

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021420\
 Data File : VX014942.D
 Acq On : 14 Feb 2020 13:17
 Operator : JC/SP
 Sample : L1533-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 14 22:10:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	462371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	712114	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	679280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	357831	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	262398	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
35) Dibromofluoromethane	5.49	113	217833	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
50) Toluene-d8	8.71	98	855284	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.13	95	317586	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	

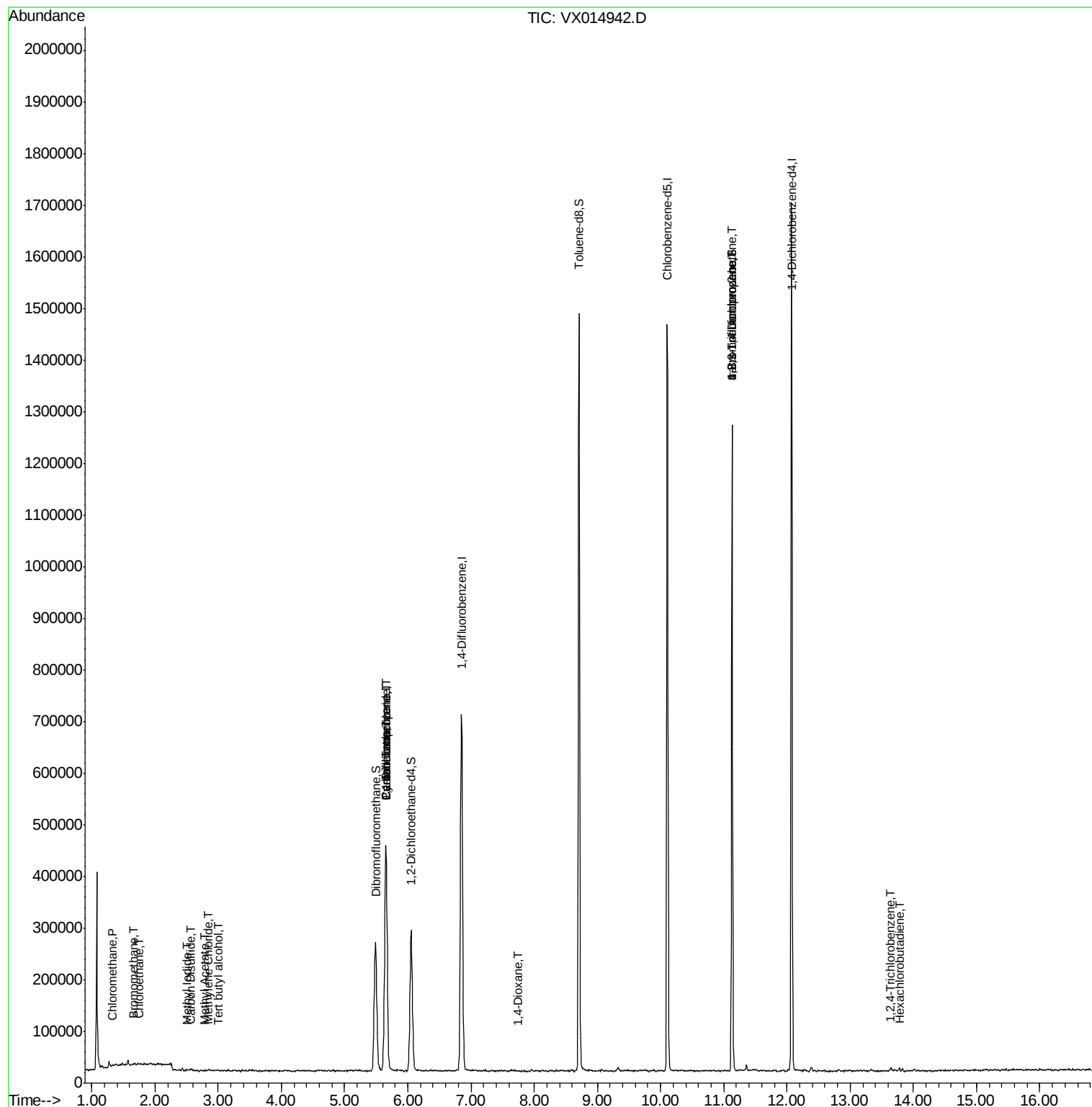
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1514	0.305	ug/l	91
5) Bromomethane	1.66	94	1685	0.487	ug/l	100
6) Chloroethane	1.75	64	1472	0.430	ug/l	94
10) Methyl Iodide	2.51	142	2449	4.831	ug/l #	88
11) Tert butyl alcohol	3.01	59	398	0.432	ug/l #	15
16) Acetone	2.43	43	3917	Below Cal	#	89
17) Carbon Disulfide	2.57	76	3530	0.298	ug/l #	86
18) Methyl Acetate	2.78	43	1443	0.275	ug/l #	60
20) Methylene Chloride	2.85	84	1563	0.311	ug/l	92
31) Cyclohexane	5.65	56	8210	1.113	ug/l #	15
36) 1,1-Dichloropropene	5.65	75	29395	4.615	ug/l #	50
38) Carbon Tetrachloride	5.65	117	41294	6.652	ug/l #	16
49) 1,4-Dioxane	7.75	88	226	2.241	ug/l #	25
76) 1,2,3-Trichloropropane	11.13	75	158466	24.490	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	158466	62.686	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.64	180	1758	0.216	ug/l #	89
94) Hexachlorobutadiene	13.78	225	838	0.213	ug/l	90

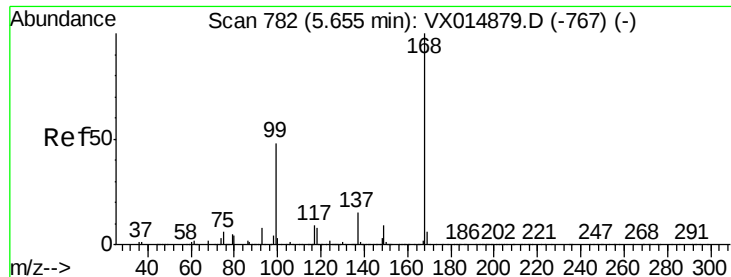
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021420\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
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Response via : Initial Calibration



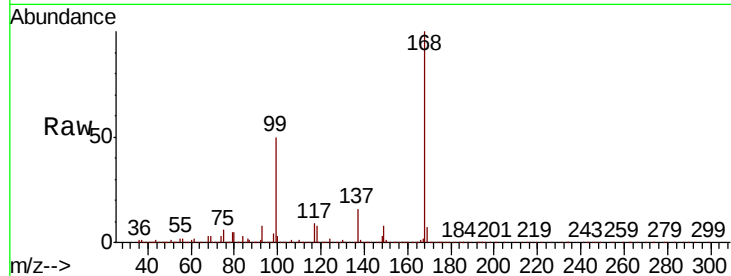


#1

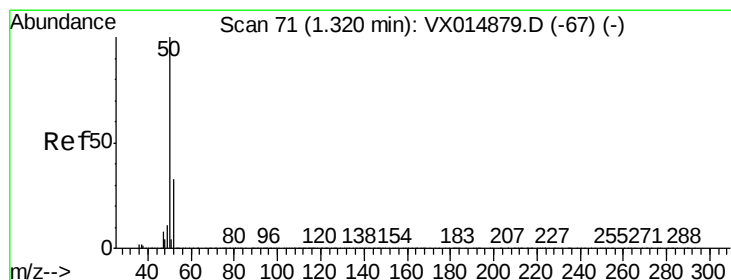
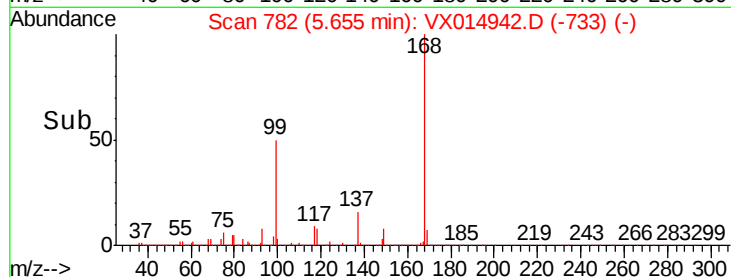
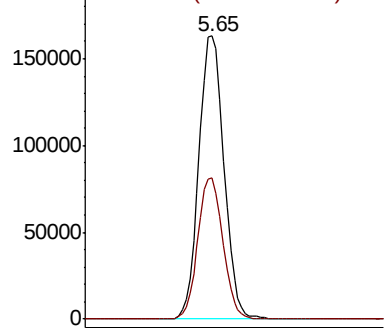
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VX014942.D
 Acq: 14 Feb 2020 13:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:168 Resp: 462371
 Ion Ratio Lower Upper
 168 100
 99 49.8 38.7 58.1



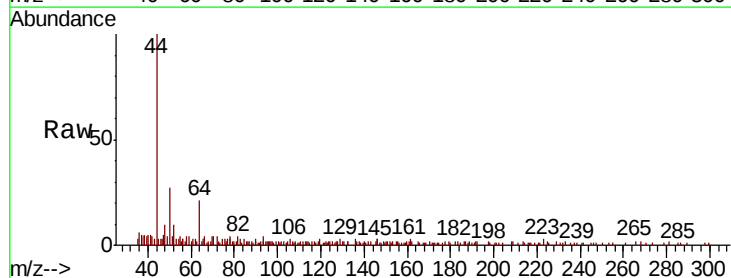
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



