

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080618\
 Data File : VX003868.D
 Acq On : 06 Aug 2018 18:13
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:13:01 PM

Quant Time: Aug 07 07:24:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 06:57:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	359629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	525366	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	498702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	274248	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	467269	100.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.44%	
35) Dibromofluoromethane	5.51	113	399913	98.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.06%	
50) Toluene-d8	8.72	98	1557092	98.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.62%	
62) 4-Bromofluorobenzene	11.14	95	571492	103.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	373185	105.66	ug/l	99
3) Chloromethane	1.32	50	472543	81.71	ug/l	100
4) Vinyl Chloride	1.40	62	483265	105.40	ug/l	99
5) Bromomethane	1.64	94	249700	101.09	ug/l	100
6) Chloroethane	1.70	64	329986	125.69	ug/l	99
7) Trichlorofluoromethane	1.92	101	636231	108.23	ug/l	99
8) Diethyl Ether	2.19	74	286125	111.70	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	389700	104.68	ug/l	99
10) Methyl Iodide	2.50	142	544604	109.49	ug/l	100
11) Tert butyl alcohol	3.09	59	566936	553.23	ug/l	100
12) 1,1-Dichloroethene	2.37	96	375037	104.09	ug/l	97
13) Acrolein	2.29	56	290859	372.61	ug/l	100
14) Allyl chloride	2.72	41	738955	110.09	ug/l	100
15) Acrylonitrile	3.15	53	1347546	551.94	ug/l	100
16) Acetone	2.45	43	1320824	527.71	ug/l	99
17) Carbon Disulfide	2.56	76	1095450	107.61	ug/l	99
18) Methyl Acetate	2.78	43	599852	104.62	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	1359687	109.18	ug/l	99
20) Methylene Chloride	2.86	84	439346	100.53	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	411014	103.51	ug/l	99
22) Diisopropyl ether	3.87	45	1331024	104.13	ug/l	100
23) Vinyl Acetate	3.82	43	5734480	541.49	ug/l	99
24) 1,1-Dichloroethane	3.69	63	789973	109.08	ug/l	100
25) 2-Butanone	4.71	43	2118449	508.67	ug/l	99
26) 2,2-Dichloropropane	4.58	77	567566	113.98	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	469442	104.68	ug/l	97
28) Bromochloromethane	5.02	49	344748	102.73	ug/l	100
29) Tetrahydrofuran	5.17	42	1102690	519.53	ug/l	99
30) Chloroform	5.21	83	756301	101.73	ug/l	98
31) Cyclohexane	5.57	56	693806	110.51	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	656930	105.90	ug/l	99
36) 1,1-Dichloropropene	5.80	75	585083	102.85	ug/l	100
37) Ethyl Acetate	4.87	43	647472	99.94	ug/l	100
38) Carbon Tetrachloride	5.78	117	571709	101.11	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	716066	110.02	ug/l	98
40) Benzene	6.14	78	1765098	101.27	ug/l	99
41) Methacrylonitrile	5.07	41	361438	103.36	ug/l	99
42) 1,2-Dichloroethane	6.20	62	591881	101.50	ug/l	100
43) Isopropyl Acetate	6.47	43	1024398	105.39	ug/l	100
44) Trichloroethene	7.21	130	476596	101.29	ug/l	93
45) 1,2-Dichloropropane	7.52	63	452431	100.29	ug/l	99
46) Dibromomethane	7.67	93	293694	101.37	ug/l	100
47) Bromodichloromethane	7.90	83	582903	106.48	ug/l	100
48) Methyl methacrylate	7.78	41	535605	109.07	ug/l	99
49) 1,4-Dioxane	7.76	88	247303	2127.91	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	4270530	527.43	ug/l	98
52) Toluene	8.79	92	1141650	105.96	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	689435	115.09	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	712794	109.04	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	455277	100.63	ug/l	99
56) Ethyl methacrylate	9.18	69	738947	116.54	ug/l	100
57) 1,3-Dichloropropane	9.37	76	776928	105.77	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	1777569	548.94	ug/l	100
59) 2-Hexanone	9.50	43	3271188	529.78	ug/l	98
60) Dibromochloromethane	9.59	129	470006	106.87	ug/l	99
61) 1,2-Dibromoethane	9.68	107	479644	104.07	ug/l	99
64) Tetrachloroethene	9.34	164	448479	97.13	ug/l	96
65) Chlorobenzene	10.14	112	1227263	98.71	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	454994	104.29	ug/l	99
67) Ethyl Benzene	10.26	91	2080273	104.04	ug/l	98
68) m/p-Xylenes	10.36	106	1703018	218.40	ug/l	95
69) o-Xylene	10.70	106	837323	111.81	ug/l	96
70) Styrene	10.71	104	1424495	115.59	ug/l	98
71) Bromoform	10.86	173	387817	109.37	ug/l	97
73) Isopropylbenzene	11.02	105	2162919	118.06	ug/l	99
74) N-amyl acetate	6.47	43	1024398	114.05	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	707679	110.28	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	626119m	112.60	ug/l	
77) Bromobenzene	11.26	156	562061	112.32	ug/l	96
78) n-propylbenzene	11.36	91	2374050	116.37	ug/l	96
79) 2-Chlorotoluene	11.43	91	1429418	114.70	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1816736	121.41	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	235640	132.19	ug/l	92
82) 4-Chlorotoluene	11.51	91	1664680	115.40	ug/l	99
83) tert-Butylbenzene	11.77	119	1698177	111.97	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	1730889	112.19	ug/l	100
85) sec-Butylbenzene	11.95	105	1918350	108.18	ug/l	99
86) p-Isopropyltoluene	12.07	119	1752725	109.75	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	931660	99.42	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	947596	98.03	ug/l	99
89) n-Butylbenzene	12.39	91	1534114	111.33	ug/l	99
90) Hexachloroethane	12.60	117	292625	112.98	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	941048	98.64	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	148393	104.85	ug/l	100

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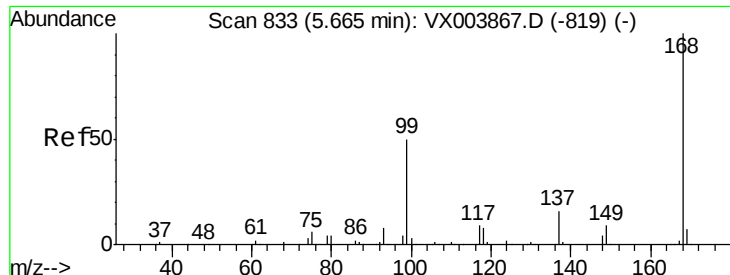
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	705783	104.34	ug/l	100
94) Hexachlorobutadiene	13.79	225	313919	96.02	ug/l	99
95) Naphthalene	13.83	128	2177415	110.98	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	707538	101.10	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: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:168 Resp: 359629

Ion Ratio Lower Upper

168 100

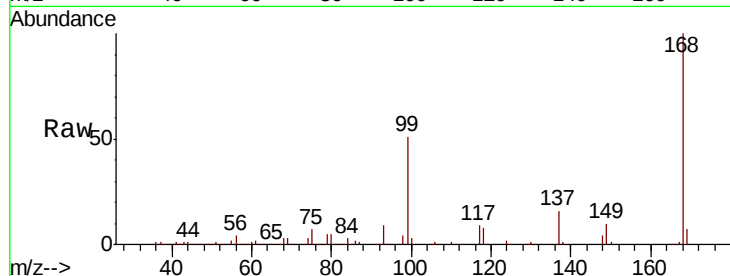
99 51.1 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

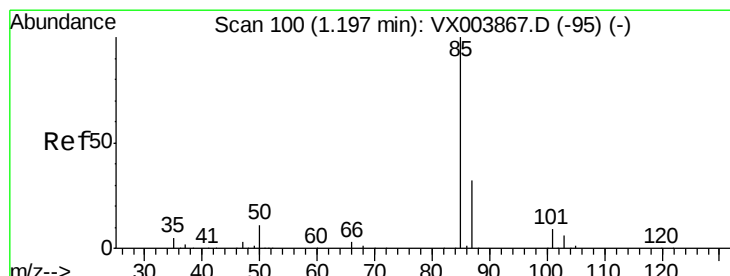
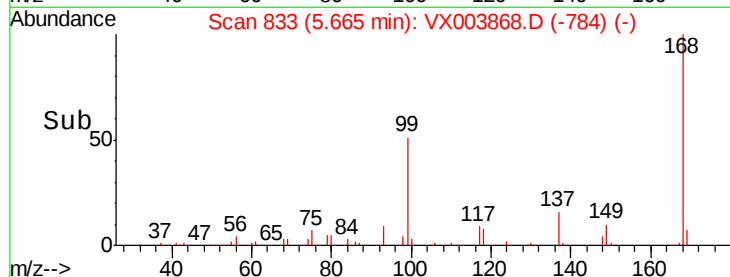
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 105.66 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX003868.D

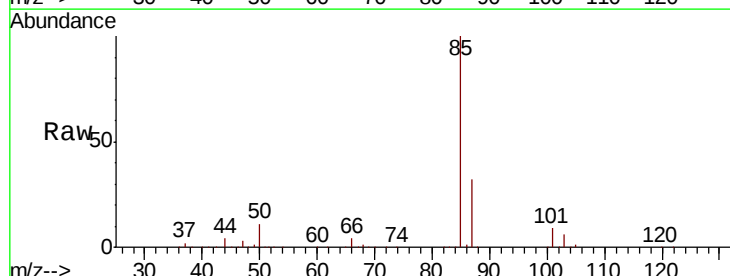
Acq: 06 Aug 2018 18:13

Tgt Ion: 85 Resp: 373185

Ion Ratio Lower Upper

85 100

87 32.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400000

300000

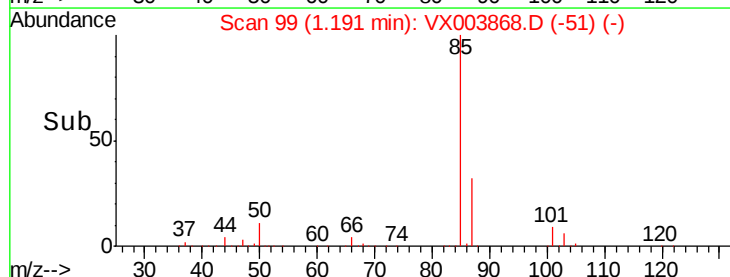
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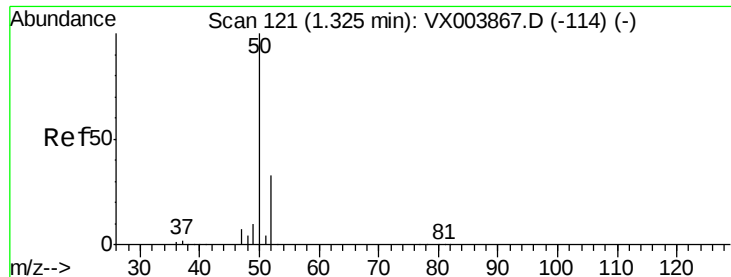
100000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 81.71 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 472543

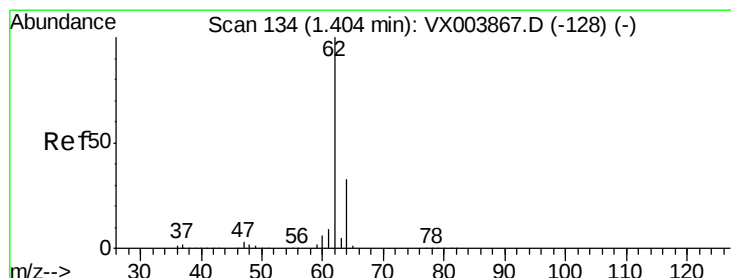
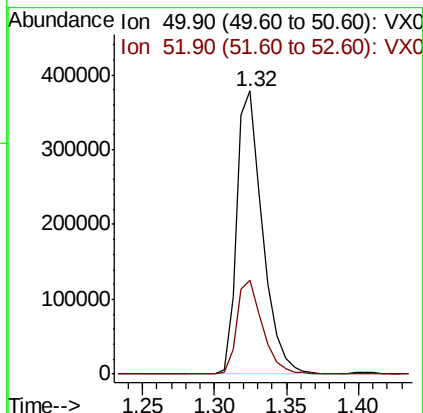
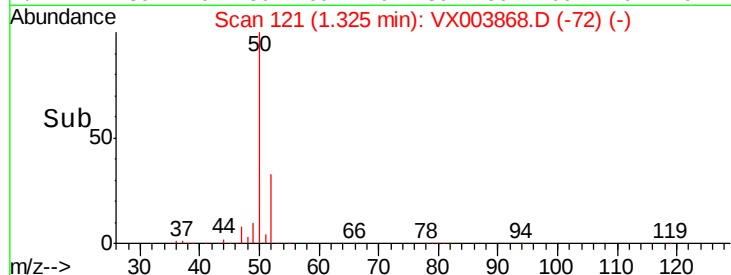
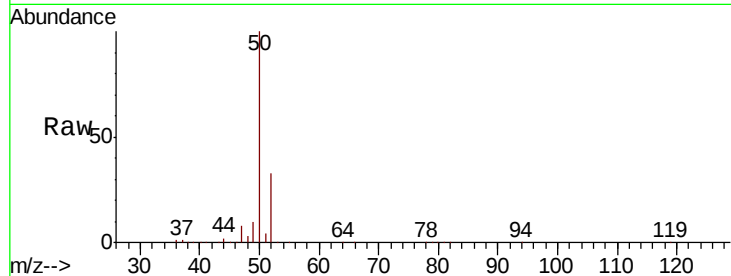
Ion Ratio Lower Upper

50 100

52 33.1 26.6 39.8

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 105.40 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003868.D

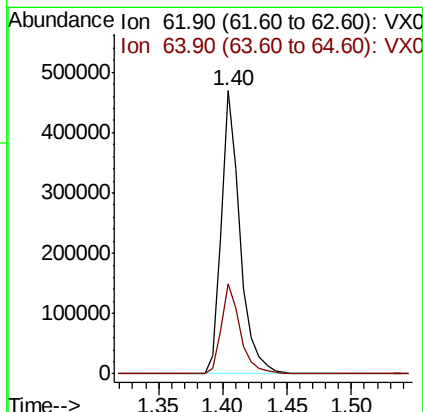
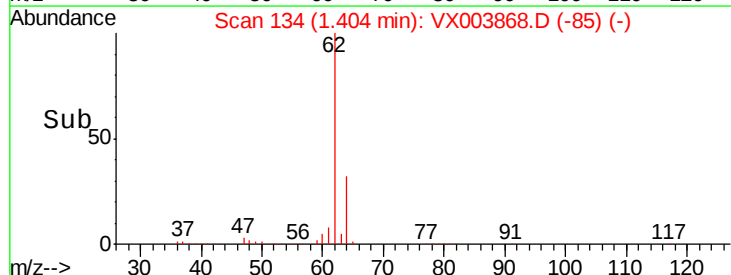
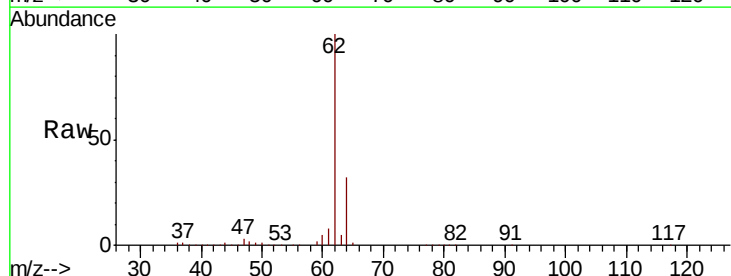
Acq: 06 Aug 2018 18:13

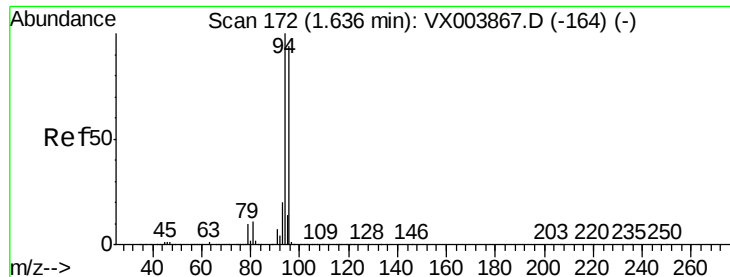
Tgt Ion: 62 Resp: 483265

Ion Ratio Lower Upper

62 100

64 31.8 26.0 39.0





#5

Bromomethane

Concen: 101.09 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 249700

Ion Ratio Lower Upper

94 100

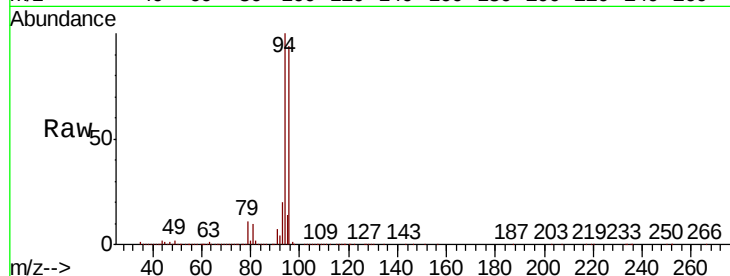
96 93.7 75.2 112.8

Manual Integrations

APPROVED

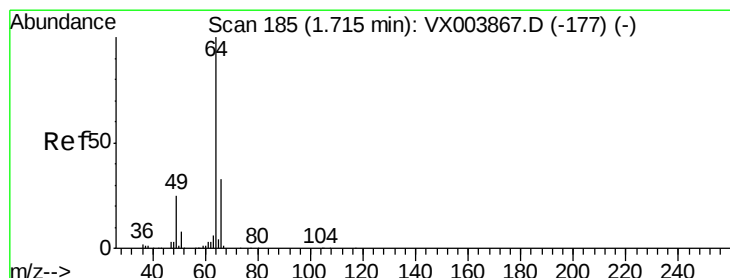
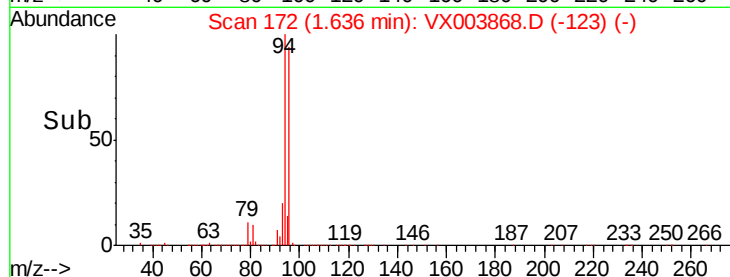
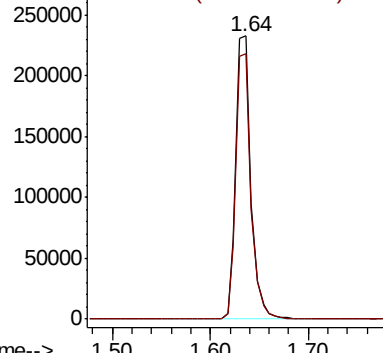
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8/7/2018 1:13:01 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 125.69 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX003868.D

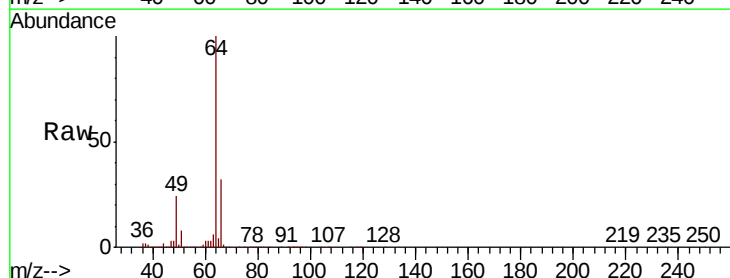
Acq: 06 Aug 2018 18:13

Tgt Ion: 64 Resp: 329986

Ion Ratio Lower Upper

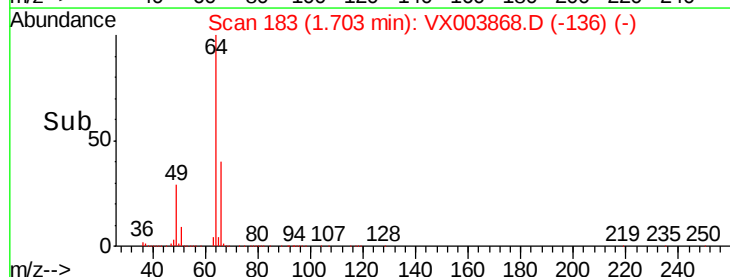
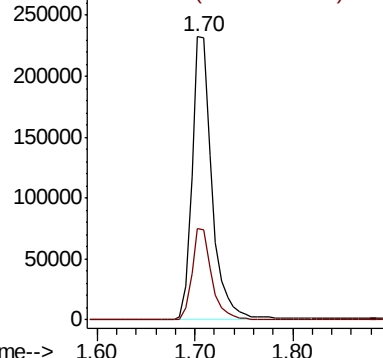
64 100

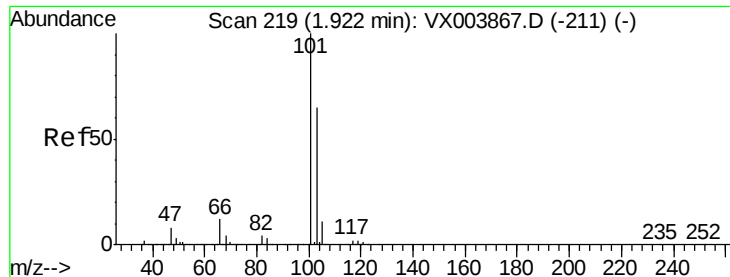
66 32.3 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

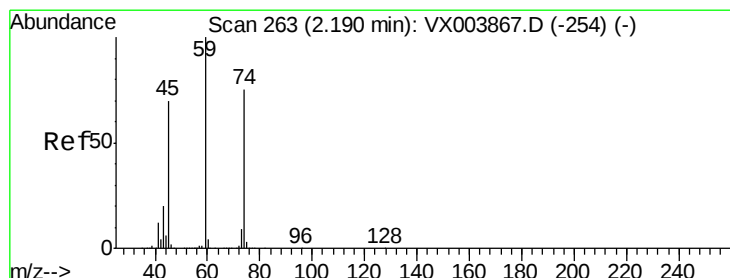
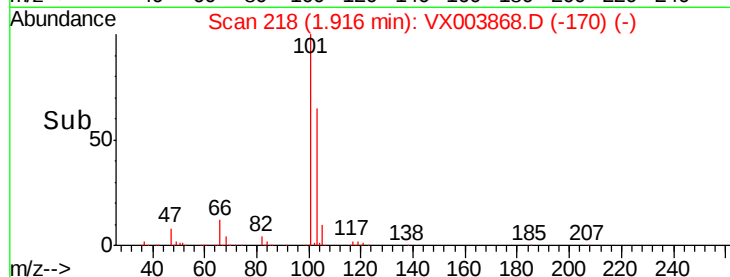
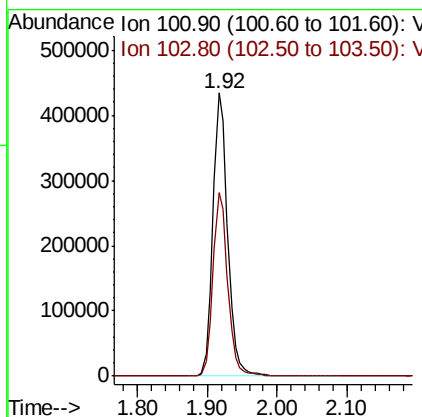
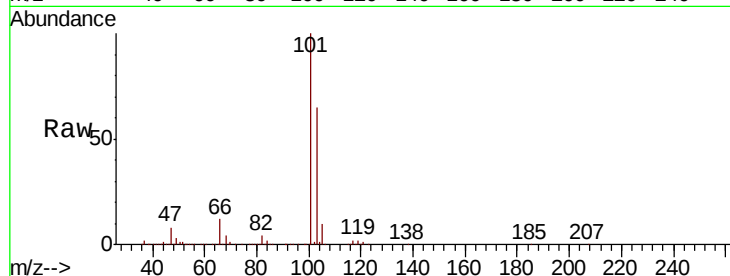
Trichlorofluoromethane
 Concen: 108.23 ug/l
 RT: 1.92 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.3	78.5

Manual Integrations
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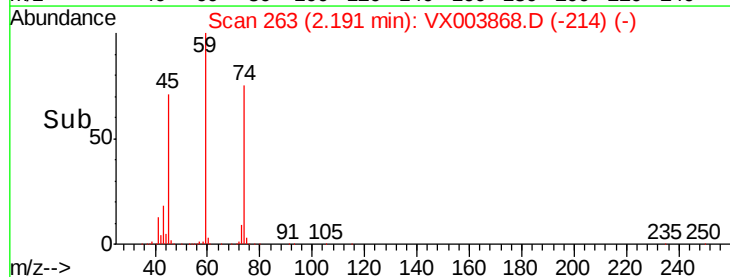
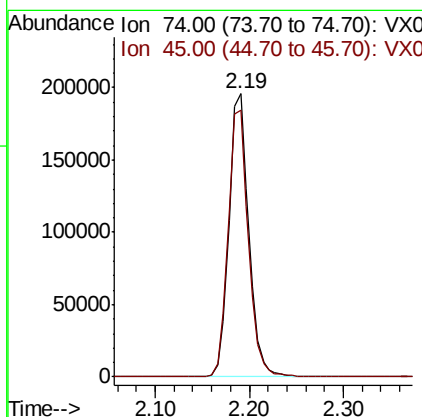
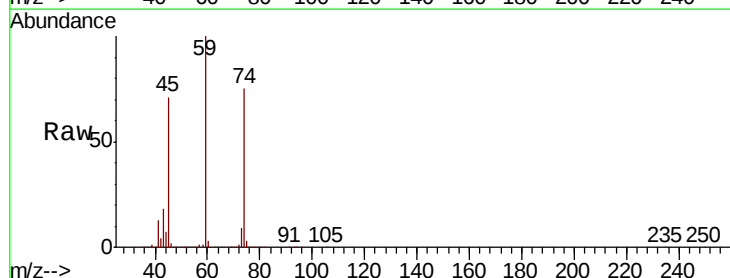
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 8/7/2018 1:13:01 PM

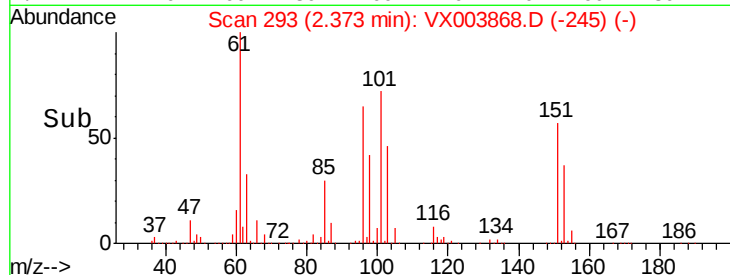
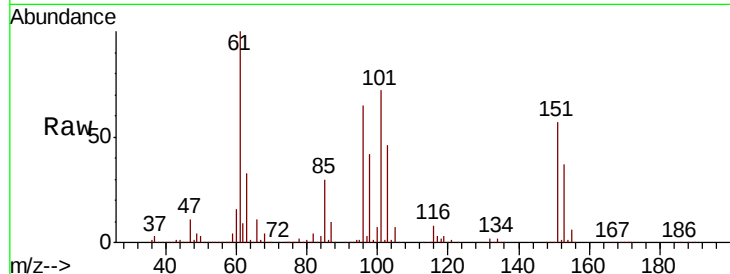
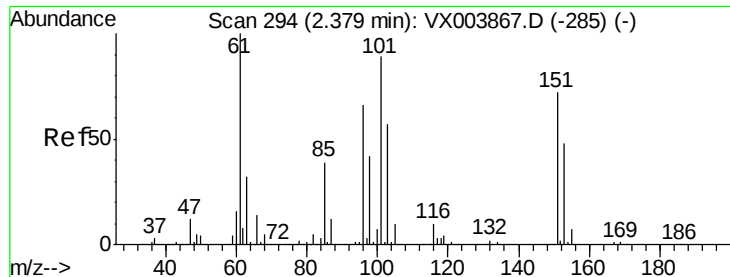


#8

Diethyl Ether
 Concen: 111.70 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.3	144.9





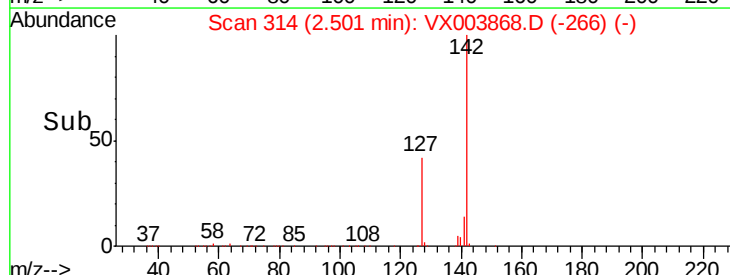
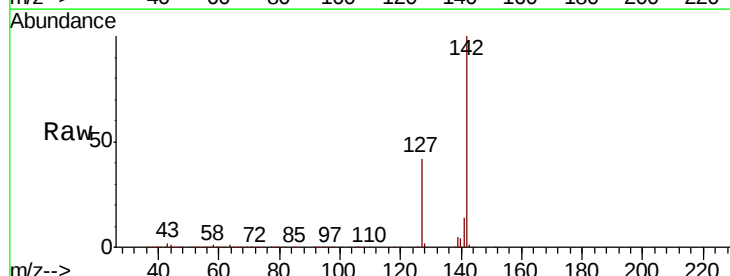
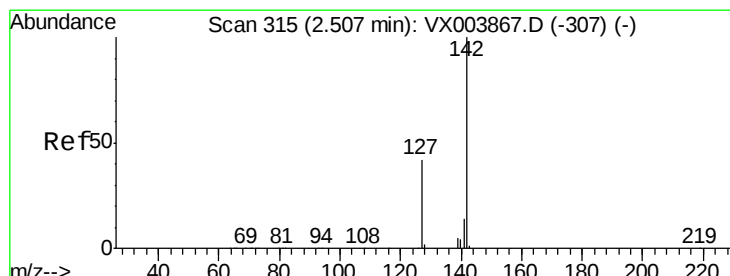
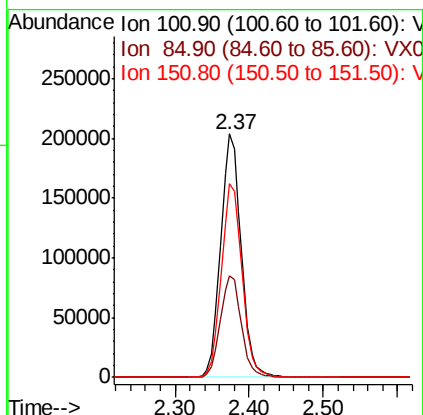
#9
1,1,2-Trichlorotrifluoroethane
Concen: 104.68 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tot Ion	Ratio	Resp	Lower	Upper
101	100	389700		
85	42.5	34.2	51.4	
151	80.3	65.0	97.4	

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

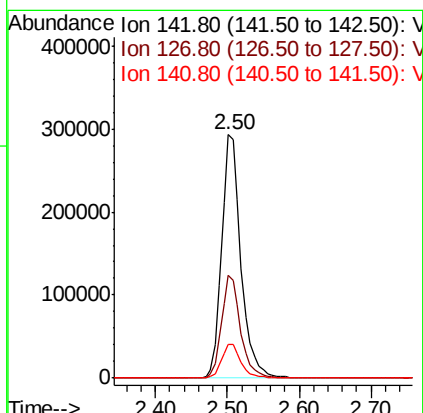
Manual Integrations
APPROVED

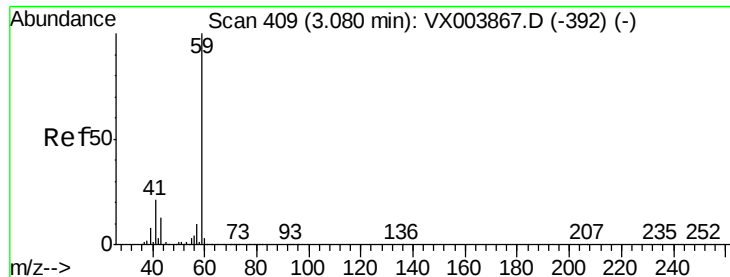
MMDadoda
8/7/2018 1:13:01 PM



#10
Methyl Iodide
Concen: 109.49 ug/l
RT: 2.50 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	544604		
127	41.5	33.1	49.7	
141	14.0	11.1	16.7	





