

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005513.D
 Acq On : 23 Oct 2018 11:13
 Operator : JC/MD
 Sample : J5538-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 23 12:12:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	218945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	337219	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	280425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137766	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	140331	57.75	ug/l	0.00
Spiked Amount			Recovery	=	115.50%	
35) Dibromofluoromethane	5.51	113	37148	16.63	ug/l	0.00
Spiked Amount			Recovery	=	33.26%	
50) Toluene-d8	8.72	98	376356	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	11.14	95	136141	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	361	0.211	ug/l	98
3) Chloromethane	1.32	50	756	0.305	ug/l	94
5) Bromomethane	1.65	94	952	1.247	ug/l	84
6) Chloroethane	1.72	64	212	0.464	ug/l #	1
10) Methyl Iodide	2.51	142	1088	2.976	ug/l #	92
11) Tert butyl alcohol	3.07	59	2216	3.233	ug/l #	84
12) 1,1-Dichloroethene	2.39	96	416	0.217	ug/l #	65
13) Acrolein	2.30	56	412	Below Cal		83
14) Allyl chloride	2.72	41	985	0.234	ug/l #	41
15) Acrylonitrile	3.15	53	901	0.580	ug/l #	60
16) Acetone	2.45	43	42550	30.285	ug/l	97
17) Carbon Disulfide	2.57	76	4301	0.740	ug/l #	94
18) Methyl Acetate	2.78	43	1453	0.364	ug/l	92
20) Methylene Chloride	2.85	84	17895	7.632	ug/l #	92
21) trans-1,2-Dichloroethene	3.17	96	720	0.339	ug/l #	75
25) 2-Butanone	4.70	43	2375	1.155	ug/l	95
29) Tetrahydrofuran	5.16	42	1051	0.802	ug/l #	56
36) 1,1-Dichloropropene	5.65	75	15766	4.827	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19910	6.067	ug/l #	16
44) Trichloroethene	7.21	130	434	Below Cal		70
59) 2-Hexanone	9.50	43	734	0.236	ug/l	87
64) Tetrachloroethene	9.33	164	529	0.234	ug/l	93
68) m/p-Xylenes	10.36	106	807	0.214	ug/l #	66
76) 1,2,3-Trichloropropane	11.14	75	69290	25.929	ug/l #	37
78) n-propylbenzene	11.36	91	2278	0.242	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	1440	0.205	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.05	75	7698	8.753	ug/l #	30
82) 4-Chlorotoluene	11.51	91	1698	0.248	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	2755	0.382	ug/l	84
86) p-Isopropyltoluene	12.07	119	1567	0.206	ug/l #	68
87) 1,3-Dichlorobenzene	12.03	146	1163	0.266	ug/l	96
88) 1,4-Dichlorobenzene	12.03	146	1163	0.260	ug/l	96
89) n-Butylbenzene	12.39	91	2315	0.336	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	1442	0.440	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration

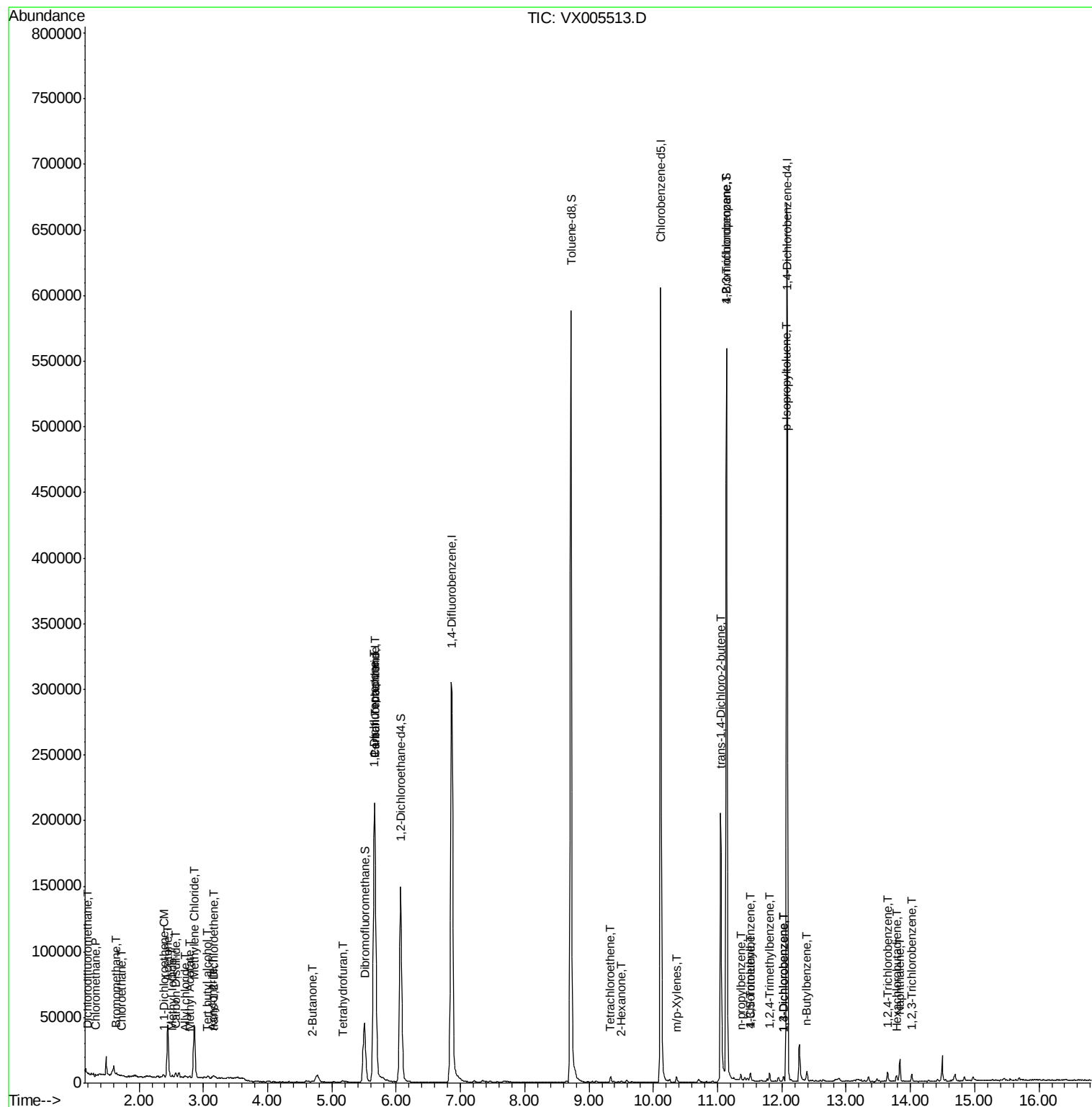
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	658	0.380	ug/l	92
95) Naphthalene	13.83	128	10067	1.060	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	1298	0.387	ug/l	99

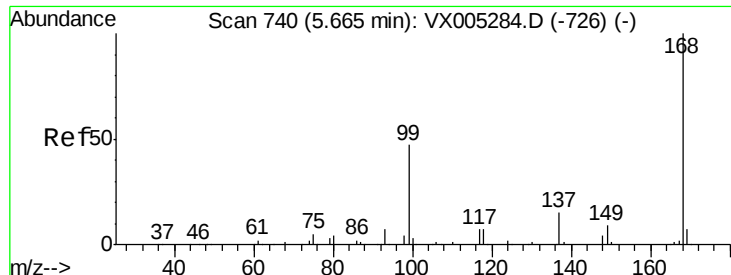
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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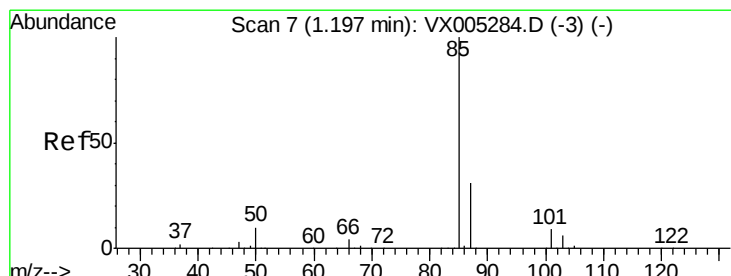
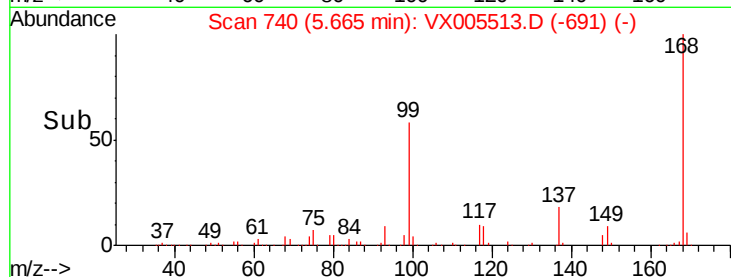
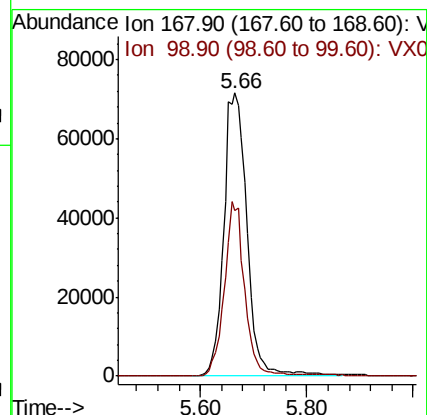
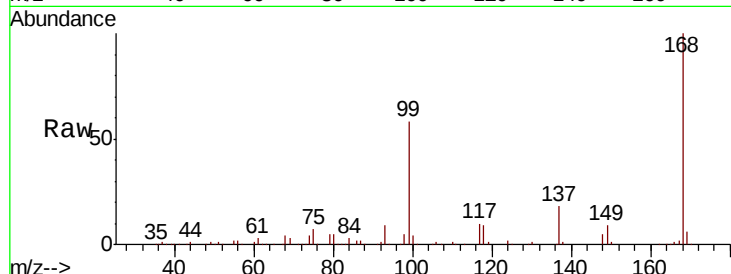




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

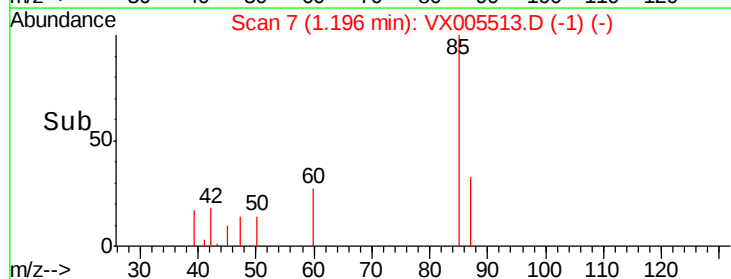
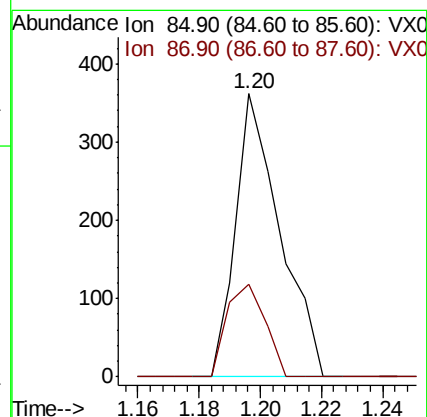
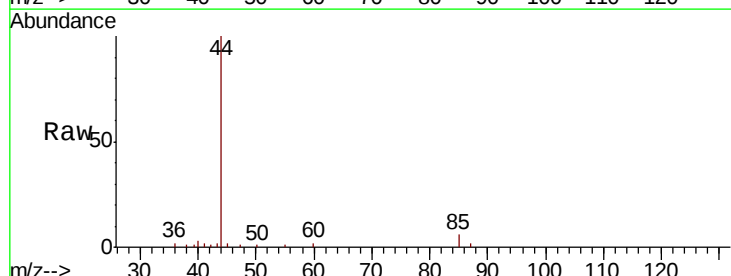
Instrument :
MSVOA_X
ClientSampled :

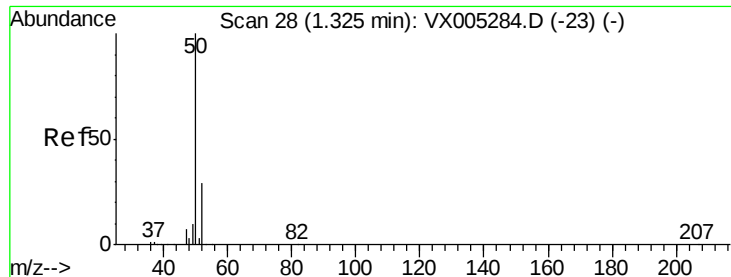
Tot Ion:168 Resp: 218945
Ion Ratio Lower Upper
168 100
99 58.4 39.9 59.9



#2
Dichlorodifluoromethane
Concen: 0.211 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

Tgt Ion: 85 Resp: 361
Ion Ratio Lower Upper
85 100
87 32.6 17.0 50.9





#3

Chloromethane

Concen: 0.305 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

Instrument :

MSVOA_X

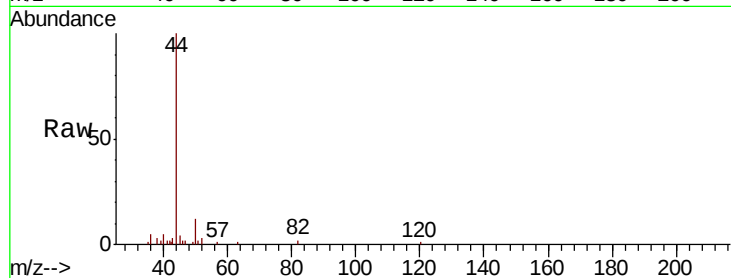
ClientSampleId :

Tot Ion: 50 Resp: 756

Ion Ratio Lower Upper

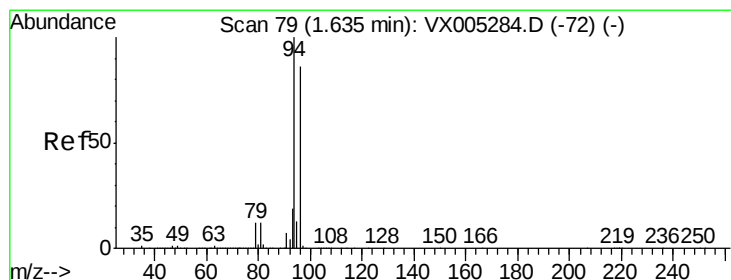
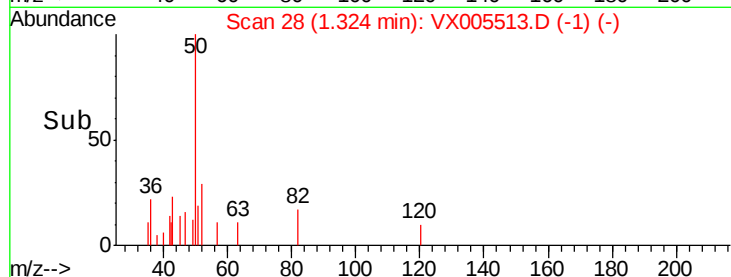
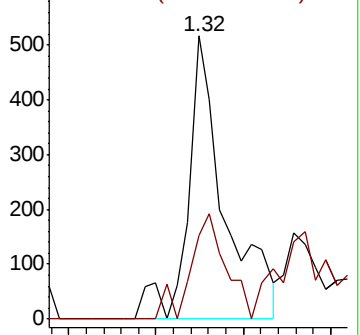
50 100

52 29.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 1.247 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005513.D