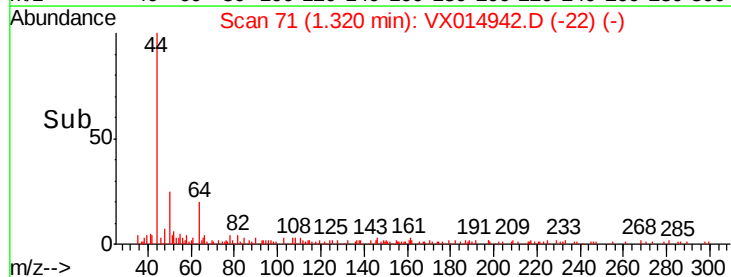
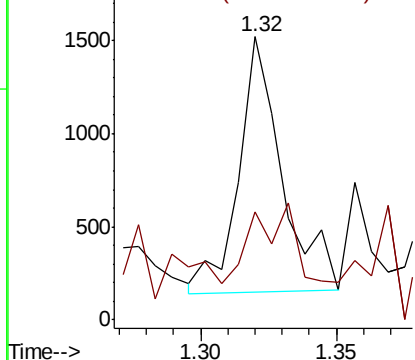
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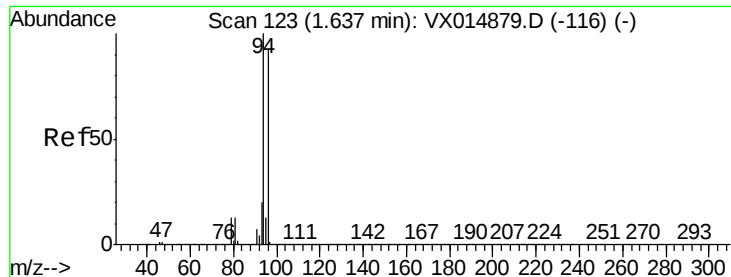
Chloromethane
 Concen: 0.305 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VX014942.D
 Acq: 14 Feb 2020 13:17

Tgt Ion: 50 Resp: 1514
 Ion Ratio Lower Upper
 50 100
 52 27.4 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: 0.487 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014942.D

Acq: 14 Feb 2020 13:17

Instrument :

MSVOA_X

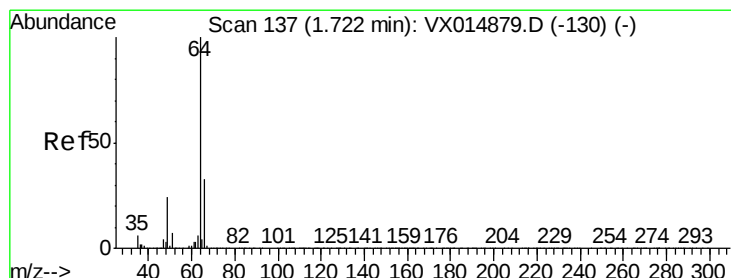
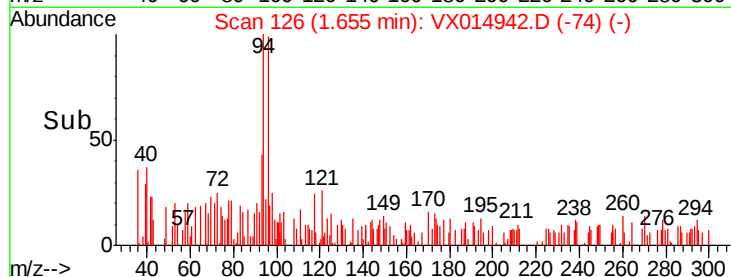
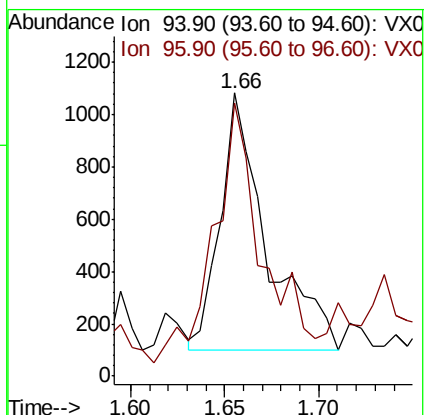
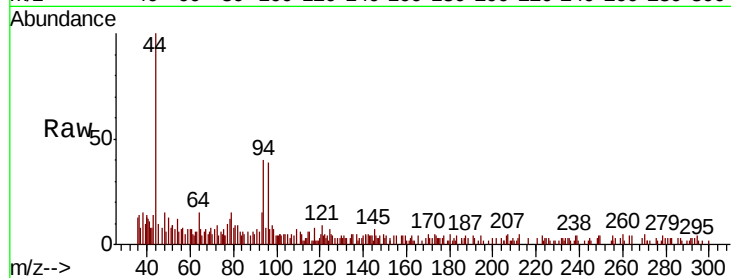
ClientSampleId :

Tot Ion: 94 Resp: 1685

Ion Ratio Lower Upper

94 100

96 92.5 73.7 110.5



#6

Chloroethane

Concen: 0.430 ug/l

RT: 1.75 min Scan# 142

Delta R.T. 0.03 min

Lab File: VX014942.D

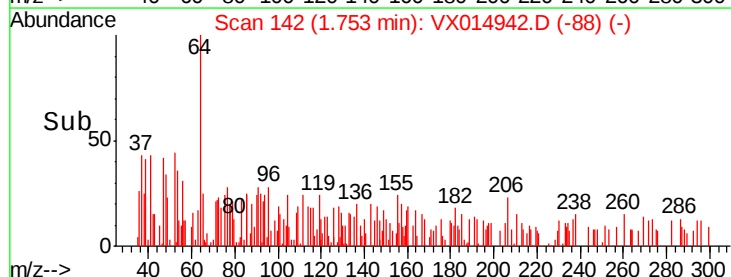
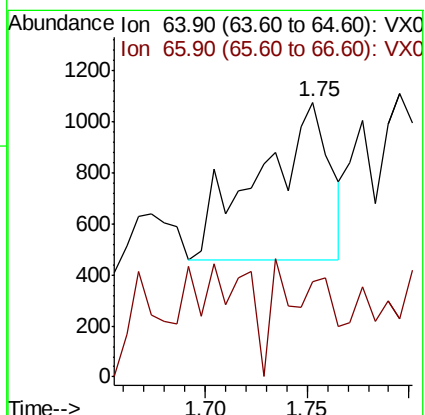
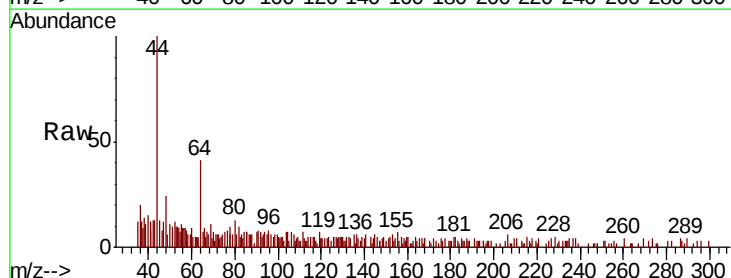
Acq: 14 Feb 2020 13:17

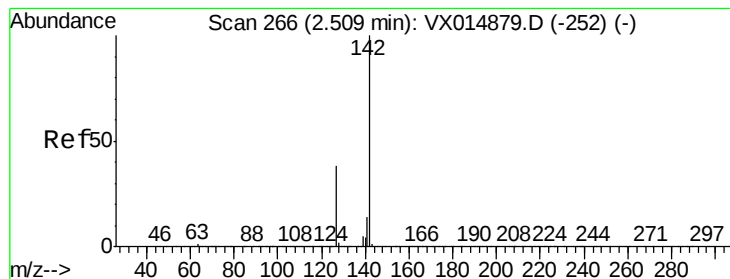
Tgt Ion: 64 Resp: 1472

Ion Ratio Lower Upper

64 100

66 29.2 26.2 39.4





#10

Methvl Iodide

Concen: 4.831 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014942.D

Acq: 14 Feb 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

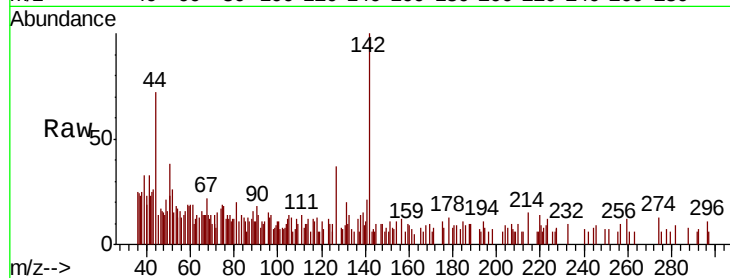
Tot Ion:142 Resp: 2449

Ion Ratio Lower Upper

142 100

127 41.0 31.1 46.7

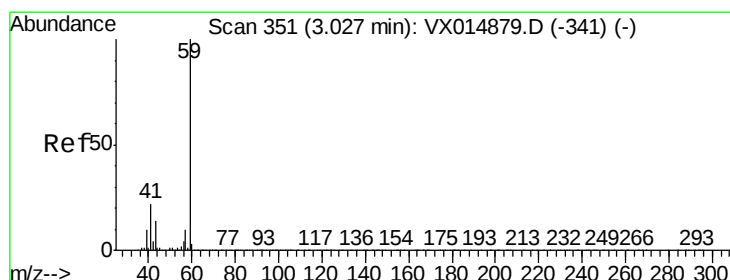
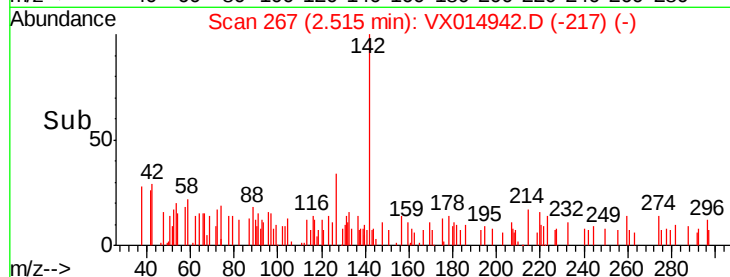
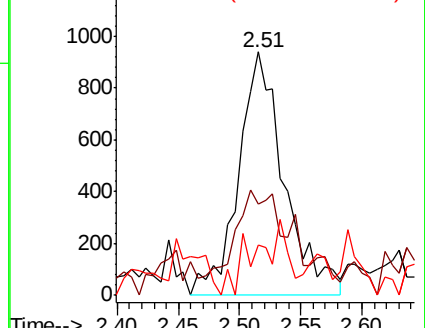
141 0.0 11.3 16.9#



