

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010920\
 Data File : VX014513.D
 Acq On : 09 Jan 2020 21:39
 Operator : JC/SP
 Sample : PB125963ZHE#06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125963ZHE#06

Quant Time: Jan 10 06:52:33 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	520341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	796176	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	718498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	331029	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	281821	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	5.48	113	237298	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	8.71	98	950127	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.14	95	326553	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	

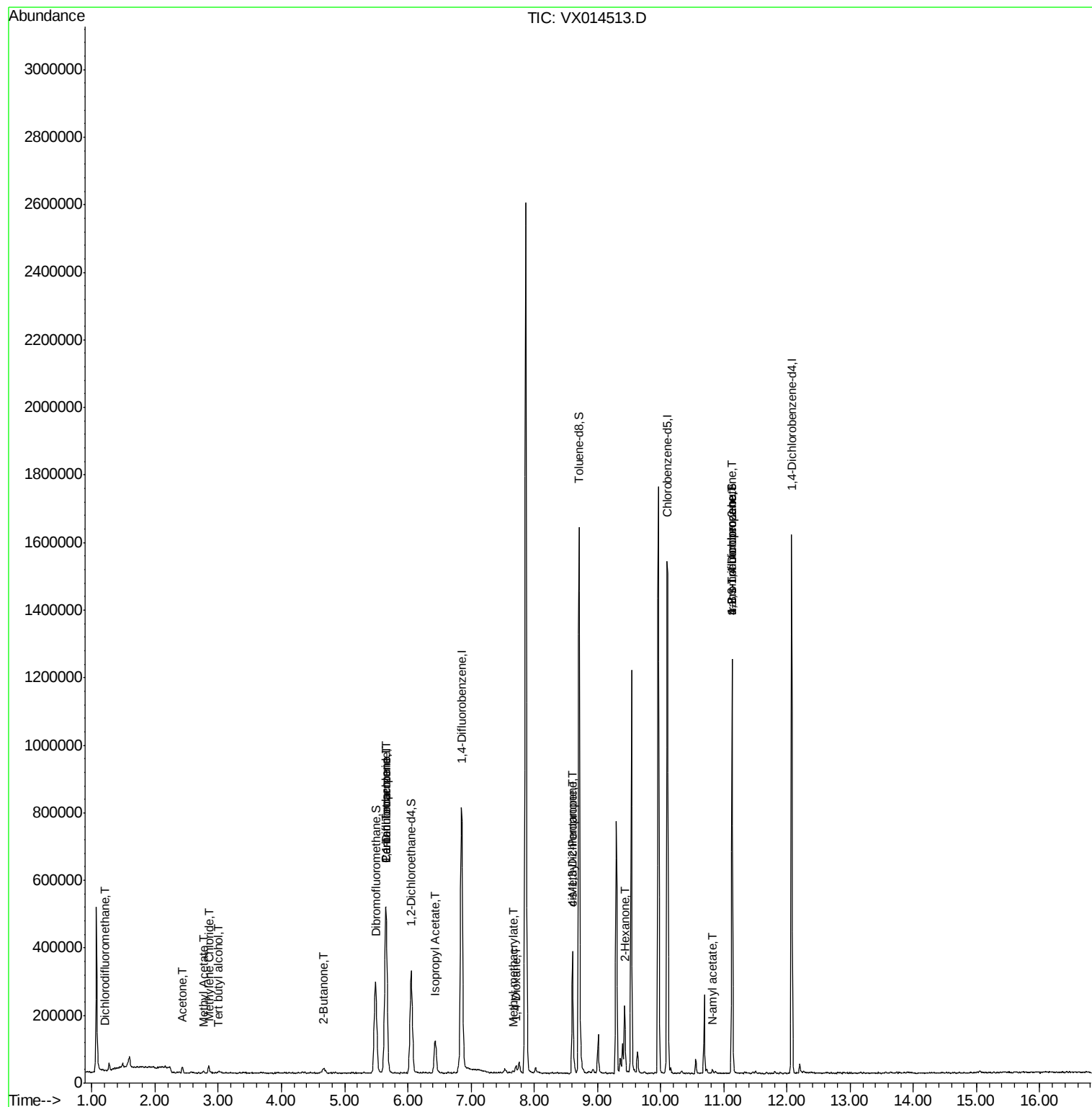
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	132	0.273	ug/l #	1
6) Chloroethane	1.70	64	661	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	5068	4.179	ug/l #	72
16) Acetone	2.43	43	21022	3.091	ug/l	97
18) Methyl Acetate	2.76	43	6795	0.814	ug/l	95
20) Methylene Chloride	2.85	84	10150	1.737	ug/l	87
25) 2-Butanone	4.67	43	10735	2.474	ug/l	95
36) 1,1-Dichloropropene	5.65	75	35421	4.731	ug/l #	51
38) Carbon Tetrachloride	5.65	117	43715	6.345	ug/l #	18
43) Isopropyl Acetate	6.44	43	134019	10.201	ug/l	98
48) Methyl methacrylate	7.67	41	7148	1.136	ug/l #	17
49) 1,4-Dioxane	7.70	88	514	3.855	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	130404	16.289	ug/l #	50
54) cis-1,3-Dichloropropene	8.61	75	60131	6.645	ug/l #	57
59) 2-Hexanone	9.43	43	131937	20.828	ug/l #	23
74) N-amyl acetate	10.82	43	6665	0.650	ug/l #	48
76) 1,2,3-Trichloropropane	11.13	75	158208	23.099	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	158208	61.070	ug/l #	12
88) 1,4-Dichlorobenzene	12.03	146	454	Below Cal		75
93) 1,2,4-Trichlorobenzene	13.63	180	201	Below Cal	#	12
96) 1,2,3-Trichlorobenzene	14.02	180	300	Below Cal	#	25

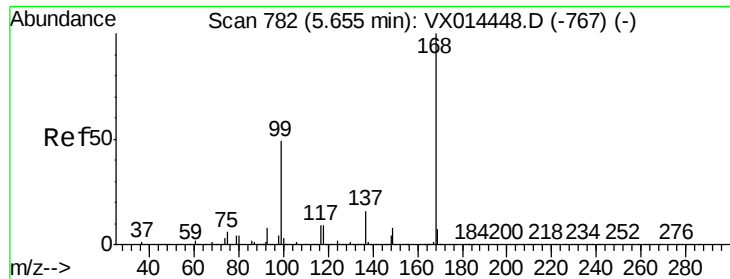
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010920\
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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: VX014513.D

Acq: 09 Jan 2020 21:39

Instrument :

MSVOA_X

ClientSampleId :

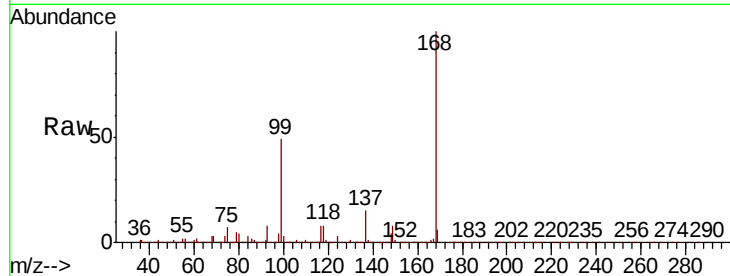
PB125963ZHE#06

Tot Ion:168 Resp: 520341

Ion Ratio Lower Upper

168 100

99 49.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

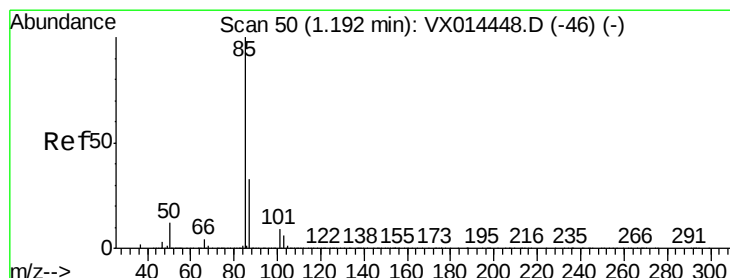
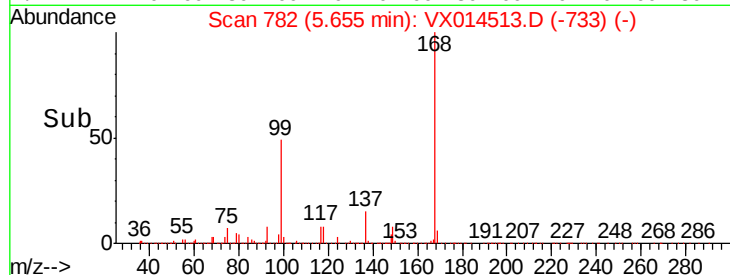
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.273 ug/l

RT: 1.20 min Scan# 52

Delta R.T. 0.01 min

Lab File: VX014513.D

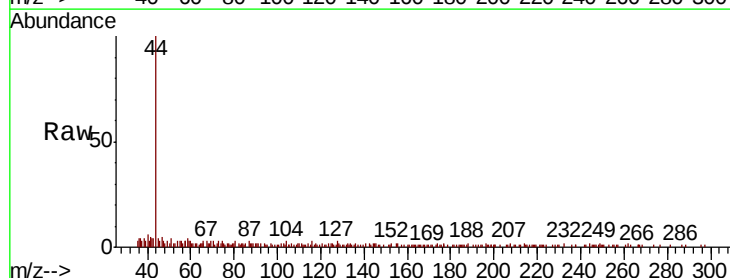
Acq: 09 Jan 2020 21:39

Tgt Ion: 85 Resp: 132

Ion Ratio Lower Upper

85 100

87 9333.3 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

300

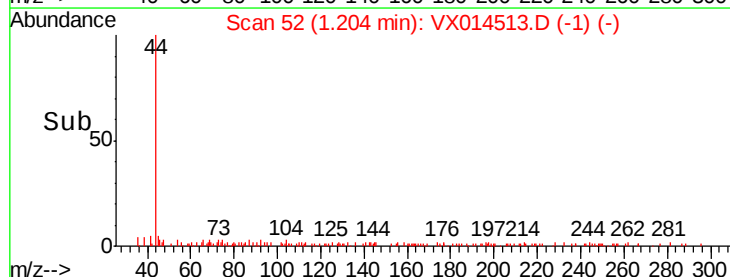
200

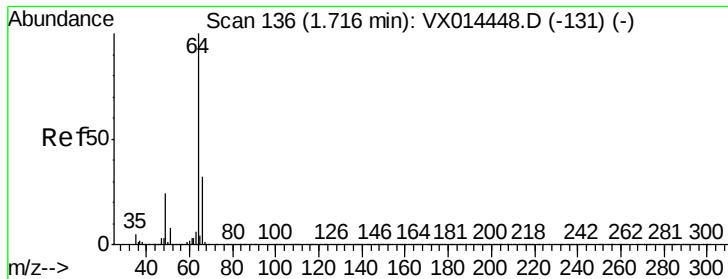
100

0

Time-->

1.18 1.20 1.22





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

Instrument :