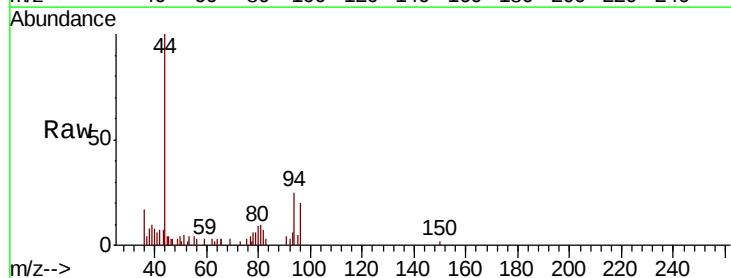
Acq: 23 Oct 2018 11:13

Tgt Ion: 94 Resp: 952

Ion Ratio Lower Upper

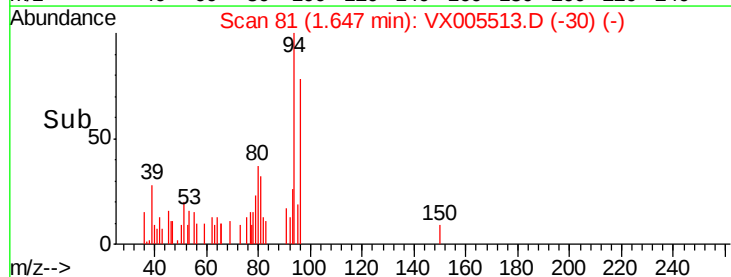
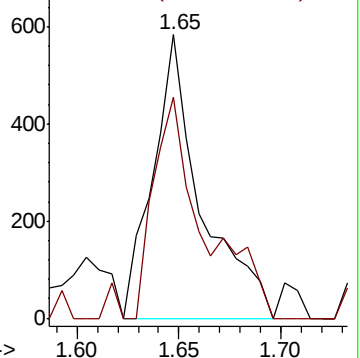
94 100

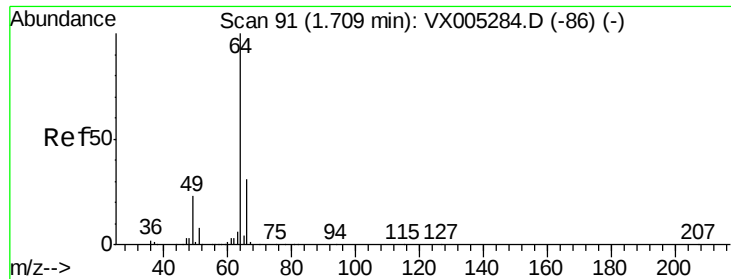
96 78.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.464 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

Instrument :

MSVOA_X

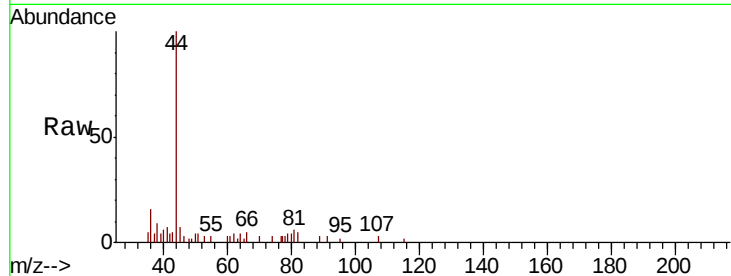
ClientSampled :

Tot Ion: 64 Resp: 212

Ion Ratio Lower Upper

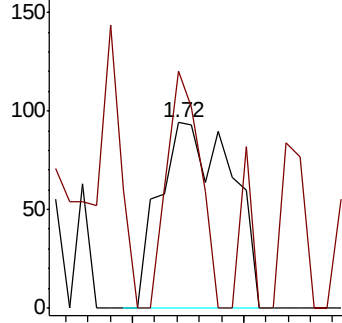
64 100

66 127.7 24.6 36.8#

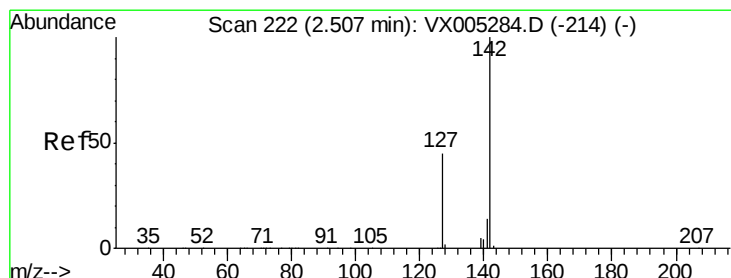
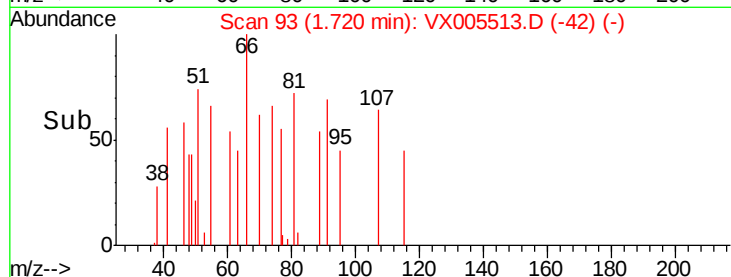


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#10

Methyl Iodide

Concen: 2.976 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

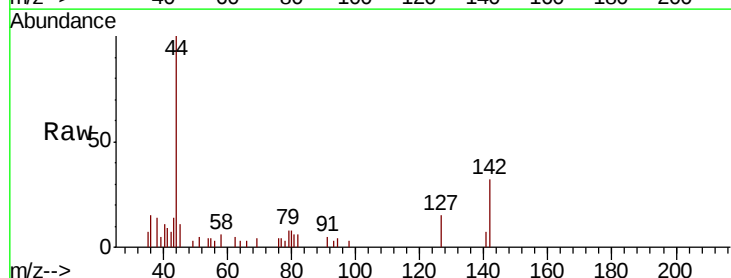
Tgt Ion:142 Resp: 1088

Ion Ratio Lower Upper

142 100

127 45.5 33.8 50.6

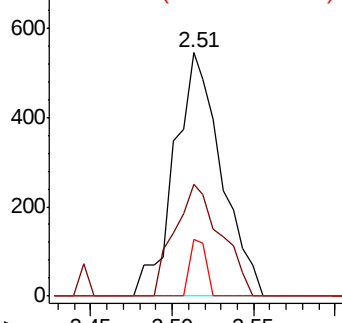
141 8.2 11.4 17.0#



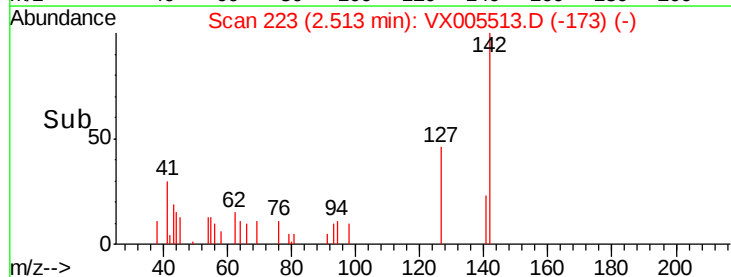
Abundance Ion 141.80 (141.50 to 142.50): V

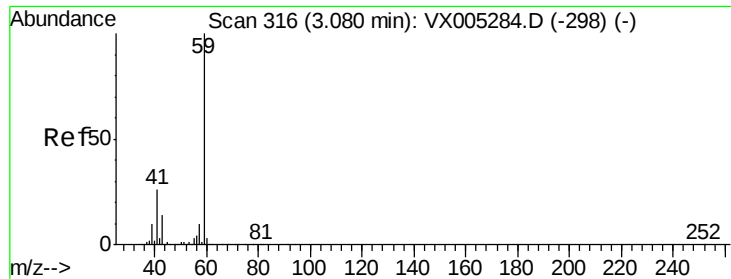
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

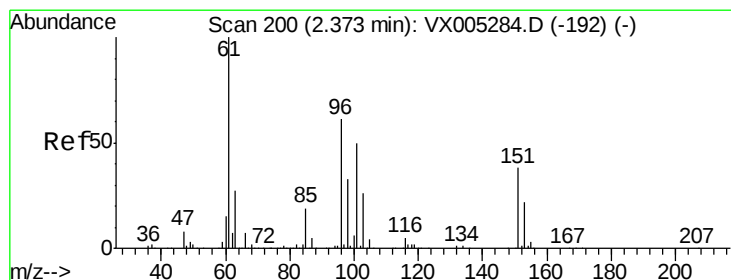
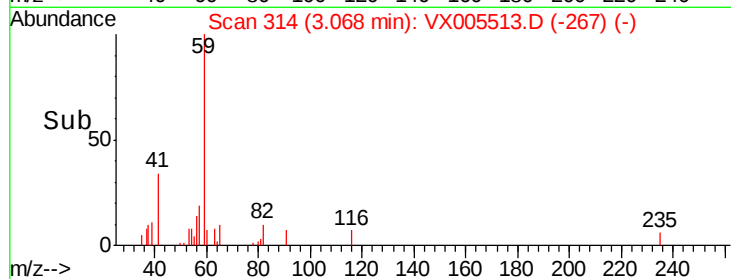
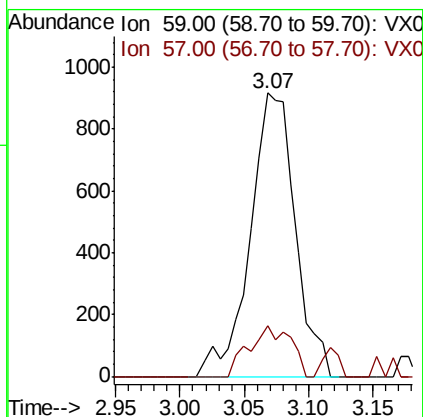
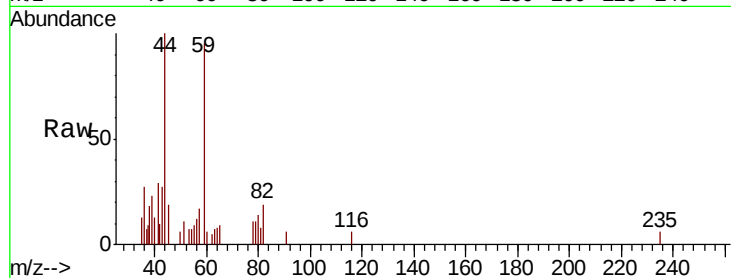




#11
Tert butyl alcohol
Concen: 3.233 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

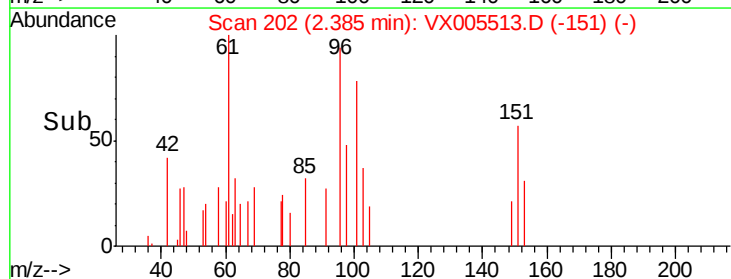
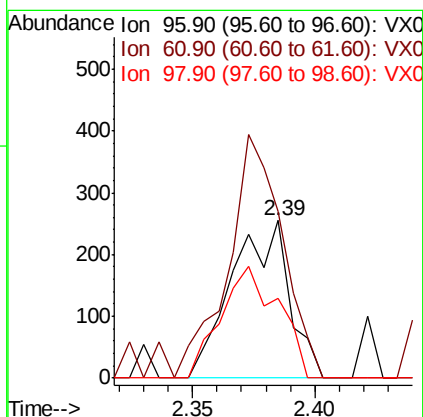
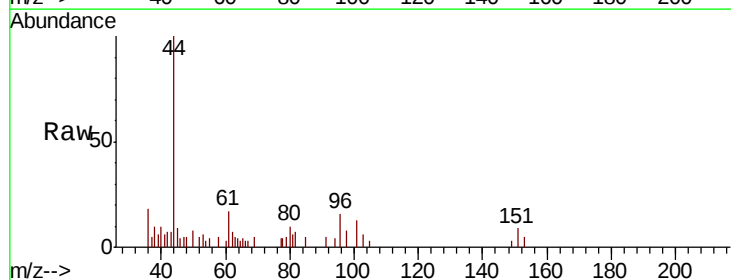
Instrument :
MSVOA_X
ClientSampleId :

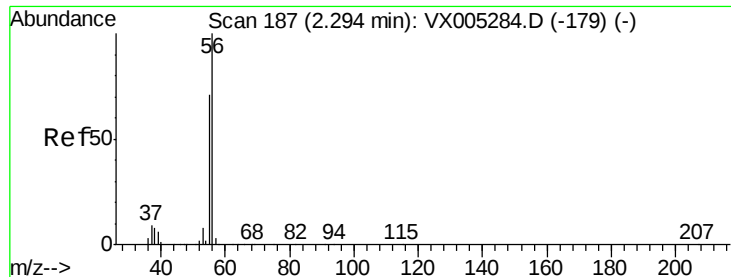
Tot Ion: 59 Resp: 2216
Ion Ratio Lower Upper
59 100
57 16.4 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.217 ug/l
RT: 2.39 min Scan# 202
Delta R.T. 0.01 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

Tgt Ion: 96 Resp: 416
Ion Ratio Lower Upper
96 100
61 106.3 128.8 193.2#
98 50.6 52.2 78.2#





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

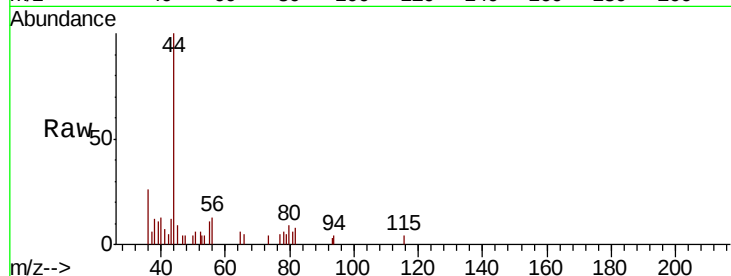
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 412

Ion Ratio Lower Upper

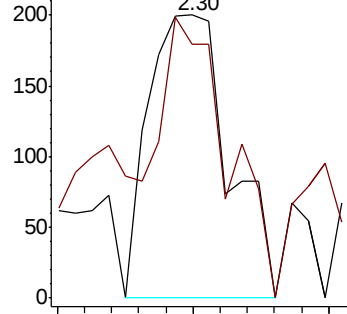
56 100

55 82.0 54.7 82.1

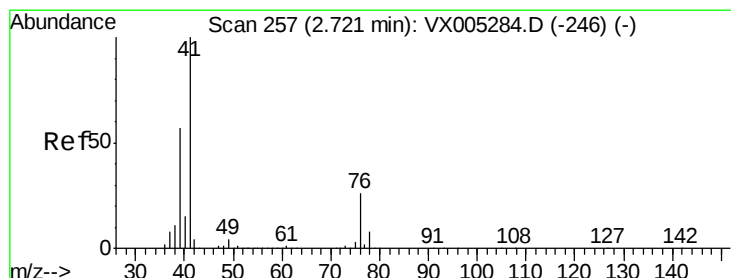
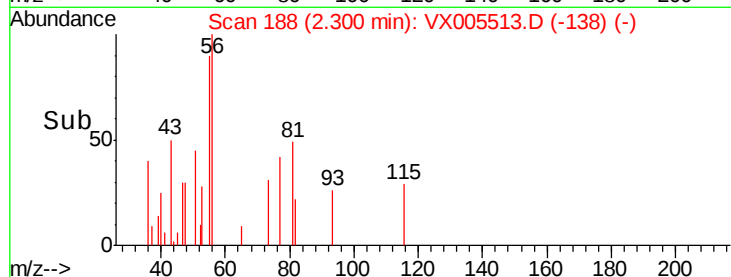