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: 0.432 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX014942.D

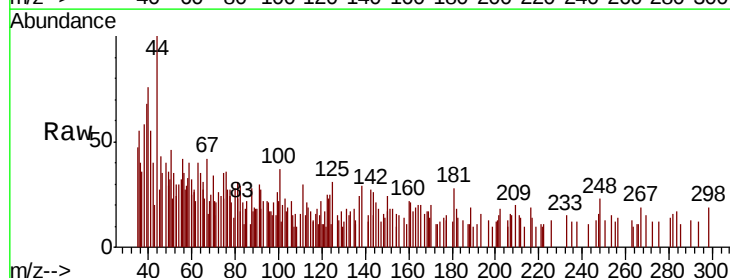
Acq: 14 Feb 2020 13:17

Tgt Ion: 59 Resp: 398

Ion Ratio Lower Upper

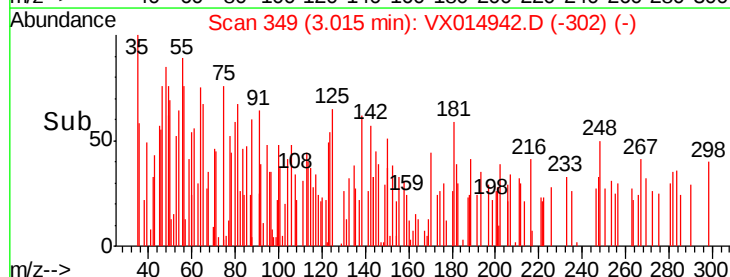
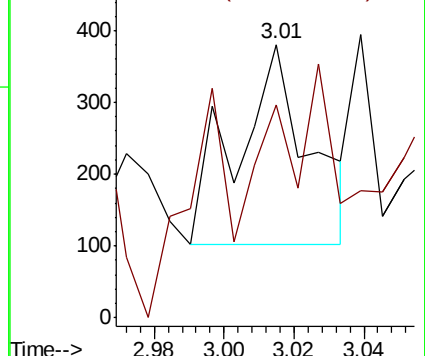
59 100

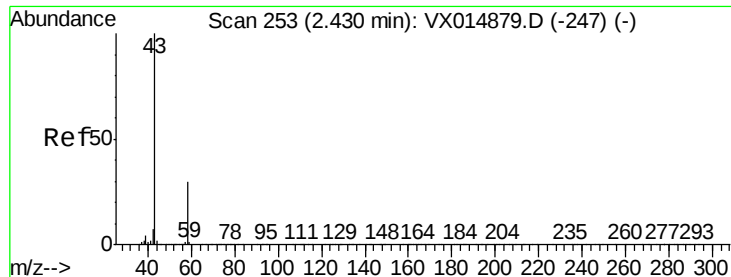
57 42.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014942.D

Acq: 14 Feb 2020 13:17

Instrument :

MSVOA_X

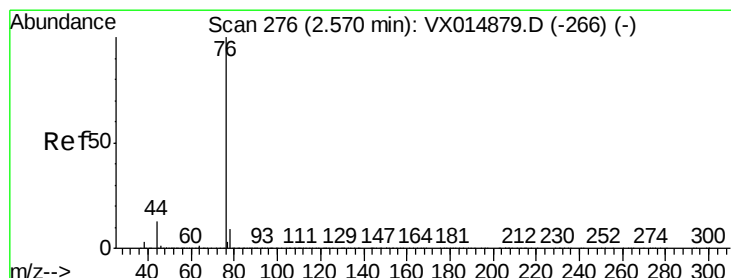
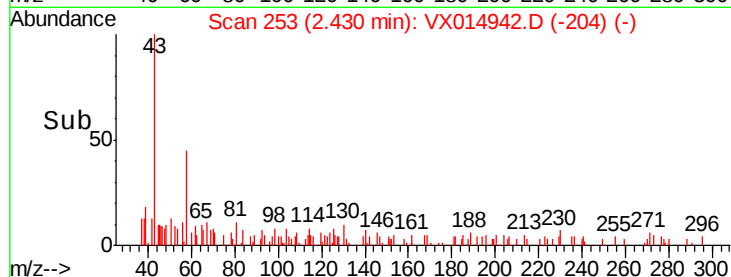
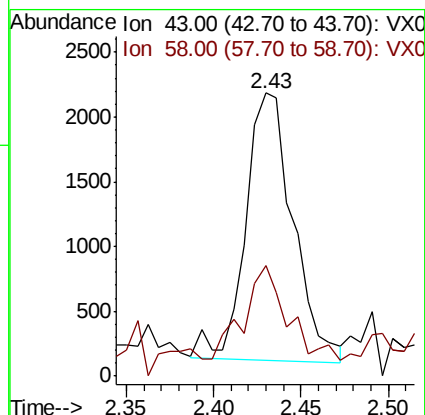
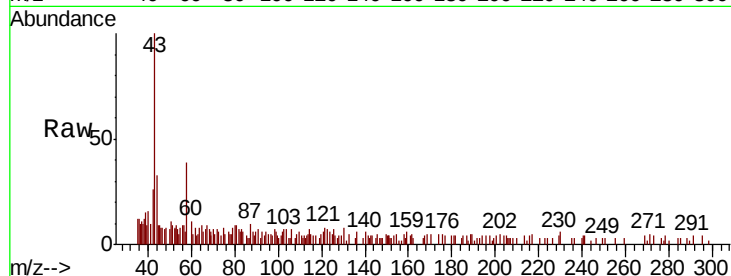
ClientSampleId :

Tot Ion: 43 Resp: 3917

Ion Ratio Lower Upper

43 100

58 36.1 24.1 36.1#



#17

Carbon Disulfide

Concen: 0.298 ug/l

RT: 2.57 min Scan# 276

Delta R.T. -0.00 min

Lab File: VX014942.D

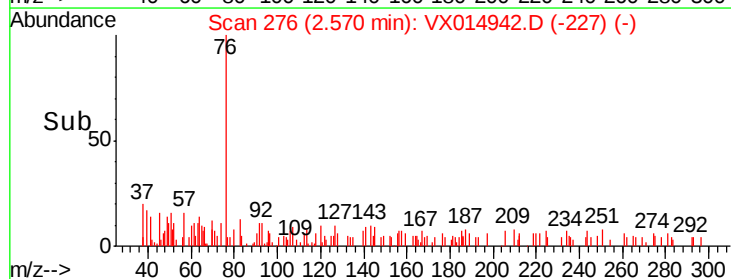
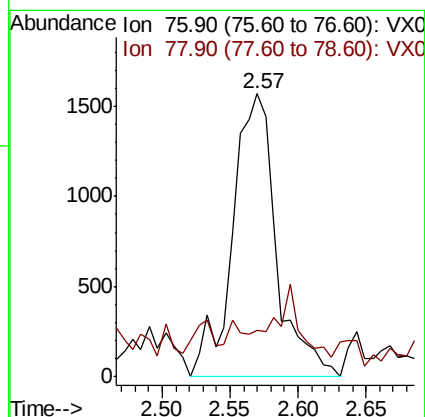
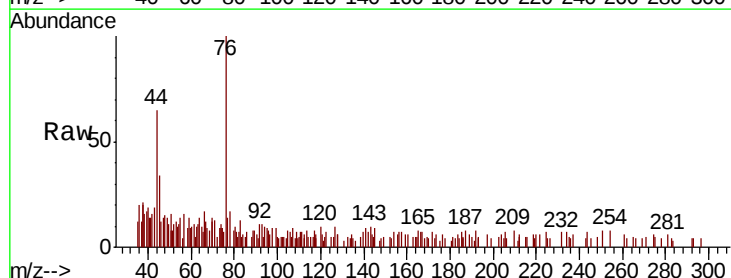
Acq: 14 Feb 2020 13:17

