

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011020\
 Data File : VX014570.D
 Acq On : 11 Jan 2020 05:09
 Operator : JC/SP
 Sample : PB125993ZHE#16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993ZHE#16

Quant Time: Jan 11 06:00:11 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	497723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	768268	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	700443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	309693	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	272521	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
35) Dibromofluoromethane	5.49	113	231724	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	8.71	98	927125	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.13	95	313731	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	

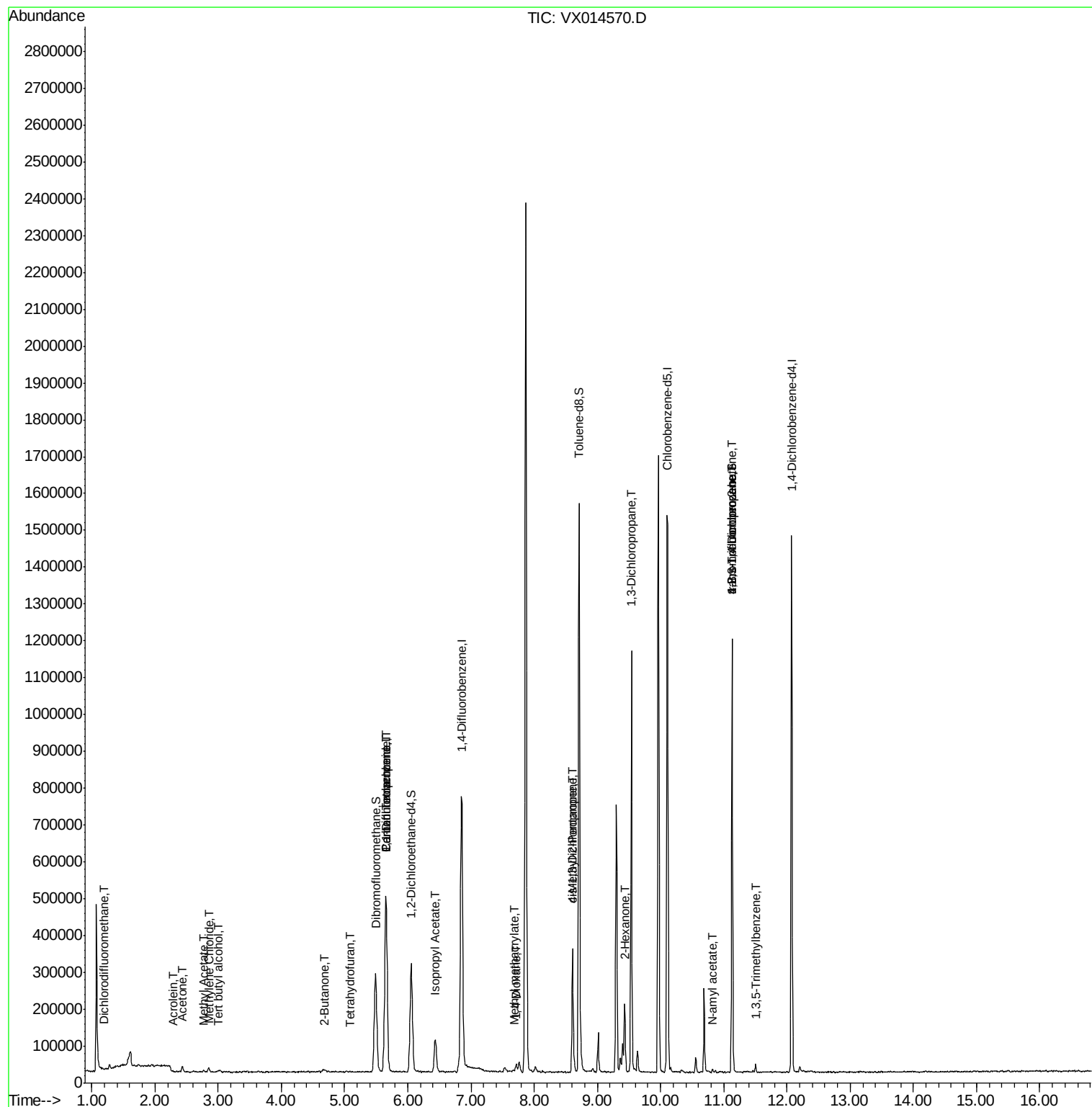
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	199	0.285	ug/l #	1
6) Chloroethane	1.75	64	1788	Below Cal	#	56
11) Tert butyl alcohol	3.01	59	3324	2.865	ug/l	97
13) Acrolein	2.28	56	354	0.381	ug/l #	1
16) Acetone	2.44	43	16470	1.763	ug/l	90
18) Methyl Acetate	2.76	43	7050	0.883	ug/l	96
20) Methylene Chloride	2.85	84	6399	1.145	ug/l	93
25) 2-Butanone	4.69	43	2722	0.656	ug/l	93
29) Tetrahydrofuran	5.09	42	1152	0.469	ug/l #	50
36) 1,1-Dichloropropene	5.65	75	34319	4.750	ug/l #	47
38) Carbon Tetrachloride	5.65	117	41885	6.300	ug/l #	19
43) Isopropyl Acetate	6.43	43	121525	9.586	ug/l	100
48) Methyl methacrylate	7.67	41	7106	1.170	ug/l #	16
49) 1,4-Dioxane	7.72	88	514	3.995	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	120290	15.571	ug/l #	44
54) cis-1,3-Dichloropropene	8.61	75	54533	6.245	ug/l #	59
57) 1,3-Dichloropropane	9.53	76	10007	1.086	ug/l #	49
59) 2-Hexanone	9.43	43	150846	24.678	ug/l #	23
74) N-amyl acetate	10.82	43	5374	0.560	ug/l #	48
76) 1,2,3-Trichloropropane	11.13	75	153074	23.889	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.50	105	11267	0.624	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	153074	63.159	ug/l #	12
88) 1,4-Dichlorobenzene	12.03	146	735	Below Cal		83
93) 1,2,4-Trichlorobenzene	13.65	180	555	Below Cal	#	52
96) 1,2,3-Trichlorobenzene	14.01	180	355	Below Cal	#	86

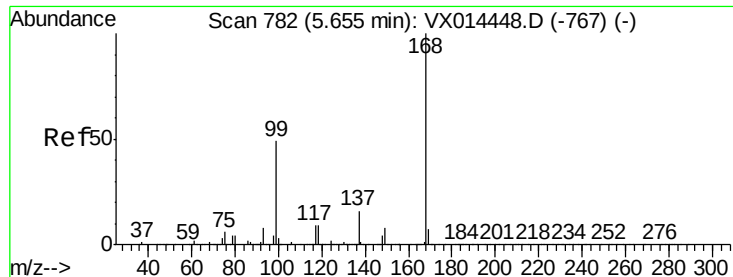
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011020\
Data File : VX014570.D
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Jan 11 06:00:11 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: VX014570.D

Acq: 11 Jan 2020 05:09

Instrument :

MSVOA_X

ClientSampleId :

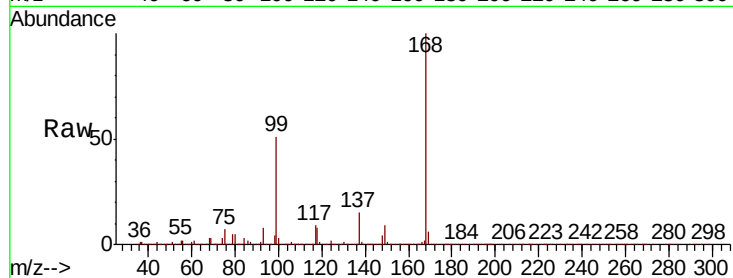
PB125993ZHE#16

Tot Ion:168 Resp: 497723

Ion Ratio Lower Upper

168 100

99 50.7 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

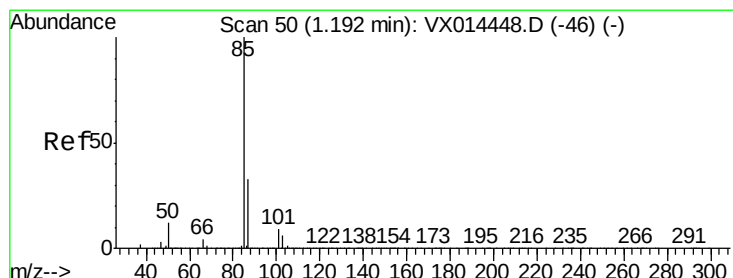
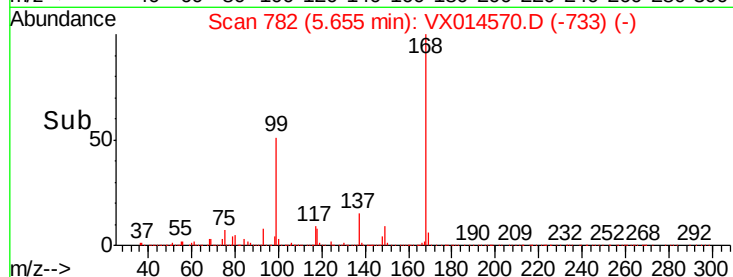
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.285 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014570.D

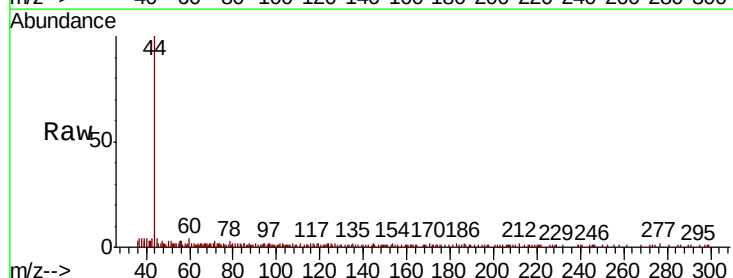
Acq: 11 Jan 2020 05:09

Tgt Ion: 85 Resp: 199

Ion Ratio Lower Upper

85 100

87 89.1 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

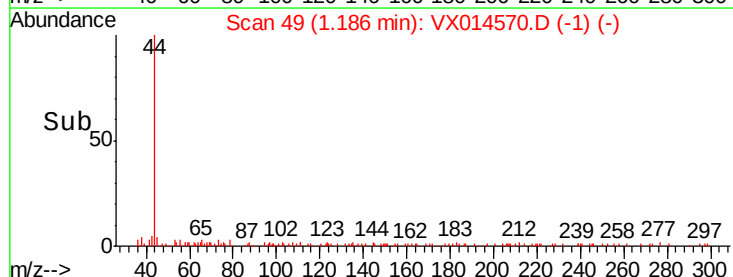
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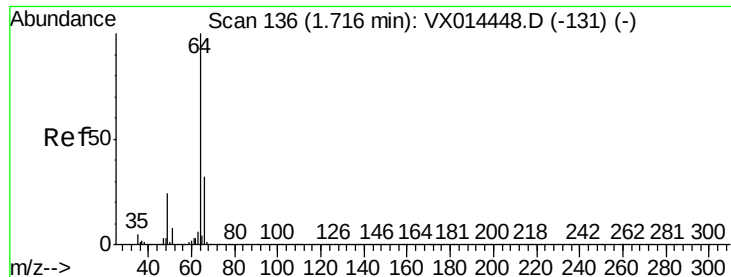
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 141

Delta R.T. 0.03 min

Lab File: VX014570.D

Acq: 11 Jan 2020 05:09

Instrument :

MSVOA_X

ClientSampleId :

