

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011020\
 Data File : VX014568.D
 Acq On : 11 Jan 2020 04:22
 Operator : JC/SP
 Sample : PB125993ZHE#14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993ZHE#14

Quant Time: Jan 11 05:23:20 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	487984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	764639	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	700809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317085	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	271927	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
35) Dibromofluoromethane	5.49	113	227221	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	8.71	98	912183	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	11.13	95	314667	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

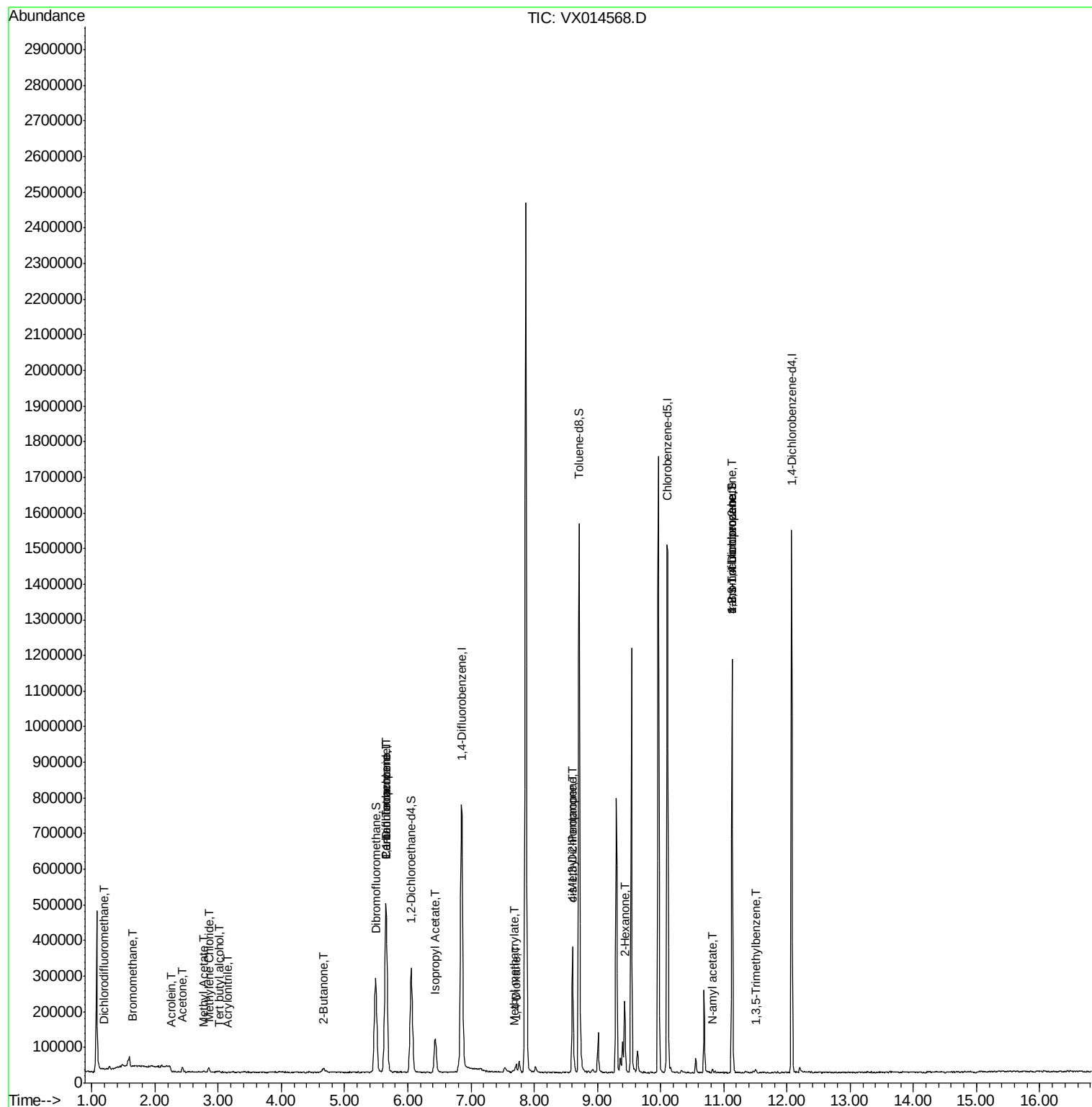
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	377	0.314	ug/l #	69
5) Bromomethane	1.65	94	973	0.212	ug/l #	12
6) Chloroethane	1.80	64	992	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	2643	2.324	ug/l #	88
13) Acrolein	2.27	56	521	0.571	ug/l #	61
15) Acrylonitrile	3.14	53	1046	0.381	ug/l #	44
16) Acetone	2.43	43	17162	2.140	ug/l	94
18) Methyl Acetate	2.77	43	5803	0.741	ug/l #	86
20) Methylene Chloride	2.85	84	6816	1.244	ug/l	93
25) 2-Butanone	4.66	43	3234	0.795	ug/l	97
36) 1,1-Dichloropropene	5.65	75	32568	4.529	ug/l #	46
38) Carbon Tetrachloride	5.65	117	42846	6.475	ug/l #	17
43) Isopropyl Acetate	6.43	43	131906	10.454	ug/l	99
48) Methyl methacrylate	7.68	41	6822	1.129	ug/l #	21
49) 1,4-Dioxane	7.73	88	157	1.226	ug/l #	23
51) 4-Methyl-2-Pentanone	8.61	43	124228	16.157	ug/l #	46
54) cis-1,3-Dichloropropene	8.61	75	58904	6.778	ug/l #	59
59) 2-Hexanone	9.43	43	133266	21.906	ug/l #	23
74) N-amyl acetate	10.82	43	6139	0.625	ug/l #	55
76) 1,2,3-Trichloropropane	11.13	75	151325	23.066	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.50	105	4084	0.221	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	151325	60.982	ug/l #	12
88) 1,4-Dichlorobenzene	12.35	146	243	Below Cal		92
93) 1,2,4-Trichlorobenzene	13.63	180	271	Below Cal	#	12
96) 1,2,3-Trichlorobenzene	14.00	180	335	Below Cal	#	12

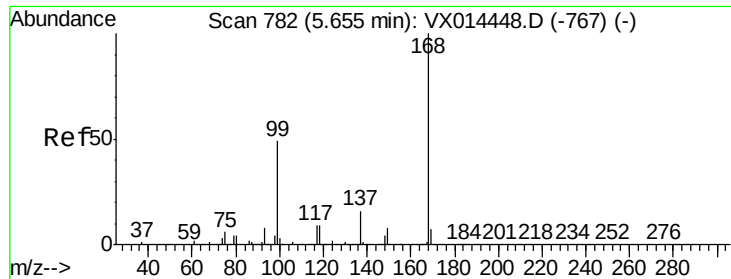
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011020\
Data File : VX014568.D
Acq On : 11 Jan 2020 04:22
Operator : JC/SP
Sample : PB125993ZHE#14
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#14

Quant Time: Jan 11 05:23:20 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: VX014568.D

Acq: 11 Jan 2020 04:22

Instrument :

MSVOA_X

ClientSampleId :

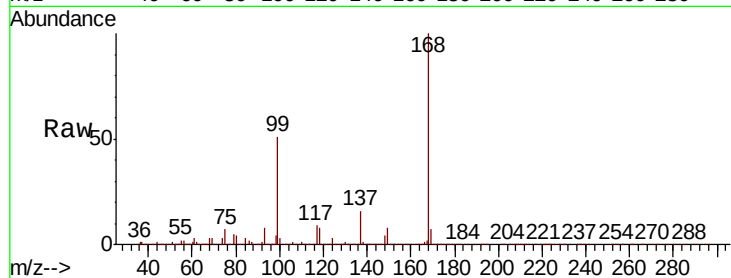
PB125993ZHE#14

Tot Ion:168 Resp: 487984

Ion Ratio Lower Upper

168 100

99 51.2 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

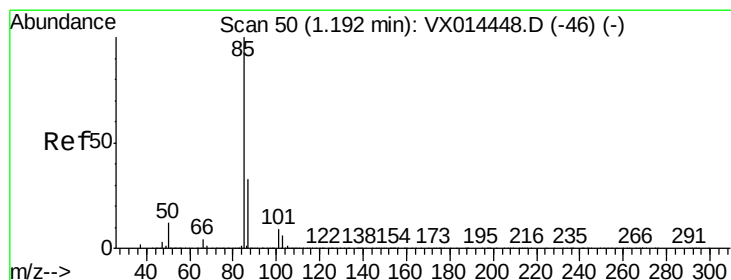
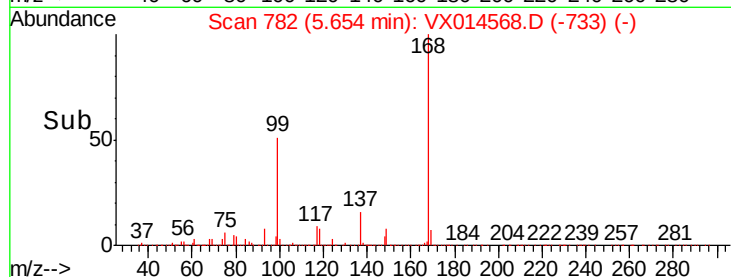
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.314 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014568.D