MSVOA_X

ClientSampleId :

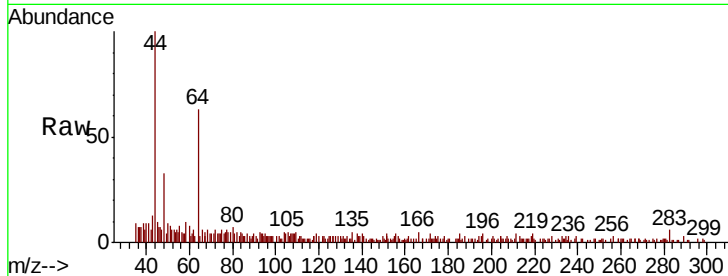
PB125963ZHE#06

Tot Ion: 64 Resp: 661

Ion Ratio Lower Upper

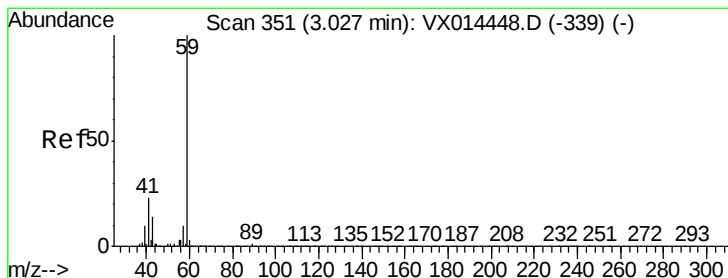
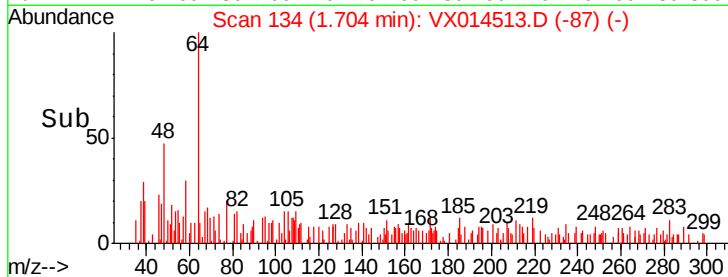
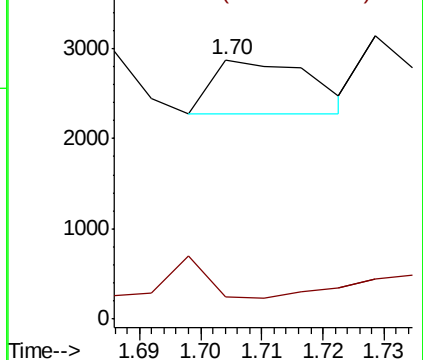
64 100

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



#11

Tert butyl alcohol

Concen: 4.179 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX014513.D

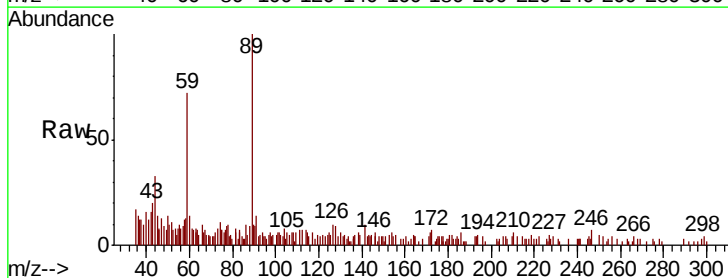
Acq: 09 Jan 2020 21:39

Tgt Ion: 59 Resp: 5068

Ion Ratio Lower Upper

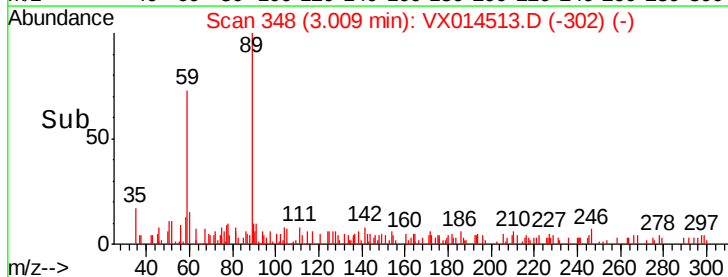
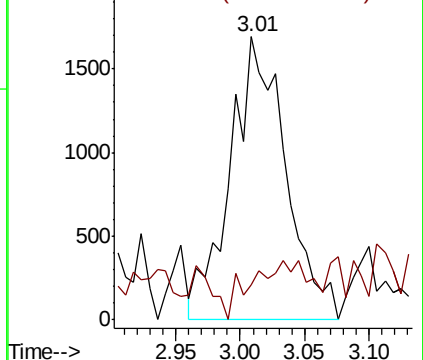
59 100

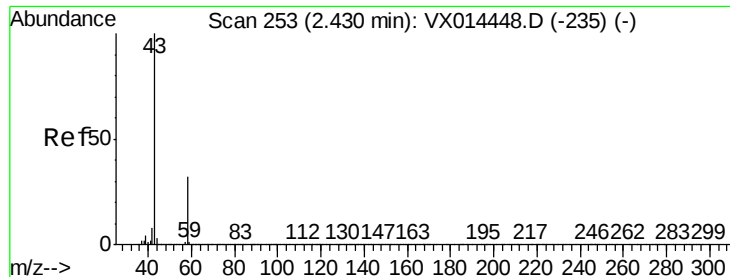
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.091 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

Instrument :

MSVOA_X

ClientSampleId :

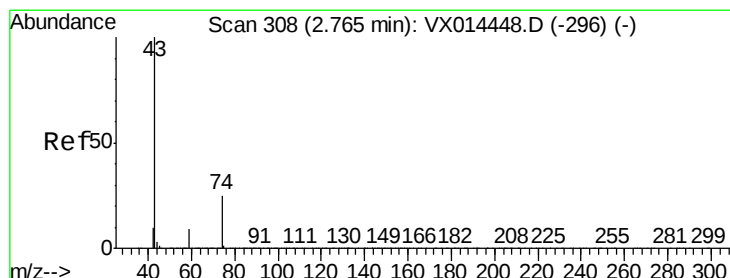
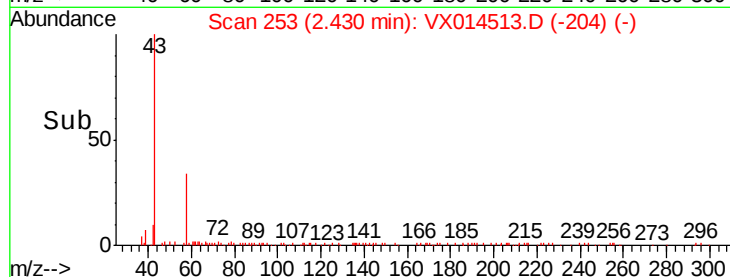
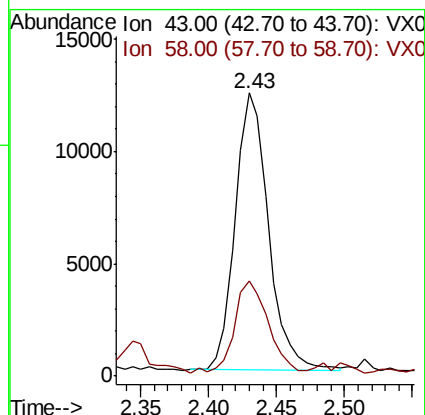
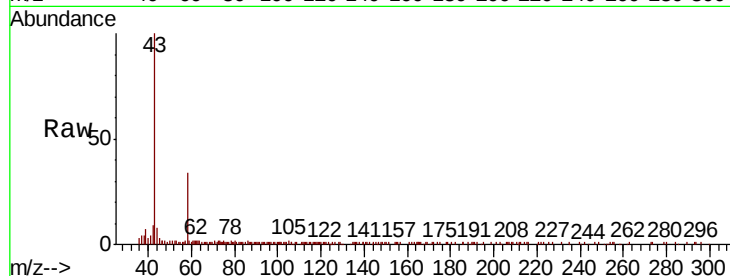
PB125963ZHE#06

Tot Ion: 43 Resp: 21022

Ion Ratio Lower Upper

43 100

58 33.5 25.4 38.0



#18

Methyl Acetate

Concen: 0.814 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014513.D

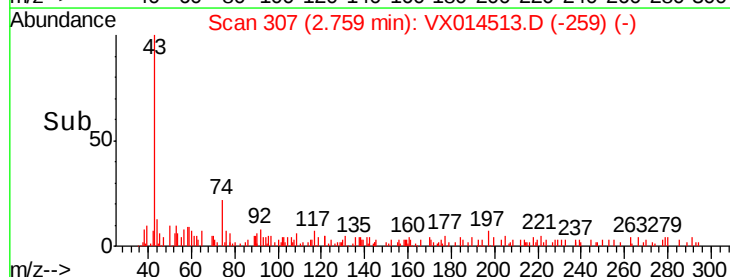
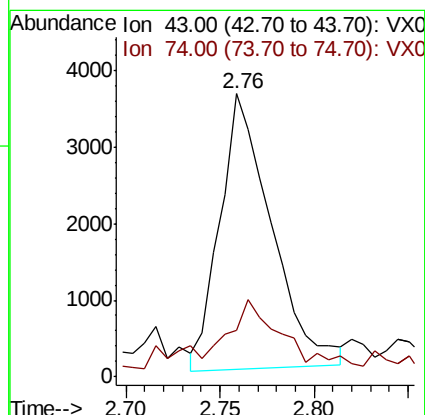
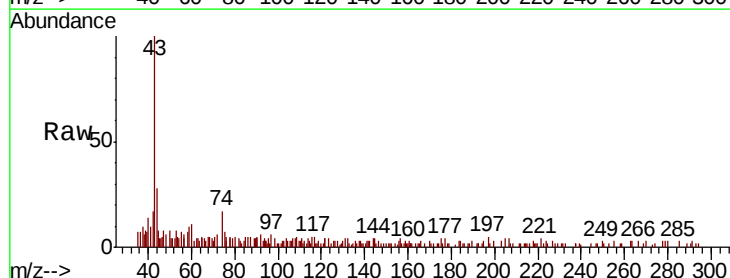
Acq: 09 Jan 2020 21:39