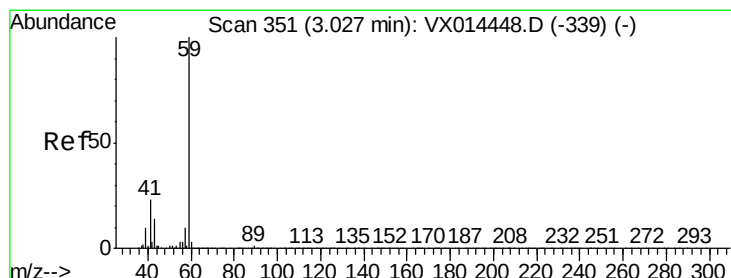
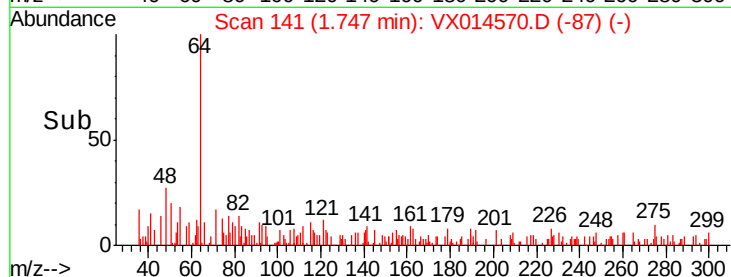
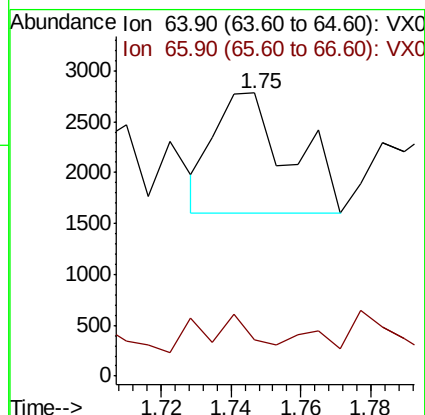
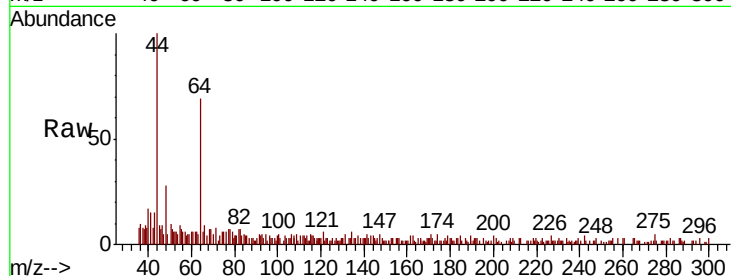
PB125993ZHE#16

Tot Ion: 64 Resp: 1788

Ion Ratio Lower Upper

64 100

66 7.3 25.3 37.9#



#11

Tert butyl alcohol

Concen: 2.865 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX014570.D

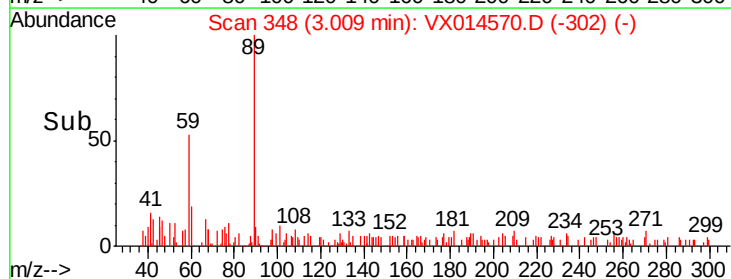
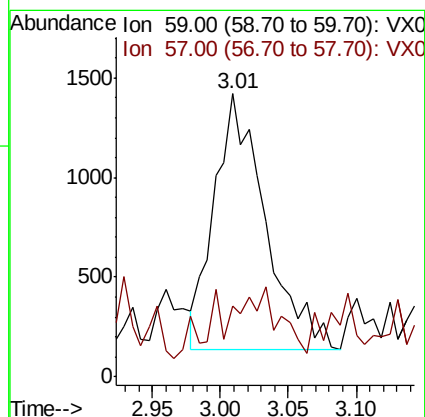
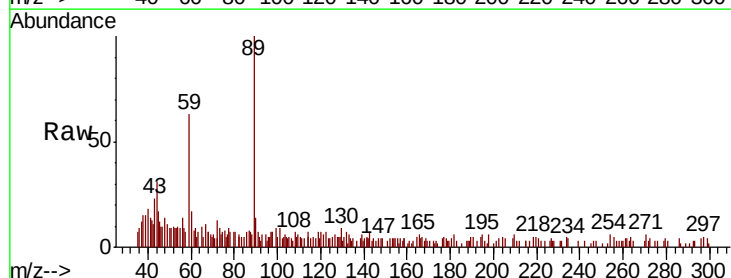
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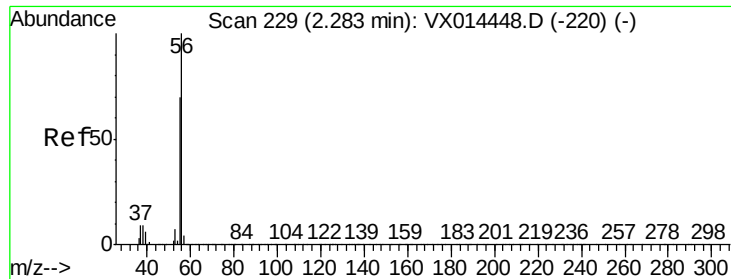
Tgt Ion: 59 Resp: 3324

Ion Ratio Lower Upper

59 100

57 9.4 8.5 12.7

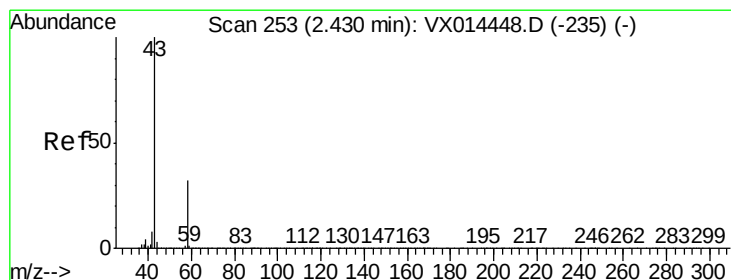
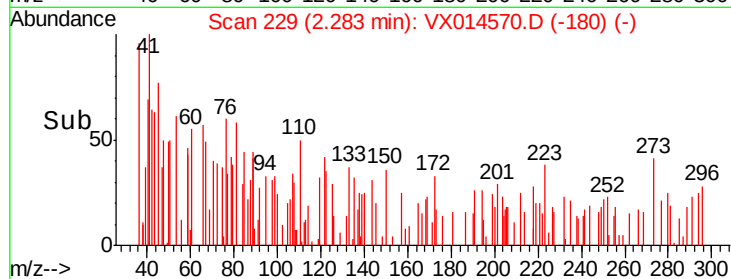
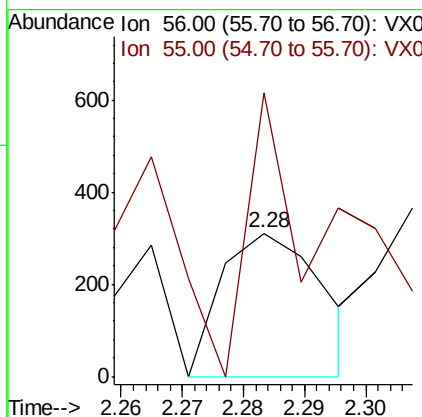
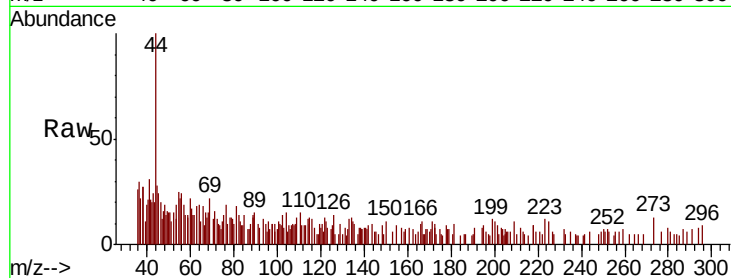




#13
Acrolein
Concen: 0.381 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014570.D
Acq: 11 Jan 2020 05:09

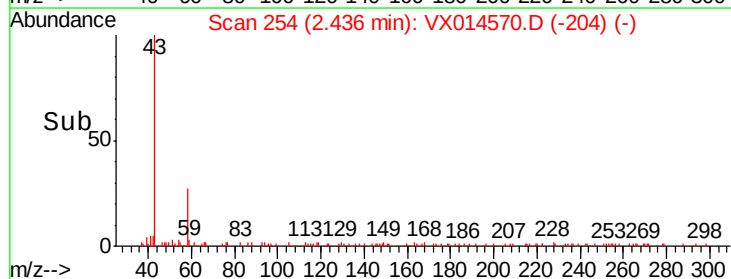
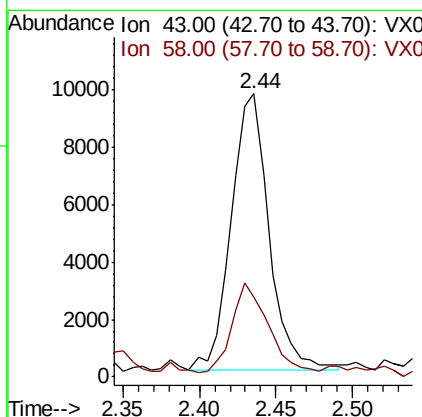
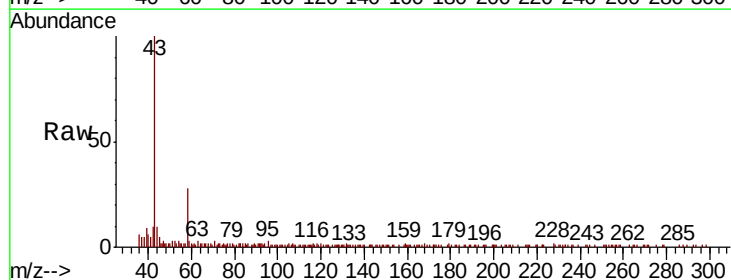
Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#16

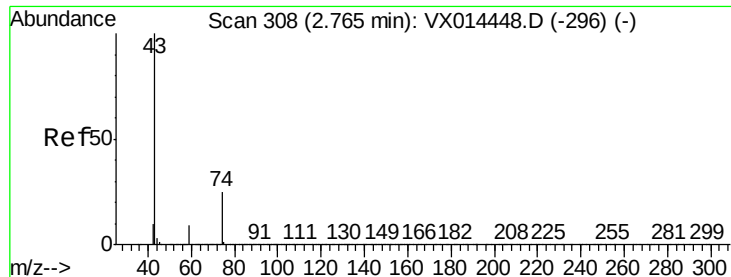
Tot Ion: 56 Resp: 354
Ion Ratio Lower Upper
56 100
55 191.5 55.0 82.6#



#16
Acetone
Concen: 1.763 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX014570.D
Acq: 11 Jan 2020 05:09

