

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011020\
 Data File : VX014562.D
 Acq On : 11 Jan 2020 02:03
 Operator : JC/SP
 Sample : L1084-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AF-2

Quant Time: Jan 11 05:19:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	480002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	747993	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	690523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317631	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	271869	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
35) Dibromofluoromethane	5.49	113	222265	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	8.71	98	909554	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	11.13	95	310355	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	

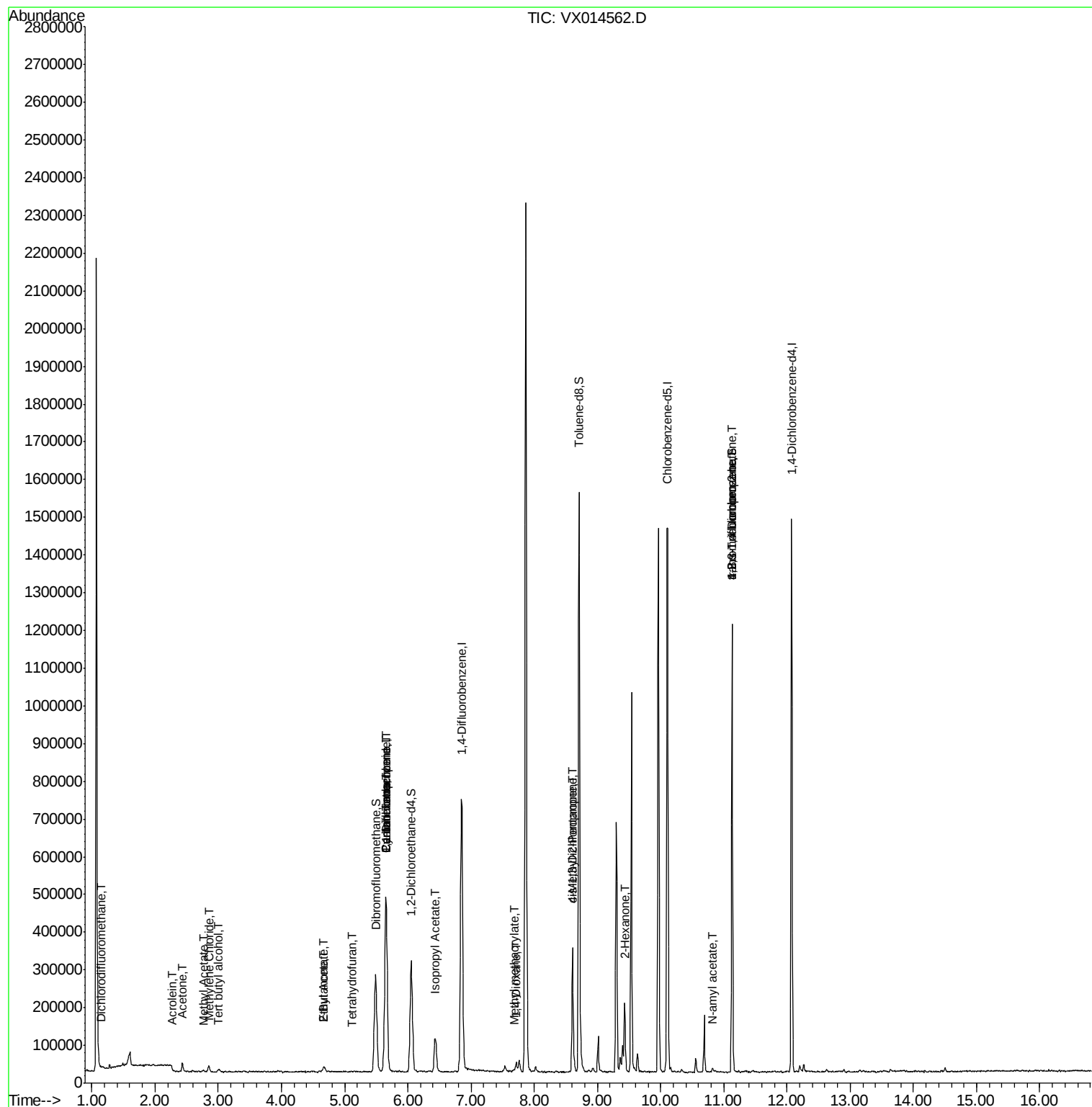
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.16	85	147	0.277	ug/l #	42
6) Chloroethane	1.59	64	3450	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	3594	3.212	ug/l	97
13) Acrolein	2.28	56	536	0.598	ug/l #	43
16) Acetone	2.43	43	23598	4.683	ug/l	99
18) Methyl Acetate	2.76	43	5751	0.747	ug/l	100
20) Methylene Chloride	2.86	84	8121	1.507	ug/l #	78
25) 2-Butanone	4.67	43	6490	1.621	ug/l	91
29) Tetrahydrofuran	5.12	42	552	0.233	ug/l #	48
31) Cyclohexane	5.65	56	9179	1.121	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	32430	4.610	ug/l #	52
37) Ethyl Acetate	4.67	43	6490	0.849	ug/l #	79
38) Carbon Tetrachloride	5.65	117	43978	6.794	ug/l #	17
43) Isopropyl Acetate	6.43	43	129034	10.454	ug/l	99
48) Methyl methacrylate	7.67	41	7590	1.284	ug/l #	17
49) 1,4-Dioxane	7.72	88	184	1.469	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	119970	15.951	ug/l #	45
54) cis-1,3-Dichloropropene	8.61	75	55637	6.544	ug/l #	57
59) 2-Hexanone	9.43	43	148918	25.023	ug/l #	23
74) N-amyl acetate	10.82	43	5998	0.610	ug/l #	46
76) 1,2,3-Trichloropropane	11.13	75	152391	23.188	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	152391	61.306	ug/l #	12
88) 1,4-Dichlorobenzene	12.10	146	806	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	13.64	180	369	Below Cal	#	39
96) 1,2,3-Trichlorobenzene	13.95	180	163	Below Cal		74

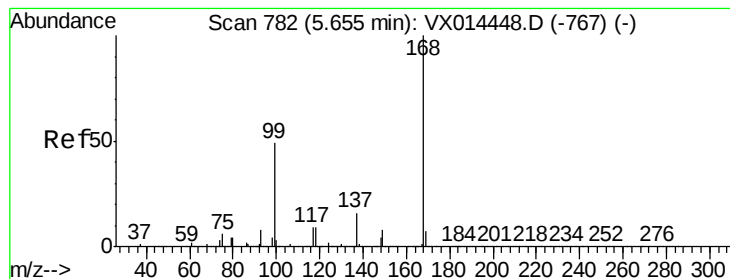
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011020\
Data File : VX014562.D
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Quant Time: Jan 11 05:19:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014562.D

Acq: 11 Jan 2020 02:03

Instrument :

MSVOA_X

ClientSampleId :

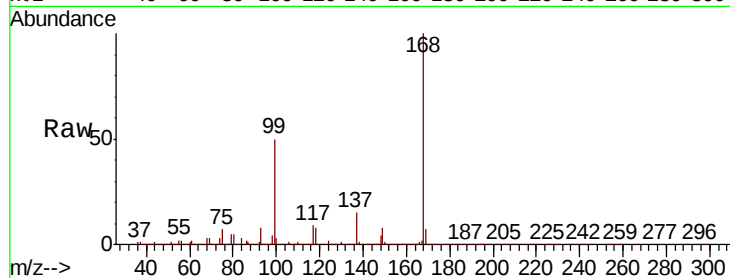
AF-2

Tot Ion:168 Resp: 480002

Ion Ratio Lower Upper

168 100

99 49.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

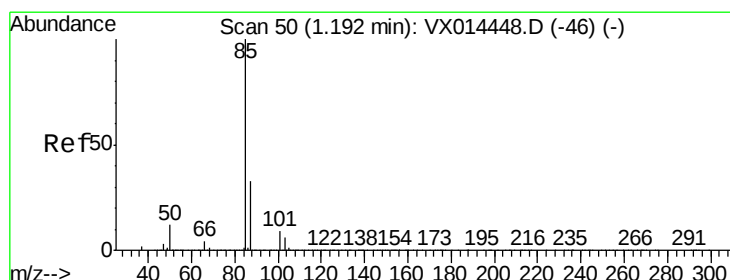
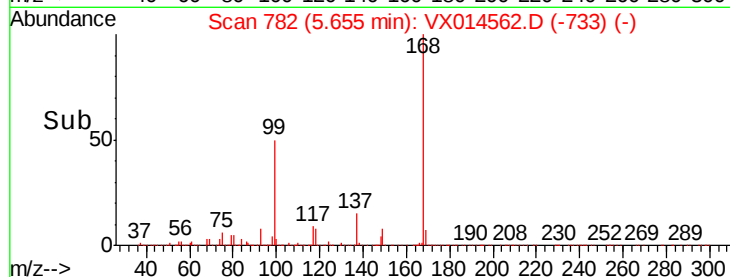
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.277 ug/l

RT: 1.16 min Scan# 44

Delta R.T. -0.04 min

Lab File: VX014562.D

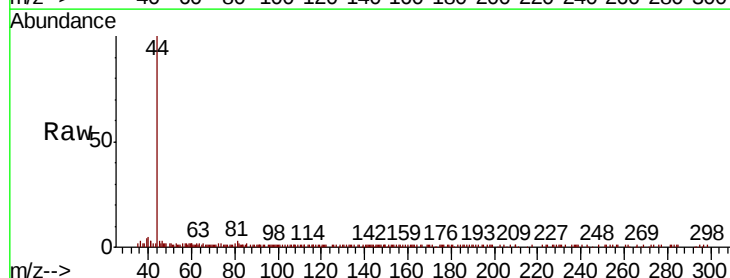
Acq: 11 Jan 2020 02:03

Tgt Ion: 85 Resp: 147

Ion Ratio Lower Upper

85 100

87 0.0 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.16

400

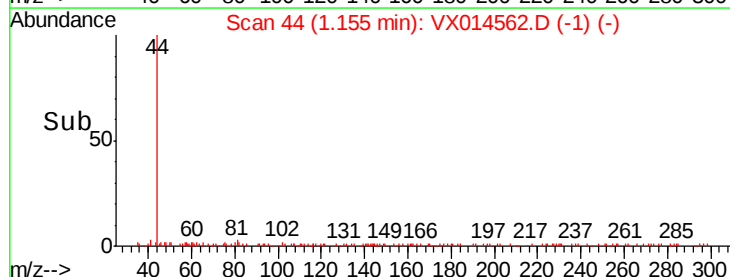
300

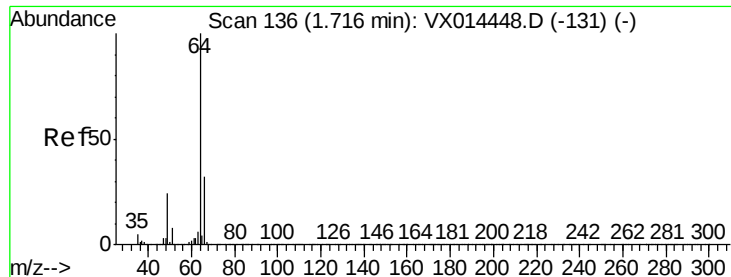
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.59 min Scan# 115

Delta R.T. -0.13 min

Lab File: VX014562.D

Acq: 11 Jan 2020 02:03

Instrument :

MSVOA_X

ClientSampleId :

