

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010320\
 Data File : VX014412.D
 Acq On : 03 Jan 2020 19:43
 Operator : JC/SP
 Sample : PB125870ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 06 02:35:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	562641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	853711	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	768876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	351371	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	300711	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
35) Dibromofluoromethane	5.49	113	249980	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
50) Toluene-d8	8.71	98	1012739	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	11.13	95	344708	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	

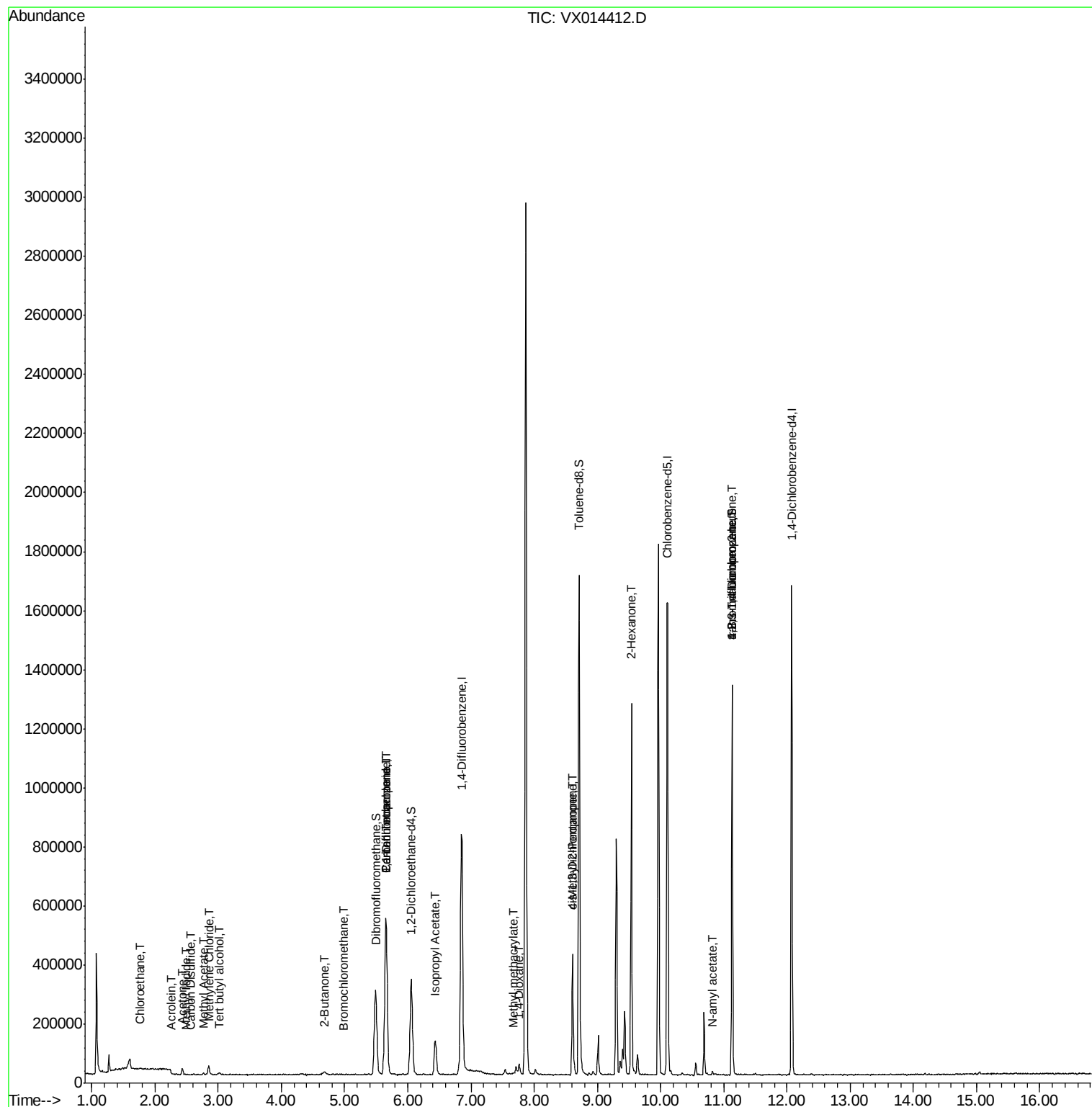
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.76	64	1073	0.244	ug/l #	65
10) Methyl Iodide	2.50	142	529	2.692	ug/l #	53
11) Tert butyl alcohol	3.01	59	5415	3.930	ug/l	95
13) Acrolein	2.27	56	160	0.203	ug/l #	14
16) Acetone	2.43	43	22203	5.363	ug/l	94
17) Carbon Disulfide	2.56	76	1346	0.838	ug/l #	1
18) Methyl Acetate	2.76	43	7812	0.952	ug/l	93
20) Methylene Chloride	2.85	84	15877	2.435	ug/l	91
25) 2-Butanone	4.68	43	4508	0.883	ug/l #	69
28) Bromochloromethane	5.00	49	564	0.589	ug/l #	57
36) 1,1-Dichloropropene	5.65	75	37477	4.784	ug/l #	50
38) Carbon Tetrachloride	5.65	117	47217	6.617	ug/l #	16
43) Isopropyl Acetate	6.43	43	164366	11.482	ug/l	99
48) Methyl methacrylate	7.67	41	8533	1.217	ug/l #	18
49) 1,4-Dioxane	7.76	88	509	3.568	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	144183	16.037	ug/l #	49
54) cis-1,3-Dichloropropene	8.61	75	70723	7.526	ug/l #	58
59) 2-Hexanone	9.54	43	145932	20.164	ug/l #	53
74) N-amyl acetate	10.82	43	6264	0.540	ug/l #	42
76) 1,2,3-Trichloropropane	11.13	75	167581	21.969	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	167581	62.007	ug/l #	12

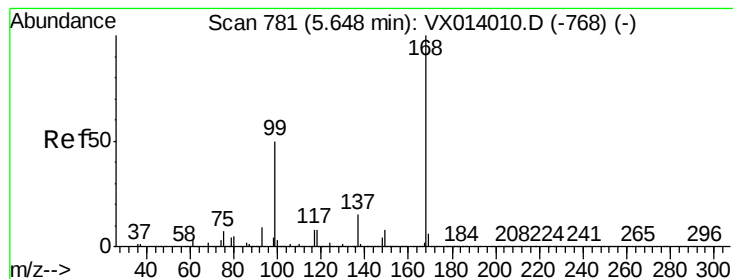
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010320\
Data File : VX014412.D
Acq On : 03 Jan 2020 19:43
Operator : JC/SP
Sample : PB125870ZHE#01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 06 02:35:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014412.D

Acq: 03 Jan 2020 19:43

Instrument :

MSVOA_X

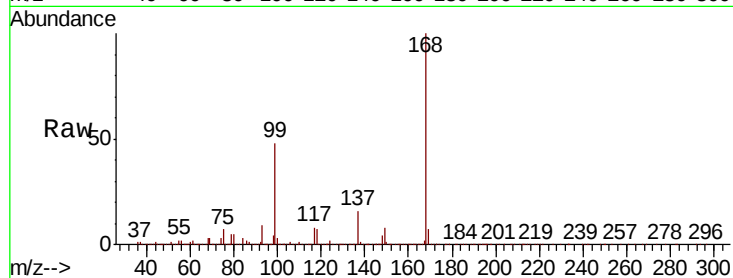
ClientSampled :

Tot Ion:168 Resp: 562641

Ion Ratio Lower Upper

168 100

99 48.0 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

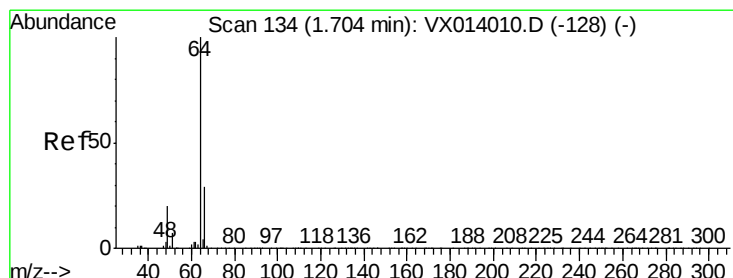
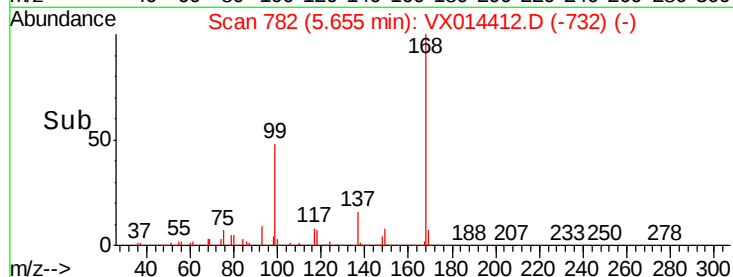
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.244 ug/l

RT: 1.76 min Scan# 143

Delta R.T. 0.05 min

Lab File: VX014412.D

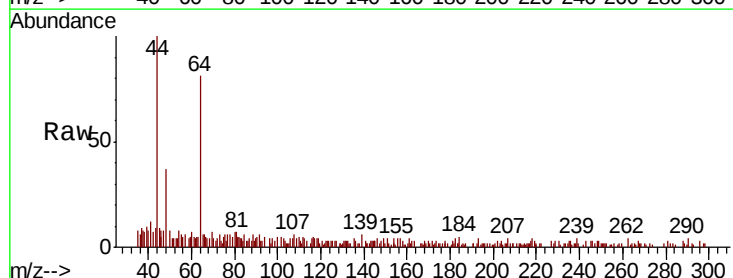
Acq: 03 Jan 2020 19:43

Tgt Ion: 64 Resp: 1073

Ion Ratio Lower Upper

64 100

66 10.3 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.76

4000

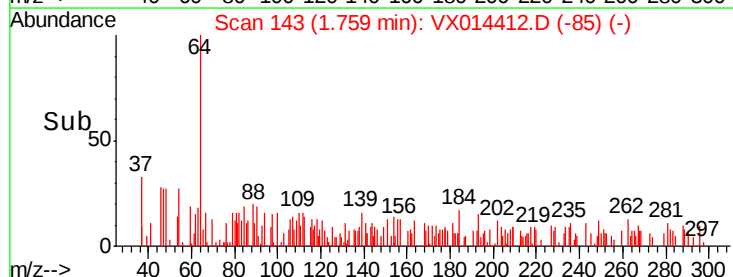
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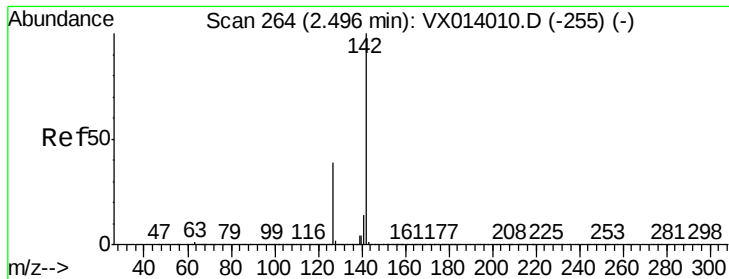
2000