Tgt Ion: 43 Resp: 16470
Ion Ratio Lower Upper
43 100
58 26.4 25.4 38.0

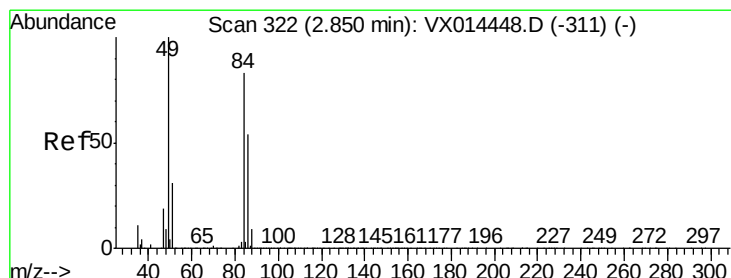
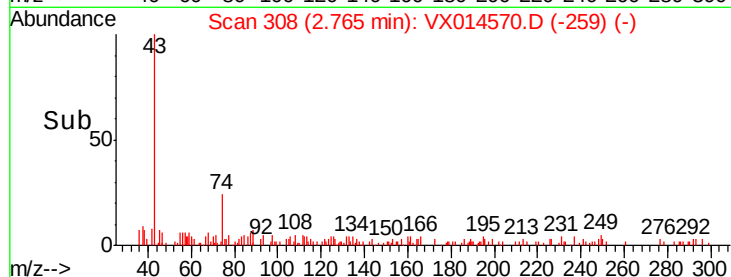
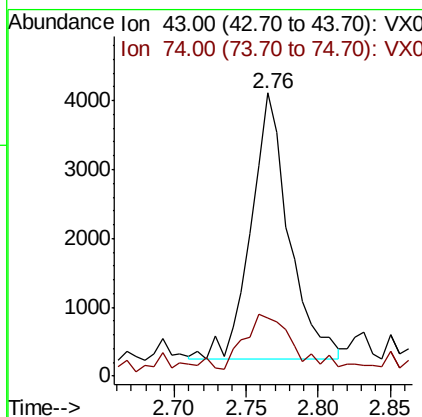
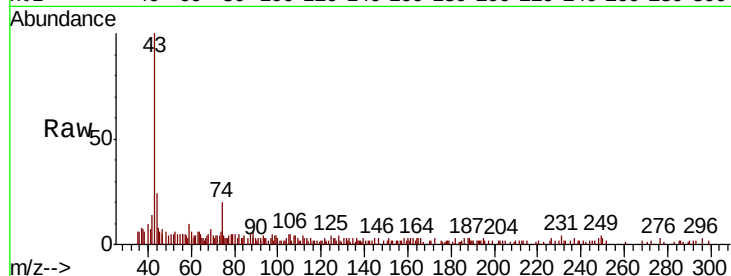




#18
Methvl Acetate
Concen: 0.883 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014570.D
Acq: 11 Jan 2020 05:09

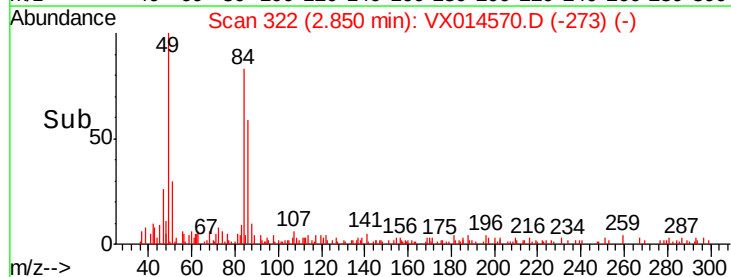
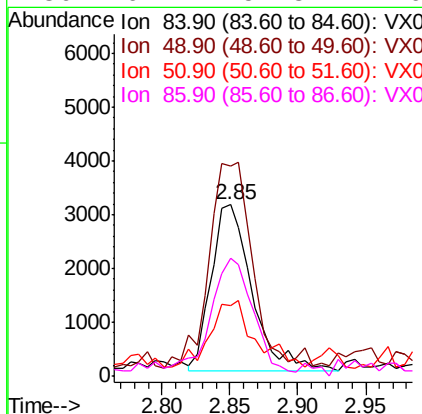
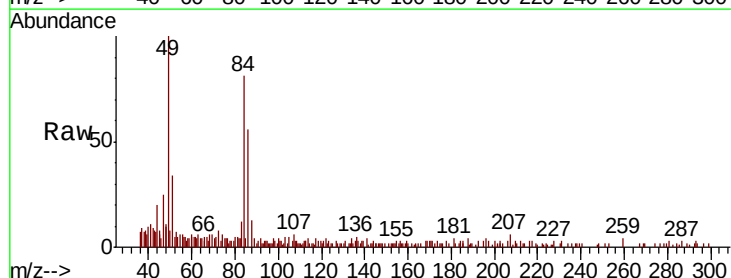
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ClientSampleId :
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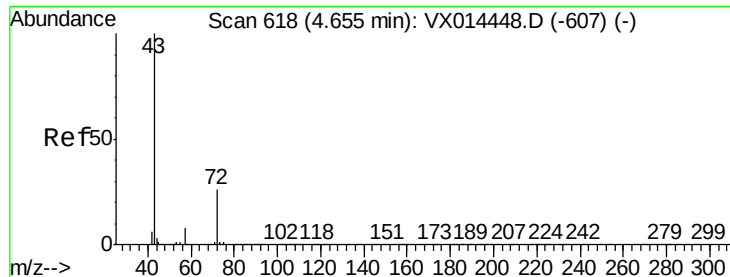
Tot Ion: 43 Resp: 7050
Ion Ratio Lower Upper
43 100
74 26.5 19.4 29.2



#20
Methylene Chloride
Concen: 1.145 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014570.D
Acq: 11 Jan 2020 05:09

Tgt Ion: 84 Resp: 6399
Ion Ratio Lower Upper
84 100
49 113.3 95.8 143.8
51 30.5 30.2 45.4
86 61.1 51.8 77.6

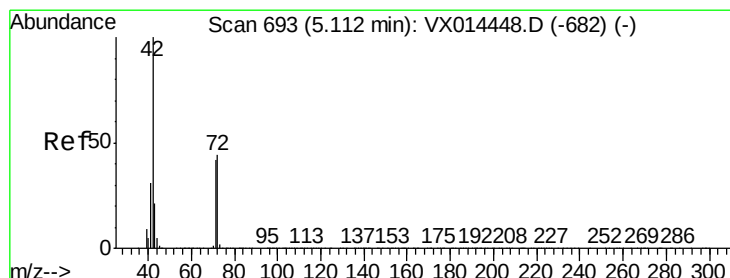
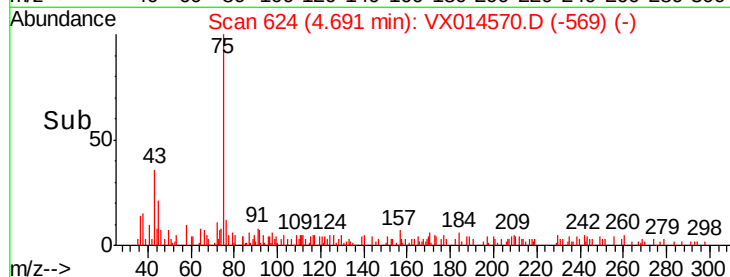
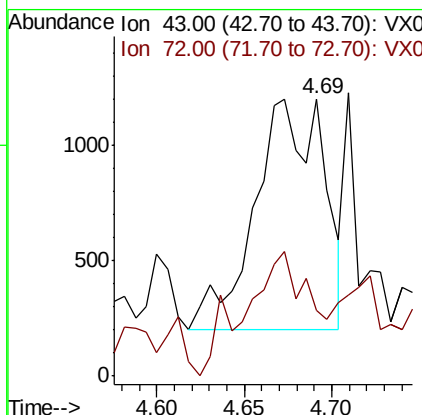
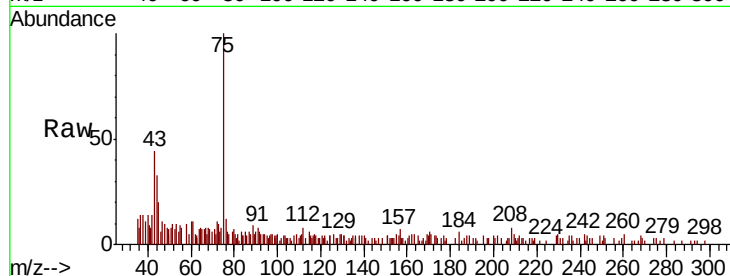




#25
2-Butanone
Concen: 0.656 ug/l
RT: 4.69 min Scan# 624
Delta R.T. 0.04 min
Lab File: VX014570.D
Acq: 11 Jan 2020 05:09

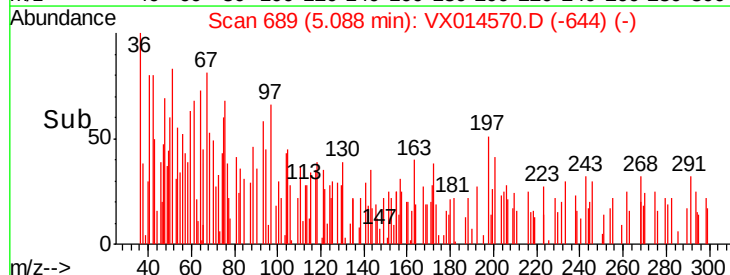
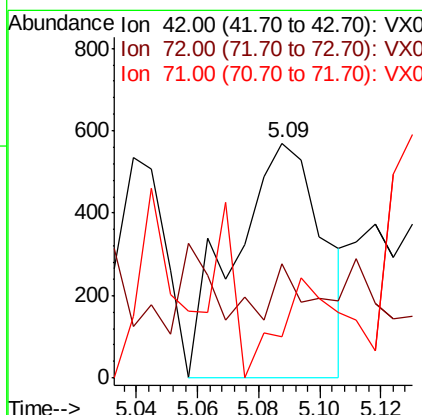
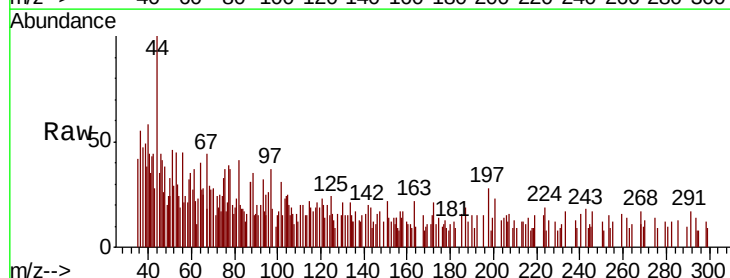
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ClientSampleId :
PB125993ZHE#16

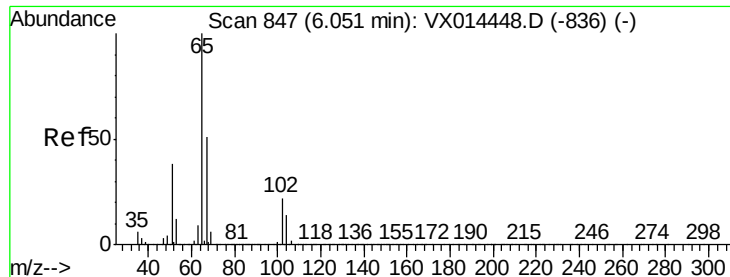
Tot Ion: 43 Resp: 2722
Ion Ratio Lower Upper
43 100
72 22.2 20.6 31.0



#29
Tetrahydrofuran
Concen: 0.469 ug/l
RT: 5.09 min Scan# 689
Delta R.T. -0.02 min
Lab File: VX014570.D
Acq: 11 Jan 2020 05:09

Tgt Ion: 42 Resp: 1152
Ion Ratio Lower Upper
42 100
72 12.5 36.2 54.4#
71 10.9 34.1 51.1#