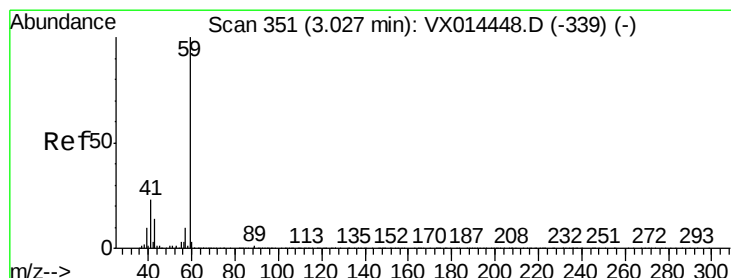
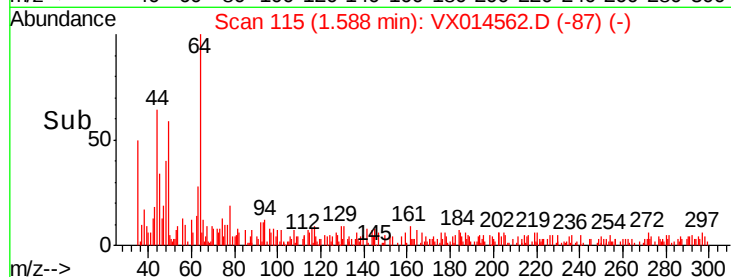
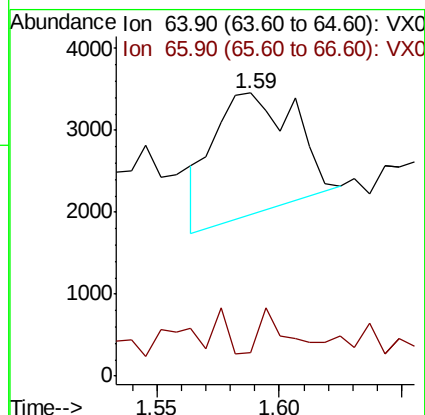
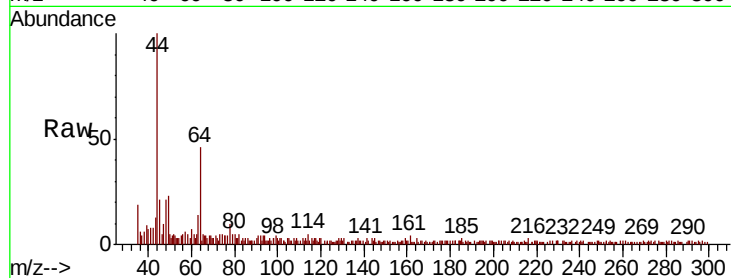
AF-2

Tot Ion: 64 Resp: 3450

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#11

Tert butyl alcohol

Concen: 3.212 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX014562.D

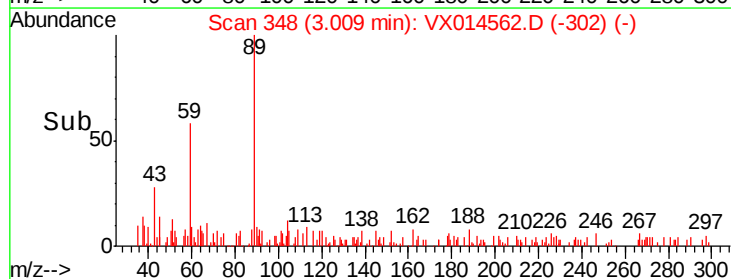
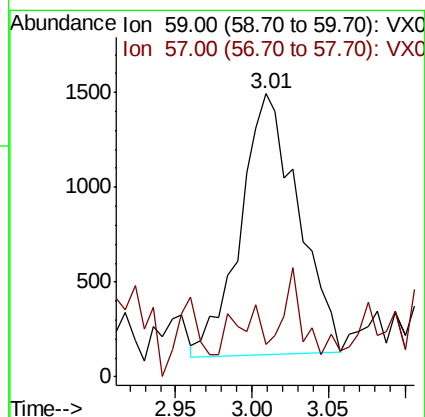
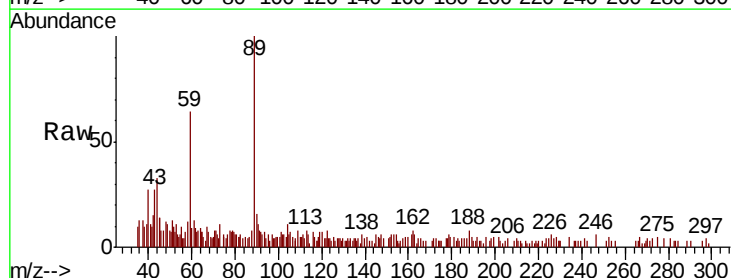
Acq: 11 Jan 2020 02:03

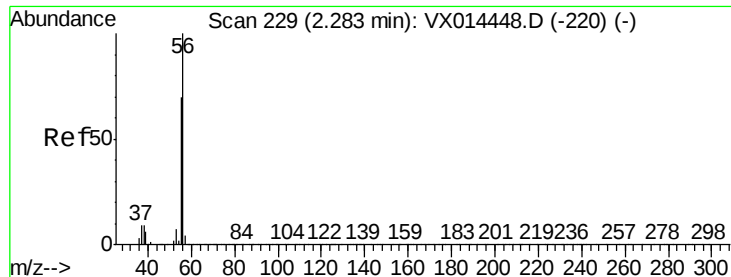
Tgt Ion: 59 Resp: 3594

Ion Ratio Lower Upper

59 100

57 9.6 8.5 12.7





#13

Acrolein

Concen: 0.598 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX014562.D

Acq: 11 Jan 2020 02:03

Instrument :

MSVOA_X

ClientSampled :

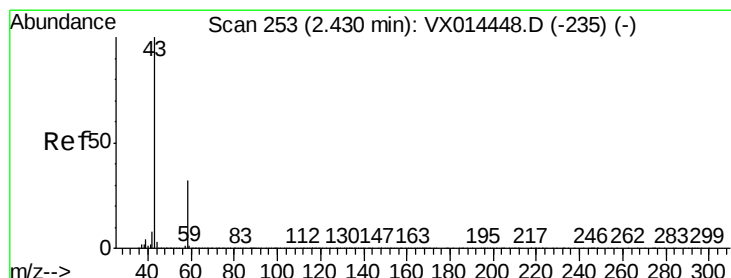
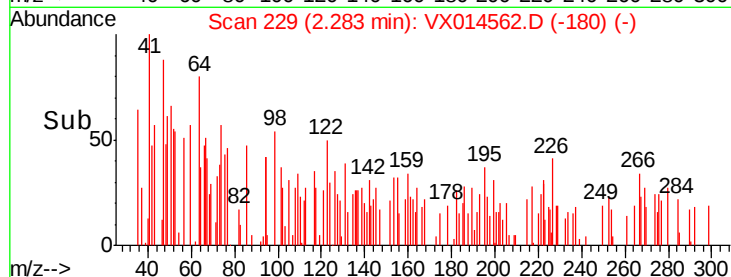
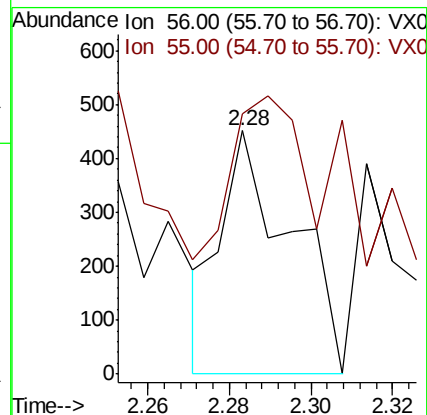
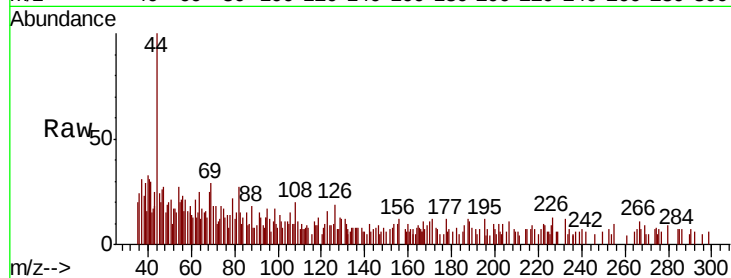
AF-2

Tot Ion: 56 Resp: 536

Ion Ratio Lower Upper

56 100

55 114.7 55.0 82.6#



#16

Acetone

Concen: 4.683 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014562.D

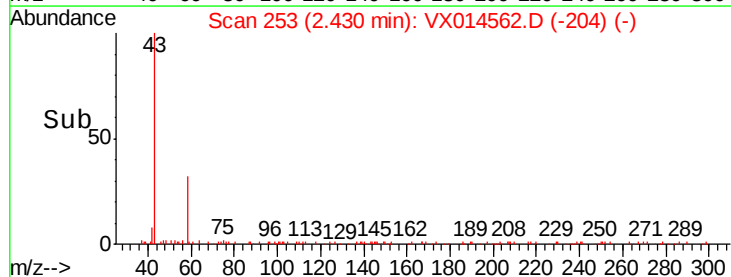
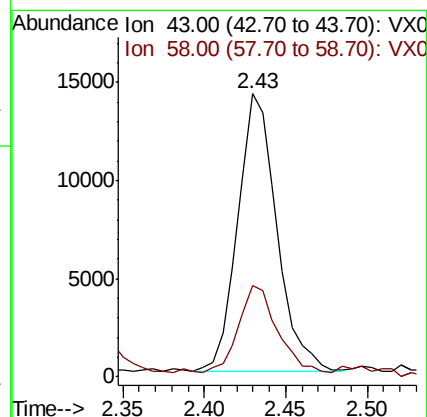
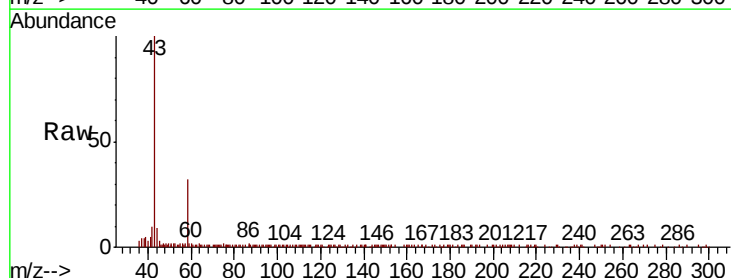
Acq: 11 Jan 2020 02:03