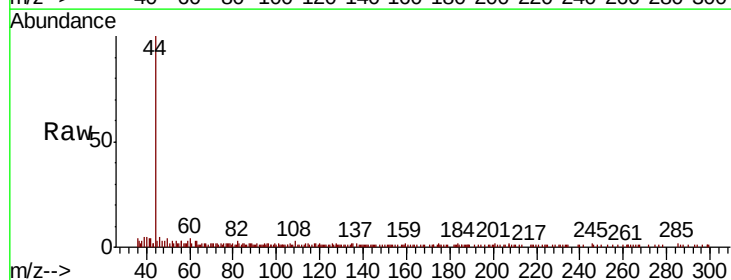
Acq: 11 Jan 2020 04:22

Tgt Ion: 85 Resp: 377

Ion Ratio Lower Upper

85 100

87 15.7 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

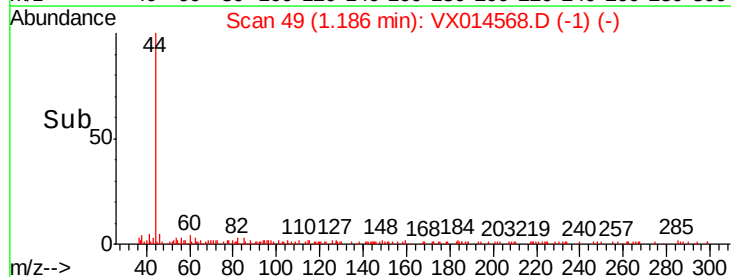
300

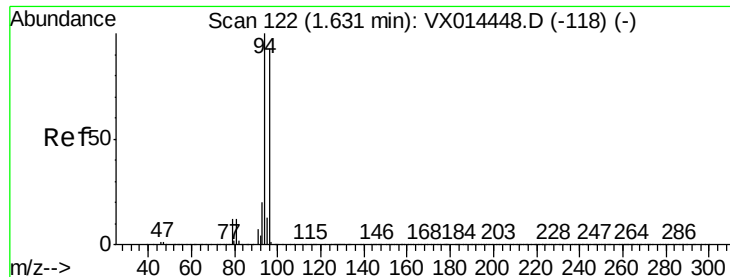
200

100

0

Time-->





#5

Bromomethane

Concen: 0.212 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014568.D

Acq: 11 Jan 2020 04:22

Instrument :

MSVOA_X

ClientSampleId :

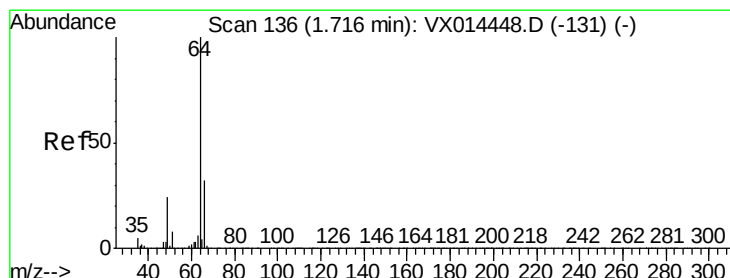
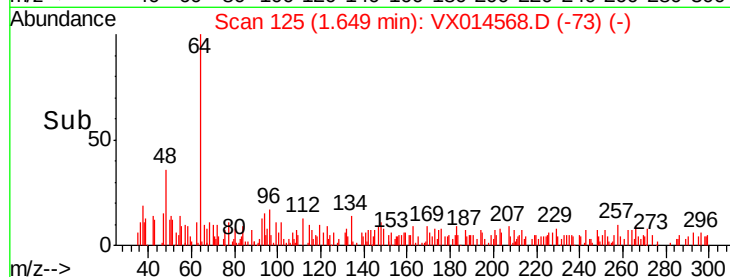
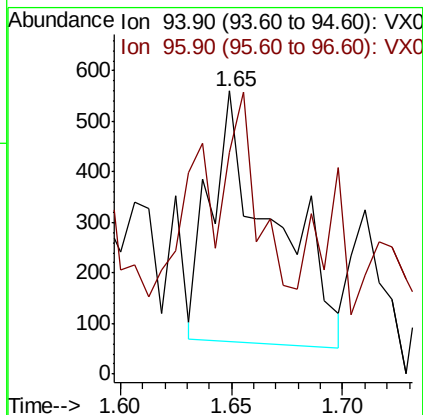
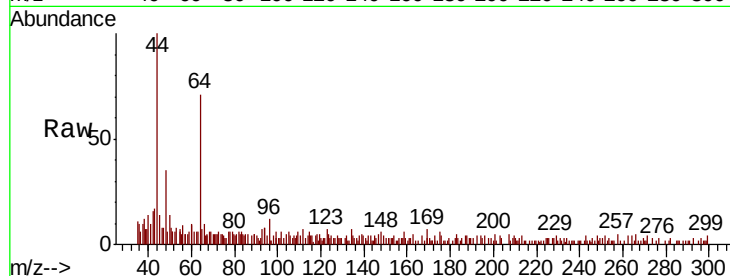
PB125993ZHE#14

Tot Ion: 94 Resp: 973

Ion Ratio Lower Upper

94 100

96 8.9 74.2 111.2#



#6

Chloroethane

Concen: Below Cal

RT: 1.80 min Scan# 149

Delta R.T. 0.08 min

Lab File: VX014568.D

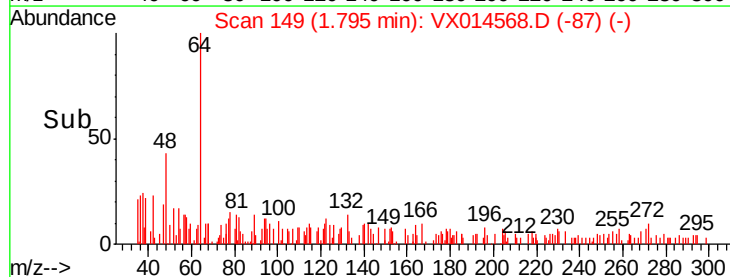
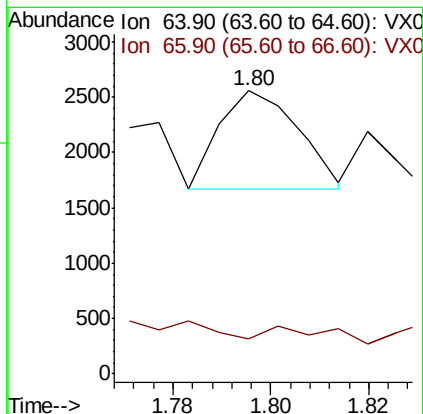
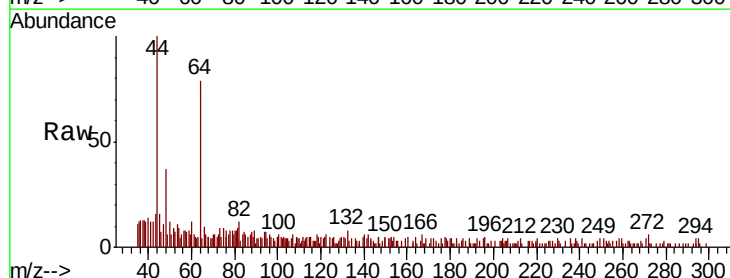
Acq: 11 Jan 2020 04:22

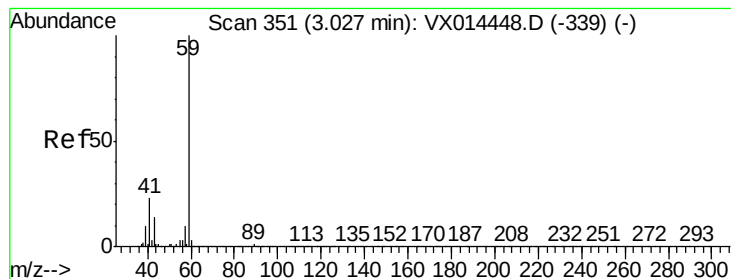
Tgt Ion: 64 Resp: 992

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



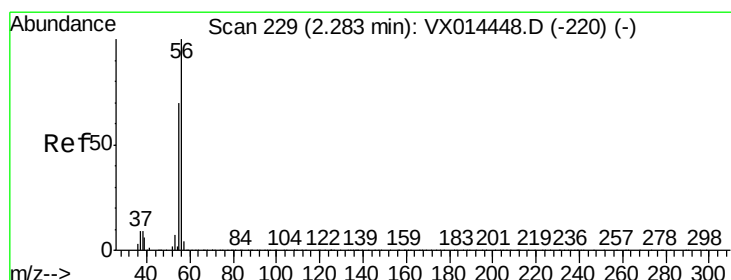
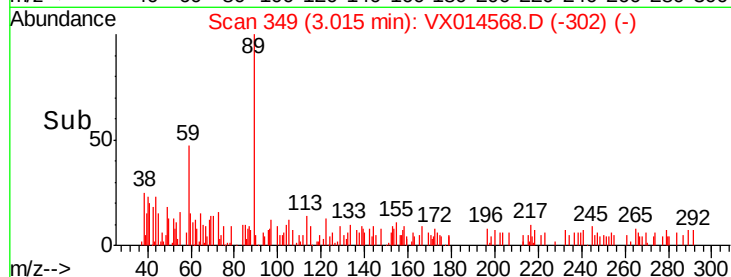
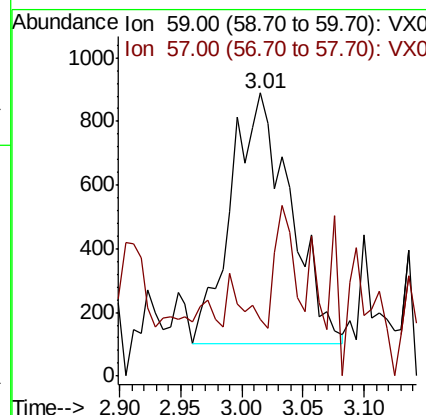
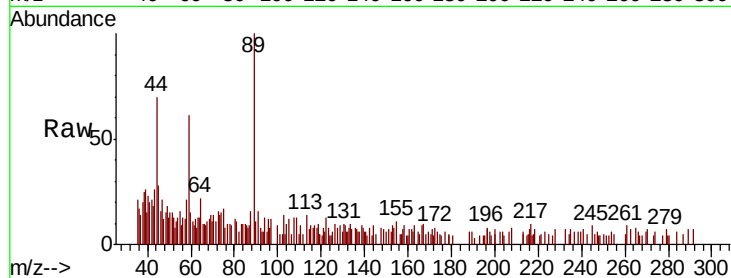


