

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072318\
 Data File : VX003617.D
 Acq On : 23 Jul 2018 21:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/24/2018 3:54:41 PM

Quant Time: Jul 24 08:28:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	361162	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	155289	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	5.51	113	148126	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
50) Toluene-d8	8.72	98	547867	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
62) 4-Bromofluorobenzene	11.14	95	202699	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	106590	50.31	ug/l	98
3) Chloromethane	1.32	50	137569	52.44	ug/l	99
4) Vinyl Chloride	1.40	62	157051	46.32	ug/l	99
5) Bromomethane	1.64	94	95734	72.08	ug/l	99
6) Chloroethane	1.72	64	97072	48.39	ug/l	99
7) Trichlorofluoromethane	1.92	101	218876	48.39	ug/l	99
8) Diethyl Ether	2.19	74	92092	47.41	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.38	101	138723	46.86	ug/l	95
10) Methyl Iodide	2.51	142	196607	55.28	ug/l	92
11) Tert butyl alcohol	3.08	59	172489	275.93	ug/l	100
12) 1,1-Dichloroethene	2.37	96	131149	48.11	ug/l	86
13) Acrolein	2.29	56	47360	167.68	ug/l	97
14) Allyl chloride	2.73	41	223480	46.32	ug/l	86
15) Acrylonitrile	3.15	53	401487	252.27	ug/l	98
16) Acetone	2.45	43	311686	261.21	ug/l #	87
17) Carbon Disulfide	2.57	76	325187	44.11	ug/l	98
18) Methyl Acetate	2.78	43	199299	52.98	ug/l #	89
19) Methyl tert-butyl Ether	3.21	73	461362	51.83	ug/l	99
20) Methylene Chloride	2.86	84	153567	52.68	ug/l	87
21) trans-1,2-Dichloroethene	3.16	96	145406	47.95	ug/l	90
22) Diisopropyl ether	3.88	45	449862	49.55	ug/l #	92
23) Vinyl Acetate	3.83	43	1840440	246.08	ug/l #	94
24) 1,1-Dichloroethane	3.70	63	265346	49.81	ug/l	99
25) 2-Butanone	4.71	43	527521	263.49	ug/l #	90
26) 2,2-Dichloropropane	4.59	77	163095	40.31	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	169658	50.24	ug/l	96
28) Bromochloromethane	5.03	49	108273	46.50	ug/l #	77
29) Tetrahydrofuran	5.17	42	345166	260.99	ug/l	89
30) Chloroform	5.22	83	270702	52.04	ug/l	95
31) Cyclohexane	5.57	56	221532	46.54	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	233864	52.50	ug/l	96
36) 1,1-Dichloropropene	5.80	75	194532	49.89	ug/l	96
37) Ethyl Acetate	4.87	43	201970	54.74	ug/l #	94
38) Carbon Tetrachloride	5.78	117	210395	55.01	ug/l	98

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MMDadoda
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Quant Time: Jul 24 08:28:50 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	231191	50.06	ug/l	94
40) Benzene	6.15	78	635956	54.02	ug/l	97
41) Methacrylonitrile	5.07	41	112379	51.82	ug/l #	89
42) 1,2-Dichloroethane	6.20	62	198297	53.46	ug/l	93
43) Isopropyl Acetate	6.47	43	316523	53.93	ug/l #	92
44) Trichloroethene	7.22	130	187701	53.46	ug/l	94
45) 1,2-Dichloropropane	7.52	63	159487	53.35	ug/l	99
46) Dibromomethane	7.67	93	105431	54.78	ug/l	91
47) Bromodichloromethane	7.90	83	200631	56.94	ug/l	98
48) Methyl methacrylate	7.78	41	162835	55.01	ug/l #	81
49) 1,4-Dioxane	7.76	88	78456	1169.81	ug/l #	92
51) 4-Methyl-2-Pentanone	8.65	43	1057697	285.24	ug/l	90
52) Toluene	8.79	92	398374	53.76	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	235266	54.25	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	213318	54.70	ug/l #	87
55) 1,1,2-Trichloroethane	9.22	97	165494	56.12	ug/l	98
56) Ethyl methacrylate	9.18	69	240184	57.83	ug/l #	80
57) 1,3-Dichloropropane	9.38	76	263265	55.23	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	513149	254.08	ug/l	94
59) 2-Hexanone	9.50	43	793829	288.94	ug/l	86
60) Dibromochloromethane	9.59	129	174613	59.82	ug/l	99
61) 1,2-Dibromoethane	9.68	107	171524	56.11	ug/l	100
64) Tetrachloroethene	9.34	164	227941	53.74	ug/l	99
65) Chlorobenzene	10.14	112	465022	51.85	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	172445	55.88	ug/l	100
67) Ethyl Benzene	10.26	91	764813	53.03	ug/l	99
68) m/p-Xylenes	10.36	106	606996	107.36	ug/l	94
69) o-Xylene	10.70	106	295020	53.96	ug/l	94
70) Styrene	10.71	104	503707	56.01	ug/l	96
71) Bromoform	10.86	173	142850	59.58	ug/l	99
73) Isopropylbenzene	11.02	105	789827	52.03	ug/l	99
74) N-amyl acetate	6.47	43	316523	49.11	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	233387	52.47	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	205703m	52.17	ug/l	
77) Bromobenzene	11.26	156	223869	51.28	ug/l	94
78) n-propylbenzene	11.37	91	875290	51.88	ug/l	97
79) 2-Chlorotoluene	11.43	91	522122	50.97	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	657583	52.71	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	64424	46.58	ug/l	85
82) 4-Chlorotoluene	11.51	91	606325	50.52	ug/l	96
83) tert-Butylbenzene	11.77	119	642670	52.61	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	675549	53.22	ug/l	97
85) sec-Butylbenzene	11.95	105	776623	52.34	ug/l	98
86) p-Isopropyltoluene	12.07	119	708344	53.19	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	404736	50.43	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	405719	49.08	ug/l	99
89) n-Butylbenzene	12.39	91	576105	50.95	ug/l	97
90) Hexachloroethane	12.60	117	100602	53.14	ug/l	92
91) 1,2-Dichlorobenzene	12.40	146	407986	51.58	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48250	55.74	ug/l	80

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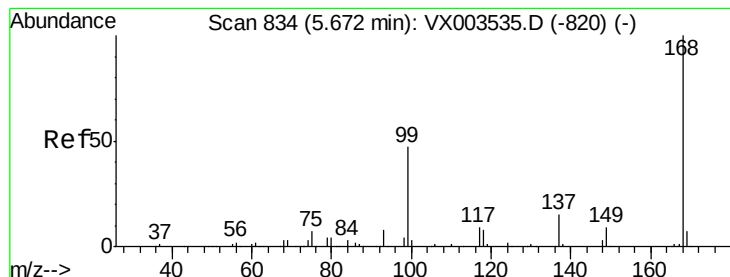
Manual Integrations
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MMDadoda
7/24/2018 3:54:41 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	298877	51.56	ug/l	100
94) Hexachlorobutadiene	13.79	225	144124	51.70	ug/l	98
95) Naphthalene	13.83	128	849935	55.80	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	307446	53.58	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: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 266872

Ion Ratio Lower Upper

168 100

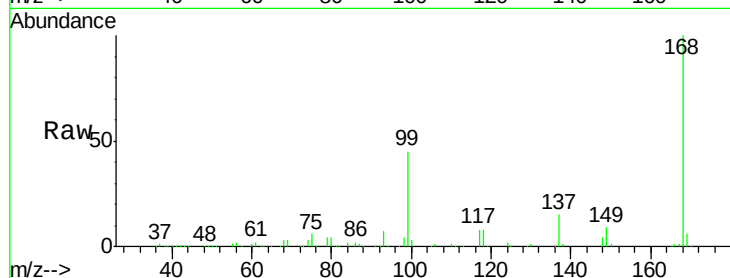
99 45.3 39.3 58.9

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

5.67

100000

80000

60000

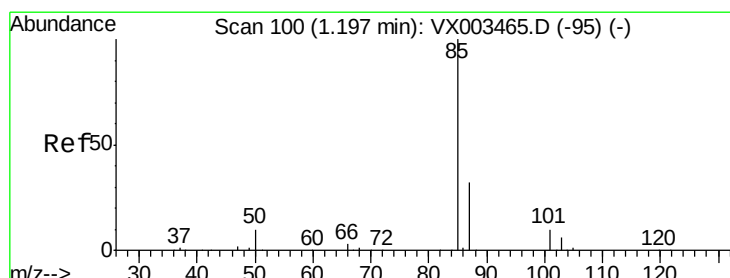
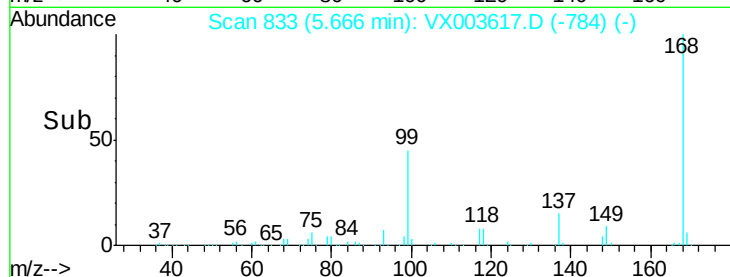
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 50.31 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003617.D

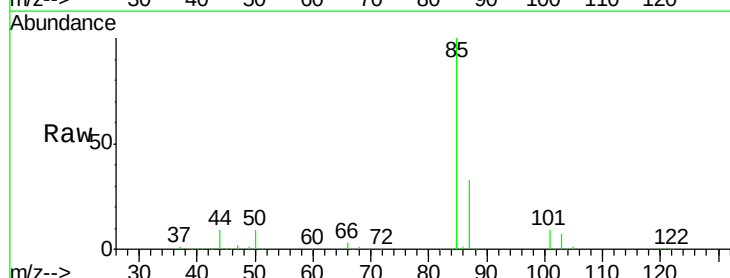
Acq: 23 Jul 2018 21:23

Tgt Ion: 85 Resp: 106590

Ion Ratio Lower Upper

85 100

87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

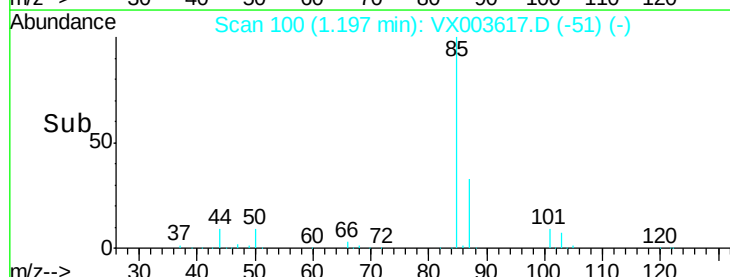
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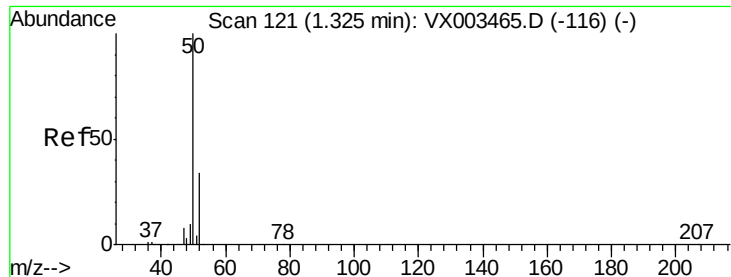
20000

0

Time-->

1.10 1.20 1.30





#3

Chloromethane

Concen: 52.44 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 137569

Ion Ratio Lower Upper

50 100

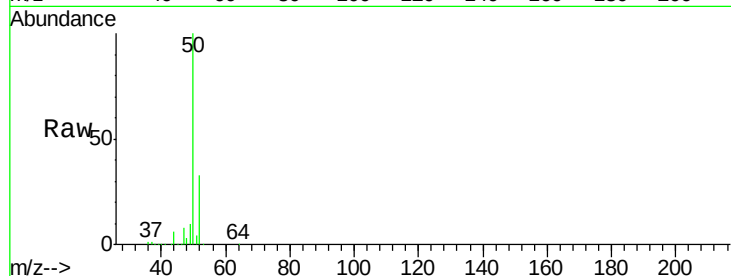
52 32.9 25.7 38.5

Manual Integrations

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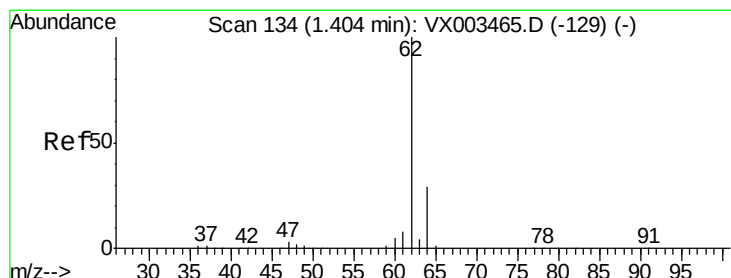
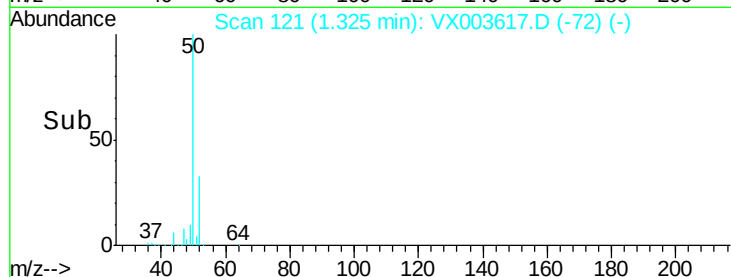
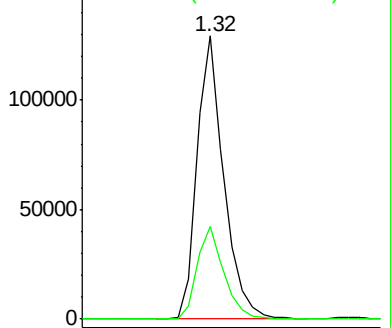
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.32 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003617.D

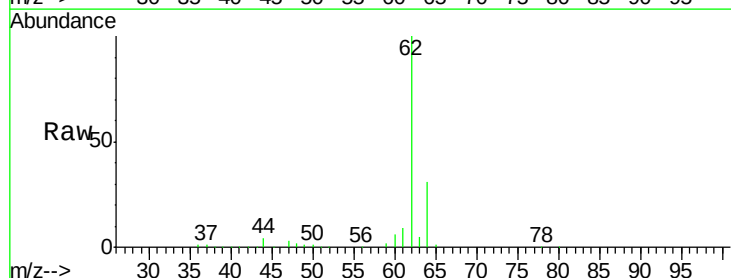
Acq: 23 Jul 2018 21:23

Tgt Ion: 62 Resp: 157051

Ion Ratio Lower Upper

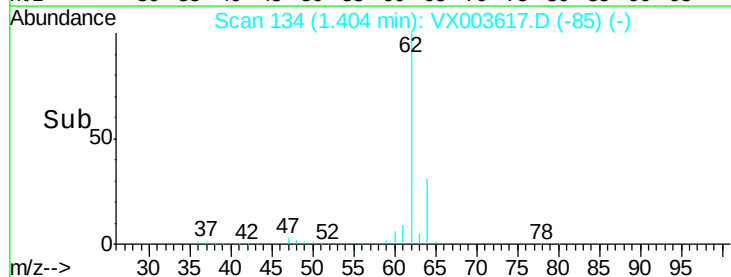
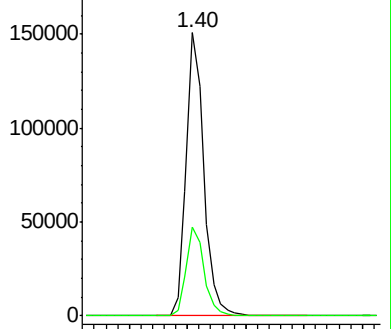
62 100

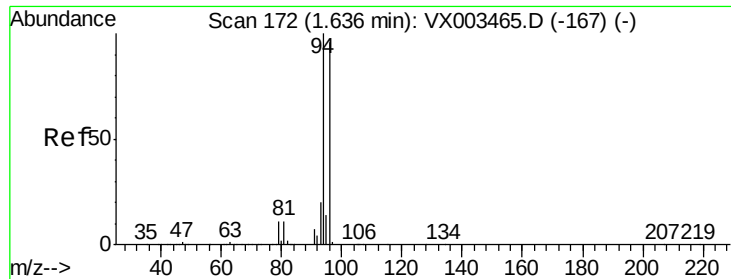
64 31.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 72.08 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 95734

Ion Ratio Lower Upper

94 100

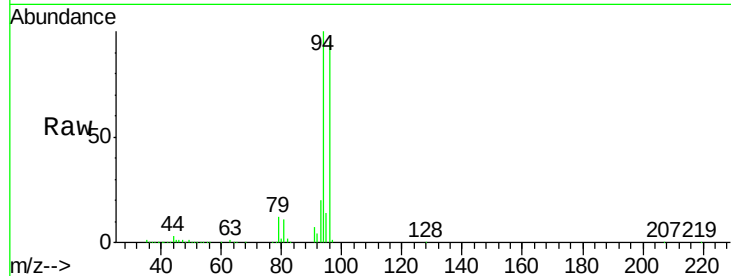
96 95.0 74.9 112.3

Manual Integrations

APPROVED

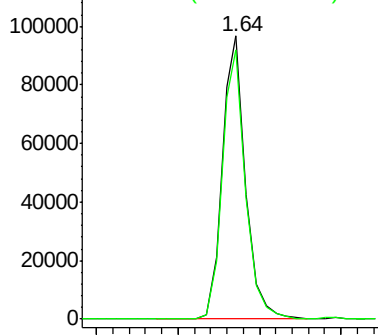
MMDadoda

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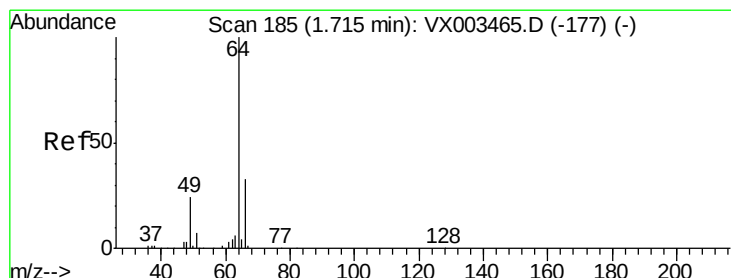
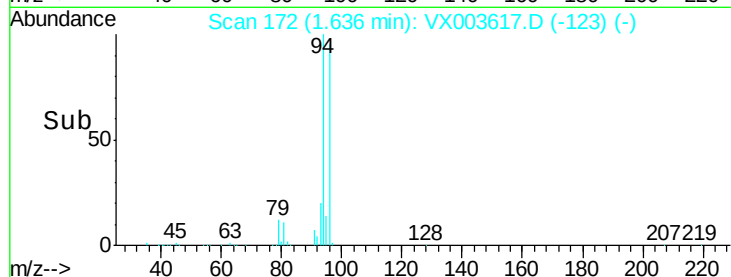


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 48.39 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003617.D

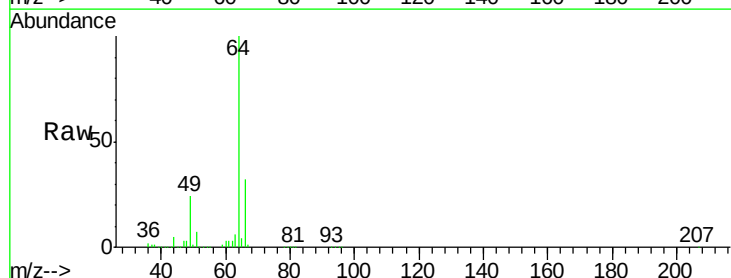
Acq: 23 Jul 2018 21:23

Tgt Ion: 64 Resp: 97072

Ion Ratio Lower Upper

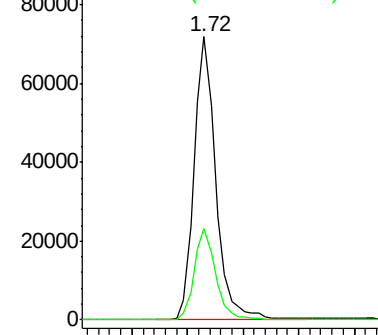
64 100

66 32.3 25.5 38.3

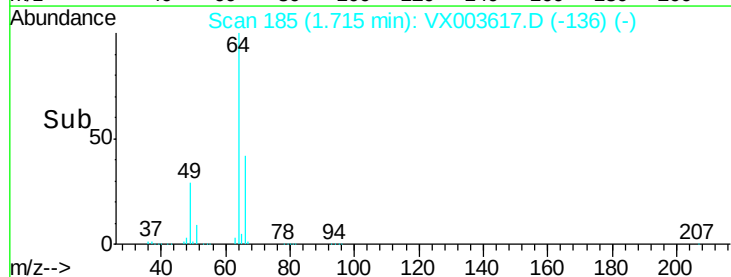


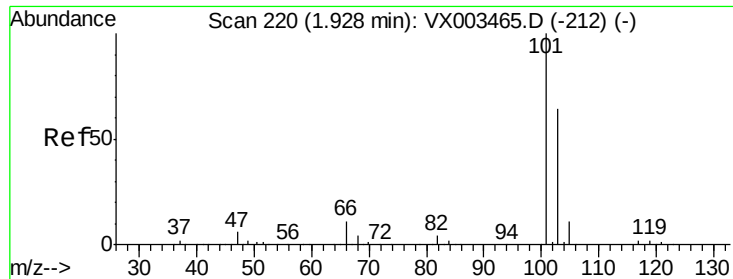
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

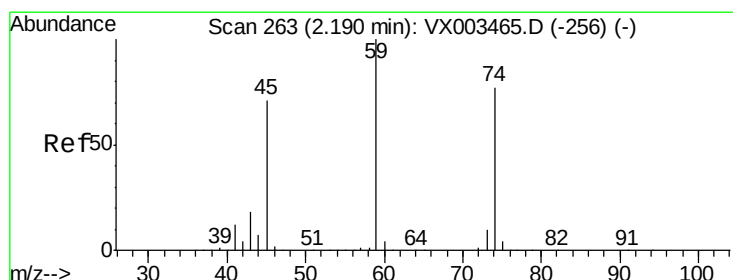
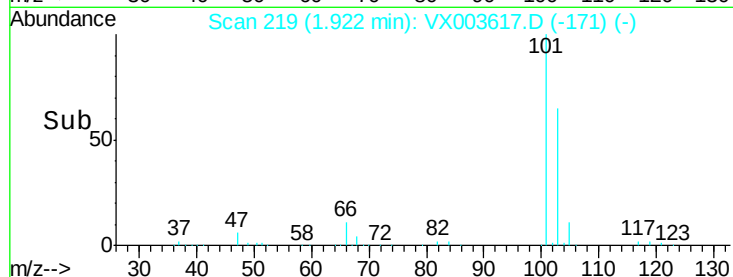
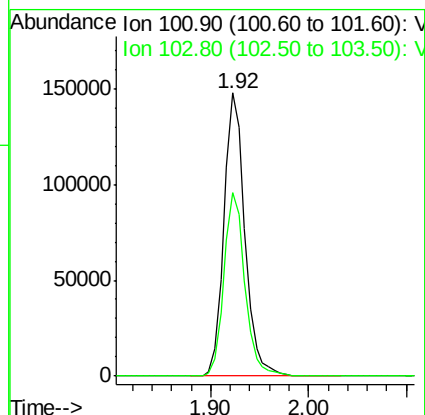
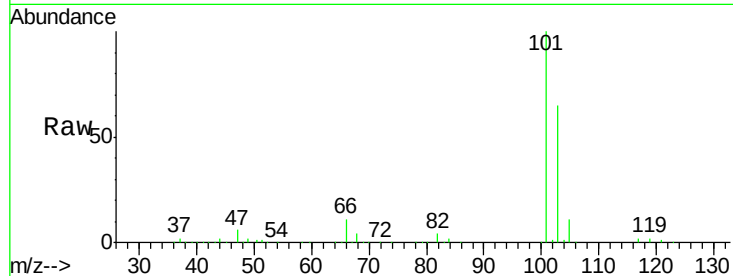
Trichlorofluoromethane
Concen: 48.39 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 218876
Ion Ratio Lower Upper
101 100
103 64.9 52.8 79.2

Manual Integrations
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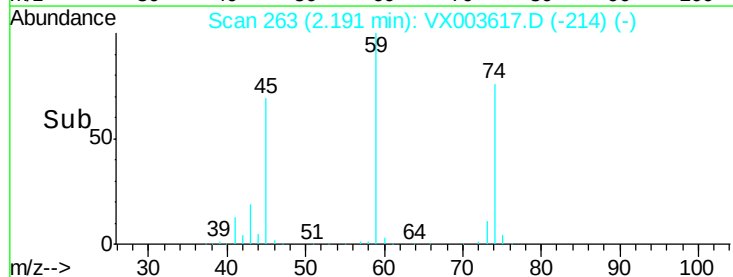
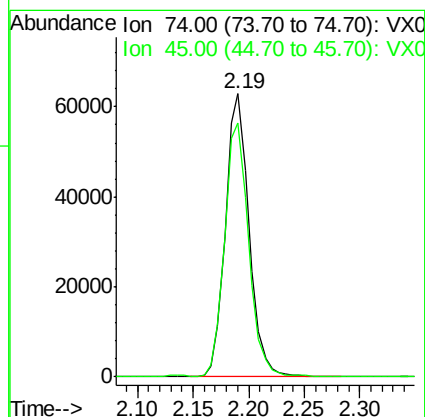
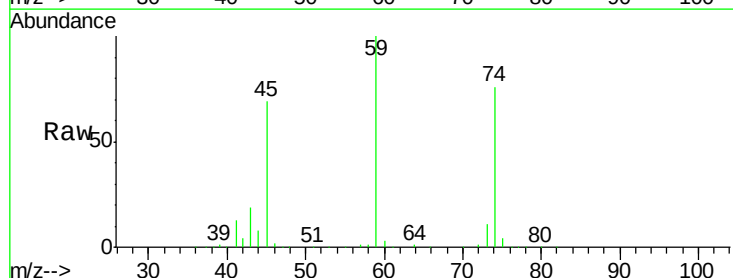
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7/24/2018 3:54:41 PM

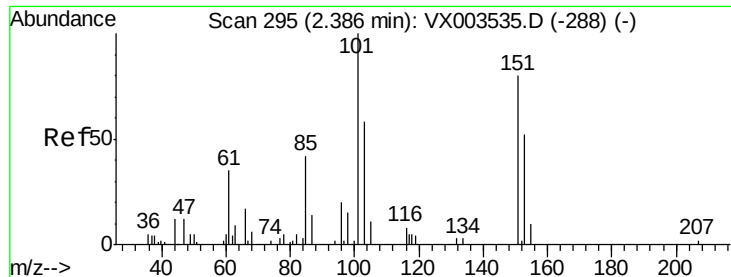


#8

Diethyl Ether
Concen: 47.41 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion: 74 Resp: 92092
Ion Ratio Lower Upper
74 100
45 91.2 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.86 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

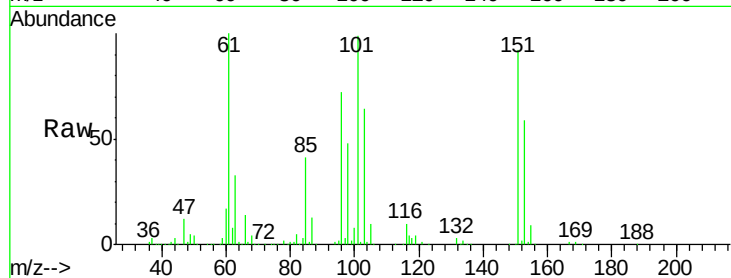
ClientSampleId :

VSTDCCC050

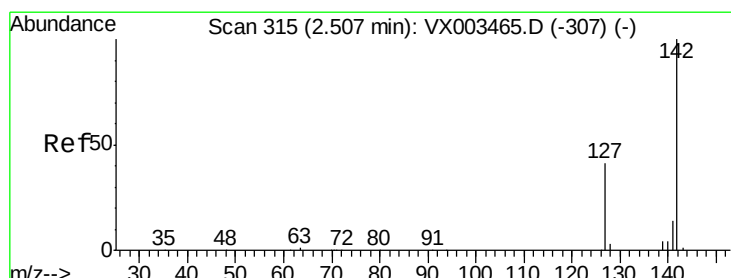
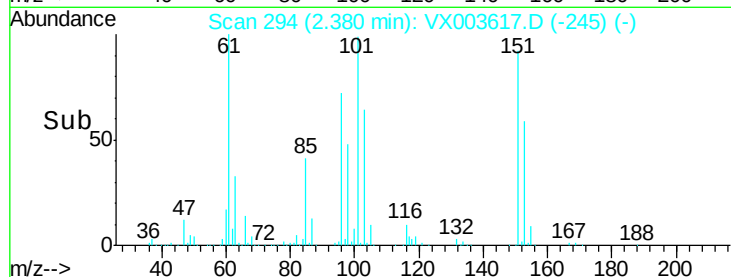
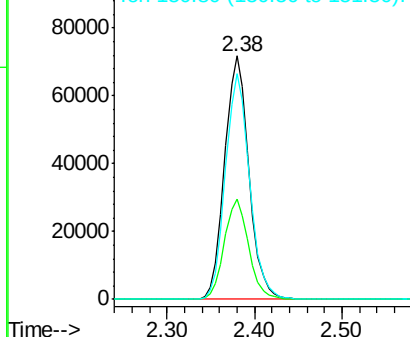
Tot Ion:	101	Resp:	138723
Ion Ratio	Lower	Upper	
101	100		
85	40.9	36.0	54.0
151	92.2	70.9	106.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.28 ug/l

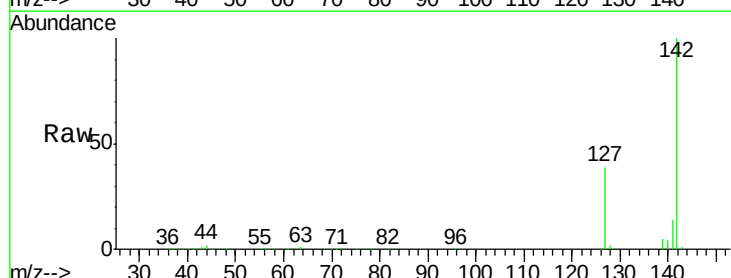
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

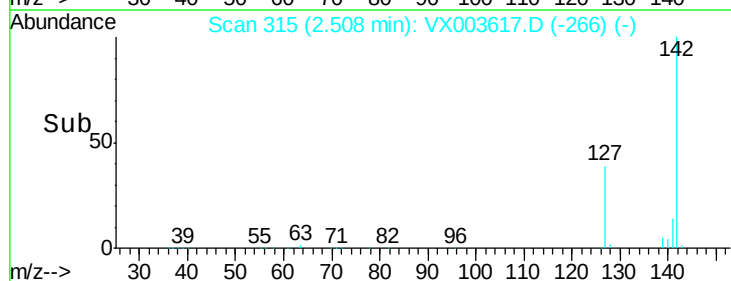
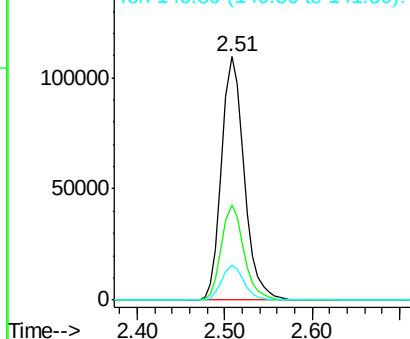
Lab File: VX003617.D

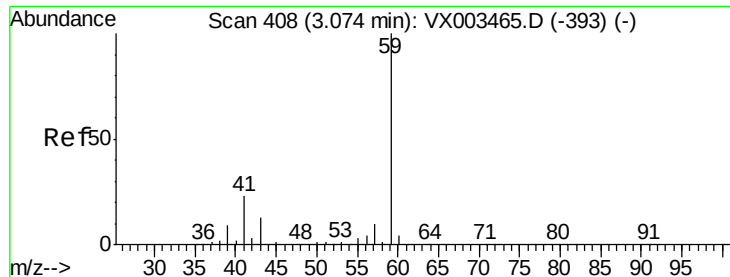
Acq: 23 Jul 2018 21:23

Tgt Ion:	142	Resp:	196607
Ion Ratio	Lower	Upper	
142	100		
127	38.8	36.6	55.0
141	14.2	11.3	16.9



