

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011020\
 Data File : VX014572.D
 Acq On : 11 Jan 2020 05:55
 Operator : JC/SP
 Sample : L1060-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: Jan 13 00:48:02 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	478131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	737975	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	671119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	308475	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	268101	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	5.49	113	222290	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
50) Toluene-d8	8.71	98	880553	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.13	95	299786	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	

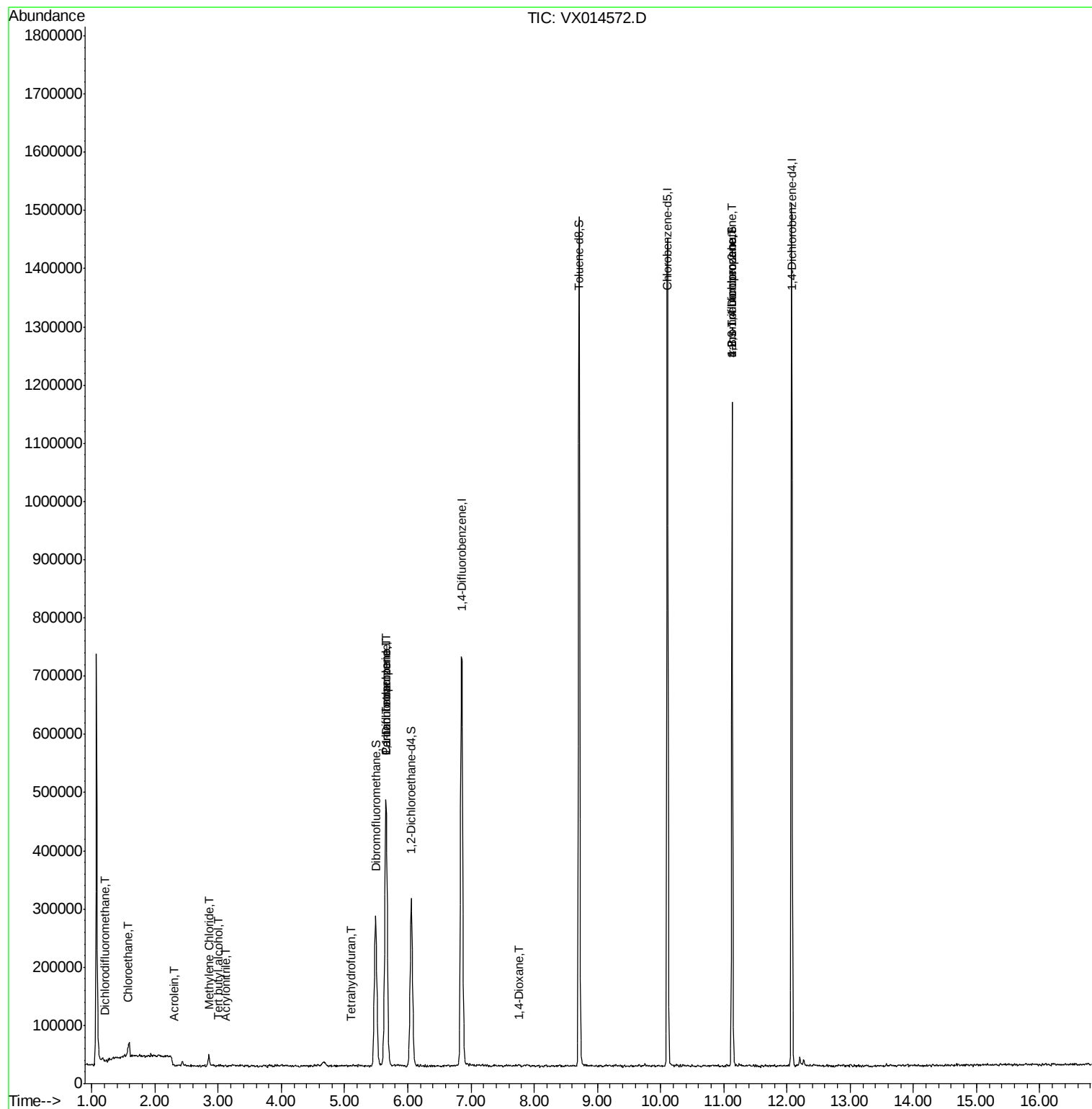
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	382	0.317	ug/l #	1
6) Chloroethane	1.57	64	8022	0.903	ug/l #	54
11) Tert butyl alcohol	3.01	59	1608	1.443	ug/l	96
13) Acrolein	2.30	56	249	0.279	ug/l #	15
15) Acrylonitrile	3.12	53	820	0.305	ug/l #	73
16) Acetone	2.43	43	6417	Below Cal	#	85
20) Methylene Chloride	2.85	84	8960	1.669	ug/l	94
29) Tetrahydrofuran	5.11	42	680	0.288	ug/l #	62
36) 1,1-Dichloropropene	5.65	75	32717	4.714	ug/l #	50
38) Carbon Tetrachloride	5.65	117	42086	6.590	ug/l #	16
49) 1,4-Dioxane	7.76	88	712	5.761	ug/l #	37
76) 1,2,3-Trichloropropane	11.13	75	145527	22.801	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	145611	60.317	ug/l #	12
88) 1,4-Dichlorobenzene	12.04	146	807	Below Cal		74
93) 1,2,4-Trichlorobenzene	13.64	180	306	Below Cal	#	29
96) 1,2,3-Trichlorobenzene	14.00	180	393	Below Cal	#	9

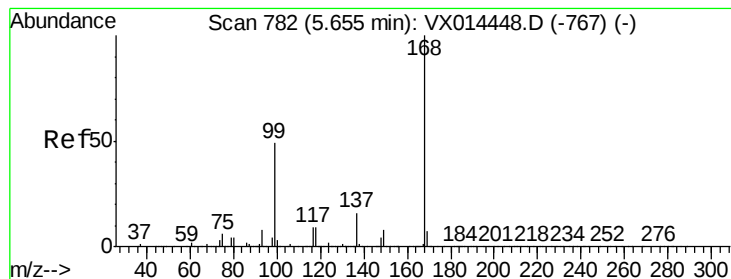
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 07 15:54:41 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014572.D

Acq: 11 Jan 2020 05:55

Instrument :

MSVOA_X

ClientSampleId :

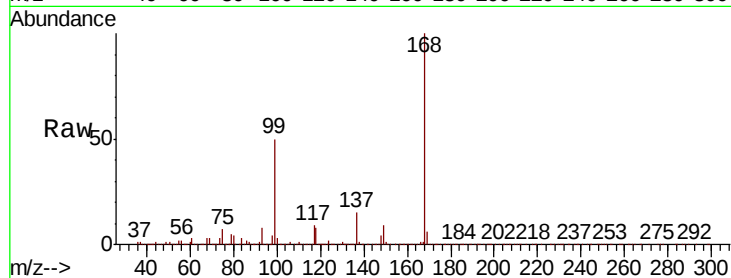
TP-2

Tot Ion:168 Resp: 478131

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

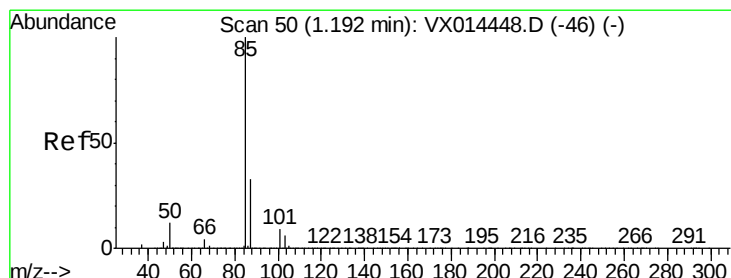
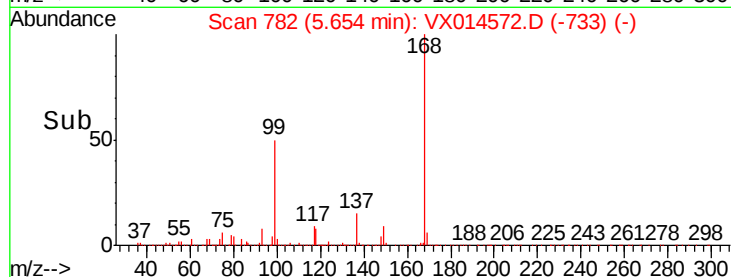
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.317 ug/l

