

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071318\
 Data File : VX003365.D
 Acq On : 13 Jul 2018 13:45
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:24:43 AM

Quant Time: Jul 13 14:46:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 13:46:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	402356	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	391422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	245357	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	449912	103.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.30%	
35) Dibromofluoromethane	5.51	113	416968	96.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.92%	
50) Toluene-d8	8.72	98	1435359	93.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.96%	
62) 4-Bromofluorobenzene	11.14	95	594874	104.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	331086	78.58	ug/l	99
3) Chloromethane	1.32	50	393218	102.65	ug/l	98
4) Vinyl Chloride	1.40	62	490215	124.67	ug/l	100
5) Bromomethane	1.63	94	209178	134.50	ug/l	99
6) Chloroethane	1.70	64	281081	129.03	ug/l	99
7) Trichlorofluoromethane	1.92	101	704288	120.50	ug/l	99
8) Diethyl Ether	2.19	74	322811	152.79	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	457120	133.58	ug/l	98
10) Methyl Iodide	2.50	142	570899	168.30	ug/l	93
11) Tert butyl alcohol	3.10	59	563102	712.12	ug/l	99
12) 1,1-Dichloroethene	2.37	96	426393	136.90	ug/l	89
13) Acrolein	2.30	56	198003	310.74	ug/l	99
14) Allyl chloride	2.72	41	823633	142.78	ug/l	86
15) Acrylonitrile	3.16	53	1401036	793.48	ug/l	98
16) Acetone	2.45	43	1061762	685.68	ug/l	90
17) Carbon Disulfide	2.56	76	1055148	121.92	ug/l	99
18) Methyl Acetate	2.78	43	687496	157.38	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	1558737	149.84	ug/l	100
20) Methylene Chloride	2.86	84	500795	143.12	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	459683	138.46	ug/l	96
22) Diisopropyl ether	3.88	45	1562693	133.15	ug/l	94
23) Vinyl Acetate	3.83	43	6412944	643.61	ug/l	95
24) 1,1-Dichloroethane	3.69	63	882452	144.46	ug/l	100
25) 2-Butanone	4.72	43	1737515	634.12	ug/l	92
26) 2,2-Dichloropropane	4.59	77	637806	119.37	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	541734	132.77	ug/l	90
28) Bromochloromethane	5.03	49	387921	126.04	ug/l	90
29) Tetrahydrofuran	5.17	42	1117480	628.36	ug/l	92
30) Chloroform	5.22	83	867901	129.16	ug/l	97
31) Cyclohexane	5.57	56	695346	121.56	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	741269	125.05	ug/l	98
36) 1,1-Dichloropropene	5.80	75	607325	106.63	ug/l	99
37) Ethyl Acetate	4.87	43	674533	108.02	ug/l	96
38) Carbon Tetrachloride	5.78	117	637085	102.25	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	705176	105.09	ug/l	95
40) Benzene	6.15	78	1868375	110.69	ug/l	99
41) Methacrylonitrile	5.07	41	389767	114.02	ug/l	92
42) 1,2-Dichloroethane	6.20	62	643073	101.97	ug/l	97
43) Isopropyl Acetate	6.47	43	1093641	111.54	ug/l	95
44) Trichloroethene	7.21	130	529003	105.98	ug/l	97
45) 1,2-Dichloropropane	7.52	63	511893	116.65	ug/l	100
46) Dibromomethane	7.67	93	325710	108.89	ug/l	99
47) Bromodichloromethane	7.90	83	653228	118.36	ug/l	98
48) Methyl methacrylate	7.78	41	566464	112.64	ug/l	88
49) 1,4-Dioxane	7.76	88	225546	2145.00	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	3591798	588.39	ug/l	92
52) Toluene	8.79	92	1223700	114.68	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	796542	122.66	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	761029	128.76	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	519487	117.36	ug/l	99
56) Ethyl methacrylate	9.19	69	821123	135.44	ug/l #	85
57) 1,3-Dichloropropane	9.38	76	833852	116.95	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1943239	664.44	ug/l	98
59) 2-Hexanone	9.51	43	2688996	579.95	ug/l	90
60) Dibromochloromethane	9.59	129	559590	121.08	ug/l	100
61) 1,2-Dibromoethane	9.68	107	529348	114.11	ug/l	100
64) Tetrachloroethene	9.34	164	566397	95.72	ug/l	100
65) Chlorobenzene	10.14	112	1417231	106.56	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	534688	111.43	ug/l	99
67) Ethyl Benzene	10.26	91	2399242	111.55	ug/l	99
68) m/p-Xylenes	10.37	106	1904286	227.59	ug/l	96
69) o-Xylene	10.70	106	941366	116.13	ug/l	96
70) Styrene	10.71	104	1611591	122.61	ug/l	98
71) Bromoform	10.86	173	469670	118.96	ug/l	99
73) Isopropylbenzene	11.02	105	2475964	127.81	ug/l	100
74) N-amyl acetate	6.47	43	1093641	118.34	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	783215	130.35	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	659083m	124.29	ug/l	
77) Bromobenzene	11.26	156	676331	120.92	ug/l	100
78) n-propylbenzene	11.37	91	2812852	130.60	ug/l	98
79) 2-Chlorotoluene	11.43	91	1678895	127.95	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2109765	130.79	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	244905	150.95	ug/l	88
82) 4-Chlorotoluene	11.51	91	2006090	130.94	ug/l	99
83) tert-Butylbenzene	11.77	119	2081966	129.21	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	2138036	129.43	ug/l	97
85) sec-Butylbenzene	11.95	105	2480688	130.26	ug/l	100
86) p-Isopropyltoluene	12.07	119	2236595	128.90	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	1246034	121.45	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1256776	121.00	ug/l	99
89) n-Butylbenzene	12.39	91	1980721	136.63	ug/l	99
90) Hexachloroethane	12.60	117	377147	142.37	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	1267729	123.05	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	172376	133.71	ug/l	93

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ClientSampleId :
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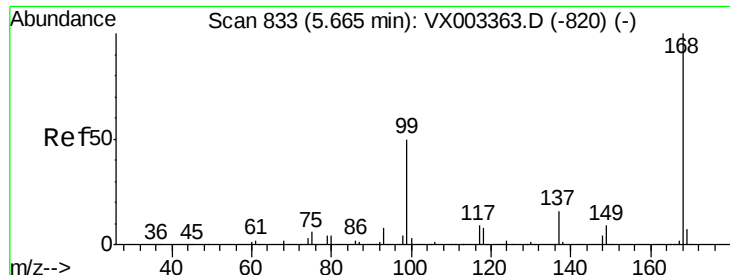
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	941870	125.62	ug/l	100
94) Hexachlorobutadiene	13.79	225	427788	114.60	ug/l	99
95) Naphthalene	13.84	128	2693345	137.30	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	948694	126.87	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 277144

Ion Ratio Lower Upper

168 100

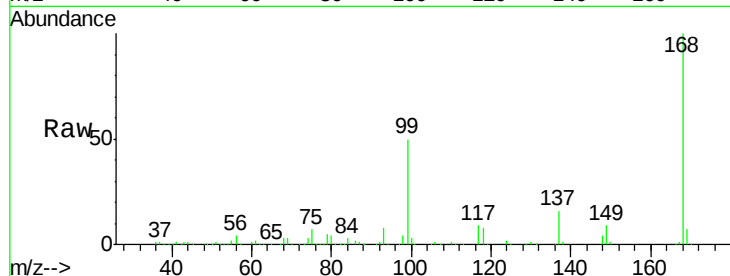
99 49.7 39.3 58.9

Manual Integrations

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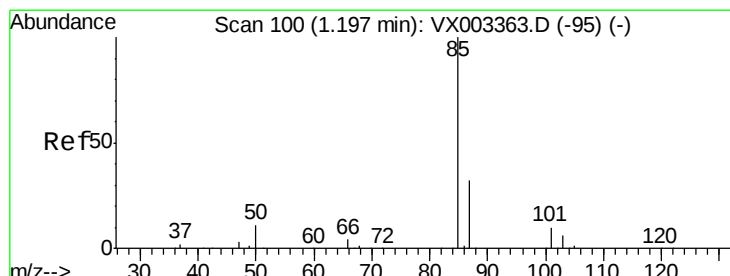
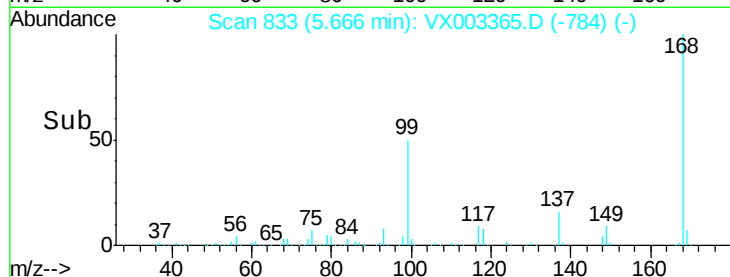
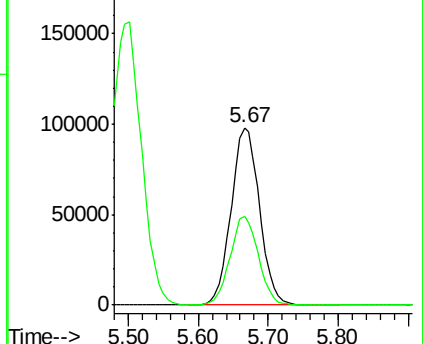
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 78.58 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003365.D

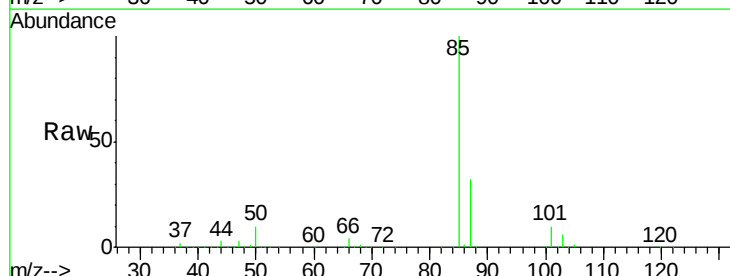
Acq: 13 Jul 2018 13:45

Tgt Ion: 85 Resp: 331086

Ion Ratio Lower Upper

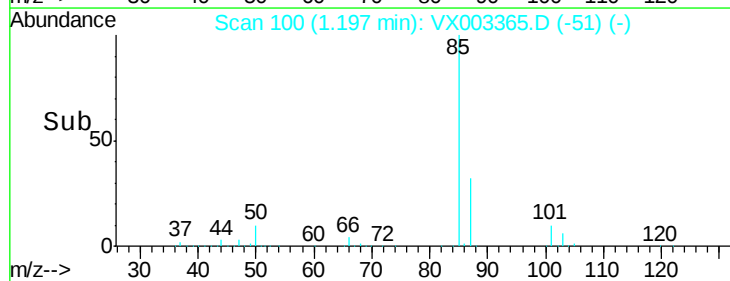
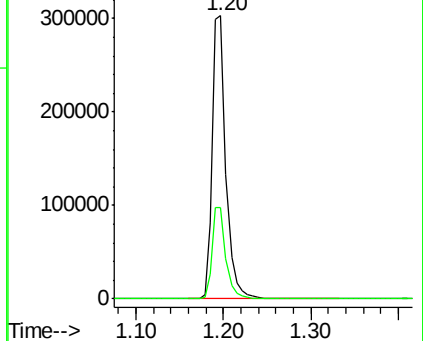
85 100

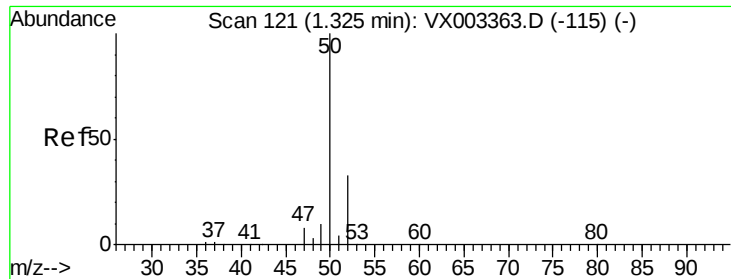
87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 102.65 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 393218

Ion Ratio Lower Upper

50 100

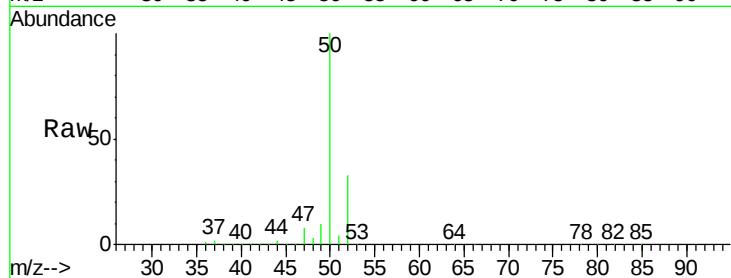
52 33.0 25.7 38.5

Manual Integrations

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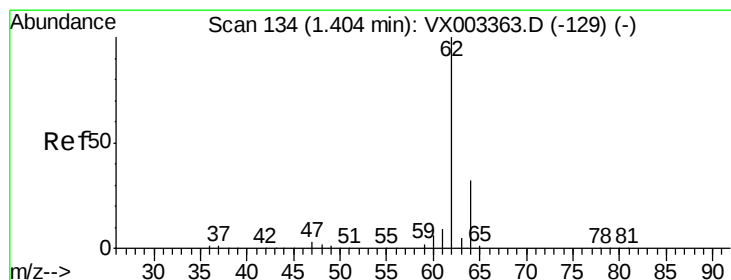
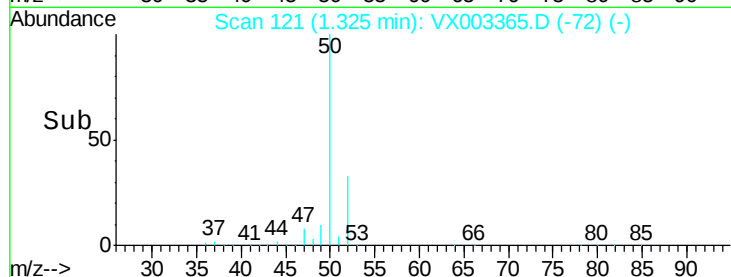
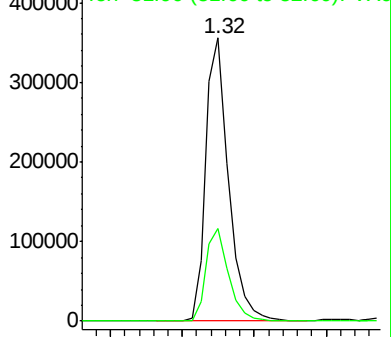
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 124.67 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003365.D

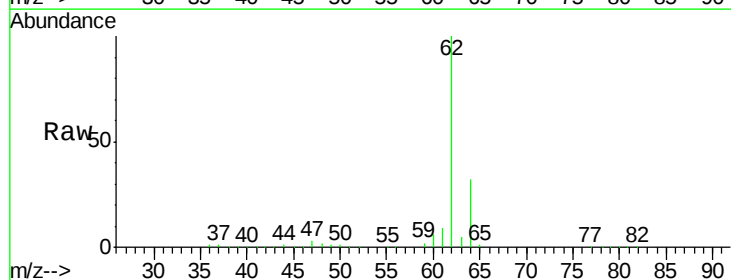
Acq: 13 Jul 2018 13:45

Tgt Ion: 62 Resp: 490215

Ion Ratio Lower Upper

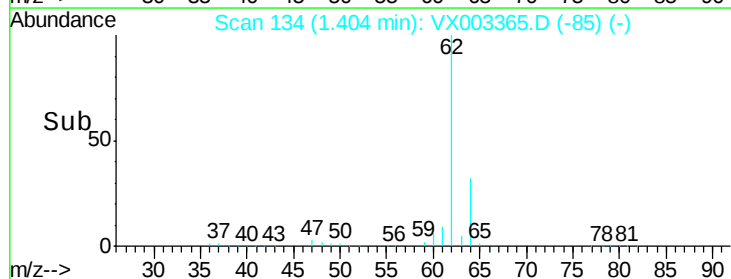
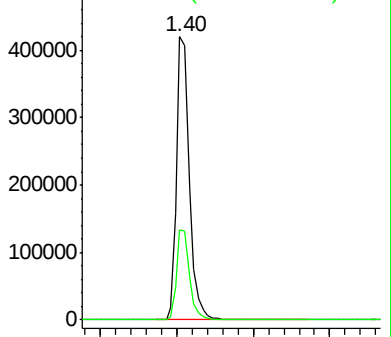
62 100

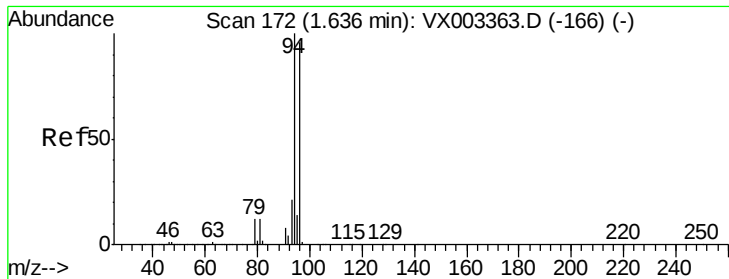
64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 134.50 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 209178

Ion Ratio Lower Upper

94 100

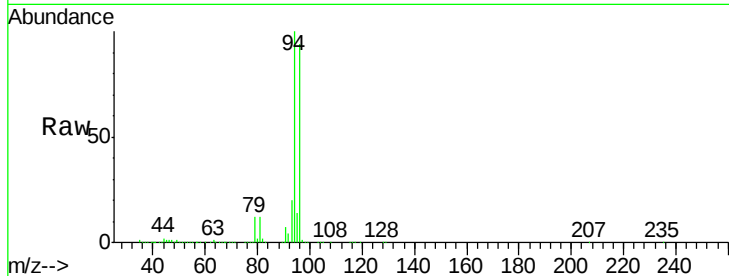
96 94.3 74.9 112.3

Manual Integrations

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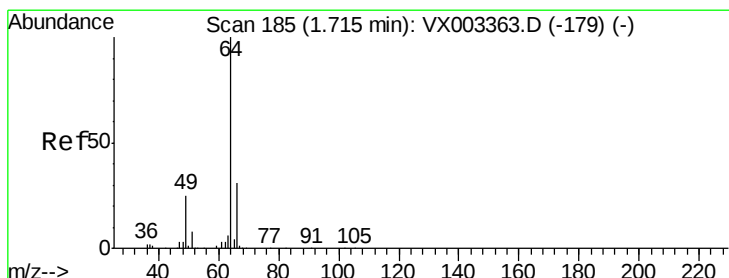
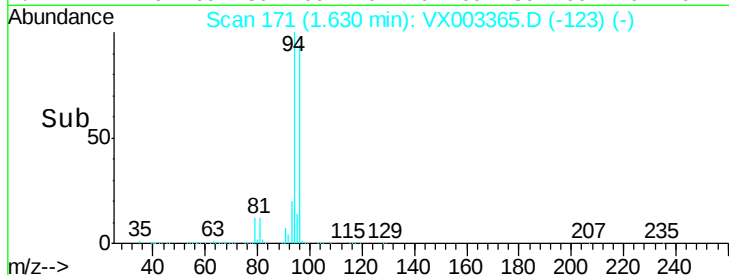
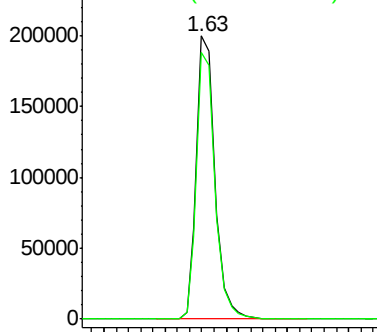
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 129.03 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX003365.D

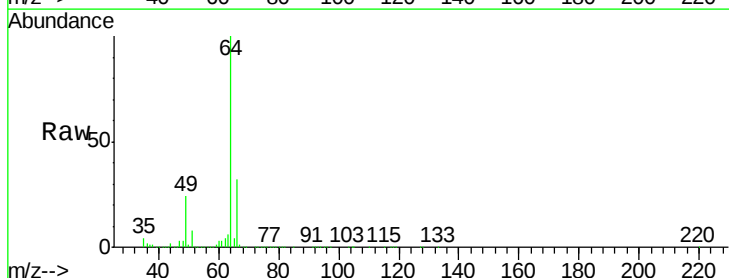
Acq: 13 Jul 2018 13:45

Tgt Ion: 64 Resp: 281081

Ion Ratio Lower Upper

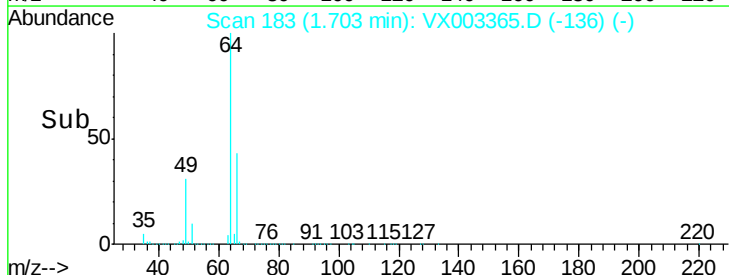
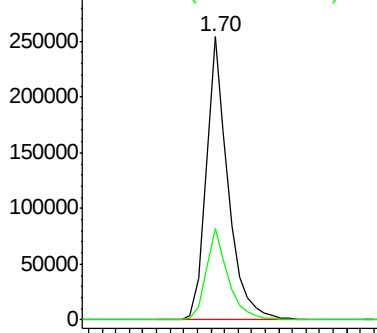
64 100

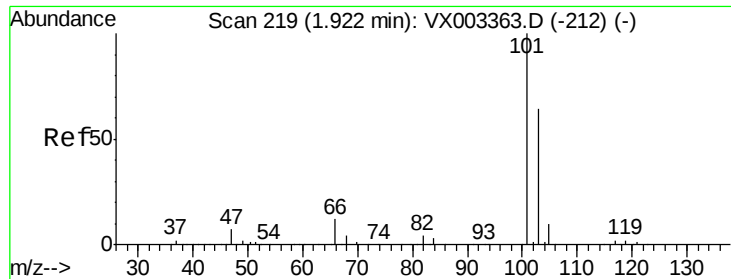
66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

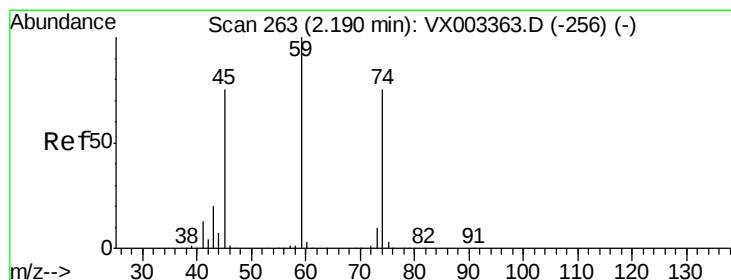
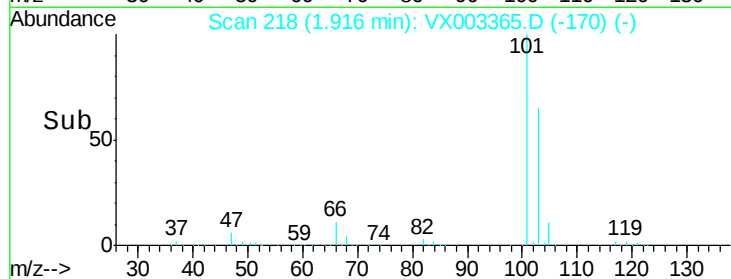
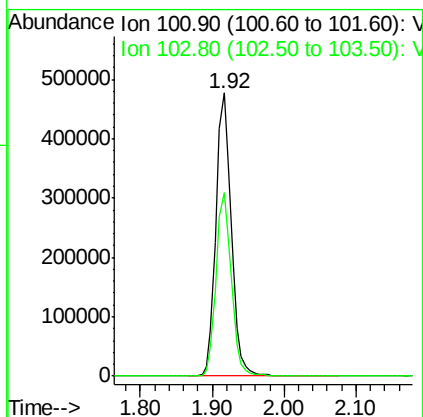
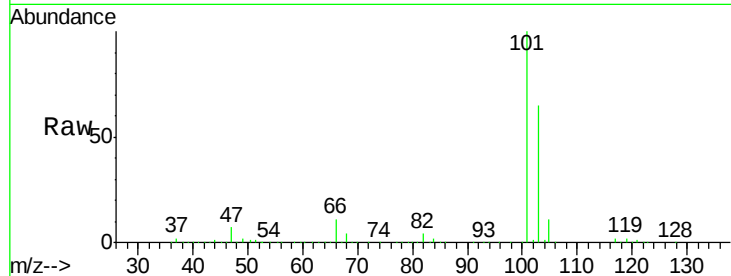
Trichlorofluoromethane
Concen: 120.50 ug/l
RT: 1.92 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.8	79.2

Manual Integrations
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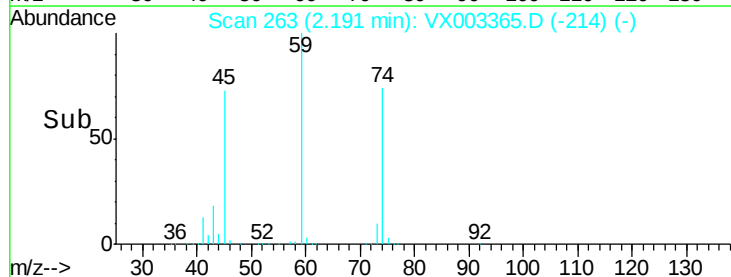
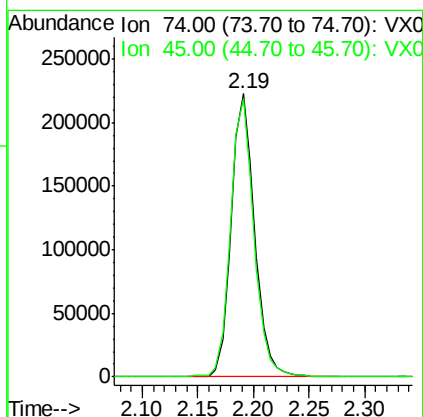
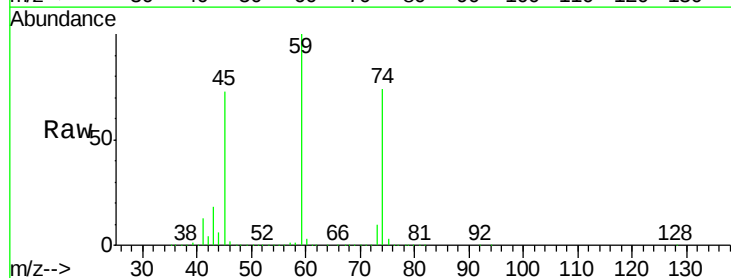
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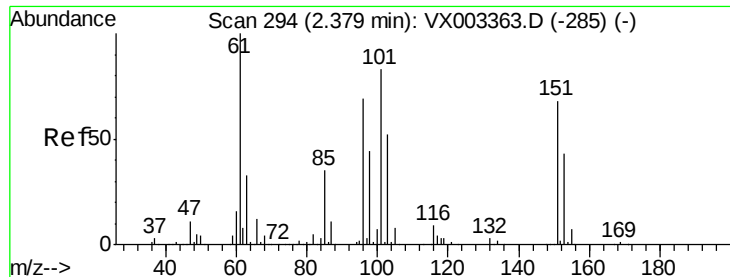


#8

Diethyl Ether
Concen: 152.79 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 133.58 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

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MSVOA_X

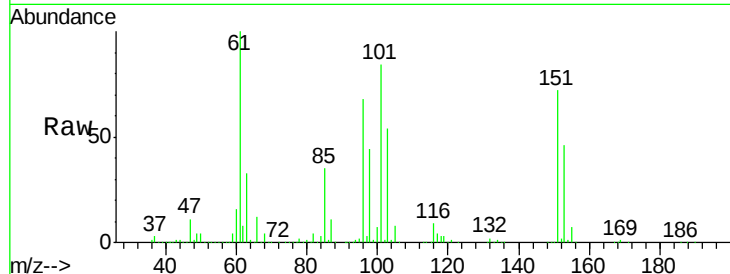
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VSTDIC150

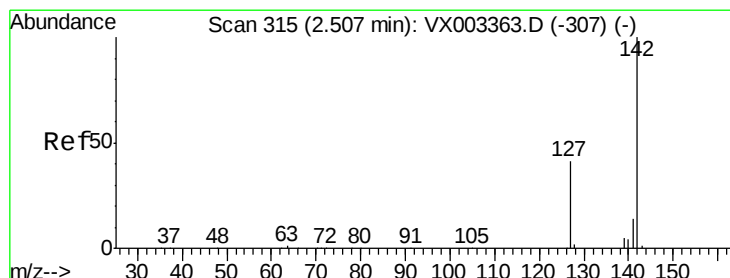
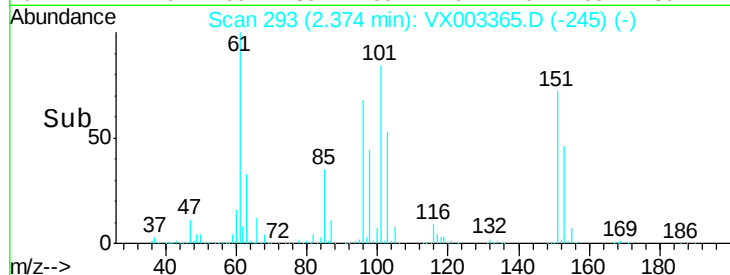
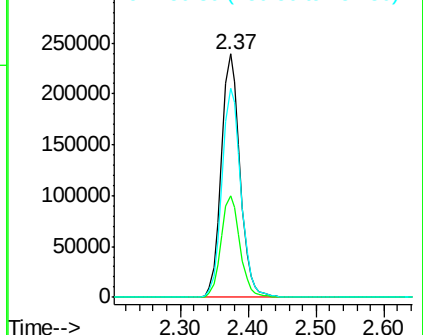
Tot Ion:	101	Resp:	457120
Ion Ratio	Lower	Upper	
101	100		
85	42.0	36.0	54.0
151	87.3	70.9	106.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 168.30 ug/l

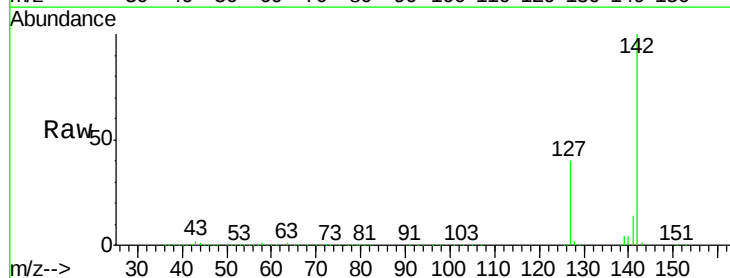
RT: 2.50 min Scan# 314

Delta R.T. -0.01 min

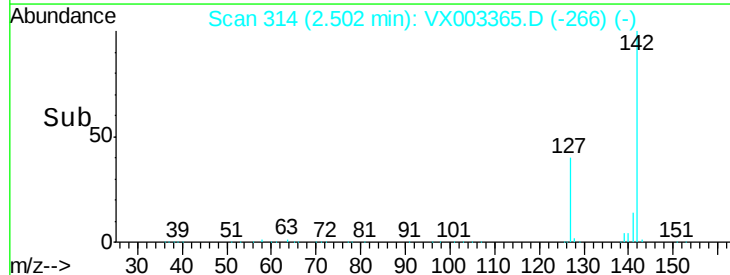
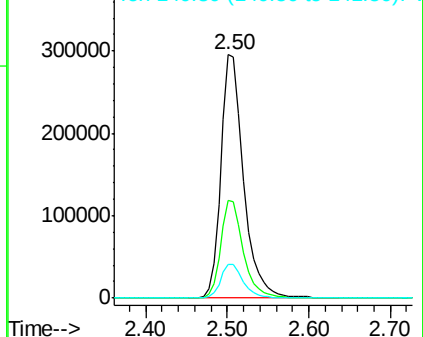
Lab File: VX003365.D

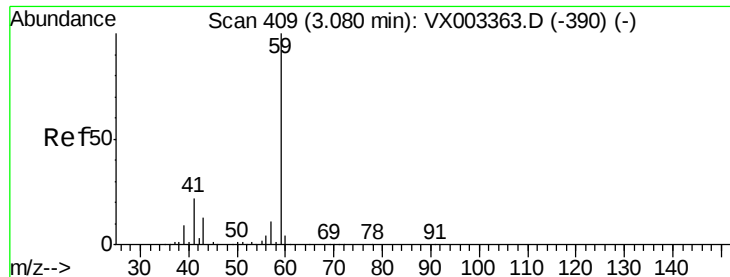
Acq: 13 Jul 2018 13:45

Tgt Ion:	142	Resp:	570899
Ion Ratio	Lower	Upper	
142	100		
127	40.1	36.6	55.0
141	14.1	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