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time--> 2.25 2.30 2.35



#14

Allyl chloride

Concen: 0.234 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

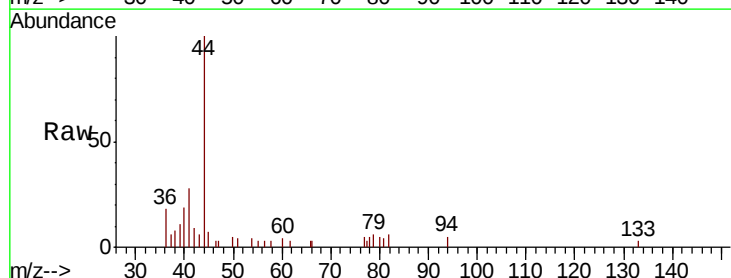
Tgt Ion: 41 Resp: 985

Ion Ratio Lower Upper

41 100

39 15.4 48.9 73.3#

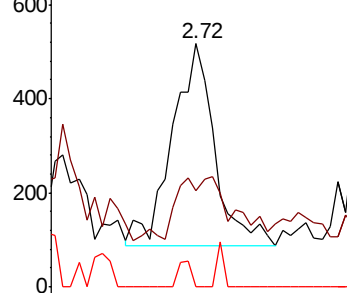
76 0.0 26.7 40.1#



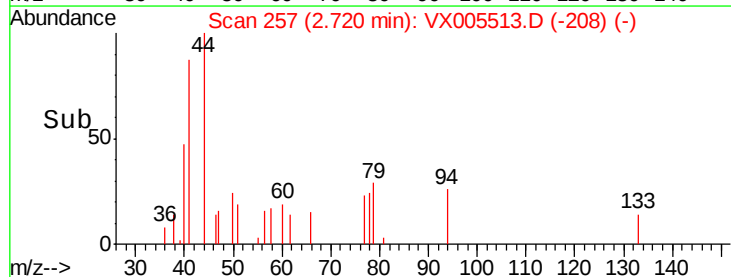
Abundance Ion 41.00 (40.70 to 41.70): VX0

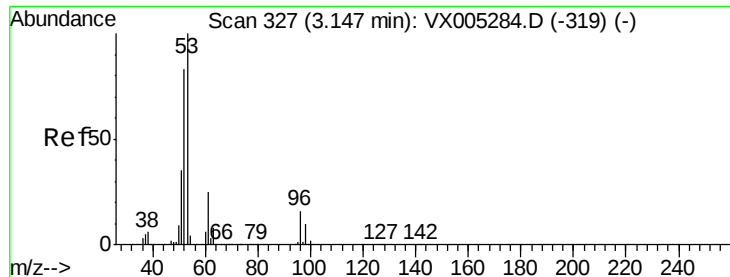
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time--> 2.65 2.70 2.75 2.80





#15

Acrylonitrile

Concen: 0.580 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

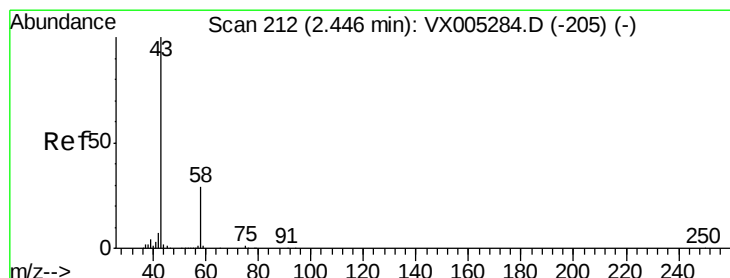
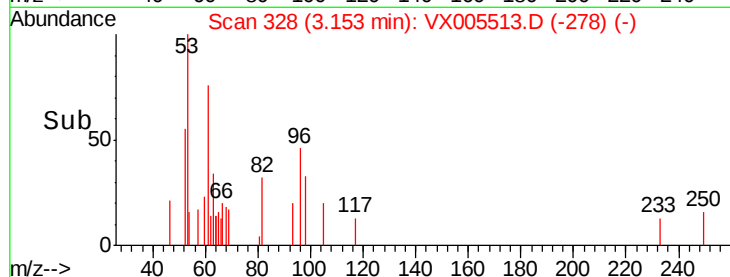
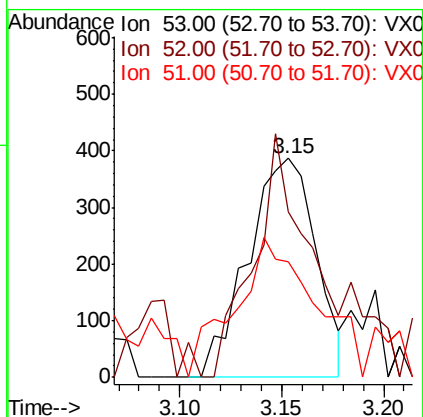
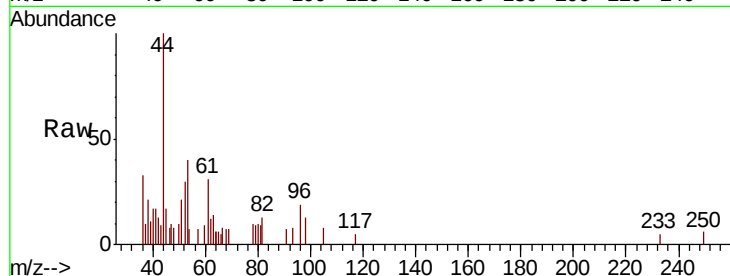
Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 53 Resp: 901

Ion	Ratio	Lower	Upper
53	100		
52	106.8	65.2	97.8#
51	74.8	28.2	42.2#



#16

Acetone

Concen: 30.285 ug/l

RT: 2.45 min Scan# 212

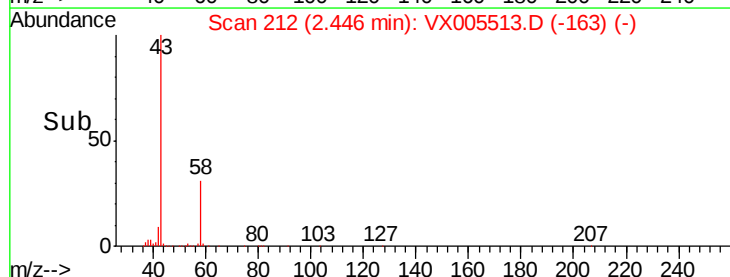
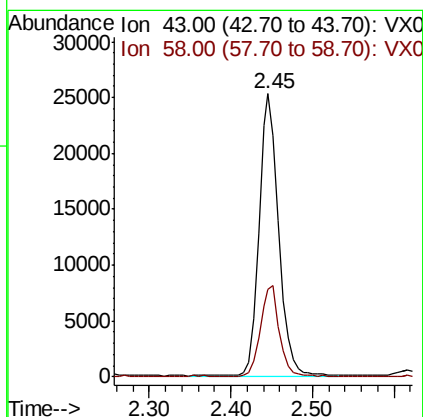
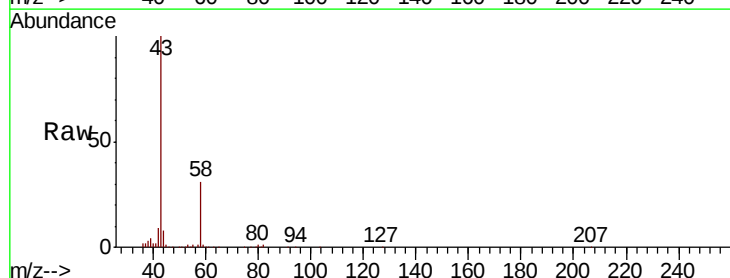
Delta R.T. -0.00 min

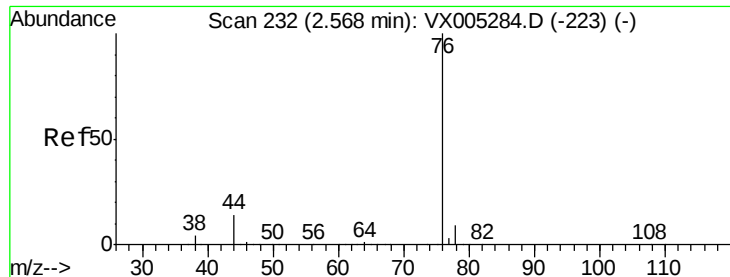
Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

Tgt Ion: 43 Resp: 42550

Ion	Ratio	Lower	Upper
43	100		
58	30.9	26.2	39.4

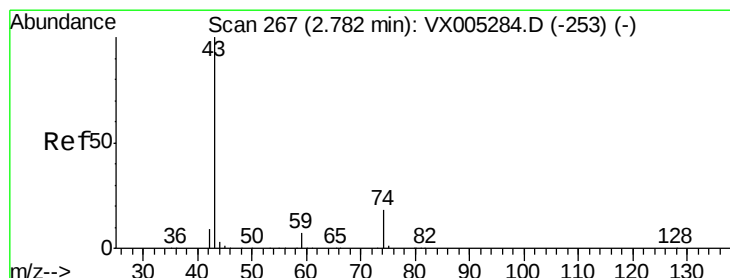
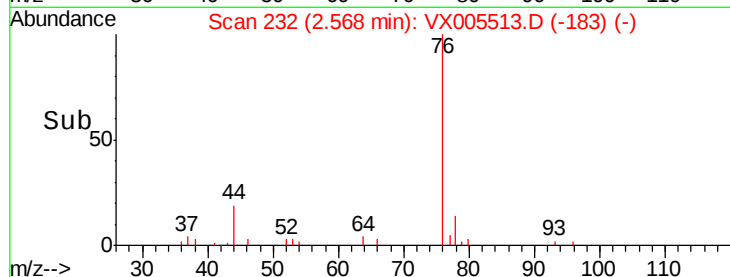
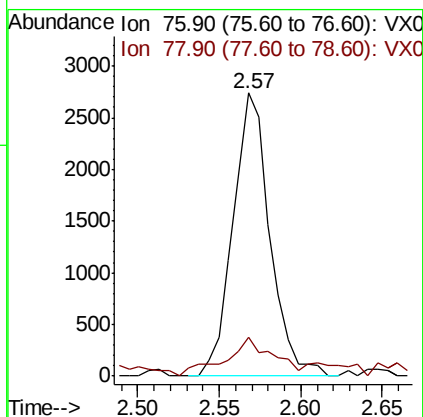
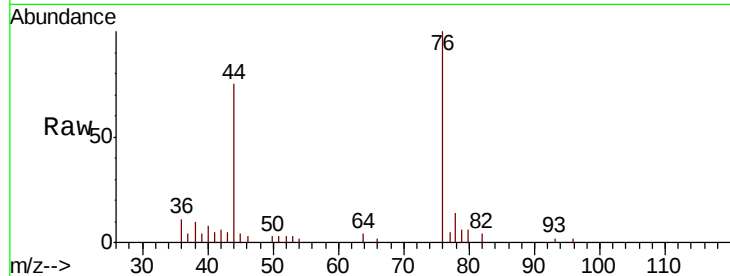




#17
Carbon Disulfide
Concen: 0.740 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

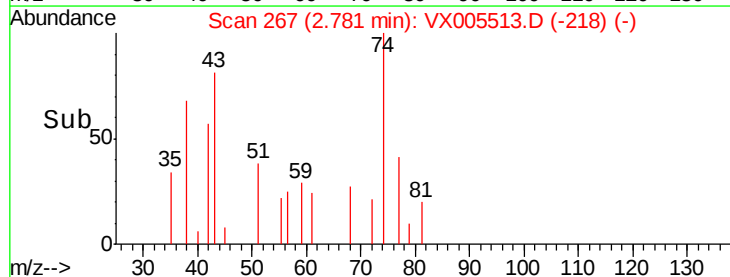
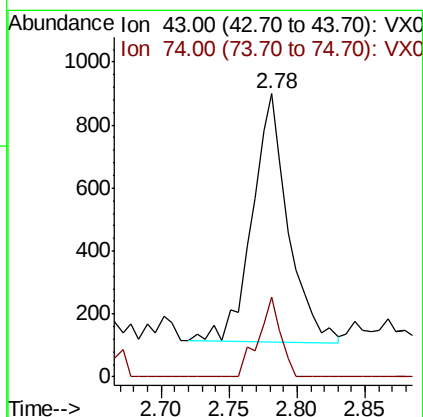
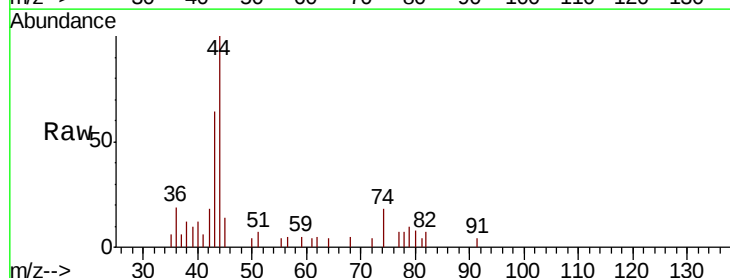
Instrument :
MSVOA_X
ClientSampleId :

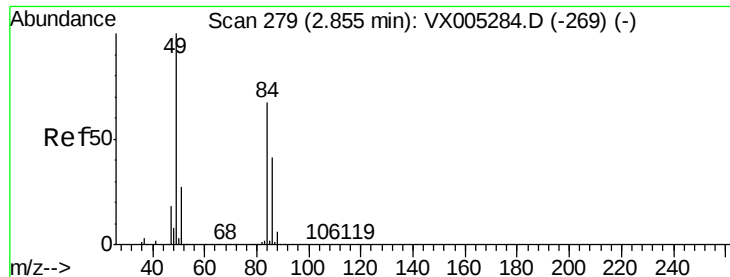
Tot Ion: 76 Resp: 4301
Ion Ratio Lower Upper
76 100
78 10.8 7.0 10.6#



#18
Methyl Acetate
Concen: 0.364 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

Tgt Ion: 43 Resp: 1453
Ion Ratio Lower Upper
43 100
74 20.3 19.4 29.2

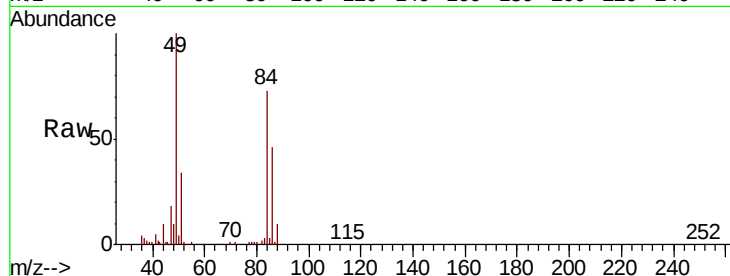




#20
Methvlene Chloride
Concen: 7.632 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	84	Resp	17895
Ion	Ratio	Lower	Upper
84	100		
49	135.8	101.2	151.8
51	45.5	29.5	44.3
86	63.4	52.3	78.5



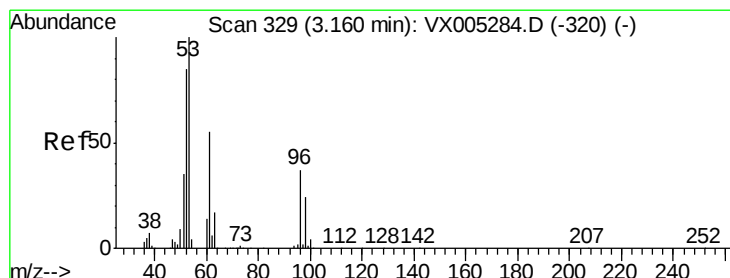
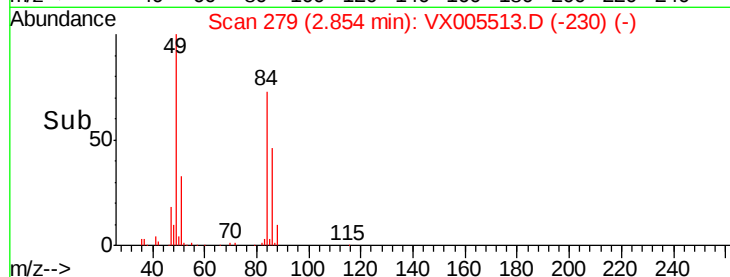
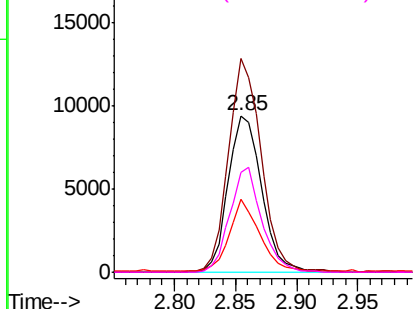
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