RT: 1.20 min Scan# 52

Delta R.T. 0.01 min

Lab File: VX014572.D

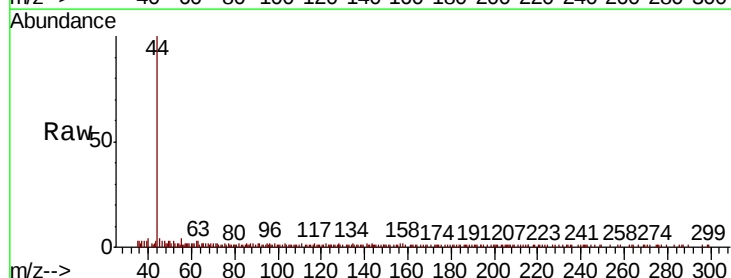
Acq: 11 Jan 2020 05:55

Tgt Ion: 85 Resp: 382

Ion Ratio Lower Upper

85 100

87 125.1 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

500

400

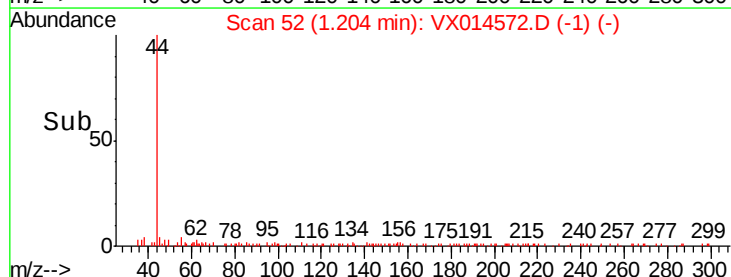
300

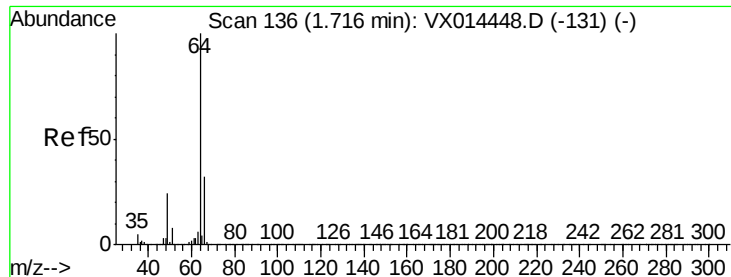
200

100

0

Time-->





#6

Chloroethane

Concen: 0.903 ug/l

RT: 1.57 min Scan# 112

Delta R.T. -0.15 min

Lab File: VX014572.D

Acq: 11 Jan 2020 05:55

Instrument :

MSVOA_X

ClientSampleId :

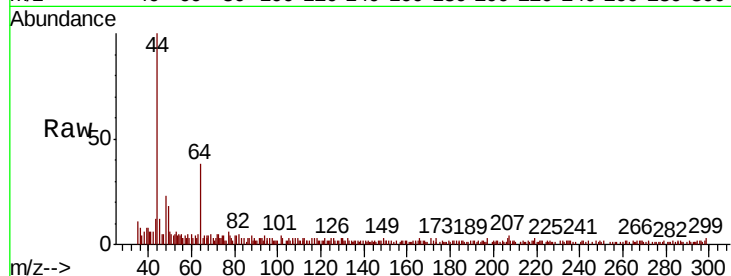
TP-2

Tot Ion: 64 Resp: 8022

Ion Ratio Lower Upper

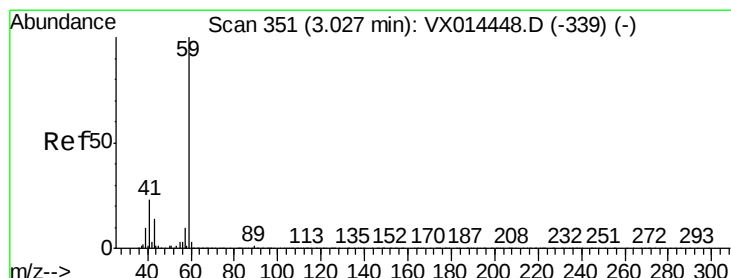
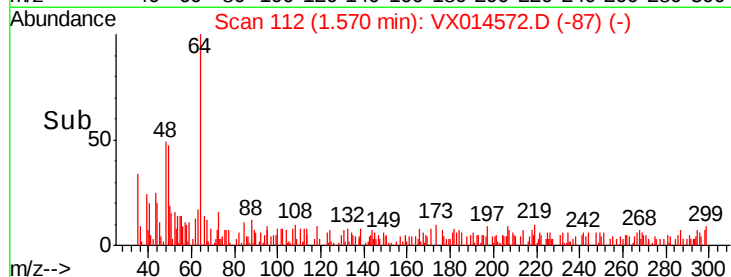
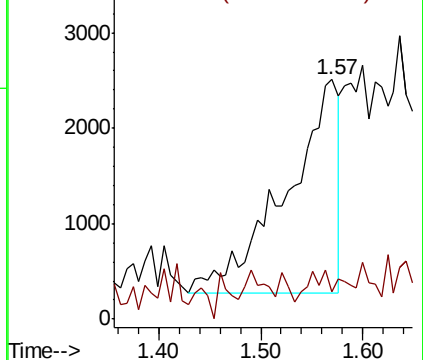
64 100

66 6.1 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 1.443 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX014572.D

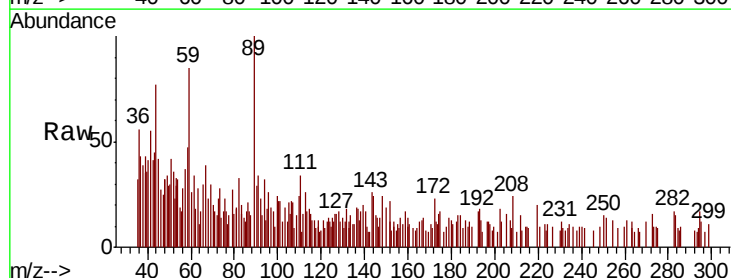
Acq: 11 Jan 2020 05:55

Tgt Ion: 59 Resp: 1608

Ion Ratio Lower Upper

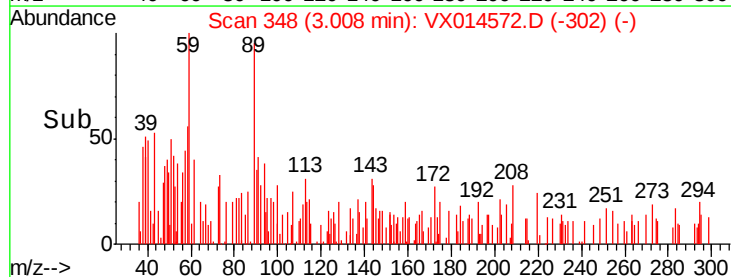
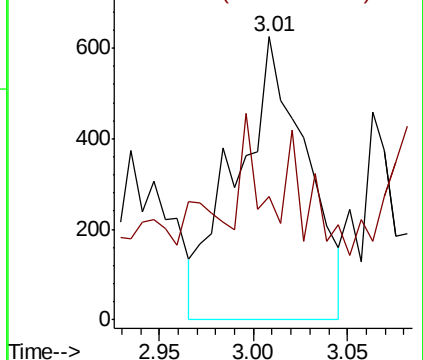
59 100

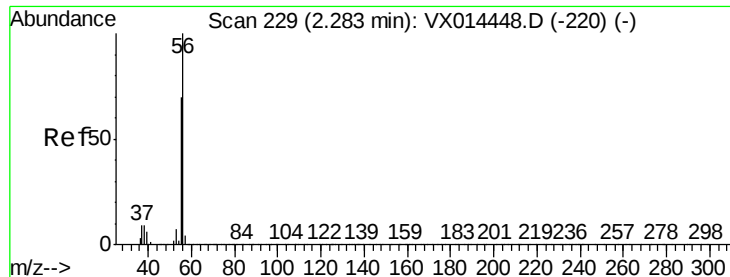
57 9.1 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.279 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.02 min

Lab File: VX014572.D

Acq: 11 Jan 2020 05:55

Instrument :

MSVOA_X

ClientSampled :

