

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011020\
 Data File : VX014555.D
 Acq On : 10 Jan 2020 23:20
 Operator : JC/SP
 Sample : PB125993TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993TB

Quant Time: Jan 11 00:43:31 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	493720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	767861	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	689772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	314365	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	276852	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	5.49	113	228344	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
50) Toluene-d8	8.71	98	918311	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.13	95	311808	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	

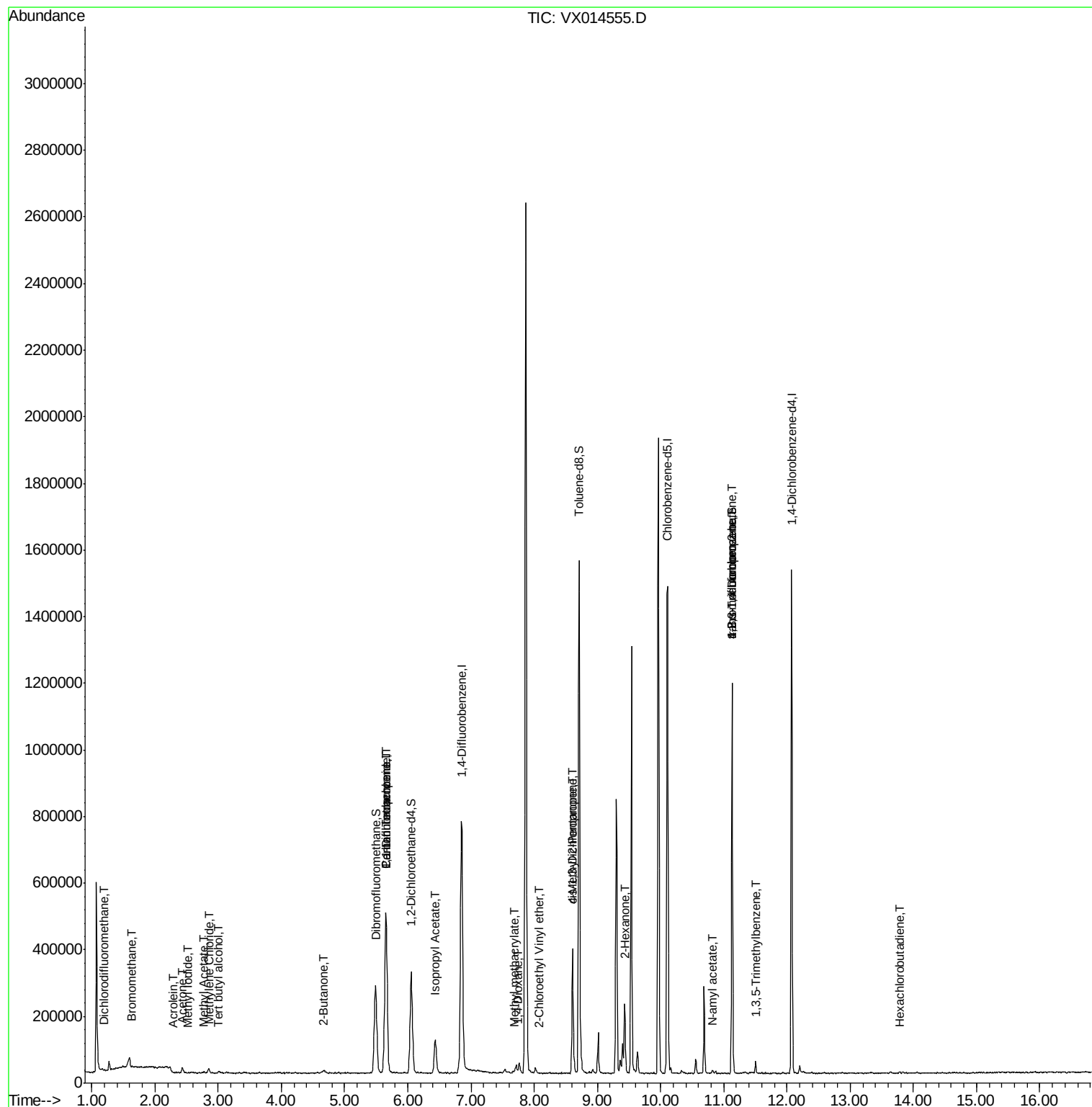
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	330	0.306	ug/l	84
5) Bromomethane	1.64	94	1888	0.406	ug/l	94
6) Chloroethane	1.74	64	921	Below Cal	#	43
10) Methyl Iodide	2.51	142	1417	0.245	ug/l #	88
11) Tert butyl alcohol	3.01	59	2825	2.455	ug/l #	72
13) Acrolein	2.29	56	326	0.353	ug/l	87
16) Acetone	2.43	43	17872	2.327	ug/l	94
18) Methyl Acetate	2.76	43	4597	0.580	ug/l #	73
20) Methylene Chloride	2.85	84	7231	1.304	ug/l #	90
25) 2-Butanone	4.67	43	4658	1.131	ug/l #	55
36) 1,1-Dichloropropene	5.65	75	33356	4.619	ug/l #	50
38) Carbon Tetrachloride	5.65	117	43255	6.509	ug/l #	19
43) Isopropyl Acetate	6.43	43	135688	10.709	ug/l	99
48) Methyl methacrylate	7.67	41	7481	1.233	ug/l #	17
49) 1,4-Dioxane	7.74	88	605	4.705	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	135569	17.558	ug/l #	50
54) cis-1,3-Dichloropropene	8.61	75	63440	7.269	ug/l #	59
58) 2-Chloroethyl Vinyl ether	8.07	63	656	0.228	ug/l	93
59) 2-Hexanone	9.43	43	165853	27.148	ug/l #	23
74) N-amyl acetate	10.82	43	5441	0.559	ug/l #	49
76) 1,2,3-Trichloropropane	11.13	75	150383	23.121	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.50	105	14741	0.804	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.13	75	150383	61.127	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	1309	Below Cal	#	1
94) Hexachlorobutadiene	13.78	225	506	0.204	ug/l	82
96) 1,2,3-Trichlorobenzene	14.01	180	972	Below Cal	#	89

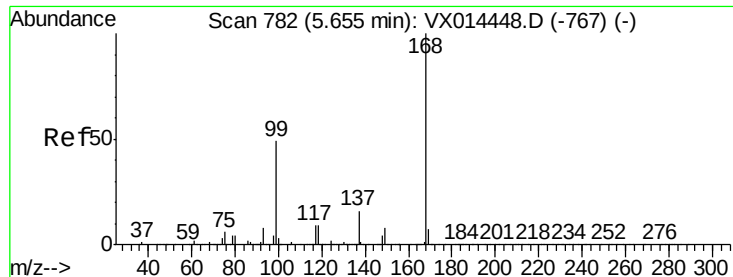
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011020\
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Quant Time: Jan 11 00:43:31 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: VX014555.D

Acq: 10 Jan 2020 23:20

Instrument :

MSVOA_X

ClientSampleId :

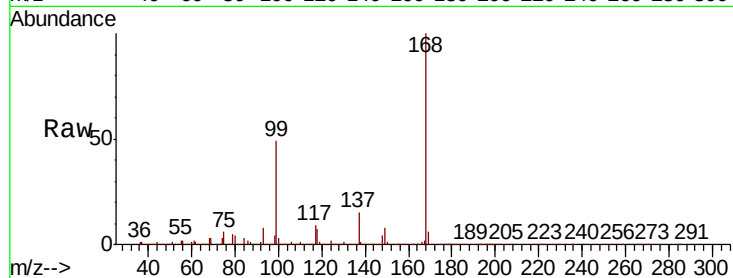
PB125993TB

Tot Ion:168 Resp: 493720

Ion Ratio Lower Upper

168 100

99 48.9 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

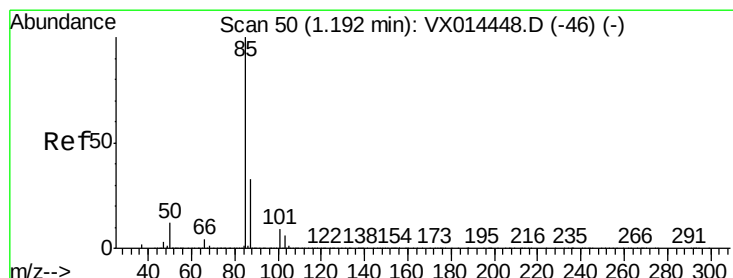
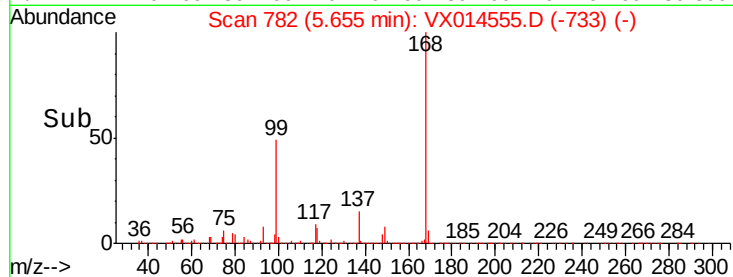
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.306 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014555.D

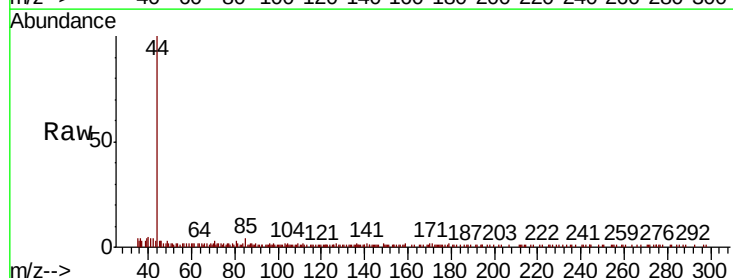
Acq: 10 Jan 2020 23:20

Tgt Ion: 85 Resp: 330

Ion Ratio Lower Upper

85 100

87 24.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400

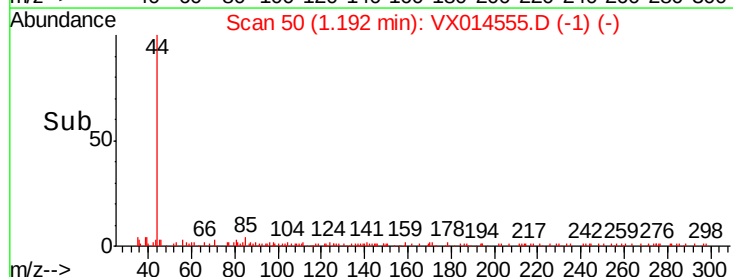
300

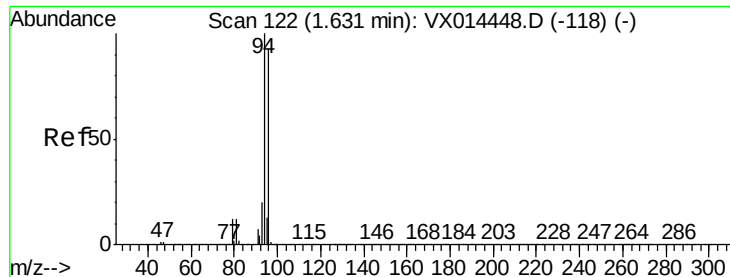
200

100

0

Time-->





#5

Bromomethane

Concen: 0.406 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014555.D

Acq: 10 Jan 2020 23:20

Instrument :

MSVOA_X

ClientSampled :