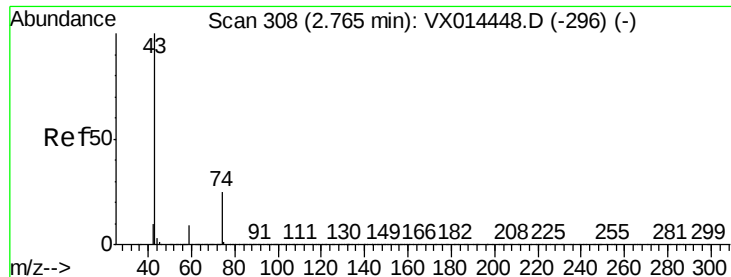
Tgt Ion: 43 Resp: 23598

Ion Ratio Lower Upper

43 100

58 31.2 25.4 38.0

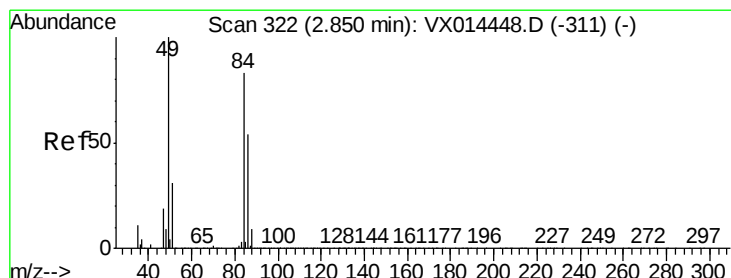
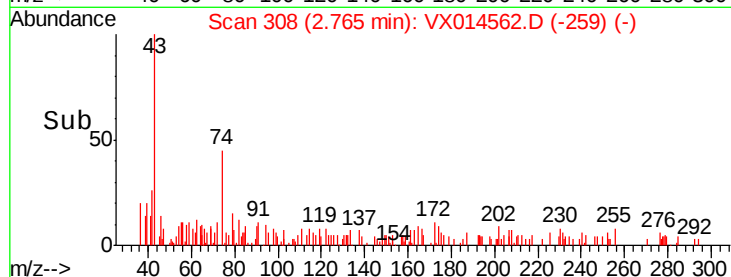
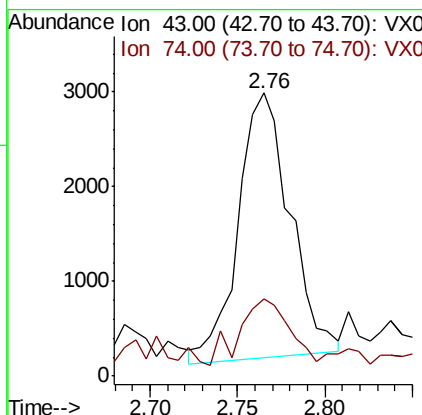
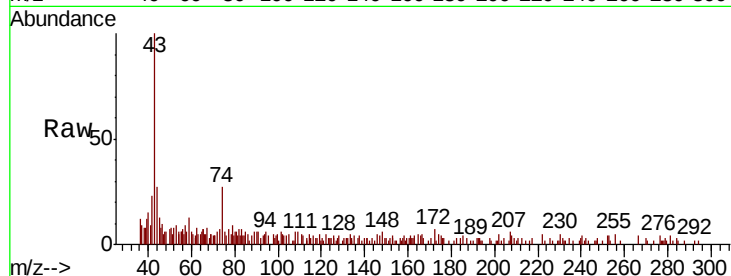




#18
Methvl Acetate
Concen: 0.747 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX014562.D
Acq: 11 Jan 2020 02:03

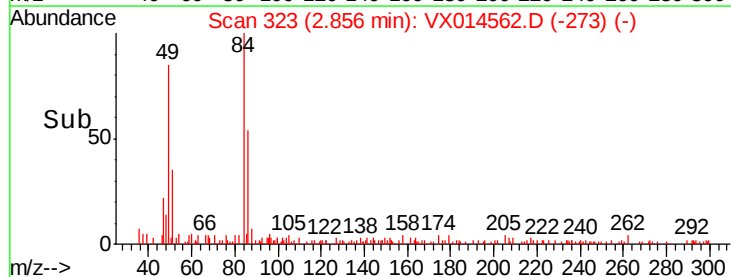
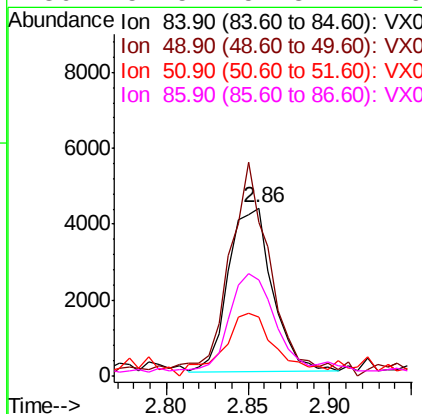
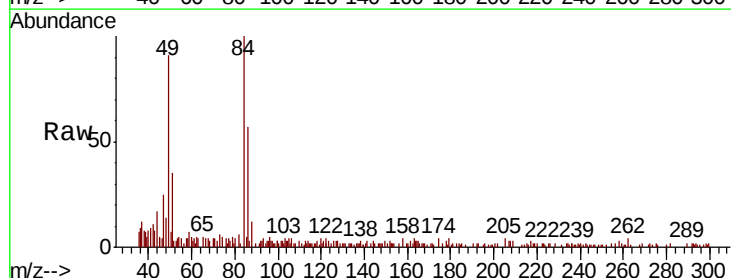
Instrument :
MSVOA_X
ClientSampleId :
AF-2

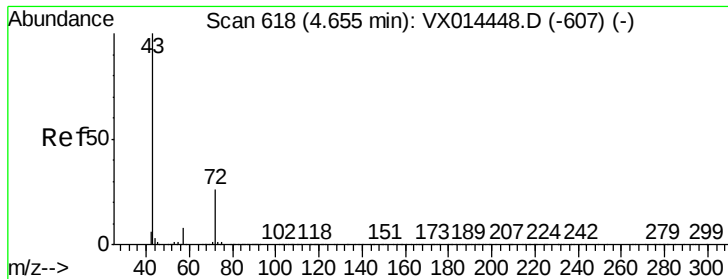
Tot Ion: 43 Resp: 5751
Ion Ratio Lower Upper
43 100
74 24.2 19.4 29.2



#20
Methylene Chloride
Concen: 1.507 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014562.D
Acq: 11 Jan 2020 02:03

Tgt Ion: 84 Resp: 8121
Ion Ratio Lower Upper
84 100
49 89.8 95.8 143.8#
51 29.2 30.2 45.4#
86 52.5 51.8 77.6





#25

2-Butanone

Concen: 1.621 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX014562.D

Acq: 11 Jan 2020 02:03

Instrument :

MSVOA_X

ClientSampled :

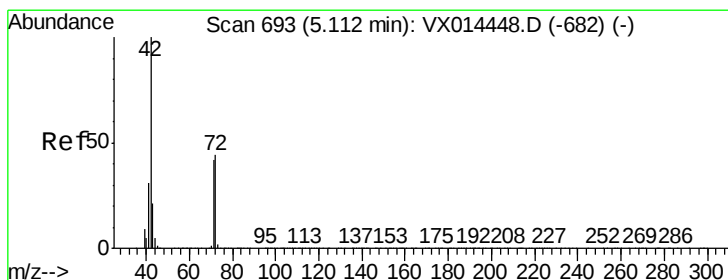
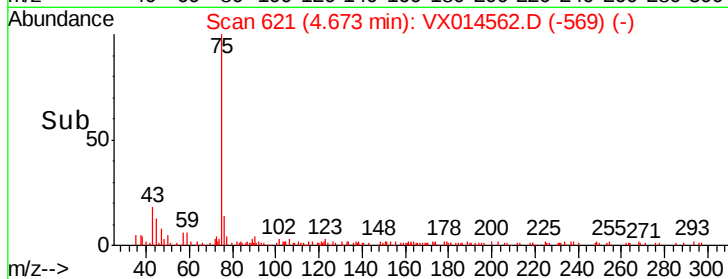
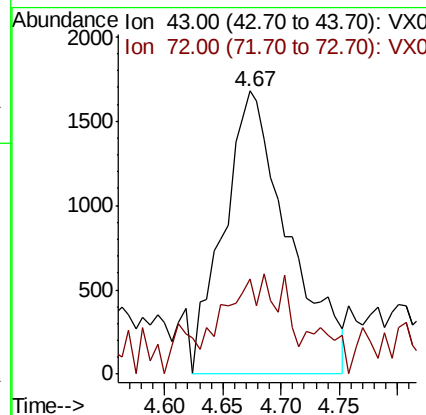
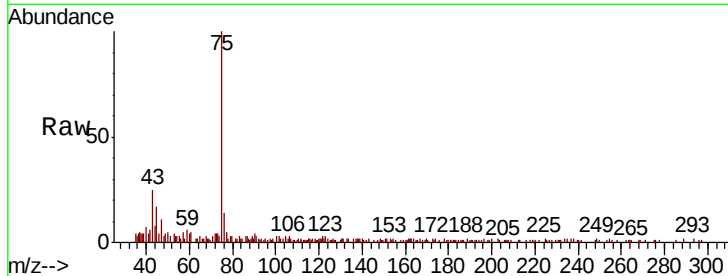
AF-2

Tot Ion: 43 Resp: 6490

Ion Ratio Lower Upper

43 100

72 21.0 20.6 31.0



#29

Tetrahydrofuran

Concen: 0.233 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX014562.D

Acq: 11 Jan 2020 02:03

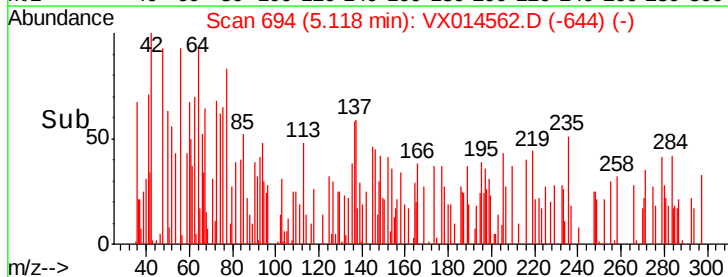
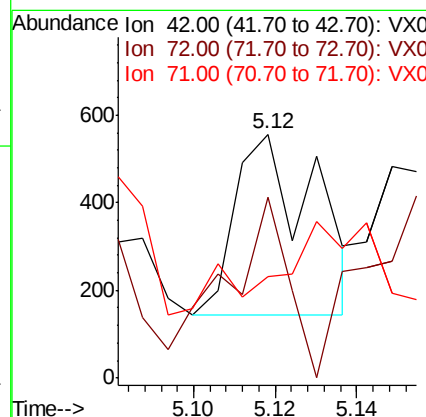
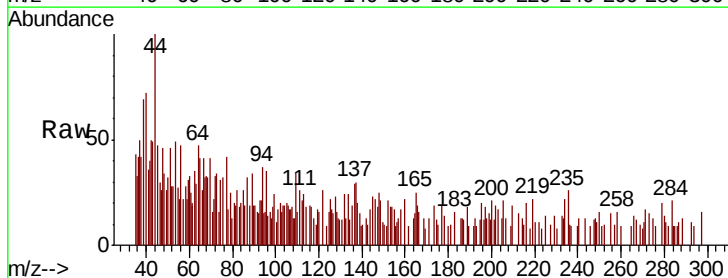
Tgt Ion: 42 Resp: 552

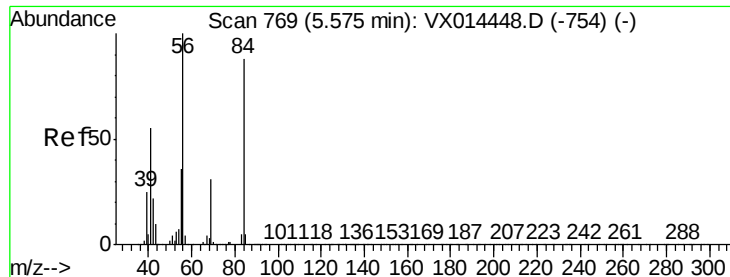
Ion Ratio Lower Upper

42 100

72 79.5 36.2 54.4#

71 10.1 34.1 51.1#

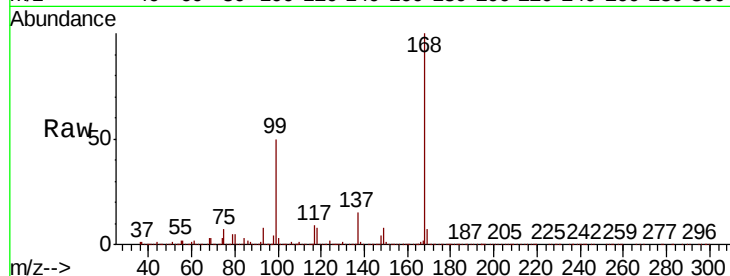




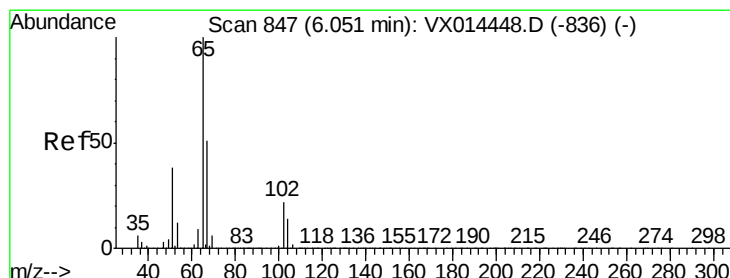
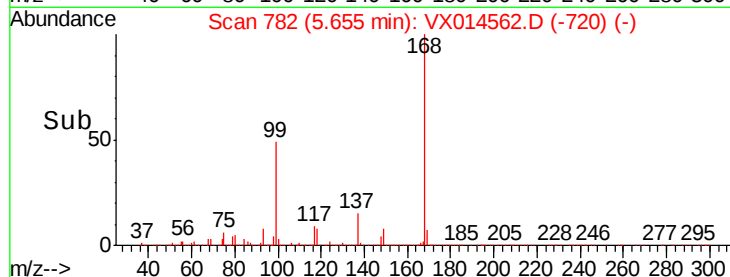
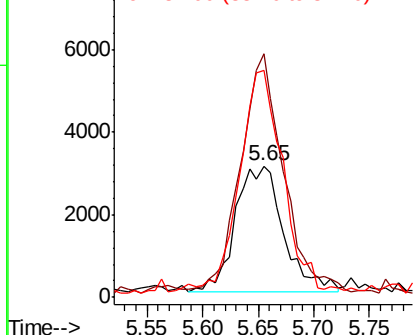
#31
Cyclohexane
Concen: 1.121 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.08 min
Lab File: VX014562.D
Acq: 11 Jan 2020 02:03