#11

Tert butyl alcohol
Concen: 2.324 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX014568.D
Acq: 11 Jan 2020 04:22

Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#14

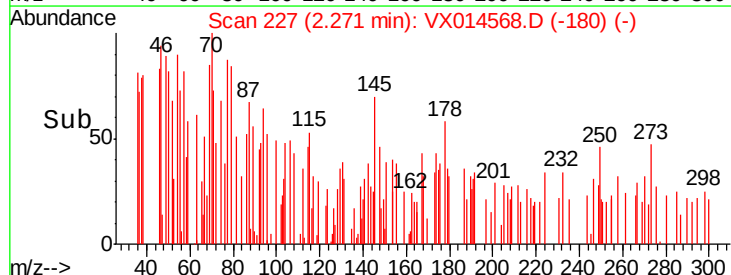
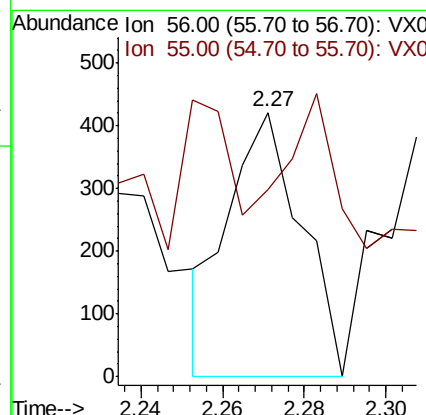
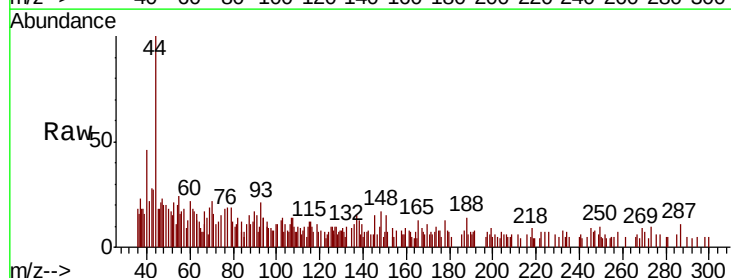
Tot Ion: 59 Resp: 2643
Ion Ratio Lower Upper
59 100
57 15.0 8.5 12.7#

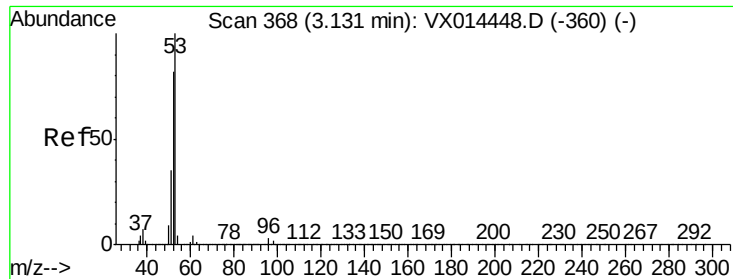


#13

Acrolein
Concen: 0.571 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX014568.D
Acq: 11 Jan 2020 04:22

Tgt Ion: 56 Resp: 521
Ion Ratio Lower Upper
56 100
55 37.4 55.0 82.6#





#15

Acrylonitrile

Concen: 0.381 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX014568.D

Acq: 11 Jan 2020 04:22

Instrument :

MSVOA_X

ClientSampleId :

PB125993ZHE#14

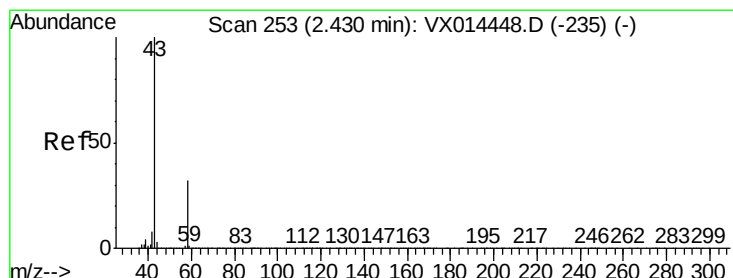
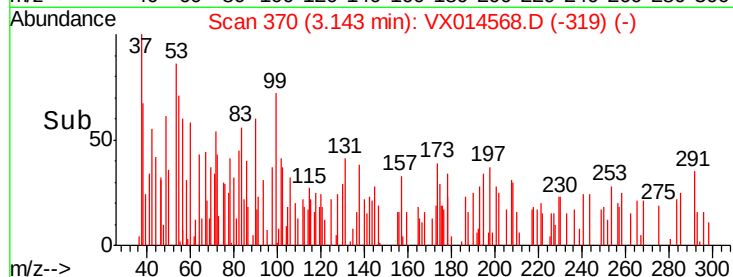
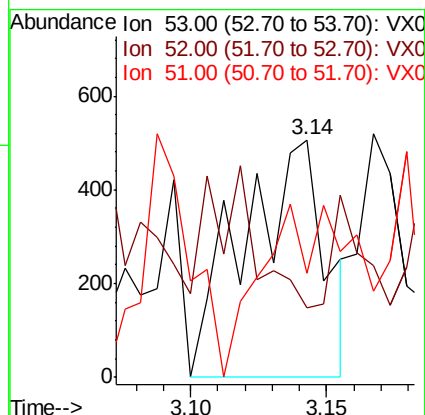
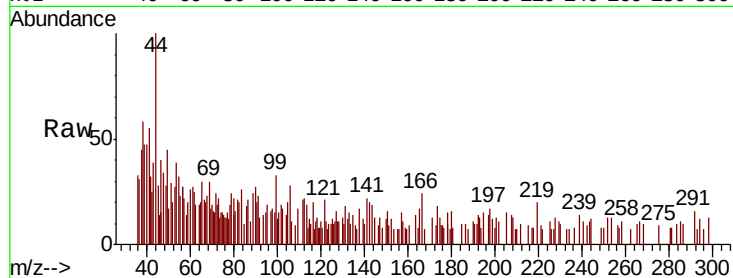
Tot Ion: 53 Resp: 1046

Ion Ratio Lower Upper

53 100

52 16.0 67.0 100.4#

51 43.1 28.5 42.7#



#16

Acetone

Concen: 2.140 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014568.D

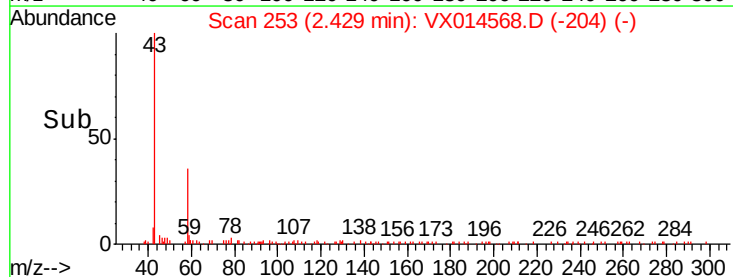
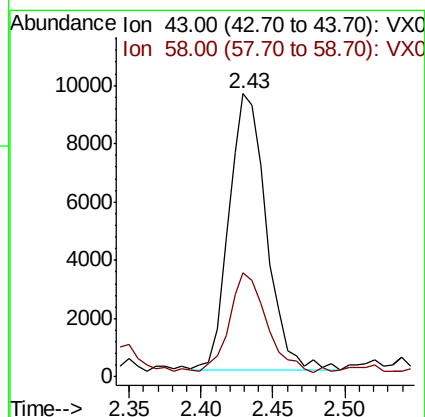
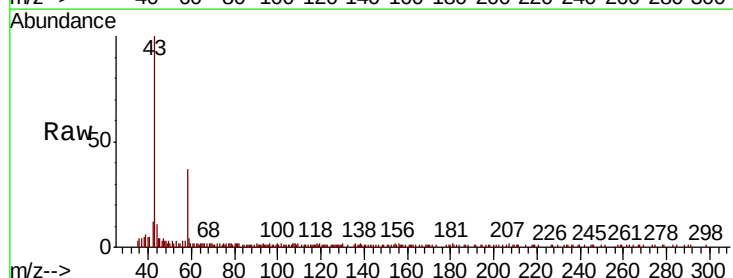
Acq: 11 Jan 2020 04:22