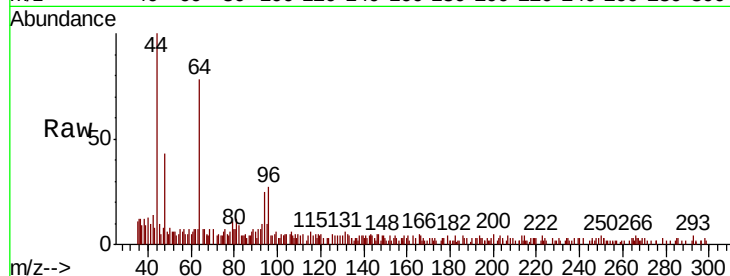
PB125993TB

Tot Ion: 94 Resp: 1888

Ion Ratio Lower Upper

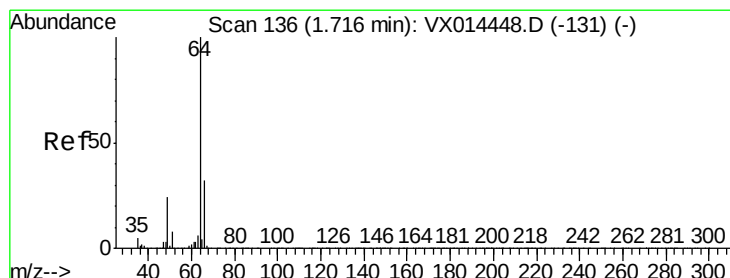
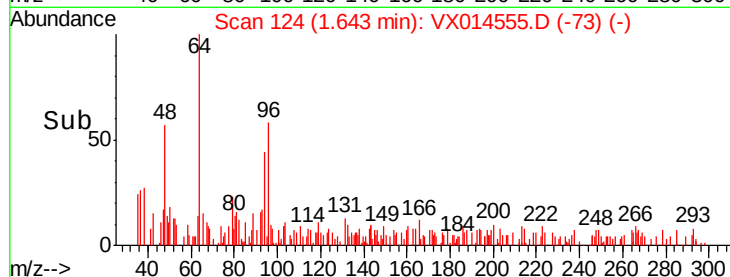
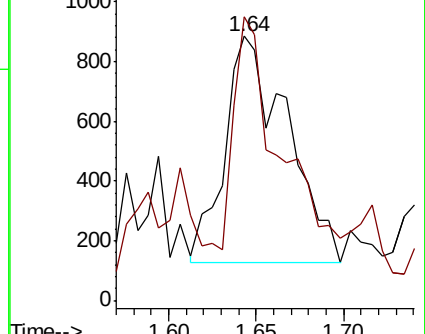
94 100

96 98.0 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 140

Delta R.T. 0.02 min

Lab File: VX014555.D

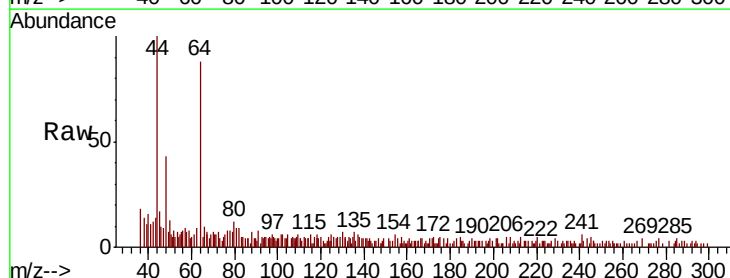
Acq: 10 Jan 2020 23:20

Tgt Ion: 64 Resp: 921

Ion Ratio Lower Upper

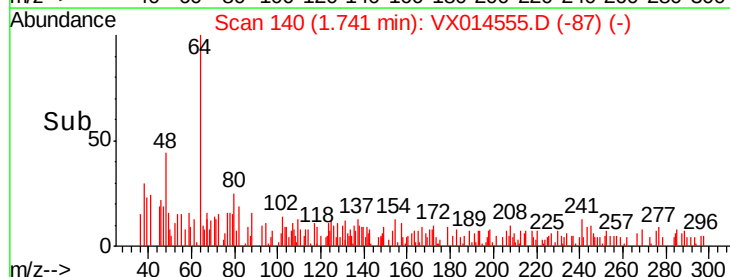
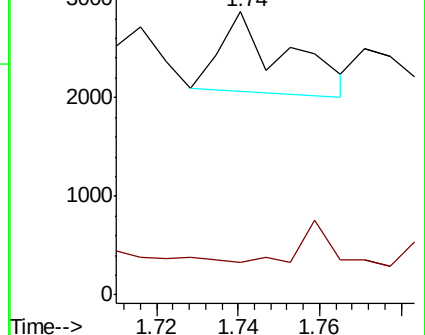
64 100

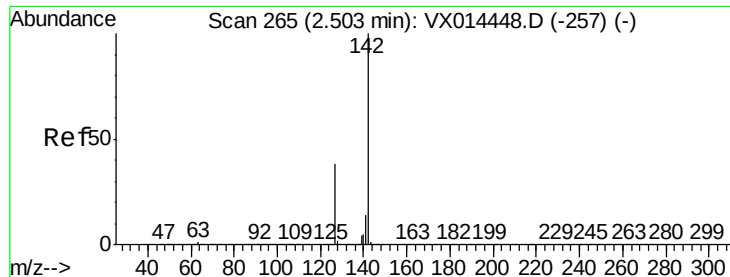
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

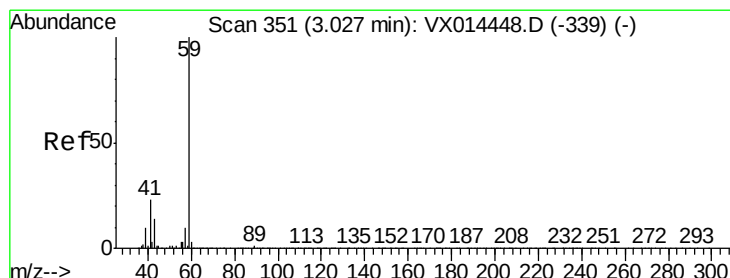
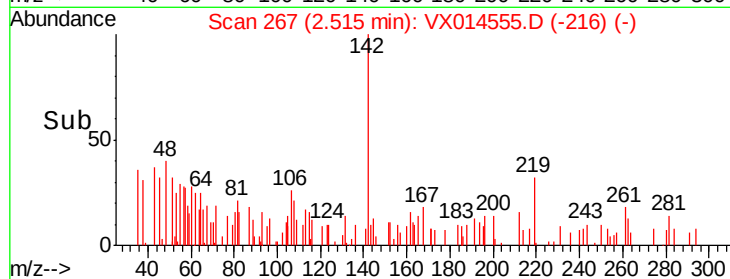
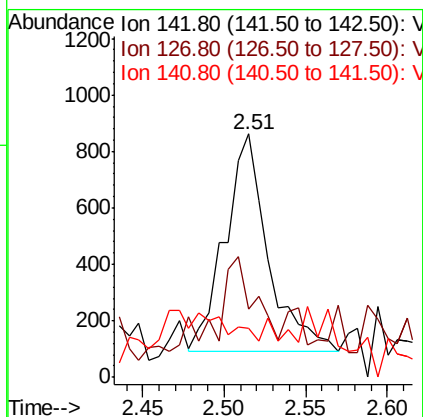
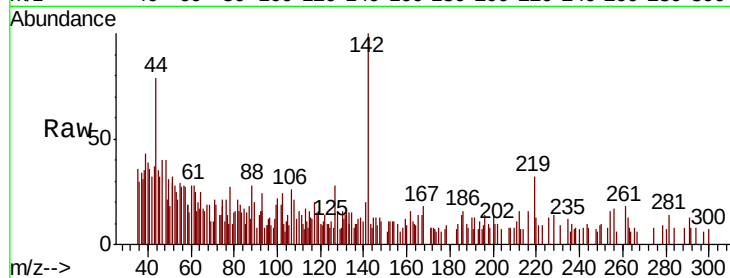




#10
Methvl Iodide
Concen: 0.245 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014555.D
Acq: 10 Jan 2020 23:20

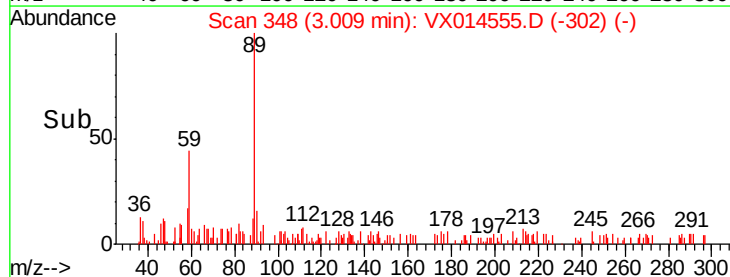
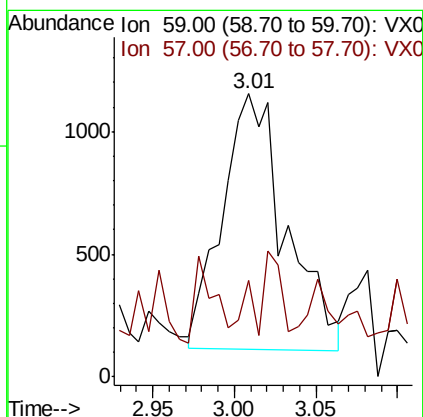
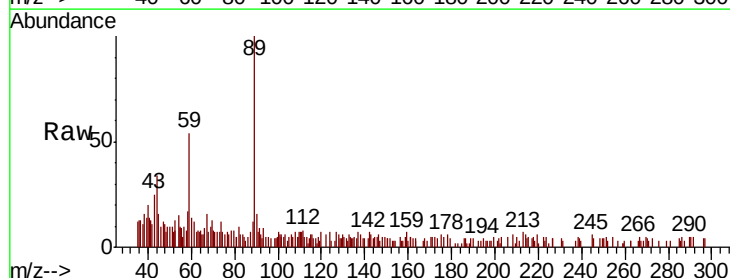
Instrument :
MSVOA_X
ClientSampleId :
PB125993TB

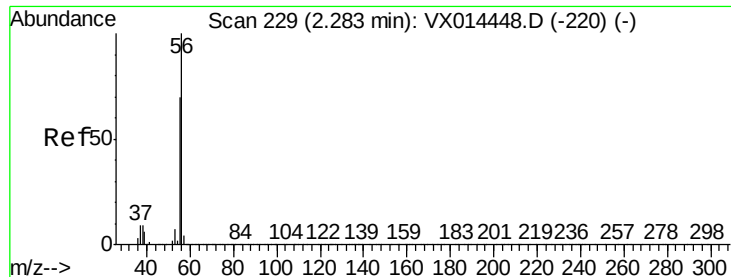
Tot Ion:142 Resp: 1417
Ion Ratio Lower Upper
142 100
127 40.8 31.2 46.8
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 2.455 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014555.D
Acq: 10 Jan 2020 23:20

Tgt Ion: 59 Resp: 2825
Ion Ratio Lower Upper
59 100
57 21.0 8.5 12.7#

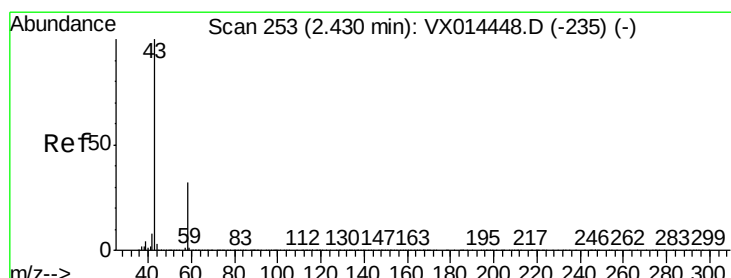
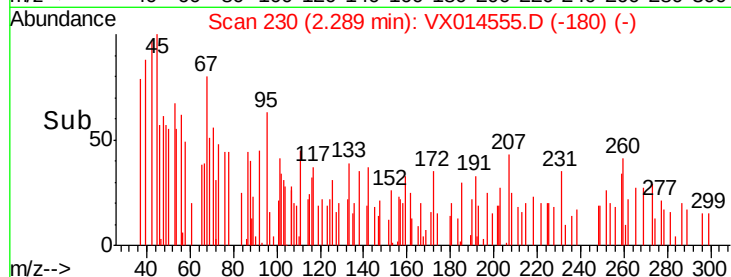
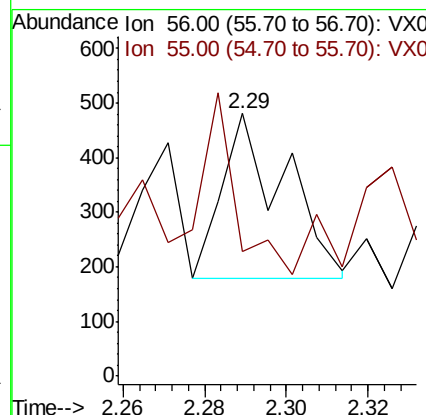
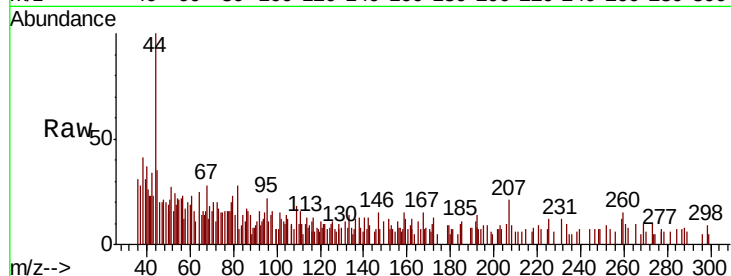