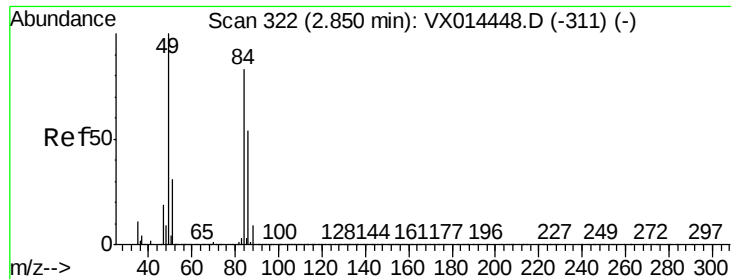
Tgt Ion: 43 Resp: 6795

Ion Ratio Lower Upper

43 100

74 26.7 19.4 29.2

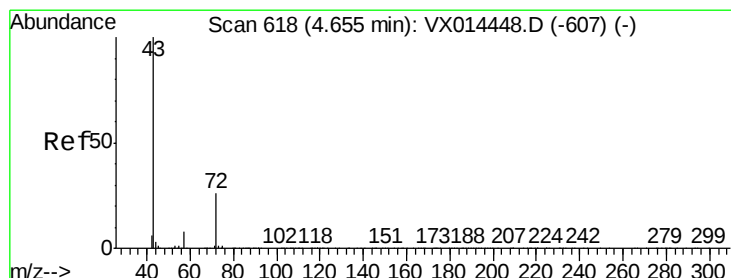
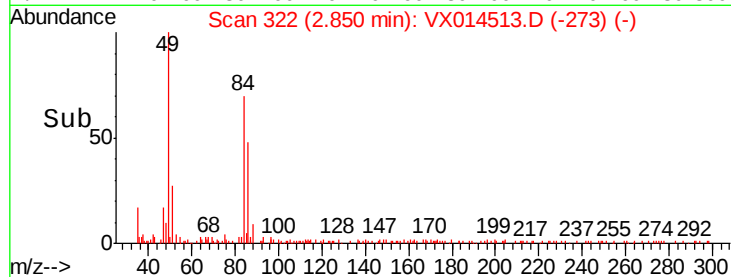
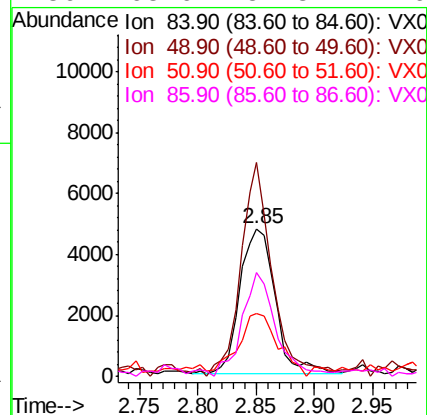
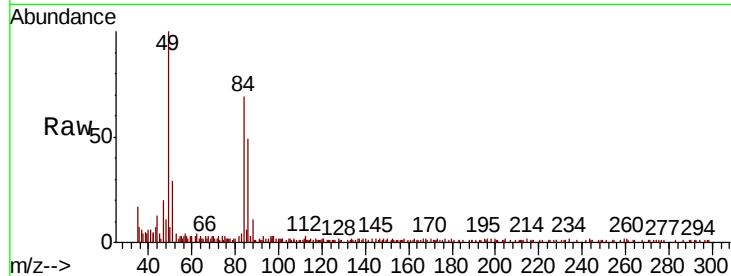




#20
Methvlene Chloride
Concen: 1.737 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014513.D
Acq: 09 Jan 2020 21:39

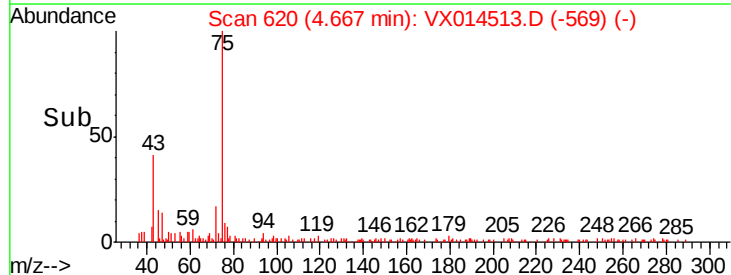
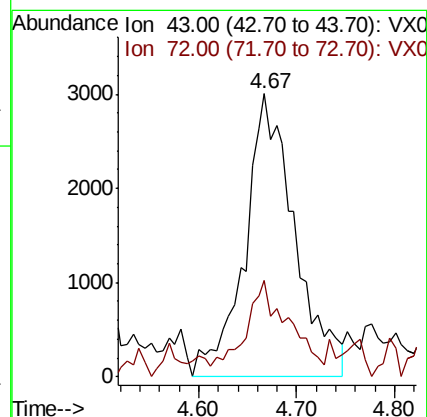
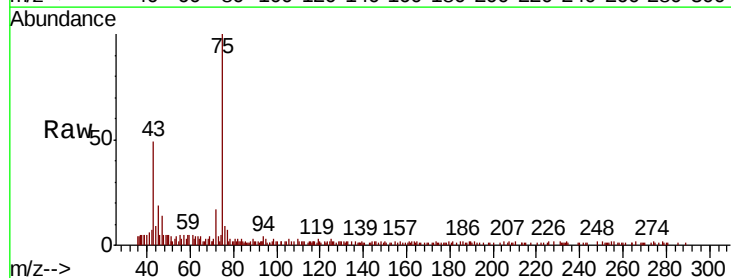
Instrument :
MSVOA_X
ClientSampleId :
PB125963ZHE#06

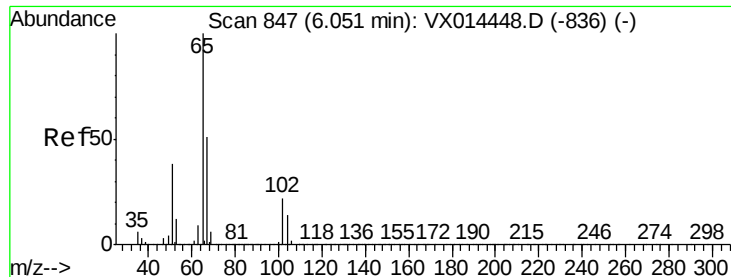
Tot Ion:	84	Resp:	10150
Ion	Ratio	Lower	Upper
84	100		
49	142.7	95.8	143.8
51	37.8	30.2	45.4
86	68.6	51.8	77.6



#25
2-Butanone
Concen: 2.474 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014513.D
Acq: 09 Jan 2020 21:39

Tgt Ion:	43	Resp:	10735
Ion	Ratio	Lower	Upper
43	100		
72	28.5	20.6	31.0





#33

1,2-Dichloroethane-d4

Concen: 48.516 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

Instrument :

MSVOA_X

ClientSampleId :

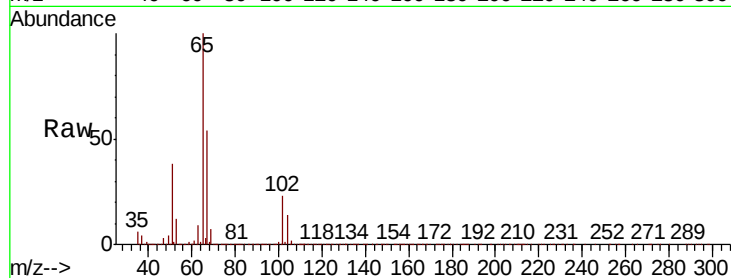
PB125963ZHE#06

Tot Ion: 65 Resp: 281821

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

120000

100000

80000

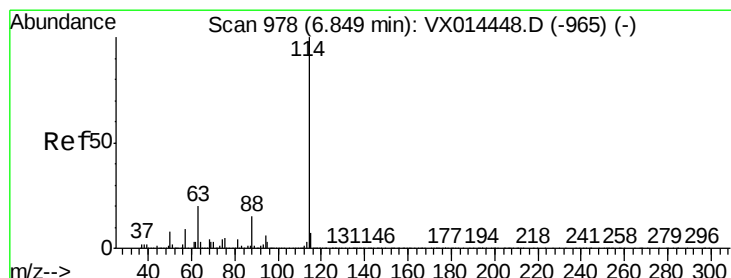
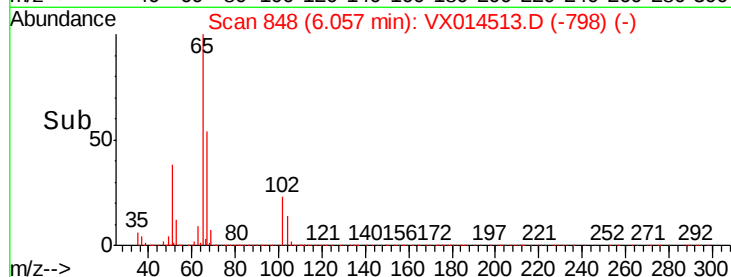
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

