

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011020\
 Data File : VX014569.D
 Acq On : 11 Jan 2020 04:45
 Operator : JC/SP
 Sample : PB125993ZHE#15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993ZHE#15

Quant Time: Jan 11 05:23:40 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	497411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	768666	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	714358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	326196	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	277011	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
35) Dibromofluoromethane	5.49	113	228074	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
50) Toluene-d8	8.71	98	935070	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	11.13	95	320908	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	

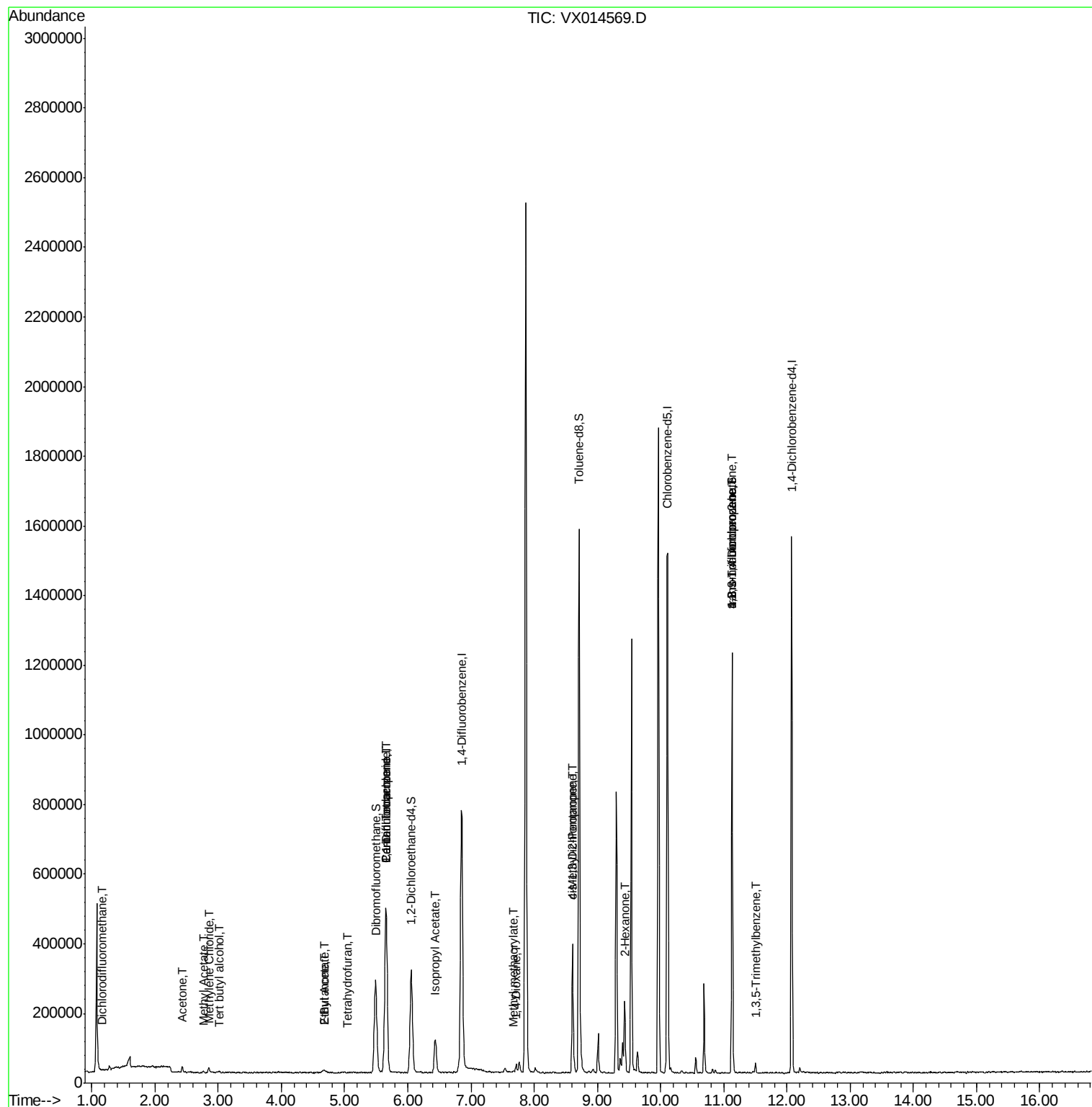
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.17	85	224	0.289	ug/l #	42
6) Chloroethane	1.73	64	772	Below Cal	#	48
11) Tert butyl alcohol	3.01	59	2927	2.525	ug/l #	88
16) Acetone	2.43	43	17131	2.008	ug/l	100
18) Methyl Acetate	2.76	43	5741	0.719	ug/l #	88
20) Methylene Chloride	2.85	84	7652	1.370	ug/l #	91
25) 2-Butanone	4.68	43	3571	0.861	ug/l #	86
29) Tetrahydrofuran	5.04	42	831	0.339	ug/l	88
36) 1,1-Dichloropropene	5.65	75	32781	4.535	ug/l #	52
37) Ethyl Acetate	4.68	43	3394	0.432	ug/l	94
38) Carbon Tetrachloride	5.65	117	43524	6.543	ug/l #	18
43) Isopropyl Acetate	6.43	43	135362	10.672	ug/l	98
48) Methyl methacrylate	7.67	41	6890	1.134	ug/l #	18
49) 1,4-Dioxane	7.72	88	637	4.949	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	131042	16.954	ug/l #	44
54) cis-1,3-Dichloropropene	8.61	75	58595	6.707	ug/l #	59
59) 2-Hexanone	9.43	43	163706	26.768	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	156573	23.199	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.50	105	13458	0.708	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.13	75	156573	61.334	ug/l #	12
88) 1,4-Dichlorobenzene	12.10	146	389	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	13.57	180	114	Below Cal		76
96) 1,2,3-Trichlorobenzene	14.07	180	380	Below Cal		74

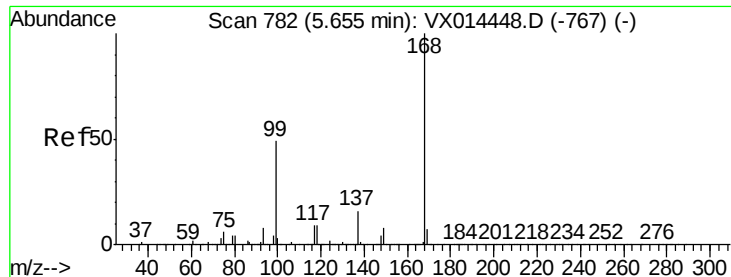
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011020\
Data File : VX014569.D
Acq On : 11 Jan 2020 04:45
Operator : JC/SP
Sample : PB125993ZHE#15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#15

Quant Time: Jan 11 05:23:40 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



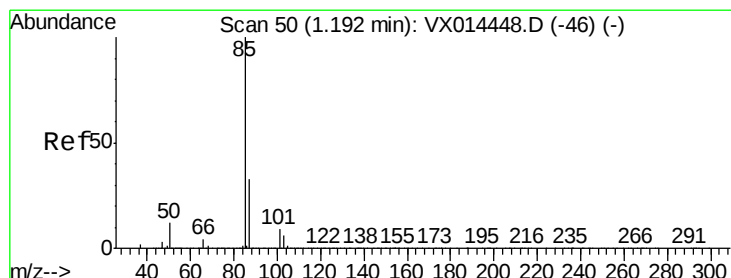
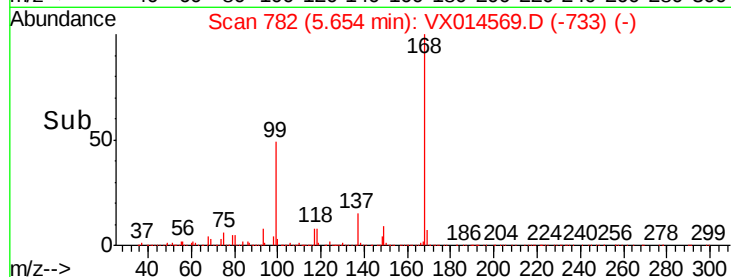
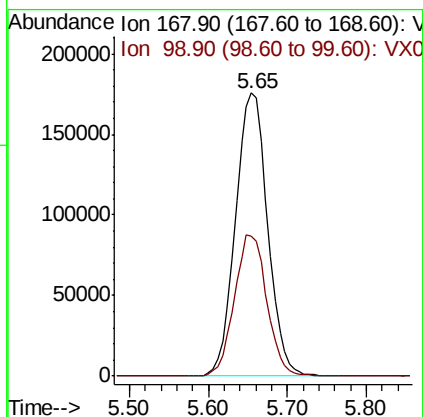
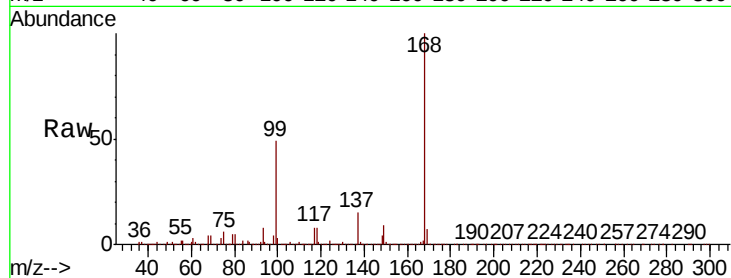


#1

Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.00 min
Lab File: VX014569.D
Acq: 11 Jan 2020 04:45

Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#15

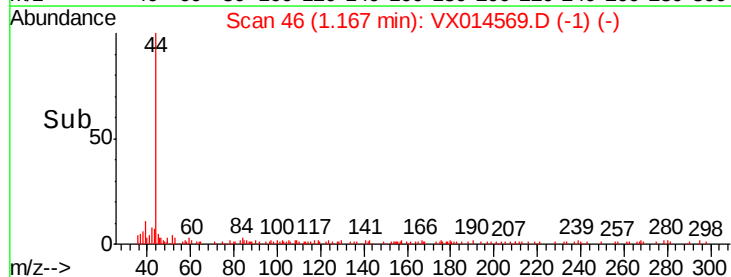
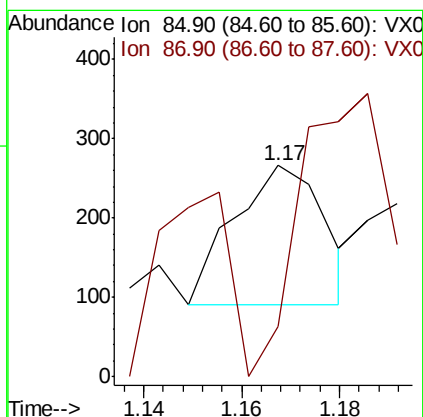
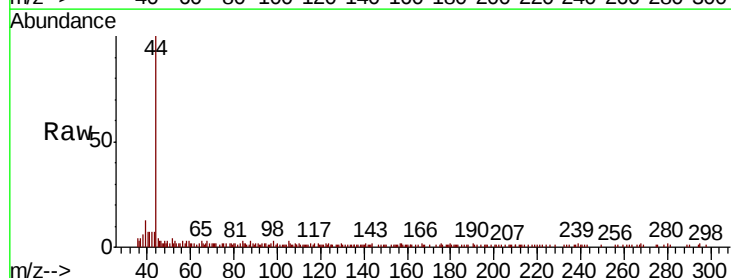
Tot Ion:168 Resp: 497411
Ion Ratio Lower Upper
168 100
99 49.4 39.2 58.8