#11

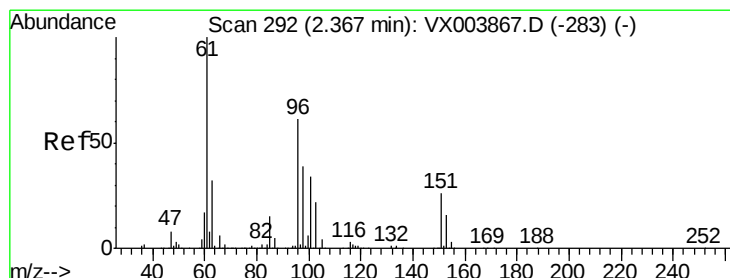
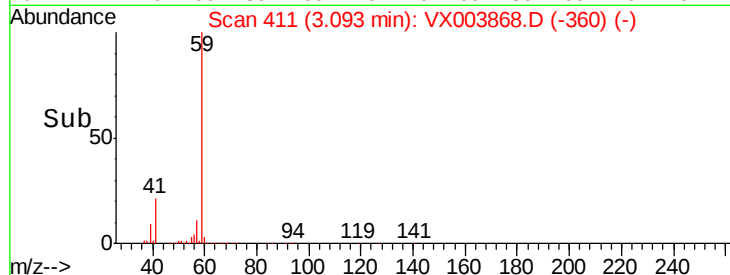
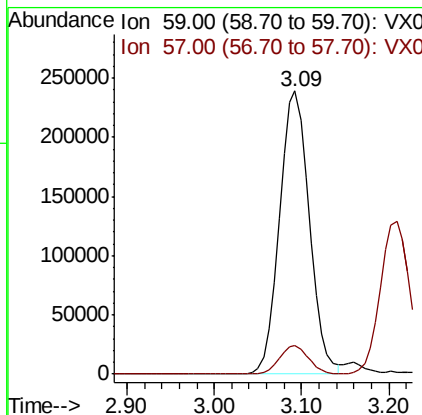
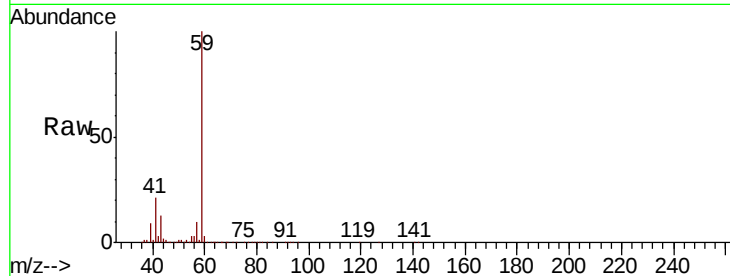
Tert butyl alcohol
Concen: 553.23 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

Manual Integrations
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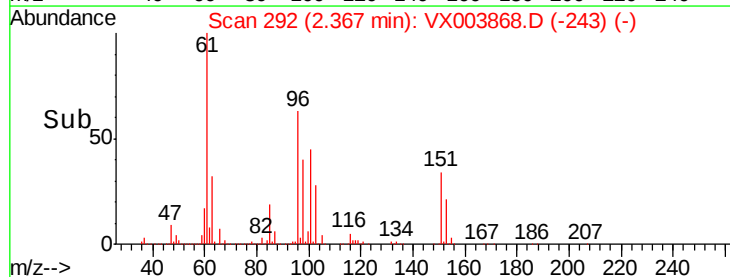
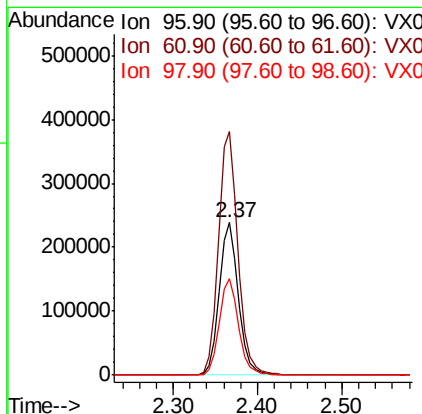
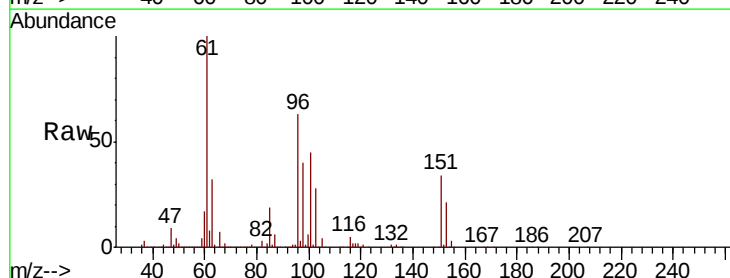
MMDadoda
8/7/2018 1:13:01 PM

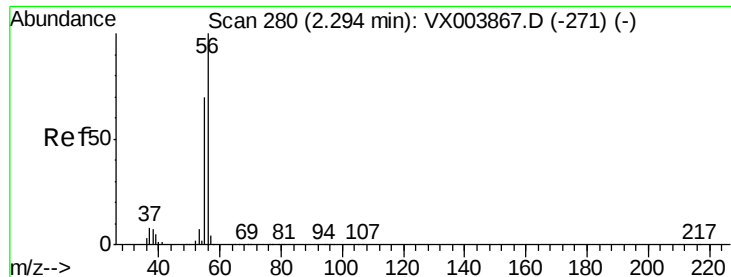


#12

1,1-Dichloroethene
Concen: 104.09 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.7	131.3	196.9
98	63.1	51.8	77.6





#13

Acrolein

Concen: 372.61 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 290859

Ion Ratio Lower Upper

56 100

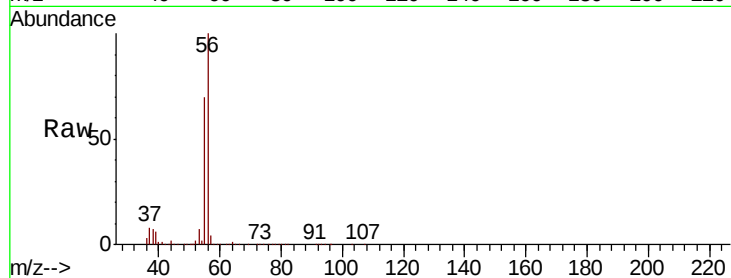
55 69.8 56.1 84.1

Manual Integrations

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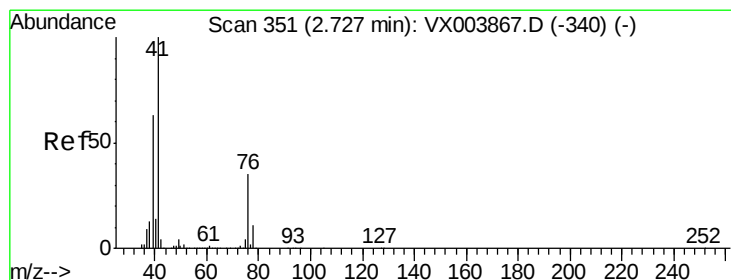
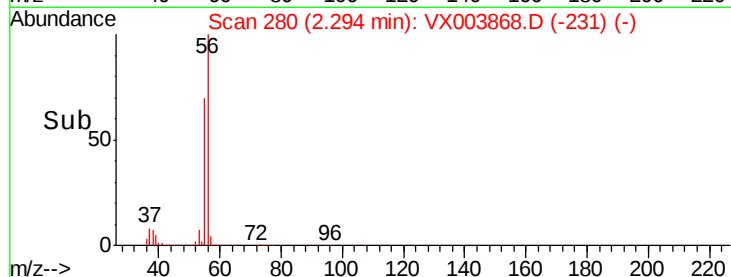
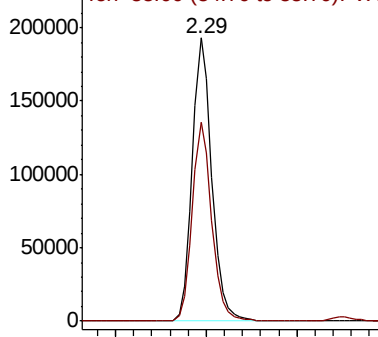
MMDadoda

8/7/2018 1:13:01 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 110.09 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

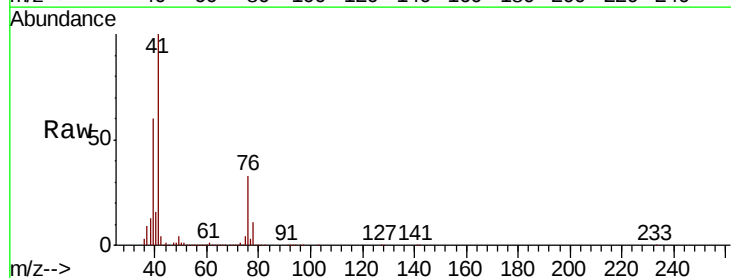
Tgt Ion: 41 Resp: 738955

Ion Ratio Lower Upper

41 100

39 59.3 47.4 71.0

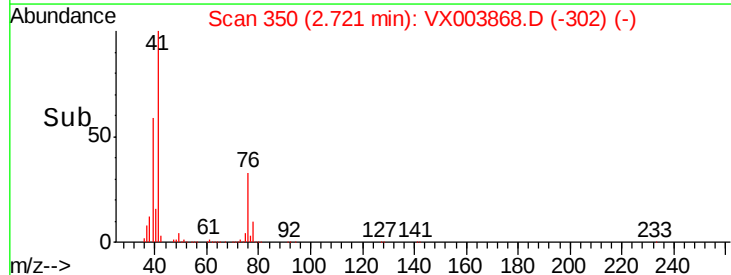
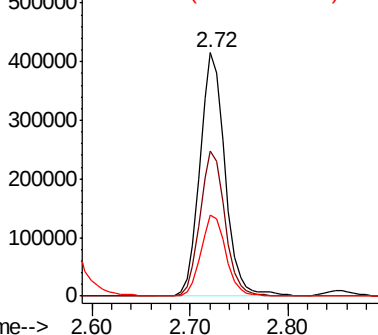
76 33.0 26.0 39.0

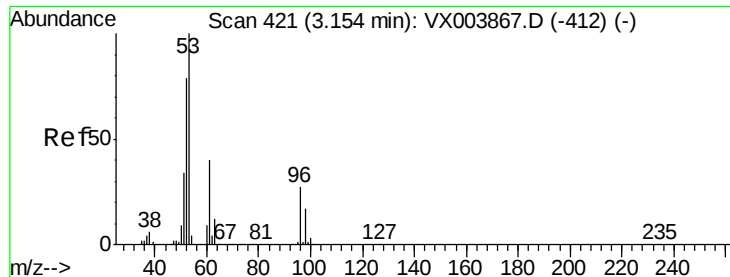


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 551.94 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1347546

Ion Ratio Lower Upper

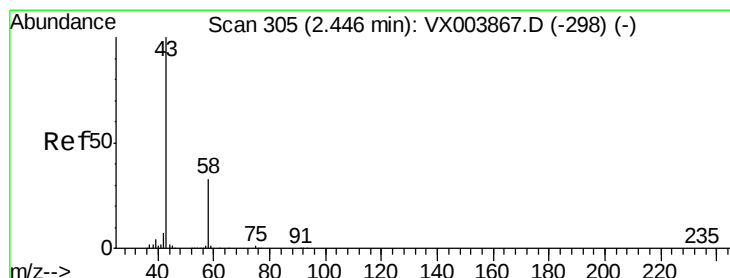
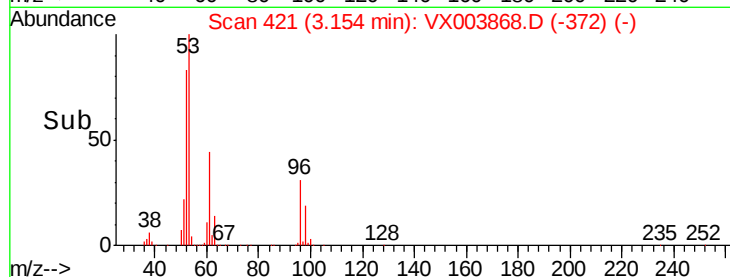
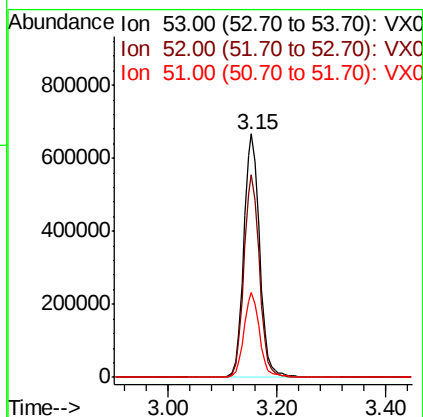
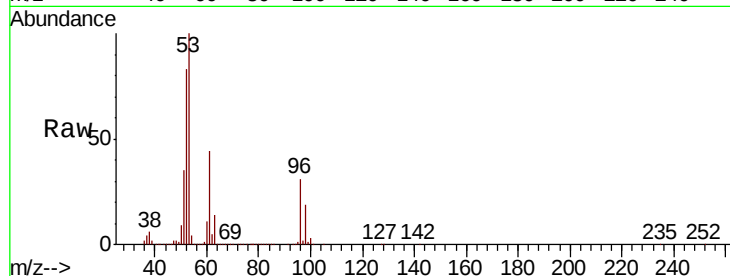
53 100

52 81.6 65.3 97.9

51 34.5 27.9 41.9

Manual Integrations
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8/7/2018 1:13:01 PM



#16

Acetone

Concen: 527.71 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003868.D

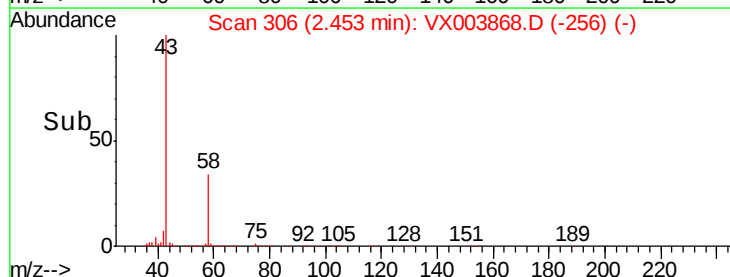
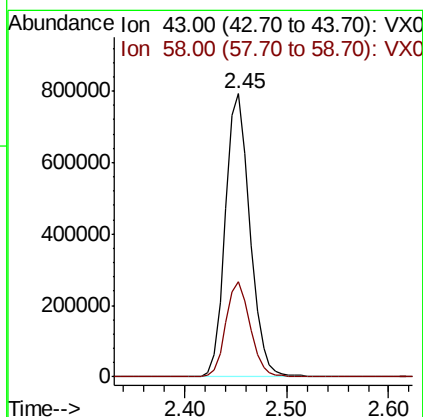
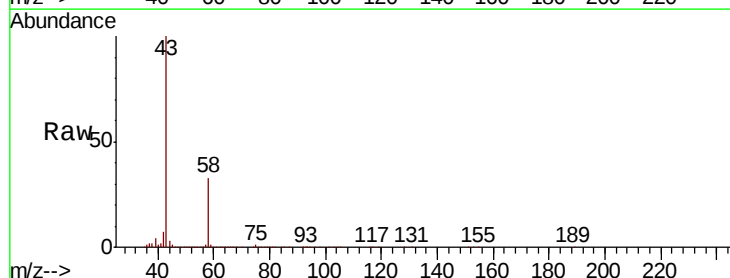
Acq: 06 Aug 2018 18:13

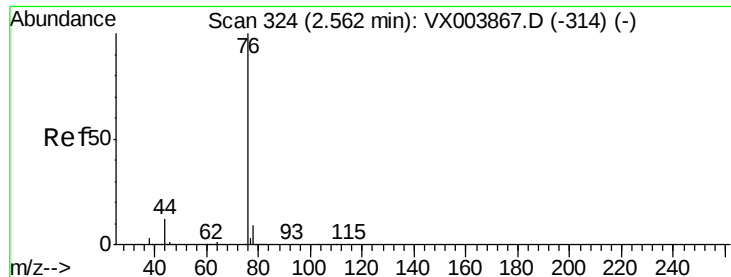
Tgt Ion: 43 Resp: 1320824

Ion Ratio Lower Upper

43 100

58 33.5 26.4 39.6





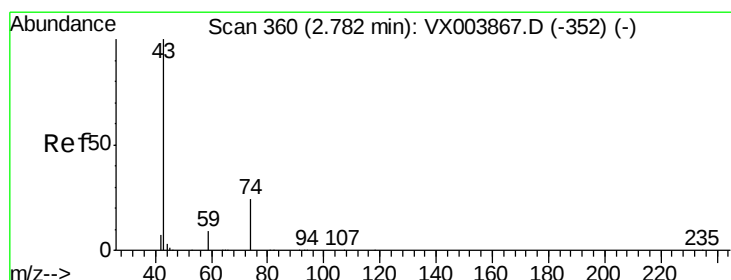
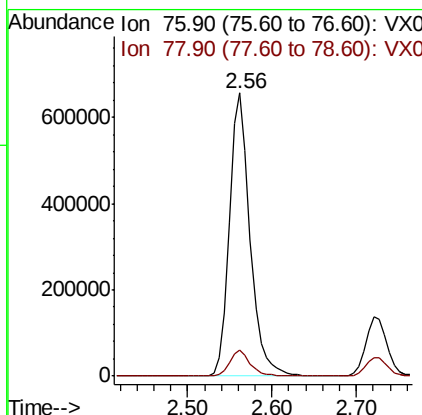
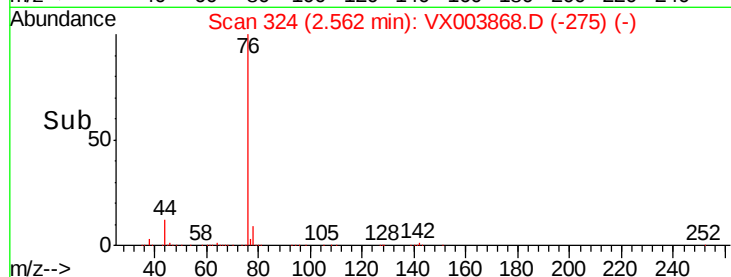
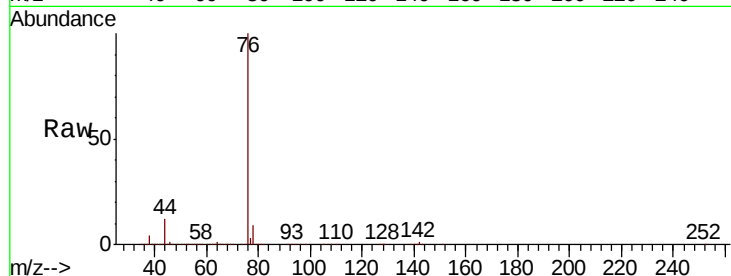
#17
Carbon Disulfide
Concen: 107.61 ug/l
RT: 2.56 min Scan# 324
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 76 Resp: 1095450
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3

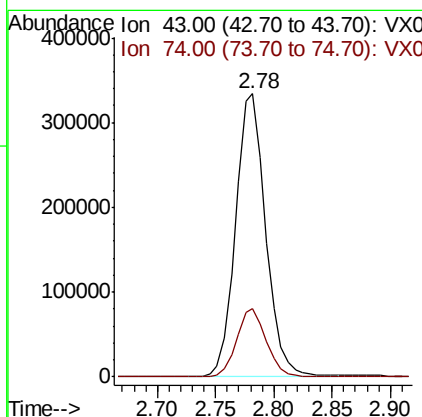
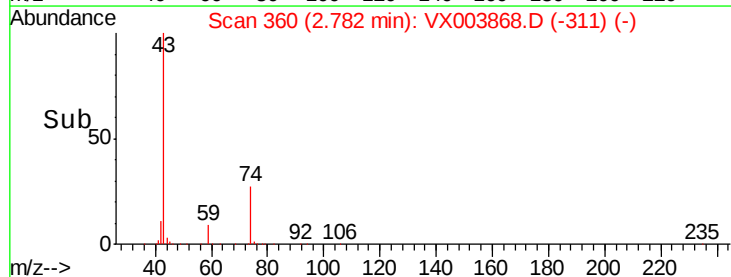
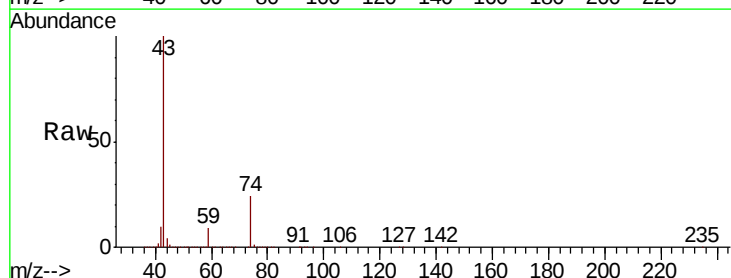
Manual Integrations
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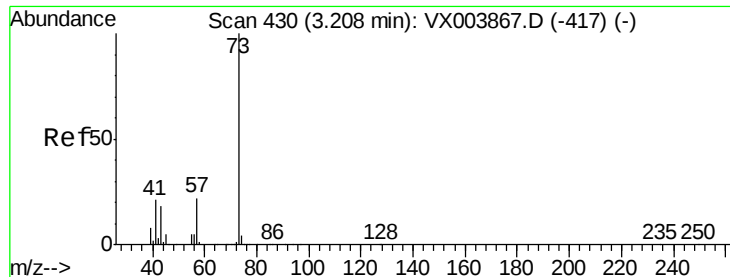
MMDadoda
8/7/2018 1:13:01 PM



#18
Methyl Acetate
Concen: 104.62 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion: 43 Resp: 599852
Ion Ratio Lower Upper
43 100
74 23.7 18.9 28.3





#19

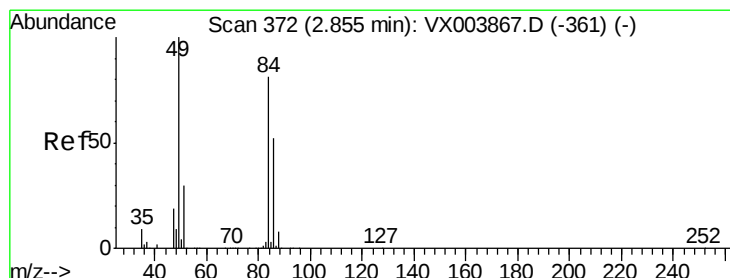
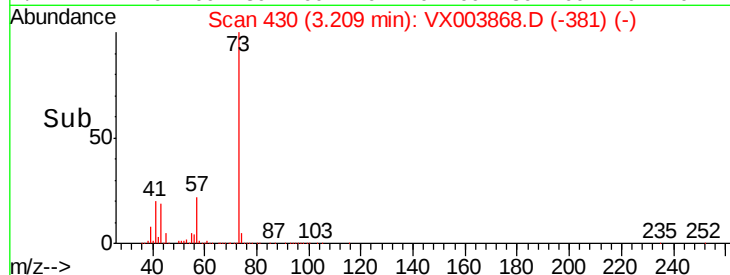
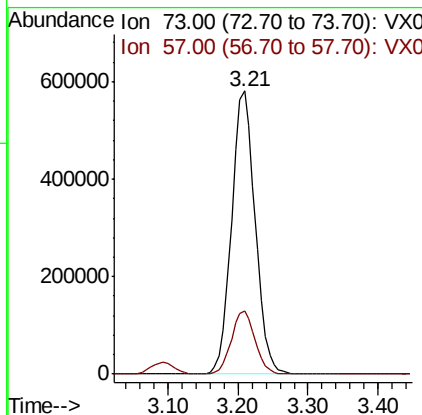
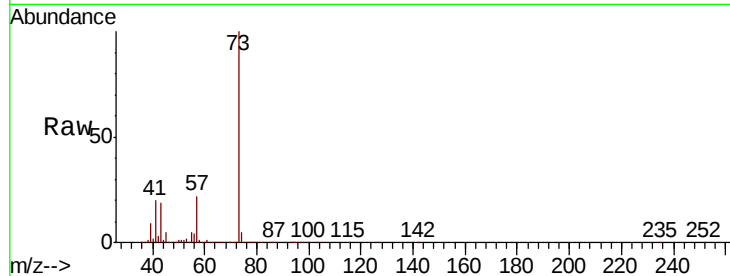
Methyl tert-butyl Ether
 Concen: 109.18 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 1359687
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.0 27.0

Manual Integrations
 APPROVED

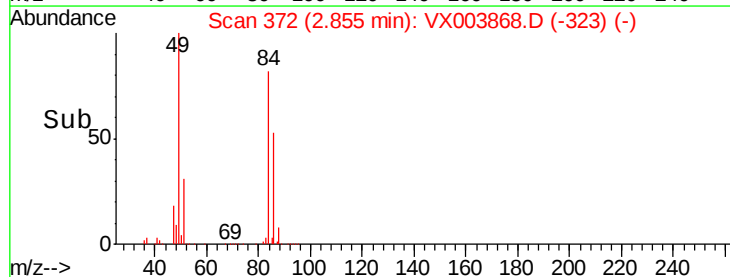
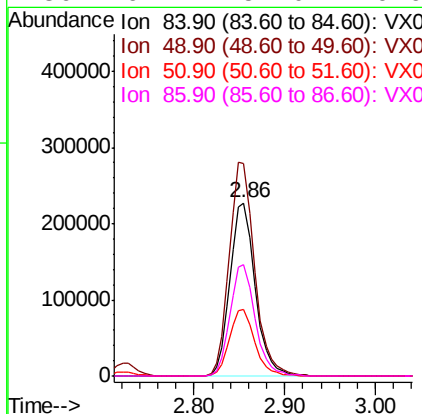
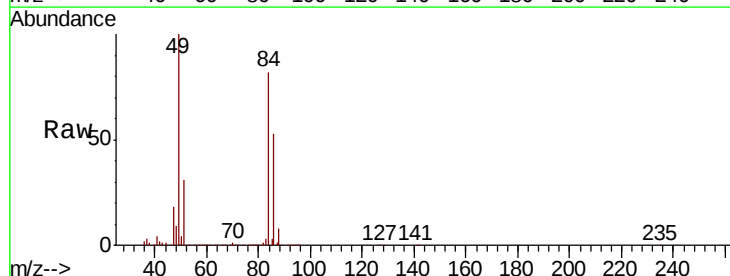
MMDadoda
 8/7/2018 1:13:01 PM

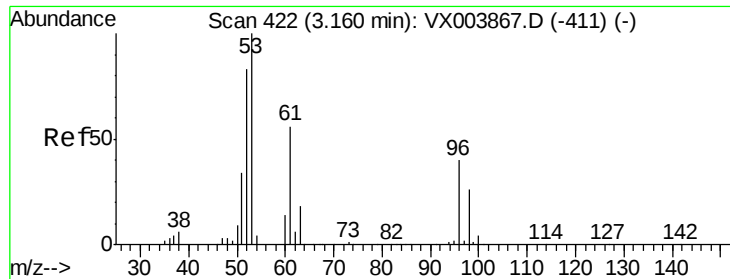


#20

Methylene Chloride
 Concen: 100.53 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Tgt Ion: 84 Resp: 439346
 Ion Ratio Lower Upper
 84 100
 49 122.4 98.9 148.3
 51 38.1 29.9 44.9
 86 64.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 103.51 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

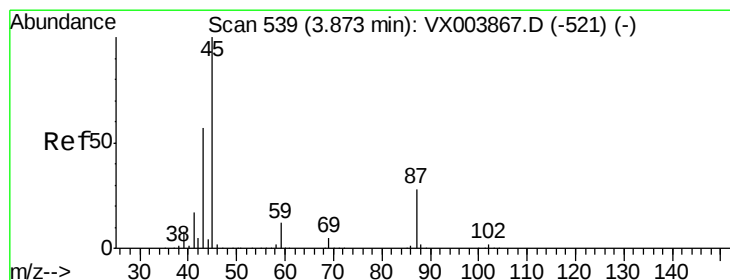
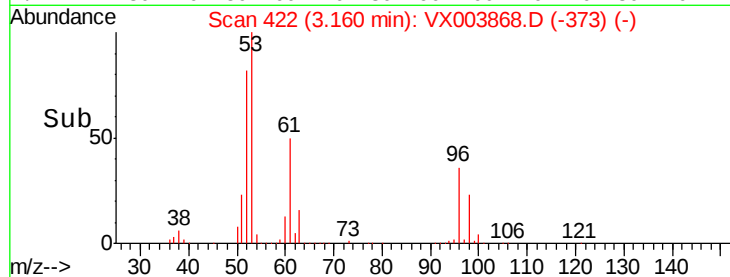
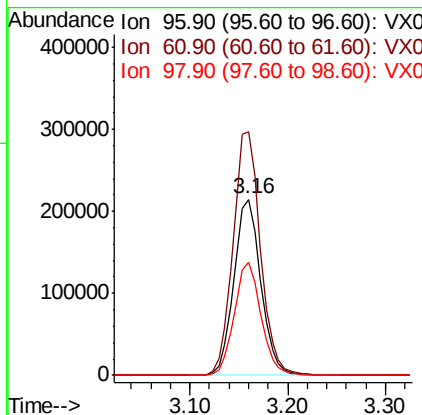
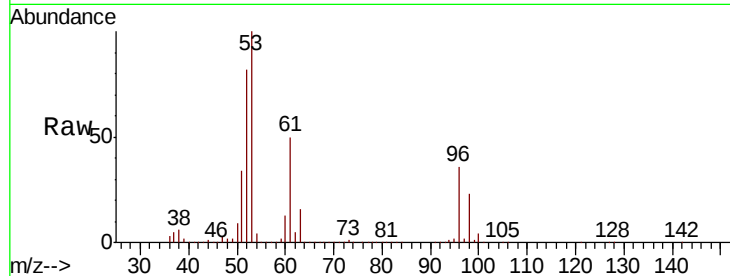
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	411014
Ion	Ratio	Lower	Upper
96	100		
61	138.4	111.8	167.6
98	64.6	51.8	77.6

Manual Integrations
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MMDadoda
8/7/2018 1:13:01 PM



#22

Diisopropyl ether

Concen: 104.13 ug/l

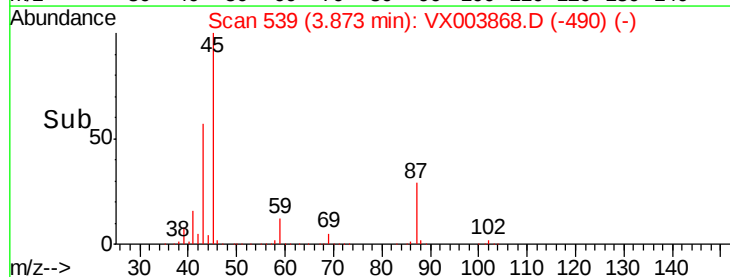
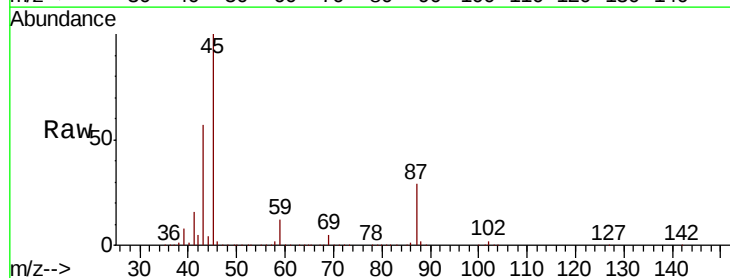
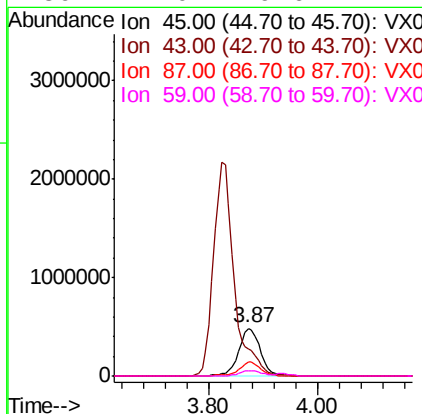
RT: 3.87 min Scan# 539