1000

0

Time-->

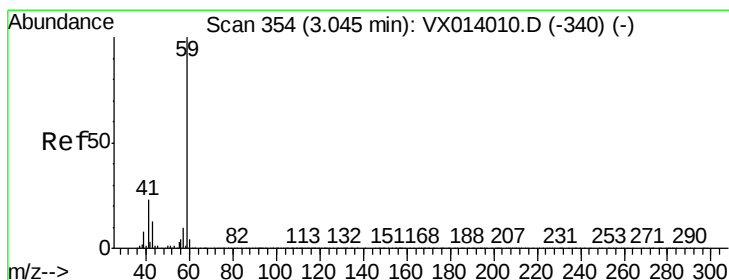
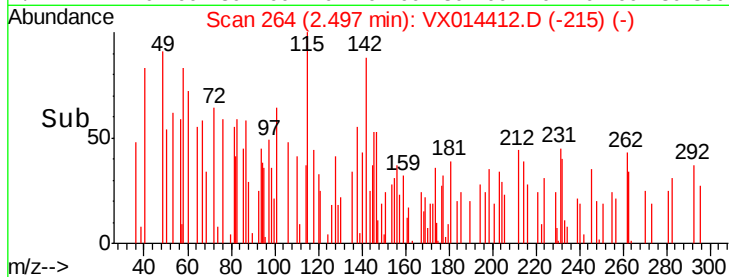
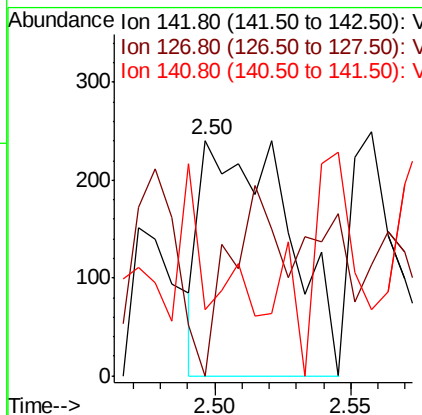
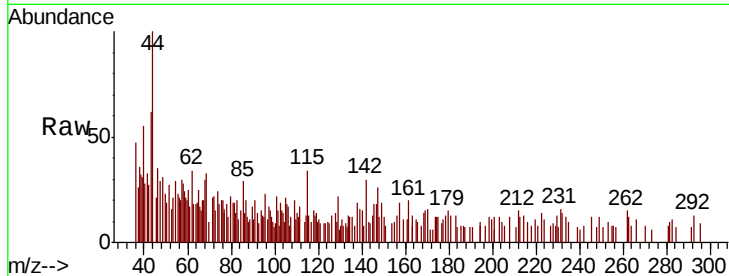




#10
Methvl Iodide
Concen: 2.692 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX014412.D
Acq: 03 Jan 2020 19:43

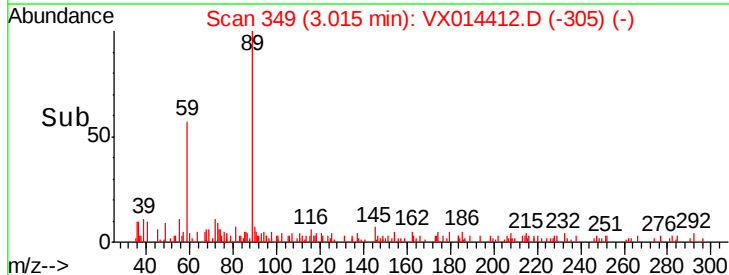
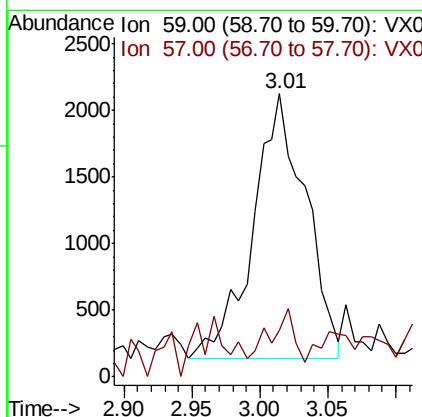
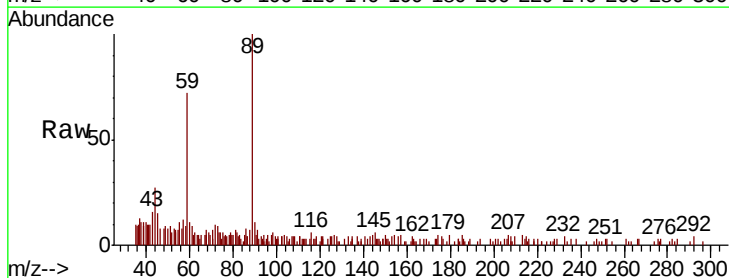
Instrument :
MSVOA_X
ClientSampled :

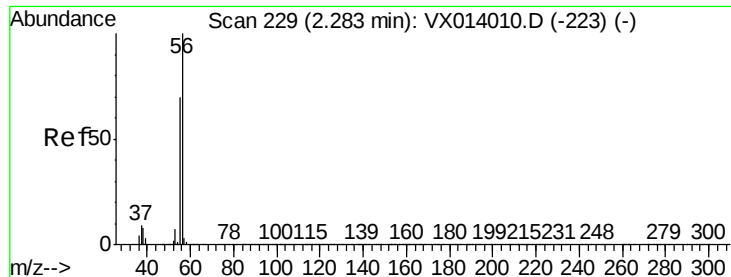
Tot Ion:142 Resp: 529
Ion Ratio Lower Upper
142 100
127 0.0 31.6 47.4#
141 14.2 11.6 17.4



#11
Tert butyl alcohol
Concen: 3.930 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.03 min
Lab File: VX014412.D
Acq: 03 Jan 2020 19:43

Tgt Ion: 59 Resp: 5415
Ion Ratio Lower Upper
59 100
57 8.8 8.4 12.6

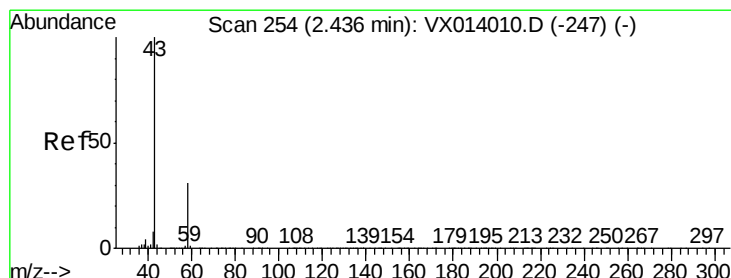
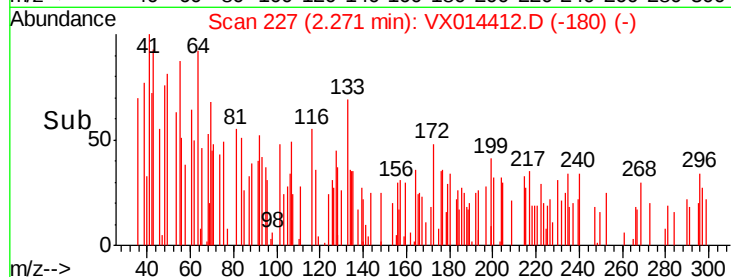
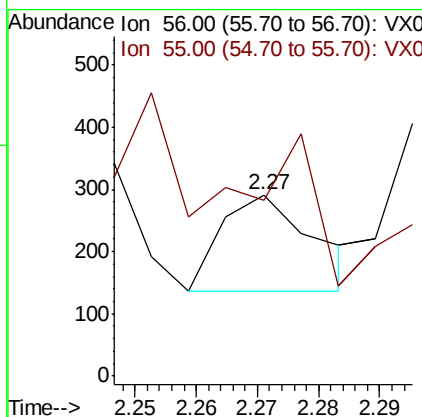
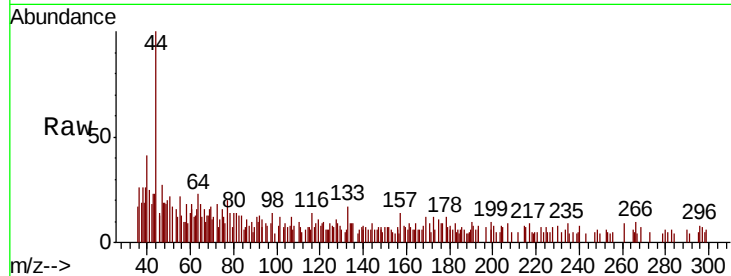




#13
Acrolein
Concen: 0.203 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX014412.D
Acq: 03 Jan 2020 19:43

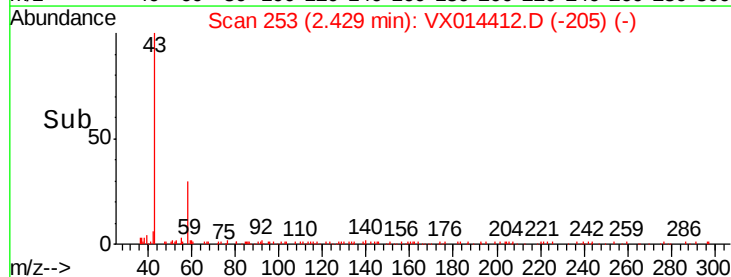
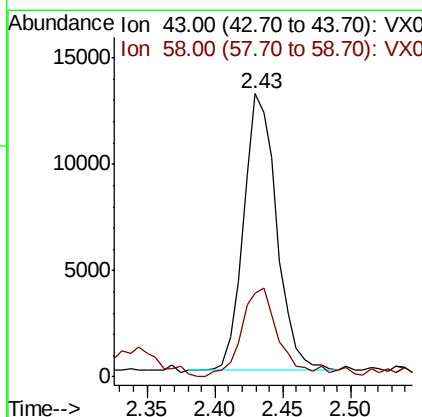
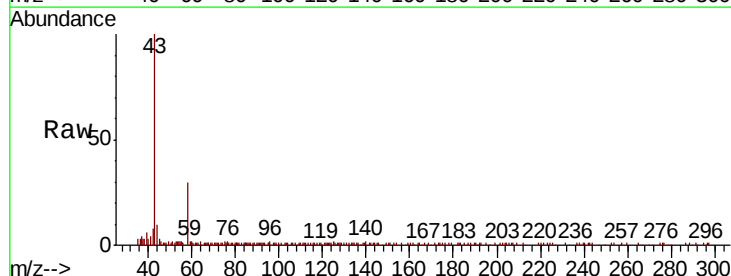
Instrument :
MSVOA_X
ClientSampled :