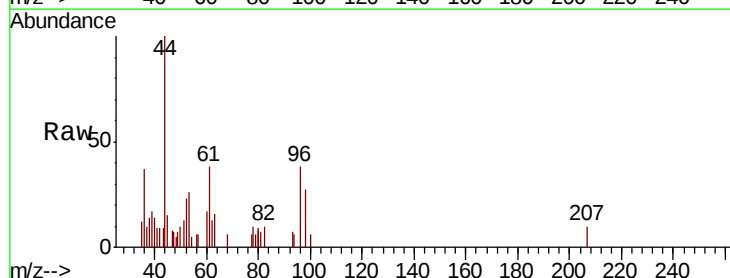
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#21
trans-1,2-Dichloroethene
Concen: 0.339 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

Tgt Ion	96	Resp	720
Ion	Ratio	Lower	Upper
96	100		
61	101.9	113.8	170.6
98	70.7	51.8	77.8

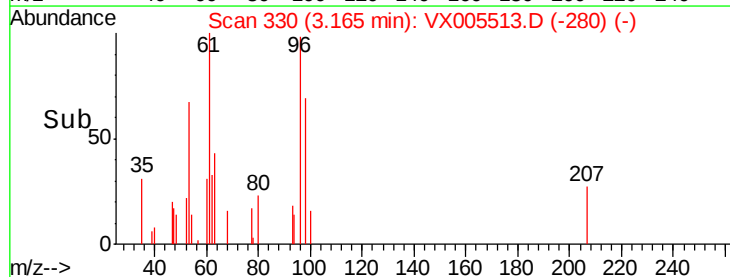
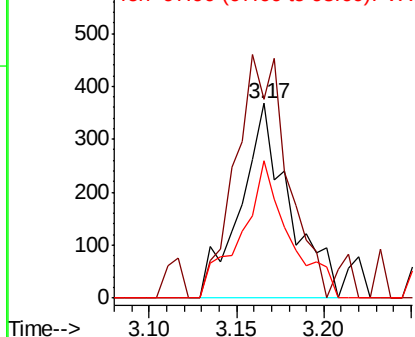


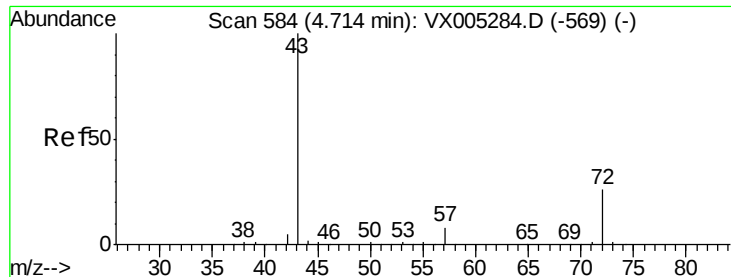
Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 1.155 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

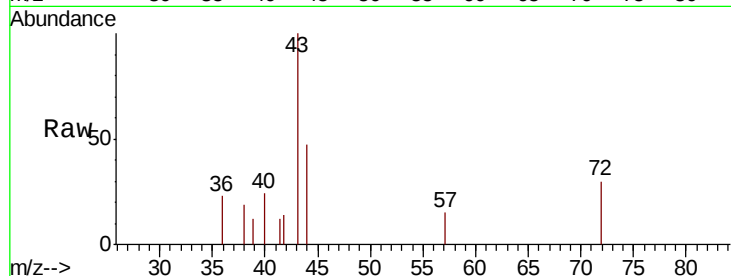
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 2375

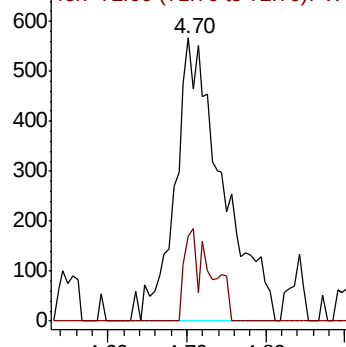
Ion Ratio Lower Upper

43 100

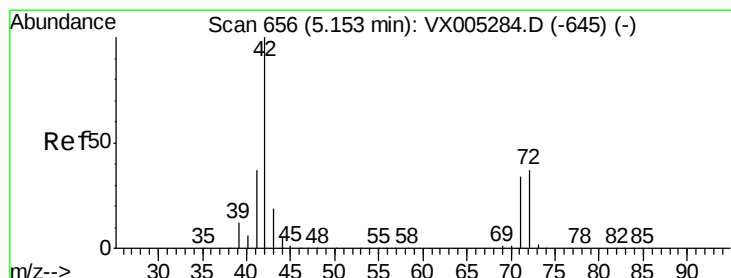
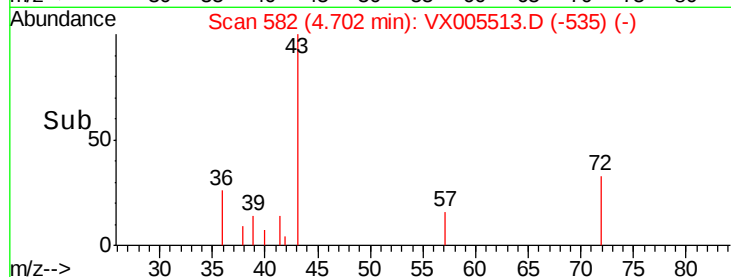
72 30.0 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.802 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

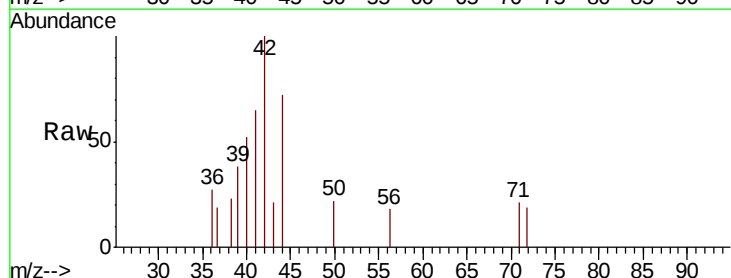
Tgt Ion: 42 Resp: 1051

Ion Ratio Lower Upper

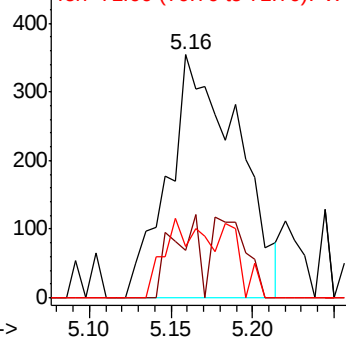
42 100

72 12.8 37.4 56.0#

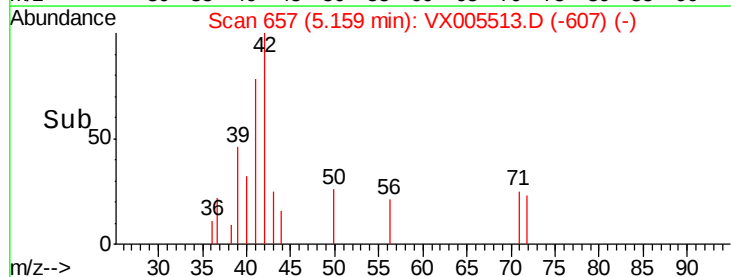
71 19.7 34.5 51.7#

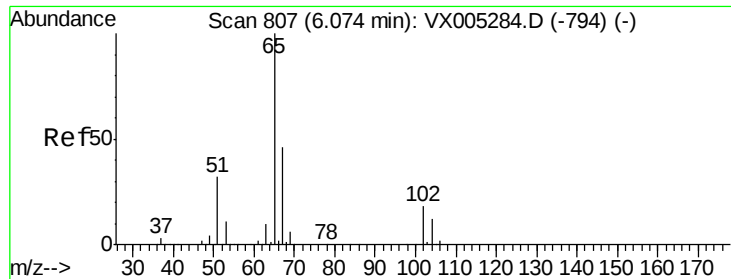


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 57.750 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

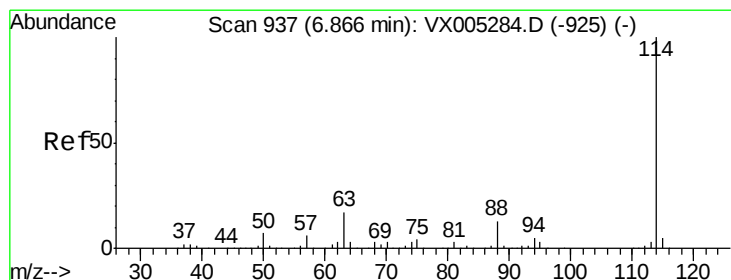
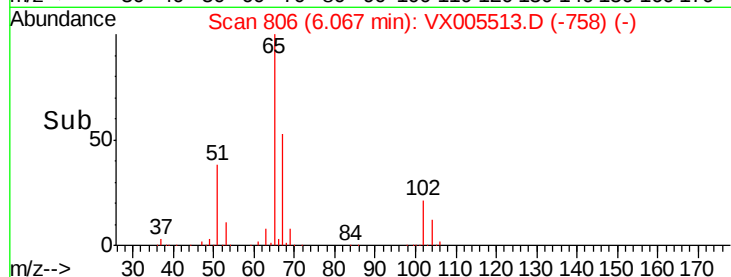
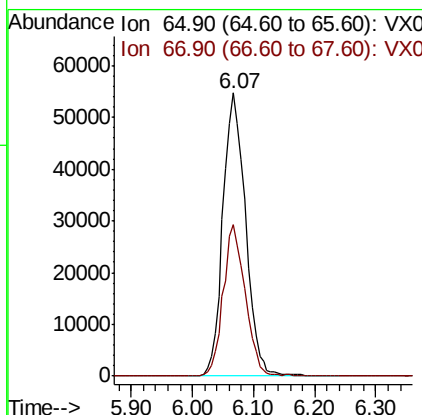
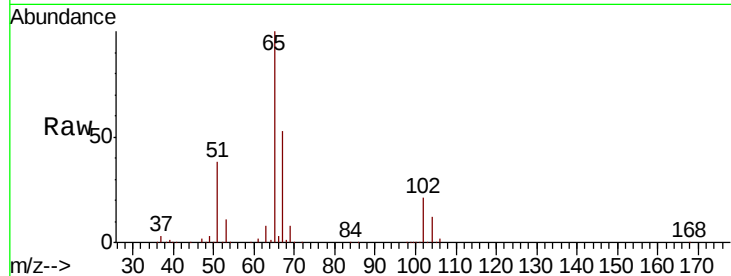
Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 140331

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 938

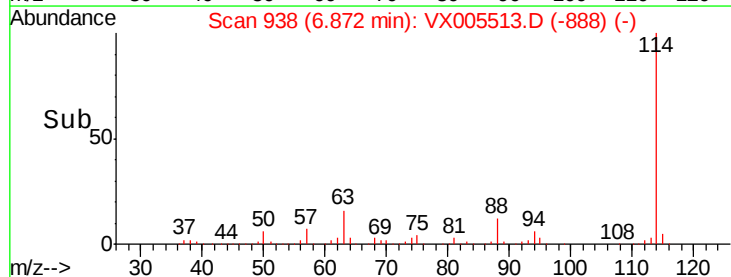
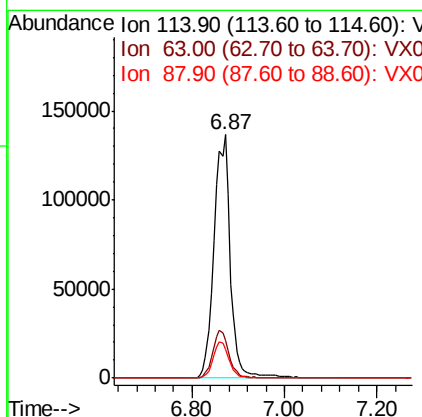
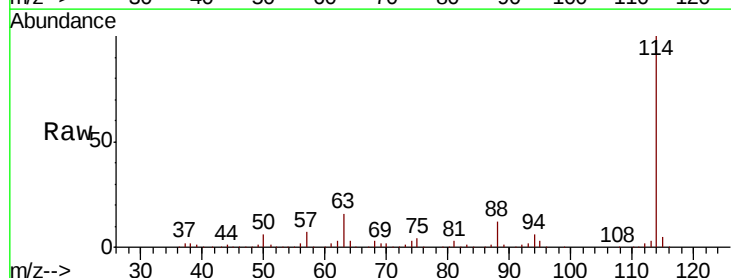
Delta R.T. 0.01 min

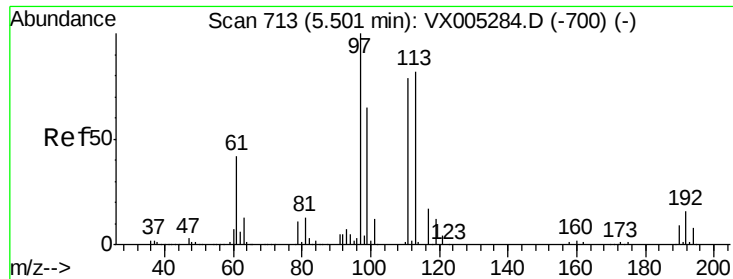
Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

Tgt Ion: 114 Resp: 337219

Ion	Ratio	Lower	Upper
114	100		
63	15.6	0.0	39.0
88	11.9	0.0	30.4

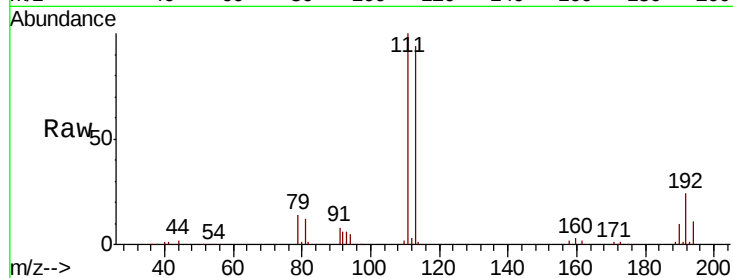




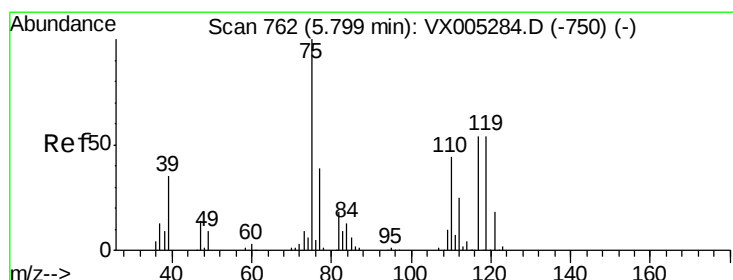
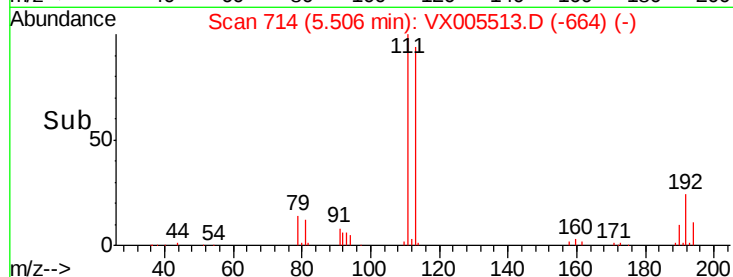
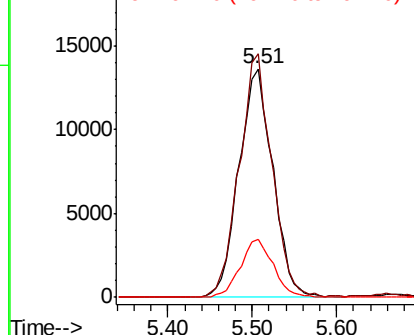
#35
Dibromofluoromethane
Concen: 16.632 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:113 Resp: 37148
Ion Ratio Lower Upper
113 100
111 102.1 82.4 123.6
192 24.4 19.4 29.2