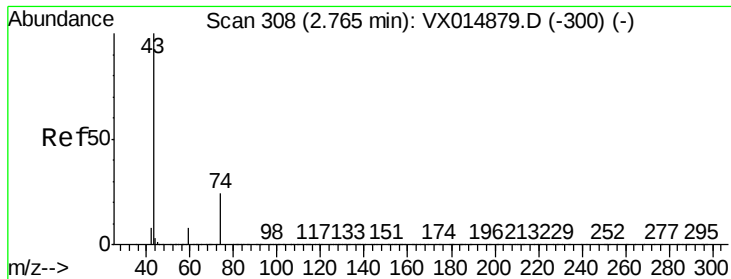
Tgt Ion: 76 Resp: 3530

Ion Ratio Lower Upper

76 100

78 4.3 7.4 11.0#

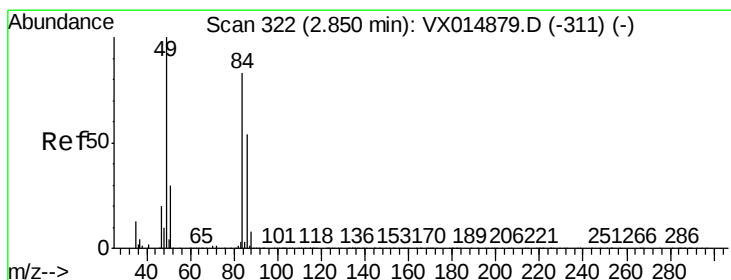
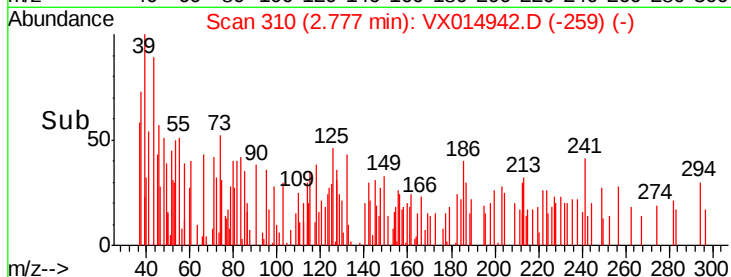
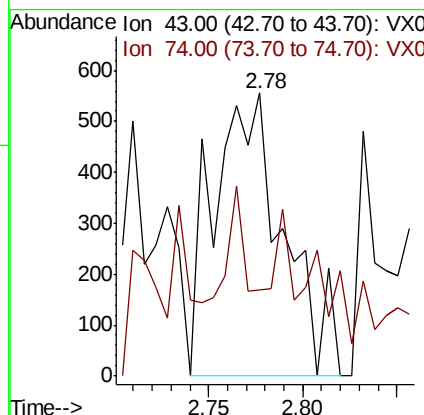
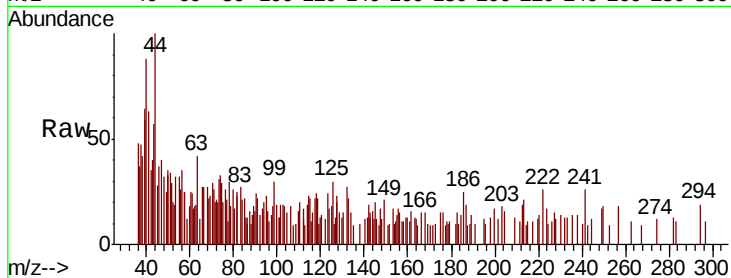




#18
Methyl Acetate
Concen: 0.275 ug/l
RT: 2.78 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX014942.D
Acq: 14 Feb 2020 13:17

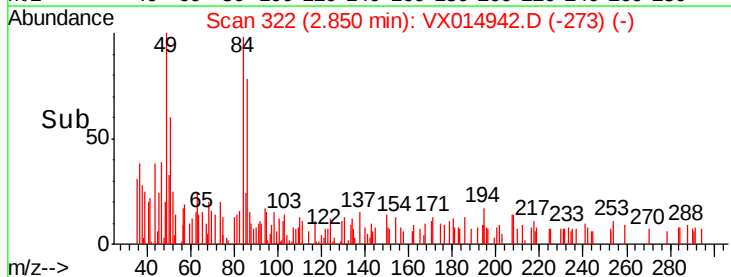
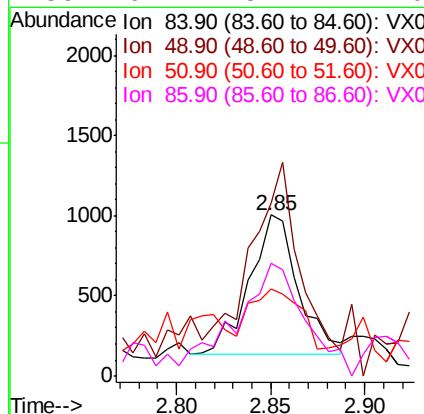
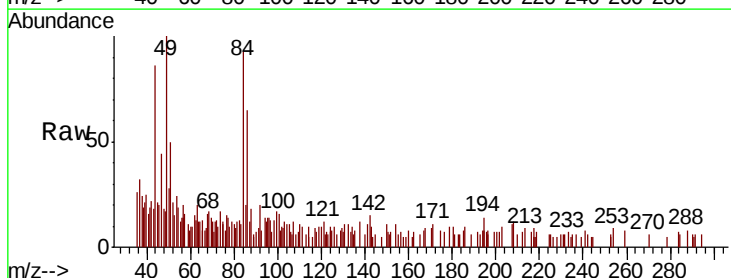
Instrument :
MSVOA_X
ClientSampled :

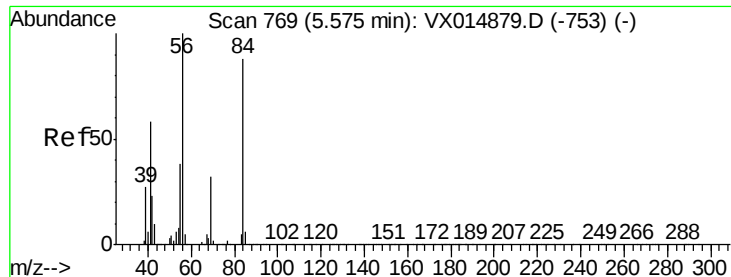
Tot Ion: 43 Resp: 1443
Ion Ratio Lower Upper
43 100
74 4.2 19.4 29.0#



#20
Methylene Chloride
Concen: 0.311 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014942.D
Acq: 14 Feb 2020 13:17

Tgt Ion: 84 Resp: 1563
Ion Ratio Lower Upper
84 100
49 106.1 95.6 143.4
51 40.6 29.0 43.6
86 62.4 51.4 77.0

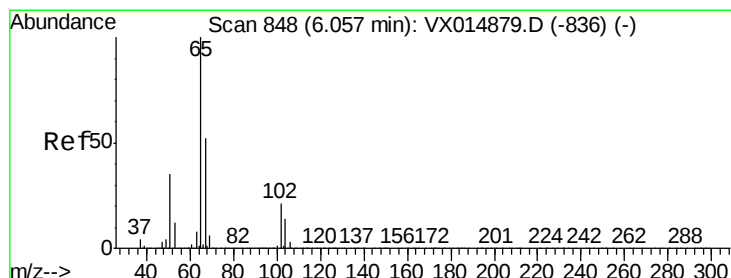
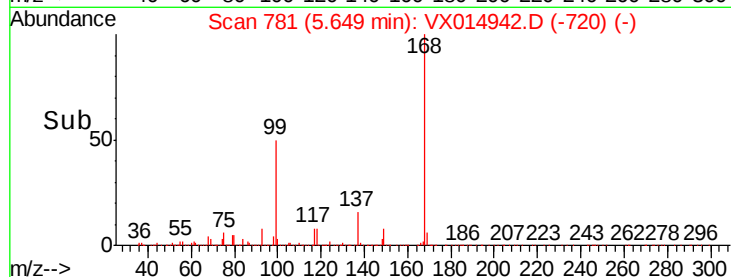
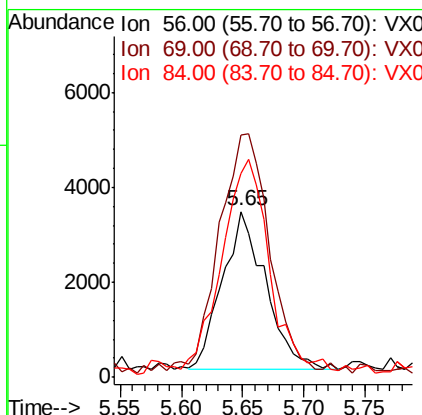
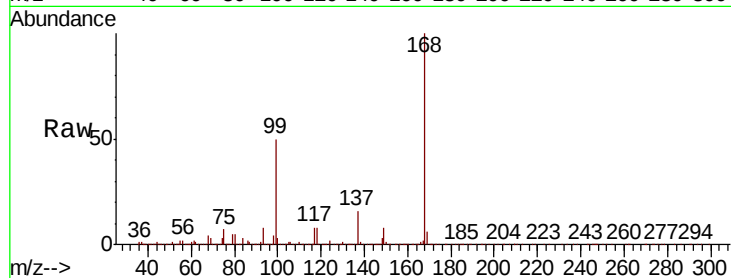




#31
Cyclohexane
Concen: 1.113 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.07 min
Lab File: VX014942.D
Acq: 14 Feb 2020 13:17