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





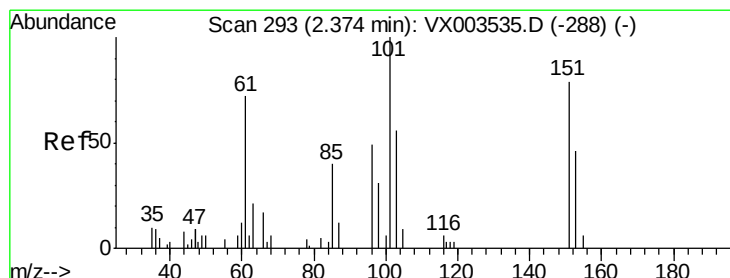
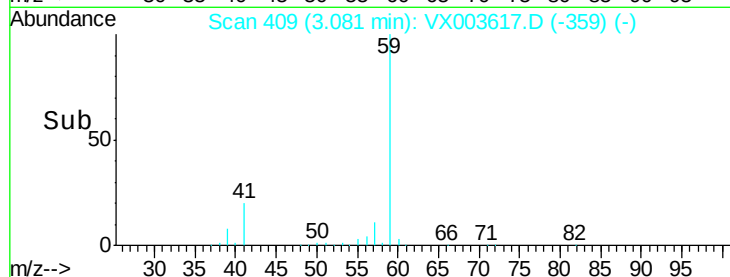
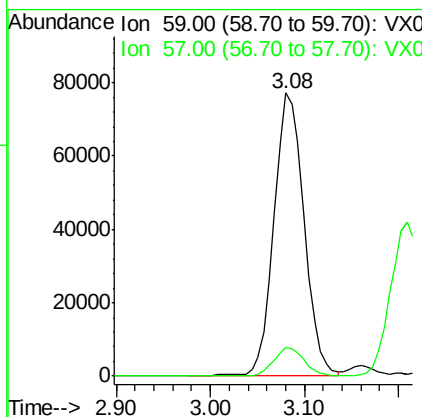
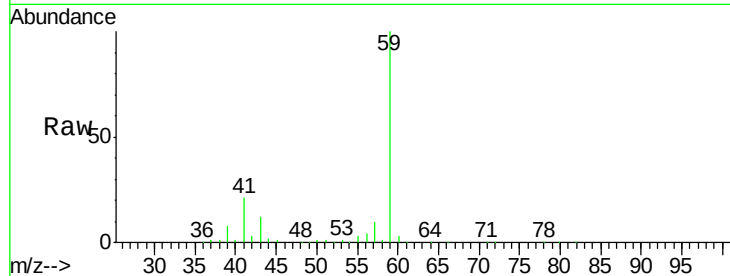
#11
Tert butyl alcohol
Concen: 275.93 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

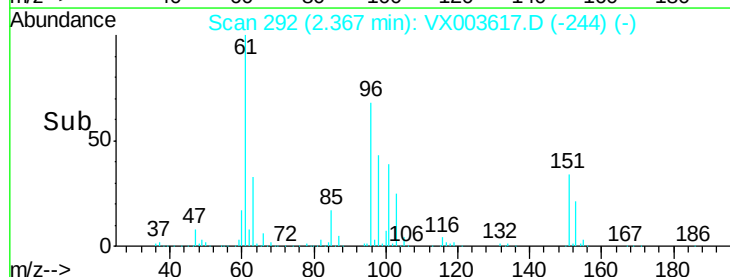
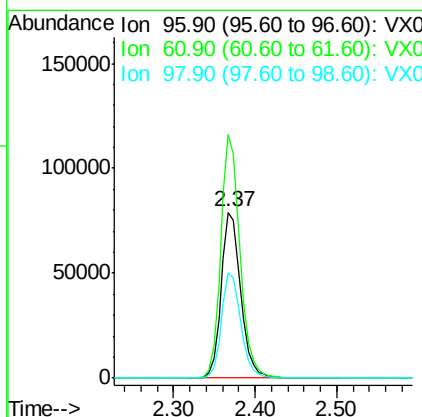
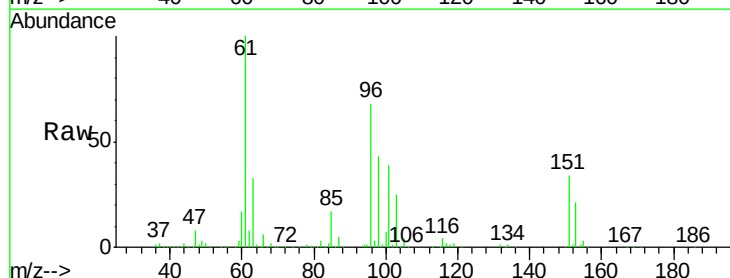
Manual Integrations
APPROVED

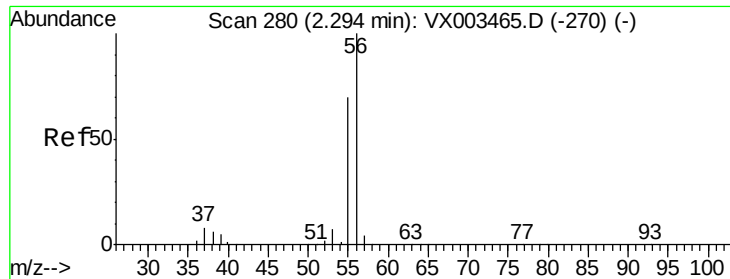
MMDadoda
7/24/2018 3:54:41 PM



#12
1,1-Dichloroethene
Concen: 48.11 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.8	137.9	206.9
98	63.9	51.6	77.4





#13

Acrolein

Concen: 167.68 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 47360

Ion Ratio Lower Upper

56 100

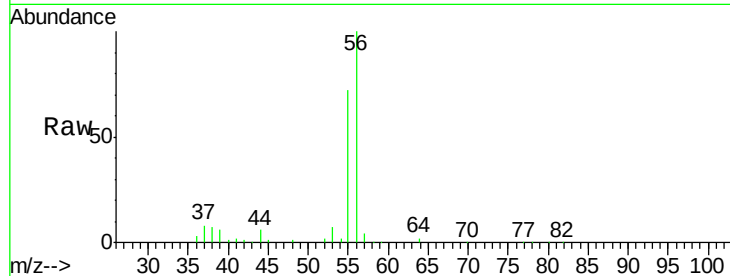
55 68.6 57.0 85.4

Manual Integrations

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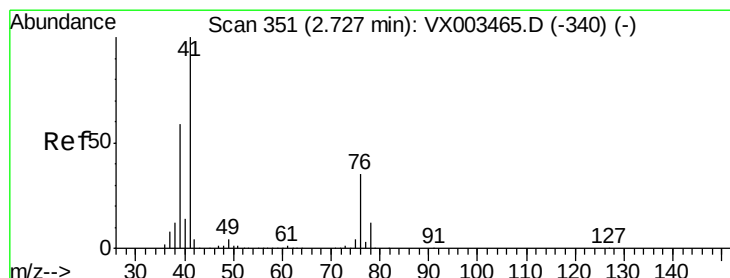
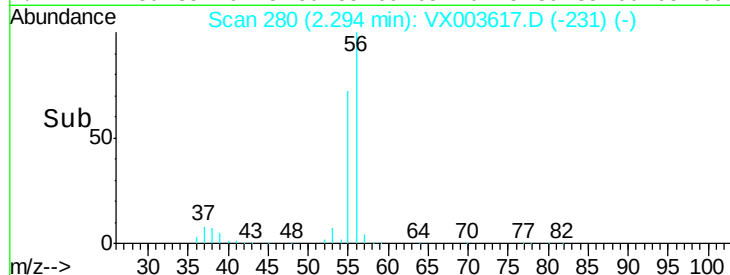
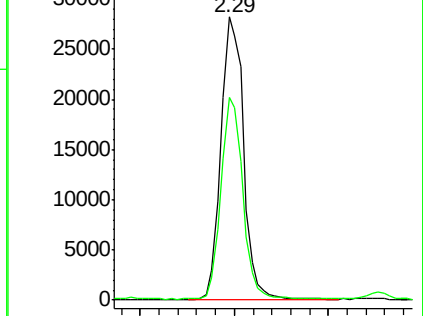
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.32 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

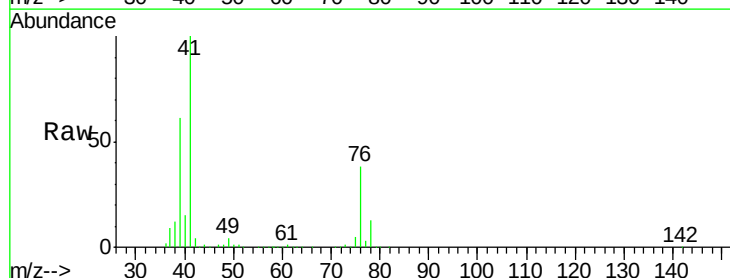
Tgt Ion: 41 Resp: 223480

Ion Ratio Lower Upper

41 100

39 58.0 56.8 85.2

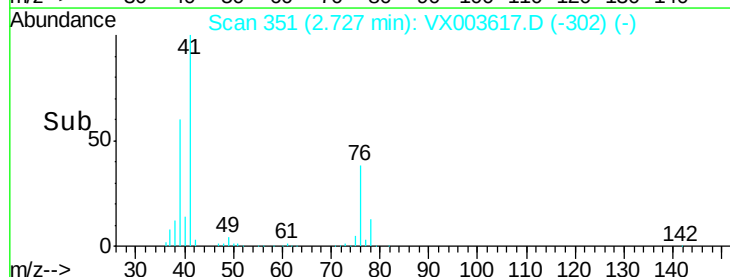
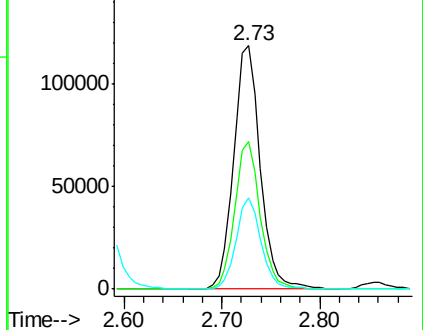
76 35.3 23.8 35.8

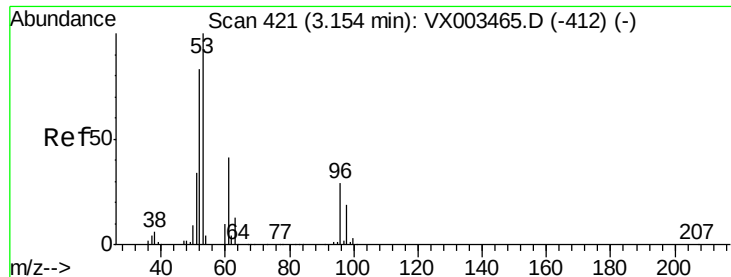


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 252.27 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

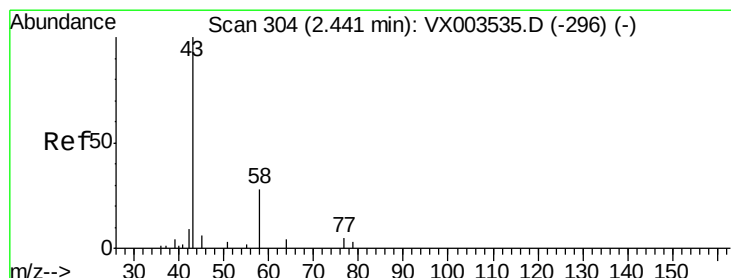
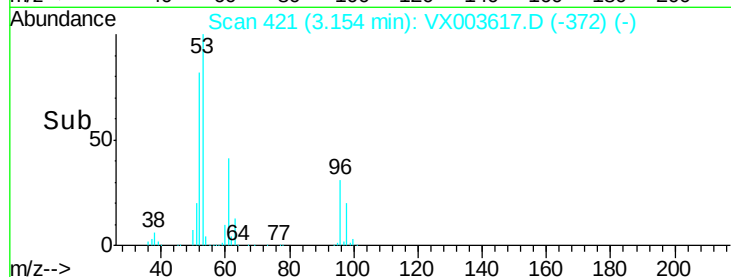
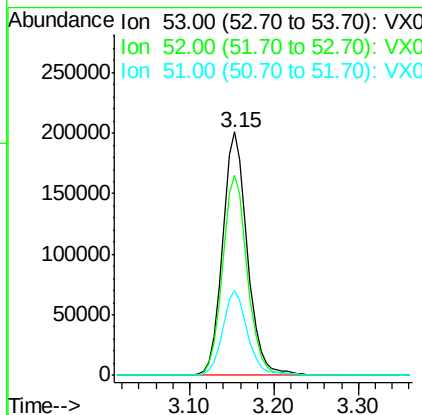
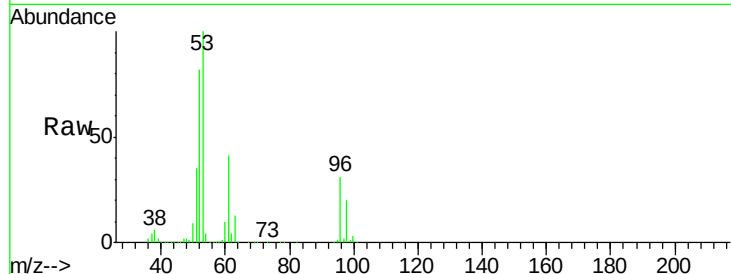
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	401487
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.7	100.1
51	35.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 261.21 ug/l

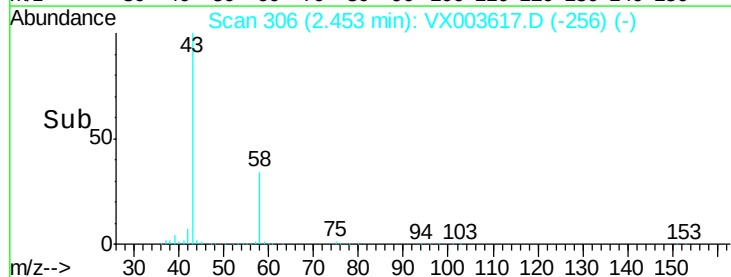
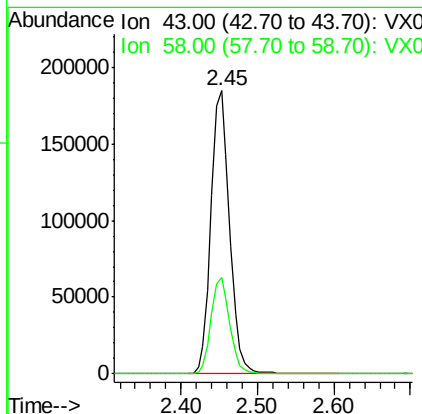
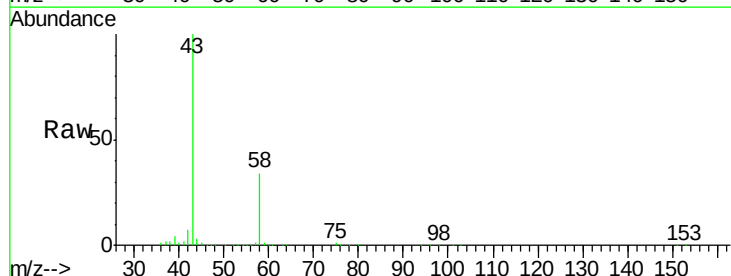
RT: 2.45 min Scan# 306

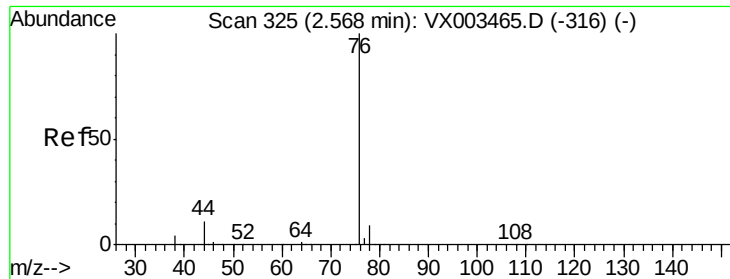
Delta R.T. 0.01 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Tgt Ion:	43	Resp:	311686
Ion Ratio	Lower	Upper	
43	100		
58	34.3	22.1	33.1#





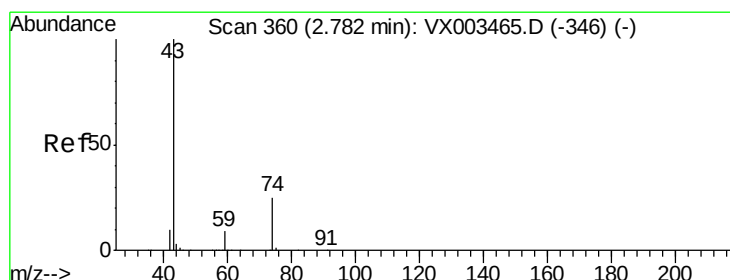
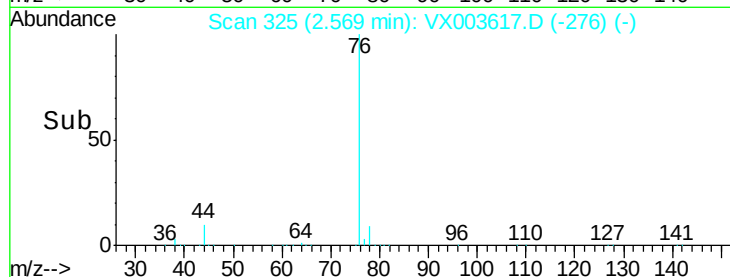
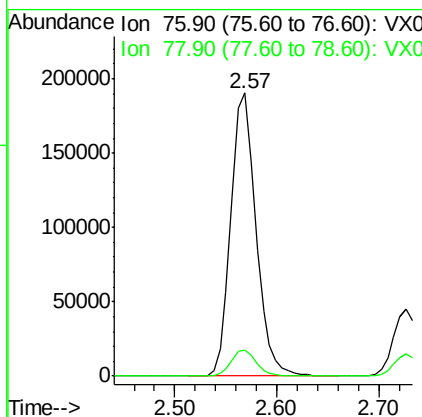
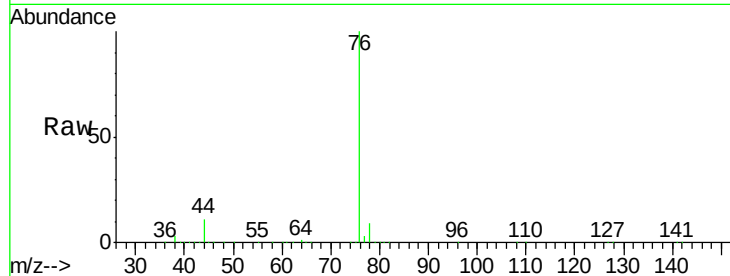
#17
Carbon Disulfide
Concen: 44.11 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

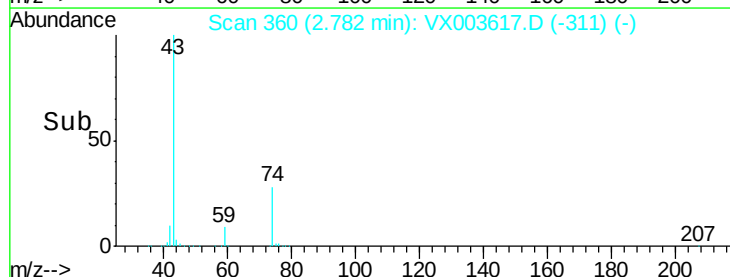
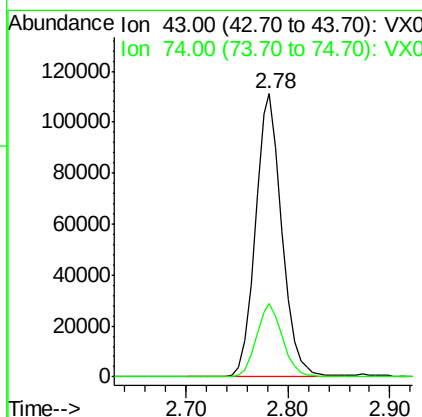
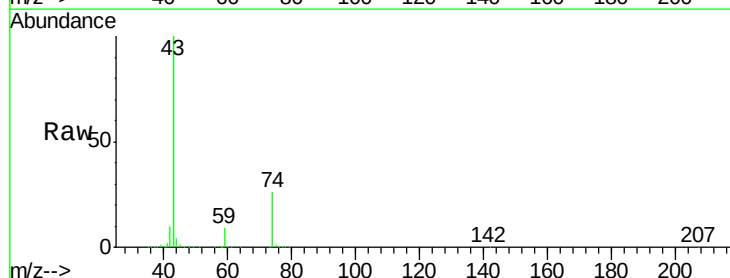
Manual Integrations
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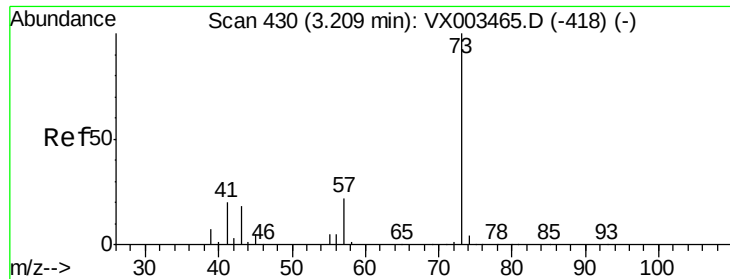
MMDadoda
7/24/2018 3:54:41 PM



#18
Methyl Acetate
Concen: 52.98 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	16.7	25.1#





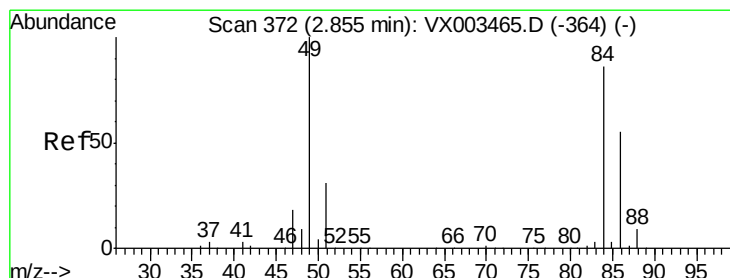
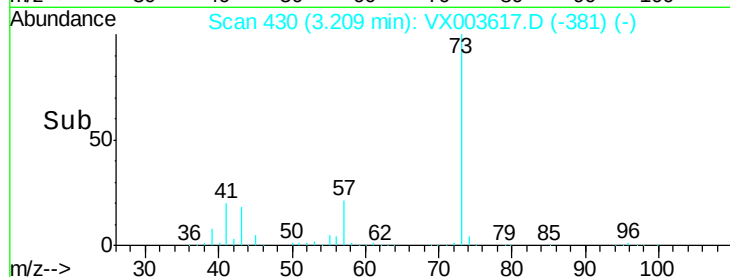
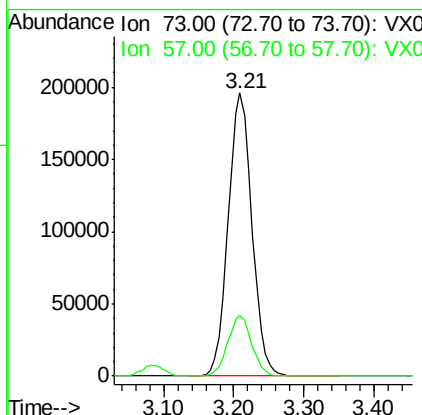
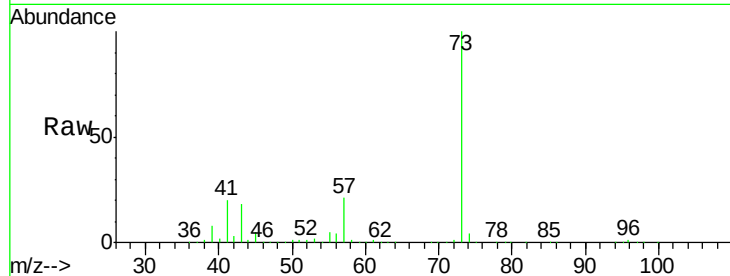
#19
Methyl tert-butyl Ether
Concen: 51.83 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 461362
Ion Ratio Lower Upper
73 100
57 21.4 17.7 26.5

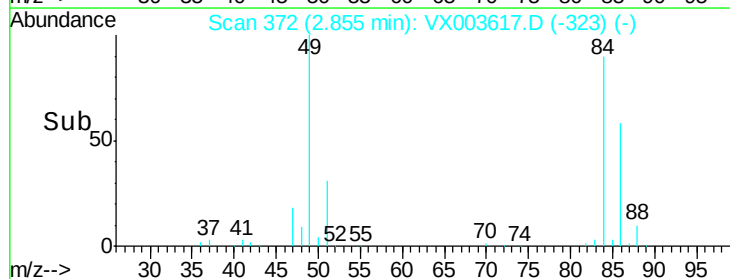
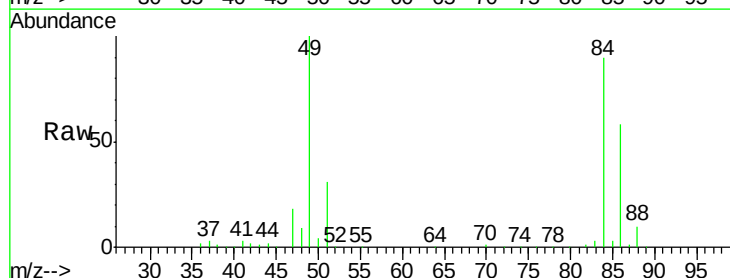
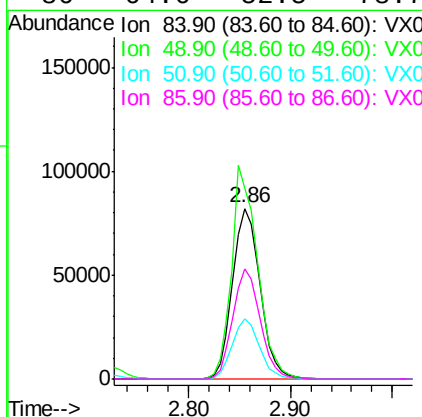
Manual Integrations
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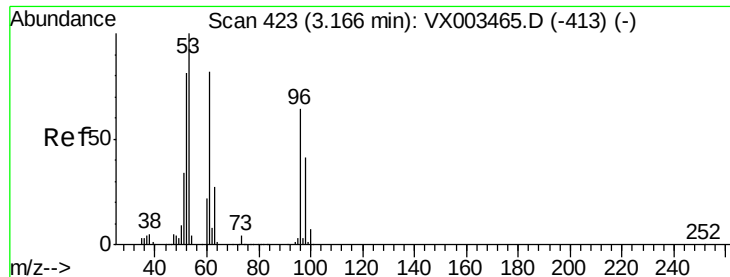
MMDadoda
7/24/2018 3:54:41 PM



#20
Methylene Chloride
Concen: 52.68 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion: 84 Resp: 153567
Ion Ratio Lower Upper
84 100
49 111.6 107.8 161.6
51 35.0 32.8 49.2
86 64.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 47.95 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

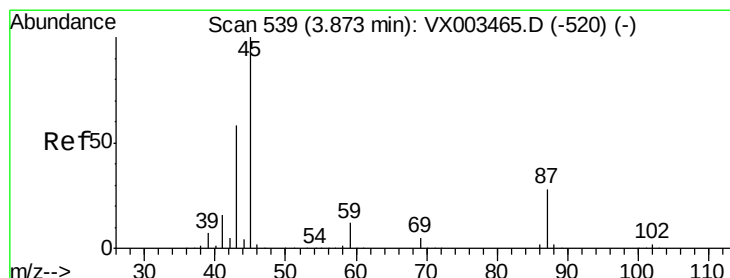
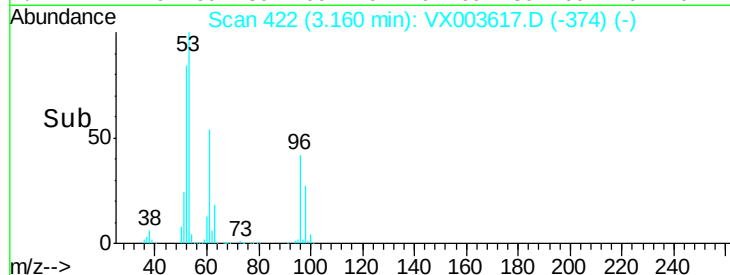
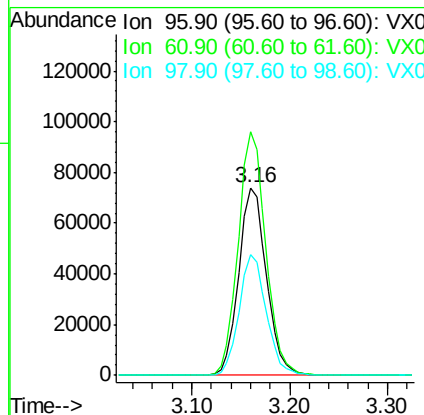
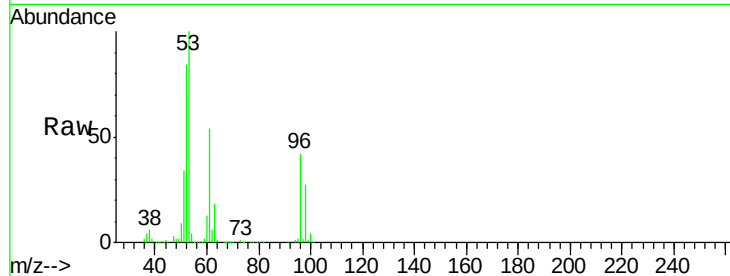
ClientSampleId :

VSTDCCC050

Tot Ion	96	Resp	145406
Ion	Ratio	Lower	Upper
96	100		
61	129.7	117.0	175.4
98	64.1	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.55 ug/l

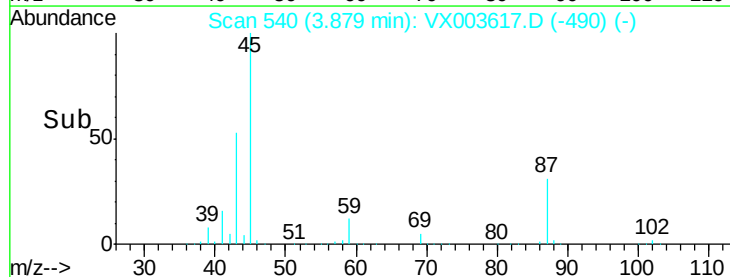
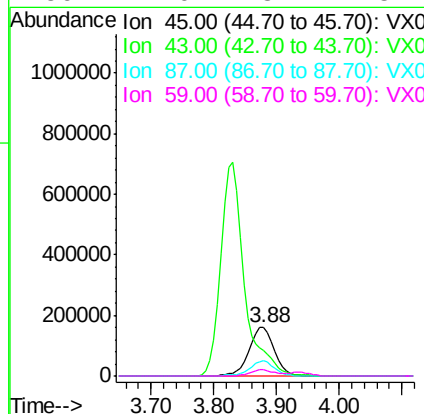
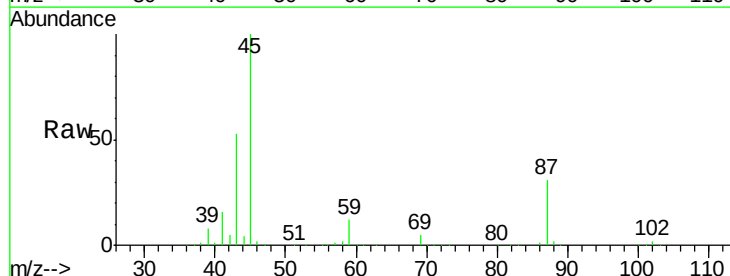
RT: 3.88 min Scan# 540

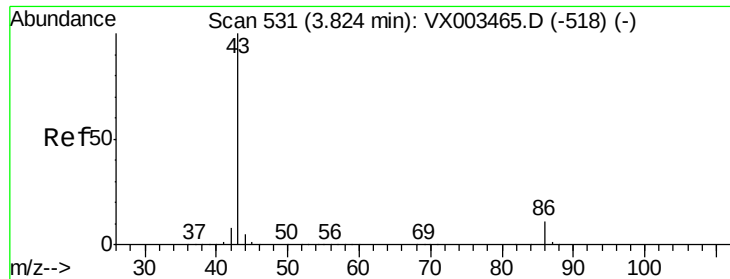
Delta R.T. 0.01 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Tgt Ion	45	Resp	449862
Ion	Ratio	Lower	Upper
45	100		
43	53.0	46.8	70.2
87	30.7	20.2	30.4
59	12.0	8.7	13.1





#23

Vinyl Acetate

Concen: 246.08 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.01 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1840440