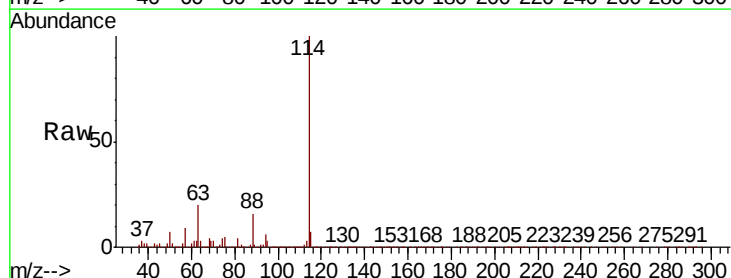
Tgt Ion: 114 Resp: 796176

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.6

88 15.7 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

6.85

400000

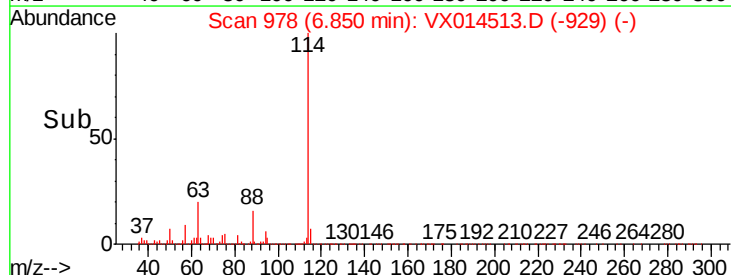
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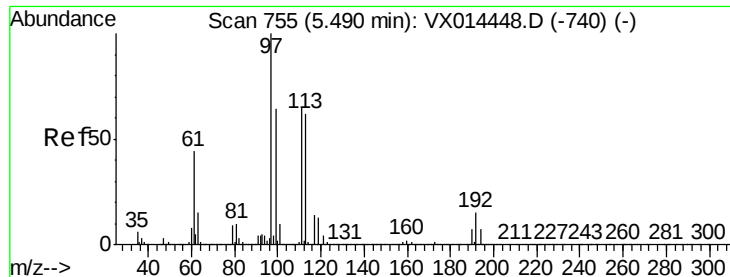
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.236 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

Instrument :

MSVOA_X

ClientSampleId :

PB125963ZHE#06

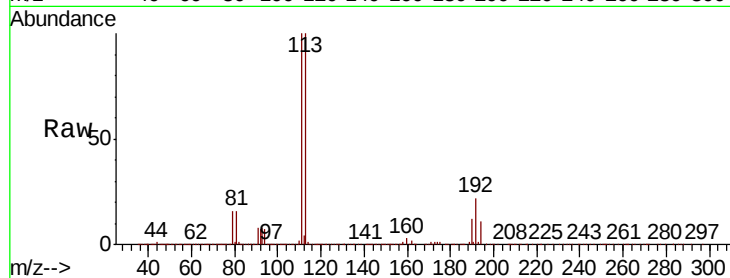
Tot Ion:113 Resp: 237298

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

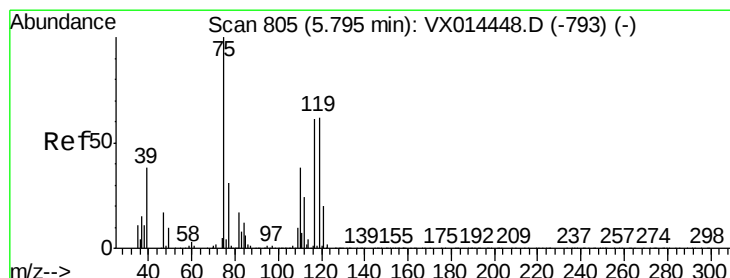
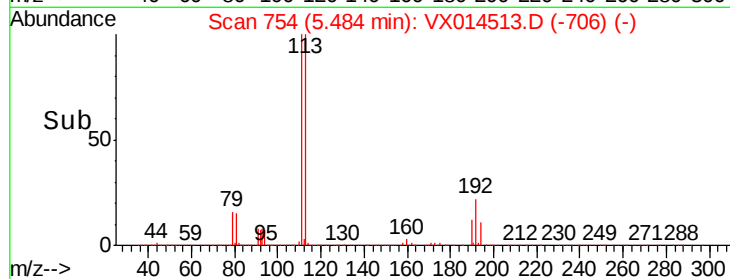
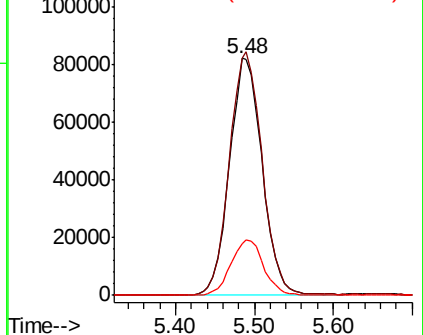
192 23.5 19.2 28.8



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: 4.731 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

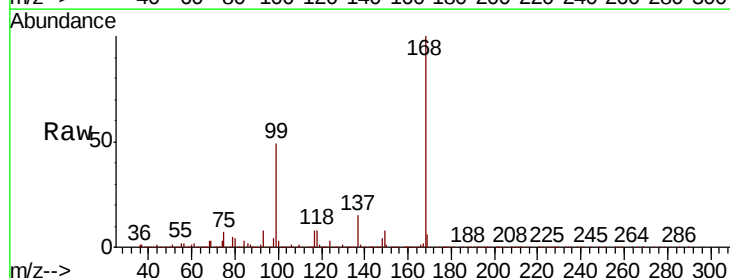
Tgt Ion: 75 Resp: 35421

Ion Ratio Lower Upper

75 100

110 10.5 18.6 55.8#

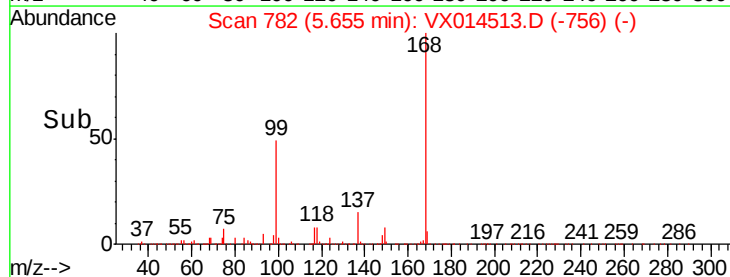
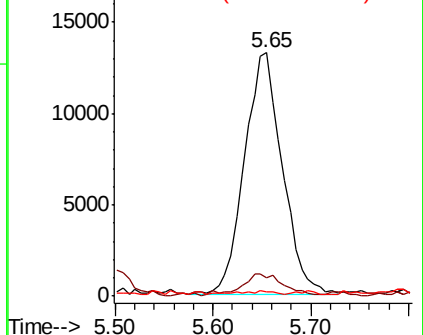
77 0.5 24.5 36.7#

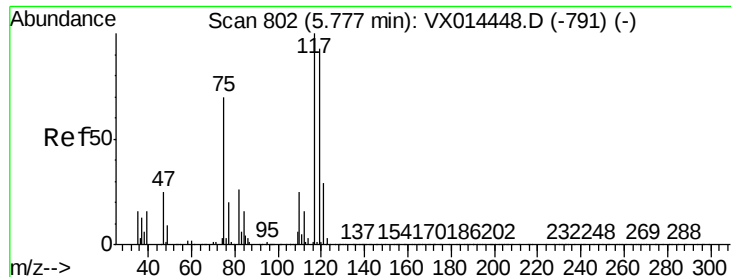


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.345 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

Instrument :

MSVOA_X

ClientSampleId :

PB125963ZHE#06

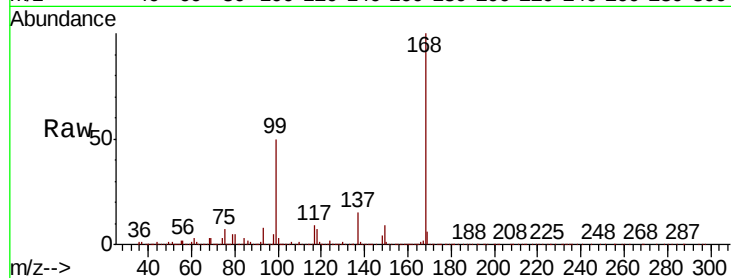
Tot Ion:117 Resp: 43715

Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

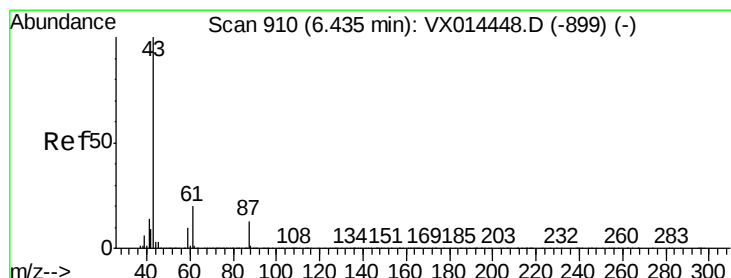
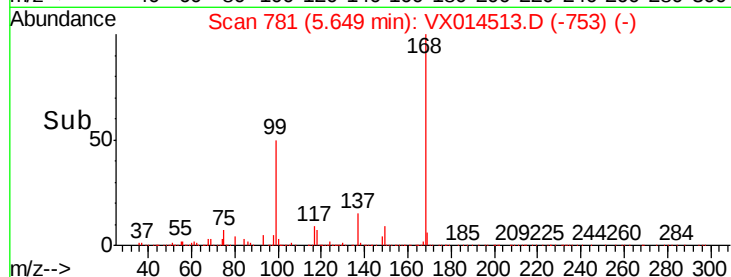
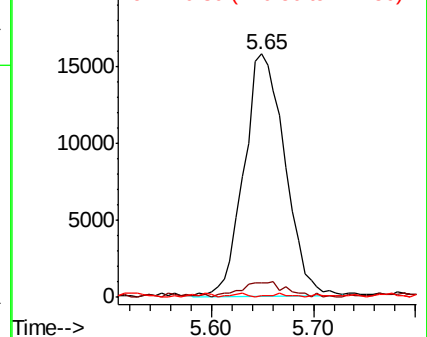
121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.201 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

