

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX010620\
 Data File : VX014425.D
 Acq On : 06 Jan 2020 14:22
 Operator : JC/SP
 Sample : K6484-01DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40121DL

Quant Time: Jan 06 17:19:31 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	571810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	869939	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	788420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	367559	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	309550	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
35) Dibromofluoromethane	5.48	113	257005	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	8.71	98	1033869	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.13	95	365469	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

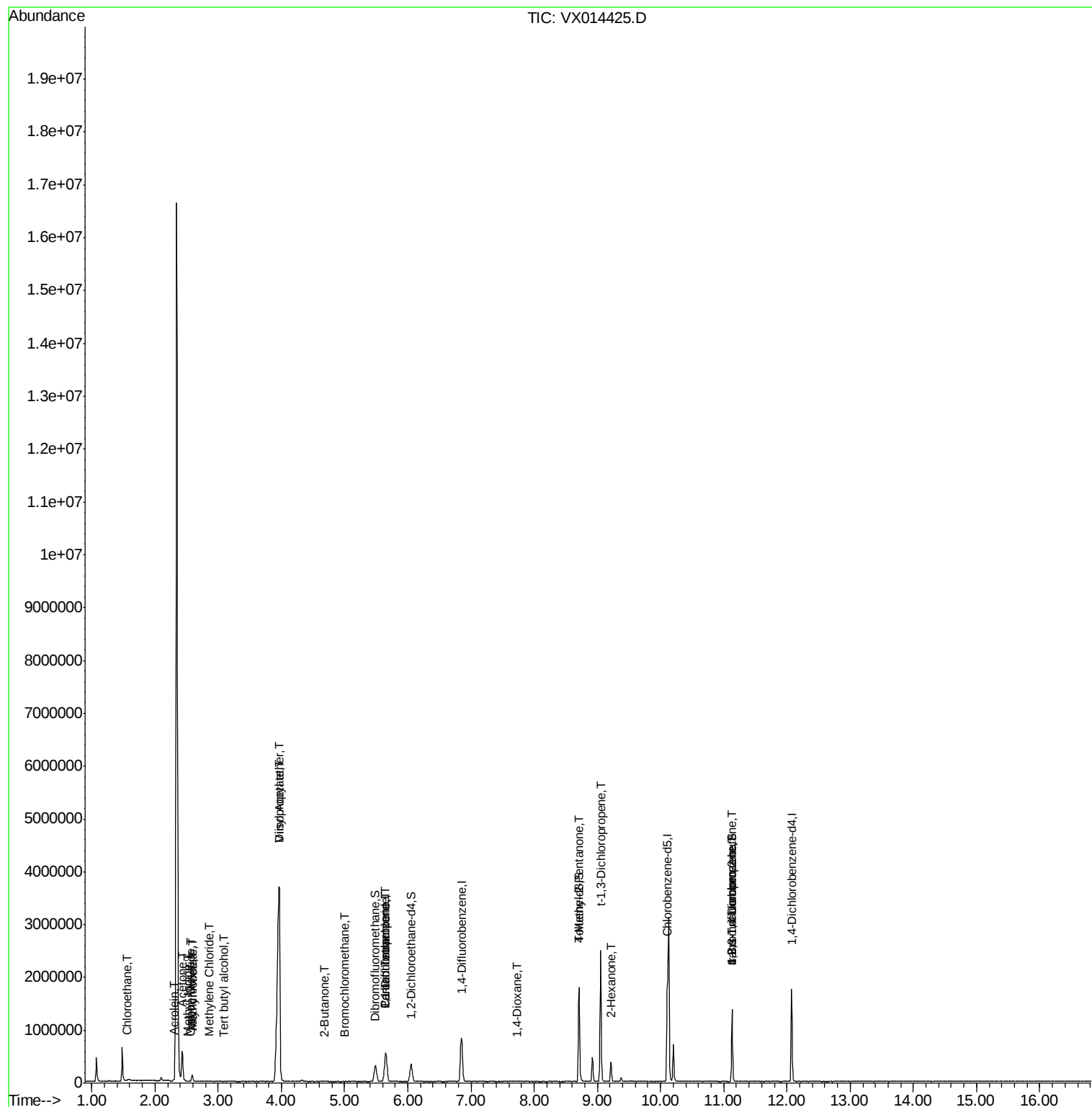
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.56	64	2722	0.609	ug/l #	50
10) Methyl Iodide	2.53	142	1550	2.827	ug/l #	53
11) Tert butyl alcohol	3.09	59	378	0.270	ug/l #	1
13) Acrolein	2.30	56	36241	45.211	ug/l	90
14) Allyl chloride	2.59	41	11491	1.170	ug/l #	76
16) Acetone	2.43	43	558650	132.780	ug/l	90
17) Carbon Disulfide	2.56	76	1145	0.824	ug/l #	81
18) Methyl Acetate	2.59	43	29079	3.488	ug/l #	53
20) Methylene Chloride	2.84	84	6524	0.985	ug/l #	94
22) Diisopropyl ether	3.97	45	291732	14.907	ug/l #	1
23) Vinyl Acetate	3.97	43	678208	42.466	ug/l #	72
25) 2-Butanone	4.67	43	7194	1.387	ug/l	92
28) Bromochloromethane	5.00	49	416	0.552	ug/l #	66
36) 1,1-Dichloropropene	5.65	75	37194	4.660	ug/l #	51
38) Carbon Tetrachloride	5.65	117	50688	6.971	ug/l #	15
49) 1,4-Dioxane	7.73	88	85	0.585	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	4250	0.464	ug/l #	1
53) t-1,3-Dichloropropene	9.06	75	4100	0.477	ug/l #	63
59) 2-Hexanone	9.21	43	19167	2.599	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	177380	22.229	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	177380	62.742	ug/l #	12

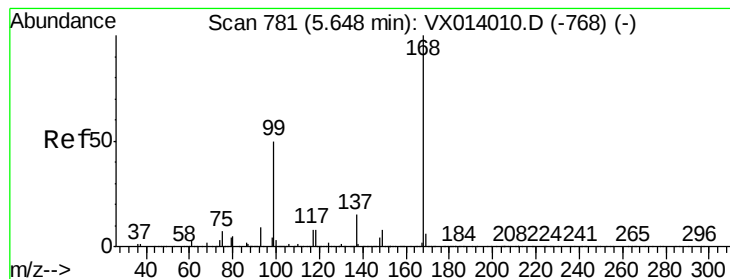
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX010620\
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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# 781

Delta R.T. 0.00 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

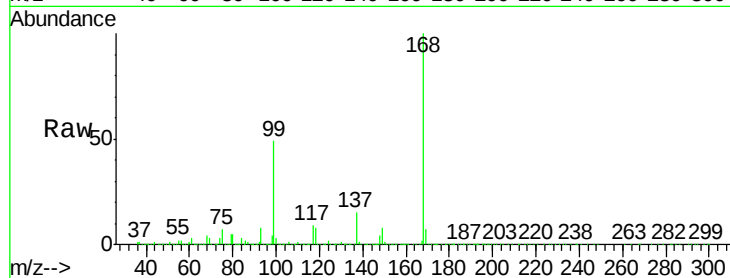
40121DL

Tgt Ion:168 Resp: 571810

Ion Ratio Lower Upper

168 100

99 49.4 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

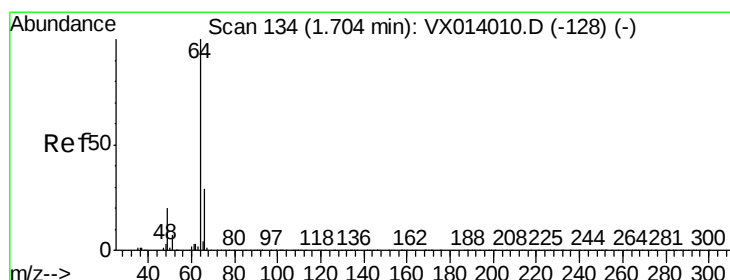
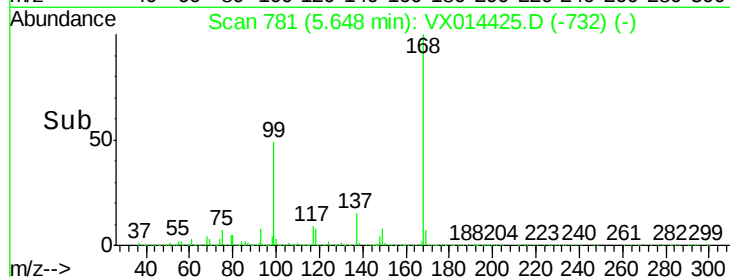
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.609 ug/l

RT: 1.56 min Scan# 110

Delta R.T. -0.15 min

Lab File: VX014425.D

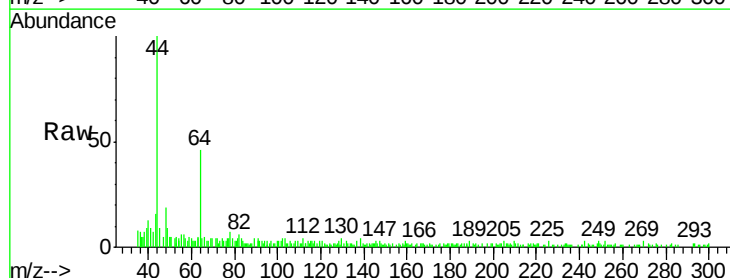
Acq: 06 Jan 2020 14:22

Tgt Ion: 64 Resp: 2722

Ion Ratio Lower Upper

64 100

66 2.5 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.56

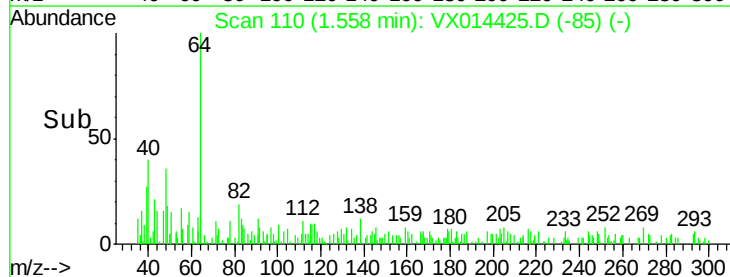
3000

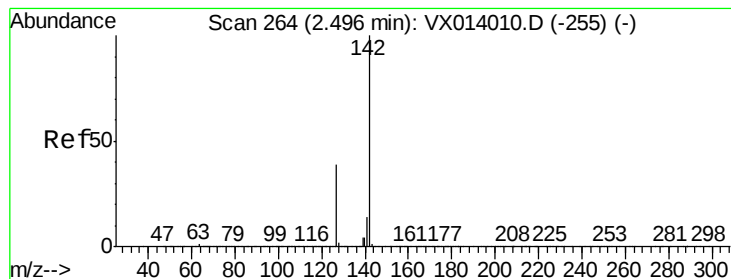
2000

1000

0

Time-->





#10

Methyl Iodide

Concen: 2.827 ug/l

RT: 2.53 min Scan# 269

Delta R.T. 0.03 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

Instrument :