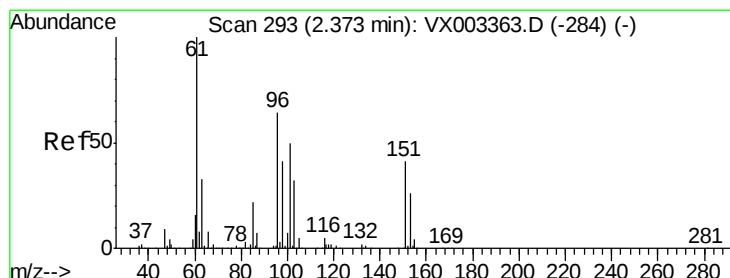
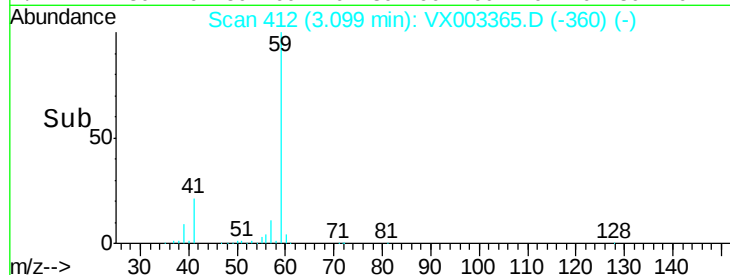
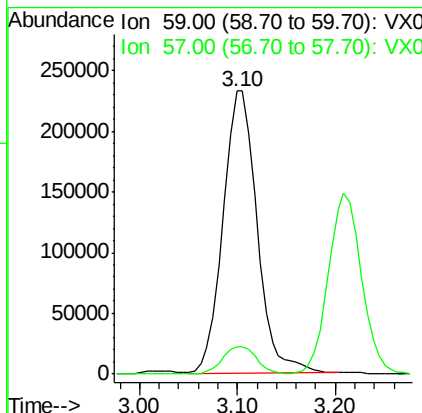
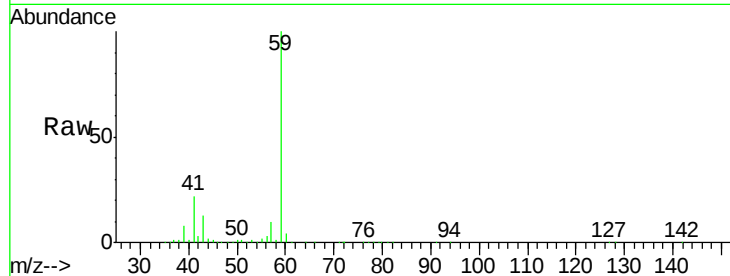
Tert butyl alcohol
Concen: 712.12 ug/l
RT: 3.10 min Scan# 412
Delta R.T. 0.02 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

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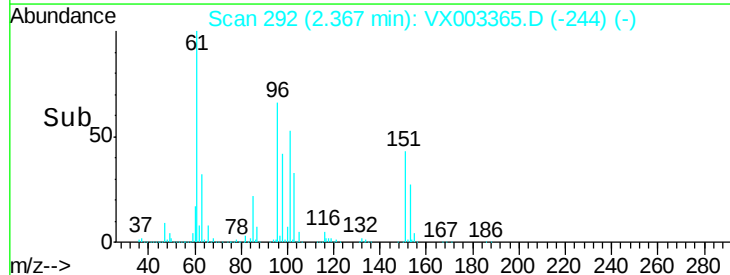
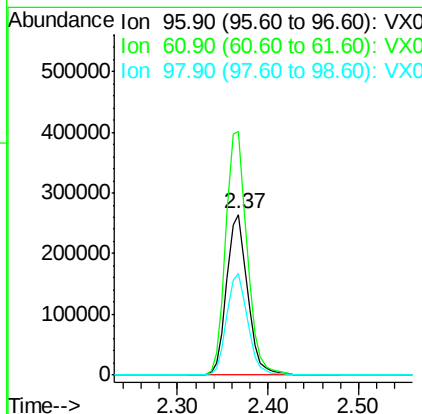
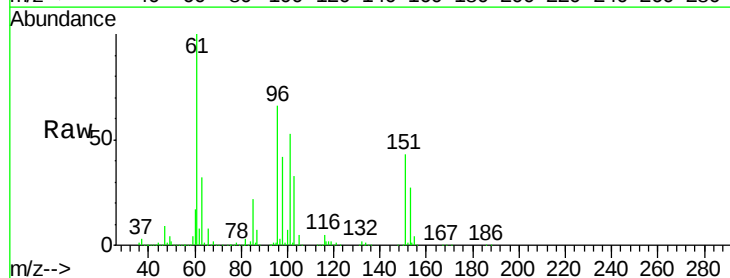
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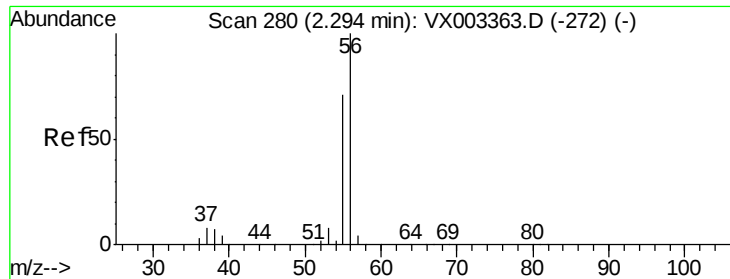


#12

1,1-Dichloroethene
Concen: 136.90 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.8	137.9	206.9
98	63.6	51.6	77.4





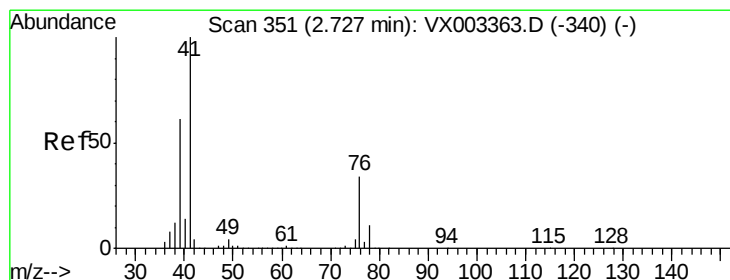
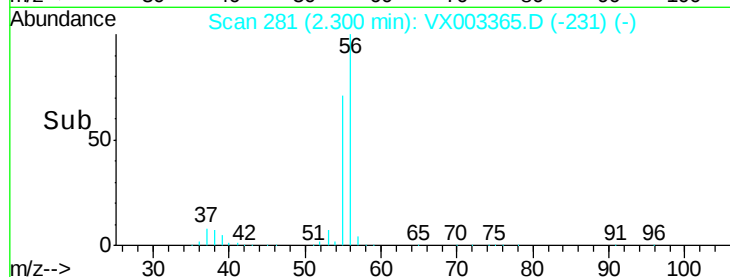
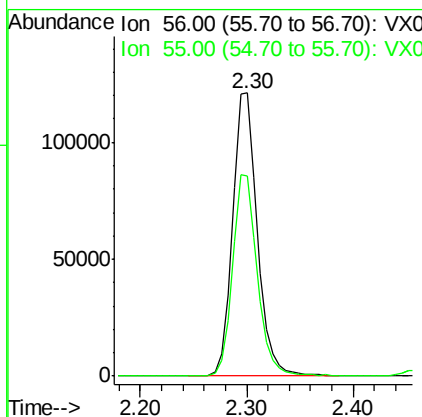
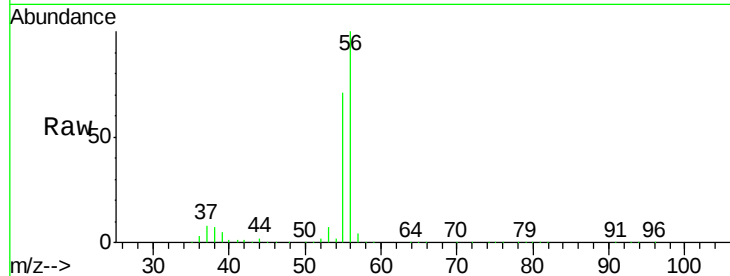
#13
Acrolein
Concen: 310.74 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	56	55	Ratio	100	Resp	198003	Lower	Upper
56	100							
55	70.8				57.0		85.4	

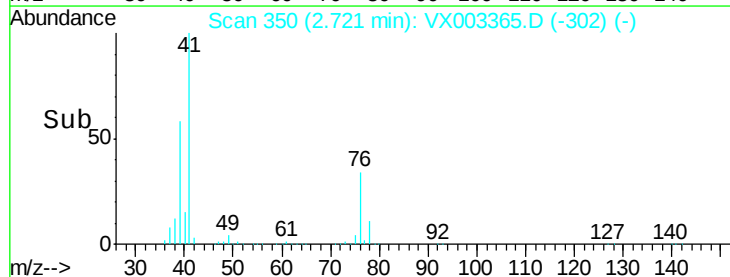
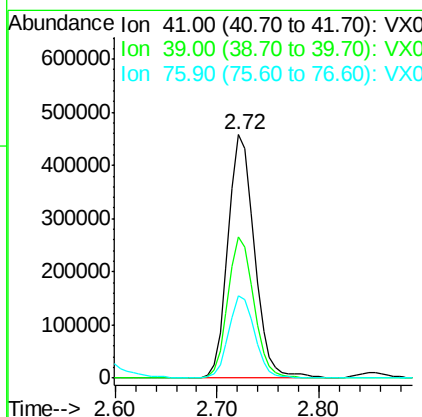
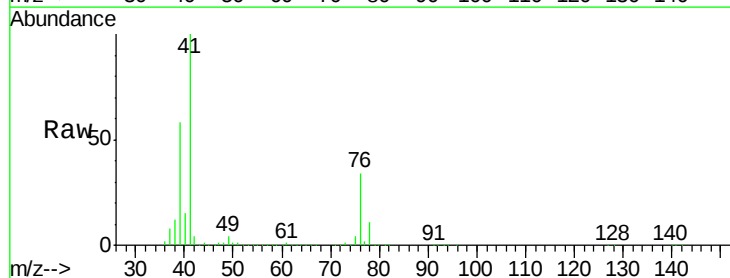
Manual Integrations
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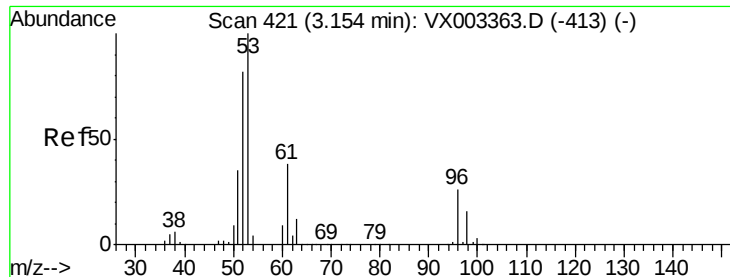
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#14
Allyl chloride
Concen: 142.78 ug/l
RT: 2.72 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion	41	39	76	Ratio	100	Resp	823633	Lower	Upper
41	100								
39	57.3					56.8		85.2	
76	33.3					23.8		35.8	





#15

Acrylonitrile

Concen: 793.48 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1401036

Ion Ratio Lower Upper

53 100

52 81.8 66.7 100.1

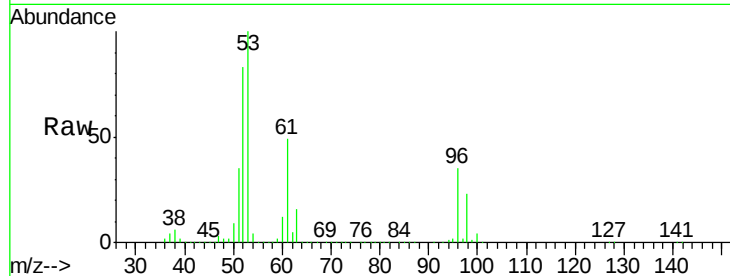
51 35.1 29.9 44.9

Manual Integrations

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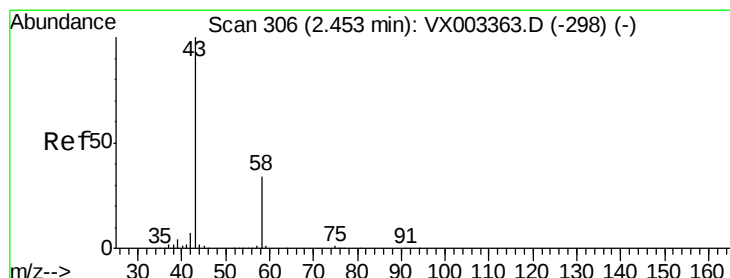
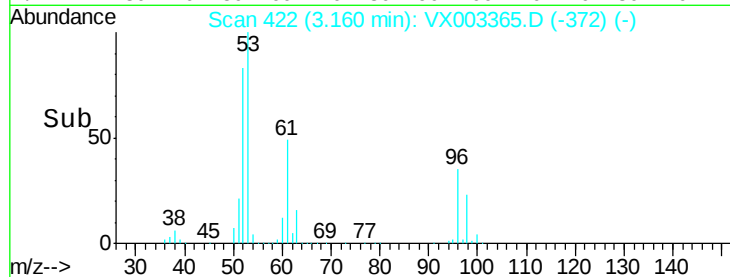
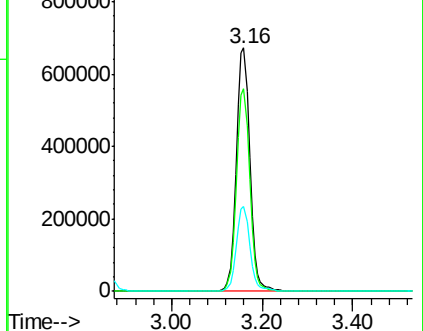
7/16/2018 11:24:43 AM



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 685.68 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX003365.D

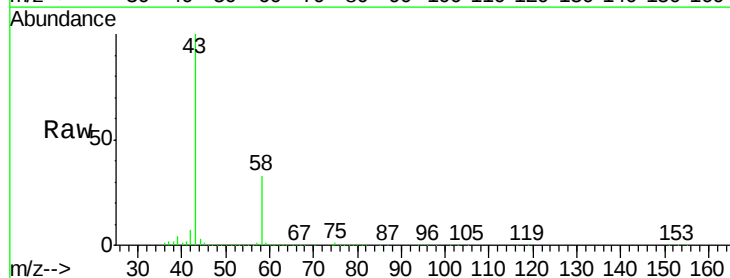
Acq: 13 Jul 2018 13:45

Tgt Ion: 43 Resp: 1061762

Ion Ratio Lower Upper

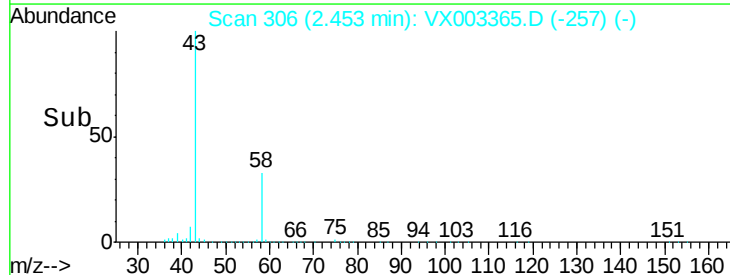
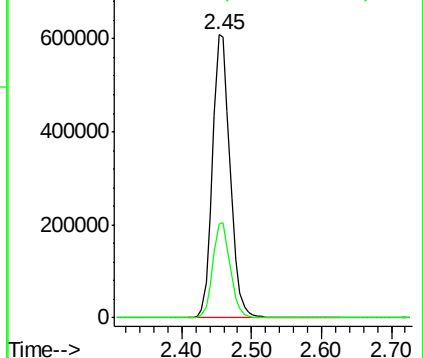
43 100

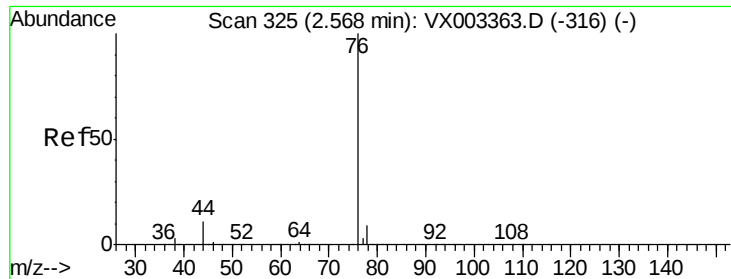
58 33.0 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





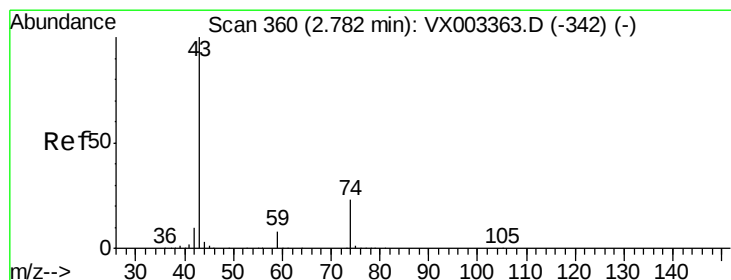
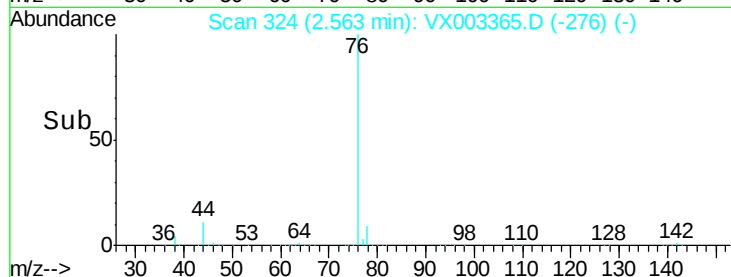
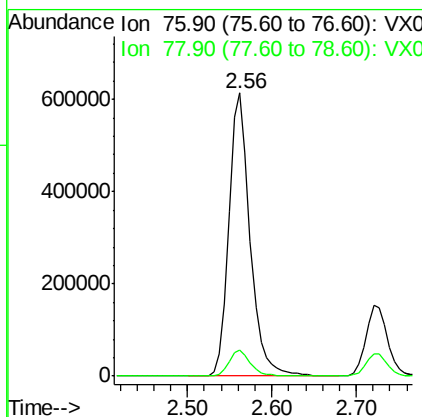
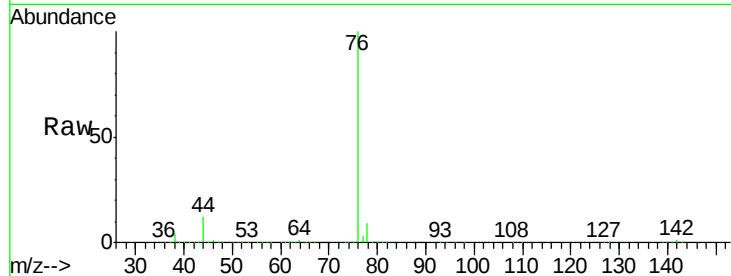
#17
Carbon Disulfide
Concen: 121.92 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1055148
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3

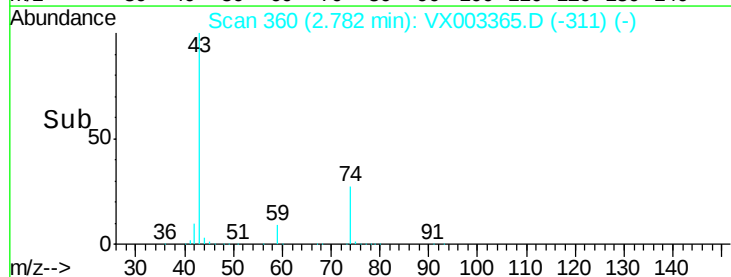
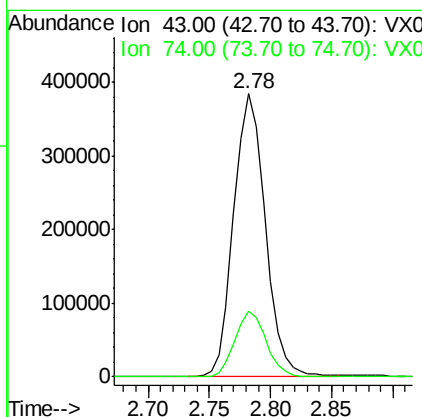
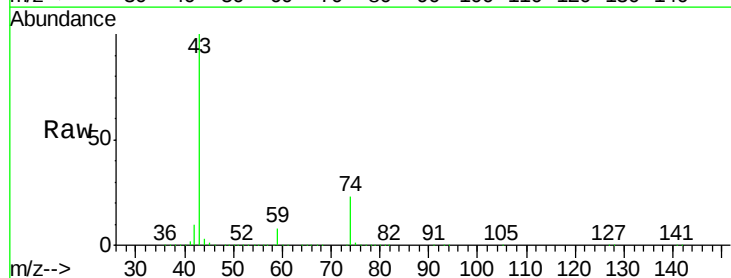
Manual Integrations
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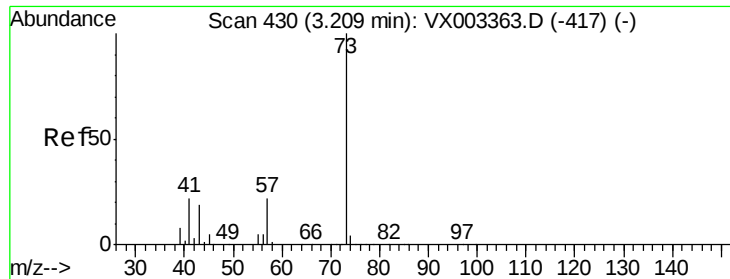
MMDadoda
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#18
Methyl Acetate
Concen: 157.38 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion: 43 Resp: 687496
Ion Ratio Lower Upper
43 100
74 23.0 16.7 25.1





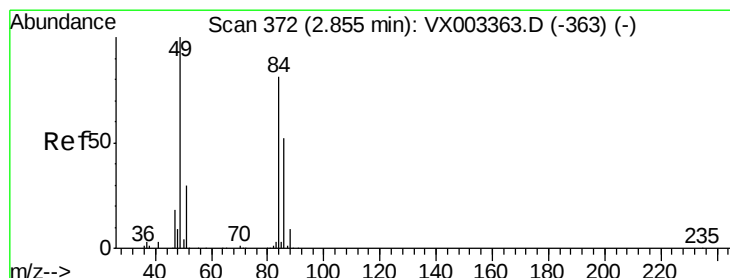
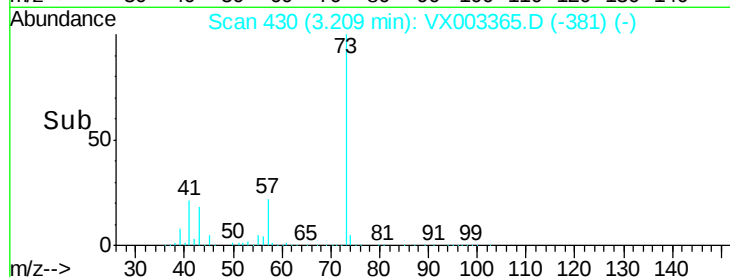
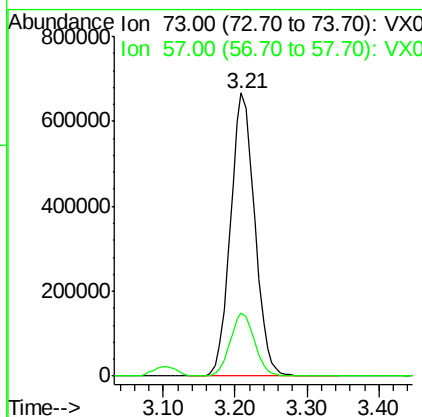
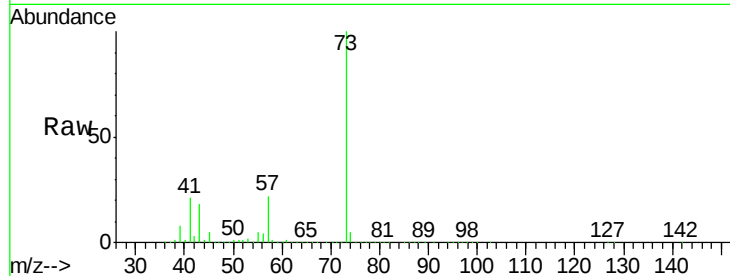
#19
Methyl tert-butyl Ether
Concen: 149.84 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1558737
Ion Ratio Lower Upper
73 100
57 22.3 17.7 26.5

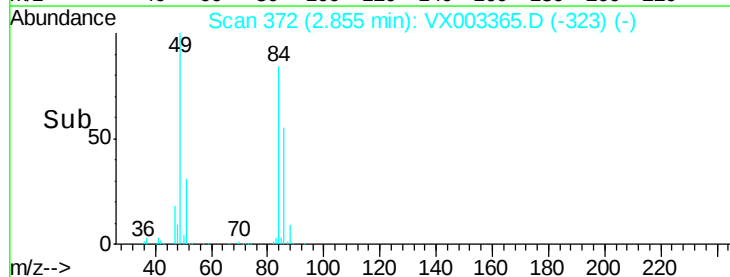
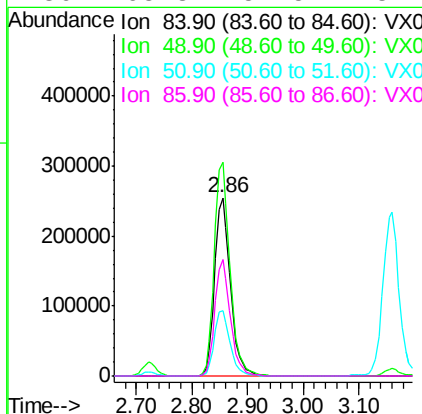
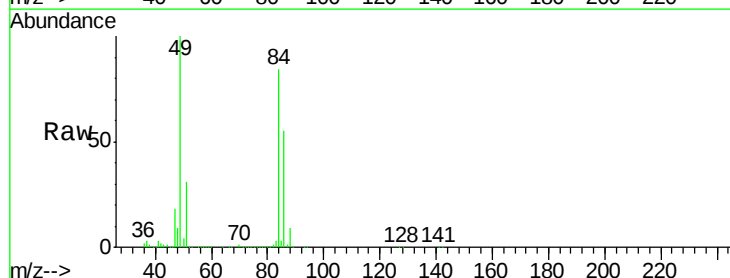
Manual Integrations
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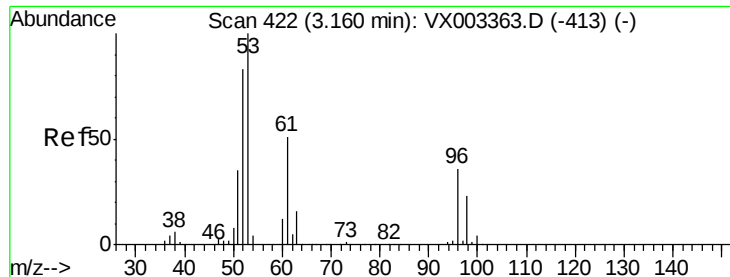
MMDadoda
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#20
Methylene Chloride
Concen: 143.12 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion: 84 Resp: 500795
Ion Ratio Lower Upper
84 100
49 119.6 107.8 161.6
51 36.9 32.8 49.2
86 65.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 138.46 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

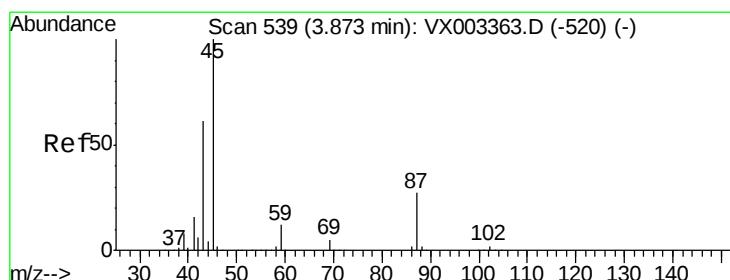
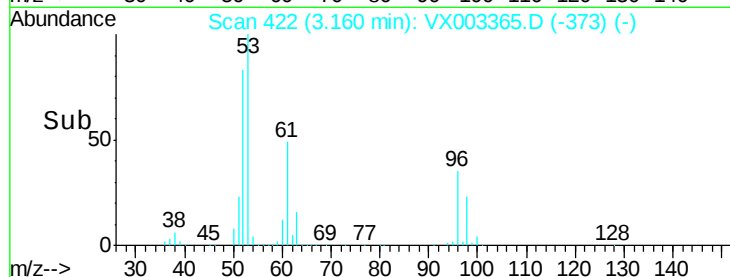
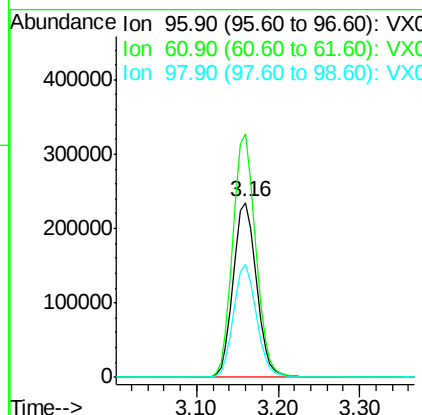
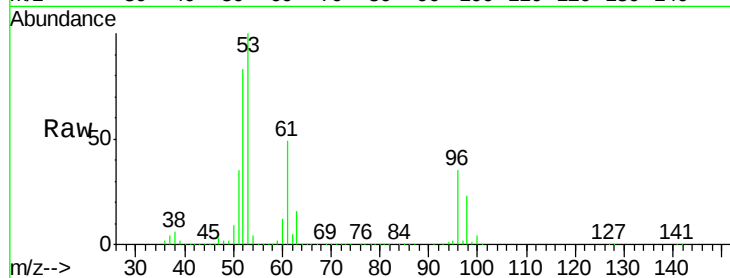
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	459683
Ion	Ratio	Lower	Upper
96	100		
61	139.4	117.0	175.4
98	64.9	52.4	78.6

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#22

Diisopropyl ether

Concen: 133.15 ug/l

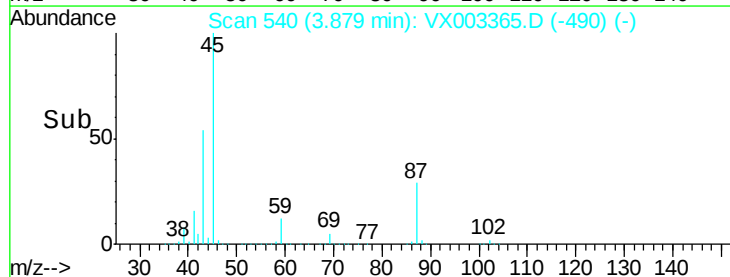
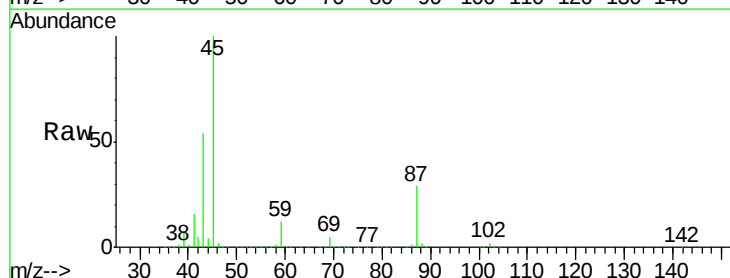
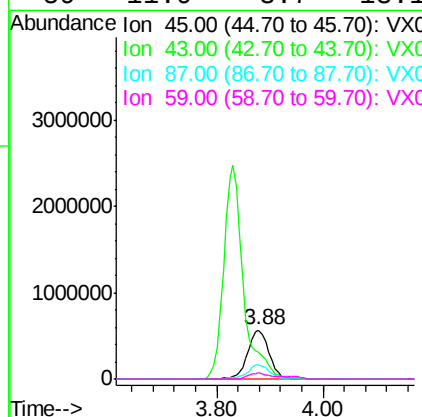
RT: 3.88 min Scan# 540

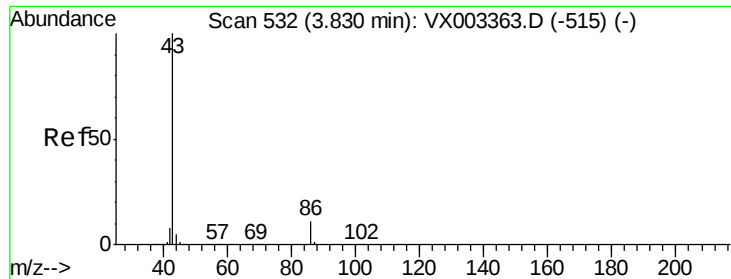
Delta R.T. 0.01 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Tgt Ion:	45	Resp:	1562693
Ion	Ratio	Lower	Upper
45	100		
43	53.5	46.8	70.2
87	28.5	20.2	30.4
59	11.9	8.7	13.1