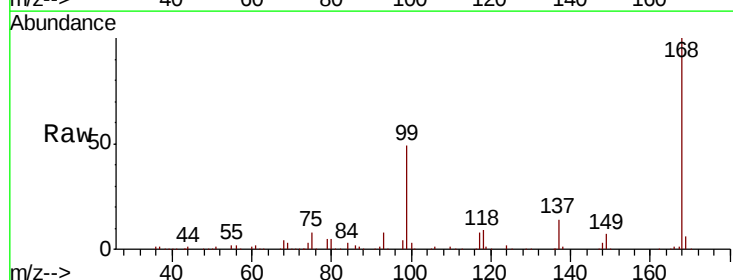


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

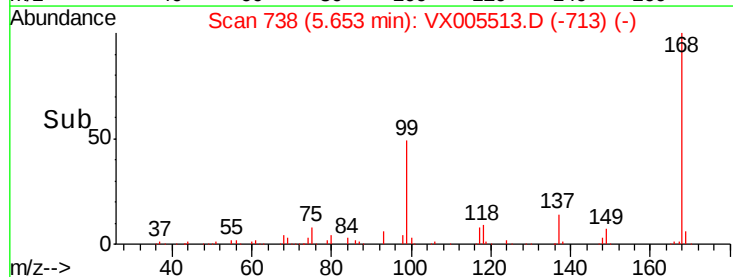
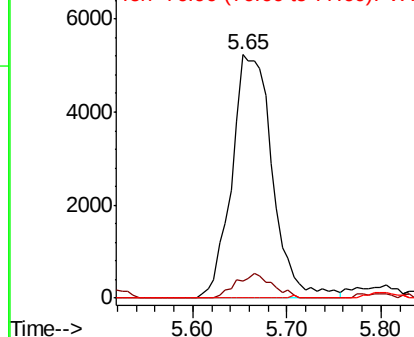


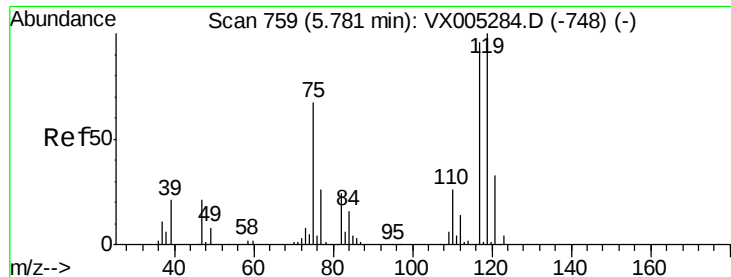
#36
1,1-Dichloropropene
Concen: 4.827 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.15 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

Tgt Ion: 75 Resp: 15766
Ion Ratio Lower Upper
75 100
110 8.9 18.0 54.0#
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

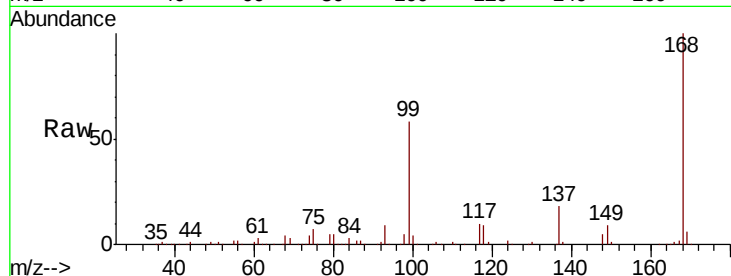




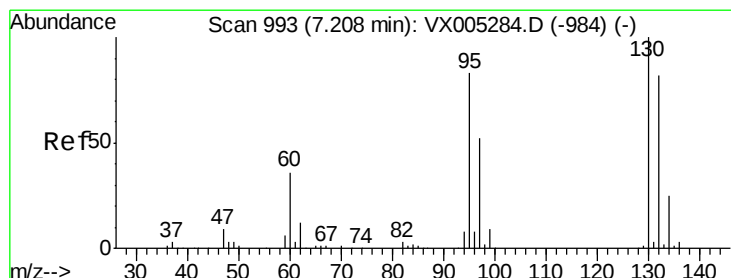
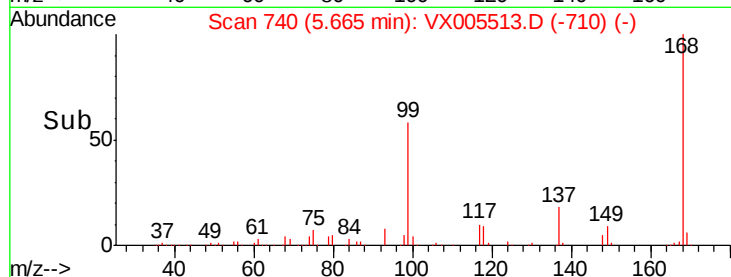
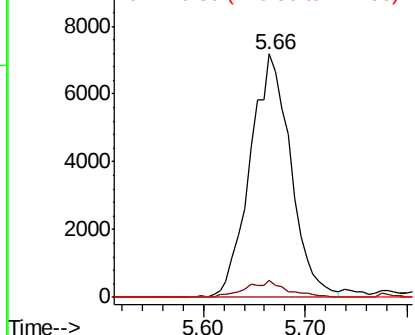
#38
Carbon Tetrachloride
Concen: 6.067 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 19910
Ion Ratio Lower Upper
117 100
119 7.0 78.8 118.2#
121 0.0 24.9 37.3#

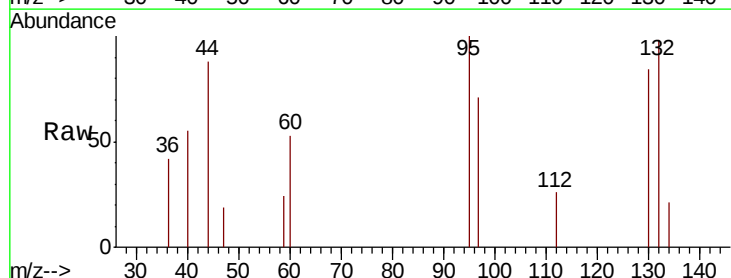


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

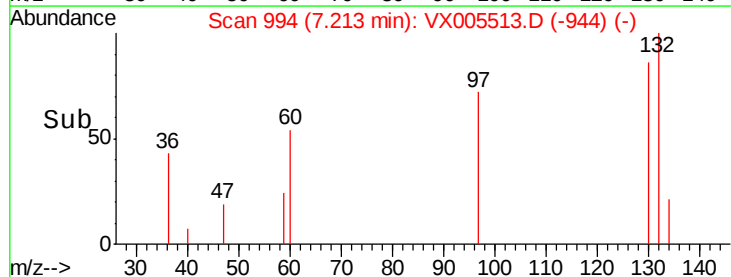
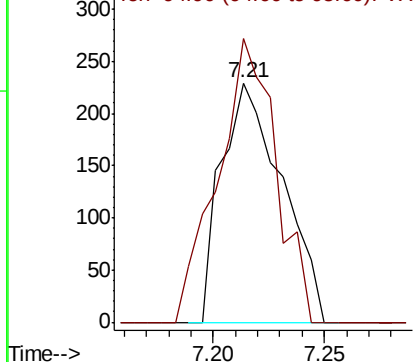


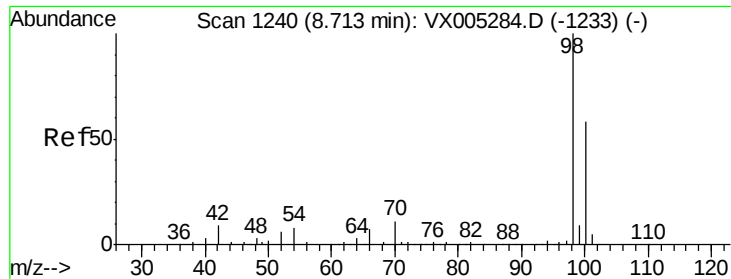
#44
Trichloroethene
Concen: Below Cal
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

Tgt Ion:130 Resp: 434
Ion Ratio Lower Upper
130 100
95 118.8 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

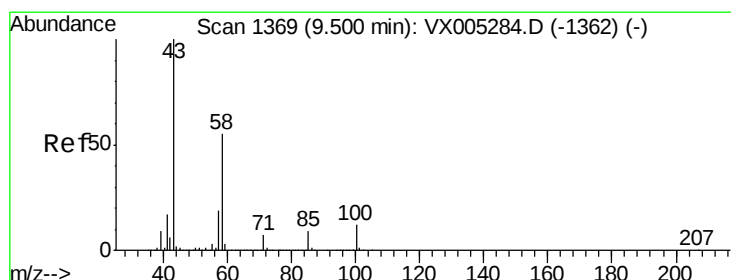
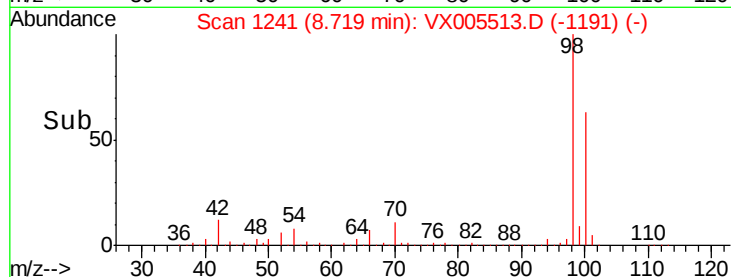
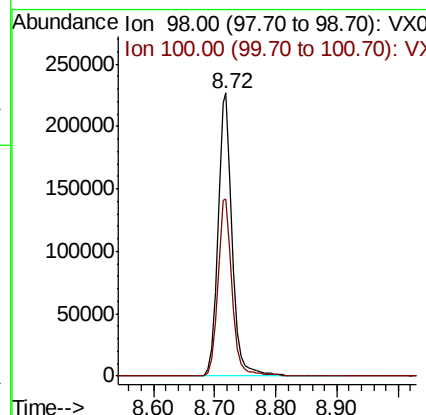
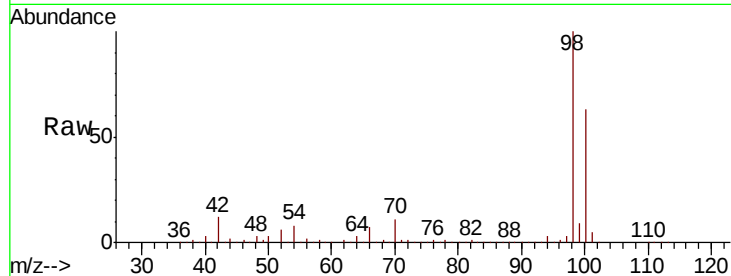




#50
Toluene-d8
Concen: 49.083 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

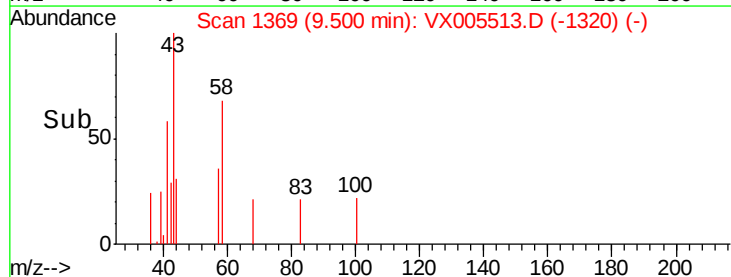
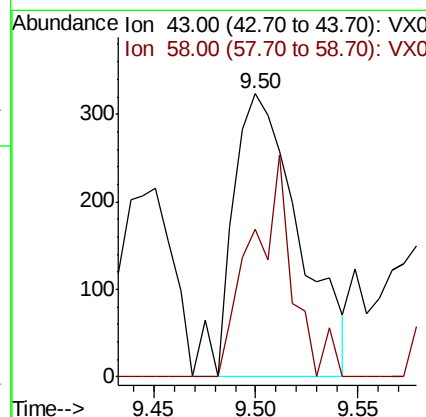
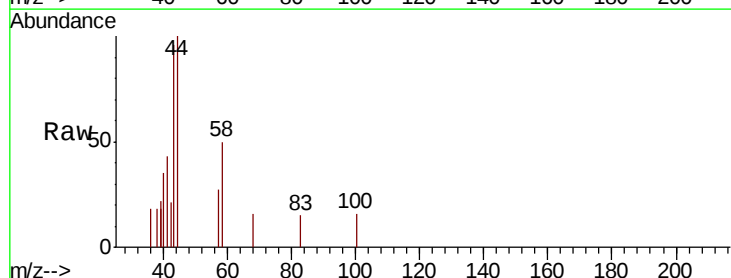
Instrument :
MSVOA_X
ClientSampled :

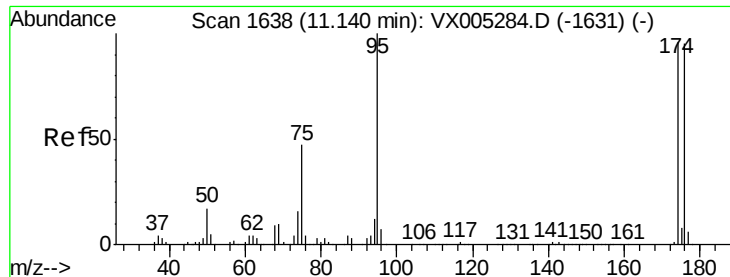
Tot Ion: 98 Resp: 376356
Ion Ratio Lower Upper
98 100
100 63.2 52.9 79.3



#59
2-Hexanone
Concen: 0.236 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

Tgt Ion: 43 Resp: 734
Ion Ratio Lower Upper
43 100
58 48.2 29.0 87.0

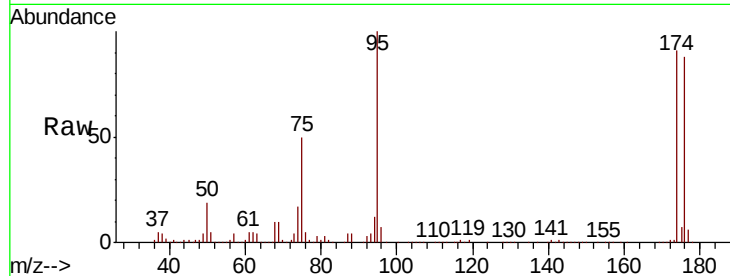




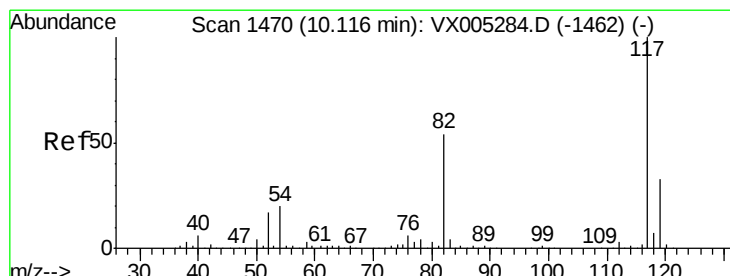
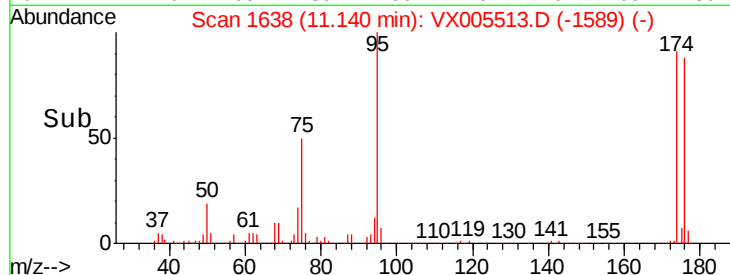
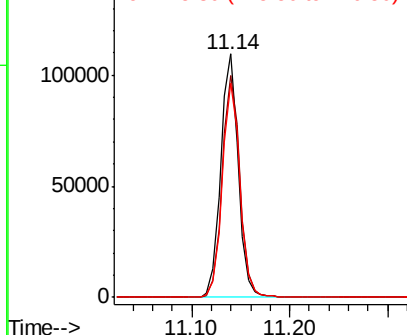
#62
4-Bromofluorobenzene
Concen: 47.263 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 95 Resp: 136141
Ion Ratio Lower Upper
95 100
174 92.5 0.0 185.2
176 88.8 0.0 178.6