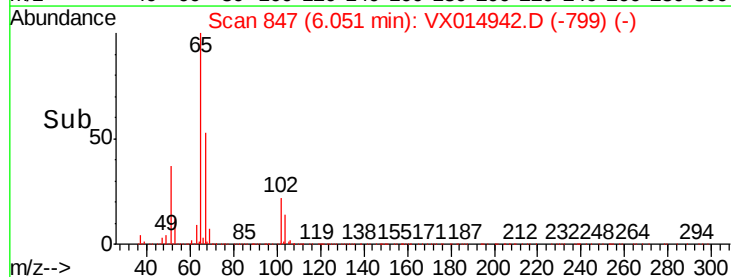
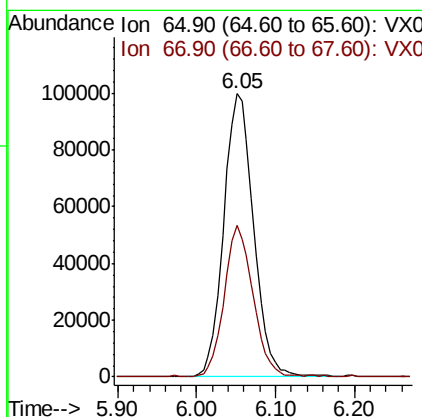
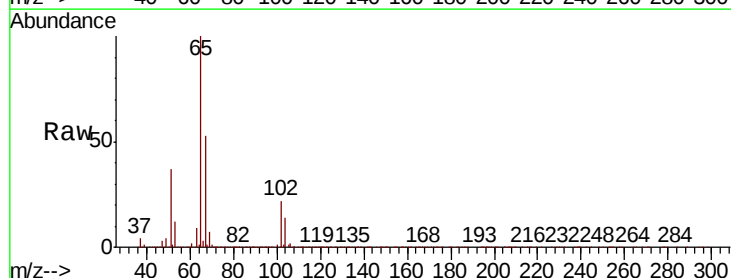
Instrument :
MSVOA_X
ClientSampleId :

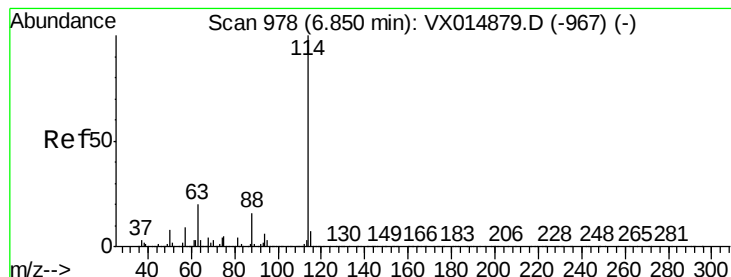
Tot Ion: 56 Resp: 8210
Ion Ratio Lower Upper
56 100
69 149.6 25.9 38.9#
84 124.7 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 50.285 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX014942.D
Acq: 14 Feb 2020 13:17

Tgt Ion: 65 Resp: 262398
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014942.D

Acq: 14 Feb 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

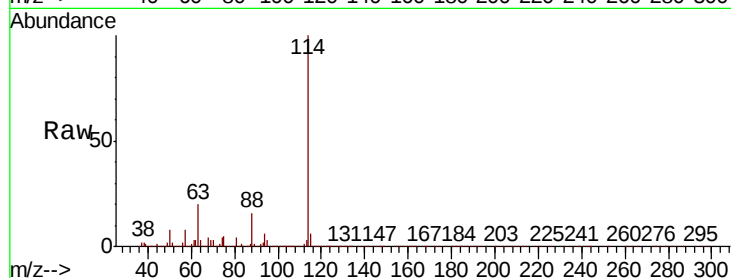
Tot Ion:114 Resp: 712114

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

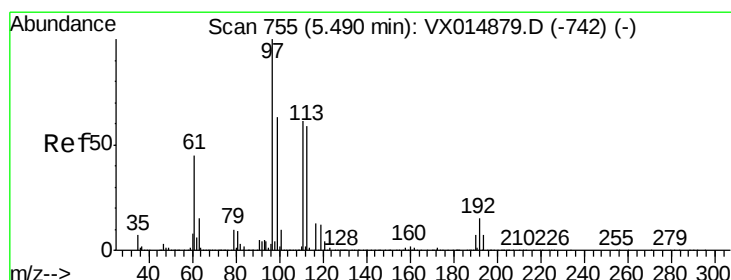
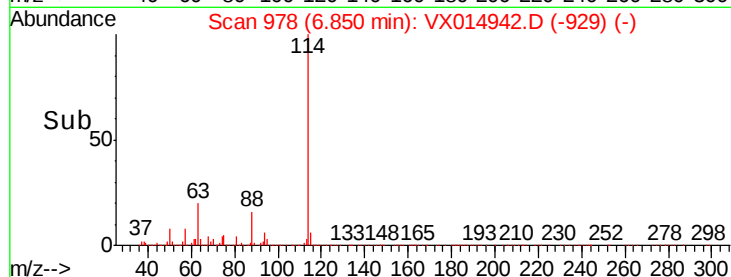
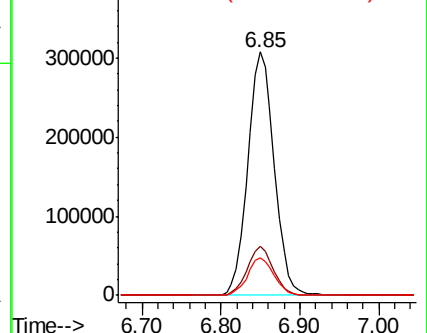
88 15.5 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.757 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014942.D

Acq: 14 Feb 2020 13:17

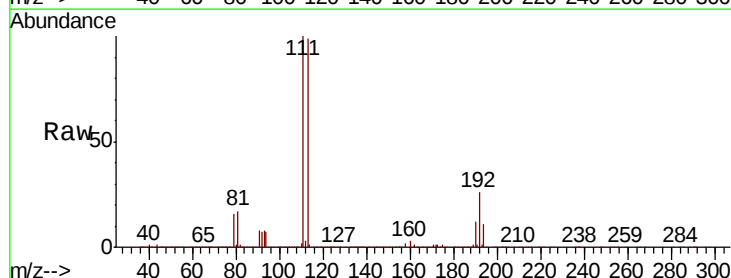
Tgt Ion:113 Resp: 217833

Ion Ratio Lower Upper

113 100

111 100.6 82.4 123.6

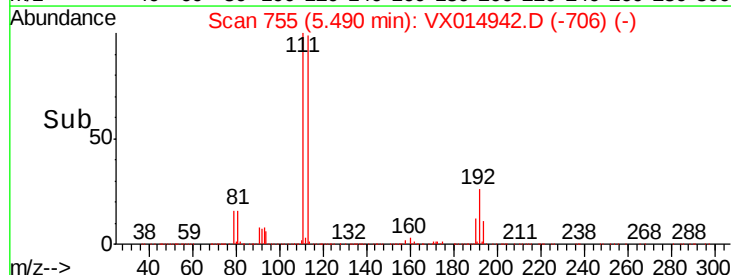
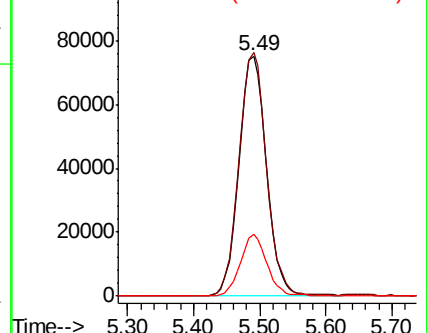
192 24.7 19.1 28.7

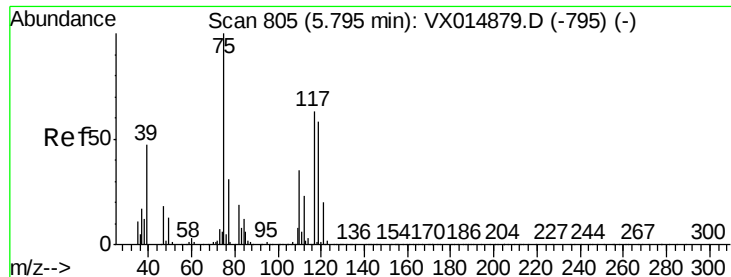


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.615 ug/l

RT: 5.65 min Scan# 781

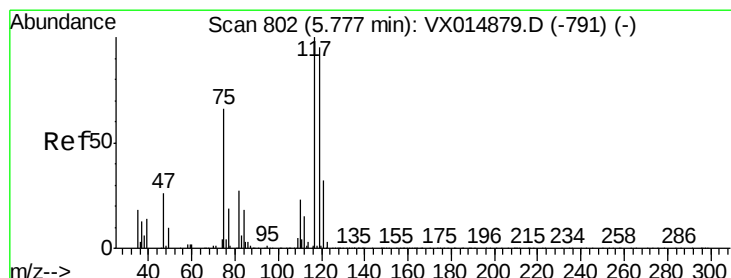
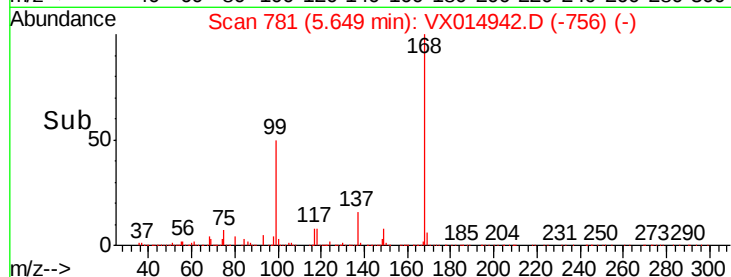
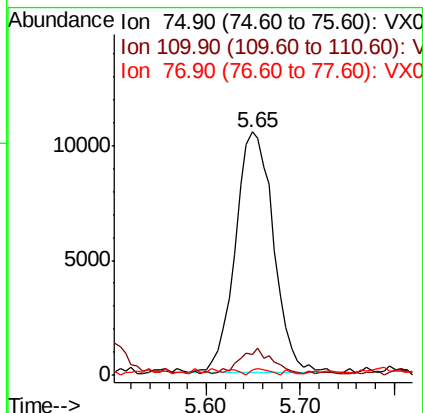
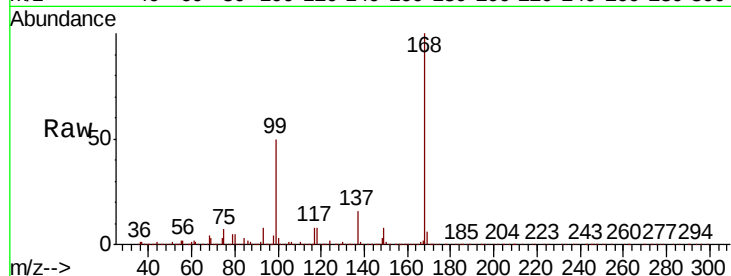
Delta R.T. -0.15 min