#23

Vinyl Acetate

Concen: 643.61 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6412944

Ion Ratio Lower Upper

43 100

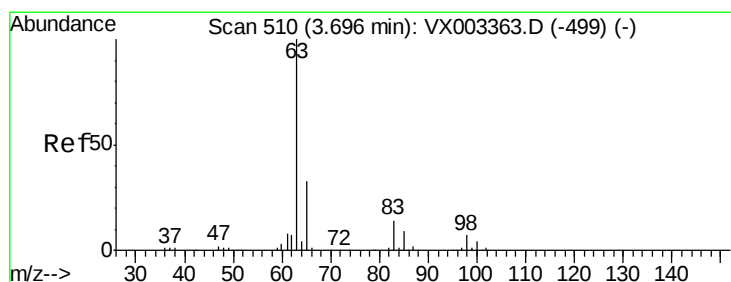
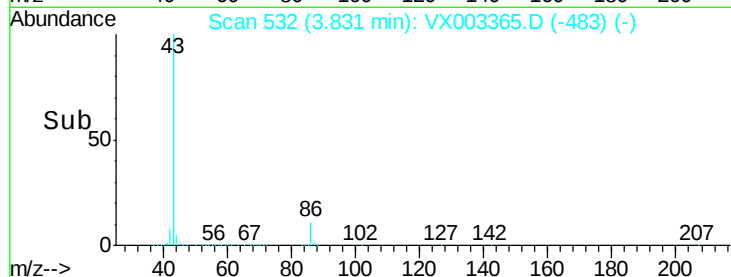
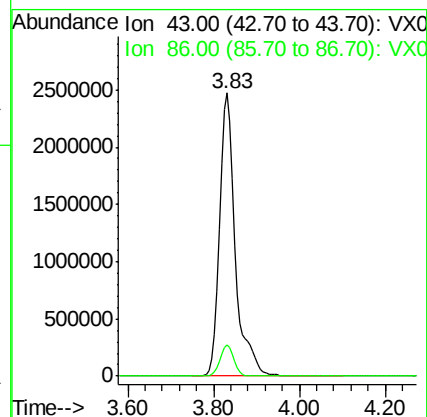
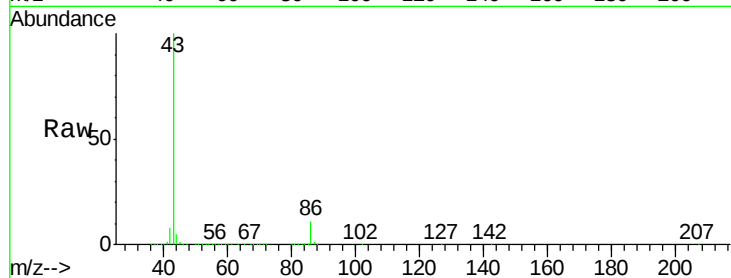
86 11.0 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 144.46 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

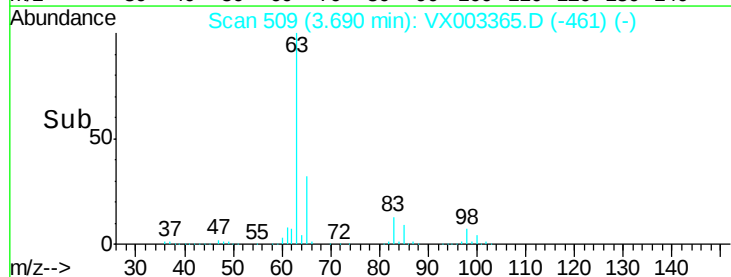
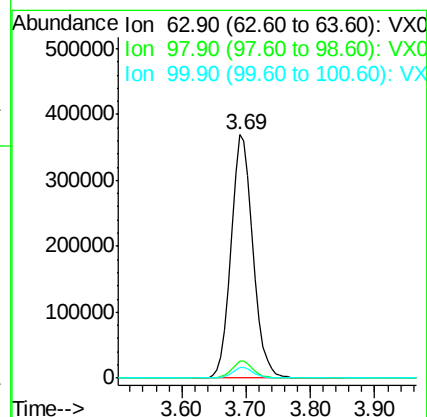
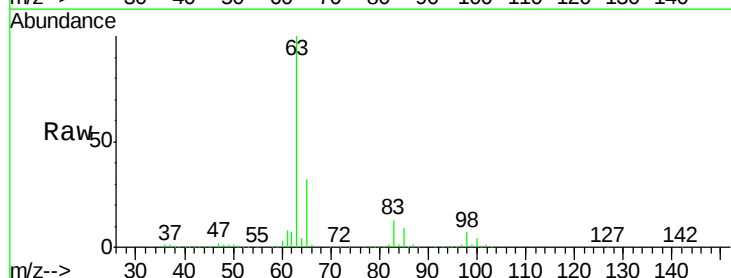
Tgt Ion: 63 Resp: 882452

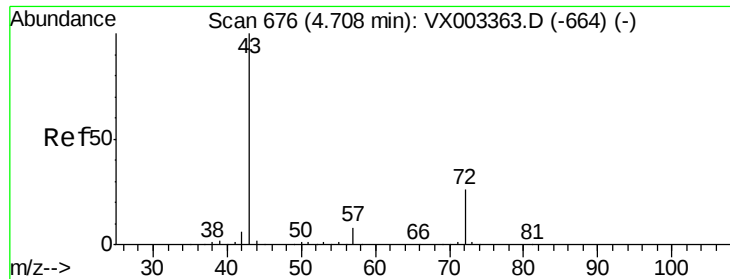
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 634.12 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1737515

Ion Ratio Lower Upper

43 100

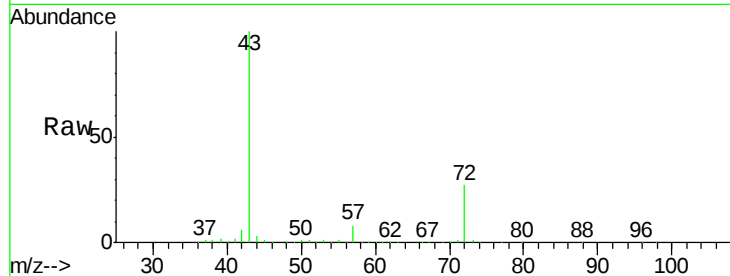
72 26.8 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

600000

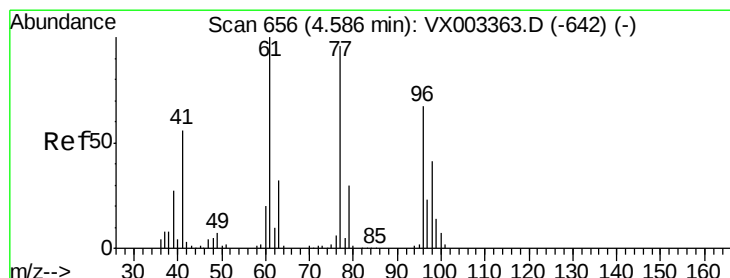
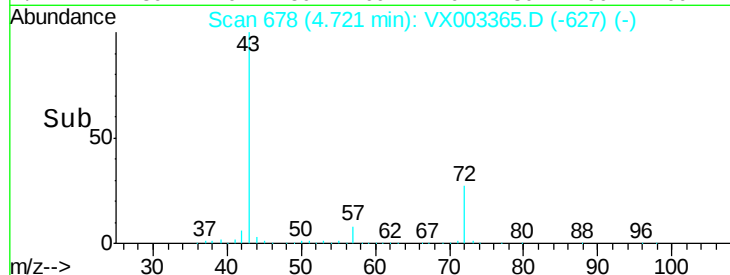
400000

200000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 119.37 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003365.D

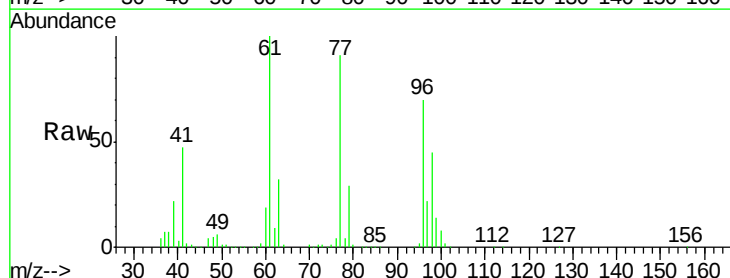
Acq: 13 Jul 2018 13:45

Tgt Ion: 77 Resp: 637806

Ion Ratio Lower Upper

77 100

97 24.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

200000

150000

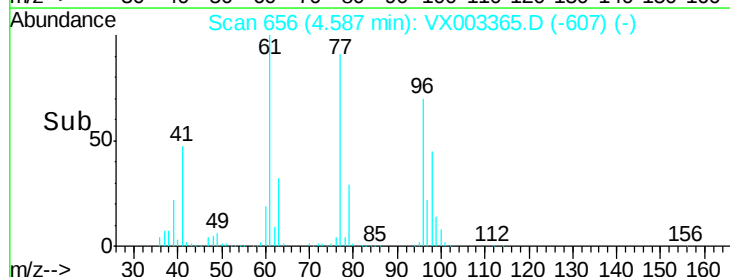
100000

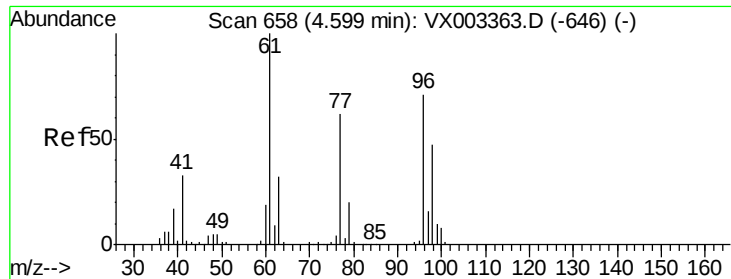
50000

0

4.40 4.50 4.60 4.70 4.80

Time-->





#27

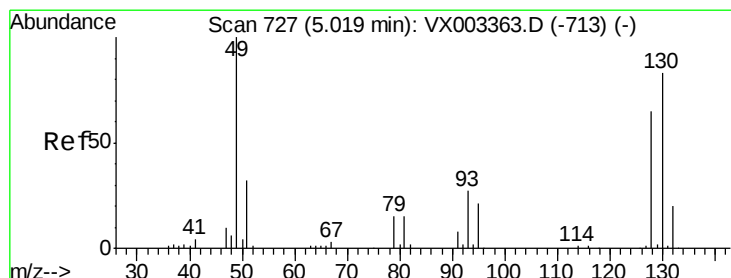
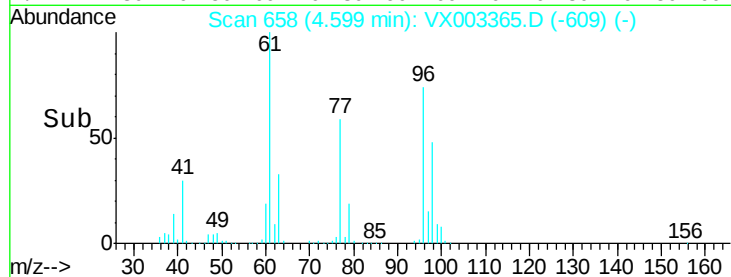
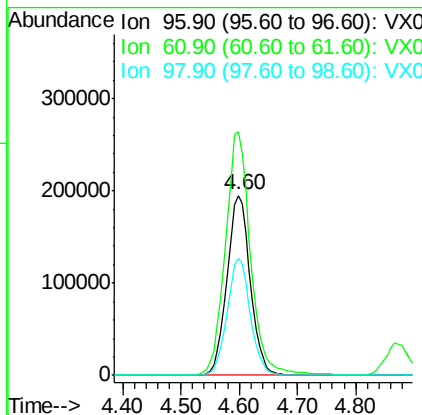
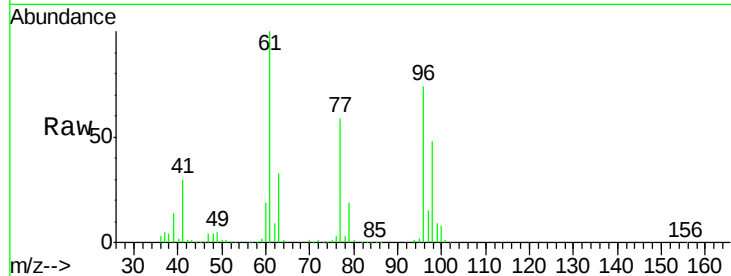
cis-1,2-Dichloroethene
Concen: 132.77 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	330.2
98	64.9	0.0	130.2

Manual Integrations
APPROVED

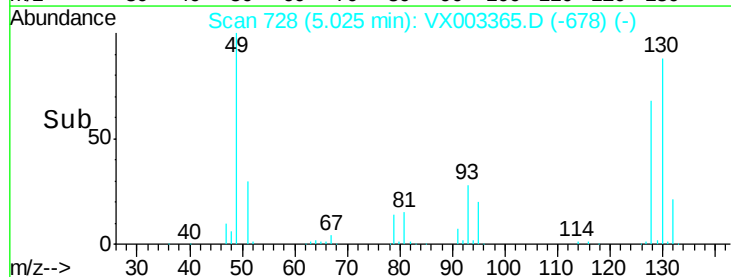
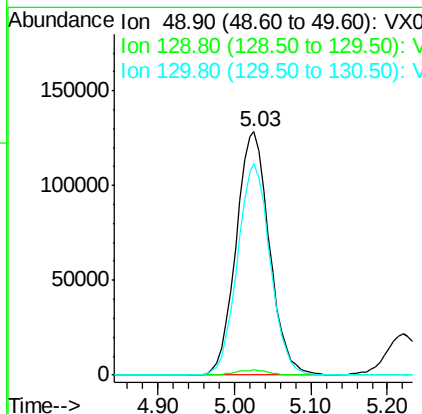
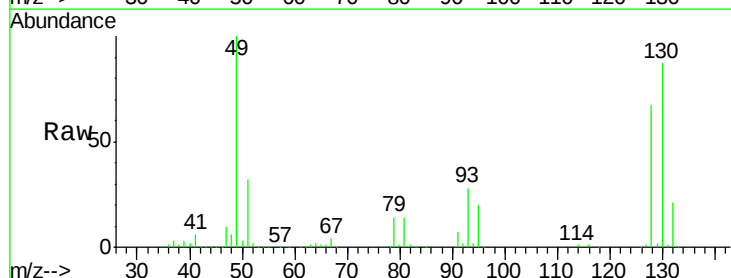
MMDadoda
7/16/2018 11:24:43 AM

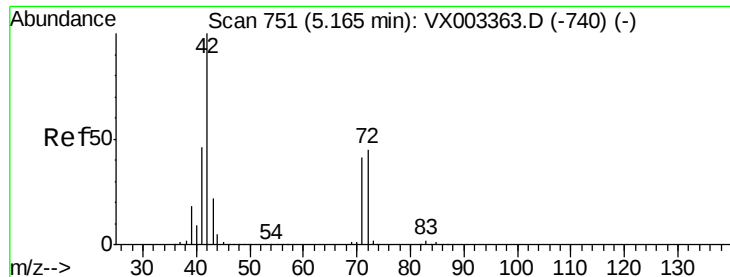


#28

Bromochloromethane
Concen: 126.04 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.01 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	85.4	61.2	91.8





#29

Tetrahydrofuran

Concen: 628.36 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 42 Resp: 1117480

Ion Ratio Lower Upper

42 100

72 45.1 32.0 48.0

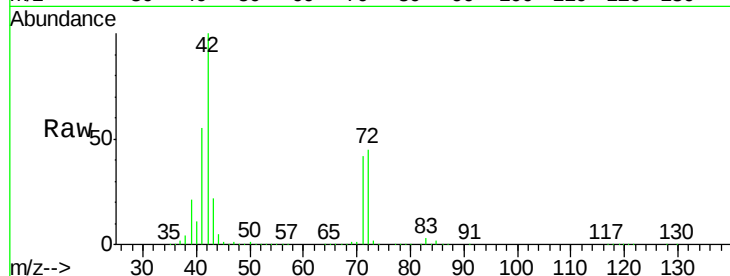
71 42.2 30.1 45.1

Manual Integrations

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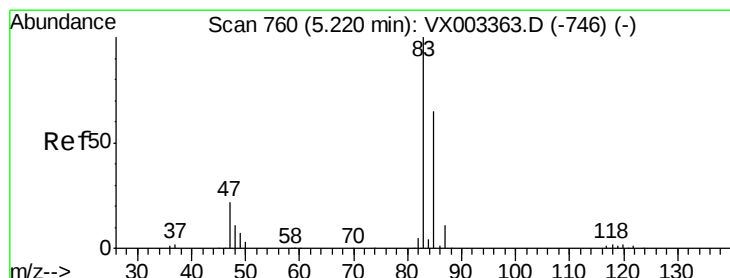
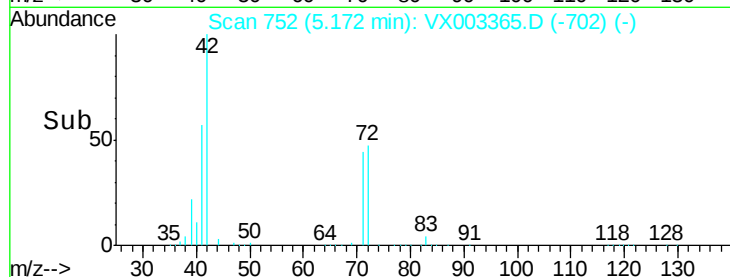
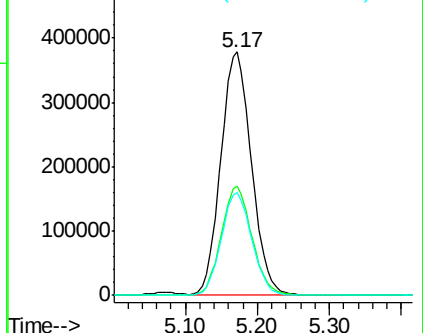
7/16/2018 11:24:43 AM



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 129.16 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX003365.D

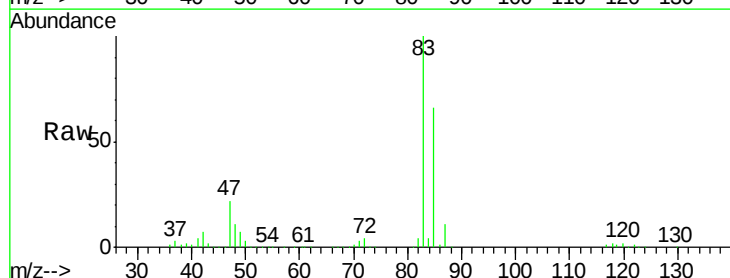
Acq: 13 Jul 2018 13:45

Tgt Ion: 83 Resp: 867901

Ion Ratio Lower Upper

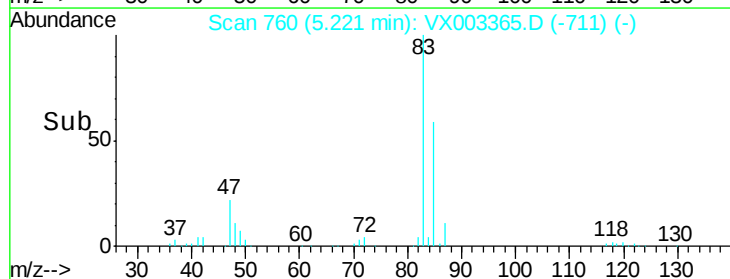
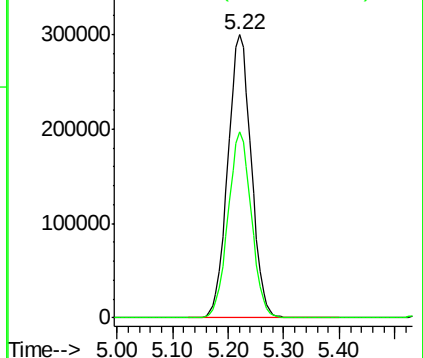
83 100

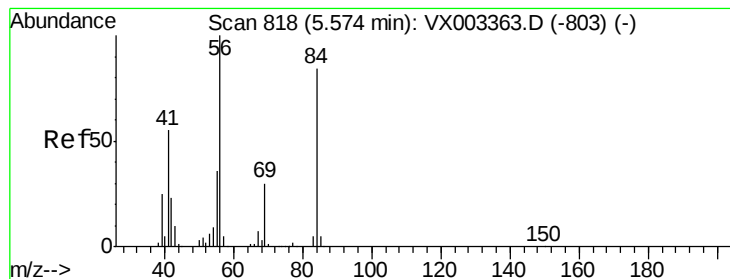
85 65.7 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 121.56 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

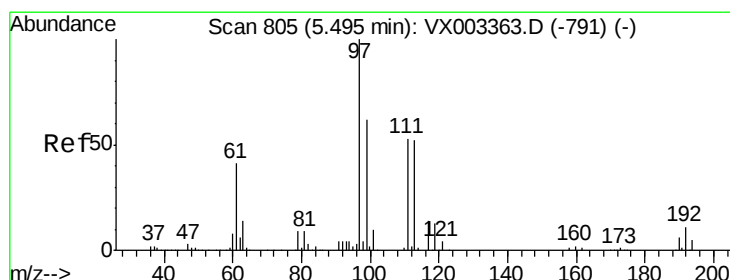
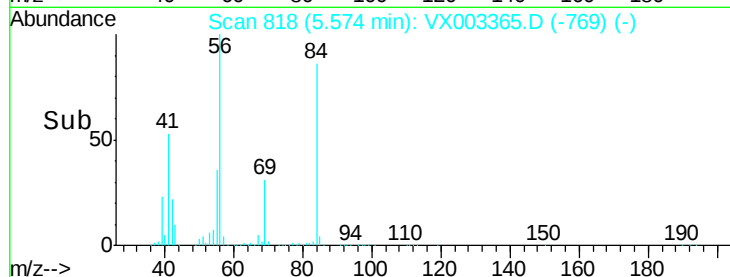
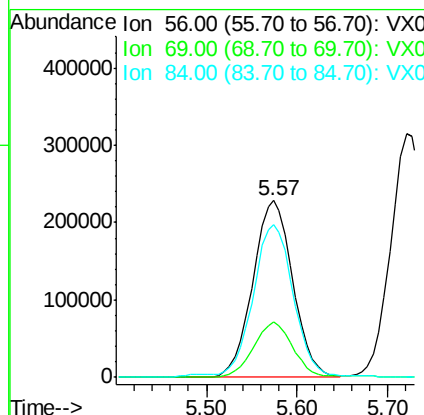
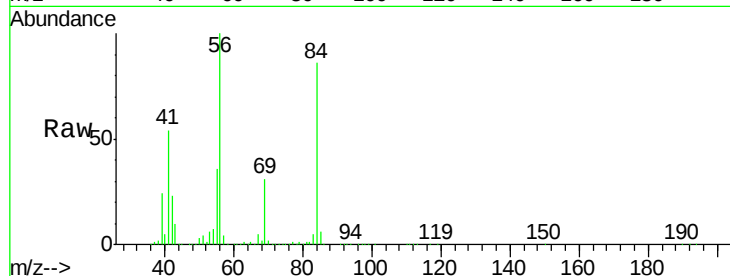
ClientSampled :

VSTDIC150

Tot Ion:	56	Resp:	695346
Ion Ratio	Lower	Upper	
56	100		
69	31.2	23.7	35.5
84	85.2	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 125.05 ug/l

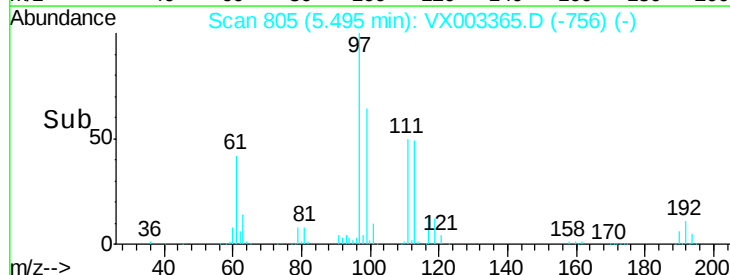
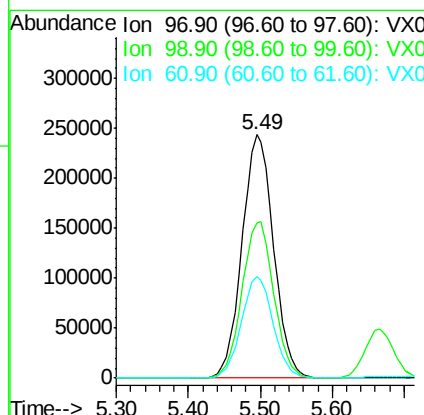
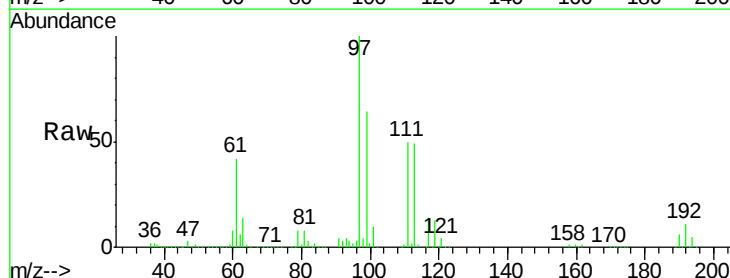
RT: 5.49 min Scan# 805

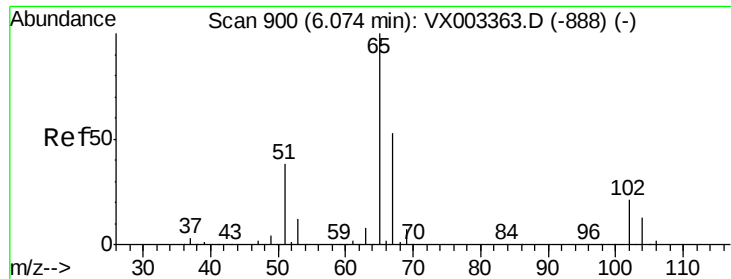
Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Tgt Ion:	97	Resp:	741269
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.6	77.4
61	42.0	36.4	54.6





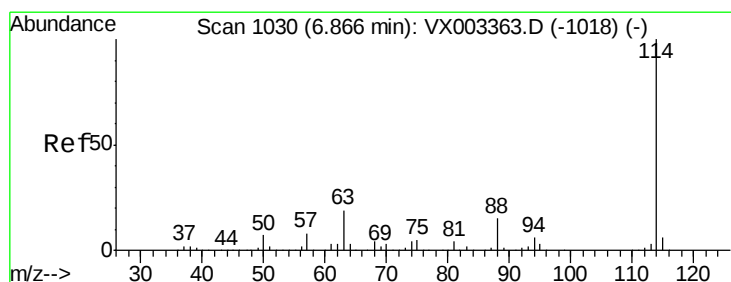
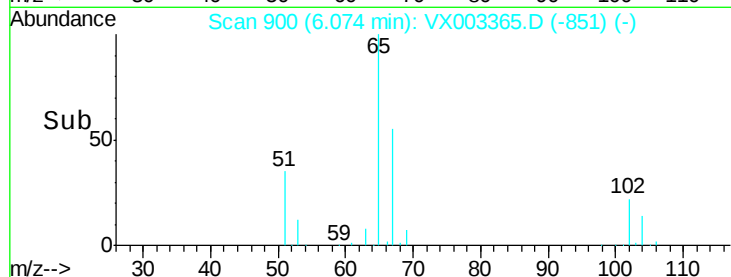
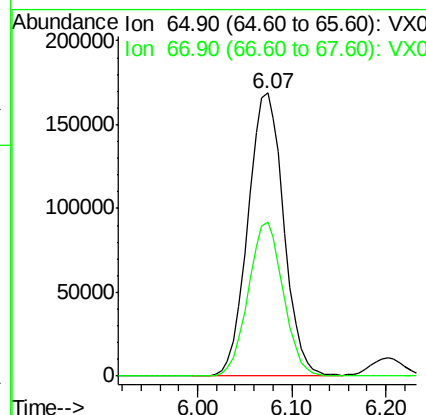
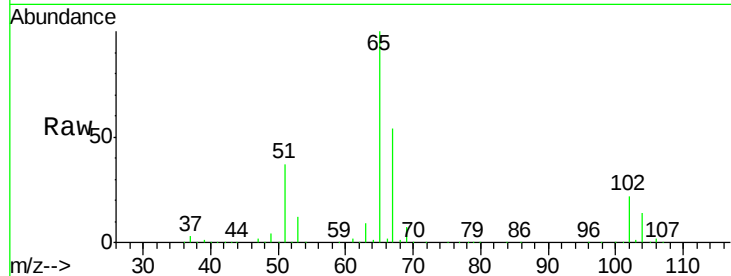
#33
 1,2-Dichloroethane-d4
 Concen: 103.15 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003365.D
 Acq: 13 Jul 2018 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	449912		
67	53.2	0.0	102.6	

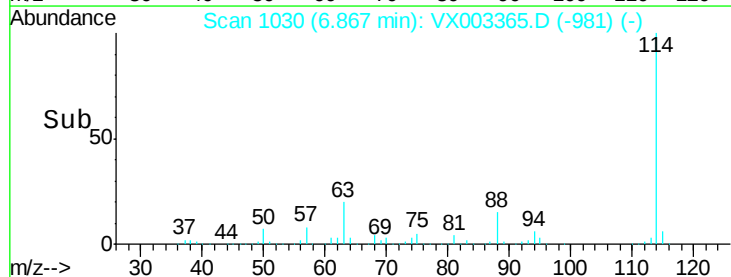
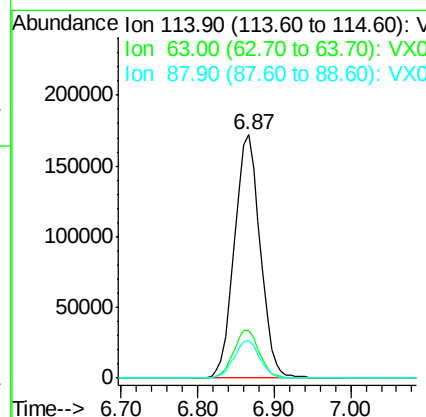
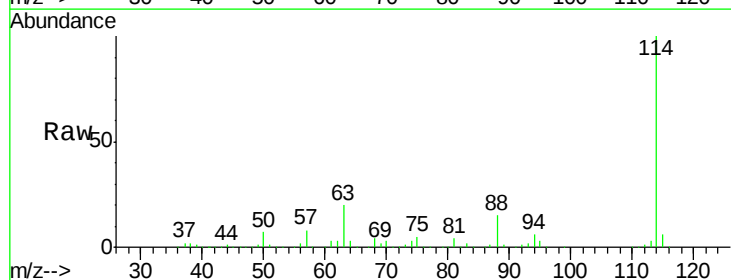
Manual Integrations
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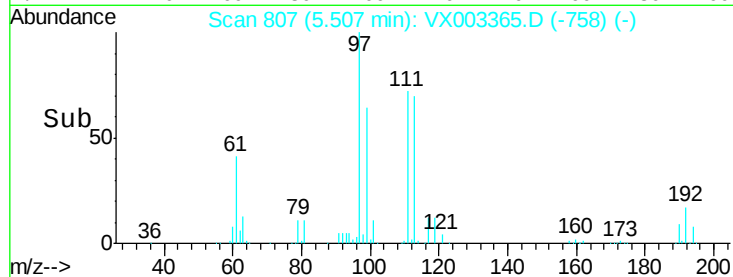
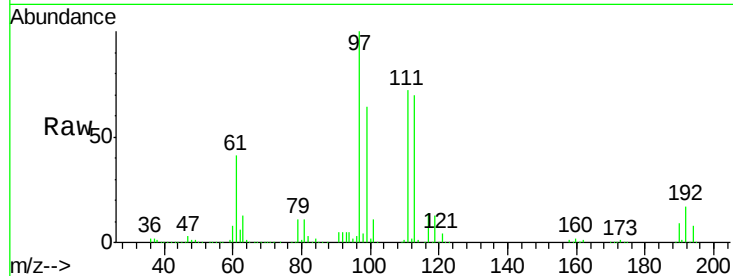
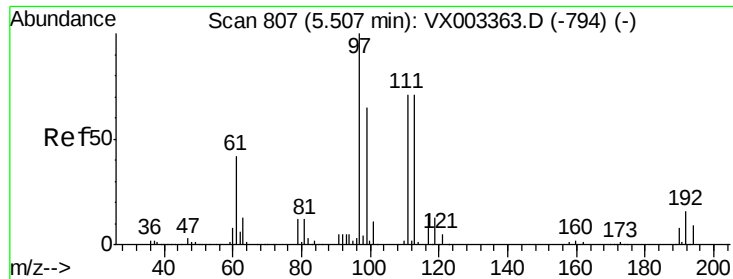
MMDadoda
 7/16/2018 11:24:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003365.D
 Acq: 13 Jul 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	402356		
63	19.5	0.0	41.4	
88	15.4	0.0	30.0	