Ion Ratio Lower Upper

43 100

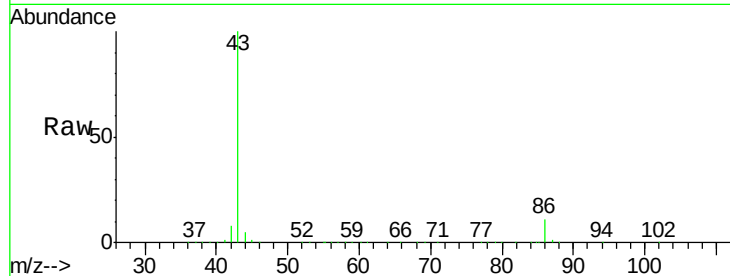
86 11.4 7.4 11.0#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

600000

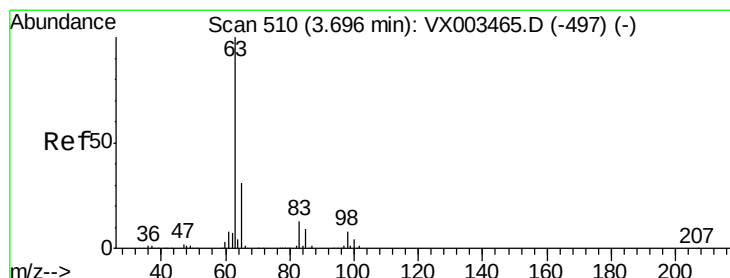
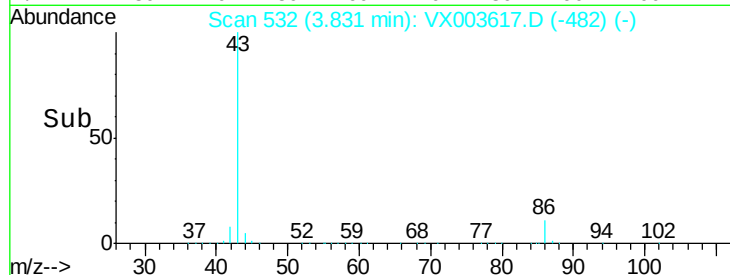
400000

200000

0

3.80 3.83 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 49.81 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

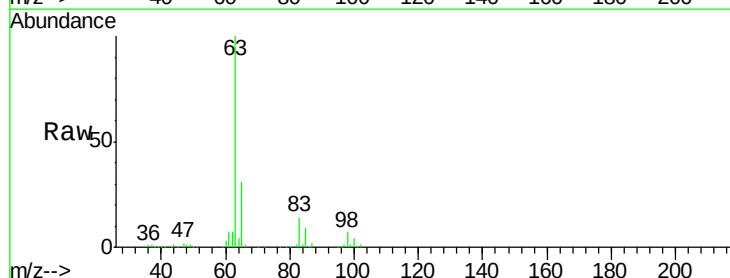
Tgt Ion: 63 Resp: 265346

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.4 2.0 6.0



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

150000

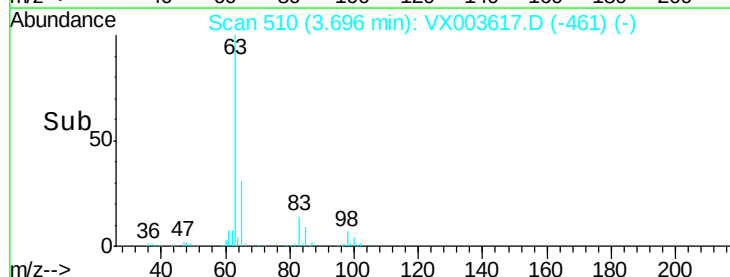
100000

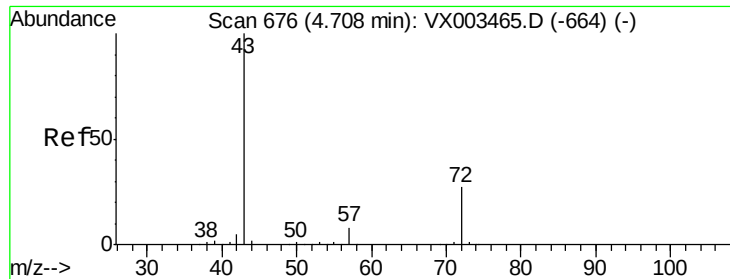
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 263.49 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 527521

Ion Ratio Lower Upper

43 100

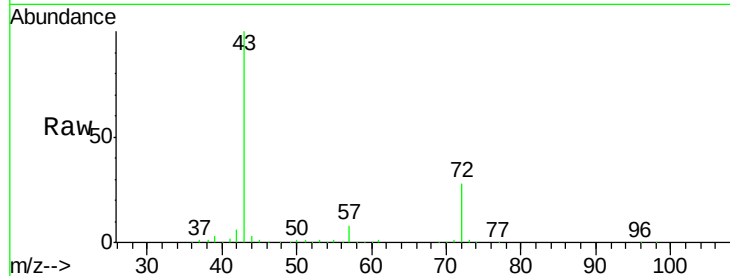
72 27.9 18.5 27.7#

Manual Integrations

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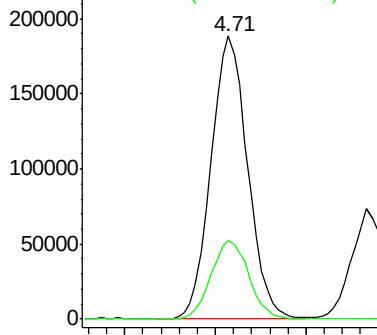
MMDadoda

7/24/2018 3:54:41 PM

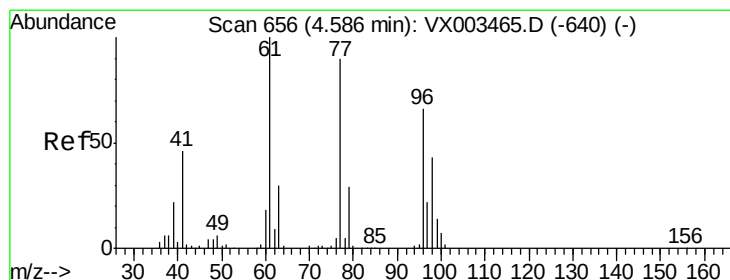
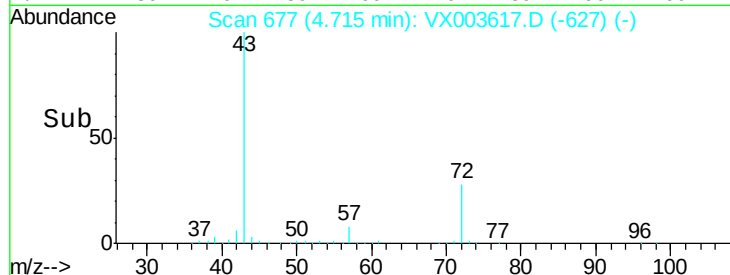


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 40.31 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003617.D

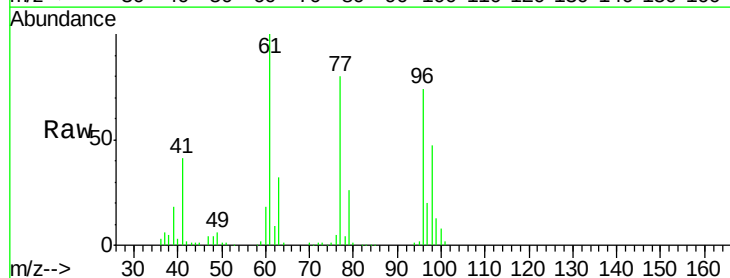
Acq: 23 Jul 2018 21:23

Tgt Ion: 77 Resp: 163095

Ion Ratio Lower Upper

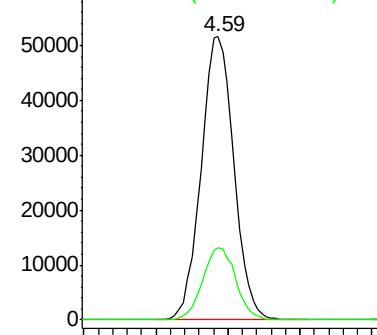
77 100

97 25.8 11.2 33.5

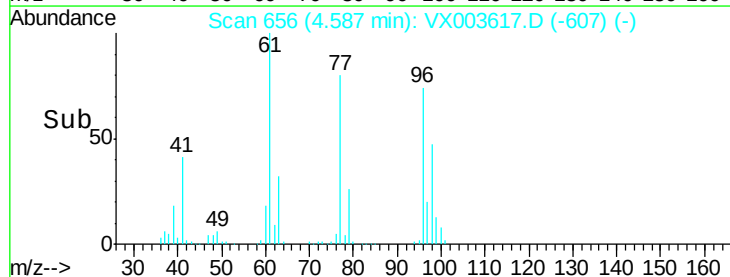


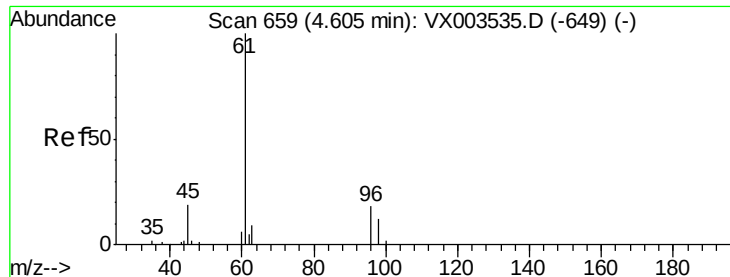
Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->





#27

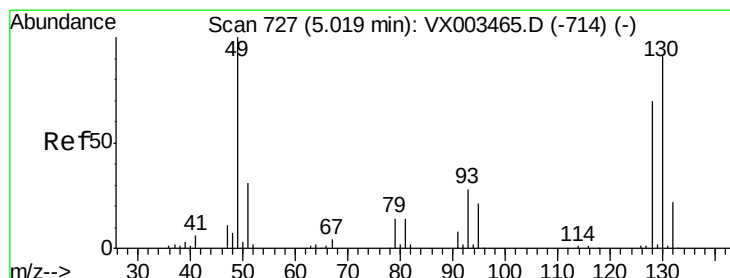
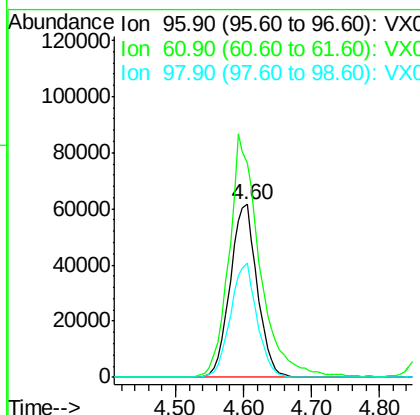
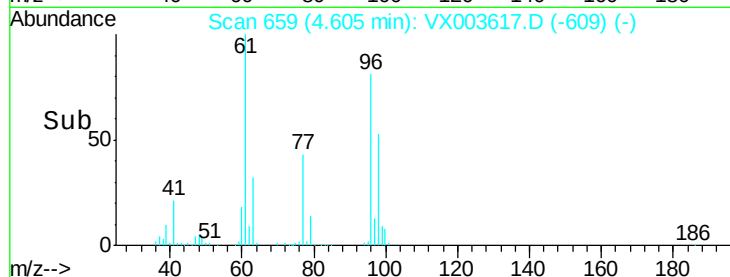
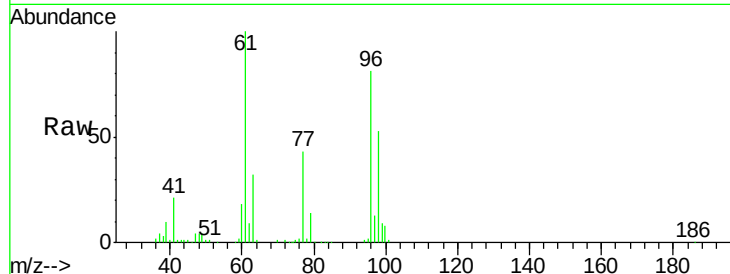
cis-1,2-Dichloroethene
Concen: 50.24 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	169658		
61	158.6	0.0	330.2	
98	64.7	0.0	130.2	

Manual Integrations
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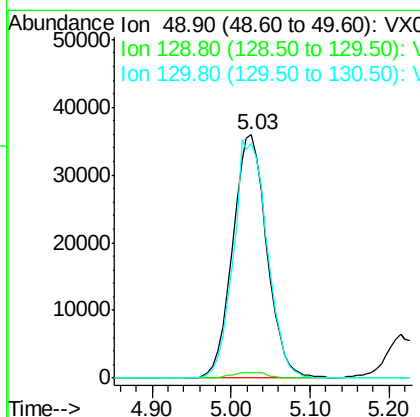
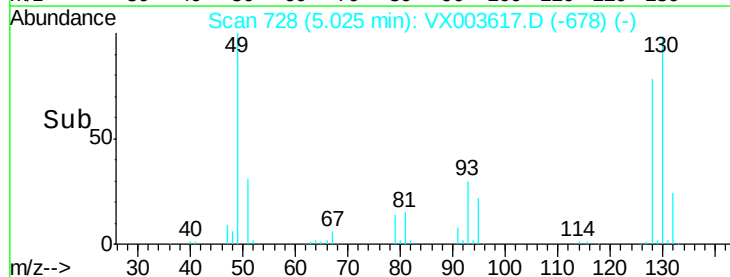
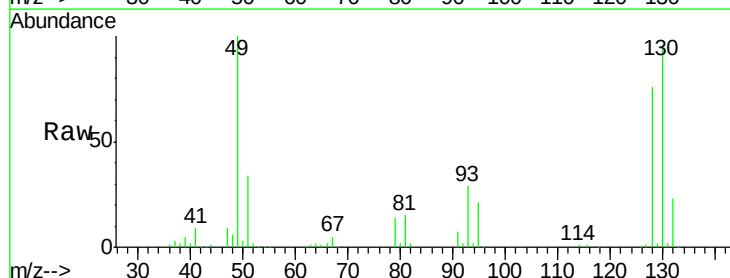
MMDadoda
7/24/2018 3:54:41 PM

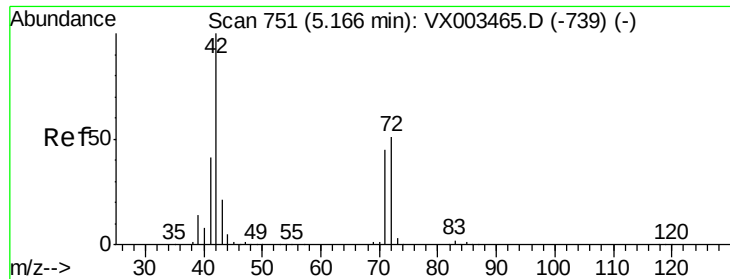


#28

Bromochloromethane
Concen: 46.50 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.01 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	108273		
129	2.5	0.0	4.2	
130	97.1	61.2	91.8#	





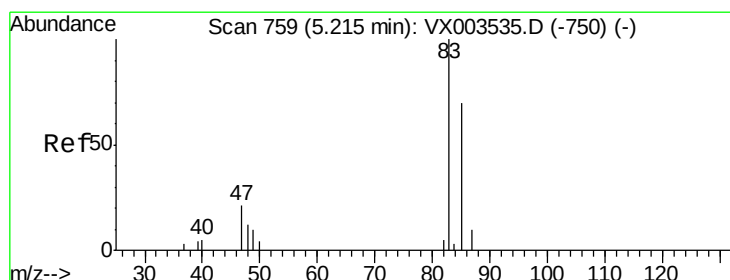
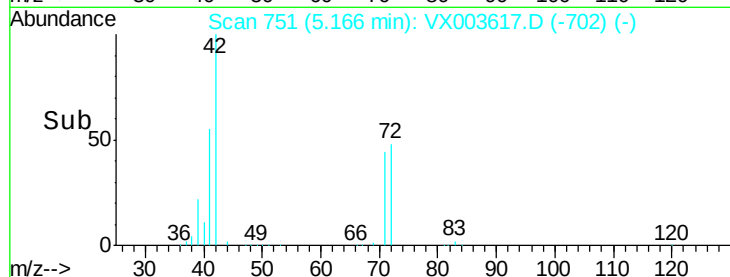
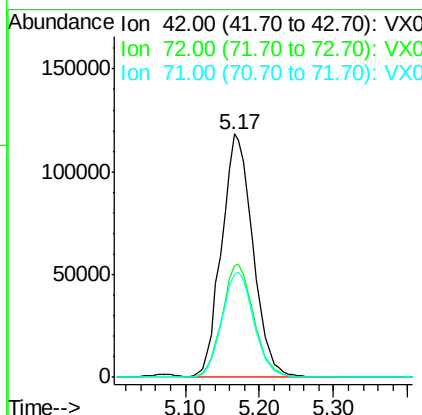
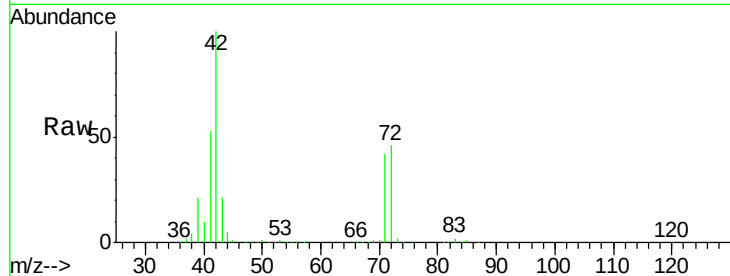
#29
Tetrahydrofuran
Concen: 260.99 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	32.0	48.0
71	44.1	30.1	45.1

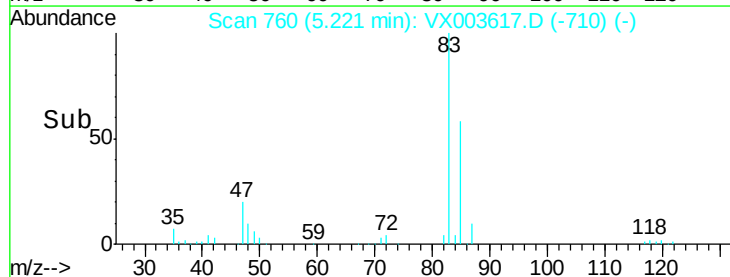
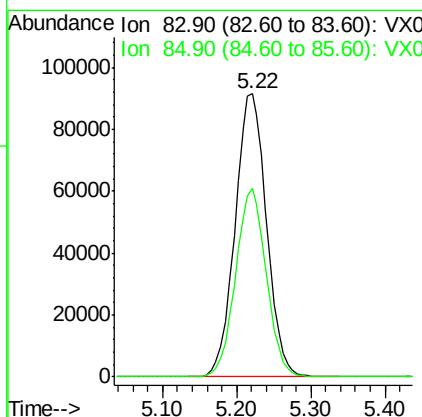
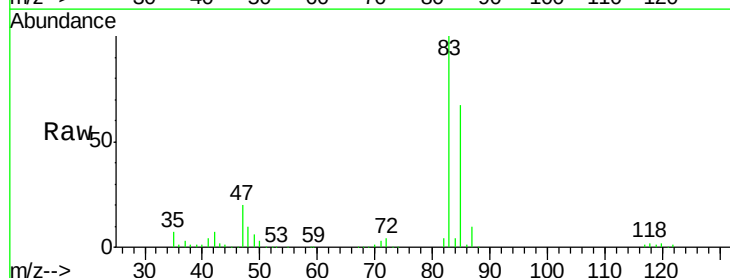
Manual Integrations
APPROVED

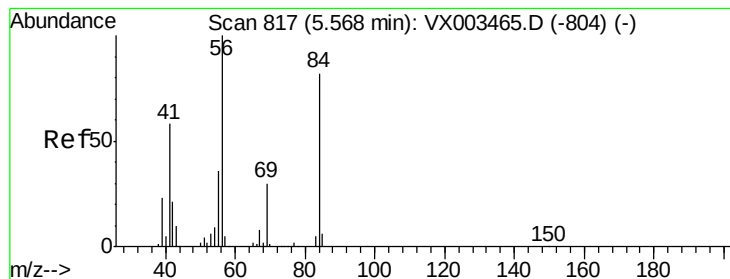
MMDadoda
7/24/2018 3:54:41 PM



#30
Chloroform
Concen: 52.04 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.4	75.6





#31

Cyclohexane

Concen: 46.54 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

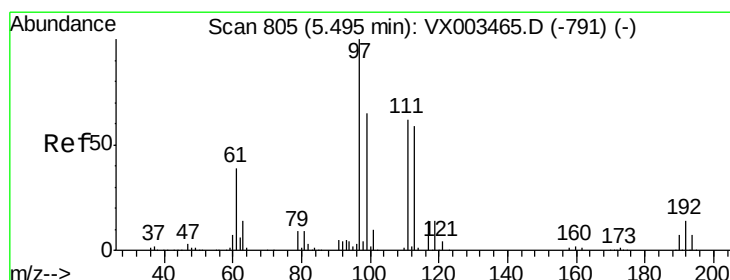
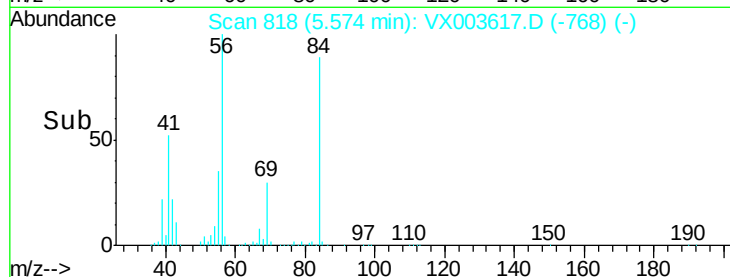
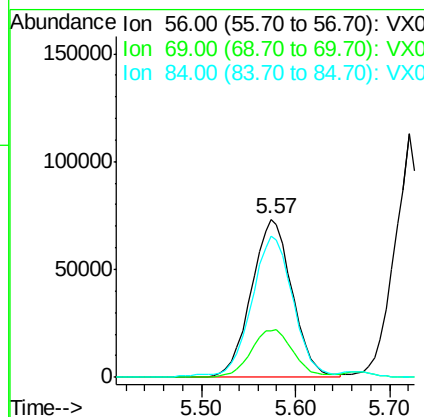
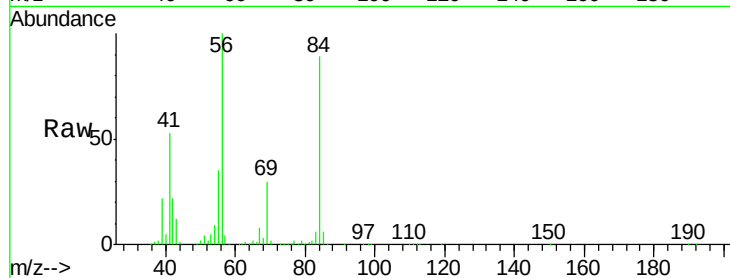
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	221532
Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.7	35.5
84	87.9	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.50 ug/l

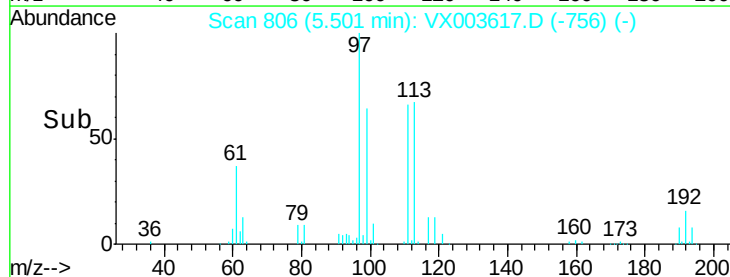
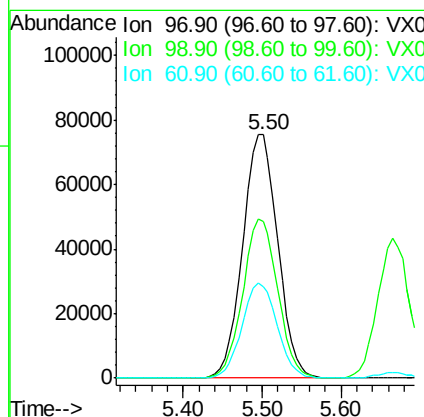
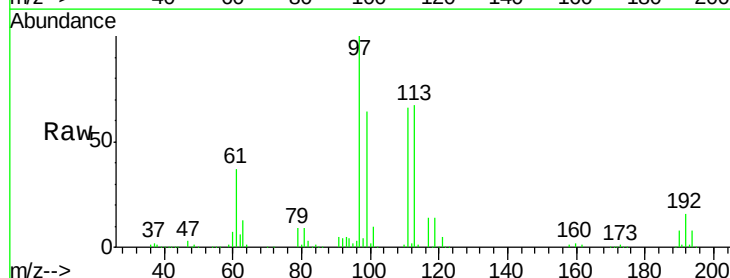
RT: 5.50 min Scan# 806

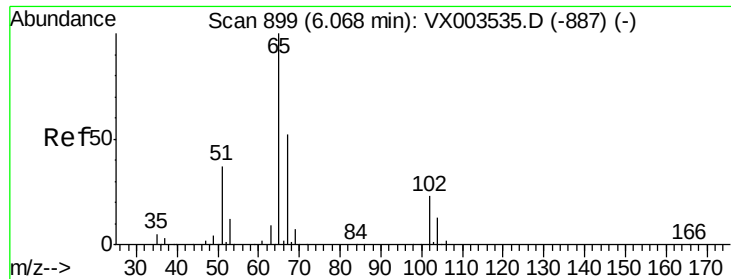
Delta R.T. 0.01 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Tgt Ion:	97	Resp:	233864
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	39.4	36.4	54.6





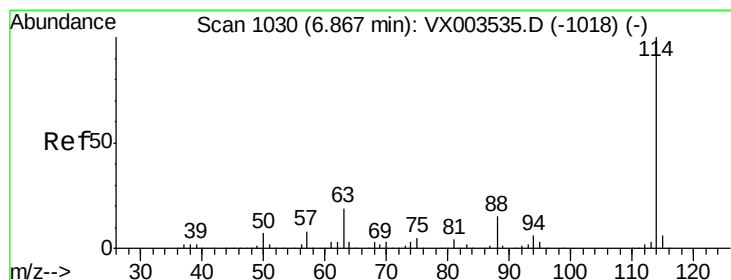
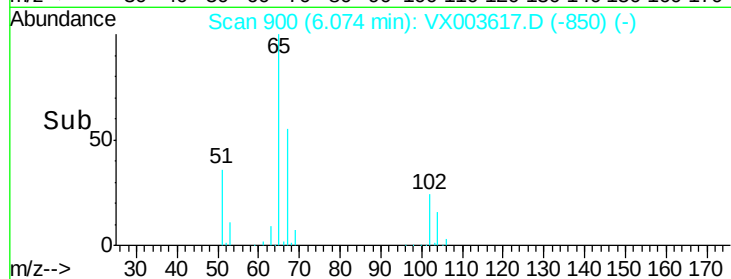
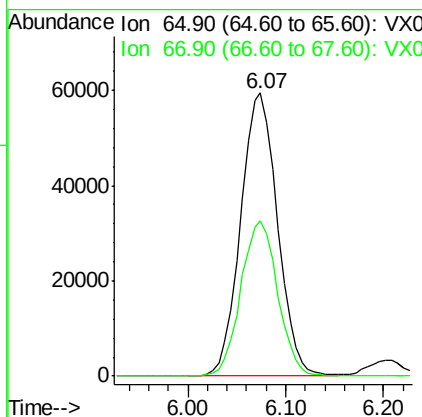
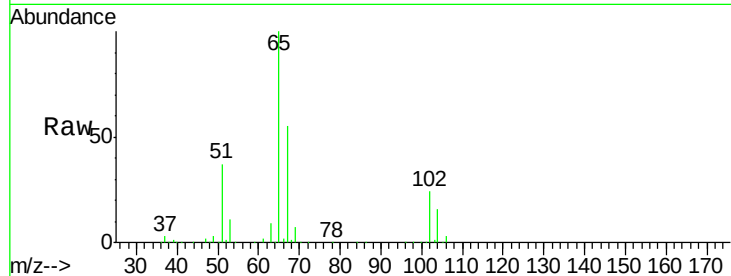
#33
 1,2-Dichloroethane-d4
 Concen: 49.16 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	155289		
67	54.9	0.0	102.6	

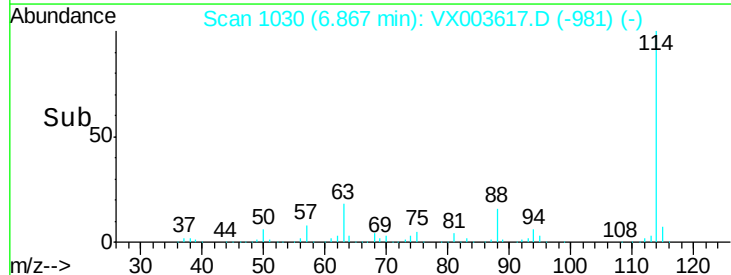
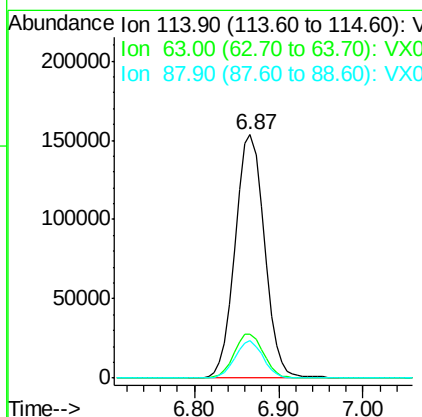
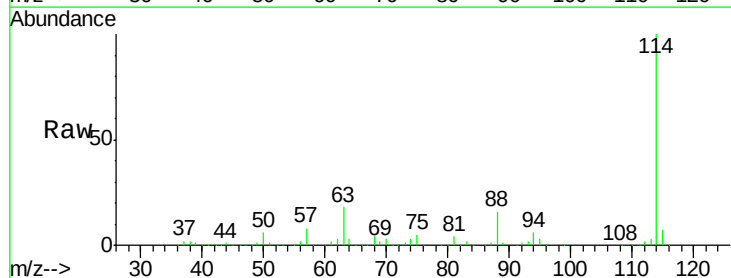
Manual Integrations
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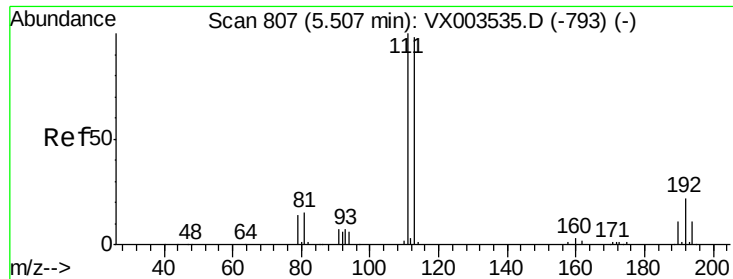
MMDadoda
 7/24/2018 3:54:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	361162		
63	17.8	0.0	41.4	
88	15.6	0.0	30.0	





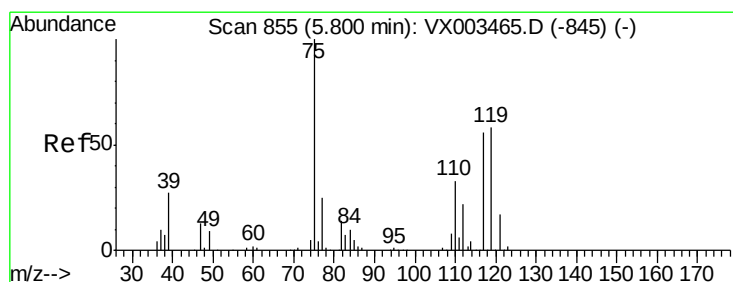
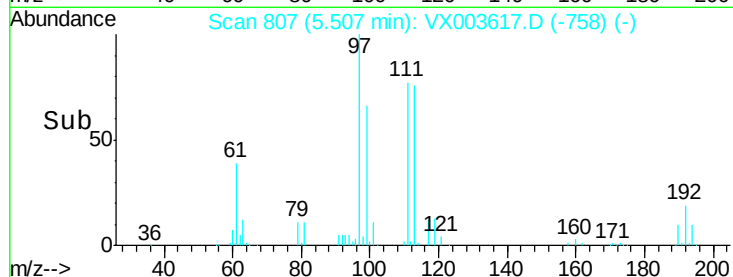
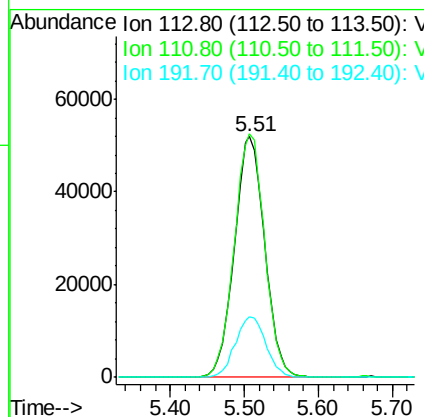
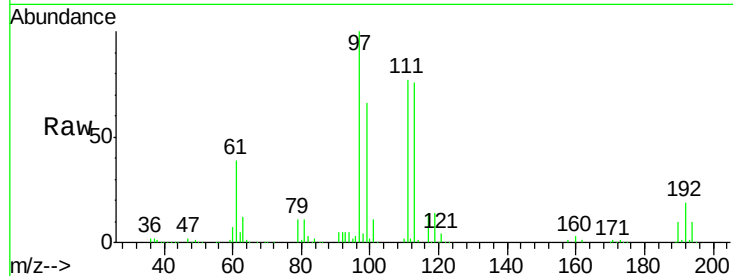
#35
 Dibromofluoromethane
 Concen: 53.85 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148126		
111	101.6	81.4	122.0	
192	25.4	19.1	28.7	