Lab File: VX014942.D

Acq: 14 Feb 2020 13:17

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	75	Resp:	29395
Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.3	54.8#
77	1.3	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 6.652 ug/l

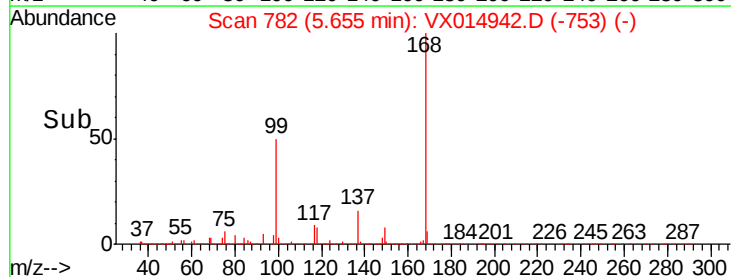
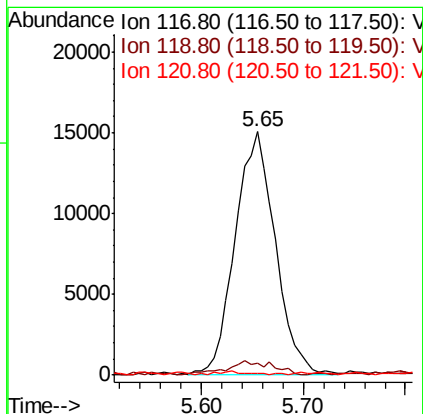
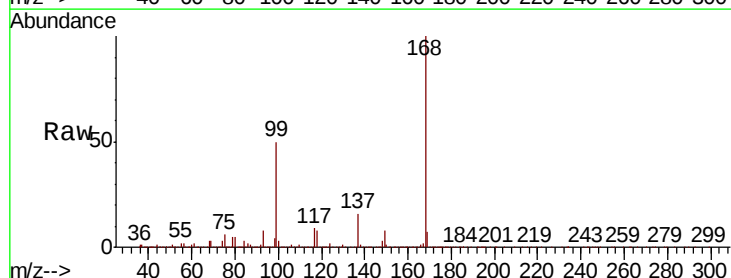
RT: 5.65 min Scan# 782

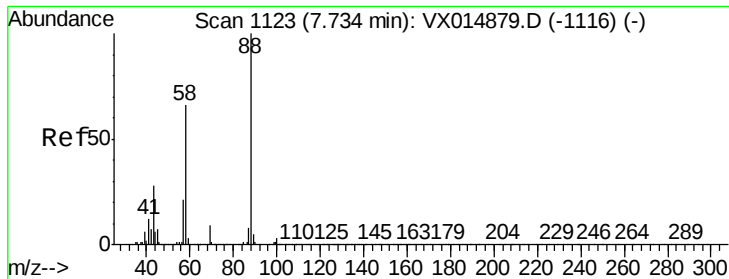
Delta R.T. -0.12 min

Lab File: VX014942.D

Acq: 14 Feb 2020 13:17

Tgt Ion:	117	Resp:	41294
Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.0	114.0#
121	0.1	25.4	38.2#

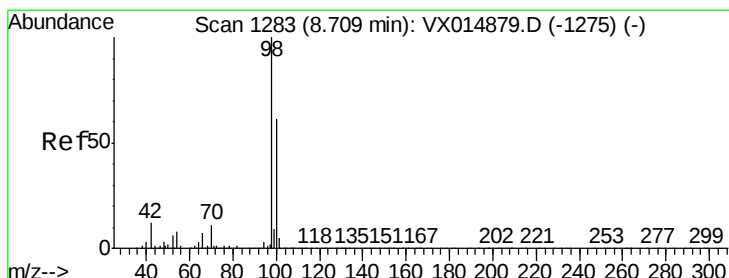
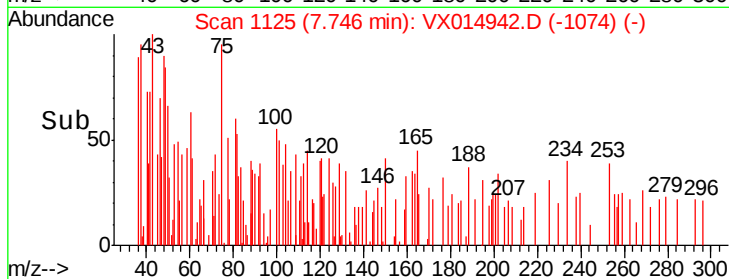
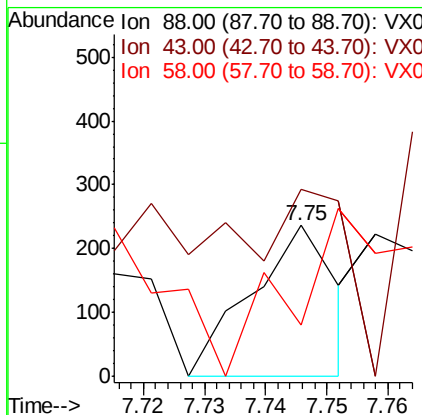
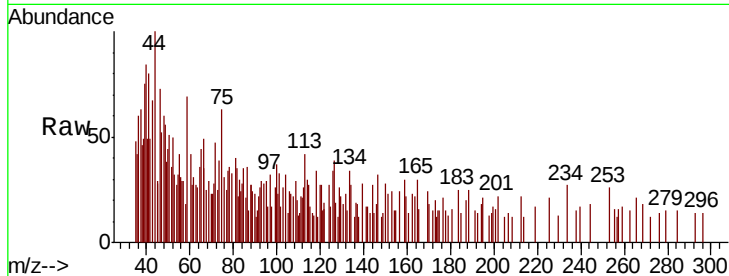




#49
1,4-Dioxane
Concen: 2.241 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX014942.D
Acq: 14 Feb 2020 13:17

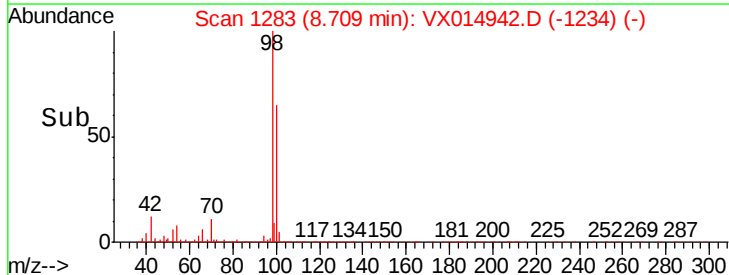
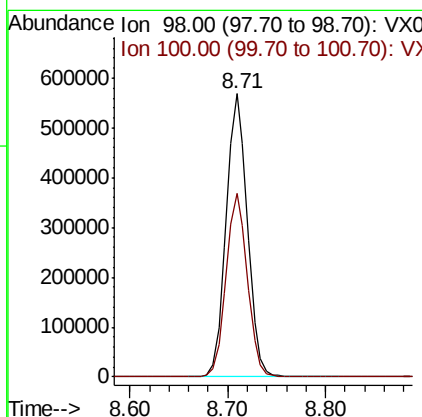
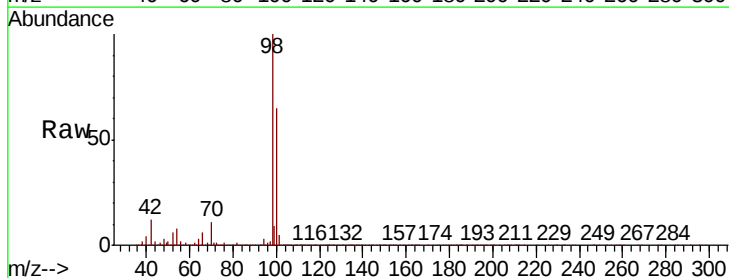
Instrument :
MSVOA_X
ClientSampled :

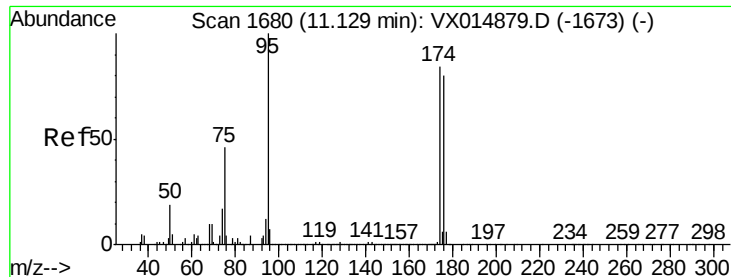
Tot Ion: 88 Resp: 226
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 0.0 53.2 79.8#



