

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052220\
 Data File : VX016410.D
 Acq On : 22 May 2020 14:28
 Operator : JC/SP
 Sample : L2718-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:36:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	217361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	364614	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	362321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	179948	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	124362	43.48	ug/l	0.00
Spiked Amount			Recovery	=	86.96%	
35) Dibromofluoromethane	5.47	113	106482	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
50) Toluene-d8	8.70	98	453637	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	11.12	95	178230	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	

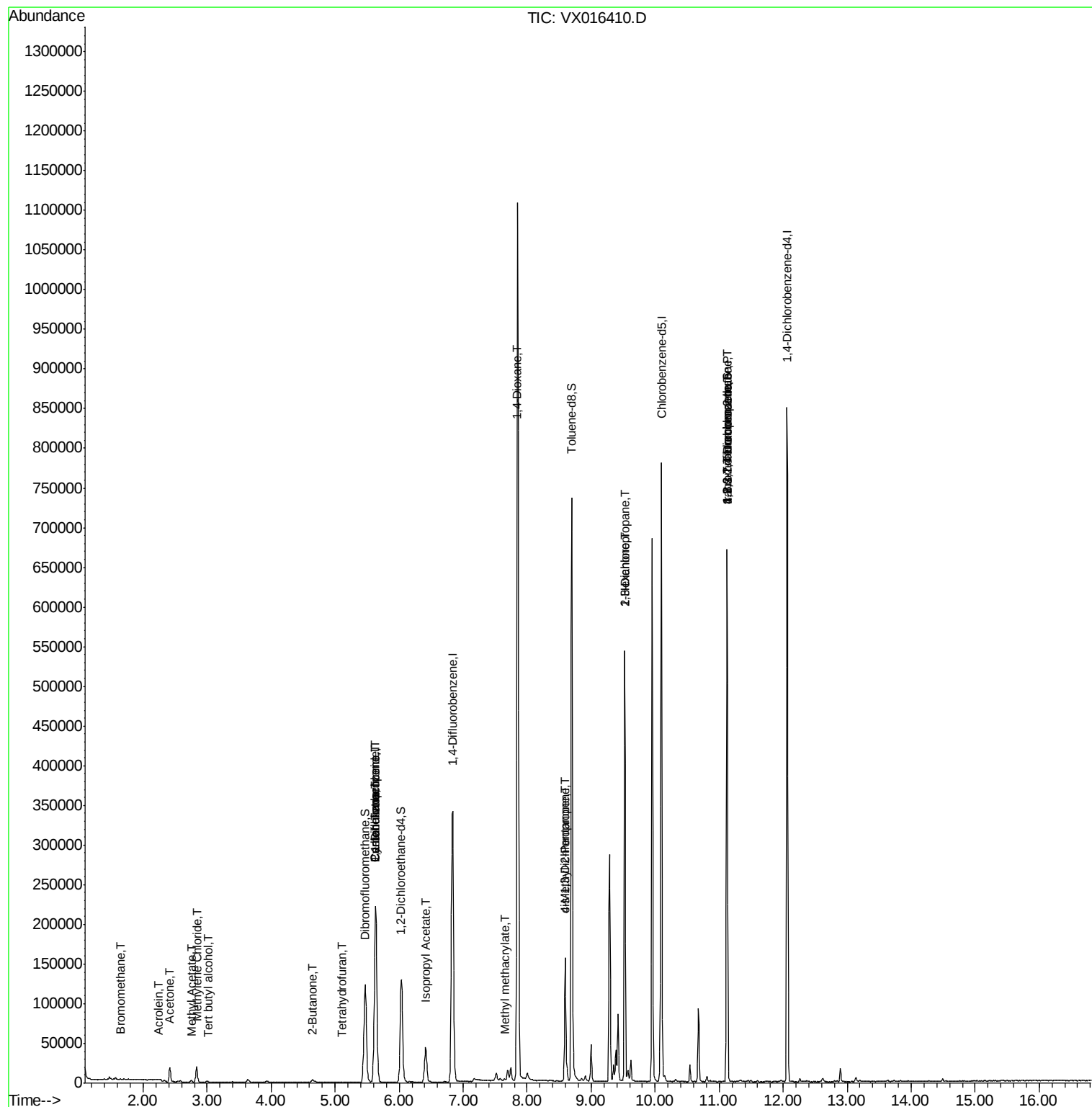
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	316	0.220	ug/l #	67
11) Tert butyl alcohol	3.01	59	992	1.372	ug/l #	72
13) Acrolein	2.23	56	183	0.404	ug/l #	82
16) Acetone	2.42	43	18564	14.546	ug/l	94
17) Carbon Disulfide	2.55	76	638	Below Cal	#	59
18) Methyl Acetate	2.75	43	2800	0.892	ug/l	95
20) Methylene Chloride	2.84	84	9491	3.608	ug/l	93
25) 2-Butanone	4.65	43	2967	1.443	ug/l #	86
29) Tetrahydrofuran	5.10	42	426	0.313	ug/l #	92
31) Cyclohexane	5.63	56	3717	0.935	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15571	4.338	ug/l #	49
38) Carbon Tetrachloride	5.63	117	21252	5.826	ug/l #	14
43) Isopropyl Acetate	6.42	43	57924	8.727	ug/l	95
48) Methyl methacrylate	7.66	41	3441	1.094	ug/l #	14
49) 1,4-Dioxane	7.84	88	210	2.784	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	53733	13.230	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	28437	6.209	ug/l #	53
57) 1,3-Dichloropropane	9.52	76	4915	1.094	ug/l #	44
59) 2-Hexanone	9.52	43	54749	17.164	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.12	83	94	2.087	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	84557	20.707	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	84557	49.347	ug/l #	13

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016410.D

Acq: 22 May 2020 14:28

Instrument :

MSVOA_X

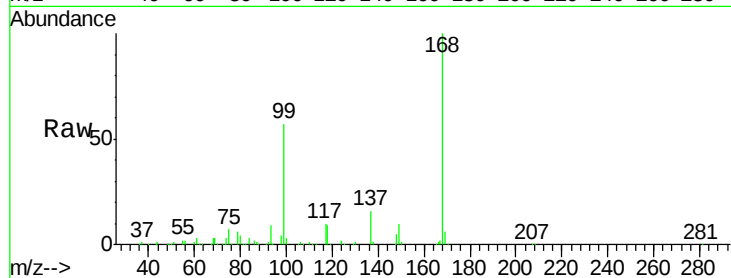
ClientSampleId :

Tot Ion:168 Resp: 217361

Ion Ratio Lower Upper

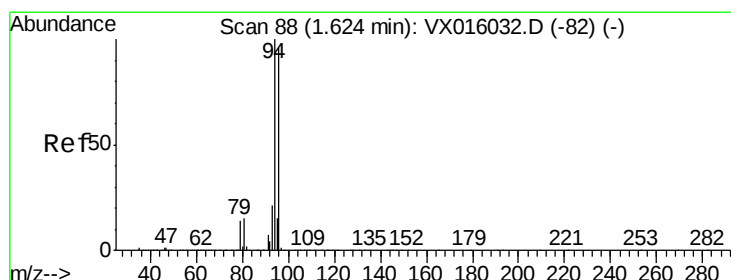
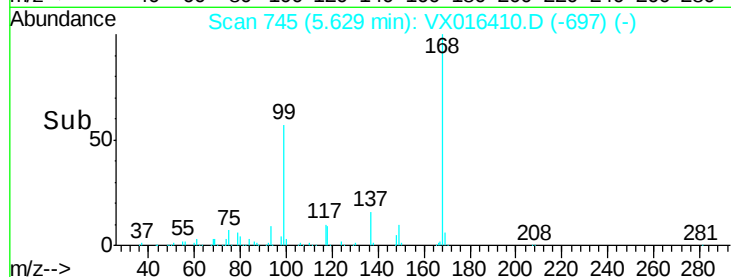
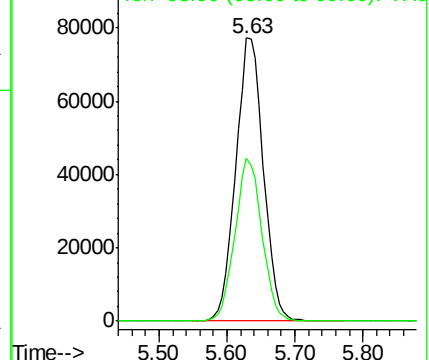
168 100

99 57.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.220 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016410.D

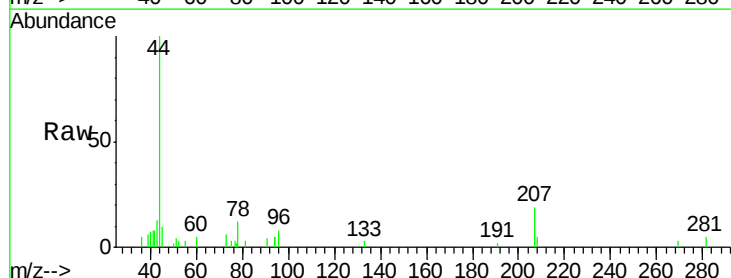
Acq: 22 May 2020 14:28

Tgt Ion: 94 Resp: 316

Ion Ratio Lower Upper

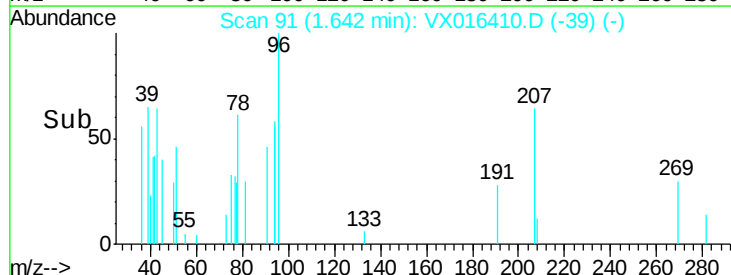
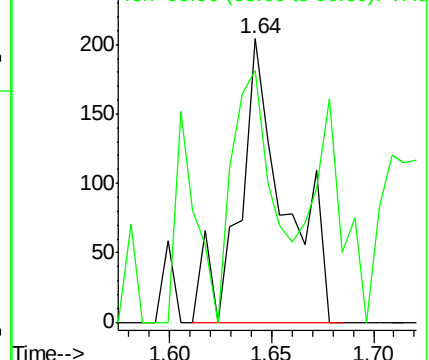
94 100