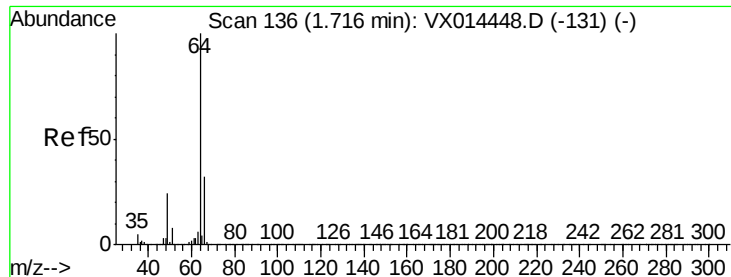


#2

Dichlorodifluoromethane
Concen: 0.289 ug/l
RT: 1.17 min Scan# 46
Delta R.T. -0.02 min
Lab File: VX014569.D
Acq: 11 Jan 2020 04:45

Tgt Ion: 85 Resp: 224
Ion Ratio Lower Upper
85 100
87 0.0 16.5 49.5#





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 138

Delta R.T. 0.01 min

Lab File: VX014569.D

Acq: 11 Jan 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

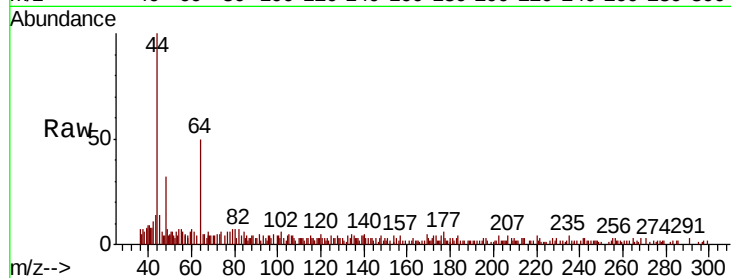
PB125993ZHE#15

Tot Ion: 64 Resp: 772

Ion Ratio Lower Upper

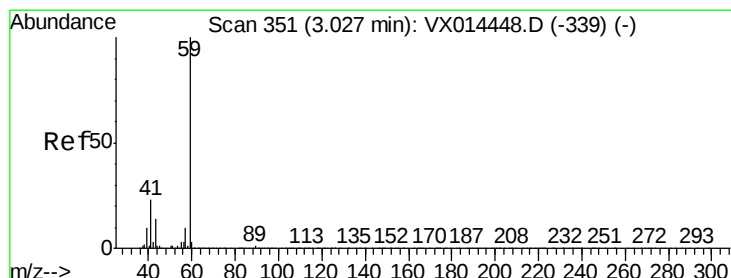
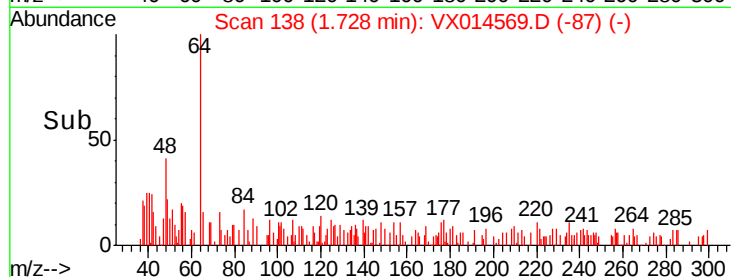
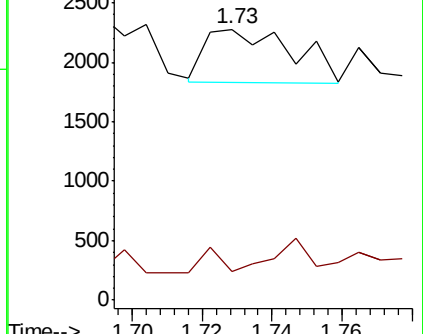
64 100

66 2.7 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: 2.525 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX014569.D

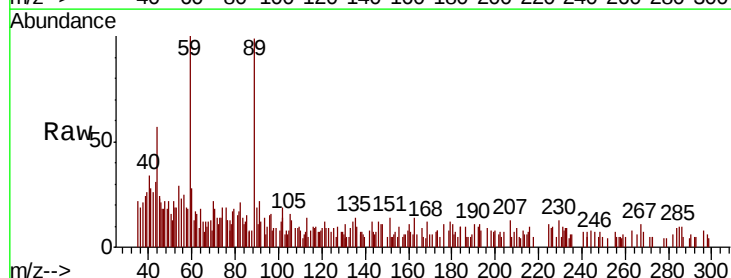
Acq: 11 Jan 2020 04:45

Tgt Ion: 59 Resp: 2927

Ion Ratio Lower Upper

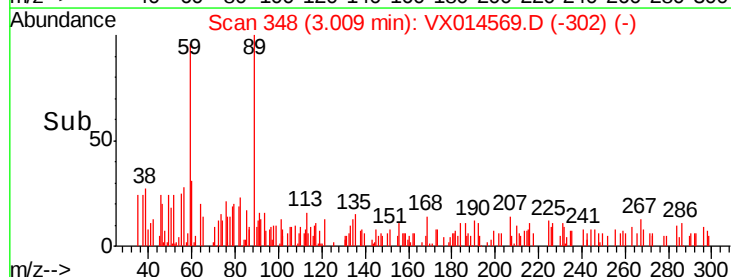
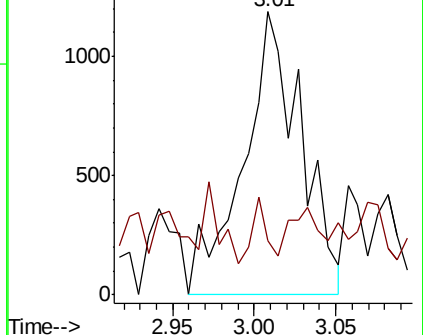
59 100

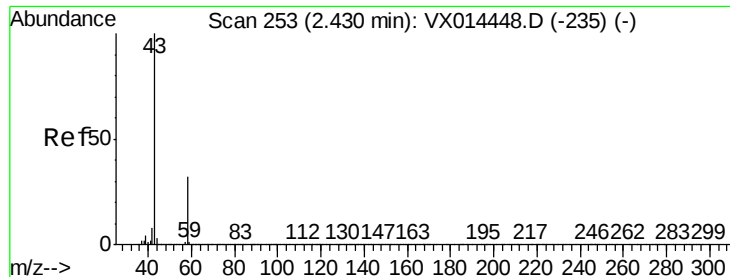
57 5.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.008 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014569.D

Acq: 11 Jan 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

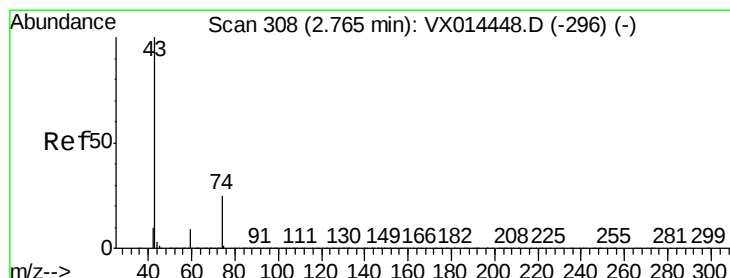
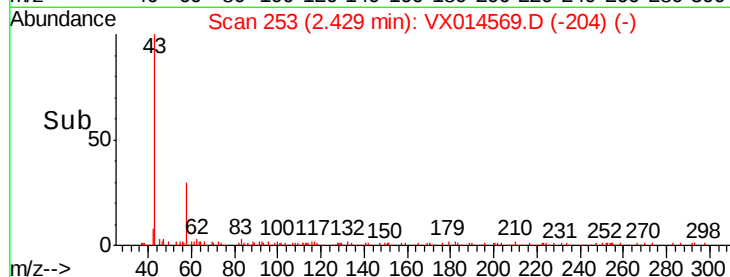
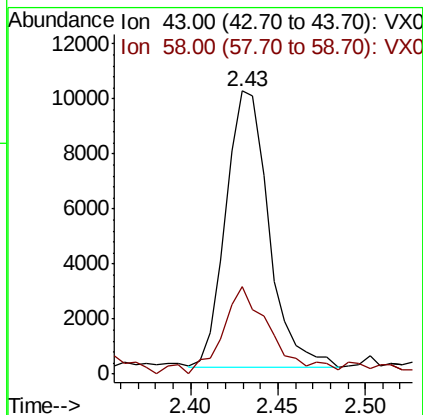
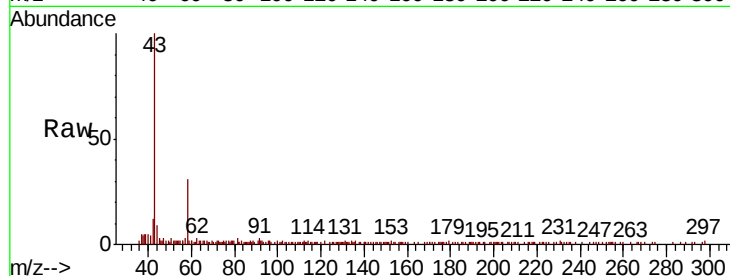
PB125993ZHE#15

Tot Ion: 43 Resp: 17131

Ion Ratio Lower Upper

43 100

58 31.6 25.4 38.0



#18

Methyl Acetate

Concen: 0.719 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX014569.D

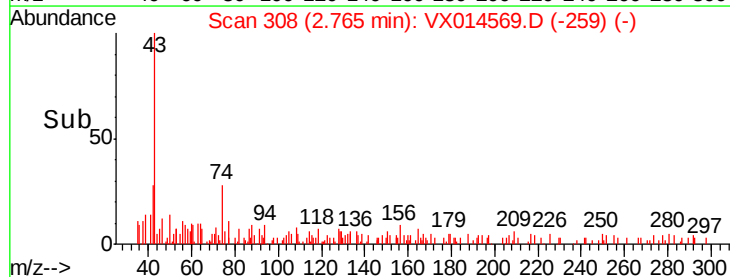
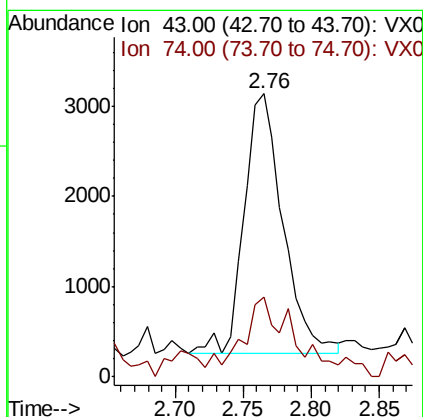
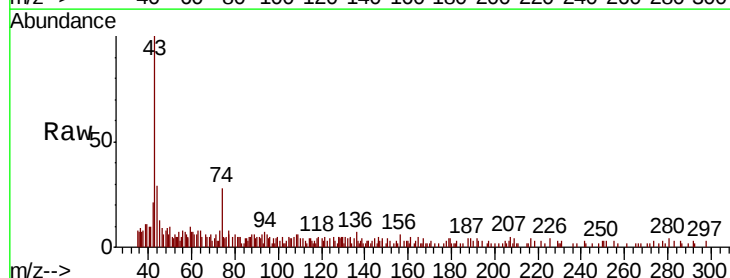
Acq: 11 Jan 2020 04:45