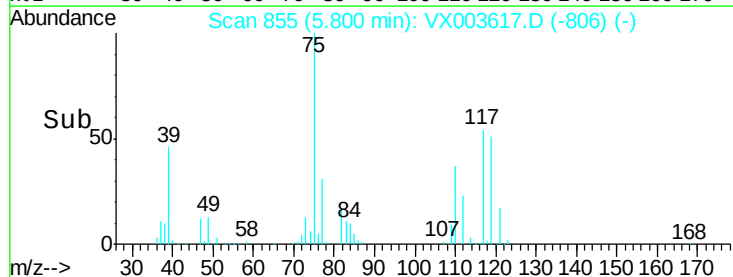
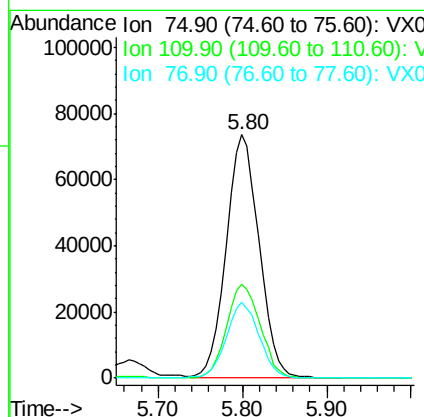
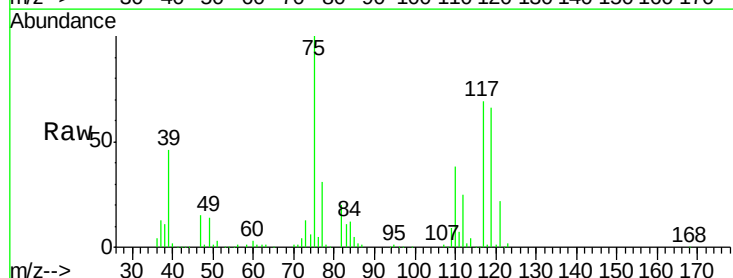
Manual Integrations
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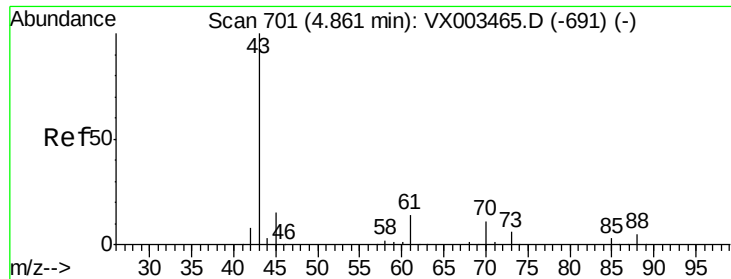
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.89 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	194532		
110	39.5	18.1	54.4	
77	31.7	24.3	36.5	





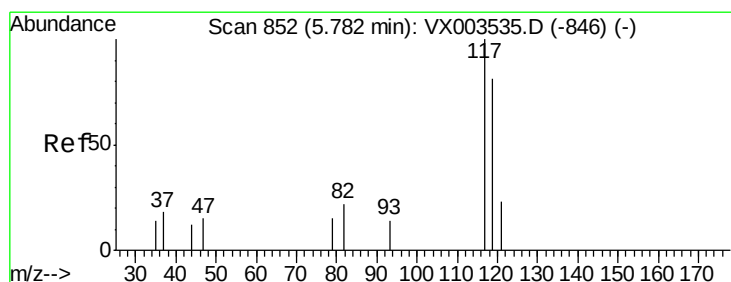
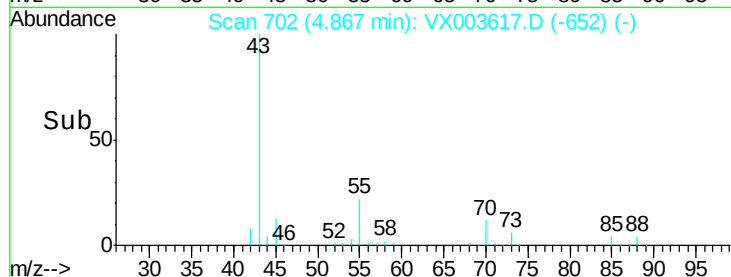
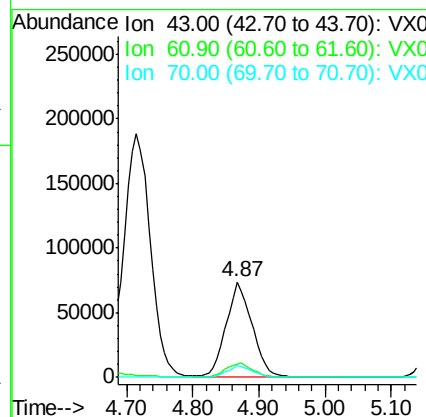
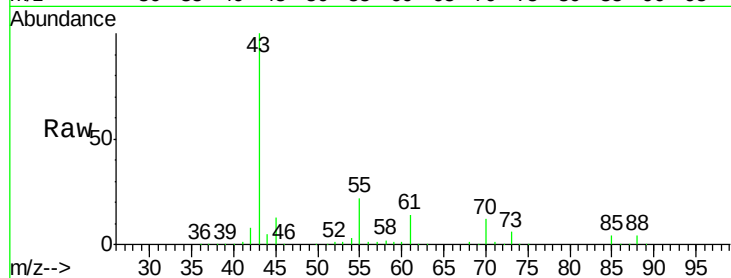
#37
Ethyl Acetate
Concen: 54.74 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.4	15.6
70	11.7	7.6	11.4

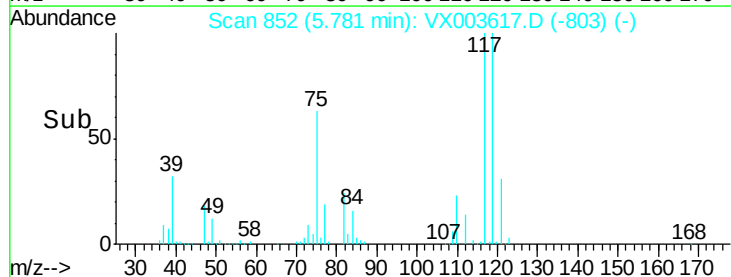
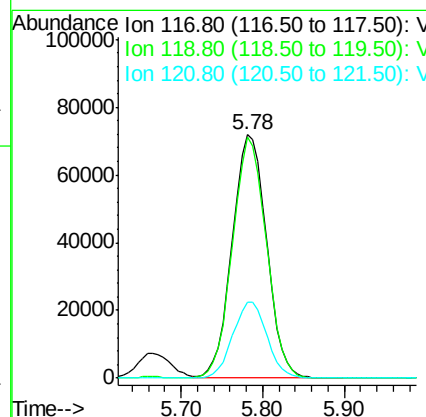
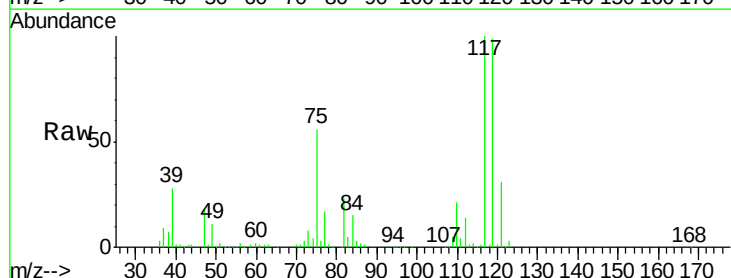
Manual Integrations
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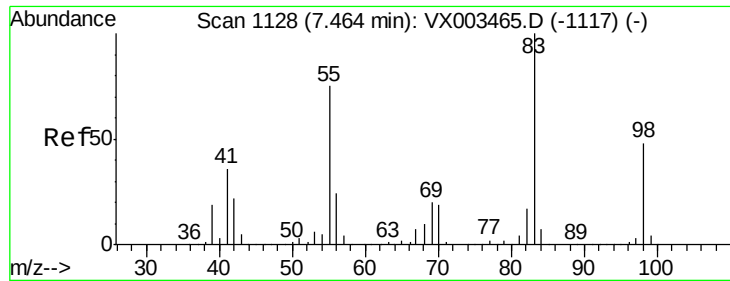
MMDadoda
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#38
Carbon Tetrachloride
Concen: 55.01 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	77.4	116.0
121	31.2	24.4	36.6





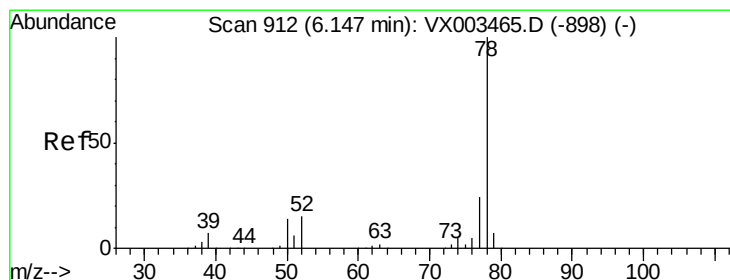
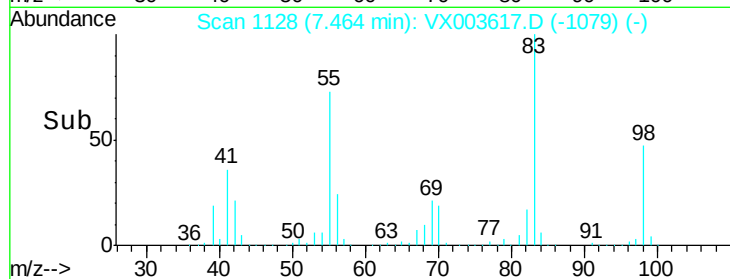
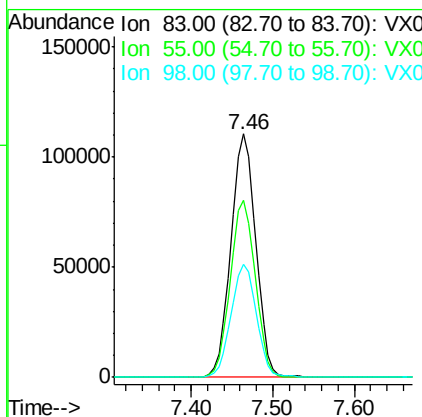
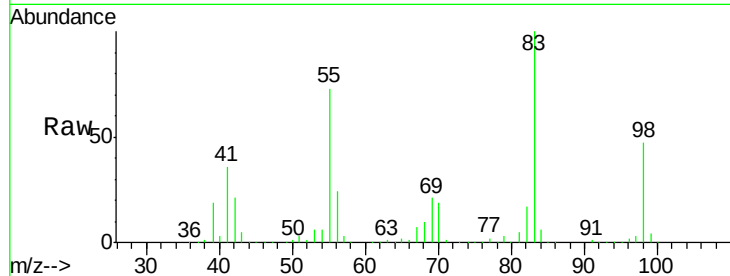
#39
Methylvlcyclohexane
Concen: 50.06 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.7	65.4	98.0	
98	46.6	37.4	56.0	

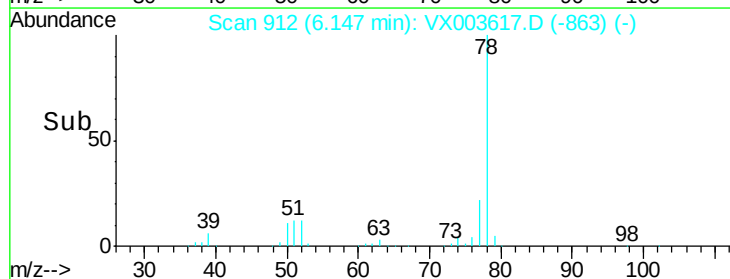
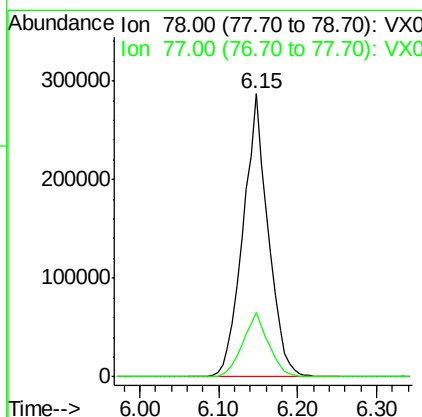
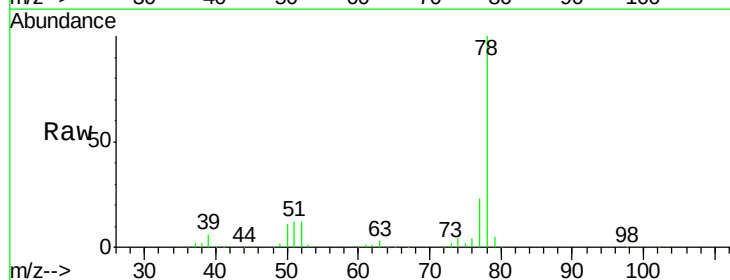
Manual Integrations
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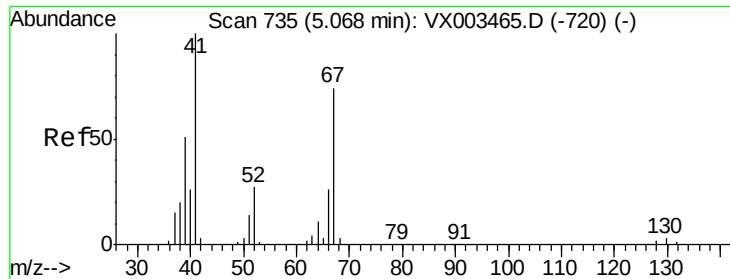
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#40
Benzene
Concen: 54.02 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.6	19.1	28.7	





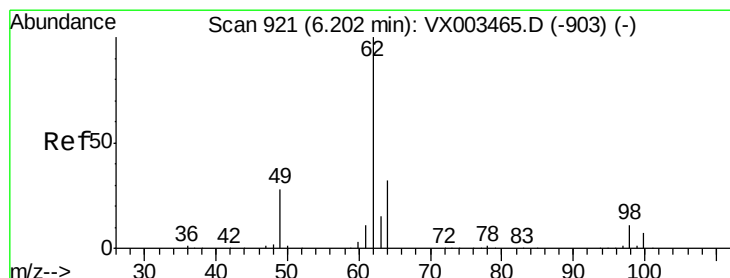
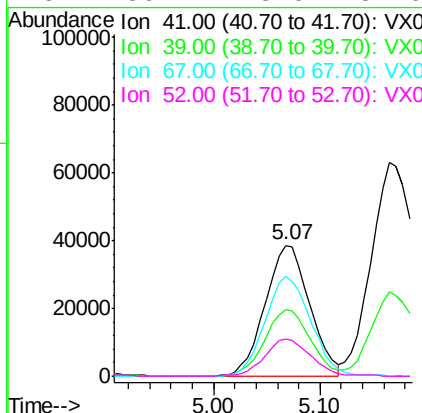
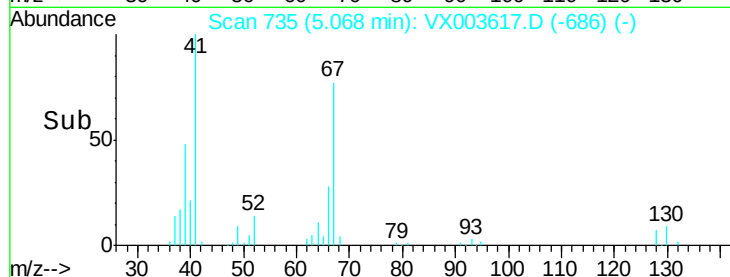
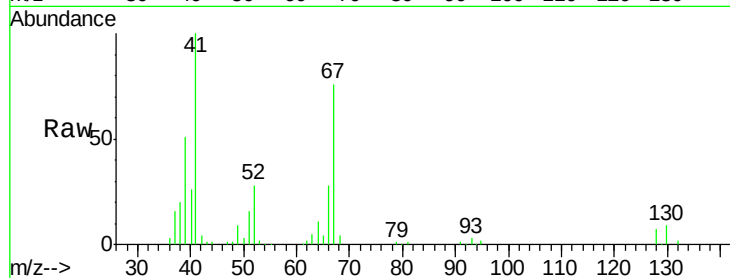
#41
Methacrylonitrile
Concen: 51.82 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.2	45.8	68.6
67	78.3	51.3	76.9
52	30.2	23.0	34.6

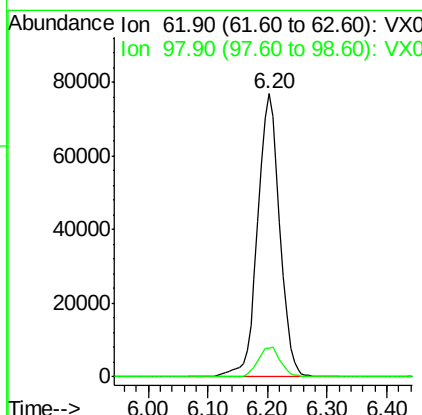
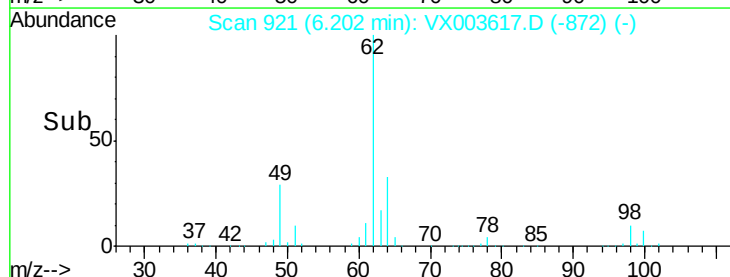
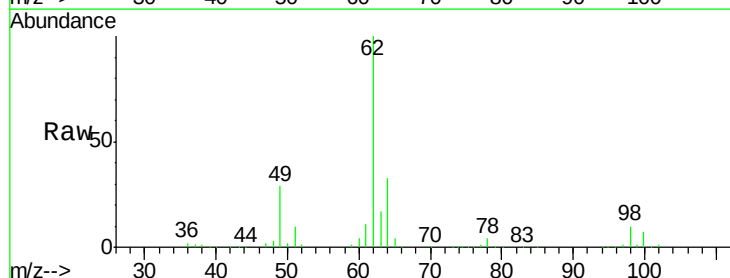
Manual Integrations
APPROVED

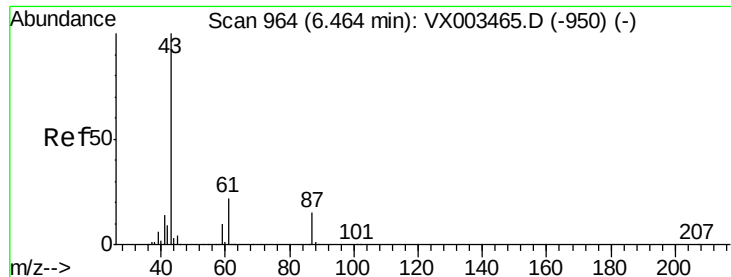
MMDadoda
7/24/2018 3:54:41 PM



#42
1,2-Dichloroethane
Concen: 53.46 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	16.6





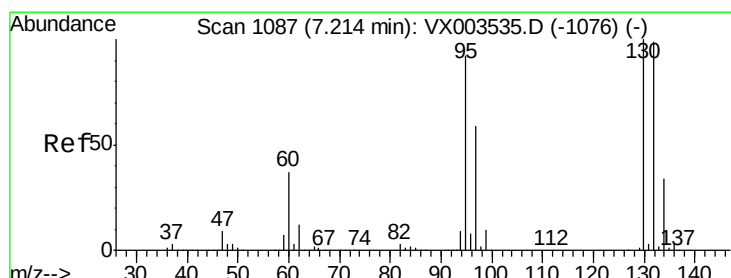
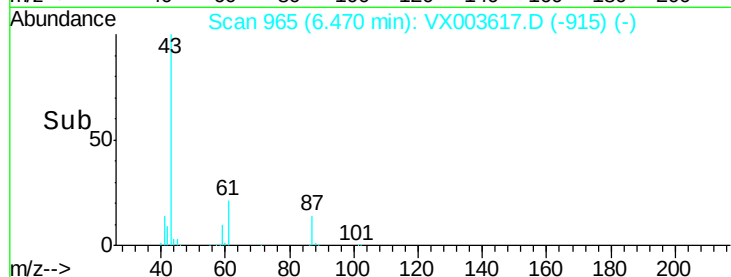
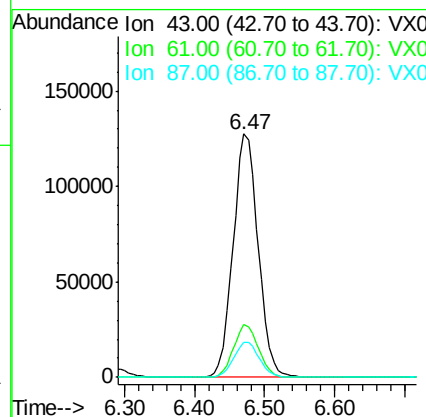
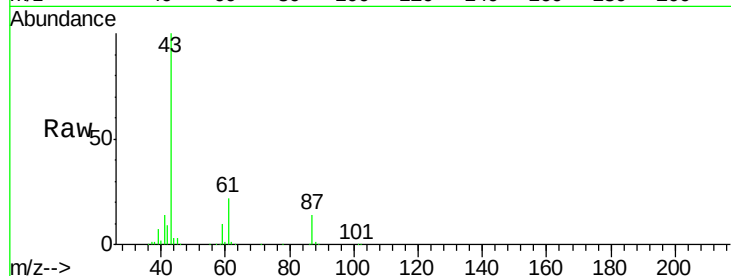
#43
Isopropyl Acetate
Concen: 53.93 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.01 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	14.4	21.6
87	14.8	9.5	14.3

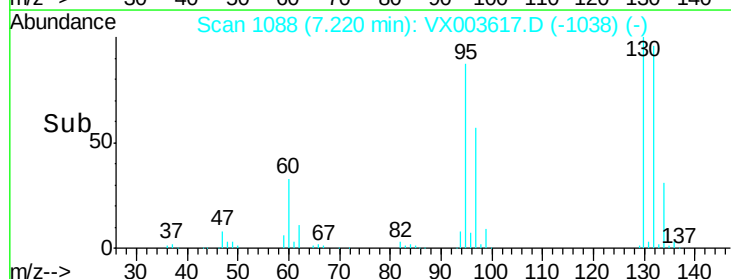
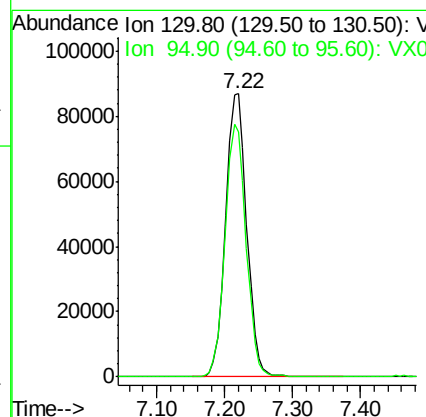
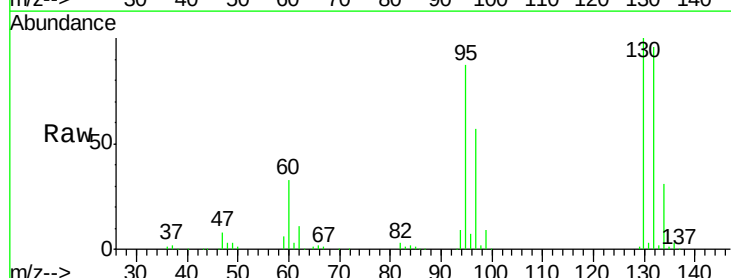
Manual Integrations
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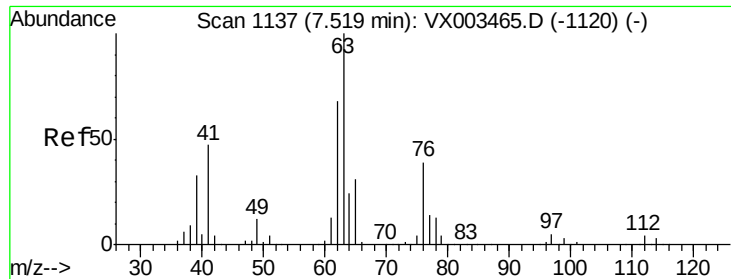
MMDadoda
7/24/2018 3:54:41 PM



#44
Trichloroethene
Concen: 53.46 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.7	0.0	185.4





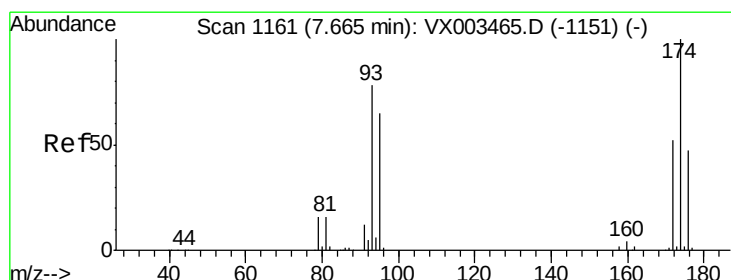
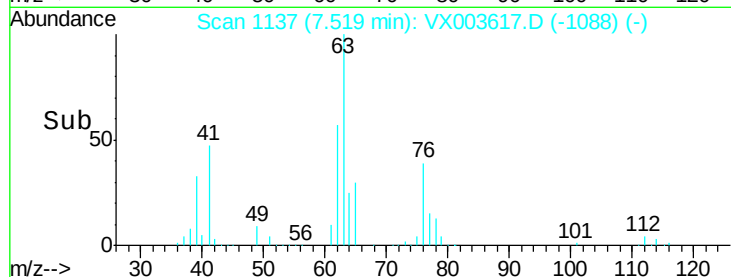
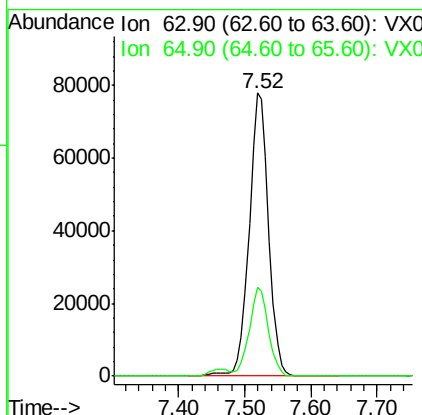
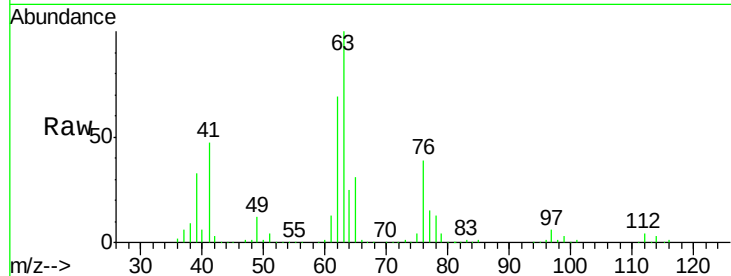
#45
 1,2-Dichloropropane
 Concen: 53.35 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 159487
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.7 37.1

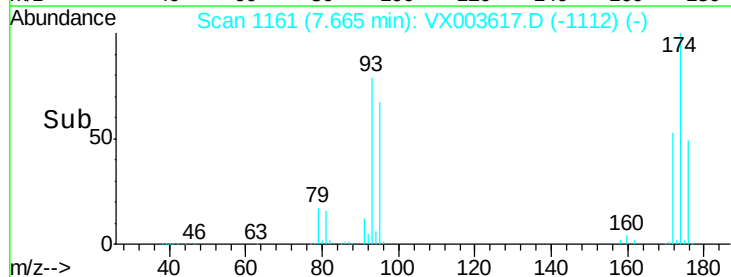
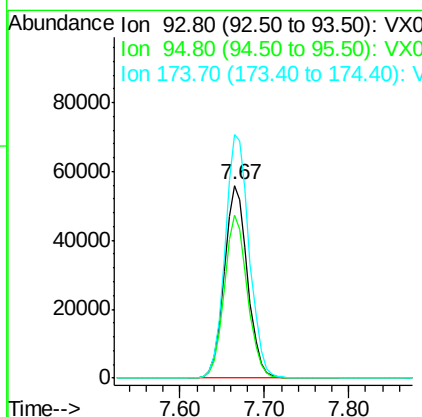
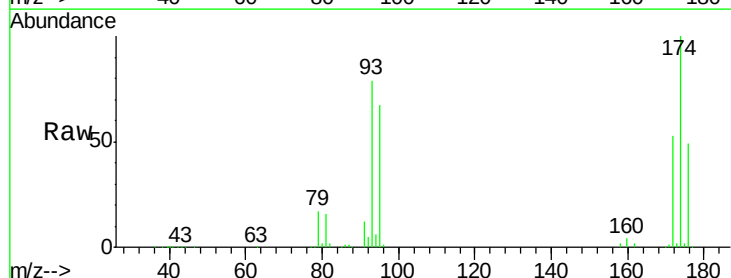
Manual Integrations
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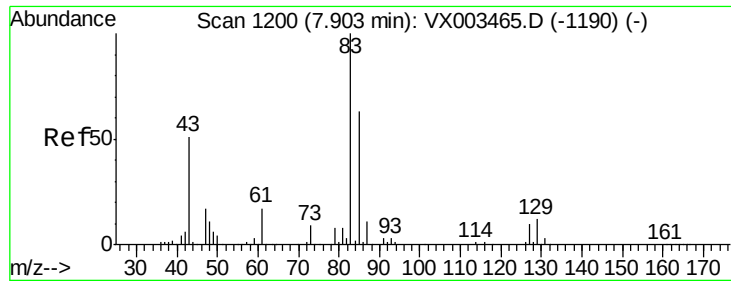
MMDadoda
 7/24/2018 3:54:41 PM



#46
 Dibromomethane
 Concen: 54.78 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Tgt Ion: 93 Resp: 105431
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.9 98.9
 174 131.0 92.4 138.6





#47

Bromodichloromethane

Concen: 56.94 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

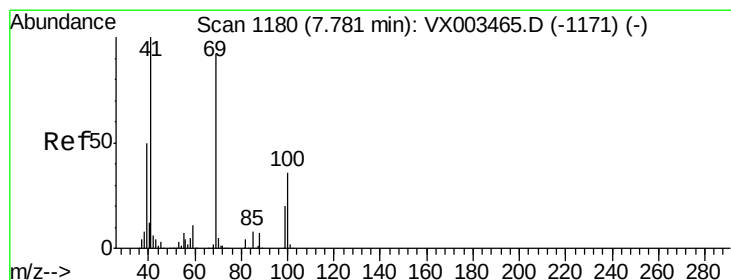
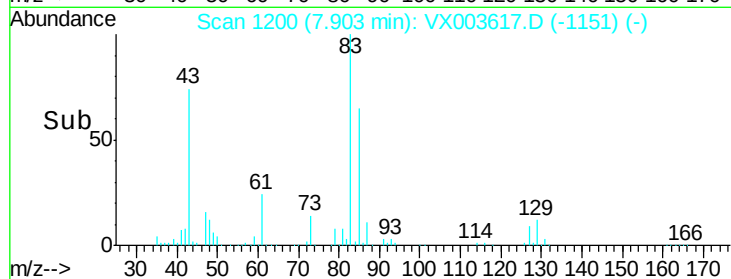
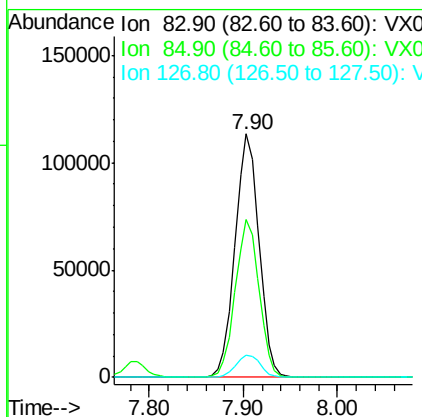
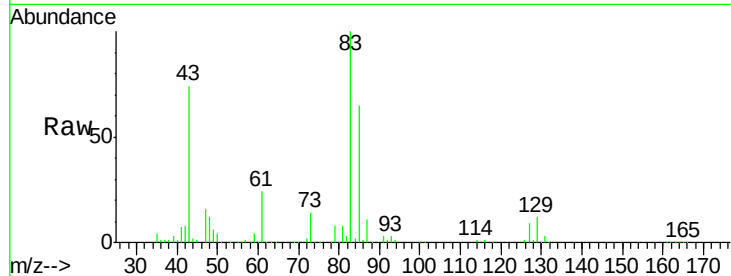
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	200631
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.3	75.5
127	9.2	7.0	10.4