96 64.2 76.9 115.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

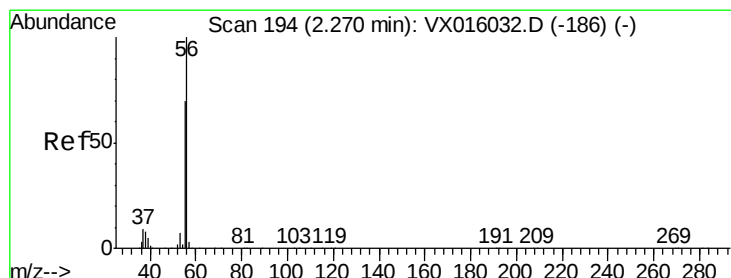
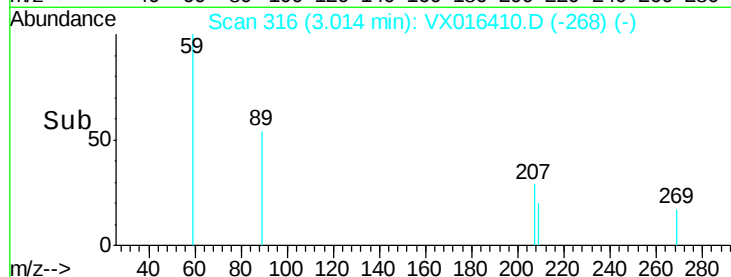
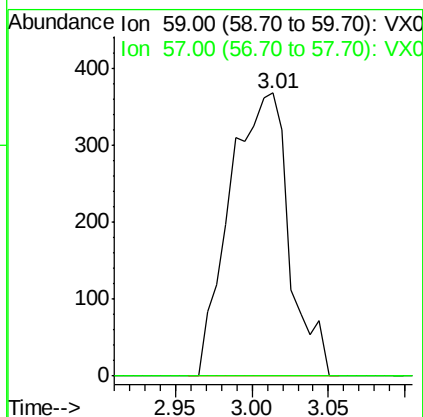
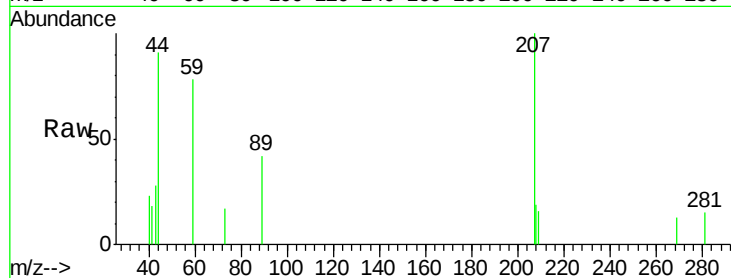




#11
Tert butyl alcohol
Concen: 1.372 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016410.D
Acq: 22 May 2020 14:28

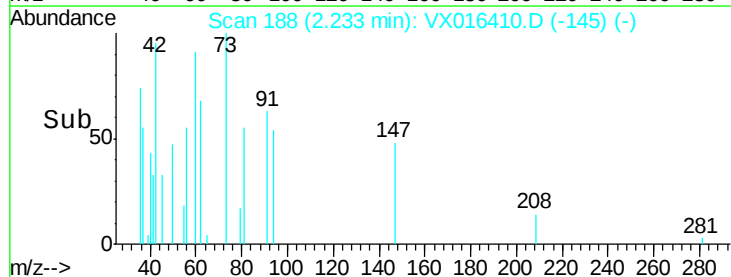
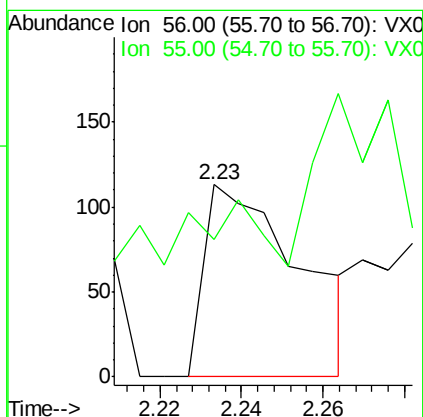
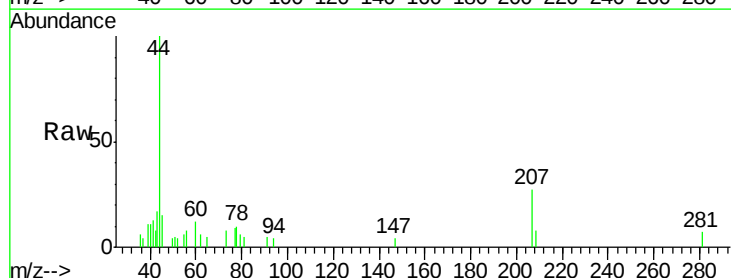
Instrument :
MSVOA_X
ClientSampleId :

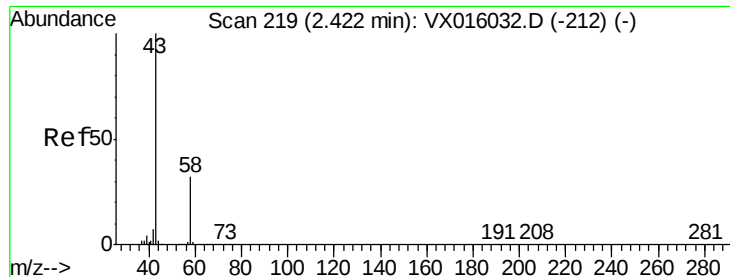
Tot Ion: 59 Resp: 992
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.404 ug/l
RT: 2.23 min Scan# 188
Delta R.T. -0.04 min
Lab File: VX016410.D
Acq: 22 May 2020 14:28

Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 85.8 56.5 84.7#





#16

Acetone

Concen: 14.546 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016410.D

Acq: 22 May 2020 14:28

Instrument :

MSVOA_X

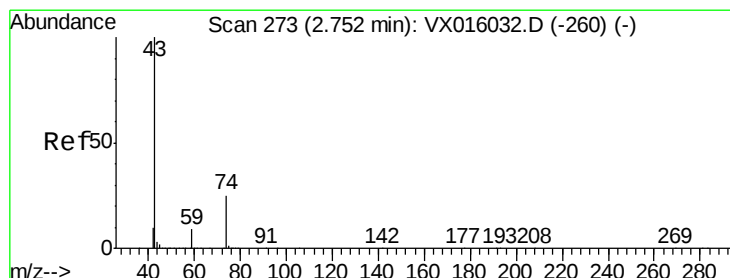
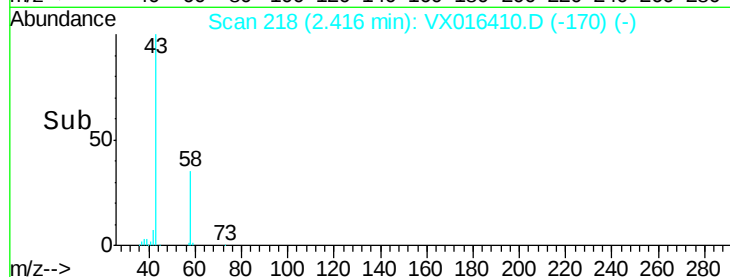
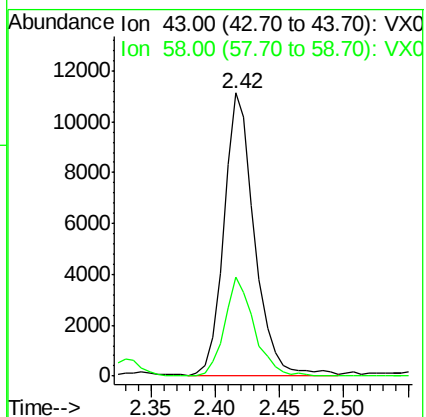
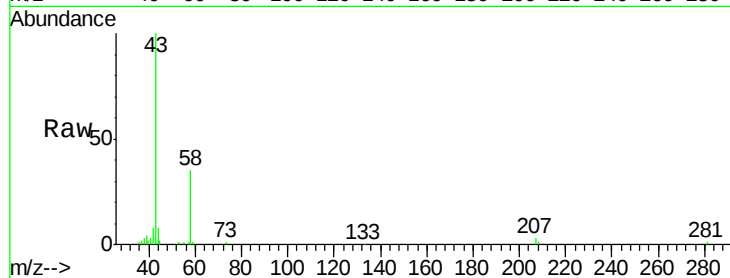
ClientSampleId :

Tot Ion: 43 Resp: 18564

Ion Ratio Lower Upper

43 100

58 34.8 25.4 38.0



#18

Methyl Acetate

Concen: 0.892 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016410.D

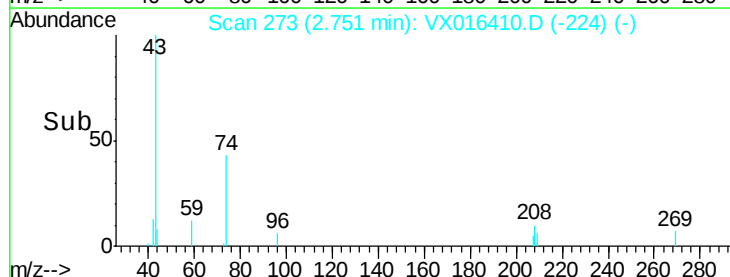
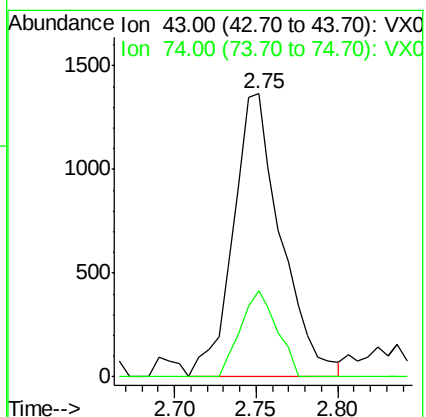
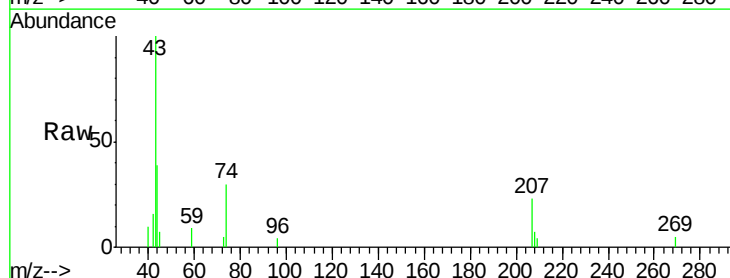
Acq: 22 May 2020 14:28