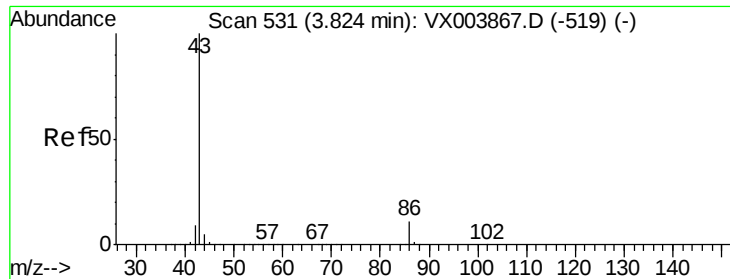
Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Tgt Ion:	45	Resp:	1331024
Ion	Ratio	Lower	Upper
45	100		
43	56.6	45.3	67.9
87	28.6	22.7	34.1
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 541.49 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 5734480

Ion Ratio Lower Upper

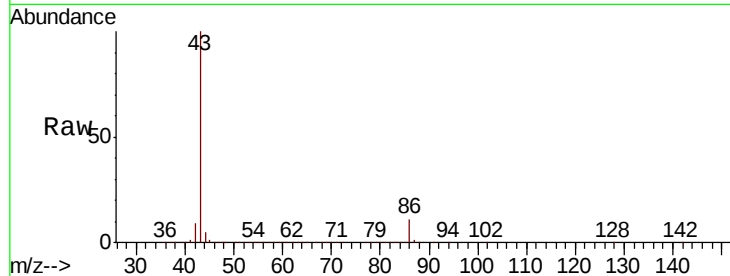
43 100

86 11.5 8.9 13.3

Manual Integrations
APPROVED

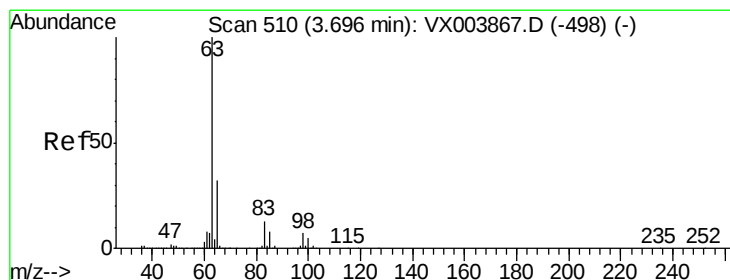
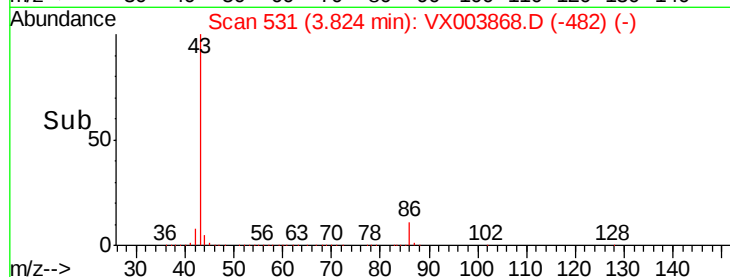
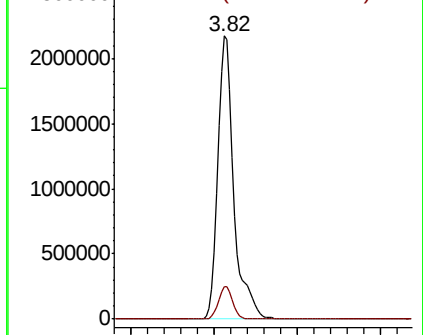
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 109.08 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

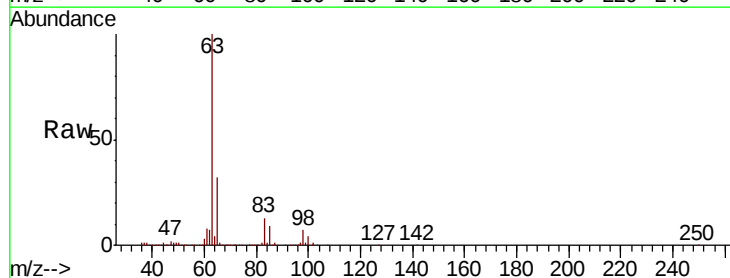
Tgt Ion: 63 Resp: 789973

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

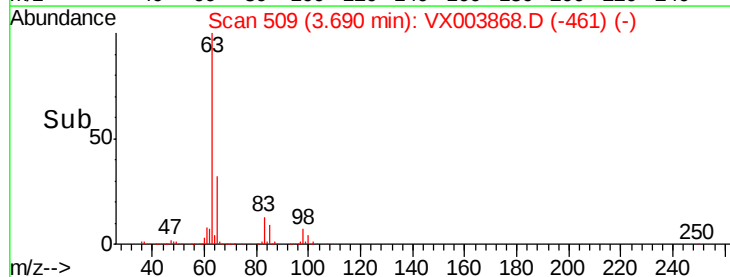
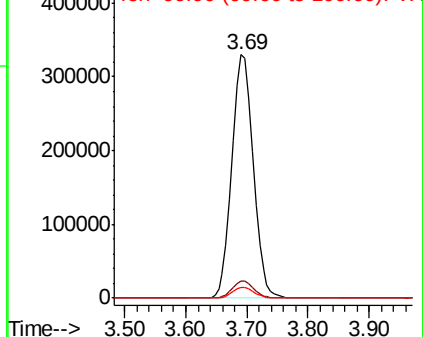
100 4.5 2.3 6.8

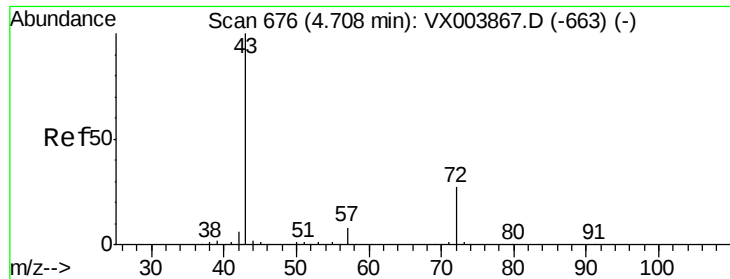


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 508.67 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2118449

Ion Ratio Lower Upper

43 100

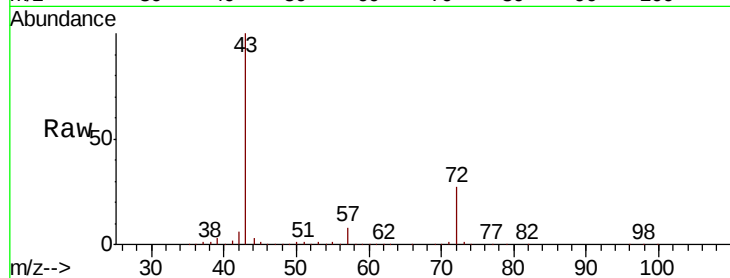
72 27.2 21.4 32.0

Manual Integrations

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MMDadoda

8/7/2018 1:13:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

800000

600000

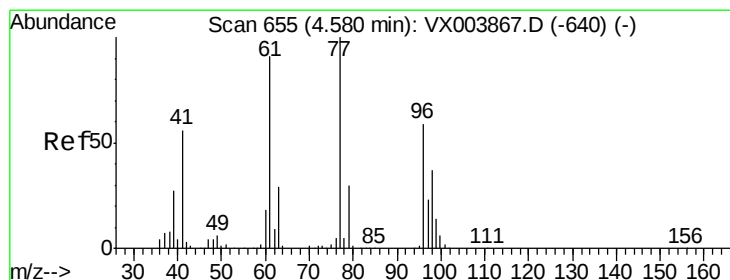
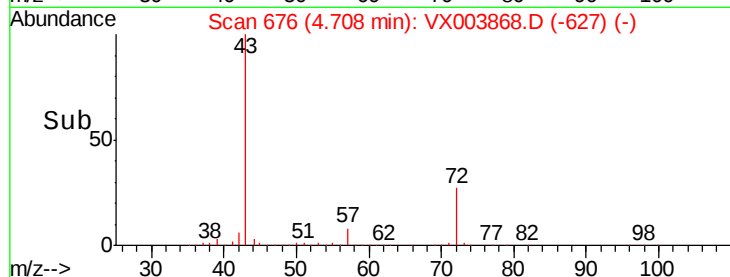
400000

200000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 113.98 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003868.D

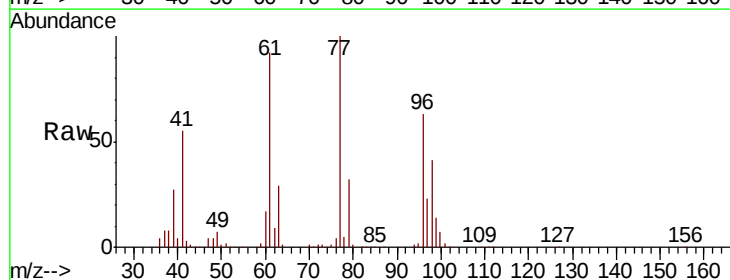
Acq: 06 Aug 2018 18:13

Tgt Ion: 77 Resp: 567566

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

200000

150000

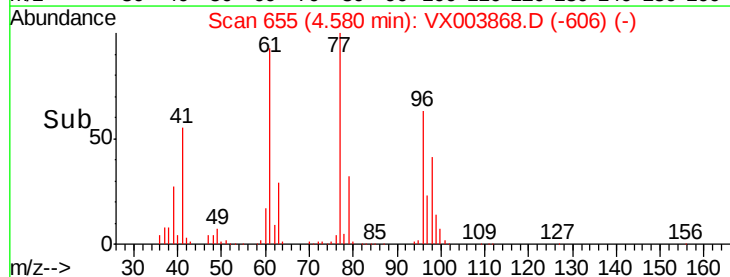
100000

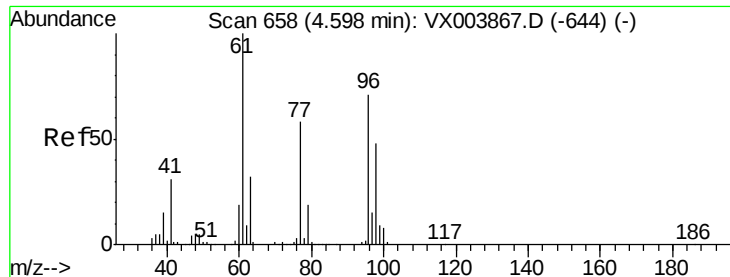
50000

0

4.40 4.50 4.60 4.70 4.80

Time-->





#27

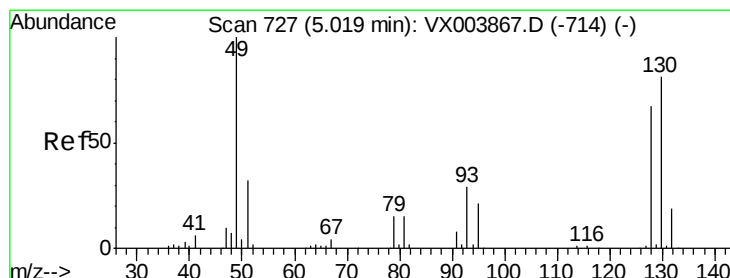
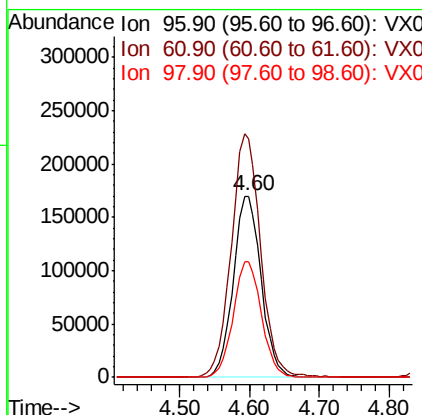
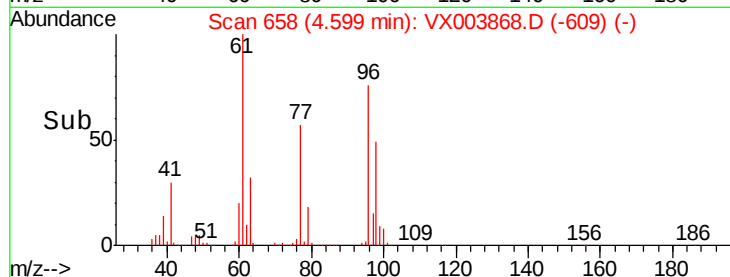
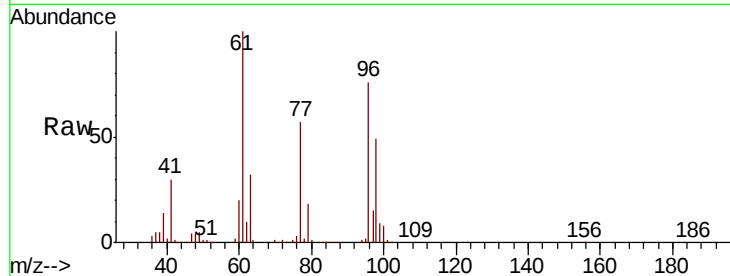
cis-1,2-Dichloroethene
Concen: 104.68 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	469442		
61	142.0	0.0	293.0	
98	64.5	0.0	131.8	

Manual Integrations
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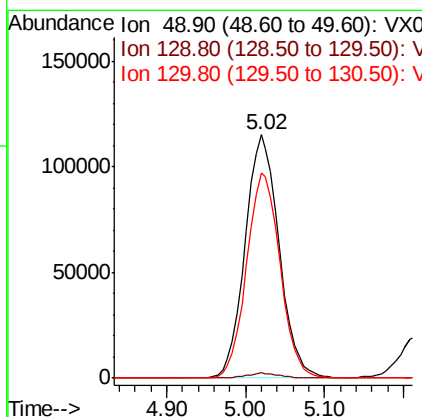
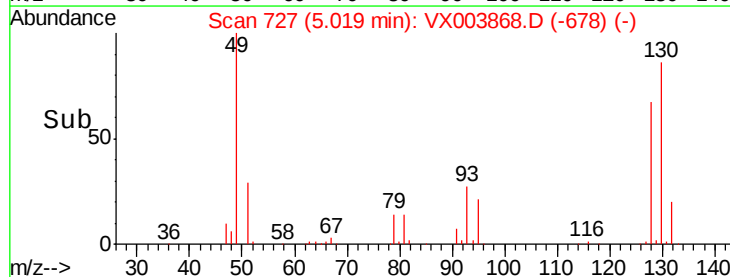
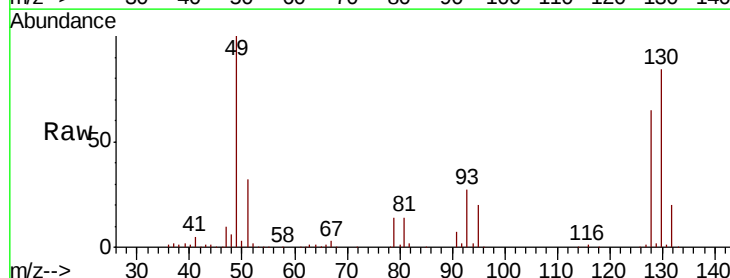
MMDadoda
8/7/2018 1:13:01 PM

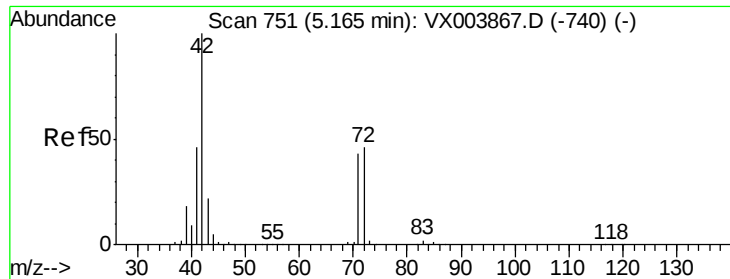


#28

Bromochloromethane
Concen: 102.73 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	344748		
129	2.0	0.0	4.2	
130	83.5	66.5	99.7	





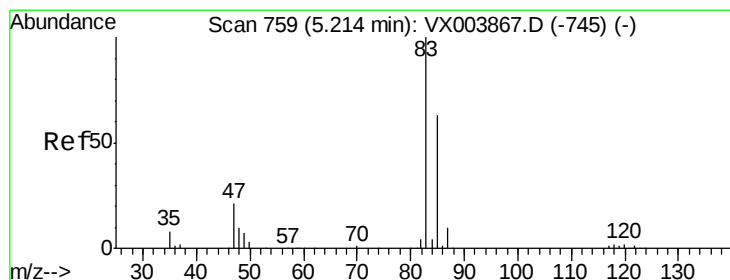
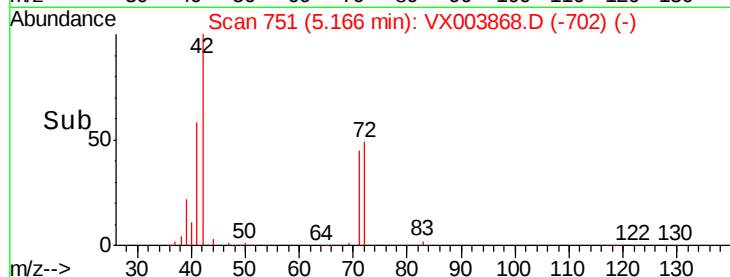
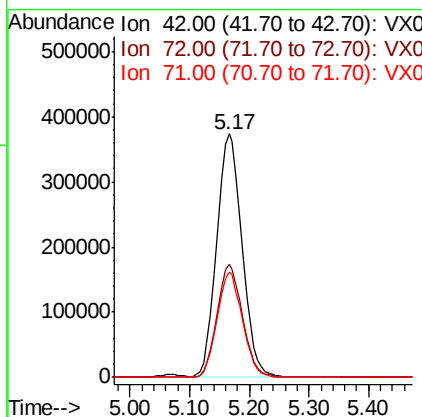
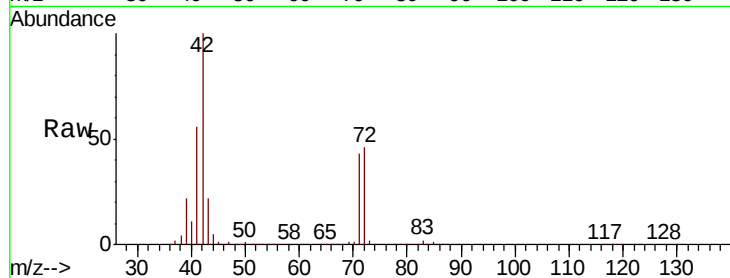
#29
Tetrahydrofuran
Concen: 519.53 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1102690
Ion Ratio Lower Upper
42 100
72 46.7 37.7 56.5
71 43.2 35.0 52.6

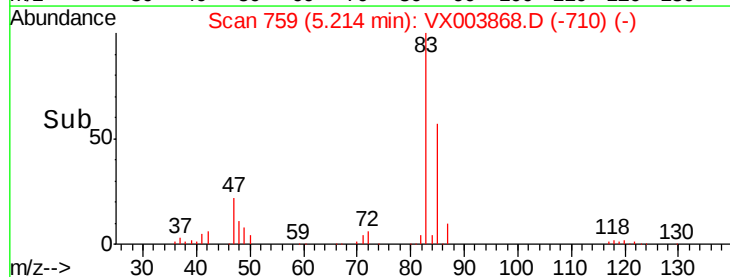
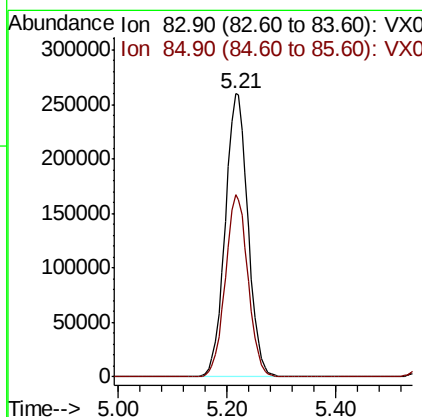
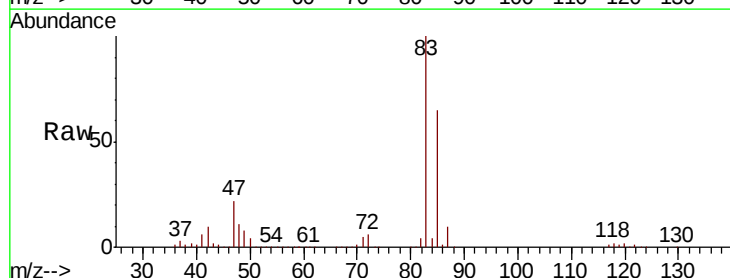
Manual Integrations
APPROVED

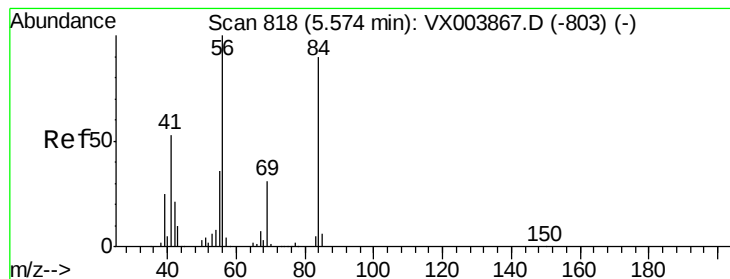
MMDadoda
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#30
Chloroform
Concen: 101.73 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion: 83 Resp: 756301
Ion Ratio Lower Upper
83 100
85 64.6 50.7 76.1





#31

Cyclohexane

Concen: 110.51 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

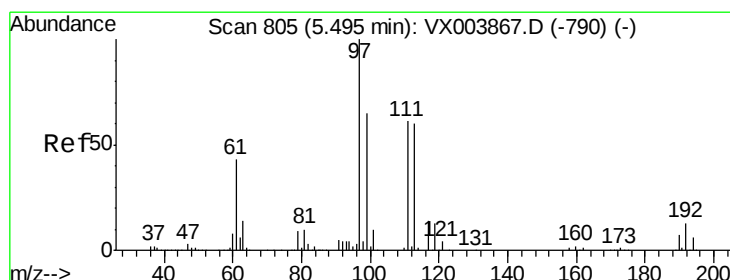
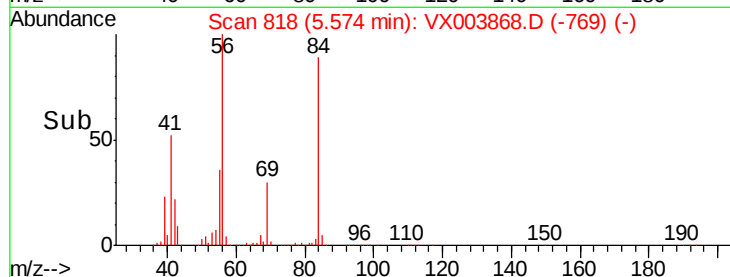
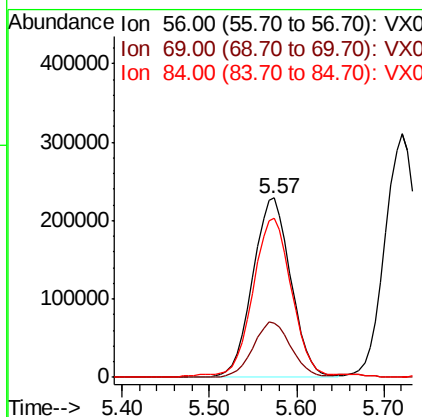
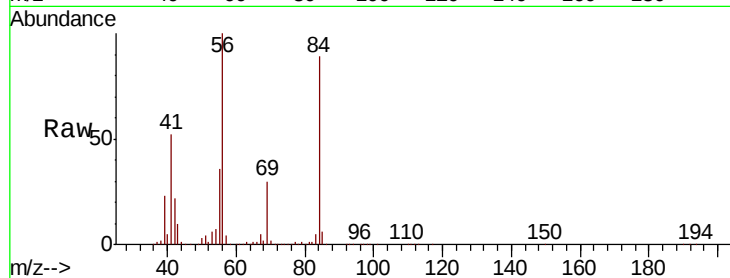
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	693806
Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.9	37.3
84	87.7	71.7	107.5

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#32

1,1,1-Trichloroethane

Concen: 105.90 ug/l

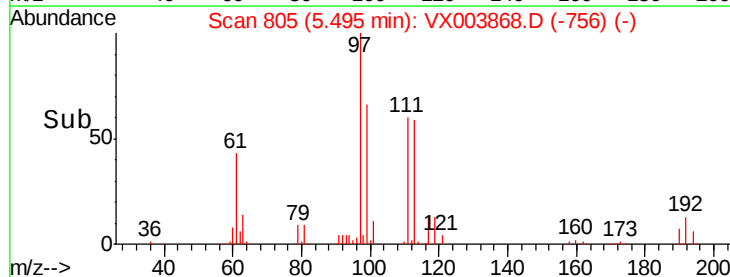
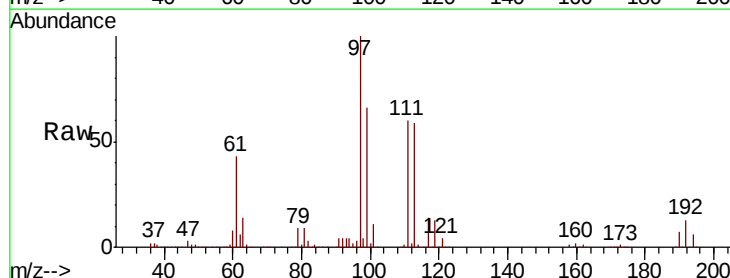
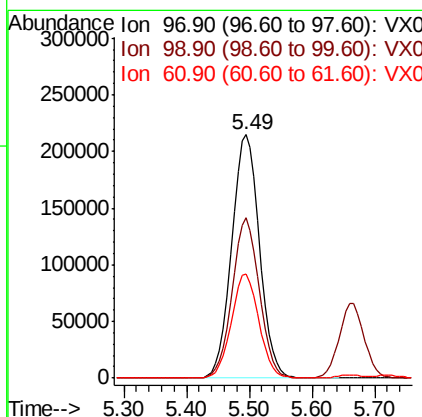
RT: 5.49 min Scan# 805

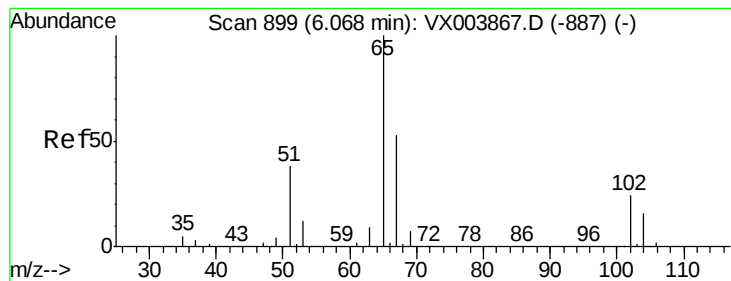
Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Tgt Ion:	97	Resp:	656930
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	42.6	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 100.72 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 467269

Ion Ratio Lower Upper

65 100

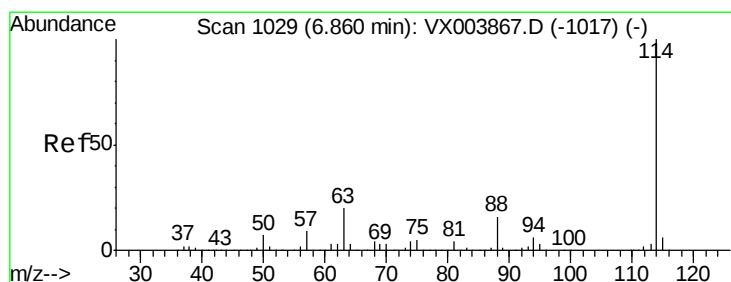
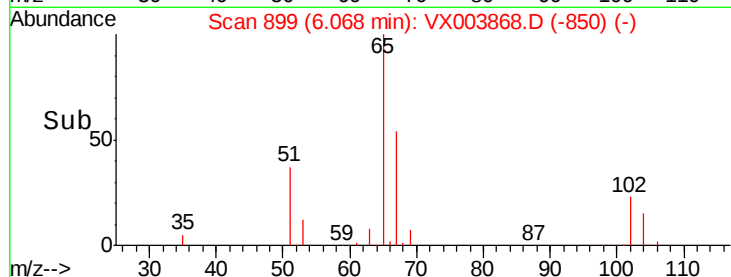
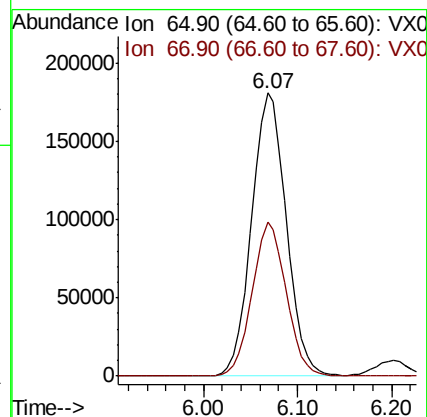
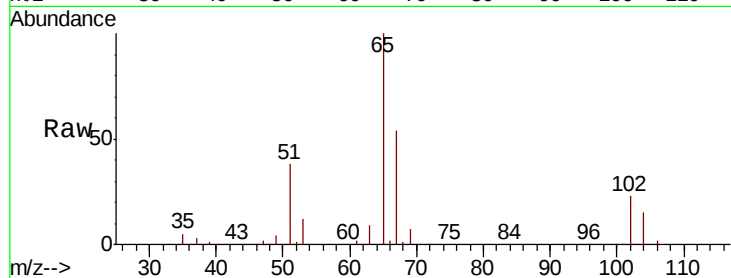
67 53.3 0.0 105.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

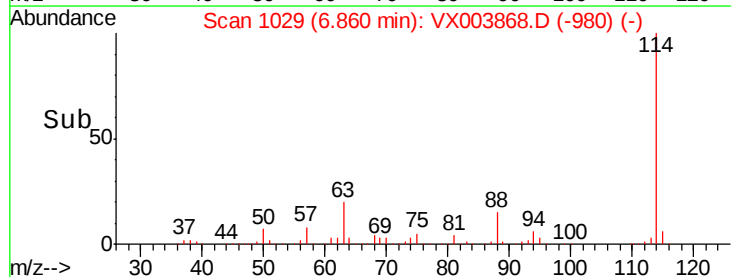
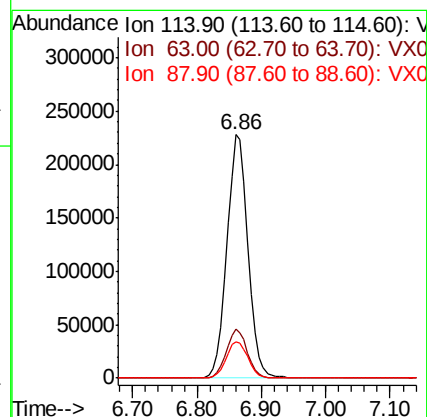
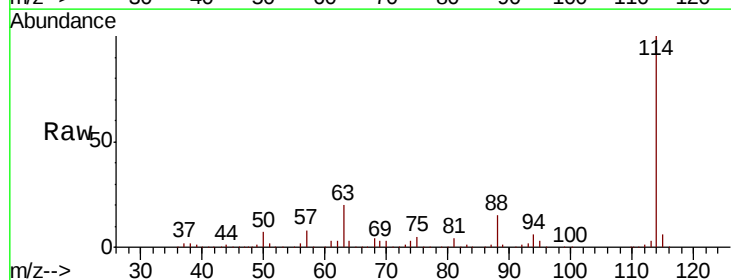
Tgt Ion: 114 Resp: 525366

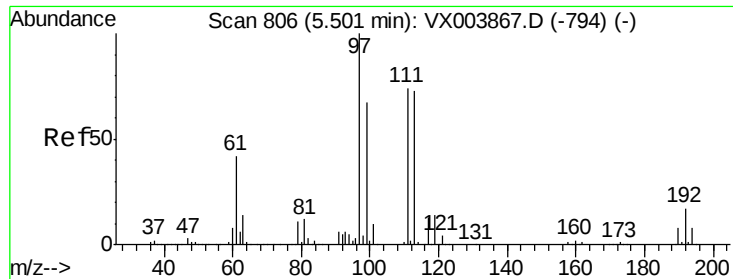
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