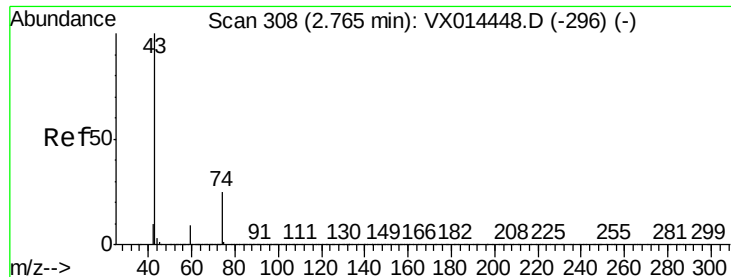
Tgt Ion: 43 Resp: 17162

Ion Ratio Lower Upper

43 100

58 35.3 25.4 38.0

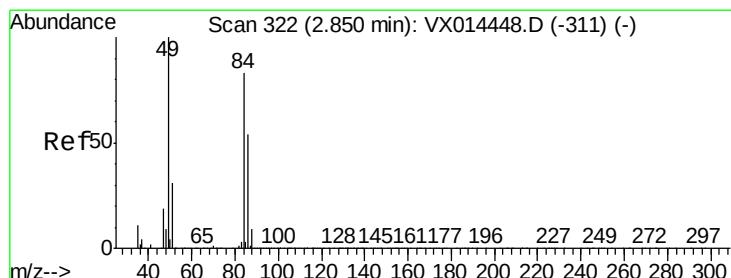
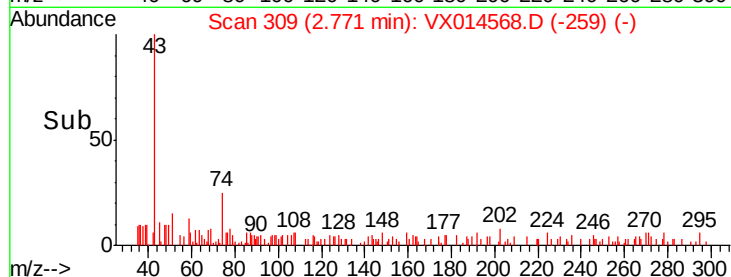
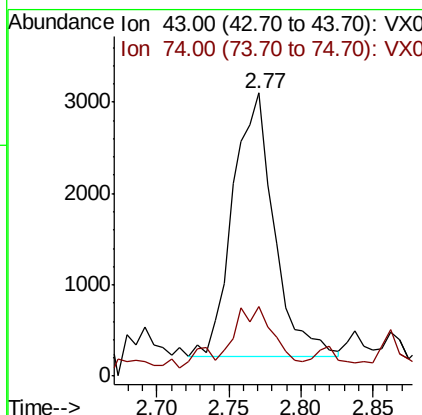
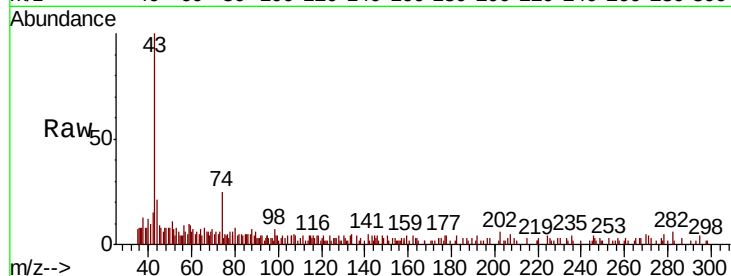




#18
Methyl Acetate
Concen: 0.741 ug/l
RT: 2.77 min Scan# 309
Delta R.T. 0.01 min
Lab File: VX014568.D
Acq: 11 Jan 2020 04:22

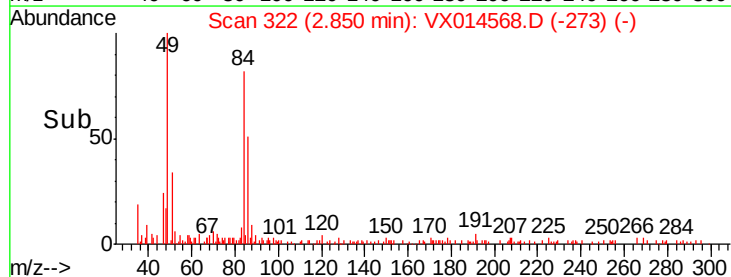
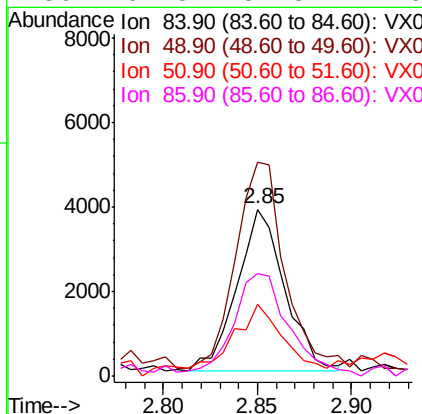
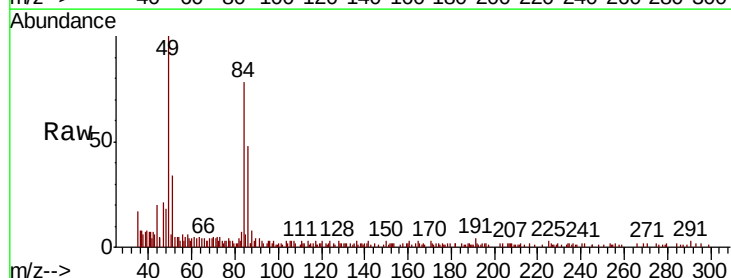
Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#14

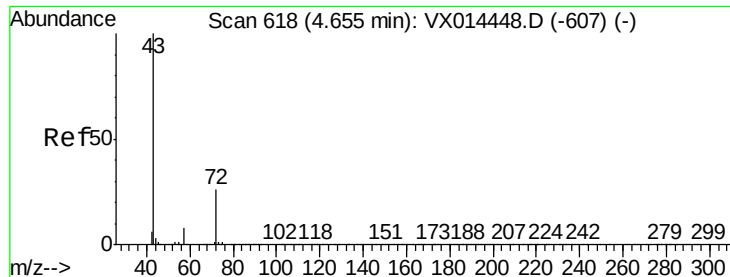
Tot Ion: 43 Resp: 5803
Ion Ratio Lower Upper
43 100
74 17.5 19.4 29.2#



#20
Methylene Chloride
Concen: 1.244 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014568.D
Acq: 11 Jan 2020 04:22

Tgt Ion: 84 Resp: 6816
Ion Ratio Lower Upper
84 100
49 130.5 95.8 143.8
51 41.0 30.2 45.4
86 61.3 51.8 77.6





#25

2-Butanone

Concen: 0.795 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX014568.D

Acq: 11 Jan 2020 04:22

Instrument :

MSVOA_X

ClientSampleId :

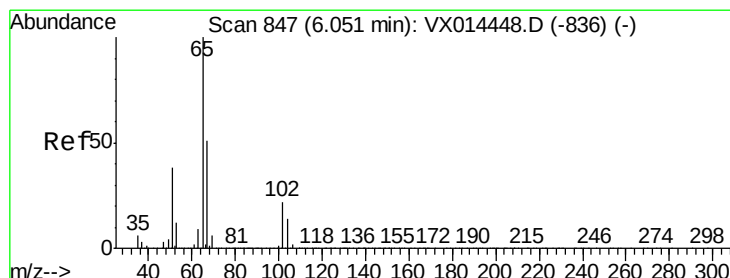
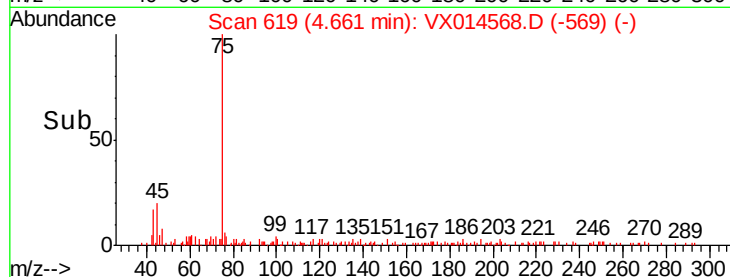
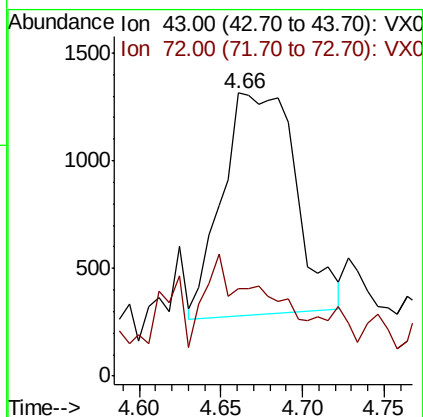
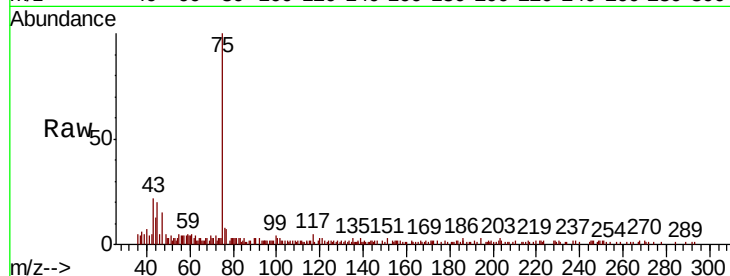
PB125993ZHE#14

Tot Ion: 43 Resp: 3234

Ion Ratio Lower Upper

43 100

72 27.4 20.6 31.0



#33

1,2-Dichloroethane-d4

Concen: 49.917 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014568.D

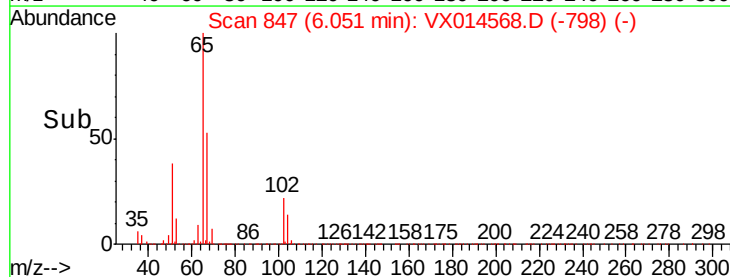
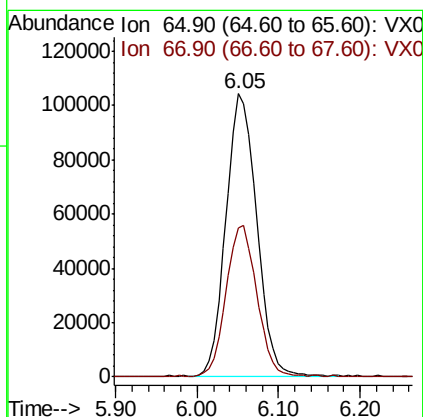
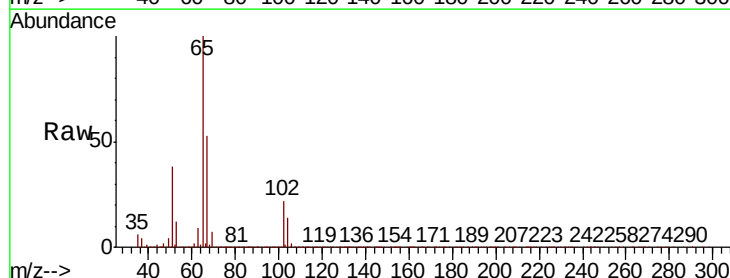
Acq: 11 Jan 2020 04:22