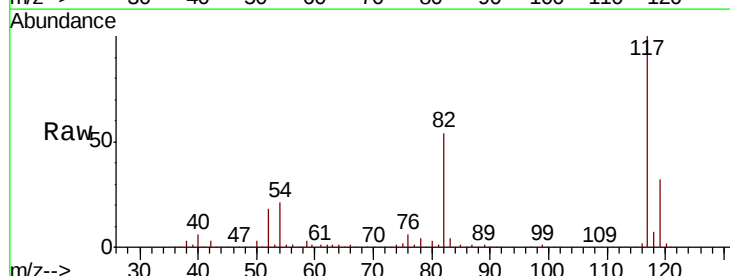


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

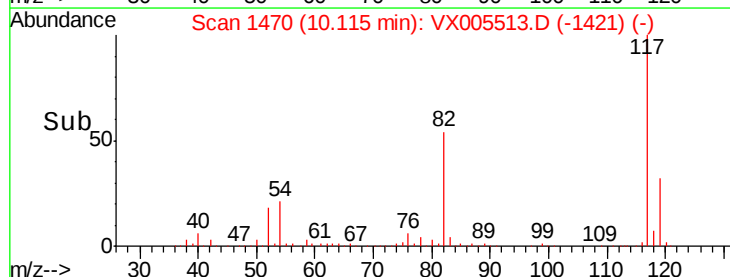
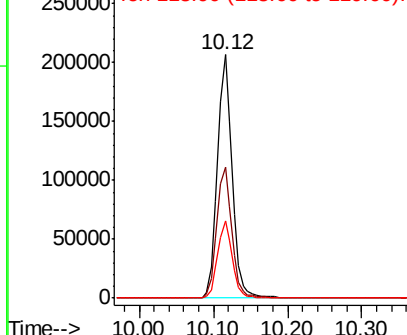


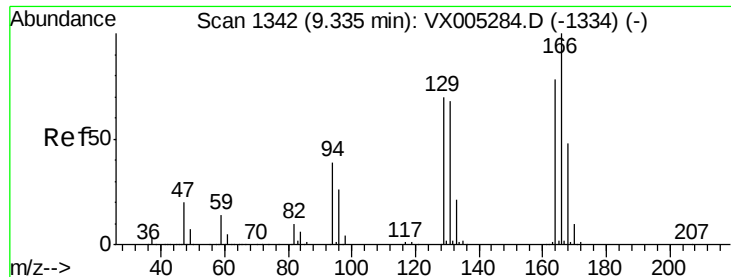
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

Tgt Ion: 117 Resp: 280425
Ion Ratio Lower Upper
117 100
82 53.5 47.8 71.6
119 31.8 29.3 43.9



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.234 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 529

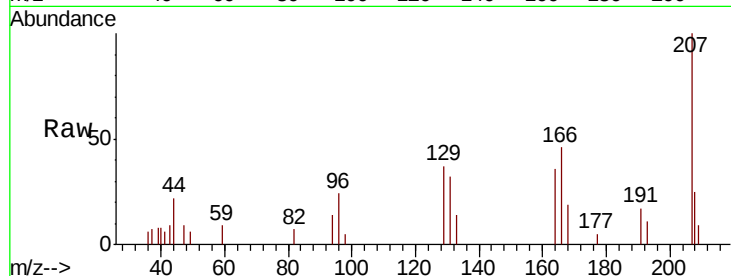
Ion Ratio Lower Upper

164 100

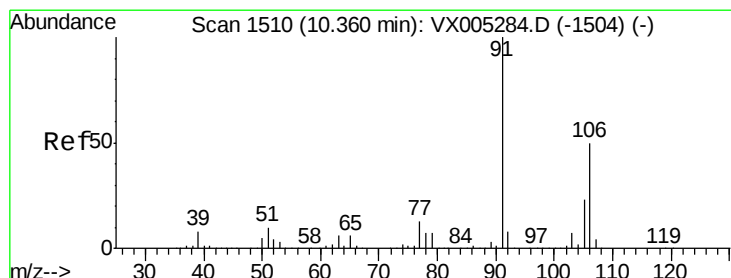
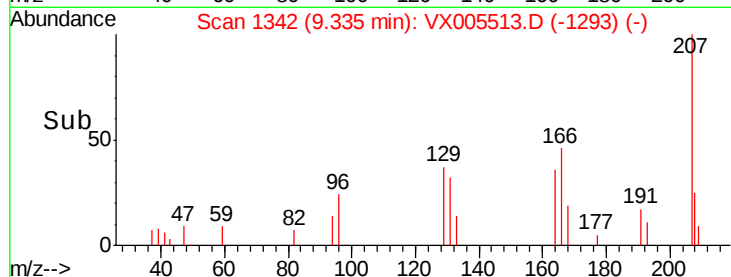
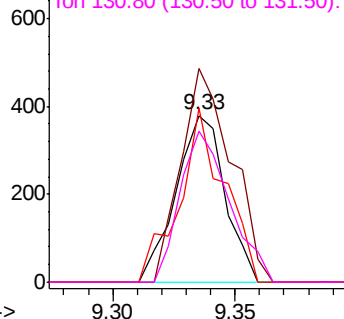
166 127.9 102.8 154.2

129 103.9 69.4 104.0

131 90.3 67.9 101.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#68

m/p-Xylenes

Concen: 0.214 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005513.D

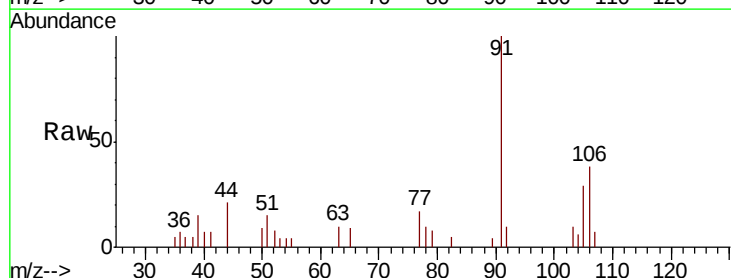
Acq: 23 Oct 2018 11:13

Tgt Ion:106 Resp: 807

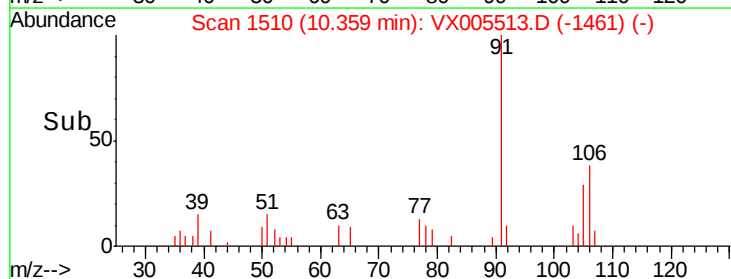
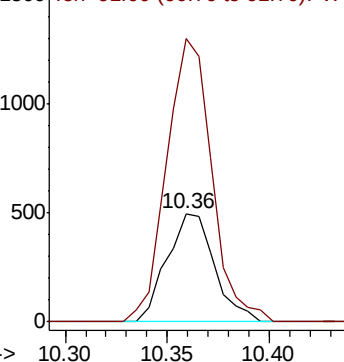
Ion Ratio Lower Upper

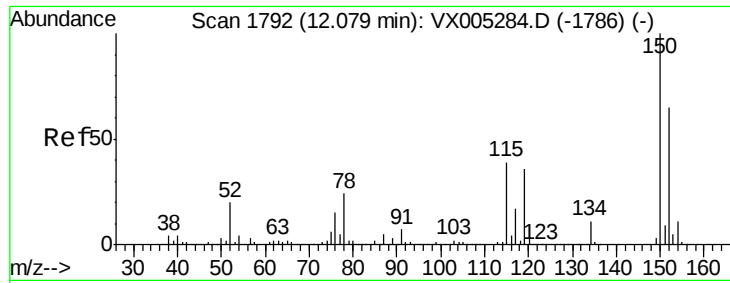
106 100

91 247.6 157.1 235.7#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

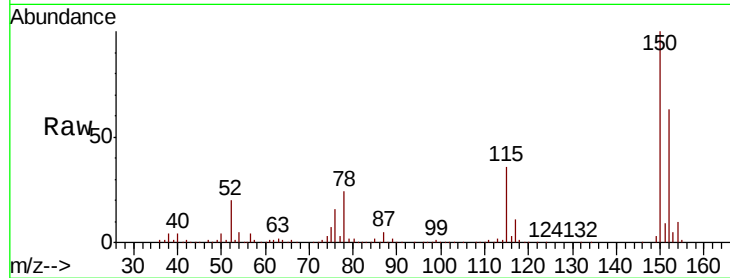
Tot Ion:152 Resp: 137766

Ion Ratio Lower Upper

152 100

115 55.8 39.0 117.0

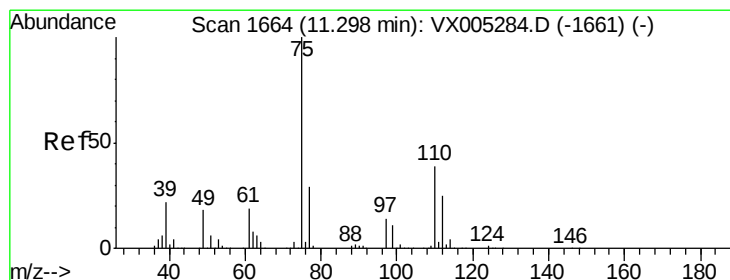
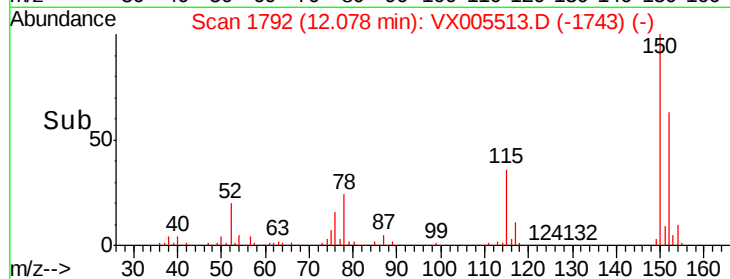
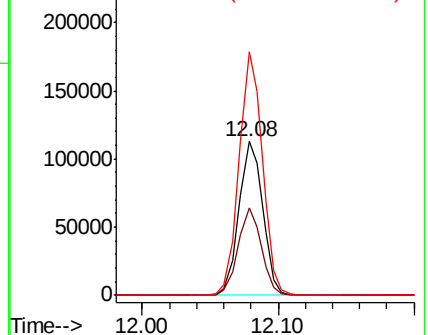
150 155.2 0.0 351.0



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



#76

1,2,3-Trichloropropane

Concen: 25.929 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005513.D

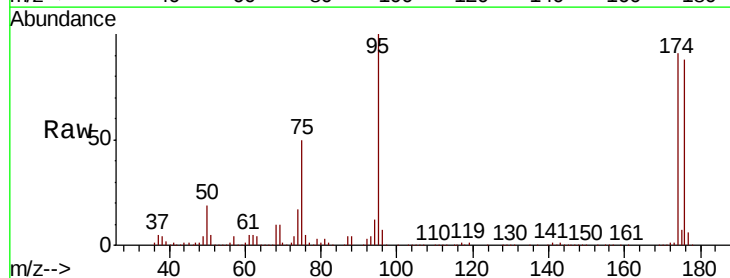
Acq: 23 Oct 2018 11:13

Tgt Ion: 75 Resp: 69290

Ion Ratio Lower Upper

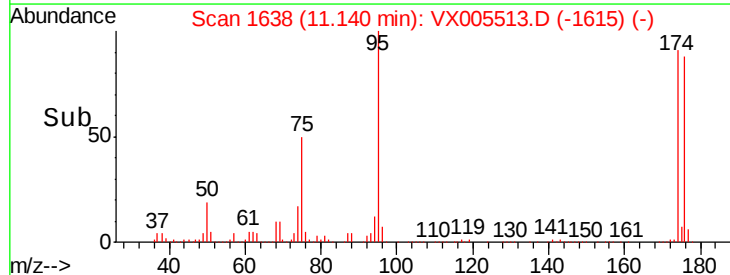
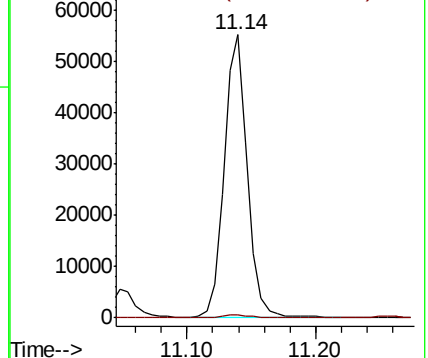
75 100

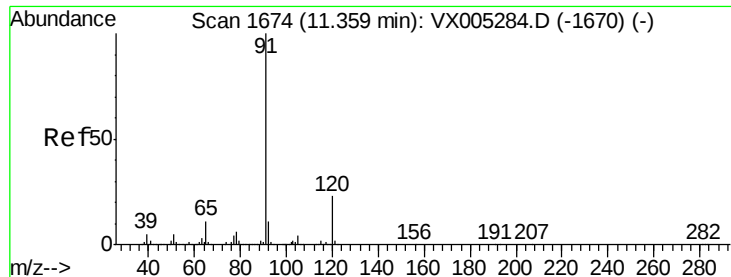
77 1.5 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.242 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

Instrument :

MSVOA_X

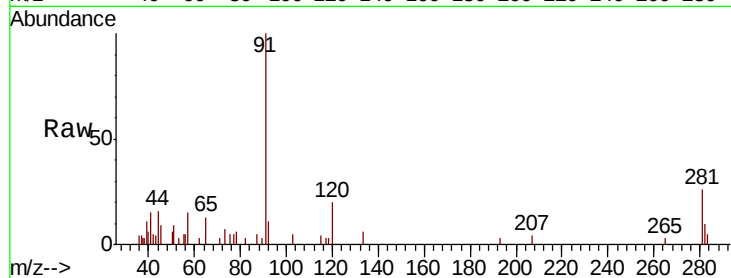
ClientSampleId :