88 15.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 98.03 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

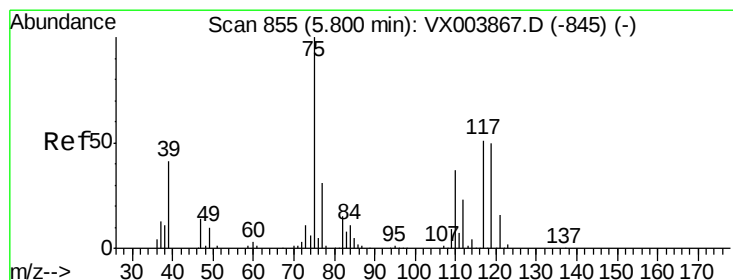
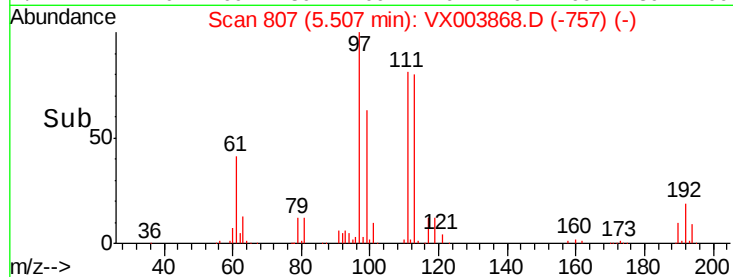
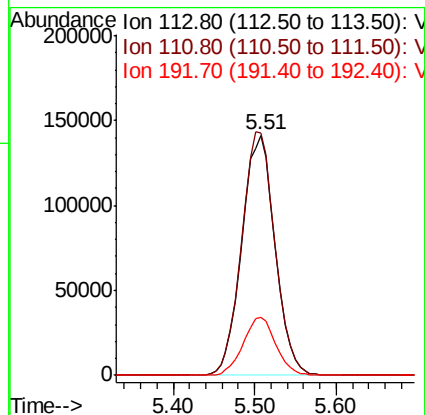
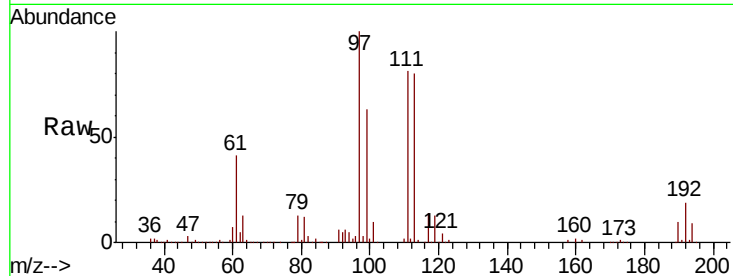
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	399913
Ion Ratio	Lower	Upper	
113	100		
111	101.8	82.0	123.0
192	23.8	19.0	28.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 102.85 ug/l

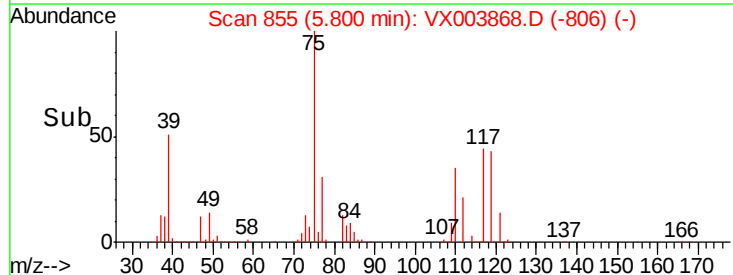
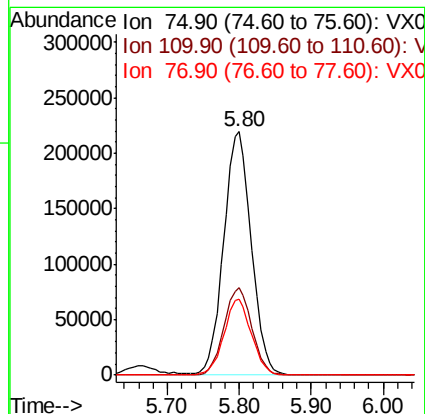
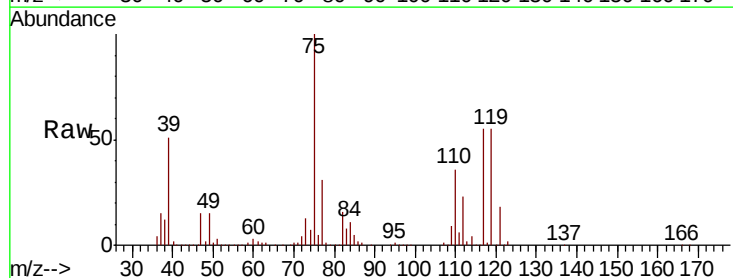
RT: 5.80 min Scan# 855

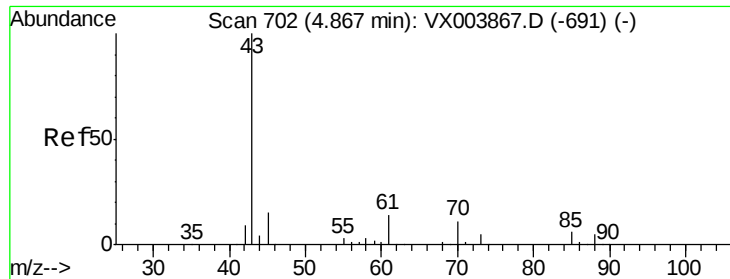
Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Tgt Ion:	75	Resp:	585083
Ion Ratio	Lower	Upper	
75	100		
110	36.2	18.2	54.6
77	31.3	25.0	37.4





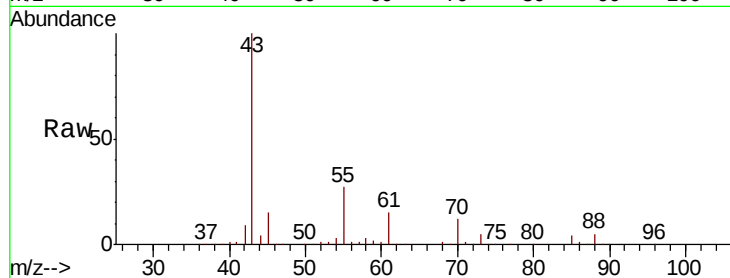
#37
Ethyl Acetate
Concen: 99.94 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

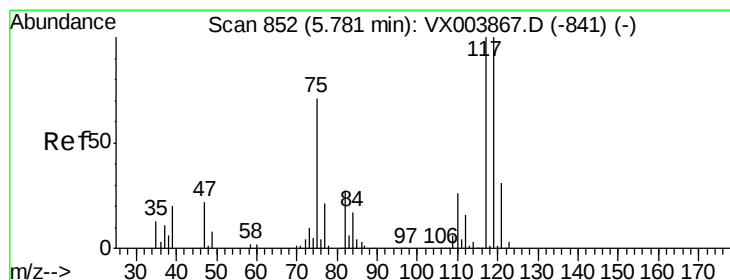
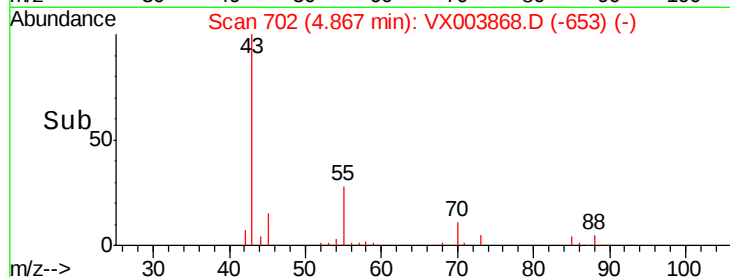
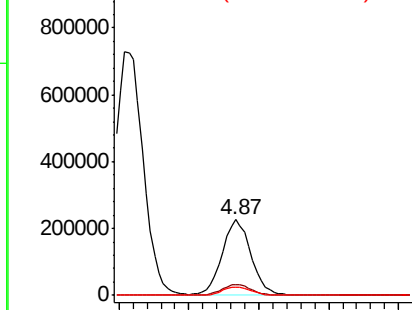
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.3	9.0	13.4

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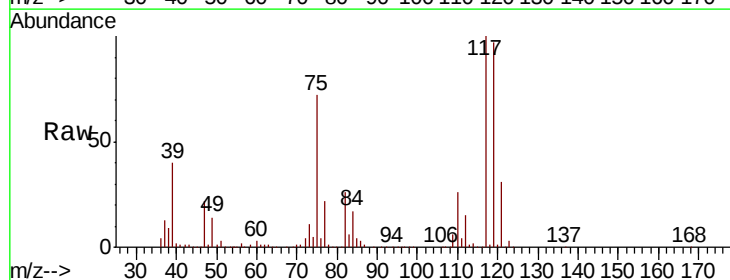


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

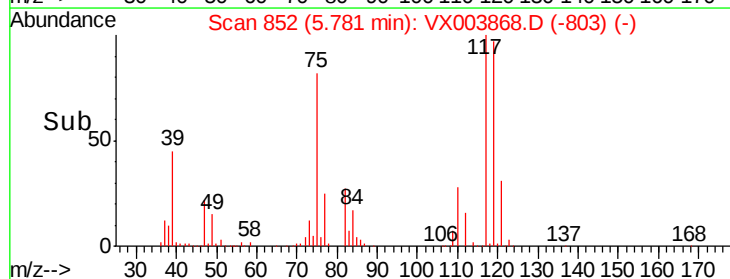
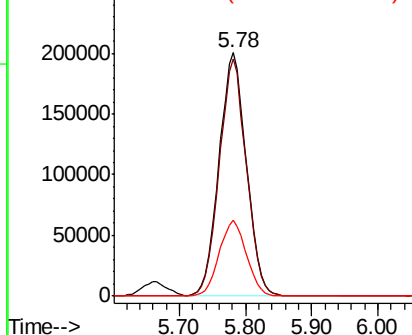


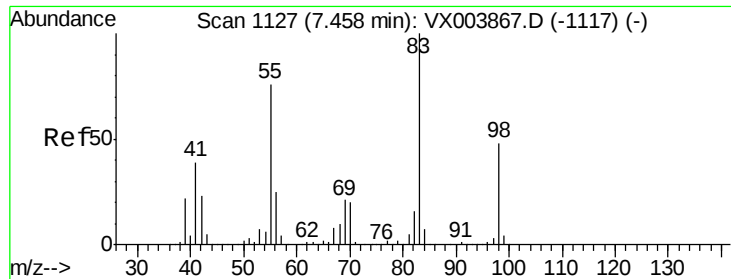
#38
Carbon Tetrachloride
Concen: 101.11 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	79.5	119.3
121	31.4	25.0	37.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





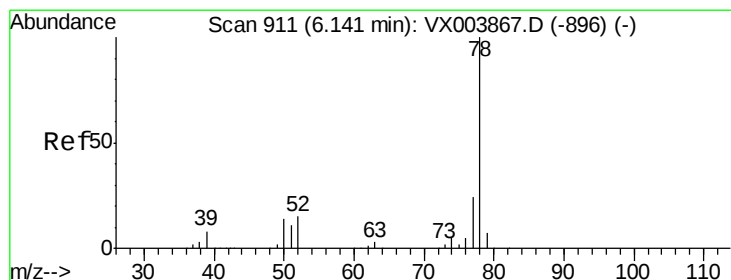
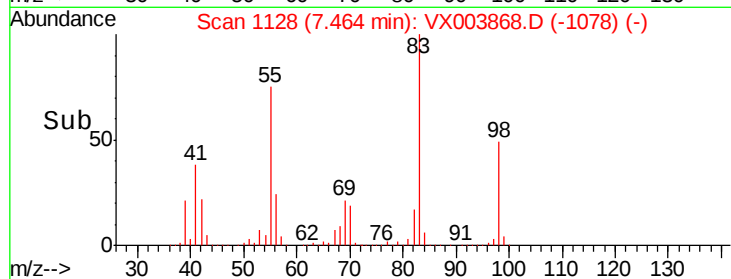
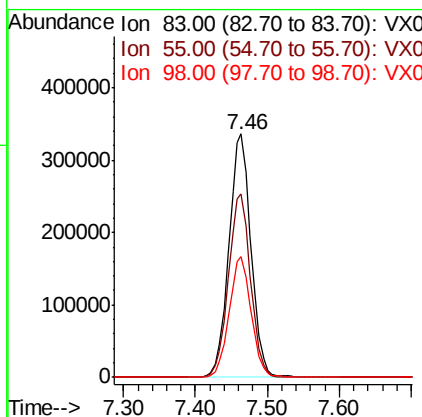
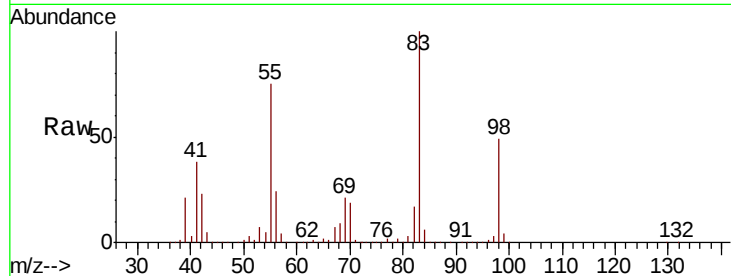
#39
Methvlcvclohexane
Concen: 110.02 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	61.0	91.6
98	49.4	38.6	57.8

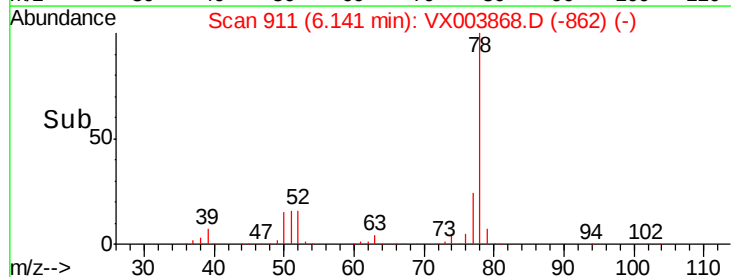
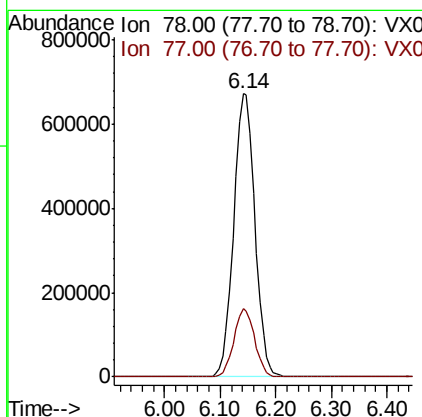
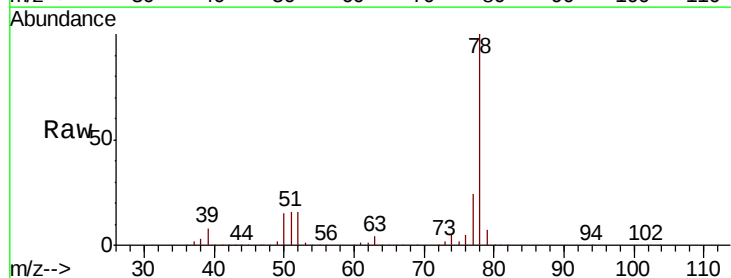
Manual Integrations
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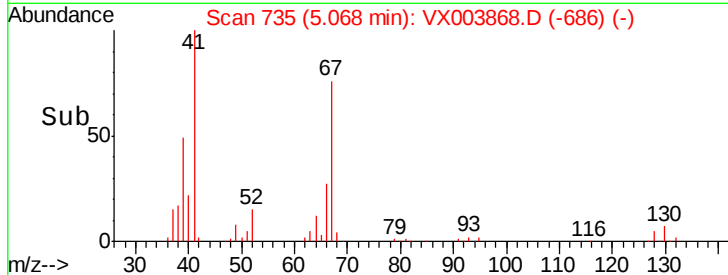
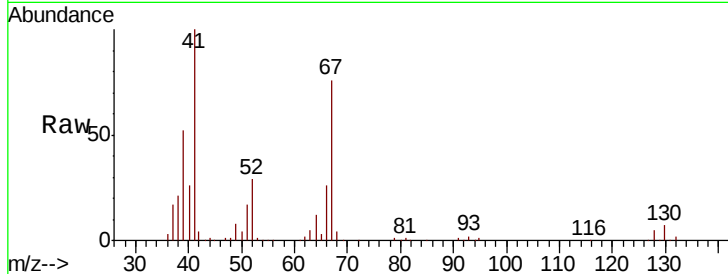
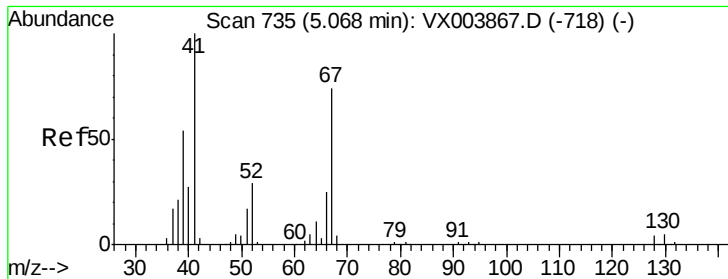
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#40
Benzene
Concen: 101.27 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





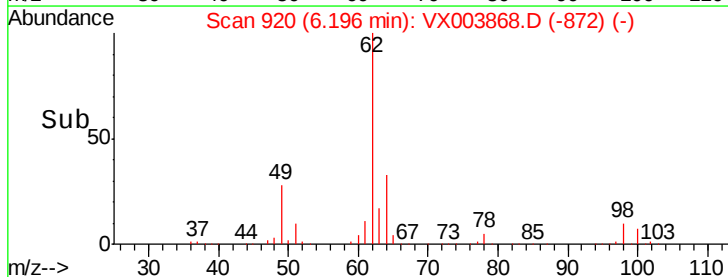
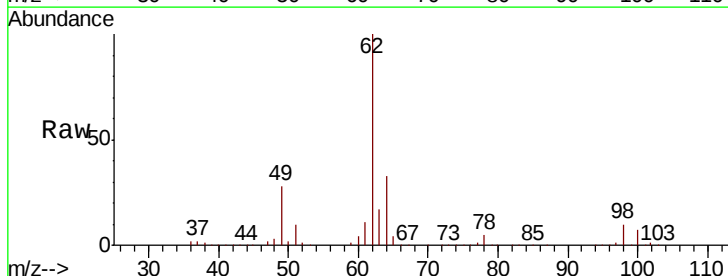
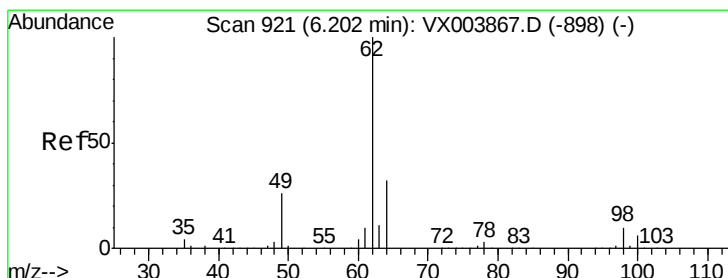
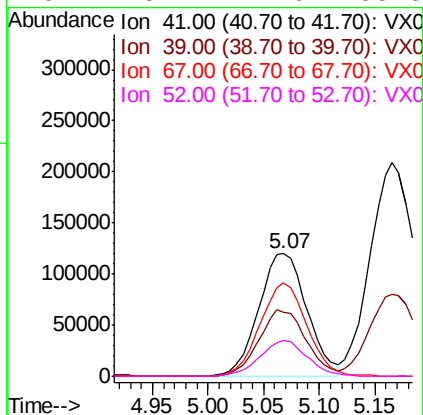
#41
Methacrylonitrile
Concen: 103.36 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	42.7	64.1	
67	74.3	58.9	88.3	
52	28.2	22.6	33.8	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

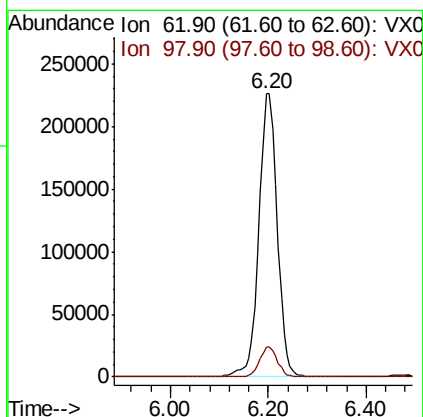
Manual Integrations
APPROVED

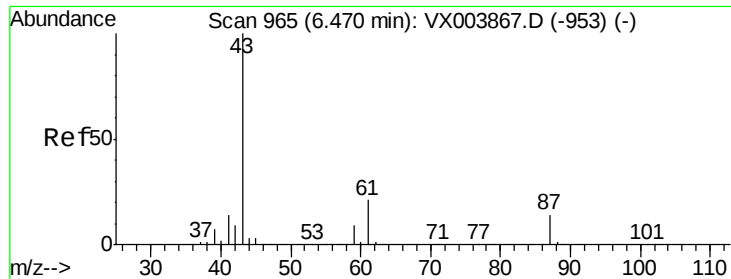
MMDadoda
8/7/2018 1:13:01 PM



#42
1,2-Dichloroethane
Concen: 101.50 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.4	





#43

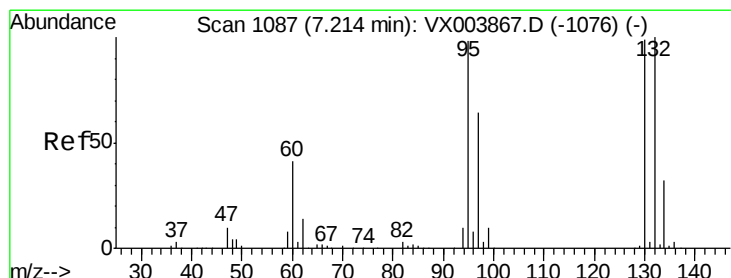
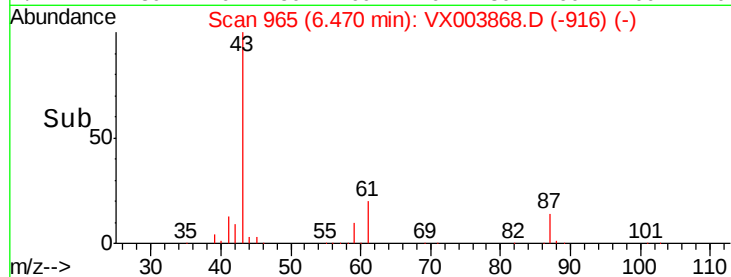
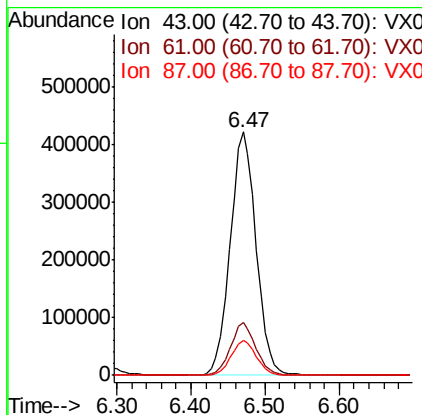
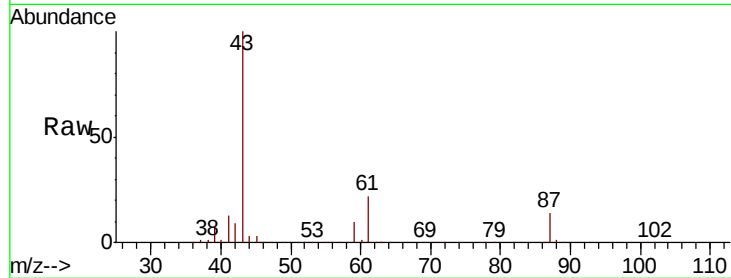
Isopropyl Acetate
 Concen: 105.39 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.9	25.3
87	14.3	11.3	16.9

Manual Integrations
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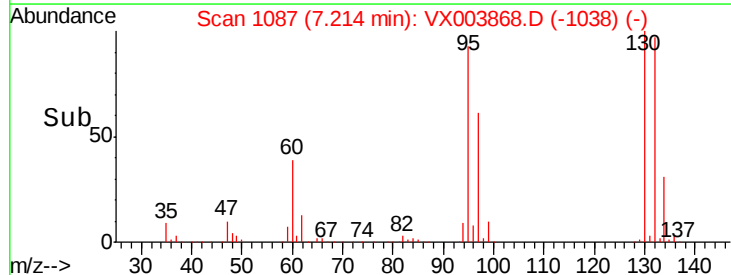
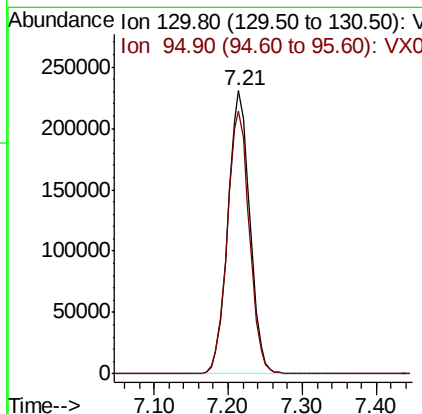
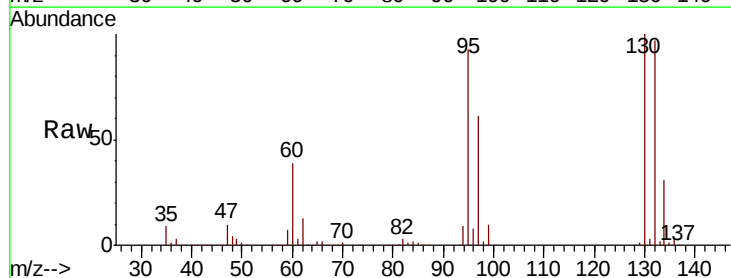
MMDadoda
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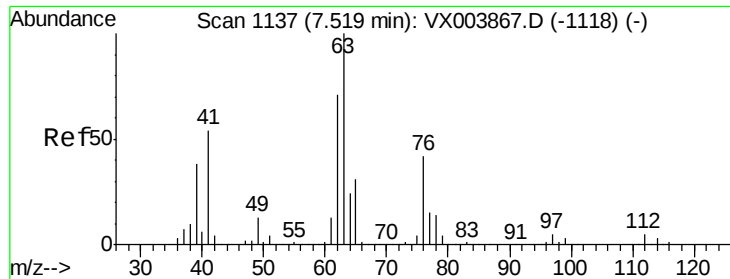


#44

Trichloroethene
 Concen: 101.29 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	199.4





#45

1,2-Dichloropropane

Concen: 100.29 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 452431

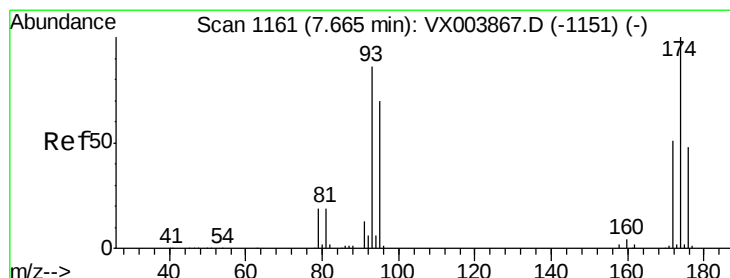
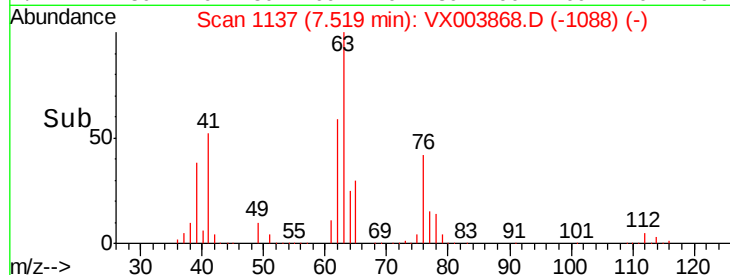
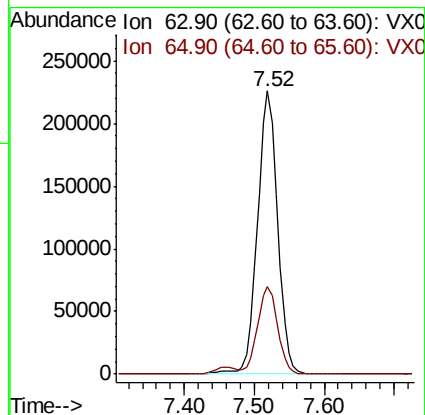
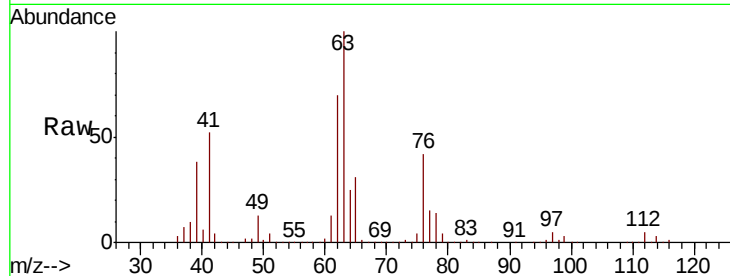
Ion Ratio Lower Upper

63 100

65 31.0 24.6 36.8

Manual Integrations
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#46

Dibromomethane

Concen: 101.37 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

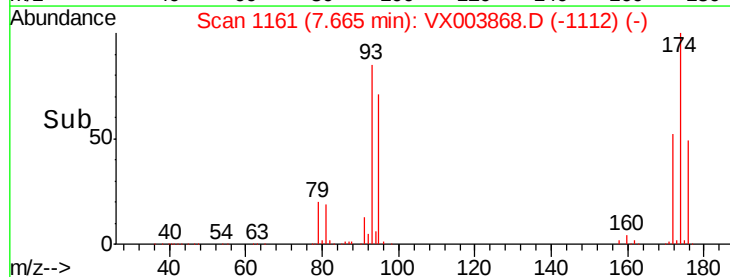
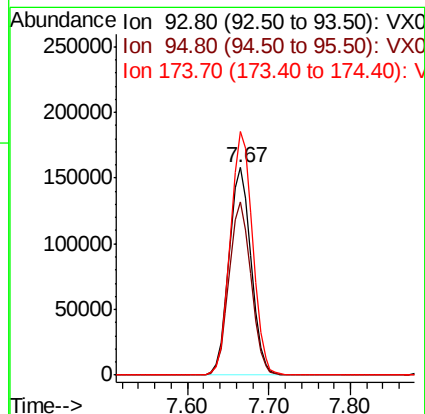
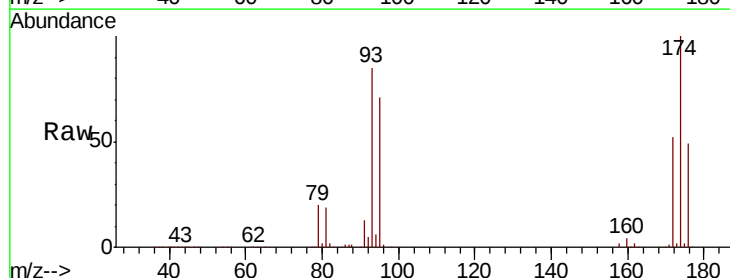
Tgt Ion: 93 Resp: 293694