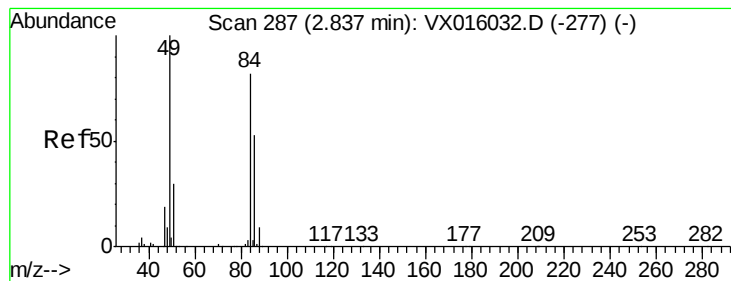
Tgt Ion: 43 Resp: 2800

Ion Ratio Lower Upper

43 100

74 22.9 20.2 30.2





#20

Methylene Chloride

Concen: 3.608 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

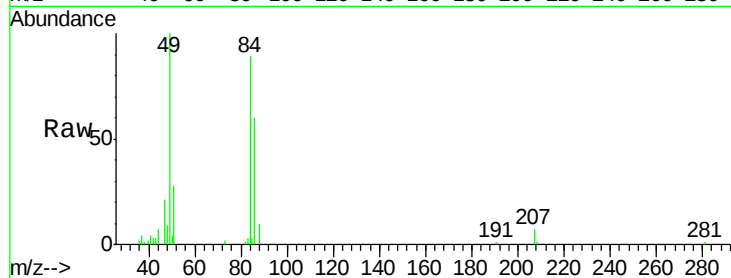
Lab File: VX016410.D

Acq: 22 May 2020 14:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 9491

Ion	Ratio	Lower	Upper
84	100		
49	112.1	97.3	145.9
51	31.5	29.3	43.9
86	66.8	51.3	76.9

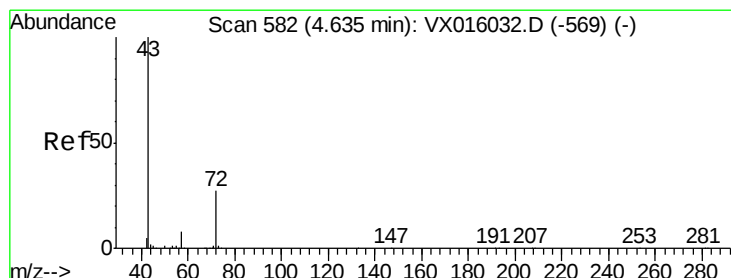
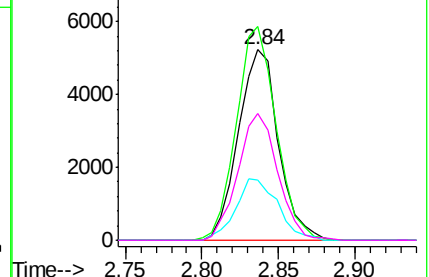
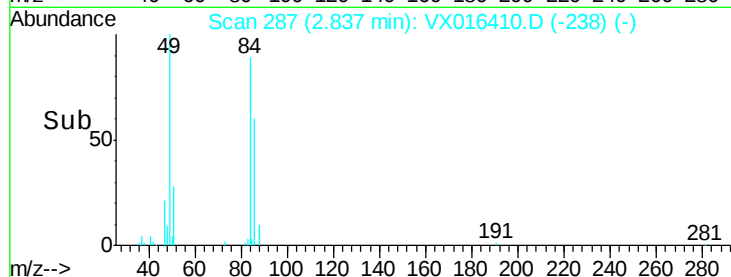


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 1.443 ug/l

RT: 4.65 min Scan# 584

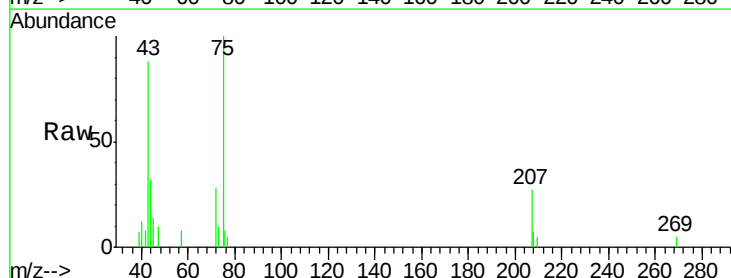
Delta R.T. 0.01 min

Lab File: VX016410.D

Acq: 22 May 2020 14:28

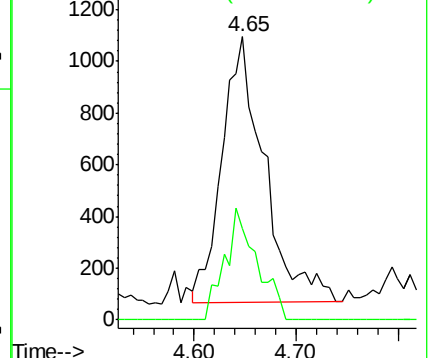
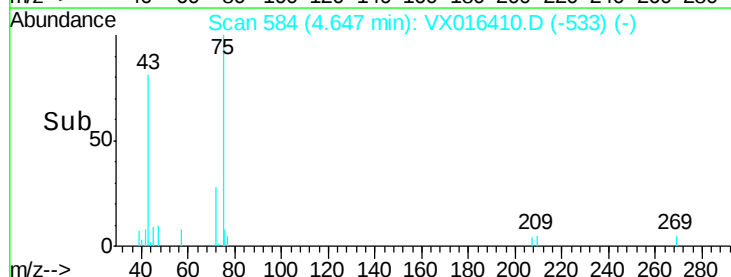
Tgt Ion: 43 Resp: 2967

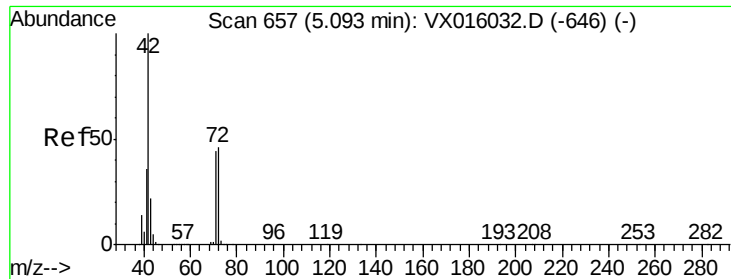
Ion	Ratio	Lower	Upper
43	100		
72	34.6	21.8	32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

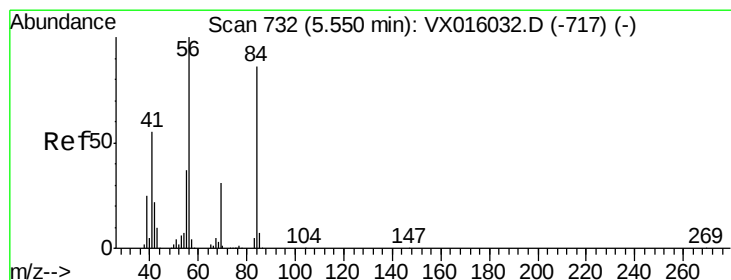
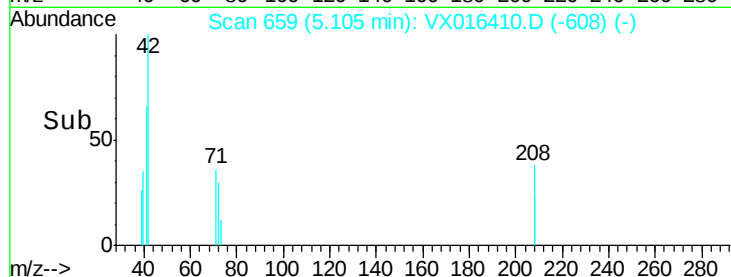
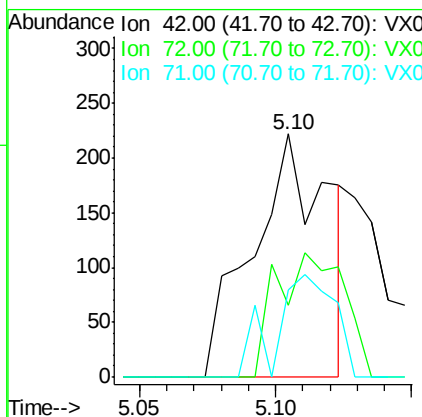
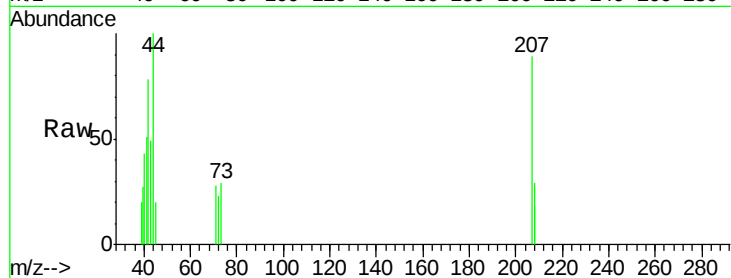




#29
Tetrahydrofuran
Concen: 0.313 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX016410.D
Acq: 22 May 2020 14:28