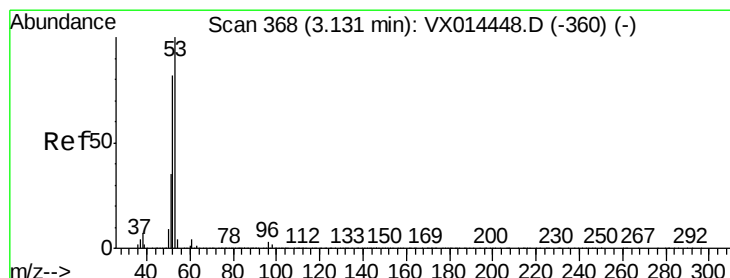
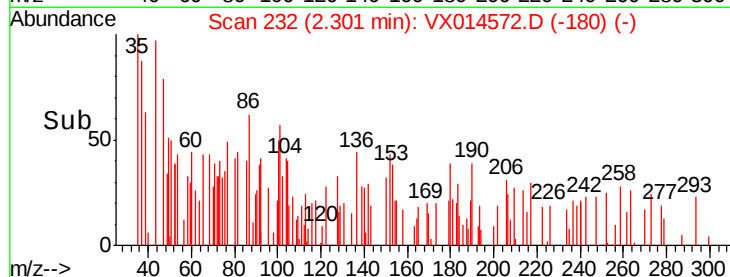
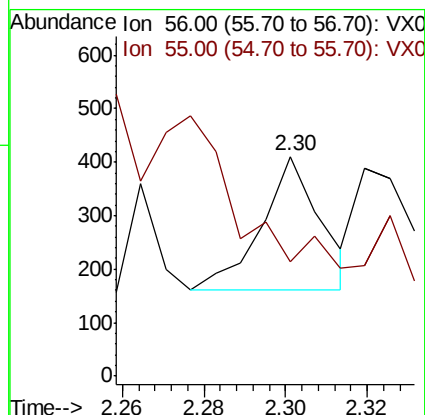
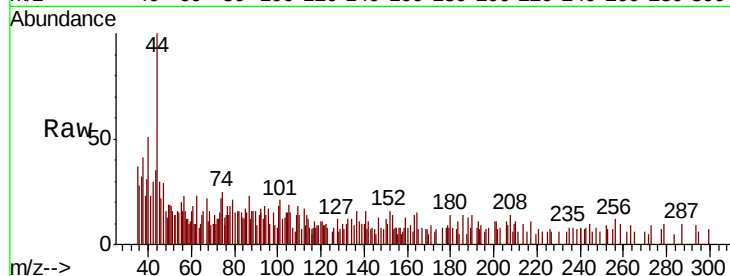
TP-2

Tot Ion: 56 Resp: 249

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.6#



#15

Acrylonitrile

Concen: 0.305 ug/l

RT: 3.12 min Scan# 366

Delta R.T. -0.01 min

Lab File: VX014572.D

Acq: 11 Jan 2020 05:55

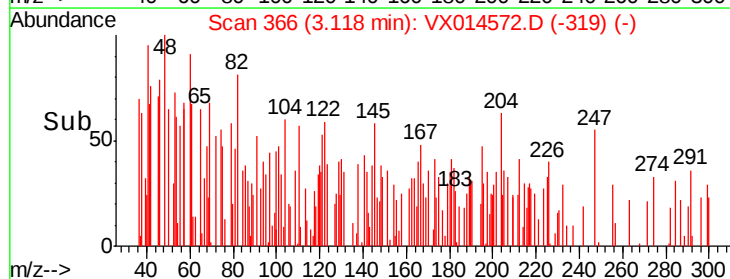
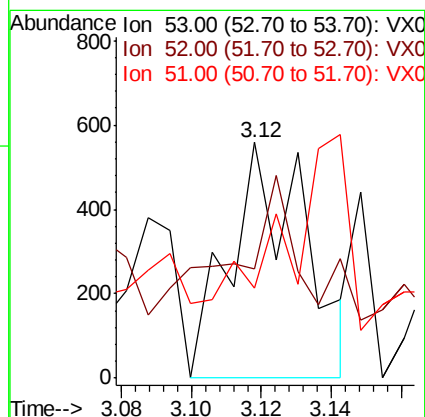
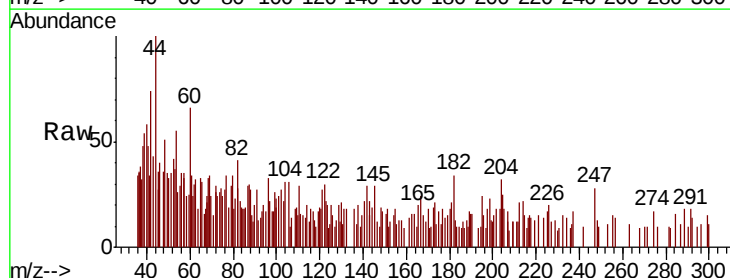
Tgt Ion: 53 Resp: 820

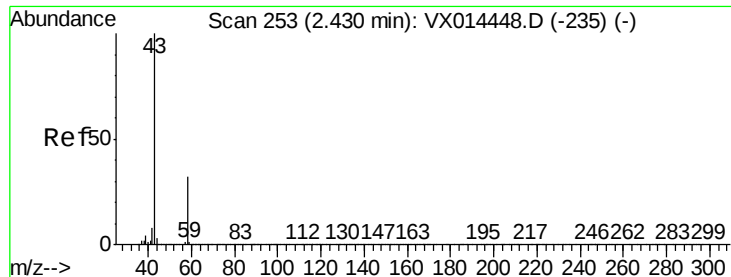
Ion Ratio Lower Upper

53 100

52 71.7 67.0 100.4

51 0.0 28.5 42.7#





#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014572.D

Acq: 11 Jan 2020 05:55

Instrument :

MSVOA_X

ClientSampleId :

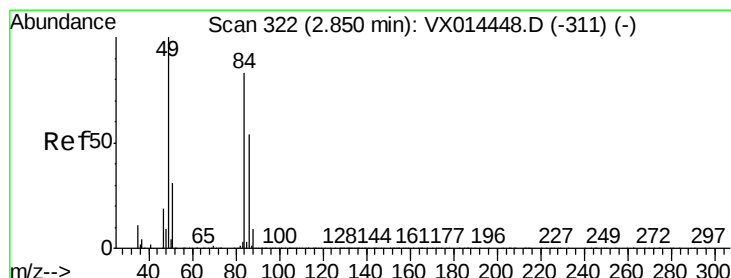
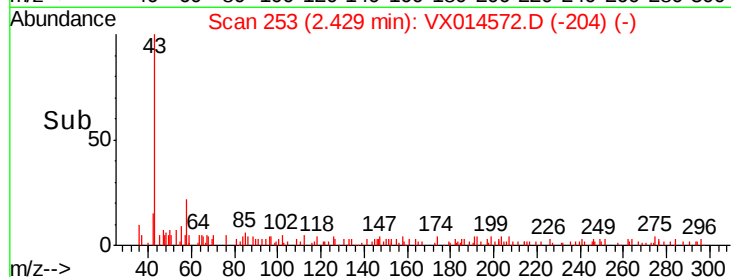
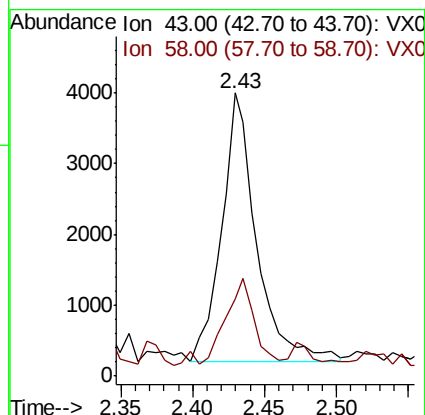
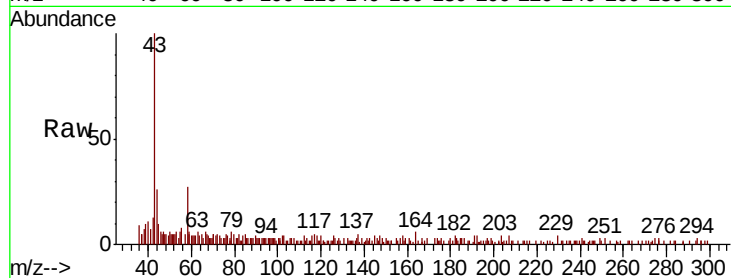
TP-2