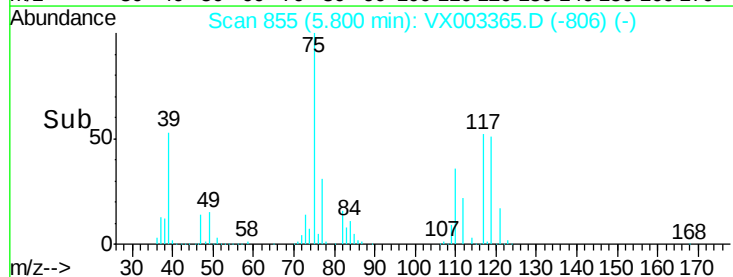
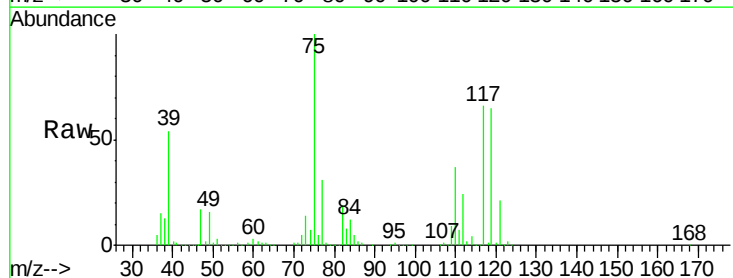
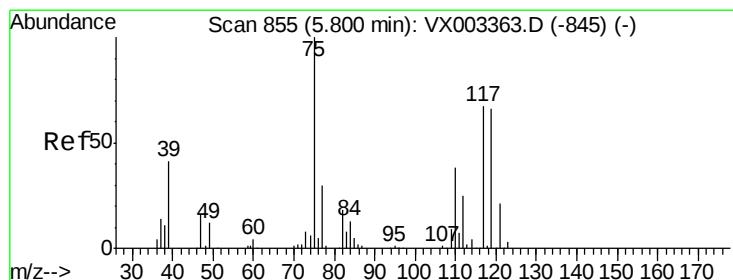
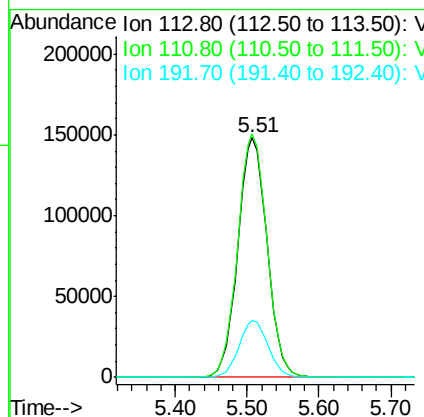
#35
Dibromofluoromethane
Concen: 96.46 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tot Ion	Ratio	Resp	Lower	Upper
113	100	416968		
111	102.1	81.4	122.0	
192	23.7	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

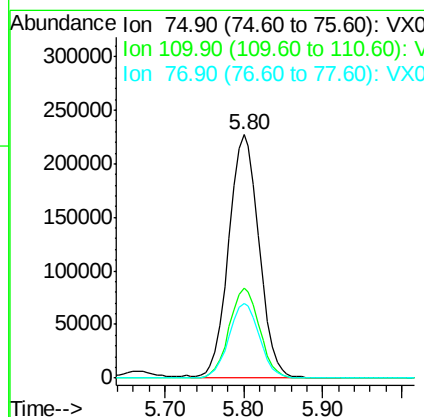
Manual Integrations
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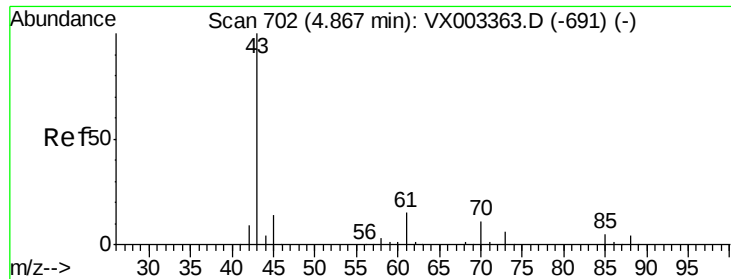
MMDadoda
7/16/2018 11:24:43 AM



#36
1,1-Dichloropropene
Concen: 106.63 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	607325		
110	37.1	18.1	54.4	
77	31.1	24.3	36.5	





#37

Ethyl Acetate

Concen: 108.02 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.01 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

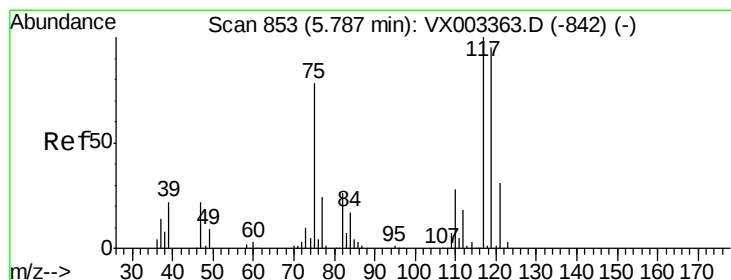
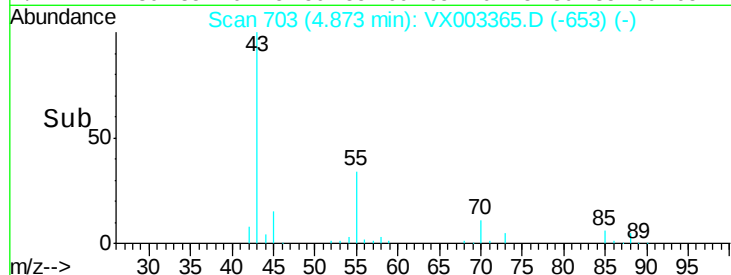
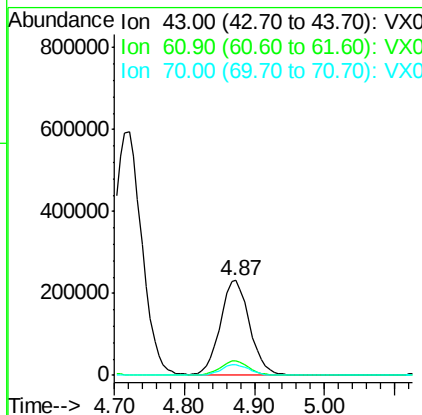
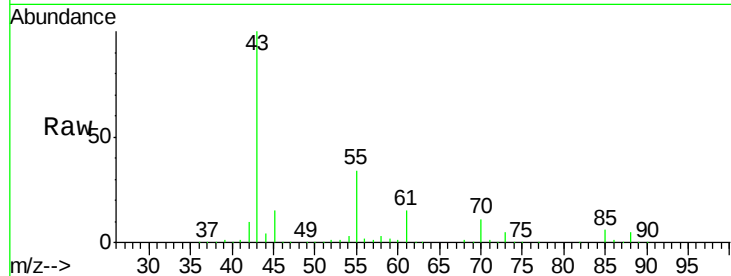
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	674533
Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.4	15.6
70	11.0	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 102.25 ug/l

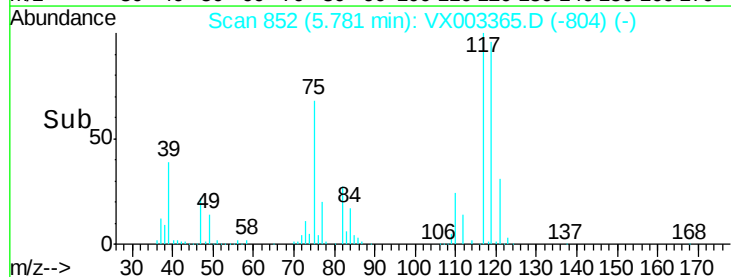
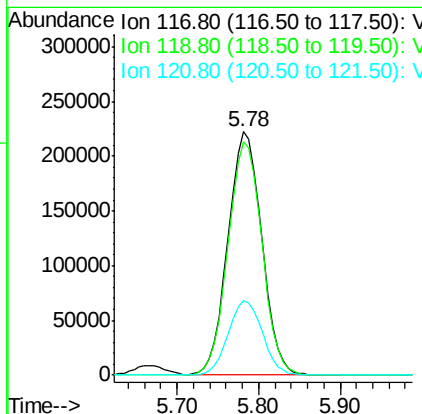
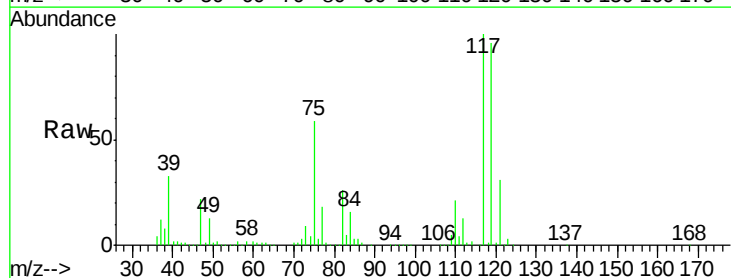
RT: 5.78 min Scan# 852

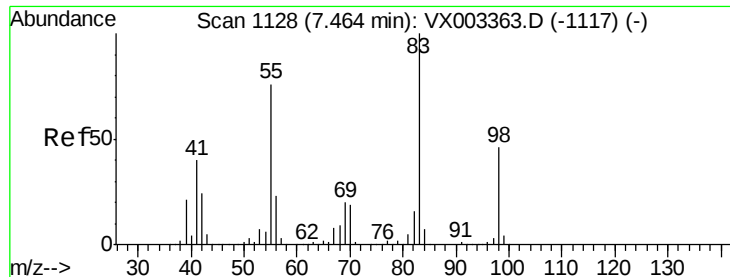
Delta R.T. -0.01 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Tgt Ion:	117	Resp:	637085
Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.4	116.0
121	30.6	24.4	36.6





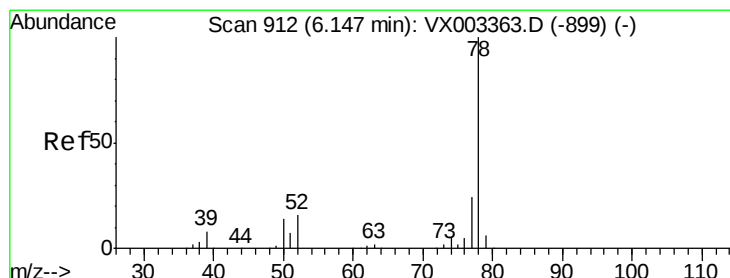
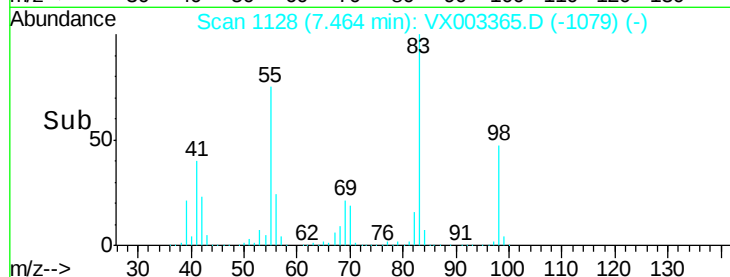
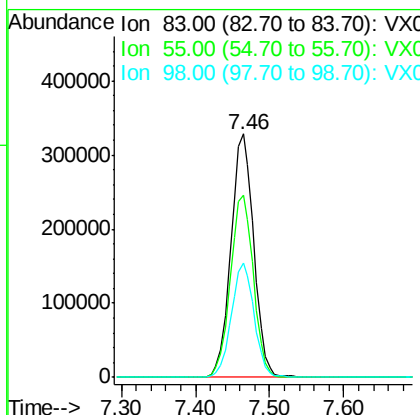
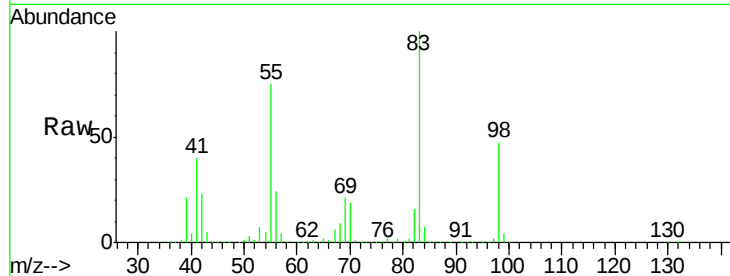
#39
Methvlcvclohexane
Concen: 105.09 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	705176		
55	74.8		65.4	98.0
98	46.8		37.4	56.0

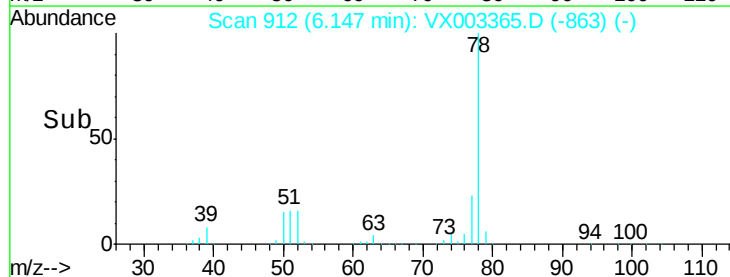
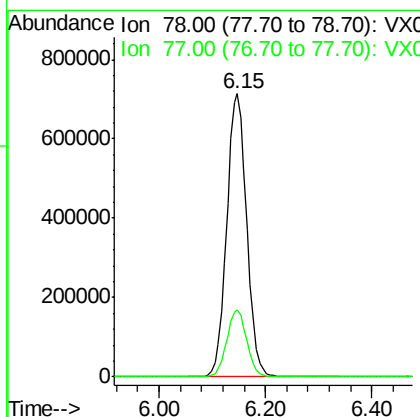
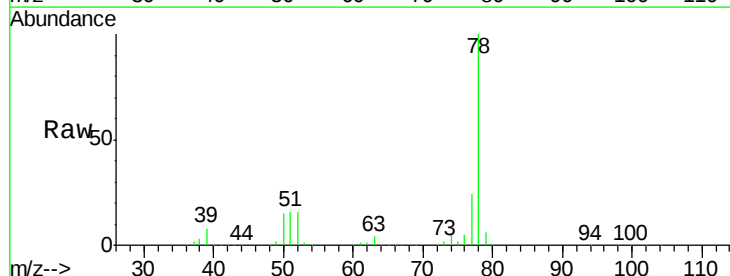
Manual Integrations
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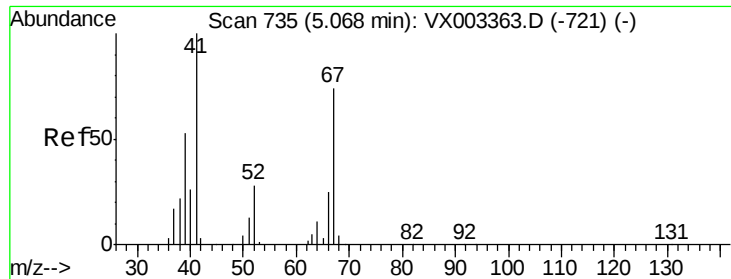
MMDadoda
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#40
Benzene
Concen: 110.69 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1868375		
77	23.6		19.1	28.7





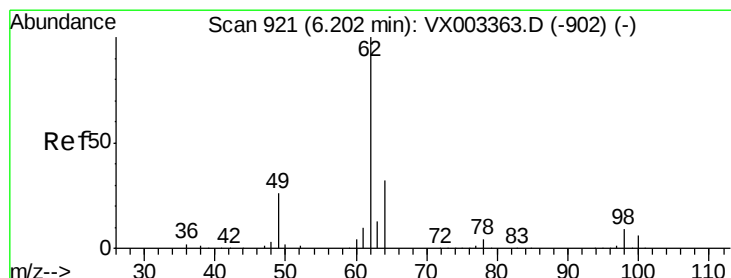
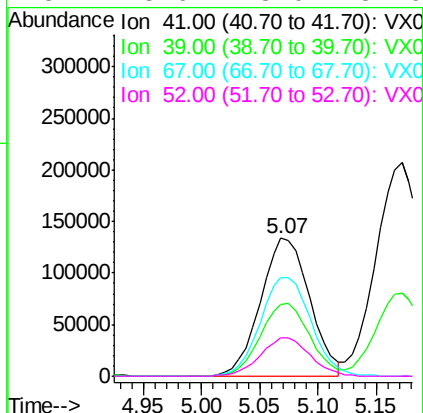
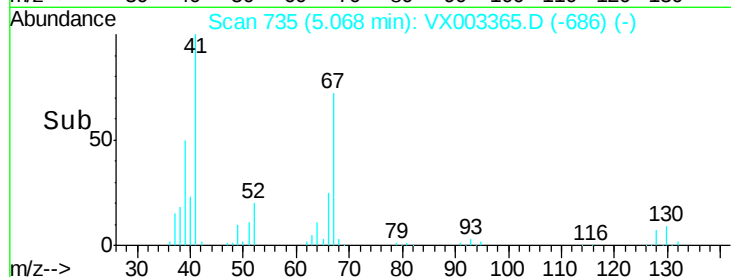
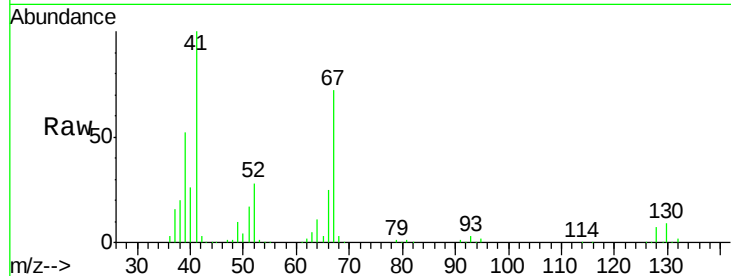
#41
Methacrylonitrile
Concen: 114.02 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		389767		
39	53.4	45.8	68.6		
67	74.3	51.3	76.9		
52	28.6	23.0	34.6		

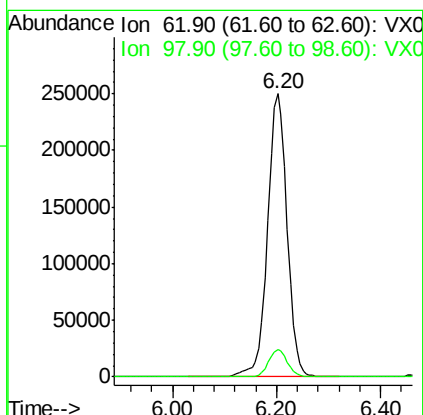
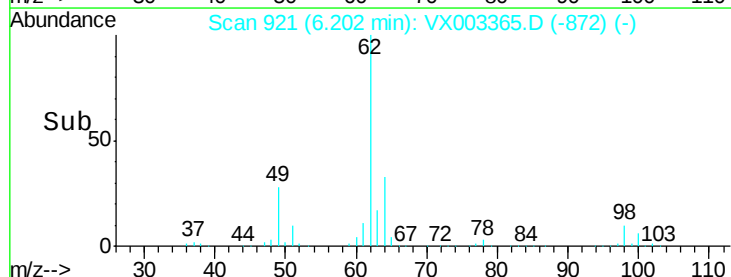
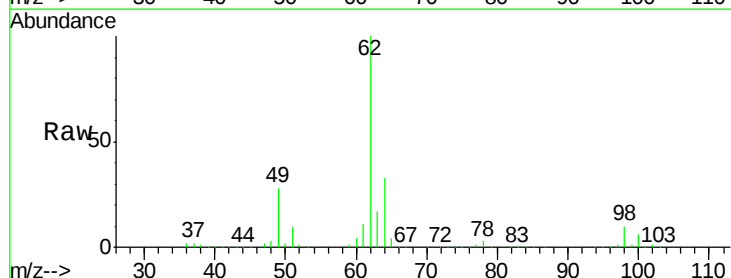
Manual Integrations
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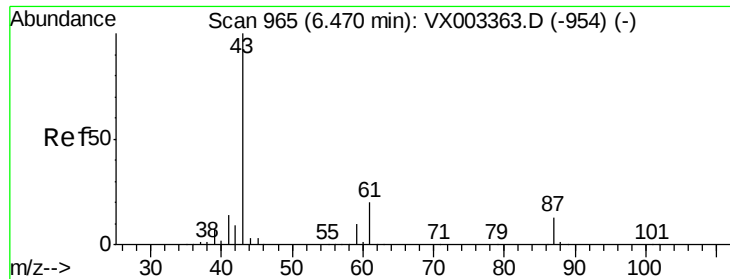
MMDadoda
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#42
1,2-Dichloroethane
Concen: 101.97 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		643073		
98	9.5	0.0	16.6		





#43

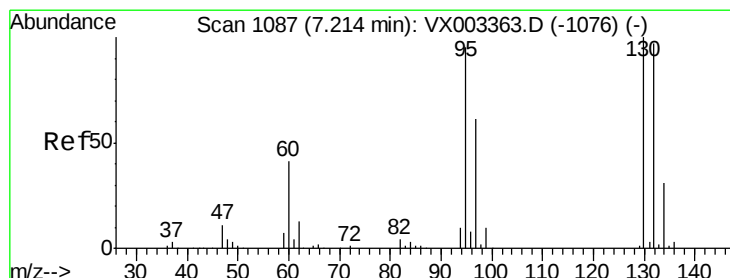
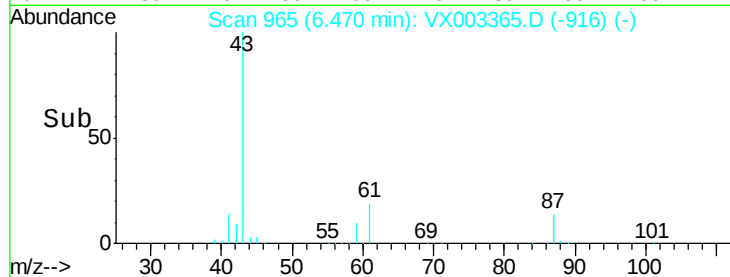
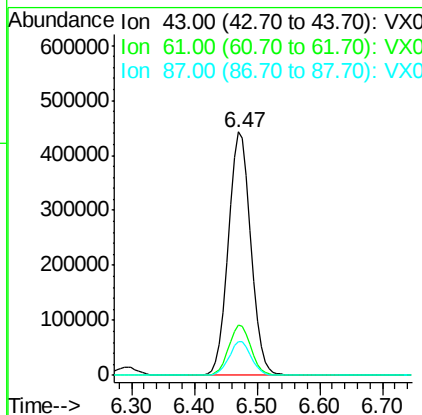
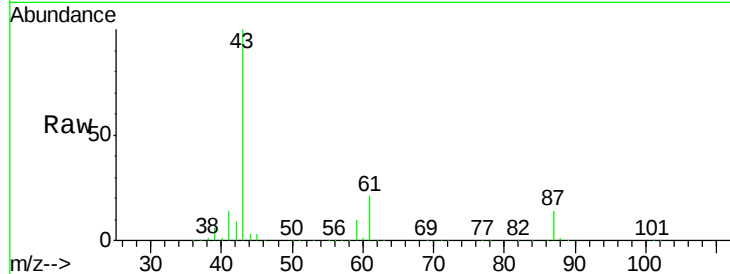
Isopropyl Acetate
 Concen: 111.54 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003365.D
 Acq: 13 Jul 2018 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	14.4	21.6
87	13.8	9.5	14.3

Manual Integrations
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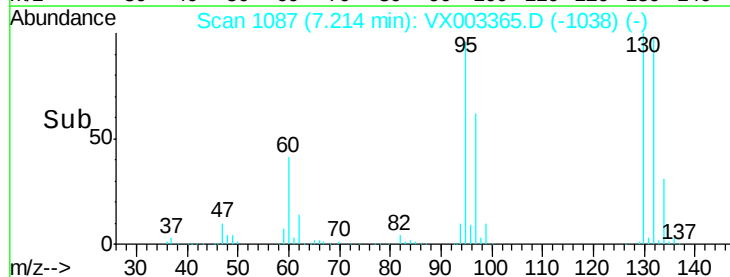
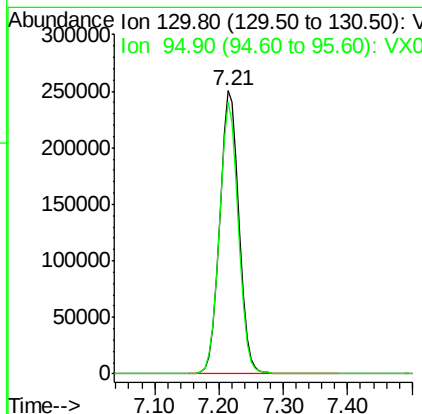
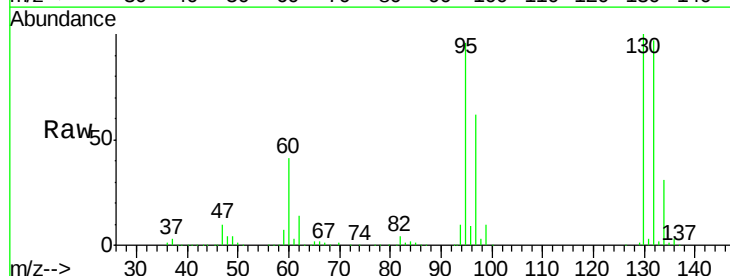
MMDadoda
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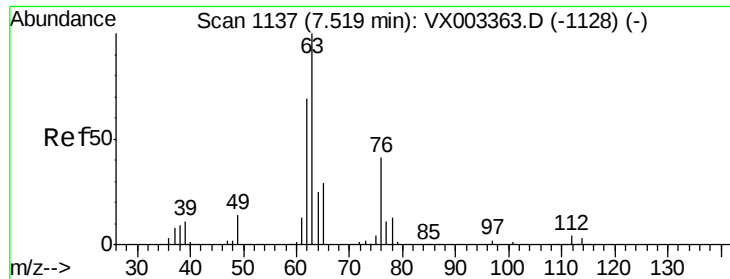


#44

Trichloroethene
 Concen: 105.98 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003365.D
 Acq: 13 Jul 2018 13:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	185.4





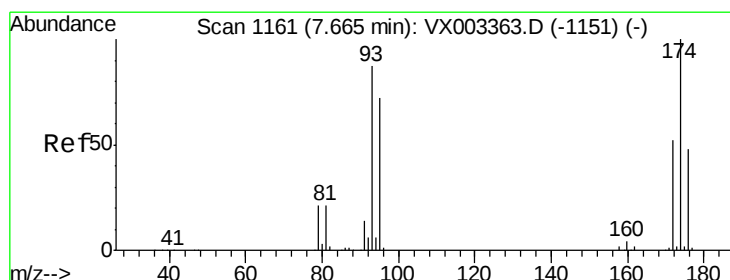
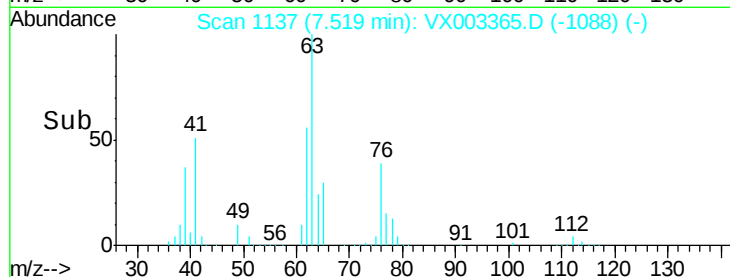
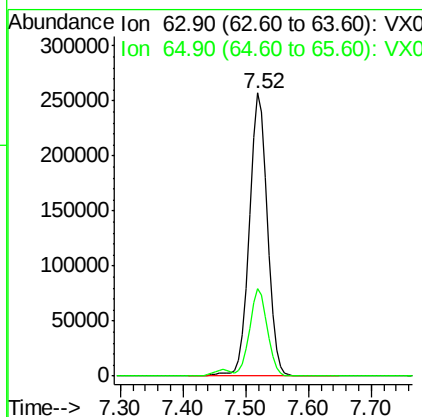
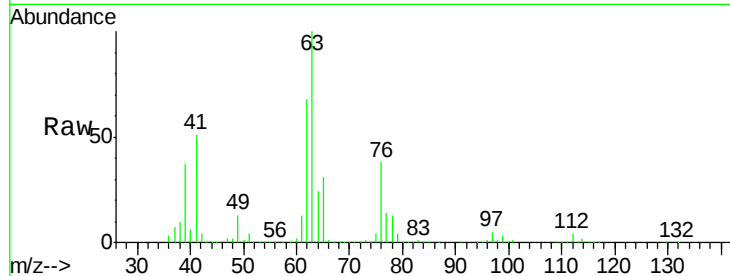
#45
 1,2-Dichloropropane
 Concen: 116.65 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003365.D
 Acq: 13 Jul 2018 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 511893
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

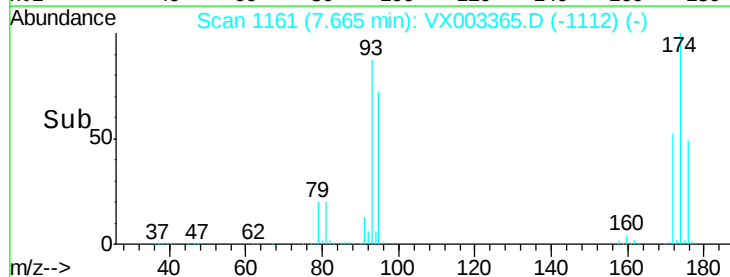
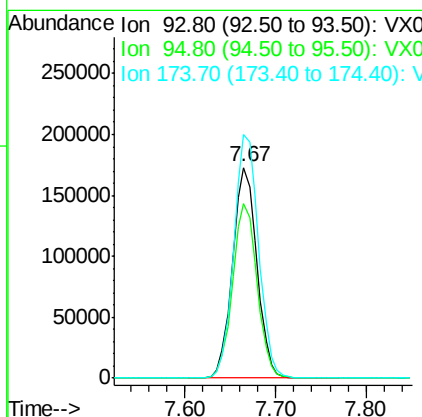
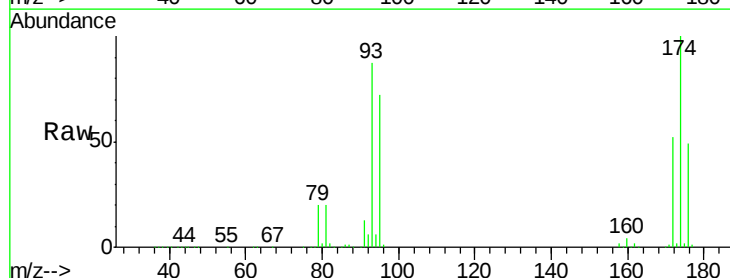
Manual Integrations
 APPROVED

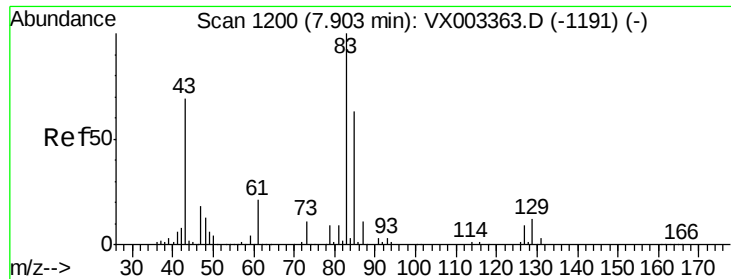
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#46
 Dibromomethane
 Concen: 108.89 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003365.D
 Acq: 13 Jul 2018 13:45

Tgt Ion: 93 Resp: 325710
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.9 98.9
 174 117.3 92.4 138.6





#47

Bromodichloromethane

Concen: 118.36 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

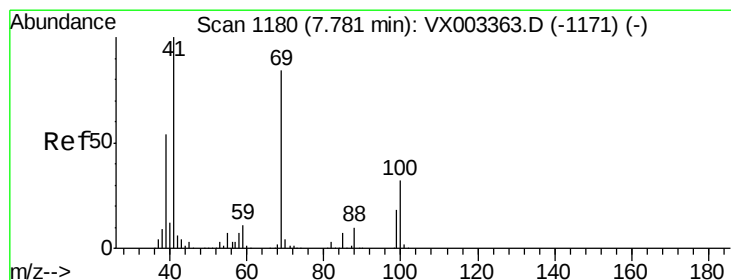
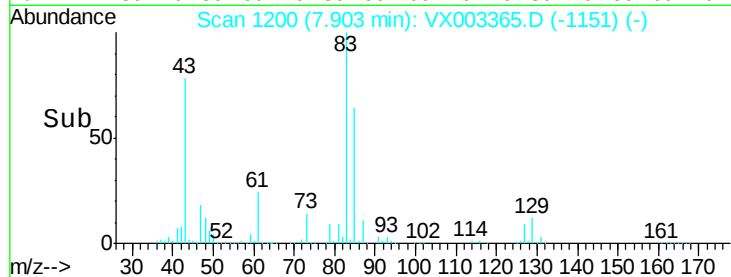
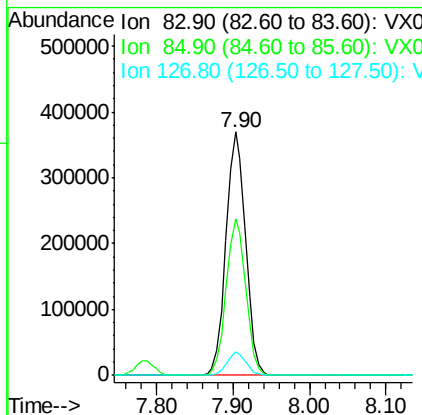
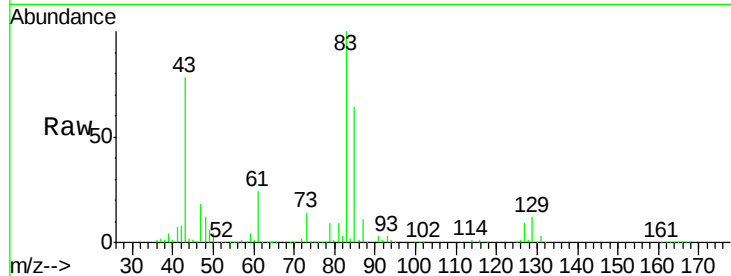
ClientSampleId :