MSVOA_X

ClientSampleID :

40121DL

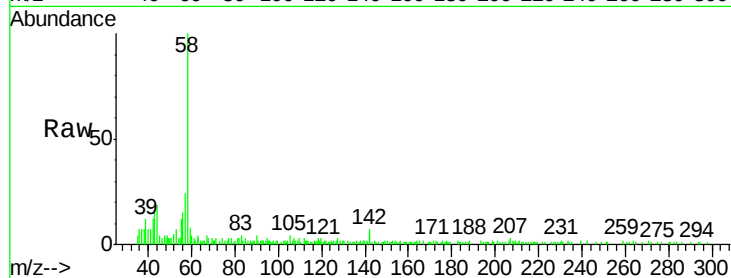
Tgt Ion: 142 Resp: 1550

Ion Ratio Lower Upper

142 100

127 0.0 31.6 47.4#

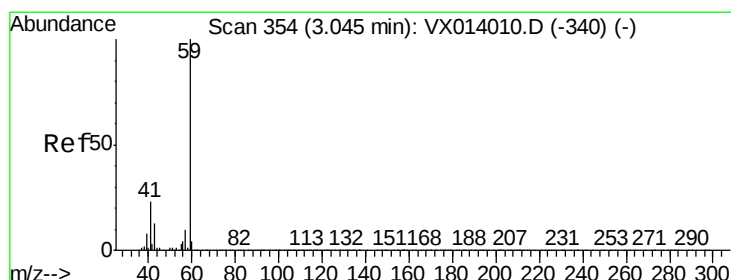
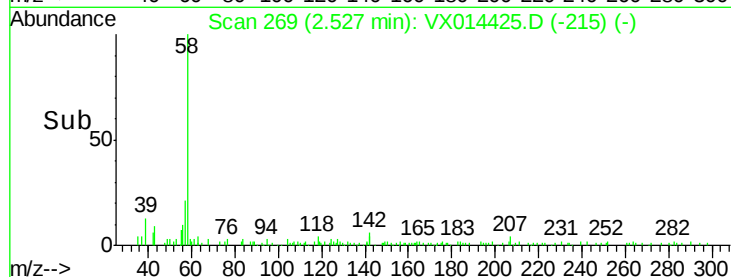
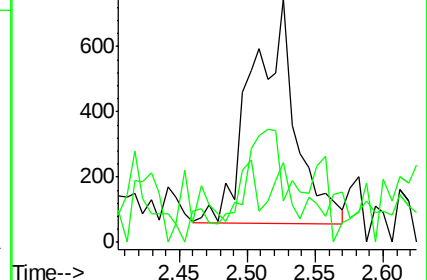
141 14.7 11.6 17.4



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: 0.270 ug/l

RT: 3.09 min Scan# 361

Delta R.T. 0.04 min

Lab File: VX014425.D

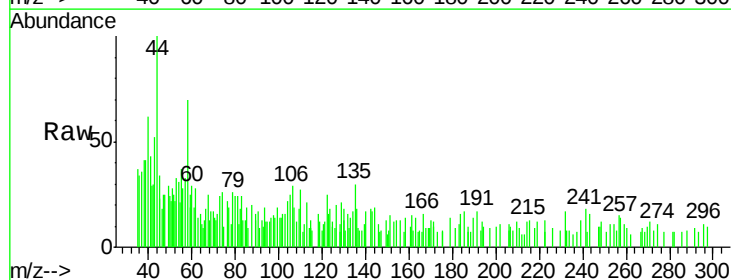
Acq: 06 Jan 2020 14:22

Tgt Ion: 59 Resp: 378

Ion Ratio Lower Upper

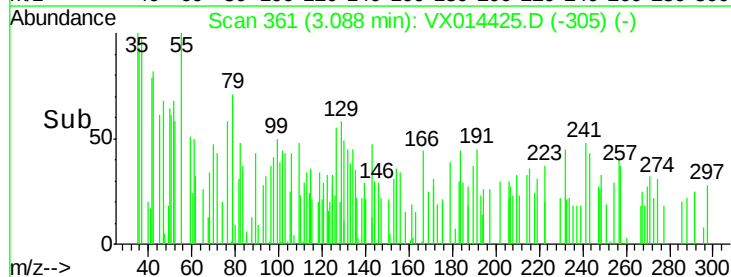
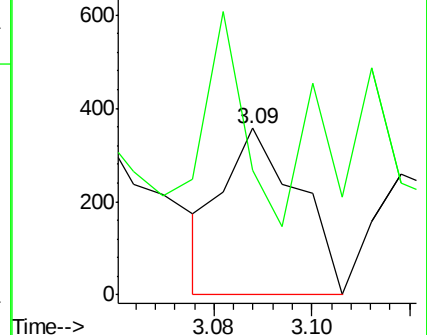
59 100

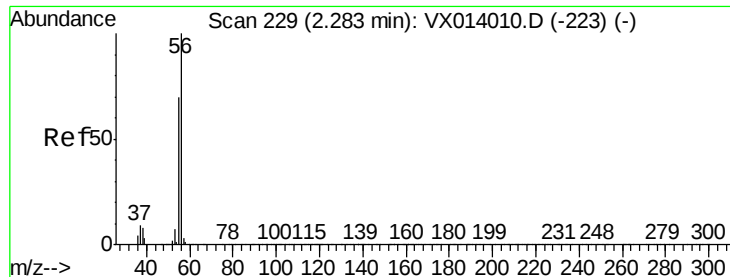
57 66.1 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 45.211 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

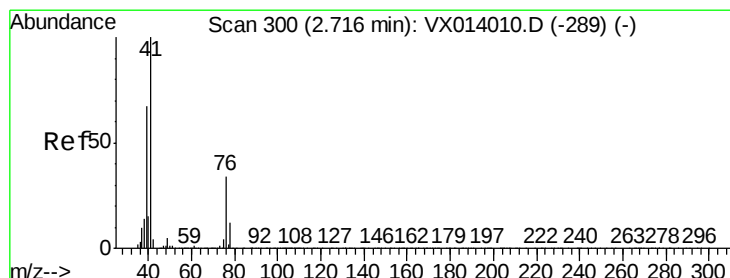
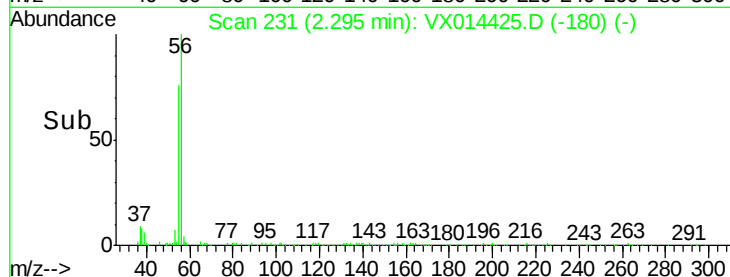
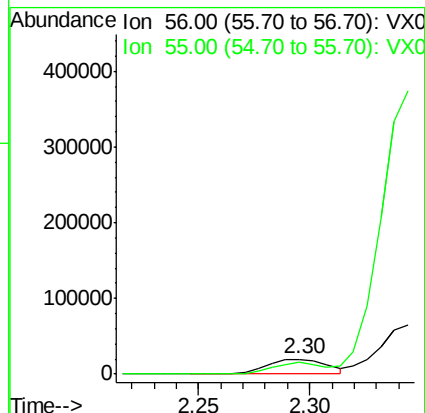
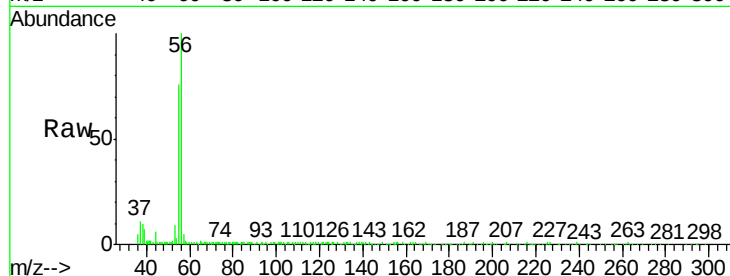
40121DL

Tgt Ion: 56 Resp: 36241

Ion Ratio Lower Upper

56 100

55 63.0 56.9 85.3



#14

Allyl chloride

Concen: 1.170 ug/l

RT: 2.59 min Scan# 279

Delta R.T. -0.13 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

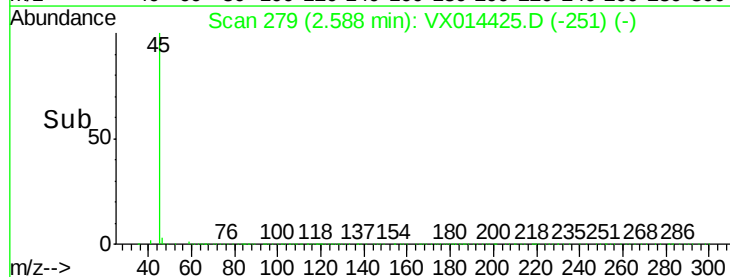
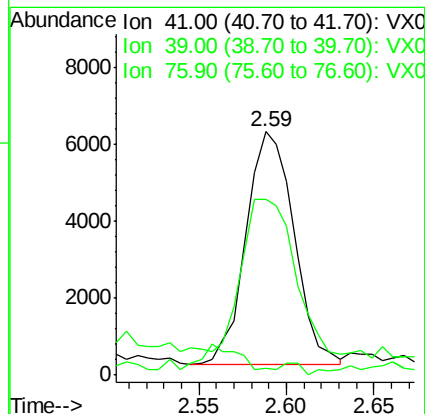
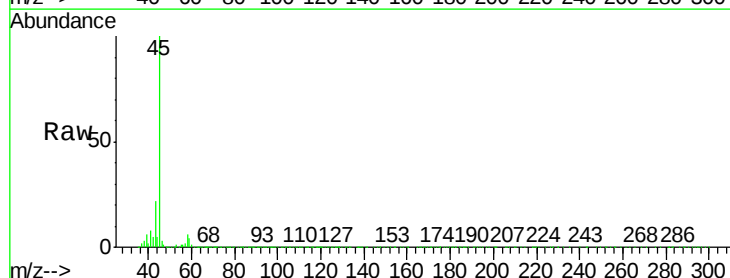
Tgt Ion: 41 Resp: 11491