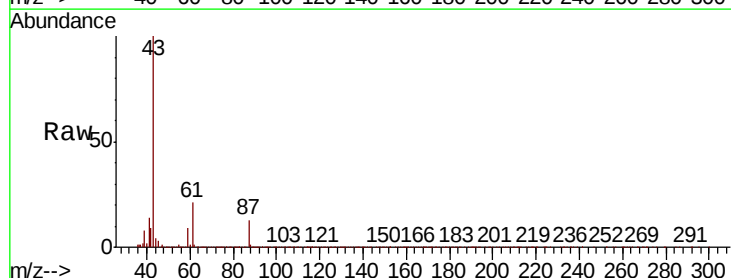
Tgt Ion: 43 Resp: 134019

Ion Ratio Lower Upper

43 100

61 21.7 16.6 24.8

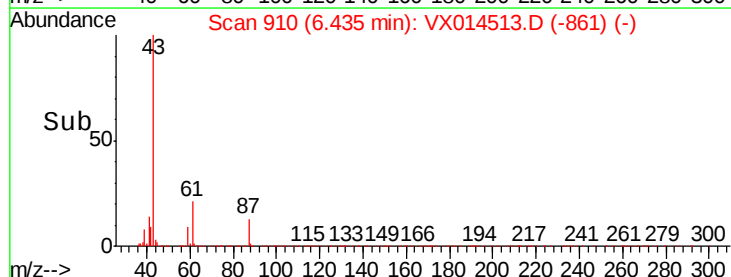
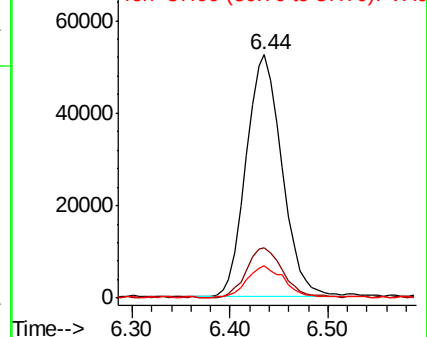
87 14.1 10.8 16.2

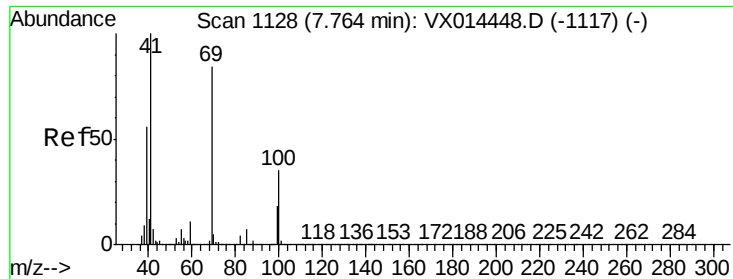


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

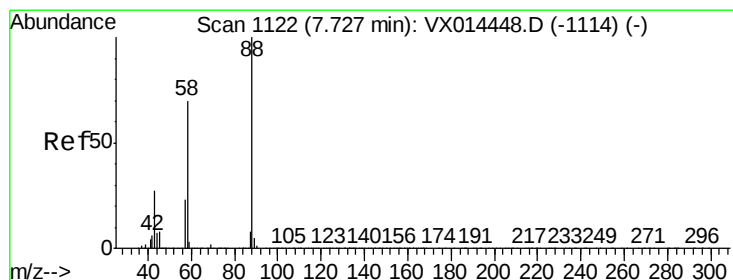
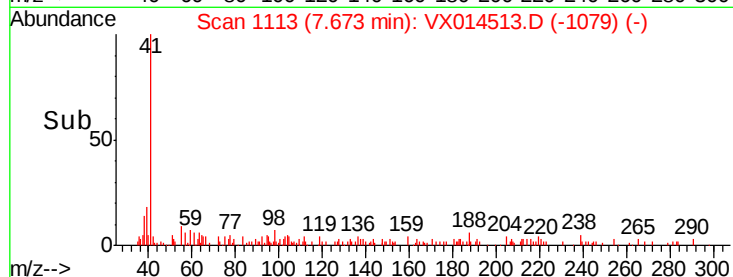
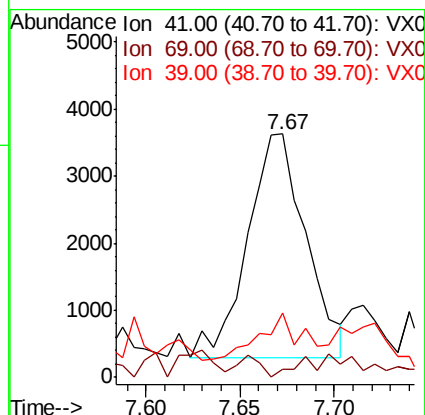
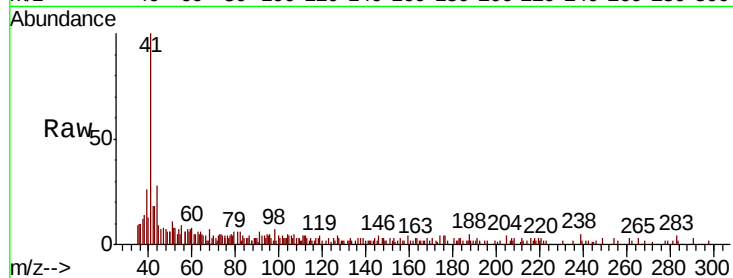




#48
Methvl methacrylate
Concen: 1.136 ug/l
RT: 7.67 min Scan# 1113
Delta R.T. -0.09 min
Lab File: VX014513.D
Acq: 09 Jan 2020 21:39

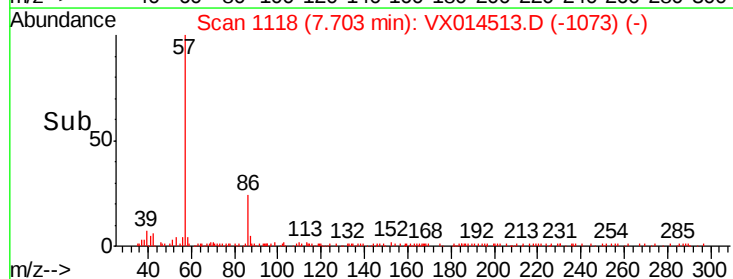
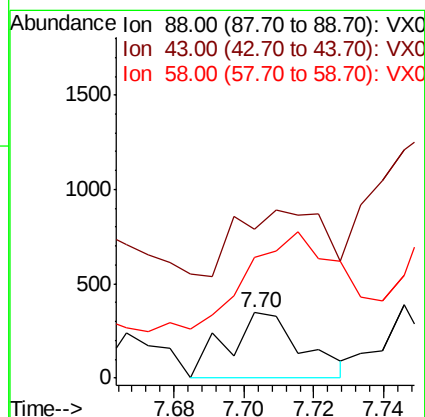
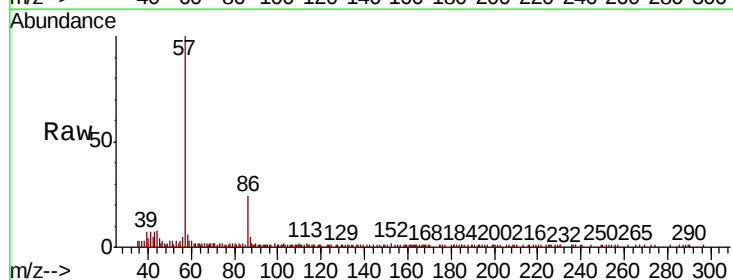
Instrument :
MSVOA_X
ClientSampleId :
PB125963ZHE#06

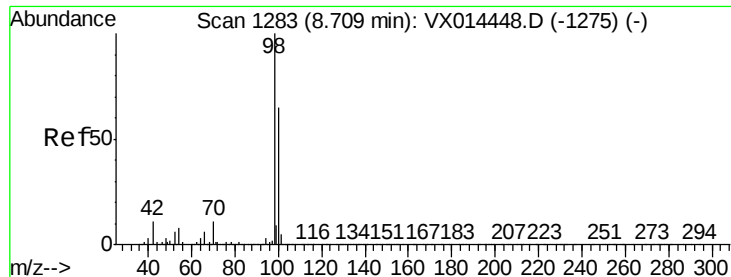
Tot Ion: 41 Resp: 7148
Ion Ratio Lower Upper
41 100
69 3.3 65.5 98.3#
39 0.0 43.9 65.9#



#49
1,4-Dioxane
Concen: 3.855 ug/l
RT: 7.70 min Scan# 1118
Delta R.T. -0.02 min
Lab File: VX014513.D
Acq: 09 Jan 2020 21:39

Tgt Ion: 88 Resp: 514
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 242.4 57.1 85.7#





#50

Toluene-d8

Concen: 50.800 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

Instrument :

MSVOA_X

ClientSampleId :

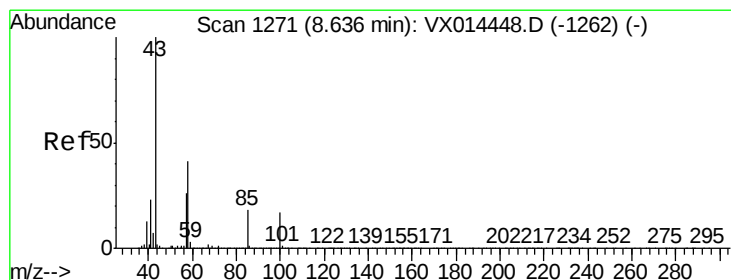
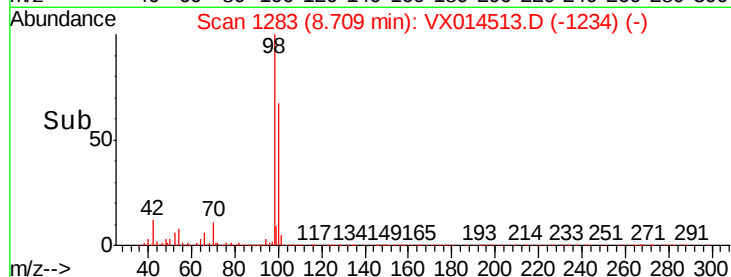
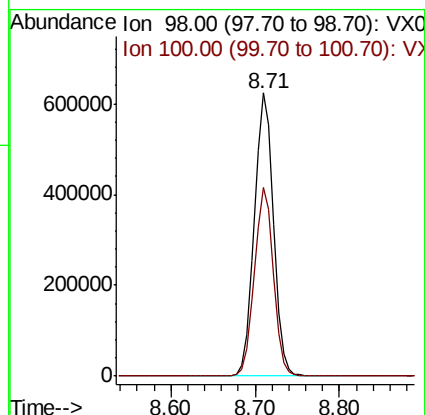
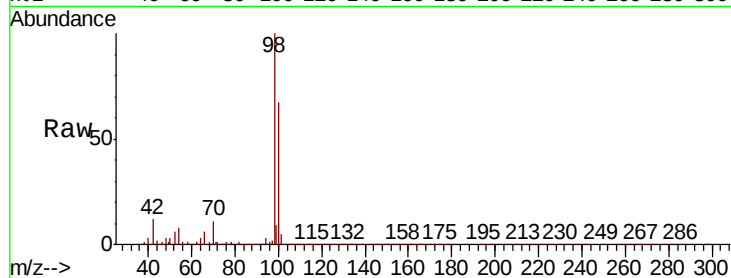
PB125963ZHE#06