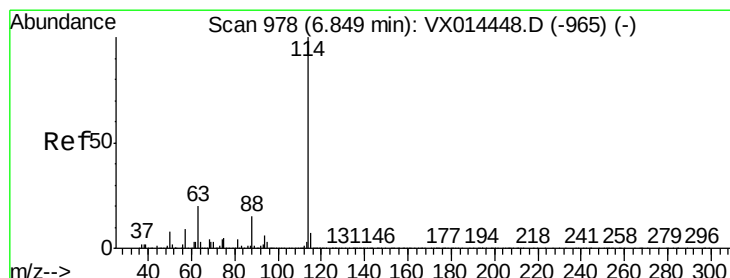
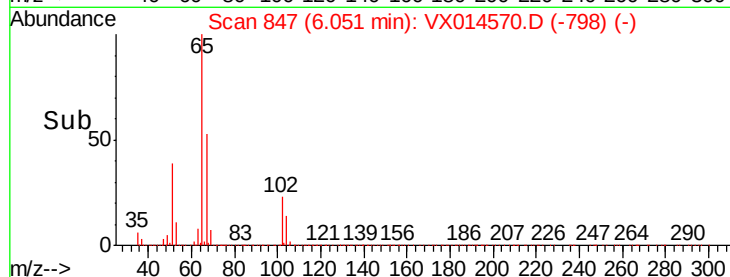
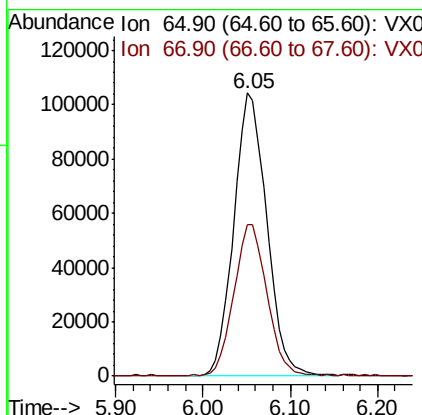
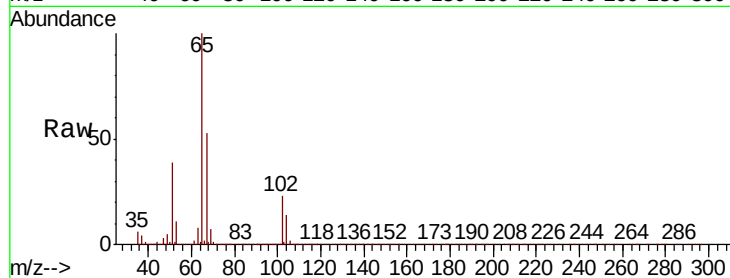




#33
 1,2-Dichloroethane-d4
 Concen: 49.047 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014570.D
 Acq: 11 Jan 2020 05:09

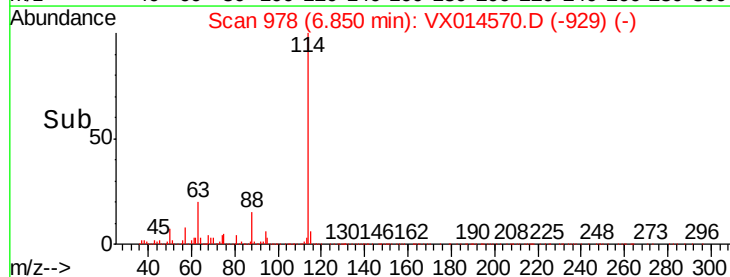
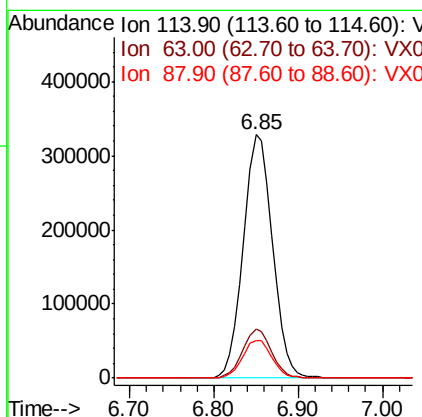
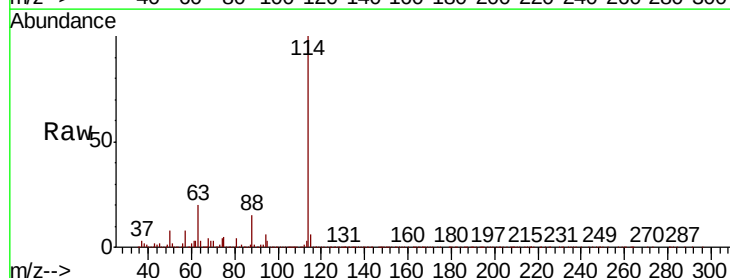
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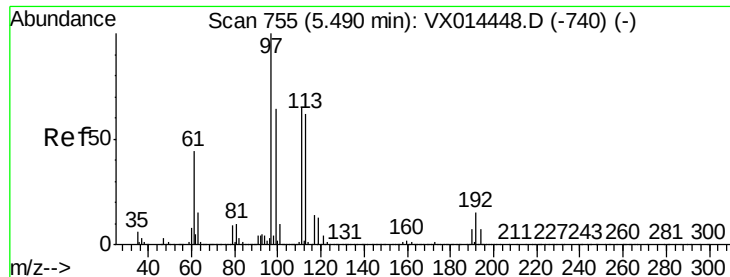
Tot Ion: 65 Resp: 272521
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014570.D
 Acq: 11 Jan 2020 05:09

Tgt Ion: 114 Resp: 768268
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.6
 88 15.2 0.0 30.8

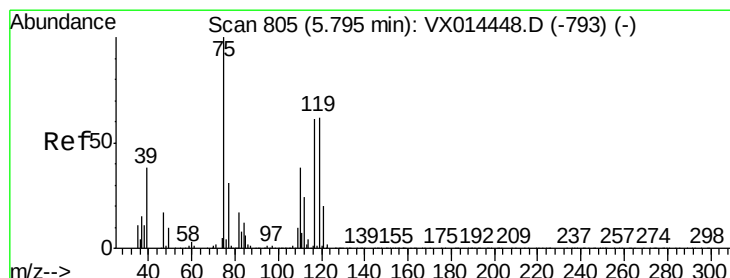
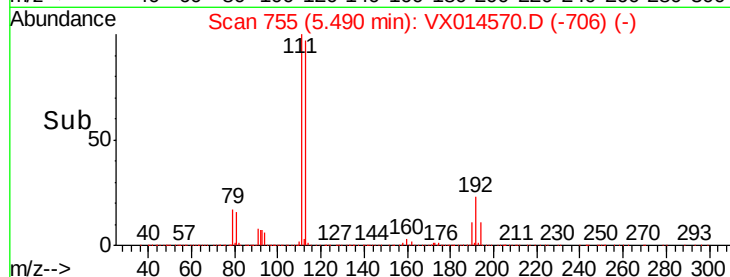
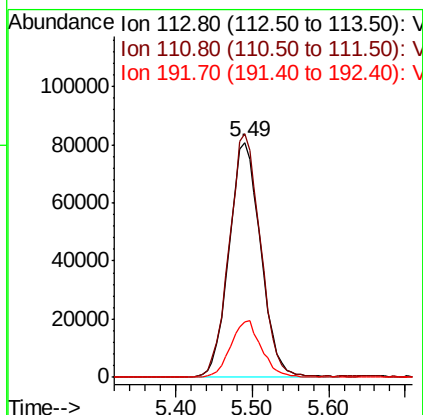
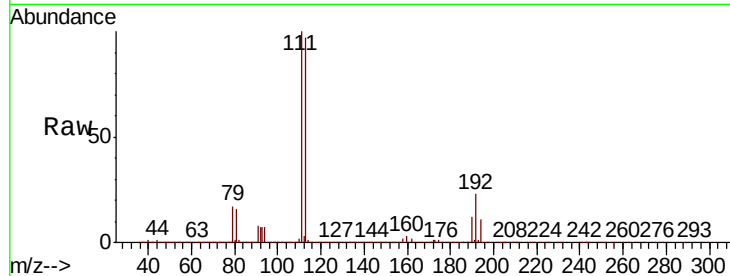




#35
 Dibromofluoromethane
 Concen: 49.826 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014570.D
 Acq: 11 Jan 2020 05:09

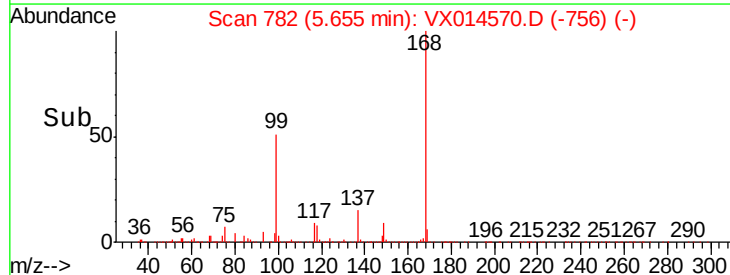
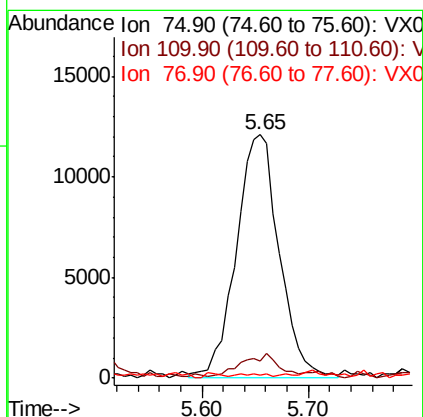
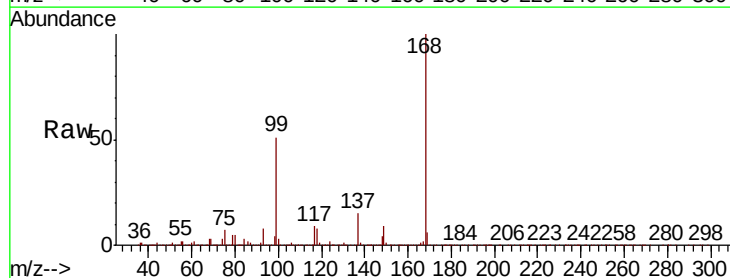
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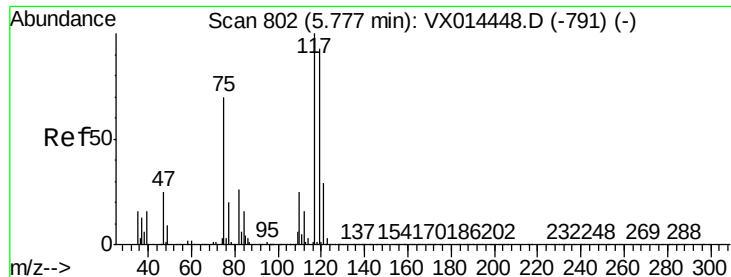
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.5	122.3
192	23.3	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.750 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014570.D
 Acq: 11 Jan 2020 05:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	18.6	55.8#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.300 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014570.D

Acq: 11 Jan 2020 05:09

Instrument :

MSVOA_X

ClientSampleId :

PB125993ZHE#16

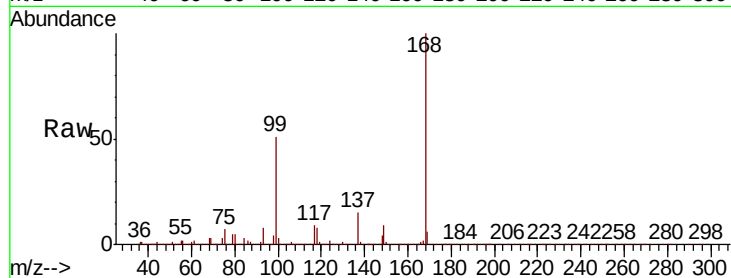
Tot Ion:117 Resp: 41885

Ion Ratio Lower Upper

117 100

119 6.0 73.8 110.8#

121 0.7 23.4 35.0#

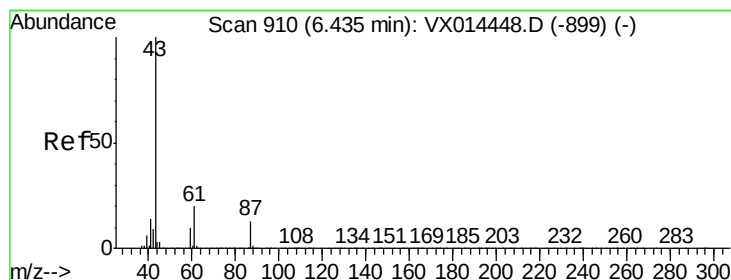
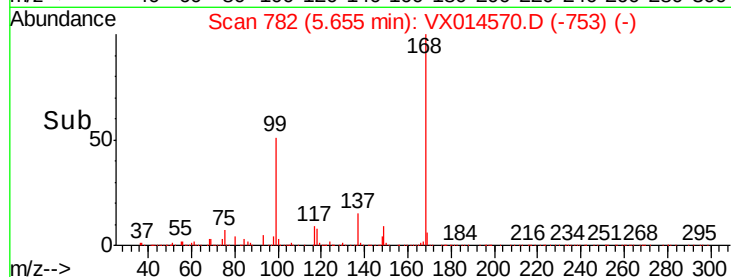
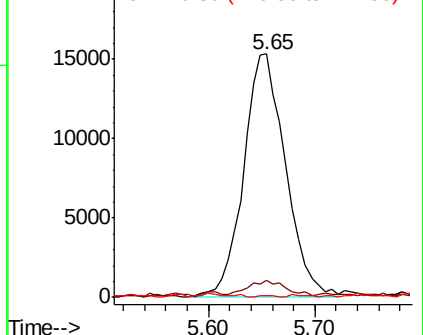