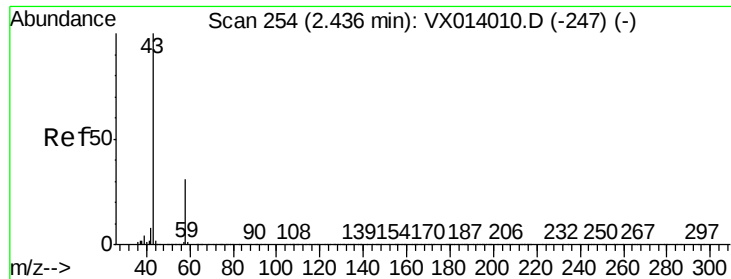
Ion Ratio Lower Upper

41 100

39 71.7 51.8 77.8

76 1.9 25.9 38.9#

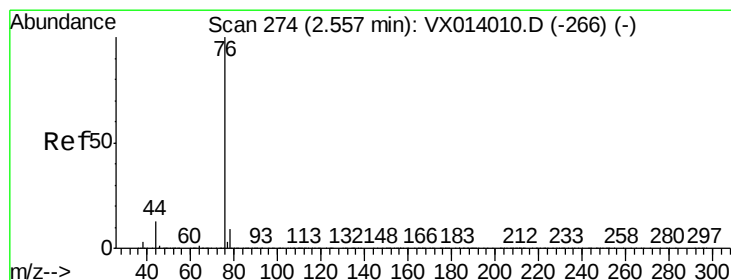
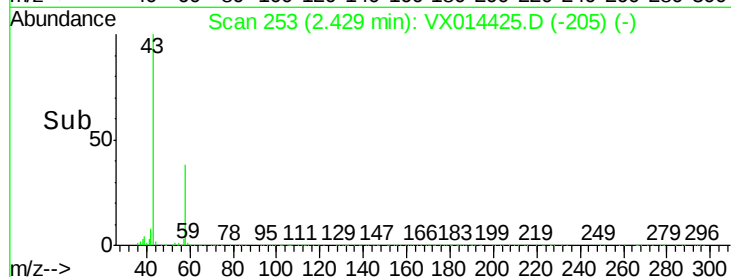
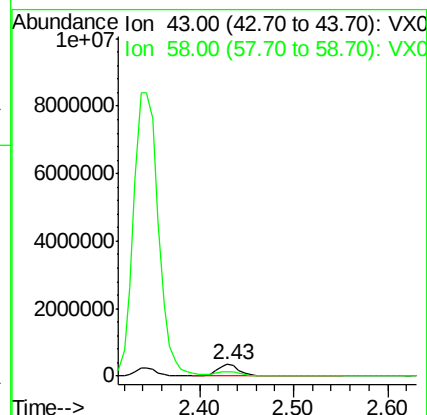
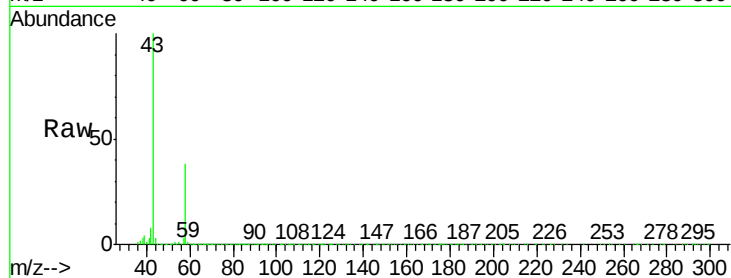




#16
Acetone
Concen: 132.780 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014425.D
Acq: 06 Jan 2020 14:22

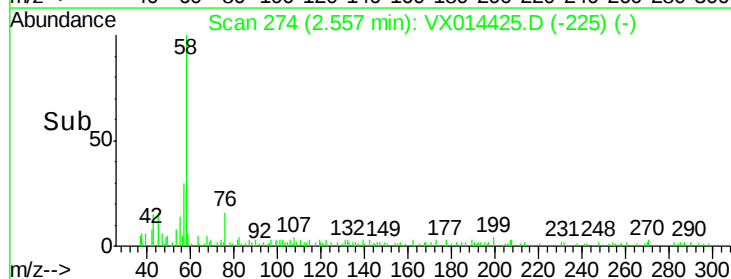
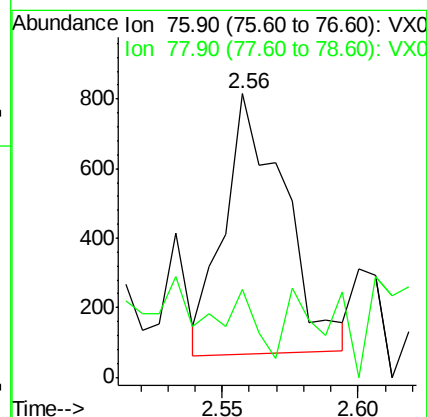
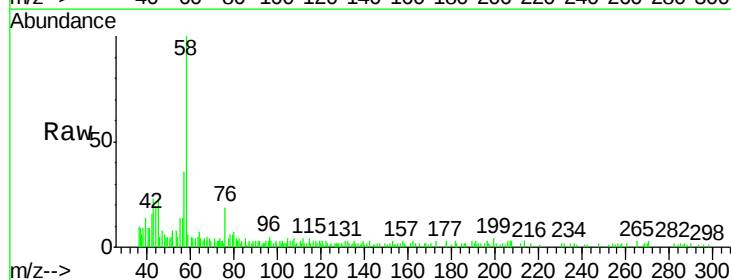
Instrument :
MSVOA_X
ClientSampleId :
40121DL

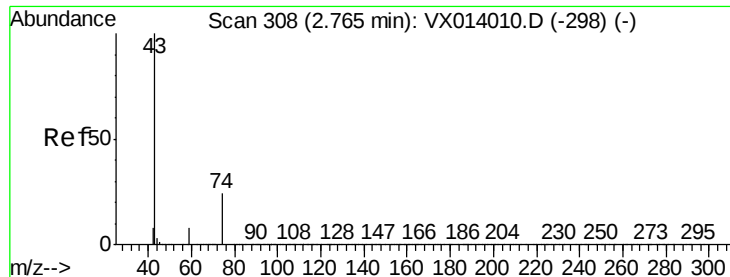
Tgt Ion: 43 Resp: 558650
Ion Ratio Lower Upper
43 100
58 36.4 24.9 37.3



#17
Carbon Disulfide
Concen: 0.824 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX014425.D
Acq: 06 Jan 2020 14:22

Tgt Ion: 76 Resp: 1145
Ion Ratio Lower Upper
76 100
78 15.9 7.2 10.8#

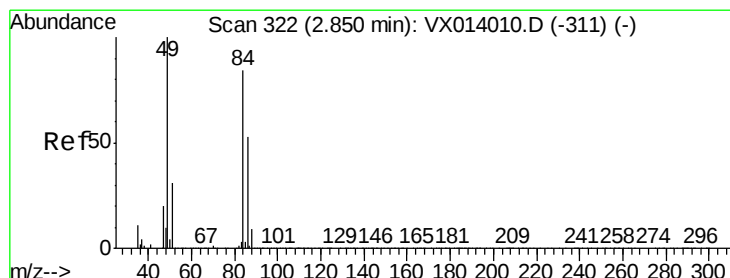
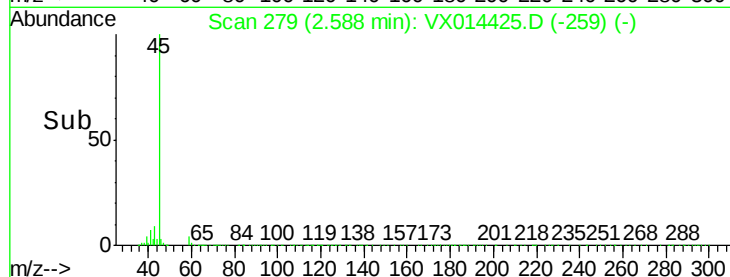
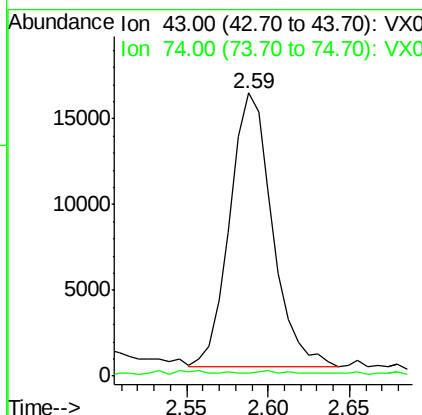
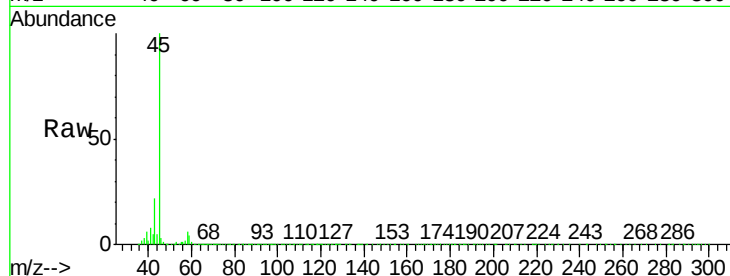




#18
Methyl Acetate
Concen: 3.488 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.18 min
Lab File: VX014425.D
Acq: 06 Jan 2020 14:22