VSTDICC150

Tot Ion:	83	Resp:	653228
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.3	75.5
127	9.4	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 112.64 ug/l

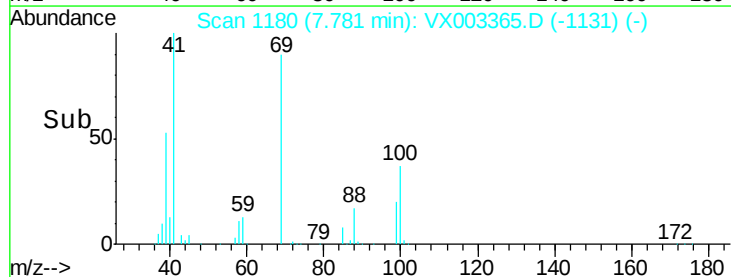
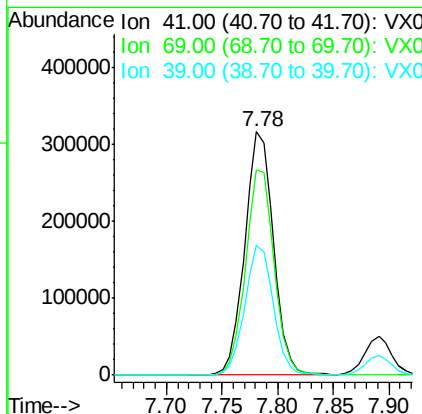
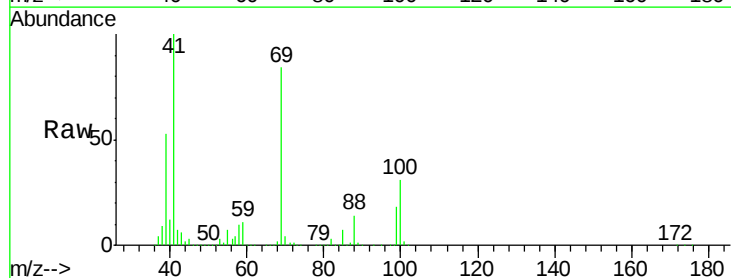
RT: 7.78 min Scan# 1180

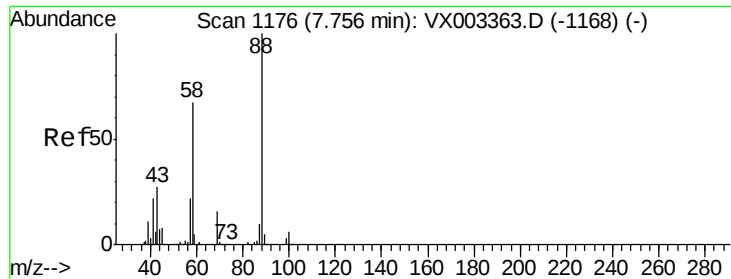
Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Tgt Ion:	41	Resp:	566464
Ion Ratio	Lower	Upper	
41	100		
69	84.7	59.1	88.7
39	53.5	48.9	73.3





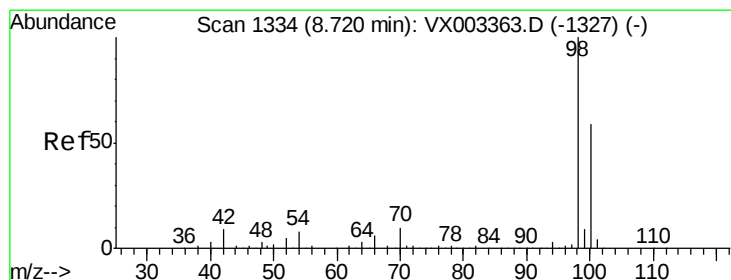
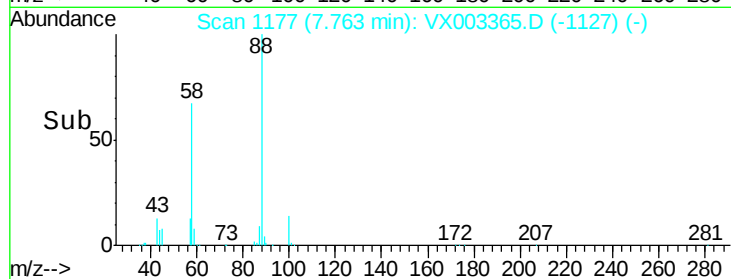
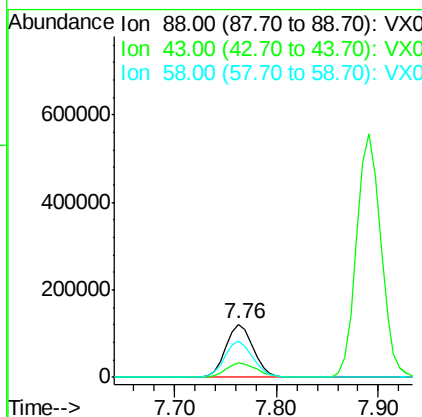
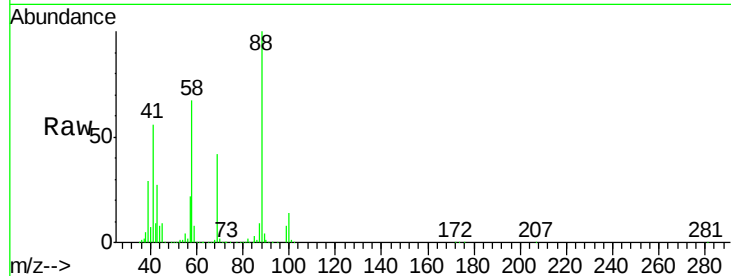
#49
1,4-Dioxane
Concen: 2145.00 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.2	29.8	44.6	
58	69.8	57.1	85.7	

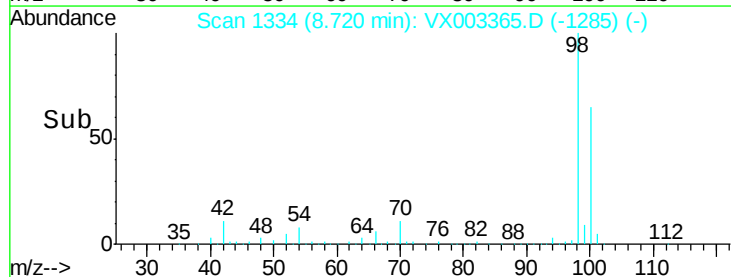
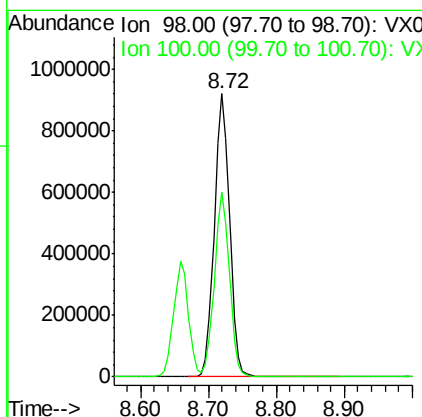
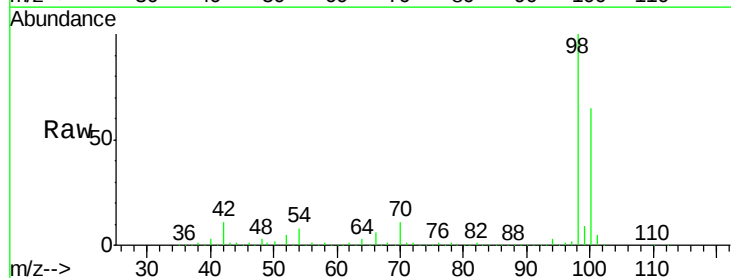
Manual Integrations
APPROVED

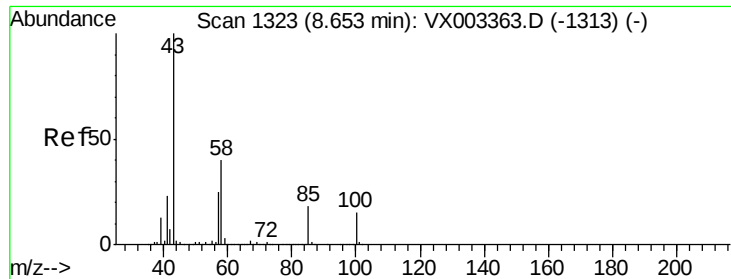
MMDadoda
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#50
Toluene-d8
Concen: 93.48 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.3	50.9	76.3	





#51

4-Methyl-2-Pentanone

Concen: 588.39 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3591798

Ion Ratio Lower Upper

43 100

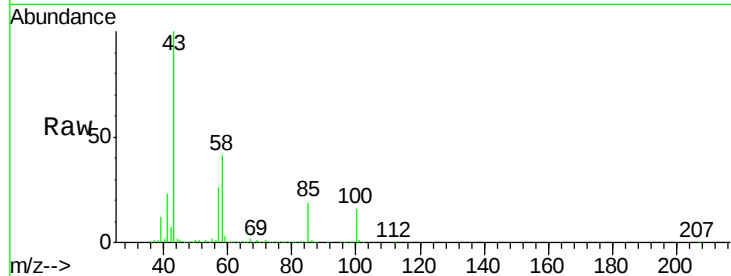
58 40.3 28.6 42.8

Manual Integrations

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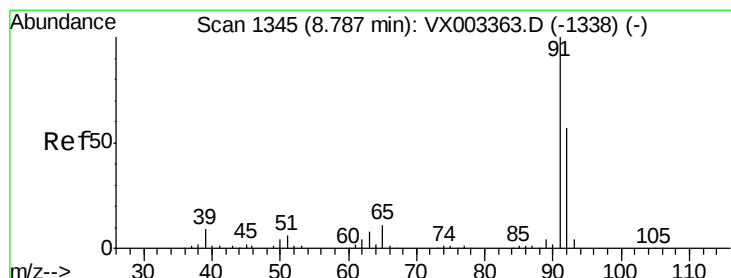
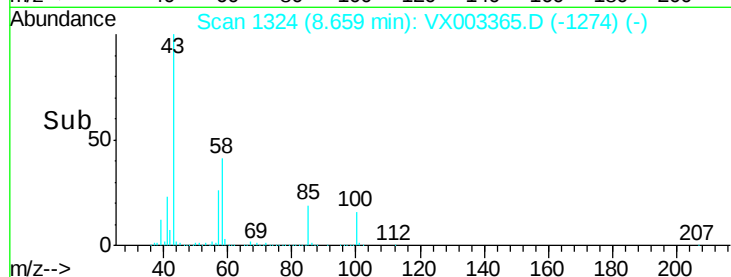
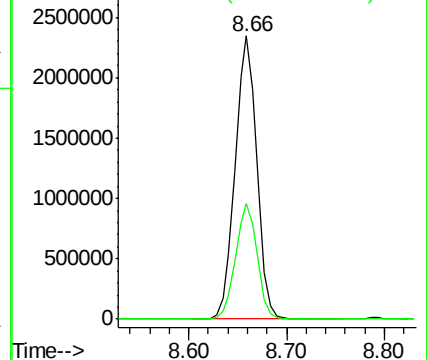
MMDadoda

7/16/2018 11:24:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 114.68 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003365.D

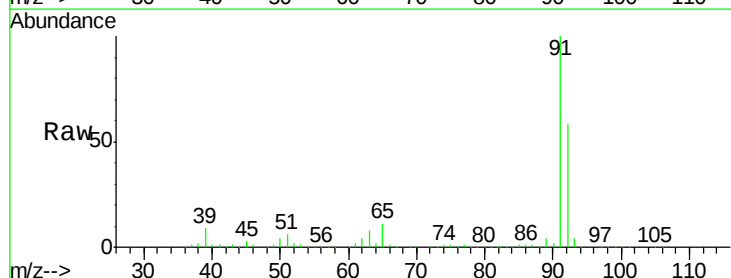
Acq: 13 Jul 2018 13:45

Tgt Ion: 92 Resp: 1223700

Ion Ratio Lower Upper

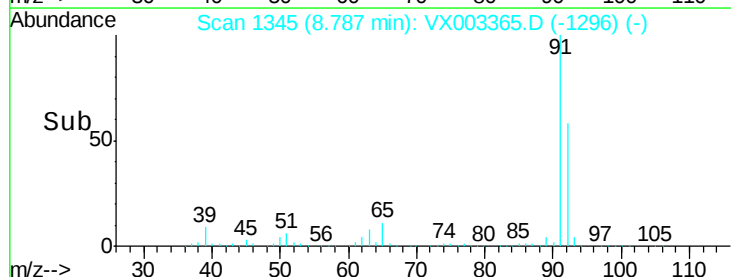
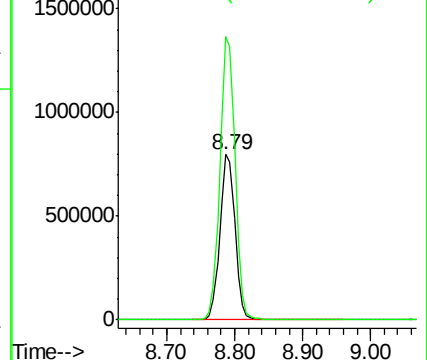
92 100

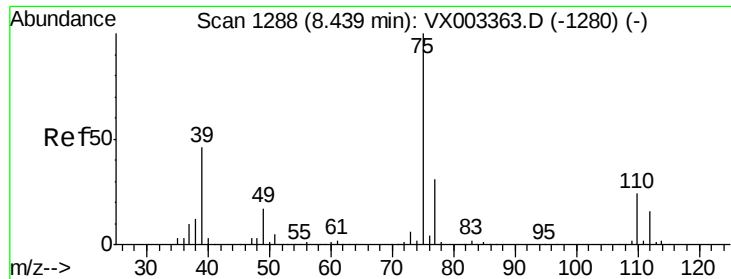
91 172.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





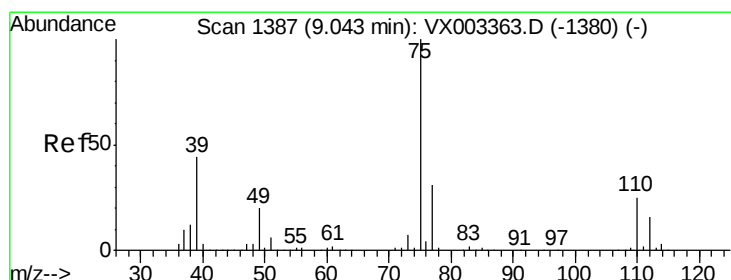
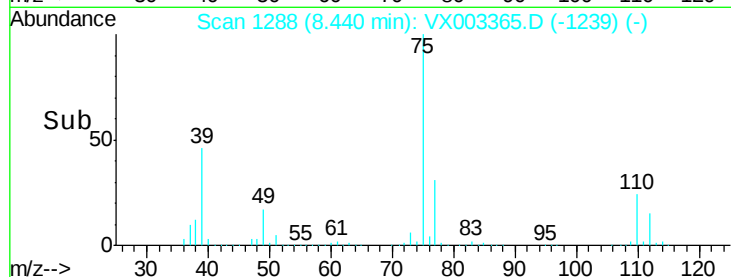
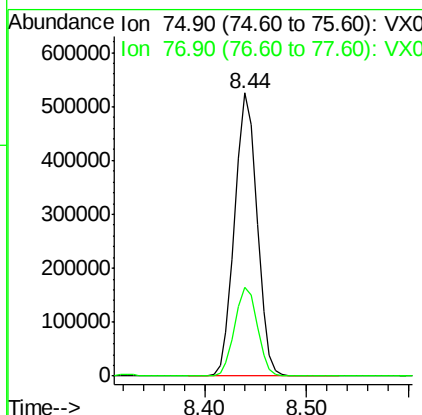
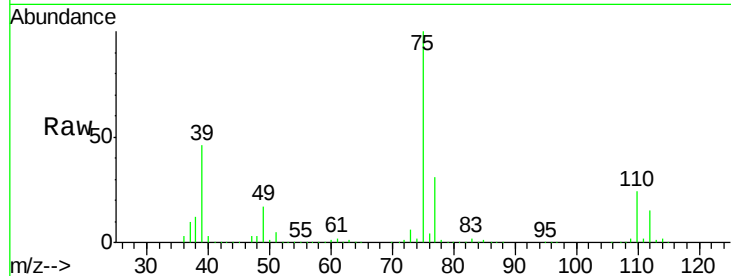
#53
t-1,3-Dichloropropene
Concen: 122.66 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 796542
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

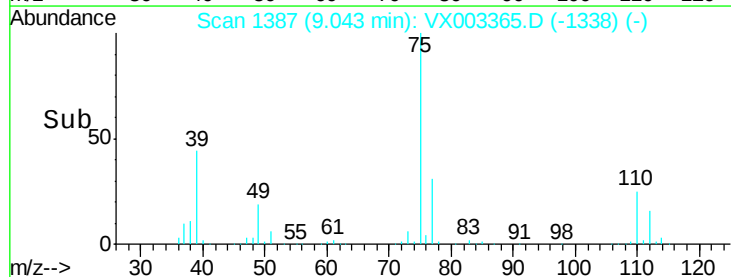
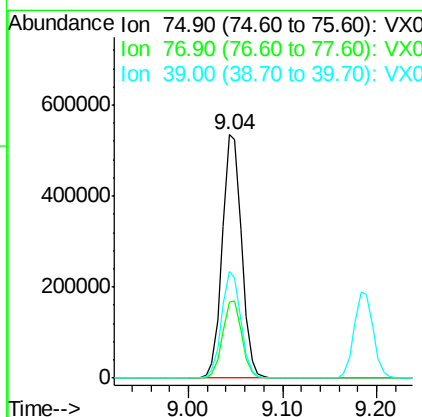
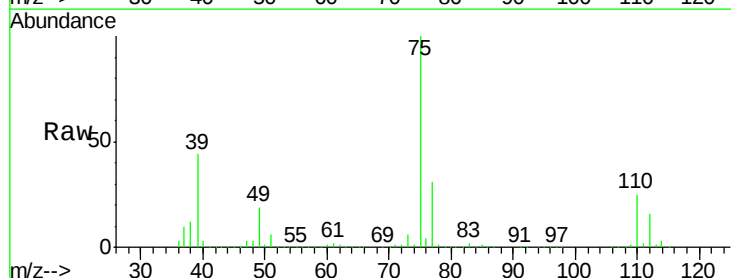
Manual Integrations
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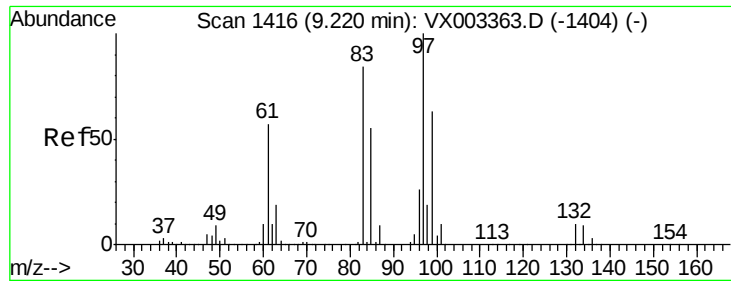
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 128.76 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion: 75 Resp: 761029
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2
39 43.7 42.4 63.6





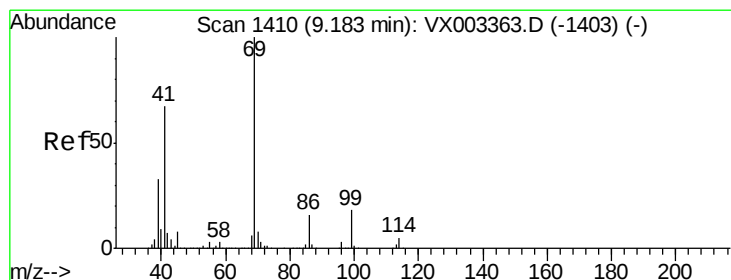
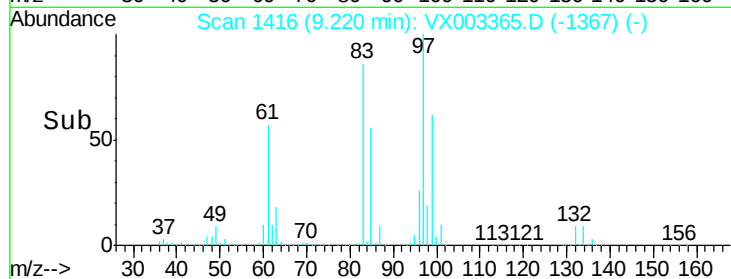
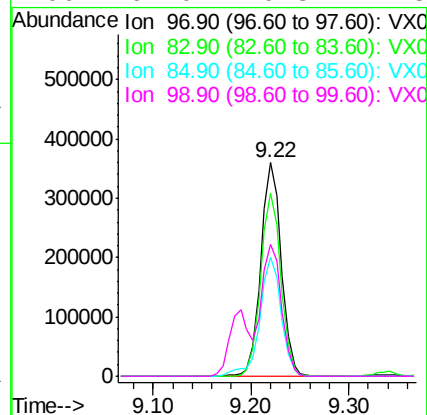
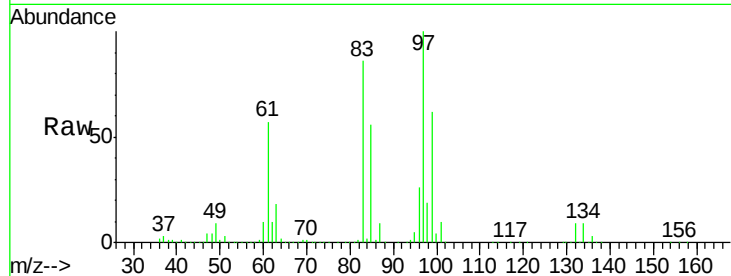
#55
 1,1,2-Trichloroethane
 Concen: 117.36 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003365.D
 Acq: 13 Jul 2018 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
97	100	519487		
83	85.6	70.2	105.2	
85	55.6	44.9	67.3	
99	62.0	49.8	74.8	

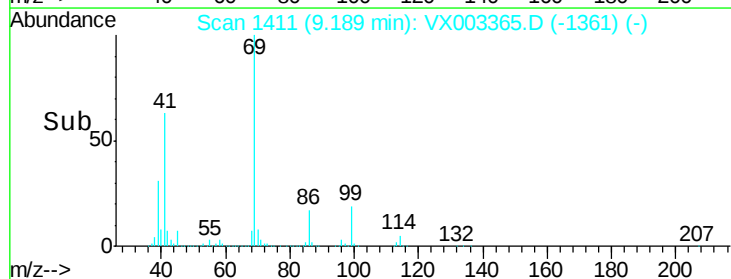
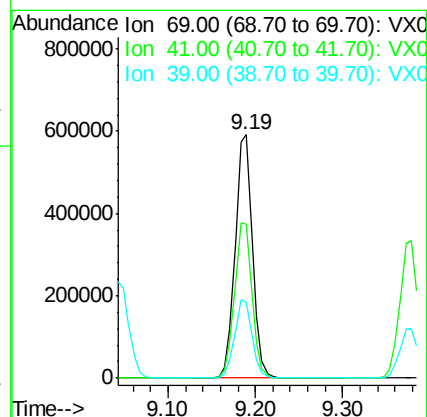
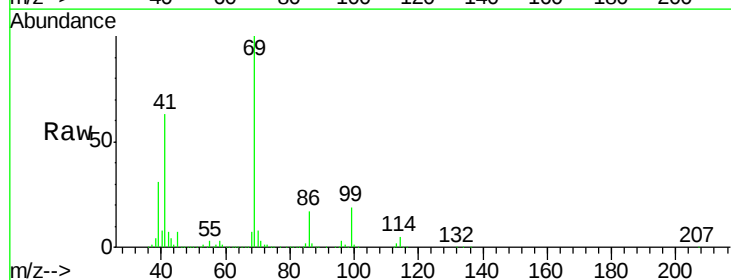
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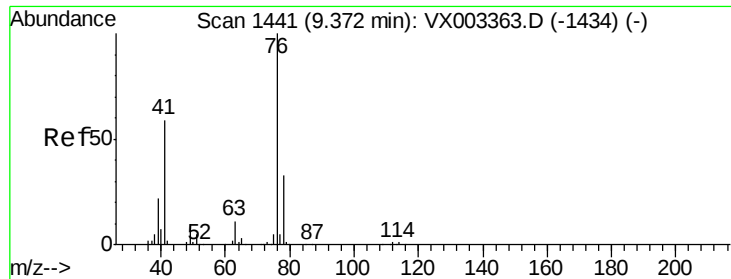
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#56
 Ethyl methacrylate
 Concen: 135.44 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003365.D
 Acq: 13 Jul 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	821123		
41	64.8	60.3	90.5	
39	32.4	35.8	53.8#	





#57

1,3-Dichloropropane

Concen: 116.95 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.01 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 833852

Ion Ratio Lower Upper

76 100

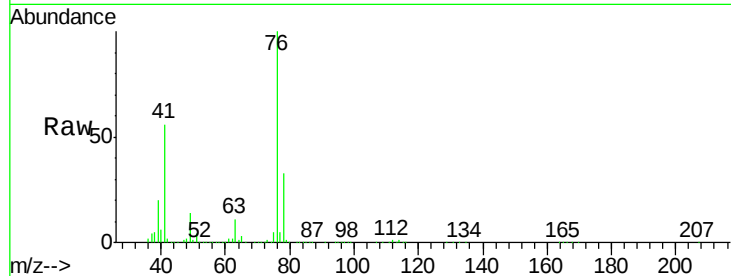
78 32.2 25.8 38.6

Manual Integrations

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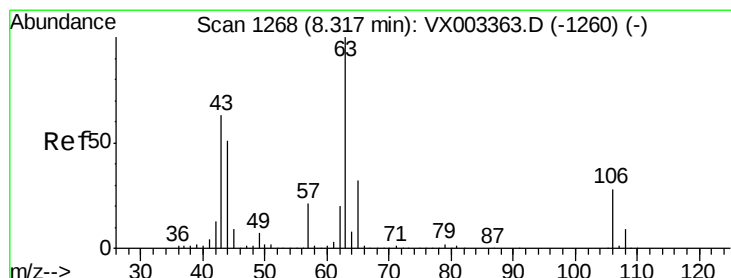
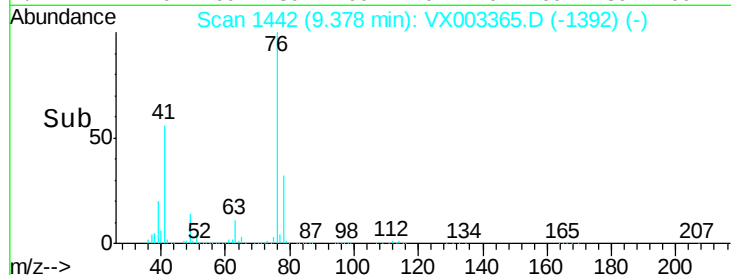
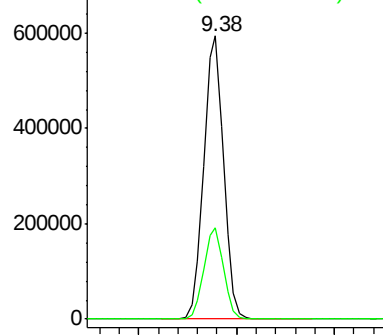
MMDadoda

7/16/2018 11:24:43 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 664.44 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VX003365.D

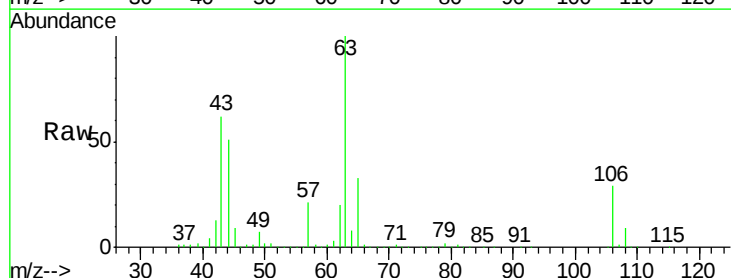
Acq: 13 Jul 2018 13:45

Tgt Ion: 63 Resp: 1943239

Ion Ratio Lower Upper

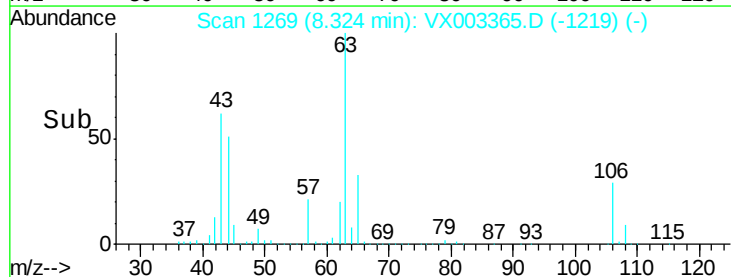
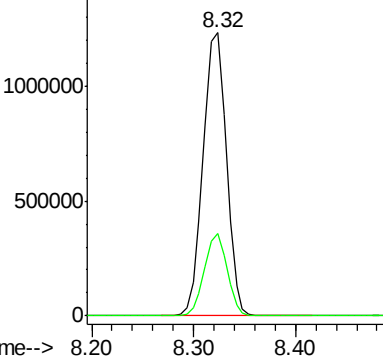
63 100

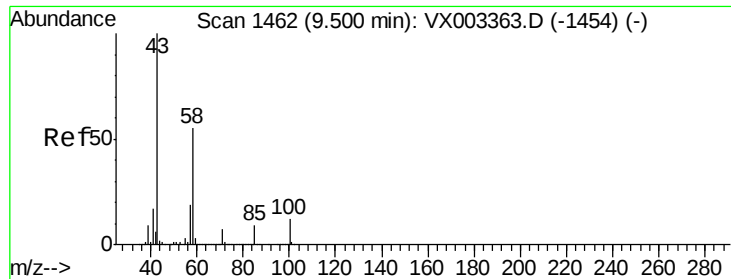
106 28.3 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





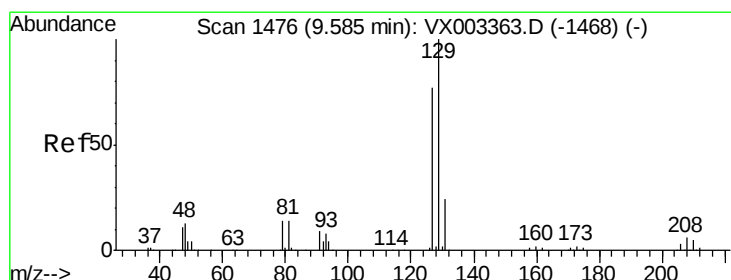
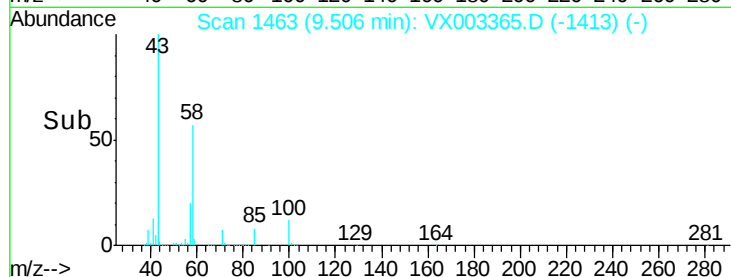
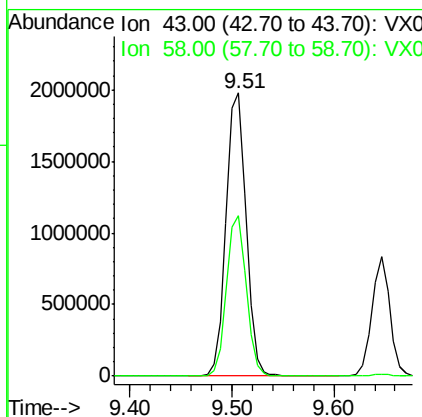
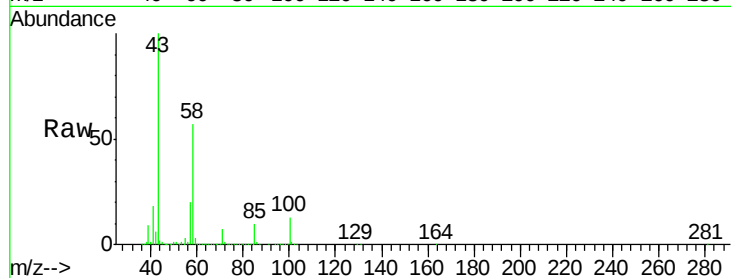
#59
2-Hexanone
Concen: 579.95 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2688996
Ion Ratio Lower Upper
43 100
58 56.1 24.6 73.6