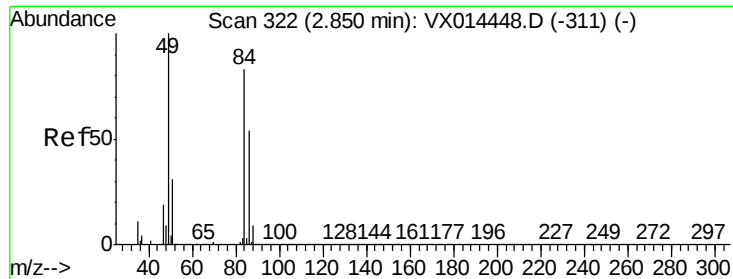
Tgt Ion: 43 Resp: 5741

Ion Ratio Lower Upper

43 100

74 30.0 19.4 29.2#

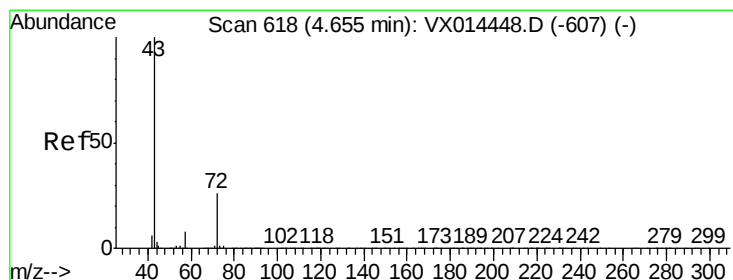
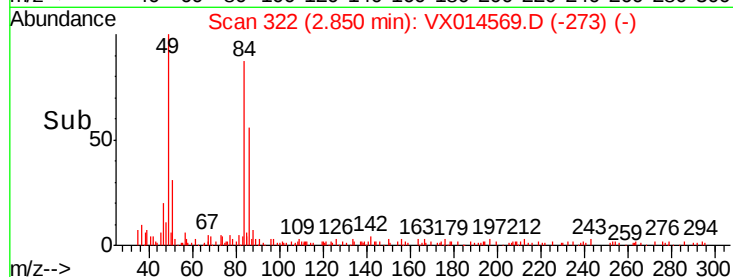
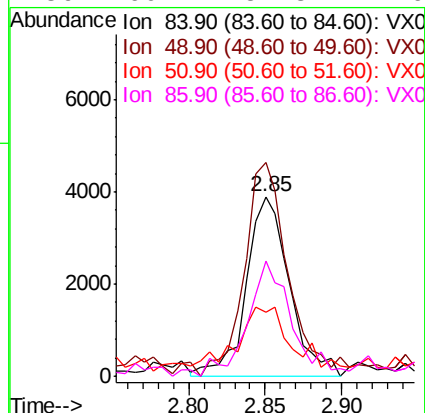
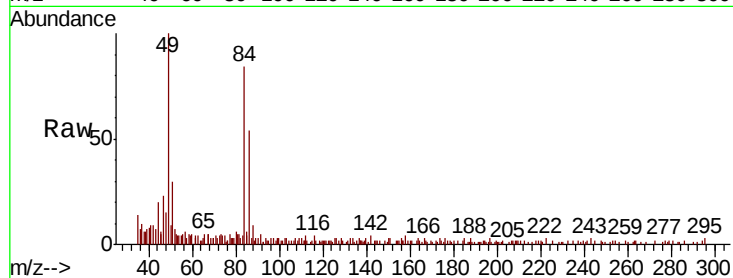




#20
Methvlene Chloride
Concen: 1.370 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014569.D
Acq: 11 Jan 2020 04:45

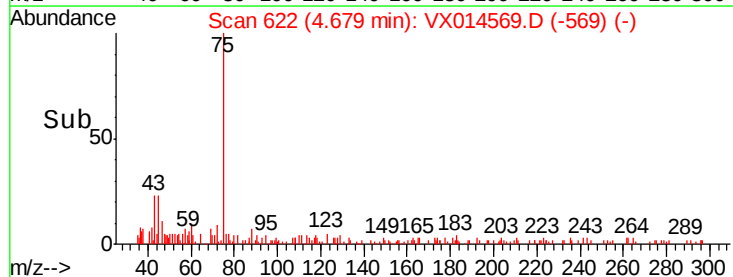
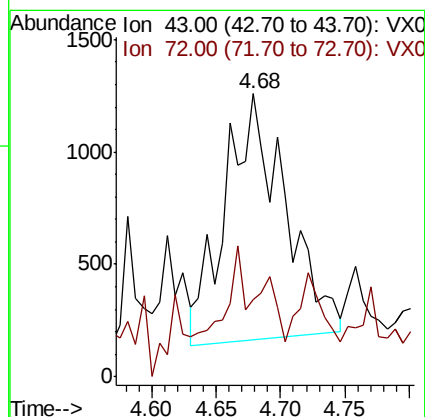
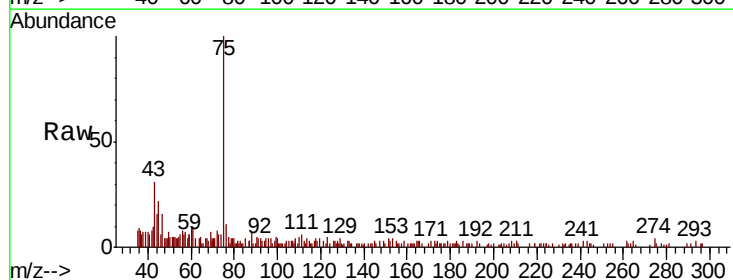
Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#15

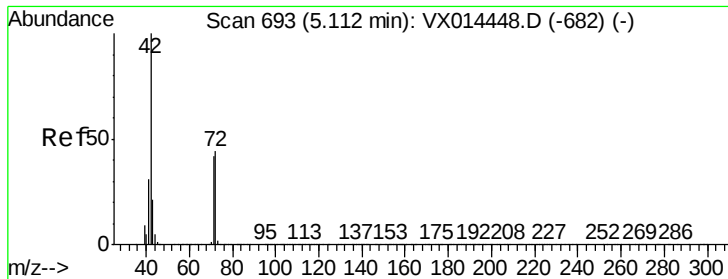
Tot Ion: 84 Resp: 7652
Ion Ratio Lower Upper
84 100
49 108.6 95.8 143.8
51 29.5 30.2 45.4#
86 60.7 51.8 77.6



#25
2-Butanone
Concen: 0.861 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014569.D
Acq: 11 Jan 2020 04:45

Tgt Ion: 43 Resp: 3571
Ion Ratio Lower Upper
43 100
72 18.9 20.6 31.0#





#29

Tetrahydrofuran

Concen: 0.339 ug/l

RT: 5.04 min Scan# 681

Delta R.T. -0.07 min

Lab File: VX014569.D

Acq: 11 Jan 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

PB125993ZHE#15

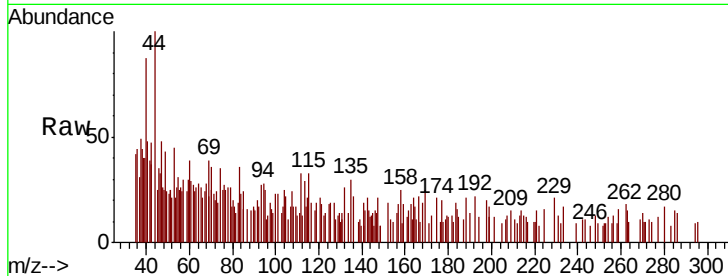
Tot Ion: 42 Resp: 831

Ion Ratio Lower Upper

42 100

72 52.8 36.2 54.4

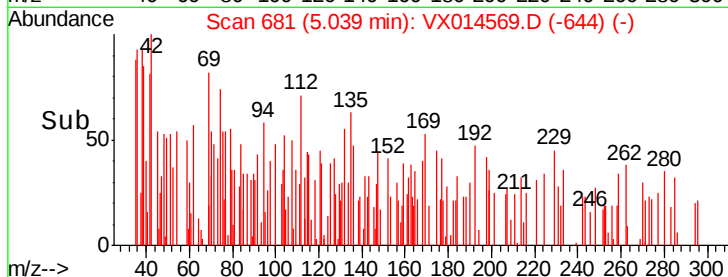
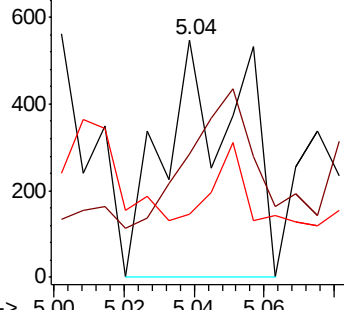
71 34.5 34.1 51.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.887 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014569.D

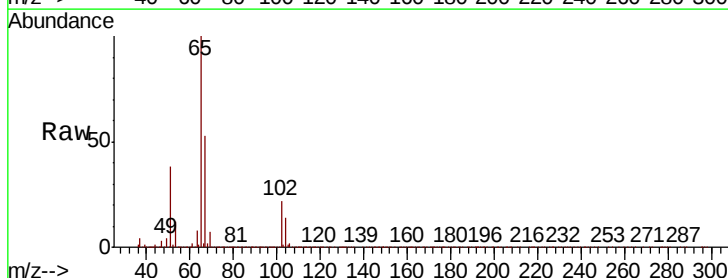
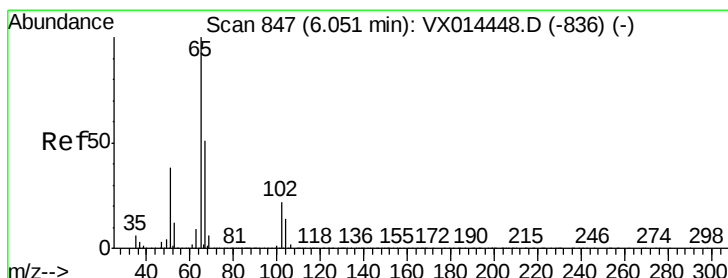
Acq: 11 Jan 2020 04:45

Tgt Ion: 65 Resp: 277011

Ion Ratio Lower Upper

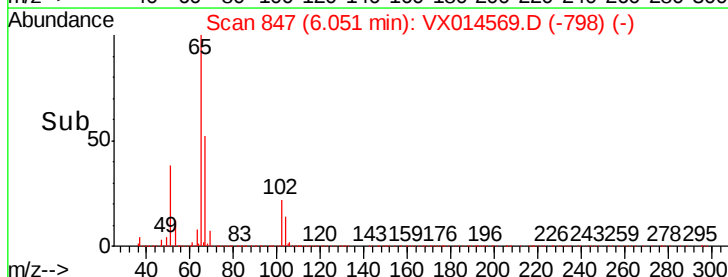
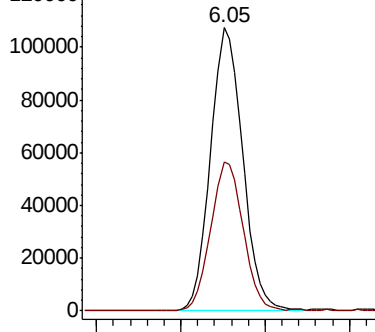
65 100