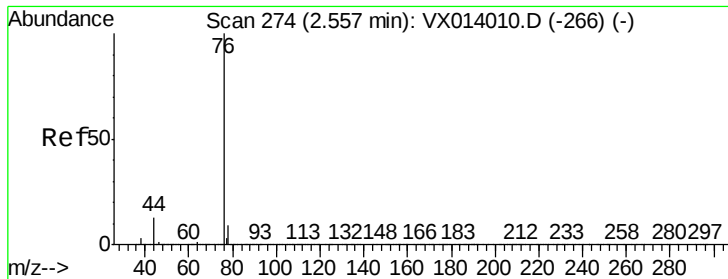
Tot Ion: 56 Resp: 160
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#16
Acetone
Concen: 5.363 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014412.D
Acq: 03 Jan 2020 19:43

Tgt Ion: 43 Resp: 22203
Ion Ratio Lower Upper
43 100
58 28.0 24.9 37.3





#17

Carbon Disulfide

Concen: 0.838 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014412.D

Acq: 03 Jan 2020 19:43

Instrument :

MSVOA_X

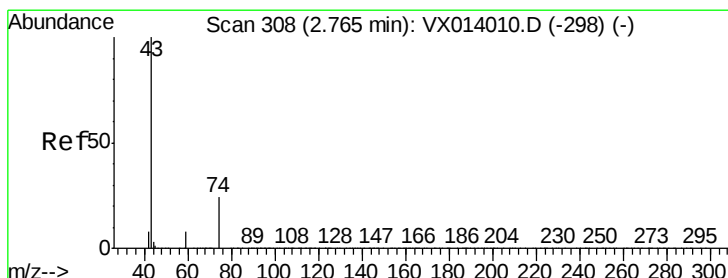
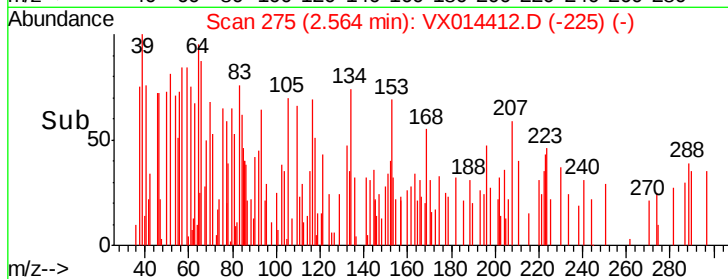
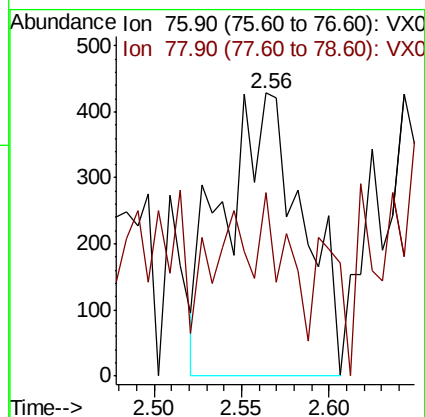
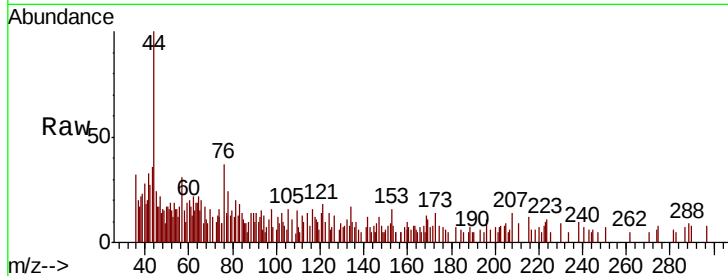
ClientSampled :

Tot Ion: 76 Resp: 1346

Ion Ratio Lower Upper

76 100

78 49.8 7.2 10.8#



#18

Methyl Acetate

Concen: 0.952 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014412.D

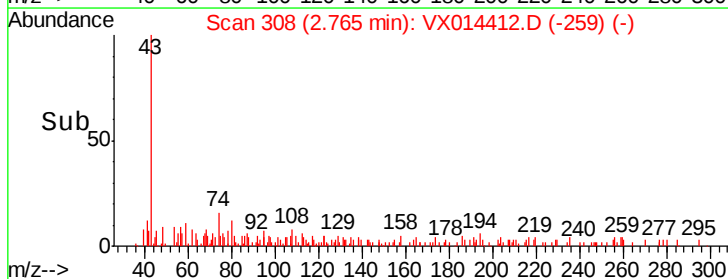
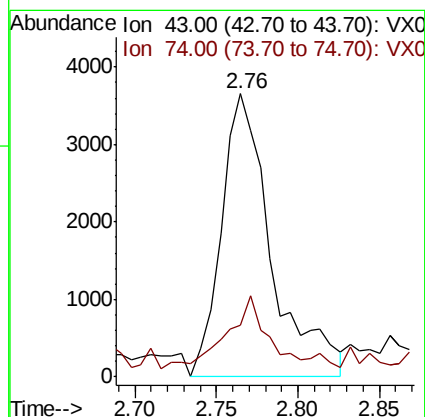
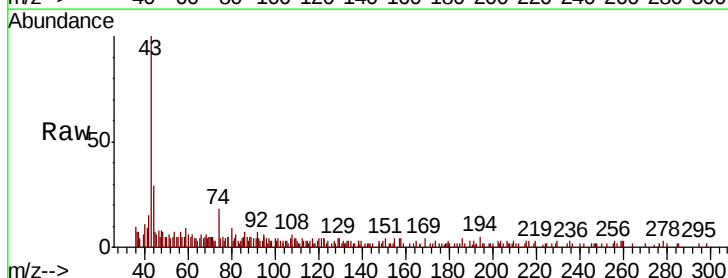
Acq: 03 Jan 2020 19:43

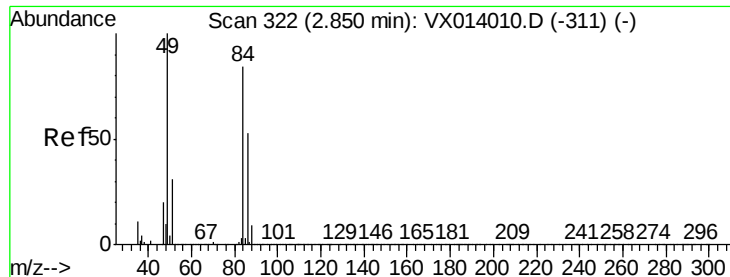
Tgt Ion: 43 Resp: 7812

Ion Ratio Lower Upper

43 100

74 20.7 19.5 29.3

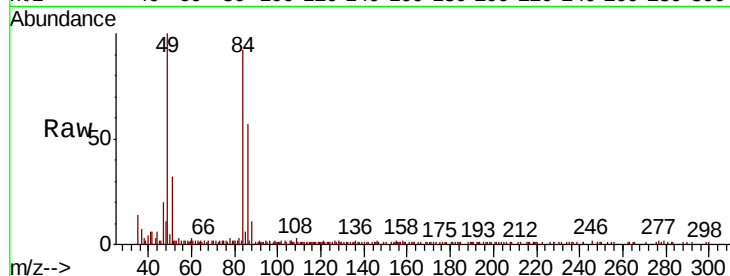




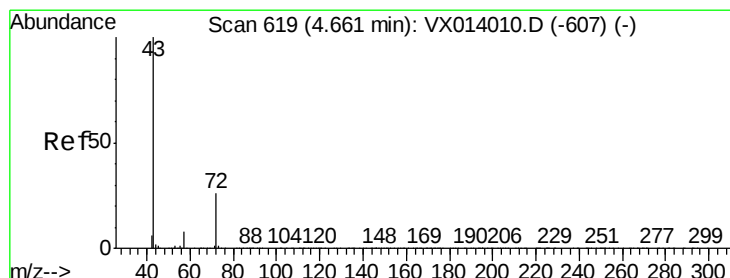
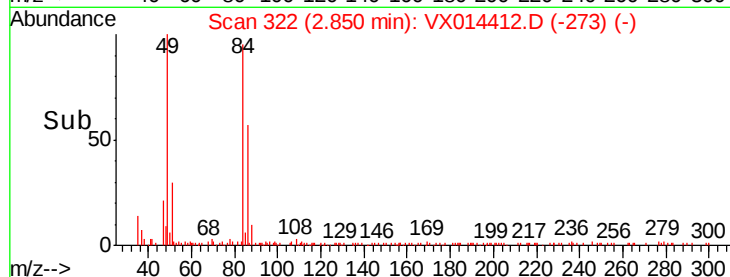
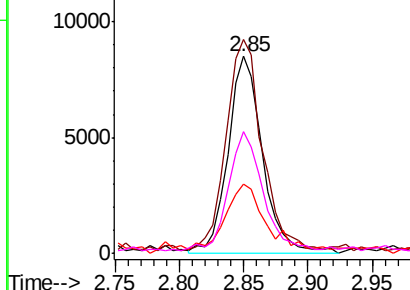
#20
Methvlene Chloride
Concen: 2.435 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014412.D
Acq: 03 Jan 2020 19:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	15877
Ion	Ratio	Lower	Upper
84	100		
49	106.6	95.8	143.6
51	32.7	29.8	44.8
86	59.6	50.8	76.2

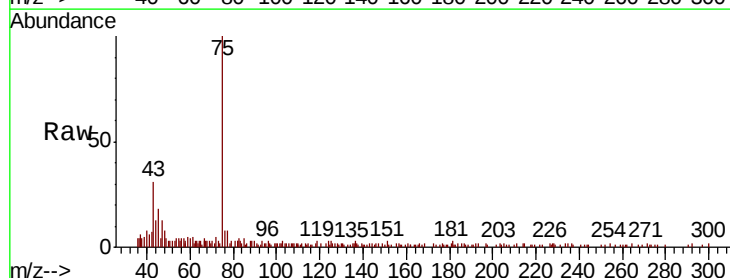


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

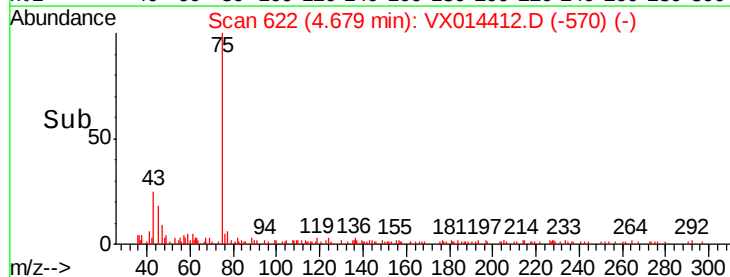
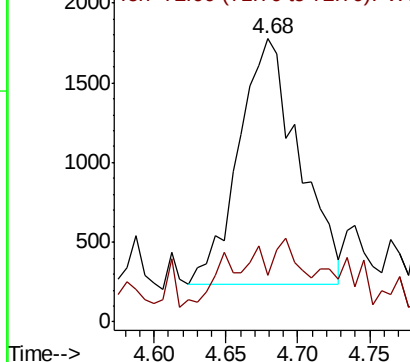


