

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010820\
 Data File : VX014472.D
 Acq On : 08 Jan 2020 15:34
 Operator : JC/SP
 Sample : L1039-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 06:09:40 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	535419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	820867	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	760406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	356428	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	293608	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
35) Dibromofluoromethane	5.49	113	244821	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	8.71	98	992144	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	11.13	95	346228	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	

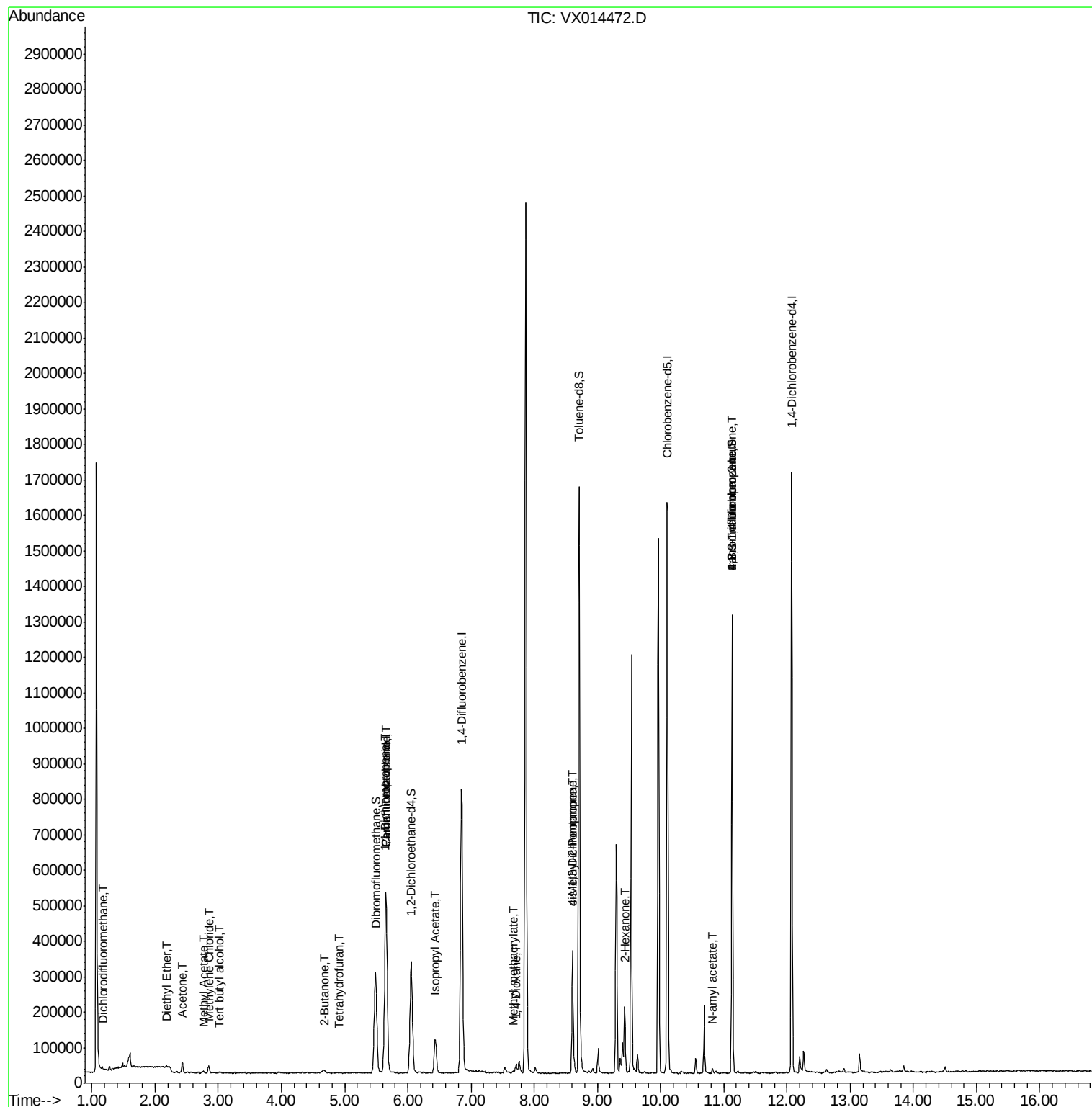
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	170	0.278	ug/l #	42
6) Chloroethane	1.57	64	1170	Below Cal	#	43
8) Diethyl Ether	2.18	74	1357	0.345	ug/l	86
11) Tert butyl alcohol	3.01	59	3499	2.804	ug/l #	78
16) Acetone	2.43	43	35549	7.814	ug/l	97
18) Methyl Acetate	2.76	43	5961	0.694	ug/l #	89
20) Methylene Chloride	2.85	84	10150	1.688	ug/l #	85
25) 2-Butanone	4.67	43	7097	1.590	ug/l #	73
29) Tetrahydrofuran	4.90	42	765	0.290	ug/l	87
36) 1,1-Dichloropropene	5.64	75	36071	4.673	ug/l #	41
38) Carbon Tetrachloride	5.66	117	45241	6.369	ug/l #	17
43) Isopropyl Acetate	6.43	43	132098	9.752	ug/l	99
48) Methyl methacrylate	7.67	41	8151	1.256	ug/l #	16
49) 1,4-Dioxane	7.72	88	224	1.630	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	125682	15.227	ug/l #	49
54) cis-1,3-Dichloropropene	8.61	75	58871	6.310	ug/l #	55
59) 2-Hexanone	9.43	43	127896	19.583	ug/l #	23
74) N-amyl acetate	10.82	43	7171	0.649	ug/l #	53
76) 1,2,3-Trichloropropane	11.13	75	168227	22.812	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	168227	60.310	ug/l #	12
88) 1,4-Dichlorobenzene	12.07	146	1220	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	13.65	180	598	Below Cal	#	70
96) 1,2,3-Trichlorobenzene	14.01	180	635	Below Cal	#	62

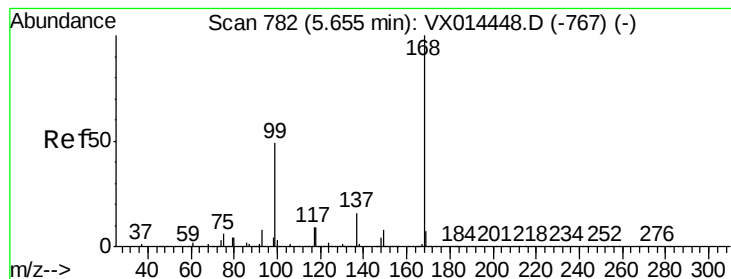
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010820\
Data File : VX014472.D
Acq On : 08 Jan 2020 15:34
Operator : JC/SP
Sample : L1039-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 09 06:09:40 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: VX014472.D

Acq: 08 Jan 2020 15:34

Instrument :

MSVOA_X

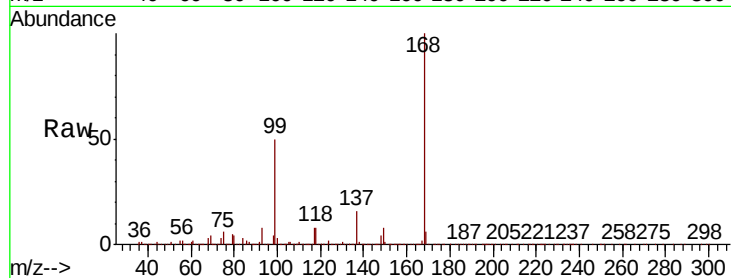
ClientSampleId :

Tot Ion:168 Resp: 535419

Ion Ratio Lower Upper

168 100

99 49.7 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

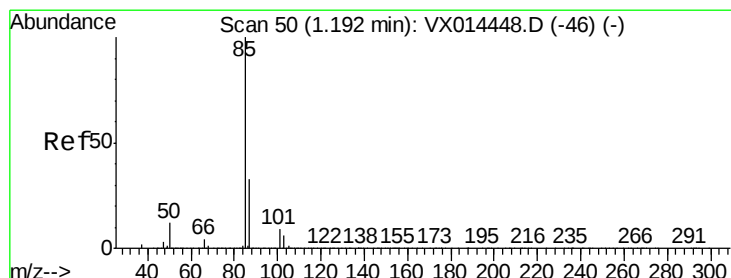
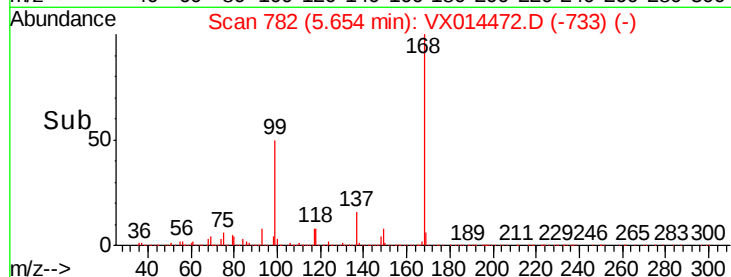
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.278 ug/l

RT: 1.18 min Scan# 48

Delta R.T. -0.01 min

Lab File: VX014472.D

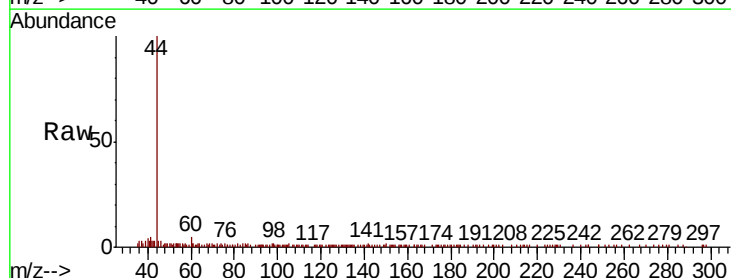
Acq: 08 Jan 2020 15:34

Tgt Ion: 85 Resp: 170

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

1.18

400

300

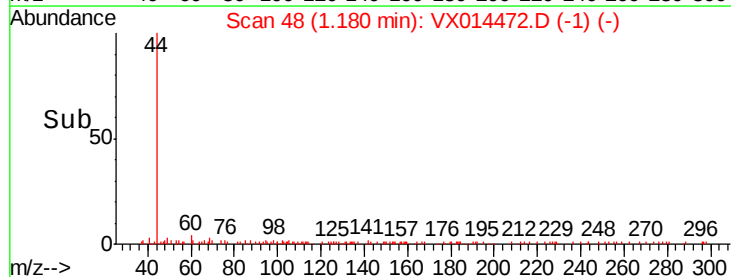
200

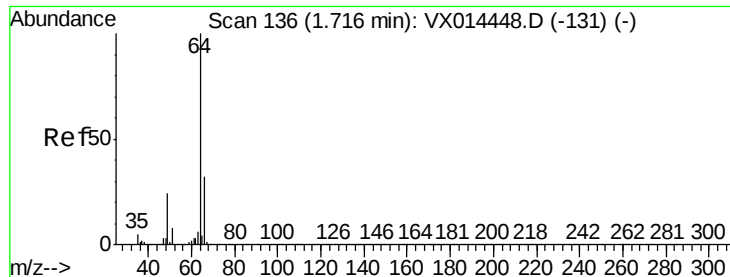
100

0

Time-->

1.16 1.17 1.18 1.19 1.20





#6

Chloroethane

Concen: Below Cal

RT: 1.57 min Scan# 112

Delta R.T. -0.15 min

Lab File: VX014472.D

Acq: 08 Jan 2020 15:34

Instrument :