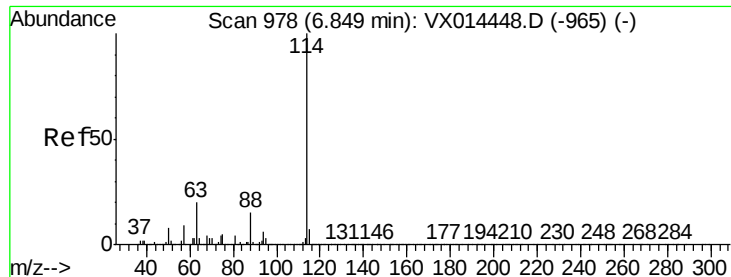
67 53.3 0.0 106.2



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: VX014569.D

Acq: 11 Jan 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

PB125993ZHE#15

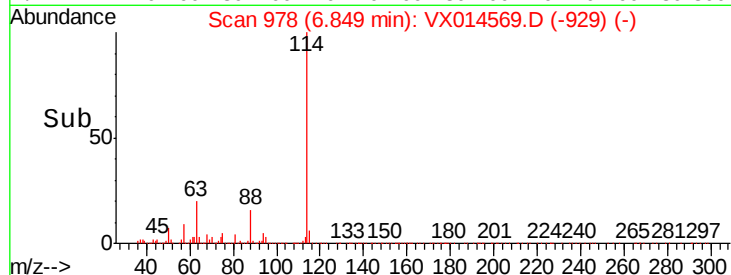
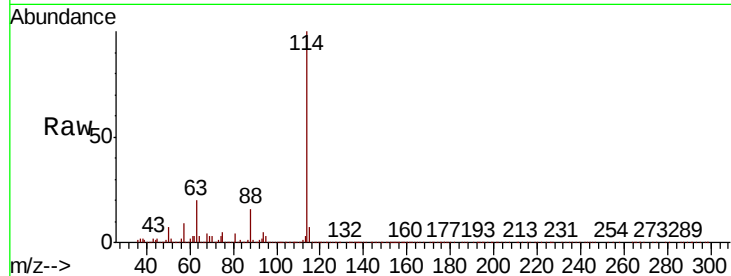
Tot Ion:114 Resp: 768666

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

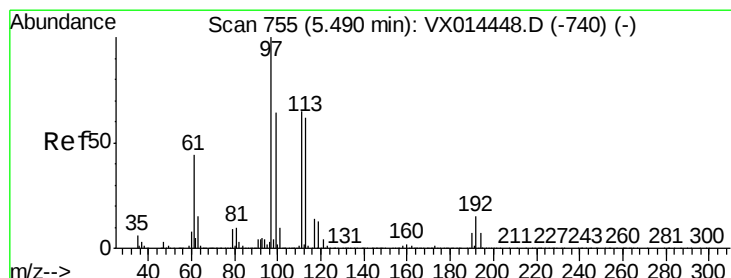
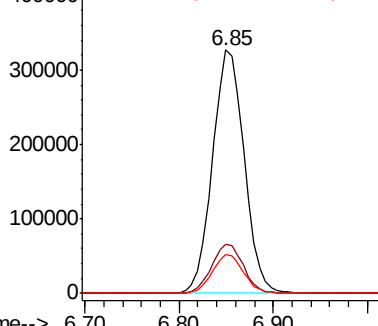
88 15.8 0.0 30.8



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: 49.016 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014569.D

Acq: 11 Jan 2020 04:45

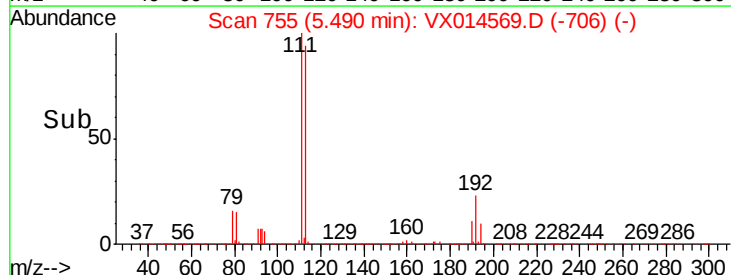
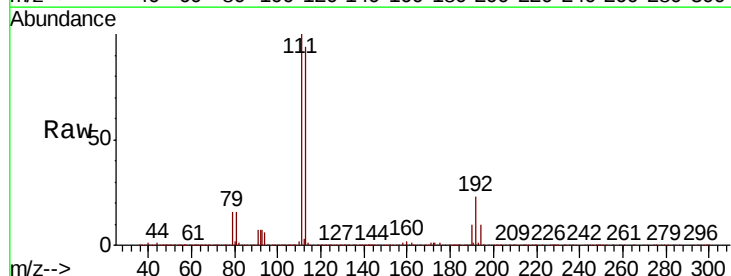
Tgt Ion:113 Resp: 228074

Ion Ratio Lower Upper

113 100

111 104.8 81.5 122.3

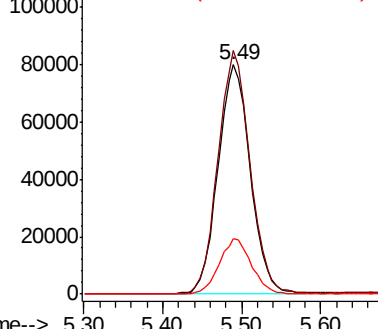
192 23.9 19.2 28.8

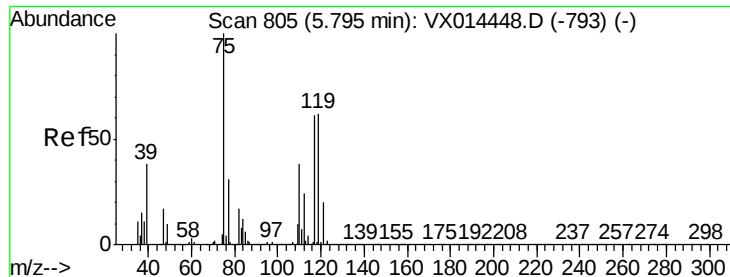


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

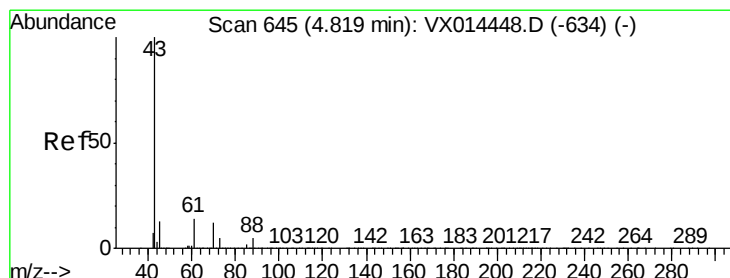
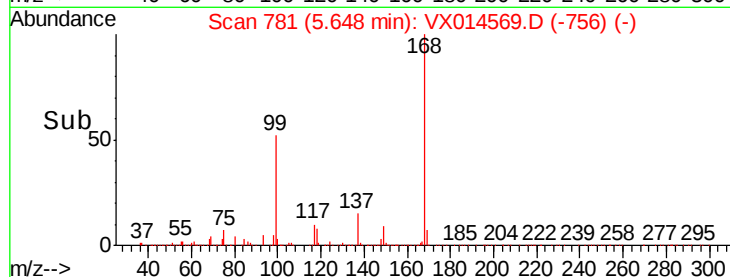
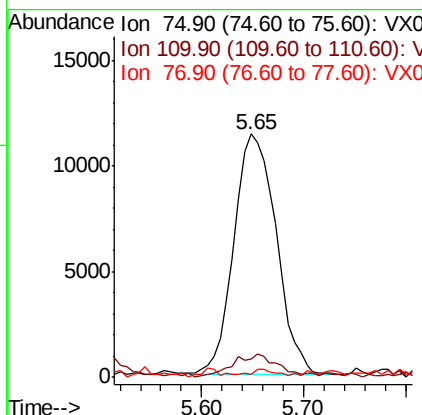
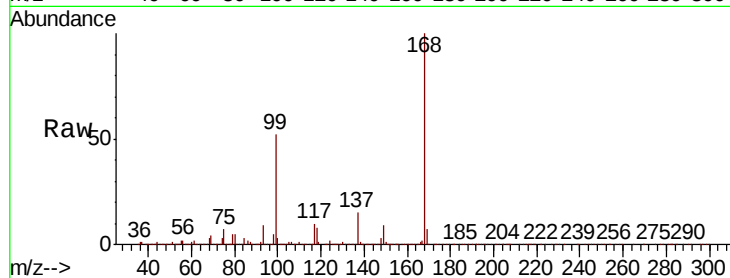




#36
 1,1-Dichloropropene
 Concen: 4.535 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014569.D
 Acq: 11 Jan 2020 04:45

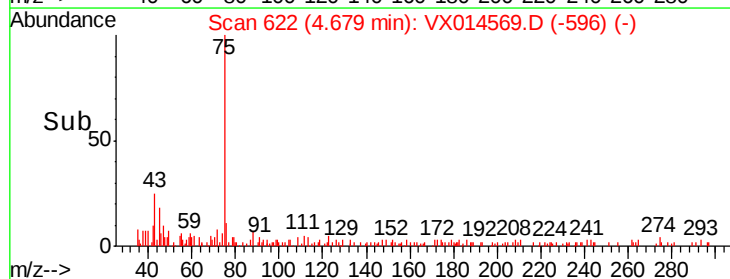
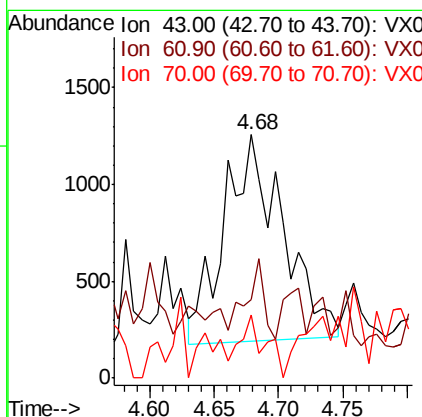
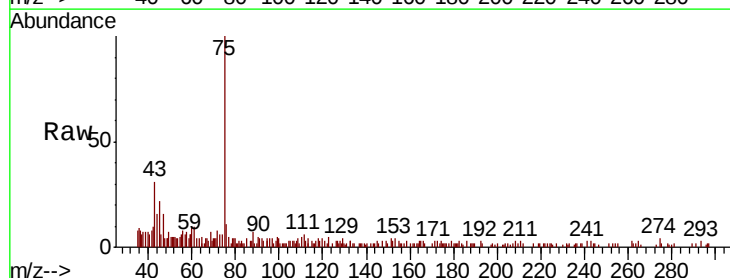
Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993ZHE#15