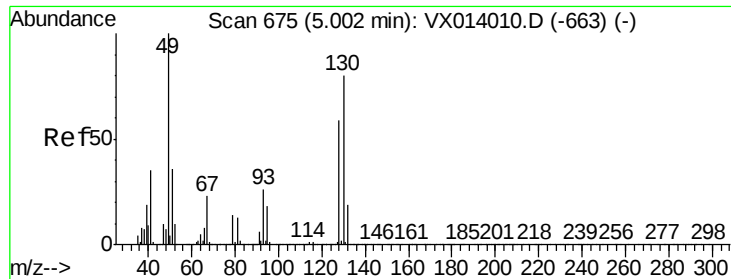
#25
2-Butanone
Concen: 0.883 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014412.D
Acq: 03 Jan 2020 19:43

Tgt Ion:	43	Resp:	4508
Ion	Ratio	Lower	Upper
43	100		
72	10.1	21.0	31.4#



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

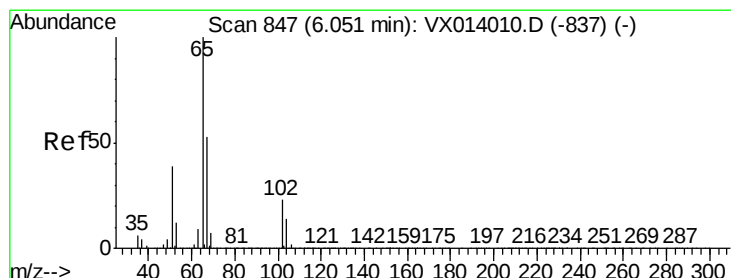
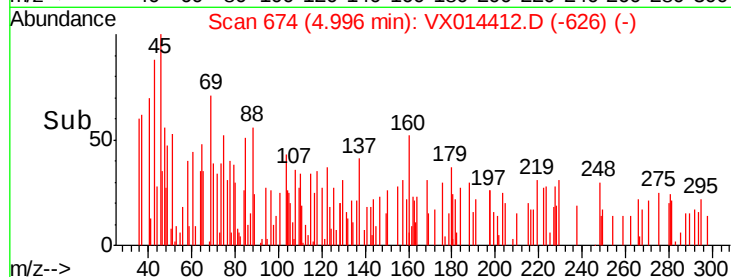
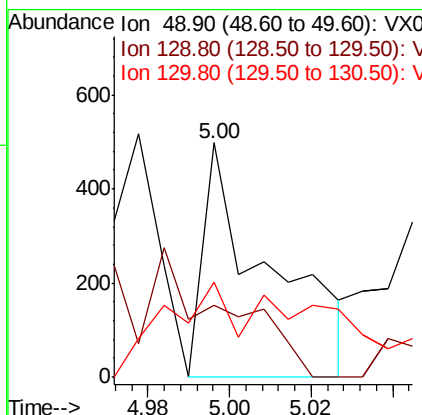
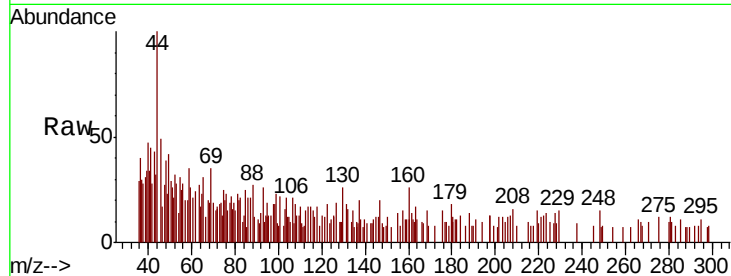




#28
Bromochloromethane
Concen: 0.589 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX014412.D
Acq: 03 Jan 2020 19:43

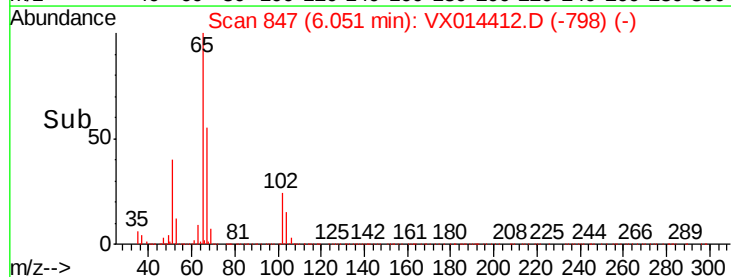
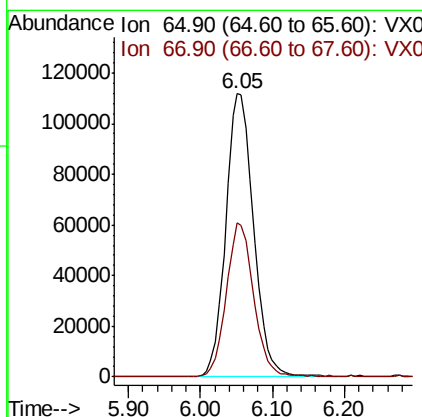
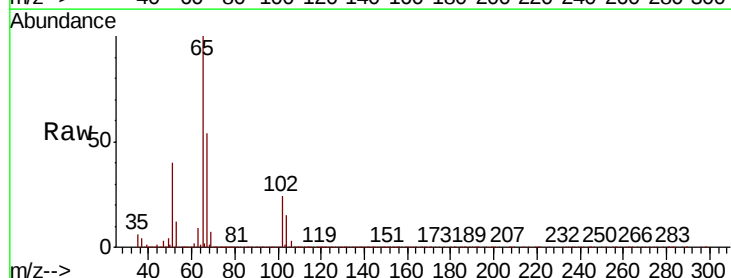
Instrument :
MSVOA_X
ClientSampleId :

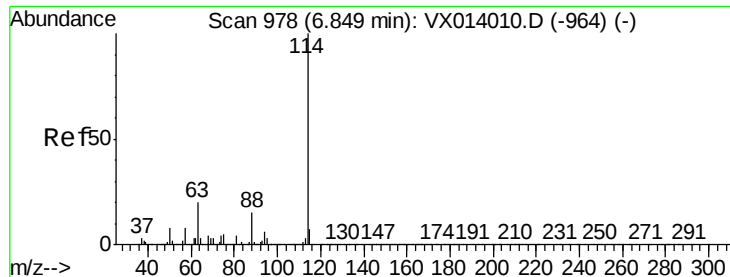
Tot Ion: 49 Resp: 564
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.0
130 41.3 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 47.157 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014412.D
Acq: 03 Jan 2020 19:43

Tgt Ion: 65 Resp: 300711
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014412.D

Acq: 03 Jan 2020 19:43

Instrument :

MSVOA_X

ClientSampleId :

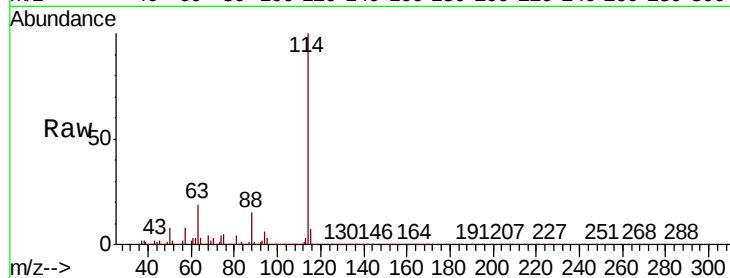
Tot Ion:114 Resp: 853711

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

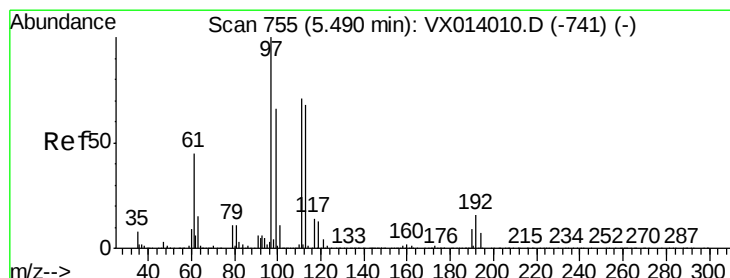
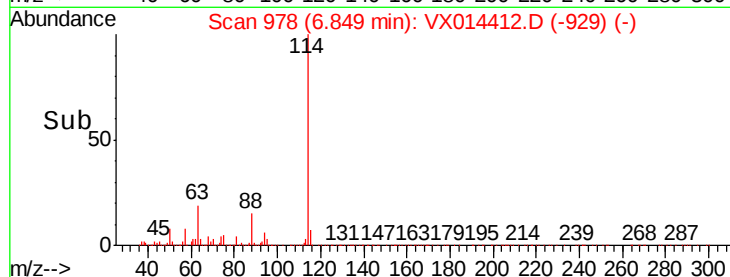
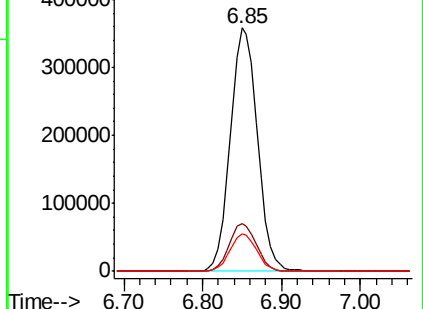
88 15.2 0.0 30.4



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: 48.169 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014412.D