Instrument :
MSVOA_X
ClientSampleId :
AF-2

Tot Ion: 56 Resp: 9179
Ion Ratio Lower Upper
56 100
69 188.7 24.4 36.6#
84 174.1 70.6 106.0#

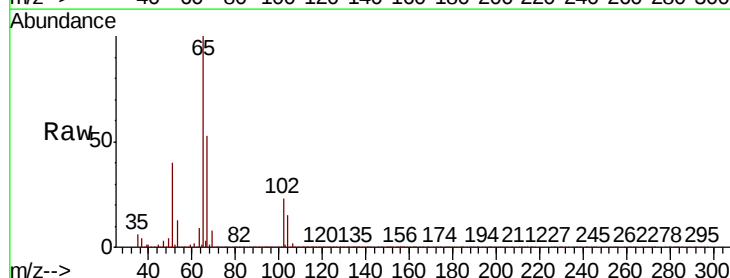


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

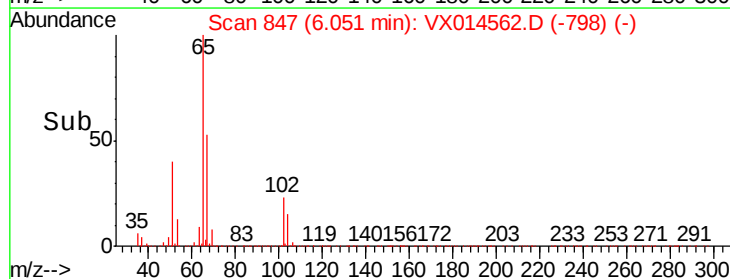
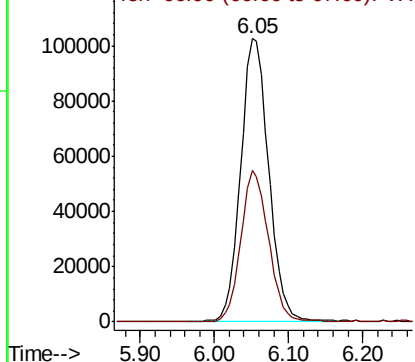


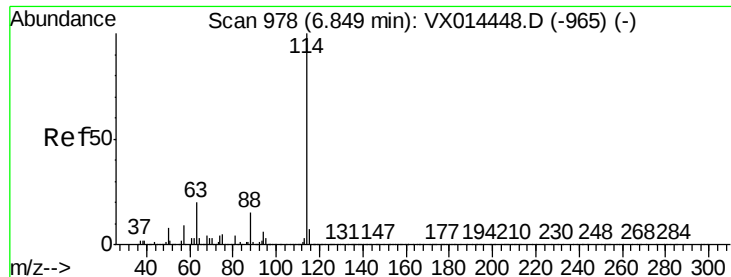
#33
1,2-Dichloroethane-d4
Concen: 50.737 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX014562.D
Acq: 11 Jan 2020 02:03

Tgt Ion: 65 Resp: 271869
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.2



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: VX014562.D

Acq: 11 Jan 2020 02:03

Instrument :

MSVOA_X

ClientSampleId :

AF-2

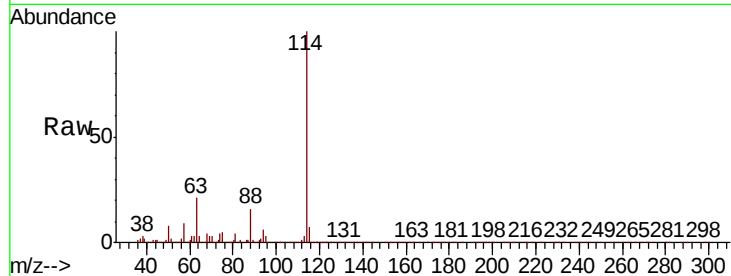
Tot Ion:114 Resp: 747993

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.6

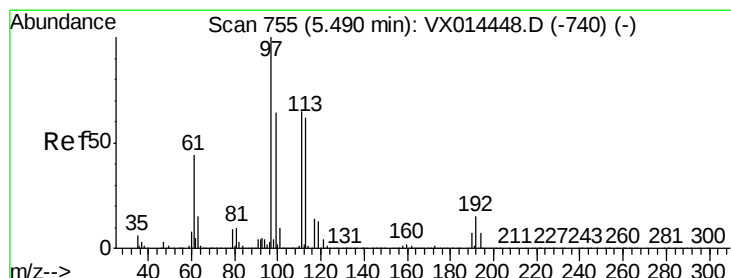
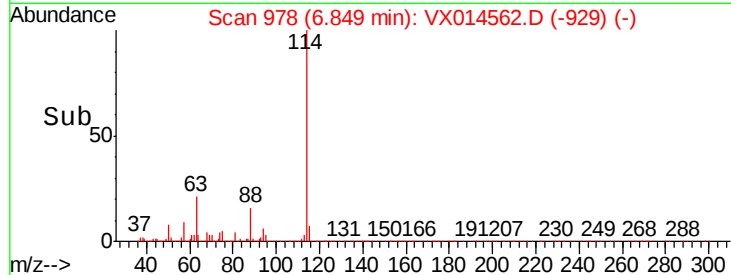
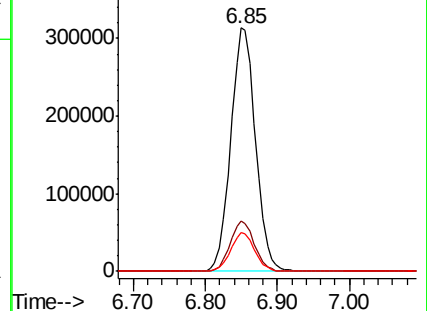
88 15.7 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.088 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014562.D

Acq: 11 Jan 2020 02:03

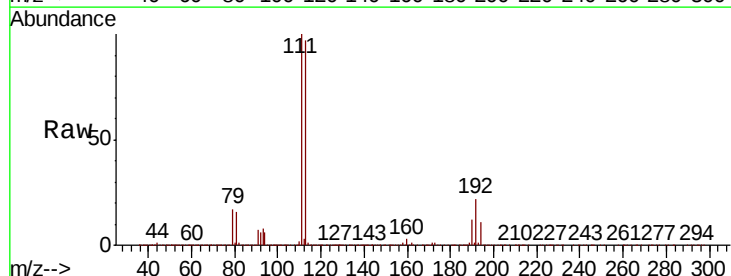
Tgt Ion:113 Resp: 222265

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

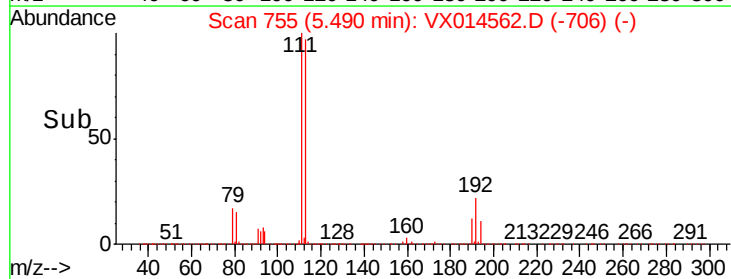
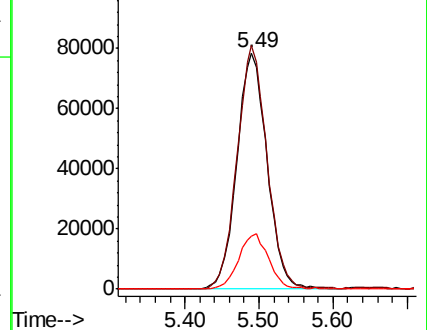
192 23.4 19.2 28.8

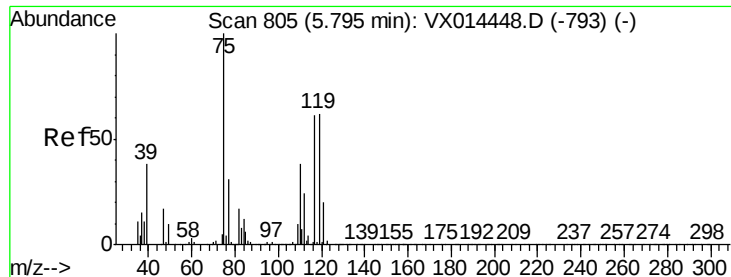


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

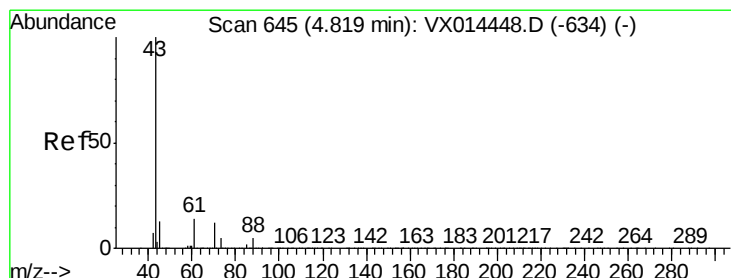
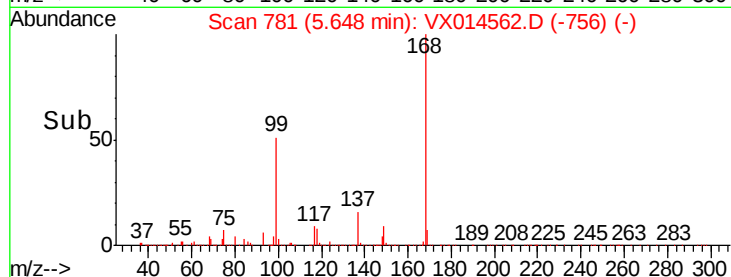
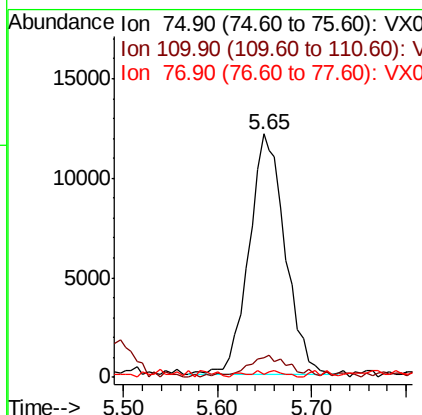
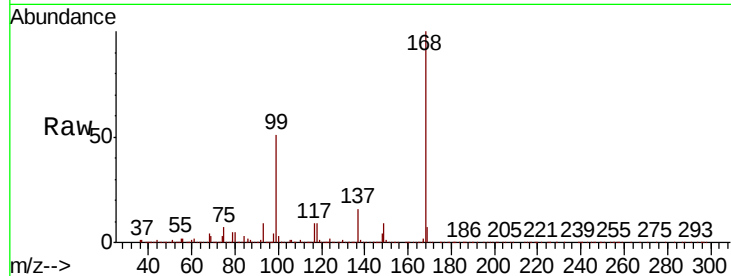