MSVOA_X

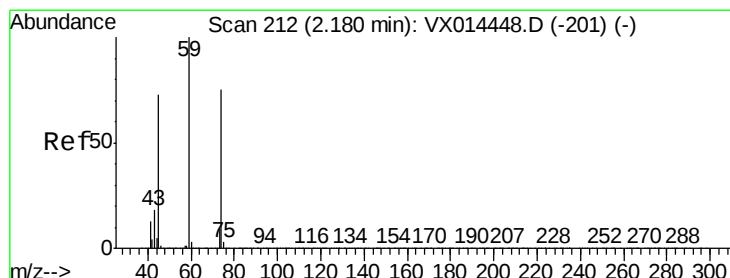
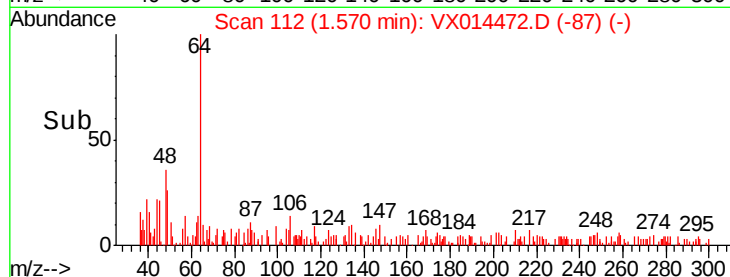
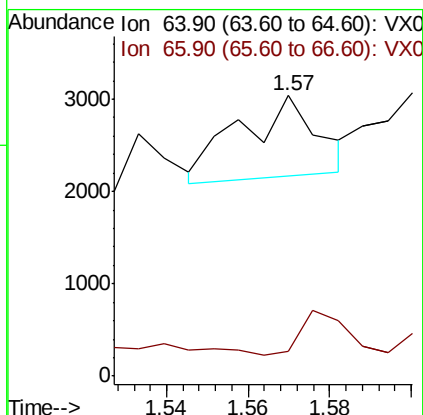
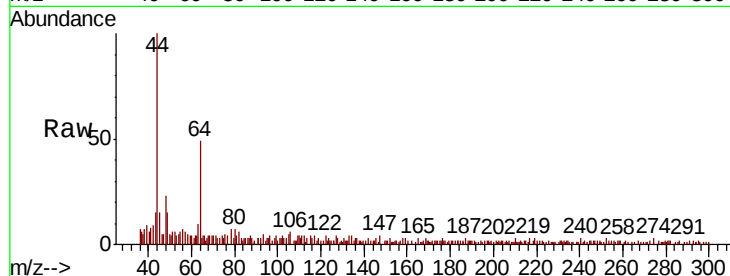
ClientSampleId :

Tot Ion: 64 Resp: 1170

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#8

Diethyl Ether

Concen: 0.345 ug/l

RT: 2.18 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX014472.D

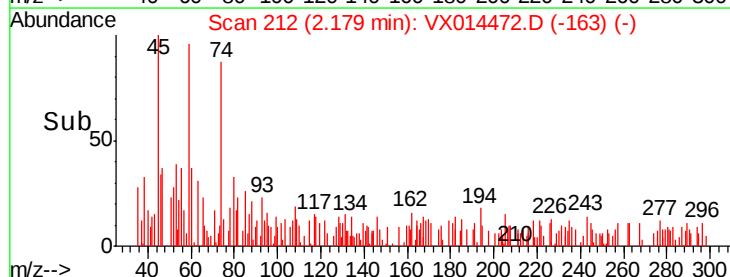
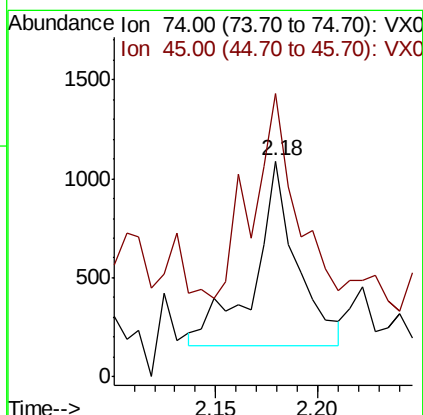
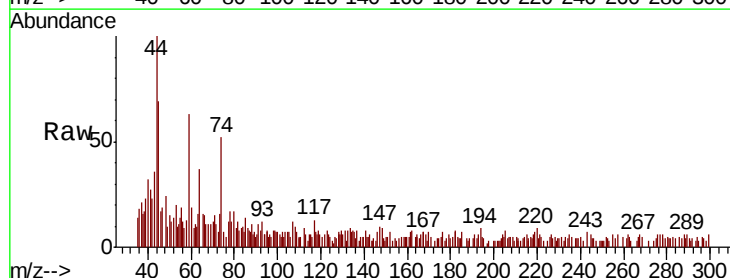
Acq: 08 Jan 2020 15:34

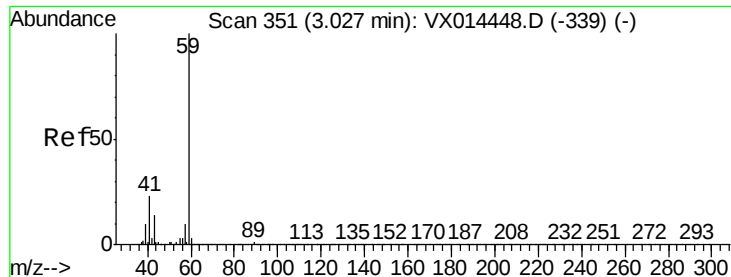
Tgt Ion: 74 Resp: 1357

Ion Ratio Lower Upper

74 100

45 111.0 48.7 146.1



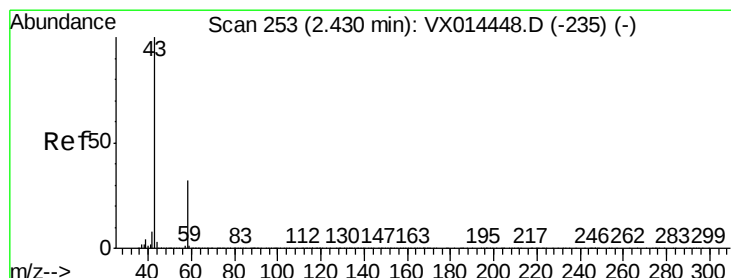
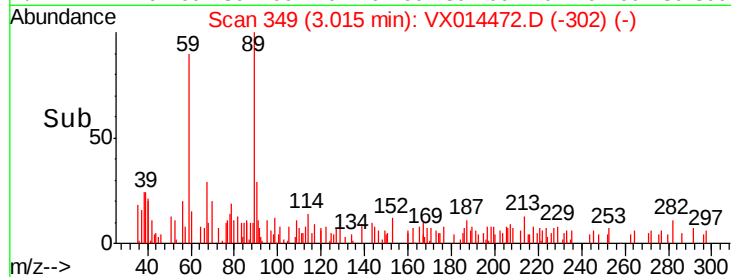
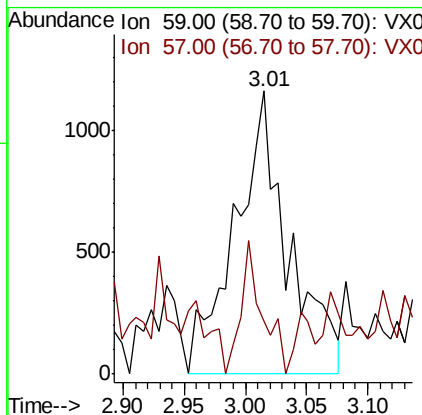
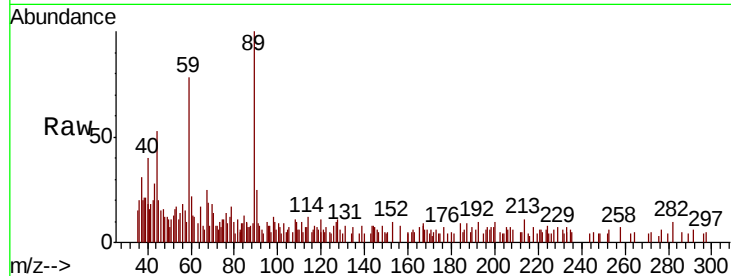


#11

Tert butyl alcohol
 Concen: 2.804 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VX014472.D
 Acq: 08 Jan 2020 15:34

Instrument :
 MSVOA_X
 ClientSampled :

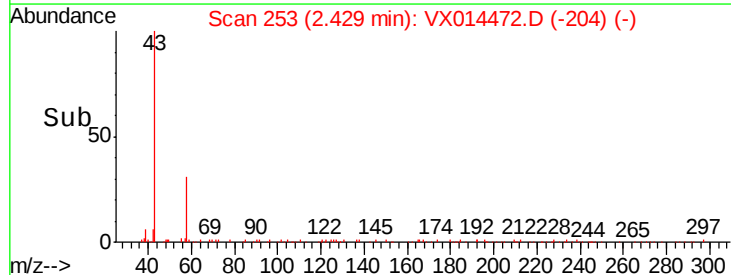
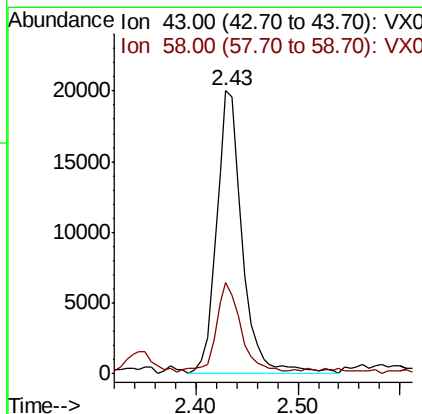
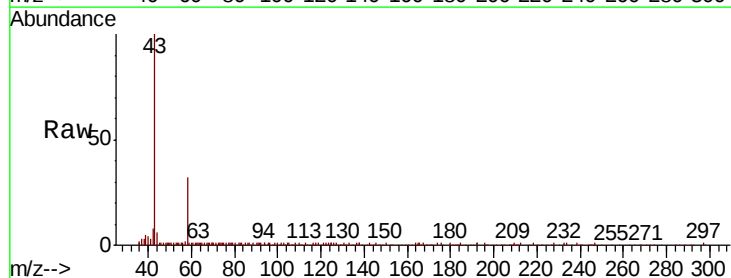
Tot Ion: 59 Resp: 3499
 Ion Ratio Lower Upper
 59 100
 57 18.9 8.5 12.7#