Acq: 03 Jan 2020 19:43

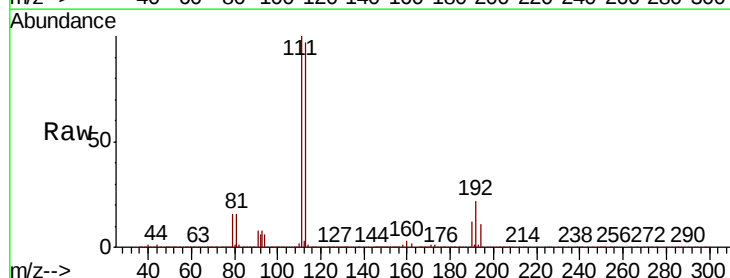
Tgt Ion:113 Resp: 249980

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

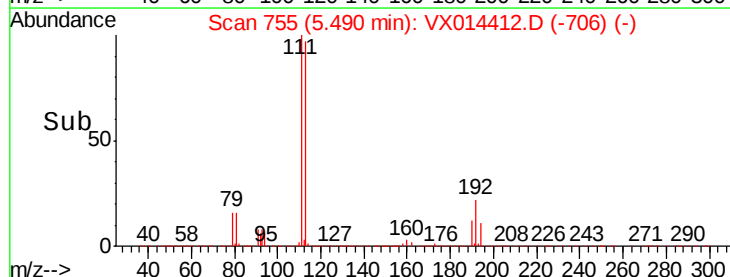
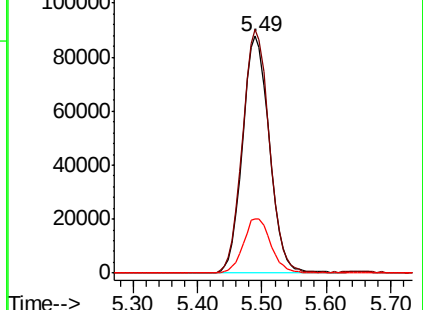
192 23.1 19.3 28.9

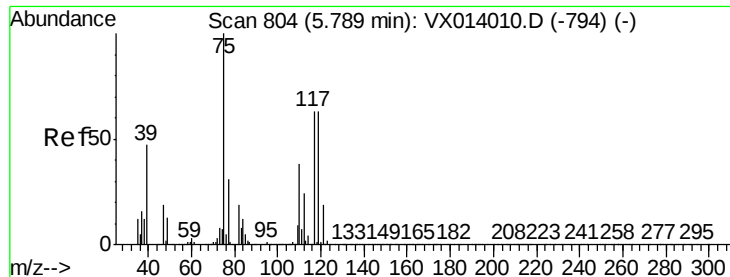


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.784 ug/l

RT: 5.65 min Scan# 781

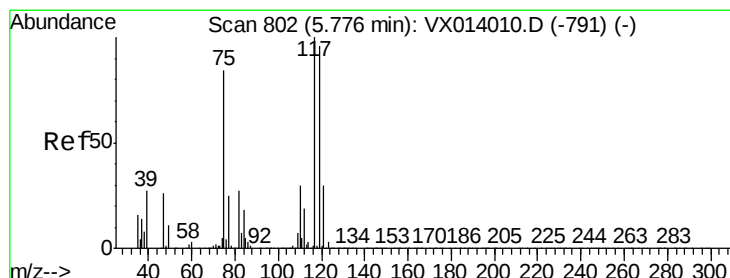
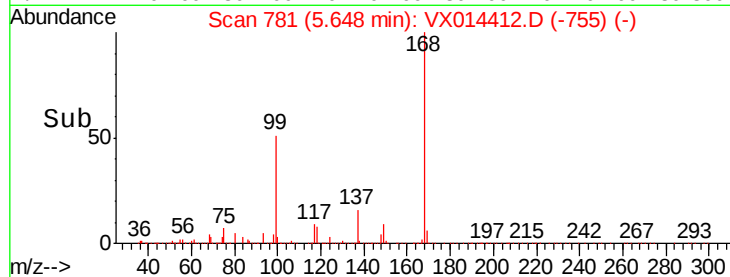
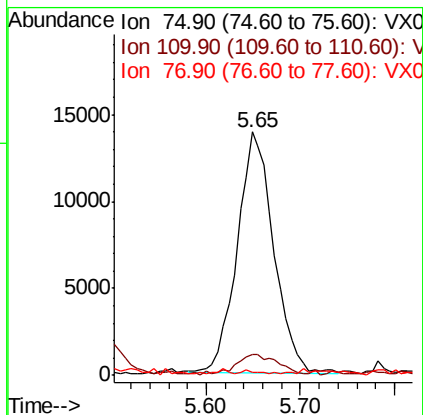
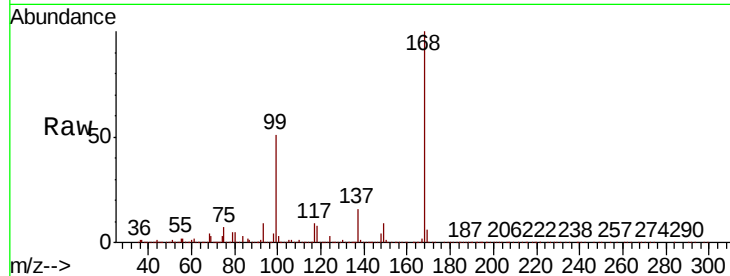
Delta R.T. -0.14 min

Lab File: VX014412.D

Acq: 03 Jan 2020 19:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	37477
Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.3	54.9#
77	0.5	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.617 ug/l

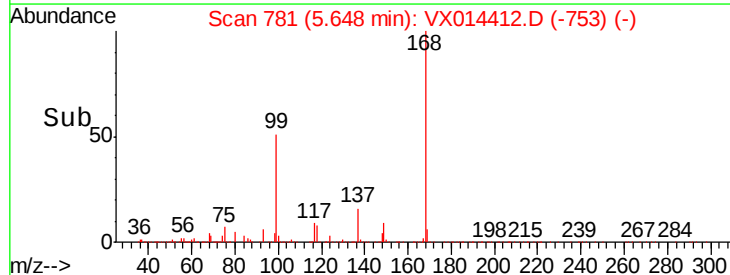
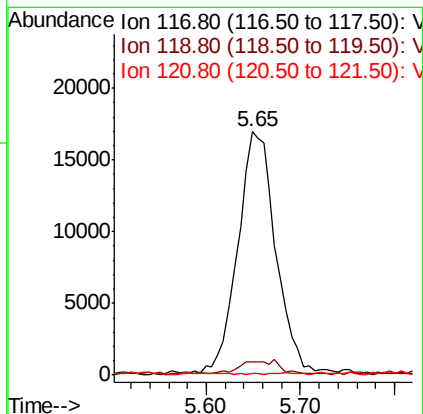
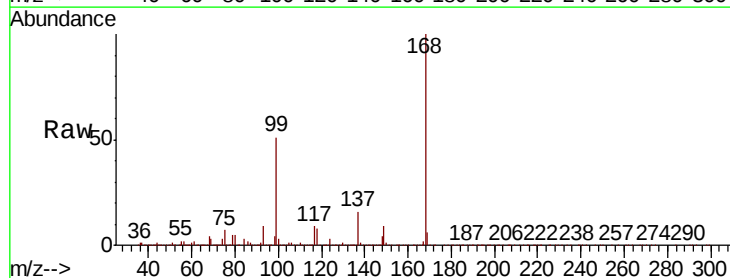
RT: 5.65 min Scan# 781

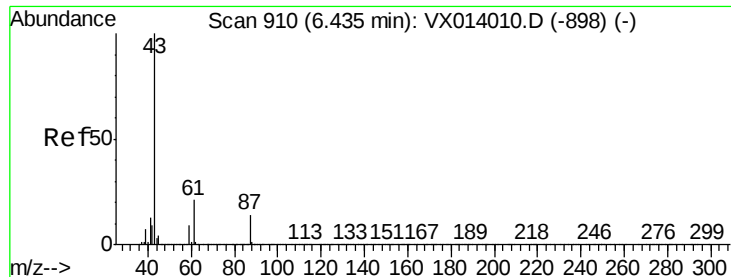
Delta R.T. -0.13 min

Lab File: VX014412.D

Acq: 03 Jan 2020 19:43

Tgt Ion:	117	Resp:	47217
Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.2	114.4#
121	0.2	23.6	35.4#



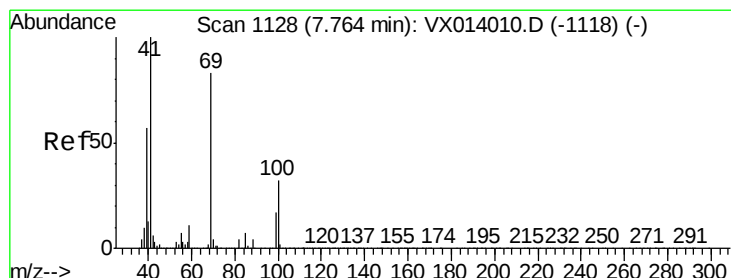
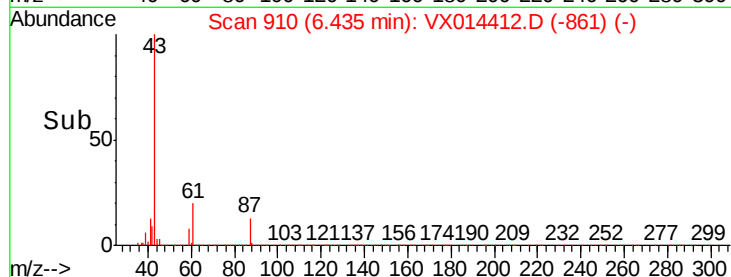
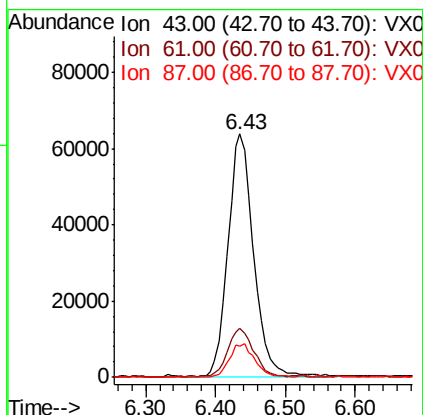
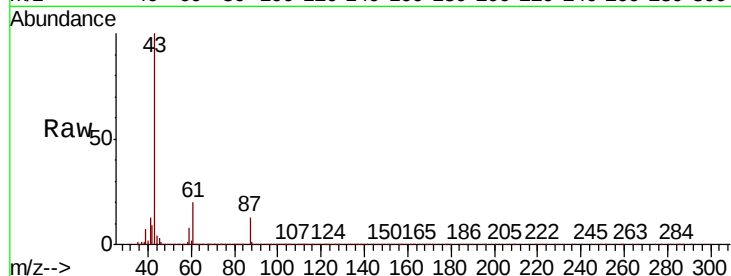


#43

Isopropyl Acetate
 Concen: 11.482 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014412.D
 Acq: 03 Jan 2020 19:43

Instrument :
 MSVOA_X
 ClientSampleId :