#36
 1,1-Dichloropropene
 Concen: 4.610 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014562.D
 Acq: 11 Jan 2020 02:03

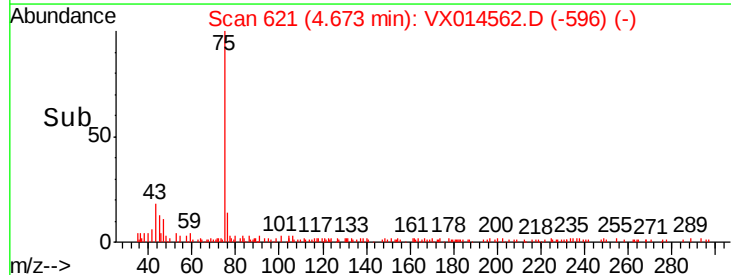
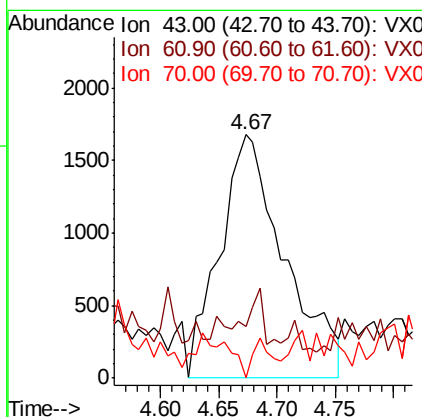
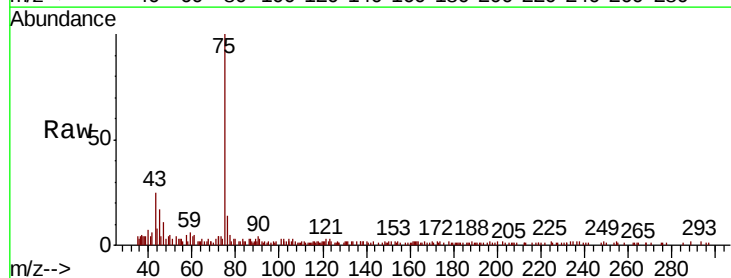
Instrument :
 MSVOA_X
 ClientSampleId :
 AF-2

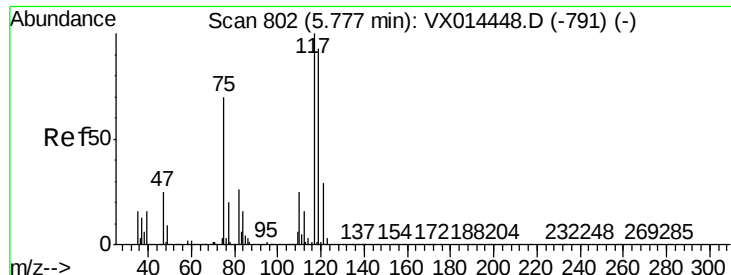
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.1	18.6	55.8#
77	1.8	24.5	36.7#



#37
 Ethyl Acetate
 Concen: 0.849 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. -0.15 min
 Lab File: VX014562.D
 Acq: 11 Jan 2020 02:03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3.6	11.1	16.7#
70	4.9	8.9	13.3#





#38

Carbon Tetrachloride

Concen: 6.794 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014562.D

Acq: 11 Jan 2020 02:03

Instrument :

MSVOA_X

ClientSampled :

AF-2

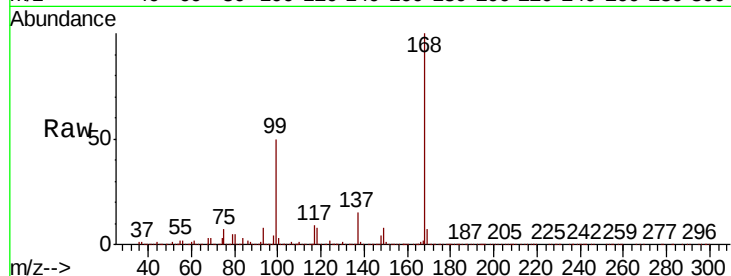
Tot Ion:117 Resp: 43978

Ion Ratio Lower Upper

117 100

119 4.1 73.8 110.8#

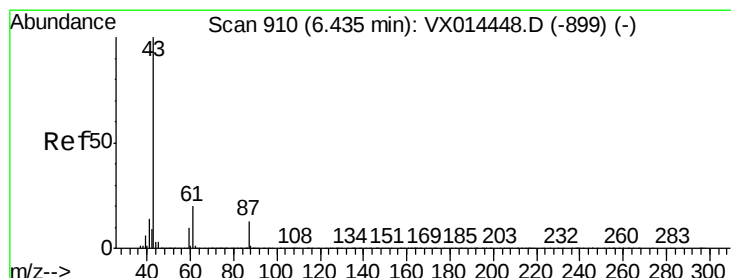
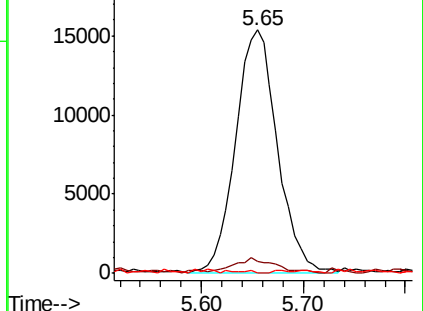
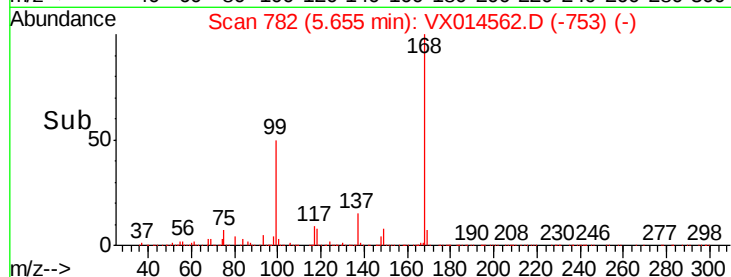
121 0.0 23.4 35.0#



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: 10.454 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX014562.D

Acq: 11 Jan 2020 02:03

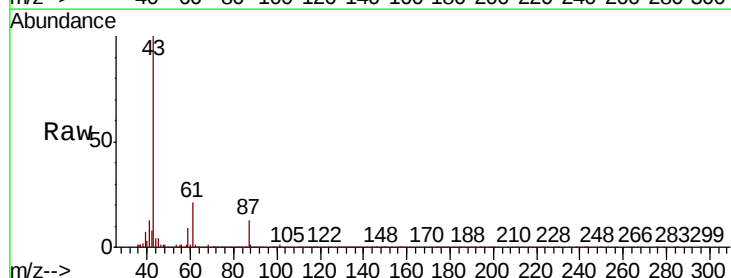
Tgt Ion: 43 Resp: 129034

Ion Ratio Lower Upper

43 100

61 20.2 16.6 24.8

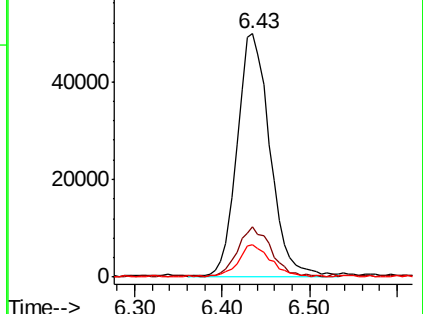
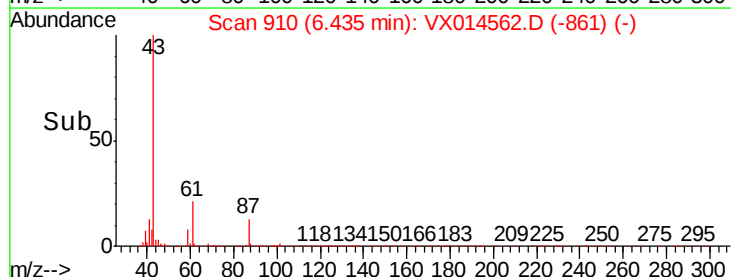
87 13.0 10.8 16.2

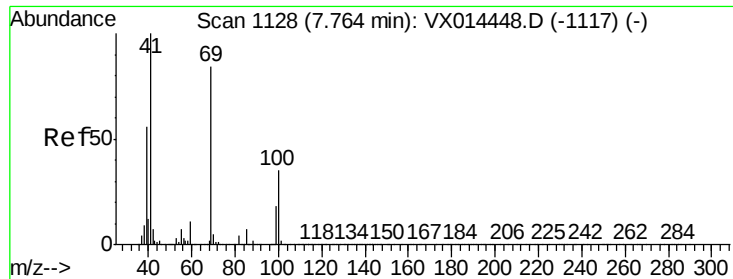


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

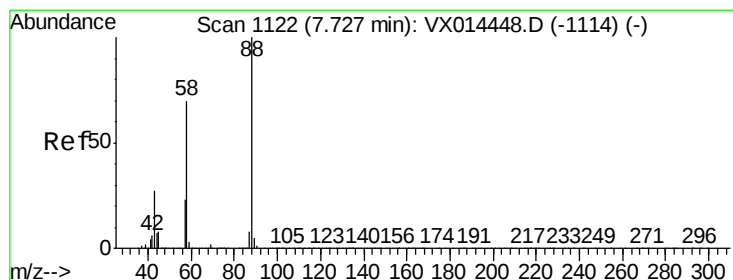
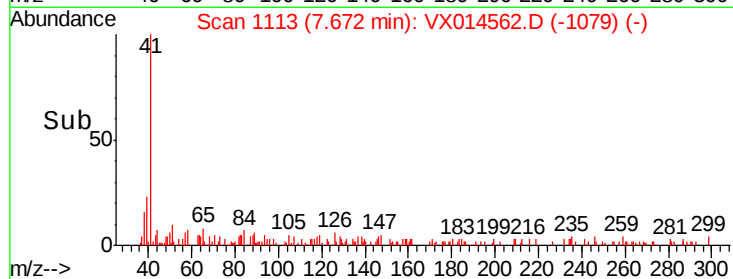
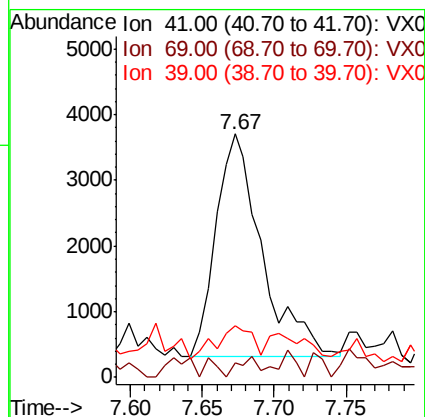
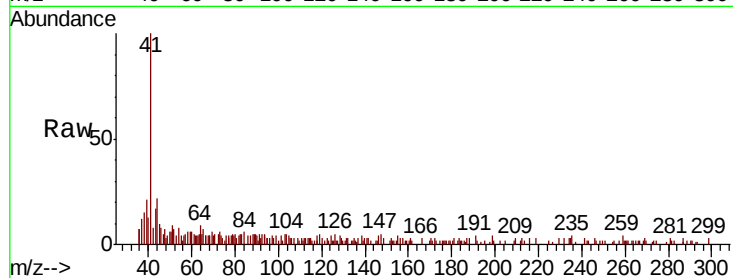