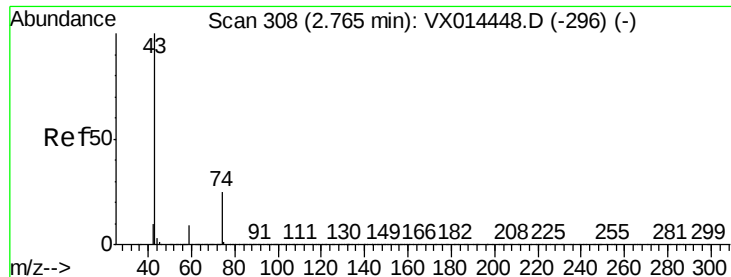


#16

Acetone
 Concen: 7.814 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VX014472.D
 Acq: 08 Jan 2020 15:34

Tgt Ion: 43 Resp: 35549
 Ion Ratio Lower Upper
 43 100
 58 30.3 25.4 38.0

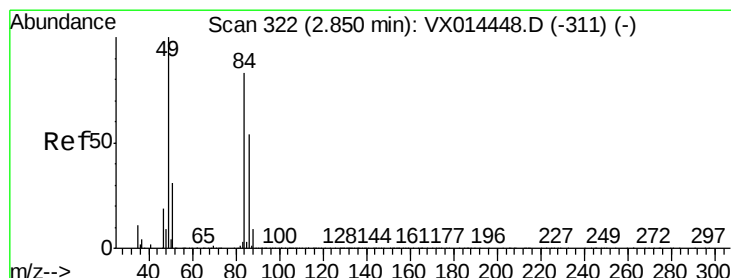
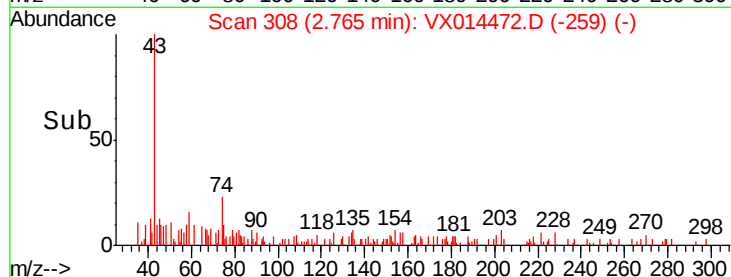
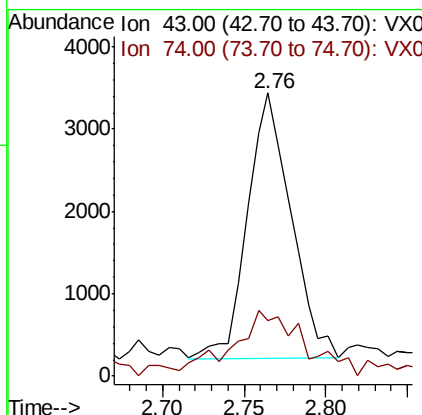
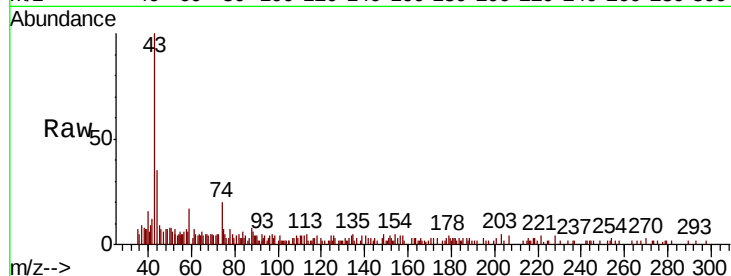




#18
Methvl Acetate
Concen: 0.694 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX014472.D
Acq: 08 Jan 2020 15:34

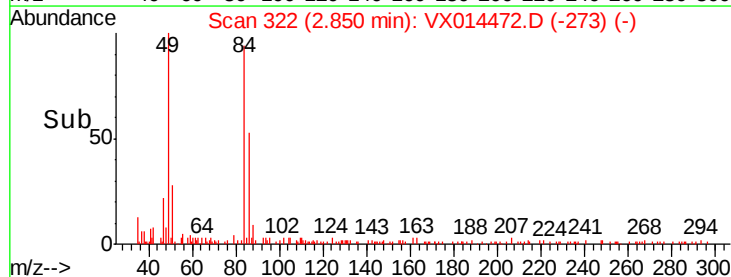
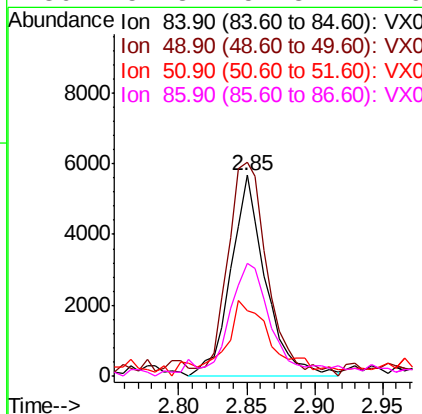
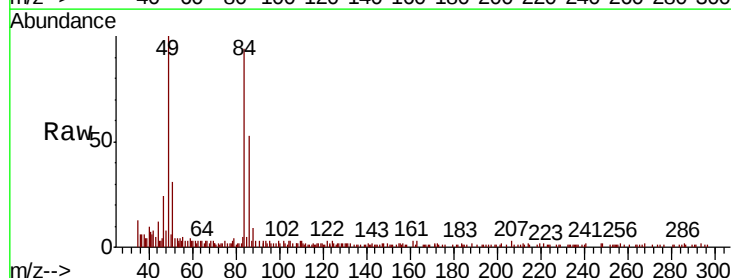
Instrument :
MSVOA_X
ClientSampleId :

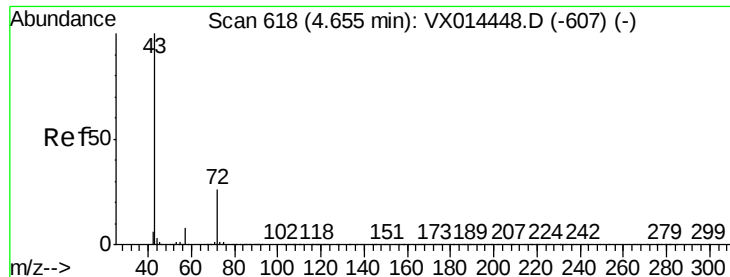
Tot Ion: 43 Resp: 5961
Ion Ratio Lower Upper
43 100
74 29.9 19.4 29.2#



#20
Methylene Chloride
Concen: 1.688 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014472.D
Acq: 08 Jan 2020 15:34

Tgt Ion: 84 Resp: 10150
Ion Ratio Lower Upper
84 100
49 106.3 95.8 143.8
51 27.0 30.2 45.4#
86 51.3 51.8 77.6#





#25

2-Butanone

Concen: 1.590 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX014472.D

Acq: 08 Jan 2020 15:34

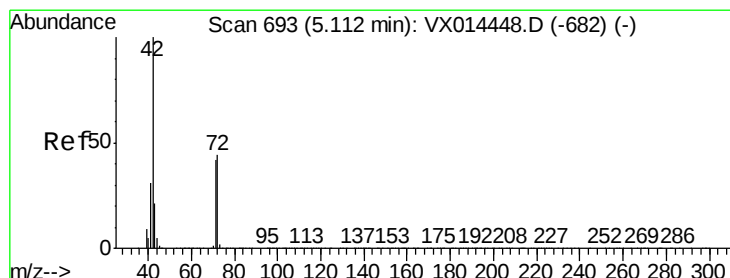
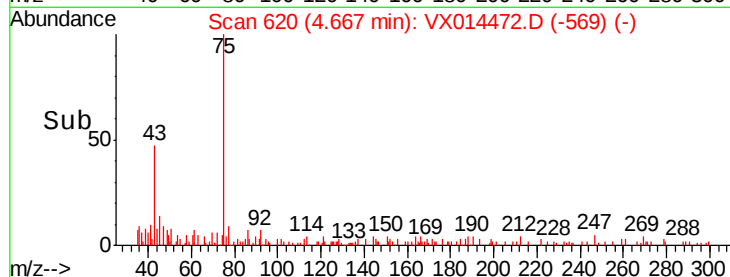
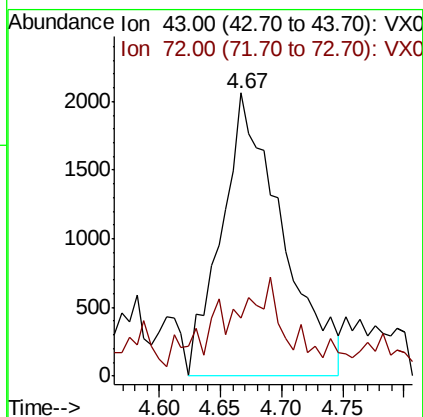
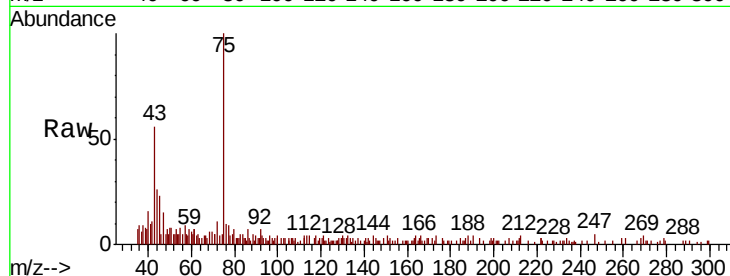
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 7097