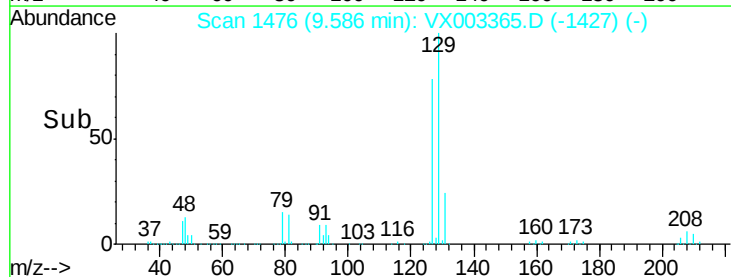
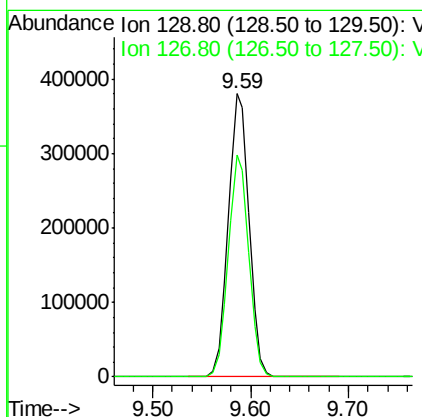
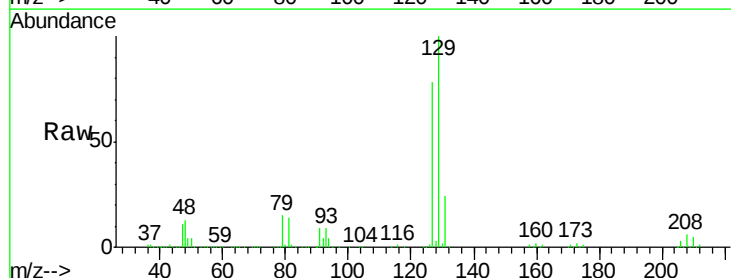
Manual Integrations
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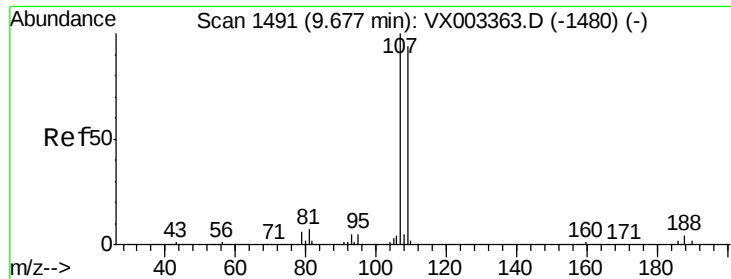
MMDadoda
7/16/2018 11:24:43 AM



#60
Dibromochloromethane
Concen: 121.08 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion: 129 Resp: 559590
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 114.11 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 529348

Ion Ratio Lower Upper

107 100

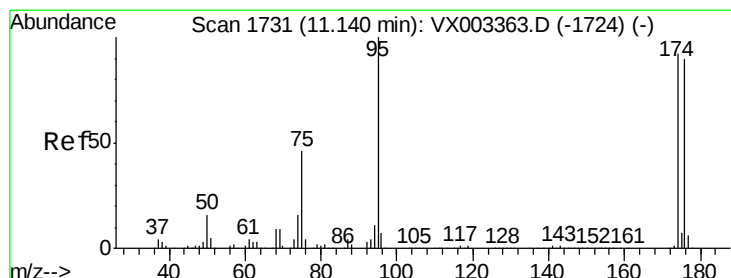
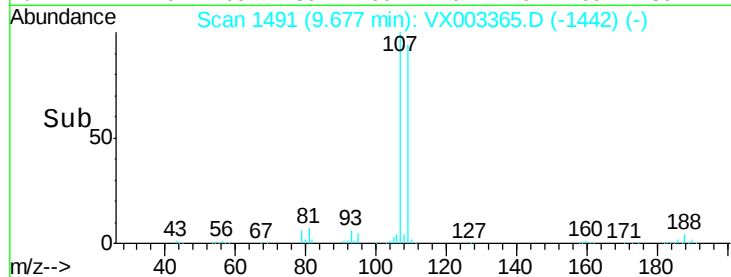
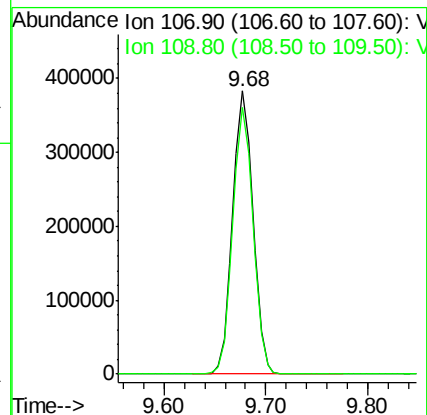
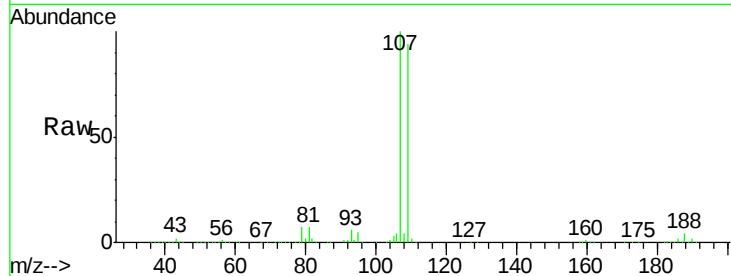
109 94.0 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 104.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

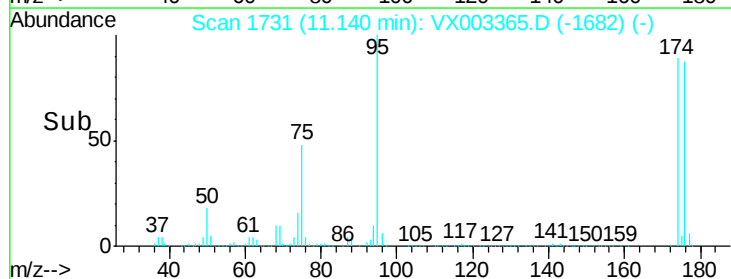
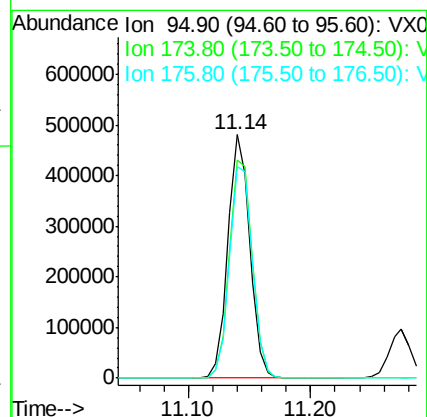
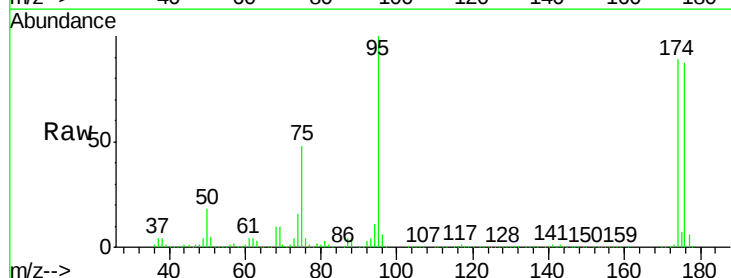
Tgt Ion: 95 Resp: 594874

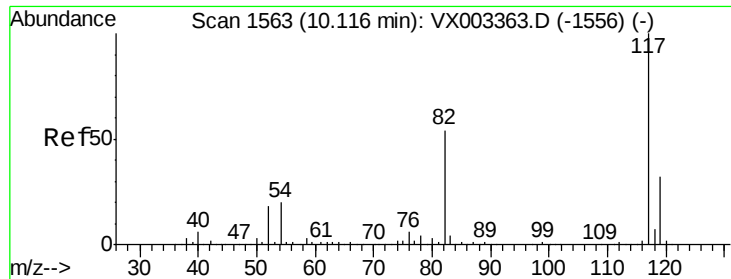
Ion Ratio Lower Upper

95 100

174 93.6 0.0 187.4

176 90.7 0.0 181.0





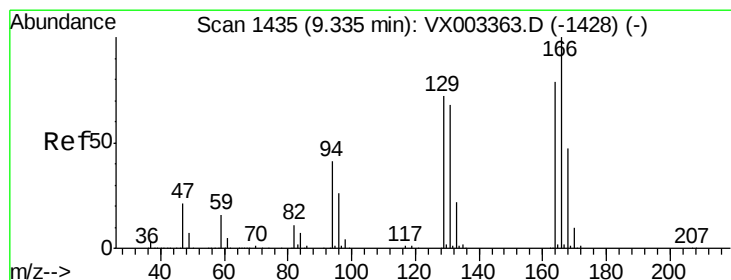
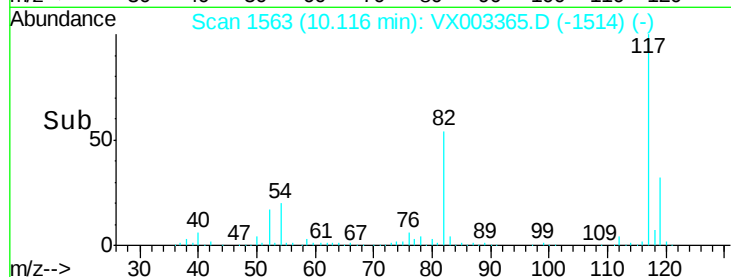
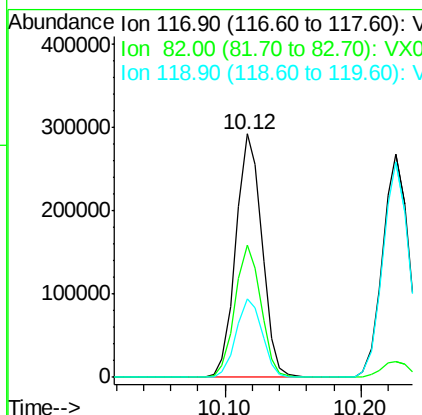
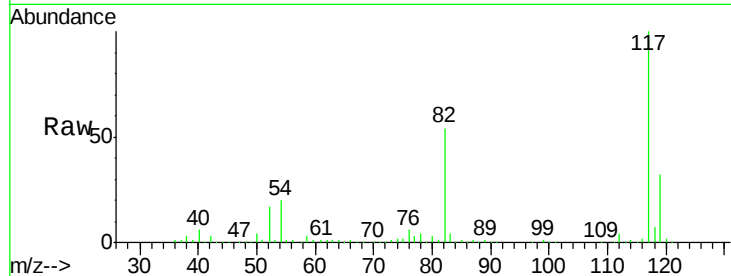
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.0	67.4
119	32.1	25.8	38.6

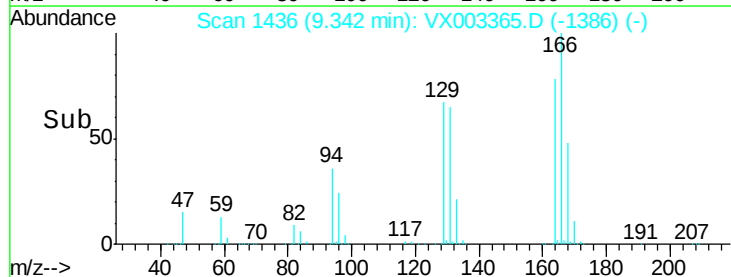
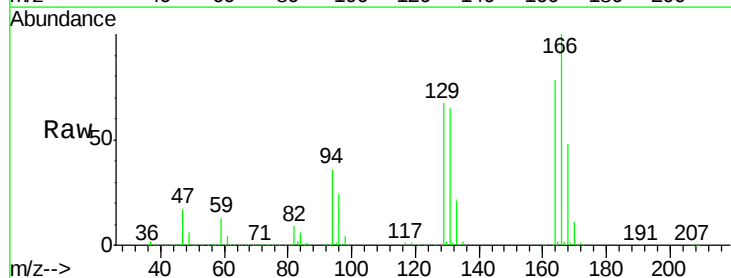
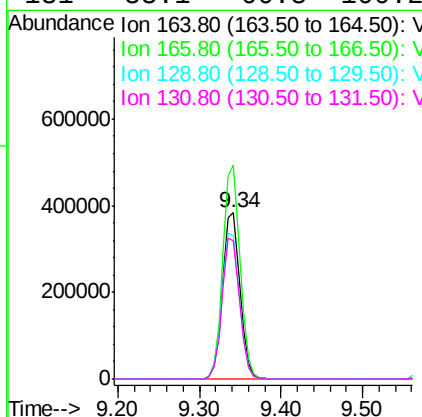
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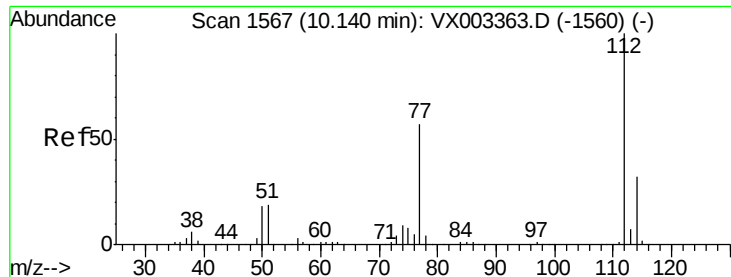
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#64
Tetrachloroethene
Concen: 95.72 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	102.9	154.3
129	86.1	68.6	102.8
131	83.1	66.8	100.2





#65

Chlorobenzene

Concen: 106.56 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1417231

Ion Ratio Lower Upper

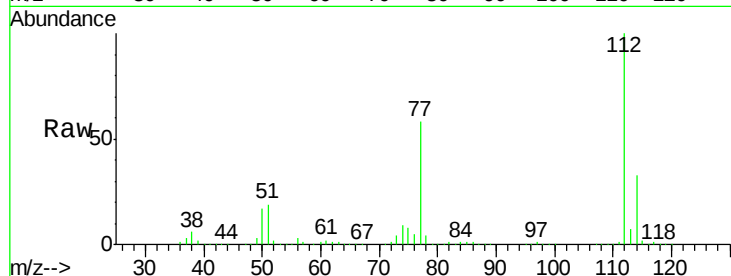
112 100

114 32.5 25.3 37.9

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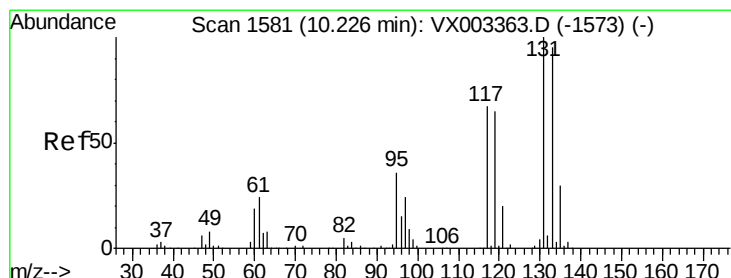
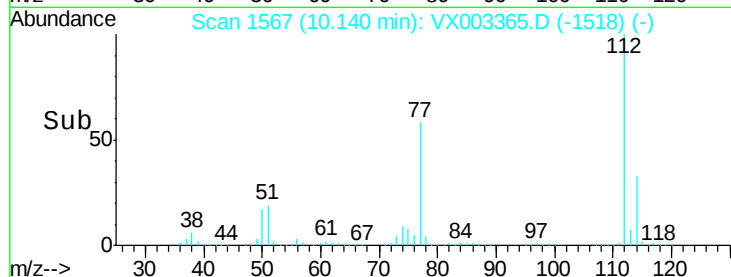
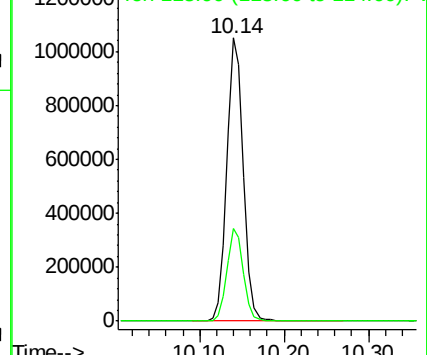
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 111.43 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

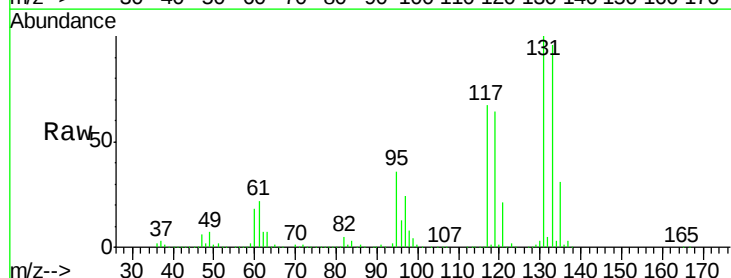
Tgt Ion:131 Resp: 534688

Ion Ratio Lower Upper

131 100

133 95.8 47.9 143.6

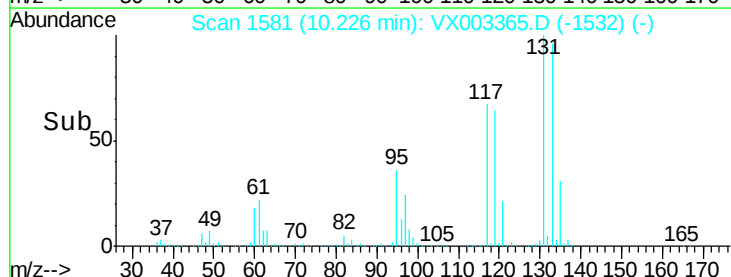
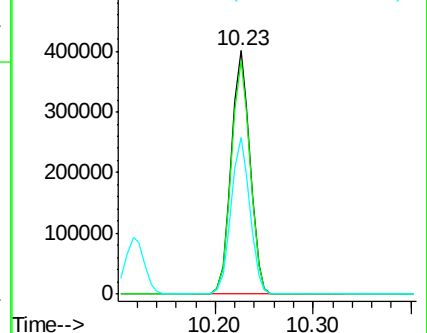
119 64.5 31.8 95.3

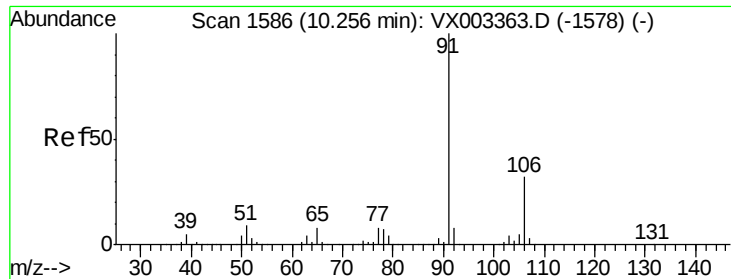


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 111.55 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2399242

Ion Ratio Lower Upper

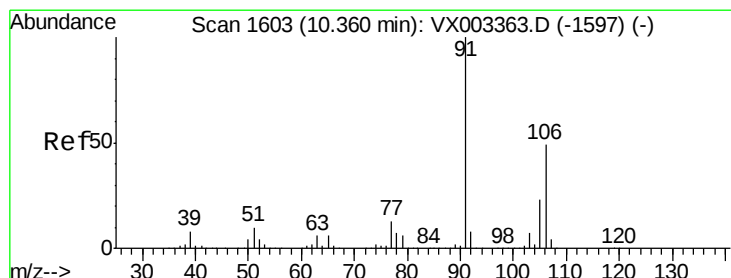
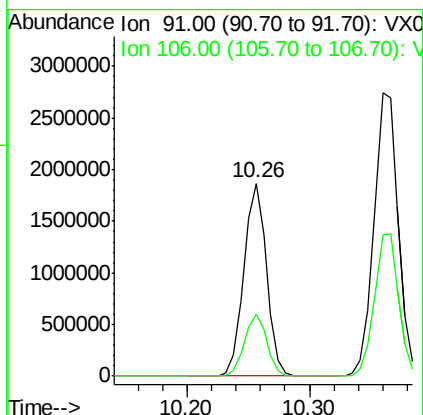
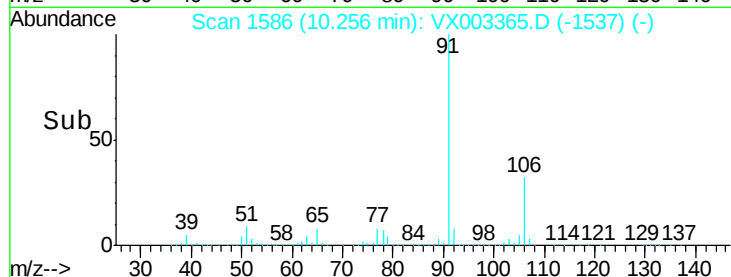
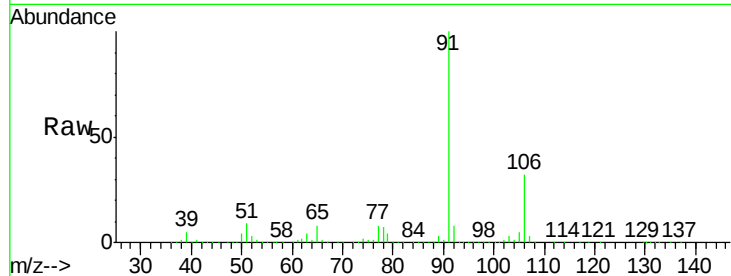
91 100

106 32.2 25.5 38.3

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#68

m/p-Xylenes

Concen: 227.59 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX003365.D

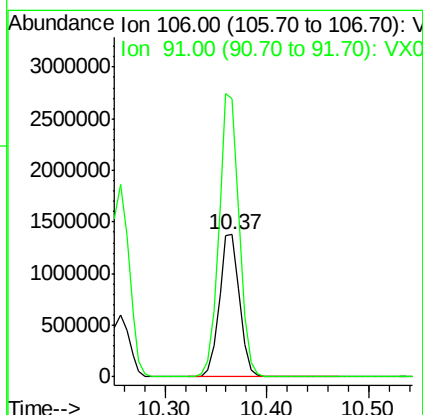
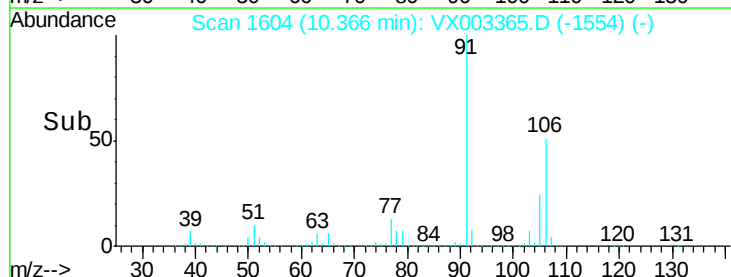
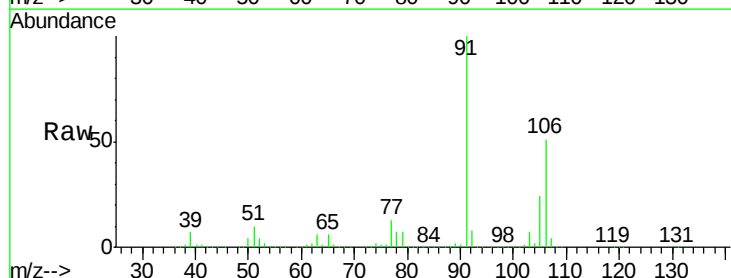
Acq: 13 Jul 2018 13:45

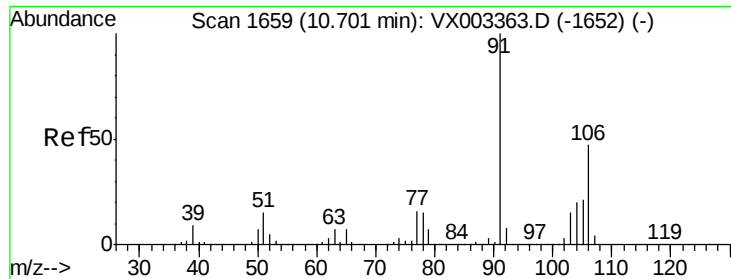
Tgt Ion: 106 Resp: 1904286

Ion Ratio Lower Upper

106 100

91 198.9 163.4 245.2





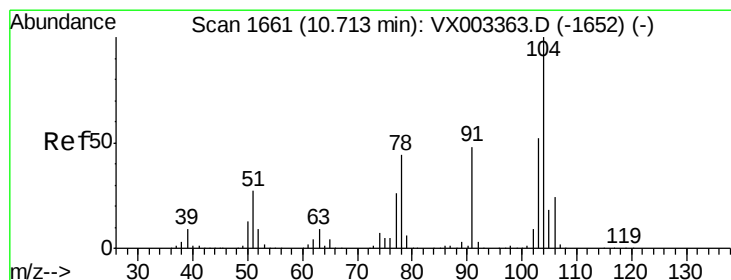
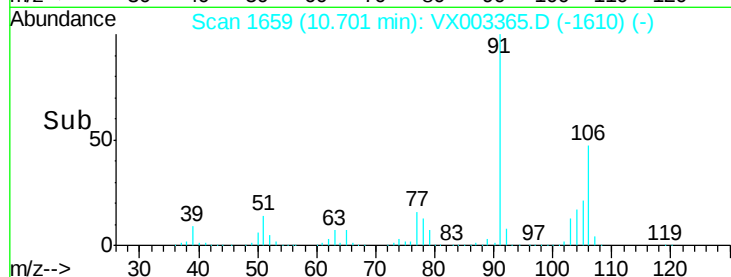
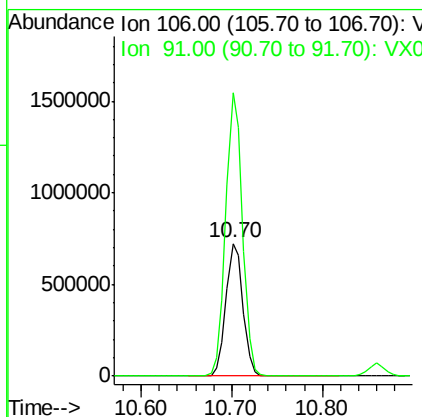
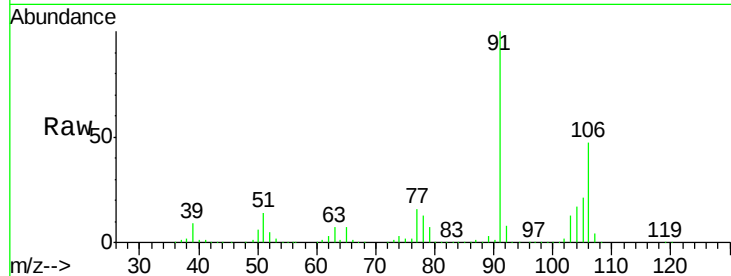
#69
o-Xylene
Concen: 116.13 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 941366
Ion Ratio Lower Upper
106 100
91 210.4 108.2 324.6

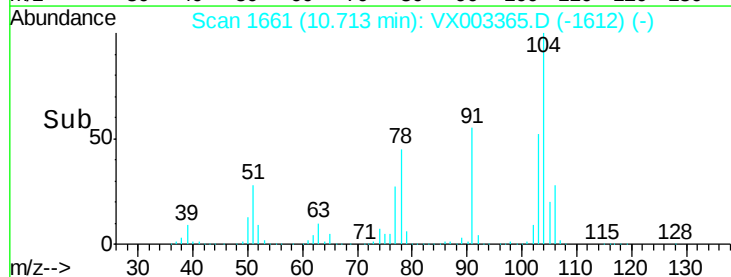
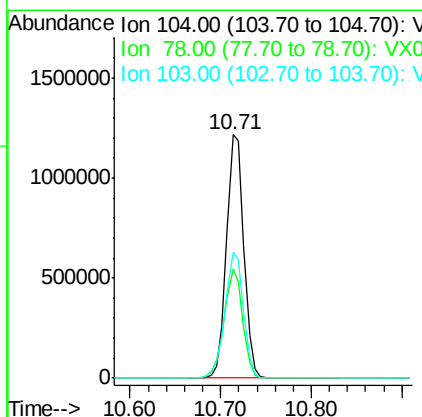
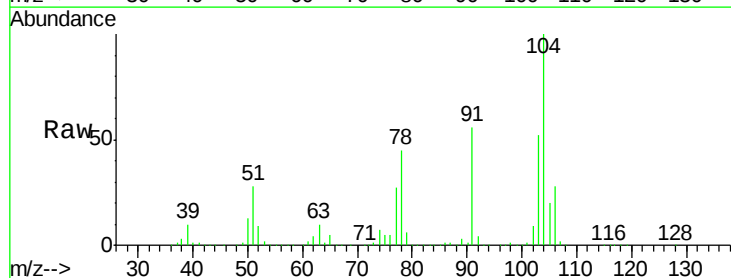
Manual Integrations
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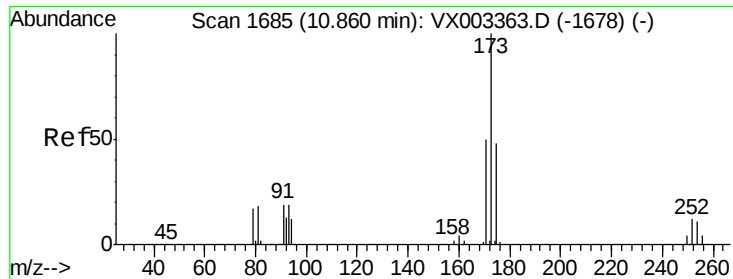
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#70
Styrene
Concen: 122.61 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion:104 Resp: 1611591
Ion Ratio Lower Upper
104 100
78 48.0 41.0 61.6
103 55.3 44.2 66.4





#71

Bromoform

Concen: 118.96 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 469670

Ion Ratio Lower Upper

173 100

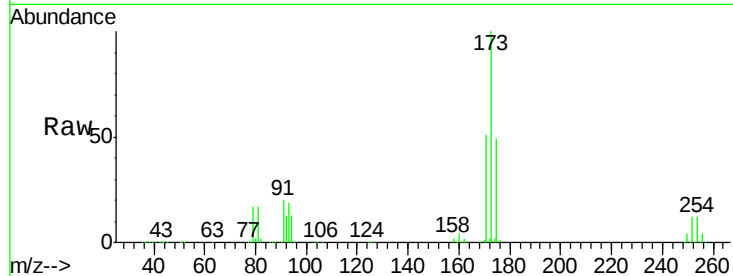
175 48.9 24.7 74.1

254 0.2 0.2 0.2

Manual Integrations
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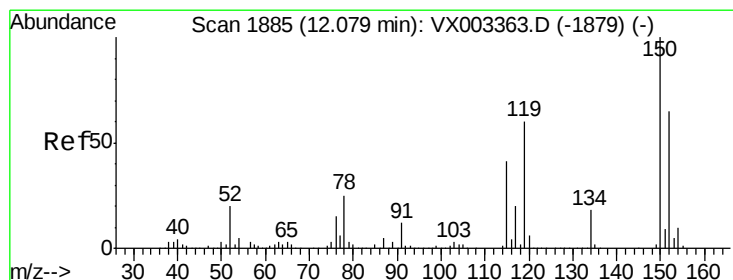
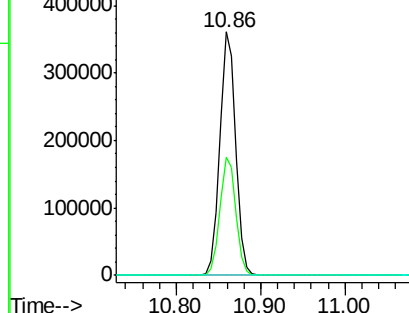
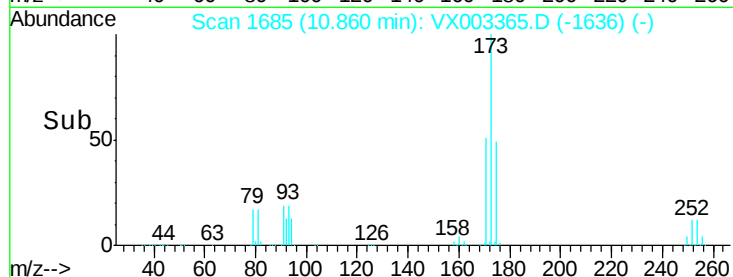
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