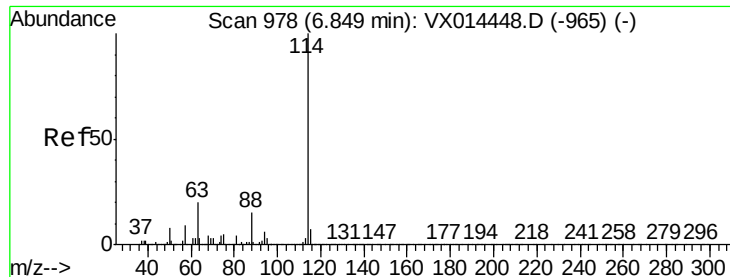
Tgt Ion: 65 Resp: 271927

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.2

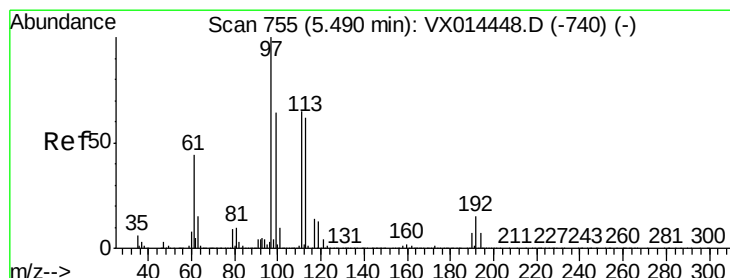
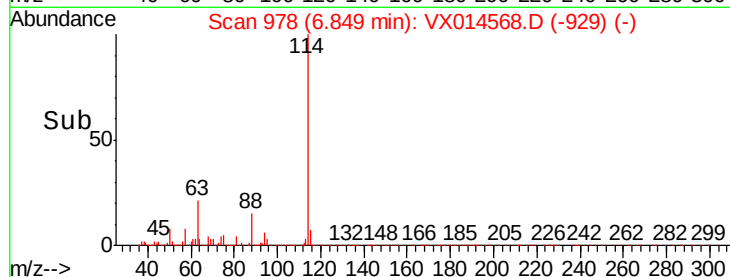
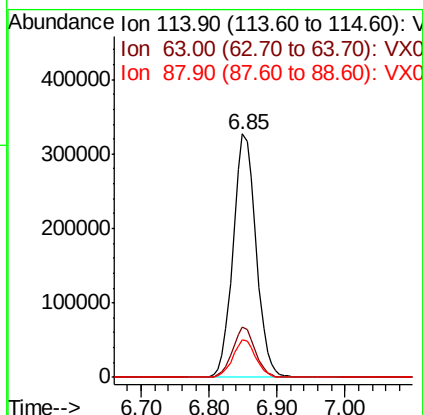
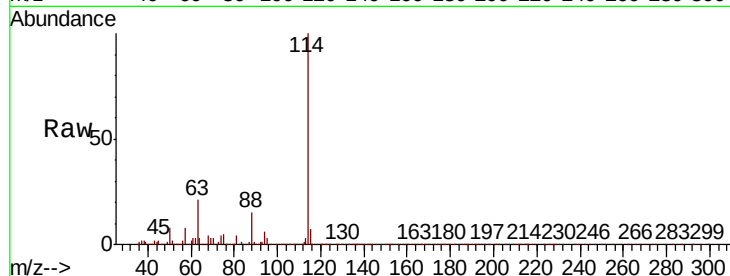




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014568.D
 Acq: 11 Jan 2020 04:22

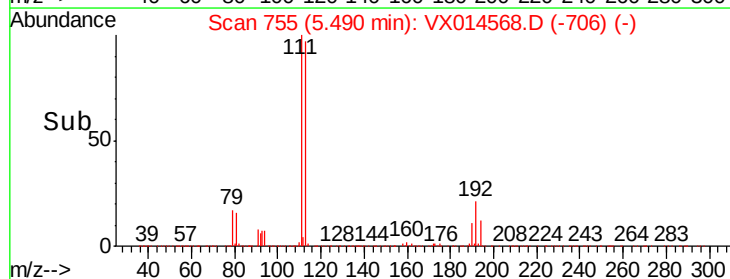
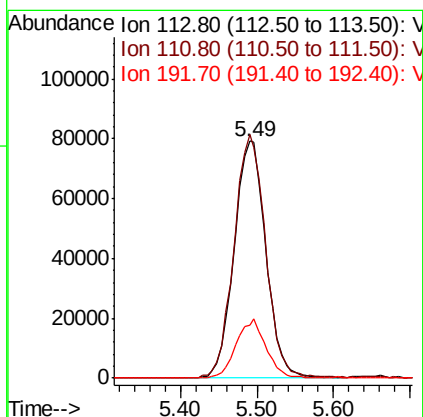
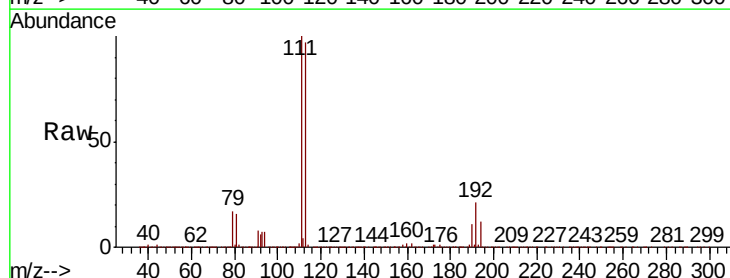
Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993ZHE#14

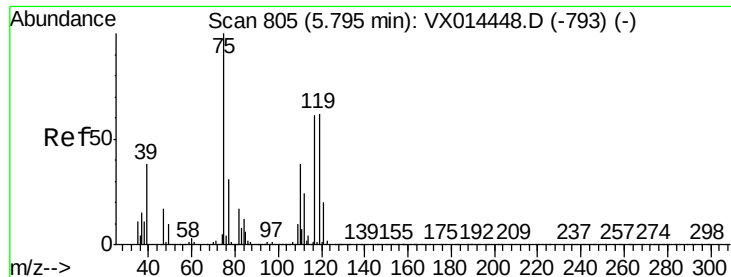
Tot Ion:	114	Resp:	764639
Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.6
88	15.4	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 49.090 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX014568.D
 Acq: 11 Jan 2020 04:22

Tgt Ion:	113	Resp:	227221
Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.5	122.3
192	23.6	19.2	28.8

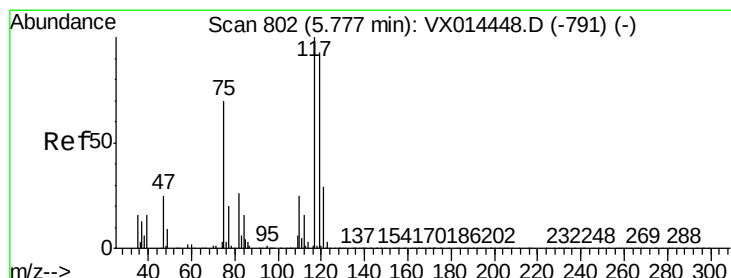
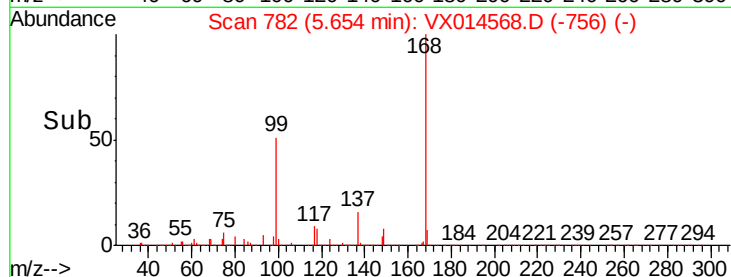
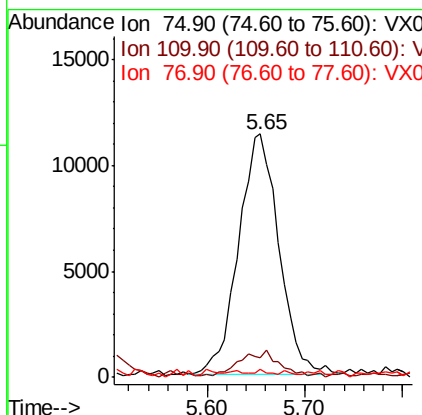
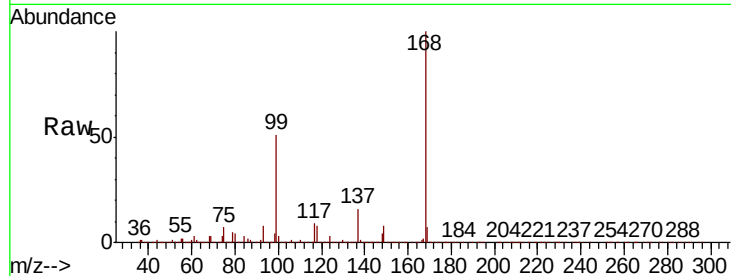