Ion Ratio Lower Upper

43 100

72 12.2 20.6 31.0#



#29

Tetrahydrofuran

Concen: 0.290 ug/l

RT: 4.90 min Scan# 659

Delta R.T. -0.21 min

Lab File: VX014472.D

Acq: 08 Jan 2020 15:34

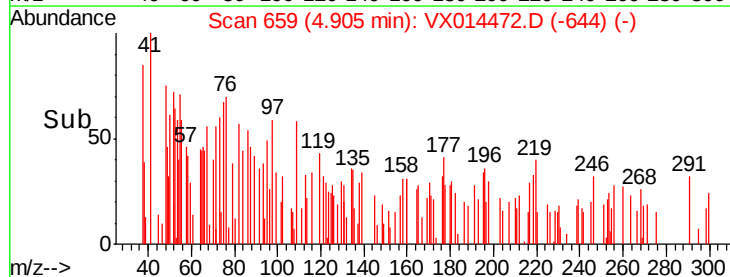
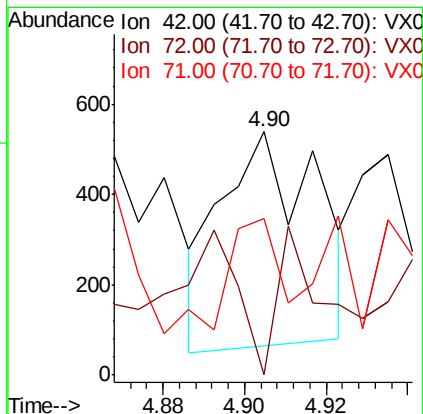
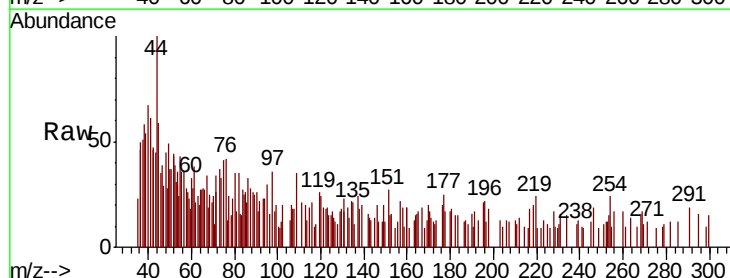
Tgt Ion: 42 Resp: 765

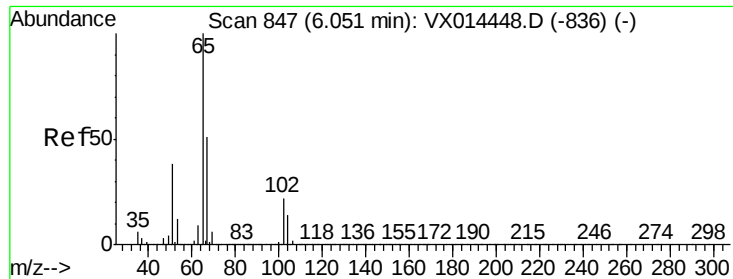
Ion Ratio Lower Upper

42 100

72 37.0 36.2 54.4

71 34.1 34.1 51.1

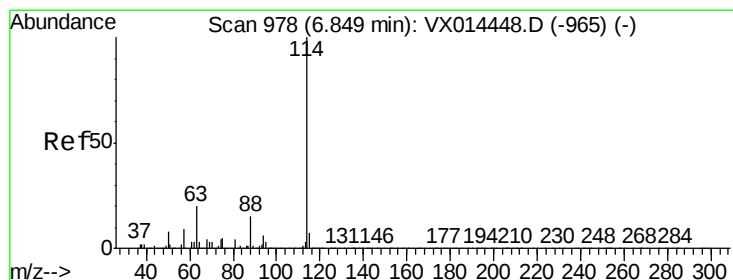
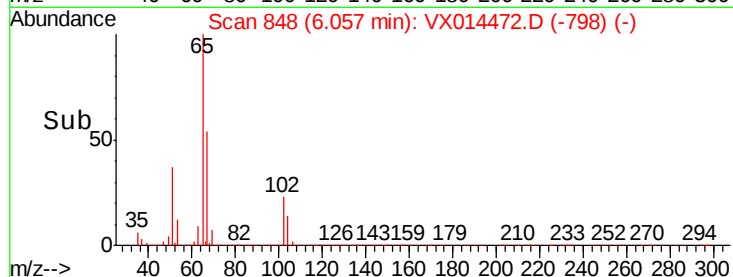
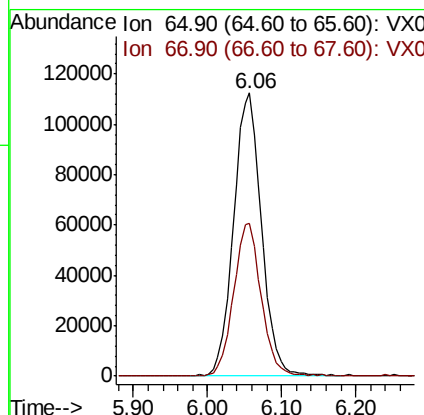
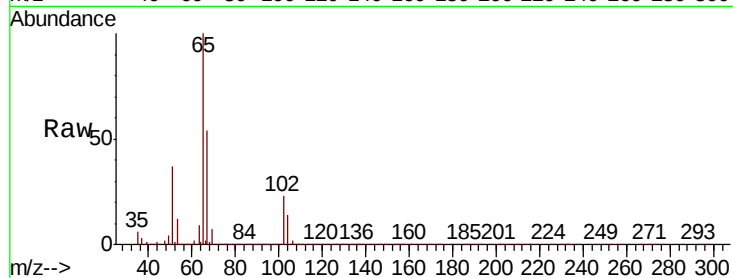




#33
 1,2-Dichloroethane-d4
 Concen: 49.122 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014472.D
 Acq: 08 Jan 2020 15:34

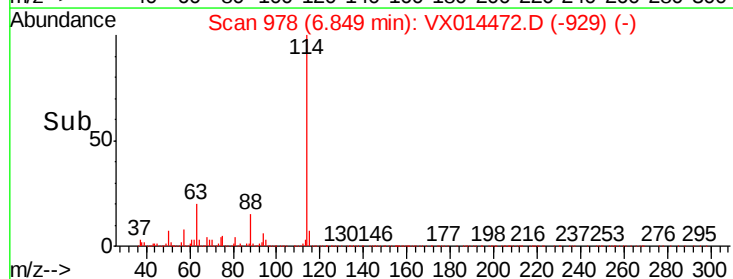
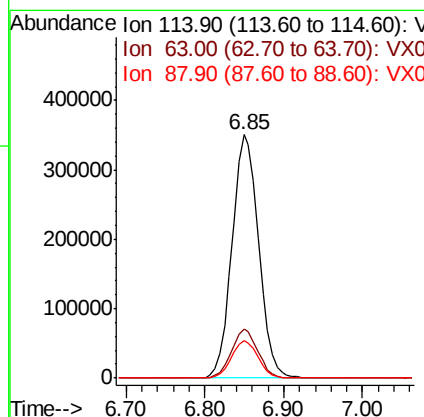
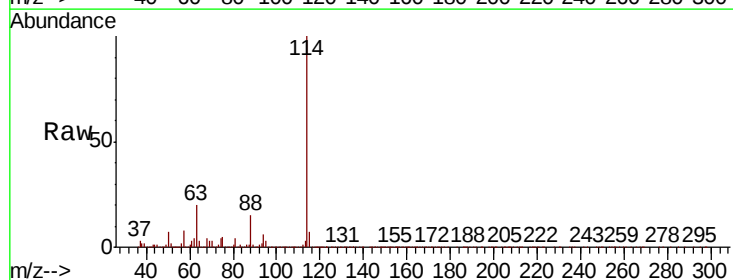
Instrument :
 MSVOA_X
 ClientSampleId :

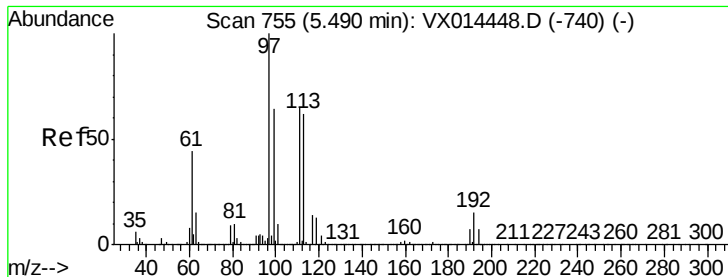
Tot Ion: 65 Resp: 293608
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014472.D
 Acq: 08 Jan 2020 15:34

Tgt Ion: 114 Resp: 820867
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.6
 88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.269 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014472.D

Acq: 08 Jan 2020 15:34

Instrument :
MSVOA_X
ClientSampleId :

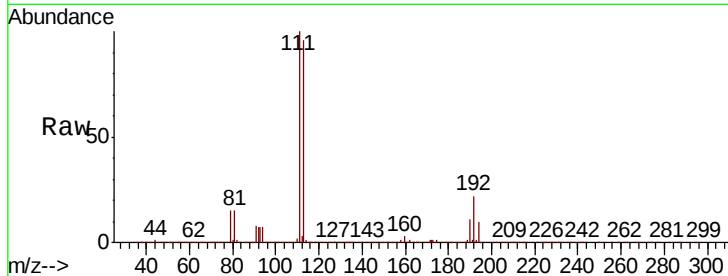
Tot Ion:113 Resp: 244821

Ion Ratio Lower Upper

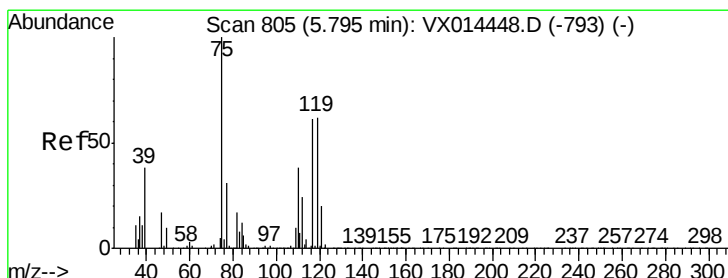
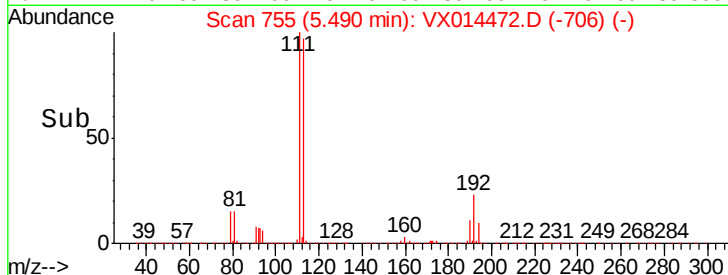
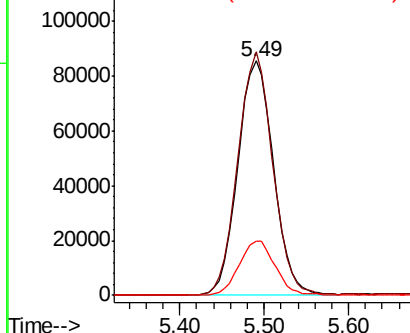
113 100