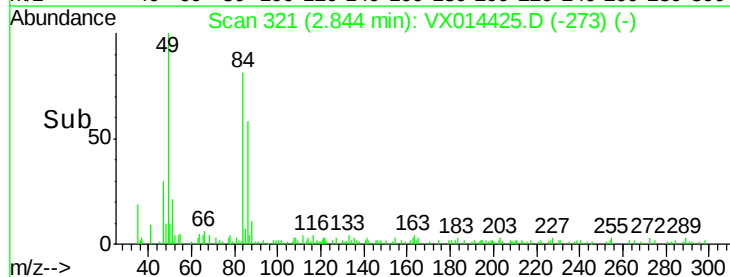
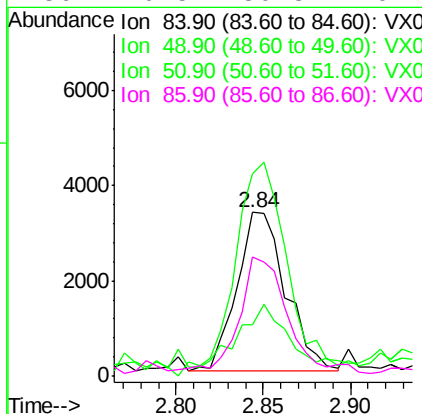
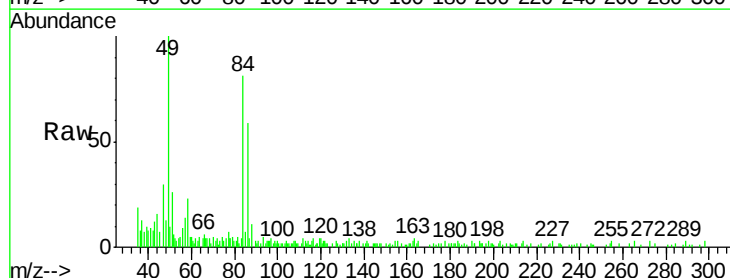
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MSVOA_X
ClientSampleId :
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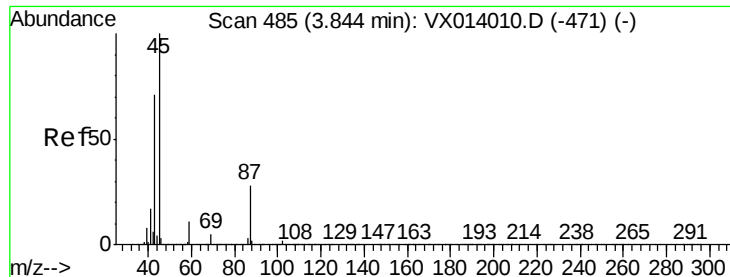
Tgt Ion: 43 Resp: 29079
Ion Ratio Lower Upper
43 100
74 0.9 19.5 29.3#



#20
Methylene Chloride
Concen: 0.985 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014425.D
Acq: 06 Jan 2020 14:22

Tgt Ion: 84 Resp: 6524
Ion Ratio Lower Upper
84 100
49 118.6 95.8 143.6
51 27.4 29.8 44.8#
86 70.5 50.8 76.2



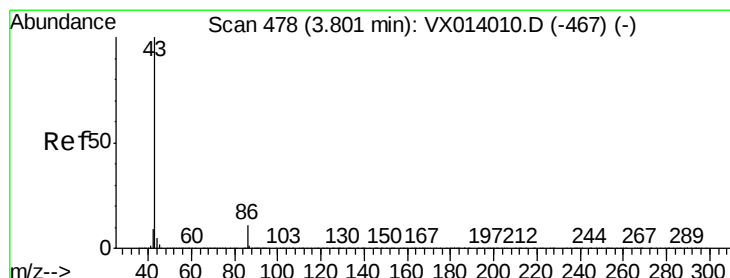
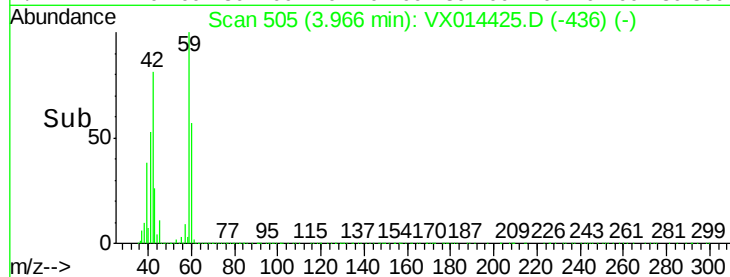
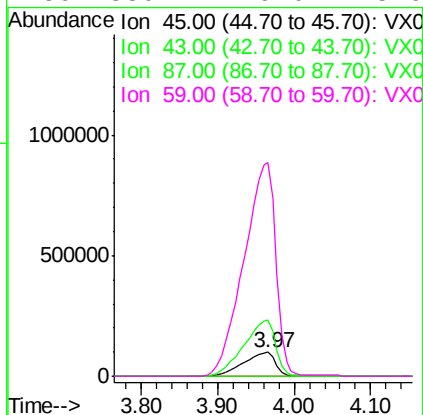
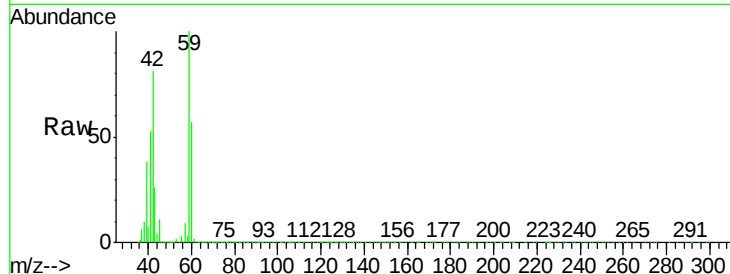


#22

Diisopropyl ether
 Concen: 14.907 ug/l
 RT: 3.97 min Scan# 505
 Delta R.T. 0.12 min
 Lab File: VX014425.D
 Acq: 06 Jan 2020 14:22

Instrument :
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 ClientSampleId :
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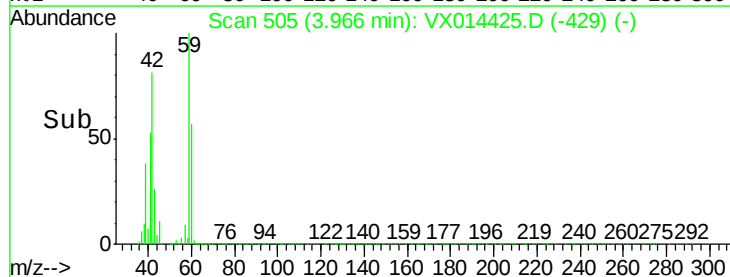
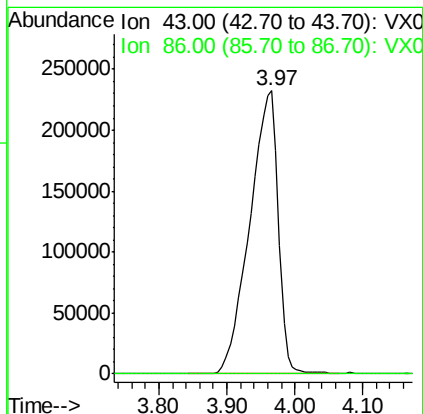
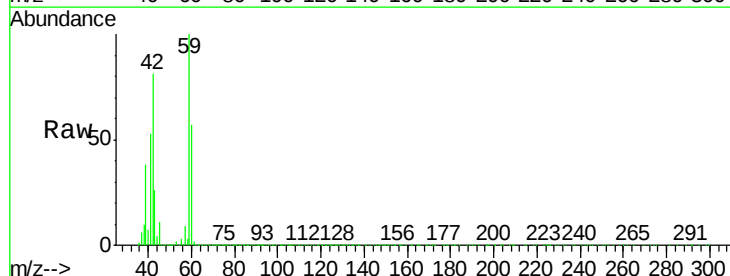
Tgt Ion:	45	Resp:	291732
Ion	Ratio	Lower	Upper
45	100		
43	233.0	57.4	86.0#
87	0.0	21.9	32.9#
59	889.1	9.0	13.6#

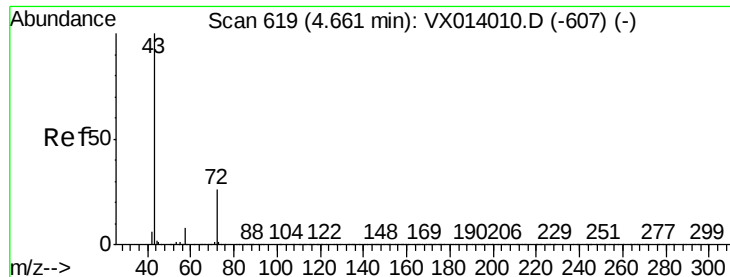


#23

Vinyl Acetate
 Concen: 42.466 ug/l
 RT: 3.97 min Scan# 505
 Delta R.T. 0.16 min
 Lab File: VX014425.D
 Acq: 06 Jan 2020 14:22

Tgt Ion:	43	Resp:	678208
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#





#25

2-Butanone

Concen: 1.387 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

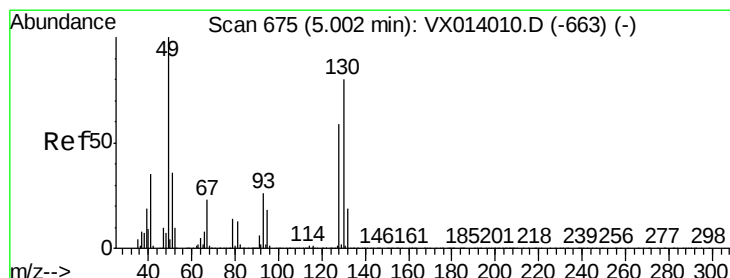
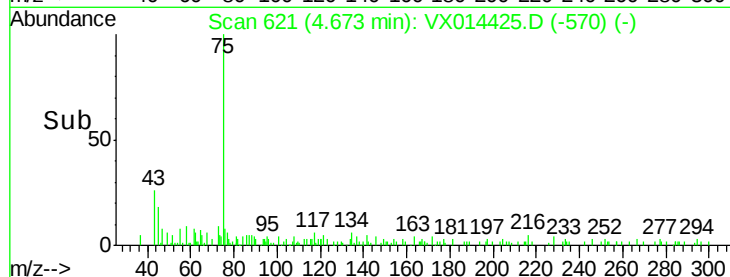
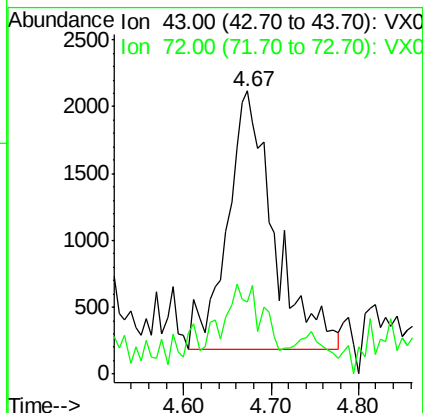
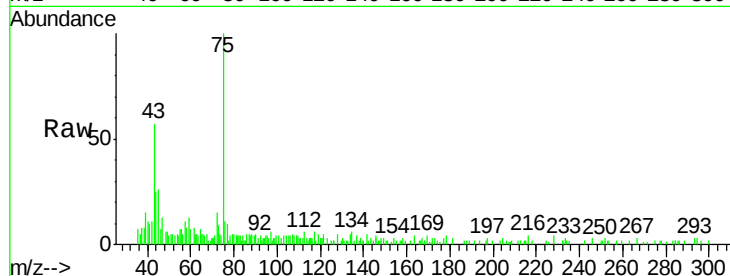
40121DL