Tot Ion: 43 Resp: 6417

Ion Ratio Lower Upper

43 100

58 23.3 25.4 38.0#



#20

Methylene Chloride

Concen: 1.669 ug/l

RT: 2.85 min Scan# 322

Delta R.T. -0.00 min

Lab File: VX014572.D

Acq: 11 Jan 2020 05:55

Tgt Ion: 84 Resp: 8960

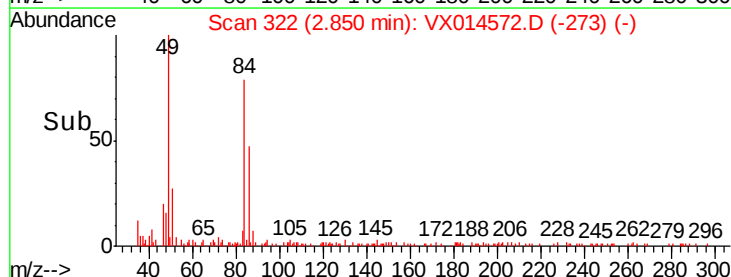
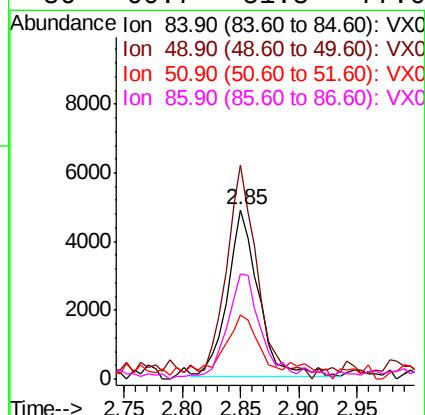
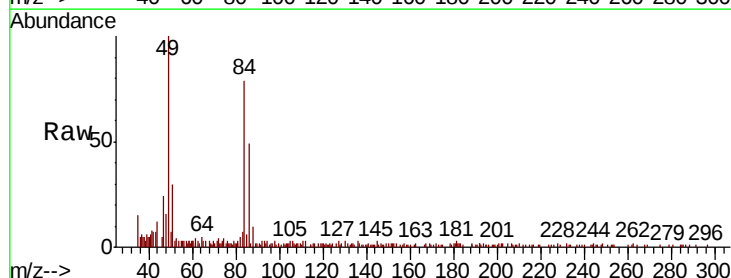
Ion Ratio Lower Upper

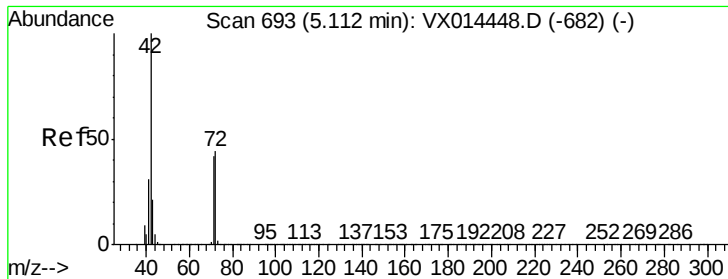
84 100

49 125.0 95.8 143.8

51 32.3 30.2 45.4

86 60.7 51.8 77.6





#29

Tetrahydrofuran

Concen: 0.288 ug/l

RT: 5.11 min Scan# 692

Delta R.T. -0.01 min

Lab File: VX014572.D

Acq: 11 Jan 2020 05:55

Instrument :

MSVOA_X

ClientSampleId :

TP-2

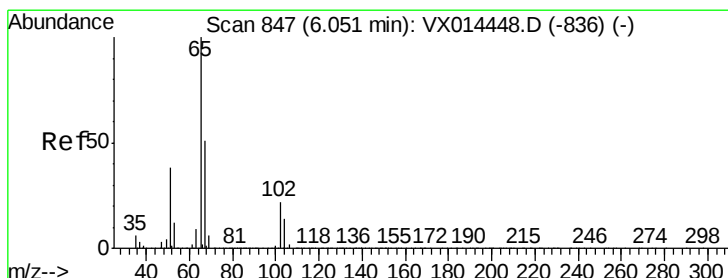
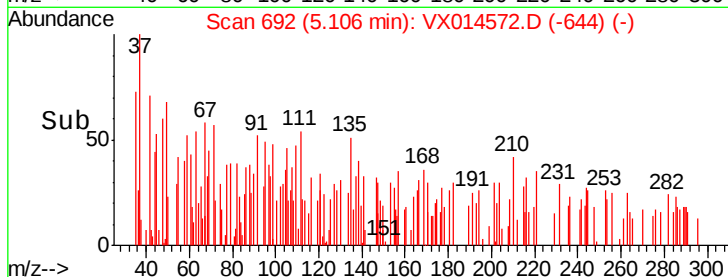
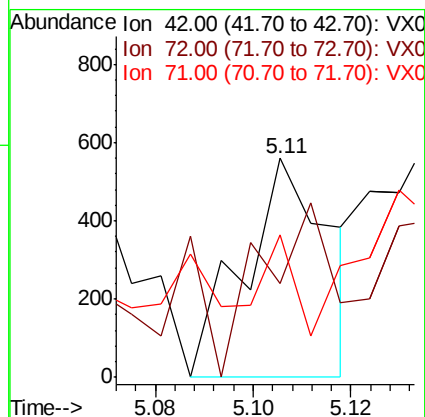
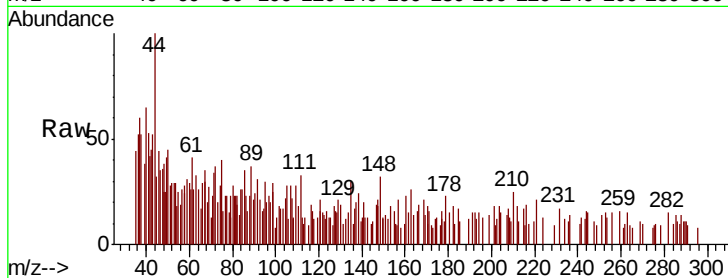
Tot Ion: 42 Resp: 680

Ion Ratio Lower Upper

42 100

72 65.6 36.2 54.4#

71 14.0 34.1 51.1#



#33

1,2-Dichloroethane-d4

Concen: 50.229 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014572.D

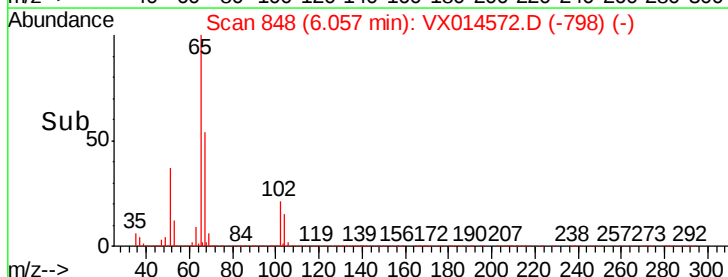
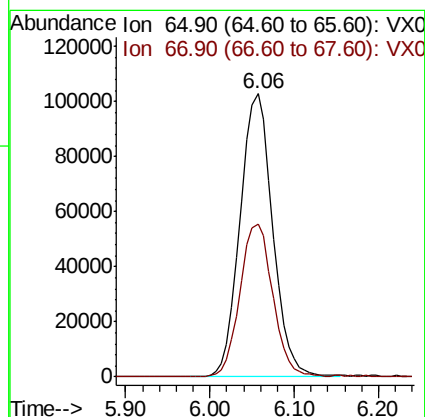
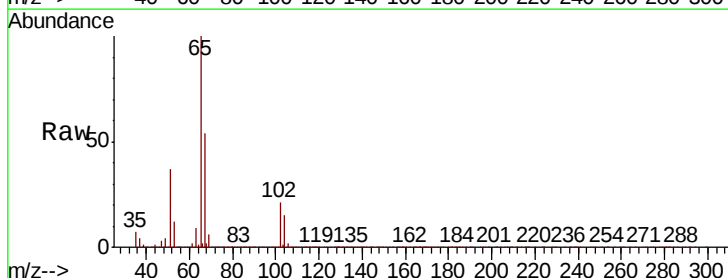
Acq: 11 Jan 2020 05:55

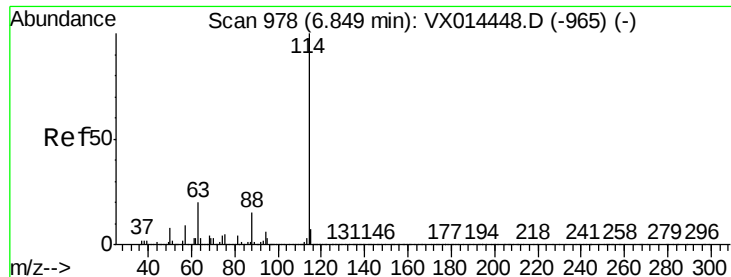
Tgt Ion: 65 Resp: 268101

Ion Ratio Lower Upper

65 100

67 54.3 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX014572.D

Acq: 11 Jan 2020 05:55

Instrument :

MSVOA_X

ClientSampleId :