111 101.6 81.5 122.3

192 23.3 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: 4.673 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX014472.D

Acq: 08 Jan 2020 15:34

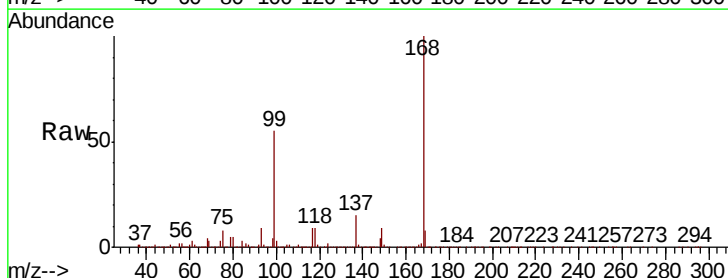
Tgt Ion: 75 Resp: 36071

Ion Ratio Lower Upper

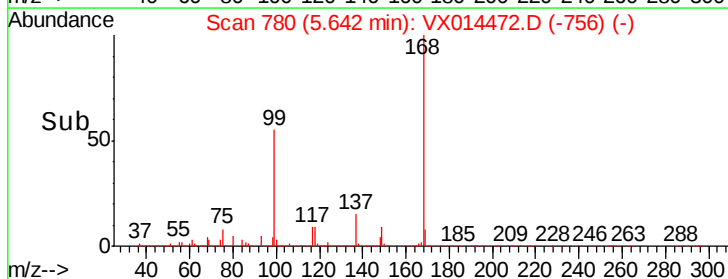
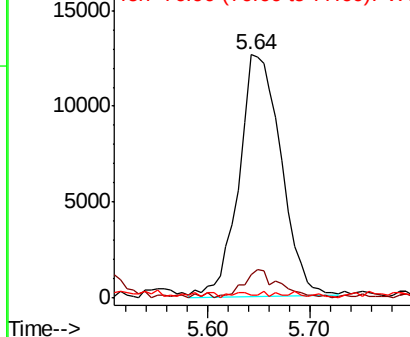
75 100

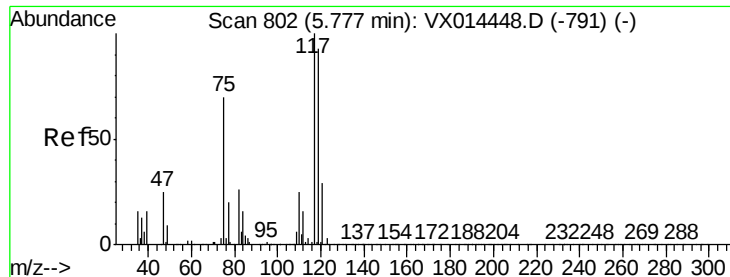
110 0.0 18.6 55.8#

77 1.1 24.5 36.7#



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: 6.369 ug/l

RT: 5.66 min Scan# 783

Delta R.T. -0.12 min

Lab File: VX014472.D

Acq: 08 Jan 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

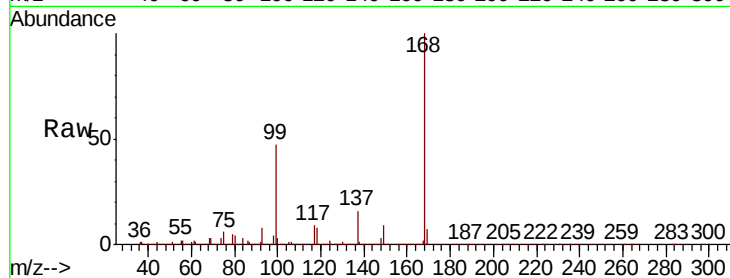
Tot Ion:117 Resp: 45241

Ion Ratio Lower Upper

117 100

119 4.1 73.8 110.8#

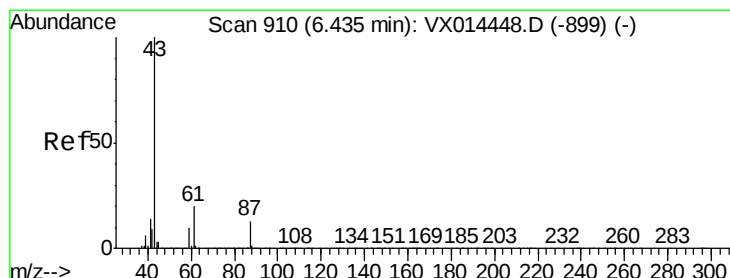
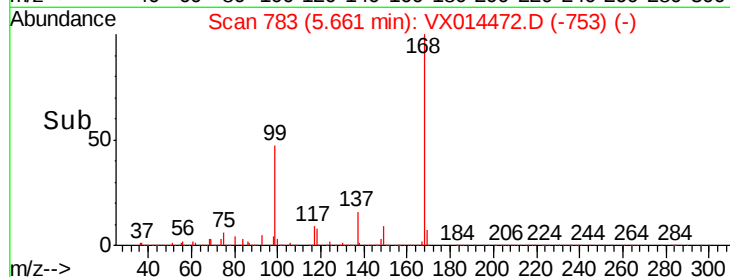
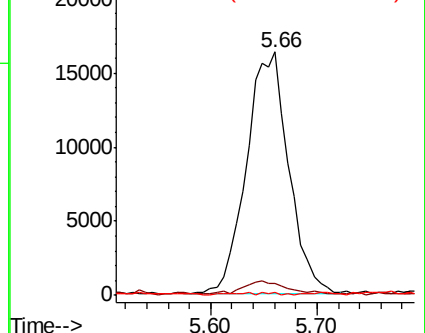
121 0.7 23.4 35.0#



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: 9.752 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX014472.D

Acq: 08 Jan 2020 15:34

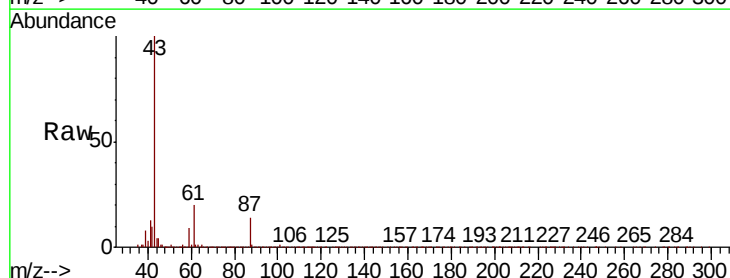
Tgt Ion: 43 Resp: 132098

Ion Ratio Lower Upper

43 100

61 19.9 16.6 24.8

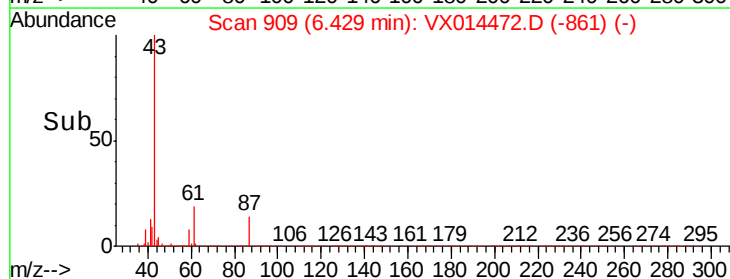
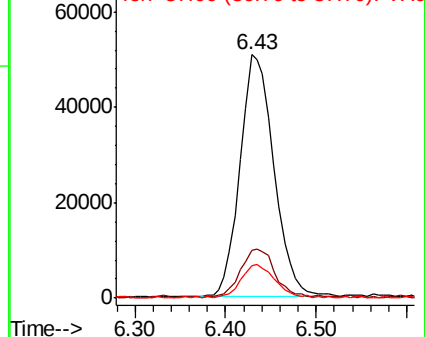
87 13.3 10.8 16.2

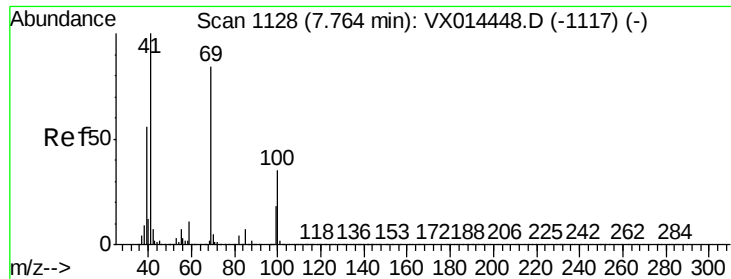


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

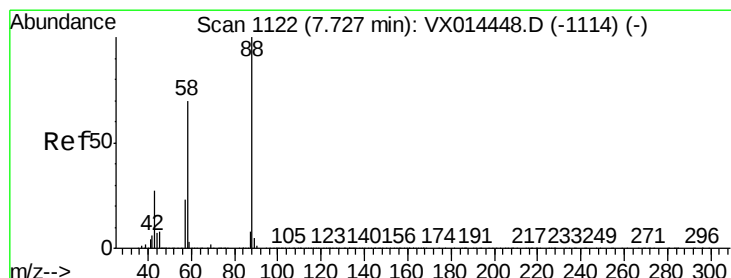
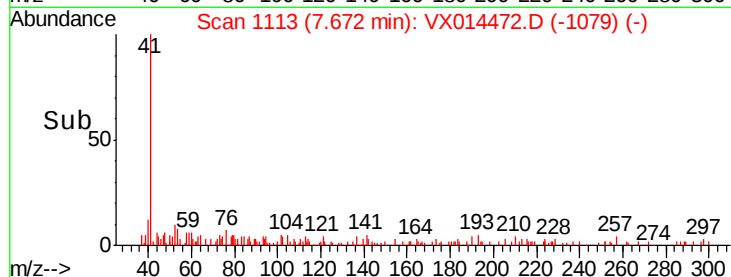
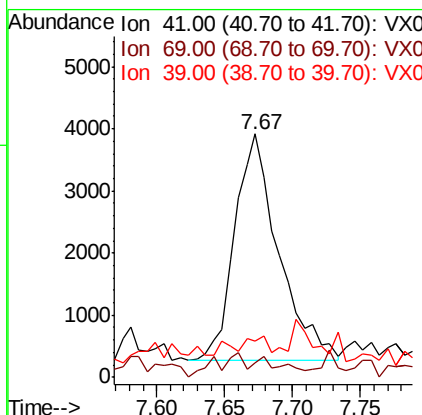
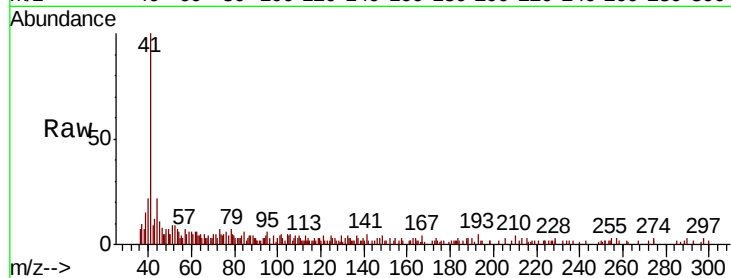