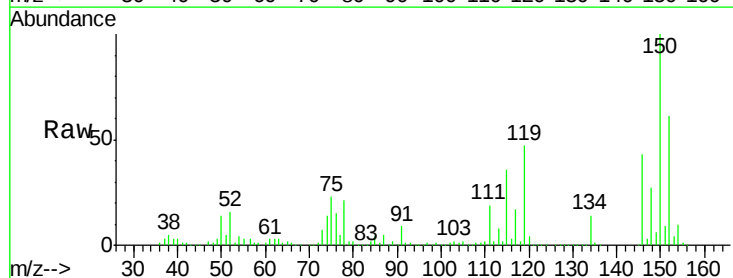
Tgt Ion:152 Resp: 245357

Ion Ratio Lower Upper

152 100

115 123.6 40.1 120.2#

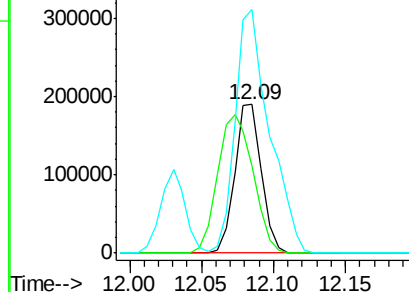
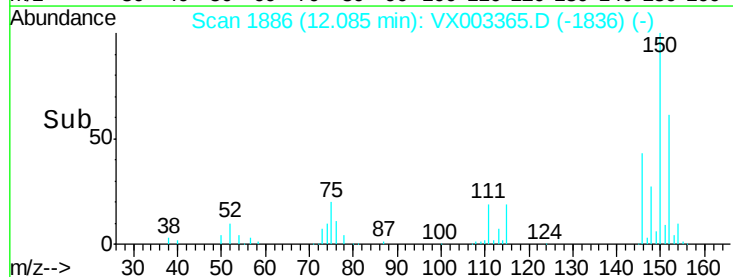
150 210.7 0.0 347.2

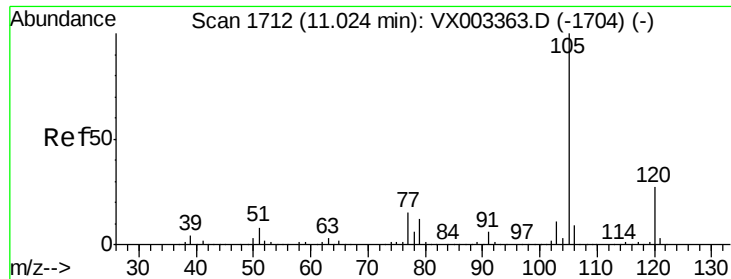


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 127.81 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2475964

Ion Ratio Lower Upper

105 100

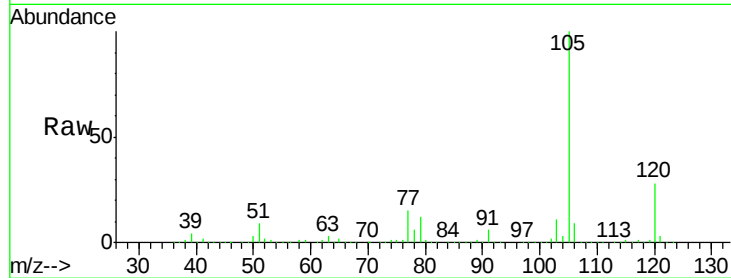
120 27.1 13.5 40.4

Manual Integrations

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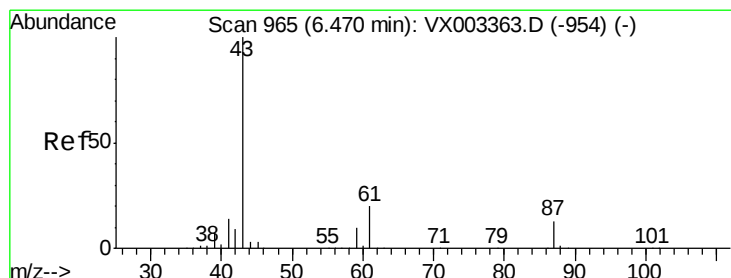
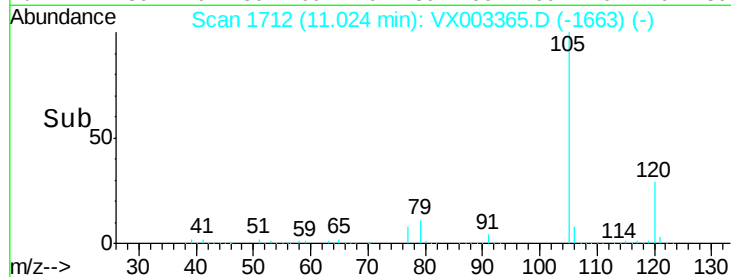
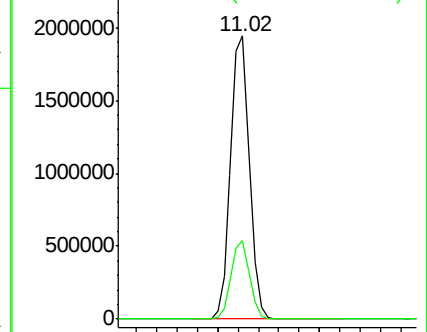
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 118.34 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Tgt Ion: 43 Resp: 1093641

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

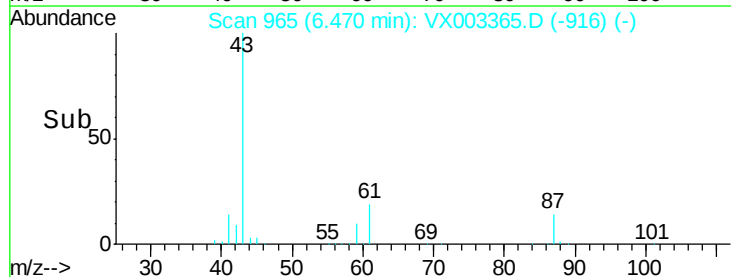
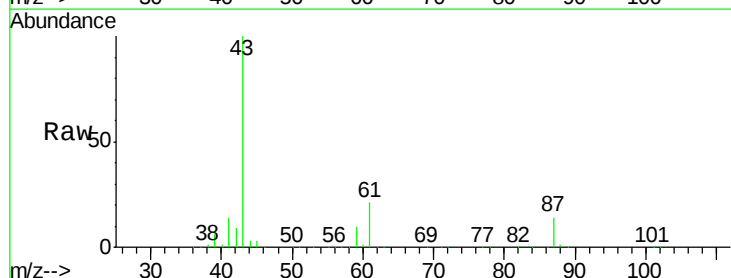
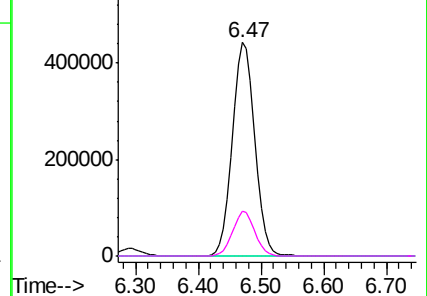
61 20.5 14.4 21.6

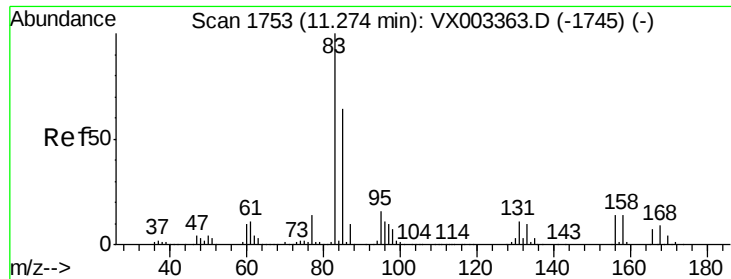
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 130.35 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 783215

Ion Ratio Lower Upper

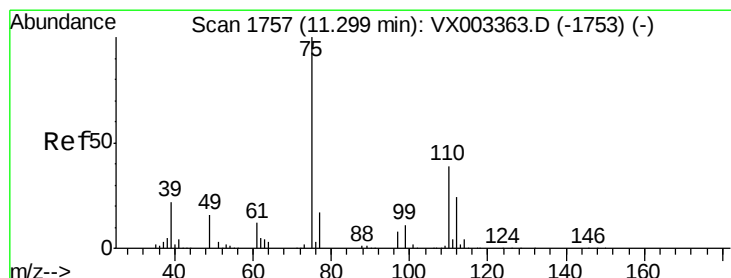
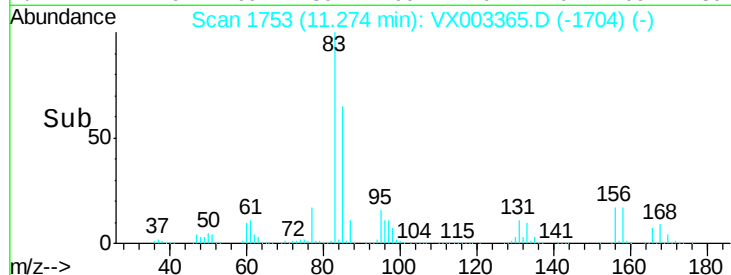
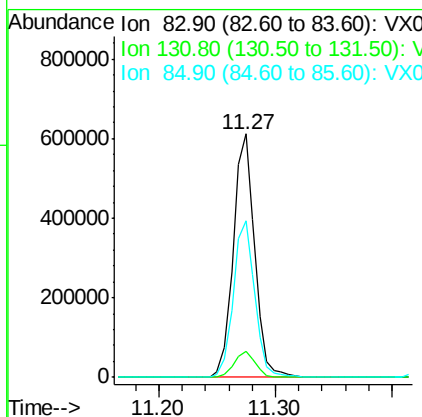
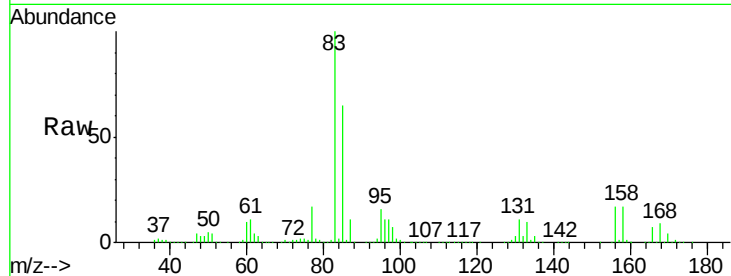
83 100

131 10.7 5.6 16.8

85 64.6 32.4 97.2

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#76

1,2,3-Trichloropropane

Concen: 124.29 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003365.D

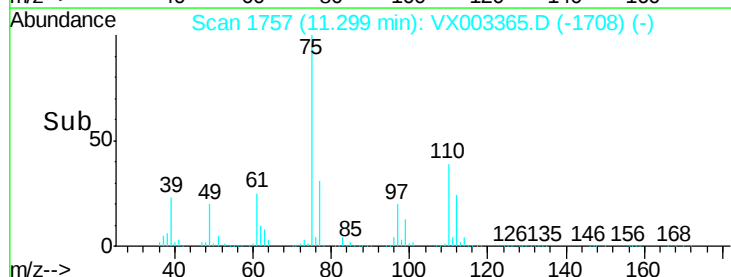
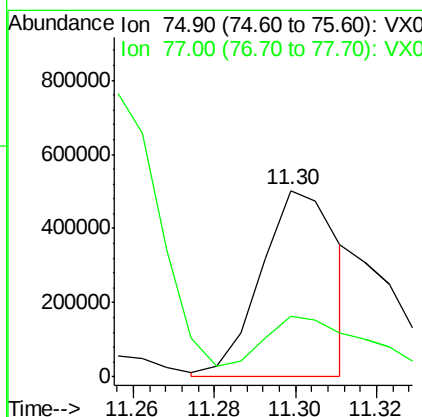
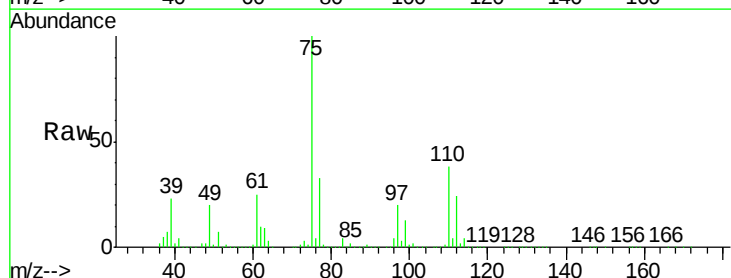
Acq: 13 Jul 2018 13:45

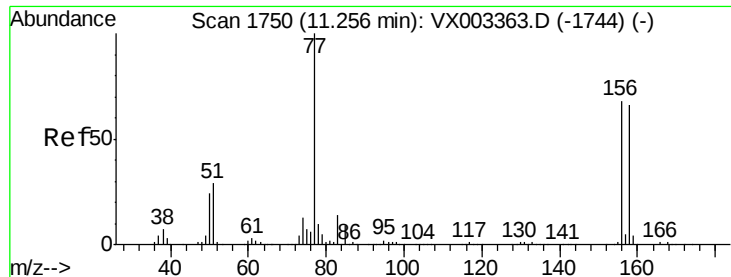
Tgt Ion: 75 Resp: 659083

Ion Ratio Lower Upper

75 100

77 45.5 22.8 68.3





#77

Bromobenzene

Concen: 120.92 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

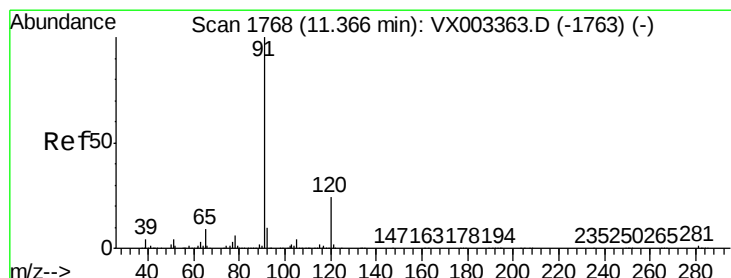
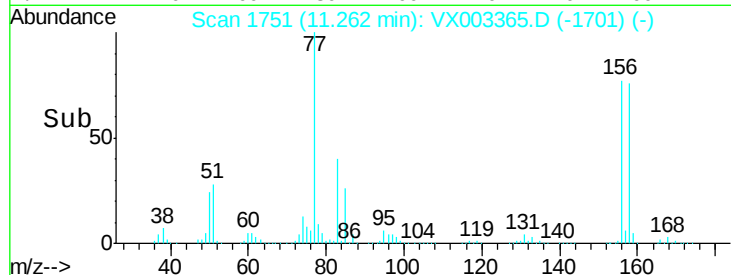
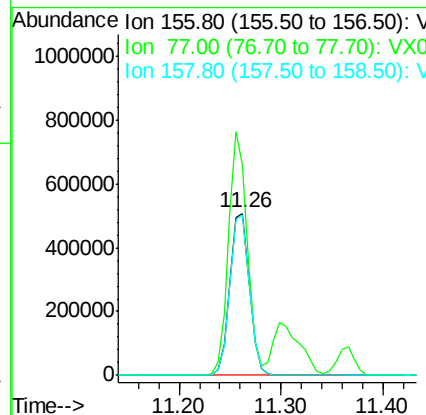
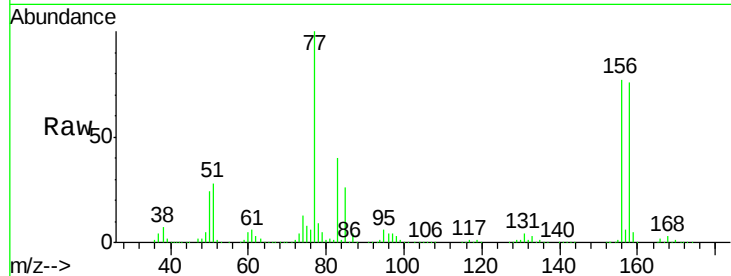
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	142.9	71.4	214.2	
158	98.2	48.9	146.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 130.60 ug/l

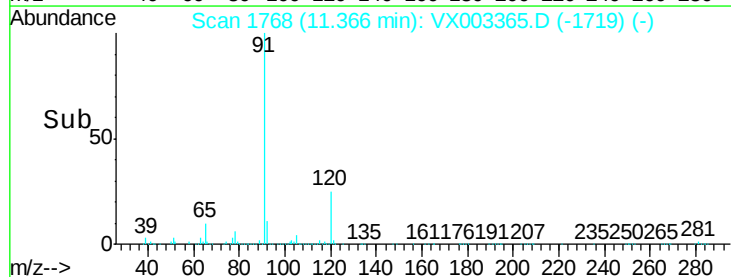
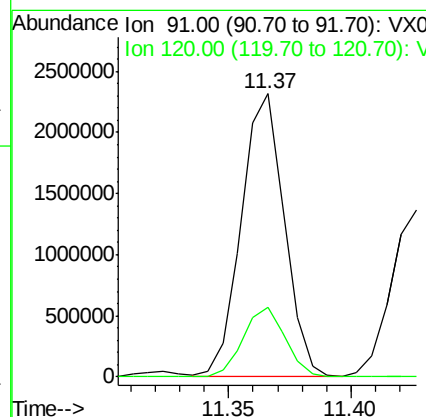
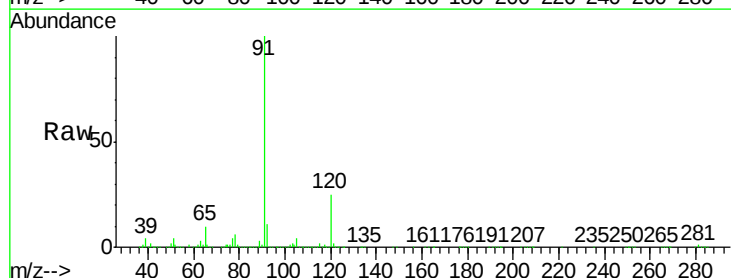
RT: 11.37 min Scan# 1768

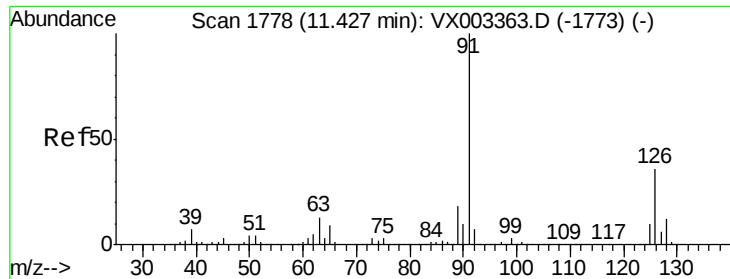
Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.3	11.8	35.4	





#79

2-Chlorotoluene

Concen: 127.95 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1678895

Ion Ratio Lower Upper

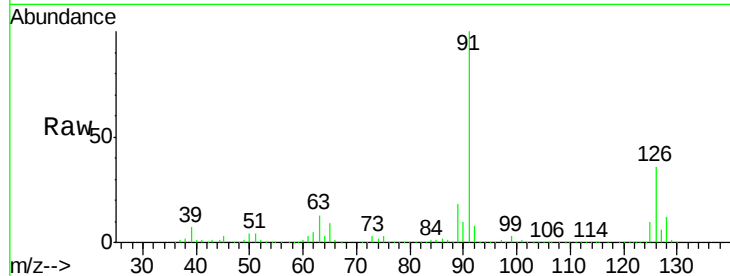
91 100

126 35.8 17.7 53.1

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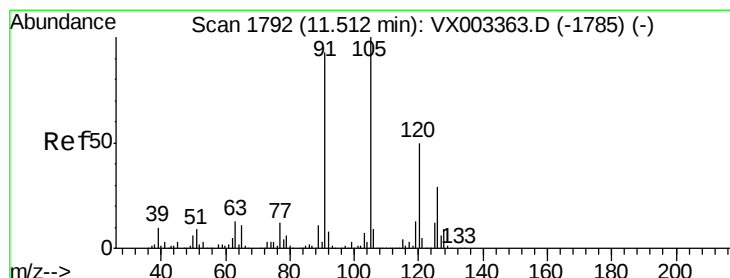
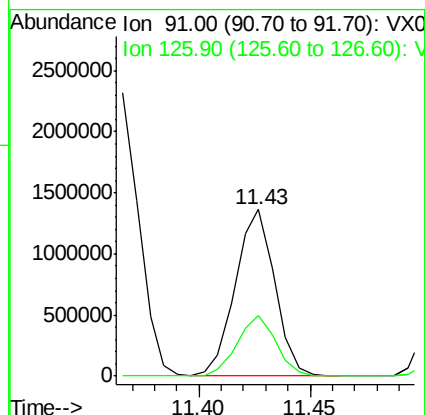
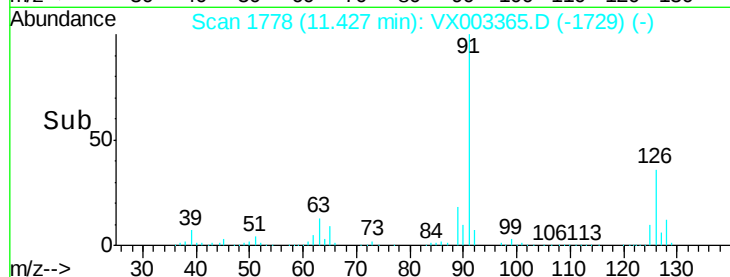
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Abundance Ion 91.00 (90.70 to 91.70): VX003363.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003363.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 130.79 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003365.D

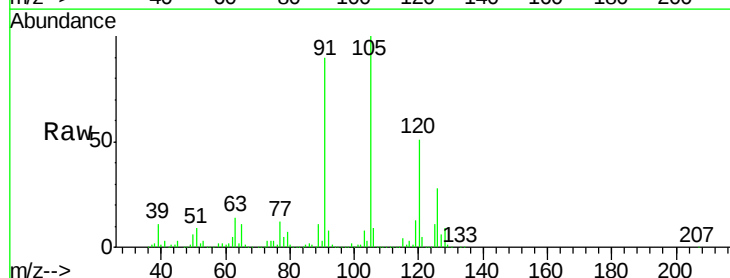
Acq: 13 Jul 2018 13:45

Tgt Ion: 105 Resp: 2109765

Ion Ratio Lower Upper

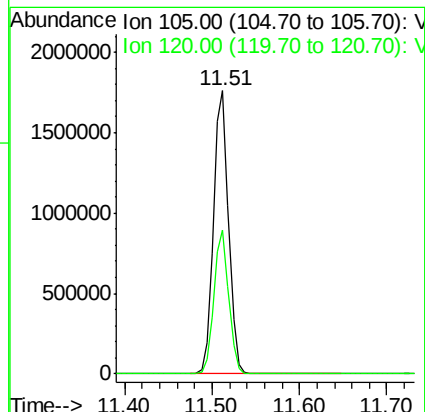
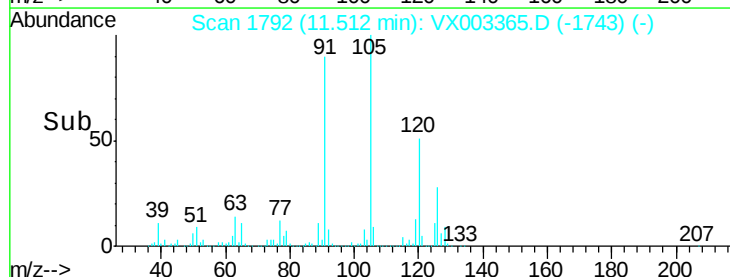
105 100

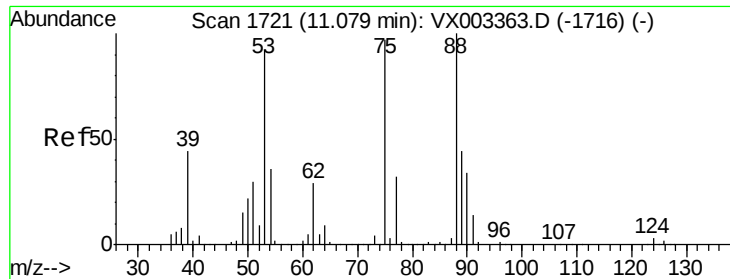
120 49.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003363.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003363.D (-1785) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 150.95 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 244905

Ion Ratio Lower Upper

75 100

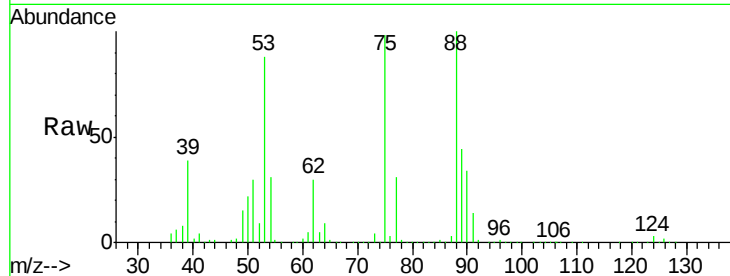
53 91.7 86.8 130.2

89 45.9 38.2 57.2

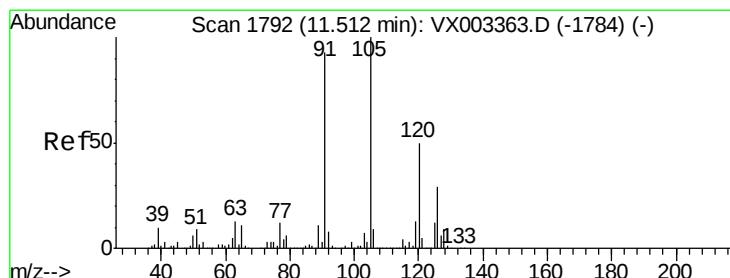
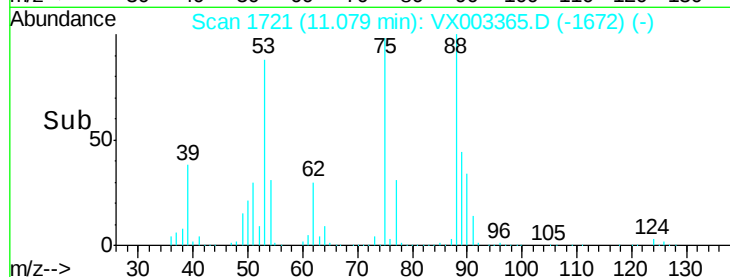
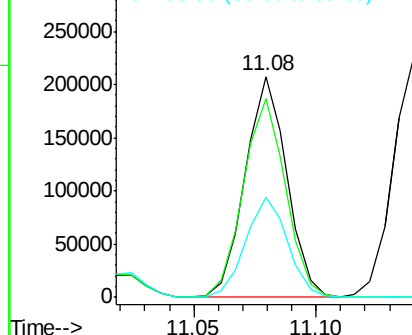
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 130.94 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003365.D

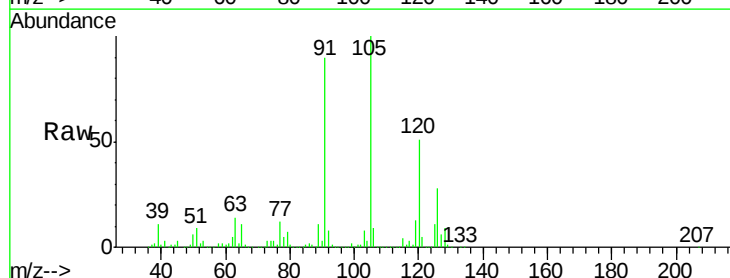
Acq: 13 Jul 2018 13:45

Tgt Ion: 91 Resp: 2006090

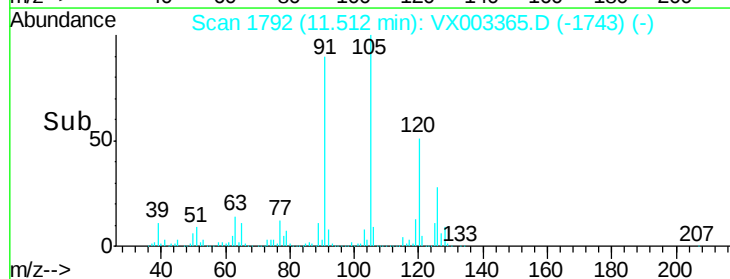
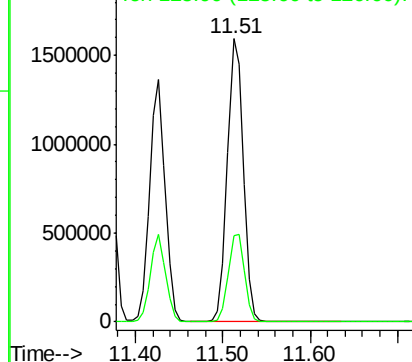
Ion Ratio Lower Upper

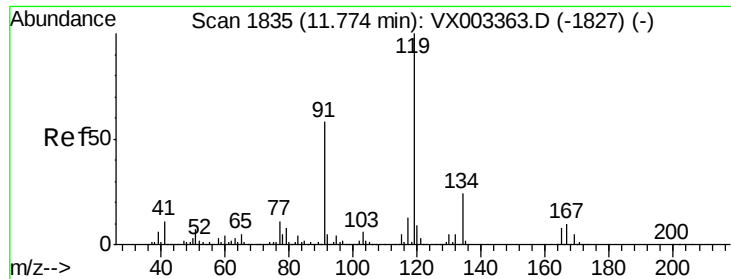
91 100

126 31.7 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





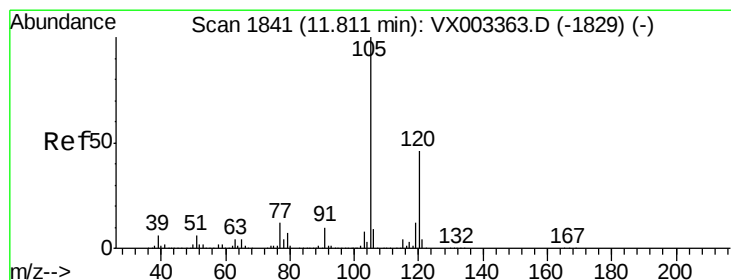
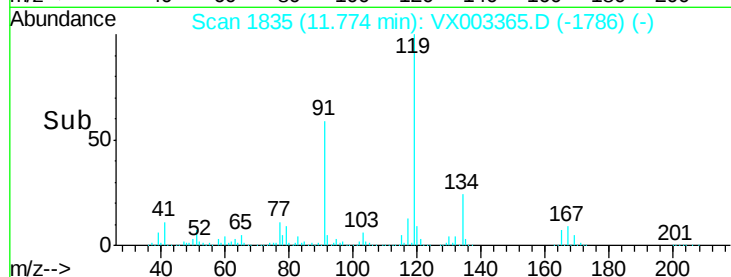
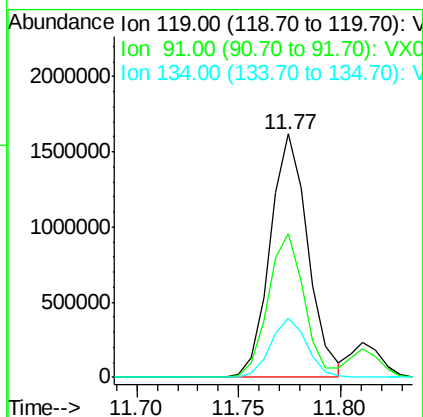
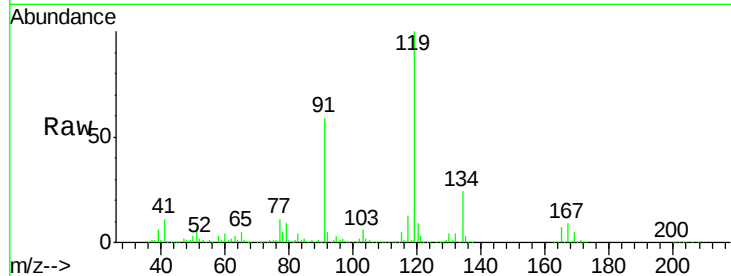
#83
tert-Butylbenzene
Concen: 129.21 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 2081966
Ion Ratio Lower Upper
119 100
91 56.9 30.3 90.9
134 23.4 11.7 35.1