Tot Ion: 98 Resp: 950127

Ion Ratio Lower Upper

98 100

100 66.1 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 16.289 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014513.D

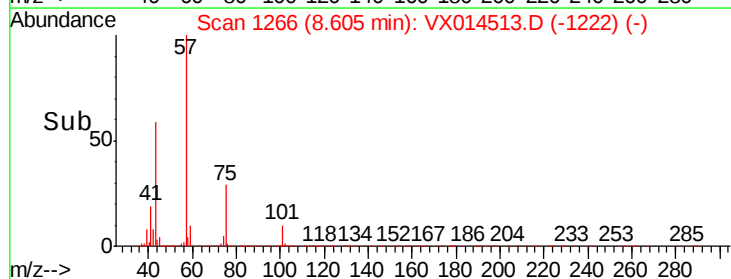
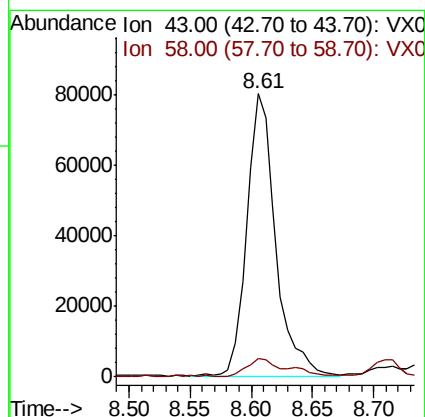
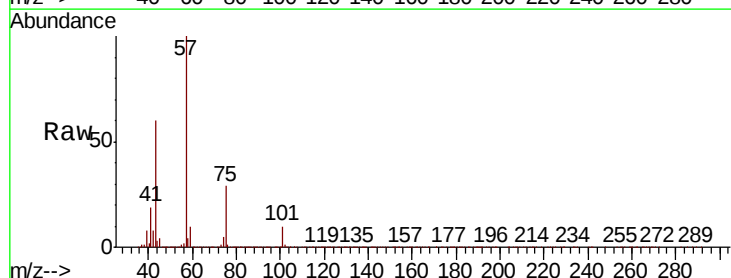
Acq: 09 Jan 2020 21:39

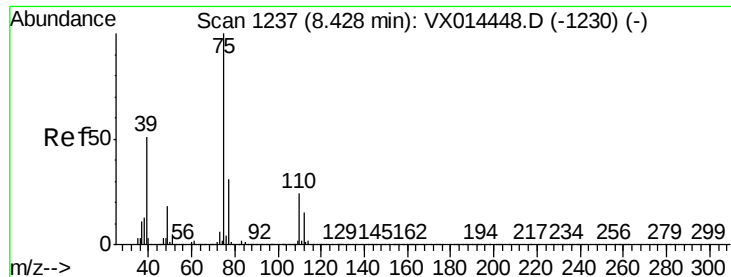
Tgt Ion: 43 Resp: 130404

Ion Ratio Lower Upper

43 100

58 9.3 32.4 48.6#



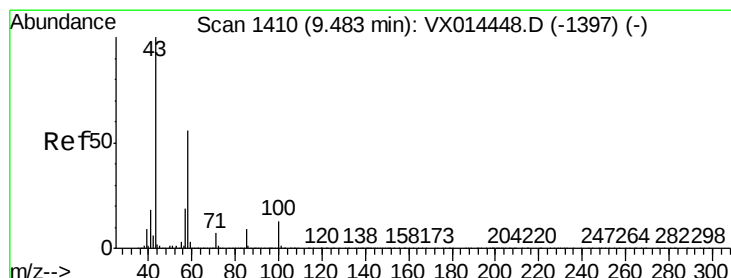
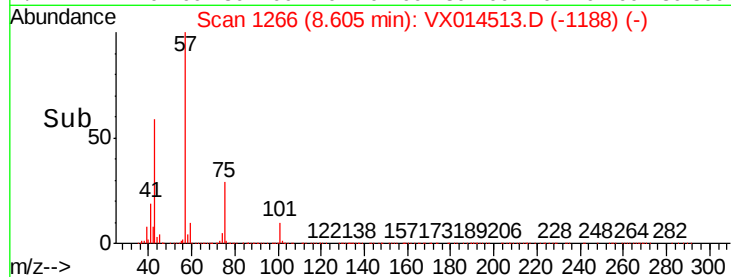
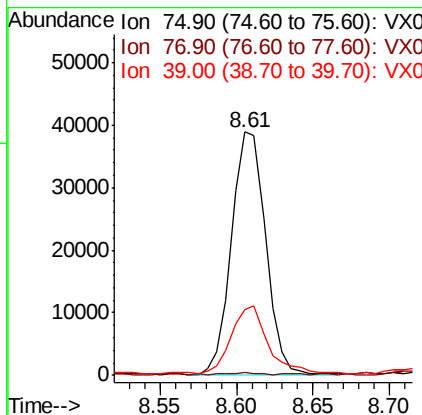
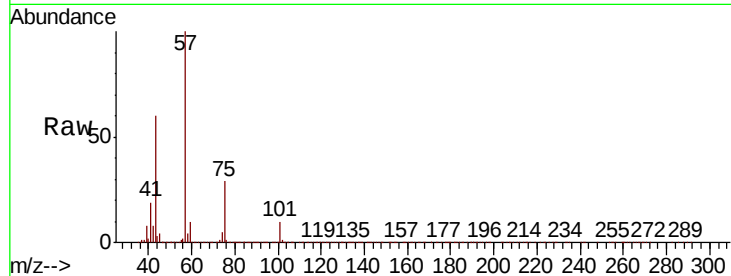


#54

cis-1,3-Dichloropropene
 Concen: 6.645 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. 0.18 min
 Lab File: VX014513.D
 Acq: 09 Jan 2020 21:39

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125963ZHE#06

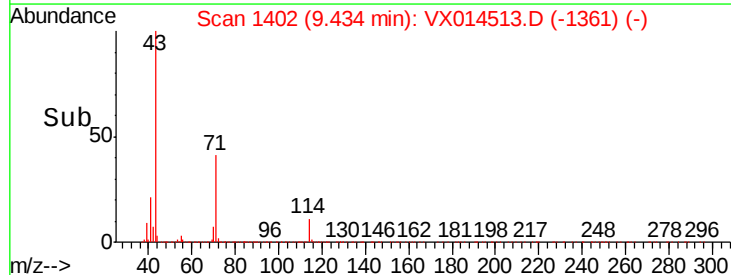
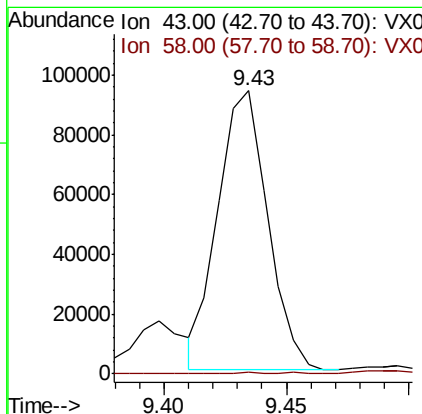
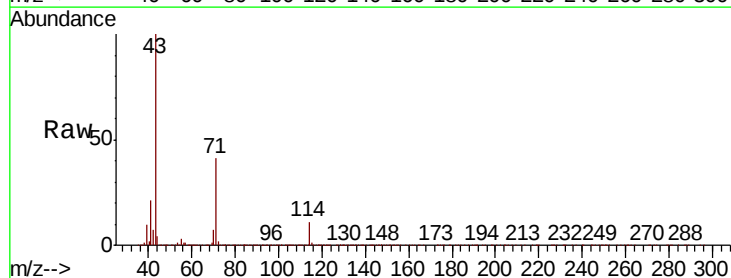
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.6	25.0	37.4#
39	26.1	40.7	61.1#

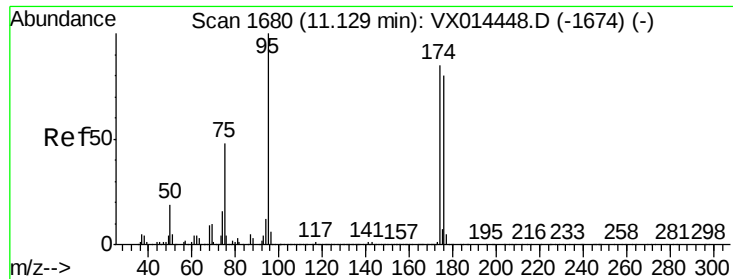


#59

2-Hexanone
 Concen: 20.828 ug/l
 RT: 9.43 min Scan# 1402
 Delta R.T. -0.05 min
 Lab File: VX014513.D
 Acq: 09 Jan 2020 21:39

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





#62

4-Bromofluorobenzene

Concen: 47.560 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

Instrument :

MSVOA_X

ClientSampleId :