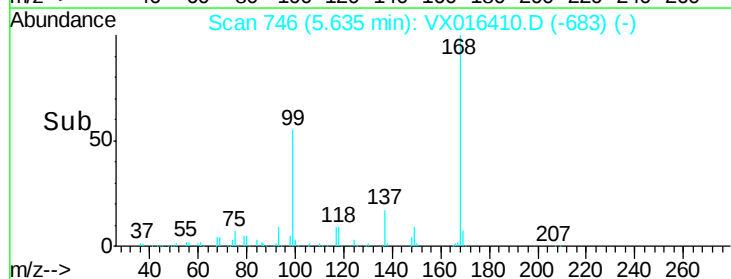
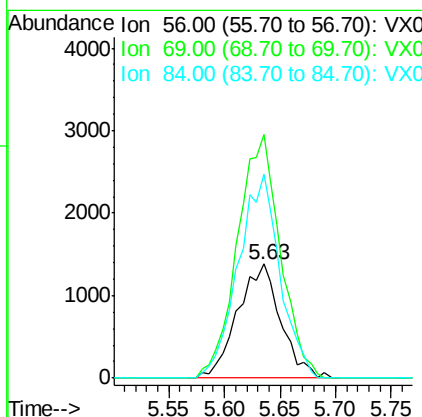
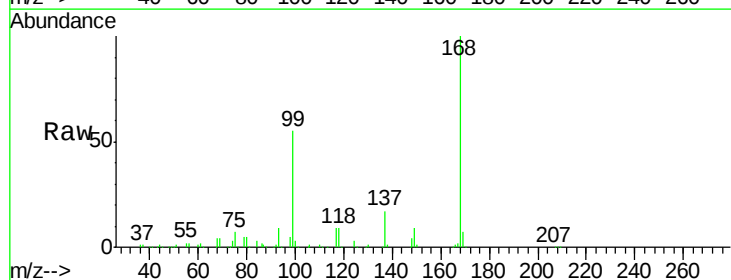
Instrument :
MSVOA_X
ClientSampled :

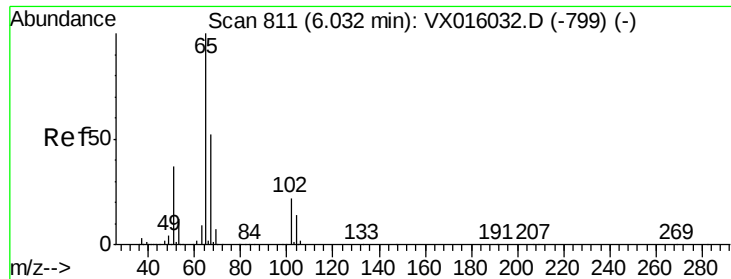
Tot Ion: 42 Resp: 426
Ion Ratio Lower Upper
42 100
72 45.8 37.1 55.7
71 32.9 34.5 51.7#



#31
Cyclohexane
Concen: 0.935 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016410.D
Acq: 22 May 2020 14:28

Tgt Ion: 56 Resp: 3717
Ion Ratio Lower Upper
56 100
69 213.8 25.0 37.6#
84 179.5 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 43.479 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016410.D

Acq: 22 May 2020 14:28

Instrument :

MSVOA_X

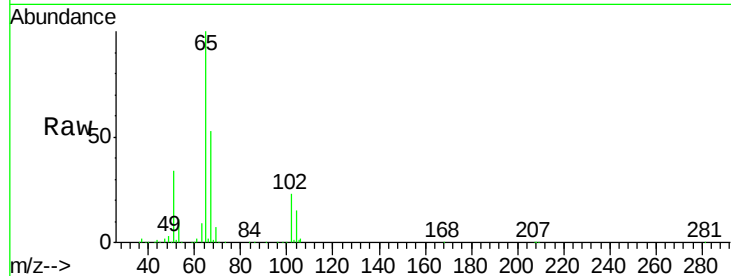
ClientSampleId :

Tot Ion: 65 Resp: 124362

Ion Ratio Lower Upper

65 100

67 53.7 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

50000

40000

30000

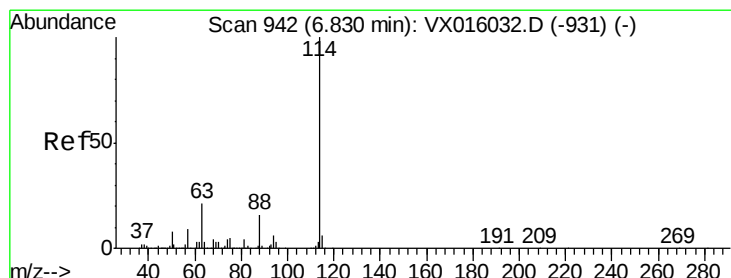
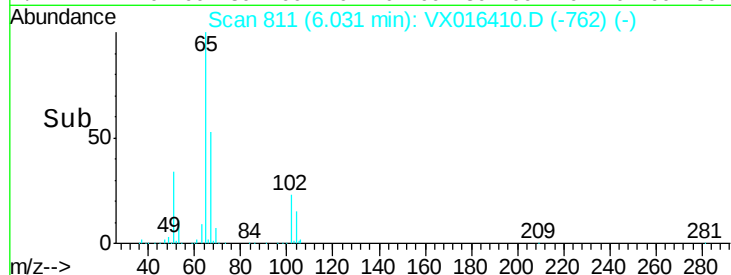
20000

10000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016410.D

Acq: 22 May 2020 14:28

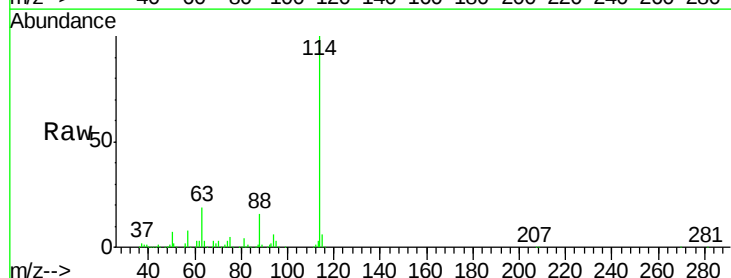
Tgt Ion: 114 Resp: 364614

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.8

88 15.7 0.0 31.4



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

6.84

200000

150000

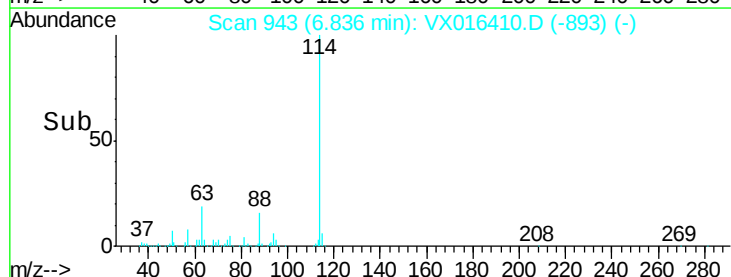
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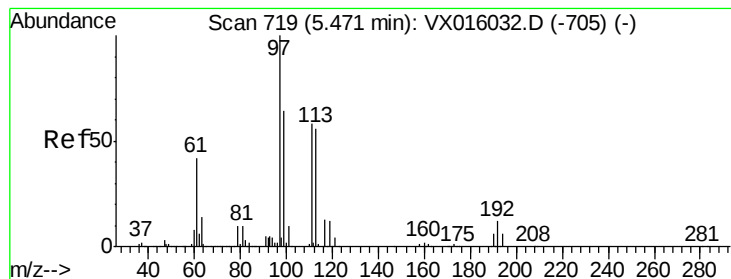
50000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 46.096 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016410.D

Acq: 22 May 2020 14:28

Instrument :

MSVOA_X

ClientSampleId :

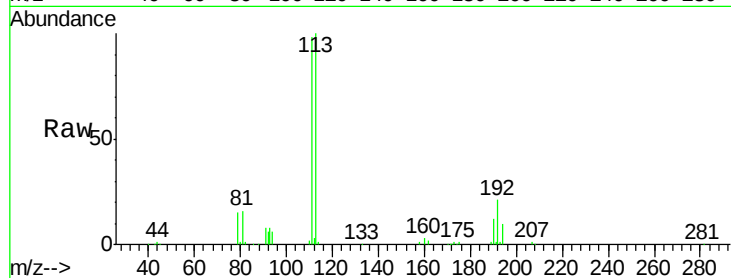
Tot Ion:113 Resp: 106482

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

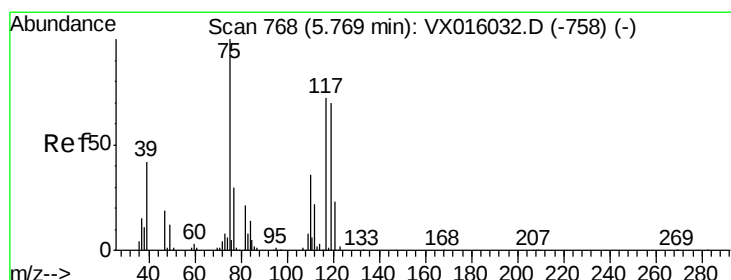
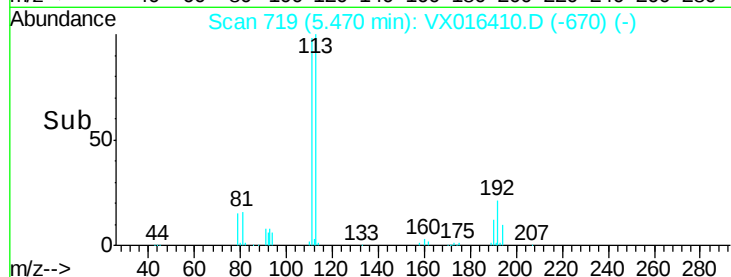
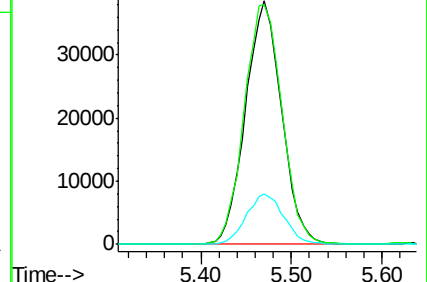
192 21.5 17.0 25.4



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: 4.338 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016410.D