#36
 1,1-Dichloropropene
 Concen: 4.529 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014568.D
 Acq: 11 Jan 2020 04:22

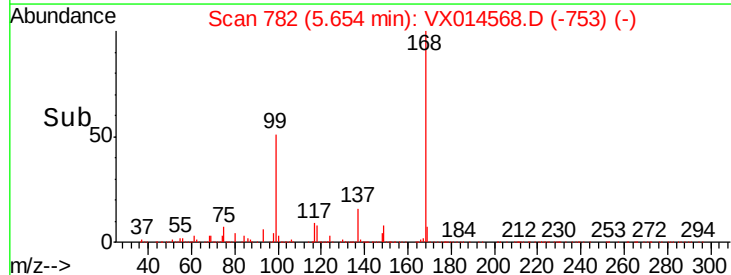
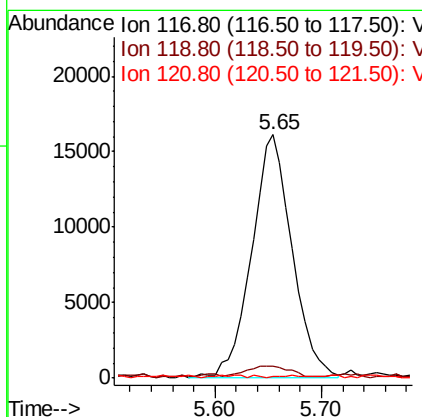
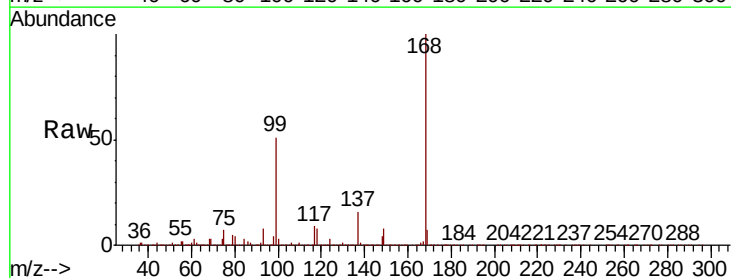
Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993ZHE#14

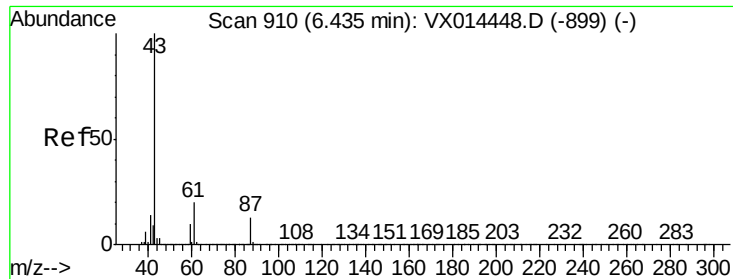
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.6	18.6	55.8#
77	0.9	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.475 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014568.D
 Acq: 11 Jan 2020 04:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	73.8	110.8#
121	0.0	23.4	35.0#



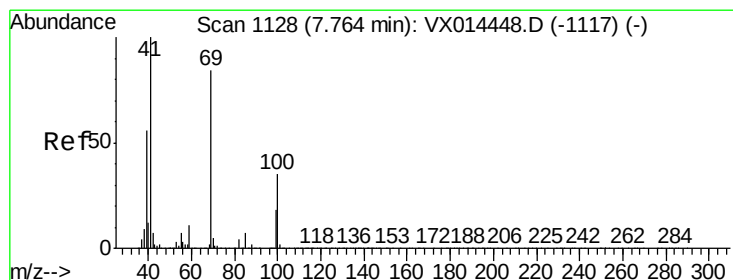
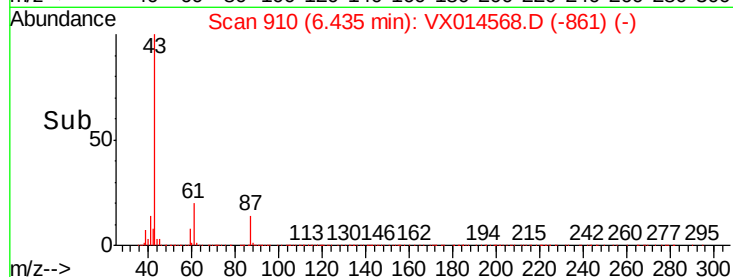
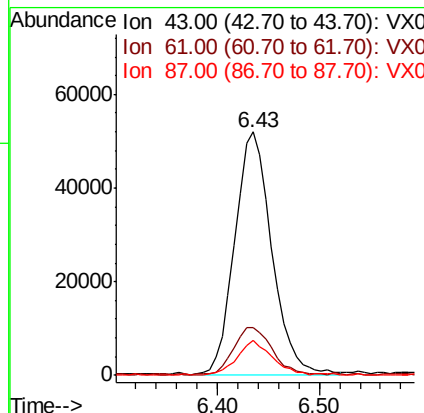
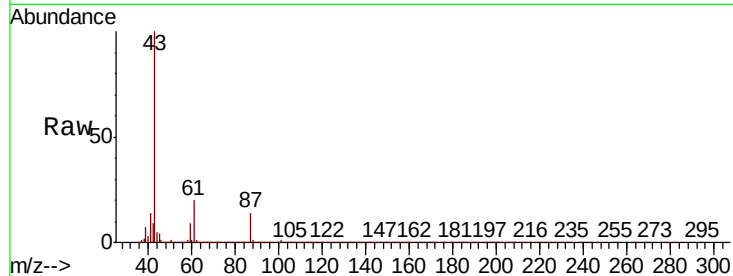


#43

Isopropyl Acetate
 Concen: 10.454 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX014568.D
 Acq: 11 Jan 2020 04:22

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993ZHE#14

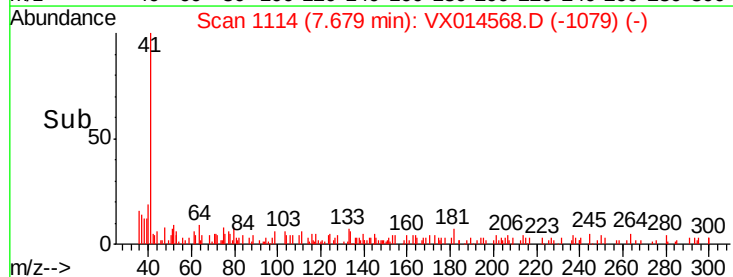
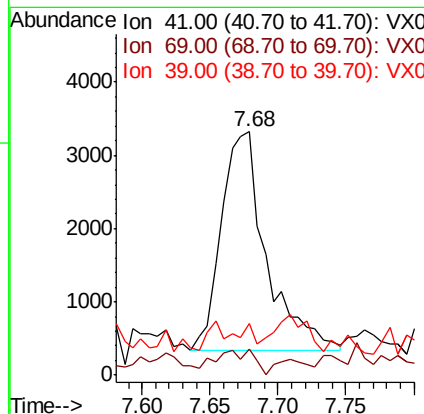
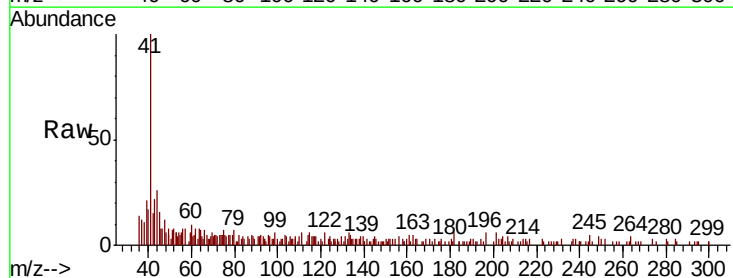
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.6	24.8
87	13.0	10.8	16.2

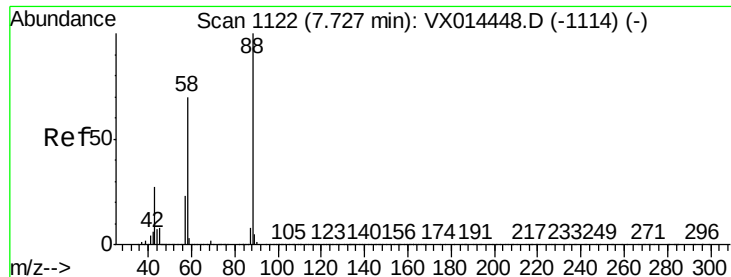


#48

Methyl methacrylate
 Concen: 1.129 ug/l
 RT: 7.68 min Scan# 1114
 Delta R.T. -0.09 min
 Lab File: VX014568.D
 Acq: 11 Jan 2020 04:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	9.7	65.5	98.3#
39	0.0	43.9	65.9#





#49

1,4-Dioxane

Concen: 1.226 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VX014568.D

Acq: 11 Jan 2020 04:22

Instrument :

MSVOA_X

ClientSampleId :