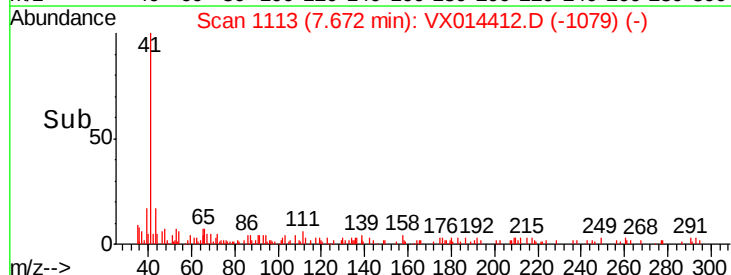
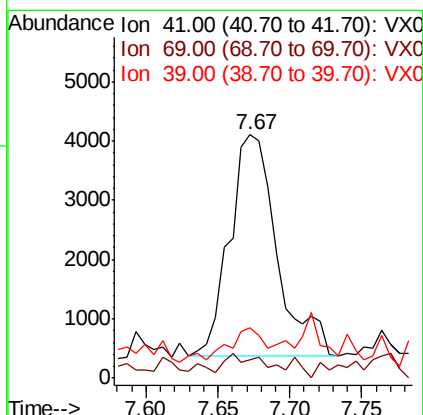
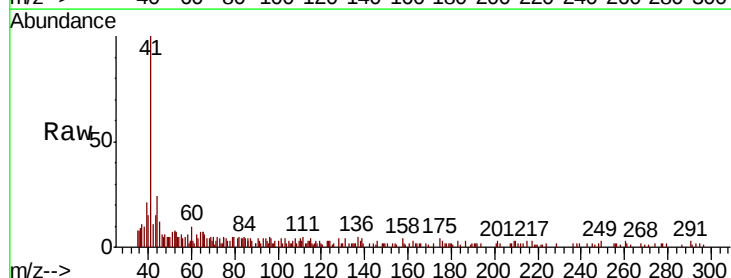
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.4	24.6
87	13.8	10.7	16.1

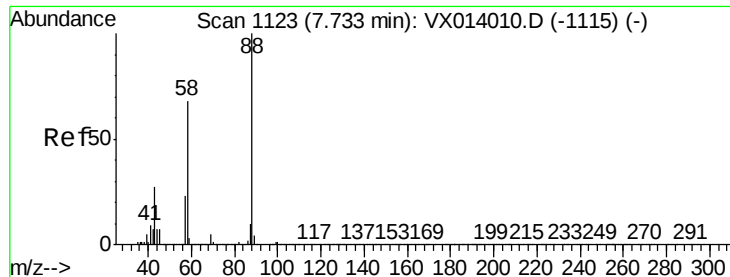


#48

Methyl methacrylate
 Concen: 1.217 ug/l
 RT: 7.67 min Scan# 1113
 Delta R.T. -0.09 min
 Lab File: VX014412.D
 Acq: 03 Jan 2020 19:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	5.7	65.8	98.6#
39	0.0	44.6	67.0#





#49

1,4-Dioxane

Concen: 3.568 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. 0.02 min

Lab File: VX014412.D

Acq: 03 Jan 2020 19:43

Instrument :

MSVOA_X

ClientSampled :

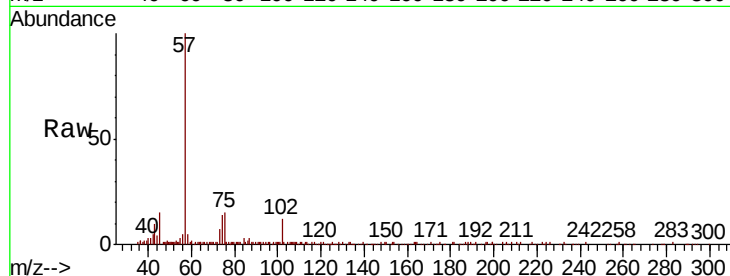
Tot Ion: 88 Resp: 509

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

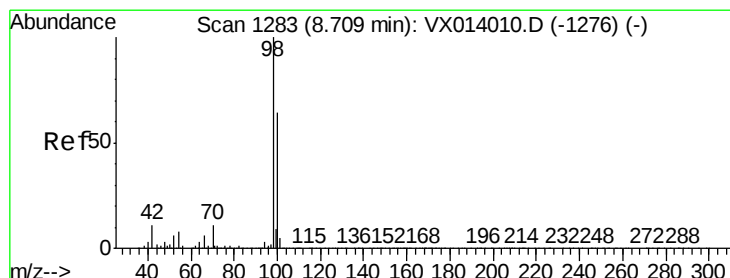
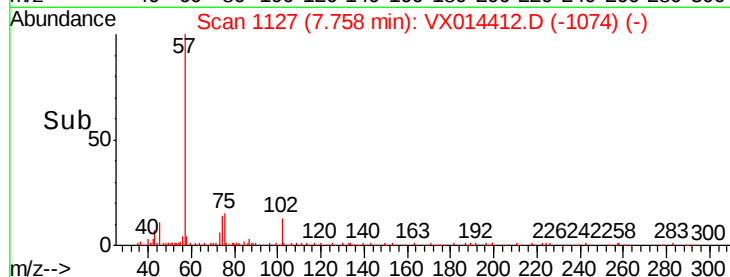
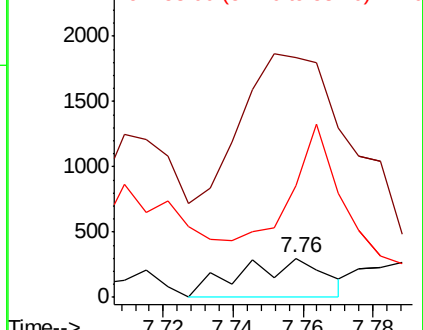
58 290.6 56.8 85.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.125 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014412.D

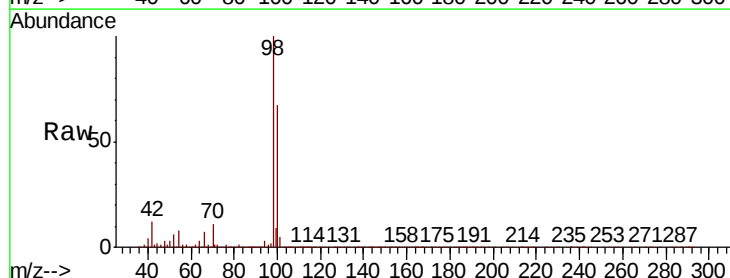
Acq: 03 Jan 2020 19:43

Tgt Ion: 98 Resp: 1012739

Ion Ratio Lower Upper

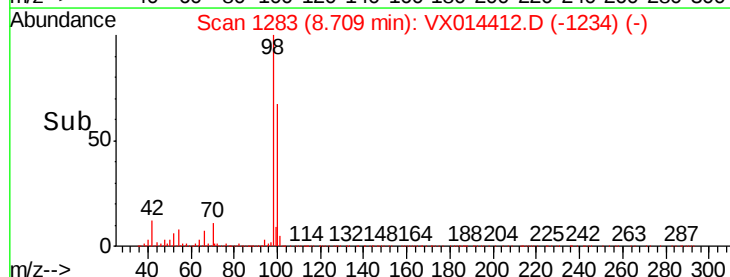
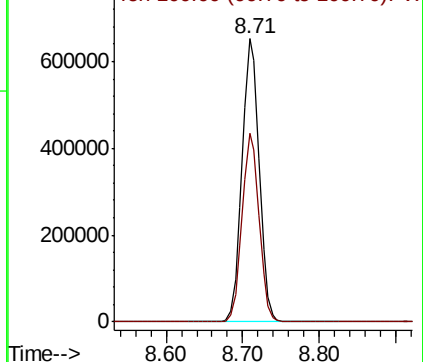
98 100

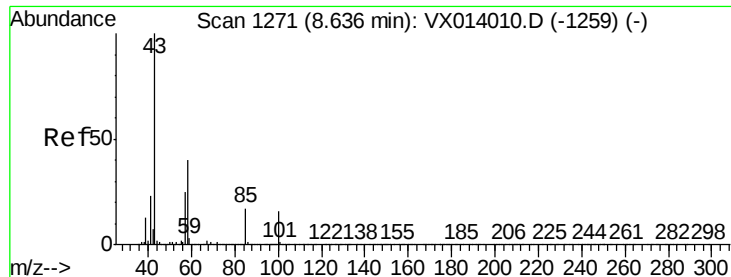
100 65.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

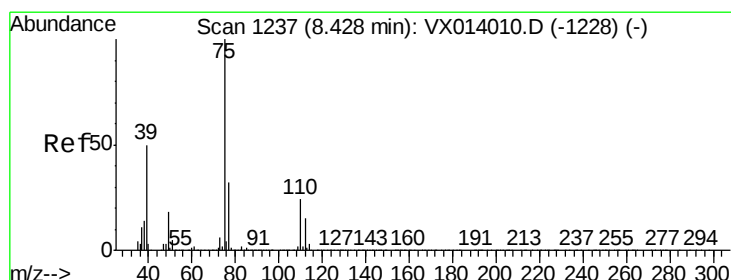
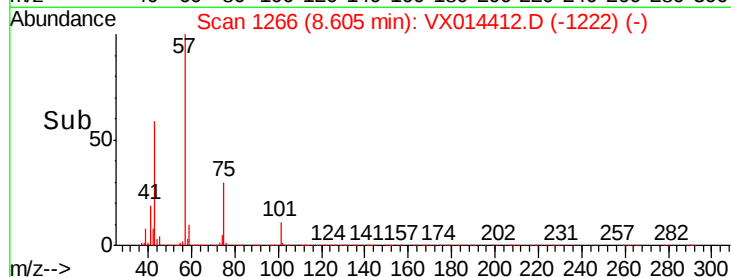
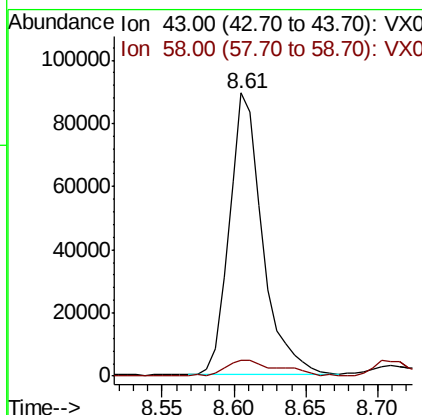
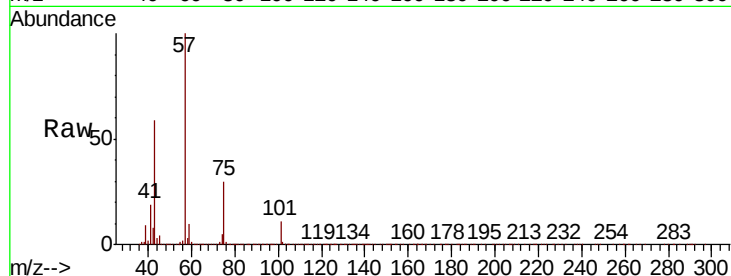