#48
Methvl methacrylate
Concen: 1.284 ug/l
RT: 7.67 min Scan# 1113
Delta R.T. -0.09 min
Lab File: VX014562.D
Acq: 11 Jan 2020 02:03

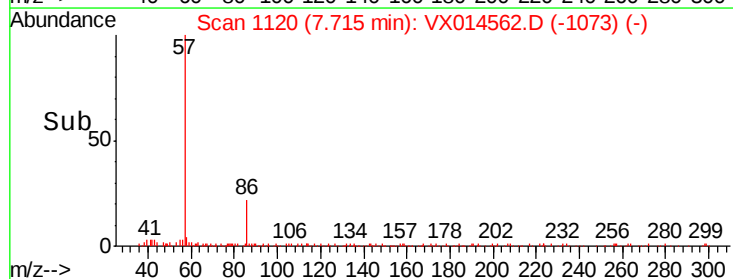
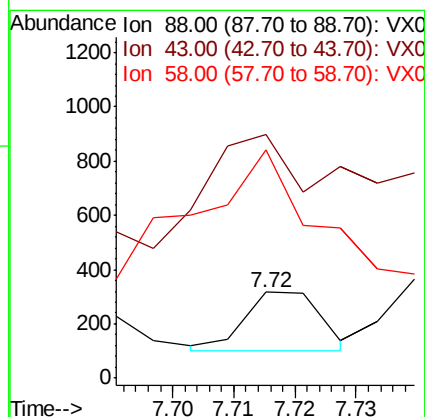
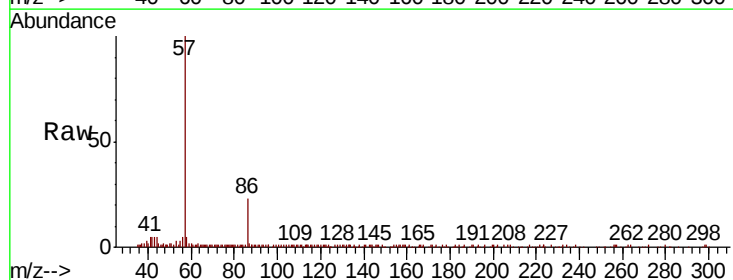
Instrument :
MSVOA_X
ClientSampled :
AF-2

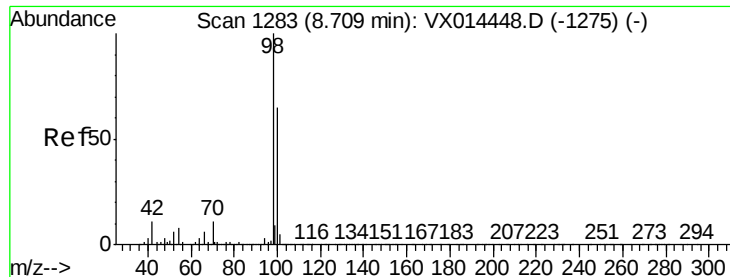
Tot Ion	Ratio	Lower	Upper
41	100		
69	4.0	65.5	98.3#
39	0.0	43.9	65.9#



#49
1,4-Dioxane
Concen: 1.469 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VX014562.D
Acq: 11 Jan 2020 02:03

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	878.3	57.1	85.7#





#50

Toluene-d8

Concen: 51.763 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014562.D

Acq: 11 Jan 2020 02:03

Instrument :

MSVOA_X

ClientSampleId :

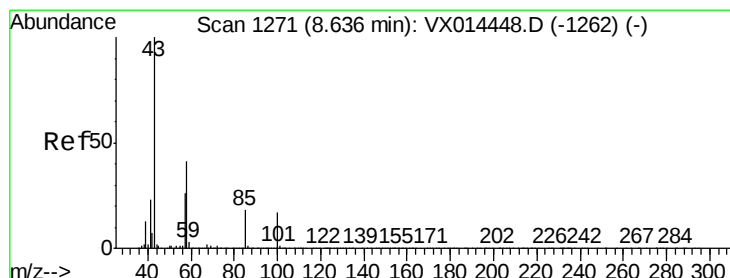
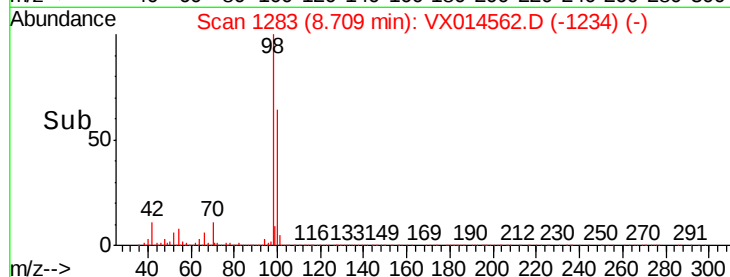
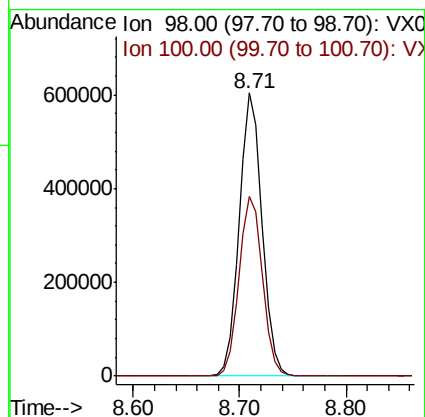
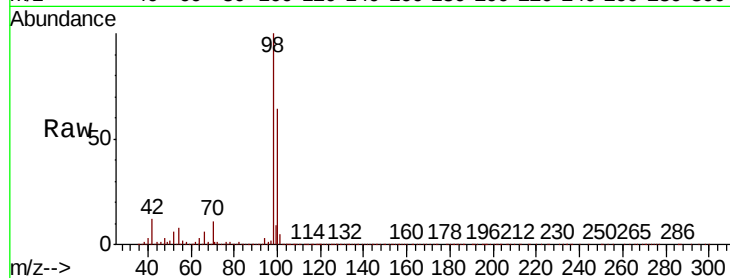
AF-2

Tot Ion: 98 Resp: 909554

Ion Ratio Lower Upper

98 100

100 65.4 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 15.951 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014562.D

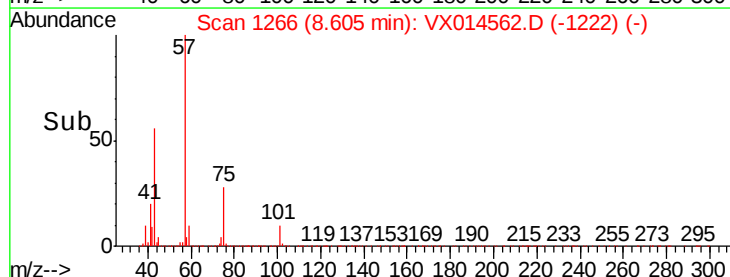
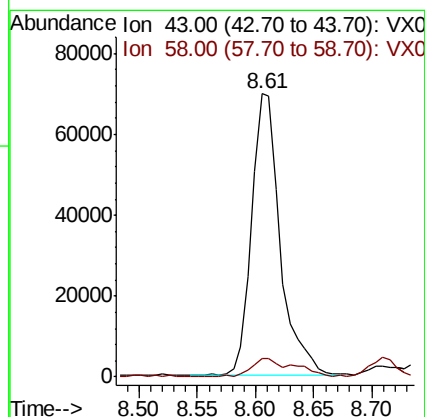
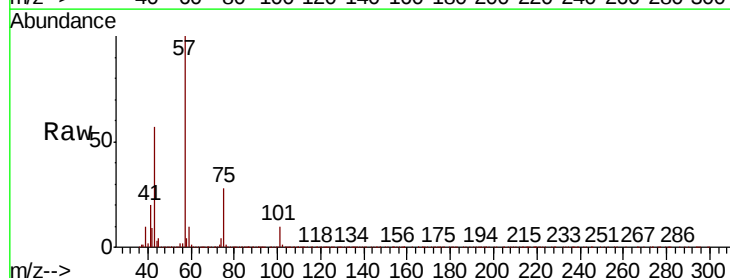
Acq: 11 Jan 2020 02:03

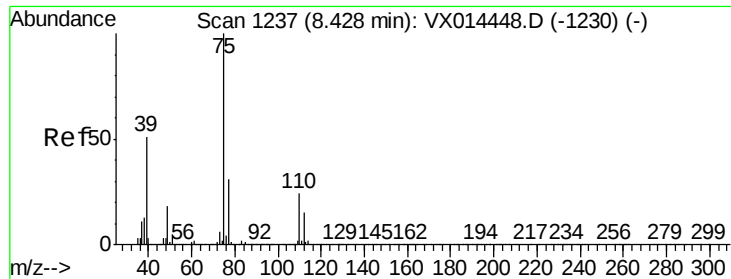
Tgt Ion: 43 Resp: 119970

Ion Ratio Lower Upper

43 100

58 6.3 32.4 48.6#



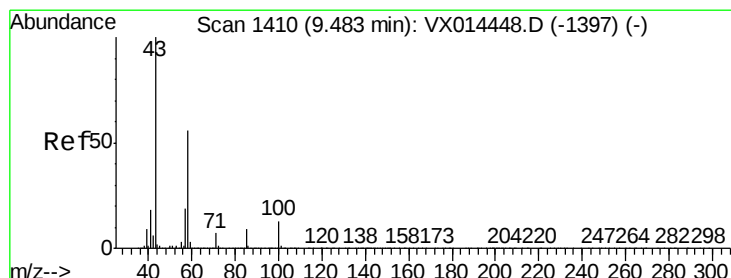
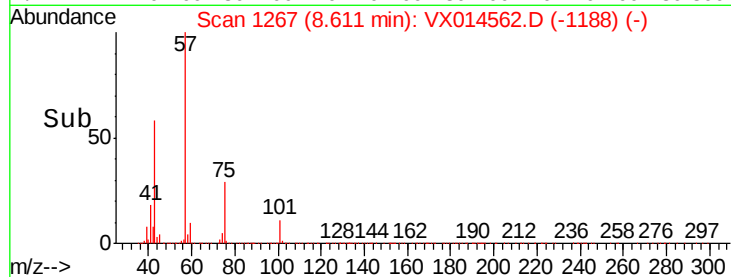
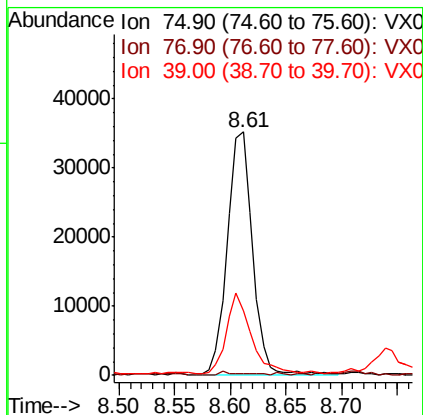
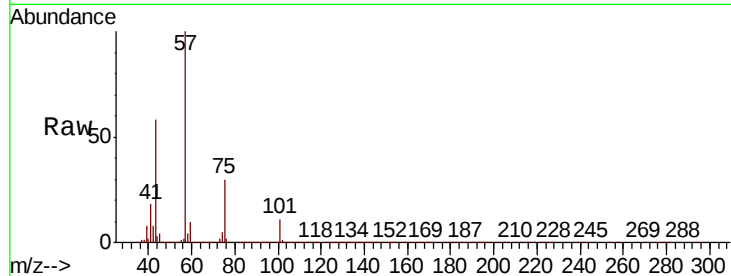