Abundance

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: 9.586 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014570.D

Acq: 11 Jan 2020 05:09

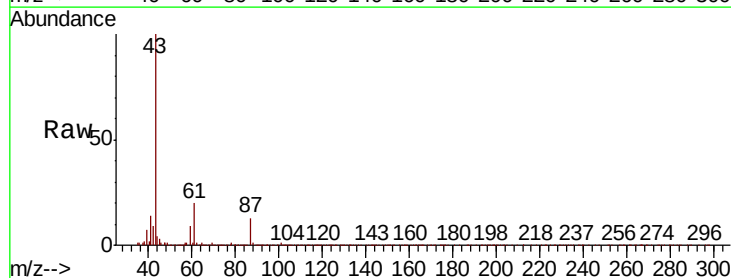
Tgt Ion: 43 Resp: 121525

Ion Ratio Lower Upper

43 100

61 20.8 16.6 24.8

87 13.6 10.8 16.2

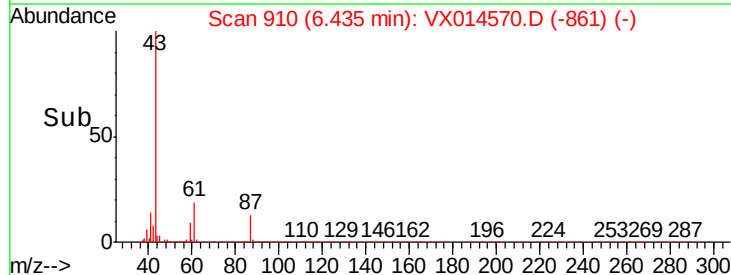
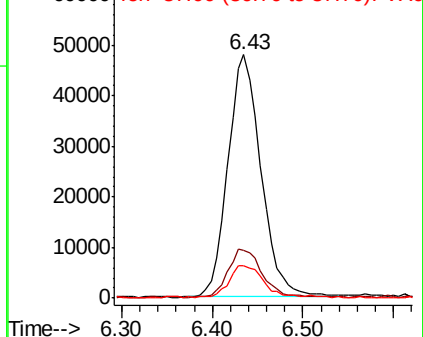


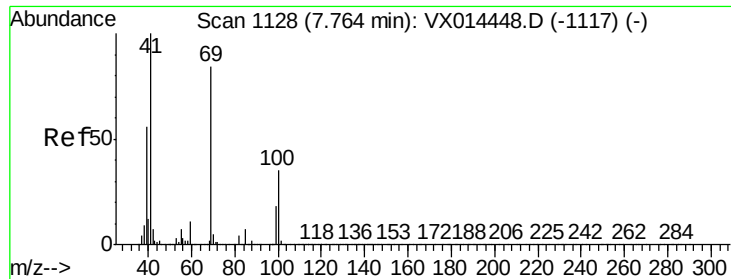
Abundance

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

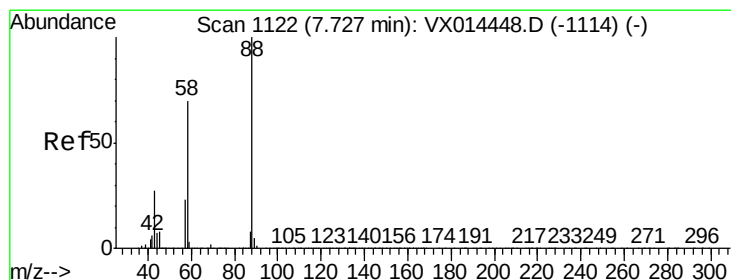
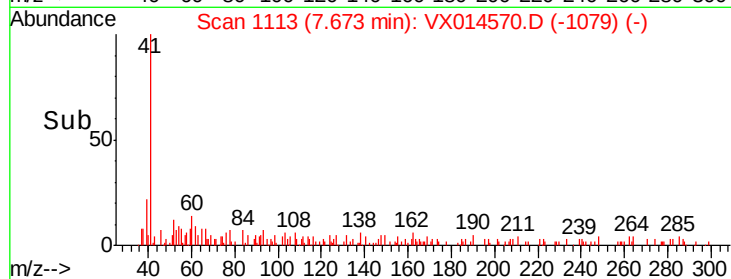
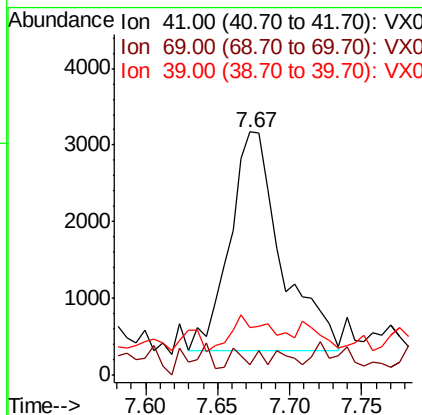
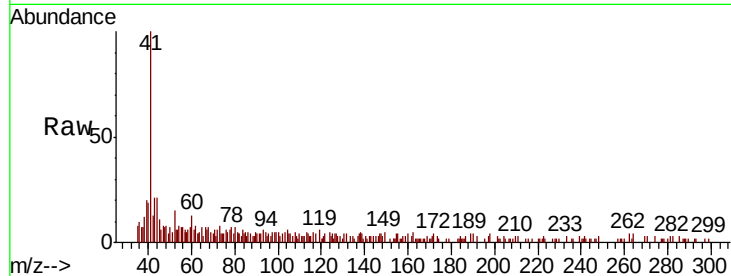




#48
Methvl methacrylate
Concen: 1.170 ug/l
RT: 7.67 min Scan# 1113
Delta R.T. -0.09 min
Lab File: VX014570.D
Acq: 11 Jan 2020 05:09

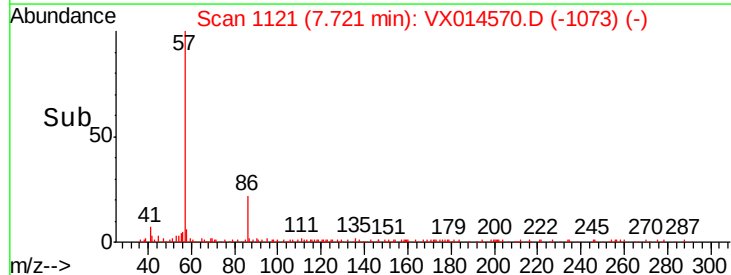
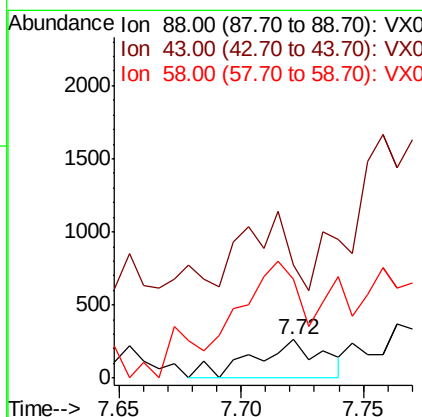
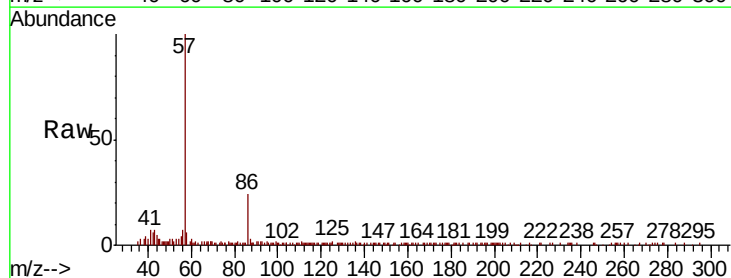
Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#16

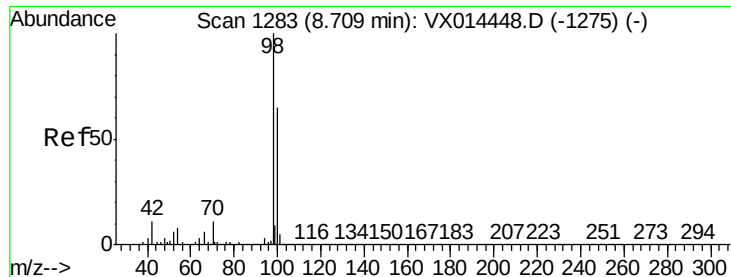
Tot Ion: 41 Resp: 7106
Ion Ratio Lower Upper
41 100
69 2.4 65.5 98.3#
39 0.0 43.9 65.9#



#49
1,4-Dioxane
Concen: 3.995 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014570.D
Acq: 11 Jan 2020 05:09

Tgt Ion: 88 Resp: 514
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 251.9 57.1 85.7#

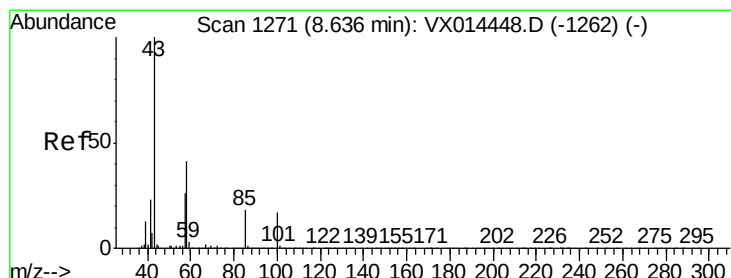
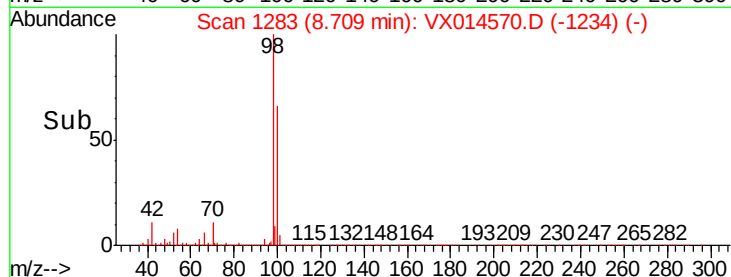
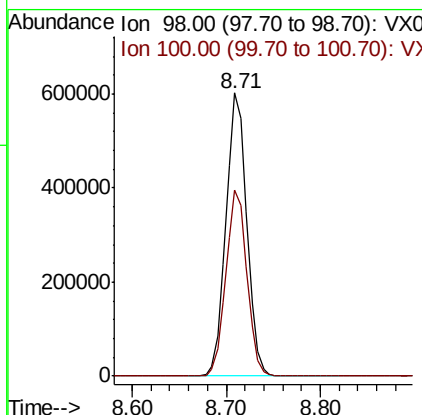
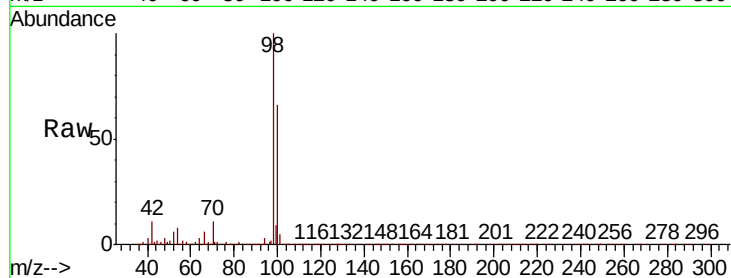