PB125993ZHE#14

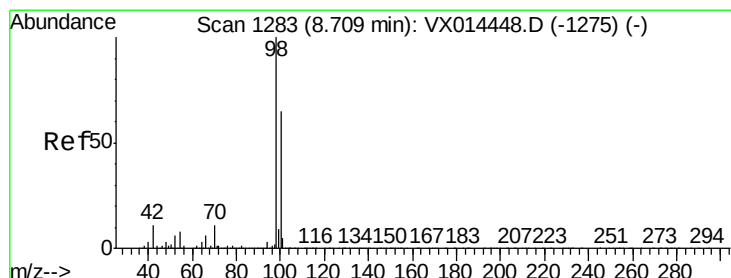
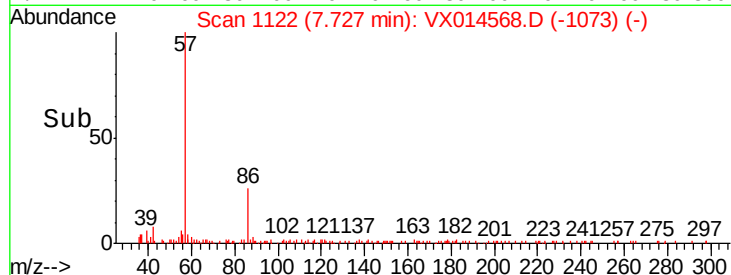
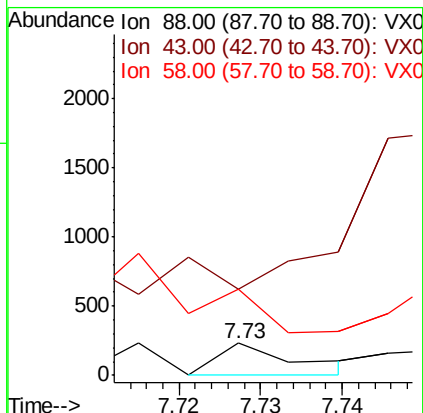
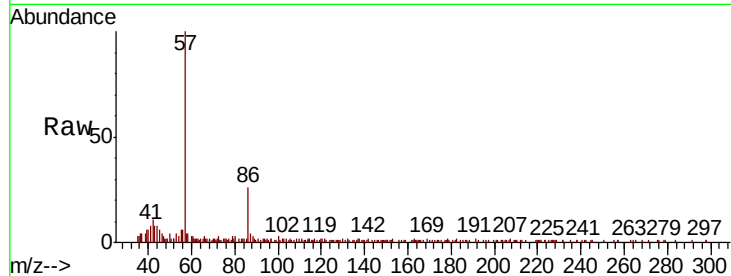
Tot Ion: 88 Resp: 157

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 0.0 57.1 85.7#



#50

Toluene-d8

Concen: 50.783 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014568.D

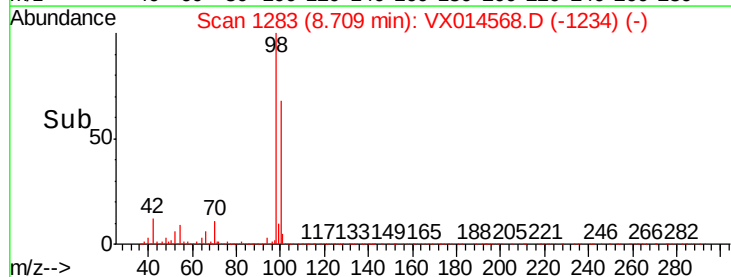
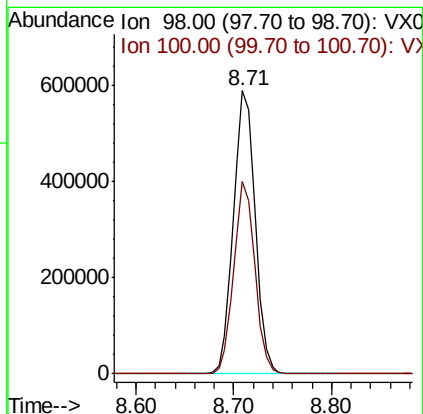
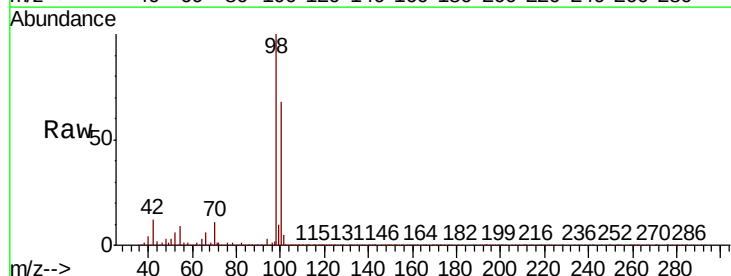
Acq: 11 Jan 2020 04:22

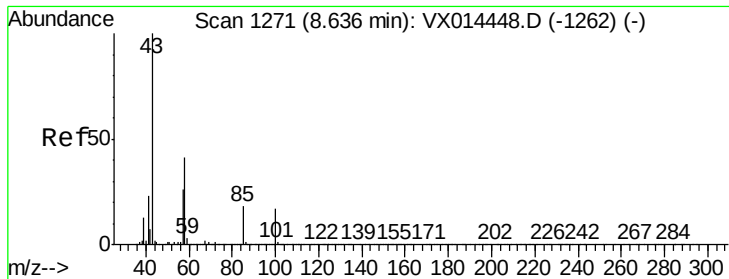
Tgt Ion: 98 Resp: 912183

Ion Ratio Lower Upper

98 100

100 65.7 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 16.157 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014568.D

Acq: 11 Jan 2020 04:22

Instrument :

MSVOA_X

ClientSampleId :

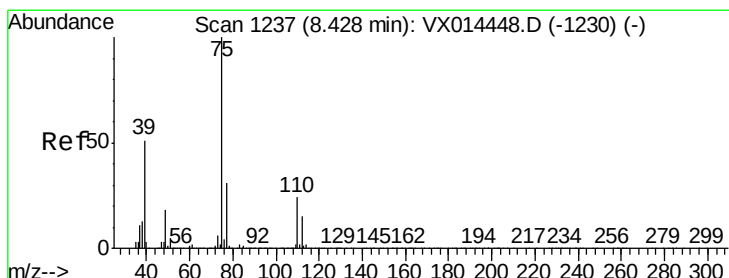
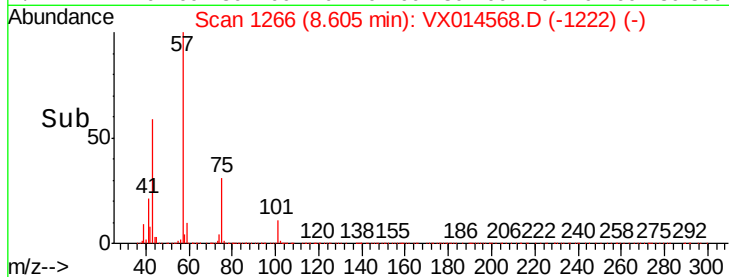
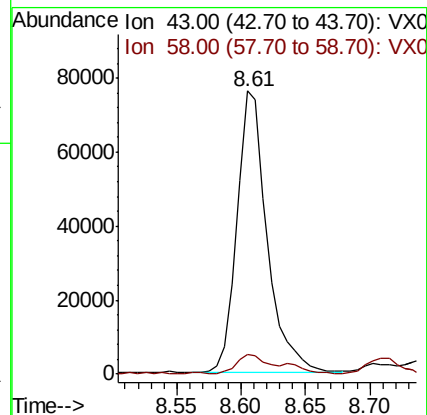
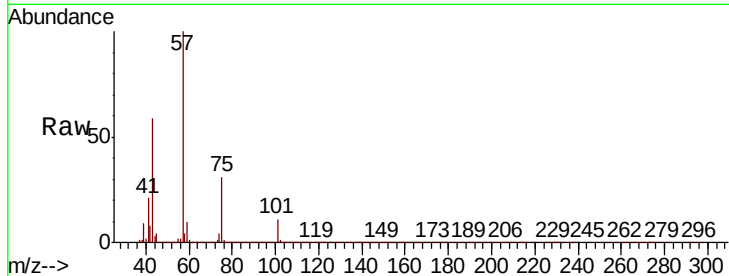
PB125993ZHE#14

Tot Ion: 43 Resp: 124228

Ion Ratio Lower Upper

43 100

58 6.8 32.4 48.6#



#54

cis-1,3-Dichloropropene

Concen: 6.778 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX014568.D

Acq: 11 Jan 2020 04:22

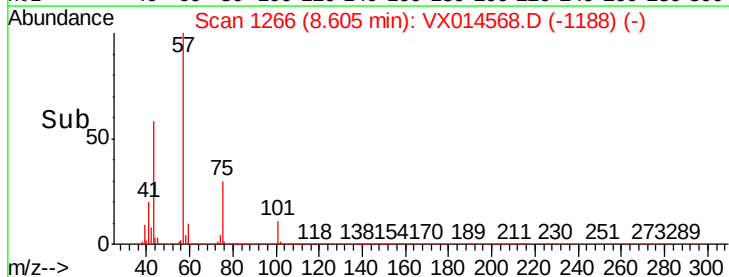
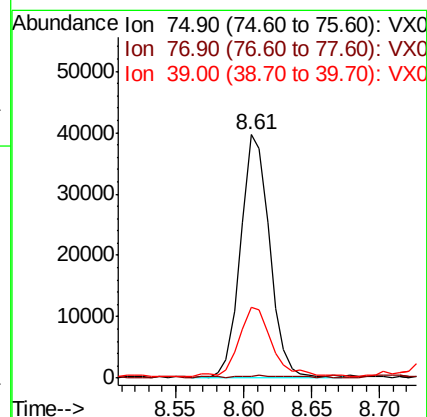
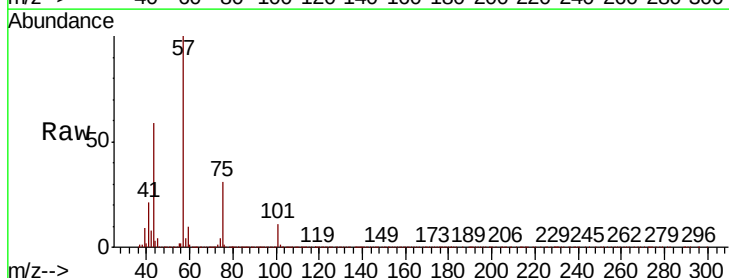
Tgt Ion: 75 Resp: 58904