#54

cis-1,3-Dichloropropene
 Concen: 6.544 ug/l
 RT: 8.61 min Scan# 1267
 Delta R.T. 0.18 min
 Lab File: VX014562.D
 Acq: 11 Jan 2020 02:03

Instrument :
 MSVOA_X
 ClientSampleId :
 AF-2

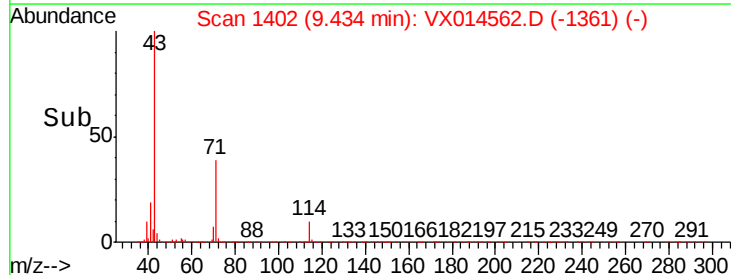
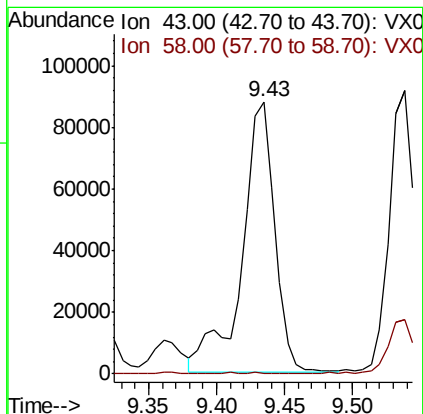
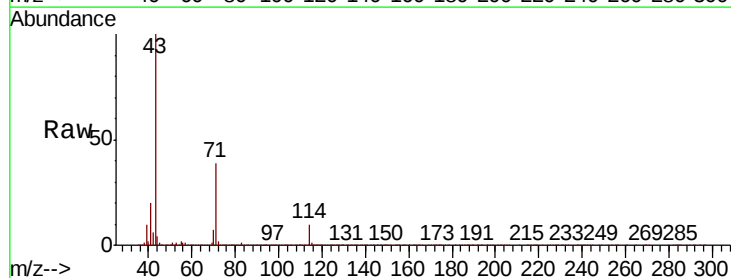
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.9	25.0	37.4#
39	25.6	40.7	61.1#

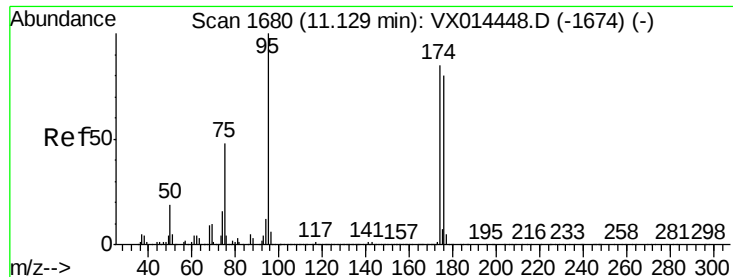


#59

2-Hexanone
 Concen: 25.023 ug/l
 RT: 9.43 min Scan# 1402
 Delta R.T. -0.05 min
 Lab File: VX014562.D
 Acq: 11 Jan 2020 02:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.9	83.7#

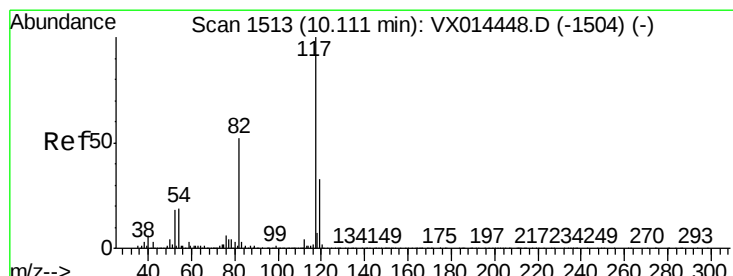
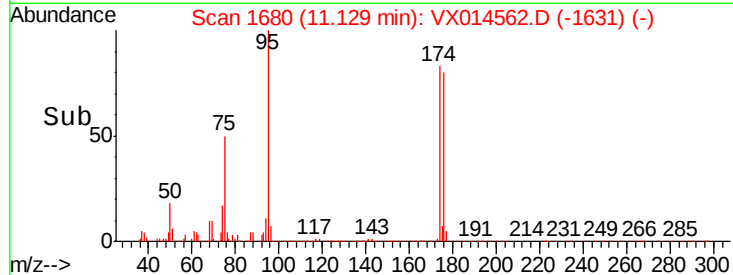
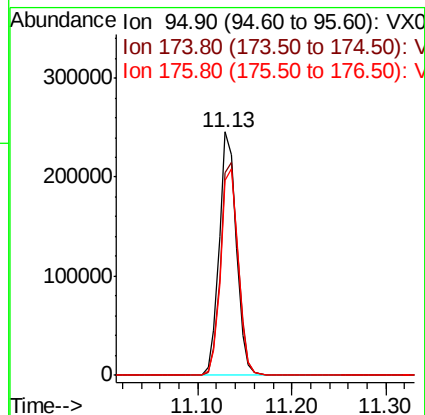
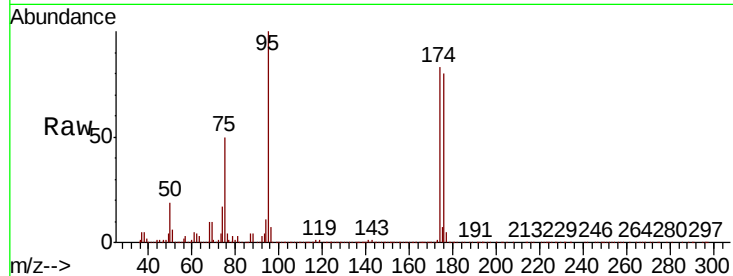




#62
4-Bromofluorobenzene
Concen: 48.112 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014562.D
Acq: 11 Jan 2020 02:03

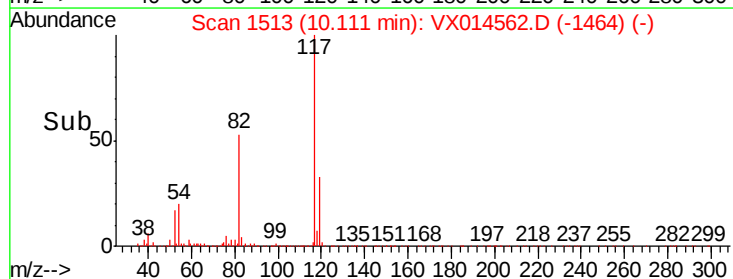
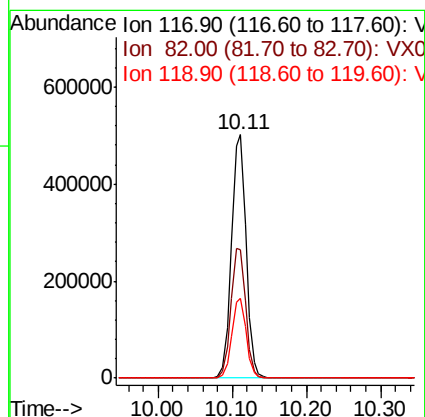
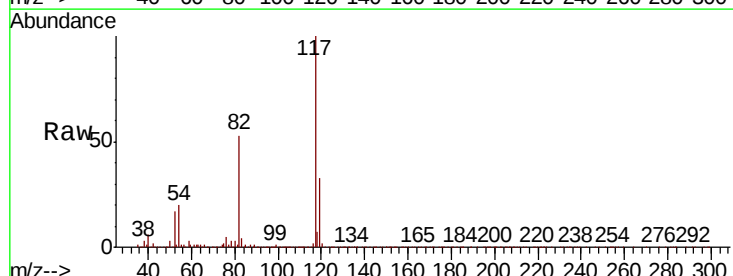
Instrument :
MSVOA_X
ClientSampleId :
AF-2

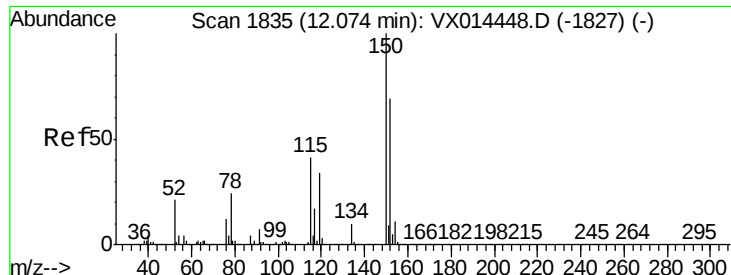
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	180.8
176	87.4	0.0	172.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014562.D
Acq: 11 Jan 2020 02:03

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.8	62.6
119	32.6	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX014562.D

Acq: 11 Jan 2020 02:03

Instrument :

MSVOA_X

ClientSampled :

AF-2

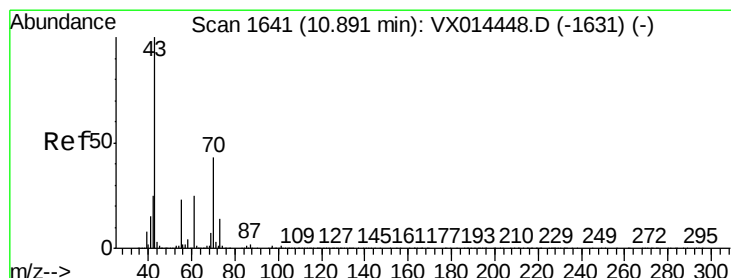
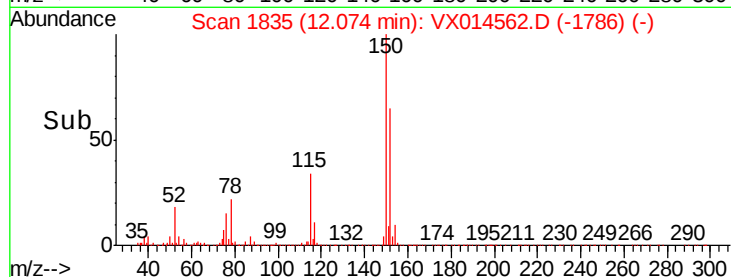
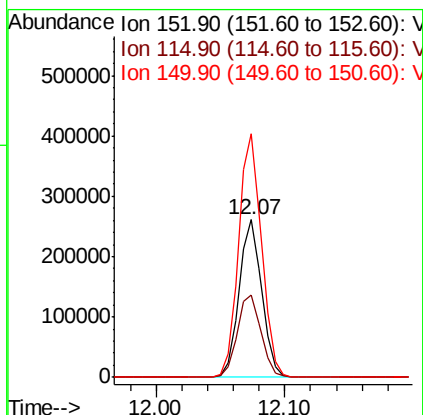
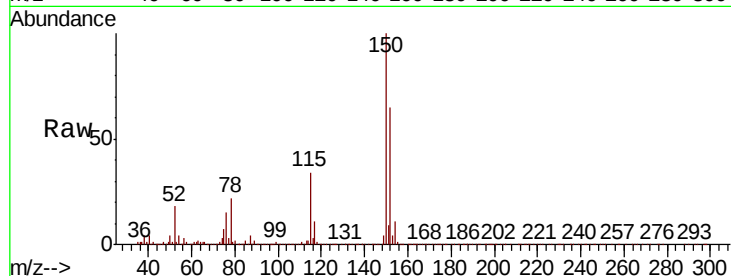
Tot Ion:152 Resp: 317631