PB125963ZHE#06

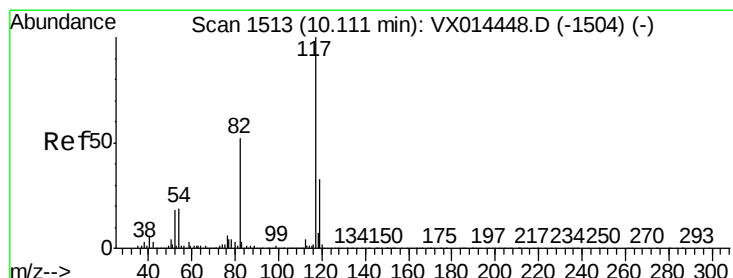
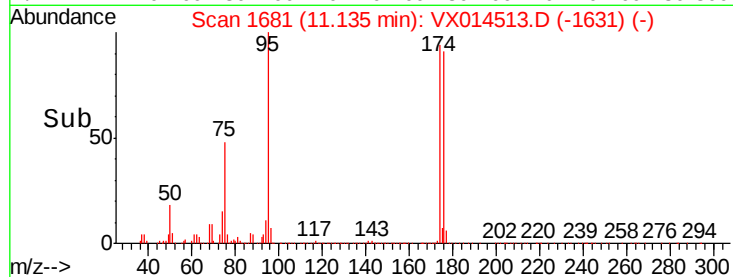
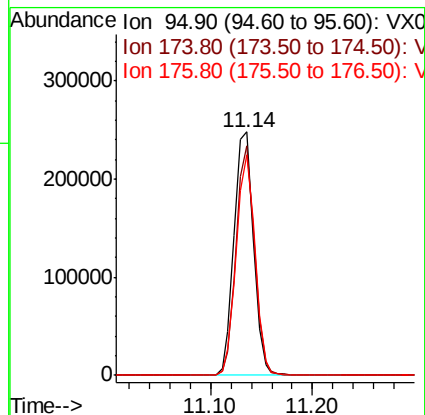
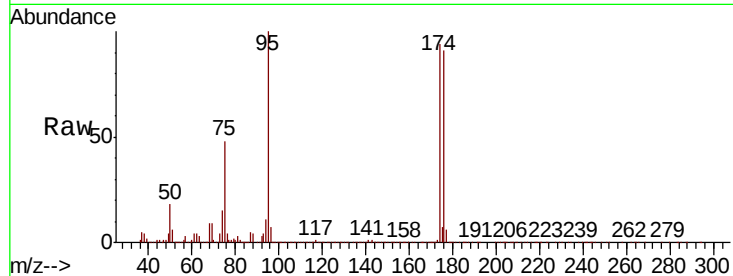
Tot Ion: 95 Resp: 326553

Ion Ratio Lower Upper

95 100

174 88.9 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: VX014513.D

Acq: 09 Jan 2020 21:39

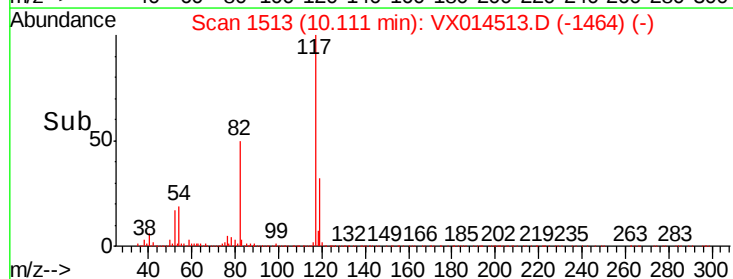
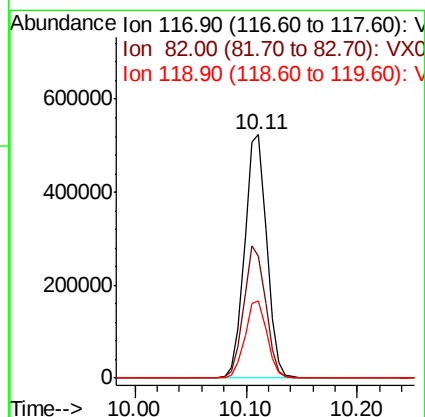
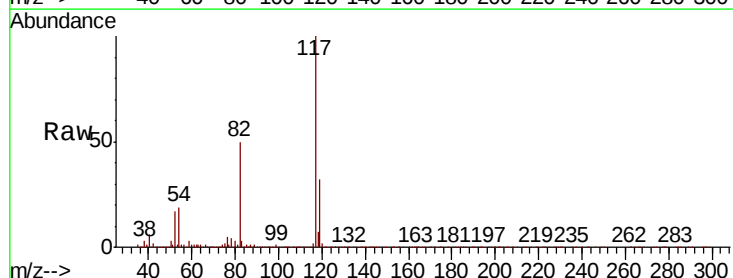
Tgt Ion: 117 Resp: 718498

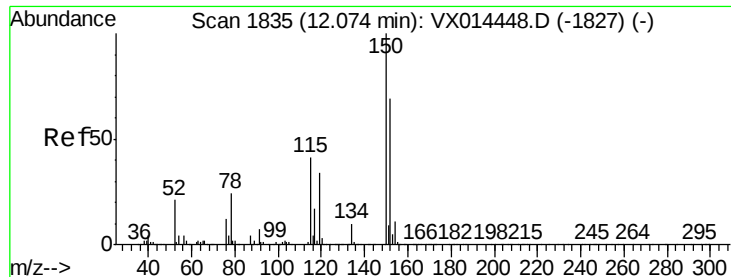
Ion Ratio Lower Upper

117 100

82 49.9 41.8 62.6

119 31.8 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: VX014513.D

Acq: 09 Jan 2020 21:39

Instrument :

MSVOA_X

ClientSampleId :

PB125963ZHE#06

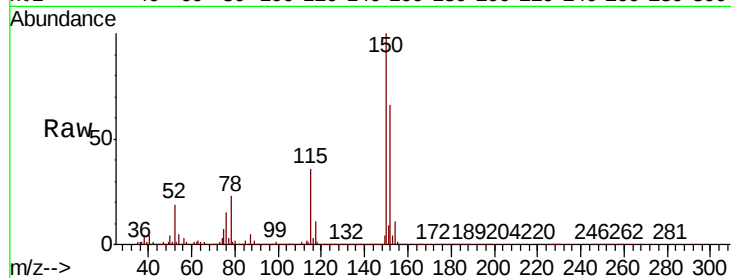
Tot Ion:152 Resp: 331029

Ion Ratio Lower Upper

152 100

115 55.3 39.5 118.3

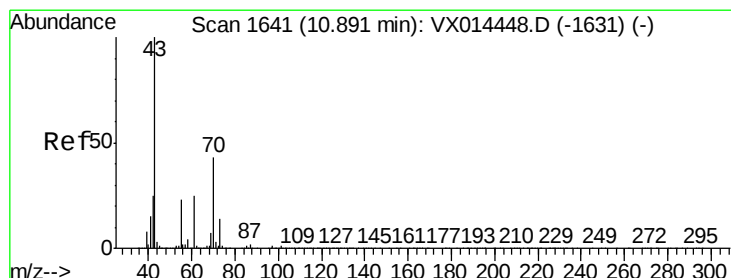
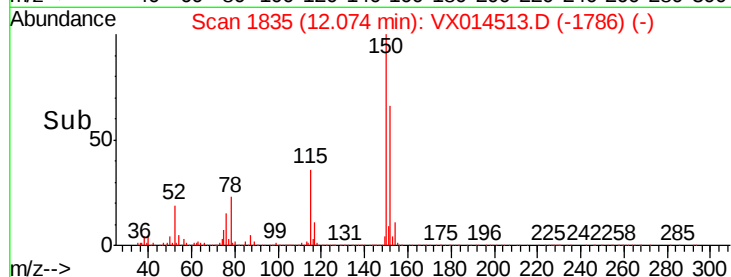
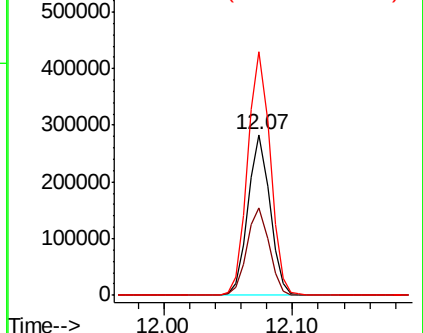
150 155.7 0.0 350.2



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-ethyl acetate

Concen: 0.650 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

Tgt Ion: 43 Resp: 6665

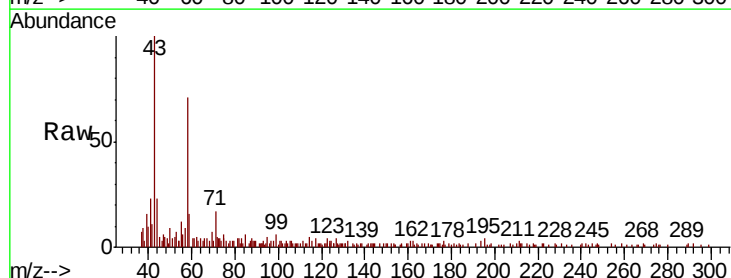
Ion Ratio Lower Upper

43 100

70 3.7 35.1 52.7#

55 7.3 19.3 28.9#

61 0.0 20.0 30.0#

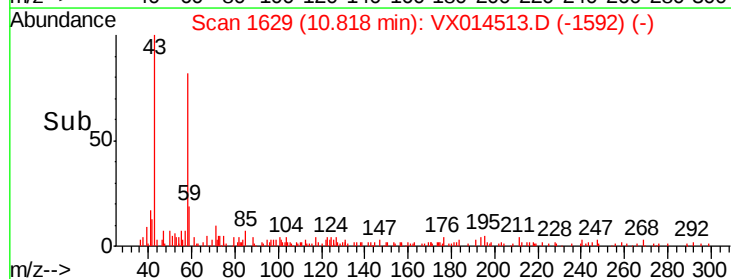
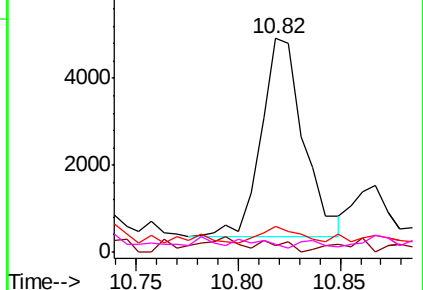