Acq: 22 May 2020 14:28

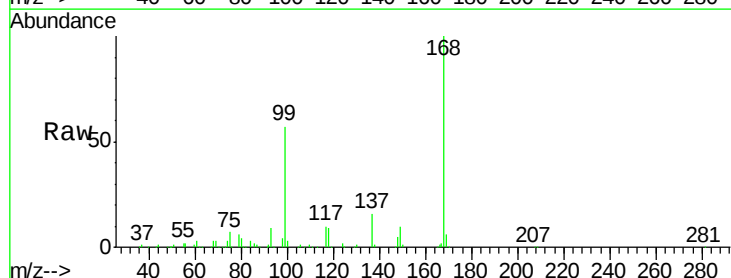
Tgt Ion: 75 Resp: 15571

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.1#

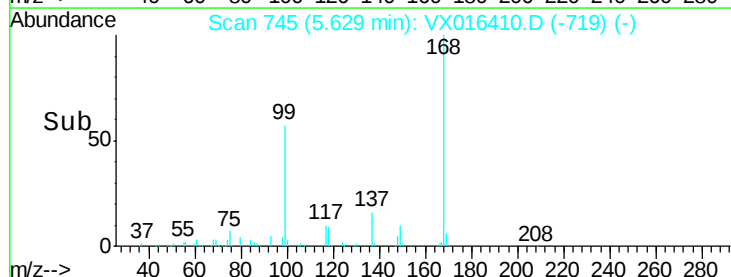
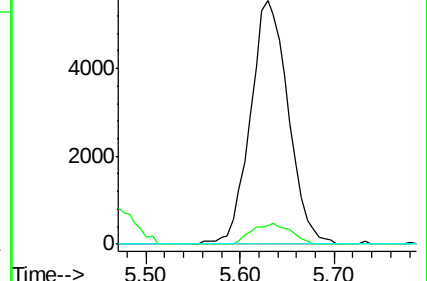
77 0.0 25.0 37.6#

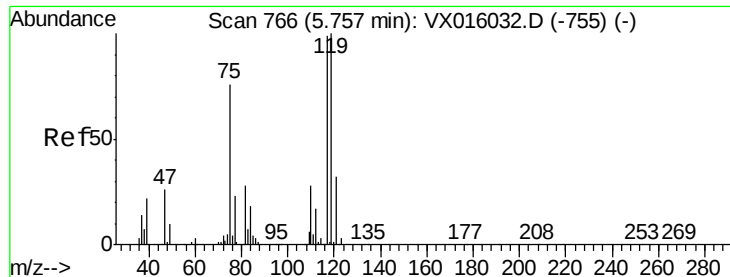


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.826 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016410.D

Acq: 22 May 2020 14:28

Instrument :

MSVOA_X

ClientSampleId :

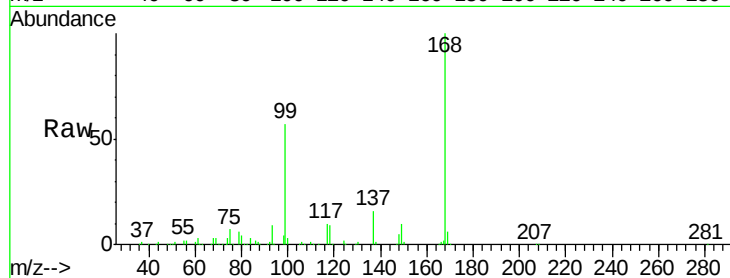
Tot Ion:117 Resp: 21252

Ion Ratio Lower Upper

117 100

119 5.1 80.3 120.5#

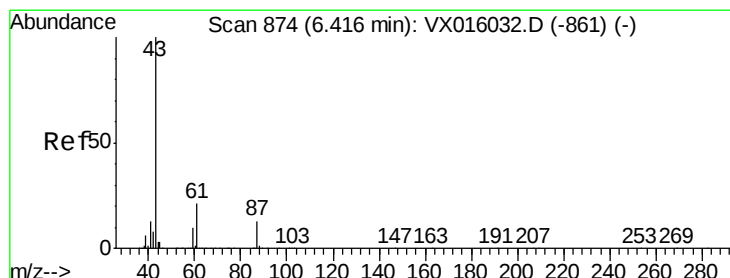
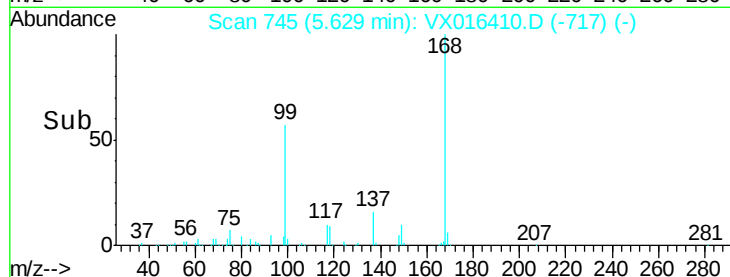
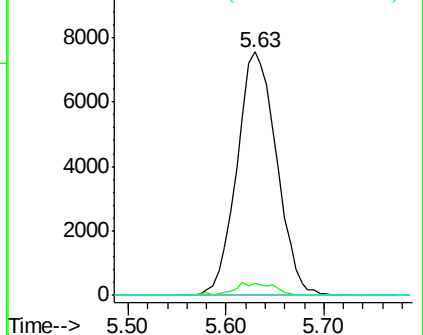
121 0.0 25.7 38.5#



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



#43

Isopropyl Acetate

Concen: 8.727 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016410.D

Acq: 22 May 2020 14:28

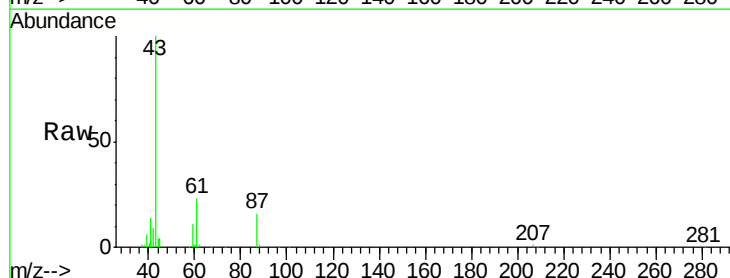
Tgt Ion: 43 Resp: 57924

Ion Ratio Lower Upper

43 100

61 23.5 17.0 25.4

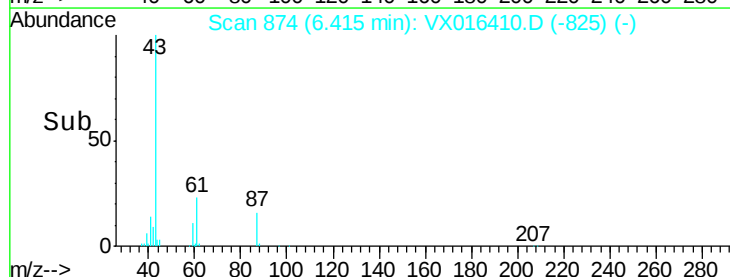
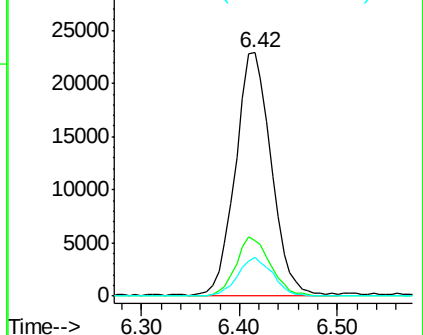
87 15.4 11.0 16.6

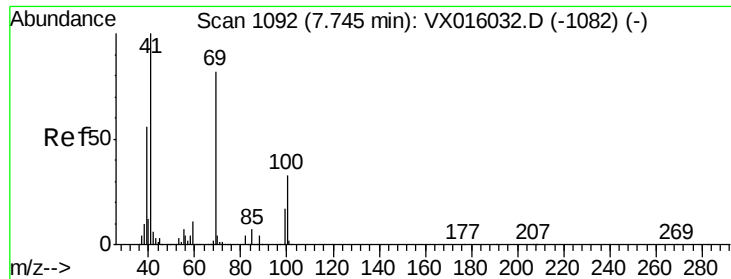


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

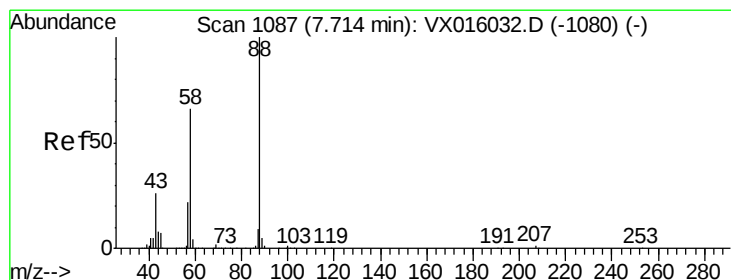
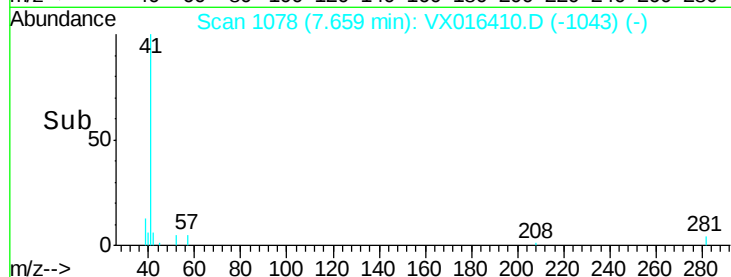
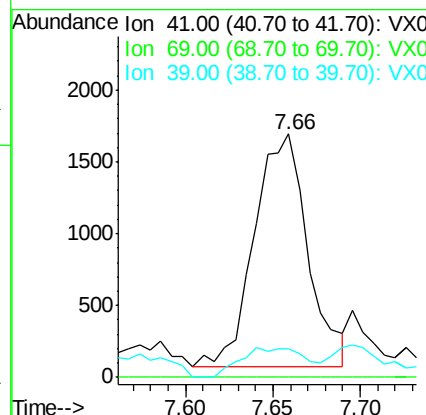
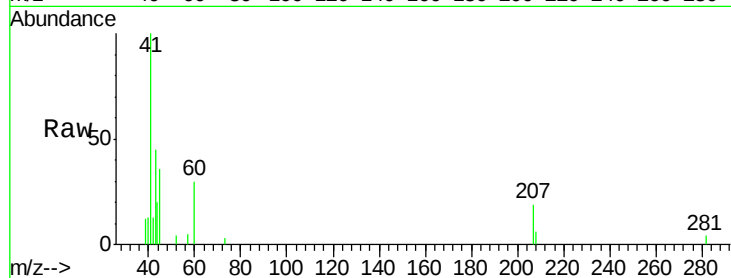




#48
Methvl methacrylate
Concen: 1.094 ug/l
RT: 7.66 min Scan# 1078
Delta R.T. -0.09 min
Lab File: VX016410.D
Acq: 22 May 2020 14:28