Ion Ratio Lower Upper

152 100

115 55.0 39.5 118.3

150 156.6 0.0 350.2



#74

N-ethyl acetate

Concen: 0.610 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX014562.D

Acq: 11 Jan 2020 02:03

Tgt Ion: 43 Resp: 5998

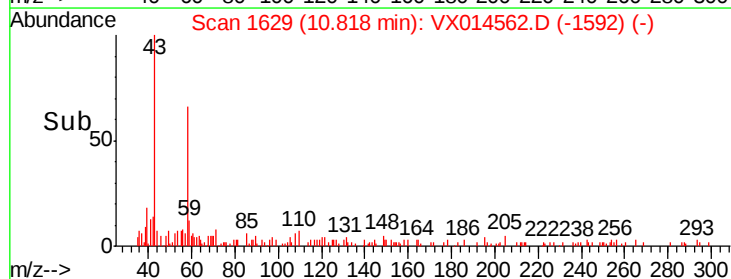
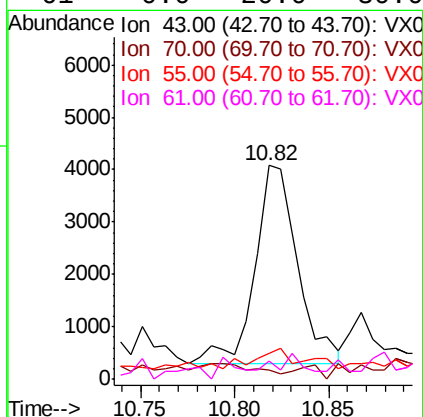
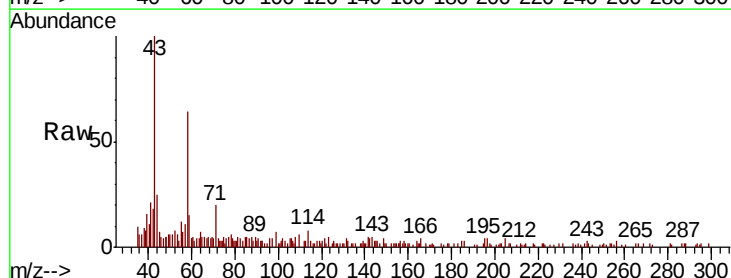
Ion Ratio Lower Upper

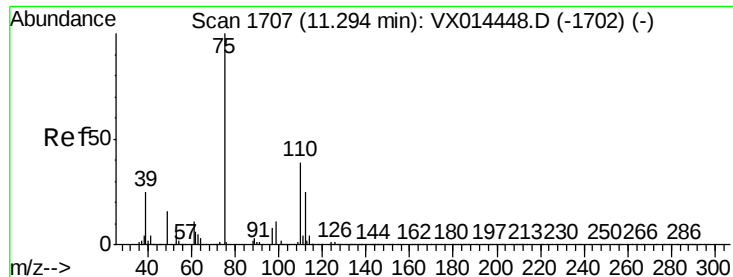
43 100

70 0.0 35.1 52.7#

55 8.2 19.3 28.9#

61 0.0 20.0 30.0#





#76

1,2,3-Trichloropropane

Concen: 23.188 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014562.D

Acq: 11 Jan 2020 02:03

Instrument :

MSVOA_X

ClientSampled :

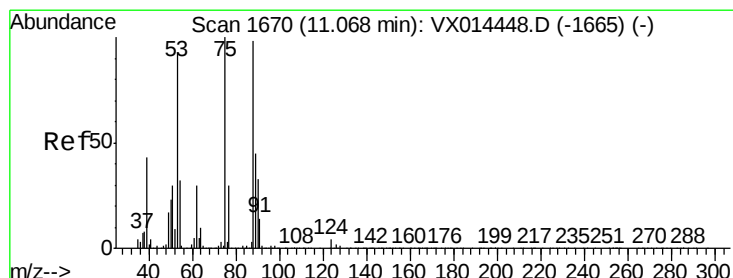
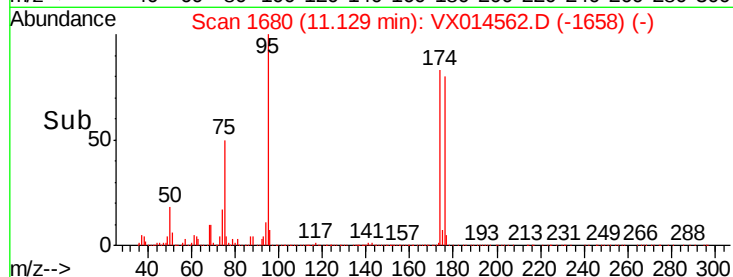
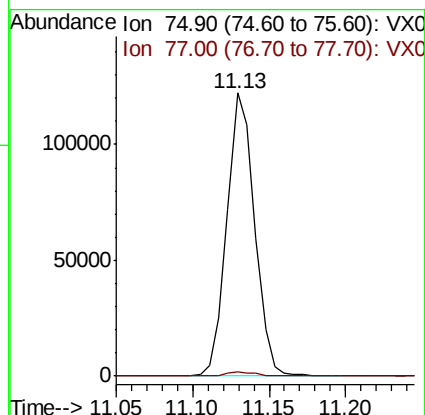
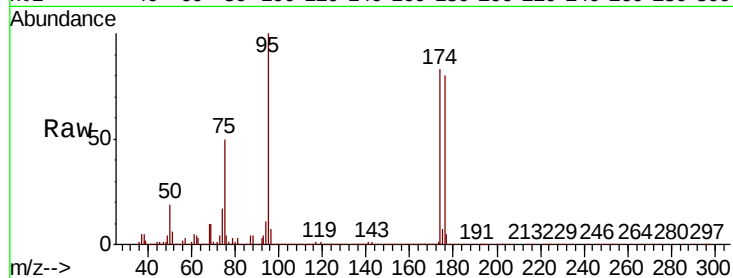
AF-2

Tot Ion: 75 Resp: 152391

Ion Ratio Lower Upper

75 100

77 1.9 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.306 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014562.D

Acq: 11 Jan 2020 02:03

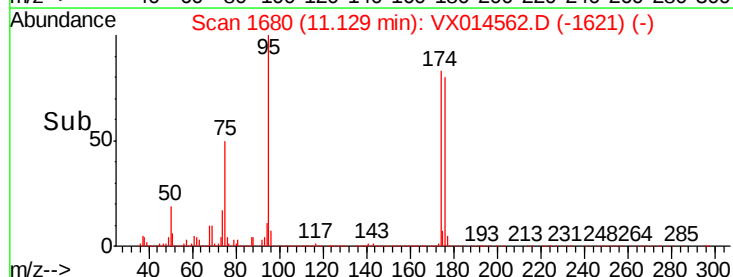
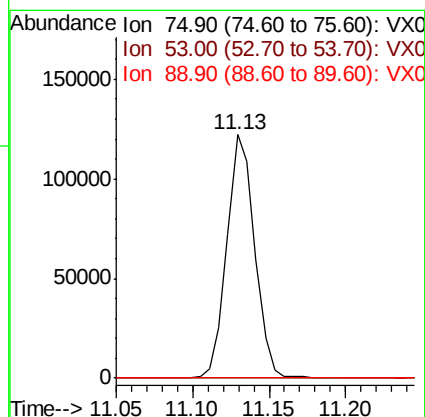
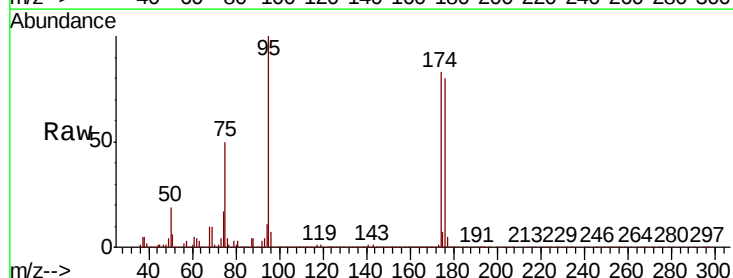
Tgt Ion: 75 Resp: 152391

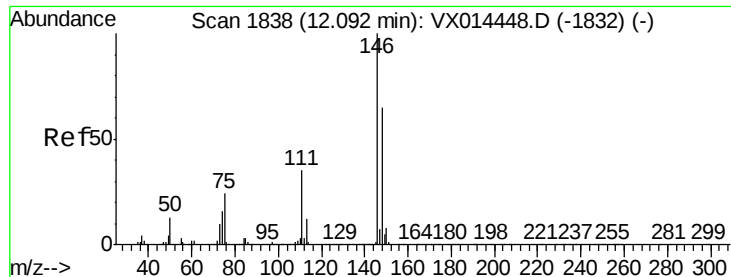
Ion Ratio Lower Upper

75 100

53 0.0 74.8 112.2#

89 0.1 36.3 54.5#

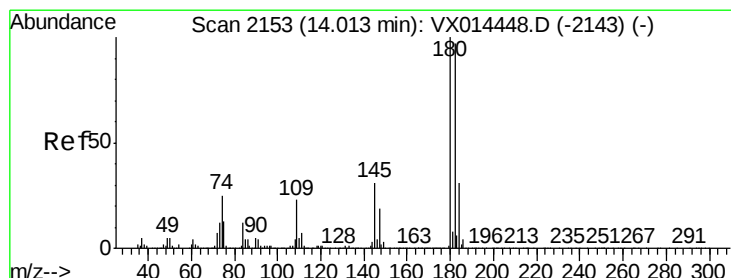
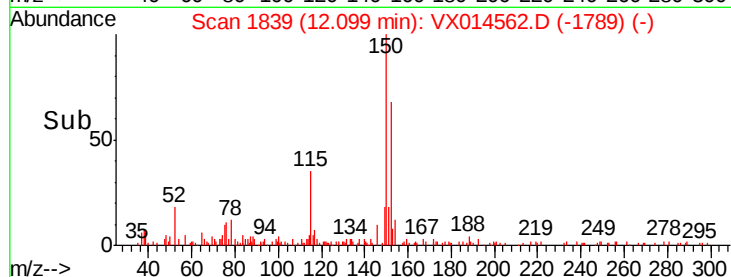
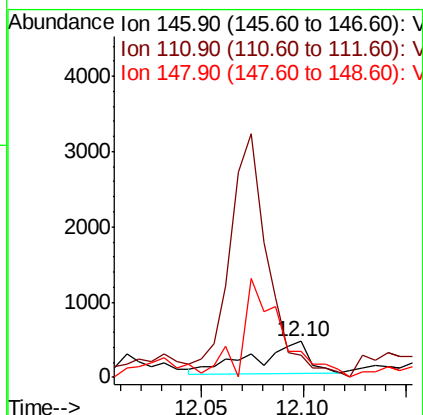
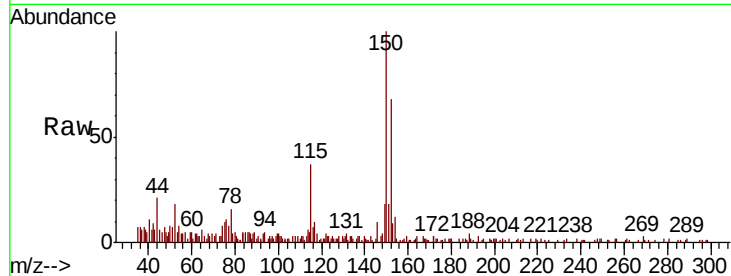




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.10 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: VX014562.D
 Acq: 11 Jan 2020 02:03

Instrument :
 MSVOA_X
 ClientSampleId :
 AF-2

Tot Ion:146 Resp: 806
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.1 54.1#
 148 0.0 32.1 96.3#



#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 13.95 min Scan# 2142
 Delta R.T. -0.07 min
 Lab File: VX014562.D
 Acq: 11 Jan 2020 02:03

Tgt Ion:180 Resp: 163
 Ion Ratio Lower Upper
 180 100
 182 71.2 47.9 143.6
 145 44.2 14.8 44.3