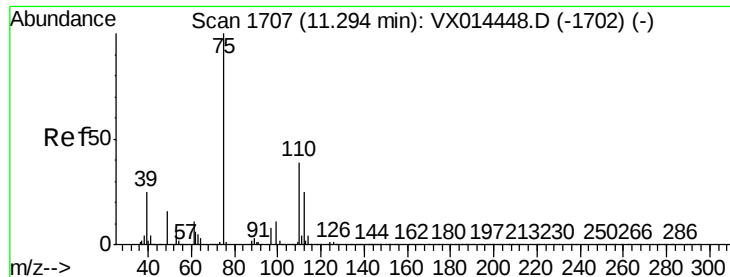
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.099 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

Instrument :

MSVOA_X

ClientSampleId :

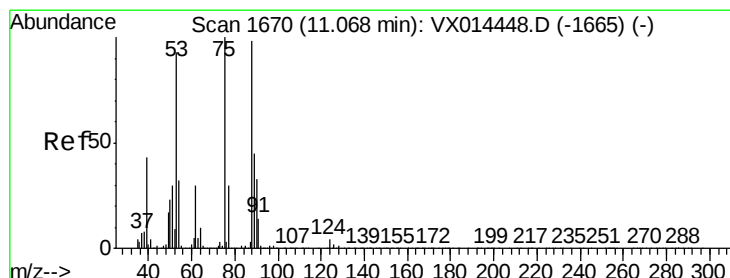
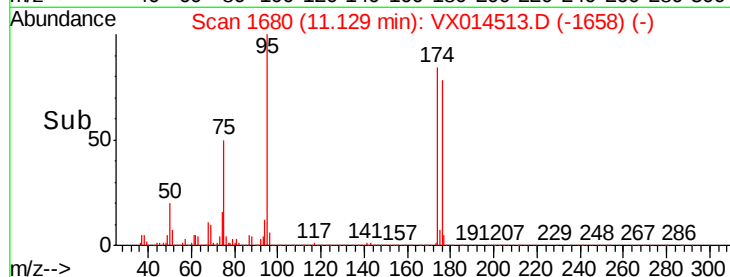
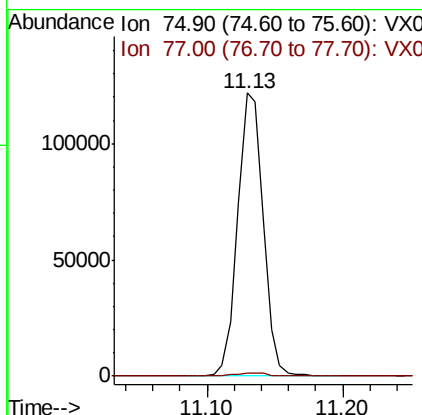
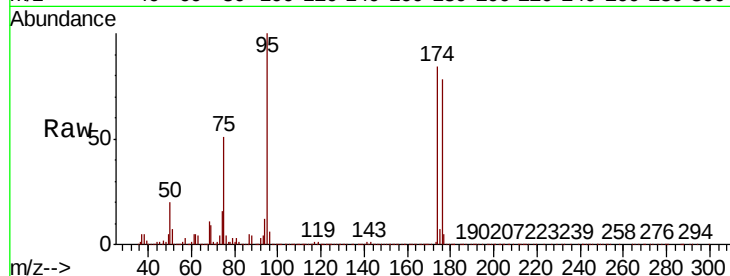
PB125963ZHE#06

Tot Ion: 75 Resp: 158208

Ion Ratio Lower Upper

75 100

77 1.7 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.070 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

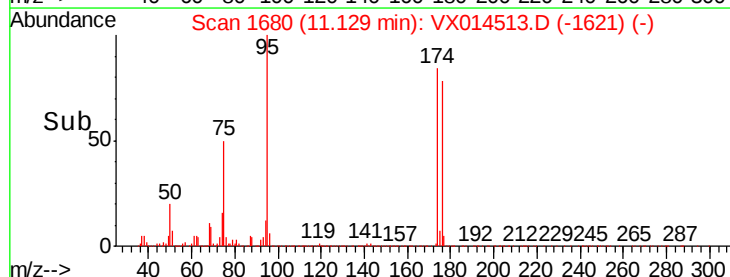
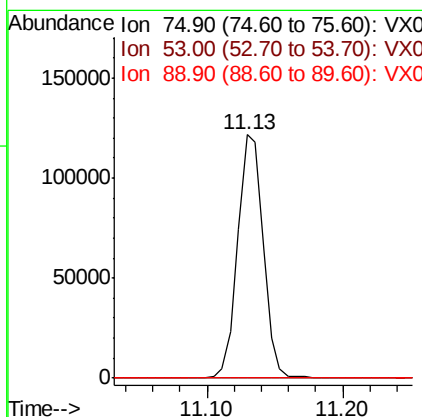
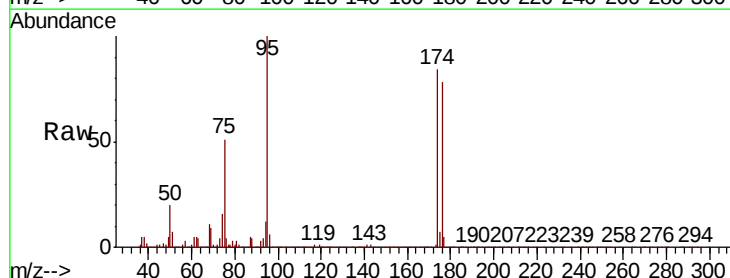
Tgt Ion: 75 Resp: 158208

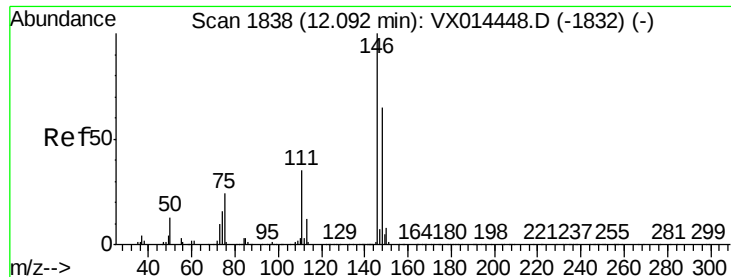
Ion Ratio Lower Upper

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# 1828

Delta R.T. -0.06 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

Instrument :

MSVOA_X

ClientSampleId :

PB125963ZHE#06

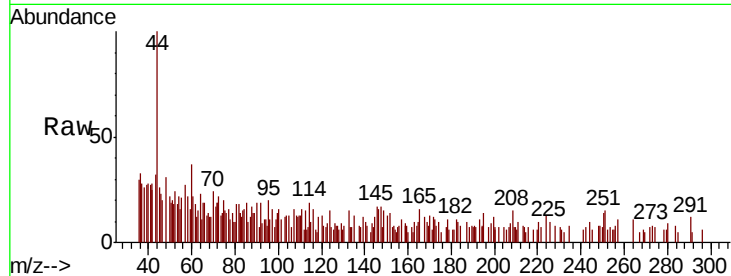
Tot Ion:146 Resp: 454

Ion Ratio Lower Upper

146 100

111 47.6 18.1 54.1

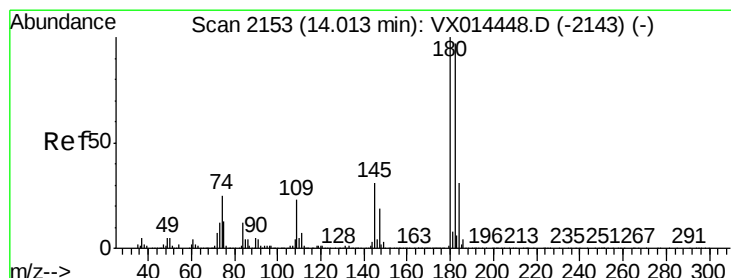
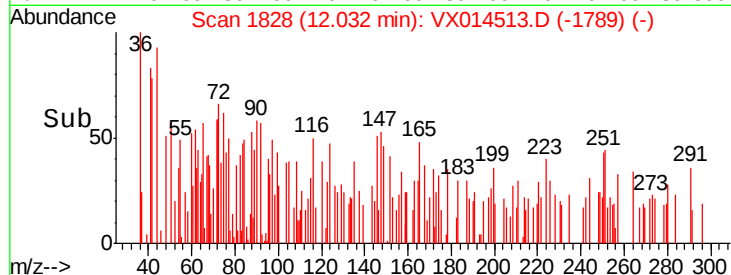
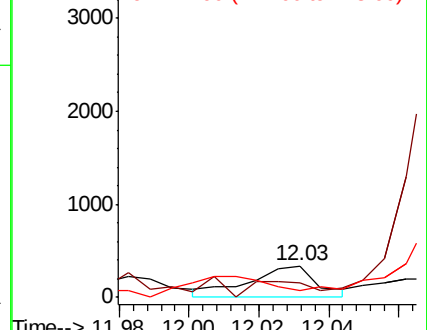
148 86.3 32.1 96.3



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: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX014513.D

Acq: 09 Jan 2020 21:39

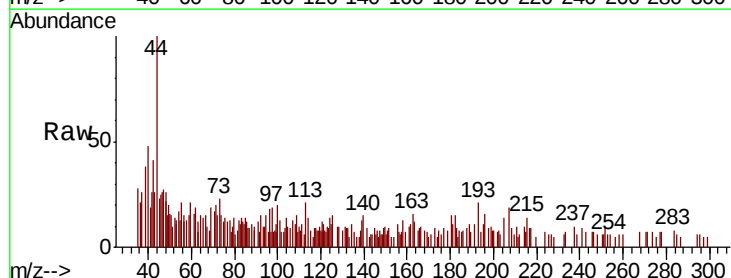
Tgt Ion:180 Resp: 300

Ion Ratio Lower Upper

180 100

182 158.0 47.9 143.6#

145 88.7 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