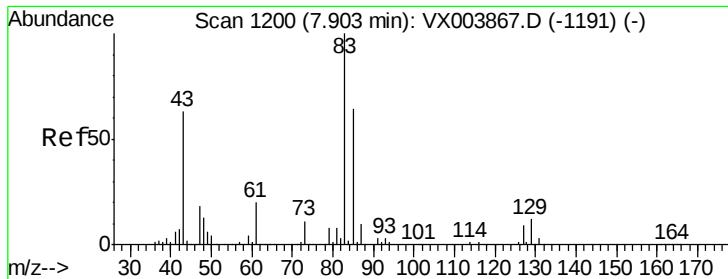
Ion Ratio Lower Upper

93 100

95 83.4 66.4 99.6

174 118.5 94.3 141.5





#47

Bromodichloromethane

Concen: 106.48 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

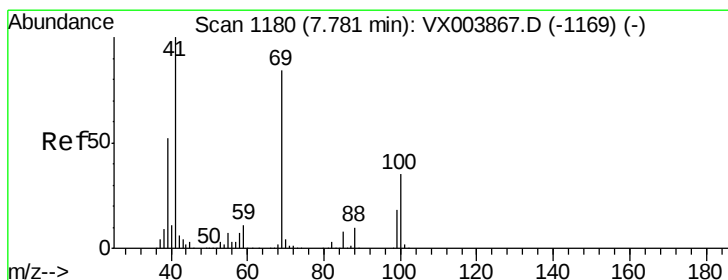
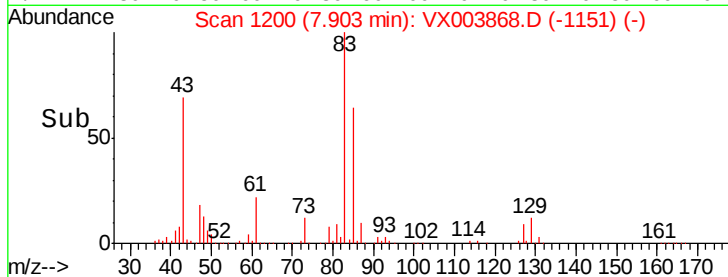
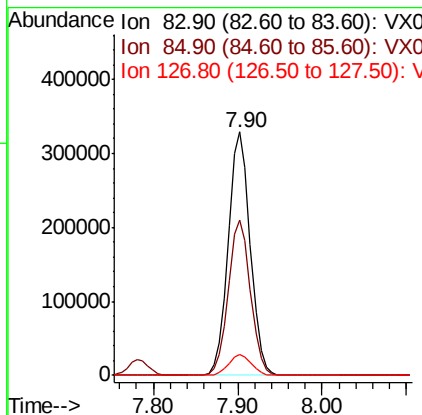
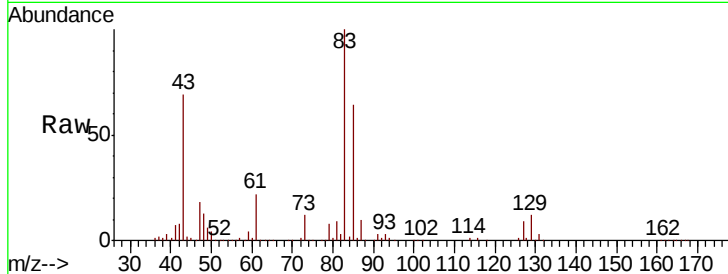
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	582903
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.2	76.8
127	8.7	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 109.07 ug/l

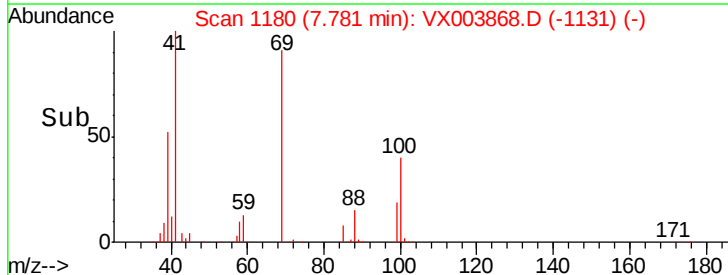
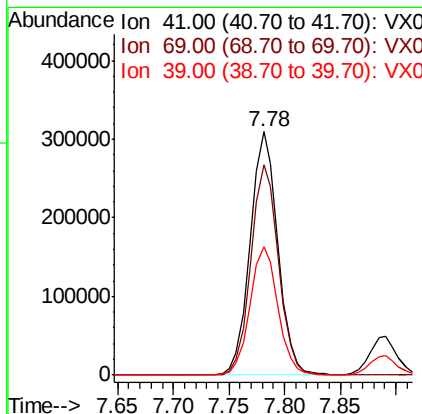
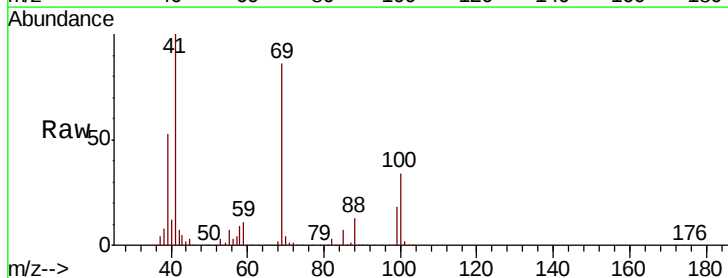
RT: 7.78 min Scan# 1180

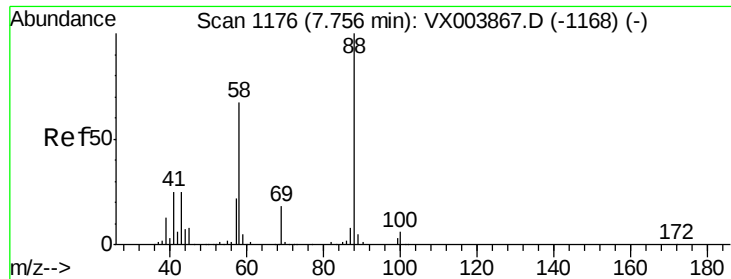
Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Tgt Ion:	41	Resp:	535605
Ion Ratio	Lower	Upper	
41	100		
69	87.0	68.8	103.2
39	53.1	42.3	63.5





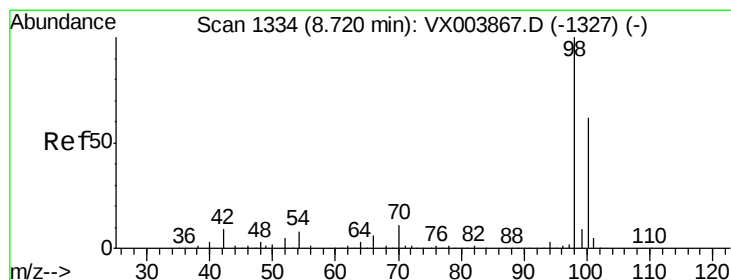
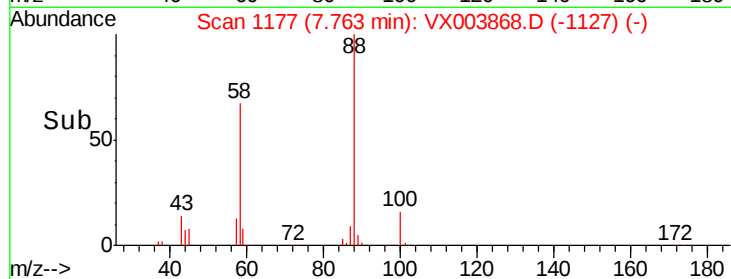
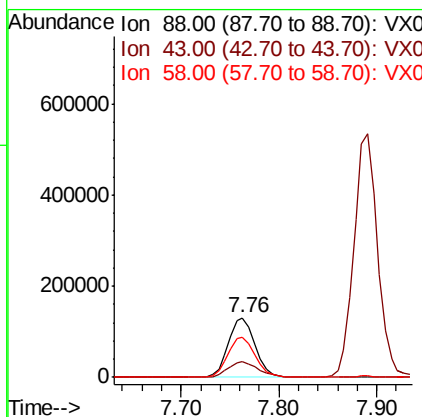
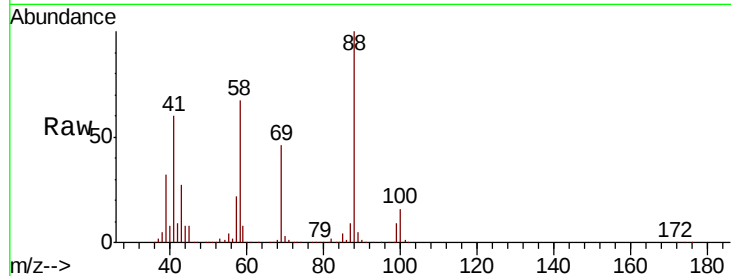
#49
 1,4-Dioxane
 Concen: 2127.91 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	23.8	35.8
58	69.1	55.4	83.0

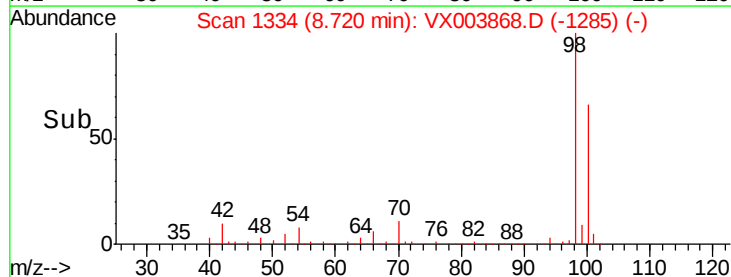
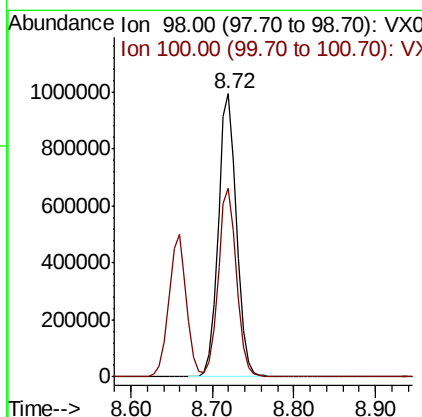
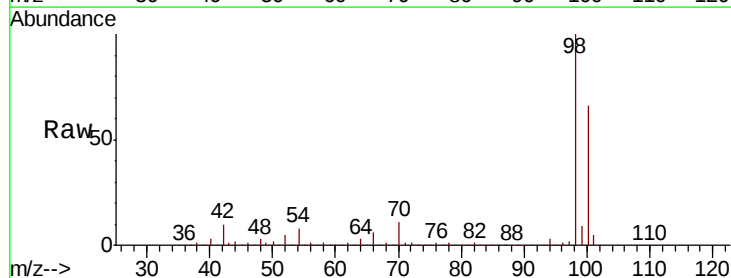
Manual Integrations
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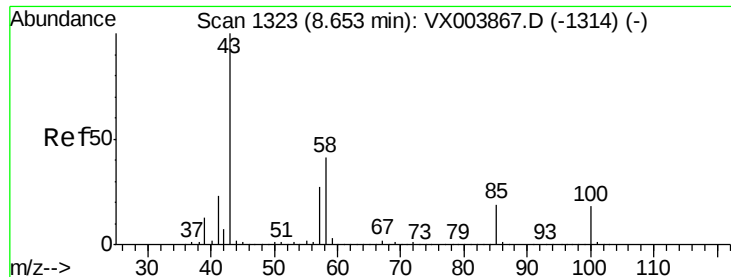
MMDadoda
 8/7/2018 1:13:01 PM



#50
 Toluene-d8
 Concen: 98.81 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9





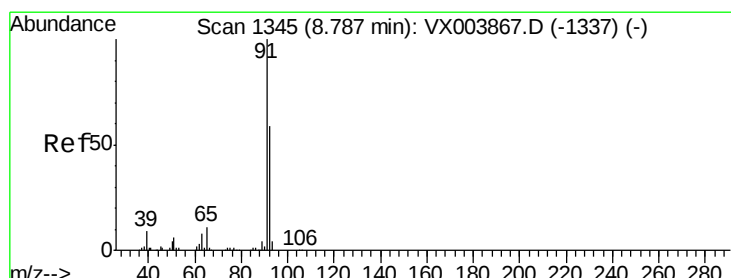
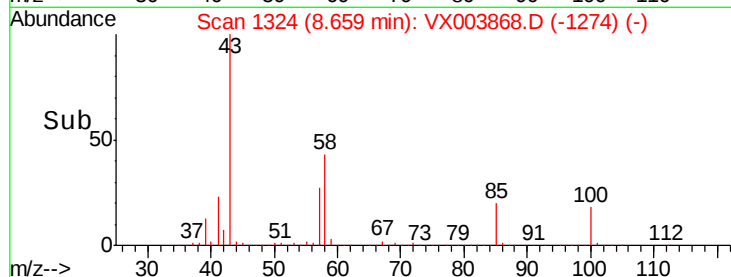
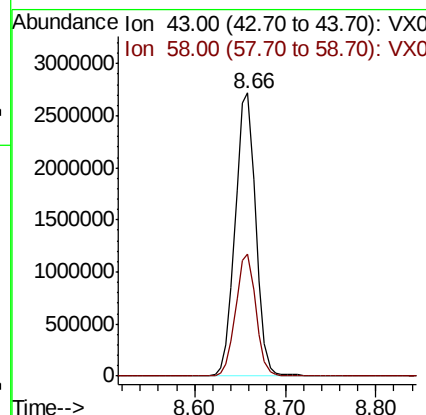
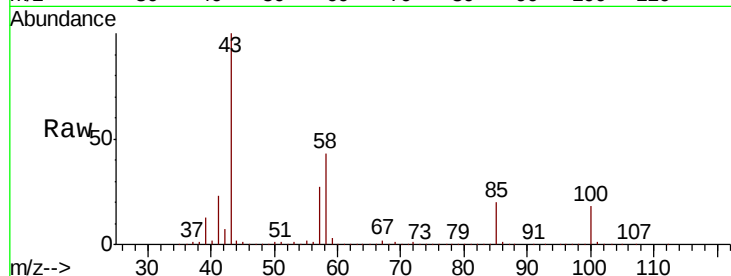
#51
4-Methyl-2-Pentanone
Concen: 527.43 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.01 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 4270530
Ion Ratio Lower Upper
43 100
58 42.4 33.0 49.6

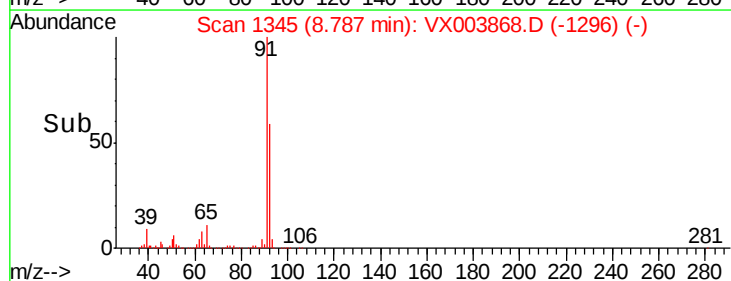
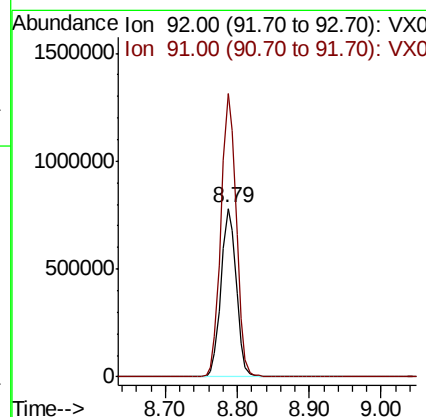
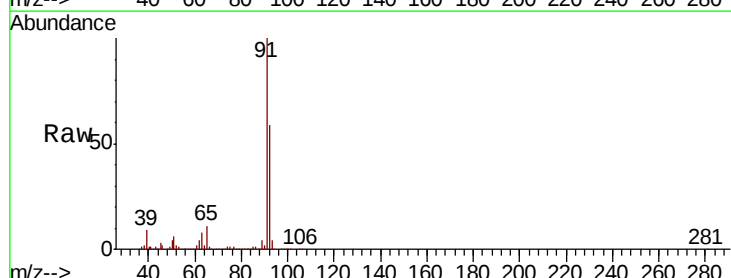
Manual Integrations
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8/7/2018 1:13:01 PM



#52
Toluene
Concen: 105.96 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion: 92 Resp: 1141650
Ion Ratio Lower Upper
92 100
91 169.3 136.1 204.1





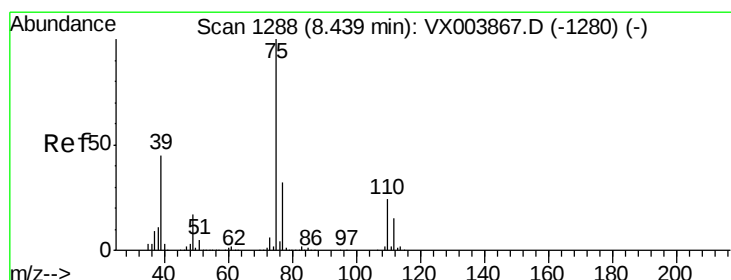
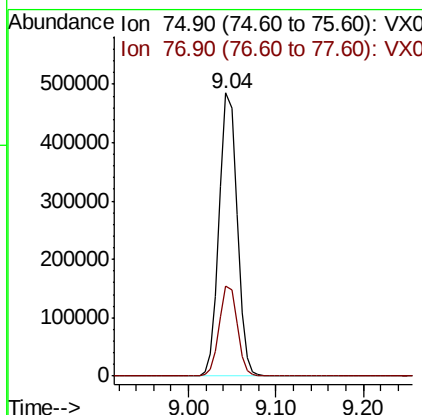
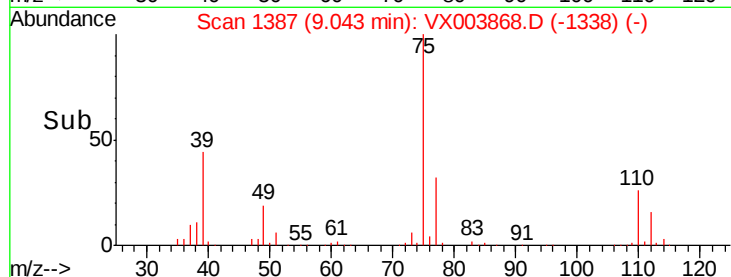
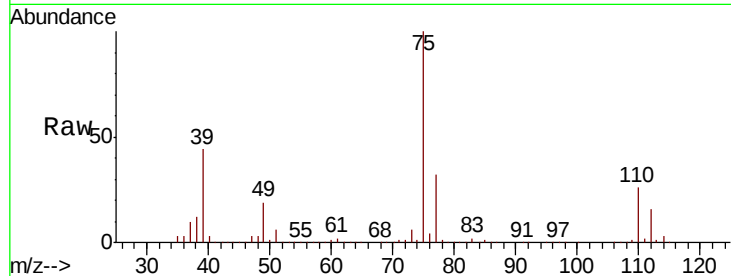
#53
t-1,3-Dichloropropene
Concen: 115.09 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 689435
Ion Ratio Lower Upper
75 100
77 32.0 25.1 37.7

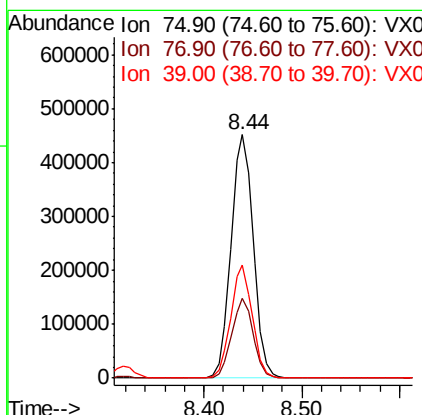
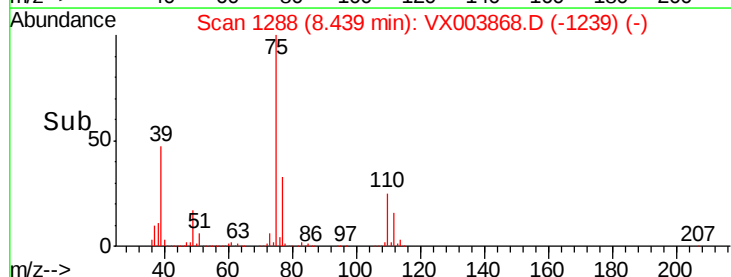
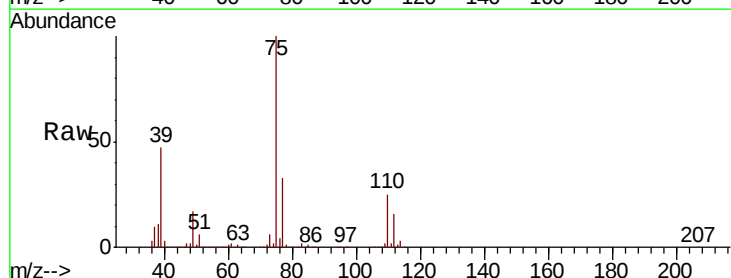
Manual Integrations
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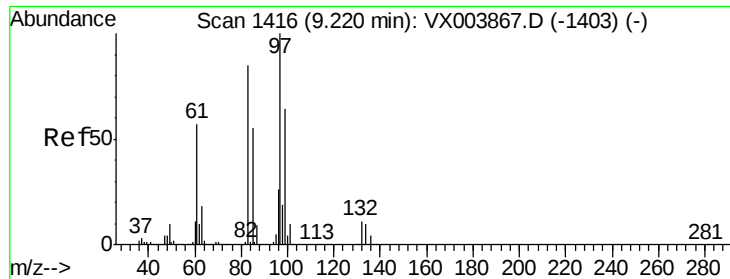
MMDadoda
8/7/2018 1:13:01 PM



#54
cis-1,3-Dichloropropene
Concen: 109.04 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion: 75 Resp: 712794
Ion Ratio Lower Upper
75 100
77 32.7 25.3 37.9
39 46.6 36.2 54.2





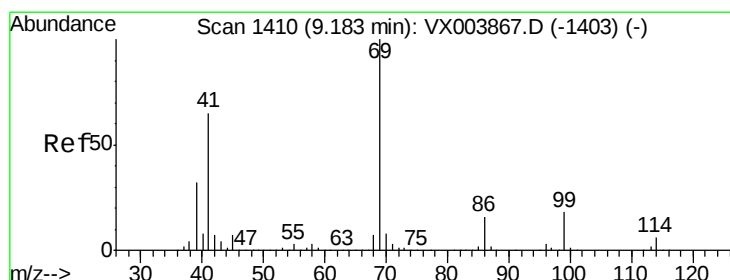
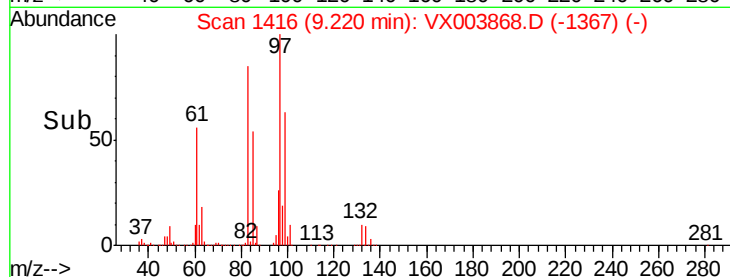
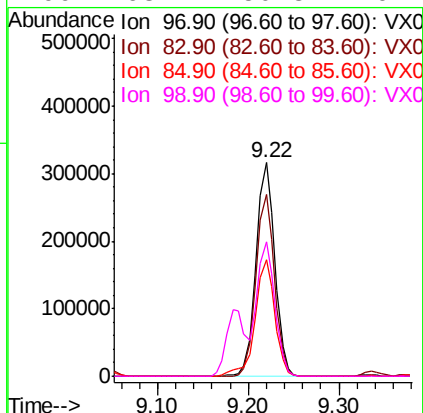
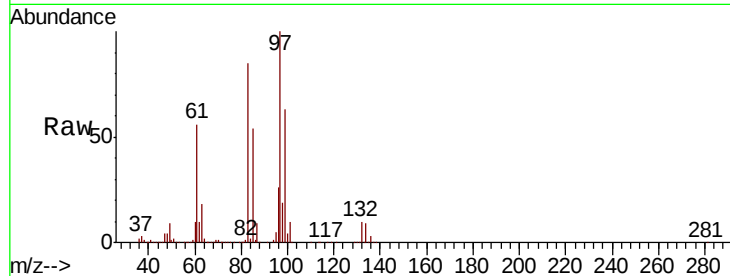
#55
 1,1,2-Trichloroethane
 Concen: 100.63 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	455277
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.8	101.6
85	54.4	44.2	66.2
99	63.1	50.8	76.2

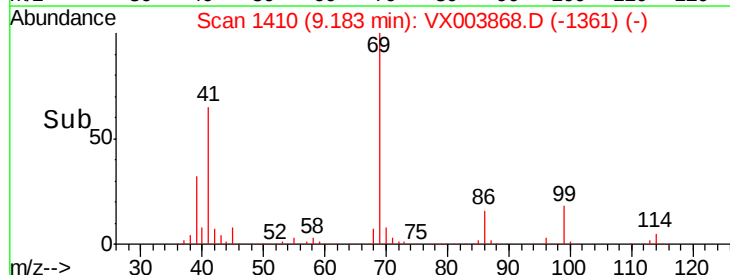
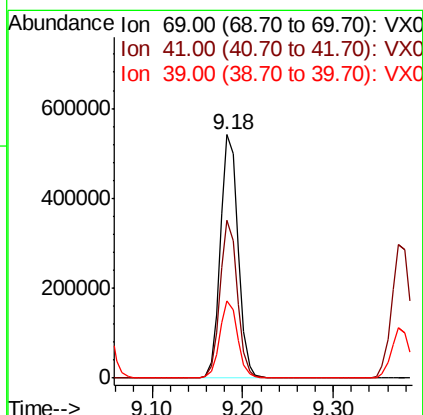
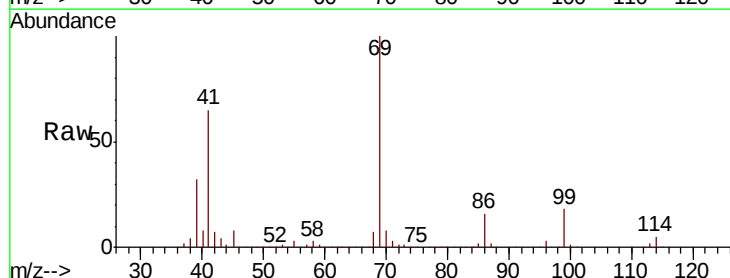
Manual Integrations
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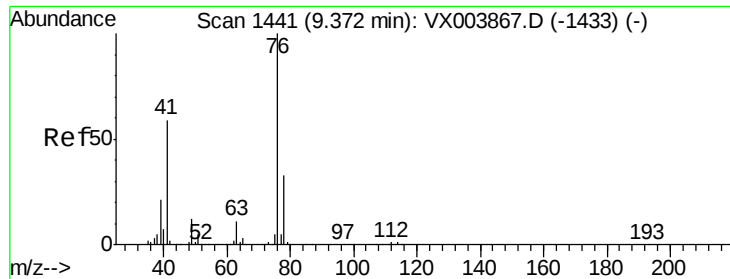
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#56
 Ethyl methacrylate
 Concen: 116.54 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Tgt Ion:	69	Resp:	738947
Ion	Ratio	Lower	Upper
69	100		
41	63.5	50.6	76.0
39	31.7	25.8	38.6





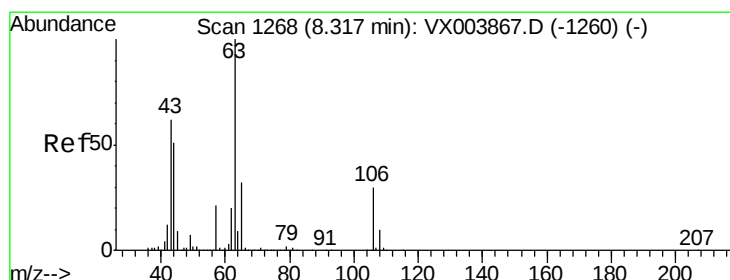
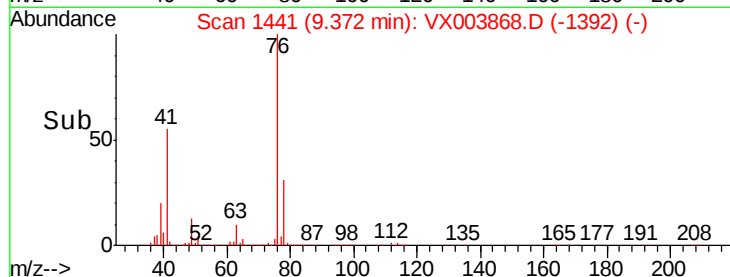
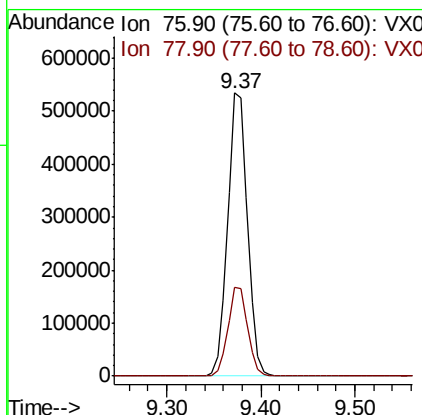
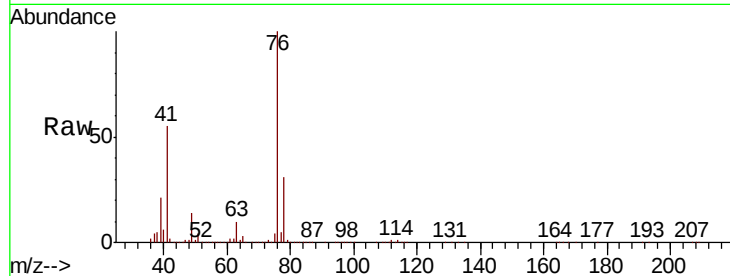
#57
 1,3-Dichloropropane
 Concen: 105.77 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.9	38.9

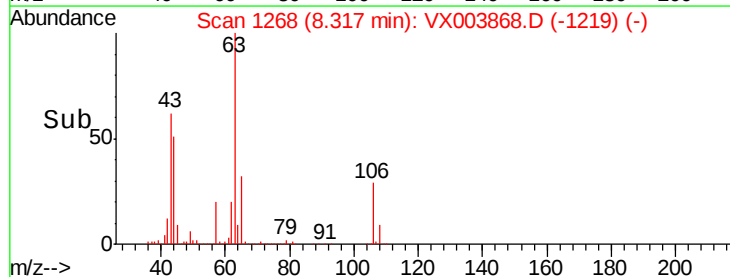
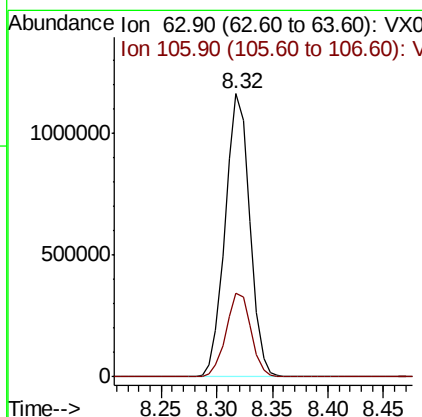
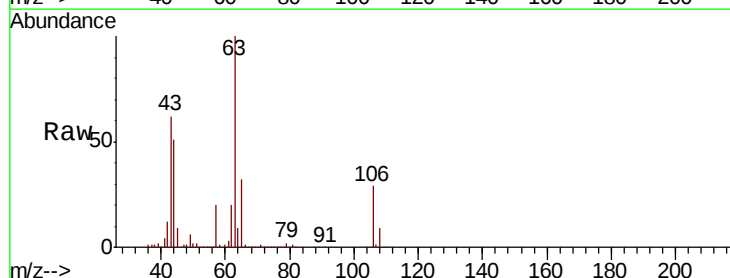
Manual Integrations
 APPROVED

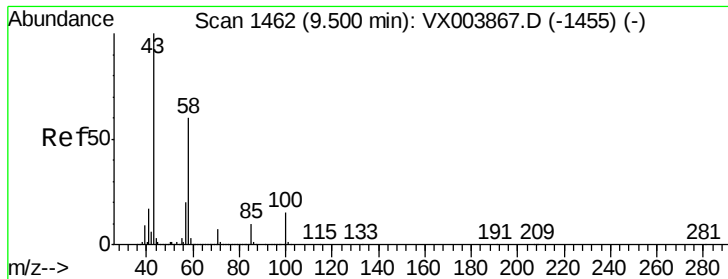
MMDadoda
 8/7/2018 1:13:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 548.94 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.8	35.8