#13
Acrolein
Concen: 0.353 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX014555.D
Acq: 10 Jan 2020 23:20

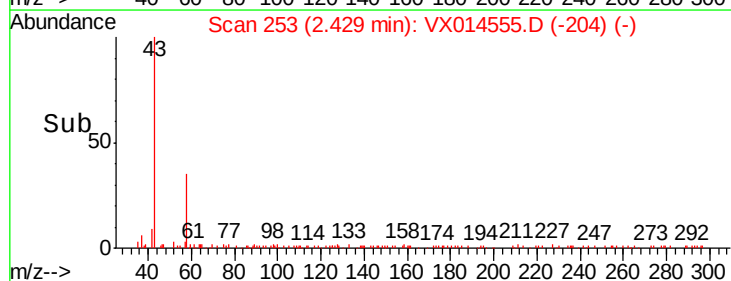
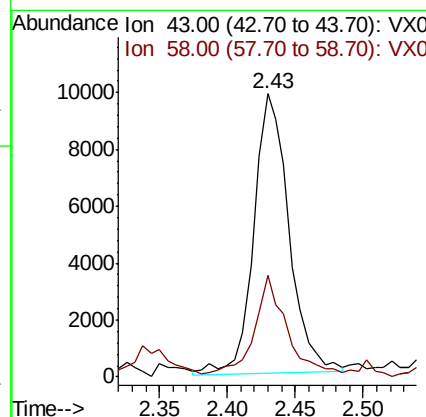
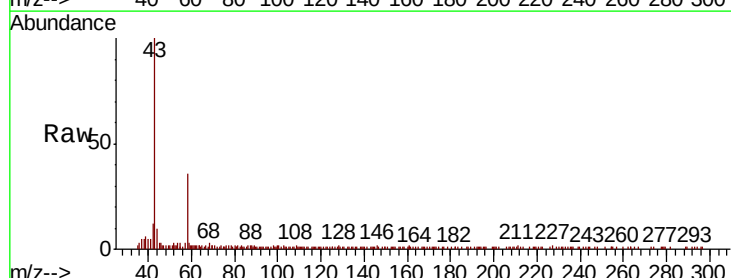
Instrument :
MSVOA_X
ClientSampleId :
PB125993TB

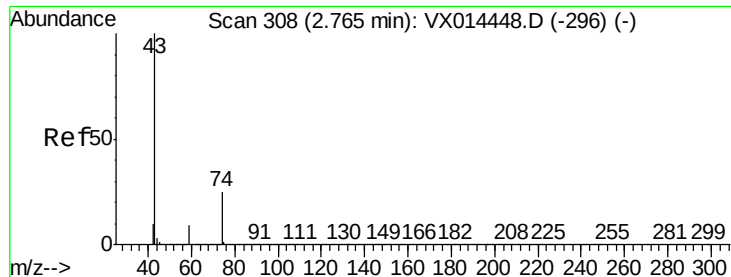
Tot Ion: 56 Resp: 326
Ion Ratio Lower Upper
56 100
55 58.6 55.0 82.6



#16
Acetone
Concen: 2.327 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014555.D
Acq: 10 Jan 2020 23:20

Tgt Ion: 43 Resp: 17872
Ion Ratio Lower Upper
43 100
58 34.9 25.4 38.0

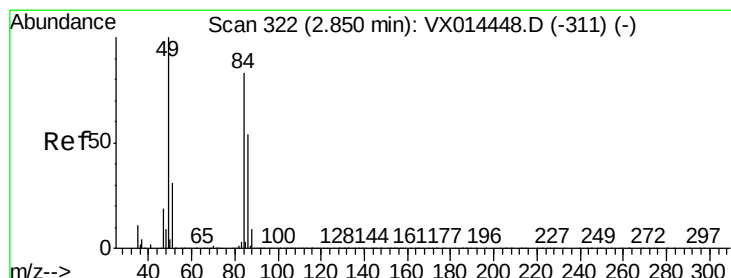
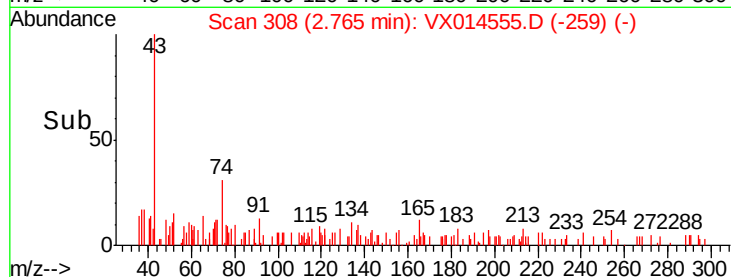
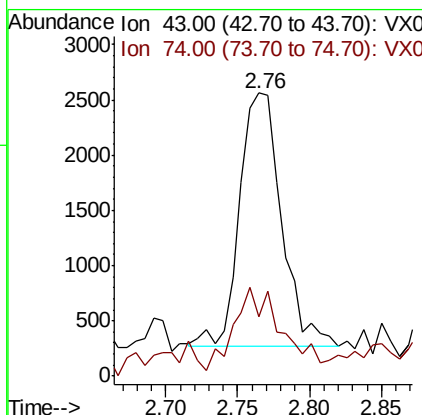
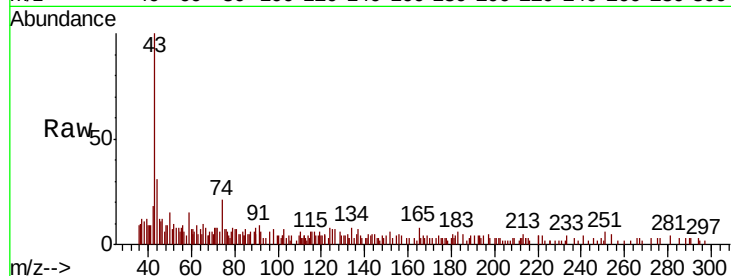




#18
Methyl Acetate
Concen: 0.580 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX014555.D
Acq: 10 Jan 2020 23:20

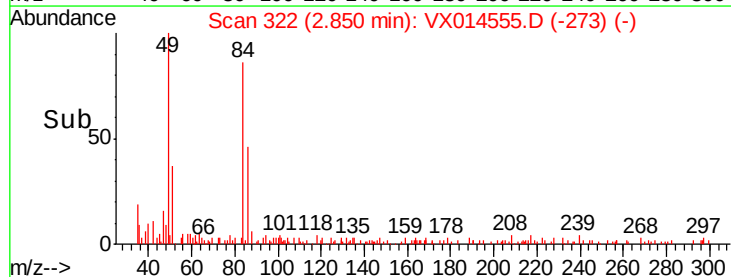
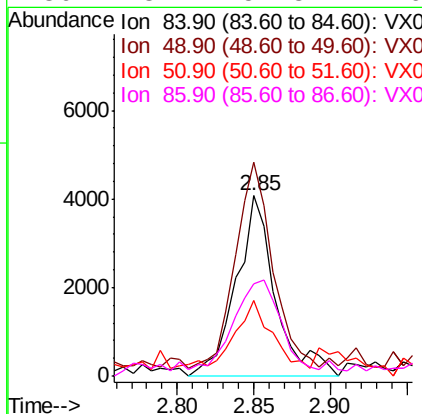
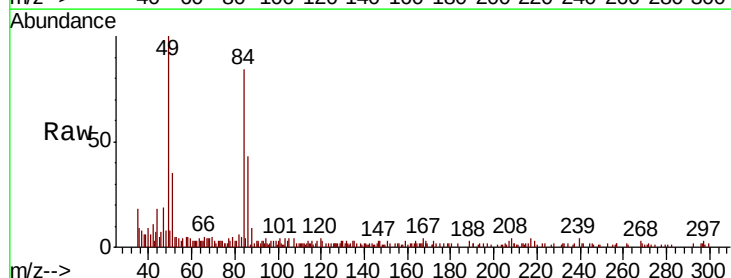
Instrument :
MSVOA_X
ClientSampleId :
PB125993TB

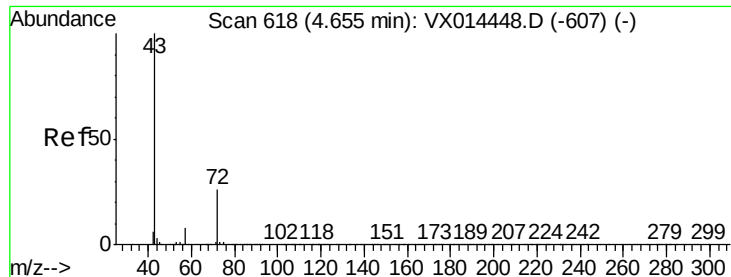
Tot Ion: 43 Resp: 4597
Ion Ratio Lower Upper
43 100
74 37.5 19.4 29.2#



#20
Methylene Chloride
Concen: 1.304 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014555.D
Acq: 10 Jan 2020 23:20

Tgt Ion: 84 Resp: 7231
Ion Ratio Lower Upper
84 100
49 114.2 95.8 143.8
51 35.5 30.2 45.4
86 48.1 51.8 77.6#





#25

2-Butanone

Concen: 1.131 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX014555.D

Acq: 10 Jan 2020 23:20

Instrument :

MSVOA_X

ClientSampled :

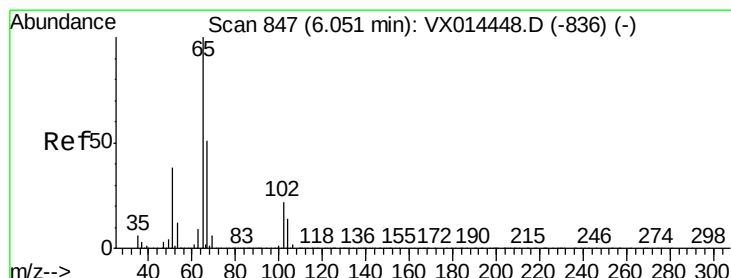
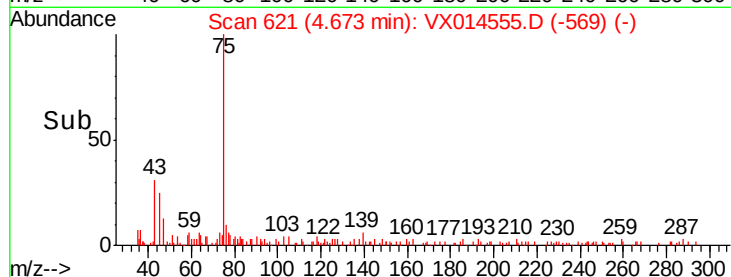
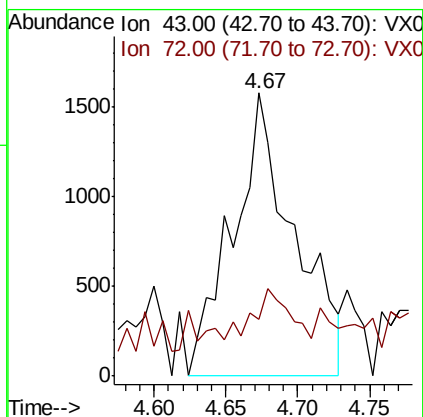
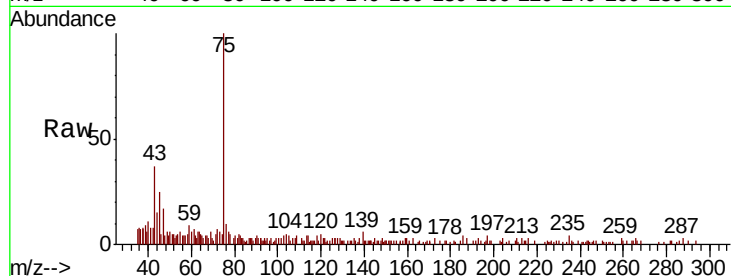
PB125993TB