#48
Methvl methacrylate
Concen: 1.256 ug/l
RT: 7.67 min Scan# 1113
Delta R.T. -0.09 min
Lab File: VX014472.D
Acq: 08 Jan 2020 15:34

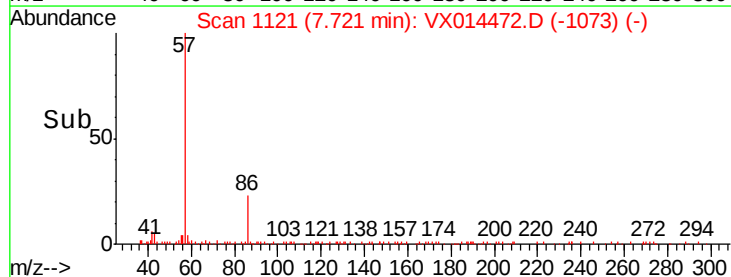
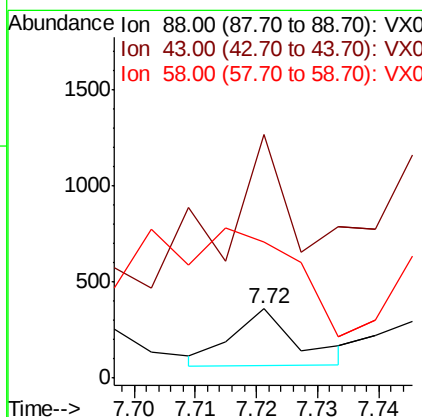
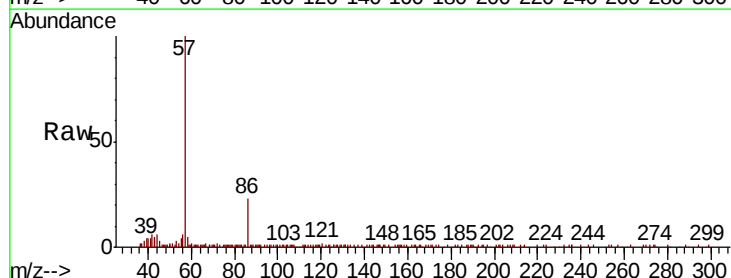
Instrument :
MSVOA_X
ClientSampleId :

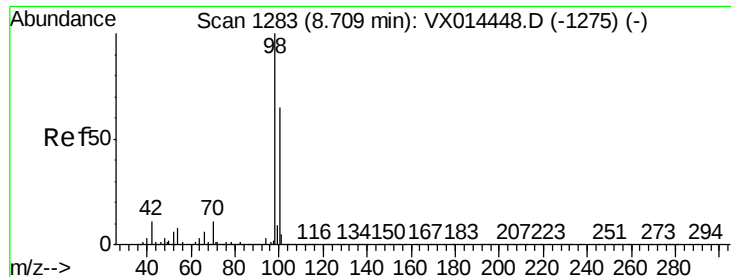
Tot Ion: 41 Resp: 8151
Ion Ratio Lower Upper
41 100
69 2.3 65.5 98.3#
39 0.0 43.9 65.9#



#49
1,4-Dioxane
Concen: 1.630 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014472.D
Acq: 08 Jan 2020 15:34

Tgt Ion: 88 Resp: 224
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 590.2 57.1 85.7#





#50

Toluene-d8

Concen: 51.451 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014472.D

Acq: 08 Jan 2020 15:34

Instrument :

MSVOA_X

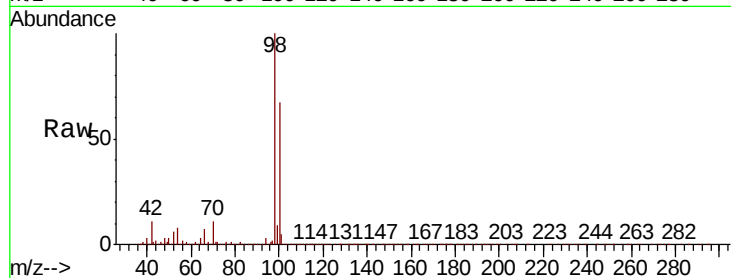
ClientSampleId :

Tot Ion: 98 Resp: 992144

Ion Ratio Lower Upper

98 100

100 65.9 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

600000

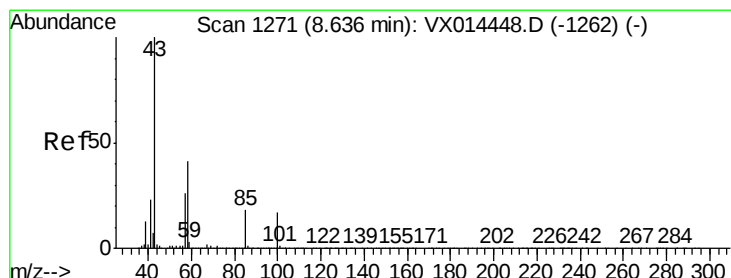
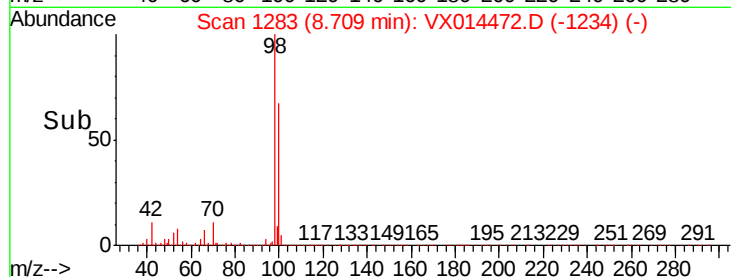
400000

200000

0

8.60 8.70 8.80

Time-->



#51

4-Methyl-2-Pentanone

Concen: 15.227 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014472.D

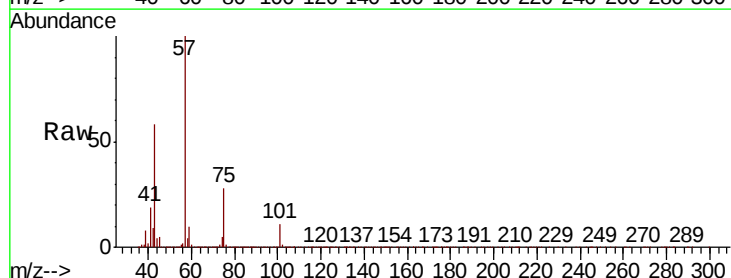
Acq: 08 Jan 2020 15:34

Tgt Ion: 43 Resp: 125682

Ion Ratio Lower Upper

43 100

58 9.0 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.61

80000

60000

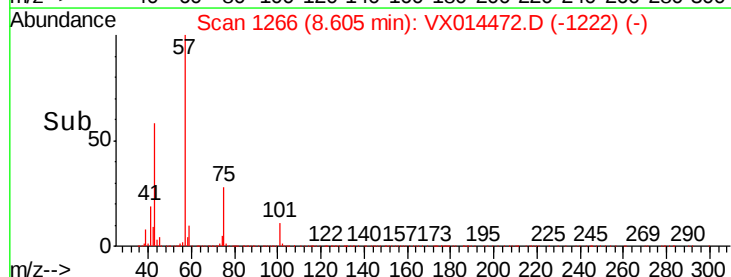
40000

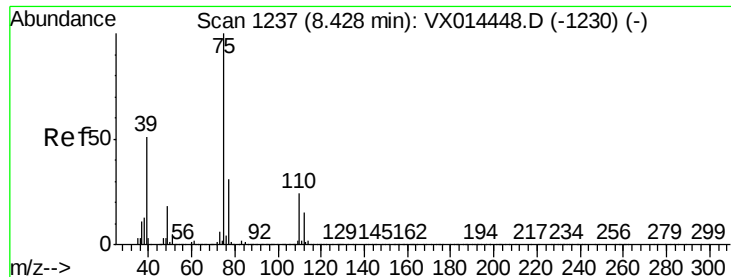
20000

0

8.50 8.55 8.60 8.65 8.70

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.310 ug/l

RT: 8.61 min Scan# 1267

Delta R.T. 0.18 min

Lab File: VX014472.D

Acq: 08 Jan 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

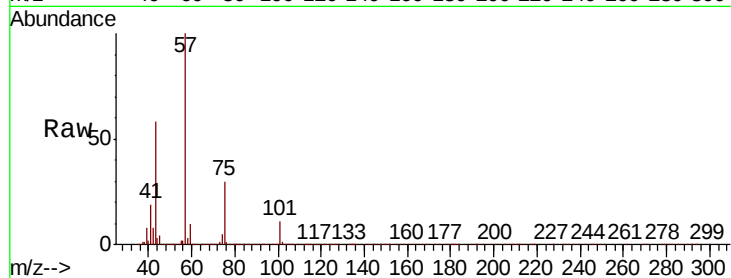
Tot Ion: 75 Resp: 58871

Ion Ratio Lower Upper

75 100

77 0.1 25.0 37.4#

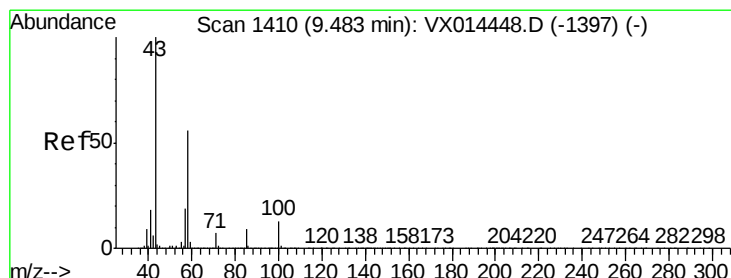
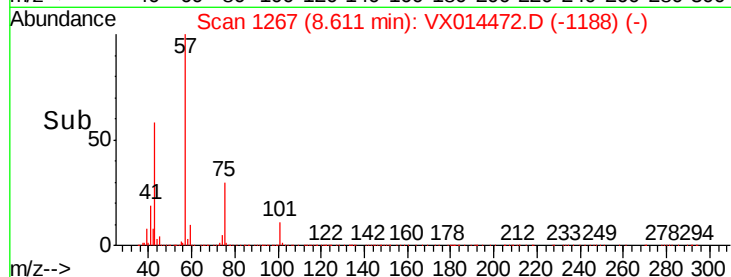
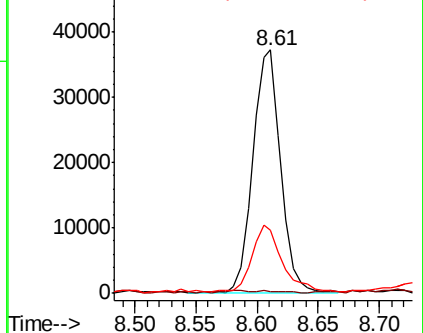
39 25.0 40.7 61.1#