Tot Ion: 91 Resp: 2278

Ion Ratio Lower Upper

91 100

120 21.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

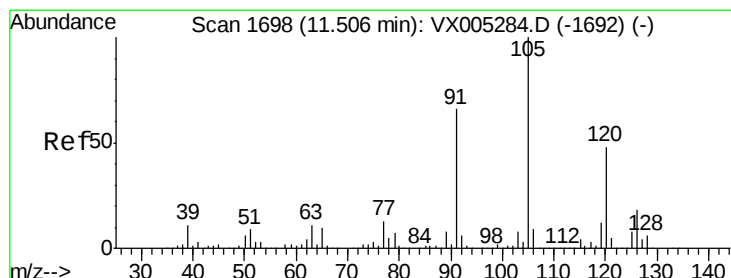
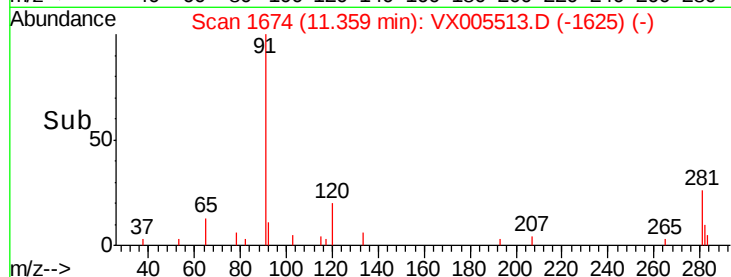
1500

1000

500

0

Time--> 11.30 11.35 11.40



#80

1,3,5-Trimethylbenzene

Concen: 0.205 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005513.D

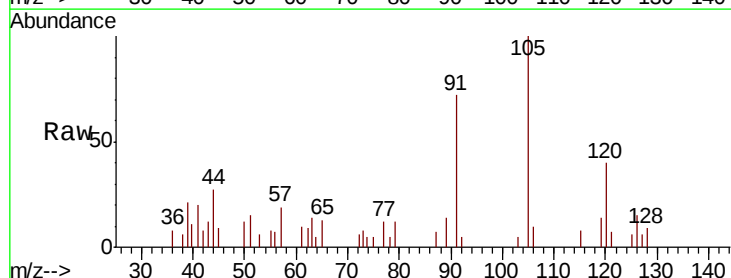
Acq: 23 Oct 2018 11:13

Tgt Ion: 105 Resp: 1440

Ion Ratio Lower Upper

105 100

120 44.2 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

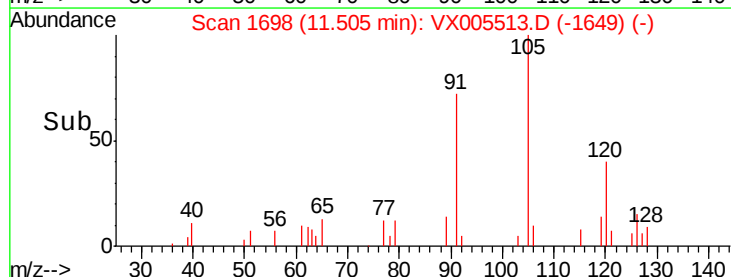
11.51

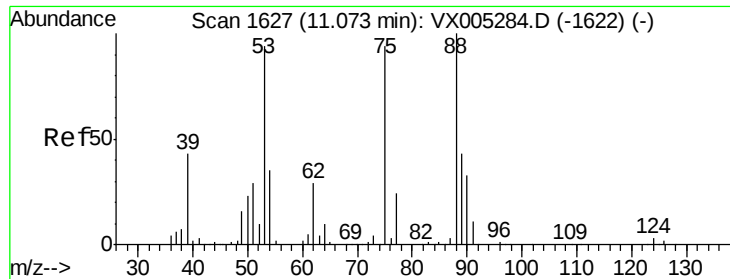
1000

500

0

Time--> 11.50 11.55





#81

trans-1,4-Dichloro-2-butene

Concen: 8.753 ug/l

RT: 11.05 min Scan# 1623

Delta R.T. -0.02 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

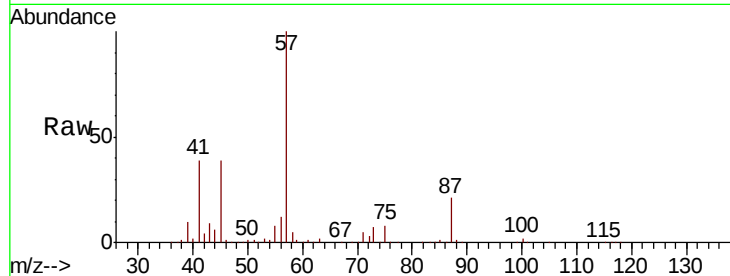
Tot Ion: 75 Resp: 7698

Ion Ratio Lower Upper

75 100

53 26.1 80.1 120.1#

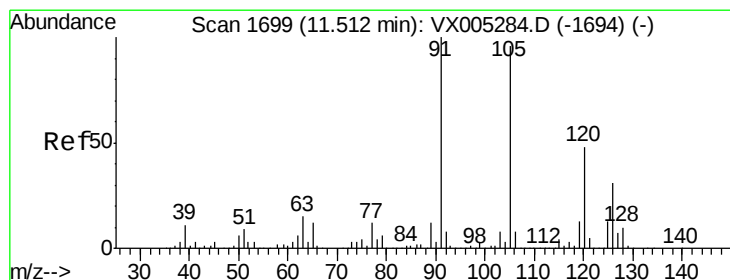
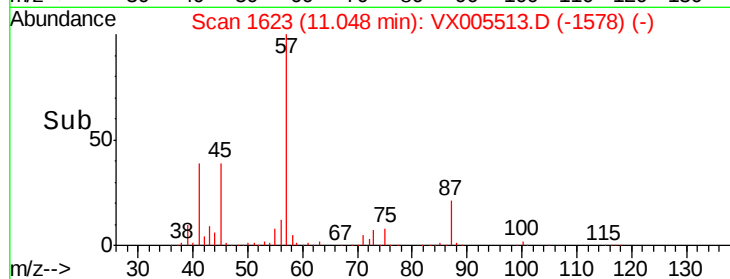
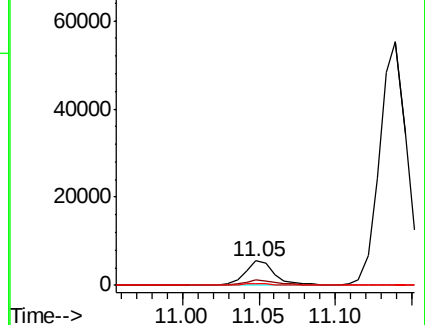
89 5.5 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.248 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005513.D

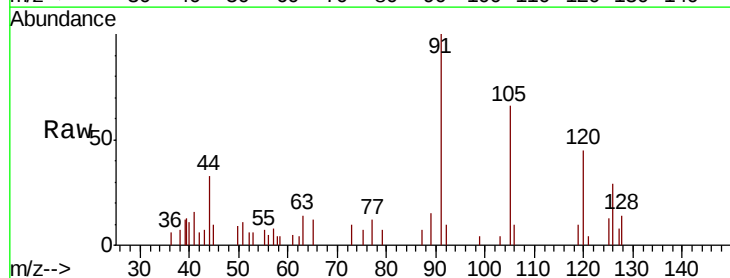
Acq: 23 Oct 2018 11:13

Tgt Ion: 91 Resp: 1698

Ion Ratio Lower Upper

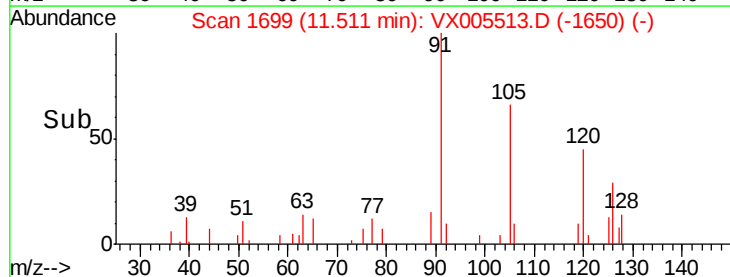
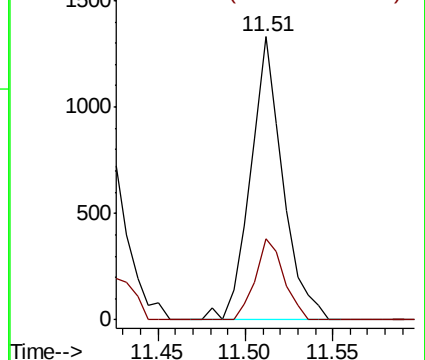
91 100

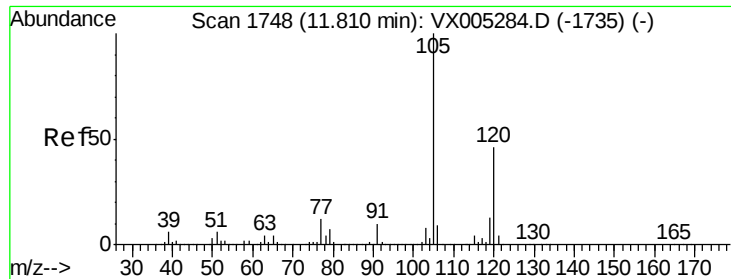
126 25.6 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

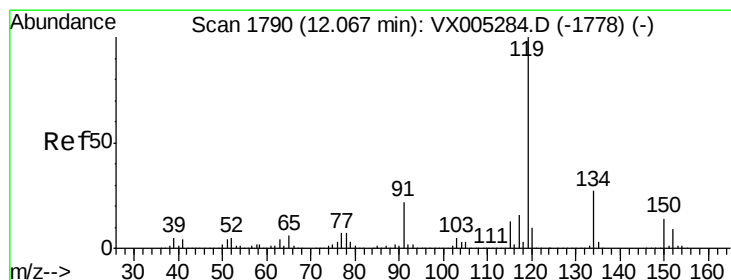
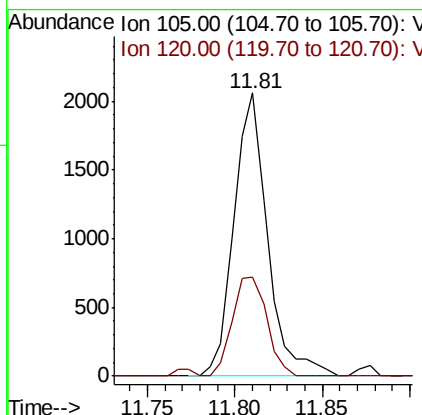
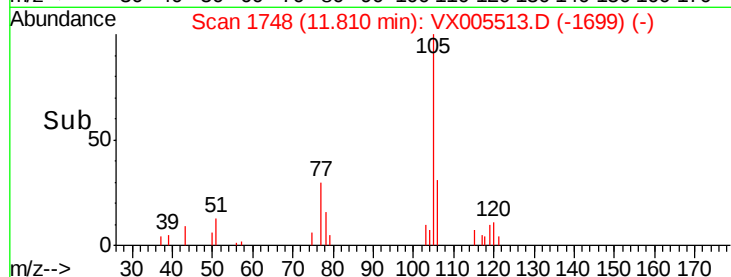
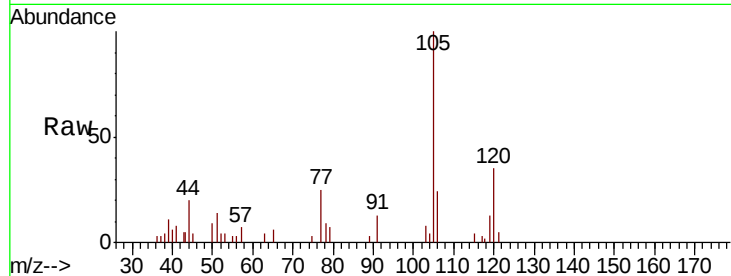




#84
1,2,4-Trimethylbenzene
Concen: 0.382 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

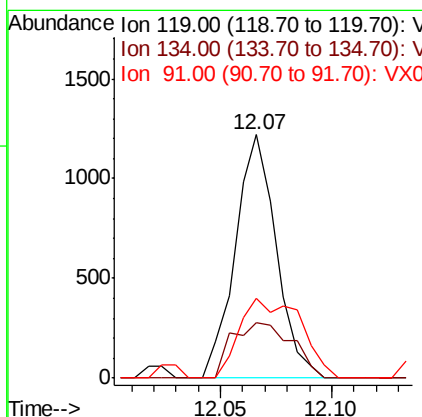
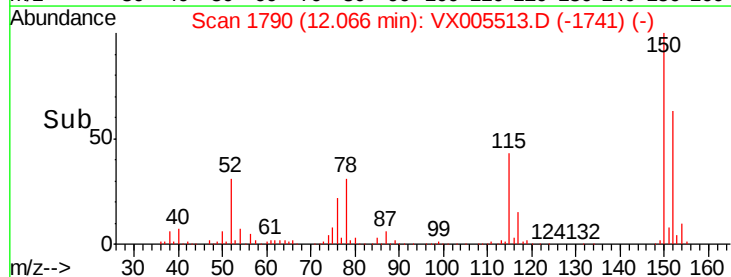
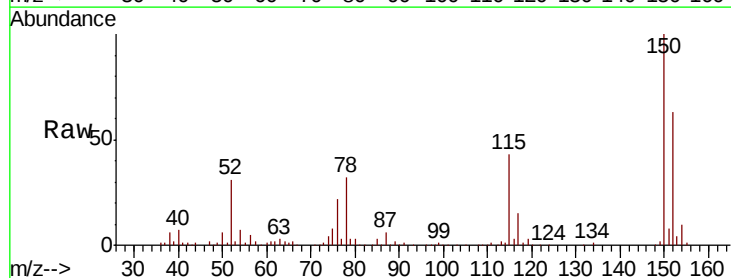
Instrument :
MSVOA_X
ClientSampleId :

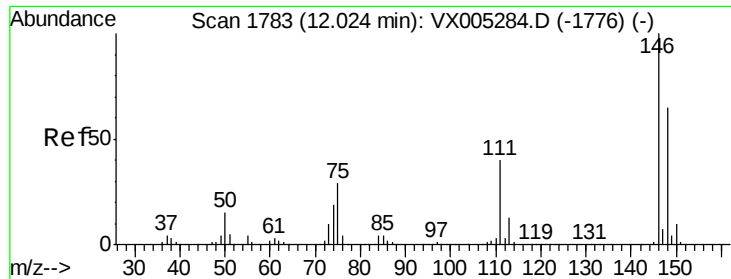
Tot Ion:105 Resp: 2755
Ion Ratio Lower Upper
105 100
120 36.0 23.2 69.6



#86
p-Isopropyltoluene
Concen: 0.206 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

Tgt Ion:119 Resp: 1567
Ion Ratio Lower Upper
119 100
134 33.2 13.4 40.2
91 48.4 10.9 32.7#





#87

1,3-Dichlorobenzene

Concen: 0.266 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

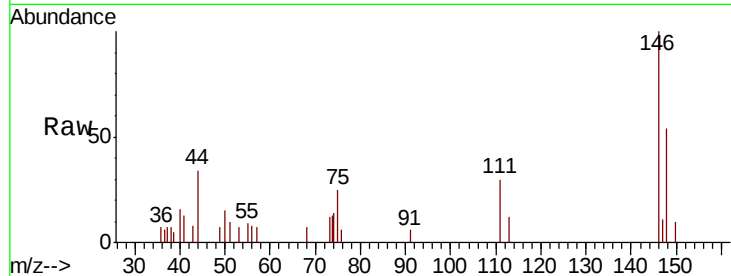
Tot Ion:146 Resp: 1163

Ion Ratio Lower Upper

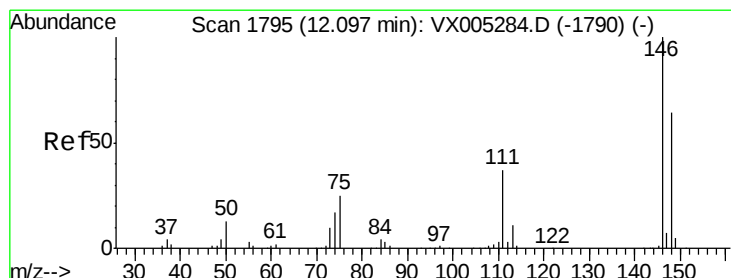
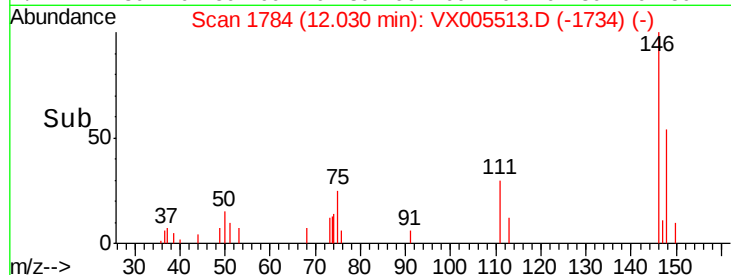
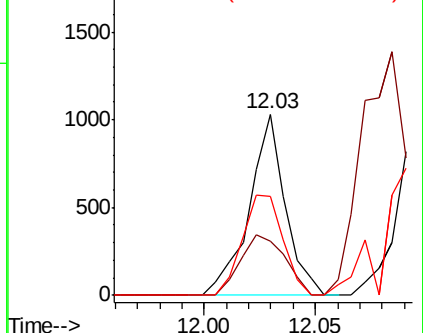
146 100