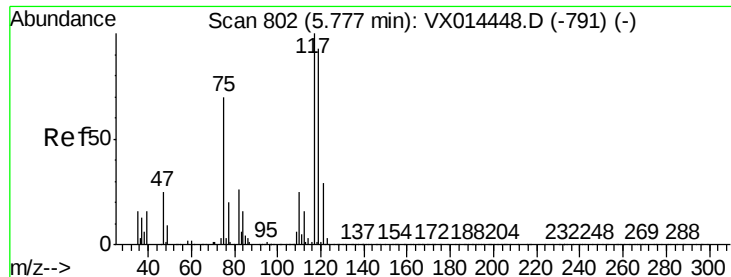
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.6	55.8#
77	1.5	24.5	36.7#



#37
 Ethyl Acetate
 Concen: 0.432 ug/l
 RT: 4.68 min Scan# 622
 Delta R.T. -0.14 min
 Lab File: VX014569.D
 Acq: 11 Jan 2020 04:45

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.5	11.1	16.7
70	13.1	8.9	13.3





#38

Carbon Tetrachloride

Concen: 6.543 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014569.D

Acq: 11 Jan 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

PB125993ZHE#15

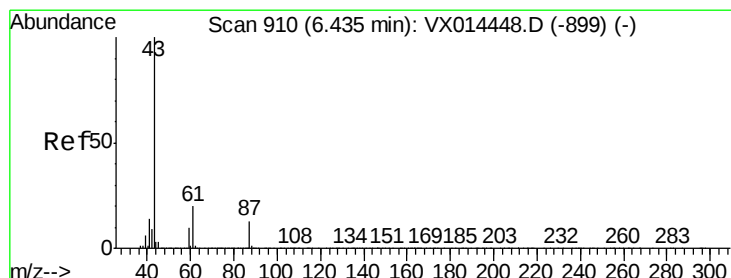
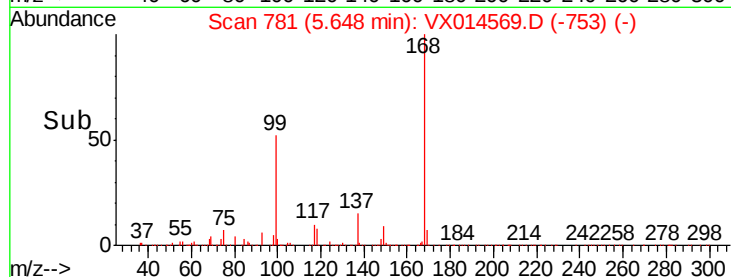
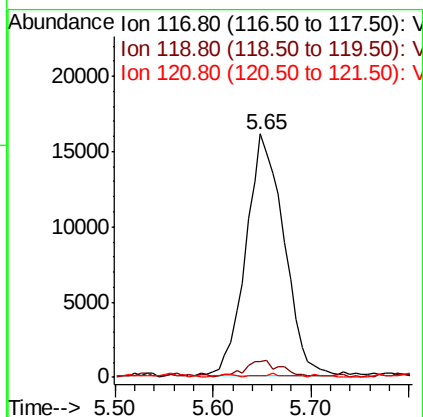
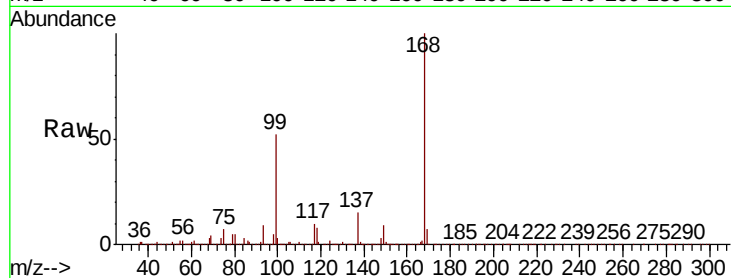
Tot Ion:117 Resp: 43524

Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

121 0.6 23.4 35.0#



#43

Isopropyl Acetate

Concen: 10.672 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX014569.D

Acq: 11 Jan 2020 04:45

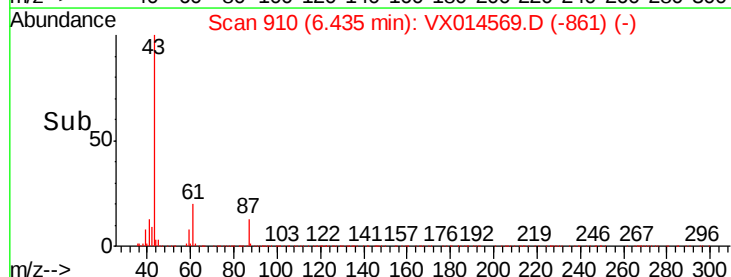
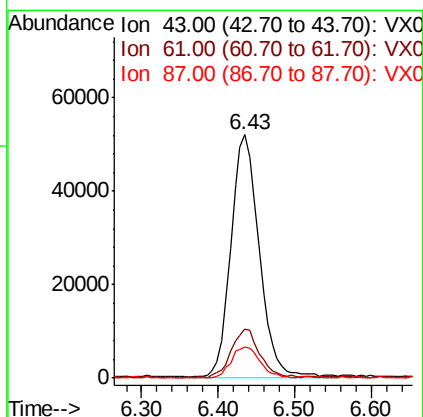
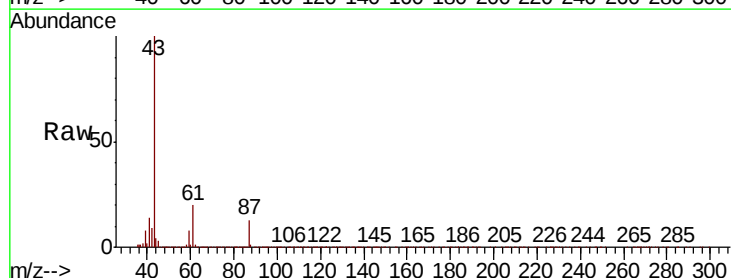
Tgt Ion: 43 Resp: 135362

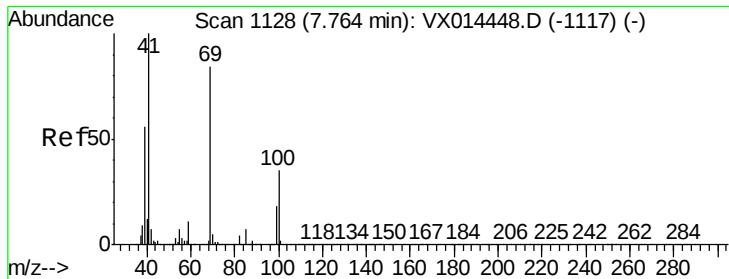
Ion Ratio Lower Upper

43 100

61 19.7 16.6 24.8

87 12.8 10.8 16.2

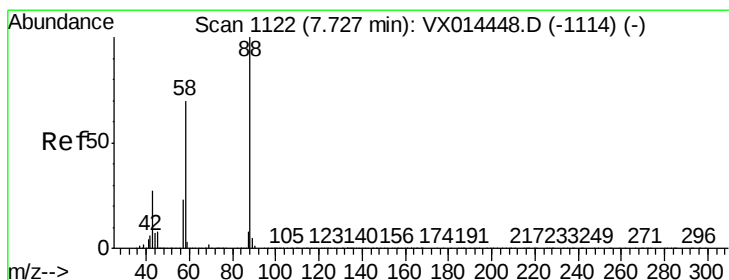
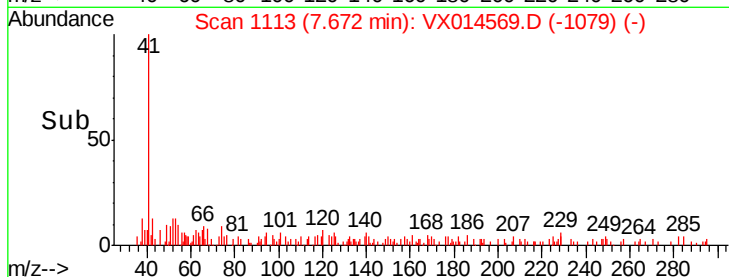
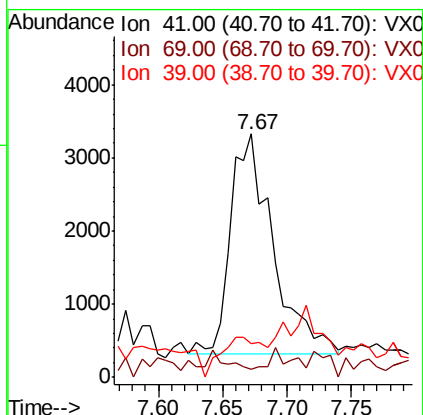
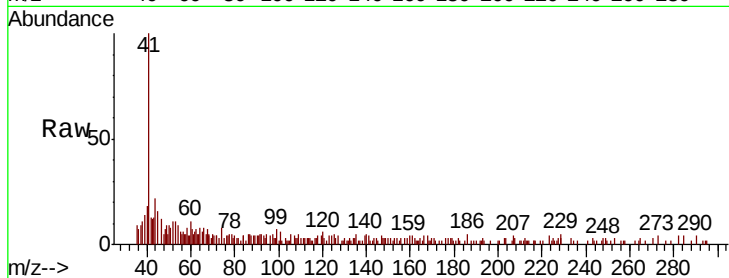




#48
Methvl methacrylate
Concen: 1.134 ug/l
RT: 7.67 min Scan# 1113
Delta R.T. -0.09 min
Lab File: VX014569.D
Acq: 11 Jan 2020 04:45

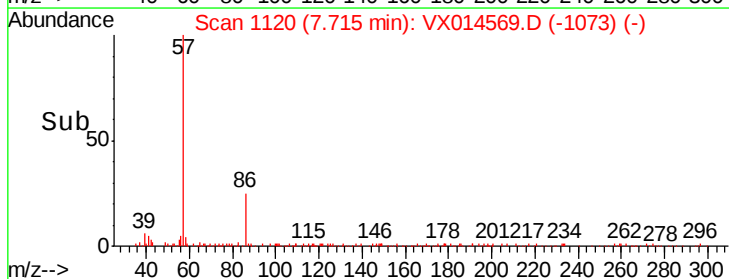
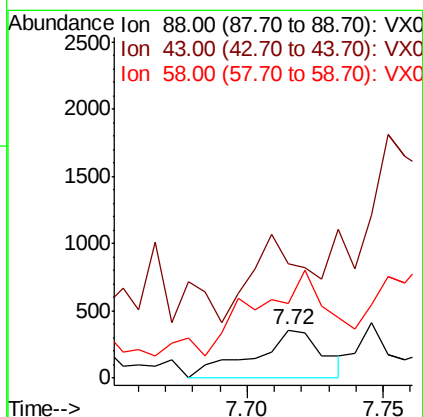
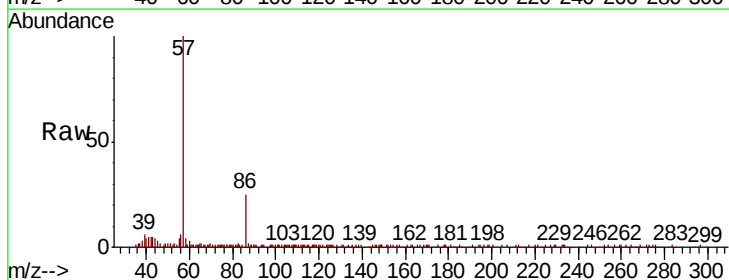
Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#15