Tgt Ion: 43 Resp: 7194

Ion Ratio Lower Upper

43 100

72 22.0 21.0 31.4



#28

Bromochloromethane

Concen: 0.552 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

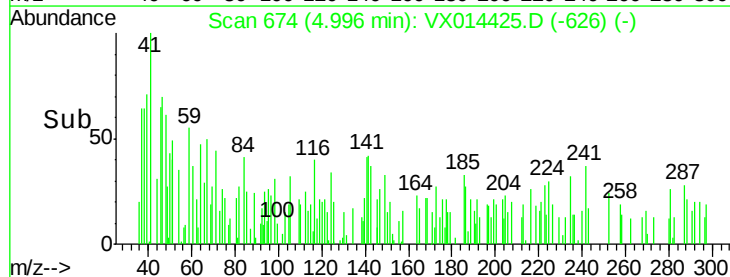
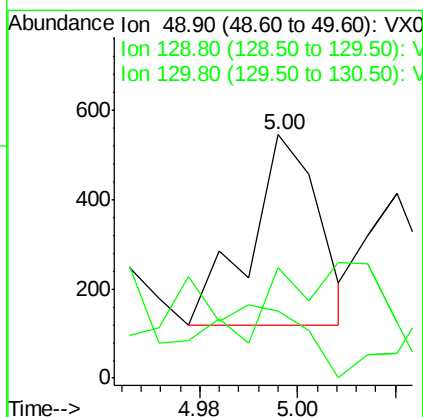
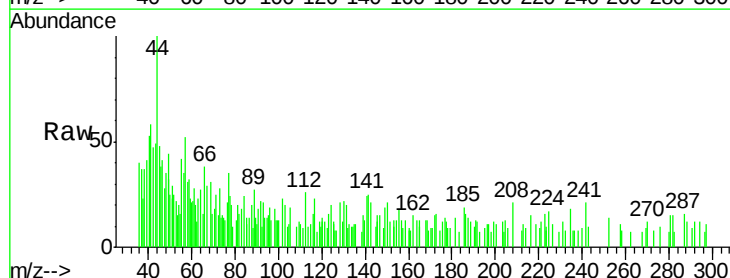
Tgt Ion: 49 Resp: 416

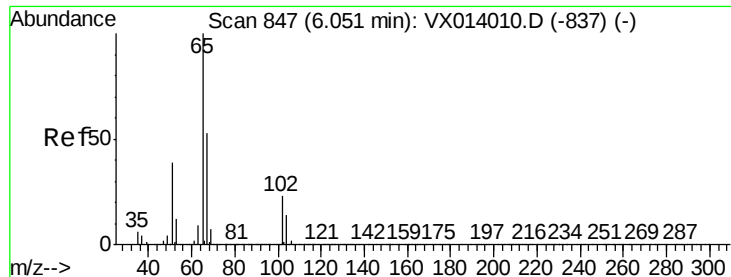
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

130 112.0 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 47.765 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

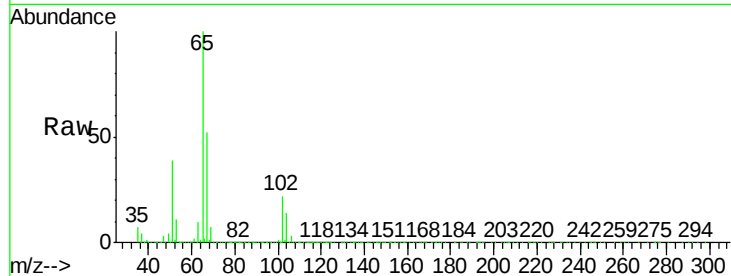
40121DL

Tgt Ion: 65 Resp: 309550

Ion Ratio Lower Upper

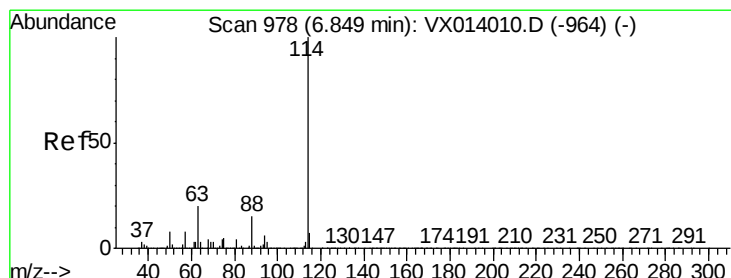
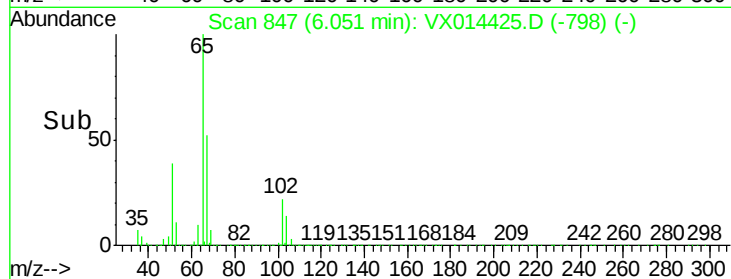
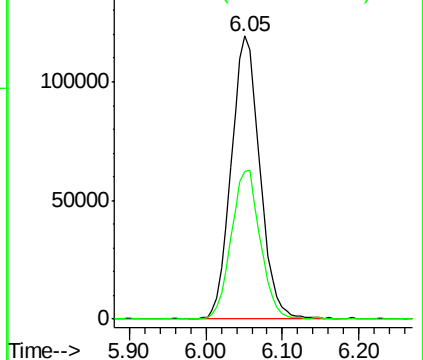
65 100

67 53.4 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

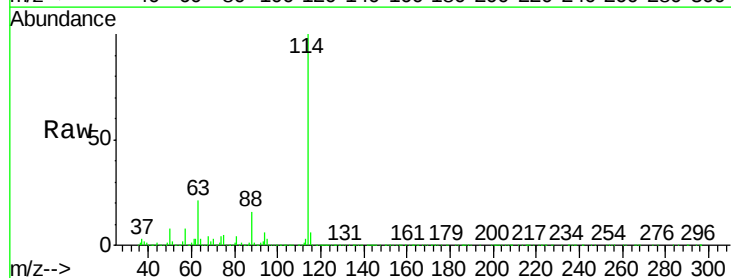
Tgt Ion: 114 Resp: 869939

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

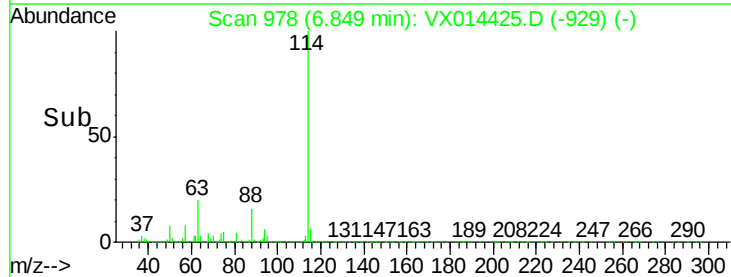
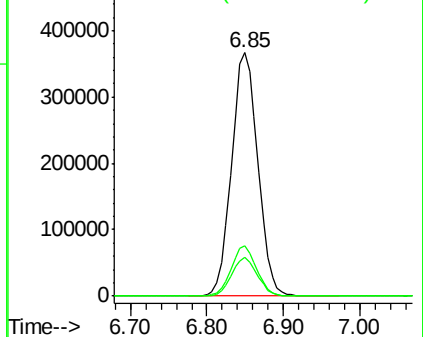
88 15.9 0.0 30.4

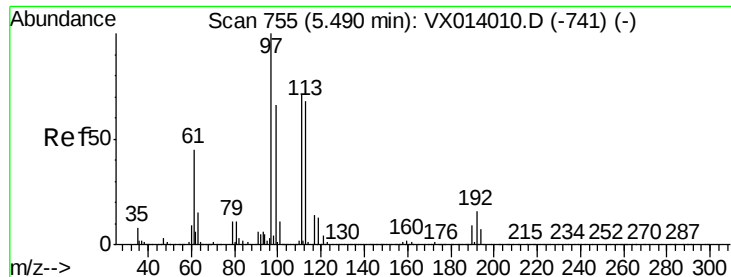


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.599 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

Instrument :

MSVOA_X

ClientSampled :

40121DL

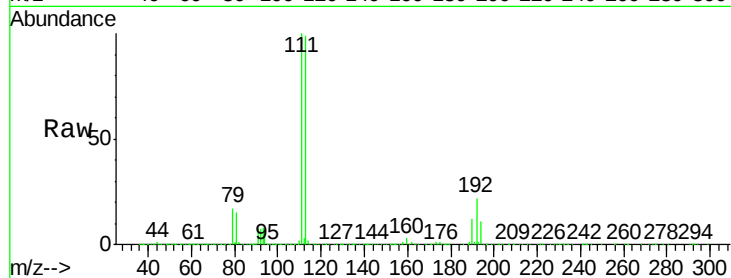
Tgt Ion:113 Resp: 257005

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

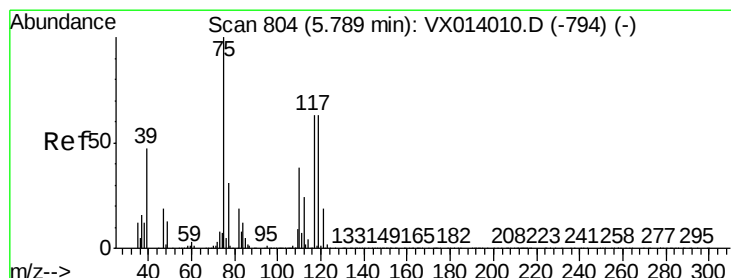
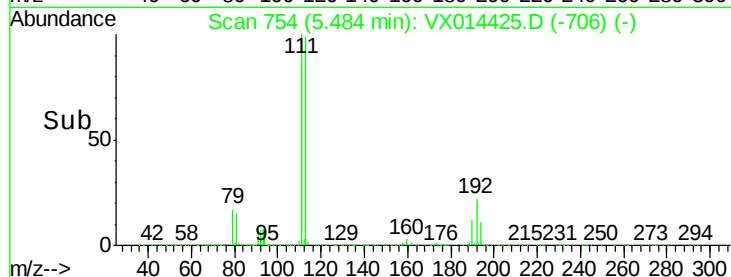
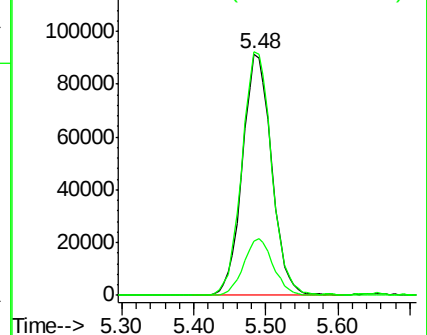
192 23.4 19.3 28.9