#51
4-Methyl-2-Pentanone
Concen: 16.037 ug/l
RT: 8.61 min Scan# 1266
Delta R.T. -0.03 min
Lab File: VX014412.D
Acq: 03 Jan 2020 19:43

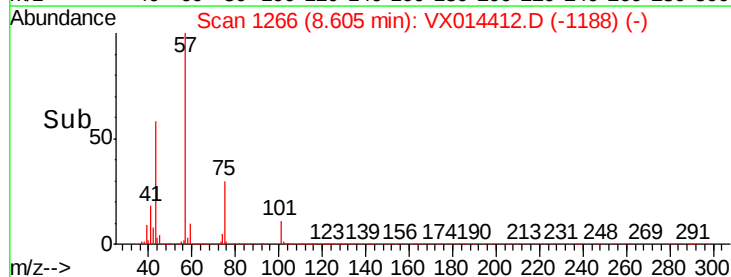
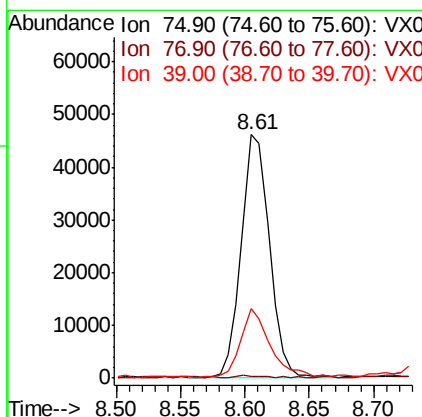
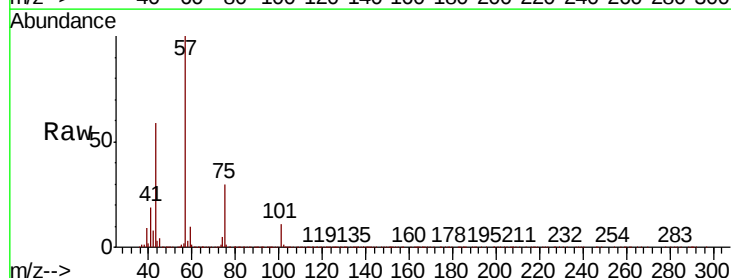
Instrument :
MSVOA_X
ClientSampled :

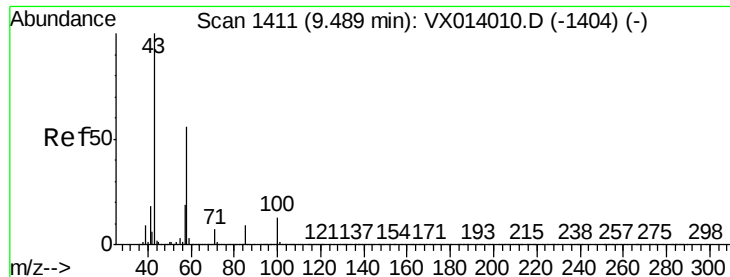
Tot Ion: 43 Resp: 144183
Ion Ratio Lower Upper
43 100
58 8.5 32.2 48.2#



#54
cis-1,3-Dichloropropene
Concen: 7.526 ug/l
RT: 8.61 min Scan# 1266
Delta R.T. 0.18 min
Lab File: VX014412.D
Acq: 03 Jan 2020 19:43

Tgt Ion: 75 Resp: 70723
Ion Ratio Lower Upper
75 100
77 0.1 25.3 37.9#
39 27.9 39.9 59.9#

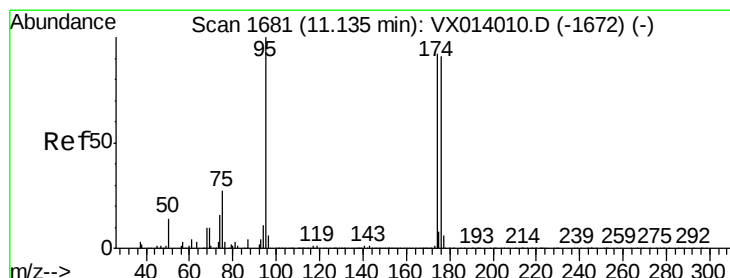
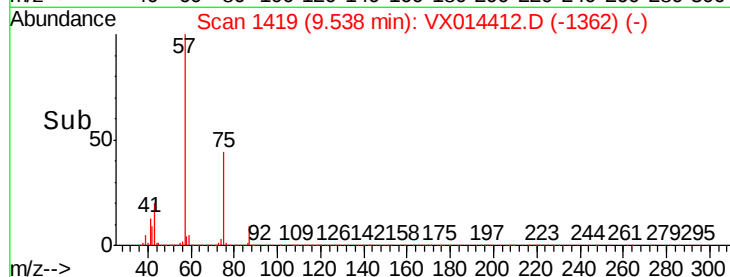
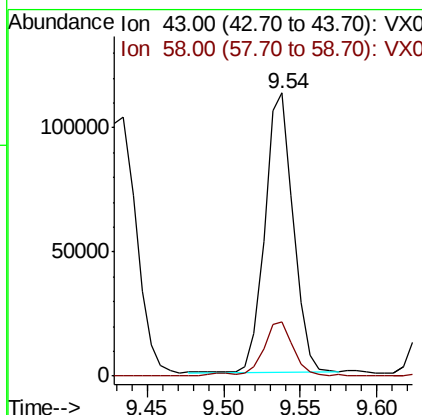
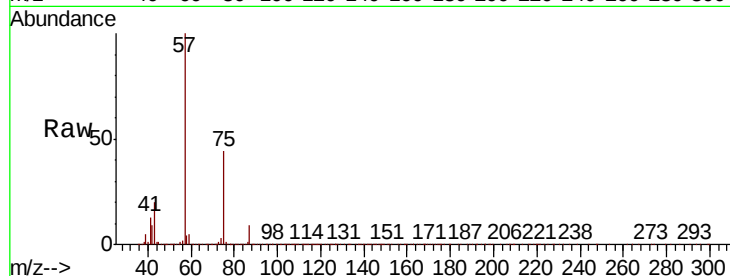




#59
2-Hexanone
Concen: 20.164 ug/l
RT: 9.54 min Scan# 1419
Delta R.T. 0.05 min
Lab File: VX014412.D
Acq: 03 Jan 2020 19:43

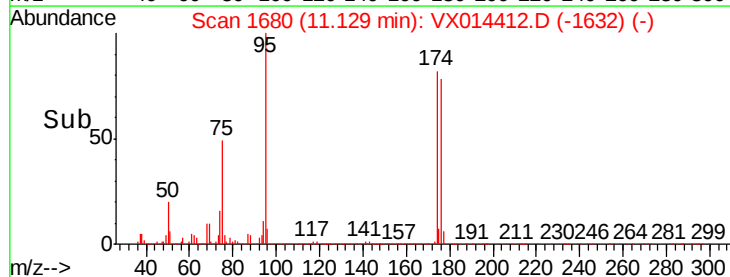
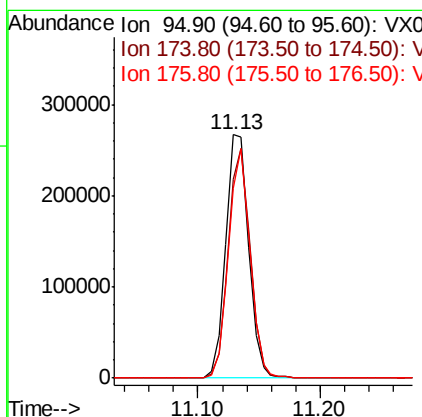
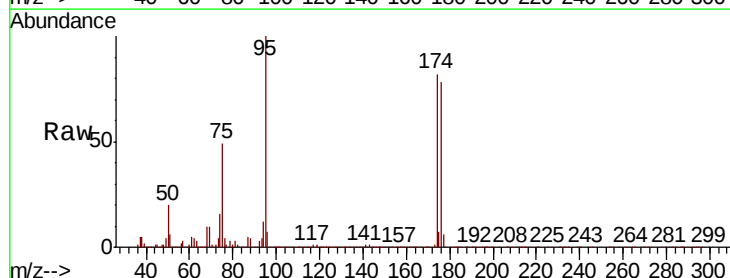
Instrument :
MSVOA_X
ClientSampleId :

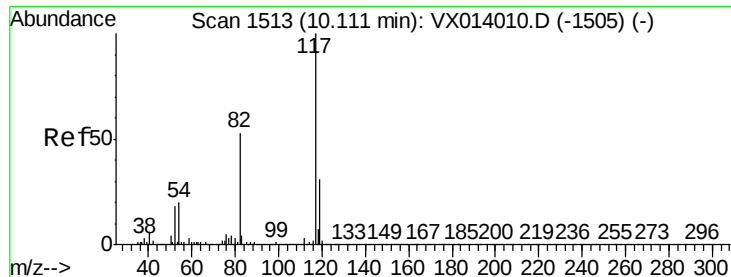
Tot Ion: 43 Resp: 145932
Ion Ratio Lower Upper
43 100
58 21.4 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 46.673 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014412.D
Acq: 03 Jan 2020 19:43

Tgt Ion: 95 Resp: 344708
Ion Ratio Lower Upper
95 100
174 90.6 0.0 175.8
176 88.6 0.0 173.0