Manual Integrations
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MMDadoda
7/24/2018 3:54:41 PM



#48

Methyl methacrylate

Concen: 55.01 ug/l

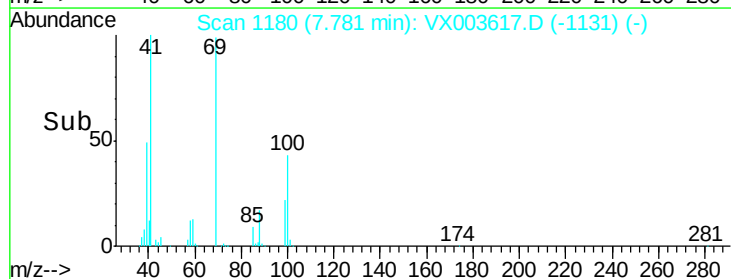
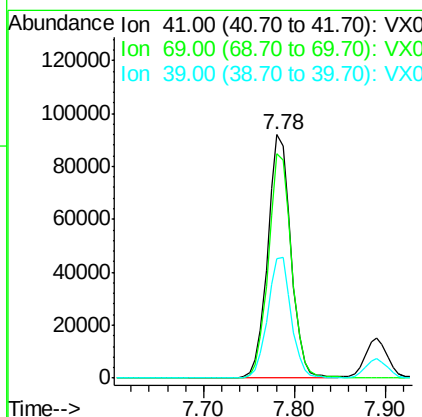
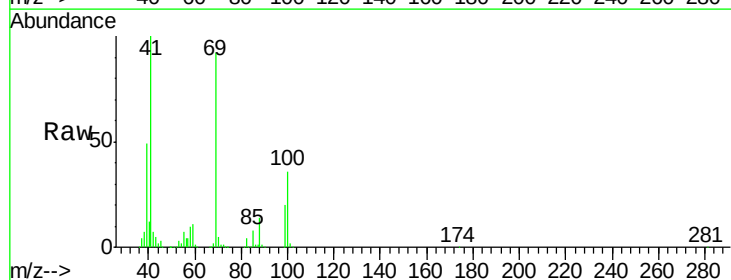
RT: 7.78 min Scan# 1180

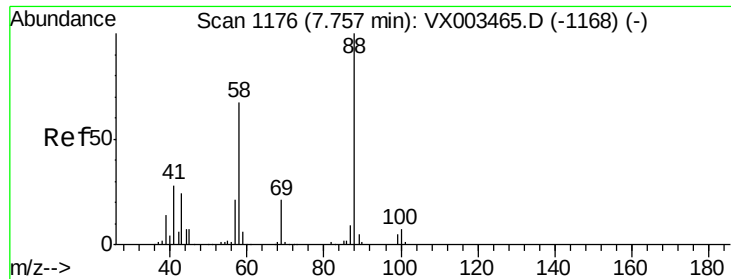
Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Tgt Ion:	41	Resp:	162835
Ion	Ratio	Lower	Upper
41	100		
69	92.4	59.1	88.7#
39	50.0	48.9	73.3





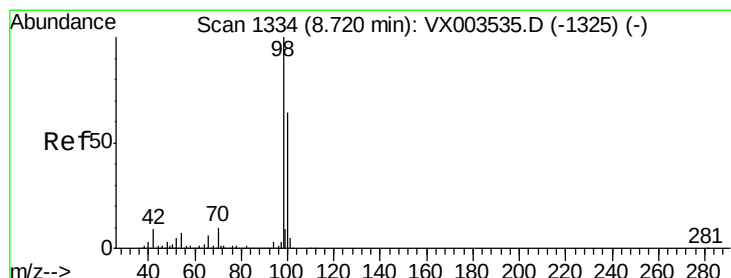
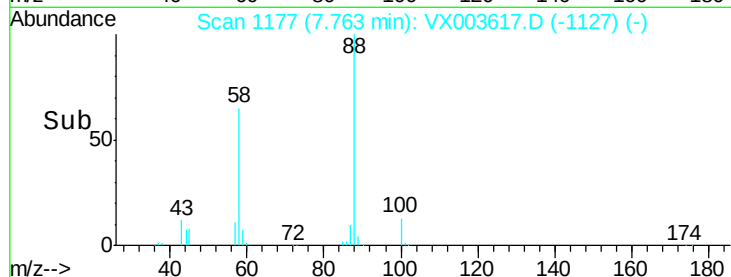
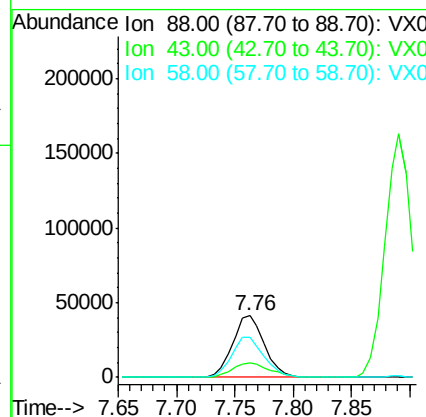
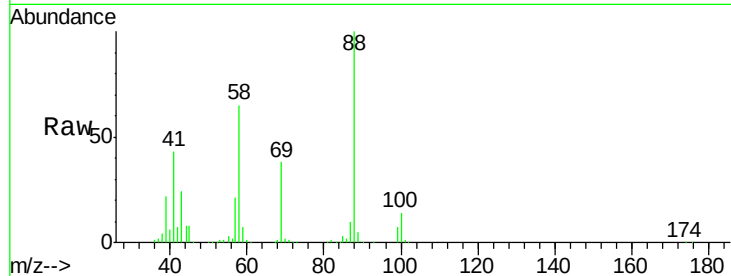
#49
1,4-Dioxane
Concen: 1169.81 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.7	29.8	44.6#
58	68.1	57.1	85.7

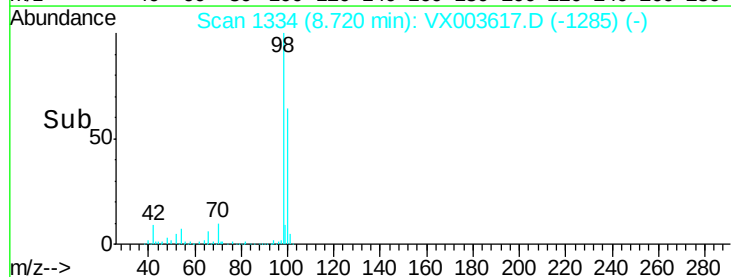
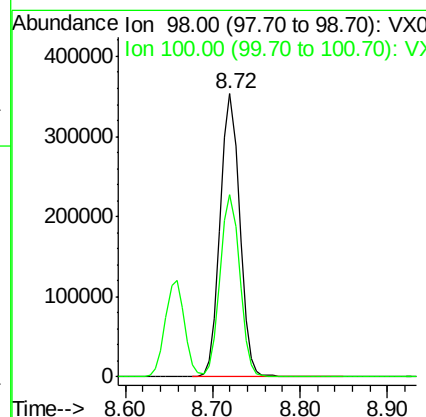
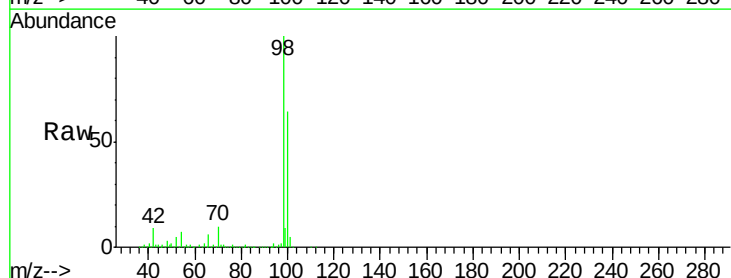
Manual Integrations
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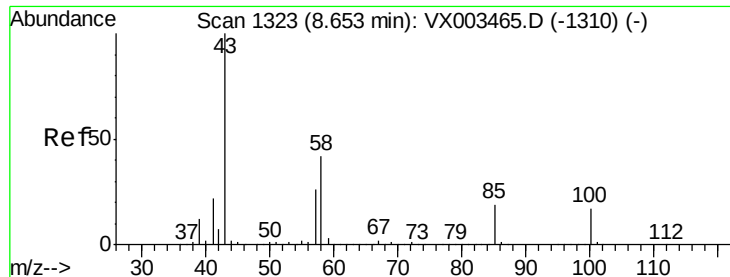
MMDadoda
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#50
Toluene-d8
Concen: 52.99 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 285.24 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1057697

Ion Ratio Lower Upper

43 100

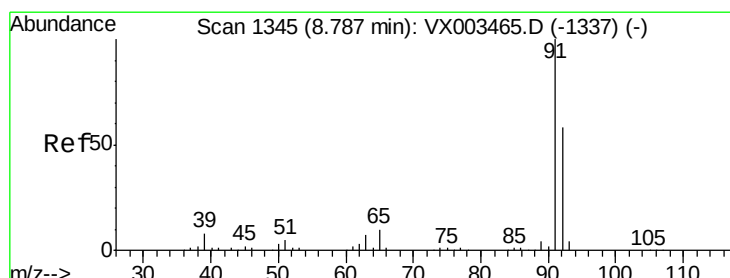
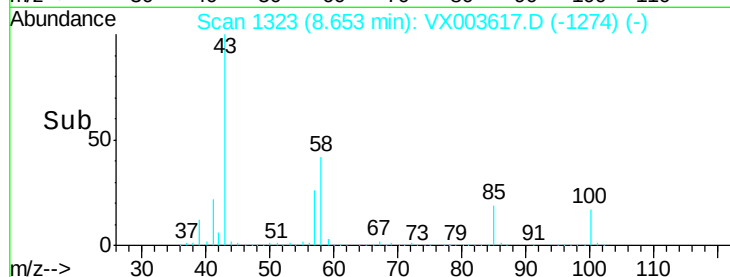
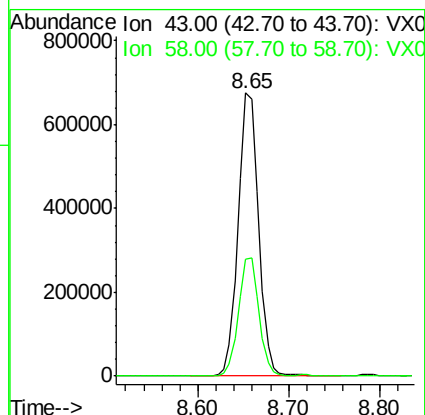
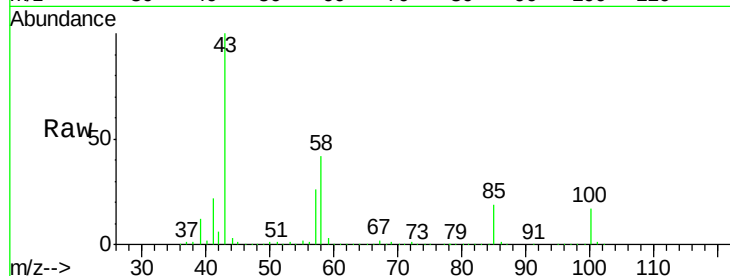
58 41.8 28.6 42.8

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 53.76 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003617.D

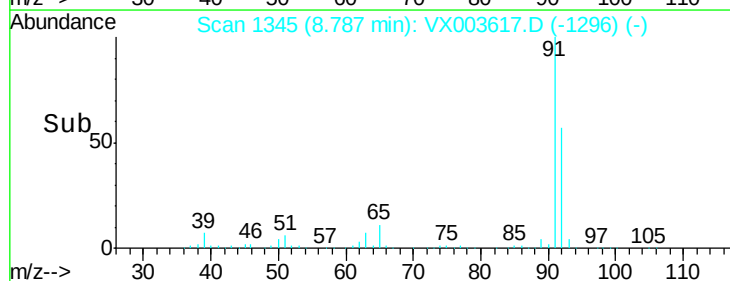
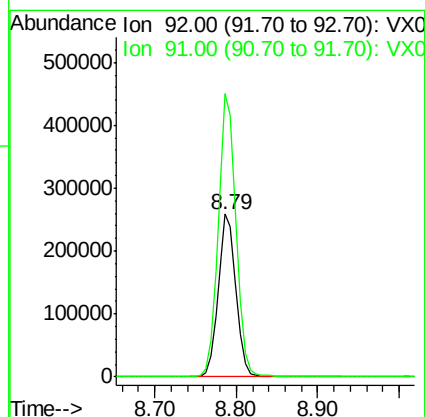
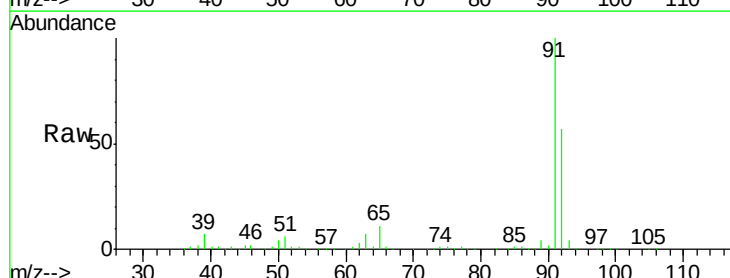
Acq: 23 Jul 2018 21:23

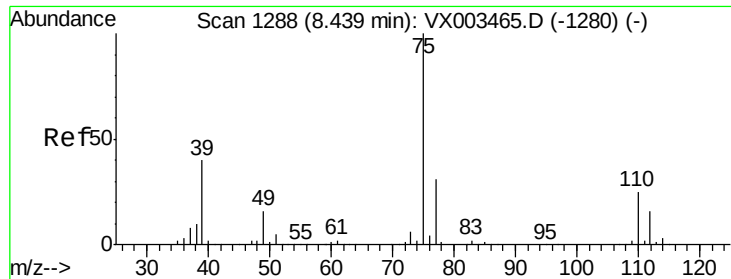
Tgt Ion: 92 Resp: 398374

Ion Ratio Lower Upper

92 100

91 173.6 140.4 210.6





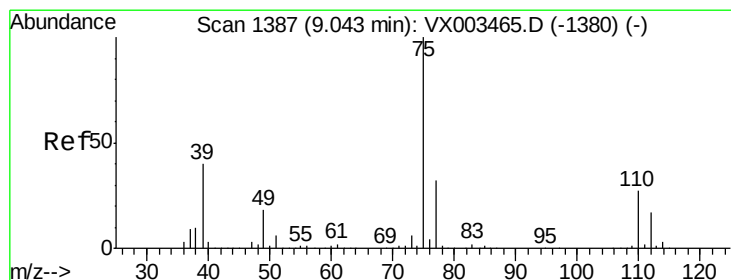
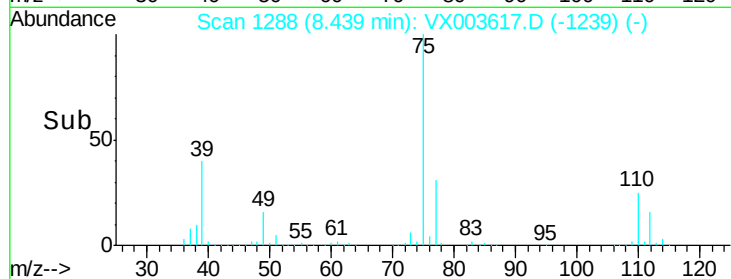
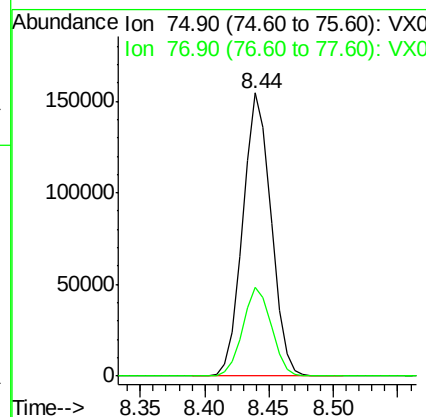
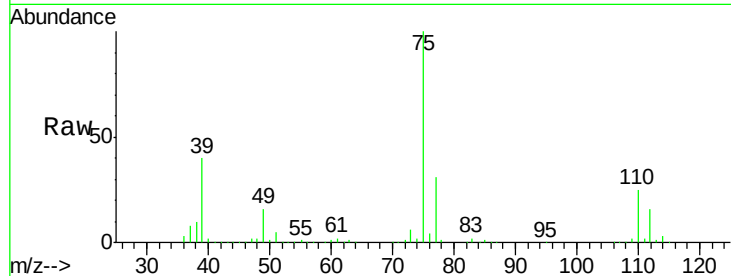
#53
t-1,3-Dichloropropene
Concen: 54.25 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	235266		
77	31.5	25.4	38.2	

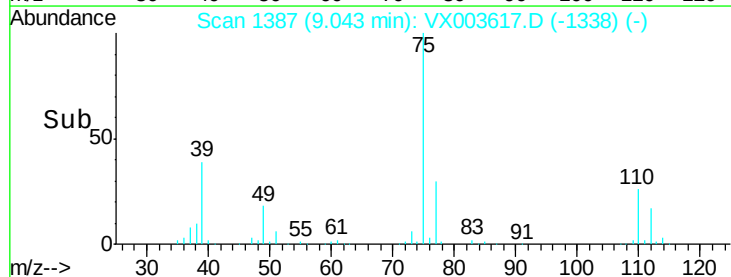
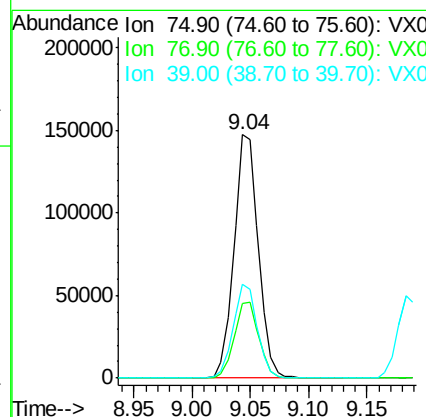
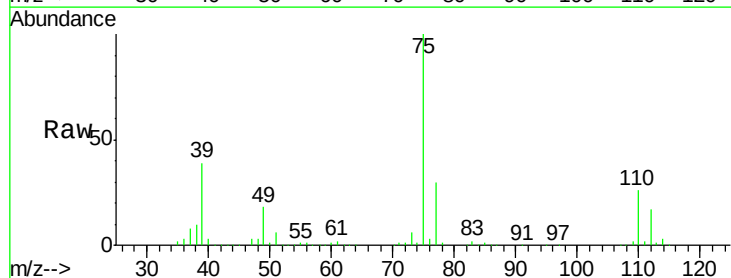
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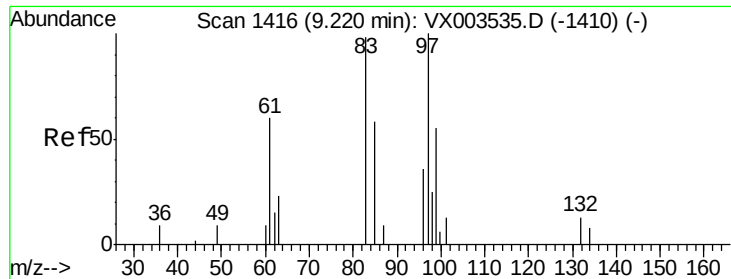
MMDadoda
7/24/2018 3:54:41 PM



#54
cis-1,3-Dichloropropene
Concen: 54.70 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	213318		
77	30.5	24.8	37.2	
39	38.7	42.4	63.6#	





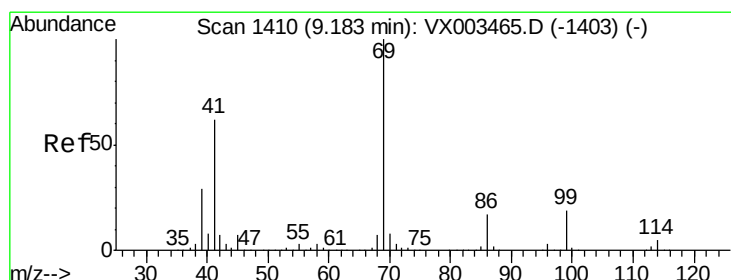
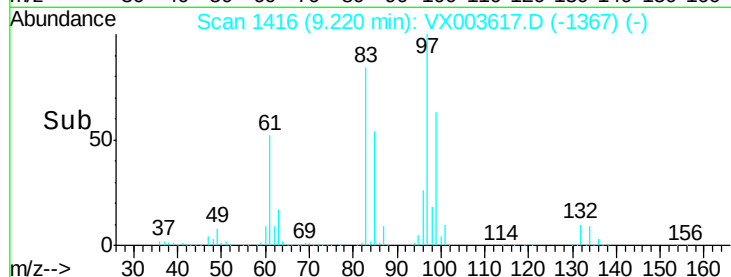
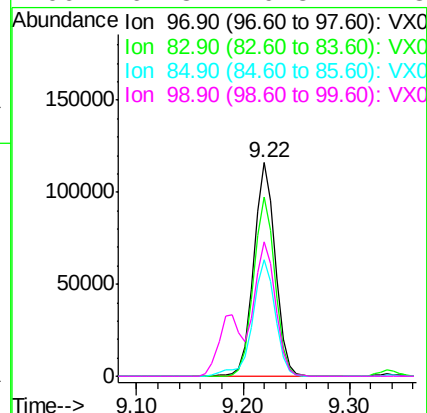
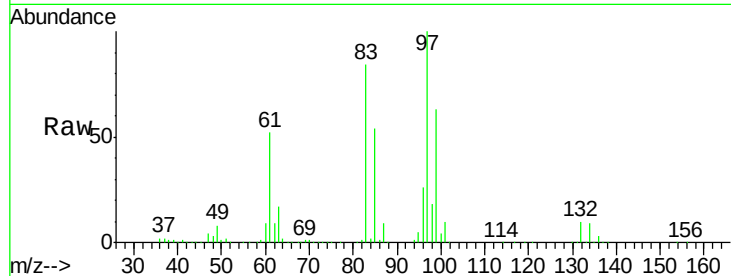
#55
 1,1,2-Trichloroethane
 Concen: 56.12 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	165494
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.2	105.2
85	54.5	44.9	67.3
99	62.8	49.8	74.8

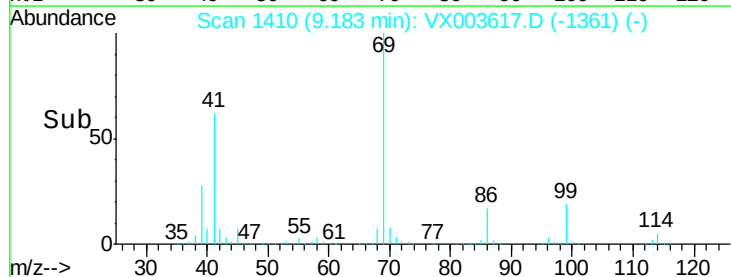
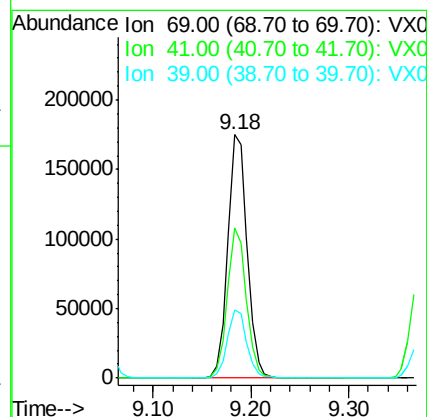
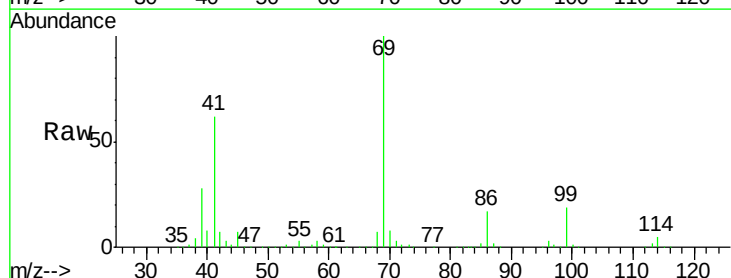
Manual Integrations
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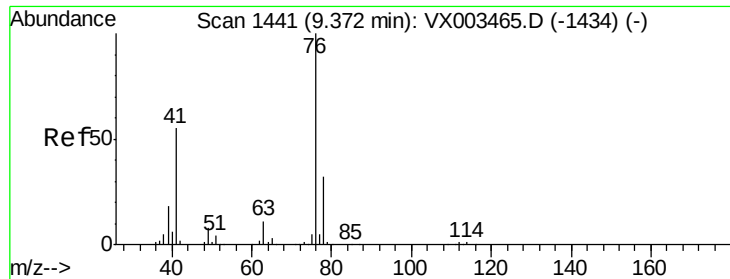
MMDadoda
 7/24/2018 3:54:41 PM



#56
 Ethyl methacrylate
 Concen: 57.83 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Tgt Ion:	69	Resp:	240184
Ion	Ratio	Lower	Upper
69	100		
41	60.4	60.3	90.5
39	28.3	35.8	53.8#





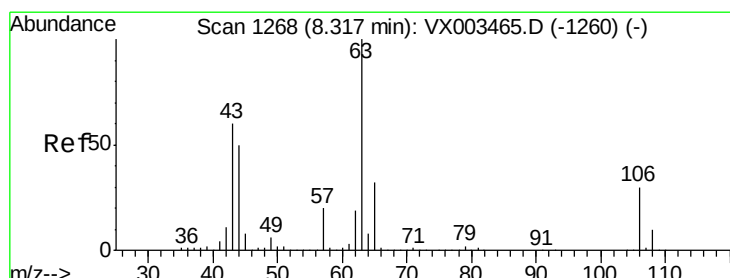
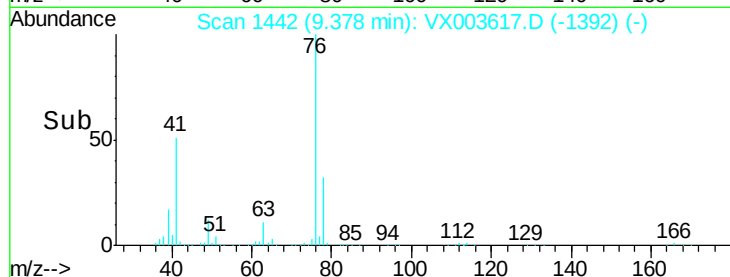
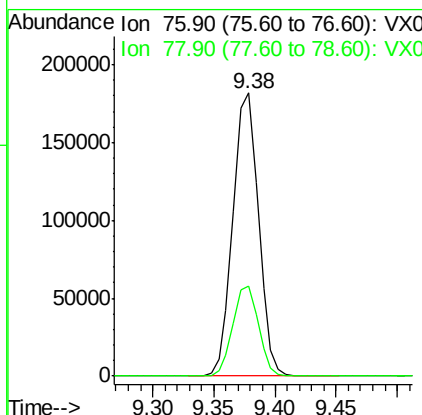
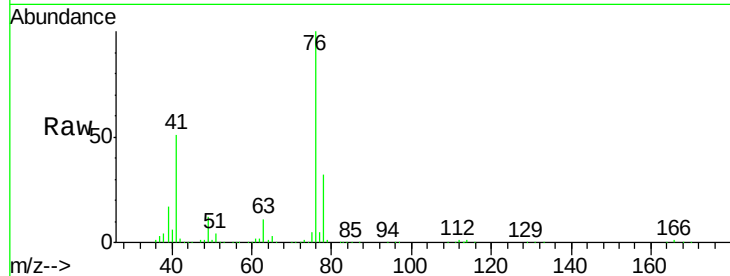
#57
 1,3-Dichloropropane
 Concen: 55.23 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 263265
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6

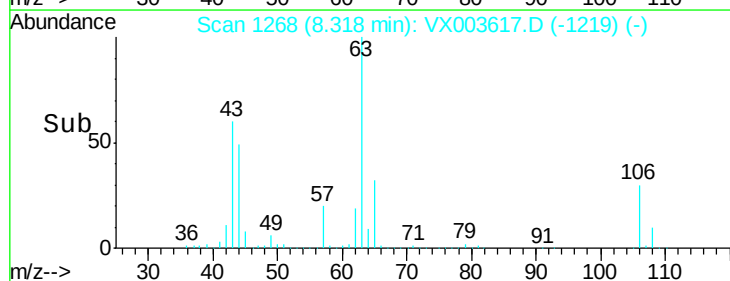
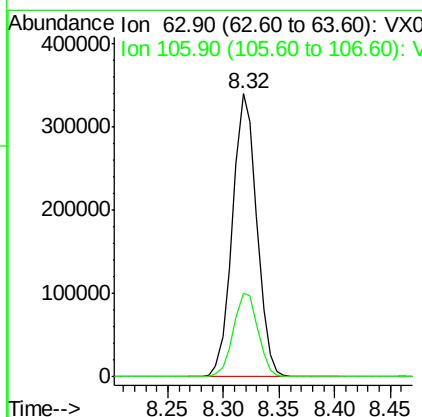
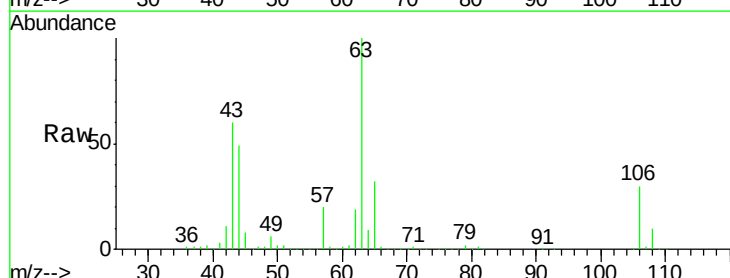
Manual Integrations
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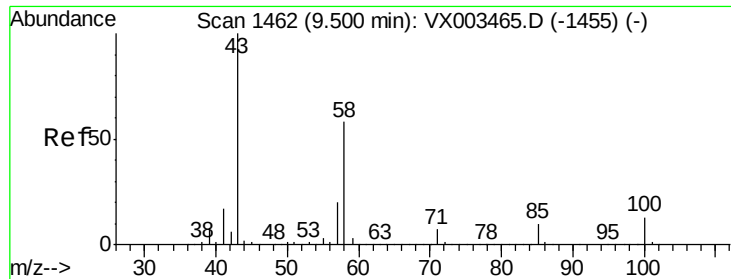
MMDadoda
 7/24/2018 3:54:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.08 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Tgt Ion: 63 Resp: 513149
 Ion Ratio Lower Upper
 63 100
 106 30.4 21.8 32.8