#50
Toluene-d8
Concen: 51.371 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014570.D
Acq: 11 Jan 2020 05:09

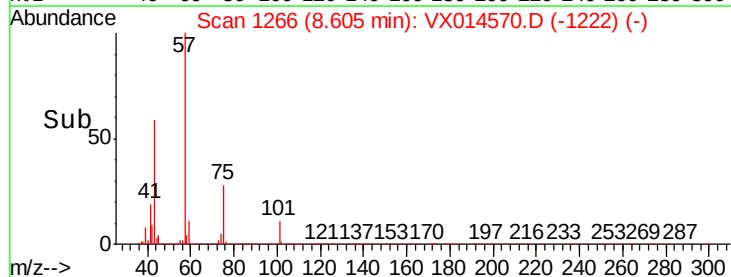
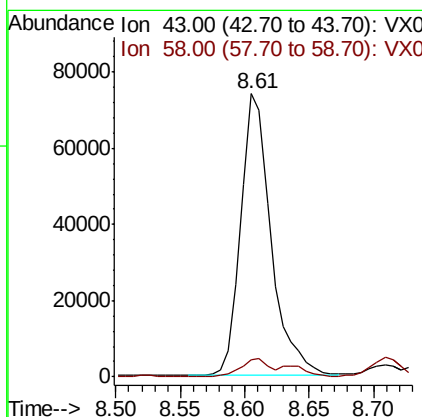
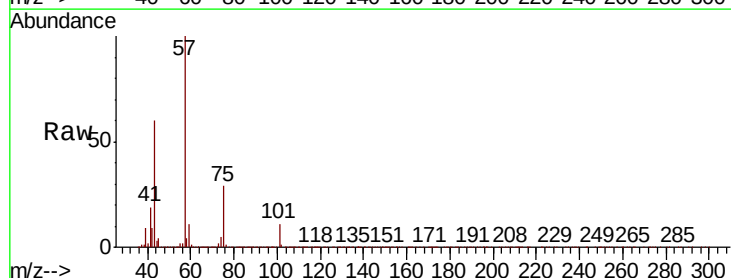
Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#16

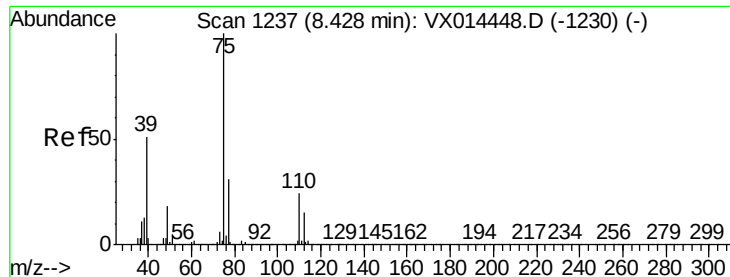
Tot Ion: 98 Resp: 927125
Ion Ratio Lower Upper
98 100
100 65.8 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 15.571 ug/l
RT: 8.61 min Scan# 1266
Delta R.T. -0.03 min
Lab File: VX014570.D
Acq: 11 Jan 2020 05:09

Tgt Ion: 43 Resp: 120290
Ion Ratio Lower Upper
43 100
58 5.8 32.4 48.6#





#54

cis-1,3-Dichloropropene

Concen: 6.245 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX014570.D

Acq: 11 Jan 2020 05:09

Instrument :

MSVOA_X

ClientSampleId :

PB125993ZHE#16

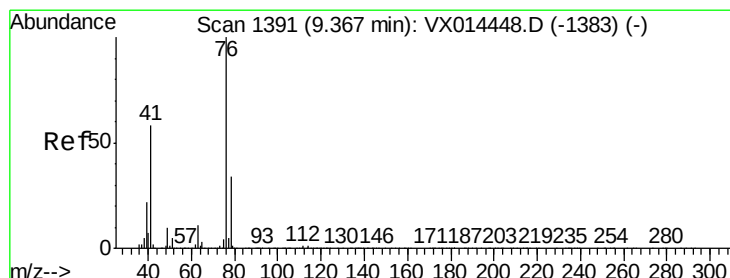
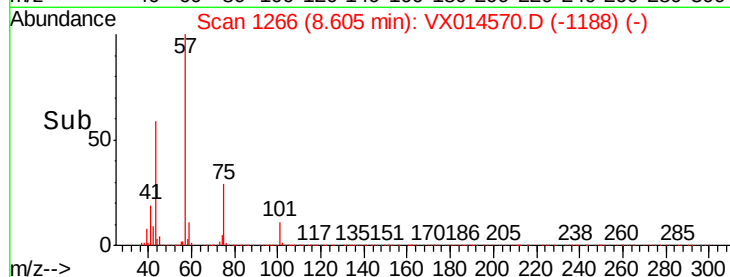
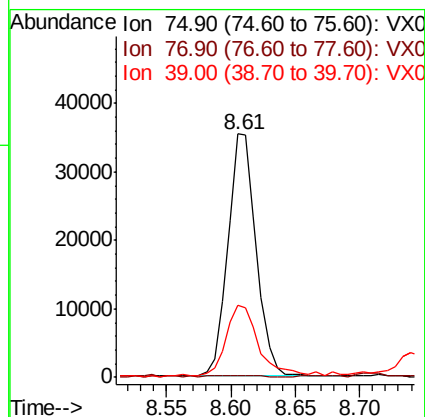
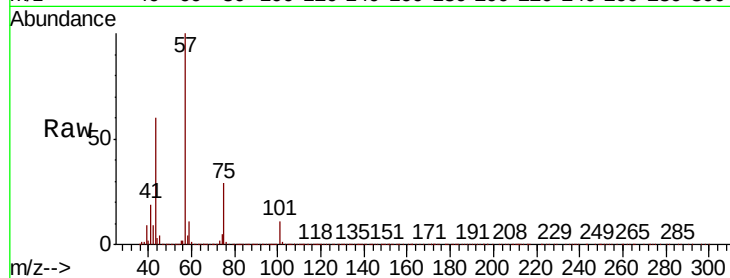
Tot Ion: 75 Resp: 54533

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 29.1 40.7 61.1#



#57

1,3-Dichloropropene

Concen: 1.086 ug/l

RT: 9.53 min Scan# 1418

Delta R.T. 0.16 min

Lab File: VX014570.D

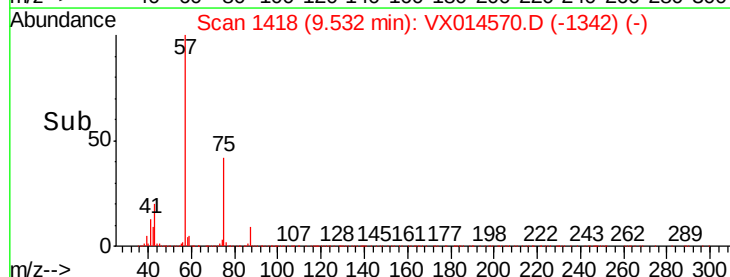
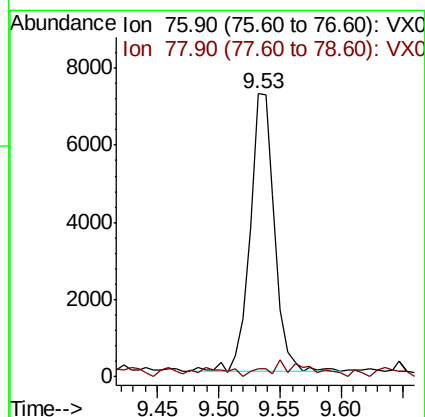
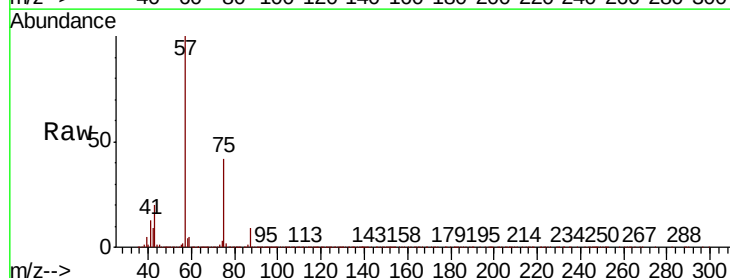
Acq: 11 Jan 2020 05:09

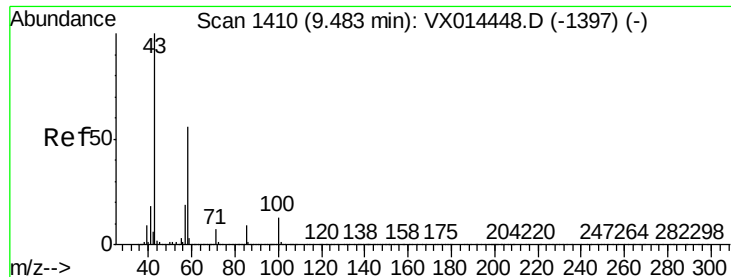
Tgt Ion: 76 Resp: 10007

Ion Ratio Lower Upper

76 100

78 4.3 26.4 39.6#





#59

2-Hexanone

Concen: 24.678 ug/l

RT: 9.43 min Scan# 1402

Delta R.T. -0.05 min

Lab File: VX014570.D

Acq: 11 Jan 2020 05:09

Instrument :

MSVOA_X

ClientSampleId :

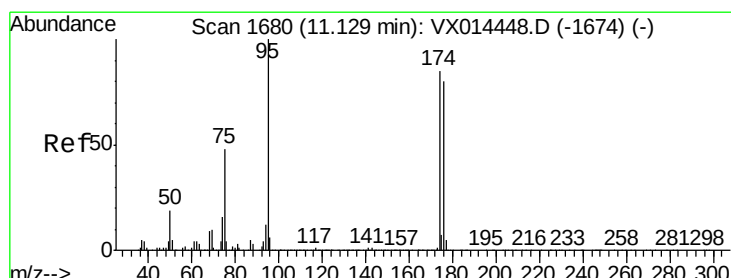
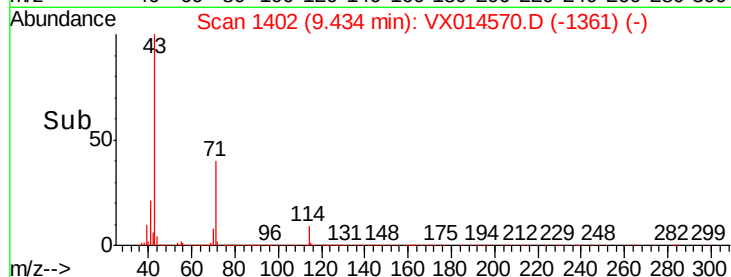
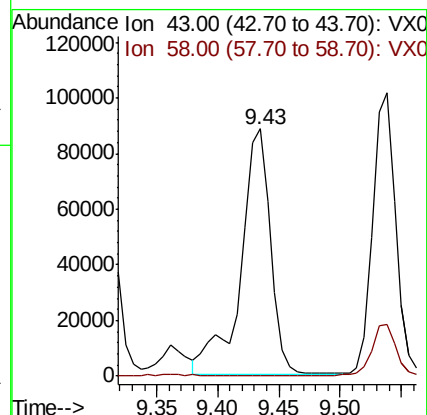
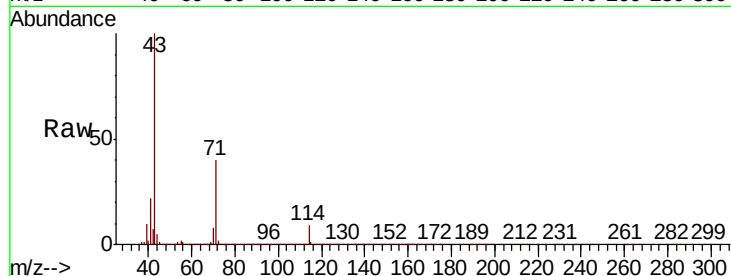
PB125993ZHE#16