#50
Toluene-d8
Concen: 51.181 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014942.D
Acq: 14 Feb 2020 13:17

Tgt Ion: 98 Resp: 855284
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6

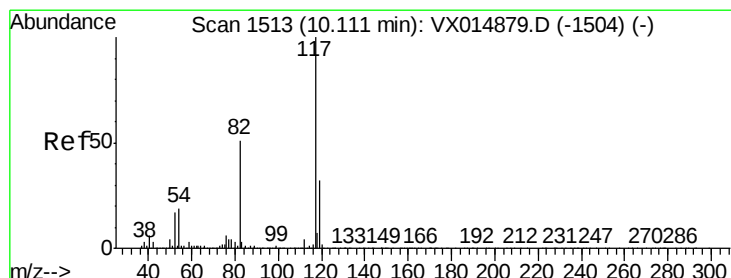
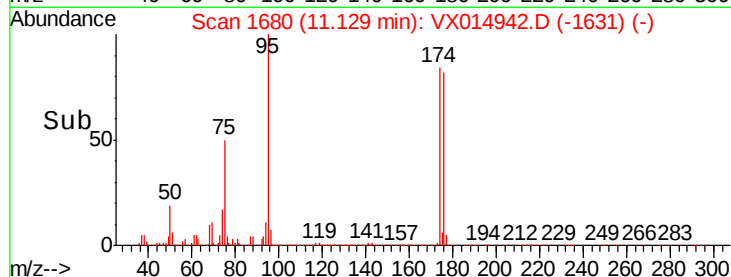
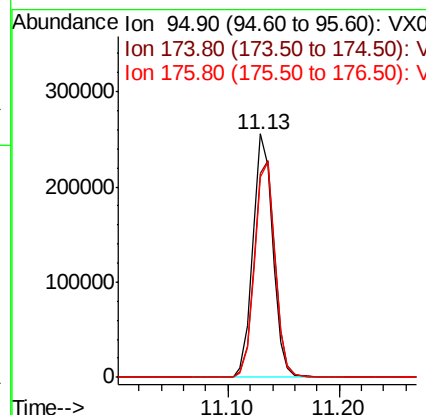
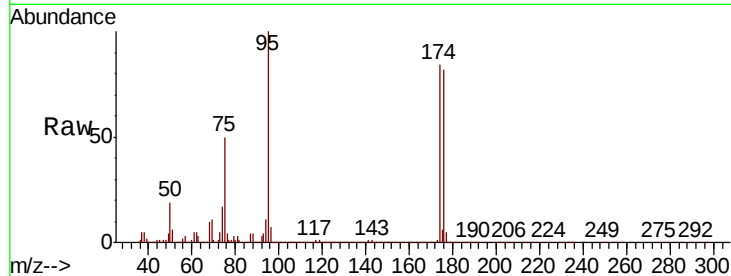




#62
4-Bromofluorobenzene
Concen: 52.757 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014942.D
Acq: 14 Feb 2020 13:17

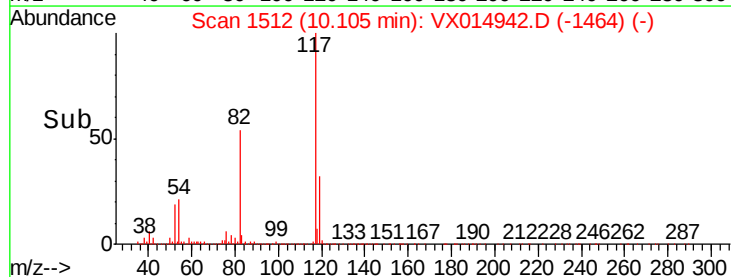
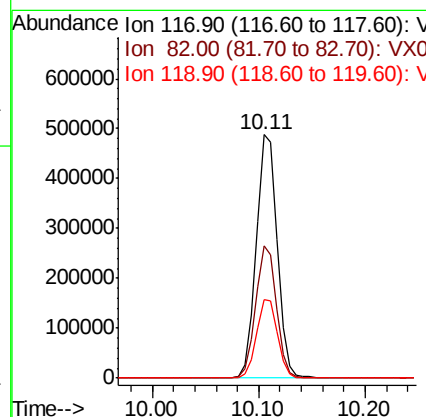
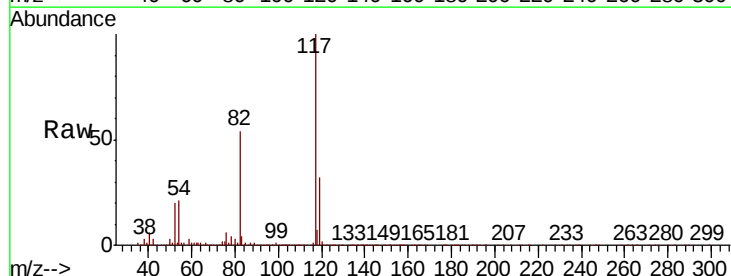
Instrument :
MSVOA_X
ClientSampleId :

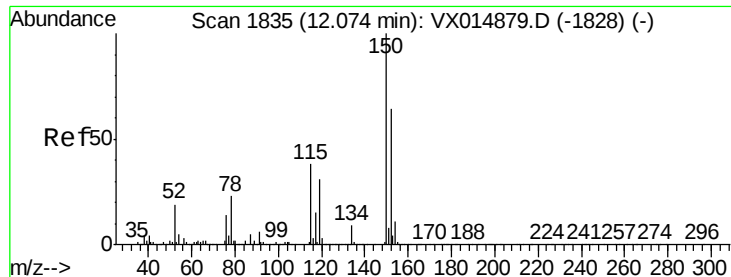
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.6	0.0	183.0
176	90.7	0.0	178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014942.D
Acq: 14 Feb 2020 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	40.5	60.7
119	32.3	25.8	38.6



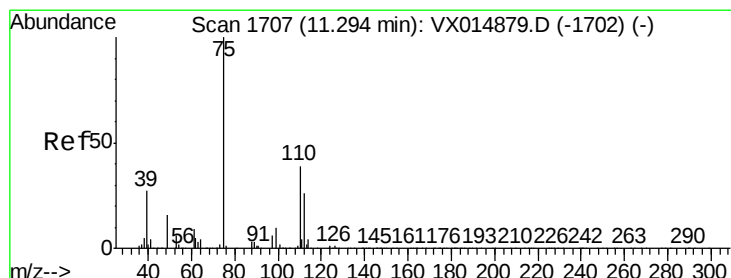
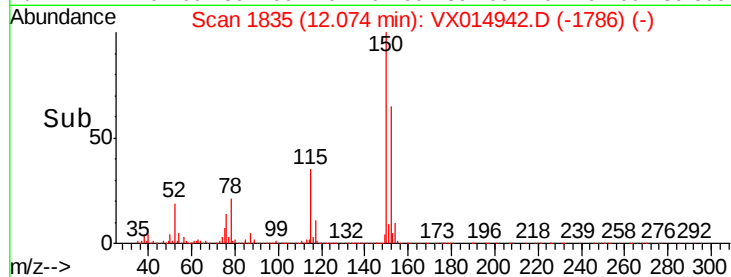
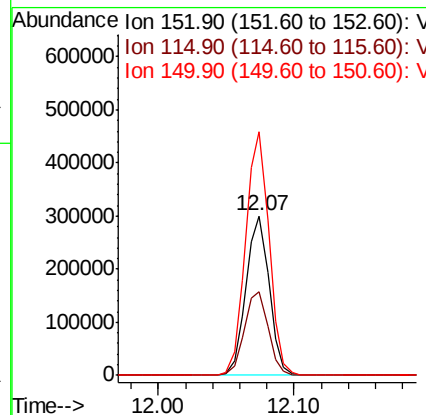
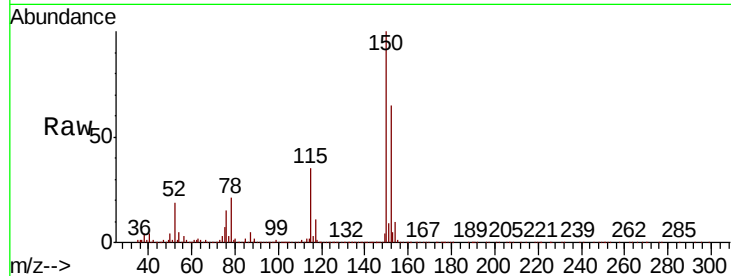


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014942.D
Acq: 14 Feb 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :