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



#59

2-Hexanone

Concen: 19.583 ug/l

RT: 9.43 min Scan# 1402

Delta R.T. -0.05 min

Lab File: VX014472.D

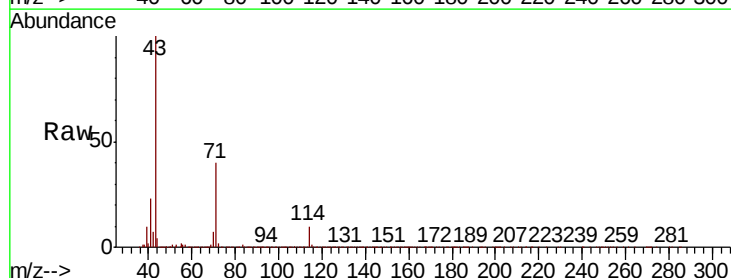
Acq: 08 Jan 2020 15:34

Tgt Ion: 43 Resp: 127896

Ion Ratio Lower Upper

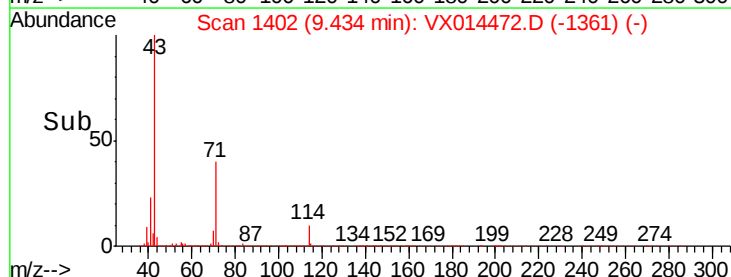
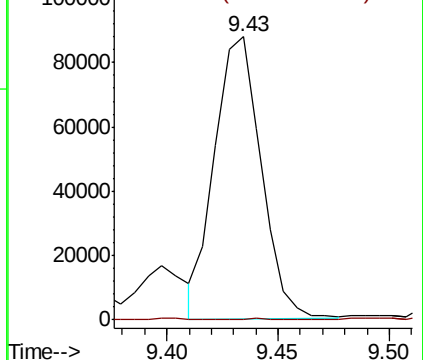
43 100

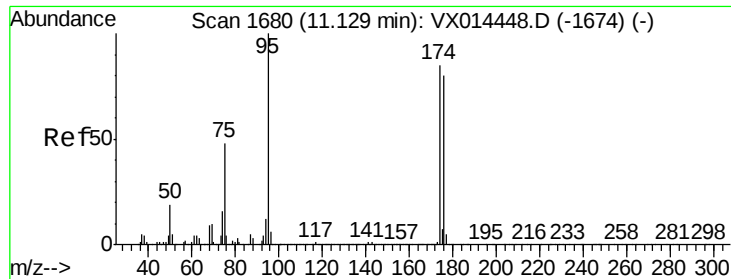
58 0.0 27.9 83.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

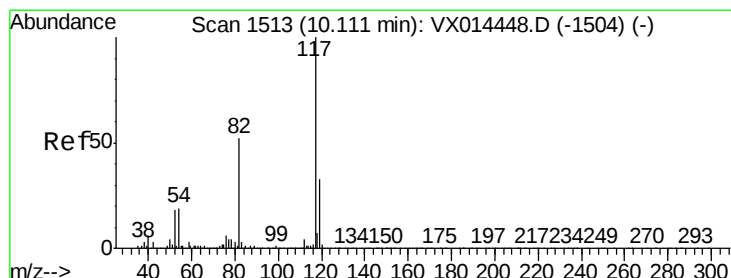
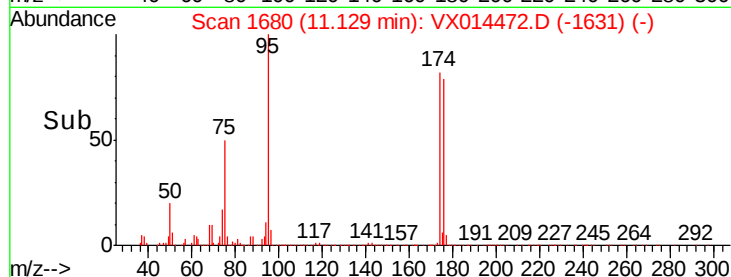
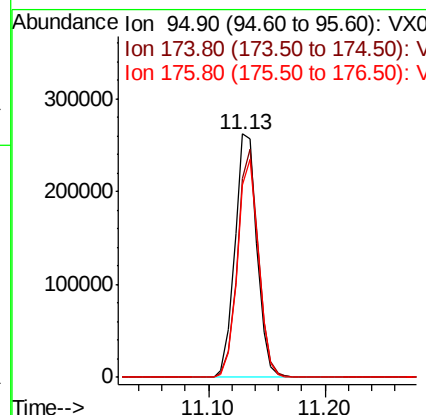
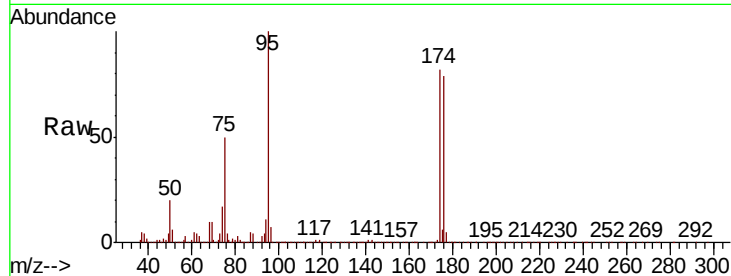




#62
4-Bromofluorobenzene
Concen: 48.908 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014472.D
Acq: 08 Jan 2020 15:34

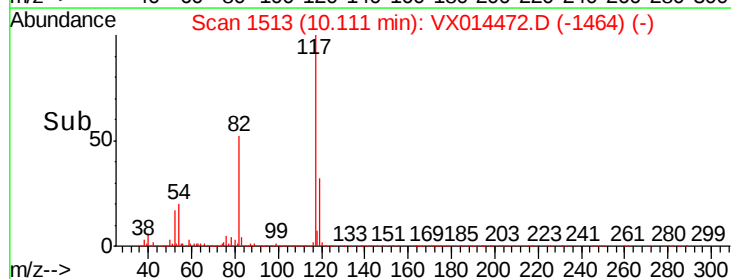
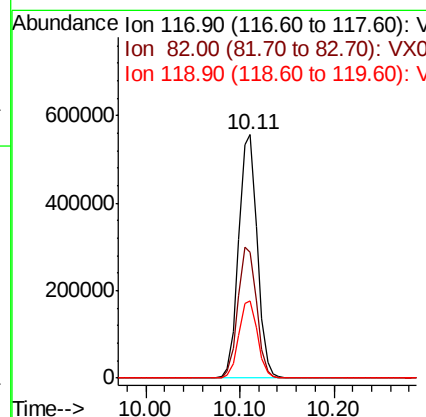
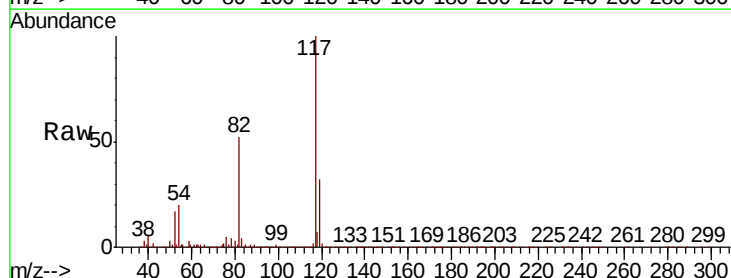
Instrument :
MSVOA_X
ClientSampleId :

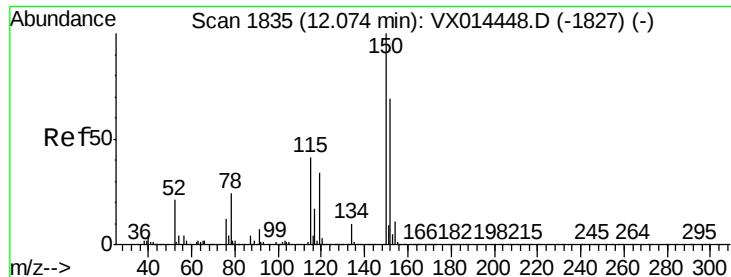
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	180.8
176	86.1	0.0	172.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014472.D
Acq: 08 Jan 2020 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.8	62.6
119	32.0	26.2	39.4