Tot Ion: 43 Resp: 150846

Ion Ratio Lower Upper

43 100

58 0.0 27.9 83.7#



#62

4-Bromofluorobenzene

Concen: 47.352 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014570.D

Acq: 11 Jan 2020 05:09

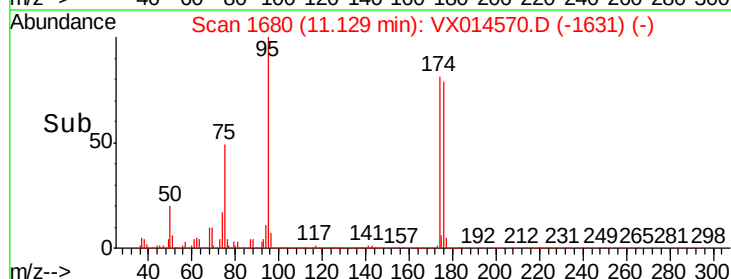
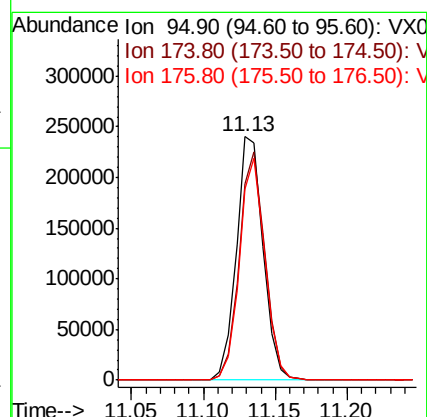
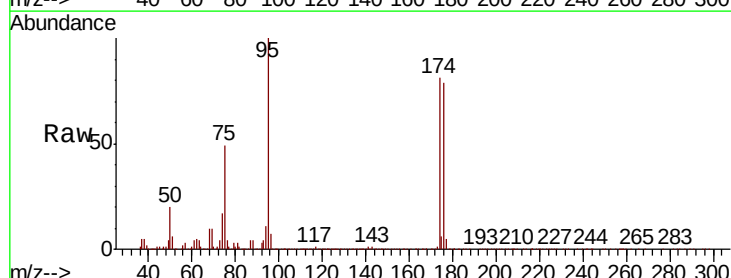
Tgt Ion: 95 Resp: 313731

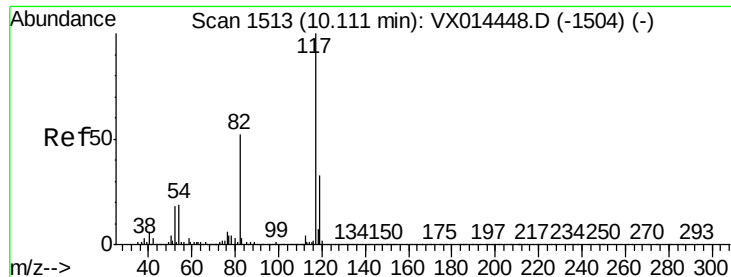
Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.8

176 86.7 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: VX014570.D

Acq: 11 Jan 2020 05:09

Instrument :

MSVOA_X

ClientSampleId :

PB125993ZHE#16

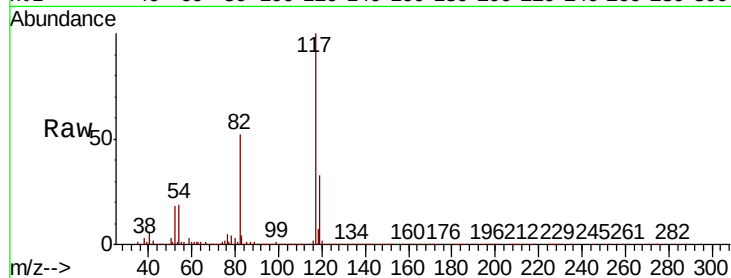
Tot Ion:117 Resp: 700443

Ion Ratio Lower Upper

117 100

82 51.9 41.8 62.6

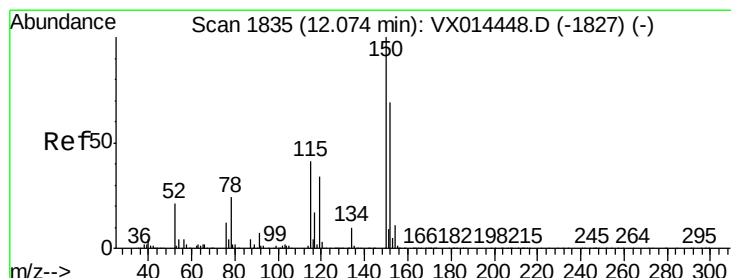
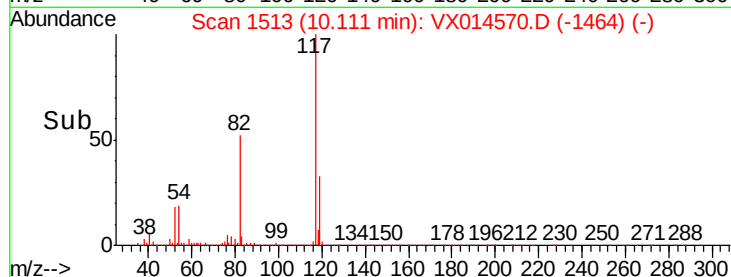
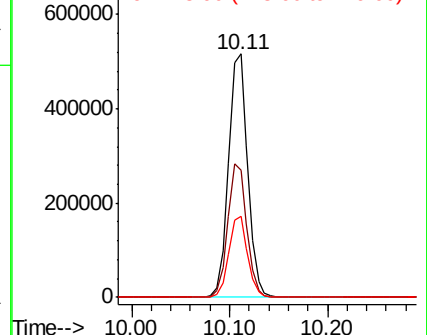
119 33.1 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014570.D

Acq: 11 Jan 2020 05:09

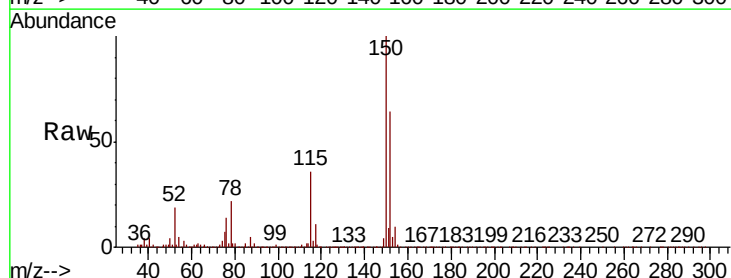
Tgt Ion:152 Resp: 309693

Ion Ratio Lower Upper

152 100

115 55.6 39.5 118.3

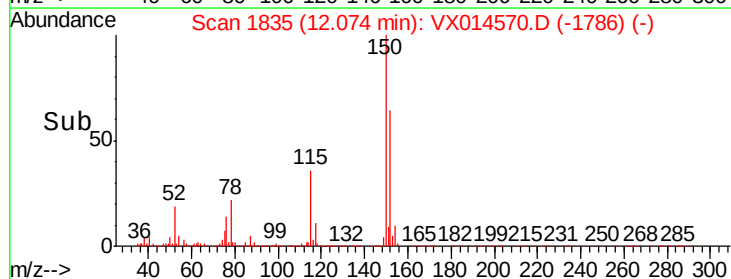
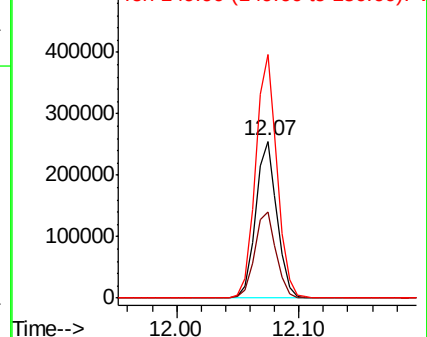
150 156.3 0.0 350.2

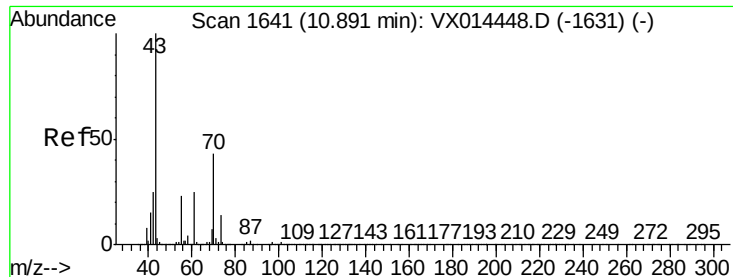


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.560 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX014570.D

Acq: 11 Jan 2020 05:09

Instrument :

MSVOA_X

ClientSampleId :

PB125993ZHE#16

Tot Ion: 43 Resp: 5374

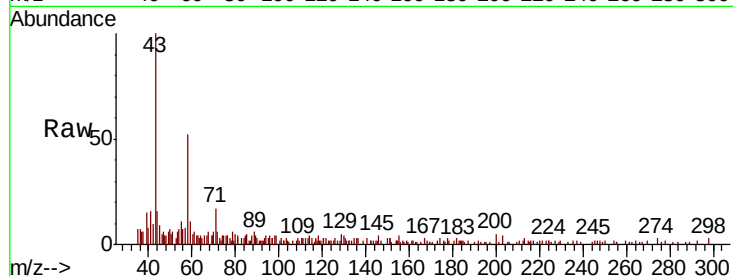
Ion Ratio Lower Upper

43 100

70 5.8 35.1 52.7#

55 3.7 19.3 28.9#

61 0.0 20.0 30.0#

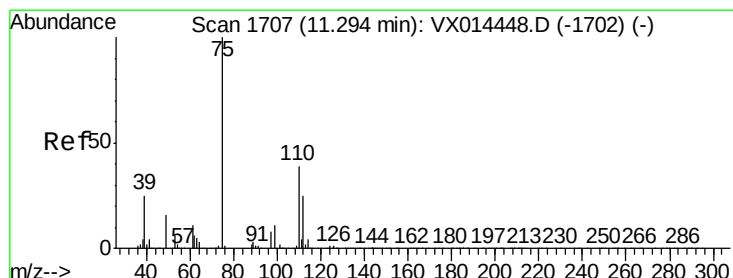
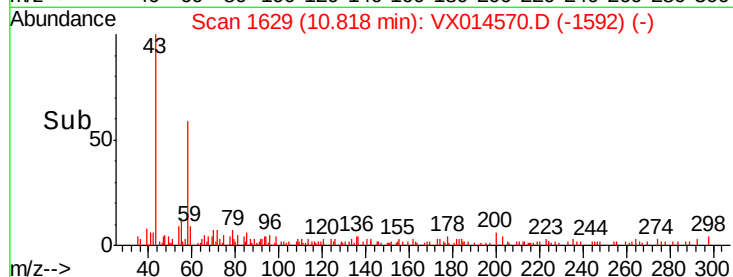
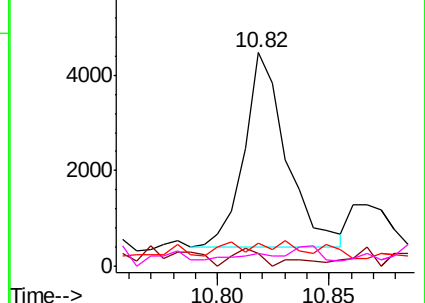