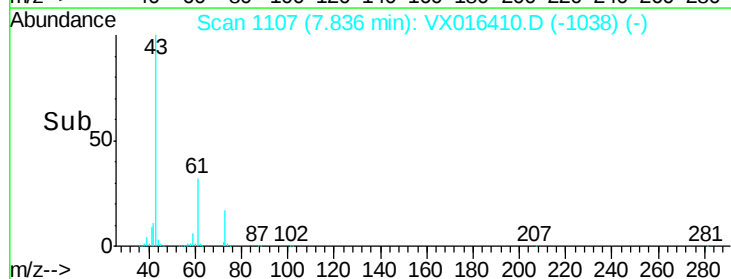
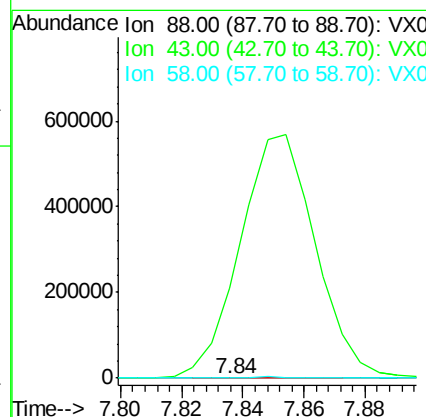
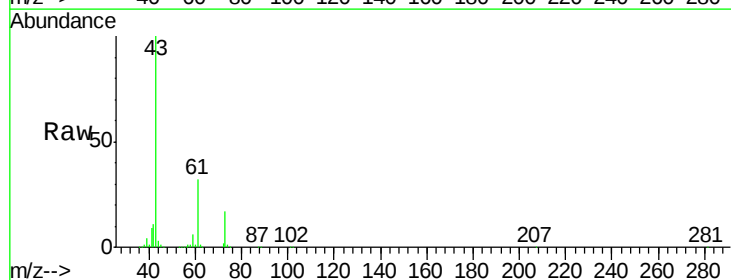
Instrument :
MSVOA_X
ClientSampleId :

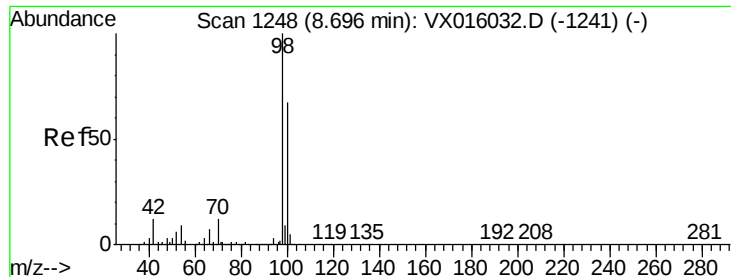
Tot Ion: 41 Resp: 3441
Ion Ratio Lower Upper
41 100
69 0.0 67.8 101.6#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.784 ug/l
RT: 7.84 min Scan# 1107
Delta R.T. 0.12 min
Lab File: VX016410.D
Acq: 22 May 2020 14:28

Tgt Ion: 88 Resp: 210
Ion Ratio Lower Upper
88 100
43 464721.0 25.3 37.9#
58 2163.3 55.9 83.9#

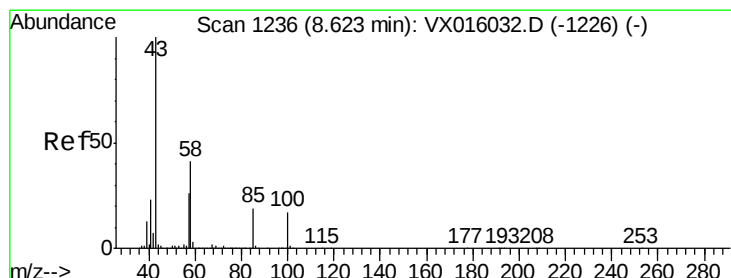
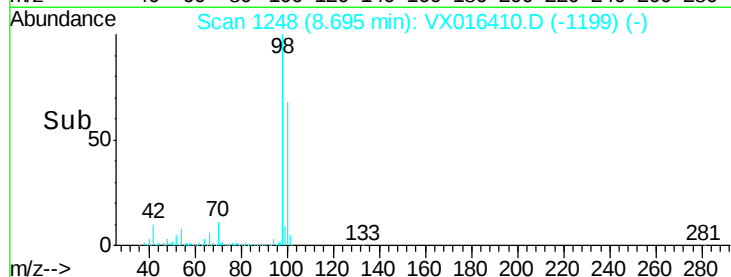
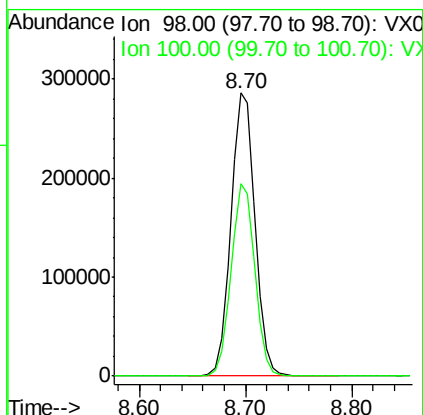
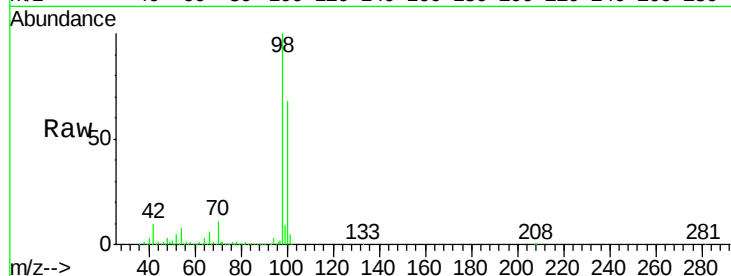




#50
Toluene-d8
Concen: 50.967 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016410.D
Acq: 22 May 2020 14:28

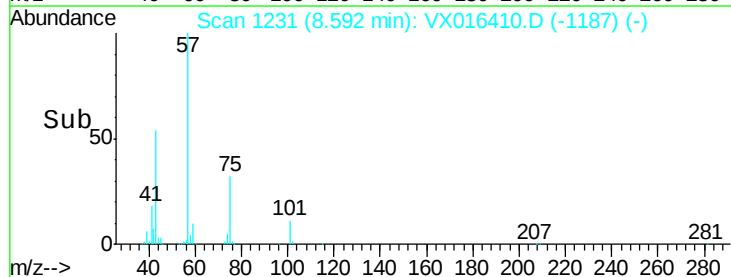
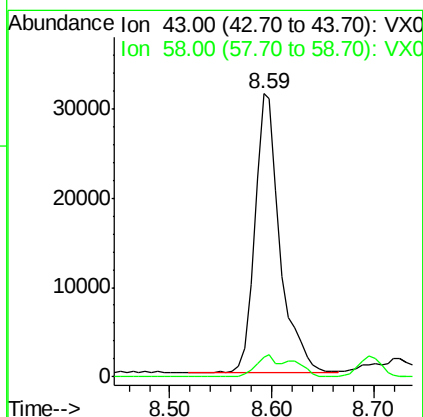
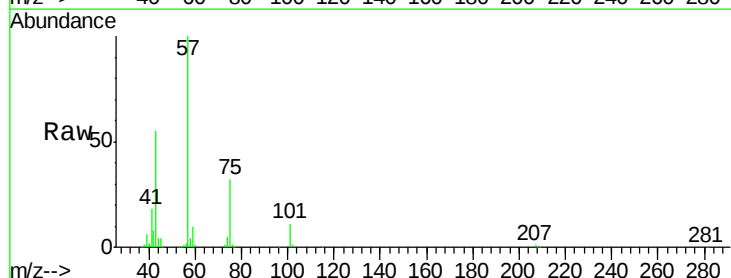
Instrument :
MSVOA_X
ClientSampleId :

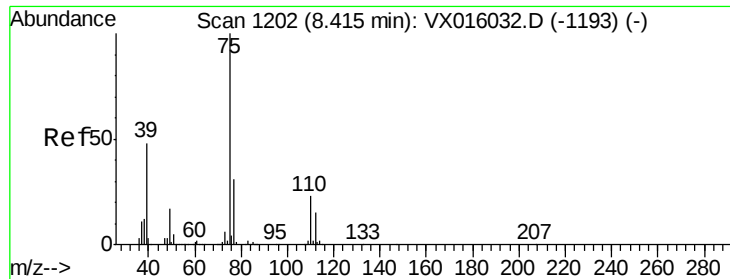
Tot Ion: 98 Resp: 453637
Ion Ratio Lower Upper
98 100
100 67.0 53.7 80.5



#51
4-Methyl-2-Pentanone
Concen: 13.230 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX016410.D
Acq: 22 May 2020 14:28

Tgt Ion: 43 Resp: 53733
Ion Ratio Lower Upper
43 100
58 7.1 33.0 49.4#



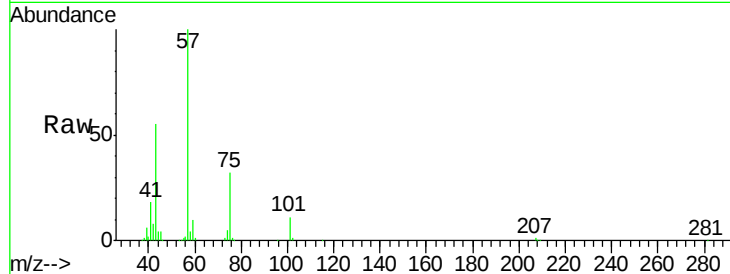


#54

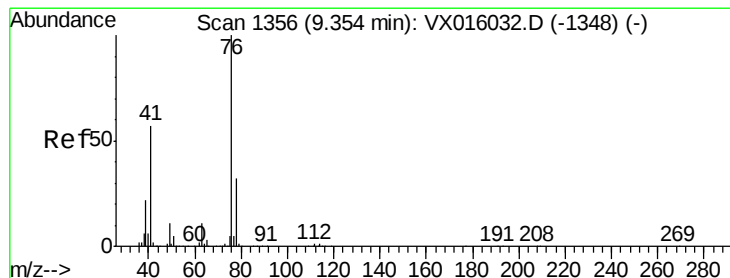
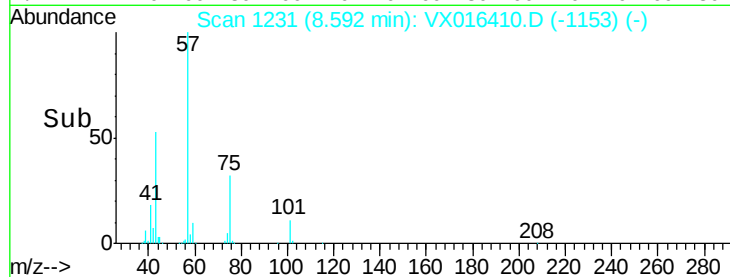
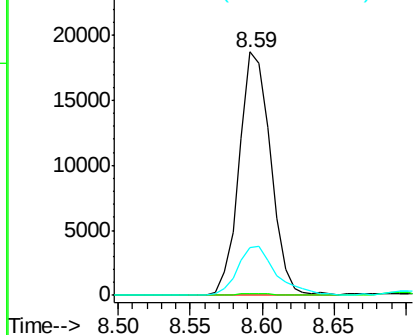
cis-1,3-Dichloropropene
 Concen: 6.209 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX016410.D
 Acq: 22 May 2020 14:28