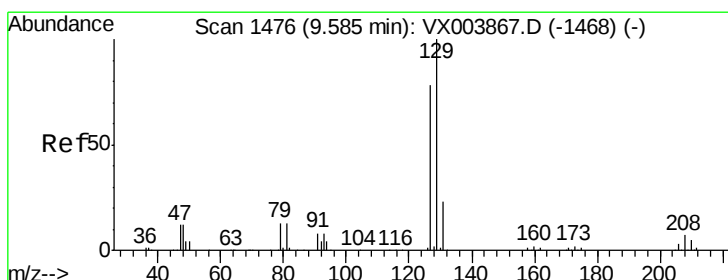
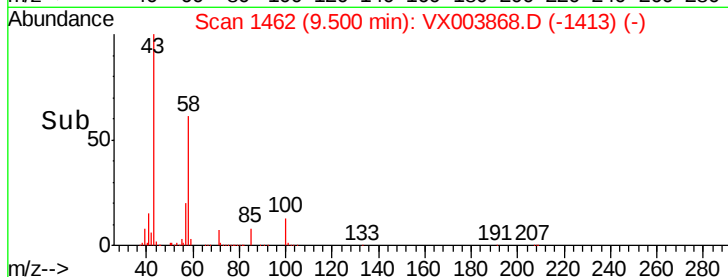
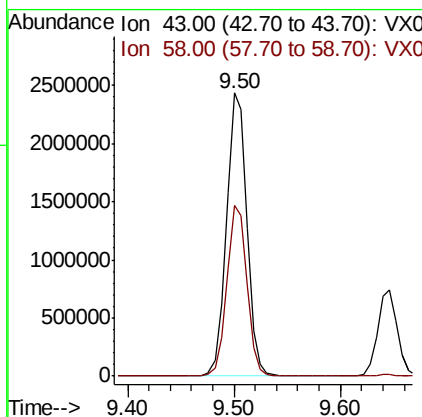
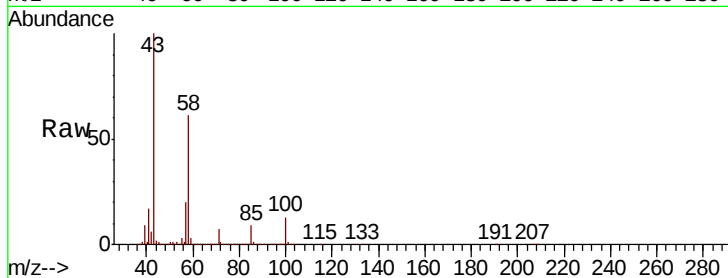
#59
2-Hexanone
Concen: 529.78 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 3271188
Ion Ratio Lower Upper
43 100
58 59.7 29.0 87.0

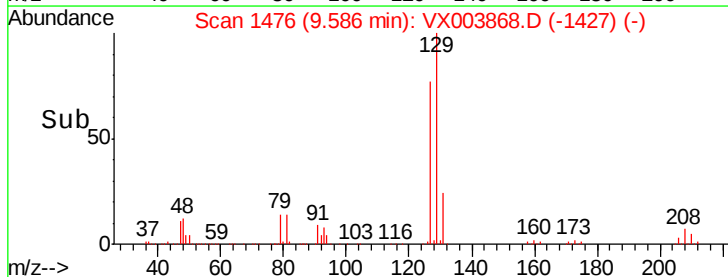
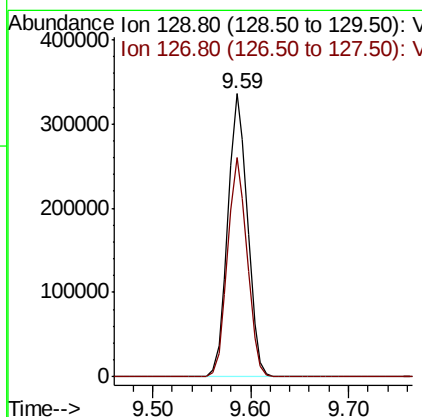
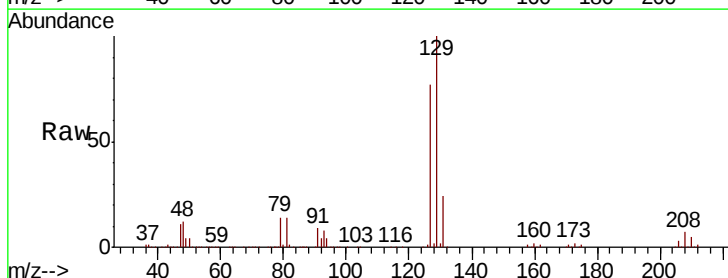
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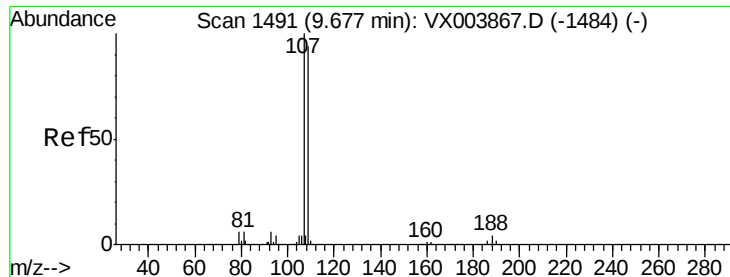
MMDadoda
8/7/2018 1:13:01 PM



#60
Dibromochloromethane
Concen: 106.87 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion: 129 Resp: 470006
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 104.07 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 479644

Ion Ratio Lower Upper

107 100

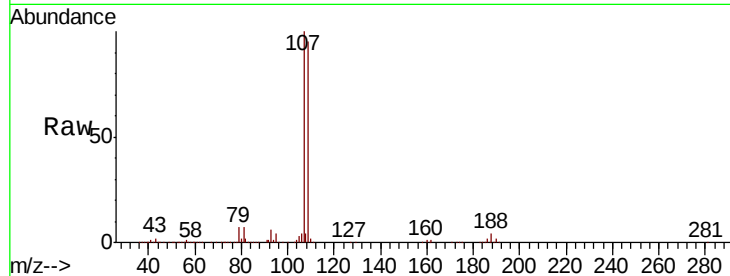
109 94.0 75.8 113.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

400000

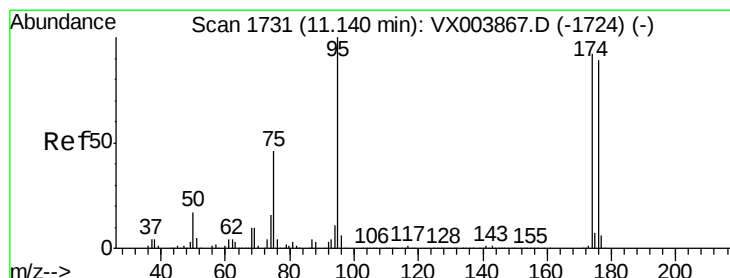
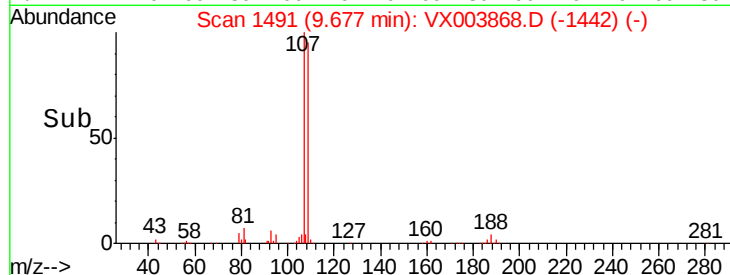
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 103.84 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

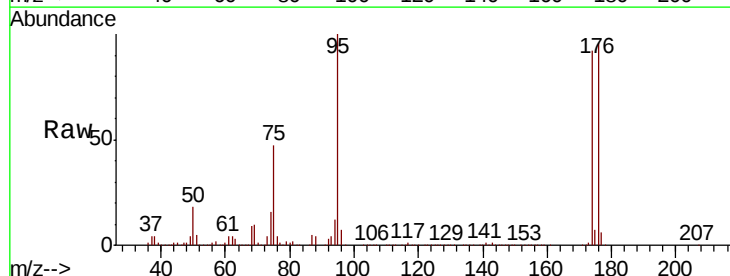
Tgt Ion: 95 Resp: 571492

Ion Ratio Lower Upper

95 100

174 88.0 0.0 182.8

176 87.0 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

600000

500000

400000

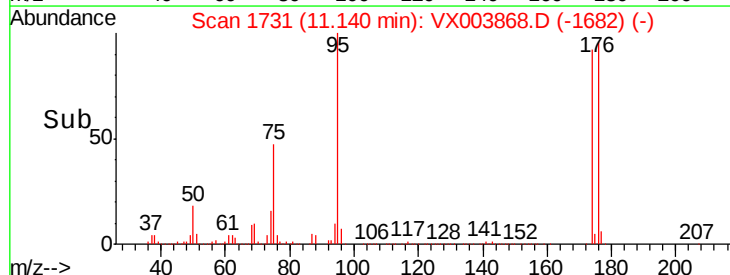
300000

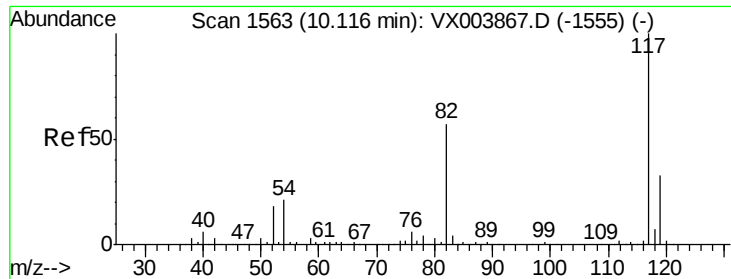
200000

100000

0

Time-->





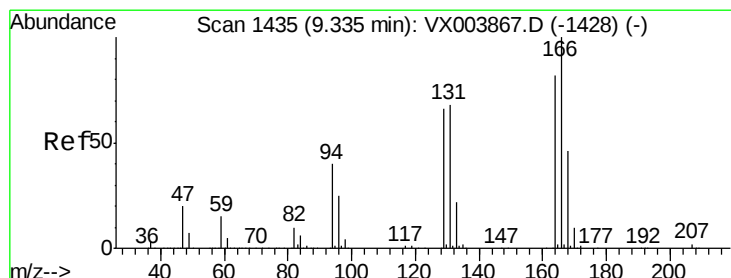
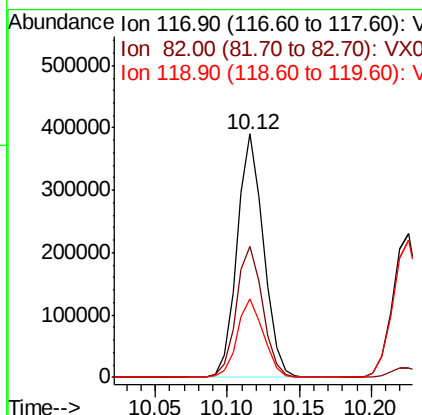
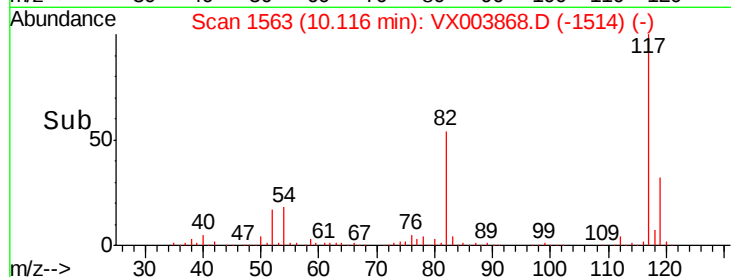
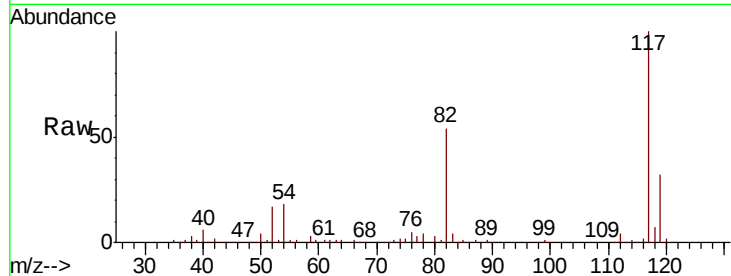
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.4	68.0
119	32.4	26.6	40.0

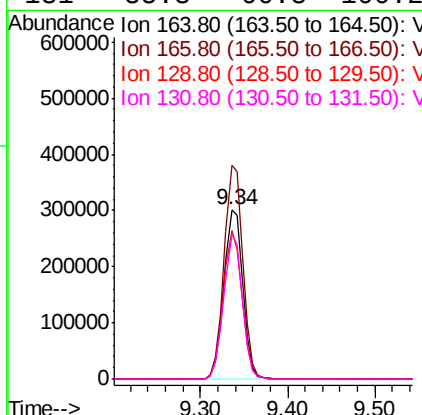
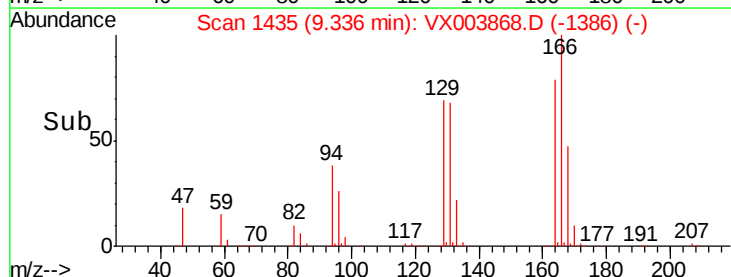
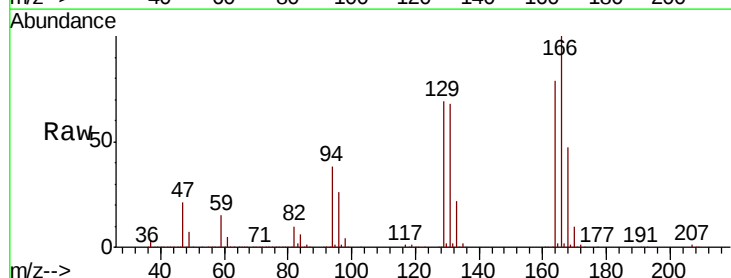
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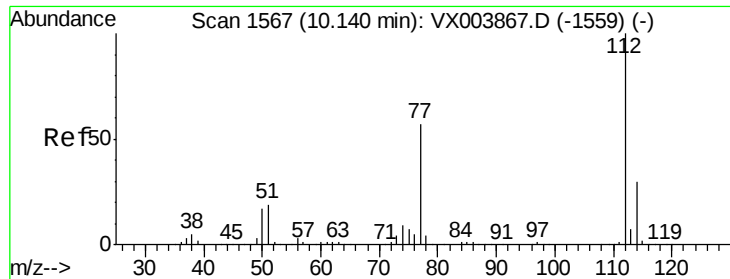
MMDadoda
8/7/2018 1:13:01 PM



#64
Tetrachloroethene
Concen: 97.13 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	98.0	147.0
129	87.6	64.3	96.5
131	85.3	66.8	100.2





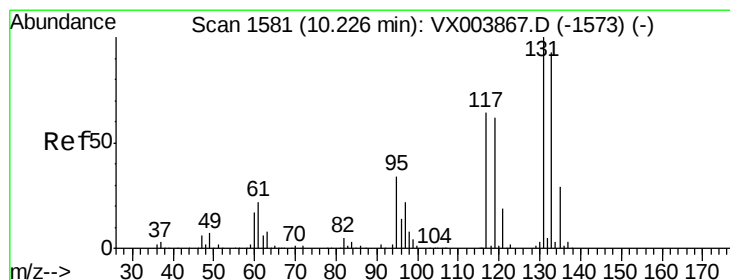
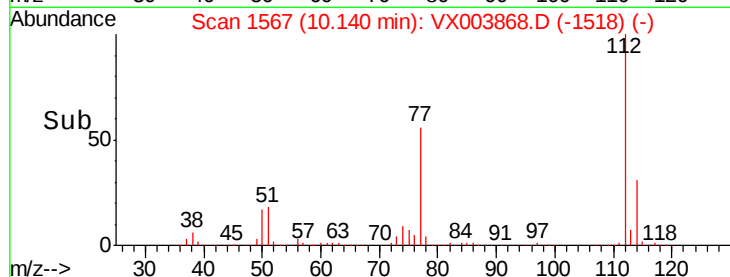
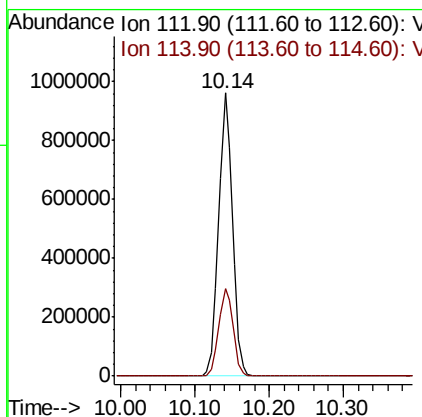
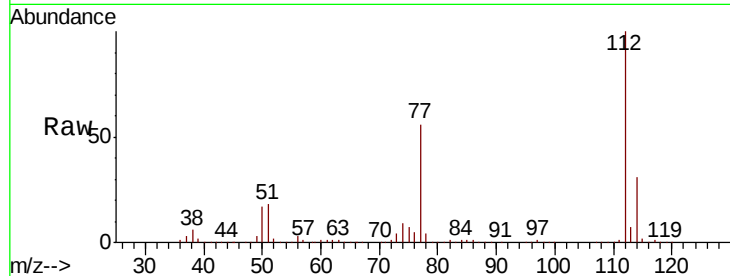
#65
Chlorobenzene
Concen: 98.71 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 1227263
Ion Ratio Lower Upper
112 100
114 31.1 23.6 35.4

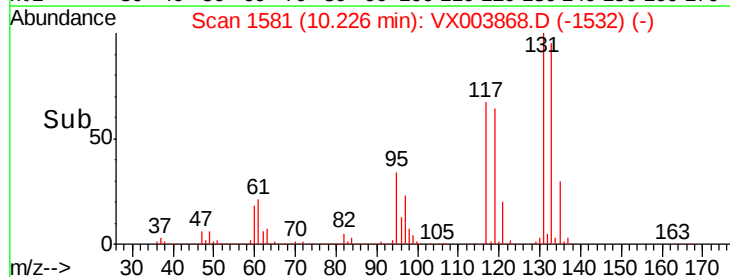
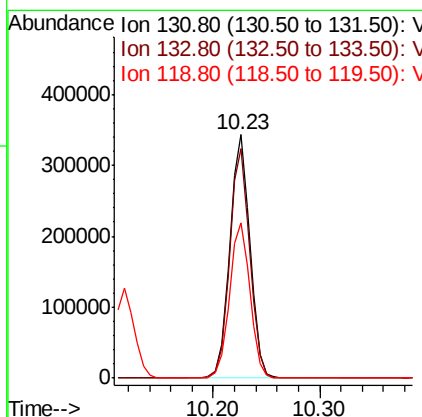
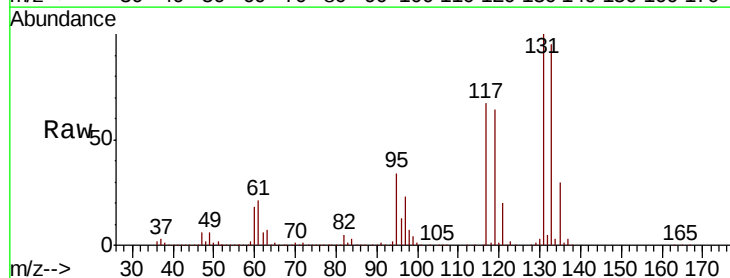
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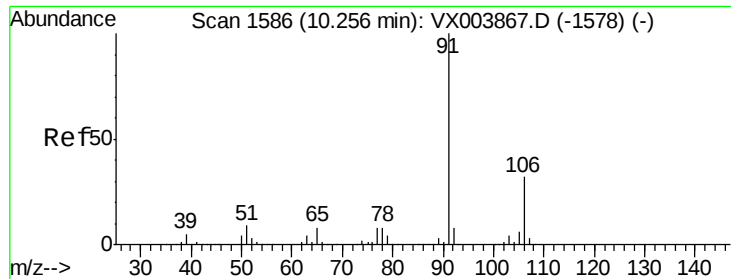
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 104.29 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion:131 Resp: 454994
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.8
119 64.9 31.6 94.8





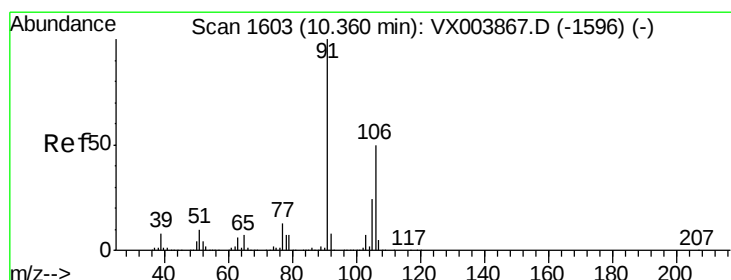
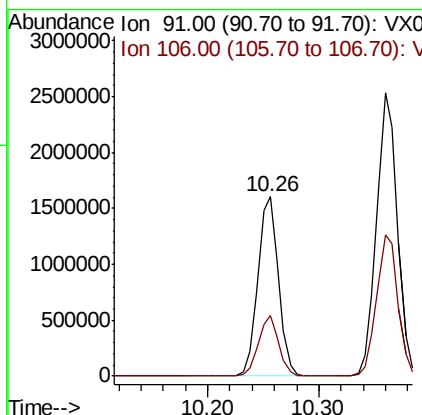
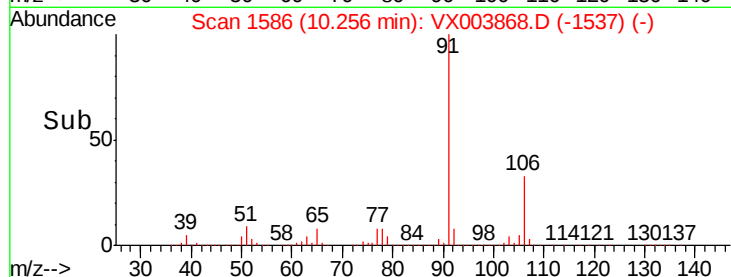
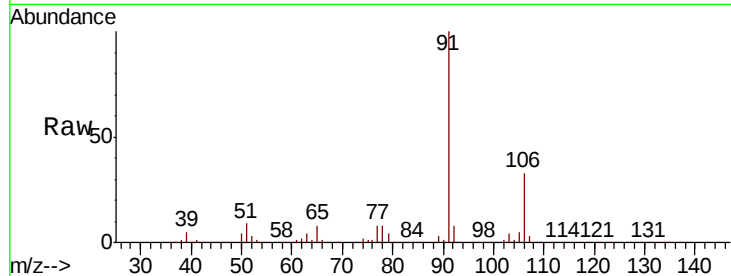
#67
Ethyl Benzene
Concen: 104.04 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2080273
Ion Ratio Lower Upper
91 100
106 33.5 25.9 38.9

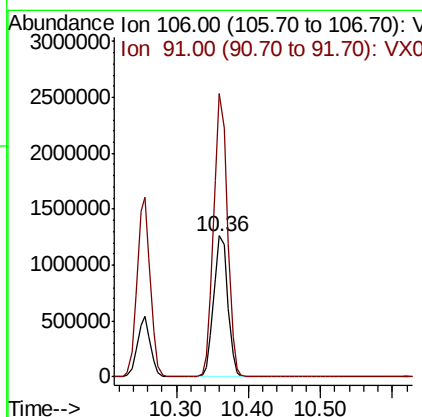
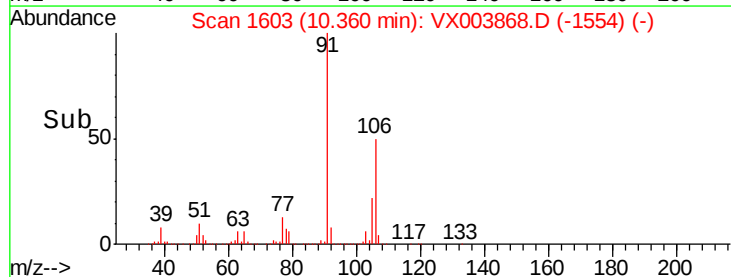
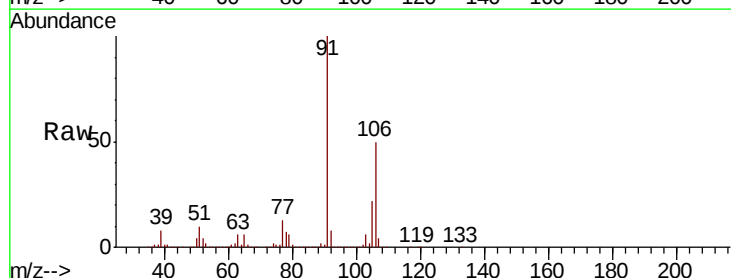
Manual Integrations
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8/7/2018 1:13:01 PM



#68
m/p-Xylenes
Concen: 218.40 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion: 106 Resp: 1703018
Ion Ratio Lower Upper
106 100
91 195.8 162.3 243.5





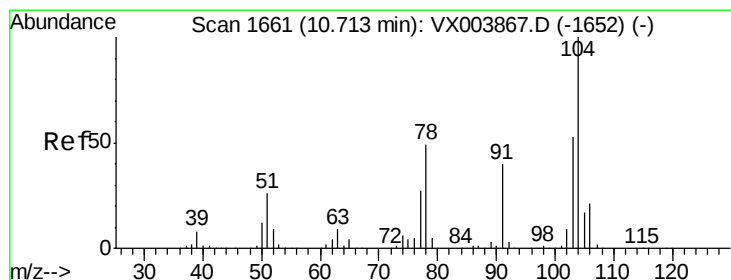
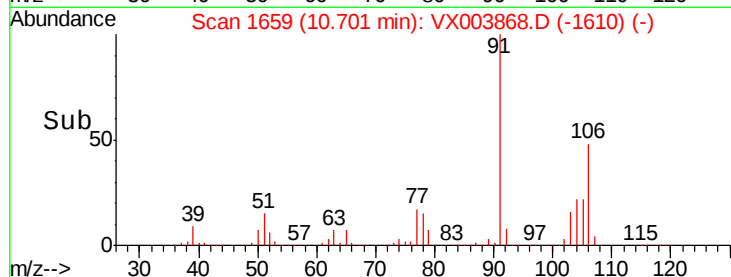
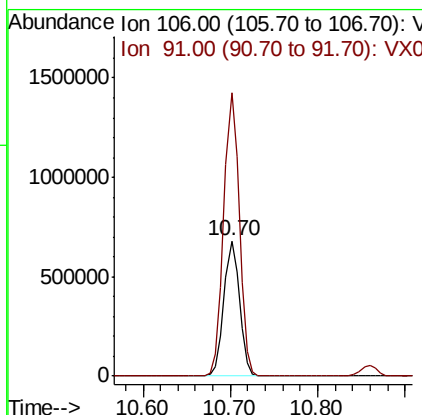
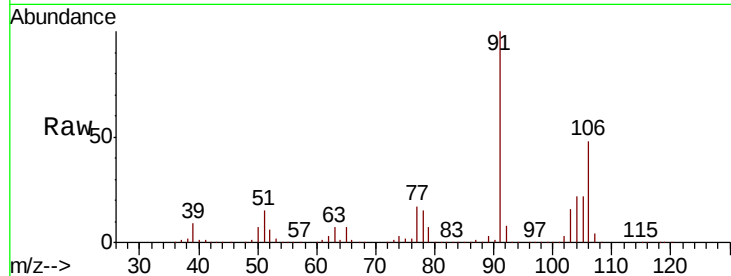
#69
o-Xylene
Concen: 111.81 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 837323
Ion Ratio Lower Upper
106 100
91 209.6 101.9 305.7

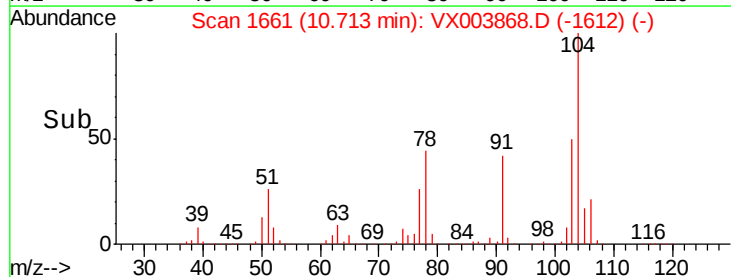
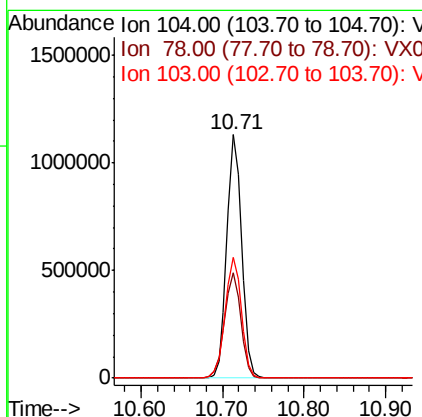
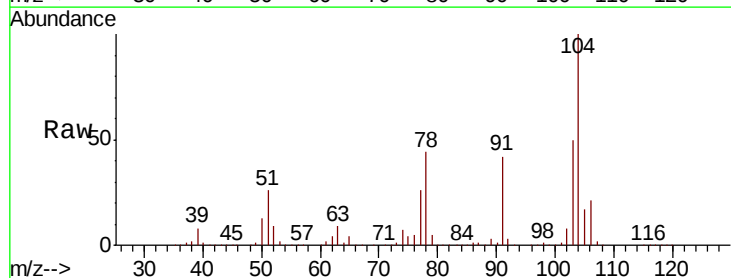
Manual Integrations
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#70
Styrene
Concen: 115.59 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion:104 Resp: 1424495
Ion Ratio Lower Upper
104 100
78 47.7 39.8 59.6
103 54.0 44.3 66.5





#71

Bromoform

Concen: 109.37 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 387817

Ion Ratio Lower Upper

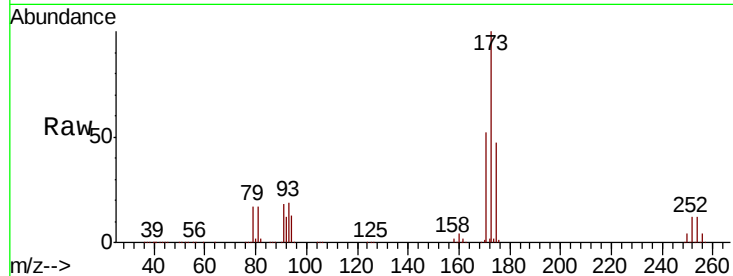
173 100

175 47.5 24.9 74.7

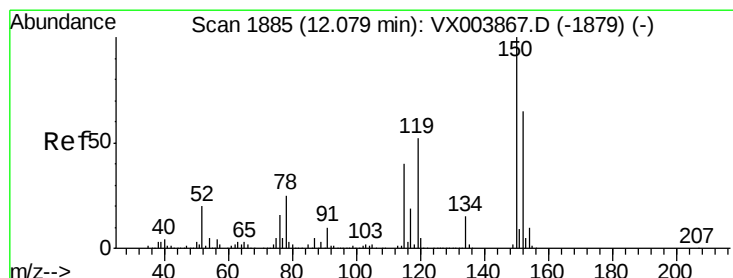
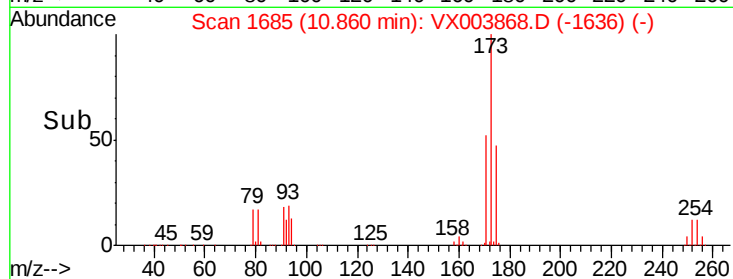
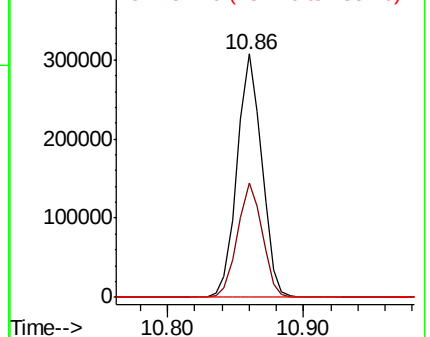
254 0.2 0.2 0.2