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.889 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014570.D

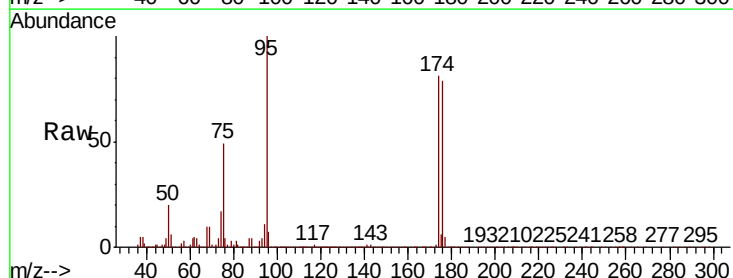
Acq: 11 Jan 2020 05:09

Tgt Ion: 75 Resp: 153074

Ion Ratio Lower Upper

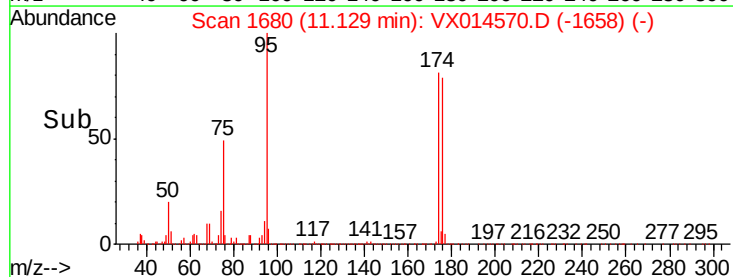
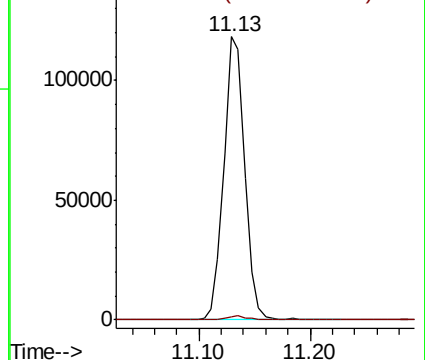
75 100

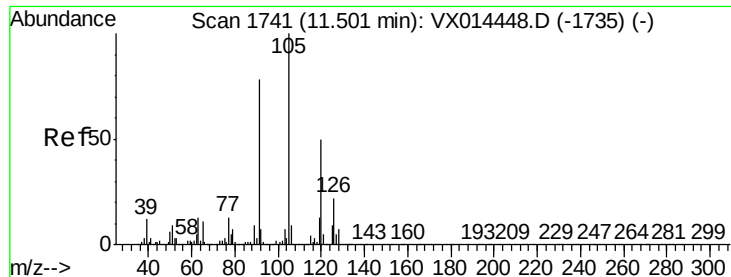
77 1.5 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

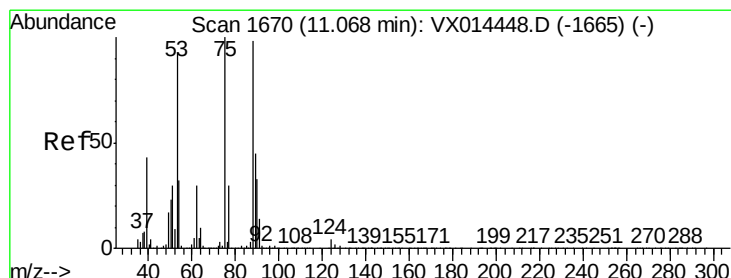
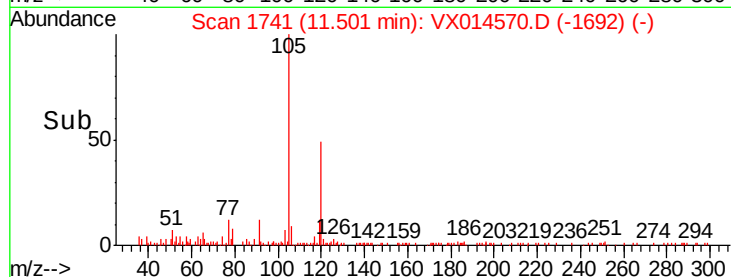
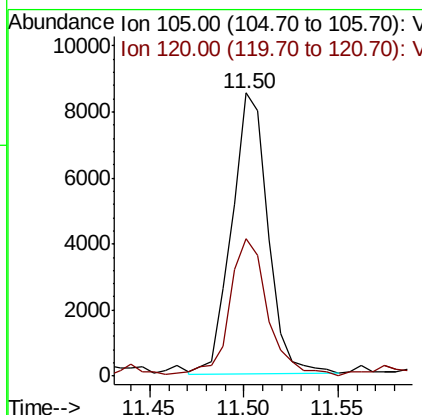
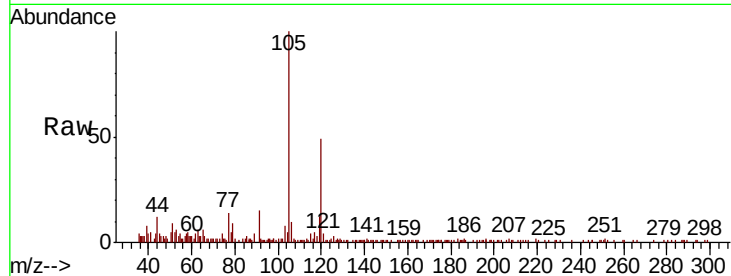




#80
 1,3,5-Trimethylbenzene
 Concen: 0.624 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014570.D
 Acq: 11 Jan 2020 05:09

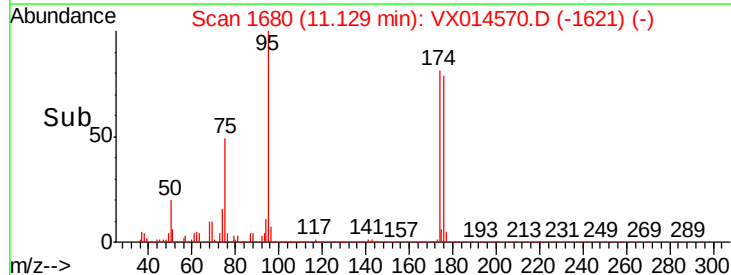
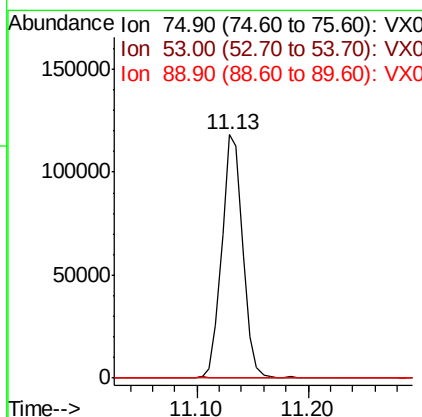
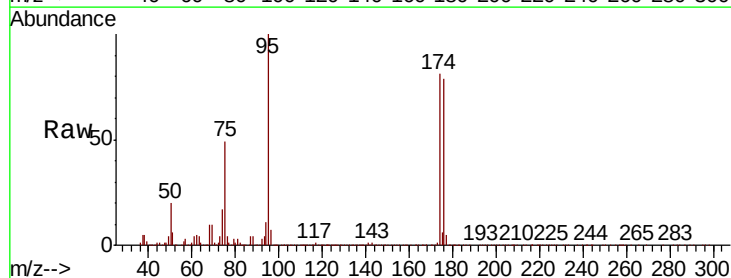
Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993ZHE#16

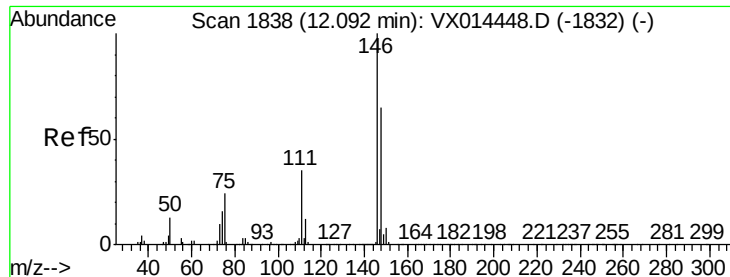
Tot Ion:105 Resp: 11267
 Ion Ratio Lower Upper
 105 100
 120 52.7 25.2 75.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.159 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX014570.D
 Acq: 11 Jan 2020 05:09

Tgt Ion: 75 Resp: 153074
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.8 112.2#
 89 0.0 36.3 54.5#

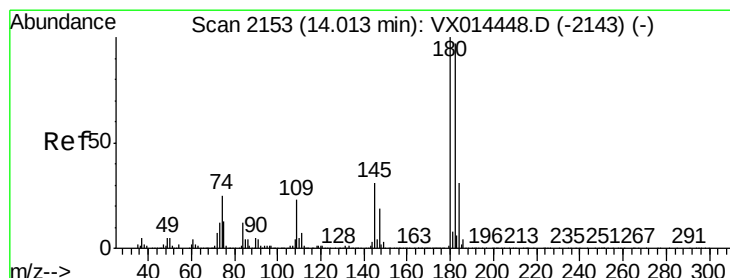
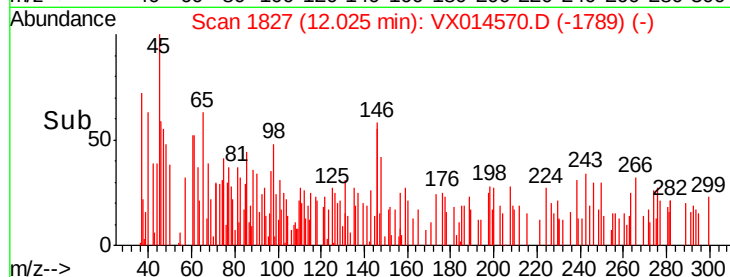
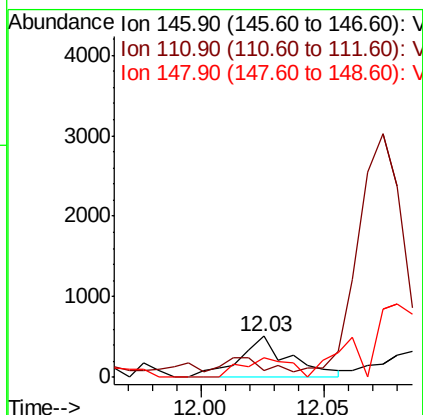
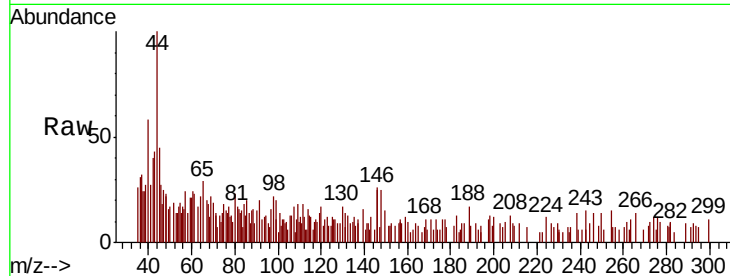




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.03 min Scan# 1827
 Delta R.T. -0.07 min
 Lab File: VX014570.D
 Acq: 11 Jan 2020 05:09

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993ZHE#16

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.1	54.1
148	46.5	32.1	96.3



#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014570.D
 Acq: 11 Jan 2020 05:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.9	143.6
145	0.0	14.8	44.3#