Tot Ion: 43 Resp: 4658

Ion Ratio Lower Upper

43 100

72 3.1 20.6 31.0#



#33

1,2-Dichloroethane-d4

Concen: 50.231 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014555.D

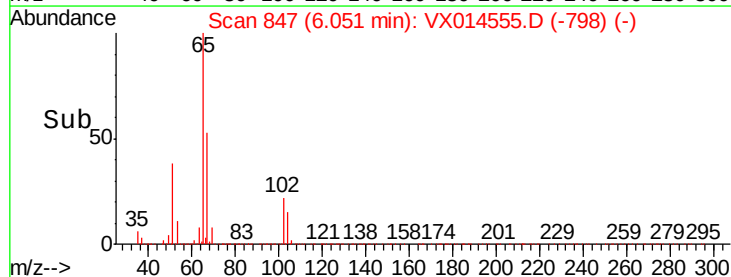
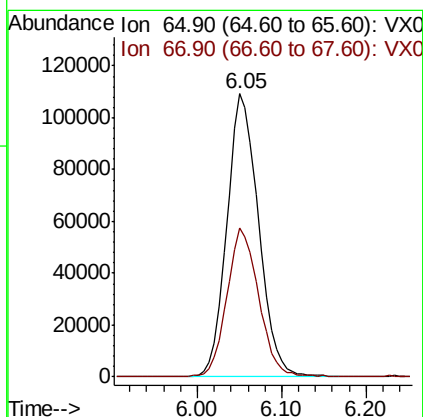
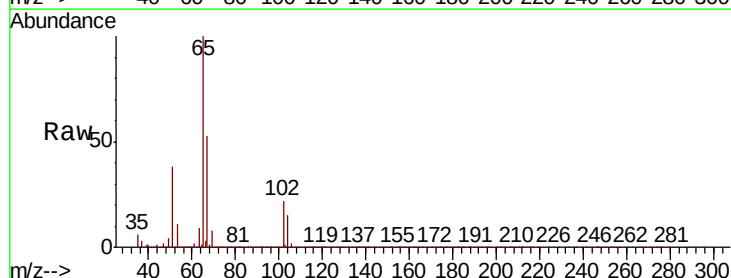
Acq: 10 Jan 2020 23:20

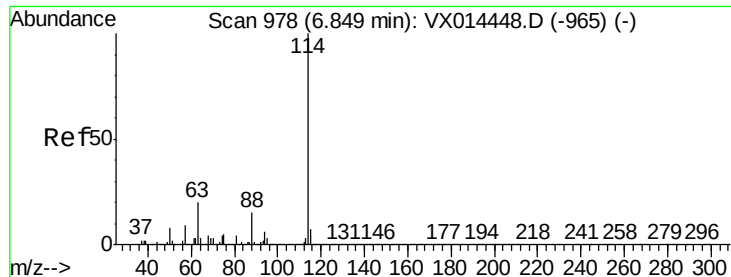
Tgt Ion: 65 Resp: 276852

Ion Ratio Lower Upper

65 100

67 52.8 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: VX014555.D

Acq: 10 Jan 2020 23:20

Instrument :

MSVOA_X

ClientSampleId :

PB125993TB

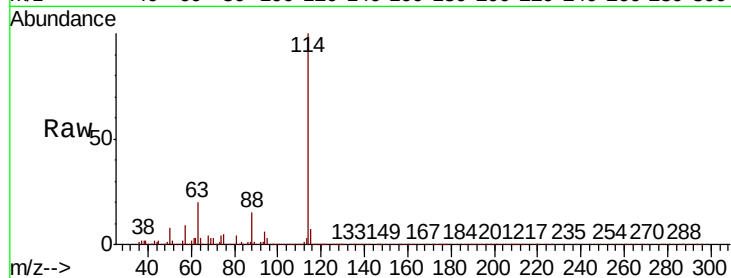
Tot Ion:114 Resp: 767861

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

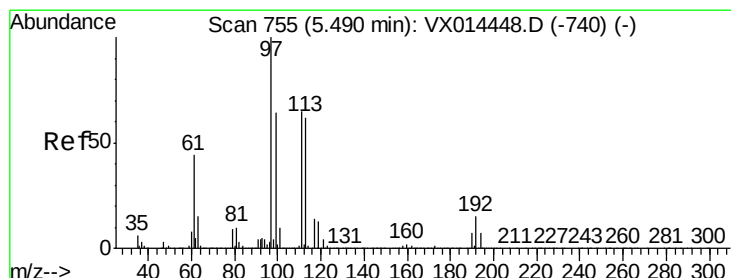
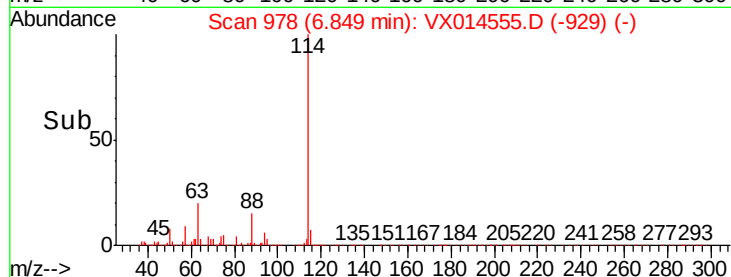
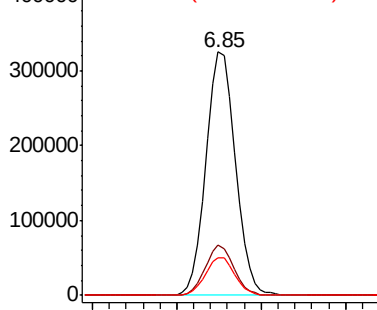
88 15.5 0.0 30.8



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: 49.125 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014555.D

Acq: 10 Jan 2020 23:20

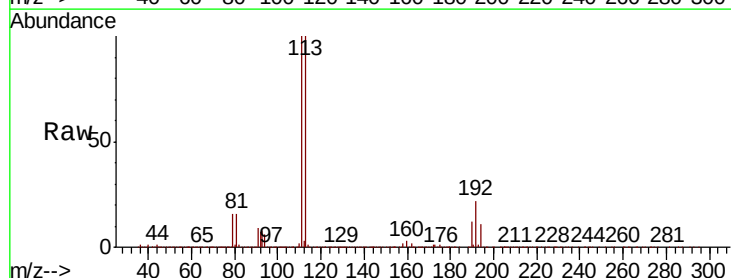
Tgt Ion:113 Resp: 228344

Ion Ratio Lower Upper

113 100

111 102.6 81.5 122.3

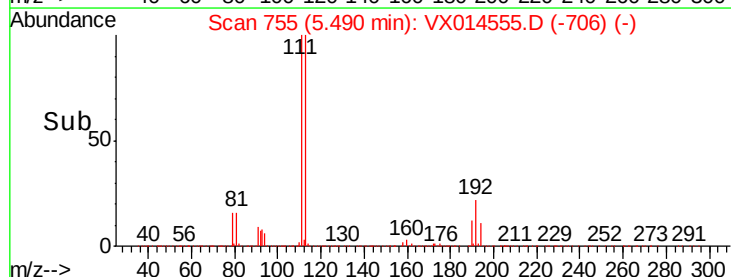
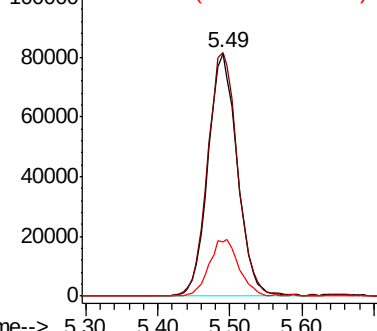
192 23.8 19.2 28.8

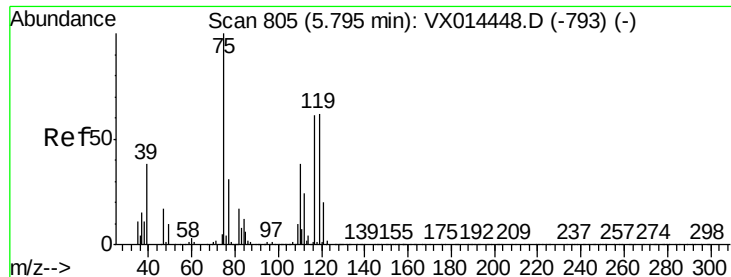


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.619 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014555.D

Acq: 10 Jan 2020 23:20

Instrument :

MSVOA_X

ClientSampleId :

PB125993TB

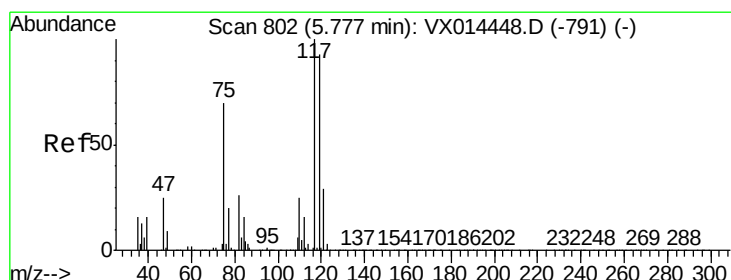
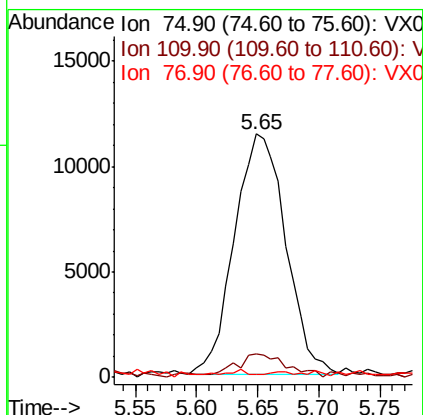
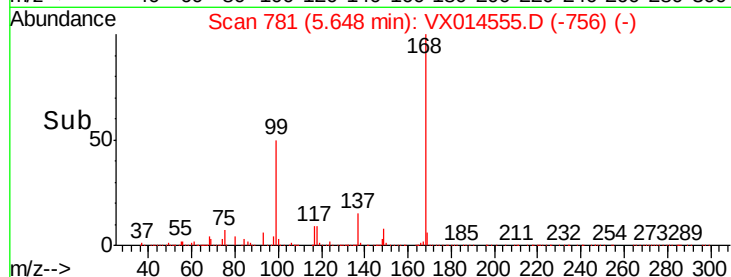
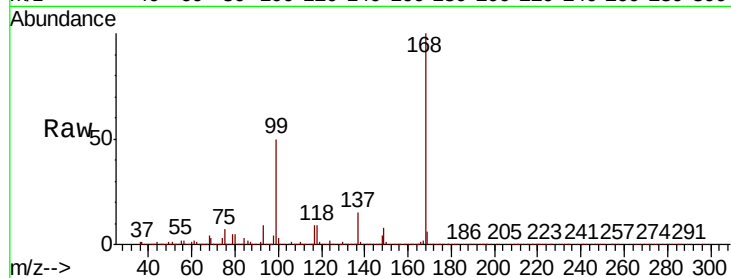
Tot Ion: 75 Resp: 33356

Ion Ratio Lower Upper

75 100

110 9.6 18.6 55.8#

77 0.7 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.509 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014555.D