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: 4.660 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

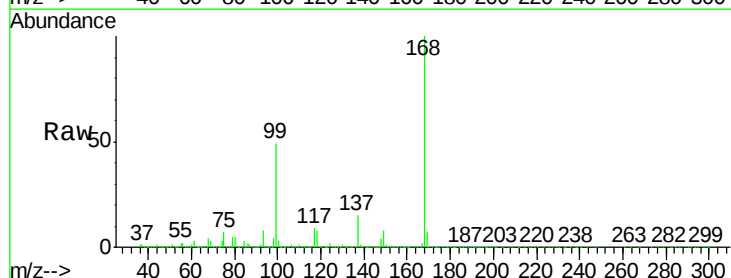
Tgt Ion: 75 Resp: 37194

Ion Ratio Lower Upper

75 100

110 11.1 18.3 54.9#

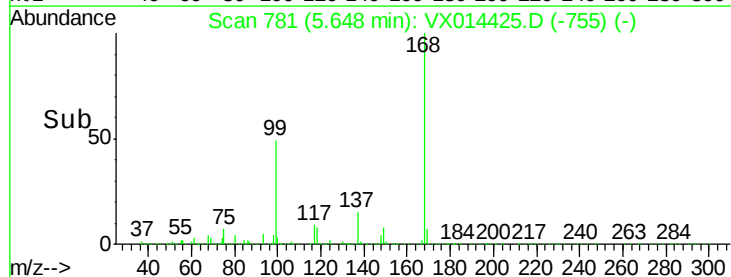
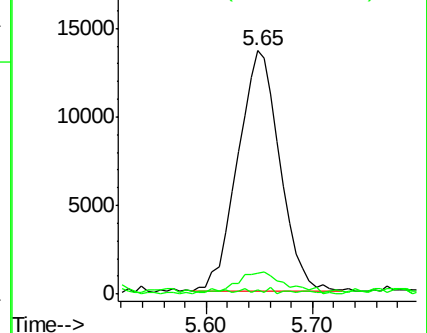
77 0.3 24.8 37.2#

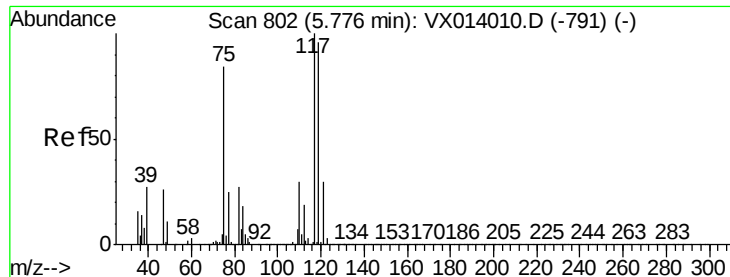


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.971 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

Instrument :

MSVOA_X

ClientSampled :

40121DL

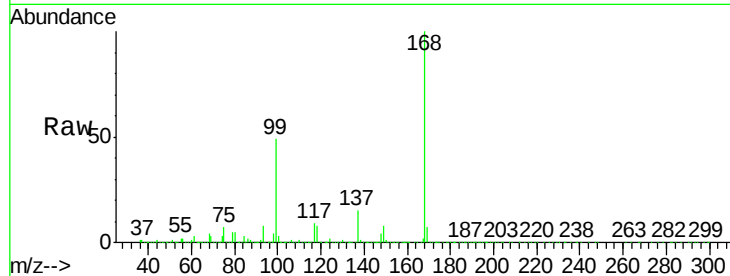
Tgt Ion: 117 Resp: 50688

Ion Ratio Lower Upper

117 100

119 3.8 76.2 114.4#

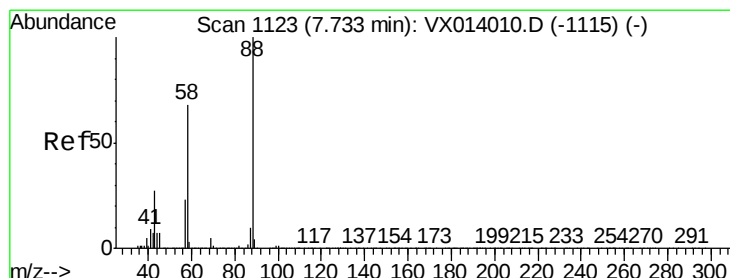
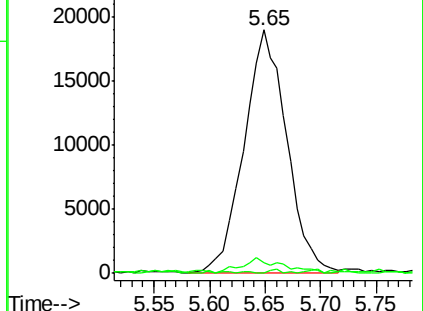
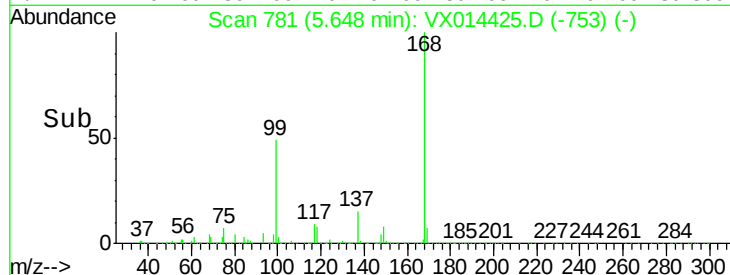
121 0.0 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 0.585 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

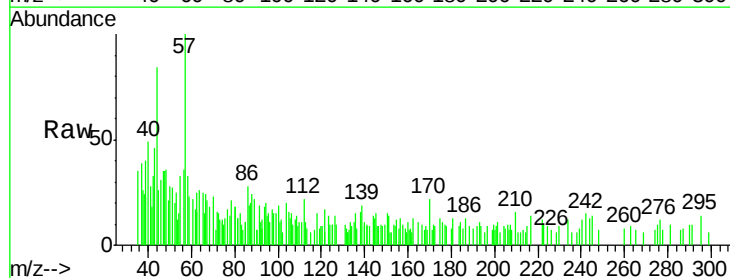
Tgt Ion: 88 Resp: 85

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

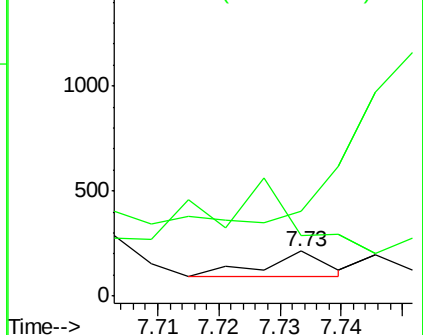
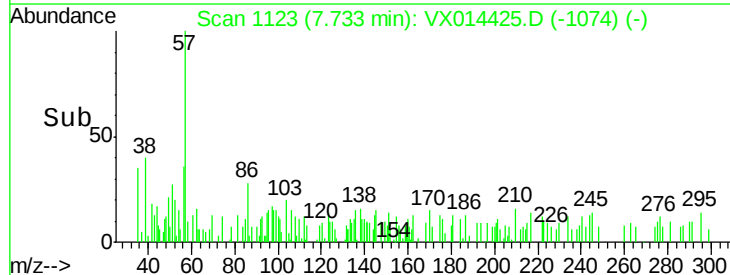
58 560.0 56.8 85.2#

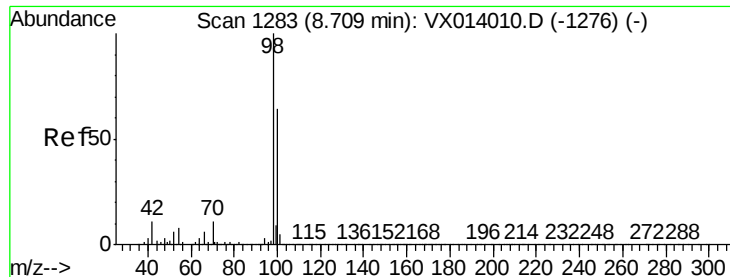


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.216 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

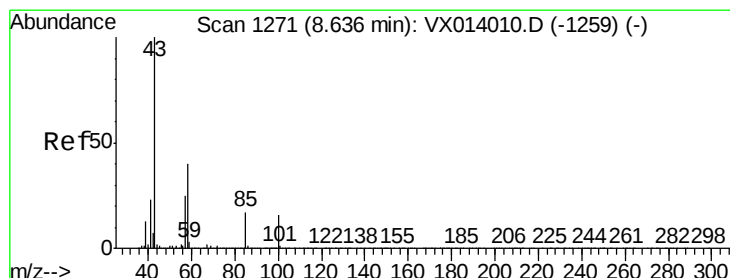
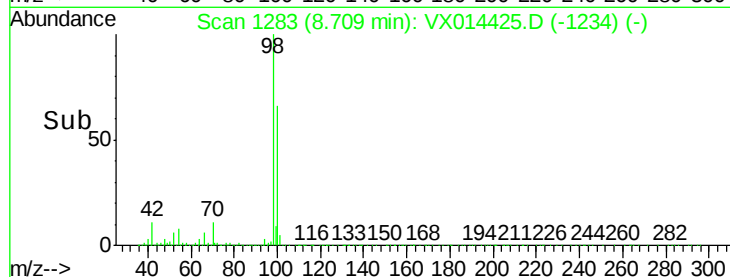
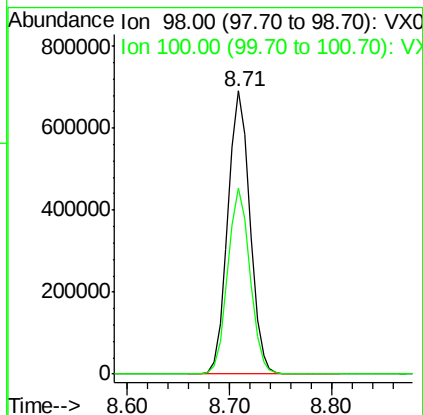
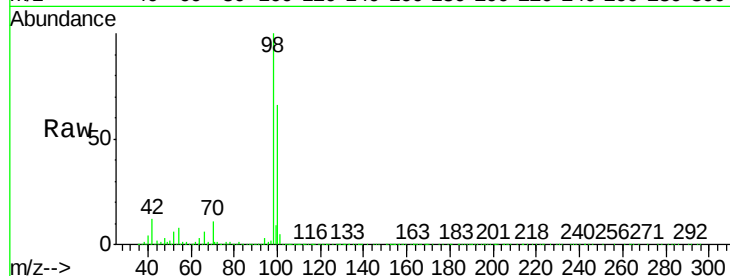
40121DL