111 41.1 18.7 56.1

148 62.3 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 0.260 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.07 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

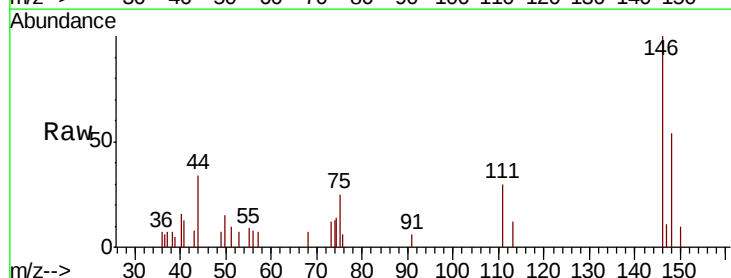
Tgt Ion:146 Resp: 1163

Ion Ratio Lower Upper

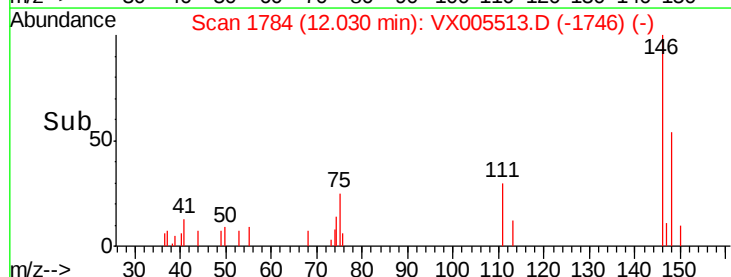
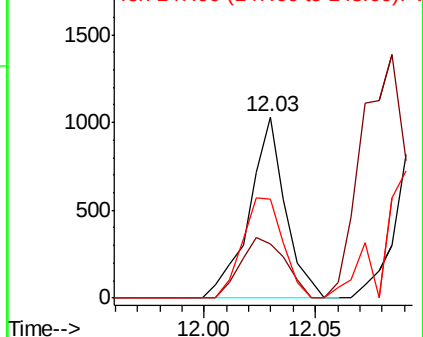
146 100

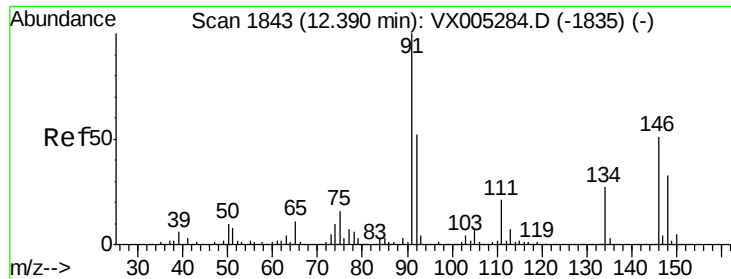
111 41.1 18.1 54.1

148 62.3 32.0 96.0



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

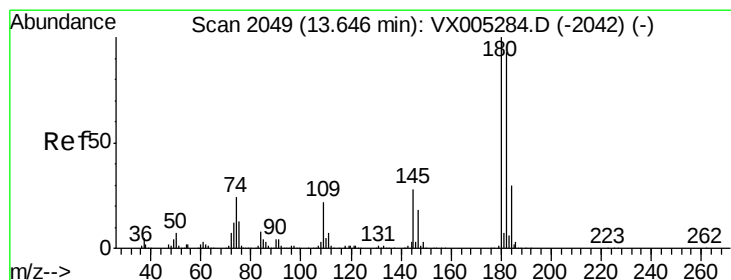
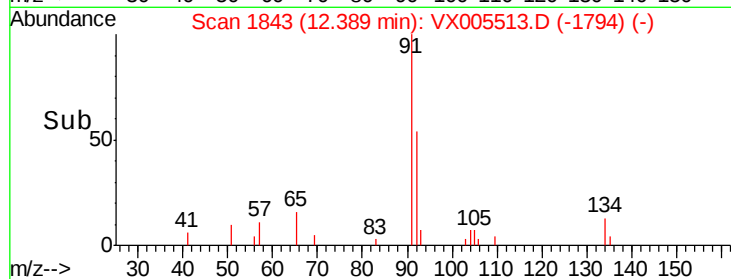
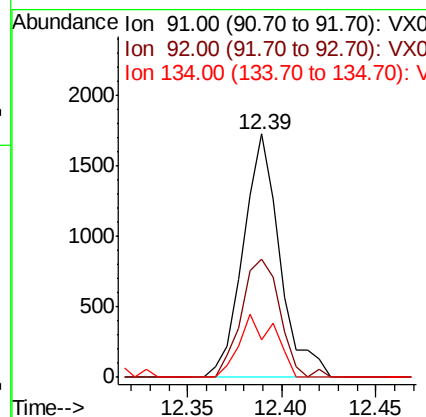
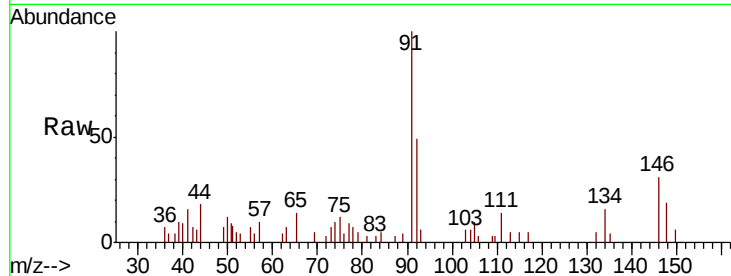




#89
n-Butylbenzene
Concen: 0.336 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

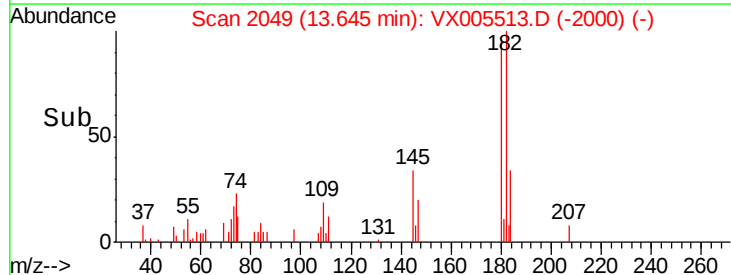
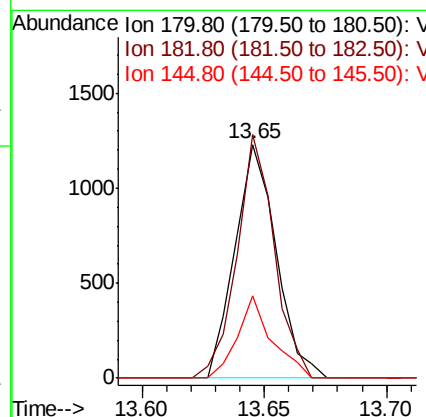
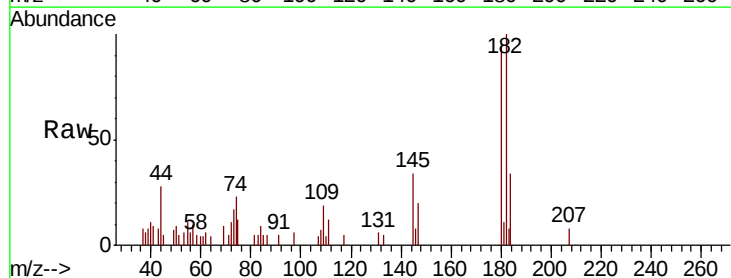
Instrument :
MSVOA_X
ClientSampled :

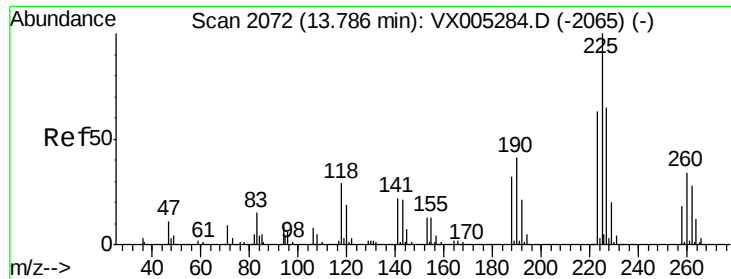
Tot Ion: 91 Resp: 2315
Ion Ratio Lower Upper
91 100
92 51.5 27.3 81.9
134 25.0 13.6 40.7



#93
1,2,4-Trichlorobenzene
Concen: 0.440 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005513.D
Acq: 23 Oct 2018 11:13

Tgt Ion: 180 Resp: 1442
Ion Ratio Lower Upper
180 100
182 94.0 48.4 145.0
145 29.5 14.3 42.9





#94

Hexachlorobutadiene

Concen: 0.380 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

Instrument :

MSVOA_X

ClientSampled :

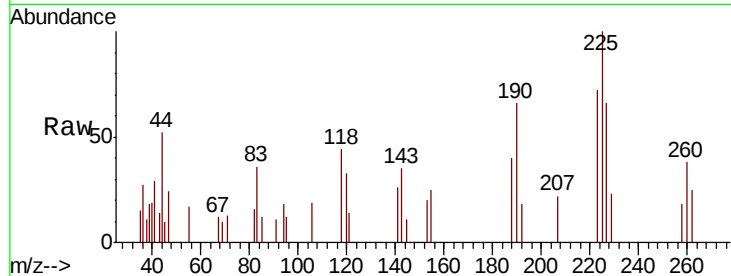
Tot Ion:225 Resp: 658

Ion Ratio Lower Upper

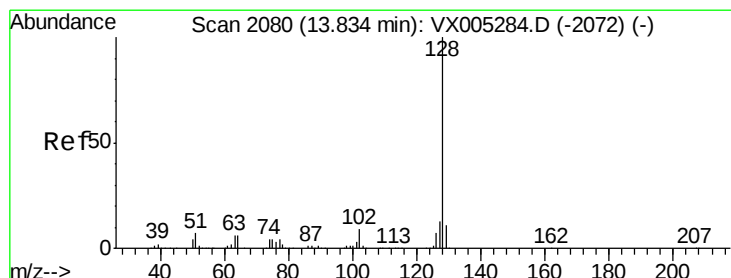
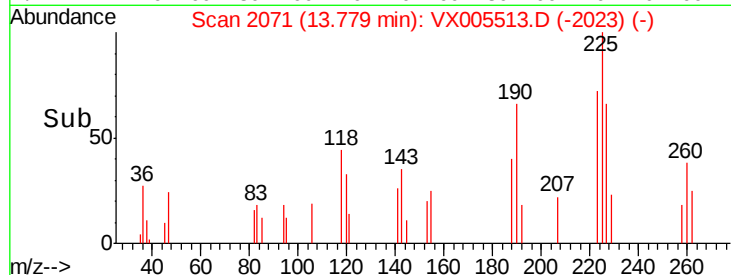
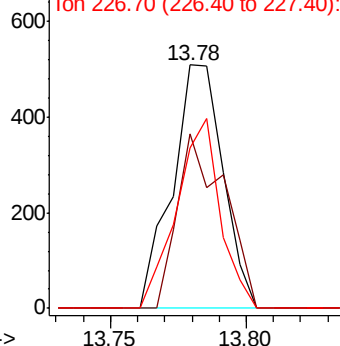
225 100

223 66.9 30.1 90.5

227 66.9 30.8 92.4



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



#95

Naphthalene

Concen: 1.060 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005513.D

Acq: 23 Oct 2018 11:13

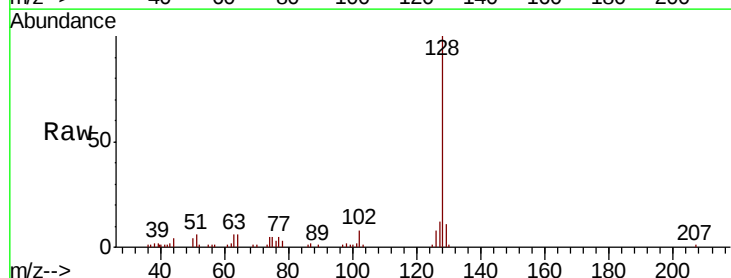
Tgt Ion:128 Resp: 10067

Ion Ratio Lower Upper

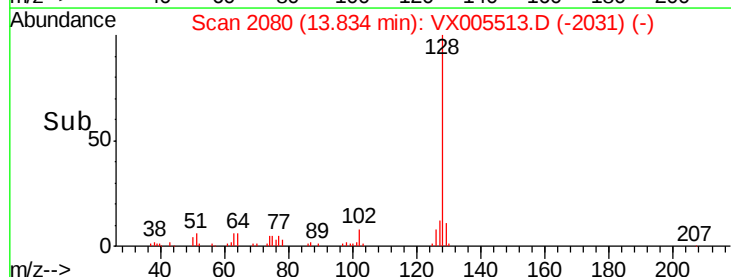
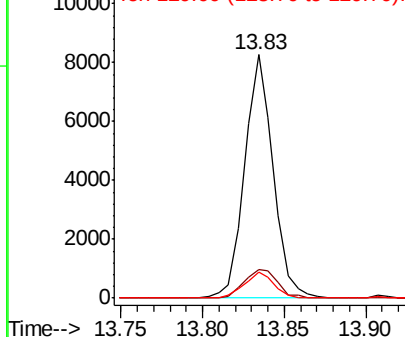
128 100

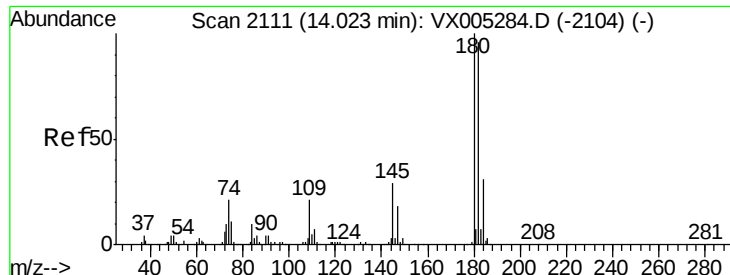
127 13.8 10.2 15.2

129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

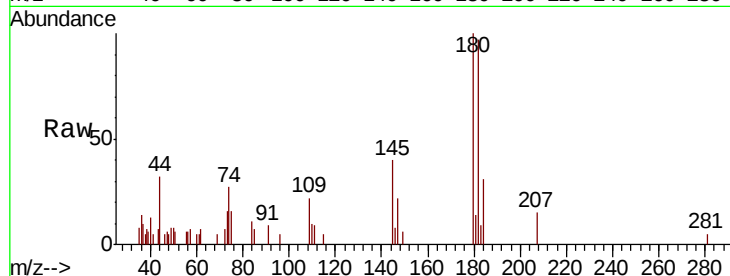




#96
 1,2,3-Trichlorobenzene
 Concen: 0.387 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VX005513.D
 Acq: 23 Oct 2018 11:13

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.5	145.6
145	31.6	14.9	44.9



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