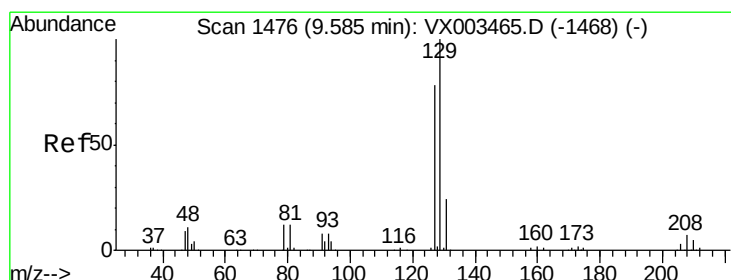
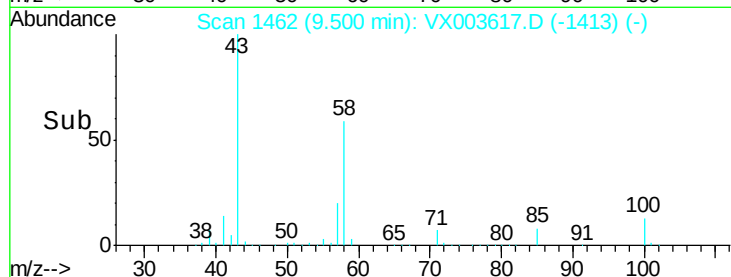
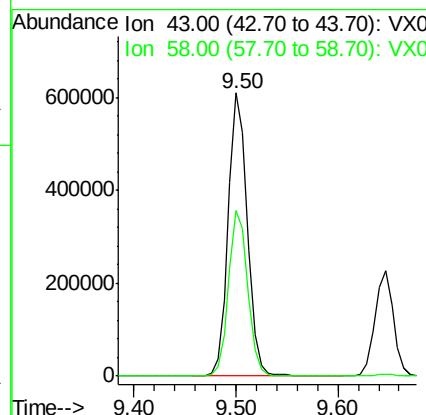
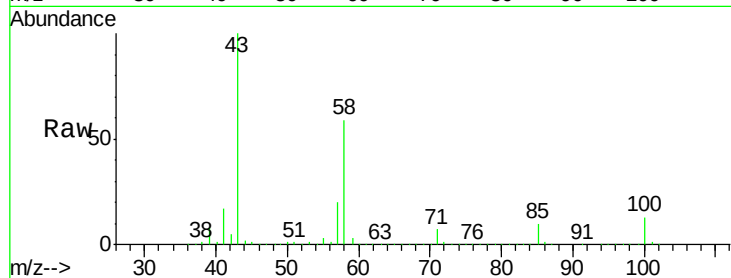
#59
2-Hexanone
Concen: 288.94 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 793829
Ion Ratio Lower Upper
43 100
58 58.8 24.6 73.6

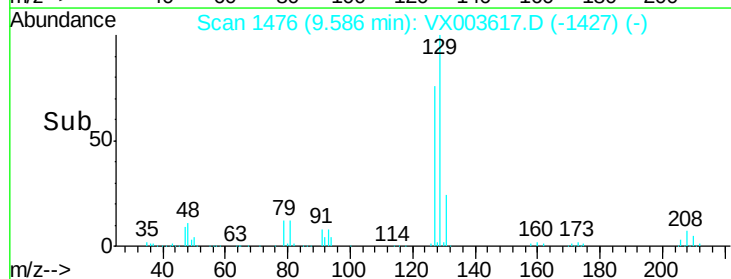
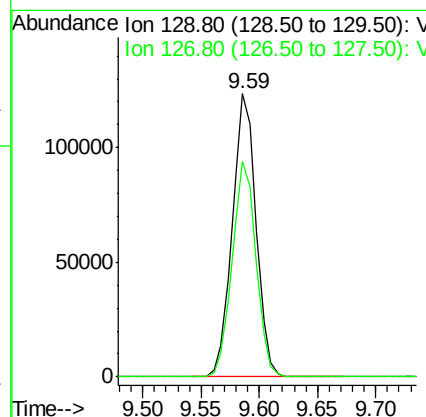
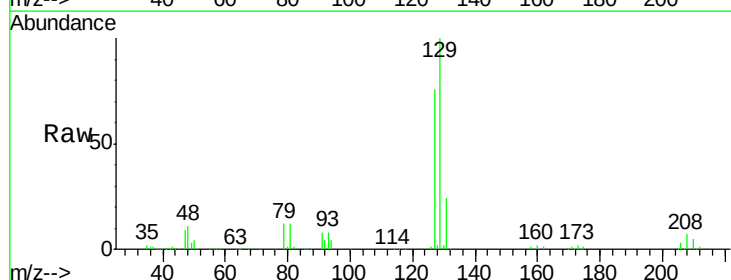
Manual Integrations
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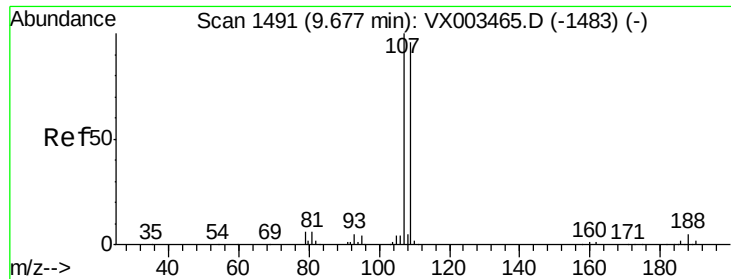
MMDadoda
7/24/2018 3:54:41 PM



#60
Dibromochloromethane
Concen: 59.82 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion: 129 Resp: 174613
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 56.11 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 171524

Ion Ratio Lower Upper

107 100

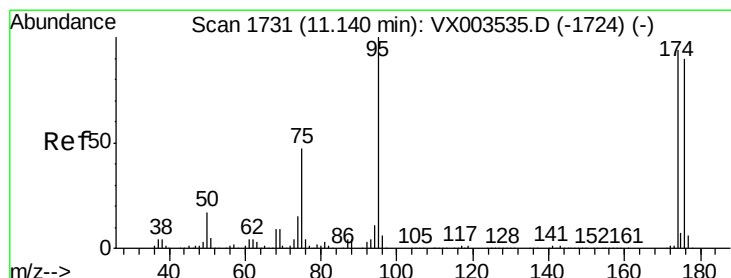
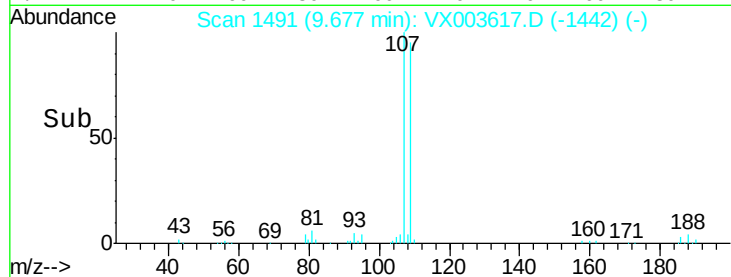
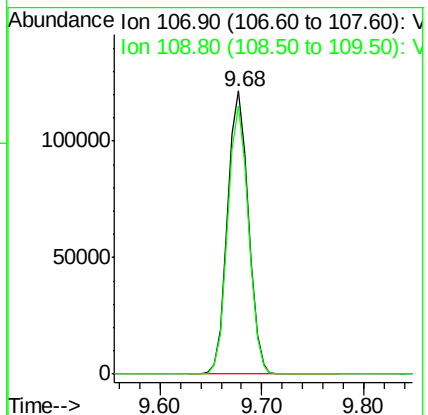
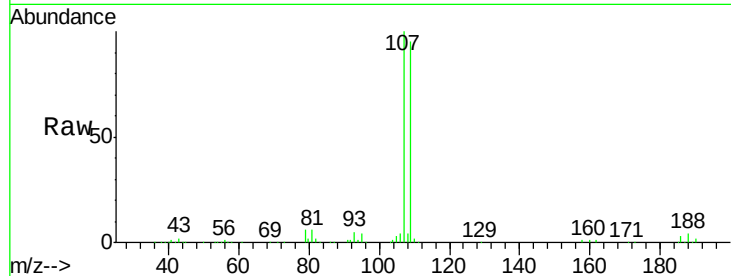
109 94.5 75.3 112.9

Manual Integrations

APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 53.72 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

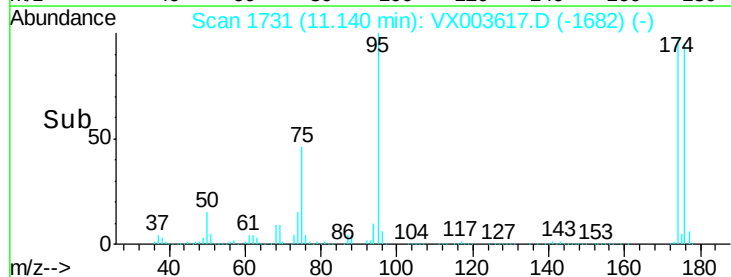
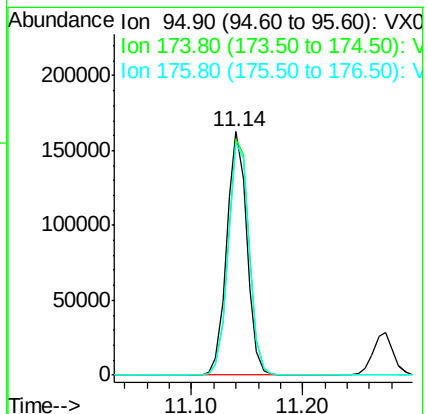
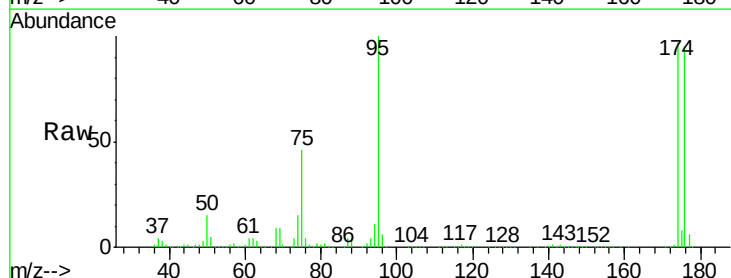
Tgt Ion: 95 Resp: 202699

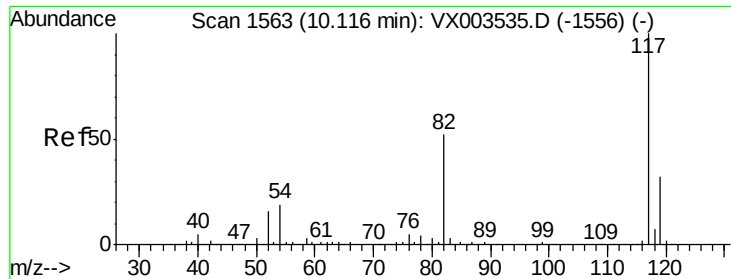
Ion Ratio Lower Upper

95 100

174 100.7 0.0 187.4

176 98.5 0.0 181.0





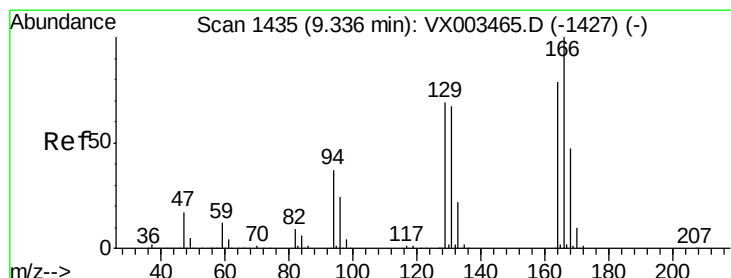
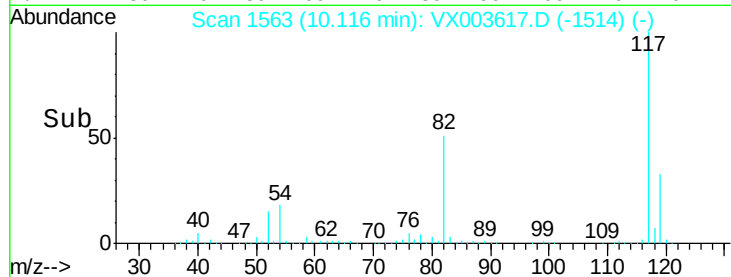
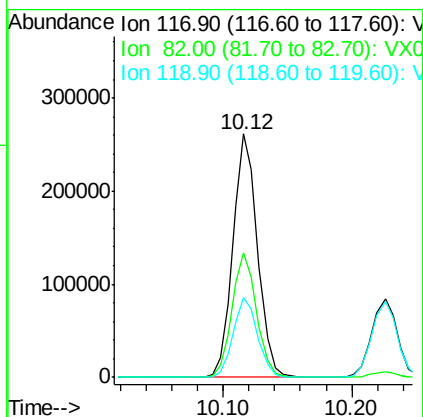
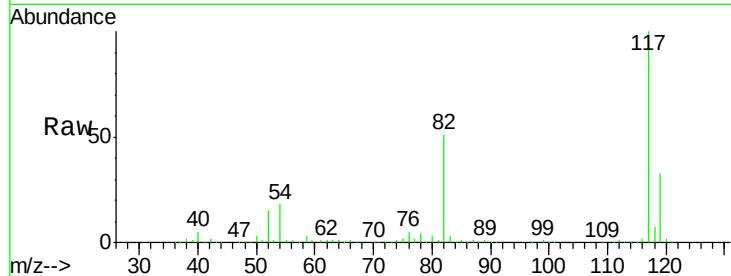
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	348123		
82	51.3	45.0	67.4	
119	32.8	25.8	38.6	

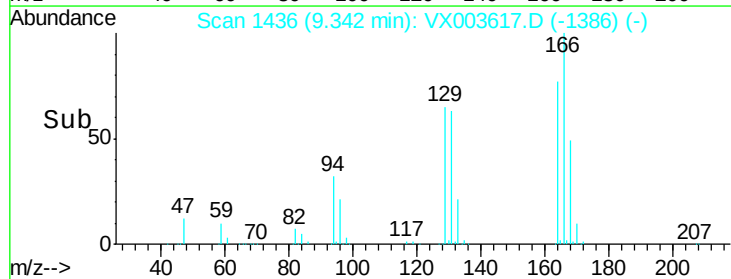
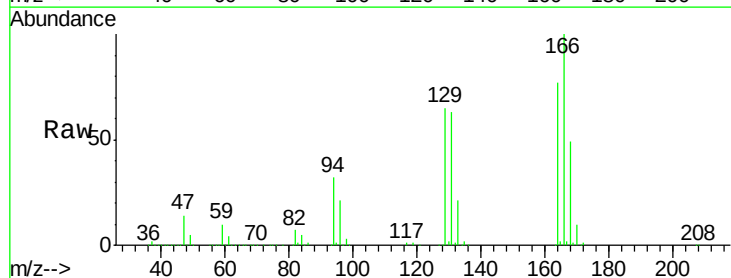
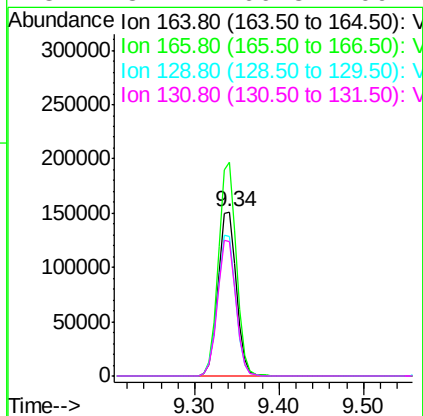
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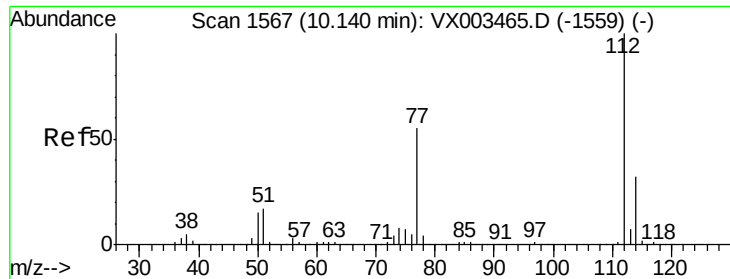
MMDadoda
7/24/2018 3:54:41 PM



#64
Tetrachloroethene
Concen: 53.74 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	227941		
166	129.9	102.9	154.3	
129	85.0	68.6	102.8	
131	82.1	66.8	100.2	





#65

Chlorobenzene

Concen: 51.85 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 465022

Ion Ratio Lower Upper

112 100

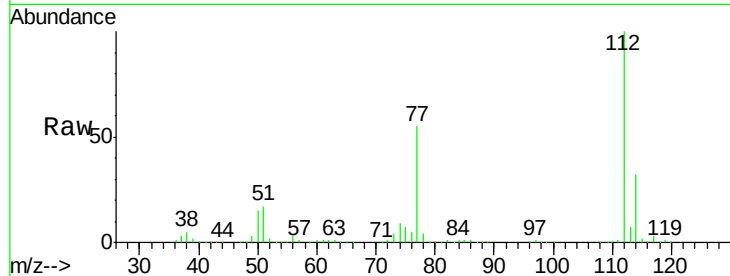
114 32.0 25.3 37.9

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

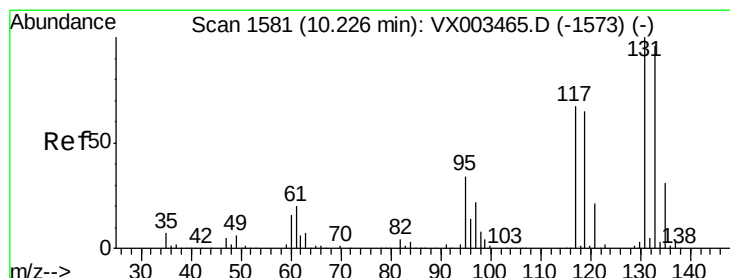
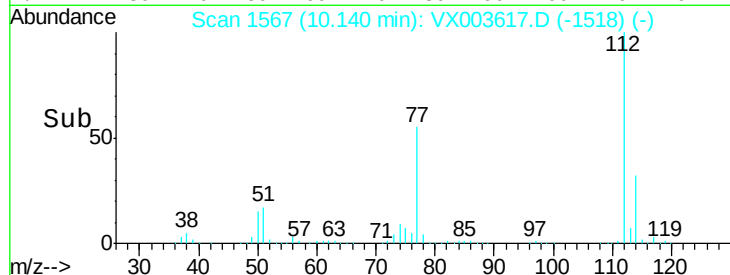
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 55.88 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

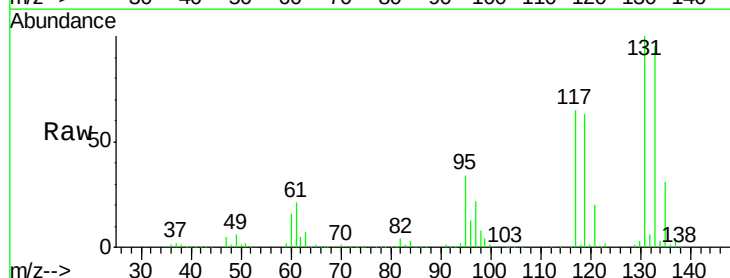
Tgt Ion:131 Resp: 172445

Ion Ratio Lower Upper

131 100

133 95.6 47.9 143.6

119 64.2 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

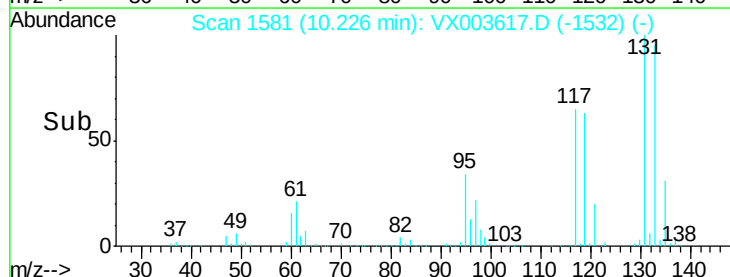
150000

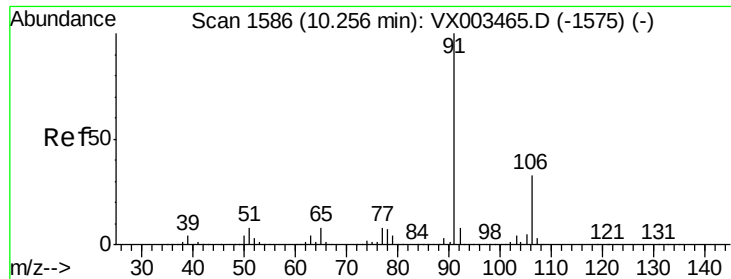
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 53.03 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 764813

Ion Ratio Lower Upper

91 100

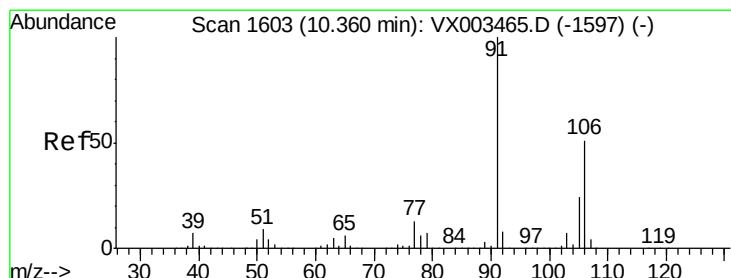
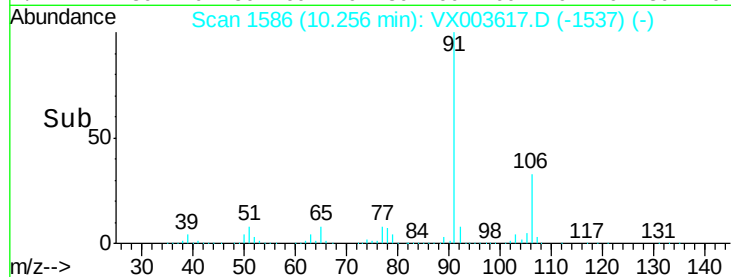
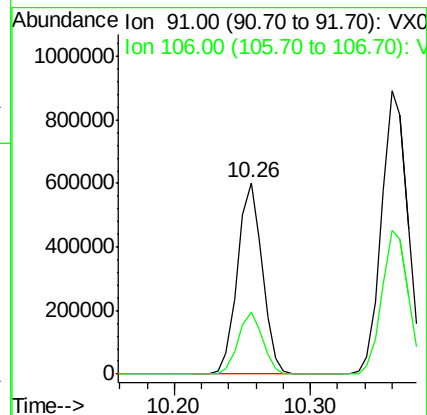
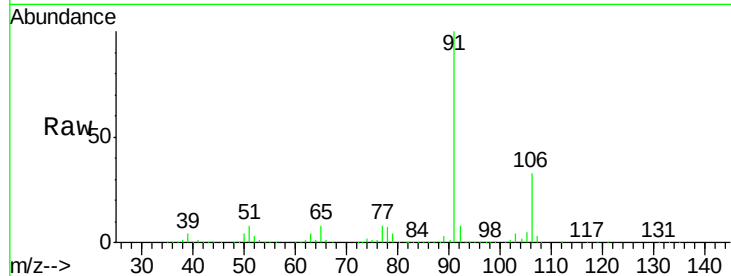
106 32.5 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 107.36 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003617.D

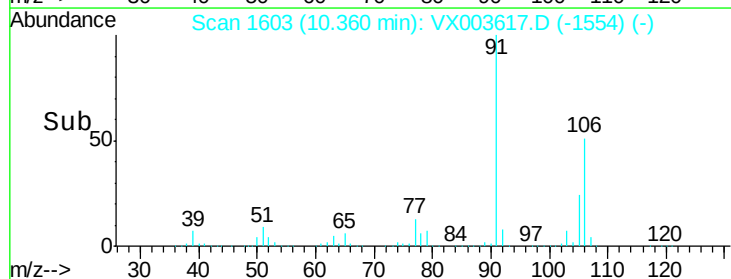
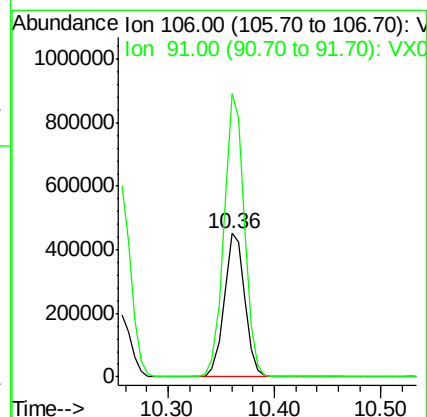
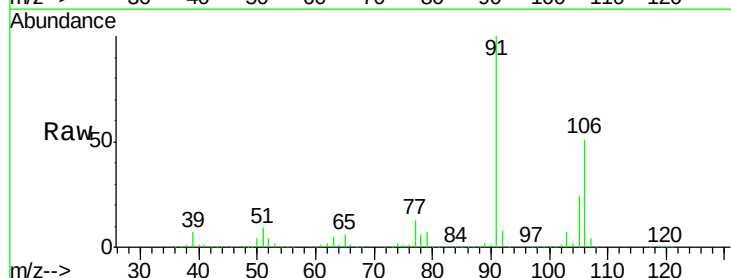
Acq: 23 Jul 2018 21:23

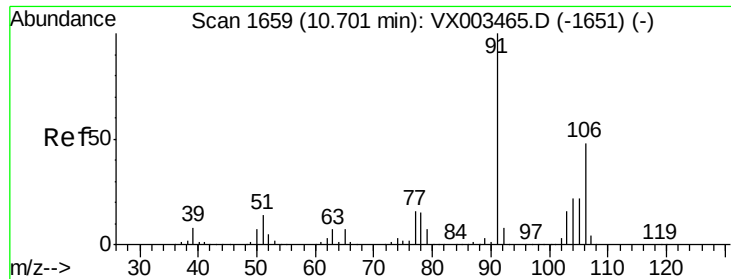
Tgt Ion: 106 Resp: 606996

Ion Ratio Lower Upper

106 100

91 195.2 163.4 245.2





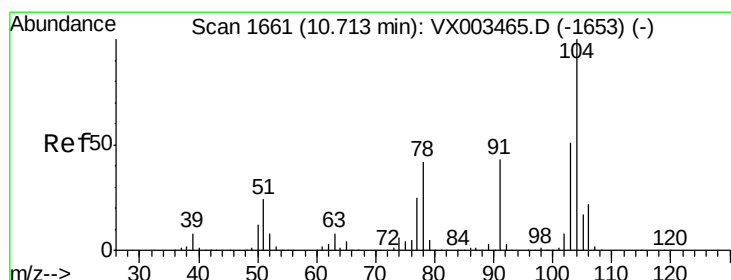
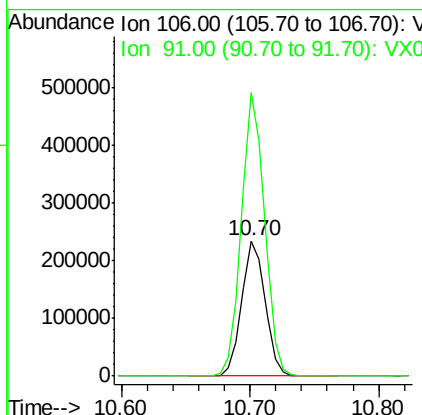
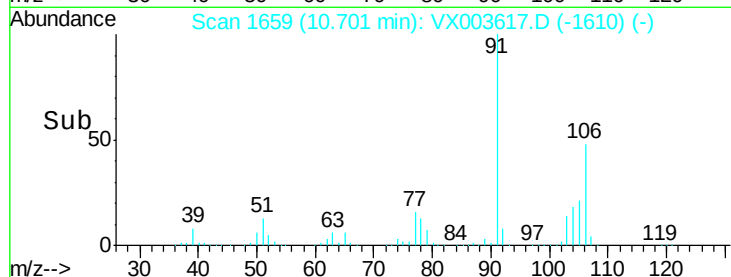
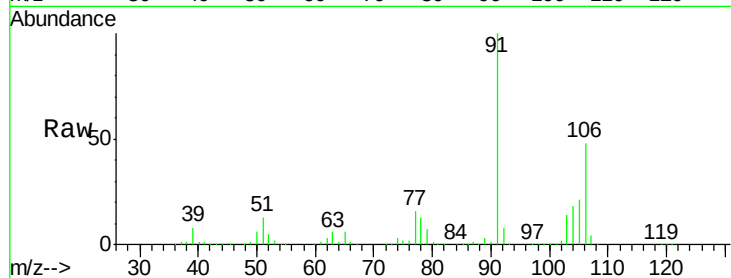
#69
o-Xylene
Concen: 53.96 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 295020
Ion Ratio Lower Upper
106 100
91 207.2 108.2 324.6

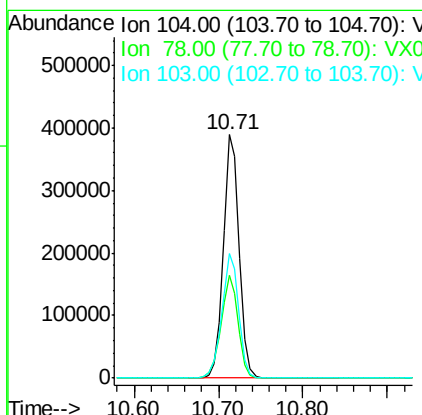
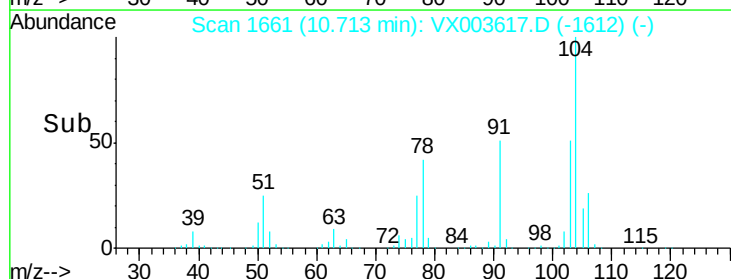
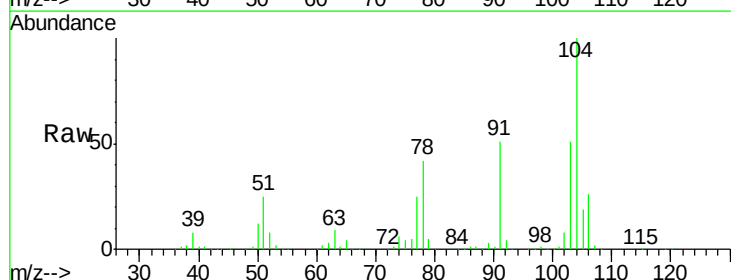
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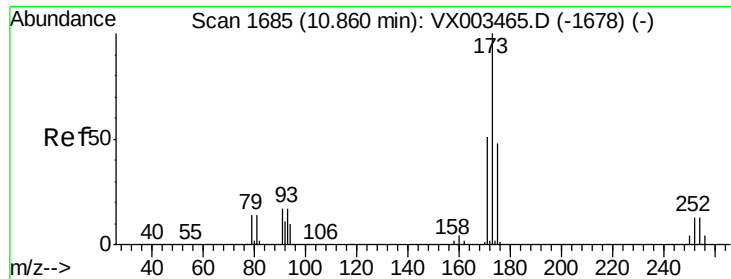
MMDadoda
7/24/2018 3:54:41 PM



#70
Styrene
Concen: 56.01 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion:104 Resp: 503707
Ion Ratio Lower Upper
104 100
78 45.5 41.0 61.6
103 54.6 44.2 66.4





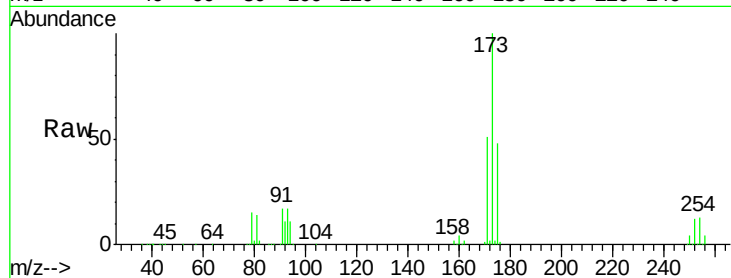
#71
Bromoform
Concen: 59.58 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

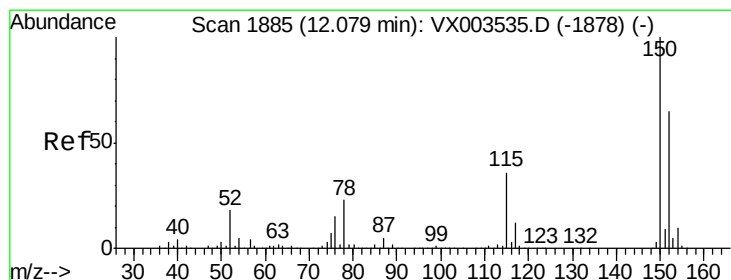
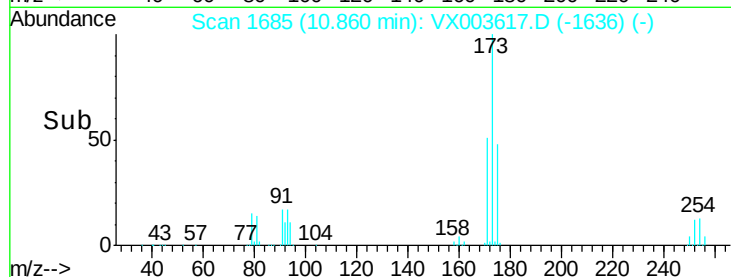
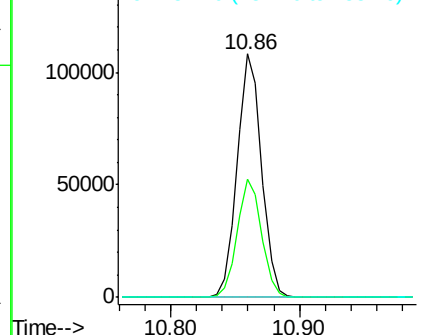
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.7	74.1
254	0.2	0.2	0.2