Tgt Ion: 98 Resp: 1033869

Ion Ratio Lower Upper

98 100

100 65.7 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 0.464 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX014425.D

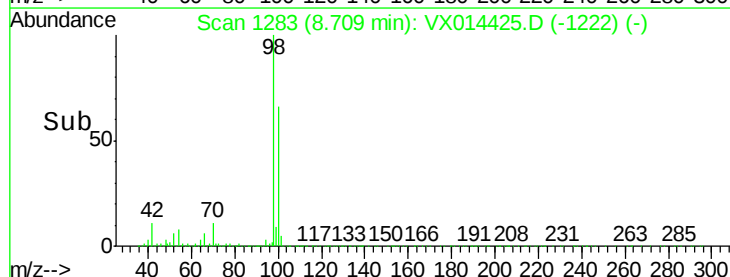
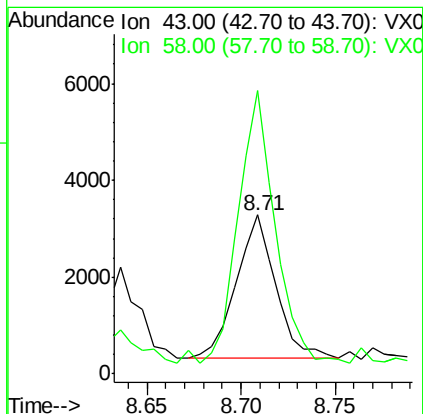
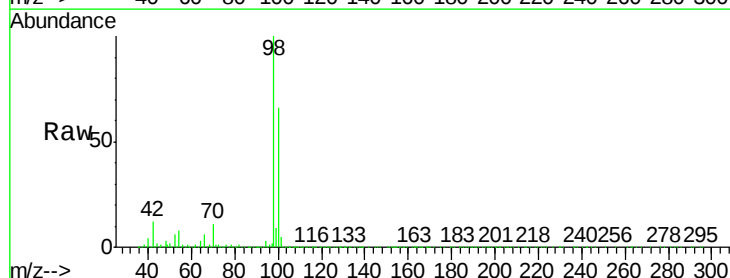
Acq: 06 Jan 2020 14:22

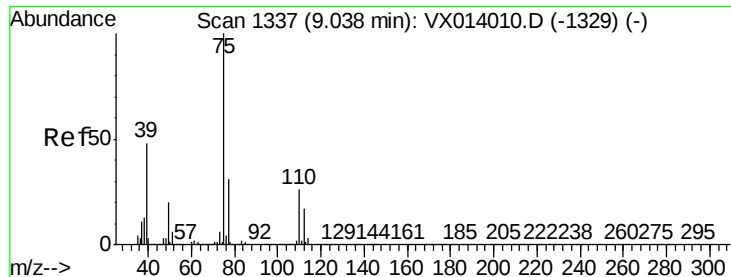
Tgt Ion: 43 Resp: 4250

Ion Ratio Lower Upper

43 100

58 180.8 32.2 48.2#

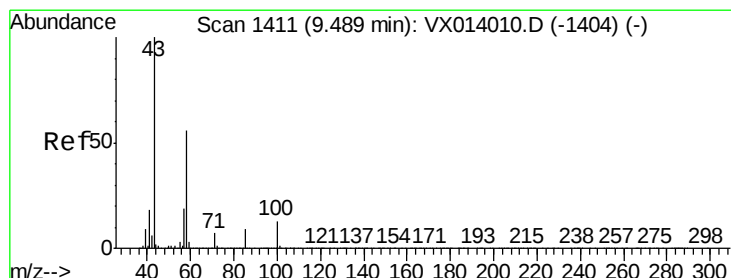
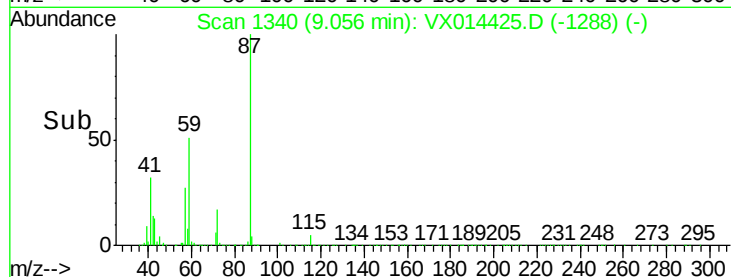
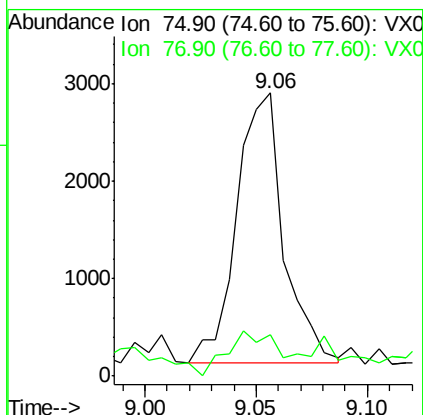
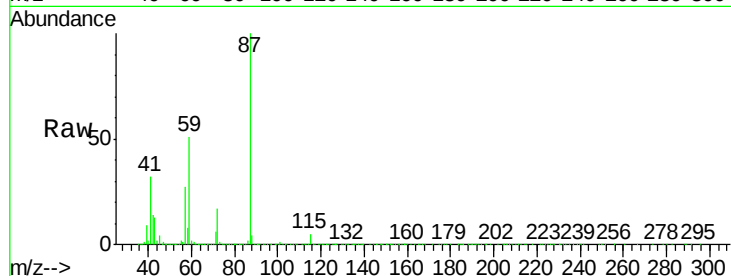




#53
t-1,3-Dichloropropene
Concen: 0.477 ug/l
RT: 9.06 min Scan# 1340
Delta R.T. 0.02 min
Lab File: VX014425.D
Acq: 06 Jan 2020 14:22

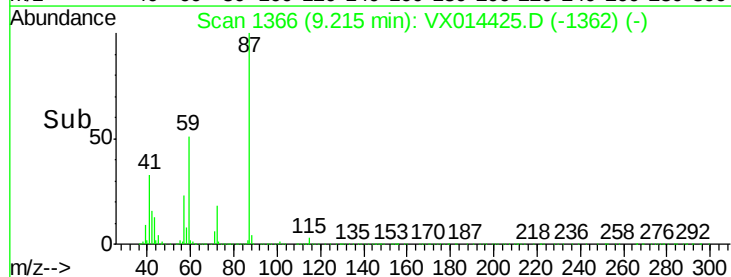
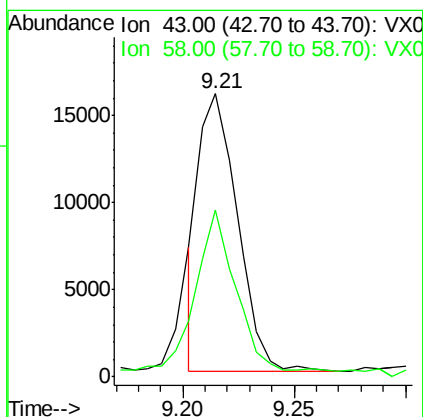
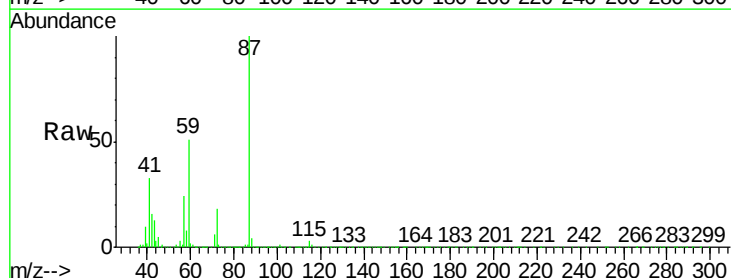
Instrument :
MSVOA_X
ClientSampleId :
40121DL

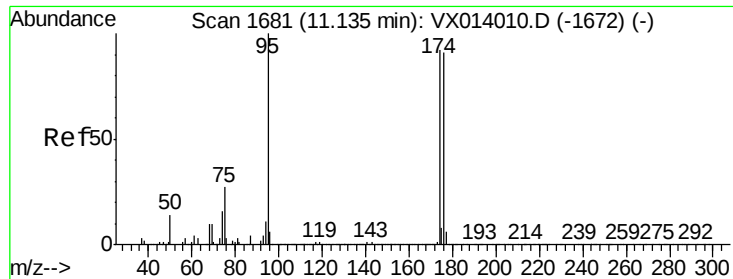
Tgt Ion: 75 Resp: 4100
Ion Ratio Lower Upper
75 100
77 10.8 25.1 37.7#



#59
2-Hexanone
Concen: 2.599 ug/l
RT: 9.21 min Scan# 1366
Delta R.T. -0.27 min
Lab File: VX014425.D
Acq: 06 Jan 2020 14:22

Tgt Ion: 43 Resp: 19167
Ion Ratio Lower Upper
43 100
58 50.5 28.0 84.0

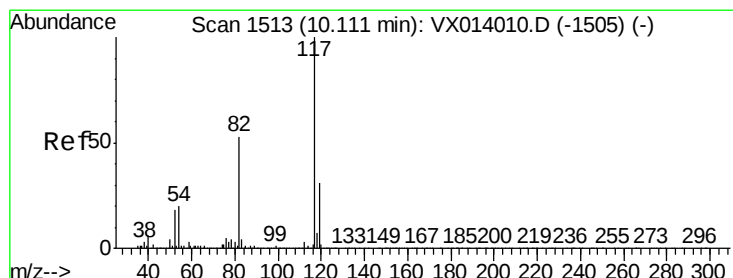
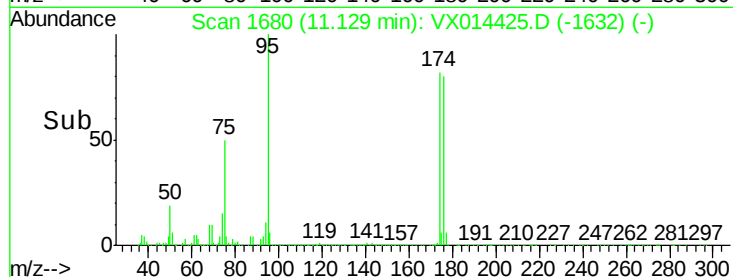
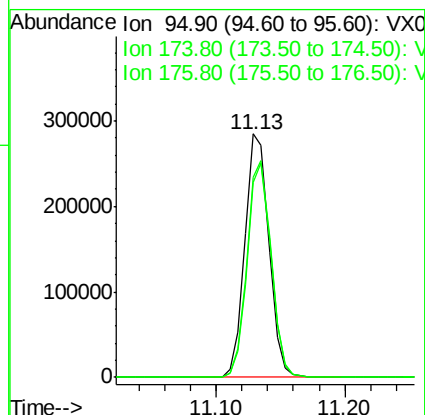
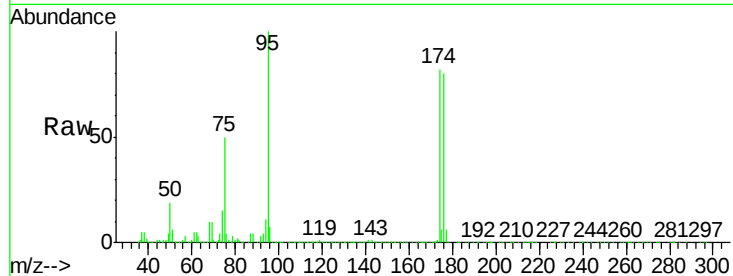