Acq: 10 Jan 2020 23:20

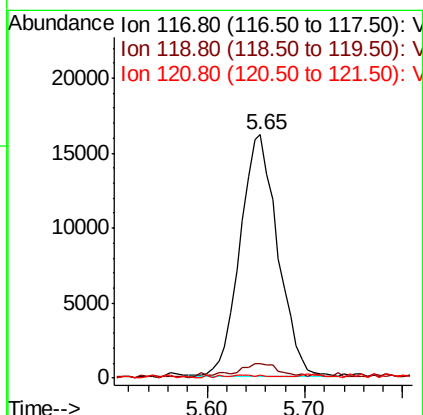
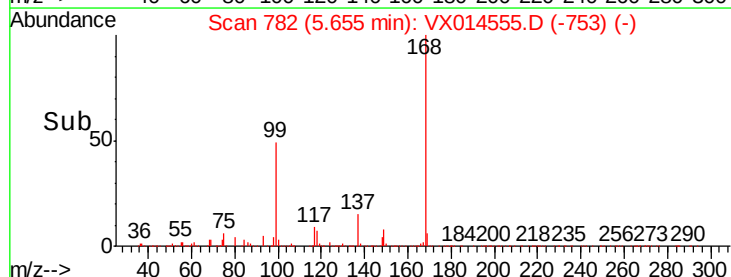
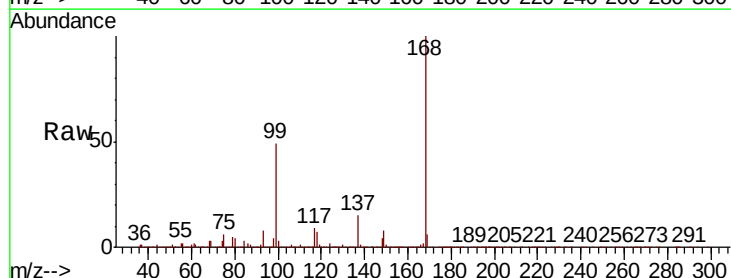
Tgt Ion: 117 Resp: 43255

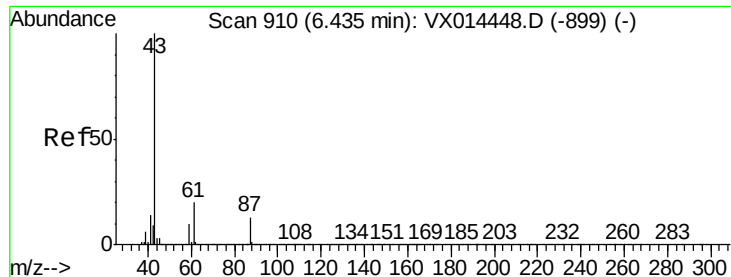
Ion Ratio Lower Upper

117 100

119 6.1 73.8 110.8#

121 0.8 23.4 35.0#



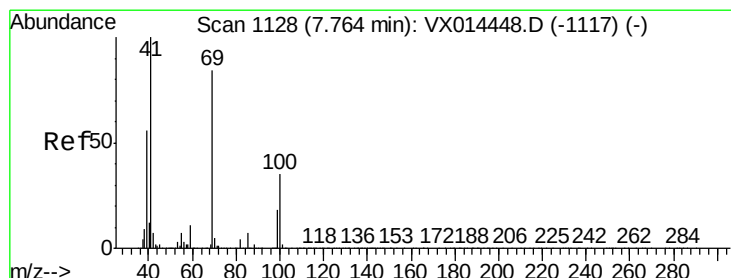
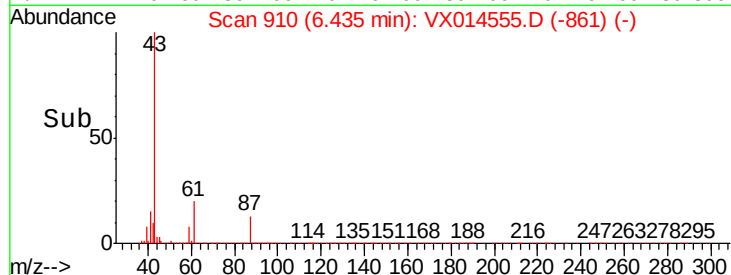
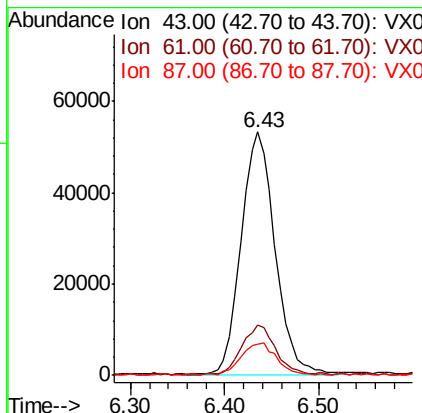
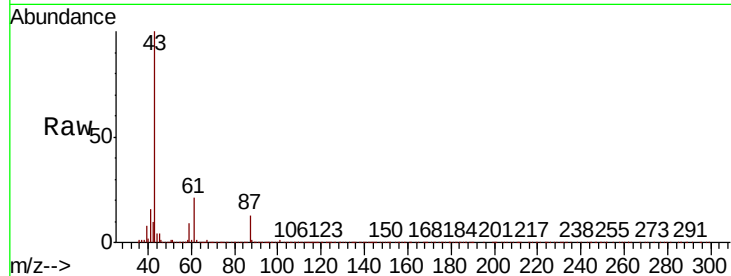


#43

Isopropyl Acetate
 Concen: 10.709 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX014555.D
 Acq: 10 Jan 2020 23:20

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993TB

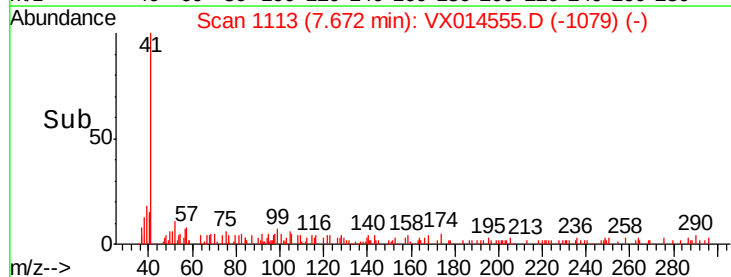
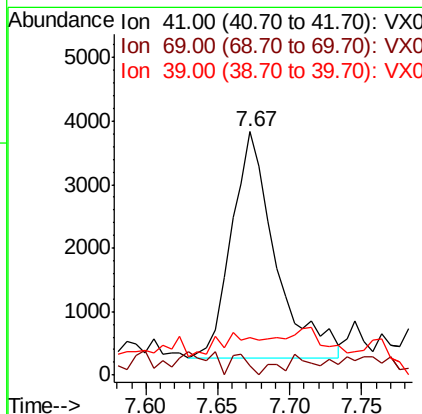
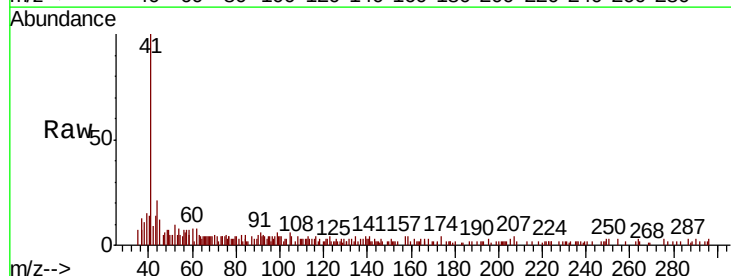
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.6	24.8
87	13.5	10.8	16.2

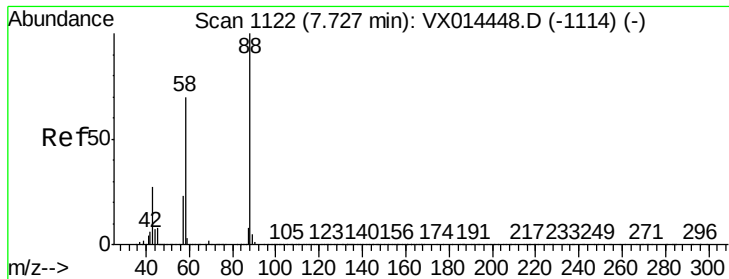


#48

Methyl methacrylate
 Concen: 1.233 ug/l
 RT: 7.67 min Scan# 1113
 Delta R.T. -0.09 min
 Lab File: VX014555.D
 Acq: 10 Jan 2020 23:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	3.8	65.5	98.3#
39	0.0	43.9	65.9#

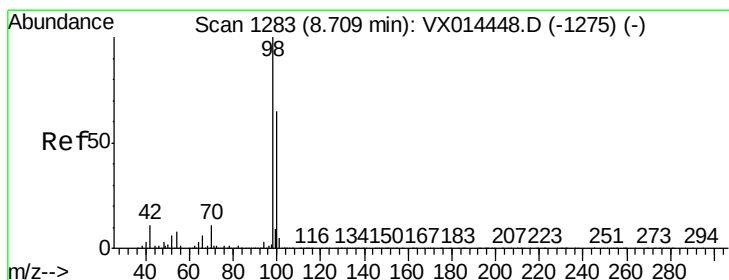
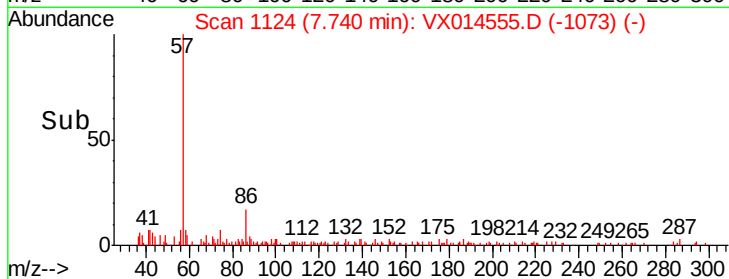
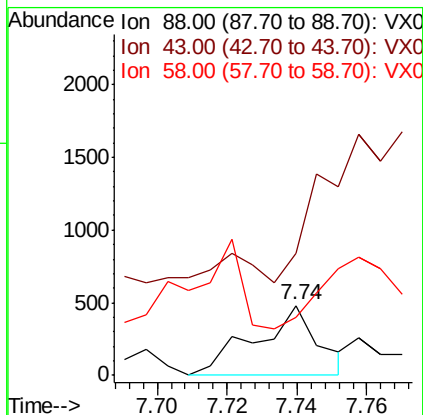
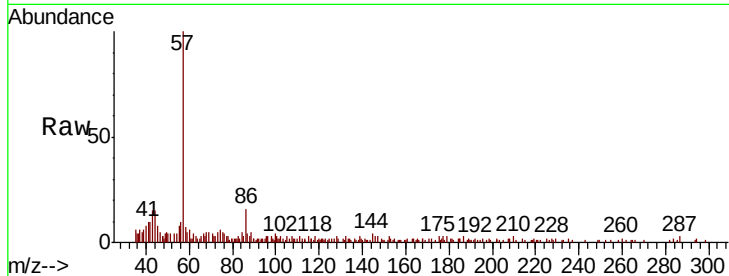




#49
1,4-Dioxane
Concen: 4.705 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014555.D
Acq: 10 Jan 2020 23:20

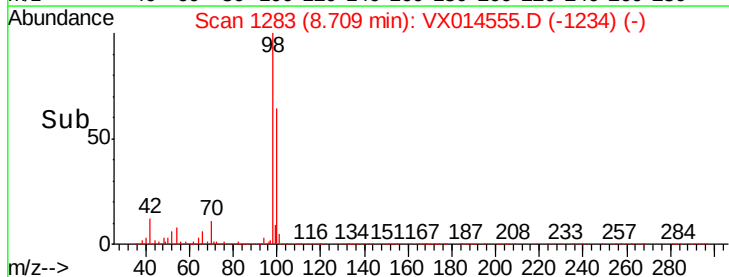
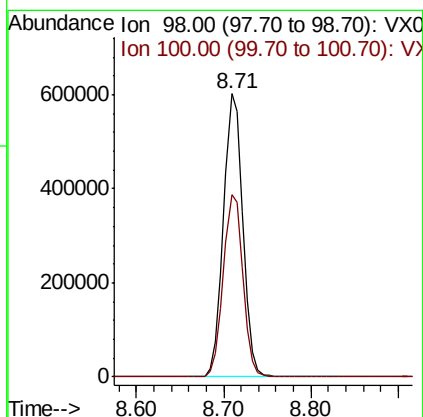
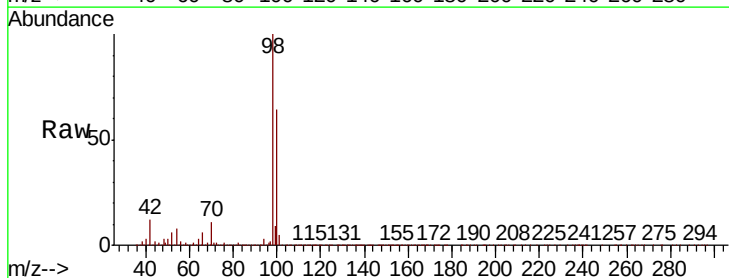
Instrument :
MSVOA_X
ClientSampleId :
PB125993TB