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	75	Resp	28437
Ion Ratio	100	Lower	Upper
77	0.7	24.7	37.1#
39	19.6	38.7	58.1#



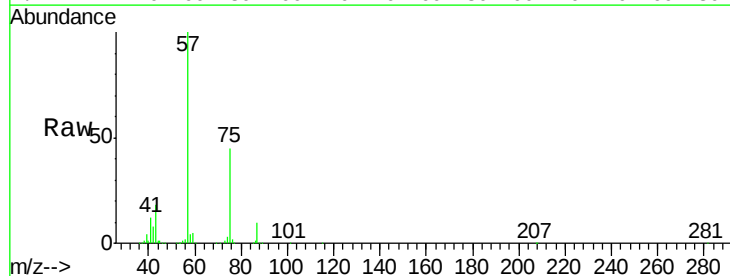
Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0



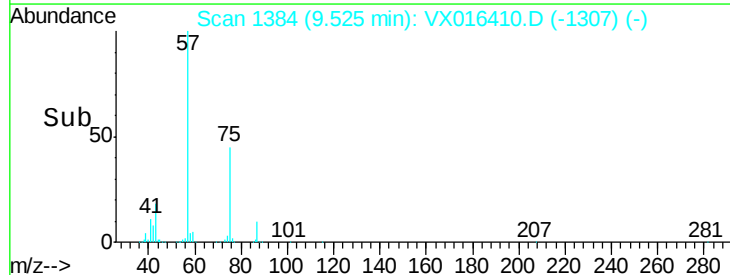
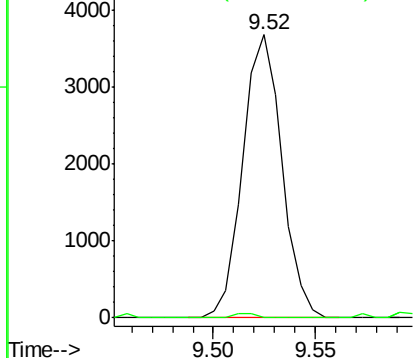
#57

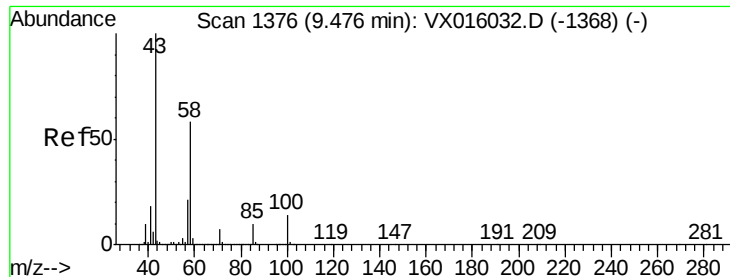
1,3-Dichloropropane
 Concen: 1.094 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX016410.D
 Acq: 22 May 2020 14:28

Tgt Ion	76	Resp	4915
Ion Ratio	100	Lower	Upper
78	0.8	25.9	38.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0
 Ion 77.90 (77.60 to 78.60): VX0

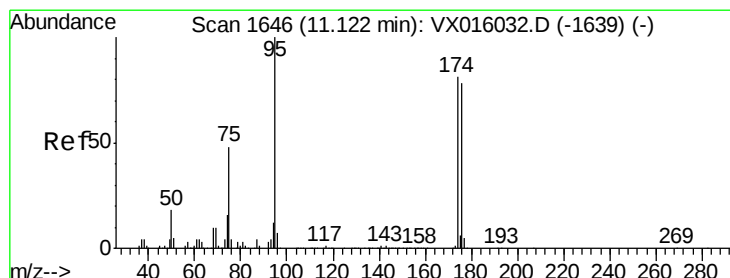
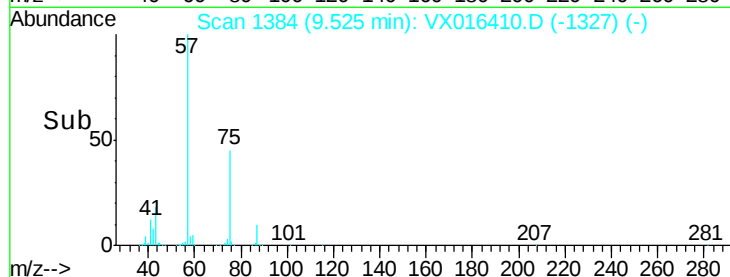
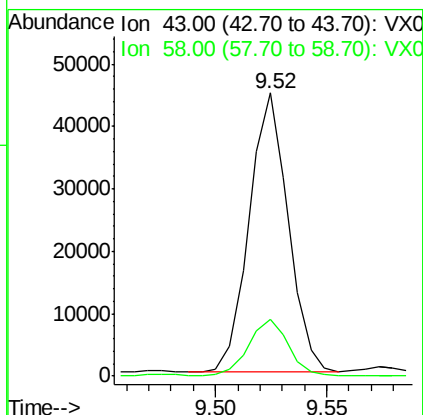
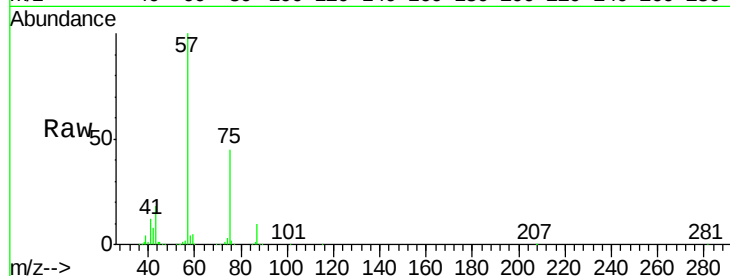




#59
2-Hexanone
Concen: 17.164 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX016410.D
Acq: 22 May 2020 14:28

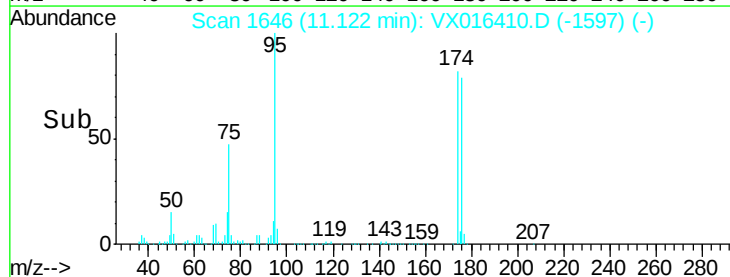
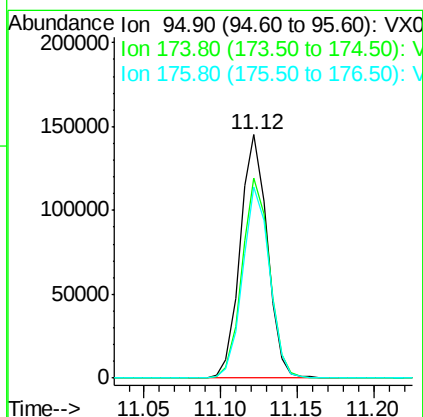
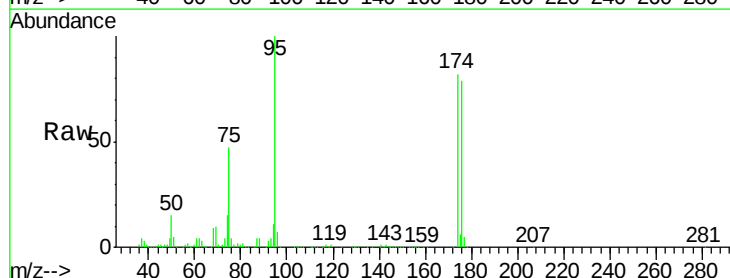
Instrument :
MSVOA_X
ClientSampled :

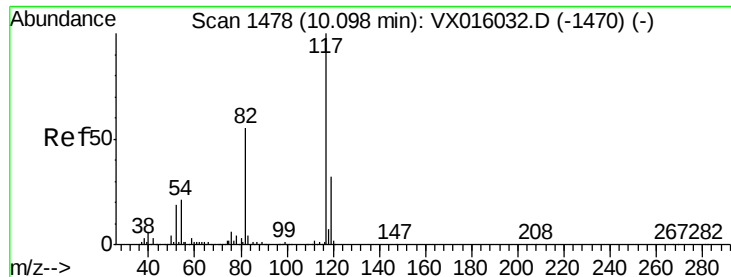
Tot Ion: 43 Resp: 54749
Ion Ratio Lower Upper
43 100
58 20.8 28.6 85.9#



#62
4-Bromofluorobenzene
Concen: 52.648 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016410.D
Acq: 22 May 2020 14:28

Tgt Ion: 95 Resp: 178230
Ion Ratio Lower Upper
95 100
174 82.7 0.0 159.4
176 78.5 0.0 157.6