TP-2

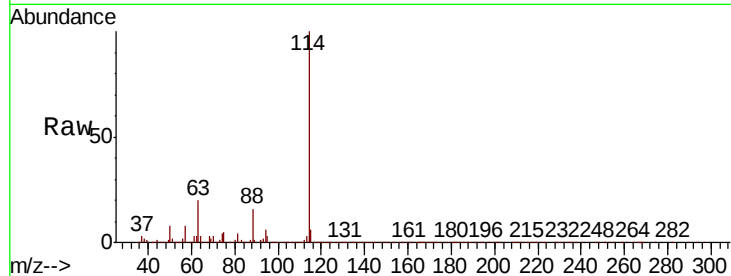
Tot Ion:114 Resp: 737975

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

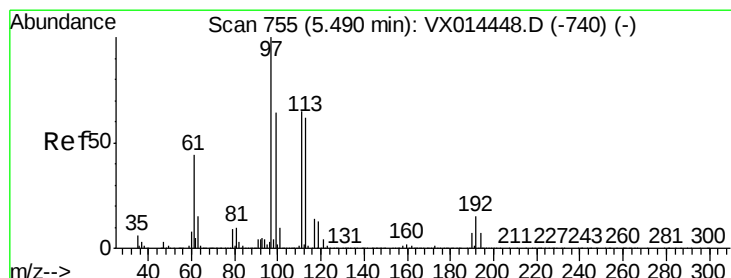
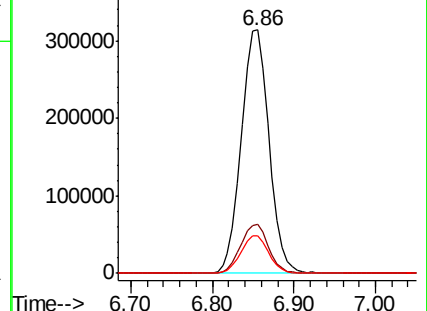
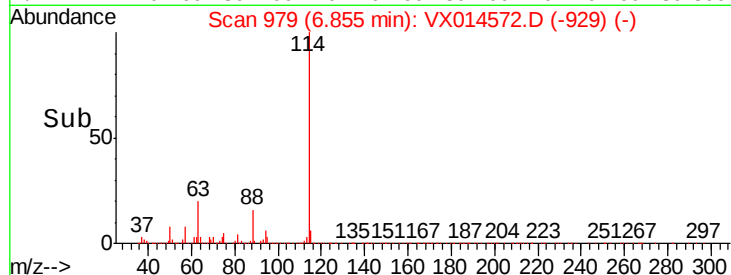
88 15.5 0.0 30.8



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: 49.760 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014572.D

Acq: 11 Jan 2020 05:55

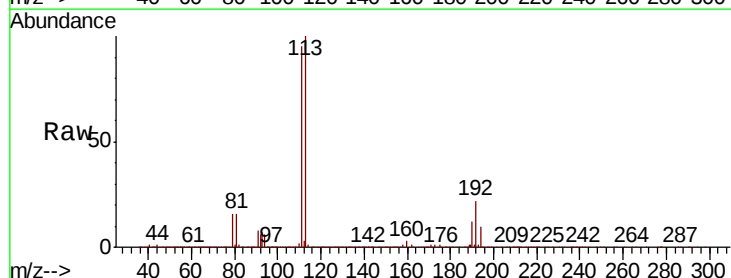
Tgt Ion:113 Resp: 222290

Ion Ratio Lower Upper

113 100

111 101.8 81.5 122.3

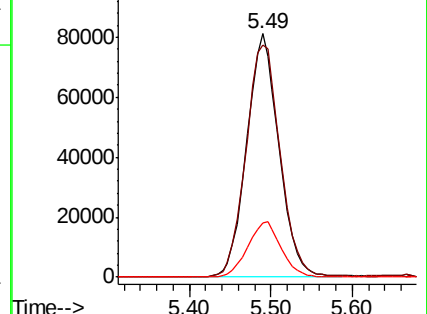
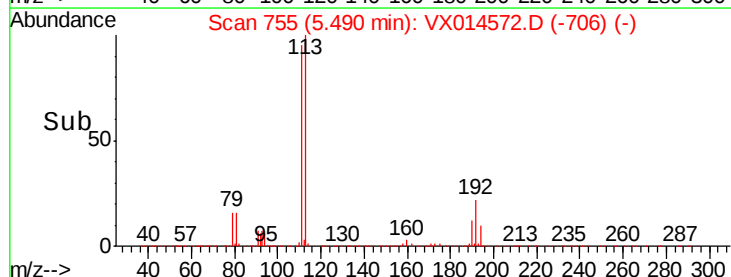
192 23.8 19.2 28.8

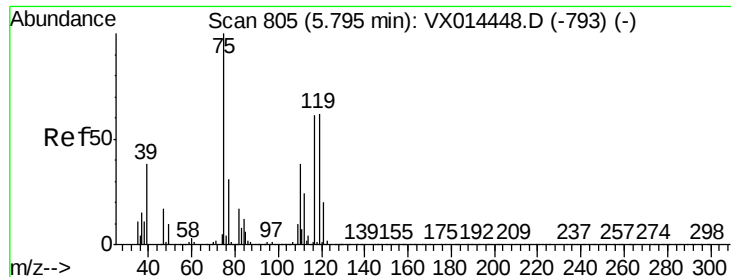


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.714 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014572.D

Acq: 11 Jan 2020 05:55

Instrument :

MSVOA_X

ClientSampleId :

TP-2

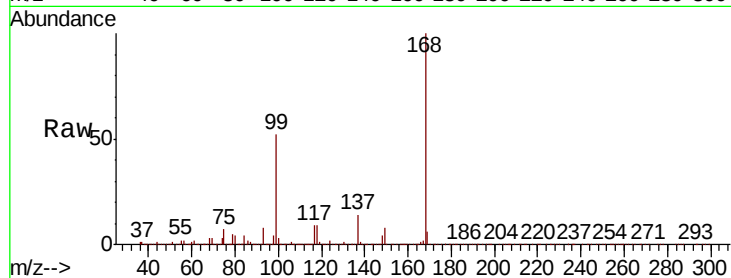
Tot Ion: 75 Resp: 32717

Ion Ratio Lower Upper

75 100

110 10.0 18.6 55.8#

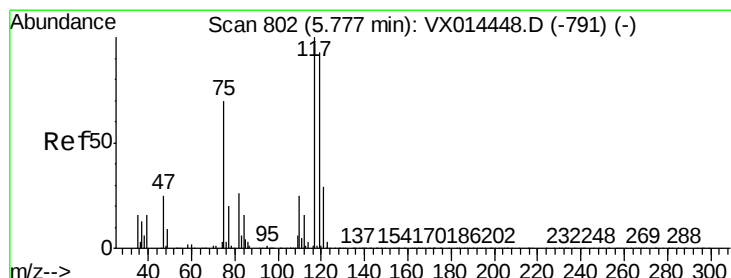
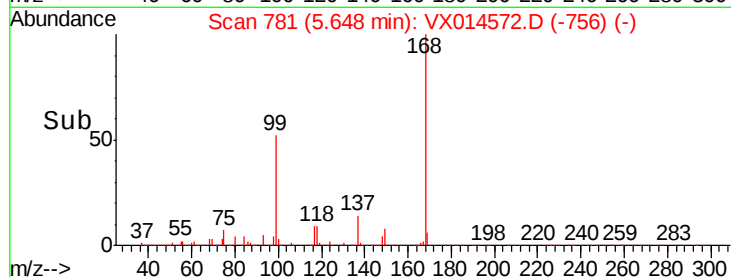
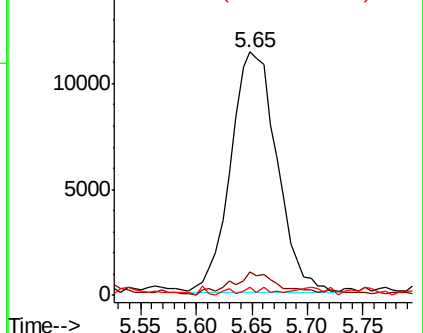
77 0.3 24.5 36.7#



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: 6.590 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014572.D