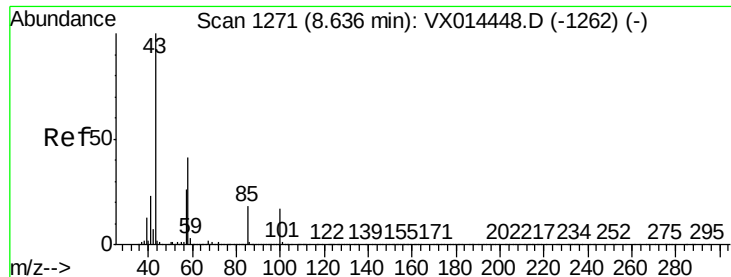
Tot Ion: 88 Resp: 605
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 200.0 57.1 85.7#



#50
Toluene-d8
Concen: 50.910 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014555.D
Acq: 10 Jan 2020 23:20

Tgt Ion: 98 Resp: 918311
Ion Ratio Lower Upper
98 100
100 65.4 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 17.558 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014555.D

Acq: 10 Jan 2020 23:20

Instrument :

MSVOA_X

ClientSampleId :

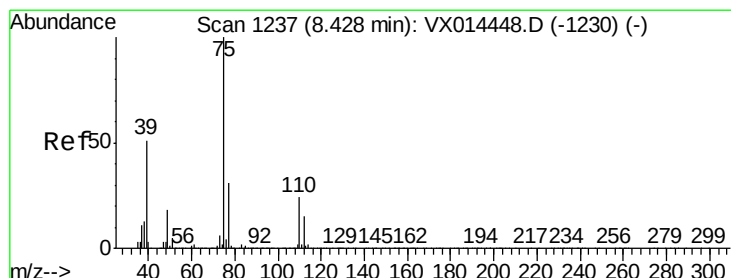
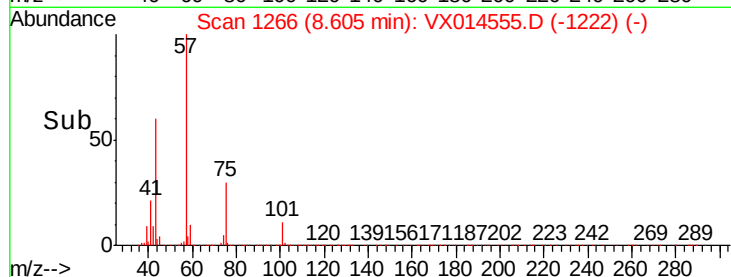
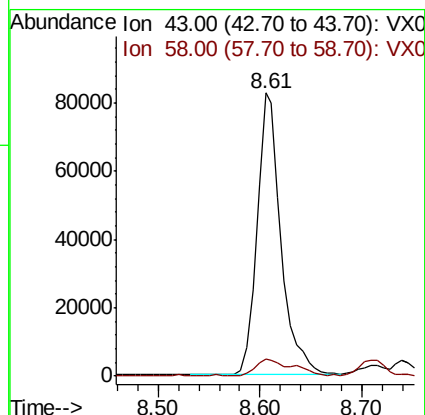
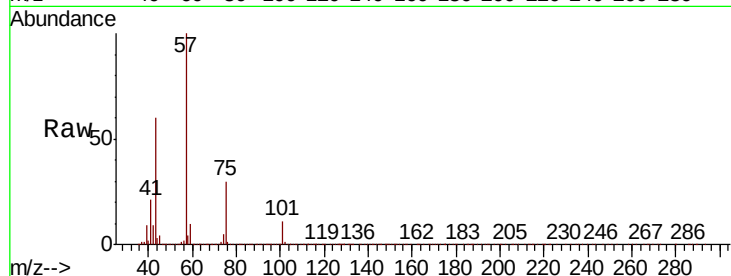
PB125993TB

Tot Ion: 43 Resp: 135569

Ion Ratio Lower Upper

43 100

58 9.6 32.4 48.6#



#54

cis-1,3-Dichloropropene

Concen: 7.269 ug/l

RT: 8.61 min Scan# 1267

Delta R.T. 0.18 min

Lab File: VX014555.D

Acq: 10 Jan 2020 23:20

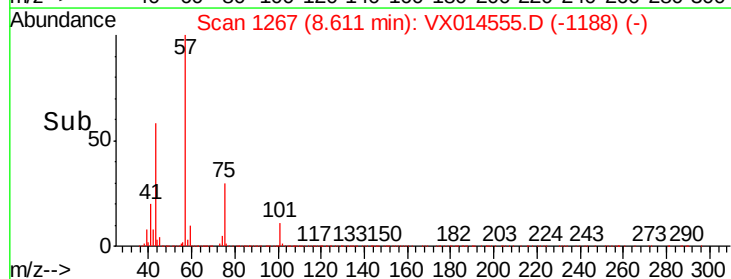
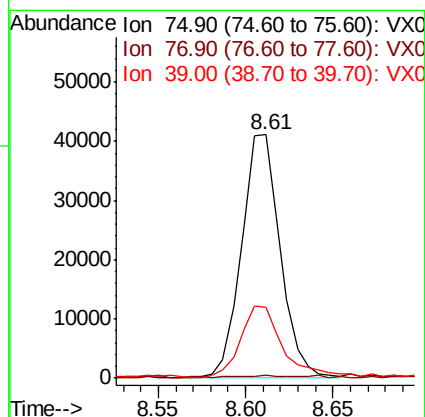
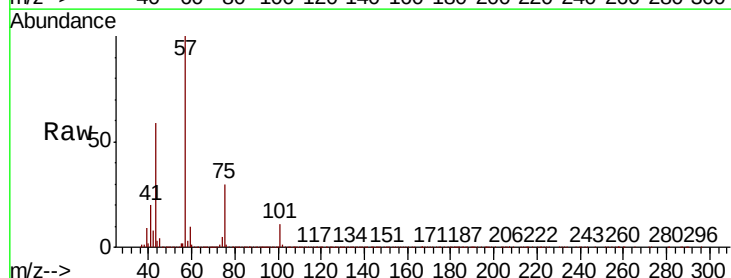
Tgt Ion: 75 Resp: 63440

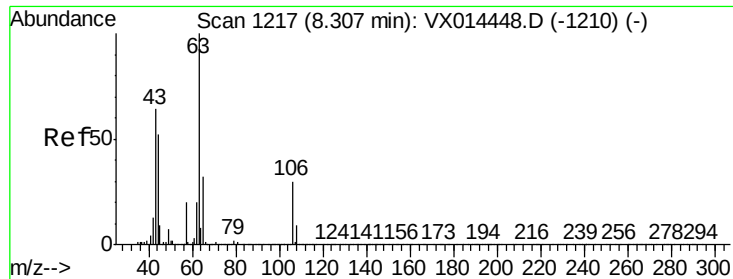
Ion Ratio Lower Upper

75 100

77 0.6 25.0 37.4#

39 28.8 40.7 61.1#

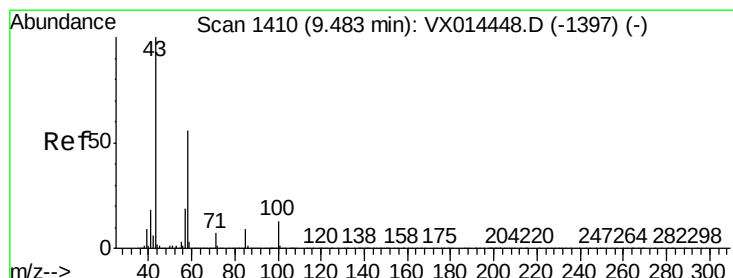
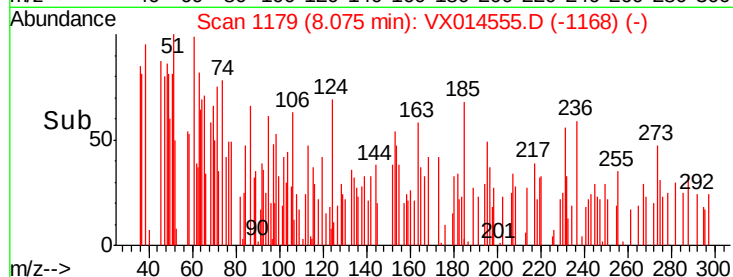
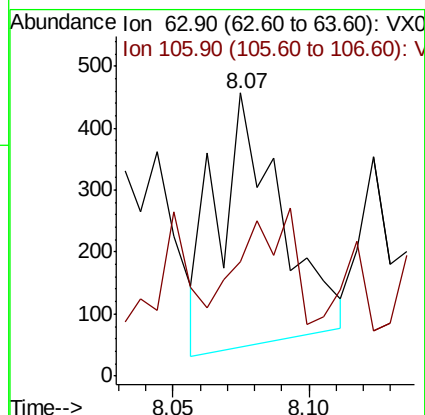
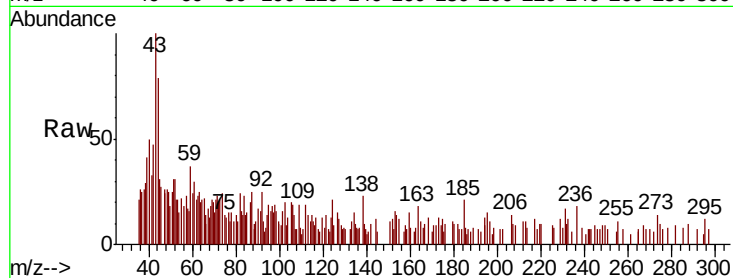




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.228 ug/l
 RT: 8.07 min Scan# 1179
 Delta R.T. -0.23 min
 Lab File: VX014555.D
 Acq: 10 Jan 2020 23:20

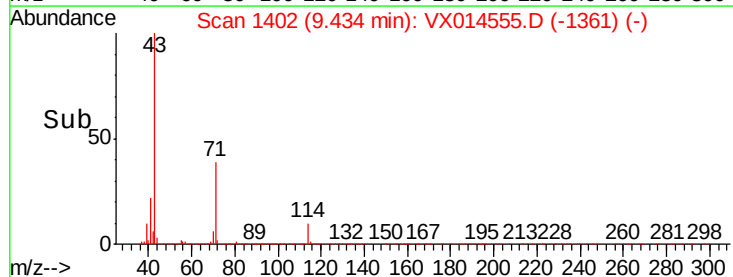
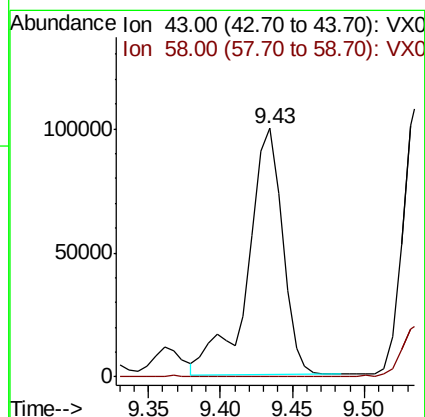
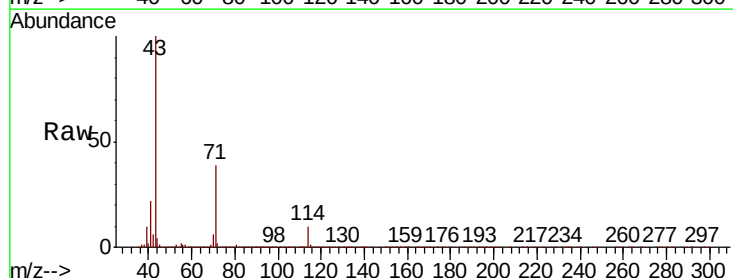
Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993TB