#62
4-Bromofluorobenzene
Concen: 48.561 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014425.D
Acq: 06 Jan 2020 14:22

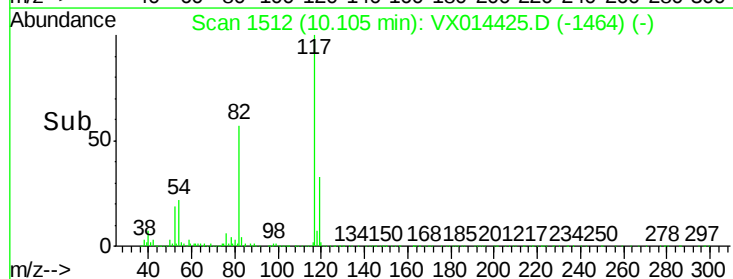
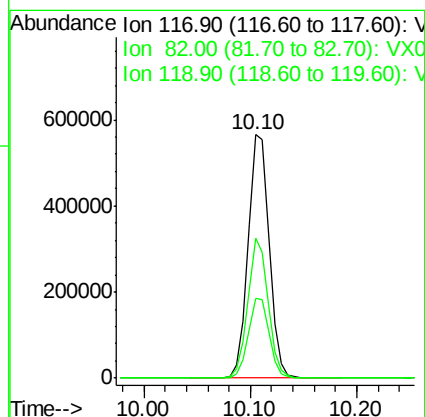
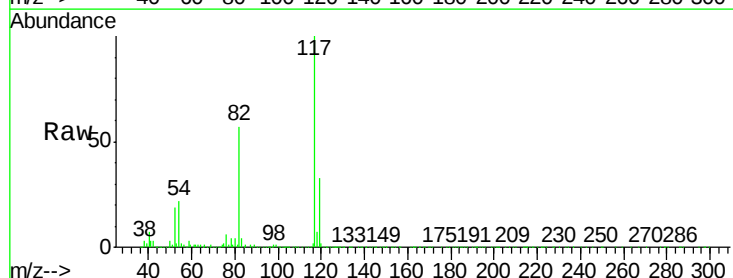
Instrument :
MSVOA_X
ClientSampleId :
40121DL

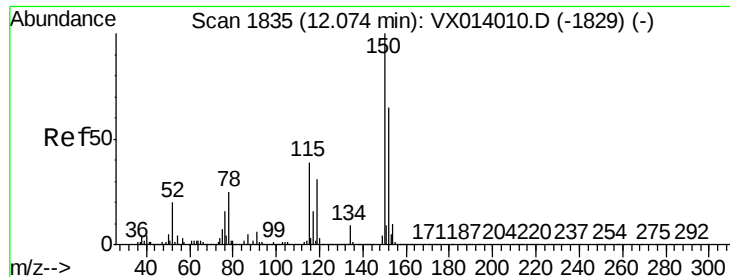
Tgt Ion: 95 Resp: 365469
Ion Ratio Lower Upper
95 100
174 88.9 0.0 175.8
176 86.5 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014425.D
Acq: 06 Jan 2020 14:22

Tgt Ion: 117 Resp: 788420
Ion Ratio Lower Upper
117 100
82 57.3 42.2 63.4
119 32.7 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

40121DL

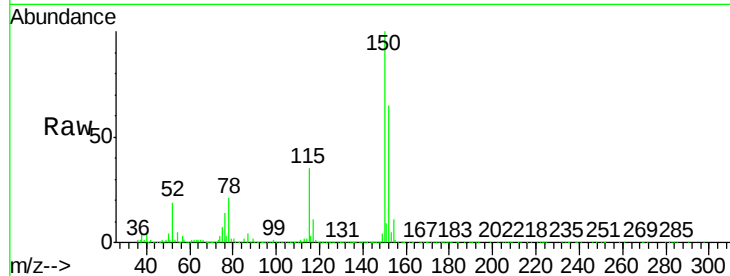
Tgt Ion: 152 Resp: 367559

Ion Ratio Lower Upper

152 100

115 55.5 38.3 114.9

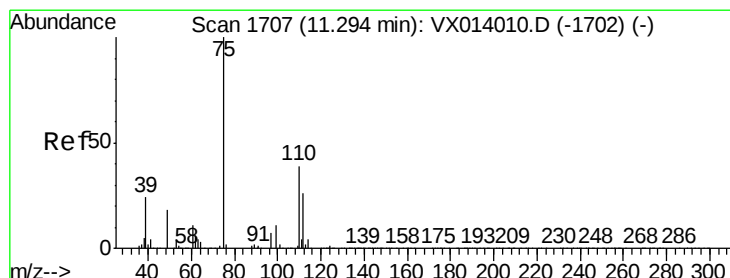
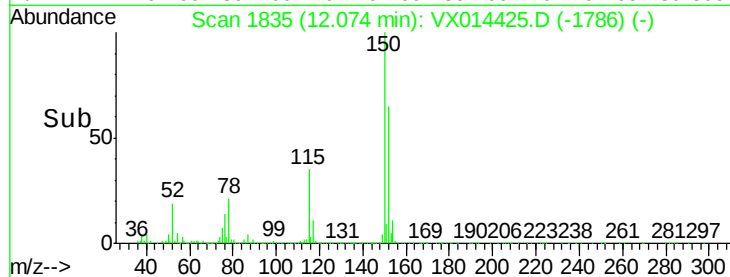
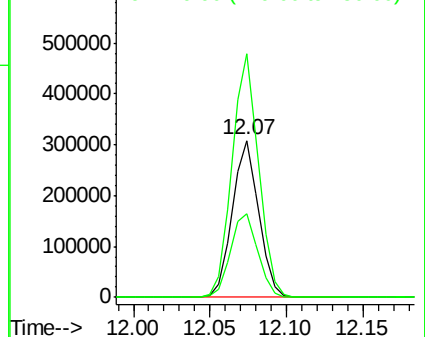
150 155.5 0.0 345.4



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



#76

1,2,3-Trichloropropane

Concen: 22.229 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014425.D

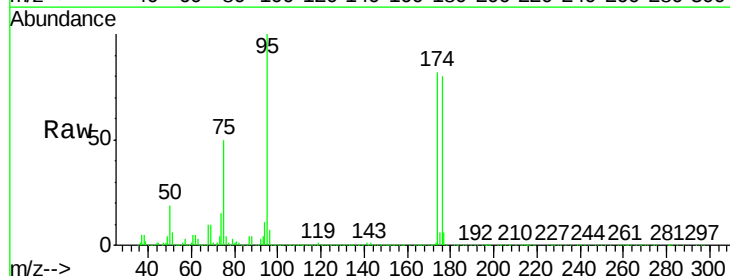
Acq: 06 Jan 2020 14:22

Tgt Ion: 75 Resp: 177380

Ion Ratio Lower Upper

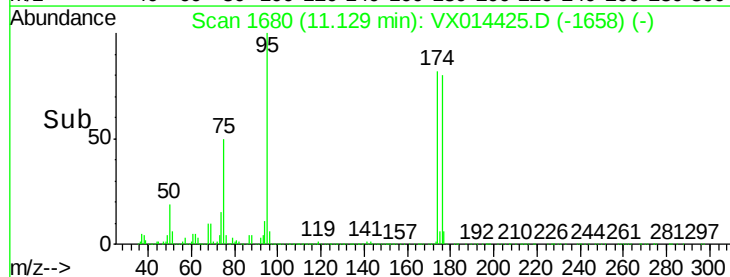
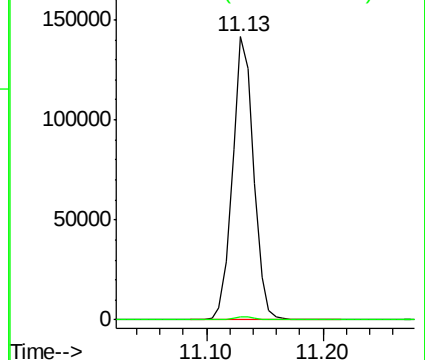
75 100

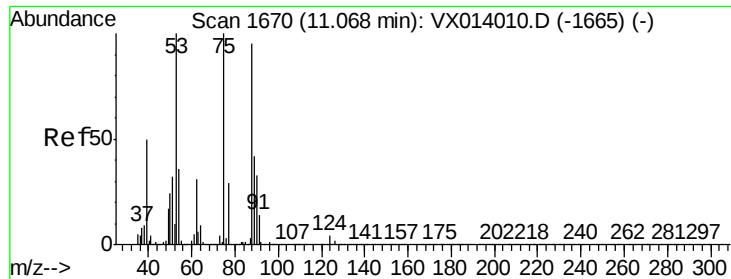
77 1.2 19.3 57.8#



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: 62.742 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014425.D

Acq: 06 Jan 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

40121DL

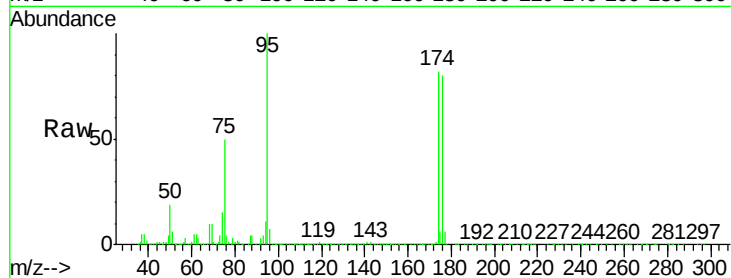
Tgt Ion: 75 Resp: 177380

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.0 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