Acq: 11 Jan 2020 05:55

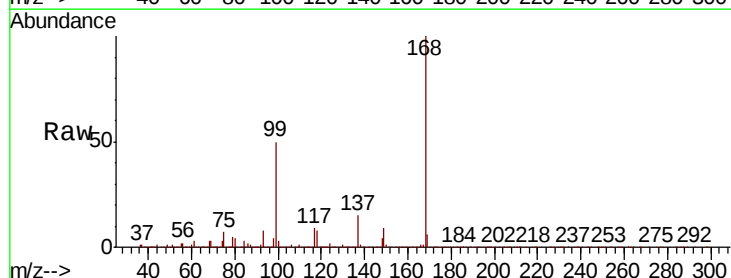
Tgt Ion:117 Resp: 42086

Ion Ratio Lower Upper

117 100

119 3.7 73.8 110.8#

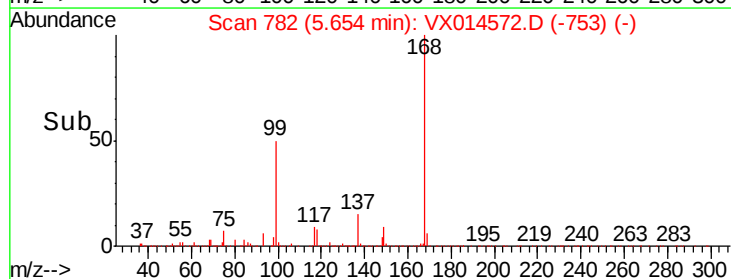
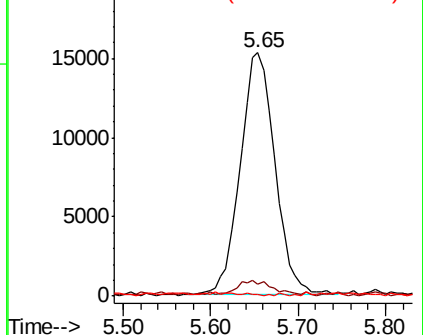
121 0.0 23.4 35.0#

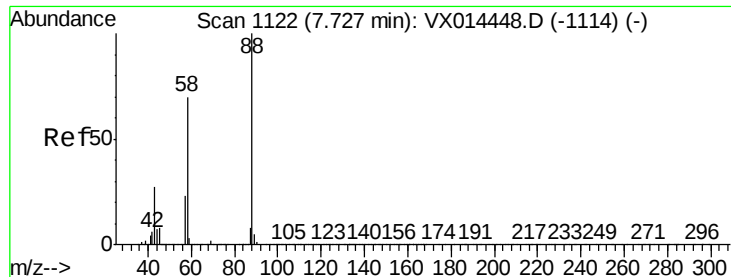


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

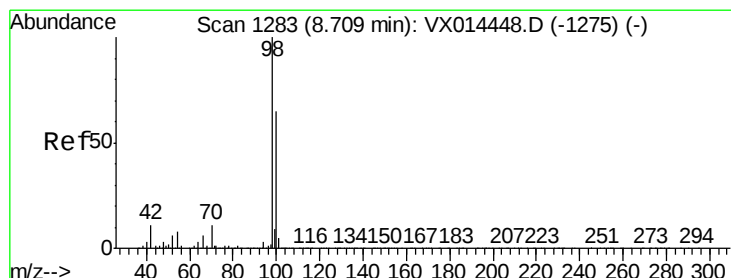
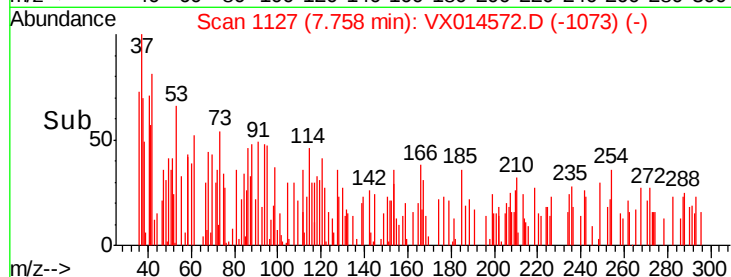
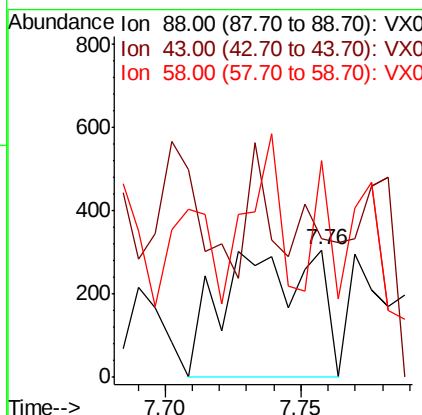
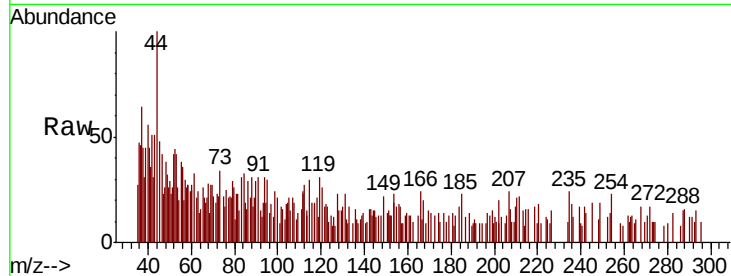




#49
1,4-Dioxane
Concen: 5.761 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. 0.03 min
Lab File: VX014572.D
Acq: 11 Jan 2020 05:55

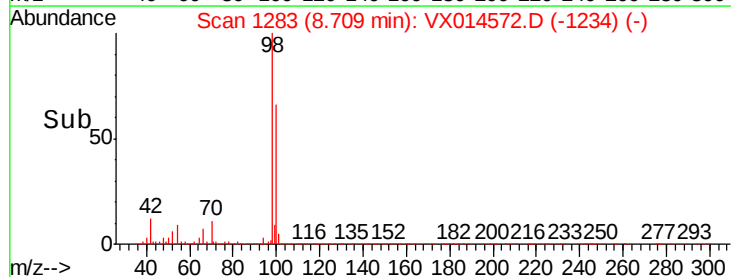
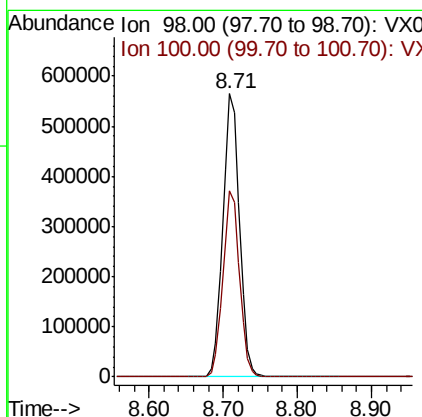
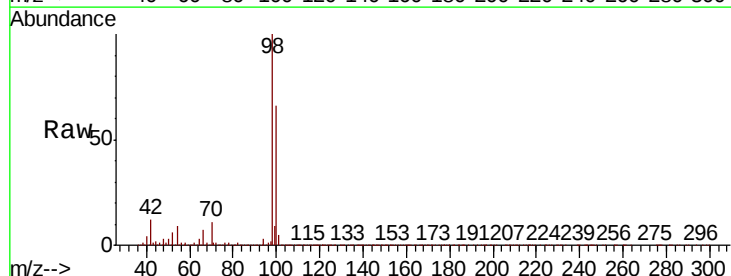
Instrument :
MSVOA_X
ClientSampled :
TP-2

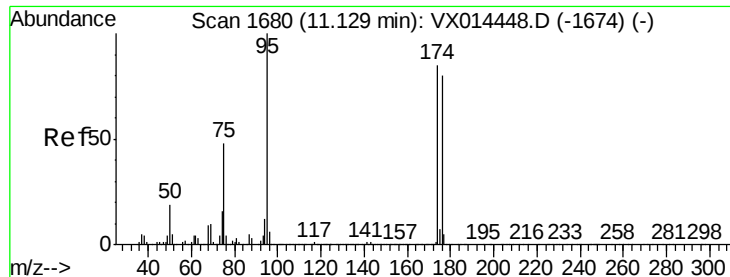
Tot Ion: 88 Resp: 712
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 17.3 57.1 85.7#



#50
Toluene-d8
Concen: 50.793 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014572.D
Acq: 11 Jan 2020 05:55