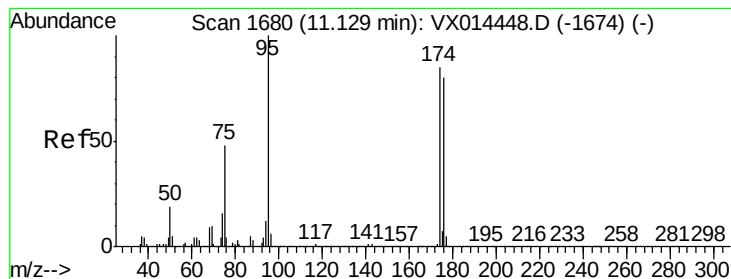
Tot Ion: 63 Resp: 656
 Ion Ratio Lower Upper
 63 100
 106 33.1 23.6 35.4



#59
 2-Hexanone
 Concen: 27.148 ug/l
 RT: 9.43 min Scan# 1402
 Delta R.T. -0.05 min
 Lab File: VX014555.D
 Acq: 10 Jan 2020 23:20

Tgt Ion: 43 Resp: 165853
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.9 83.7#





#62

4-Bromofluorobenzene

Concen: 47.087 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014555.D

Acq: 10 Jan 2020 23:20

Instrument :

MSVOA_X

ClientSampleId :

PB125993TB

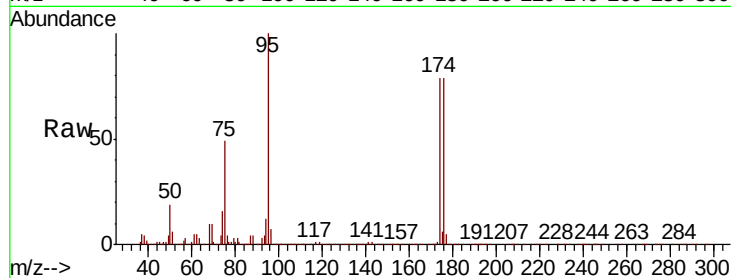
Tot Ion: 95 Resp: 311808

Ion Ratio Lower Upper

95 100

174 88.8 0.0 180.8

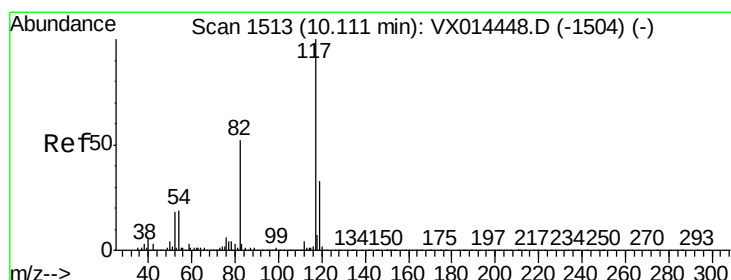
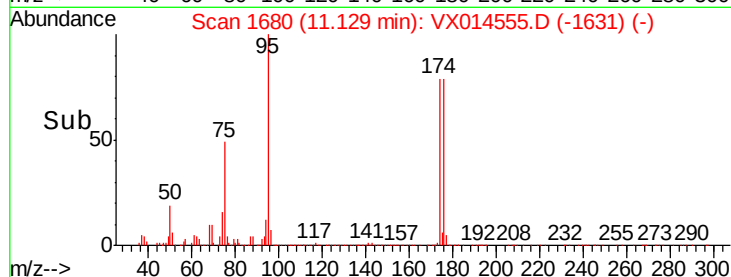
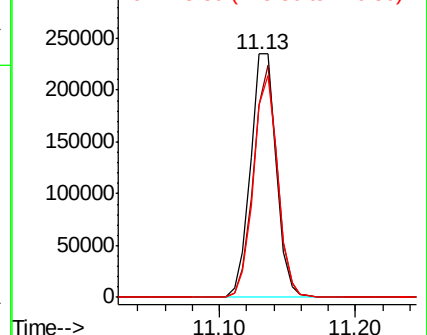
176 86.5 0.0 172.8



Abundance Ion 94.90 (94.60 to 95.60): VX014448.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX014448.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX014448.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014555.D

Acq: 10 Jan 2020 23:20

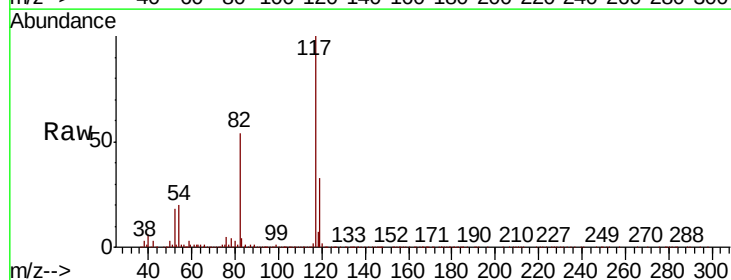
Tgt Ion: 117 Resp: 689772

Ion Ratio Lower Upper

117 100

82 53.6 41.8 62.6

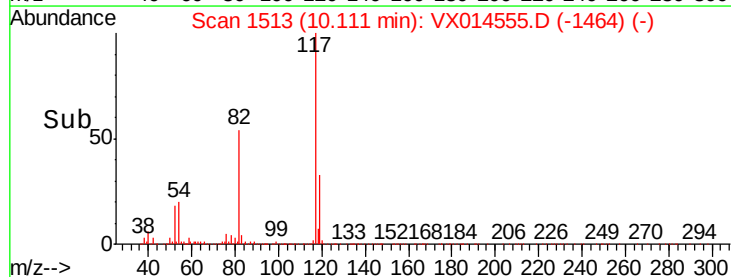
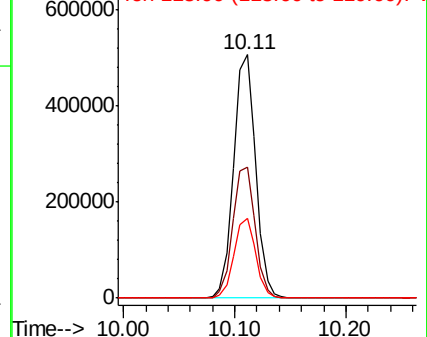
119 32.7 26.2 39.4

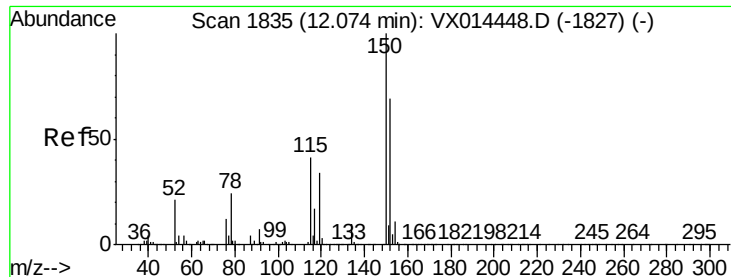


Abundance Ion 116.90 (116.60 to 117.60): VX014448.D (-1504) (-)

Ion 82.00 (81.70 to 82.70): VX014448.D (-1504) (-)

Ion 118.90 (118.60 to 119.60): VX014448.D (-1504) (-)



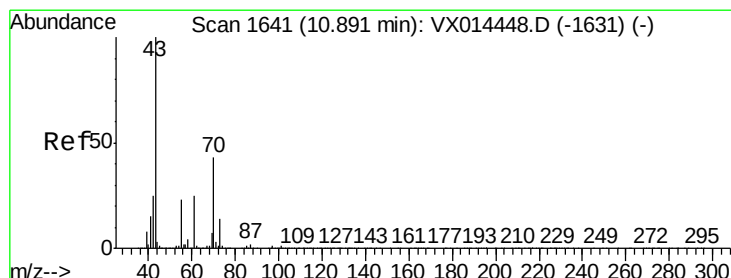
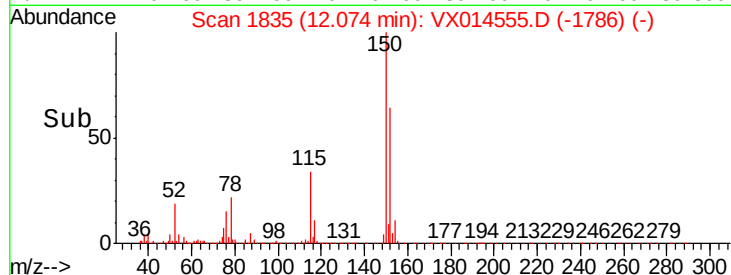
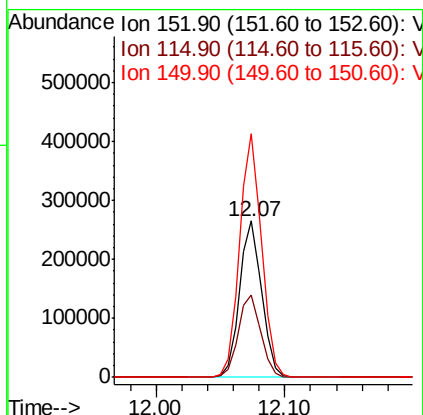
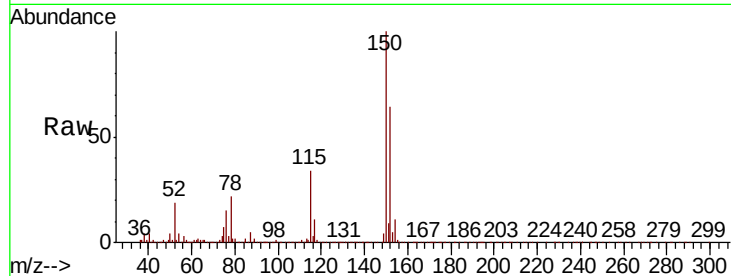


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014555.D
Acq: 10 Jan 2020 23:20

Instrument :
MSVOA_X
ClientSampled :
PB125993TB

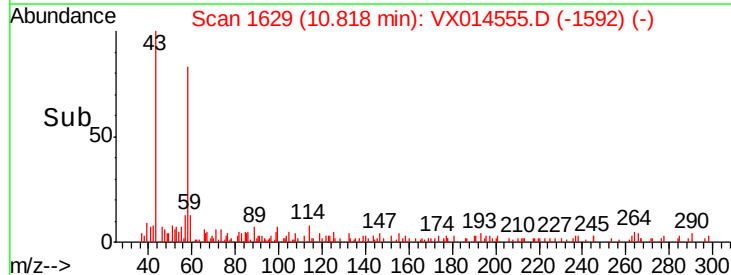
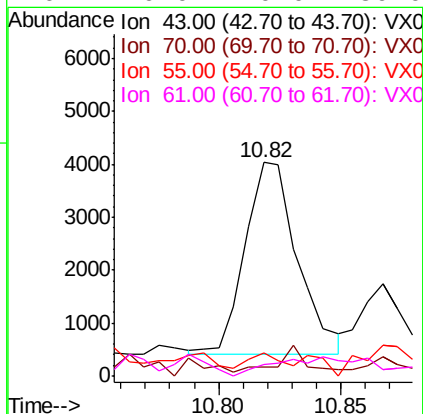
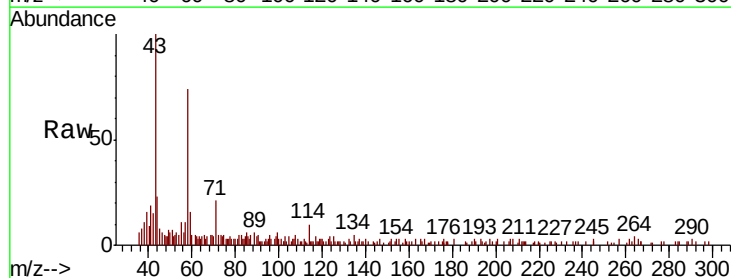
Tot Ion	Ratio	Lower	Upper
152	100		
115	53.9	39.5	118.3
150	154.9	0.0	350.2

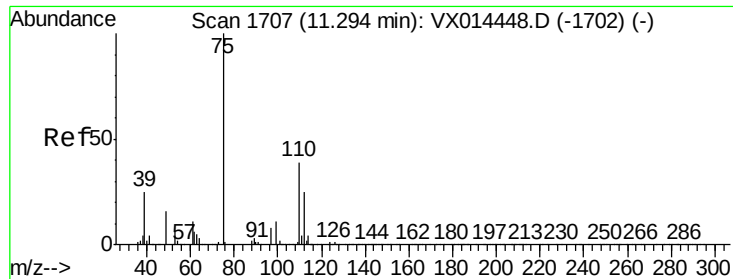


#74

N-ethyl acetate
Concen: 0.559 ug/l
RT: 10.82 min Scan# 1629
Delta R.T. -0.07 min
Lab File: VX014555.D
Acq: 10 Jan 2020 23:20