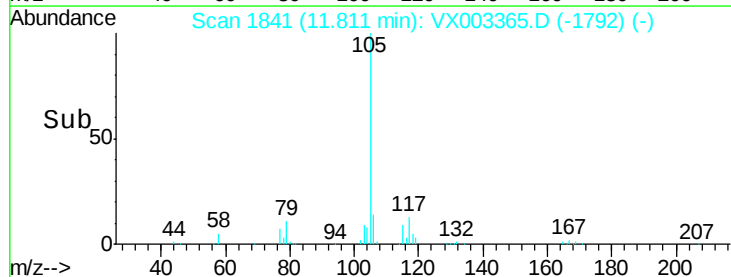
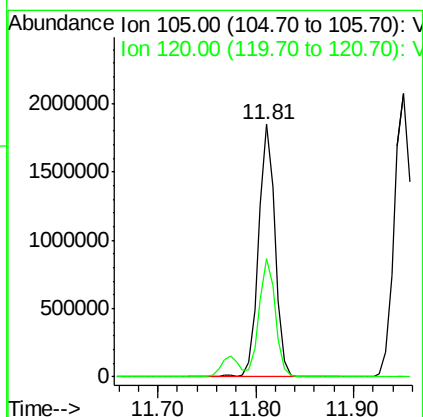
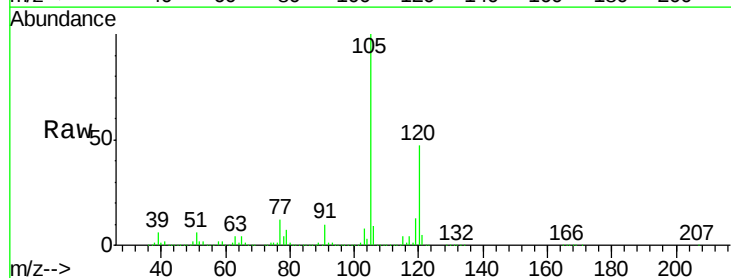
Manual Integrations
APPROVED

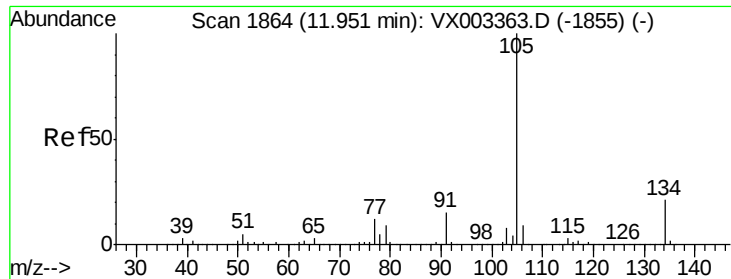
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#84
1,2,4-Trimethylbenzene
Concen: 129.43 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion:105 Resp: 2138036
Ion Ratio Lower Upper
105 100
120 46.3 22.3 66.8





#85

sec-Butylbenzene

Concen: 130.26 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2480688

Ion Ratio Lower Upper

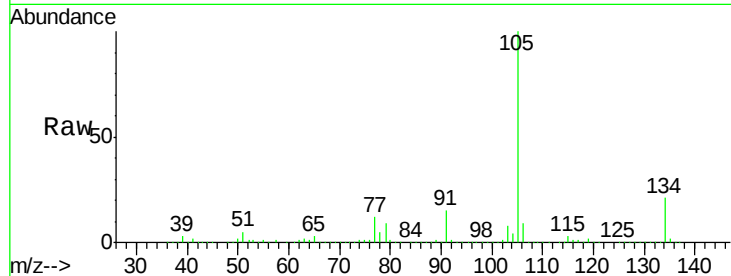
105 100

134 20.8 10.4 31.1

Manual Integrations
APPROVED

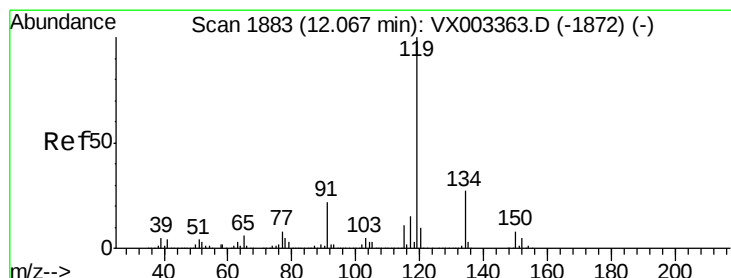
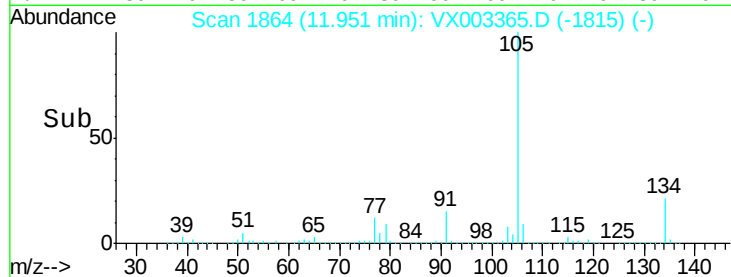
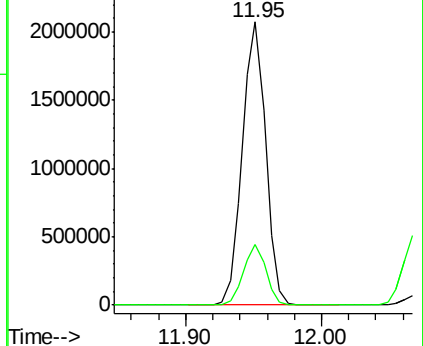
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 128.90 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

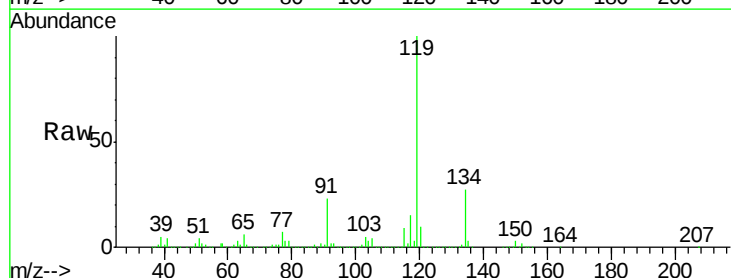
Tgt Ion:119 Resp: 2236595

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

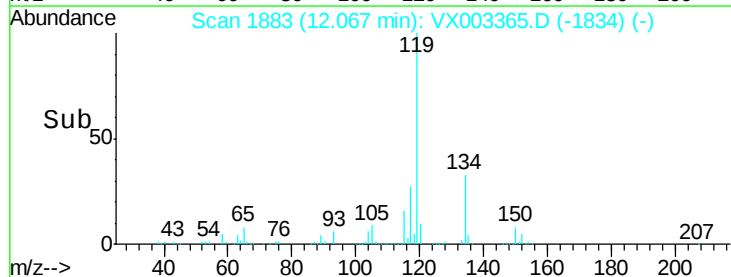
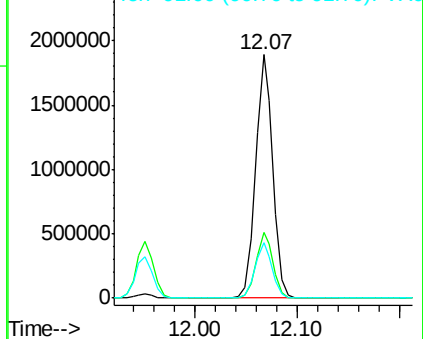
91 22.5 11.9 35.7

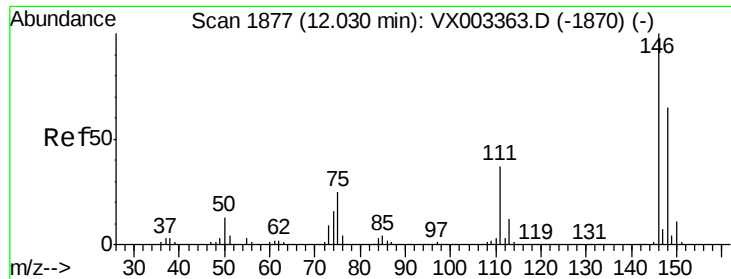


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 121.45 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1246034

Ion Ratio Lower Upper

146 100

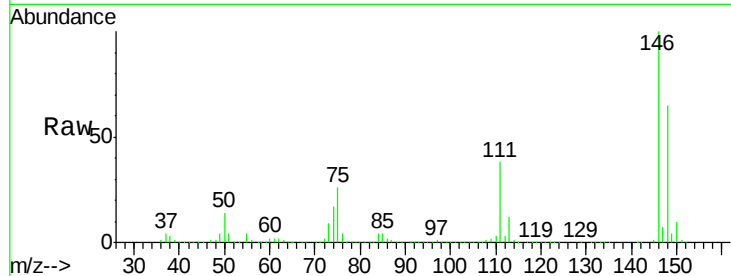
111 37.8 18.9 56.7

148 64.5 32.1 96.3

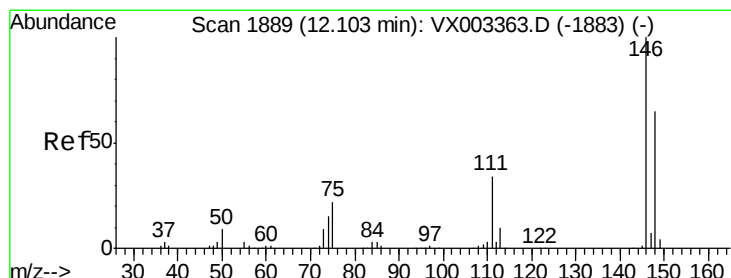
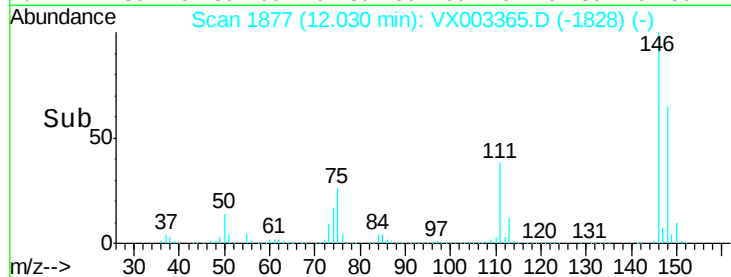
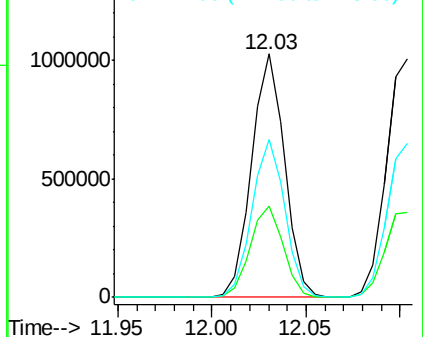
Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 121.00 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

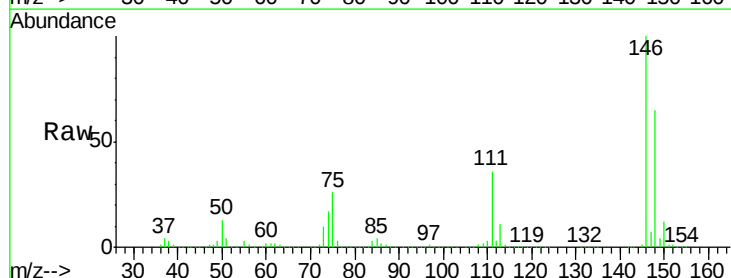
Tgt Ion:146 Resp: 1256776

Ion Ratio Lower Upper

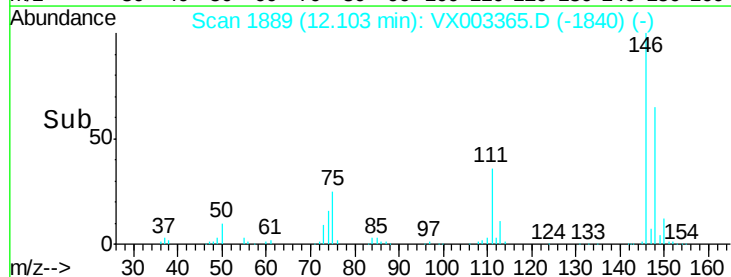
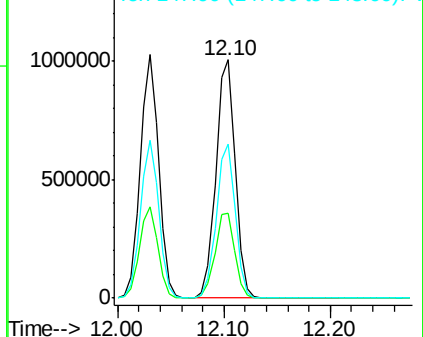
146 100

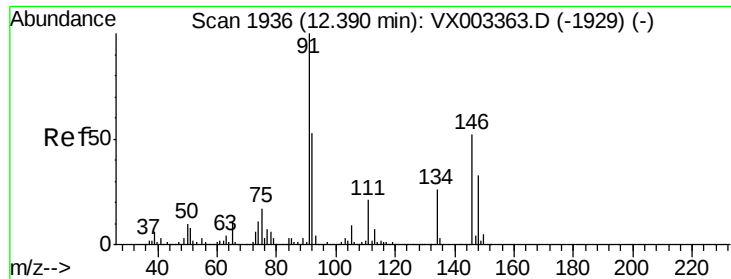
111 36.4 18.7 56.1

148 64.1 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





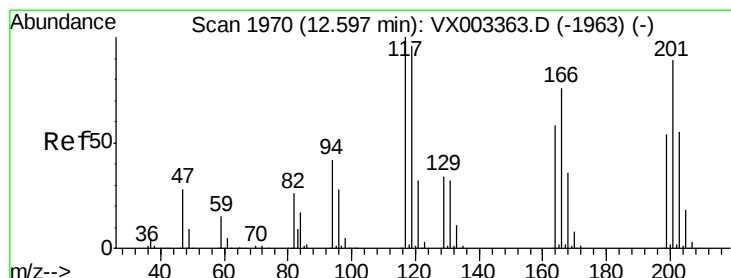
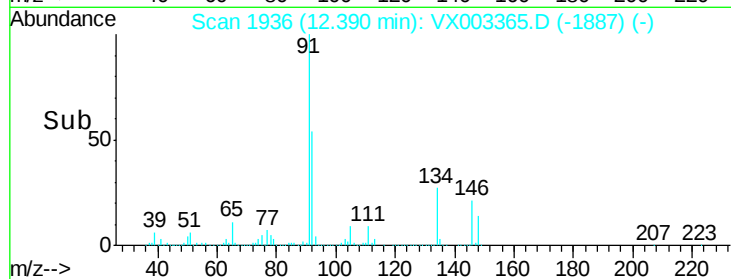
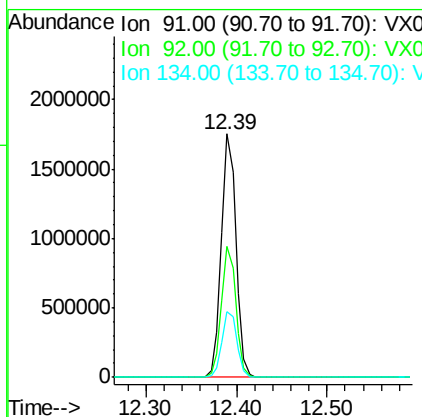
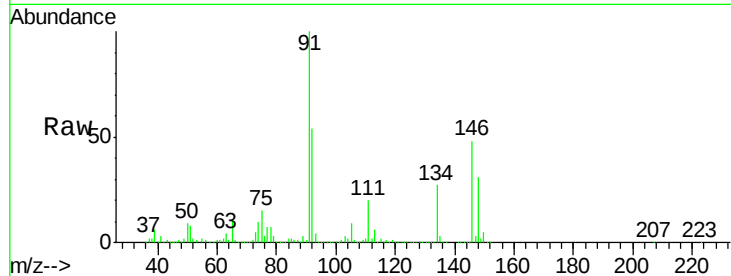
#89
n-Butylbenzene
Concen: 136.63 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1980721
Ion Ratio Lower Upper
91 100
92 53.2 26.0 78.0
134 27.6 13.5 40.5

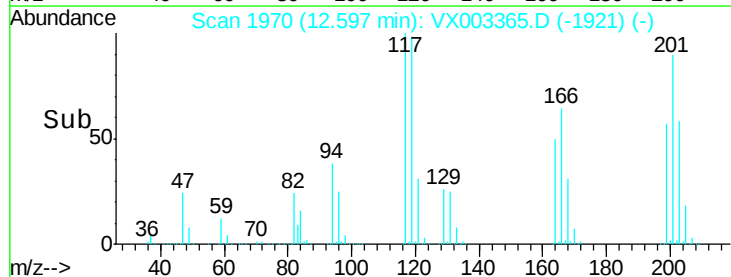
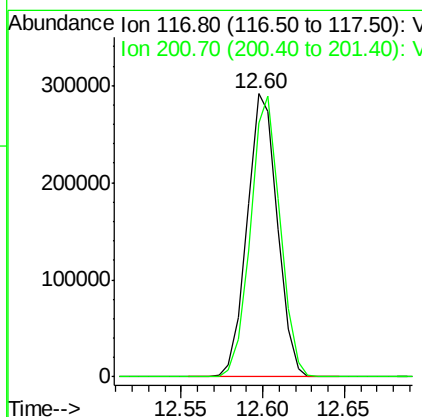
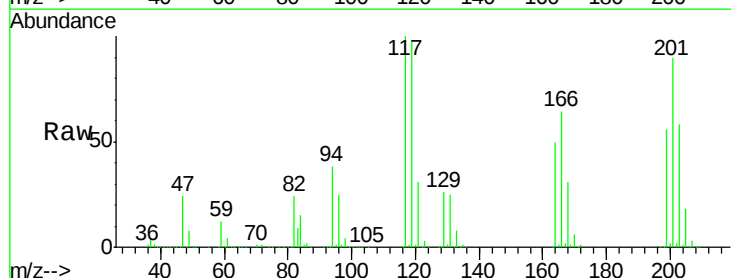
Manual Integrations
APPROVED

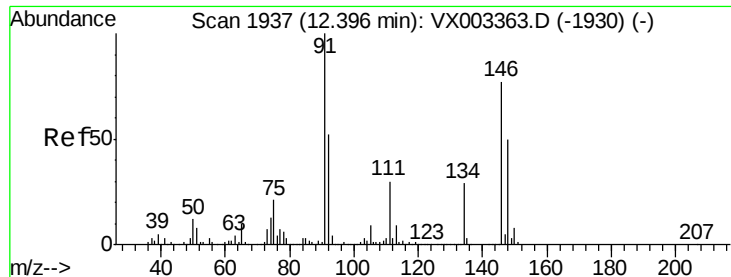
MMDadoda
7/16/2018 11:24:43 AM



#90
Hexachloroethane
Concen: 142.37 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003365.D
Acq: 13 Jul 2018 13:45

Tgt Ion: 117 Resp: 377147
Ion Ratio Lower Upper
117 100
201 96.8 49.0 147.0





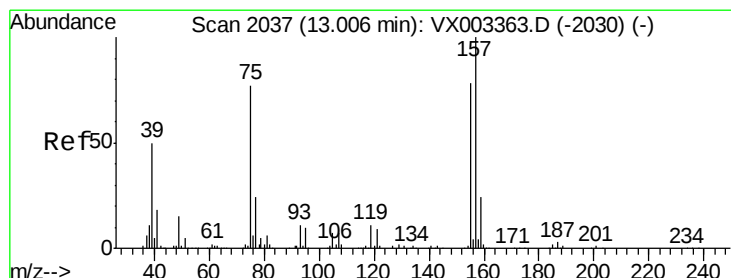
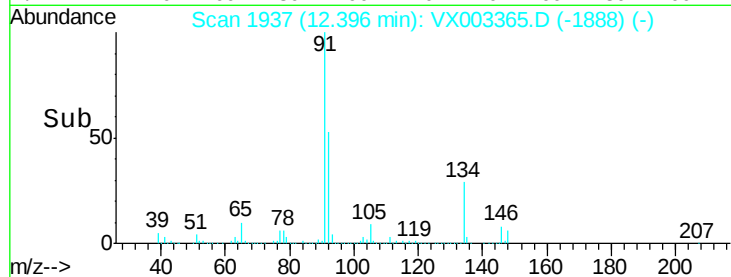
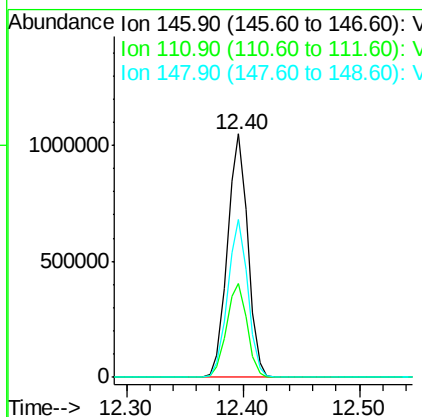
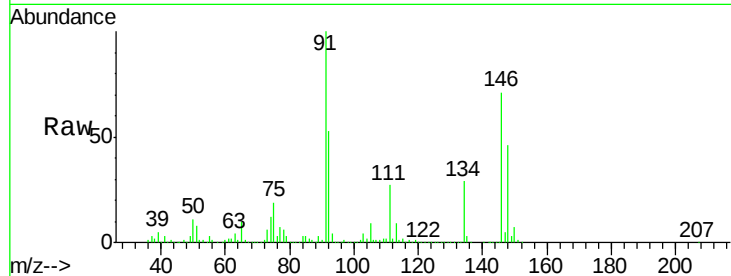
#91
 1,2-Dichlorobenzene
 Concen: 123.05 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003365.D
 Acq: 13 Jul 2018 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	64.4	31.7	95.1

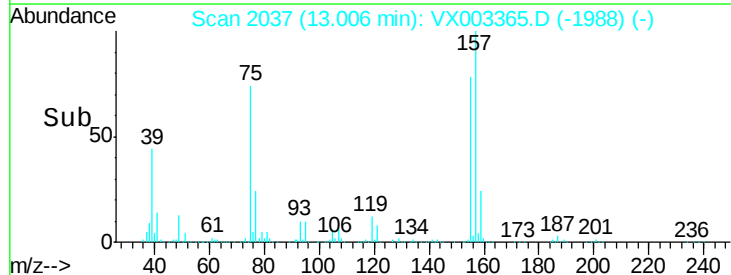
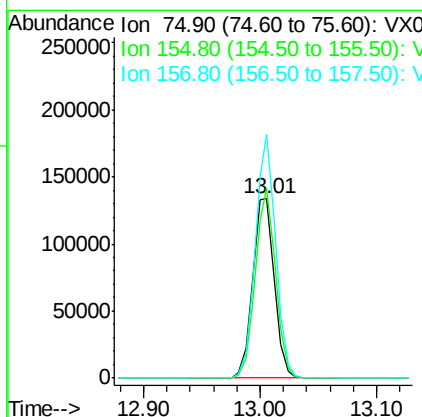
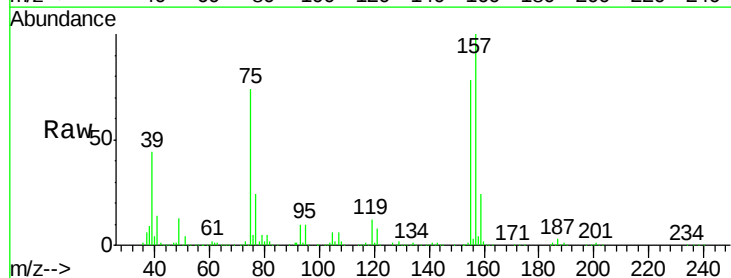
Manual Integrations
 APPROVED

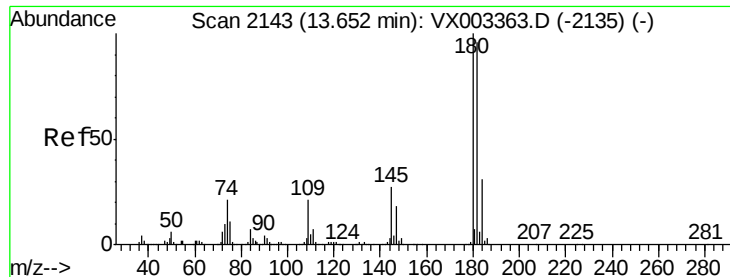
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 7/16/2018 11:24:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 133.71 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003365.D
 Acq: 13 Jul 2018 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	45.8	137.4
157	127.4	60.1	180.3





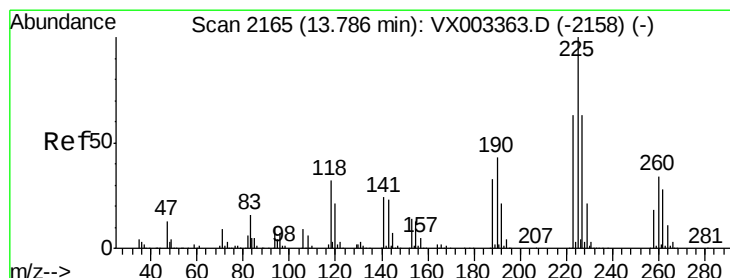
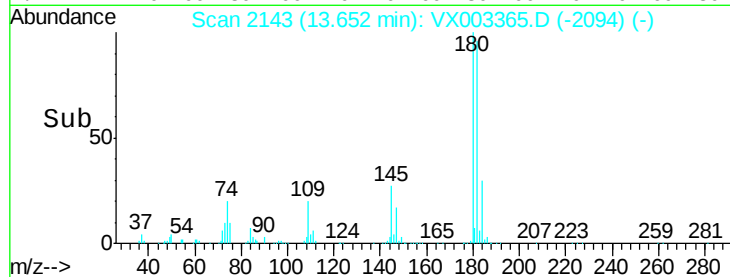
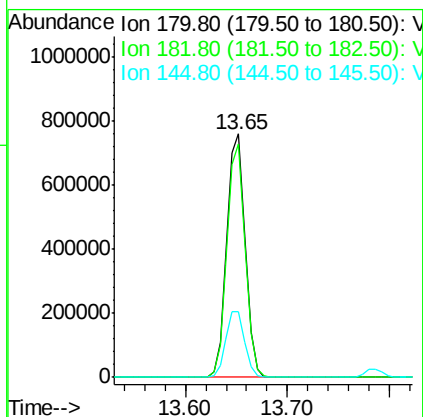
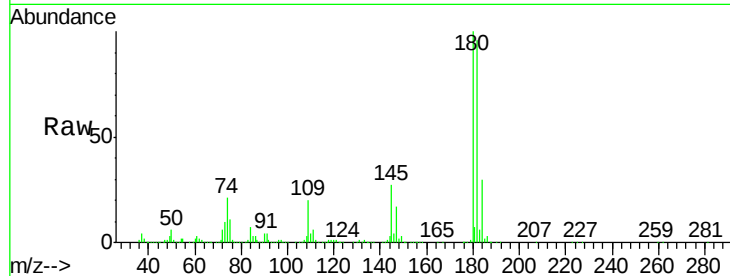
#93
 1,2,4-Trichlorobenzene
 Concen: 125.62 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003365.D
 Acq: 13 Jul 2018 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	941870		
182	95.1	47.7	143.1	
145	28.0	14.1	42.4	

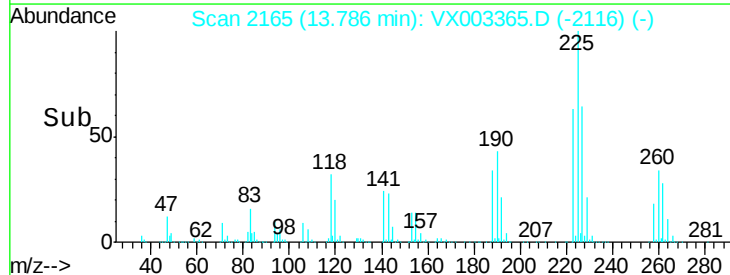
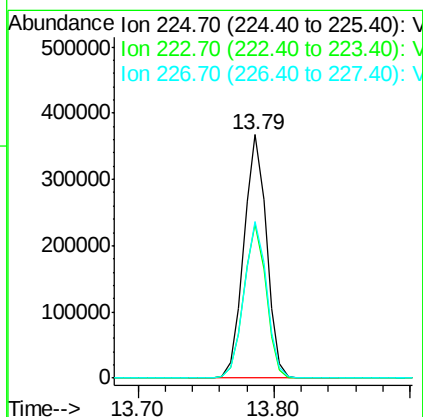
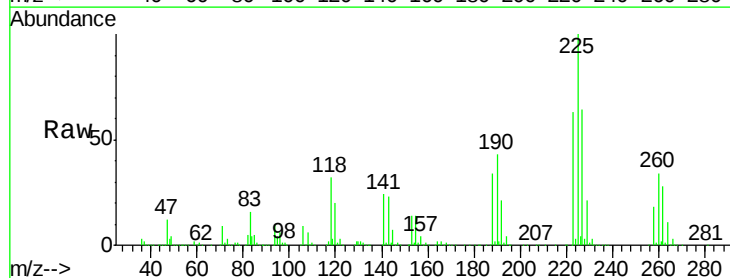
Manual Integrations
 APPROVED

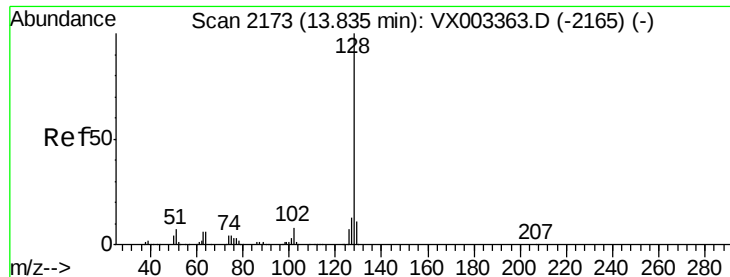
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#94
 Hexachlorobutadiene
 Concen: 114.60 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003365.D
 Acq: 13 Jul 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	427788		
223	62.5	31.6	95.0	
227	63.9	32.4	97.2	





#95

Naphthalene

Concen: 137.30 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2693345

Ion Ratio Lower Upper

128 100

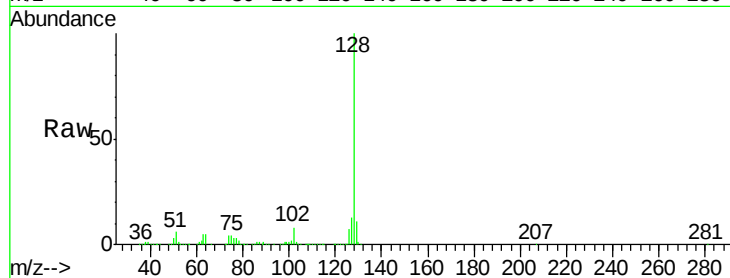
127 12.9 10.4 15.6

129 11.0 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

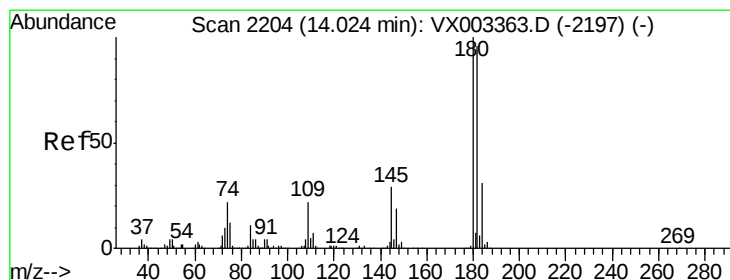
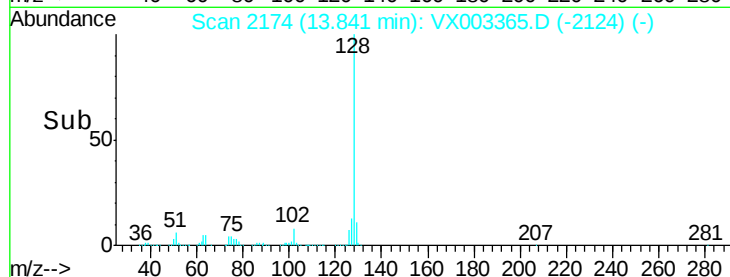
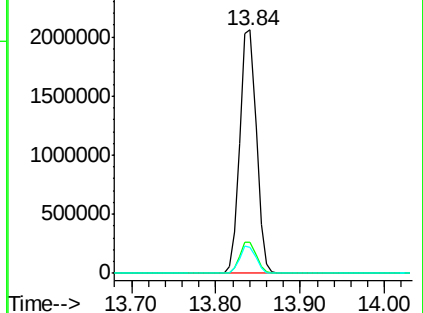
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 126.87 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003365.D

Acq: 13 Jul 2018 13:45

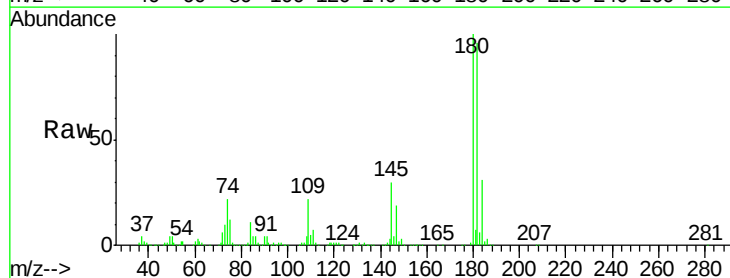
Tgt Ion:180 Resp: 948694

Ion Ratio Lower Upper

180 100

182 95.9 48.0 144.0

145 29.6 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