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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: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

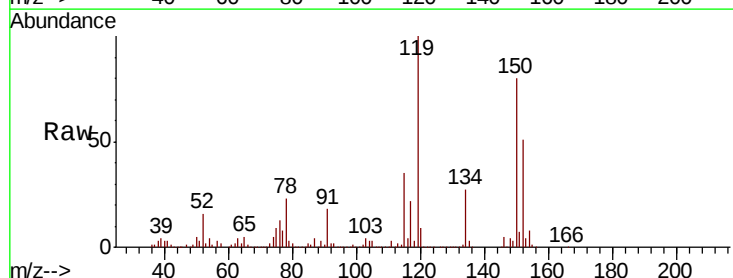
Tgt Ion:152 Resp: 274248

Ion Ratio Lower Upper

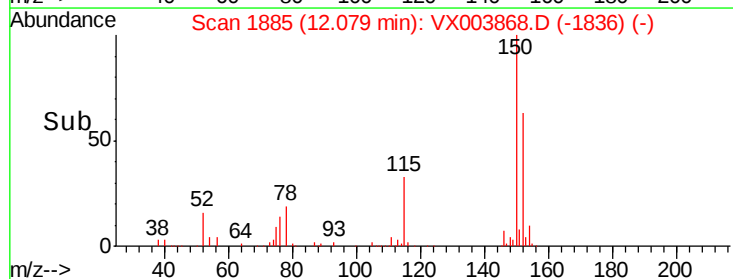
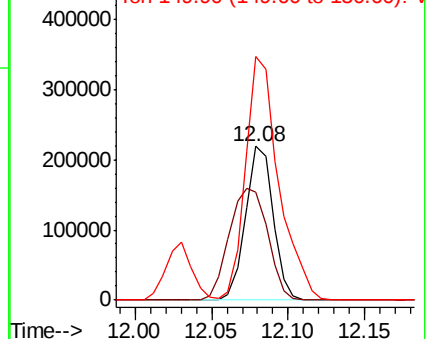
152 100

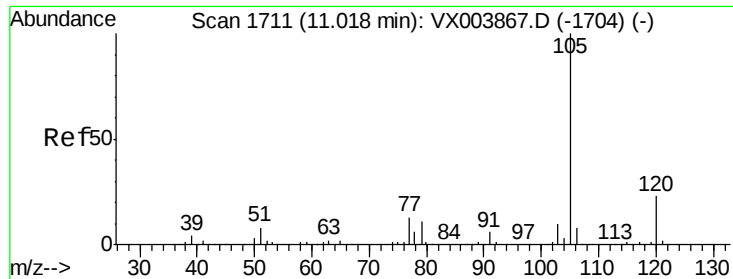
115 100.7 39.1 117.3

150 190.8 0.0 349.2



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: 118.06 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2162919

Ion Ratio Lower Upper

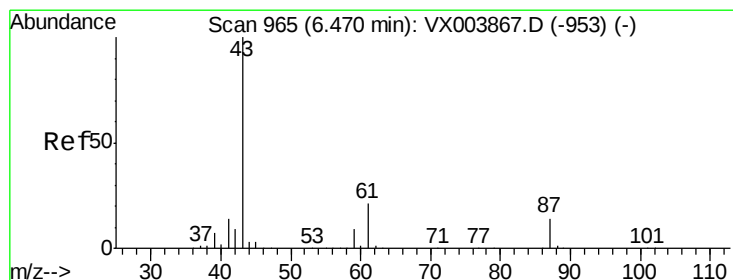
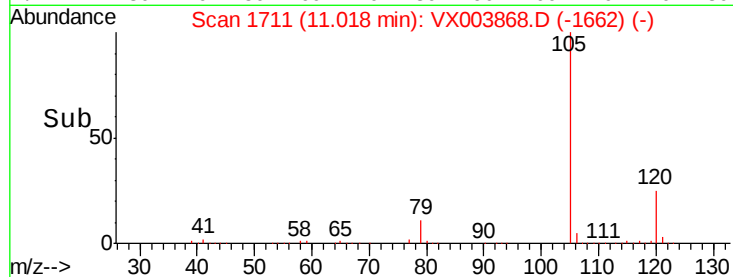
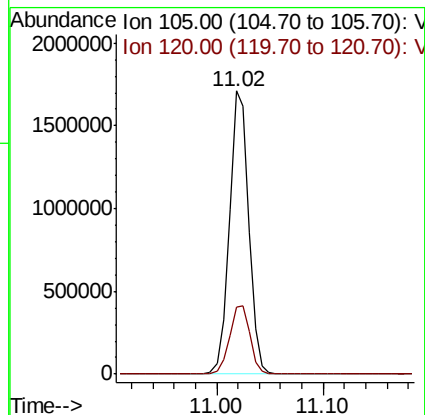
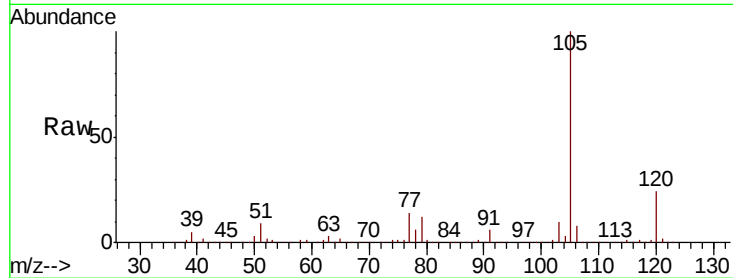
105 100

120 25.6 12.6 37.8

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#74

N-ethyl acetate

Concen: 114.05 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Tgt Ion: 43 Resp: 1024398

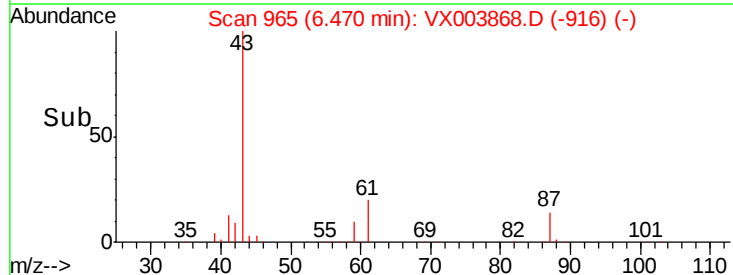
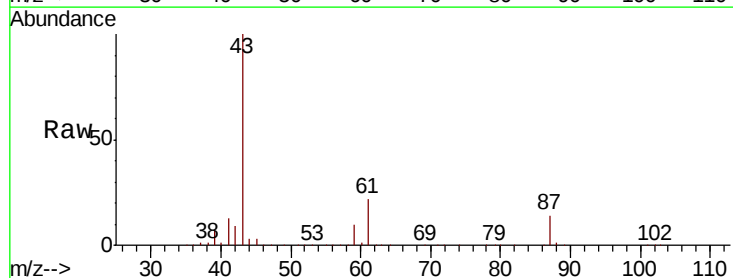
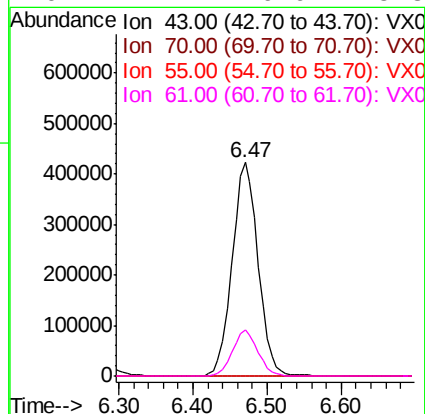
Ion Ratio Lower Upper

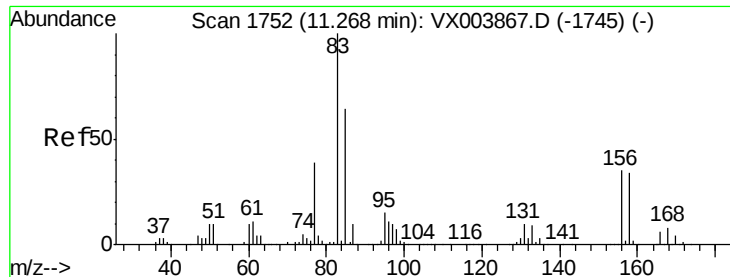
43 100

70 0.0 0.0 0.0#

55 0.0 0.1 0.1#

61 21.2 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 110.28 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

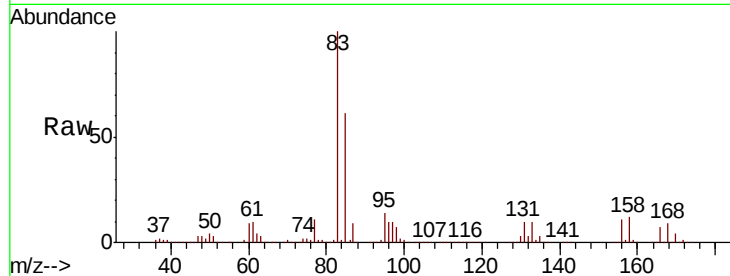
ClientSampleId :

VSTDIC100

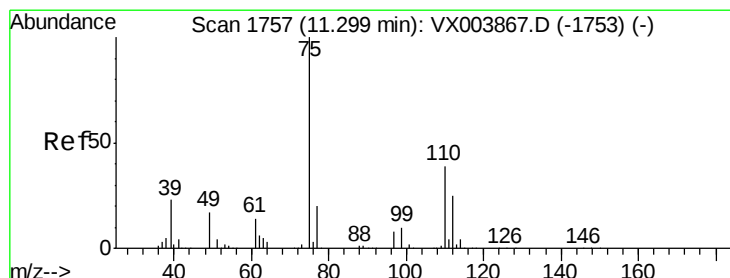
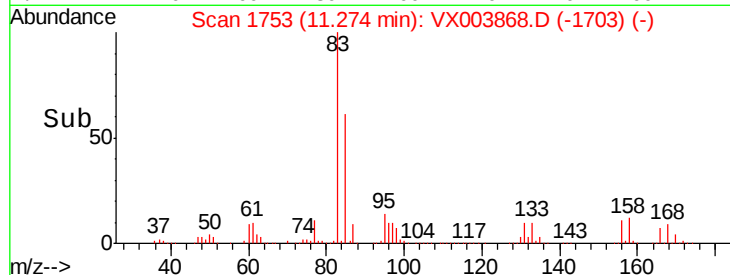
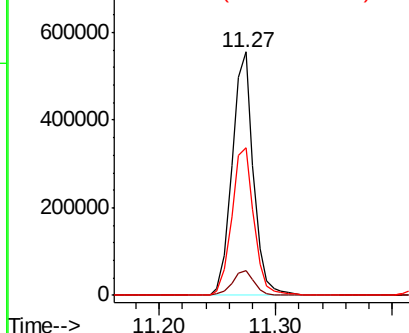
Tot Ion:	83	Resp:	707679
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	63.2	32.2	96.6

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 112.60 ug/l m

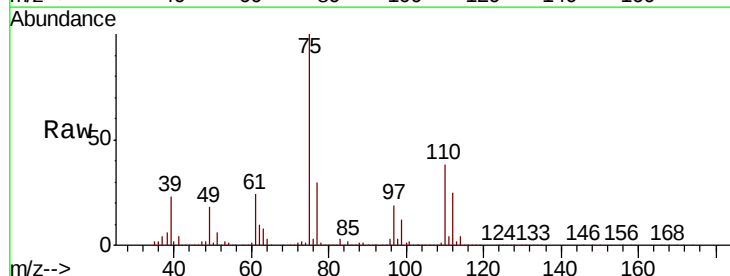
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

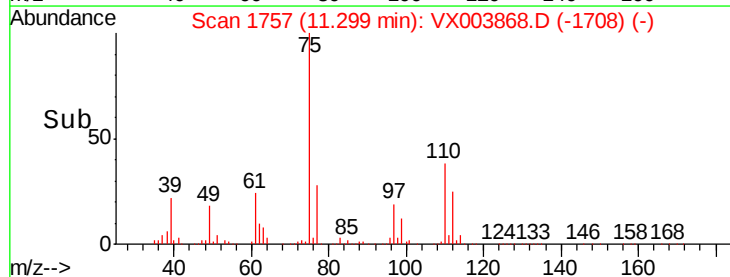
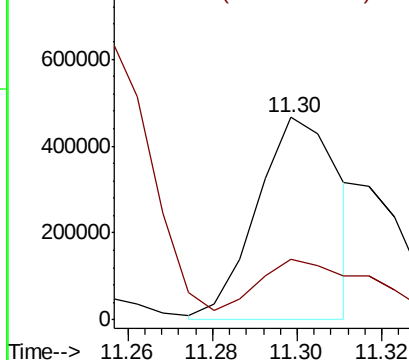
Lab File: VX003868.D

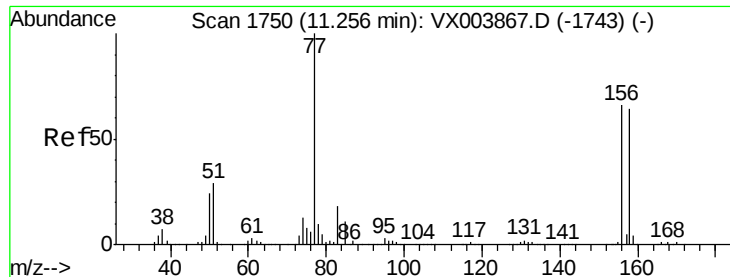
Acq: 06 Aug 2018 18:13

Tgt Ion:	75	Resp:	626119
Ion Ratio	Lower	Upper	
75	100		
77	42.6	20.8	62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 112.32 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

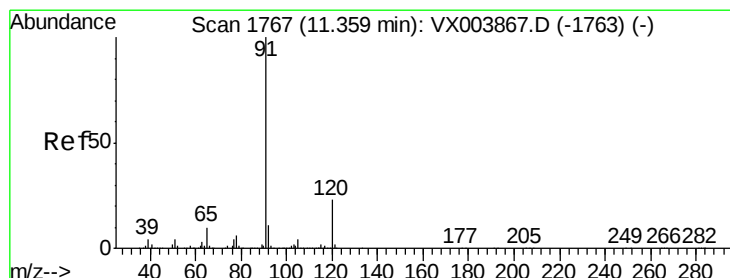
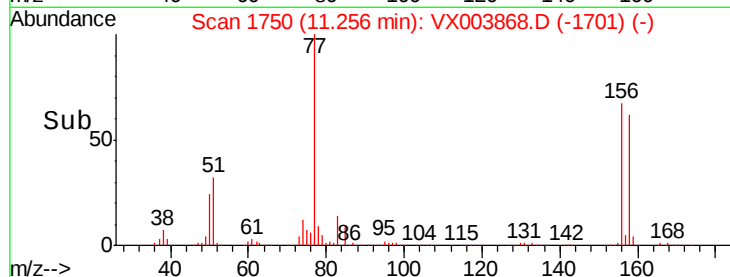
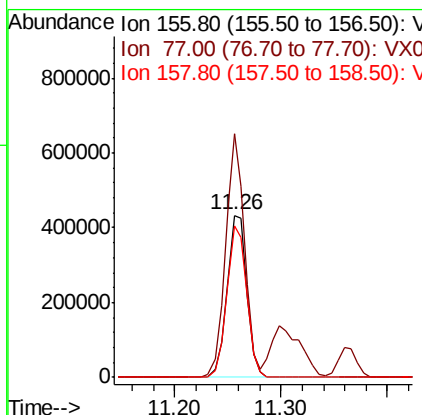
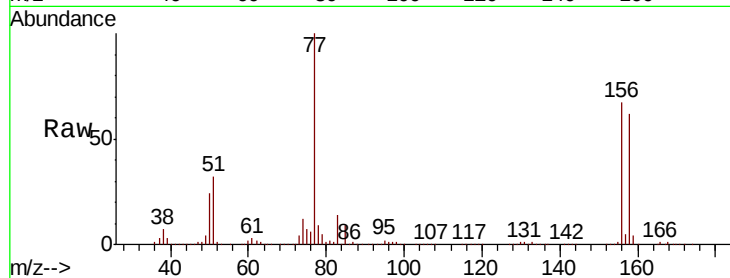
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	562061
Ion Ratio	Lower	Upper	
156	100		
77	143.0	74.1	222.2
158	94.2	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 116.37 ug/l

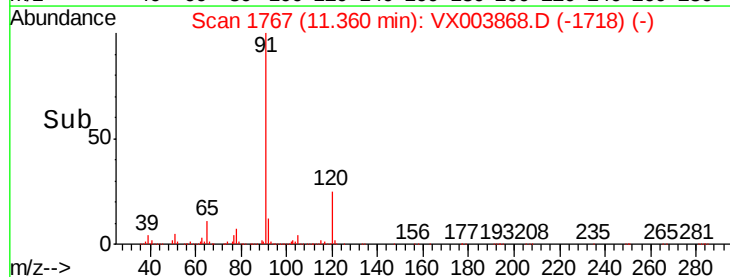
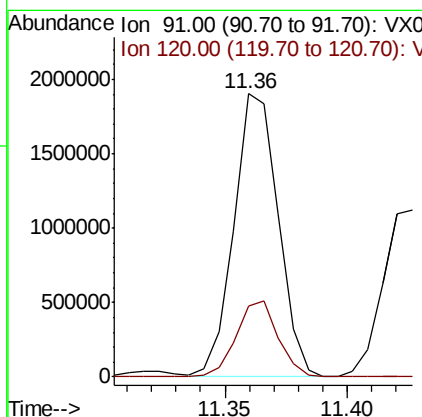
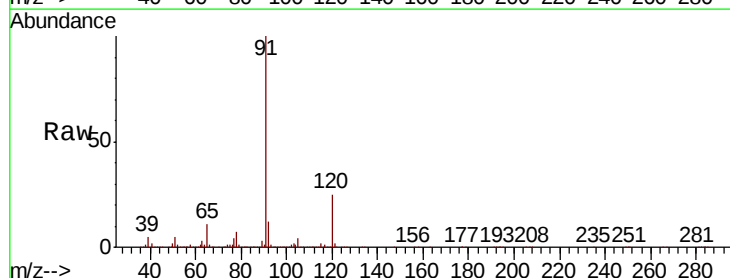
RT: 11.36 min Scan# 1767

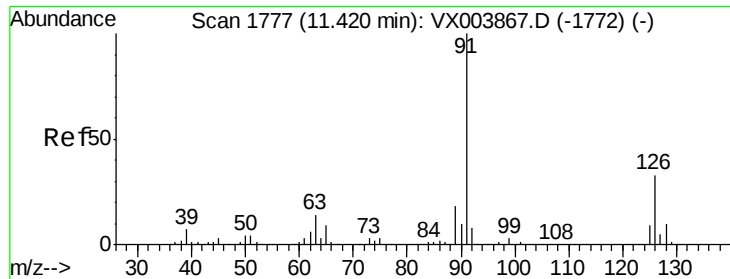
Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Tgt Ion:	91	Resp:	2374050
Ion Ratio	Lower	Upper	
91	100		
120	25.4	11.9	35.5





#79

2-Chlorotoluene

Concen: 114.70 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1429418

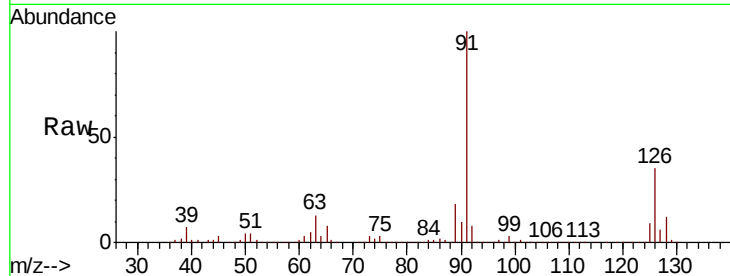
Ion Ratio Lower Upper

91 100

126 34.3 17.4 52.3

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX003867.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX003867.D (-1772) (-)

2000000

1500000

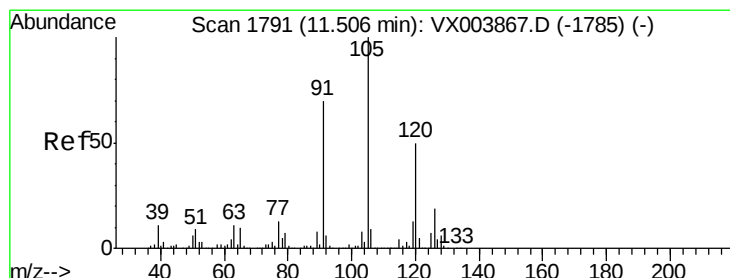
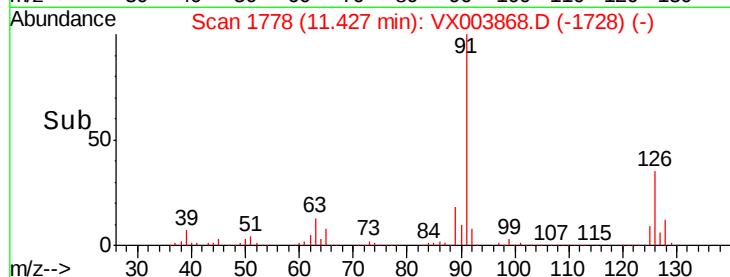
1000000

500000

0

11.40 11.43 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 121.41 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003868.D

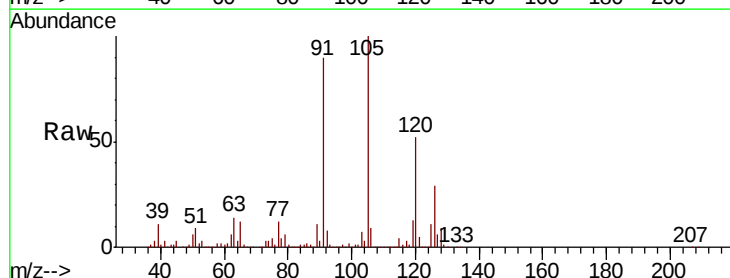
Acq: 06 Aug 2018 18:13

Tgt Ion:105 Resp: 1816736

Ion Ratio Lower Upper

105 100

120 49.3 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): VX003867.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003867.D (-1785) (-)

1500000

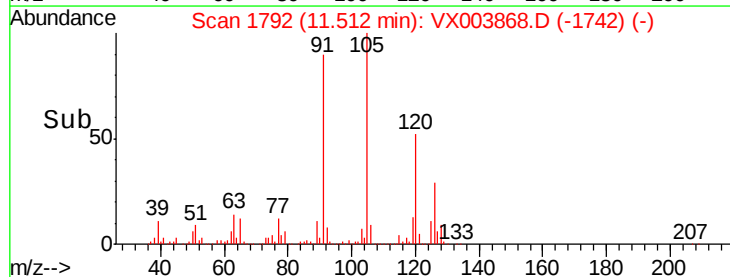
1000000

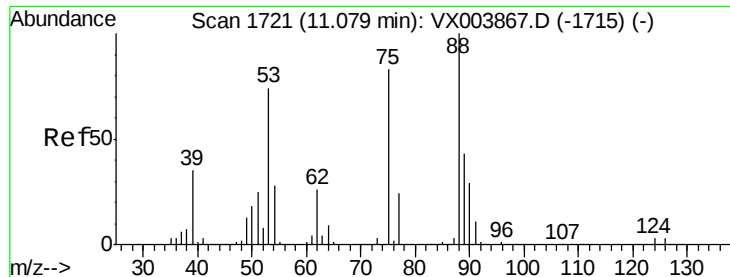
500000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 132.19 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

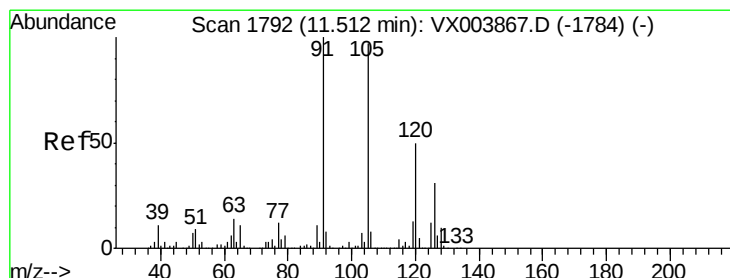
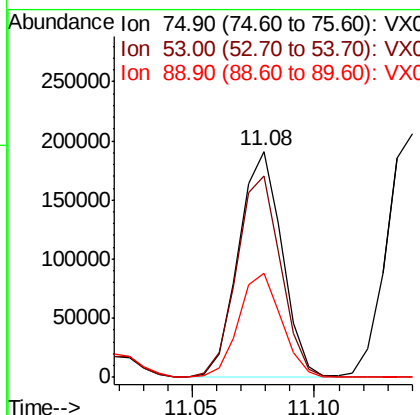
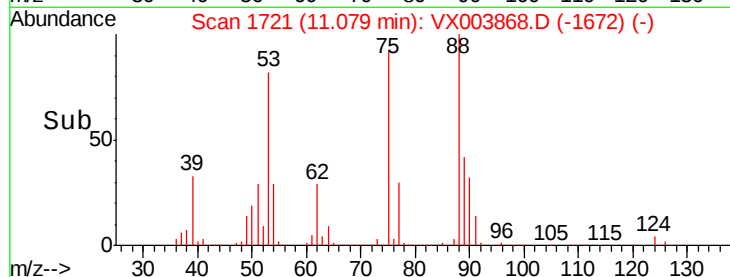
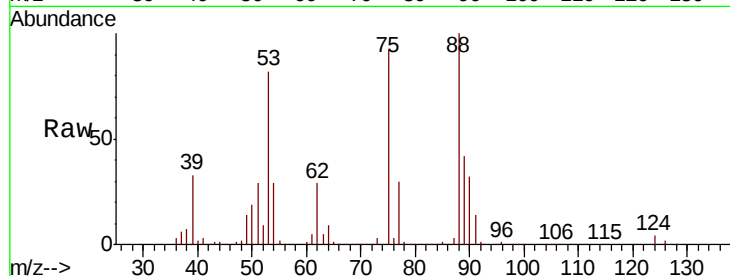
ClientSampled :

VSTDIC100

Tot Ion:	75	Resp:	235640
Ion Ratio	Lower	Upper	
75	100		
53	89.8	80.3	120.5
89	45.4	37.8	56.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 115.40 ug/l

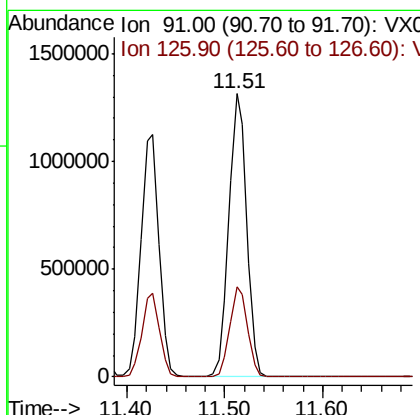
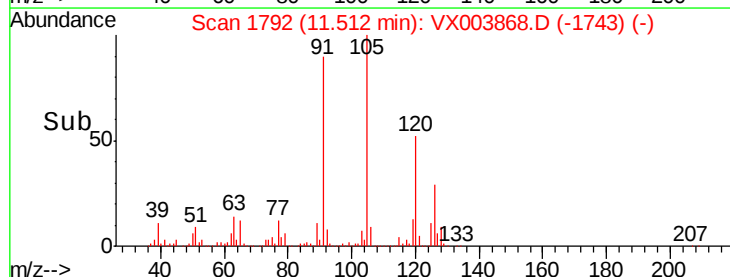
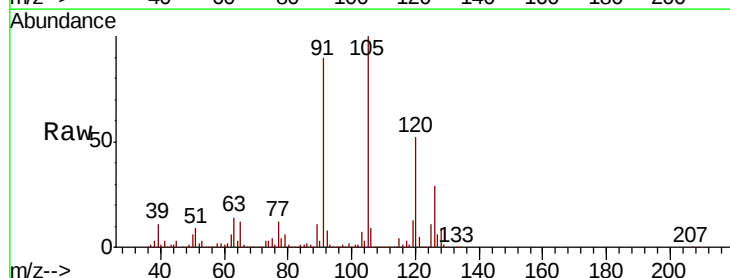
RT: 11.51 min Scan# 1792

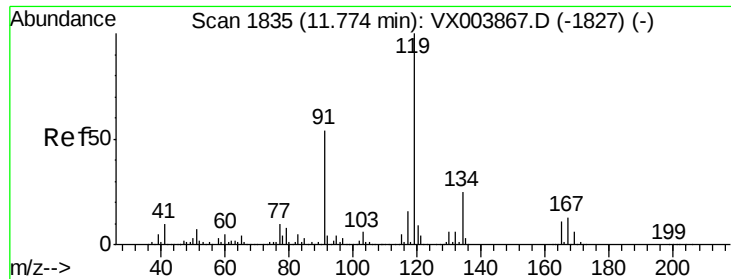
Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Tgt Ion:	91	Resp:	1664680
Ion Ratio	Lower	Upper	
91	100		
126	31.5	15.6	46.7





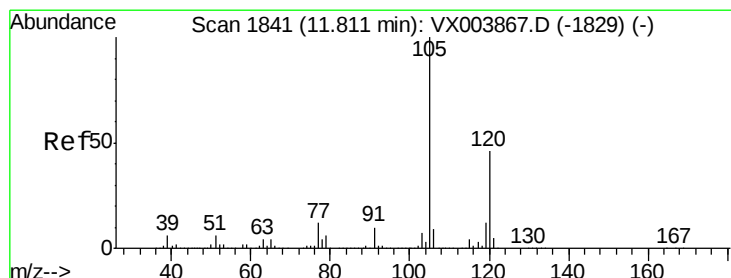
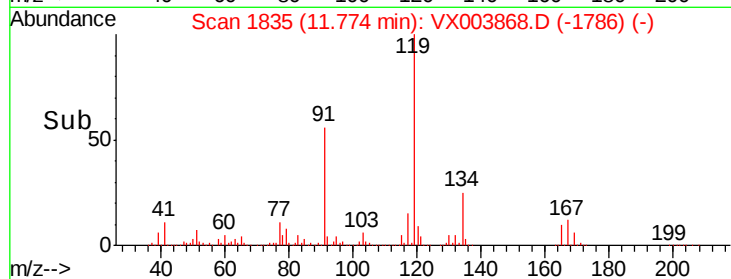
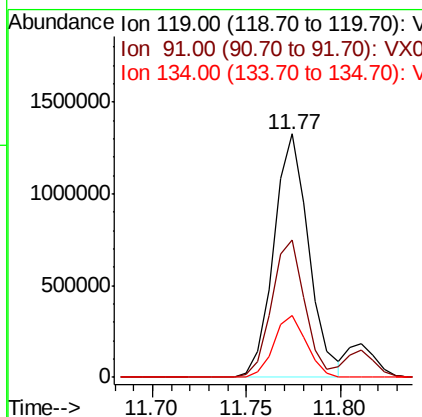
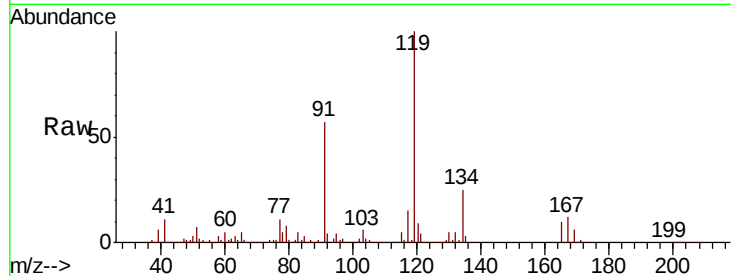
#83
 tert-Butylbenzene
 Concen: 111.97 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.7	26.9	80.7
134	24.1	12.0	36.0