Tgt Ion	Ratio	Lower	Upper
43	100		
70	6.9	35.1	52.7#
55	4.0	19.3	28.9#
61	0.0	20.0	30.0#





#76

1,2,3-Trichloropropane

Concen: 23.121 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014555.D

Acq: 10 Jan 2020 23:20

Instrument :

MSVOA_X

ClientSampleId :

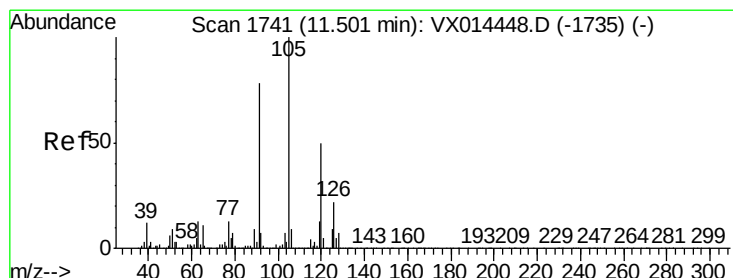
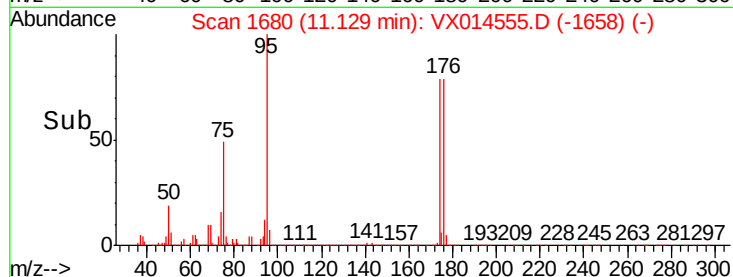
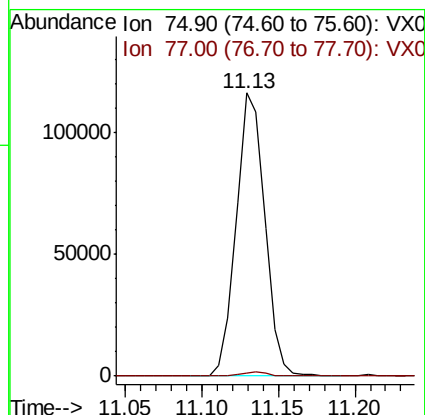
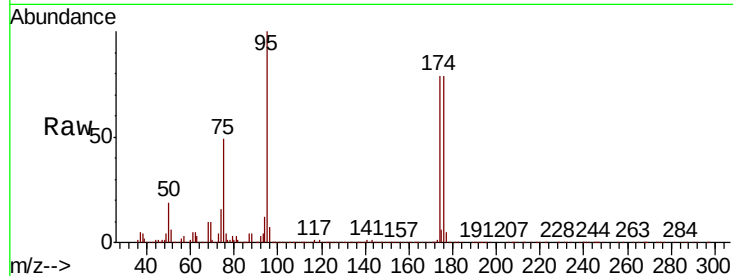
PB125993TB

Tot Ion: 75 Resp: 150383

Ion Ratio Lower Upper

75 100

77 1.5 21.9 65.7#



#80

1,3,5-Trimethylbenzene

Concen: 0.804 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014555.D

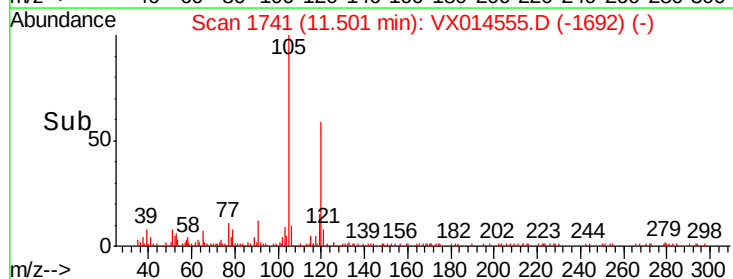
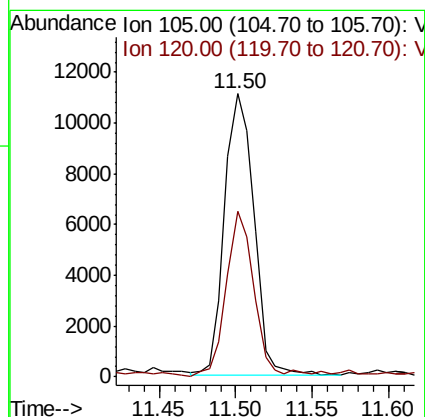
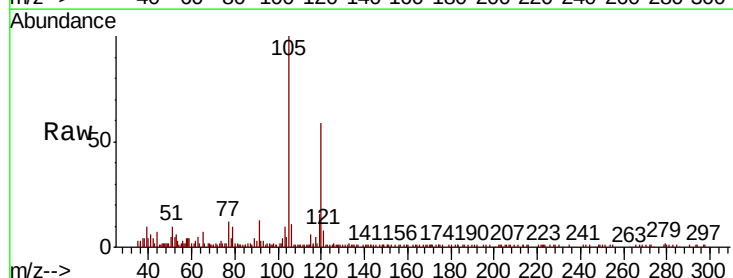
Acq: 10 Jan 2020 23:20

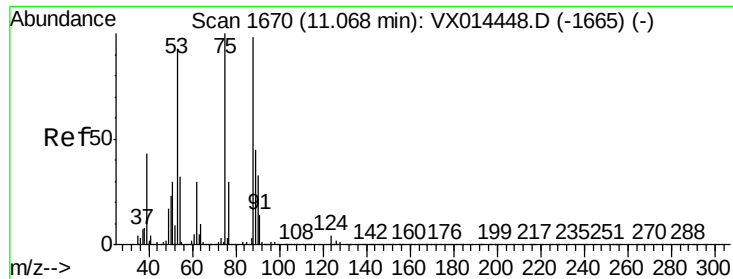
Tgt Ion:105 Resp: 14741

Ion Ratio Lower Upper

105 100

120 55.0 25.2 75.6

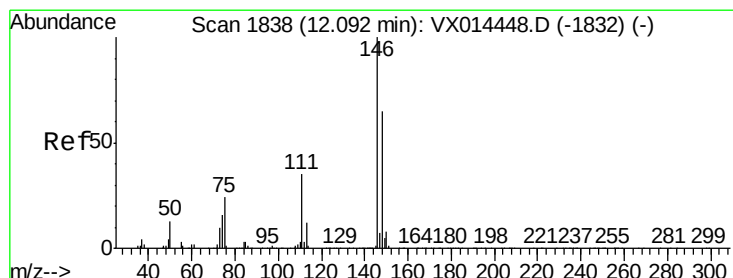
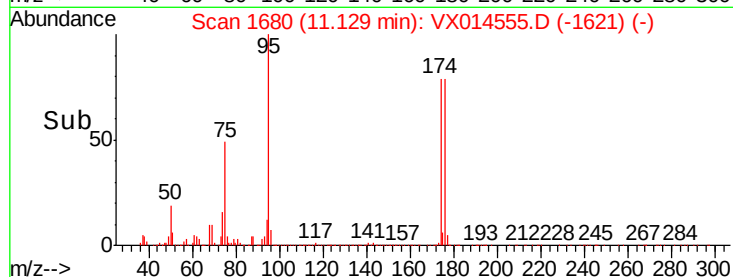
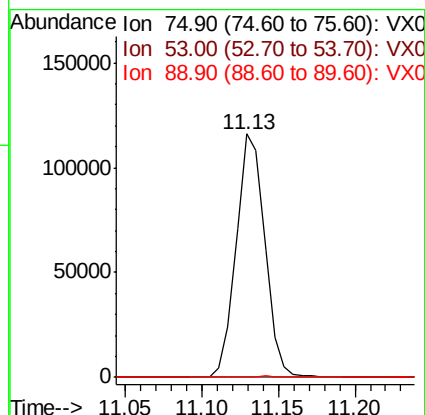
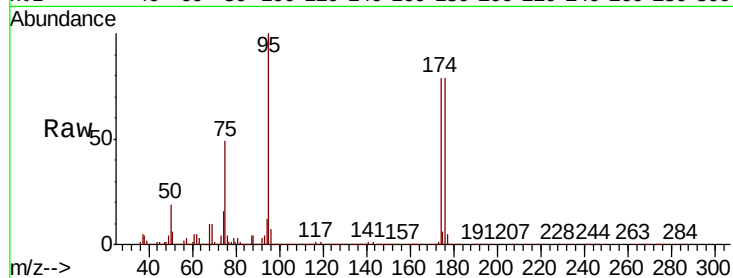




#81
trans-1,4-Dichloro-2-butene
Concen: 61.127 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014555.D
Acq: 10 Jan 2020 23:20

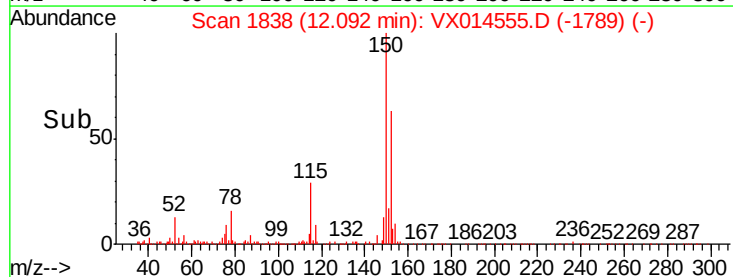
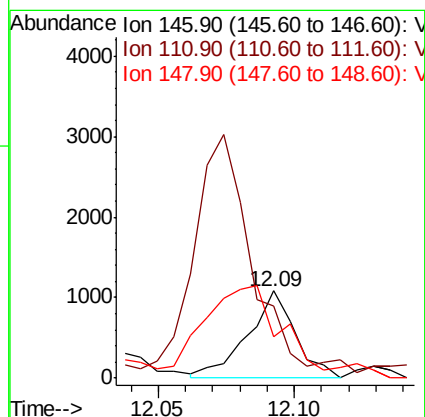
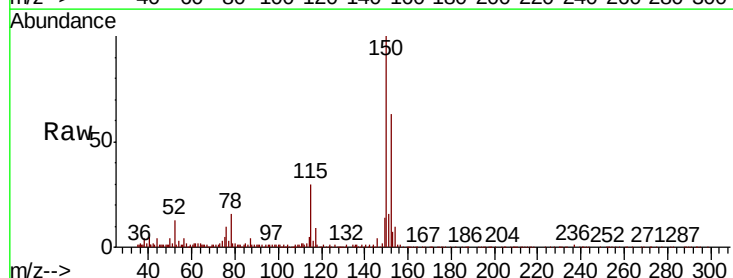
Instrument :
MSVOA_X
ClientSampled :
PB125993TB

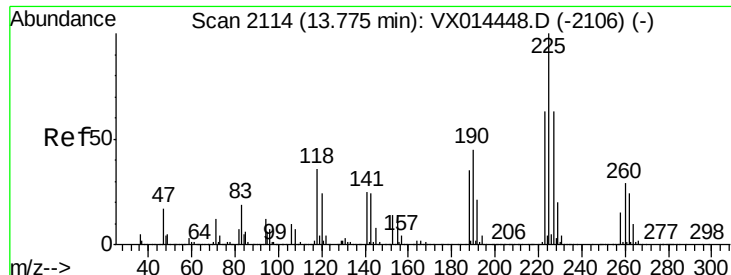
Tot Ion: 75 Resp: 150383
Ion Ratio Lower Upper
75 100
53 0.0 74.8 112.2#
89 0.2 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX014555.D
Acq: 10 Jan 2020 23:20

Tgt Ion: 146 Resp: 1309
Ion Ratio Lower Upper
146 100
111 329.0 18.1 54.1#
148 184.2 32.1 96.3#





#94

Hexachlorobutadiene

Concen: 0.204 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX014555.D

Acq: 10 Jan 2020 23:20

Instrument :

MSVOA_X

ClientSampleId :

PB125993TB

Tot Ion: 225 Resp: 506

Ion Ratio Lower Upper

225 100

223 81.6 31.1 93.2

227 54.0 31.4 94.2