Tgt Ion: 98 Resp: 880553
Ion Ratio Lower Upper
98 100
100 65.5 53.2 79.8

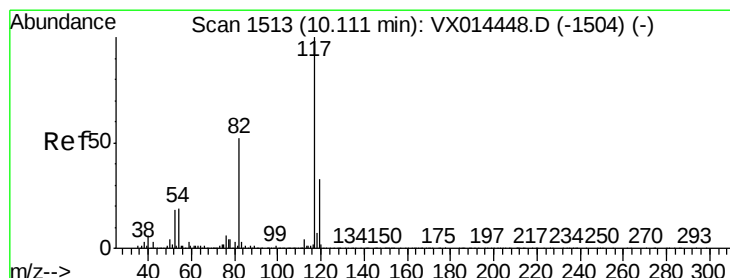
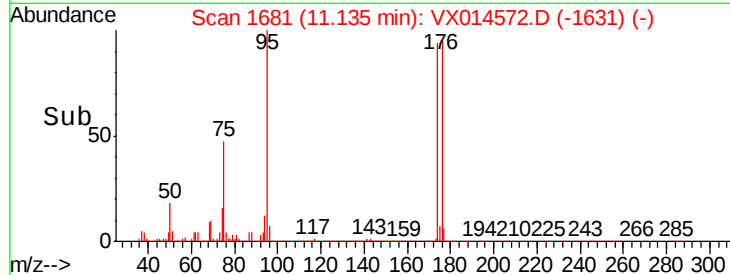
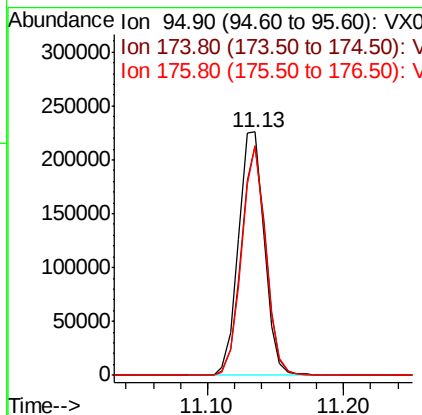
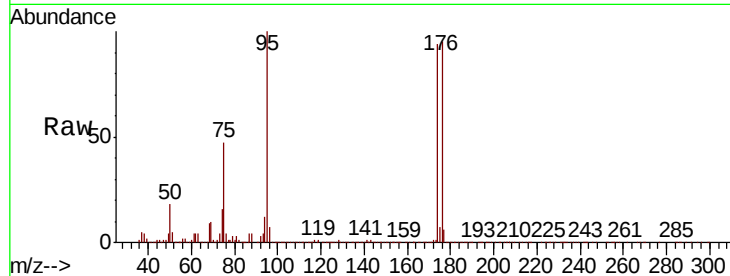




#62
4-Bromofluorobenzene
Concen: 47.105 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014572.D
Acq: 11 Jan 2020 05:55

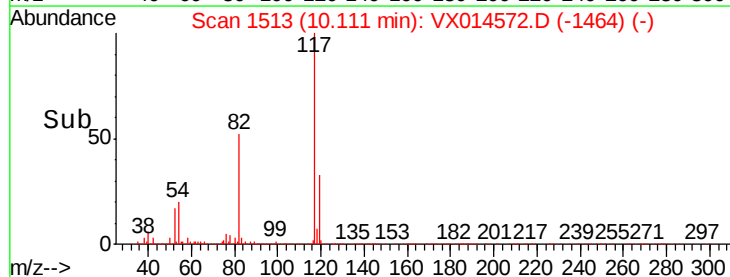
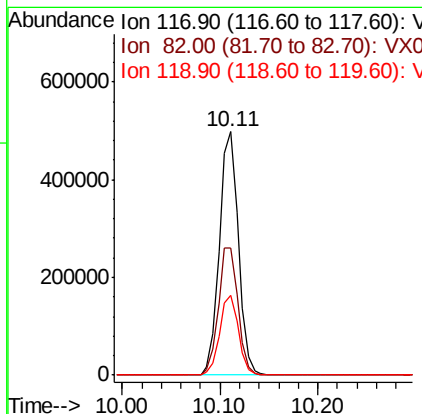
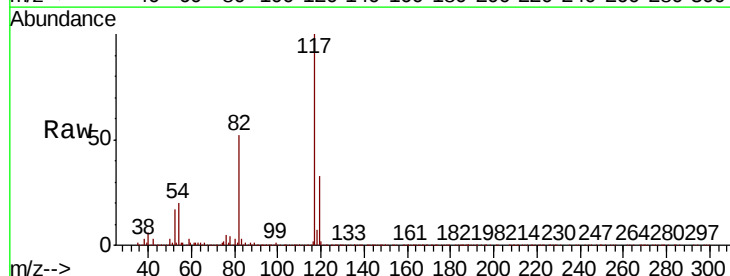
Instrument :
MSVOA_X
ClientSampleId :
TP-2

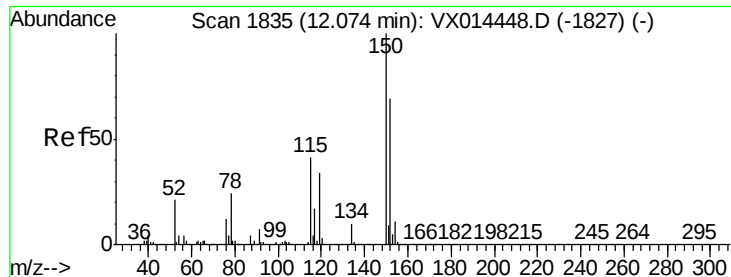
Tot Ion: 95 Resp: 299786
Ion Ratio Lower Upper
95 100
174 89.2 0.0 180.8
176 87.6 0.0 172.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014572.D
Acq: 11 Jan 2020 05:55

Tgt Ion: 117 Resp: 671119
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.6
119 32.7 26.2 39.4



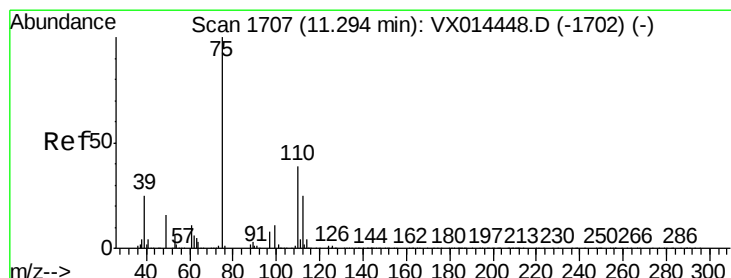
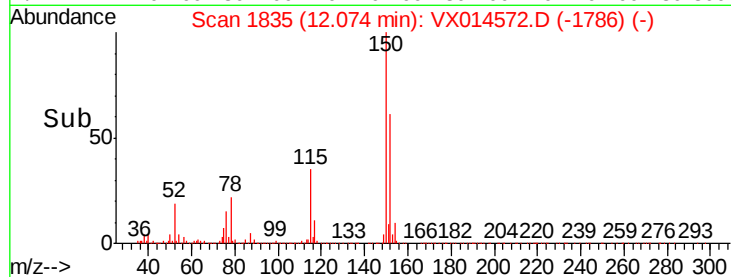
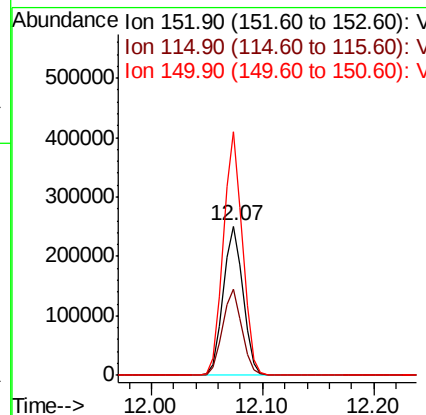
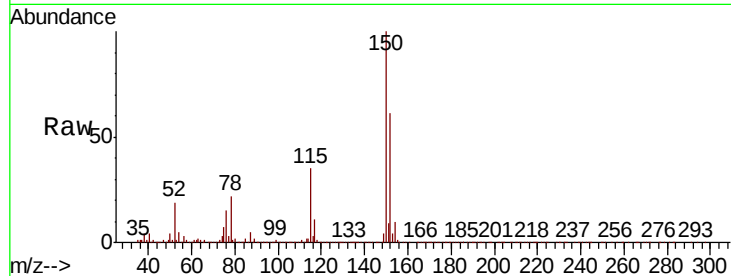


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014572.D
Acq: 11 Jan 2020 05:55