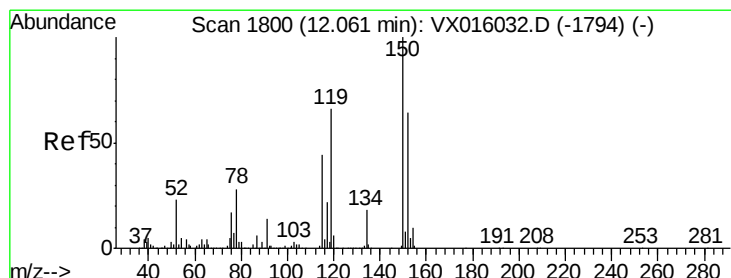
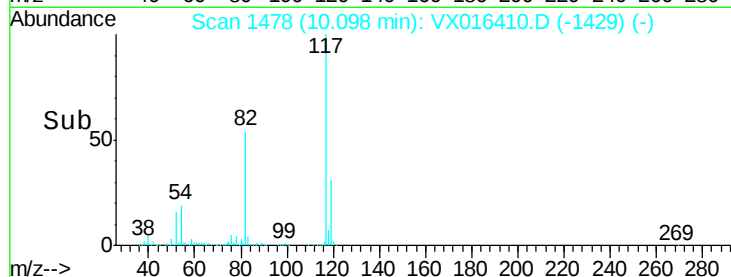
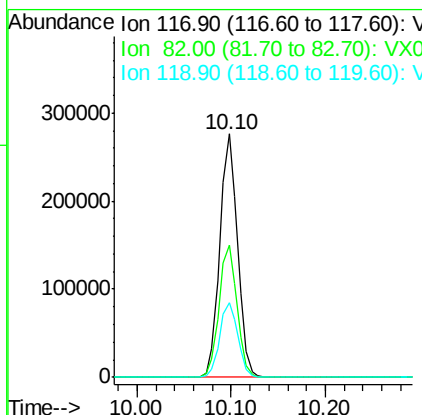
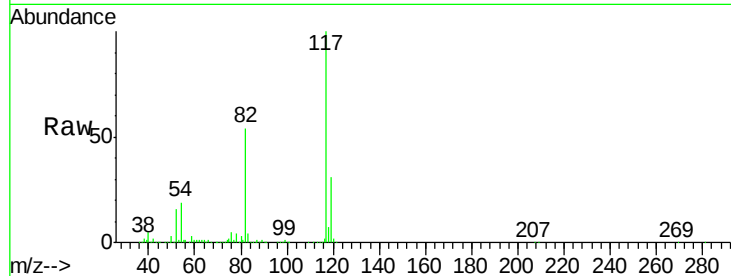




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016410.D
Acq: 22 May 2020 14:28

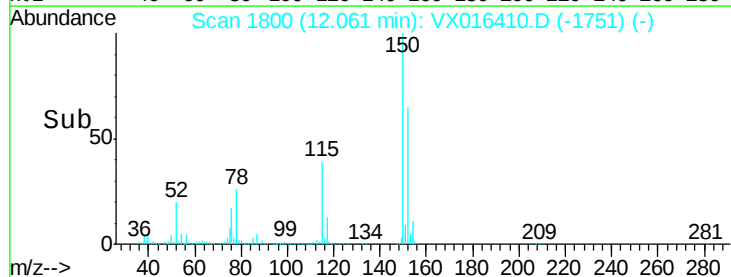
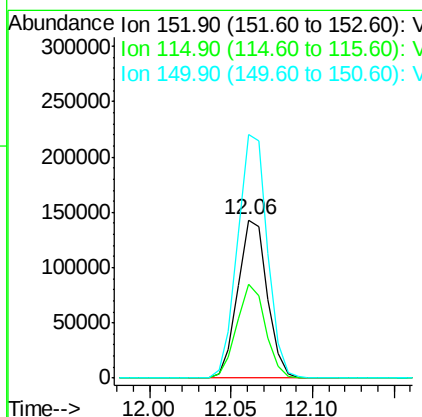
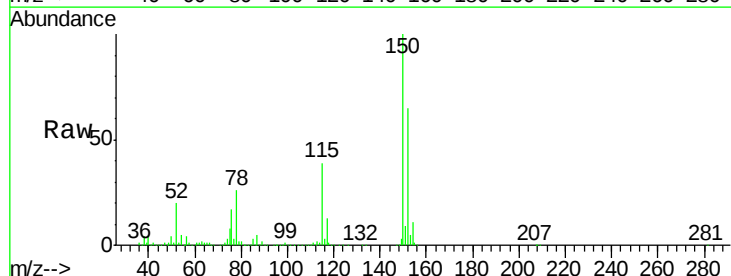
Instrument :
MSVOA_X
ClientSampleId :

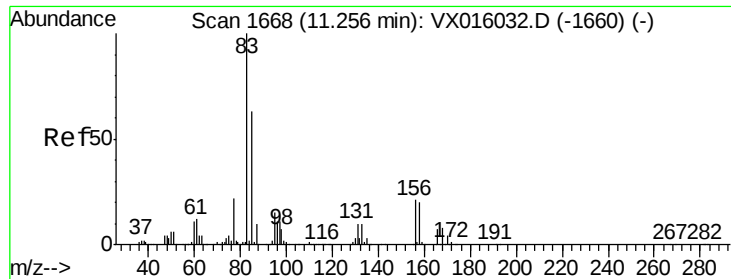
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.4	66.6
119	30.7	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016410.D
Acq: 22 May 2020 14:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	41.3	124.1
150	156.3	0.0	352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.087 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016410.D

Acq: 22 May 2020 14:28

Instrument :

MSVOA_X

ClientSampleId :

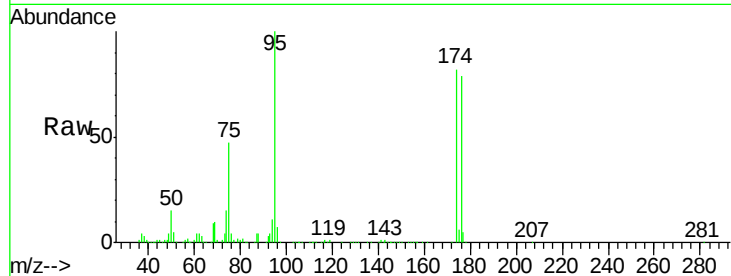
Tot Ion: 83 Resp: 94

Ion Ratio Lower Upper

83 100

131 239.4 5.1 15.4#

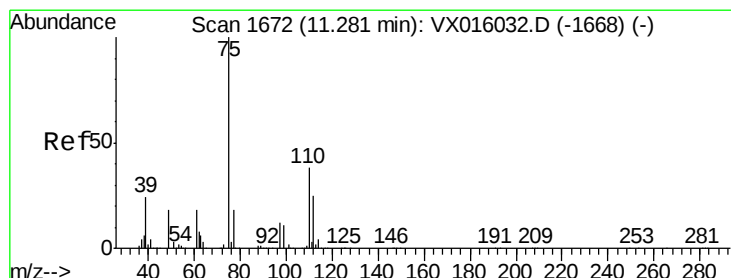
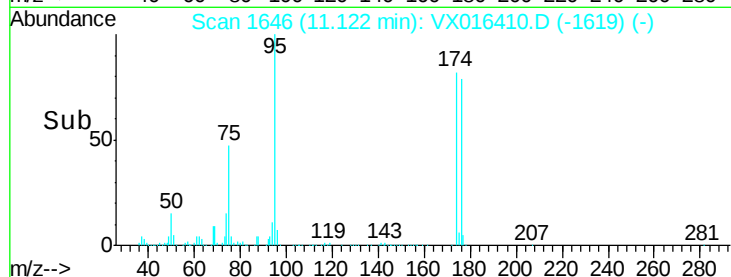
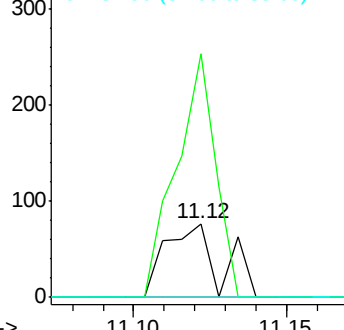
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.707 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016410.D

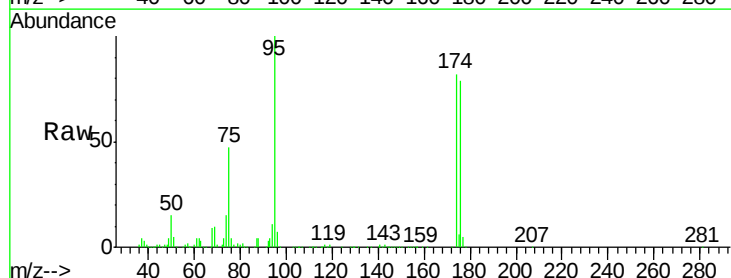
Acq: 22 May 2020 14:28

Tgt Ion: 75 Resp: 84557

Ion Ratio Lower Upper

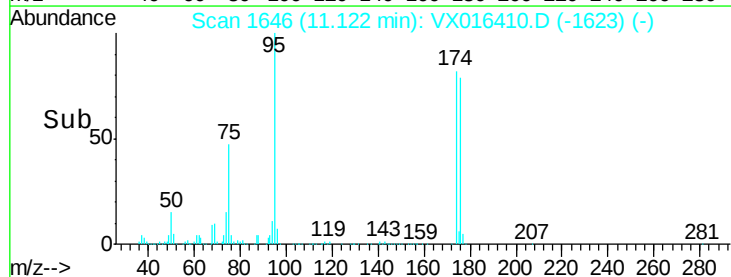
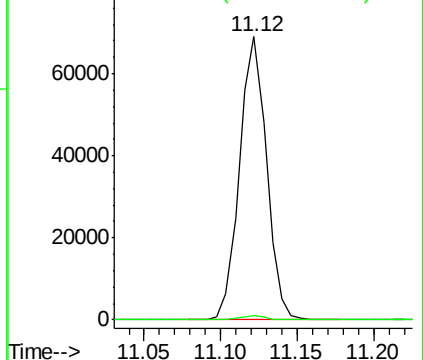
75 100

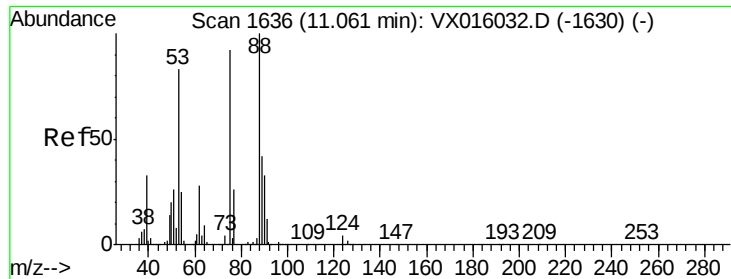
77 1.4 21.2 63.6#



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: 49.347 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016410.D

Acq: 22 May 2020 14:28

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 84557

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#