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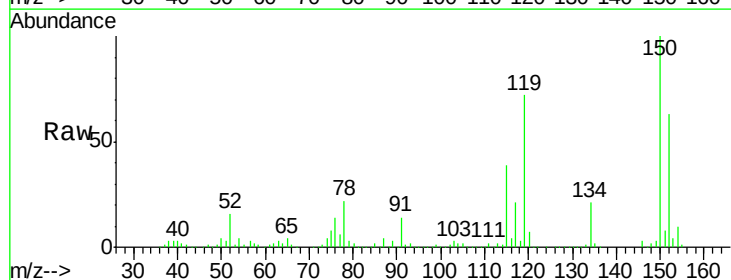


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

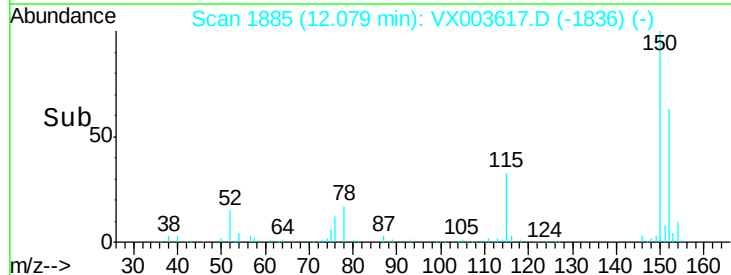
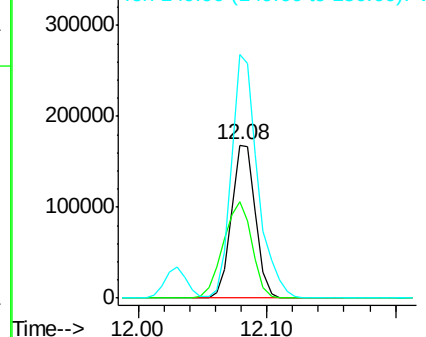


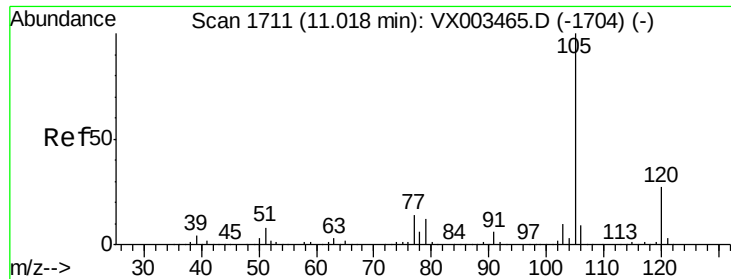
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.9	40.1	120.2
150	174.6	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.03 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 789827

Ion Ratio Lower Upper

105 100

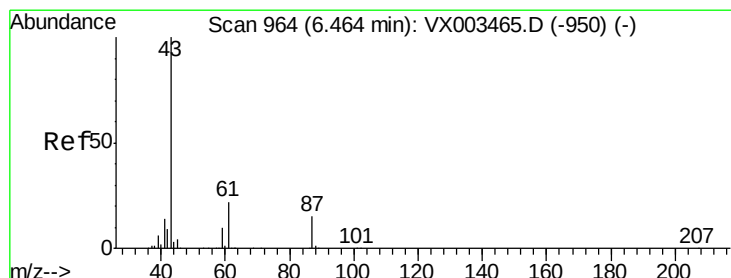
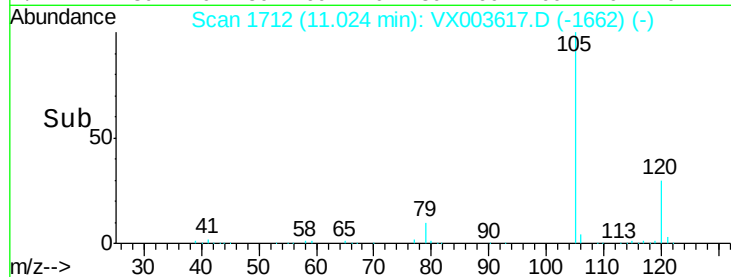
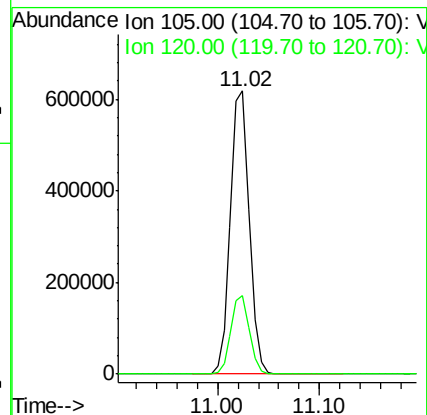
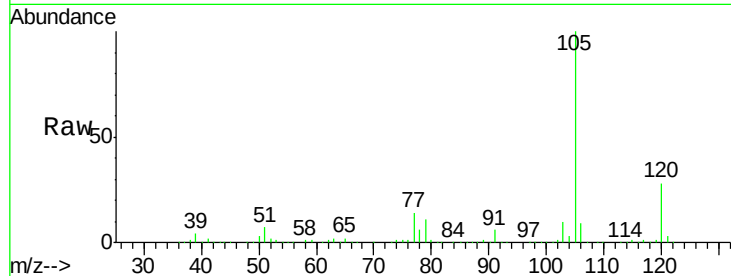
120 27.3 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.11 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Tgt Ion: 43 Resp: 316523

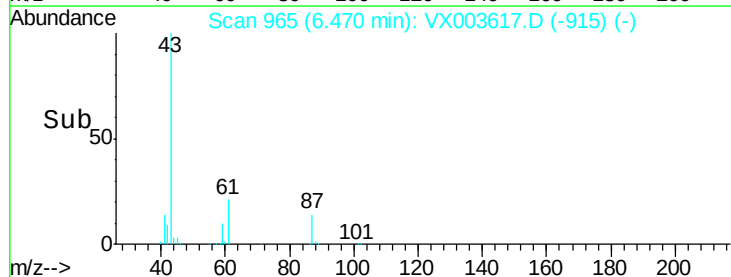
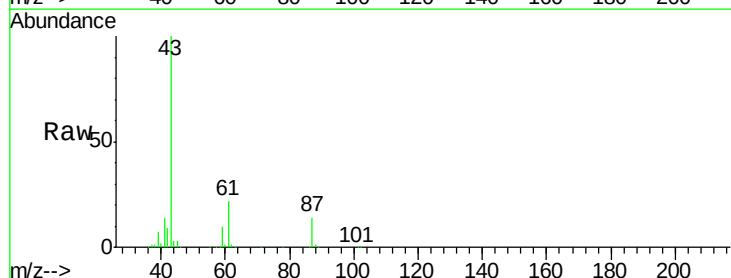
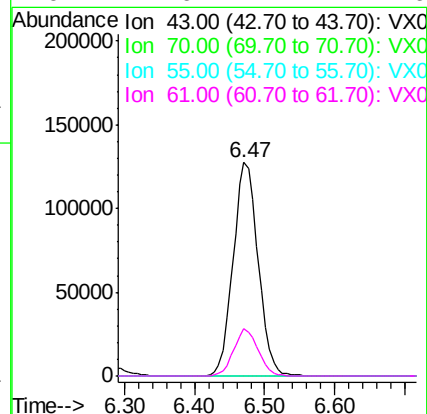
Ion Ratio Lower Upper

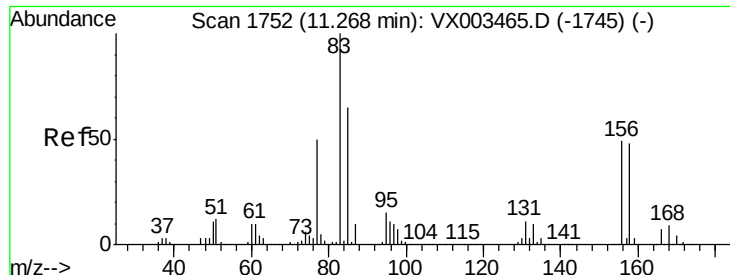
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 21.6 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.47 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

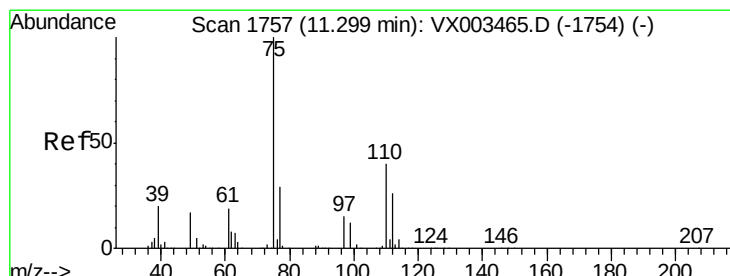
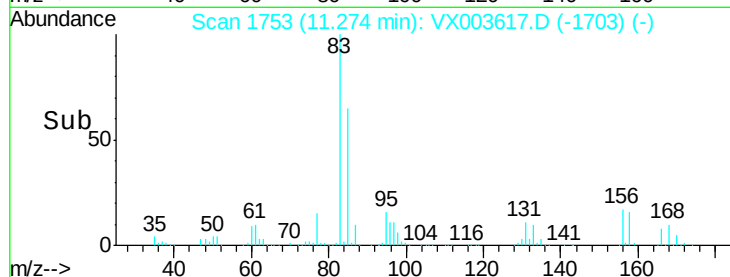
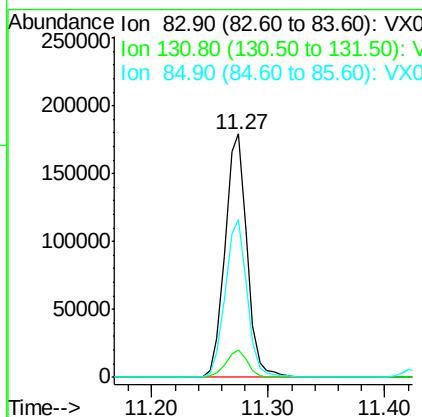
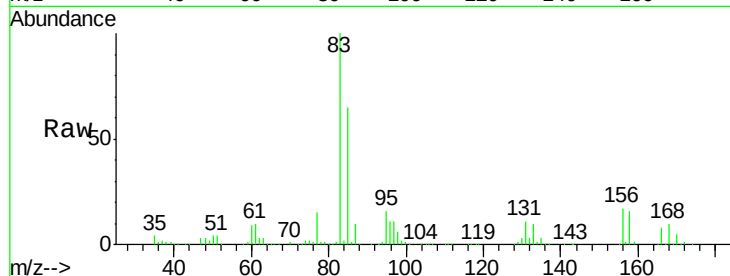
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	233387
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	64.5	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.17 ug/l m

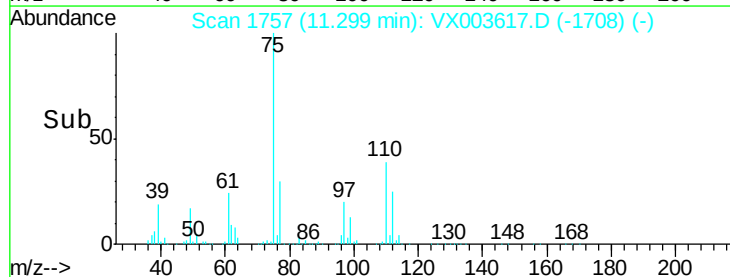
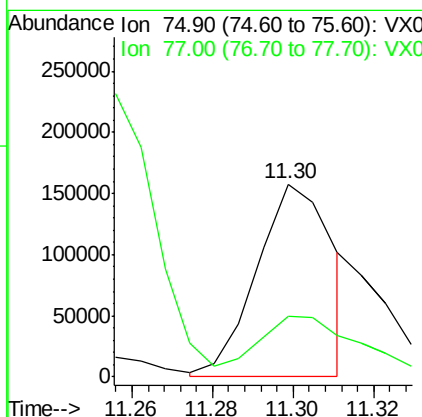
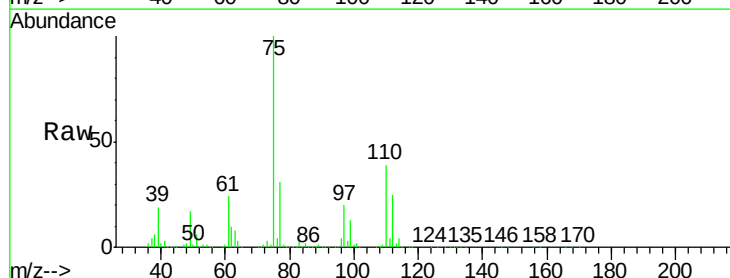
RT: 11.30 min Scan# 1757

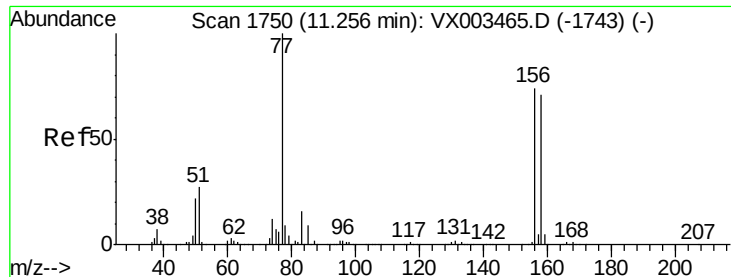
Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Tgt Ion:	75	Resp:	205703
Ion Ratio	Lower	Upper	
75	100		
77	42.3	22.8	68.3





#77

Bromobenzene

Concen: 51.28 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 223869

Ion Ratio Lower Upper

156 100

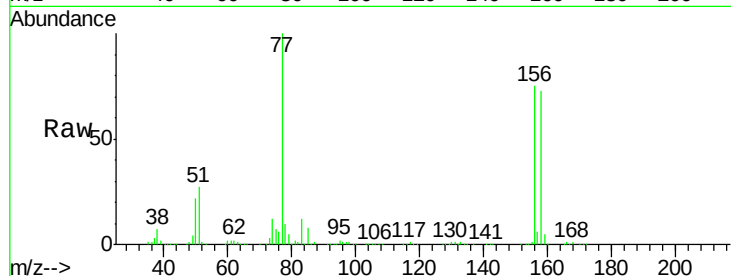
77 129.5 71.4 214.2

158 97.8 48.9 146.6

Manual Integrations
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MMDadoda

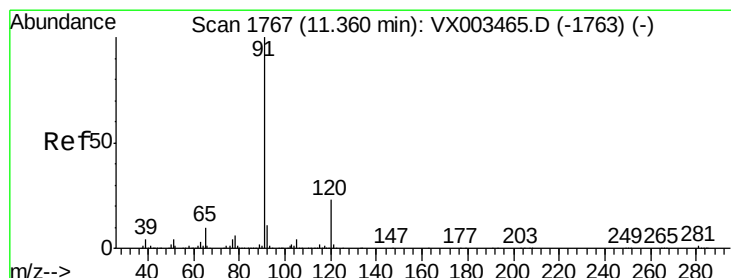
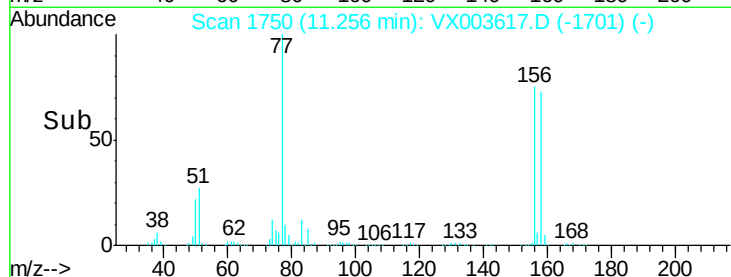
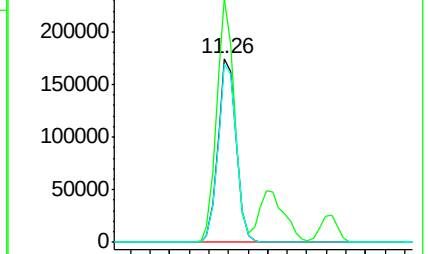
7/24/2018 3:54:41 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.88 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003617.D

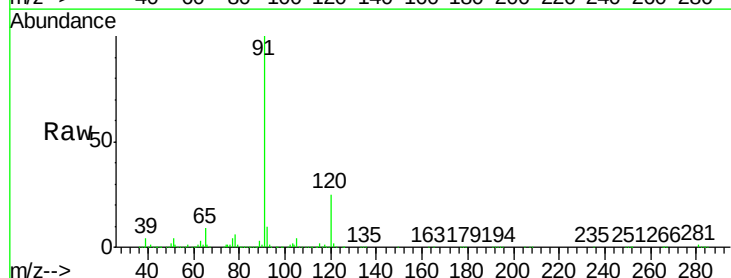
Acq: 23 Jul 2018 21:23

Tgt Ion: 91 Resp: 875290

Ion Ratio Lower Upper

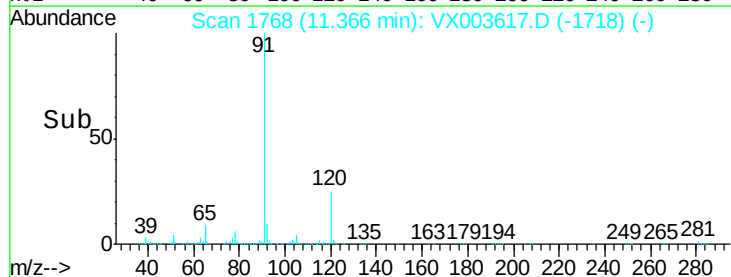
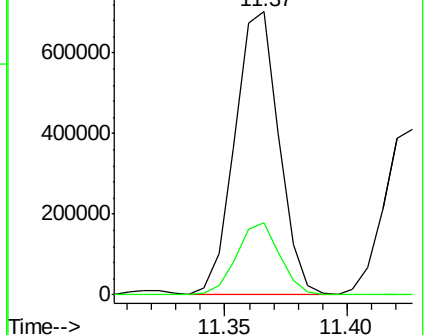
91 100

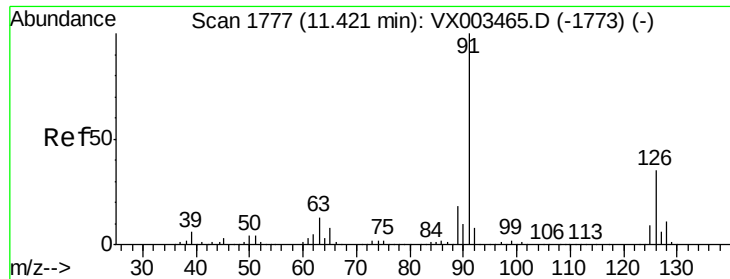
120 25.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.97 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 522122

Ion Ratio Lower Upper

91 100

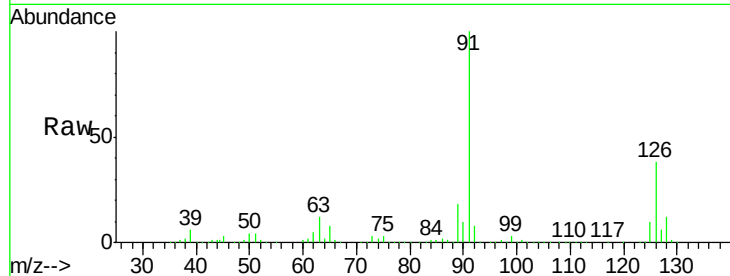
126 37.1 17.7 53.1

Manual Integrations

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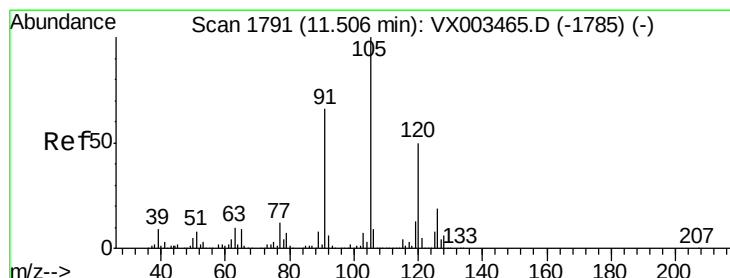
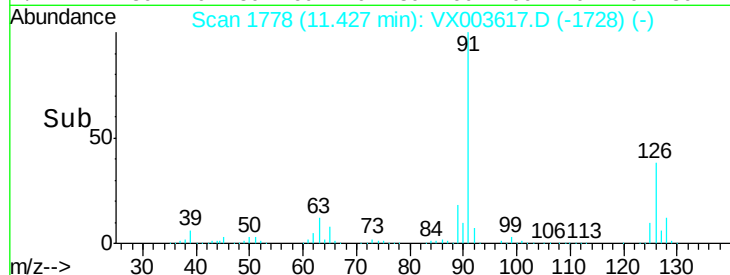
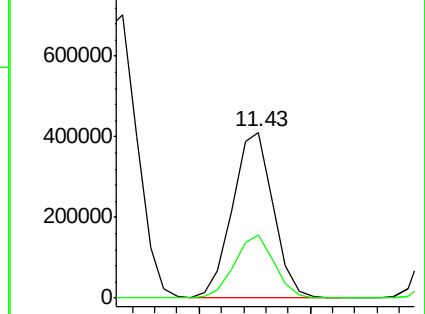
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003465.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.71 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003617.D

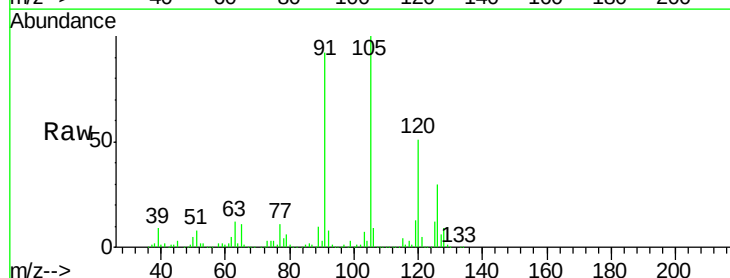
Acq: 23 Jul 2018 21:23

Tgt Ion: 105 Resp: 657583

Ion Ratio Lower Upper

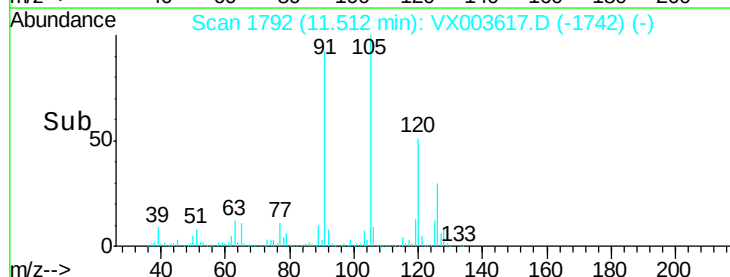
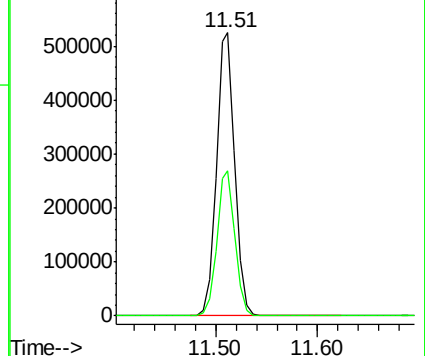
105 100

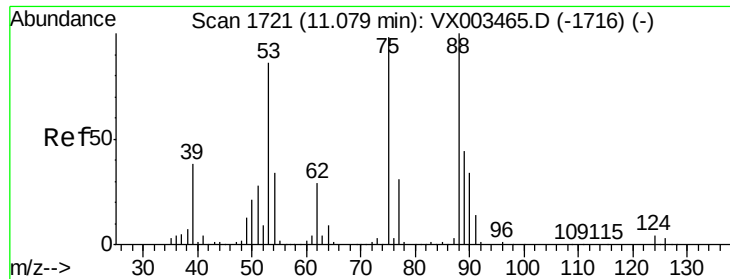
120 50.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003465.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003465.D (-1785) (-)





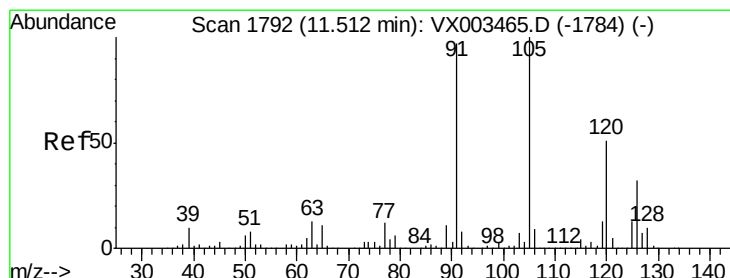
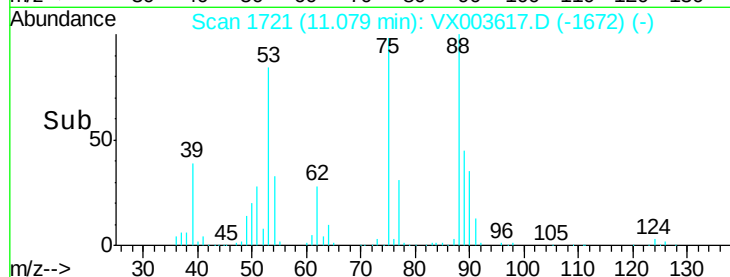
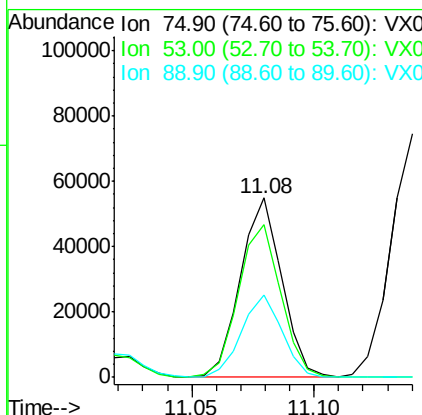
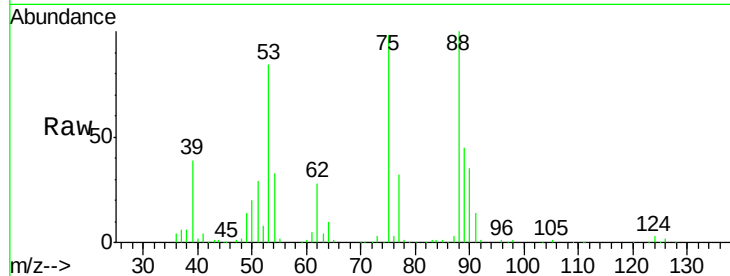
#81
trans-1,4-Dichloro-2-butene
Concen: 46.58 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.7	86.8	130.2
89	45.6	38.2	57.2

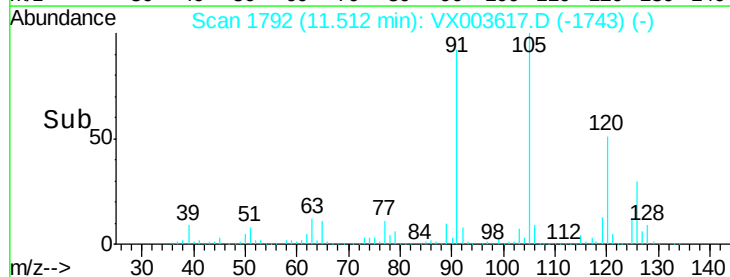
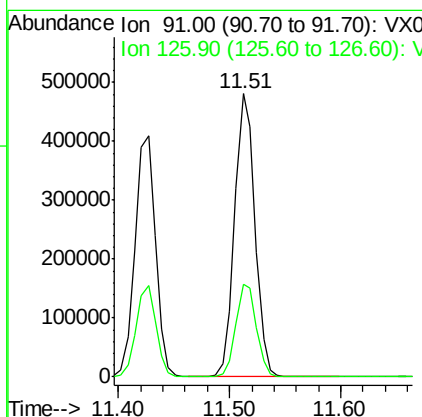
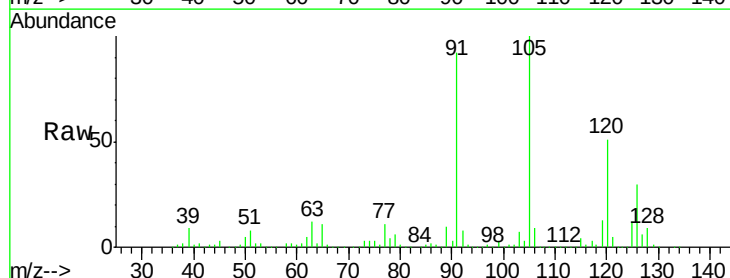
Manual Integrations
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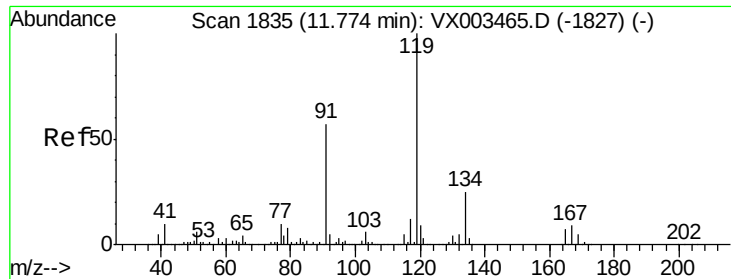
MMDadoda
7/24/2018 3:54:41 PM



#82
4-Chlorotoluene
Concen: 50.52 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	15.4	46.4





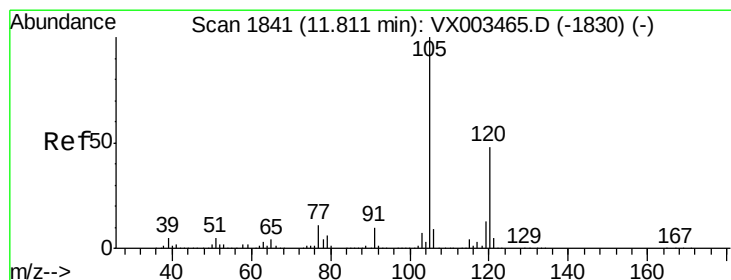
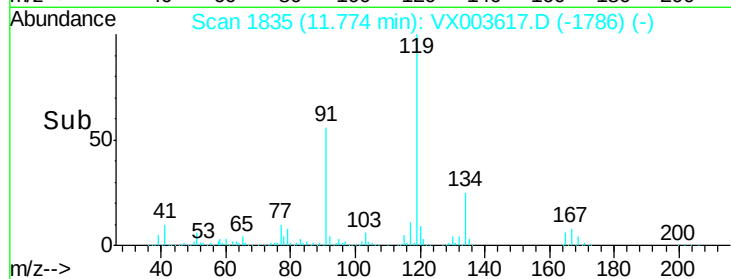
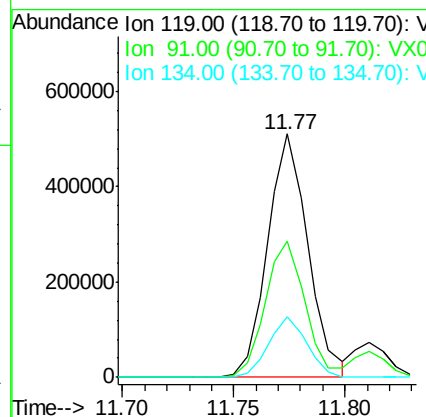
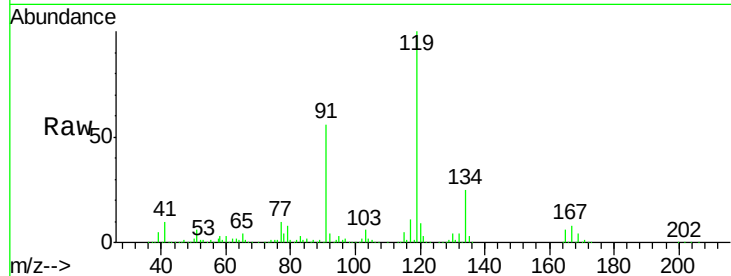
#83
 tert-Butylbenzene
 Concen: 52.61 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	30.3	90.9
134	23.8	11.7	35.1