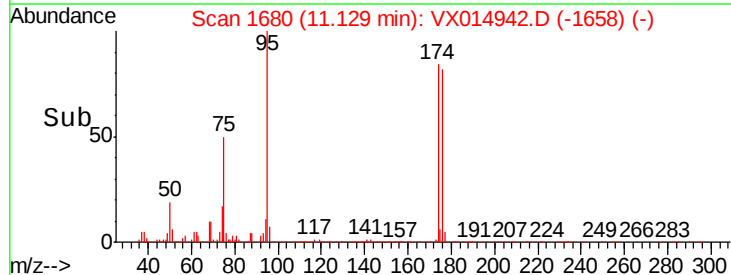
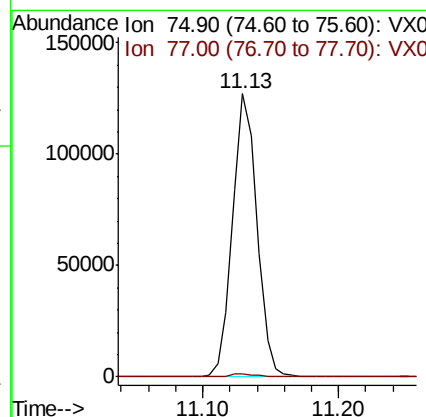
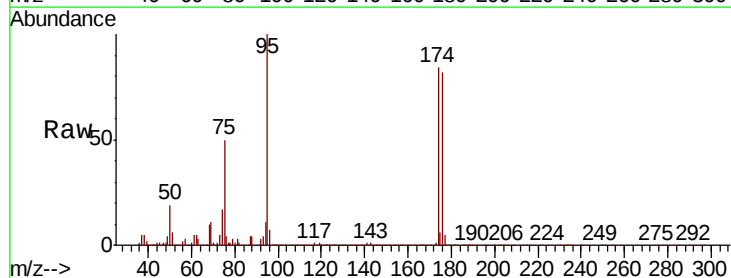
Tot Ion	Ratio	Lower	Upper
152	100		
115	53.9	38.6	116.0
150	154.2	0.0	349.0

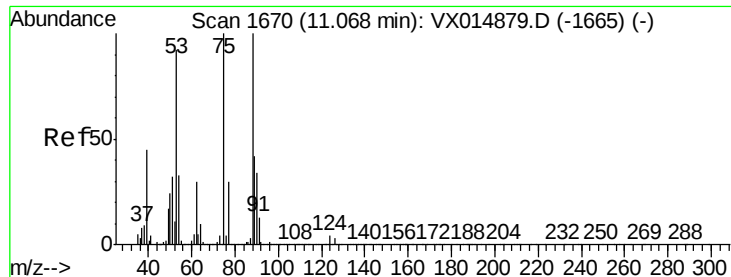


#76

1,2,3-Trichloropropane
Concen: 24.490 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014942.D
Acq: 14 Feb 2020 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	18.4	55.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.686 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014942.D

Acq: 14 Feb 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

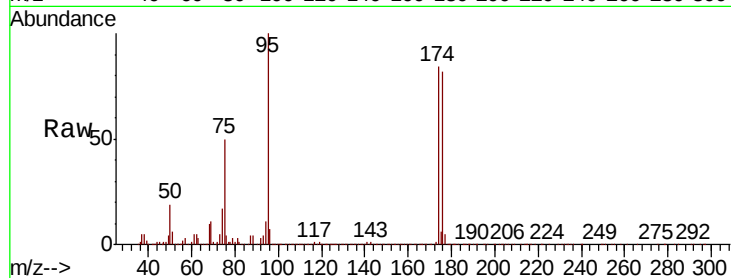
Tot Ion: 75 Resp: 158466

Ion Ratio Lower Upper

75 100

53 0.5 76.2 114.2#

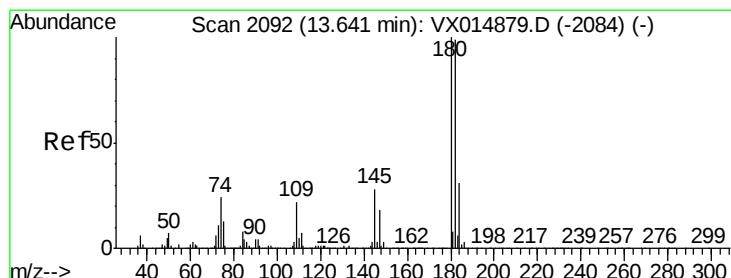
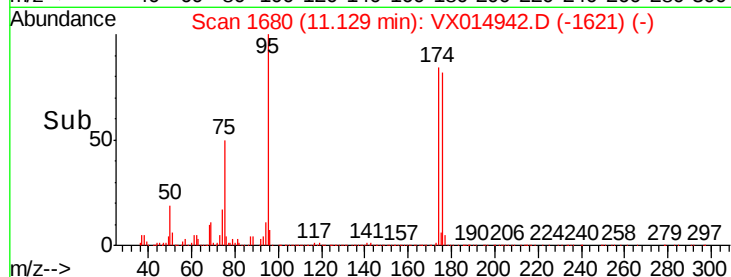
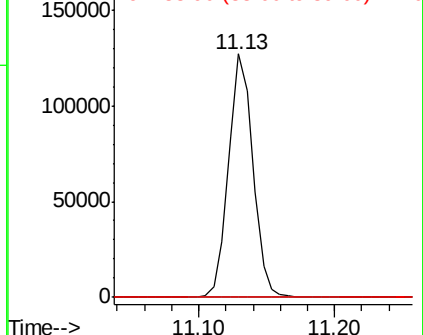
89 0.0 35.8 53.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.216 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX014942.D

Acq: 14 Feb 2020 13:17

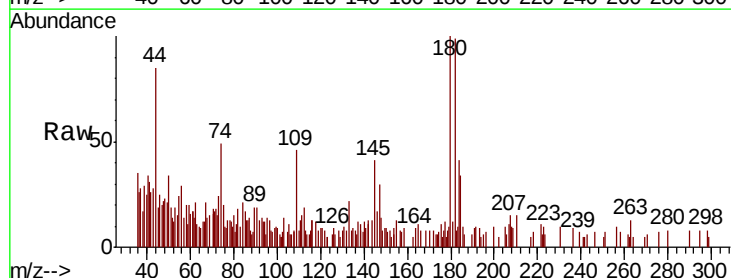
Tgt Ion:180 Resp: 1758

Ion Ratio Lower Upper

180 100

182 97.2 48.4 145.3

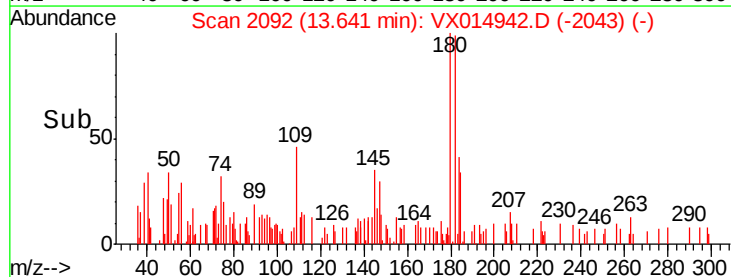
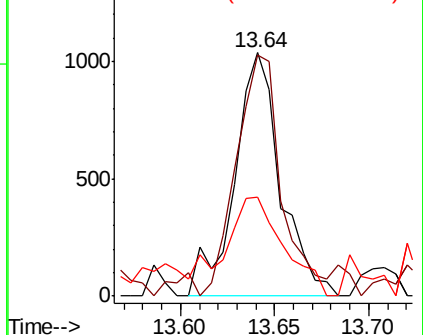
145 52.5 14.1 42.4#

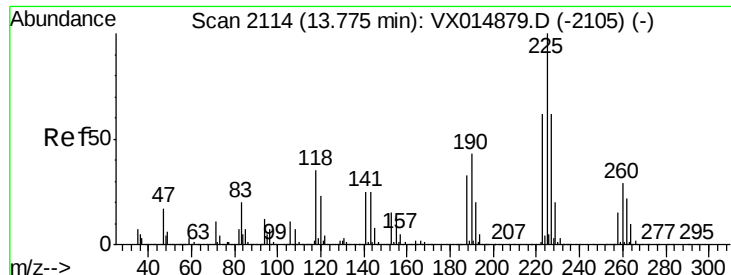


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.213 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX014942.D

Acq: 14 Feb 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

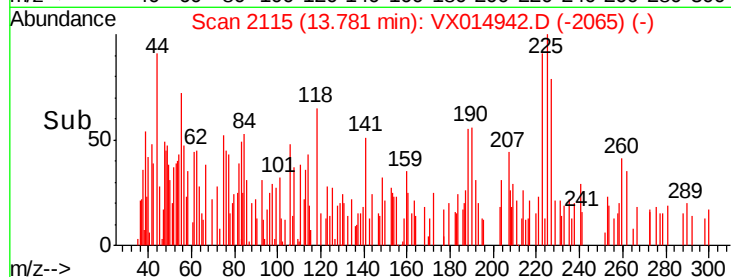
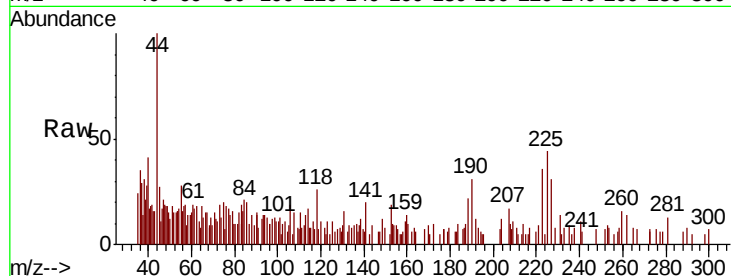
Tot Ion:225 Resp: 838

Ion Ratio Lower Upper

225 100

223 74.5 31.1 93.2

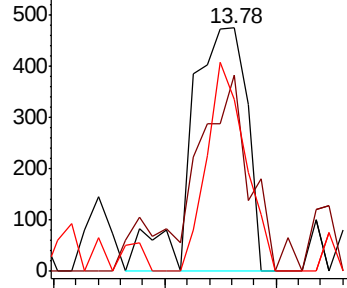
227 59.1 30.9 92.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time--> 13.70 13.75 13.80