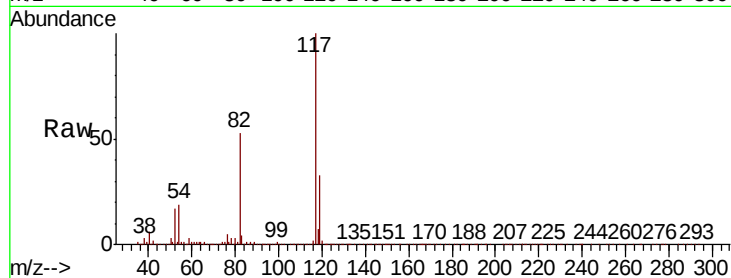




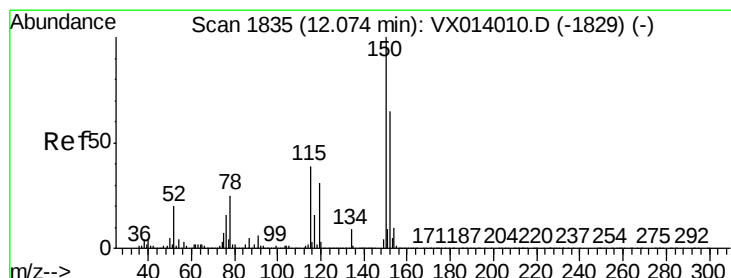
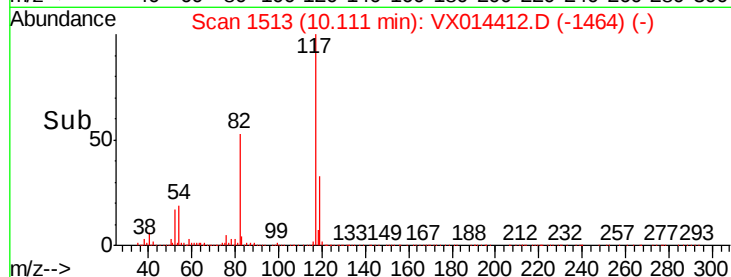
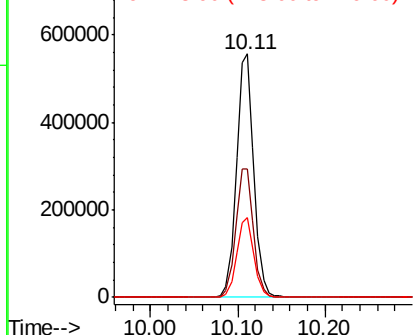
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014412.D
Acq: 03 Jan 2020 19:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.2	63.4
119	32.7	25.1	37.7

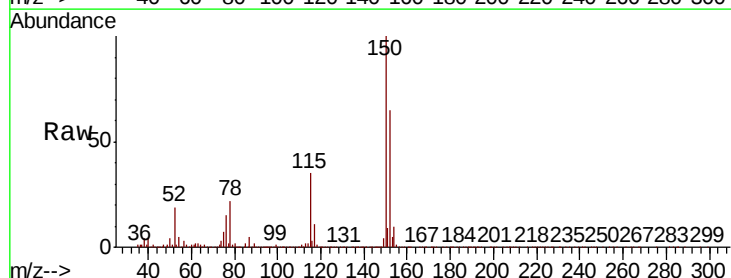


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

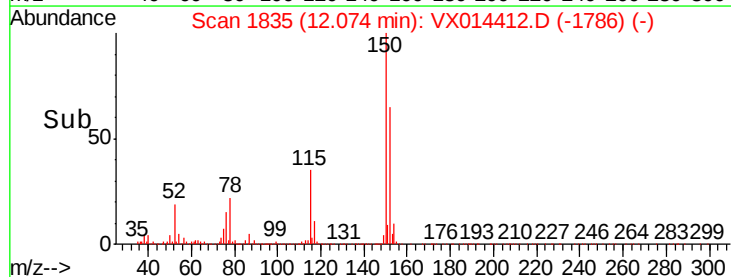
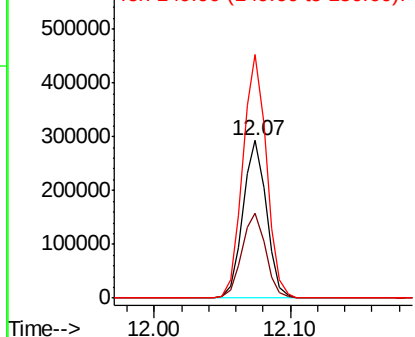


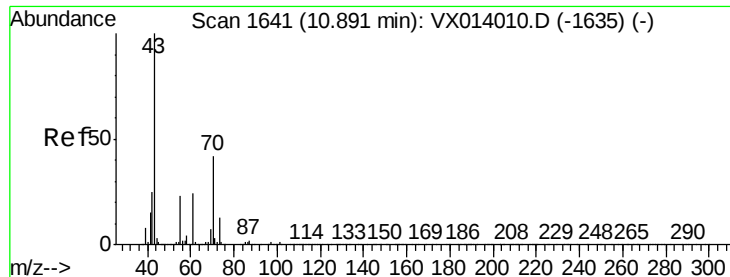
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014412.D
Acq: 03 Jan 2020 19:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	38.3	114.9
150	156.4	0.0	345.4



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





#74

N-amvl acetate

Concen: 0.540 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX014412.D

Acq: 03 Jan 2020 19:43

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 6264

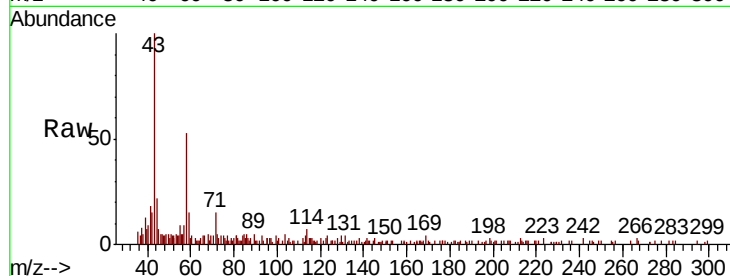
Ion Ratio Lower Upper

43 100

70 0.0 34.4 51.6#

55 0.0 19.1 28.7#

61 0.0 19.7 29.5#

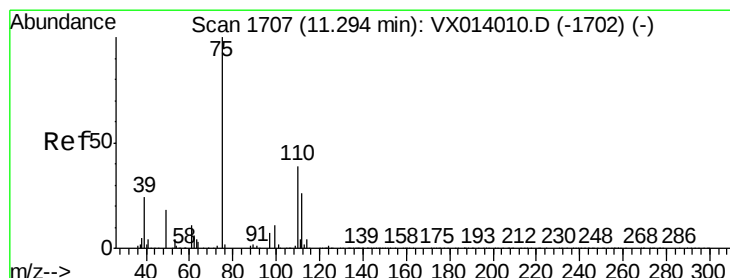
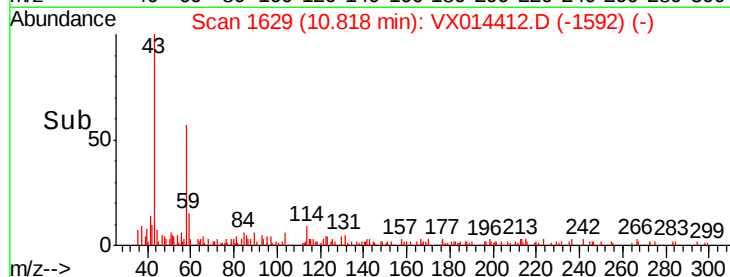
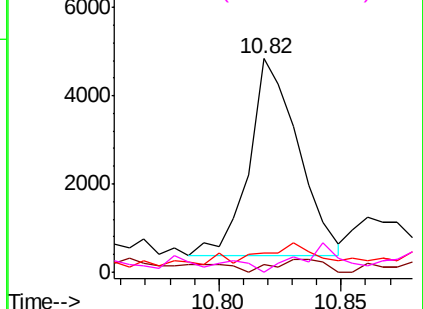


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.969 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014412.D

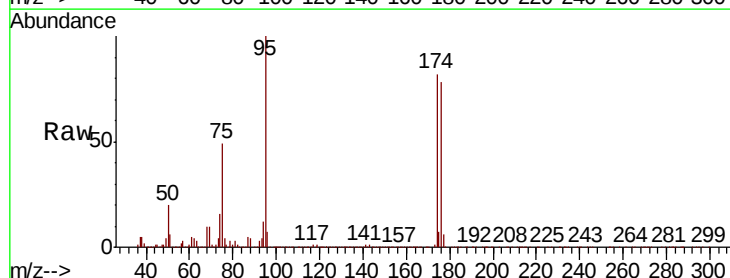
Acq: 03 Jan 2020 19:43

Tgt Ion: 75 Resp: 167581

Ion Ratio Lower Upper

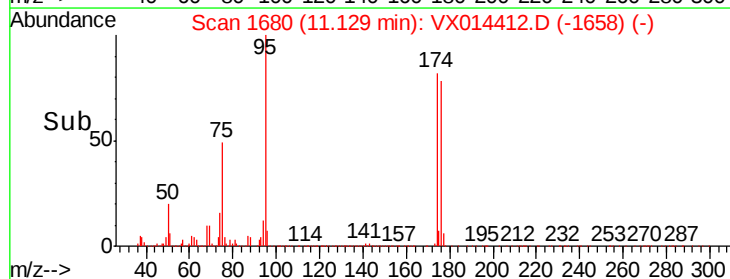
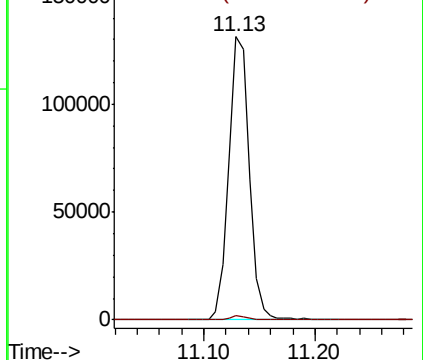
75 100

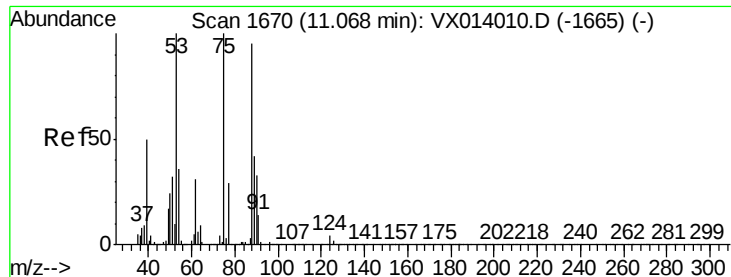
77 1.4 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.007 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014412.D

Acq: 03 Jan 2020 19:43

Instrument :

MSVOA_X

ClientSampleId :

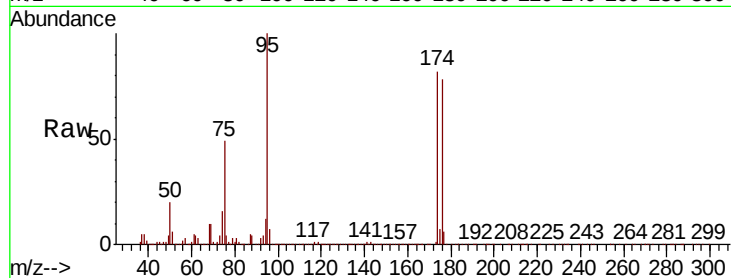
Tot Ion: 75 Resp: 167581

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.1 34.6 51.8#



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