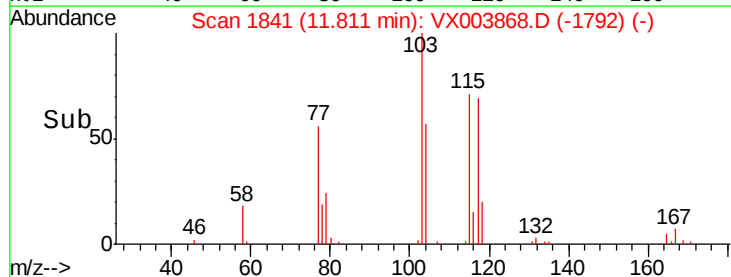
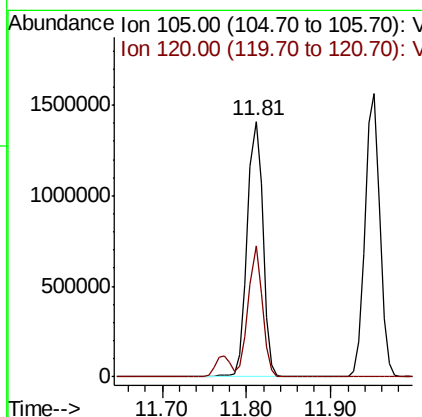
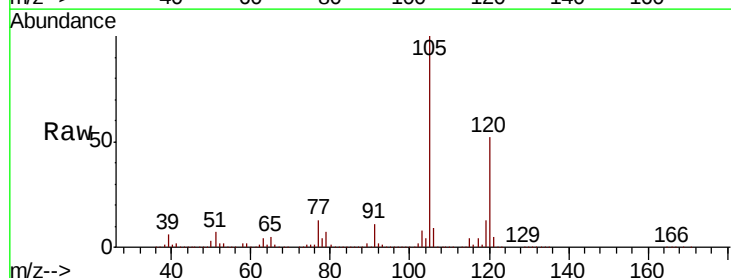
Manual Integrations
 APPROVED

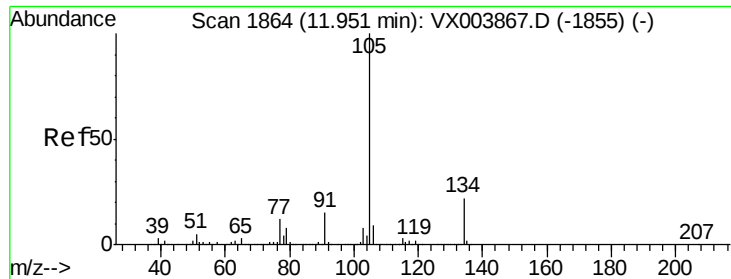
MMDadoda
 8/7/2018 1:13:01 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 112.19 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2





#85

sec-Butylbenzene

Concen: 108.18 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1918350

Ion Ratio Lower Upper

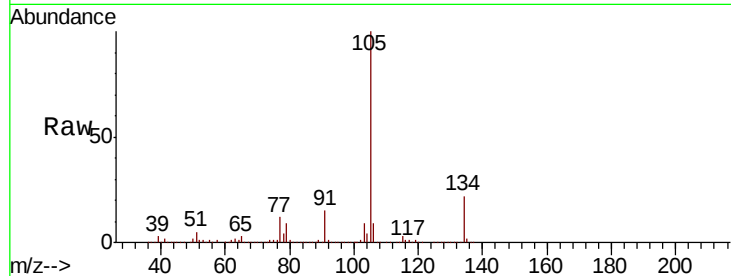
105 100

134 21.0 10.3 30.9

Manual Integrations
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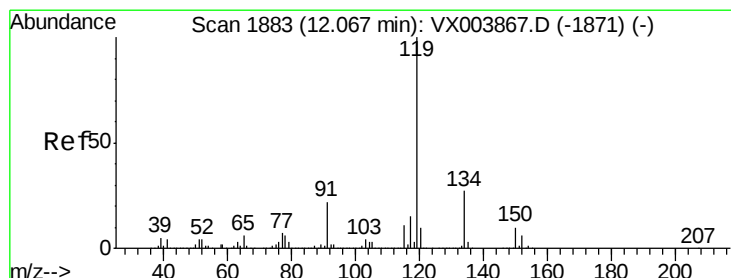
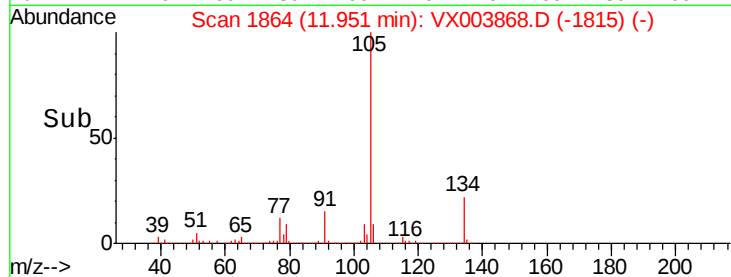
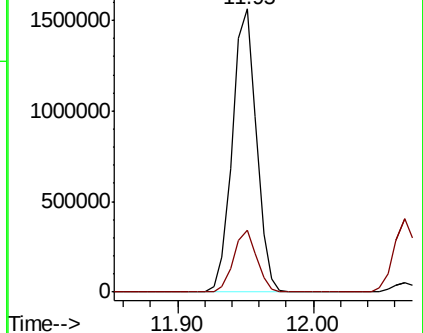
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 109.75 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

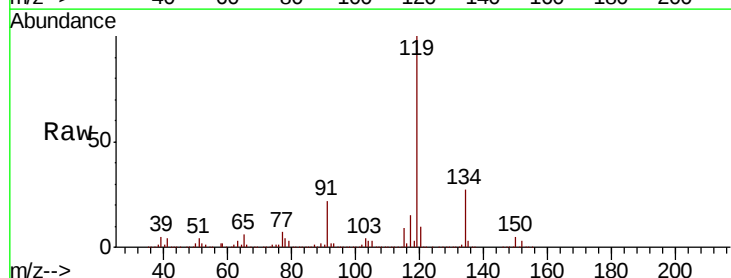
Tgt Ion:119 Resp: 1752725

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

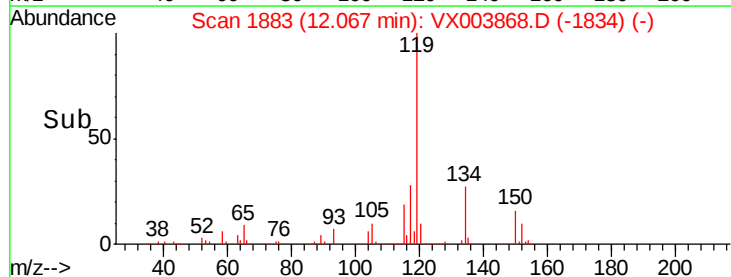
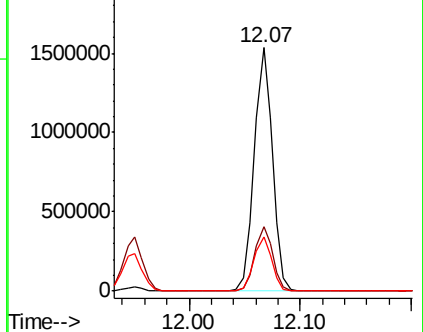
91 21.8 10.9 32.7

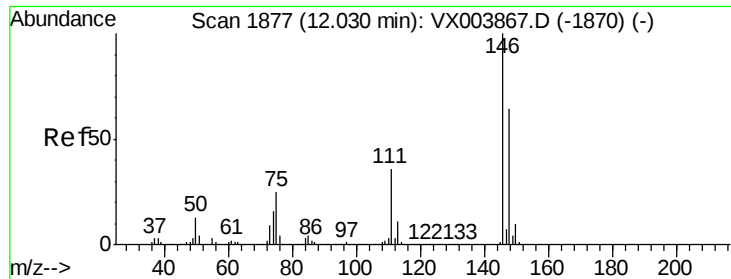


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





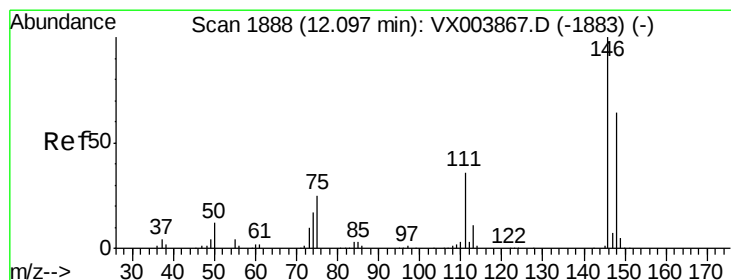
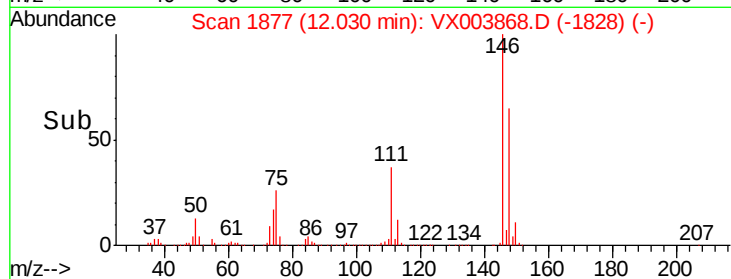
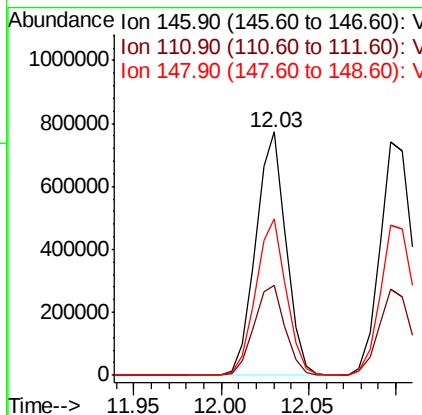
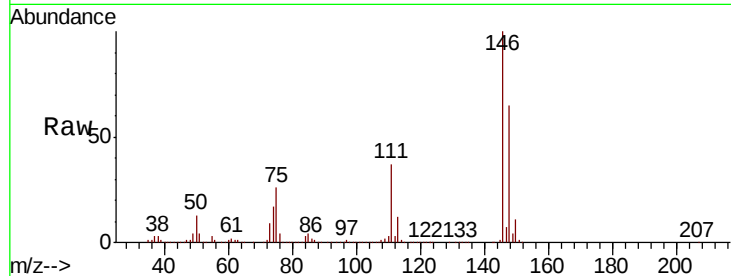
#87
 1,3-Dichlorobenzene
 Concen: 99.42 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	64.5	31.9	95.5

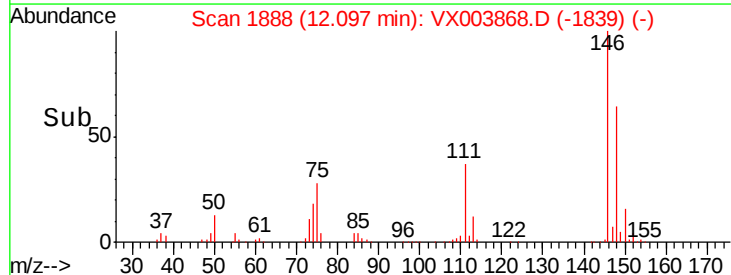
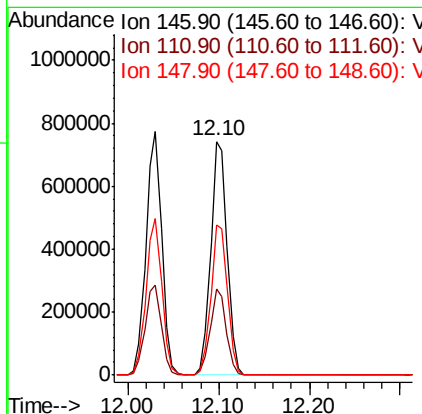
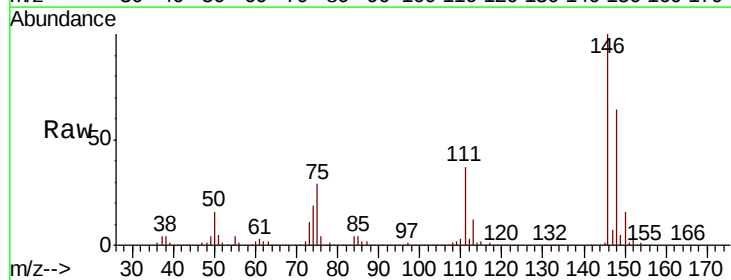
Manual Integrations
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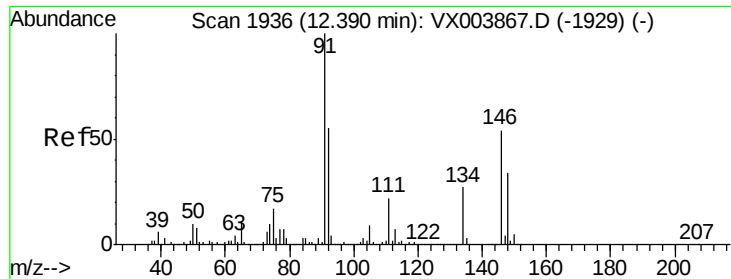
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 98.03 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.4	55.0
148	65.0	32.3	96.8





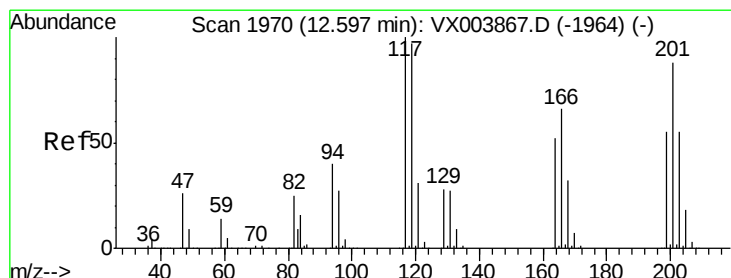
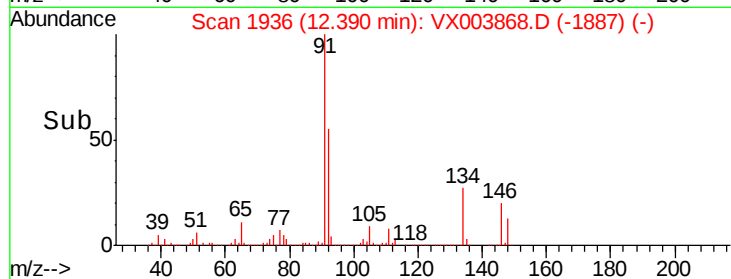
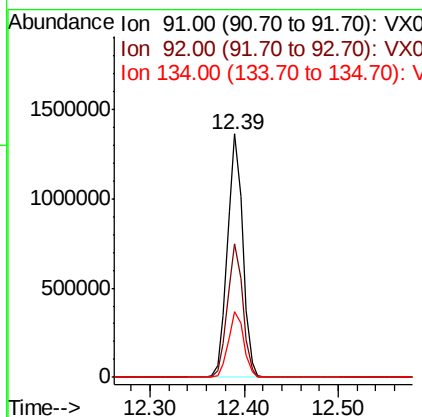
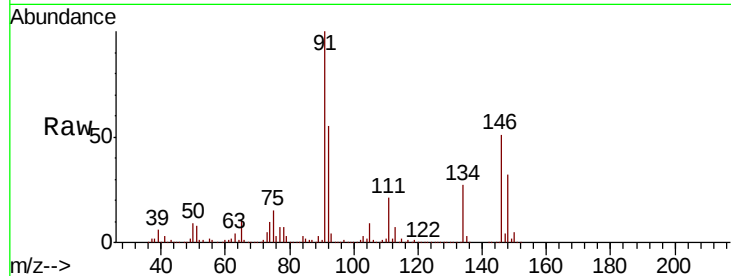
#89
n-Butylbenzene
Concen: 111.33 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1534114
Ion Ratio Lower Upper
91 100
92 54.8 27.1 81.3
134 27.3 13.6 40.7

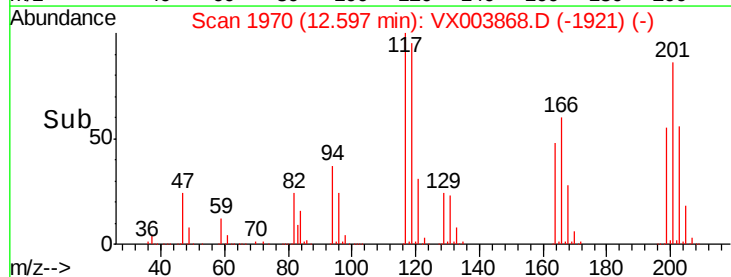
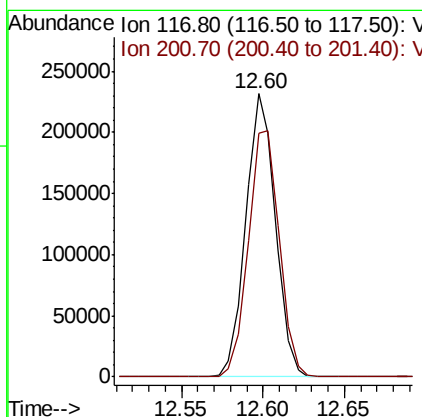
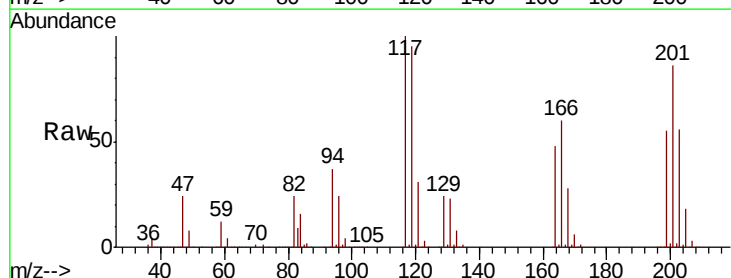
Manual Integrations
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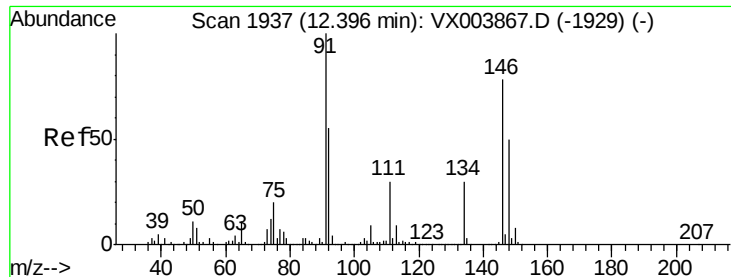
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#90
Hexachloroethane
Concen: 112.98 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003868.D
Acq: 06 Aug 2018 18:13

Tgt Ion: 117 Resp: 292625
Ion Ratio Lower Upper
117 100
201 91.2 46.1 138.2





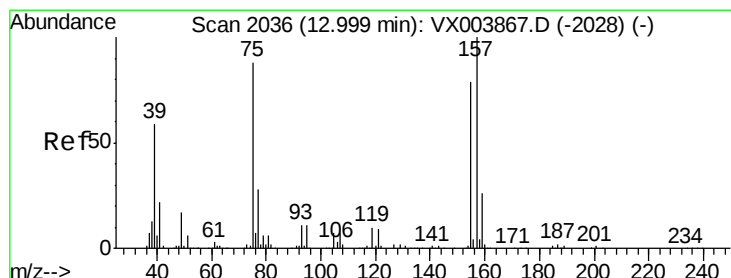
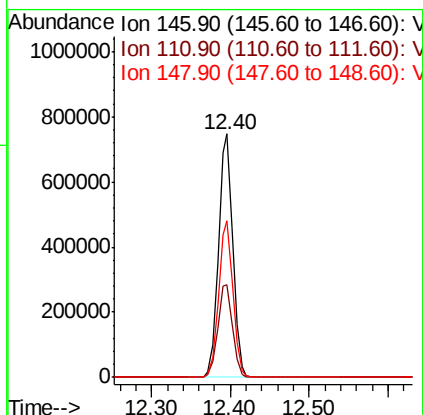
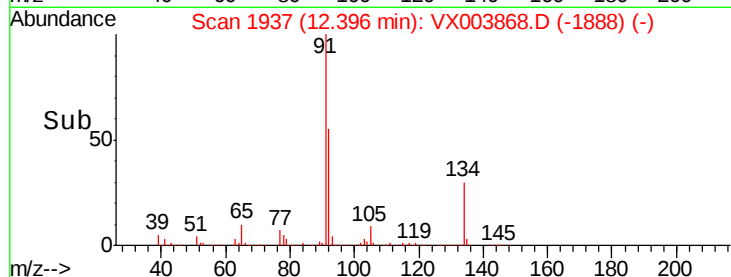
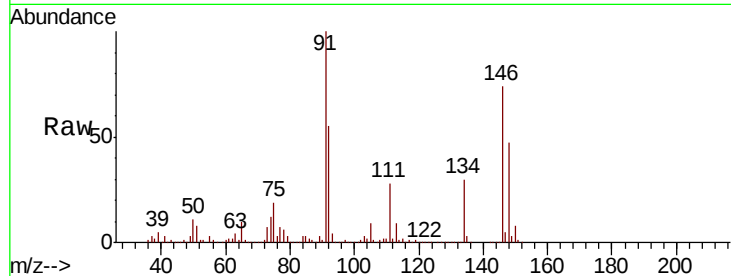
#91
 1,2-Dichlorobenzene
 Concen: 98.64 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	64.2	31.9	95.5

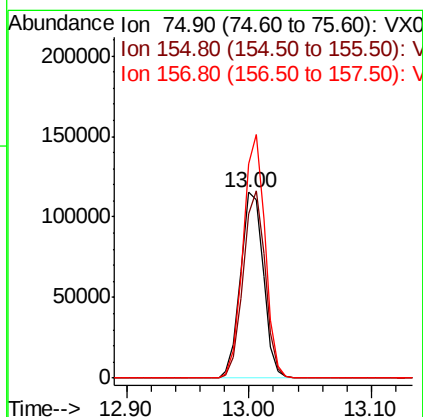
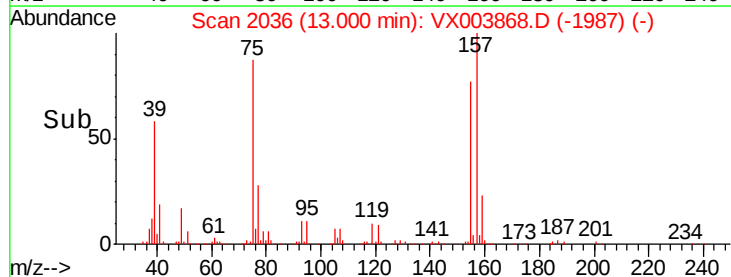
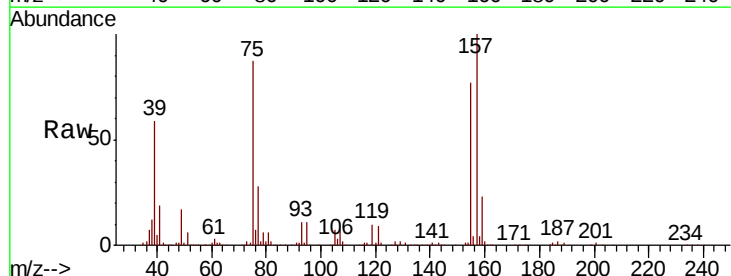
Manual Integrations
 APPROVED

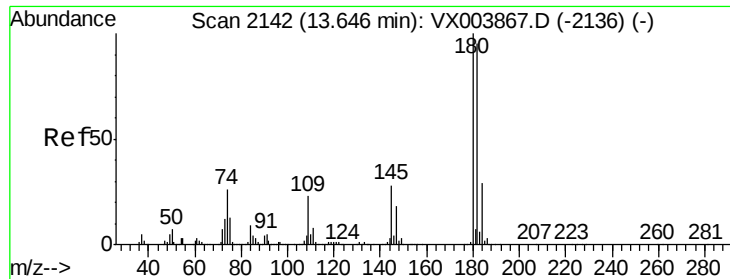
MMDadoda
 8/7/2018 1:13:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 104.85 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	48.7	146.1
157	125.9	62.6	187.8





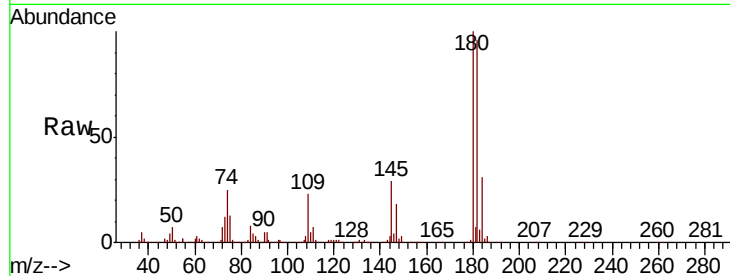
#93
 1,2,4-Trichlorobenzene
 Concen: 104.34 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

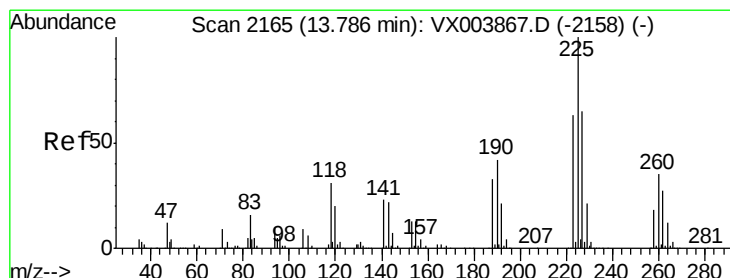
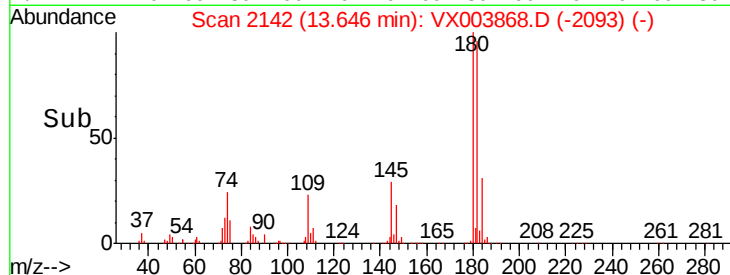
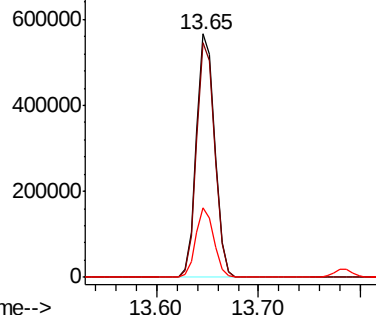
Tot Ion	Ratio	Resp	Lower	Upper
180	100	705783		
182	95.8	47.7	143.1	
145	27.9	13.9	41.6	

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:13:01 PM

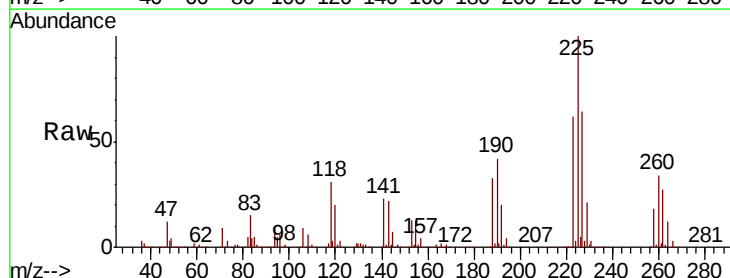


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

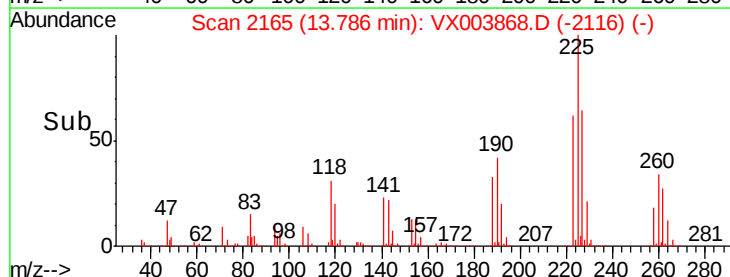
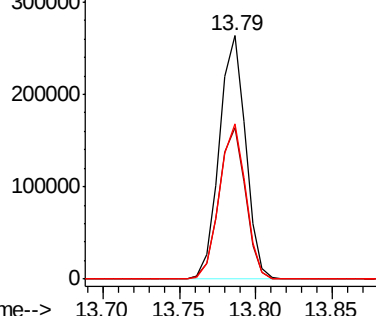


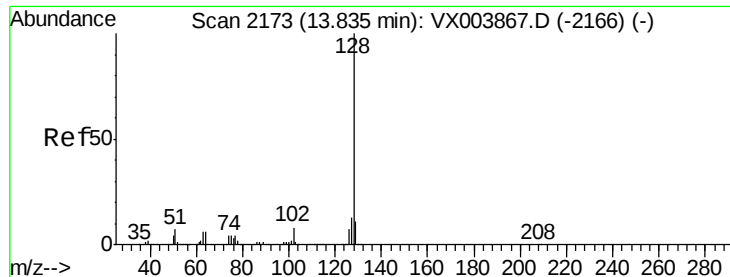
#94
 Hexachlorobutadiene
 Concen: 96.02 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003868.D
 Acq: 06 Aug 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	313919		
223	62.6	31.4	94.0	
227	63.5	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 110.98 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 2177415

Ion Ratio Lower Upper

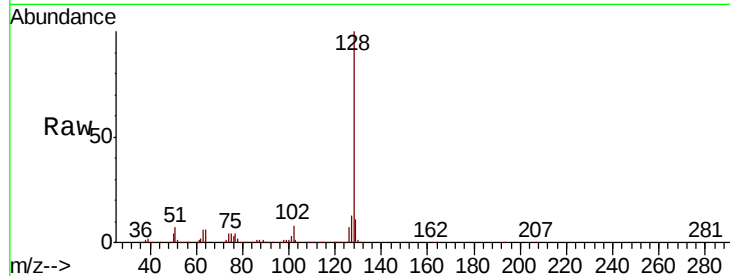
128 100

127 12.8 10.2 15.2

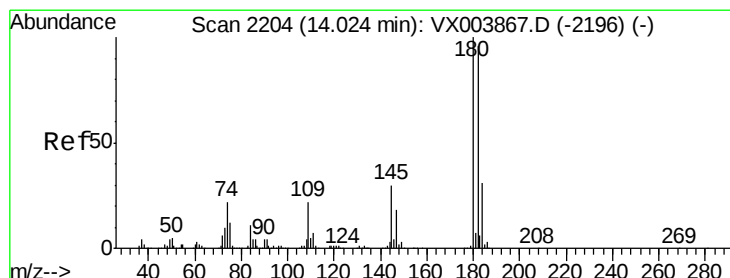
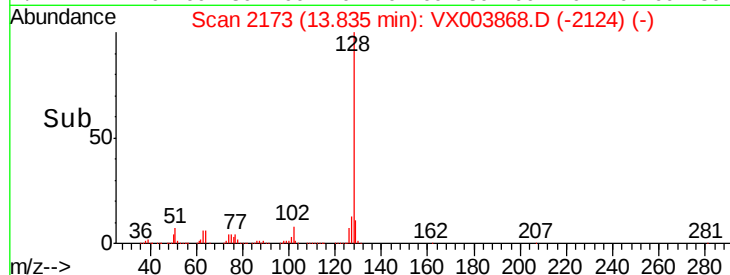
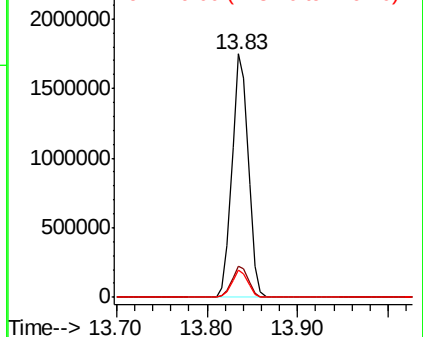
129 11.1 8.8 13.2

Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:13:01 PM



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: 101.10 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003868.D

Acq: 06 Aug 2018 18:13

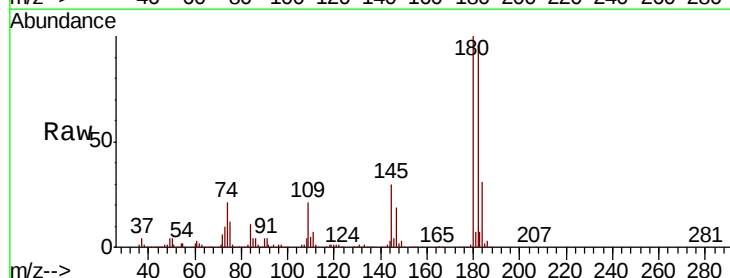
Tgt Ion:180 Resp: 707538

Ion Ratio Lower Upper

180 100

182 96.0 48.1 144.4

145 29.8 14.9 44.7



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