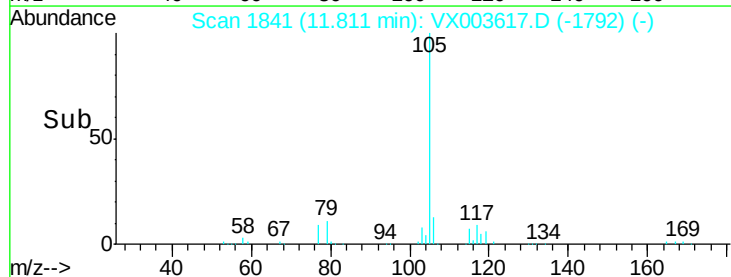
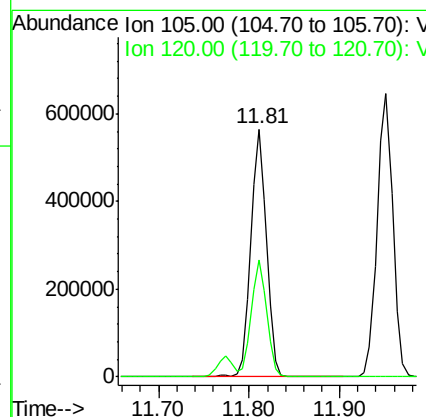
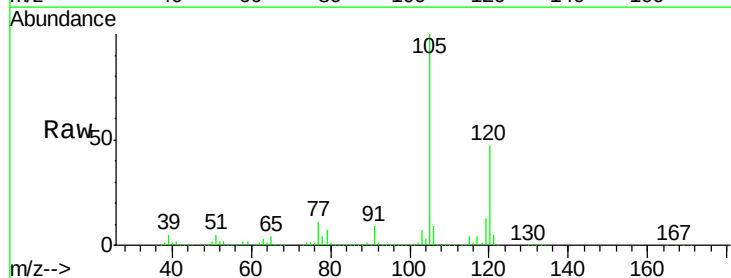
Manual Integrations
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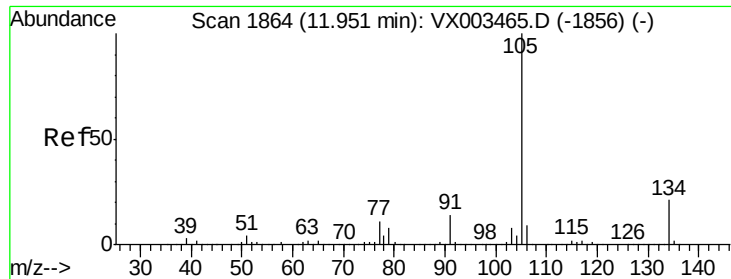
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.22 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.3	66.8





#85

sec-Butylbenzene

Concen: 52.34 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 776623

Ion Ratio Lower Upper

105 100

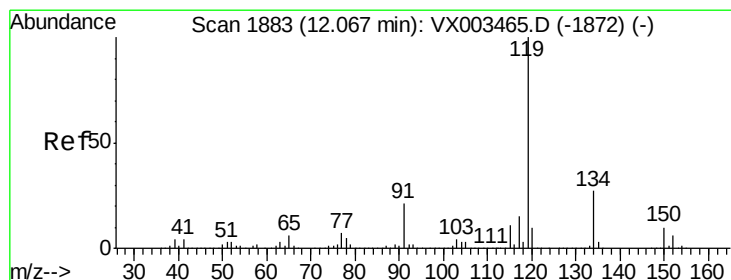
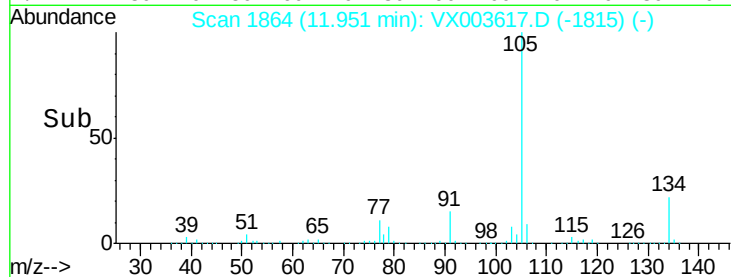
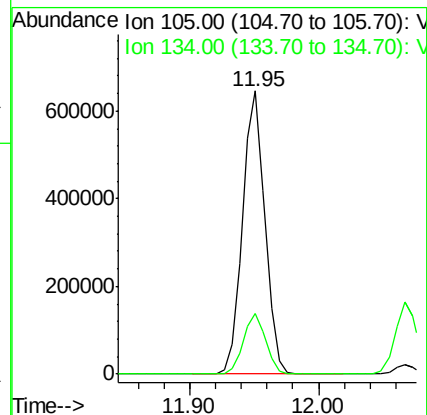
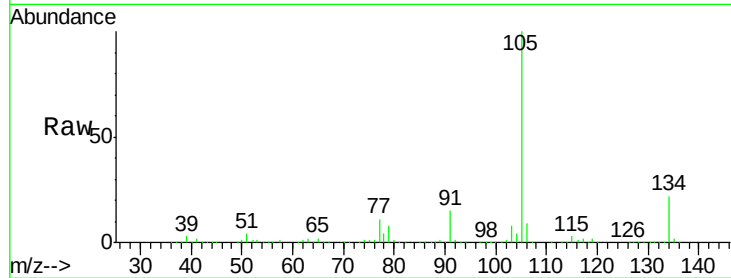
134 21.5 10.4 31.1

Manual Integrations

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7/24/2018 3:54:41 PM



#86

p-Isopropyltoluene

Concen: 53.19 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003617.D

Acq: 23 Jul 2018 21:23

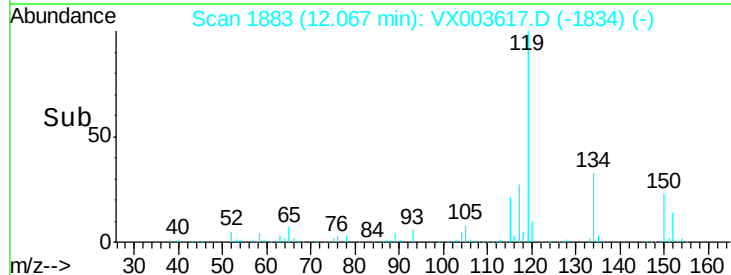
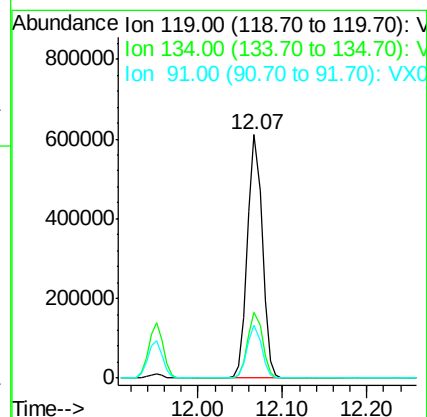
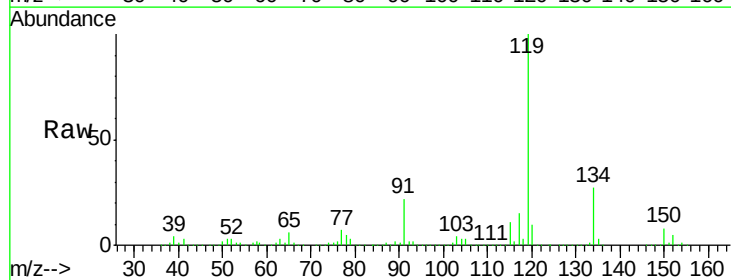
Tgt Ion:119 Resp: 708344

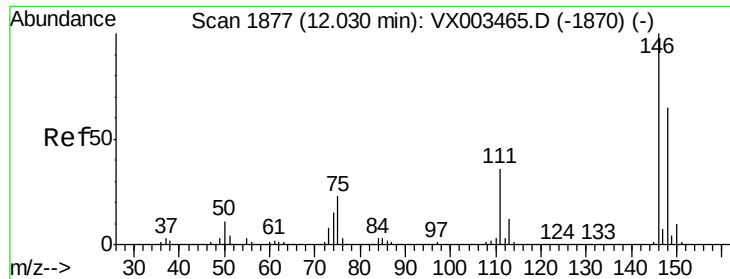
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.2 11.9 35.7





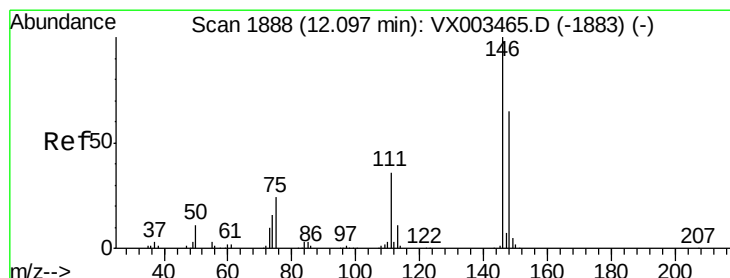
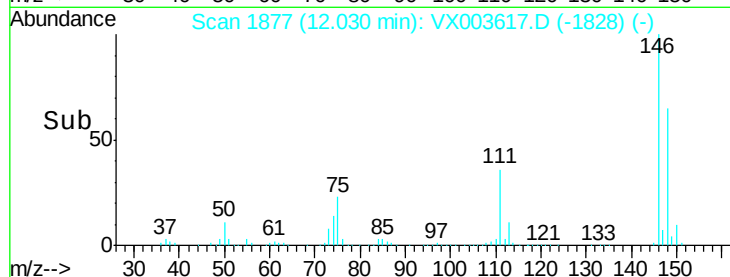
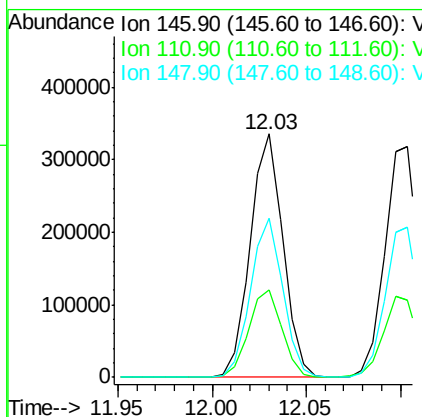
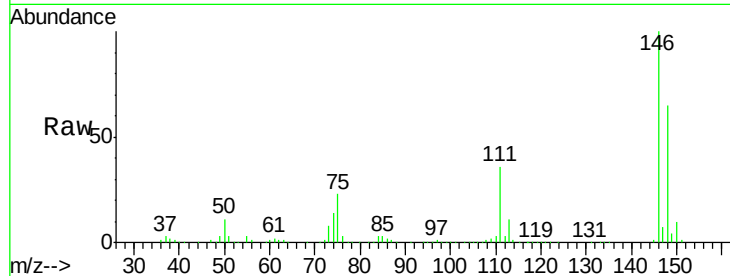
#87
 1,3-Dichlorobenzene
 Concen: 50.43 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.9	56.7
148	64.5	32.1	96.3

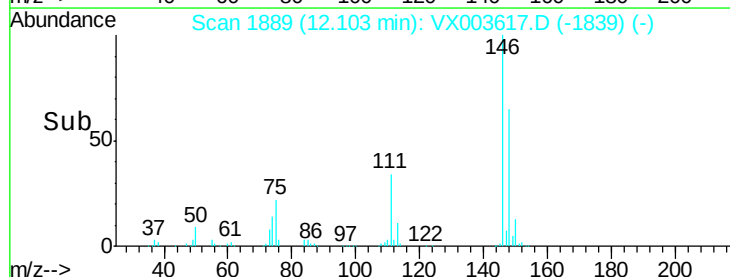
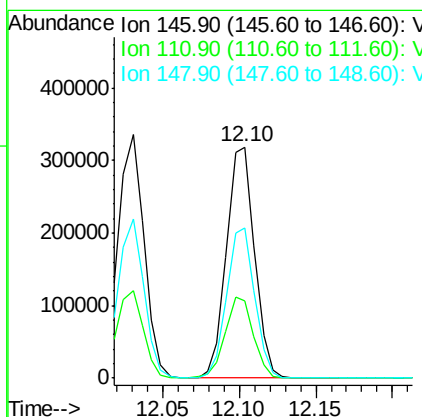
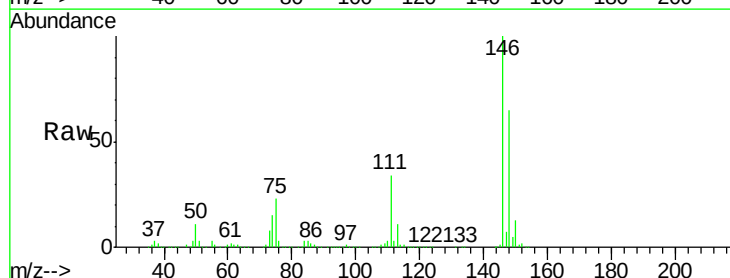
Manual Integrations
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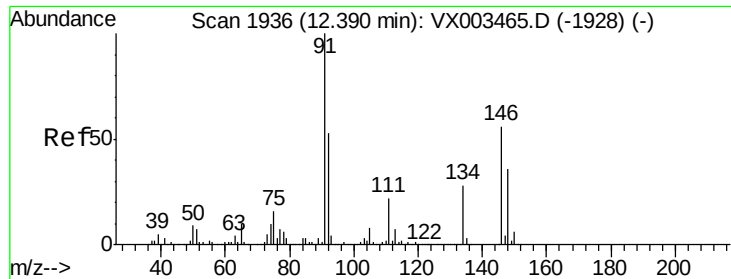
MMDadoda
 7/24/2018 3:54:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.08 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	18.7	56.1
148	64.9	32.4	97.0





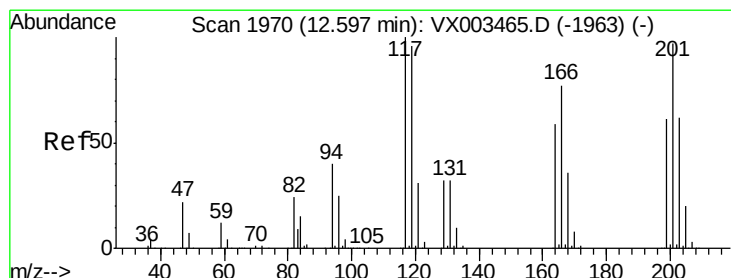
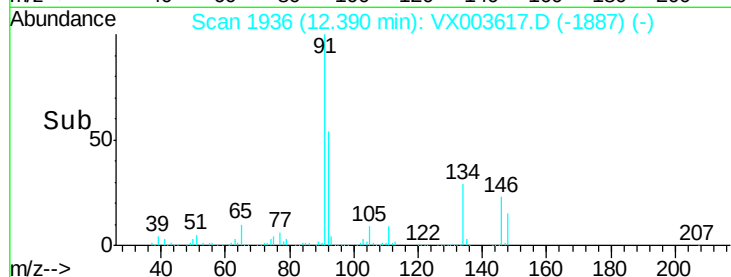
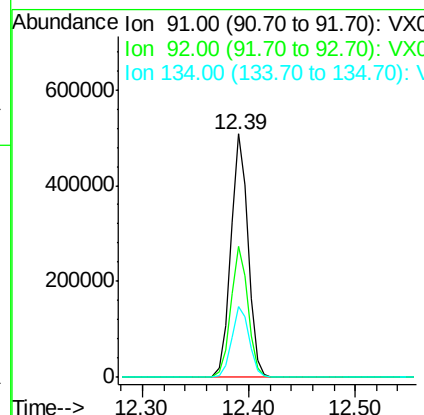
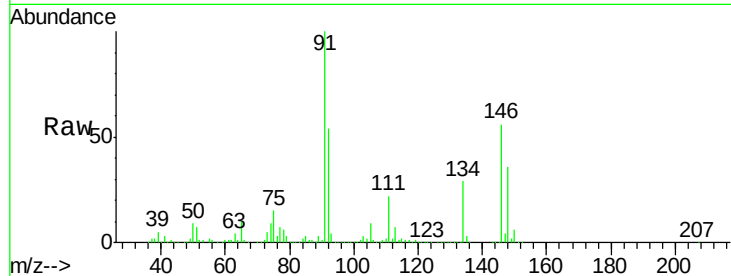
#89
n-Butylbenzene
Concen: 50.95 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.0	78.0
134	29.4	13.5	40.5

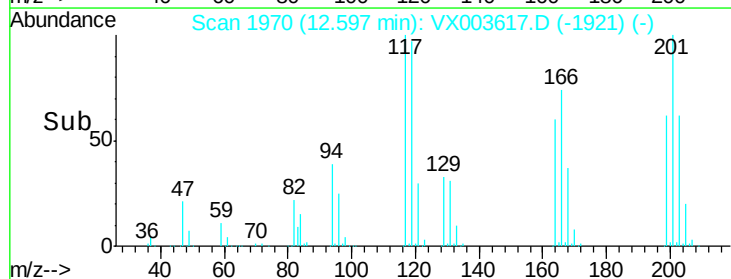
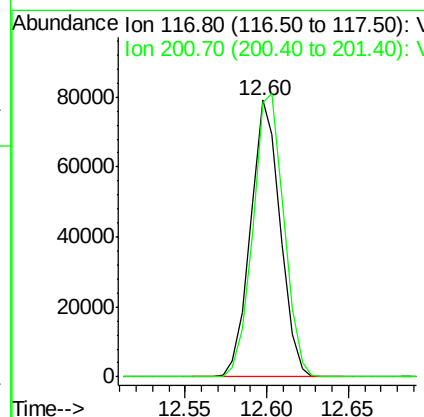
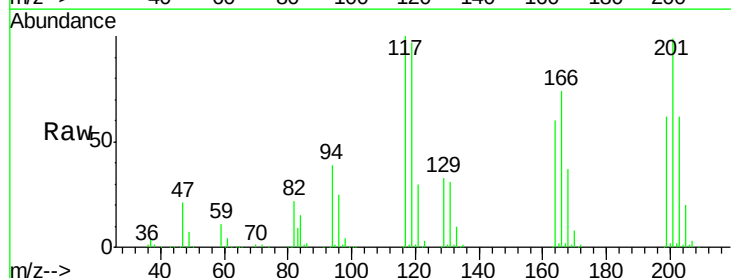
Manual Integrations
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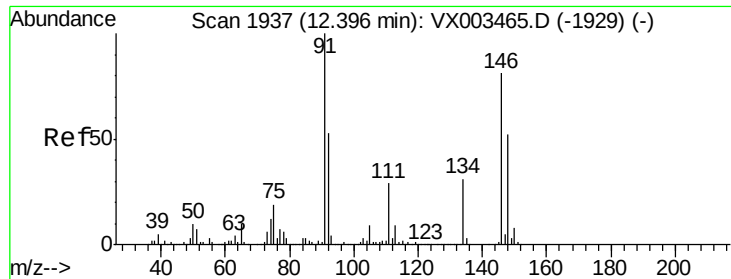
MMDadoda
7/24/2018 3:54:41 PM



#90
Hexachloroethane
Concen: 53.14 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	106.3	49.0	147.0





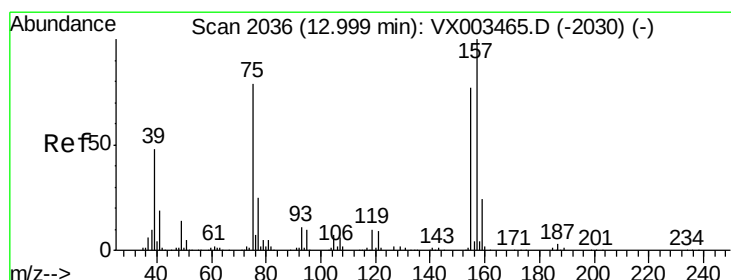
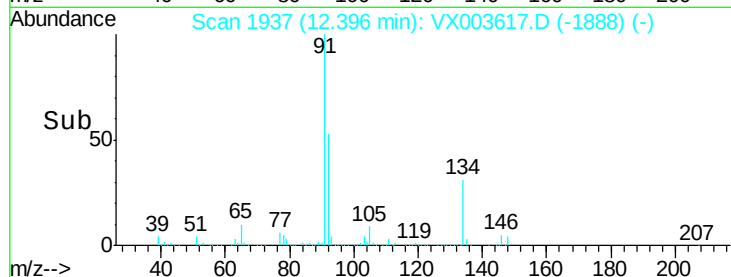
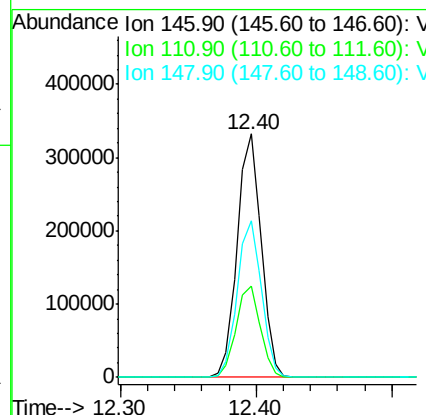
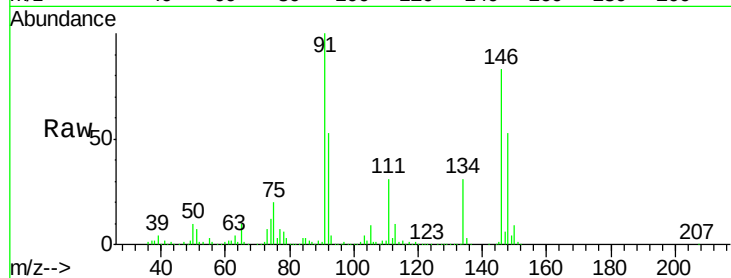
#91
 1,2-Dichlorobenzene
 Concen: 51.58 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	407986		
111	37.8	19.4	58.1	
148	64.9	31.7	95.1	

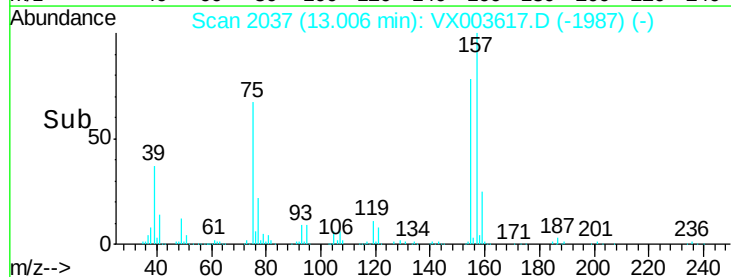
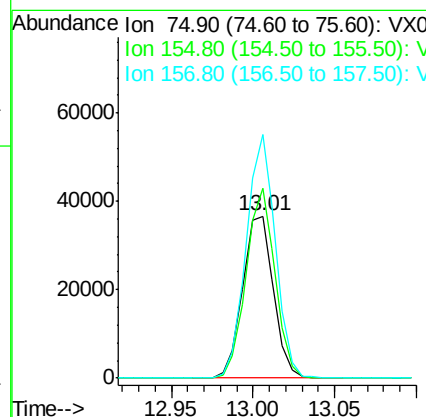
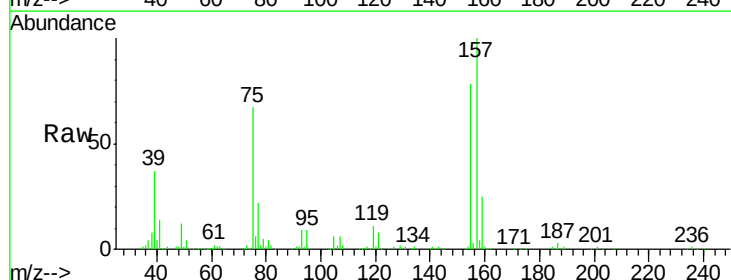
Manual Integrations
 APPROVED

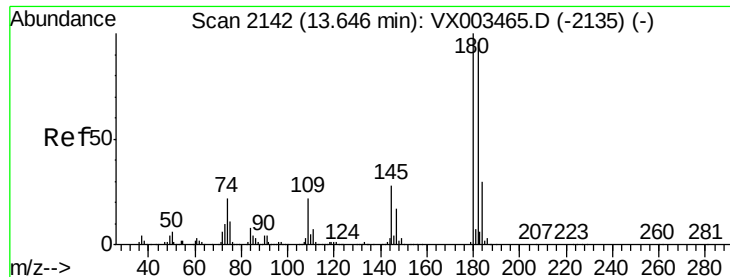
MMDadoda
 7/24/2018 3:54:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.74 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48250		
155	109.8	45.8	137.4	
157	142.5	60.1	180.3	





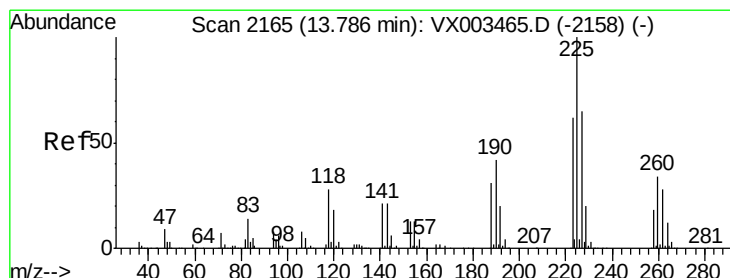
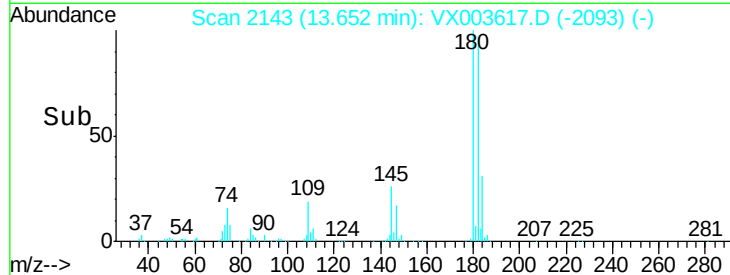
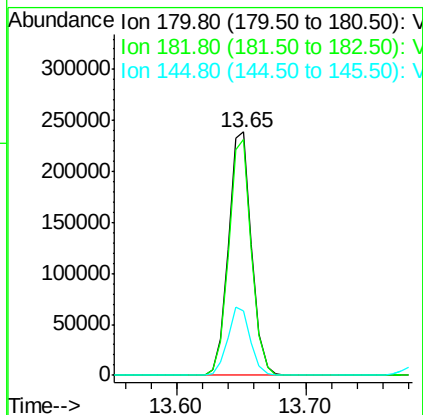
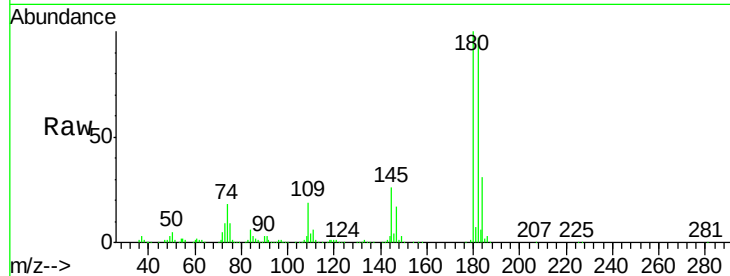
#93
 1,2,4-Trichlorobenzene
 Concen: 51.56 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	298877		
182	95.5	47.7	143.1	
145	27.5	14.1	42.4	

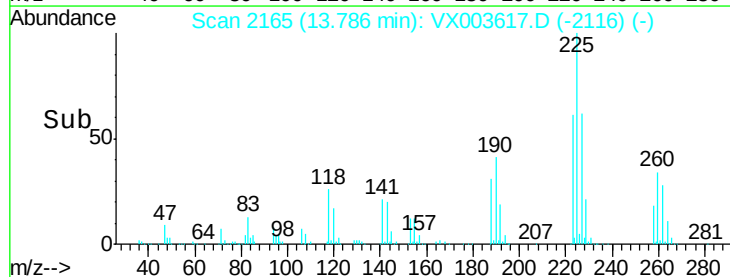
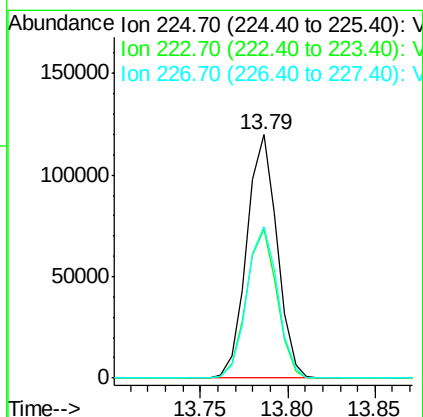
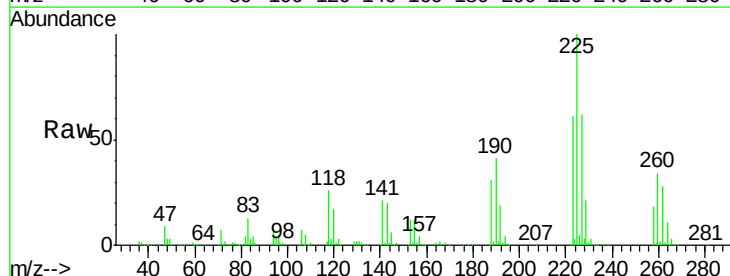
Manual Integrations
 APPROVED

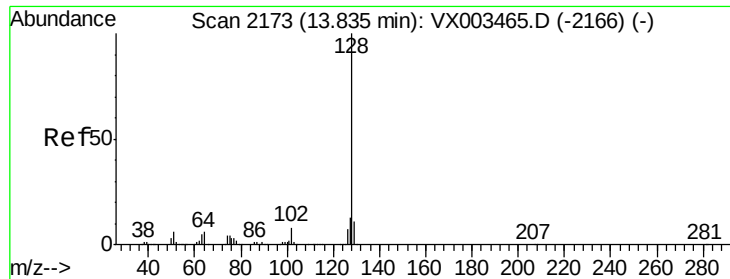
MMDadoda
 7/24/2018 3:54:41 PM



#94
 Hexachlorobutadiene
 Concen: 51.70 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003617.D
 Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	144124		
223	61.7	31.6	95.0	
227	63.2	32.4	97.2	





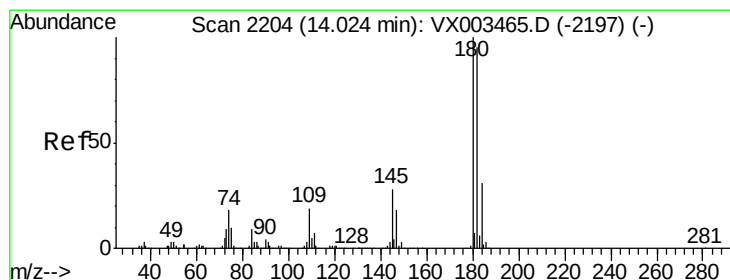
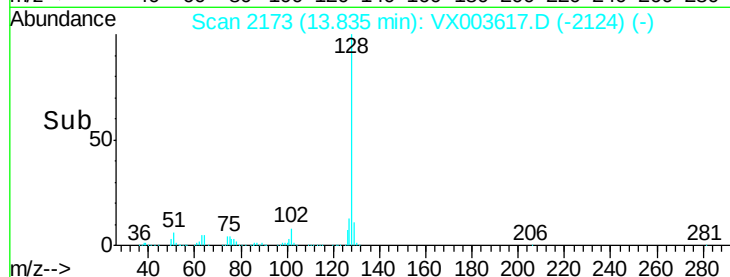
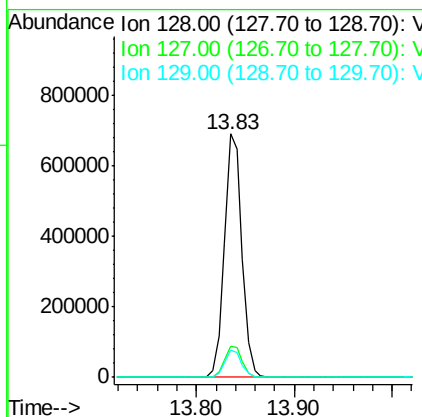
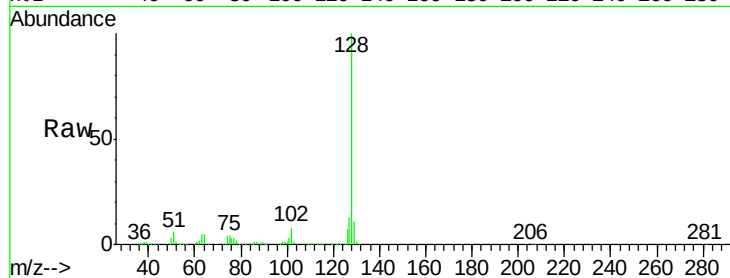
#95
Naphthalene
Concen: 55.80 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/24/2018 3:54:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.58 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003617.D
Acq: 23 Jul 2018 21:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.0
145	28.6	14.8	44.3