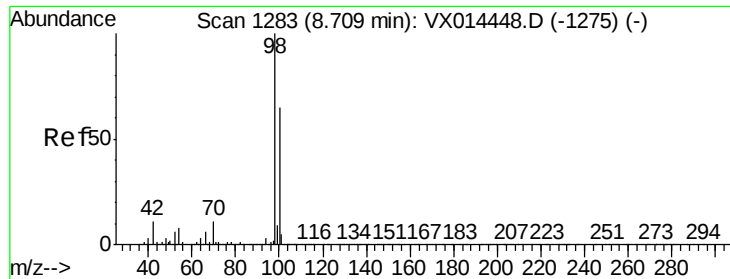
Tot Ion: 41 Resp: 6890
Ion Ratio Lower Upper
41 100
69 4.6 65.5 98.3#
39 0.0 43.9 65.9#



#49
1,4-Dioxane
Concen: 4.949 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VX014569.D
Acq: 11 Jan 2020 04:45

Tgt Ion: 88 Resp: 637
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 200.9 57.1 85.7#





#50

Toluene-d8

Concen: 51.784 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014569.D

Acq: 11 Jan 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

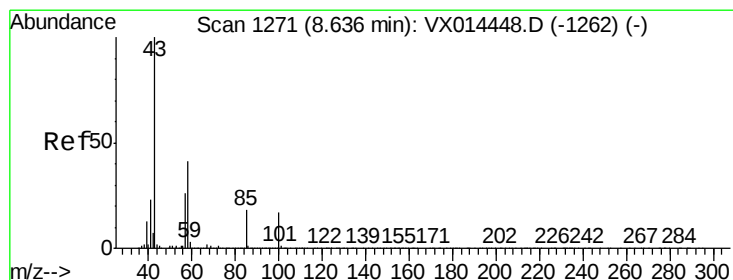
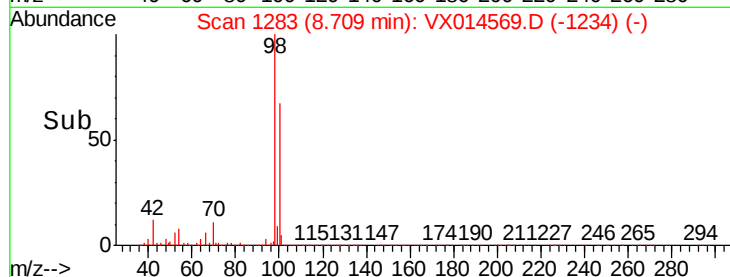
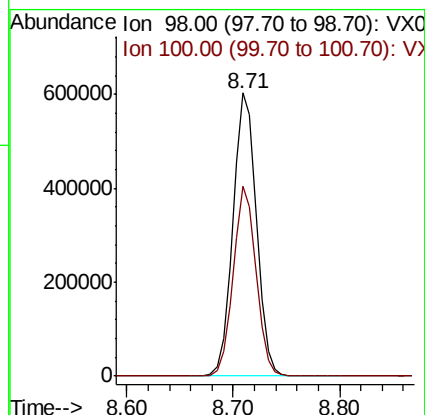
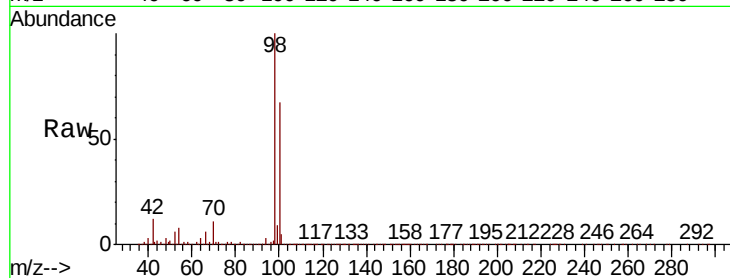
PB125993ZHE#15

Tot Ion: 98 Resp: 935070

Ion Ratio Lower Upper

98 100

100 65.3 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 16.954 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014569.D

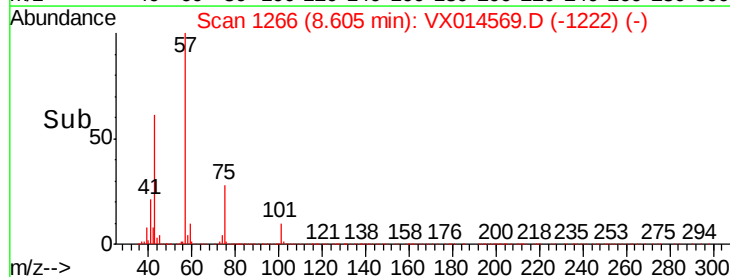
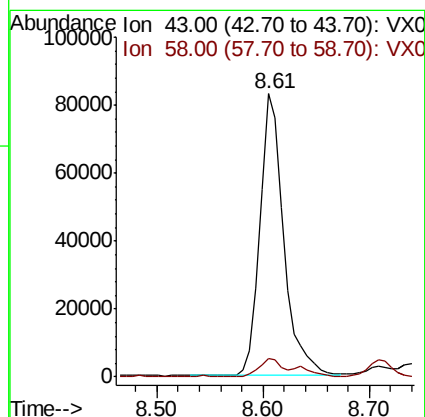
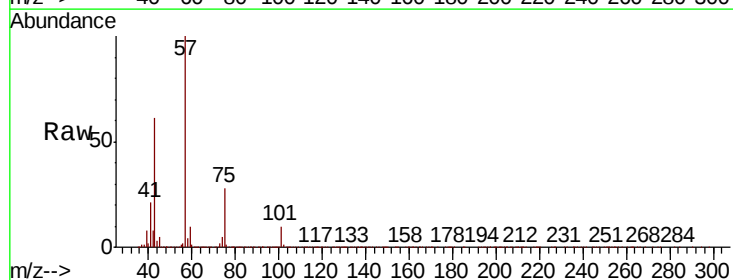
Acq: 11 Jan 2020 04:45

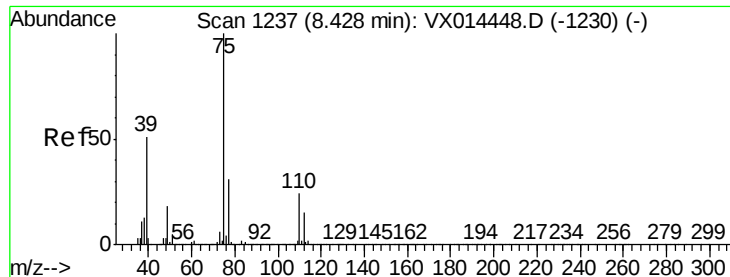
Tgt Ion: 43 Resp: 131042

Ion Ratio Lower Upper

43 100

58 5.9 32.4 48.6#



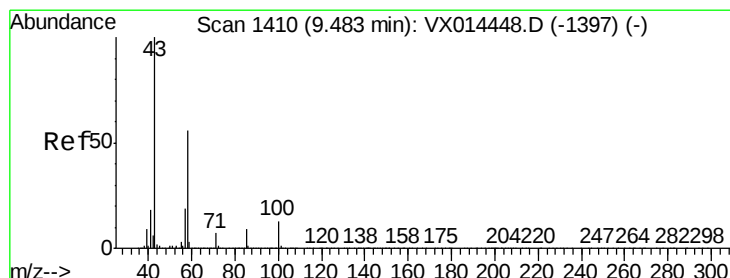
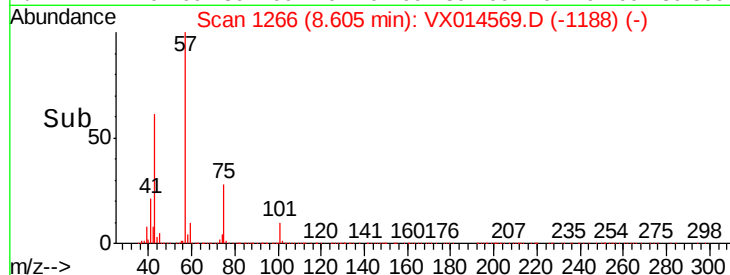
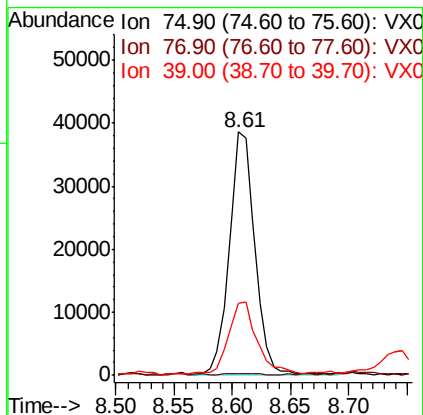
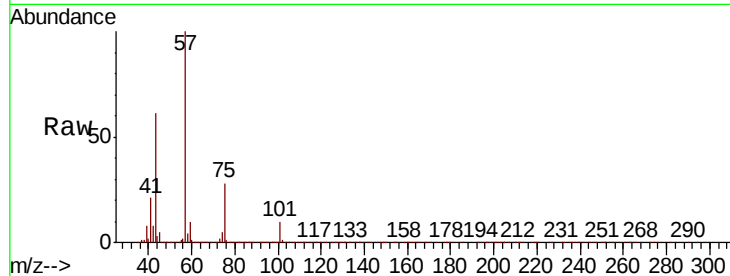


#54

cis-1,3-Dichloropropene
 Concen: 6.707 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. 0.18 min
 Lab File: VX014569.D
 Acq: 11 Jan 2020 04:45

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993ZHE#15

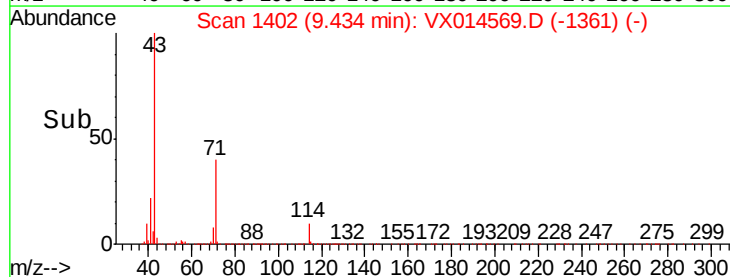
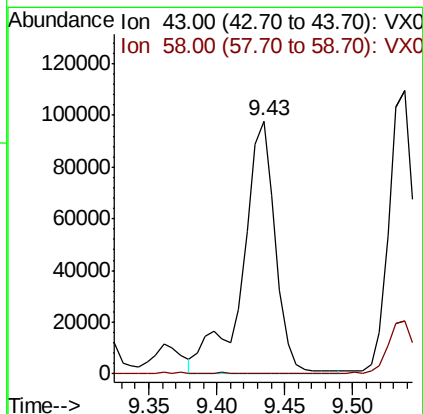
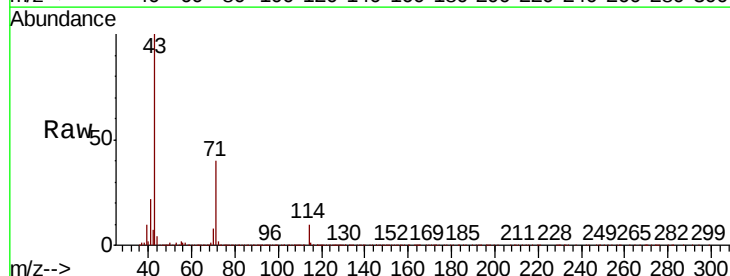
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.4	25.0	37.4#
39	29.3	40.7	61.1#