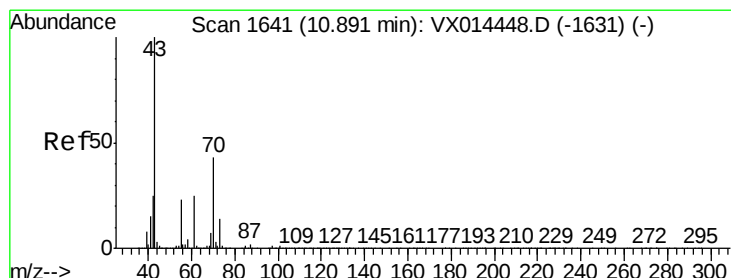
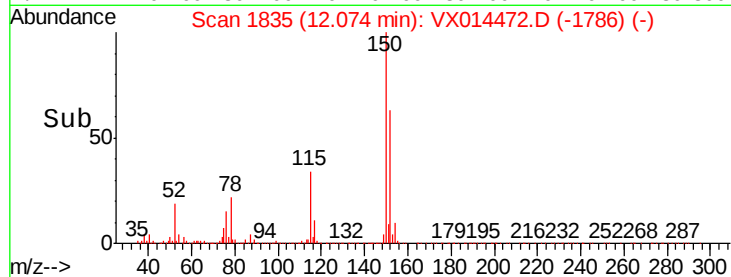
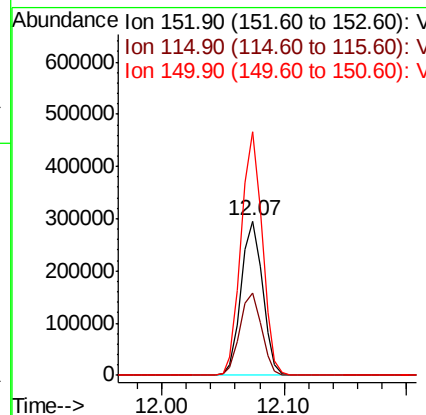
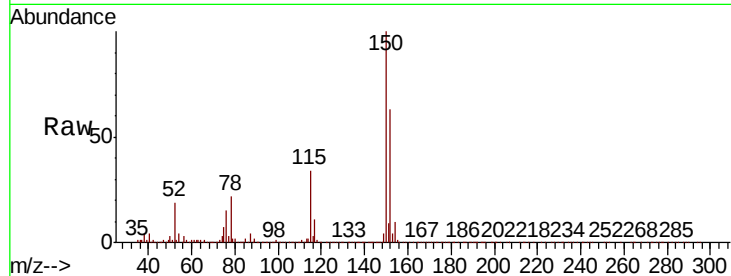


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014472.D
Acq: 08 Jan 2020 15:34

Instrument :
MSVOA_X
ClientSampleId :

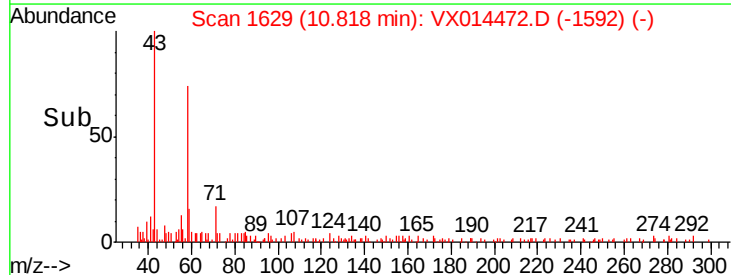
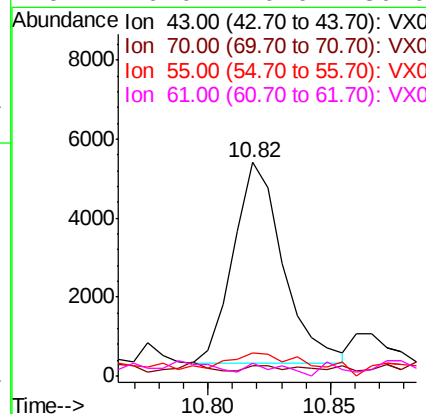
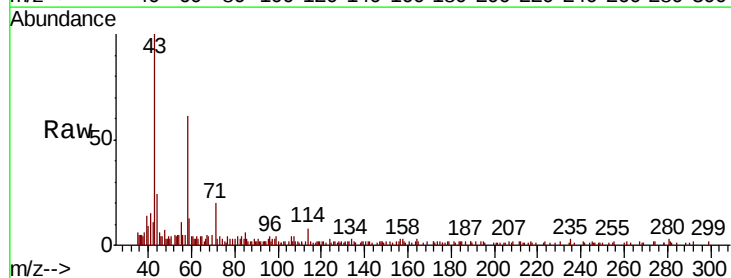
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.3	39.5	118.3
150	155.9	0.0	350.2

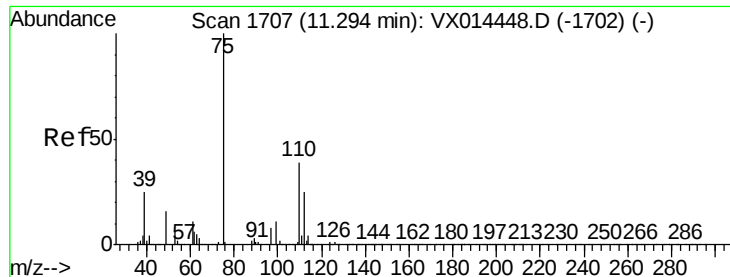


#74

N-ethyl acetate
Concen: 0.649 ug/l
RT: 10.82 min Scan# 1629
Delta R.T. -0.07 min
Lab File: VX014472.D
Acq: 08 Jan 2020 15:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	2.3	35.1	52.7#
55	18.7	19.3	28.9#
61	0.0	20.0	30.0#





#76

1,2,3-Trichloropropane

Concen: 22.812 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014472.D

Acq: 08 Jan 2020 15:34

Instrument :

MSVOA_X

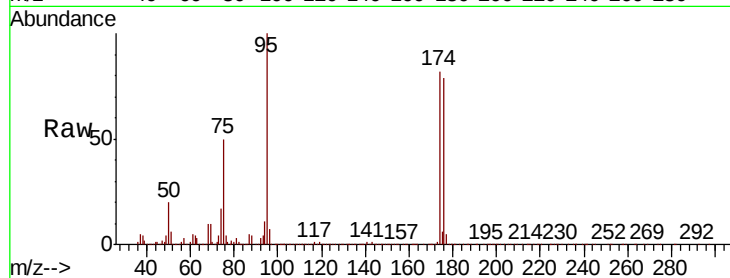
ClientSampleId :

Tot Ion: 75 Resp: 168227

Ion Ratio Lower Upper

75 100

77 1.5 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

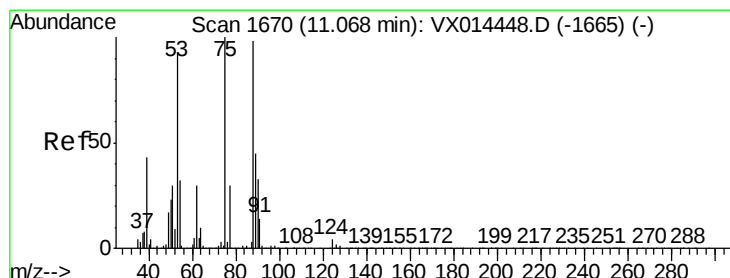
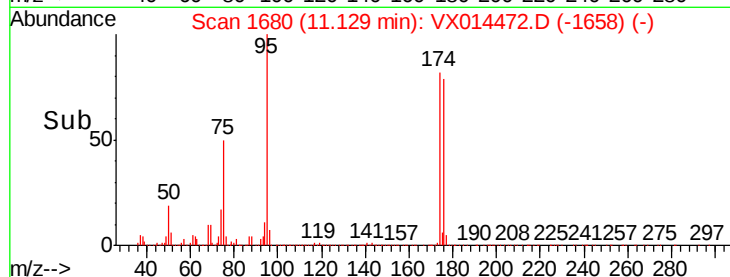
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 60.310 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014472.D

Acq: 08 Jan 2020 15:34

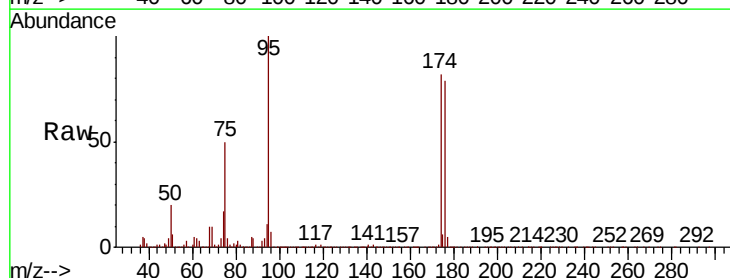
Tgt Ion: 75 Resp: 168227

Ion Ratio Lower Upper

75 100

53 0.0 74.8 112.2#

89 0.0 36.3 54.5#



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

11.13

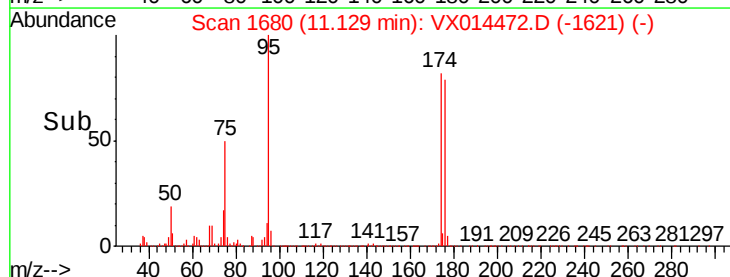
150000

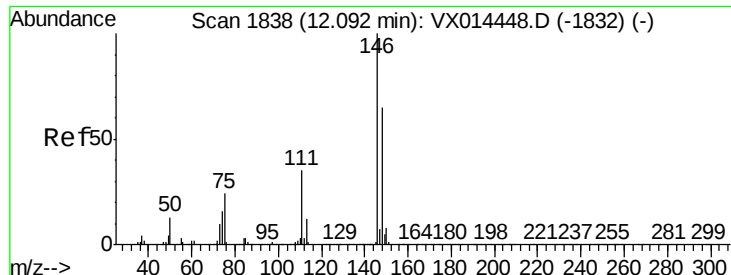
100000

50000

0

Time-->





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.07 min Scan# 1835

Delta R.T. -0.02 min

Lab File: VX014472.D

Acq: 08 Jan 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

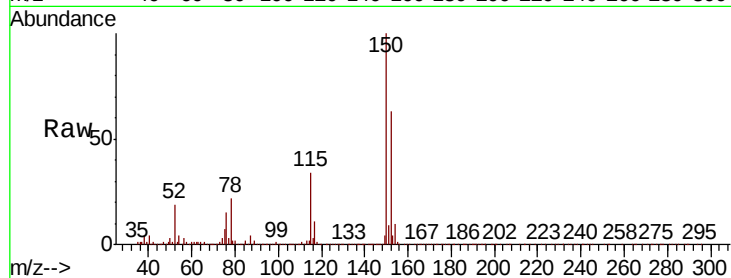
Tot Ion:146 Resp: 1220

Ion Ratio Lower Upper

146 100

111 386.6 18.1 54.1#

148 191.6 32.1 96.3#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