Instrument :
MSVOA_X
ClientSampleId :
TP-2

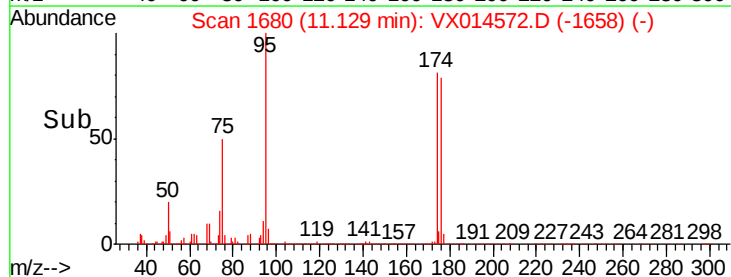
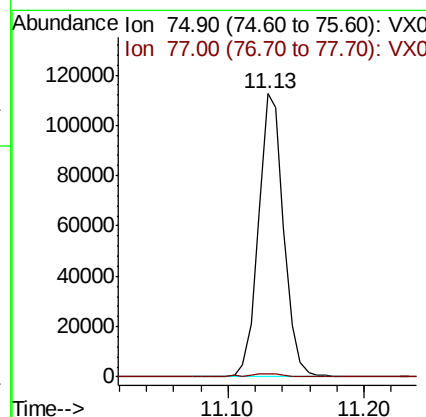
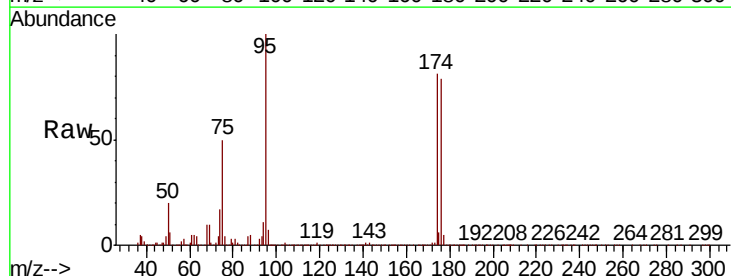
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.2	39.5	118.3
150	157.0	0.0	350.2

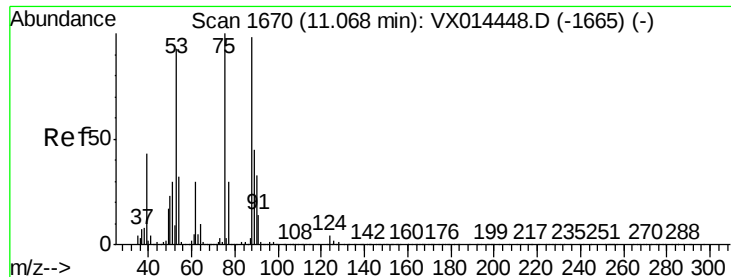


#76

1,2,3-Trichloropropane
Concen: 22.801 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014572.D
Acq: 11 Jan 2020 05:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	21.9	65.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 60.317 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014572.D

Acq: 11 Jan 2020 05:55

Instrument :

MSVOA_X

ClientSampled :

TP-2

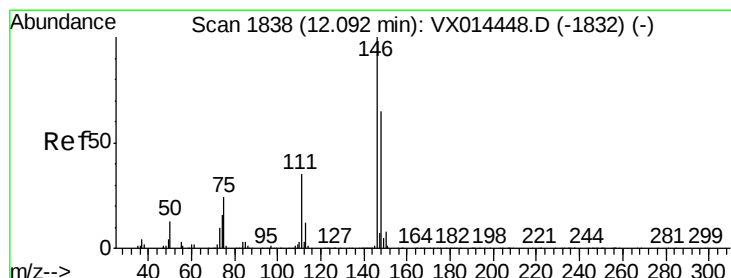
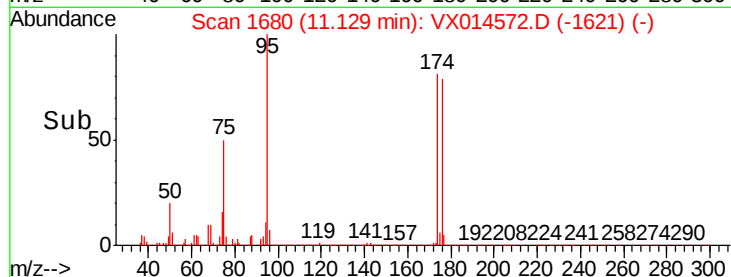
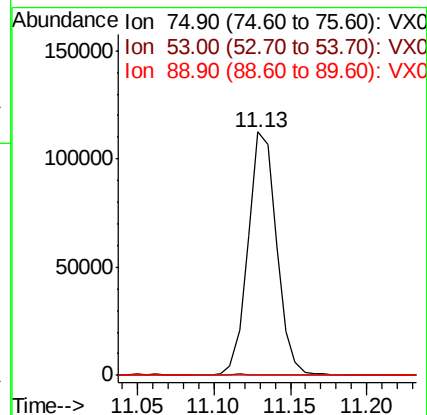
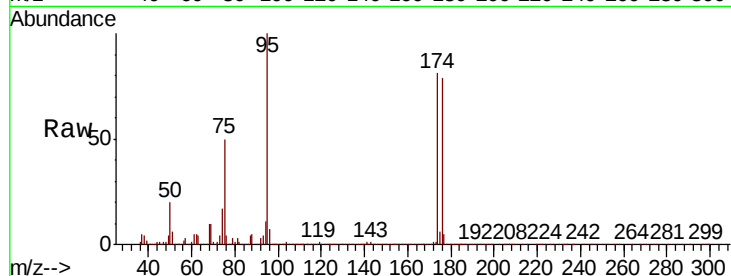
Tot Ion: 75 Resp: 145611

Ion Ratio Lower Upper

75 100

53 0.4 74.8 112.2#

89 0.1 36.3 54.5#



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.04 min Scan# 1830

Delta R.T. -0.05 min

Lab File: VX014572.D

Acq: 11 Jan 2020 05:55

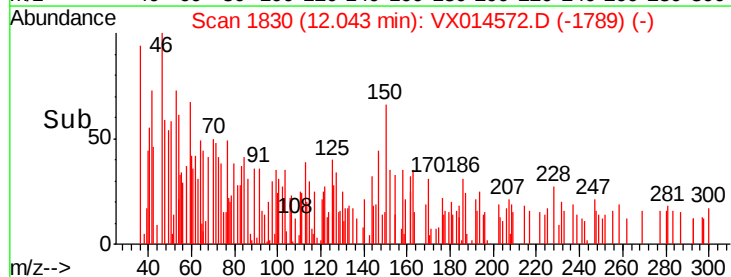
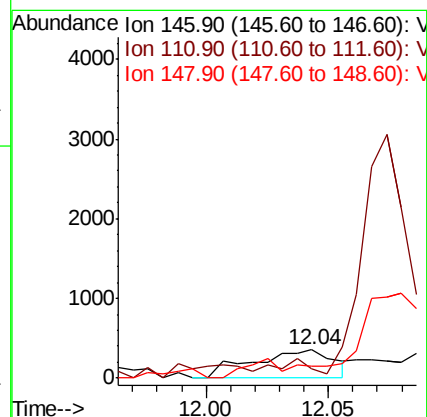
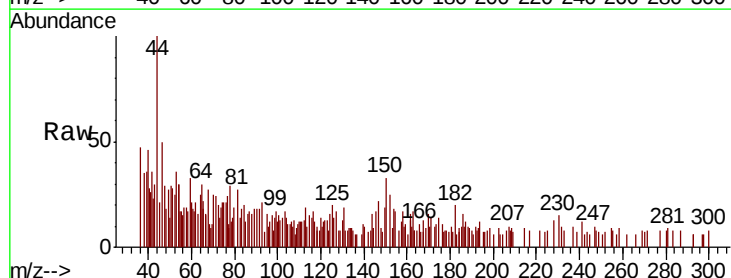
Tgt Ion: 146 Resp: 807

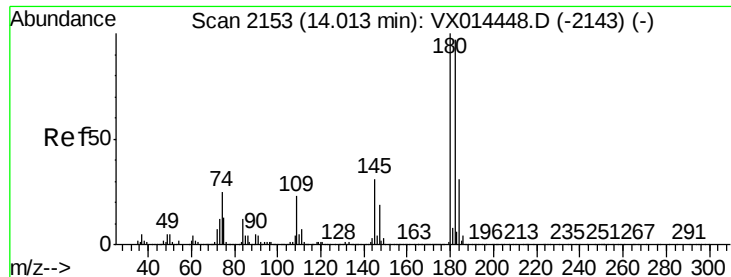
Ion Ratio Lower Upper

146 100

111 21.9 18.1 54.1

148 42.4 32.1 96.3





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.00 min Scan# 2151
 Delta R.T. -0.01 min
 Lab File: VX014572.D
 Acq: 11 Jan 2020 05:55

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Tot Ion	Ratio	Lower	Upper
180	100		
182	40.7	47.9	143.6#
145	139.2	14.8	44.3#