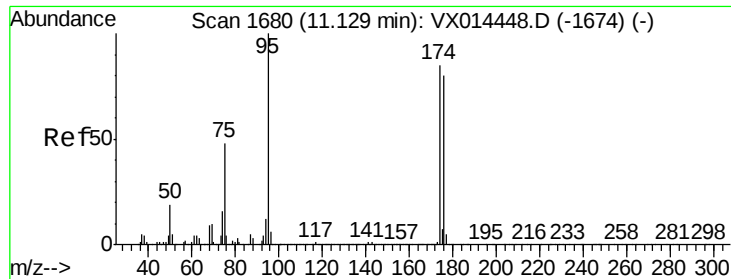


#59

2-Hexanone
 Concen: 26.768 ug/l
 RT: 9.43 min Scan# 1402
 Delta R.T. -0.05 min
 Lab File: VX014569.D
 Acq: 11 Jan 2020 04:45

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

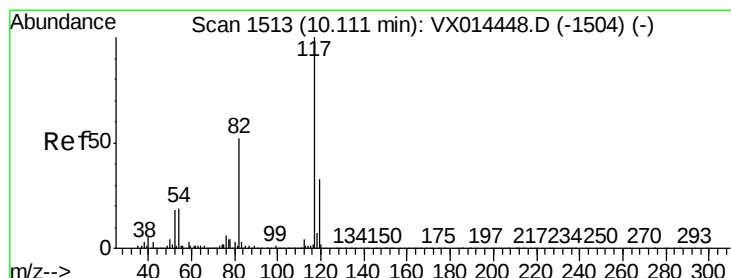
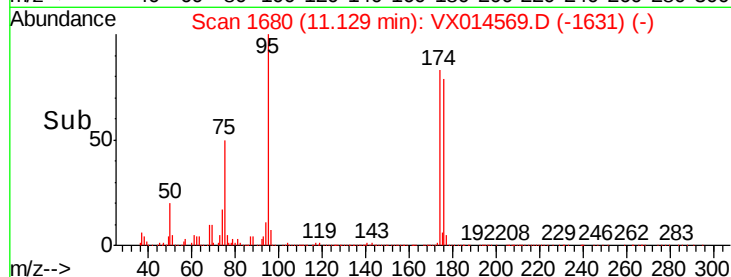
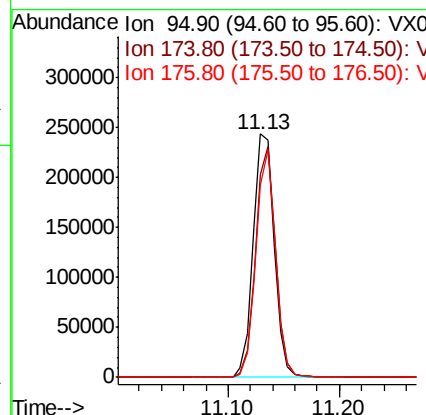
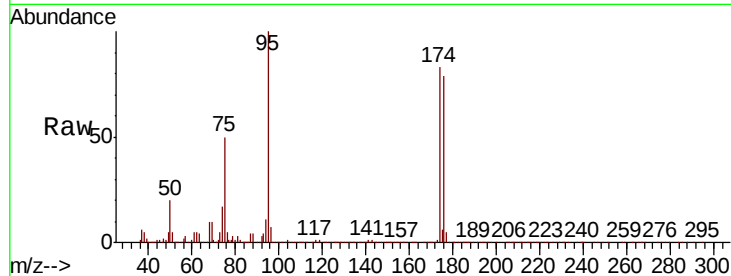




#62
4-Bromofluorobenzene
Concen: 48.410 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014569.D
Acq: 11 Jan 2020 04:45

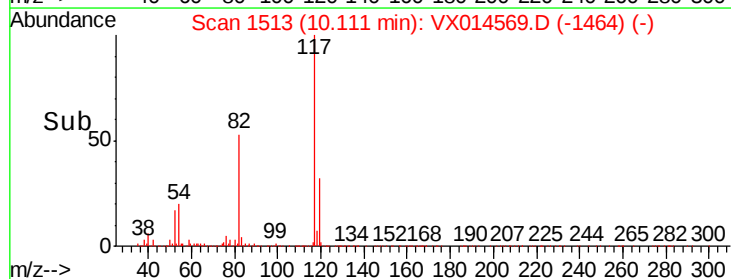
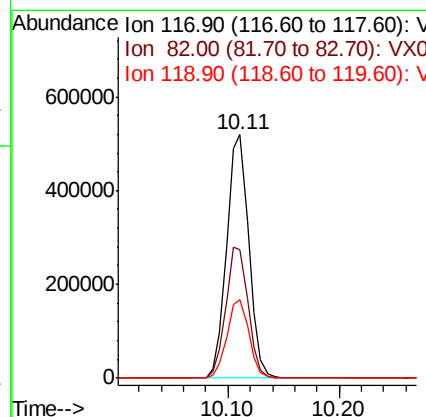
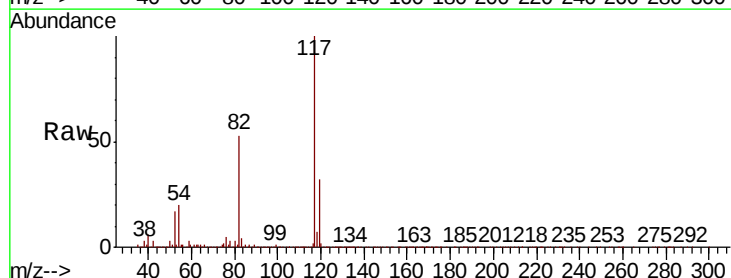
Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#15

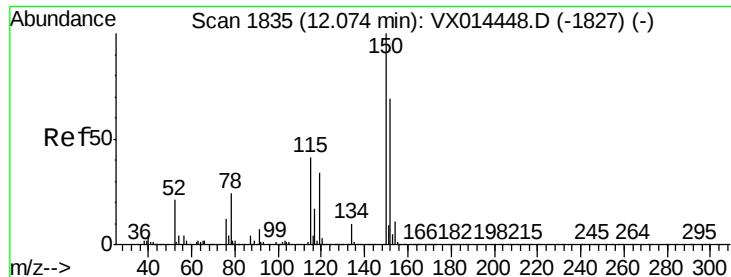
Tot Ion: 95 Resp: 320908
Ion Ratio Lower Upper
95 100
174 89.7 0.0 180.8
176 87.1 0.0 172.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014569.D
Acq: 11 Jan 2020 04:45

Tgt Ion: 117 Resp: 714358
Ion Ratio Lower Upper
117 100
82 52.8 41.8 62.6
119 32.1 26.2 39.4



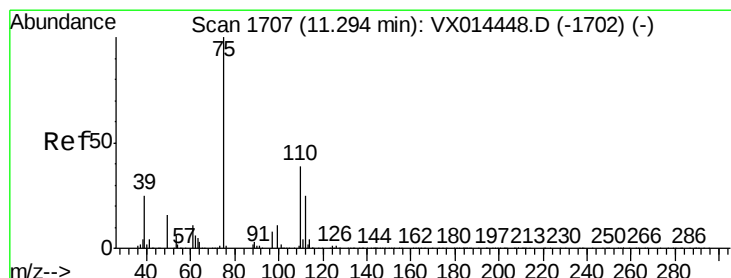
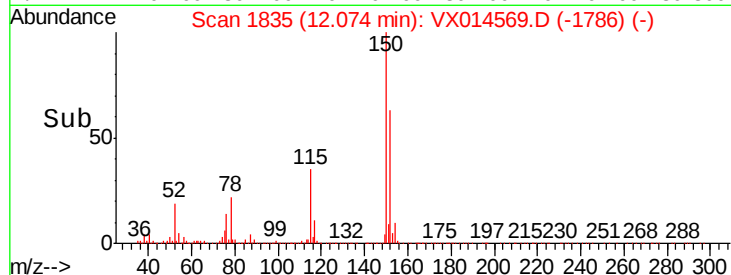
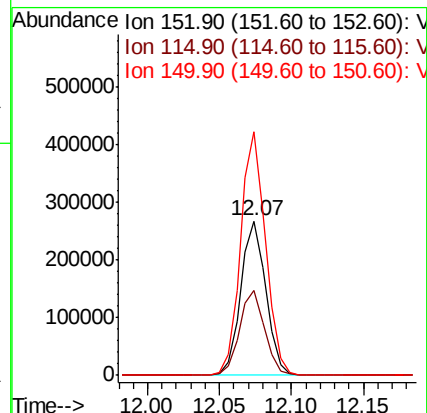
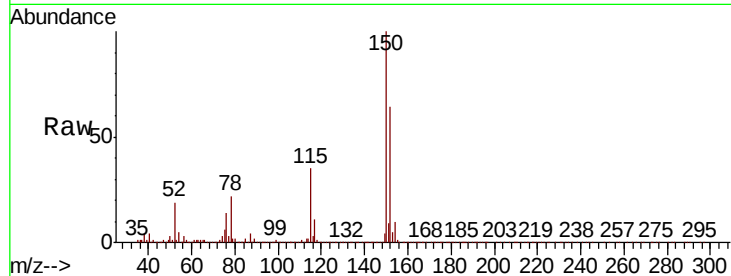


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014569.D
Acq: 11 Jan 2020 04:45

Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#15

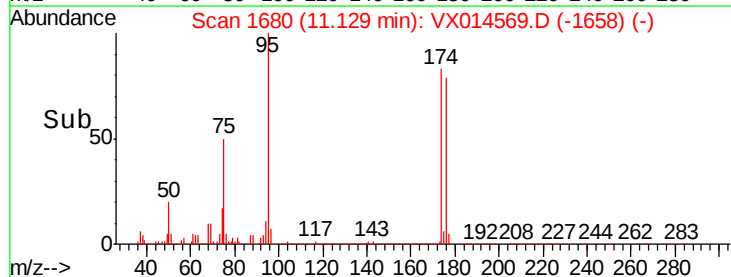
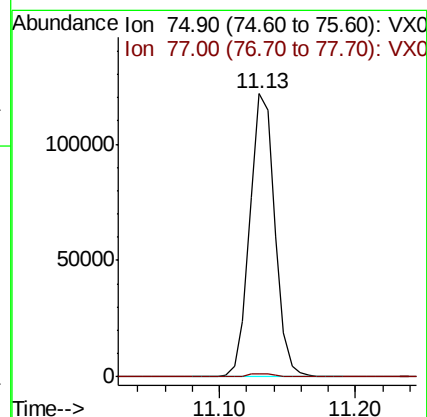
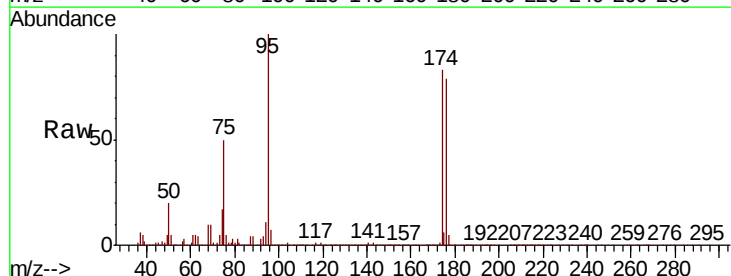
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.3	39.5	118.3
150	156.0	0.0	350.2

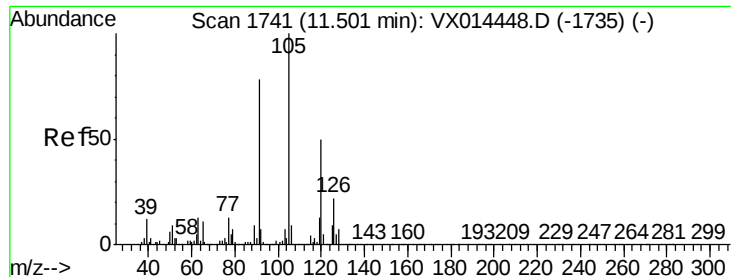


#76

1,2,3-Trichloropropane
Concen: 23.199 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014569.D
Acq: 11 Jan 2020 04:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.8	21.9	65.7#





#80

1,3,5-Trimethylbenzene

Concen: 0.708 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014569.D

Acq: 11 Jan 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

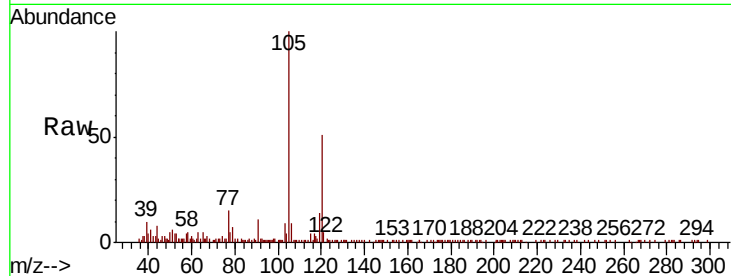
PB125993ZHE#15

Tot Ion:105 Resp: 13458

Ion Ratio Lower Upper

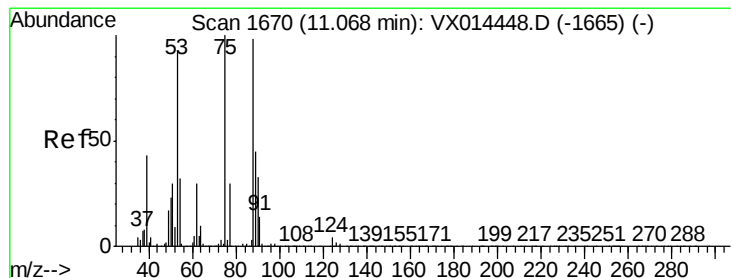
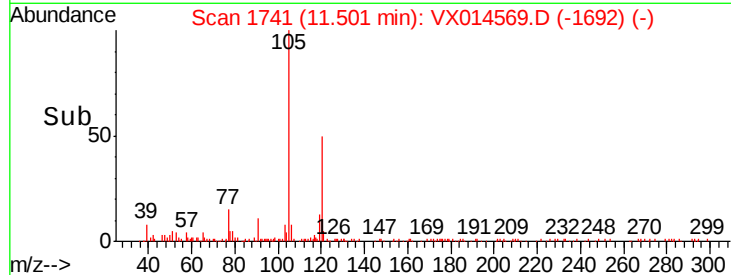
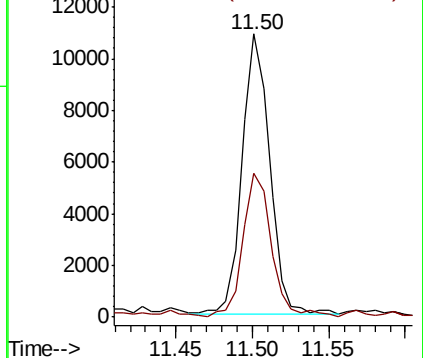
105 100

120 53.9 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 61.334 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014569.D

Acq: 11 Jan 2020 04:45

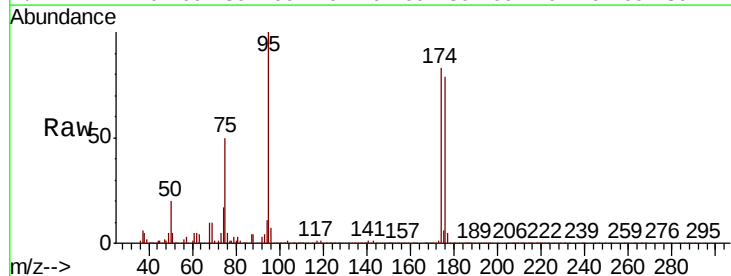
Tgt Ion: 75 Resp: 156573

Ion Ratio Lower Upper

75 100

53 0.2 74.8 112.2#

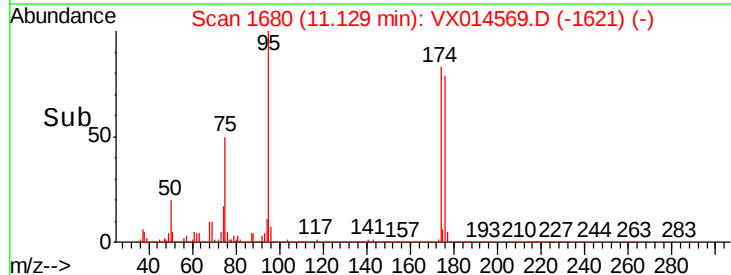
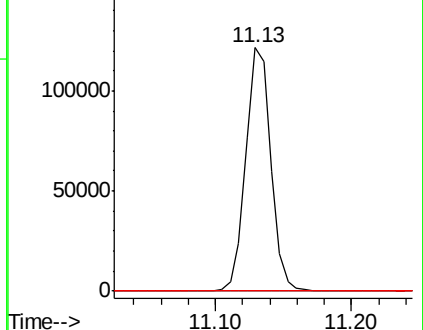
89 0.1 36.3 54.5#

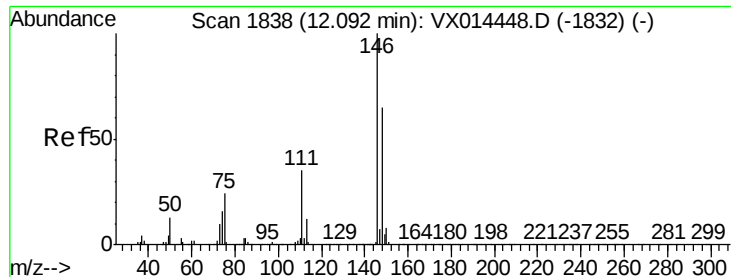


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.10 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VX014569.D

Acq: 11 Jan 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

PB125993ZHE#15

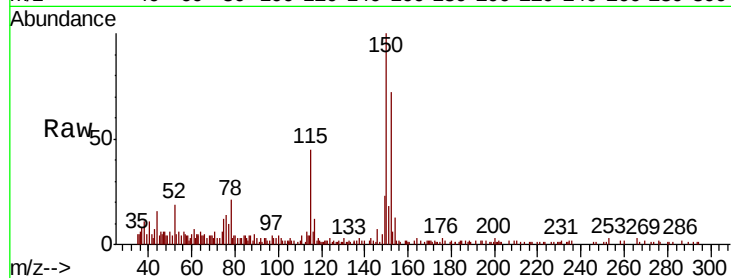
Tot Ion:146 Resp: 389

Ion Ratio Lower Upper

146 100

111 0.0 18.1 54.1#

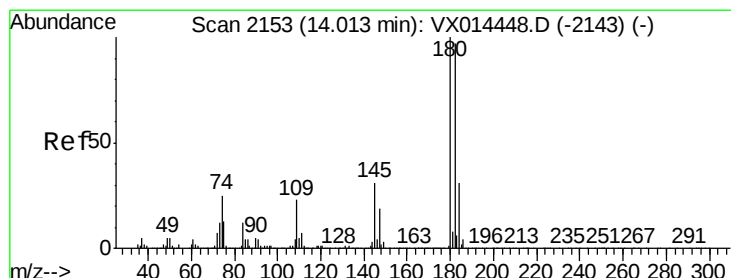
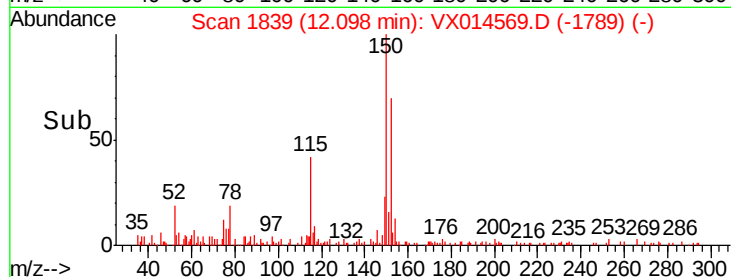
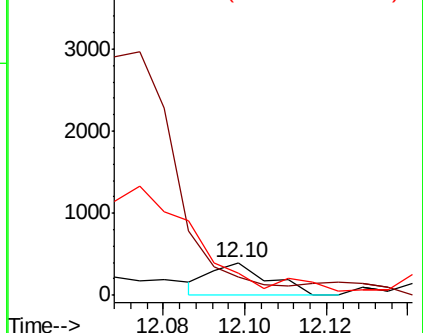
148 0.0 32.1 96.3#



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



#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 14.07 min Scan# 2163

Delta R.T. 0.06 min

Lab File: VX014569.D

Acq: 11 Jan 2020 04:45

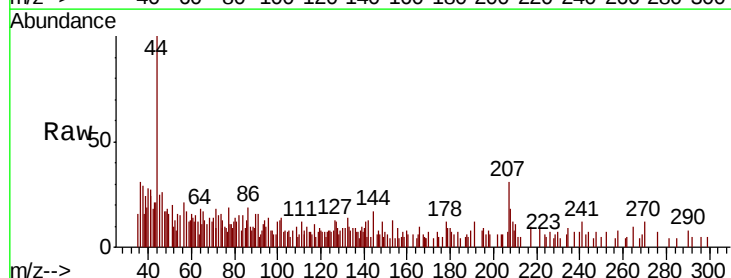
Tgt Ion:180 Resp: 380

Ion Ratio Lower Upper

180 100

182 62.4 47.9 143.6

145 29.5 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