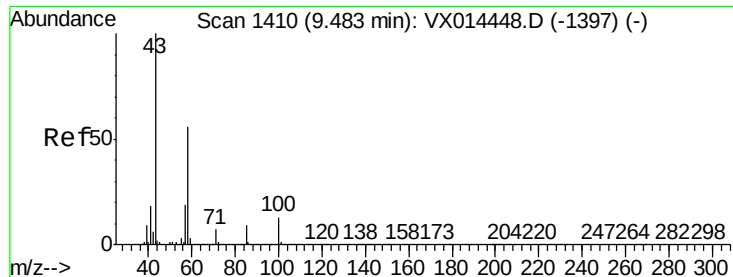
Ion Ratio Lower Upper

75 100

77 0.5 25.0 37.4#

39 28.2 40.7 61.1#

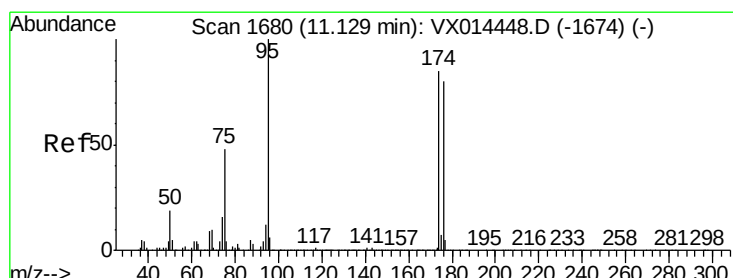
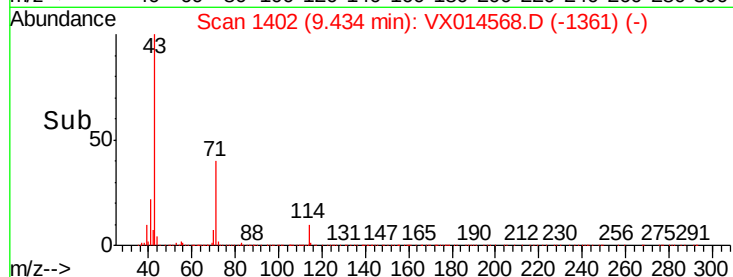
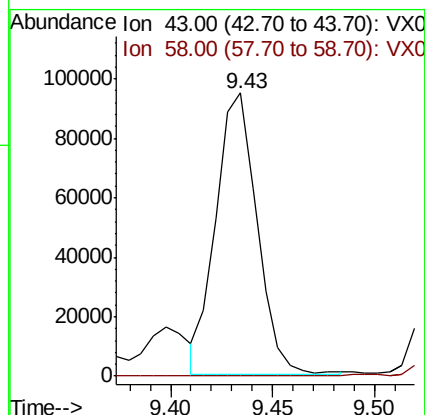
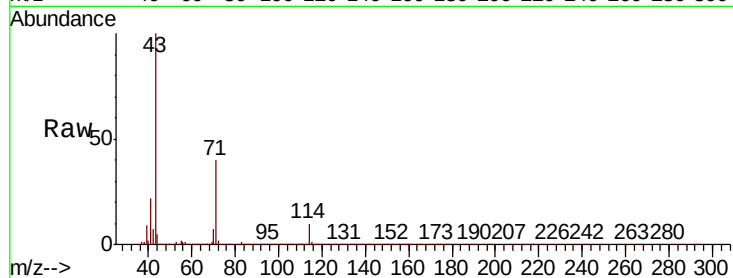




#59
2-Hexanone
Concen: 21.906 ug/l
RT: 9.43 min Scan# 1402
Delta R.T. -0.05 min
Lab File: VX014568.D
Acq: 11 Jan 2020 04:22

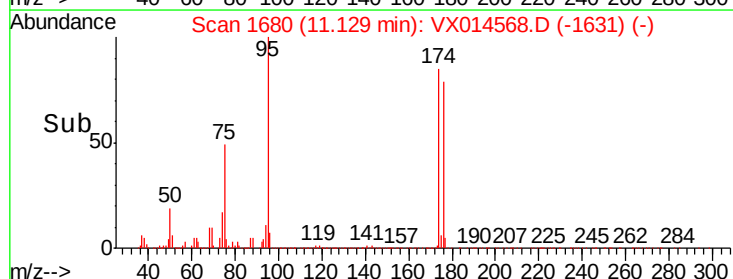
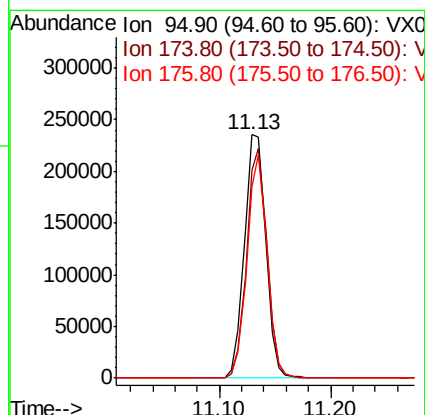
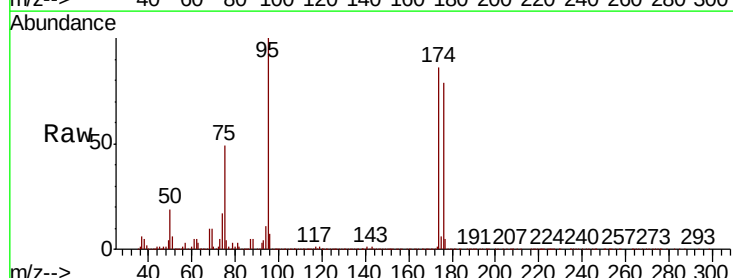
Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#14

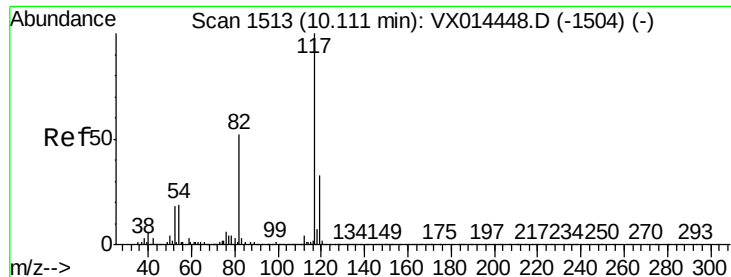
Tot Ion: 43 Resp: 133266
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.7#



#62
4-Bromofluorobenzene
Concen: 47.719 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014568.D
Acq: 11 Jan 2020 04:22

Tgt Ion: 95 Resp: 314667
Ion Ratio Lower Upper
95 100
174 89.9 0.0 180.8
176 85.6 0.0 172.8

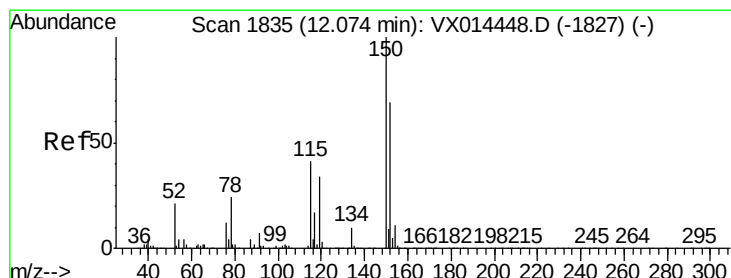
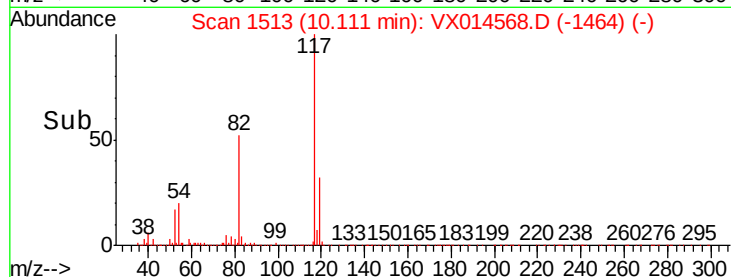
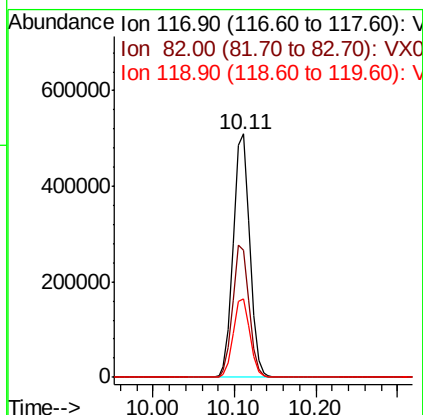
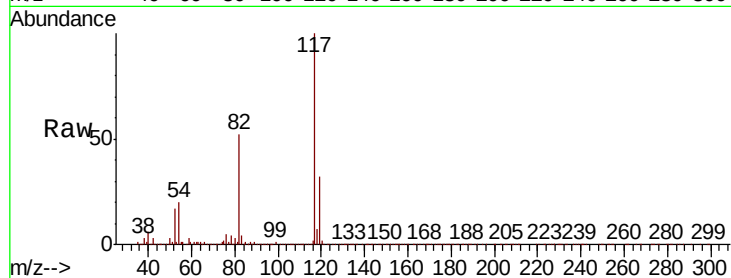




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014568.D
Acq: 11 Jan 2020 04:22

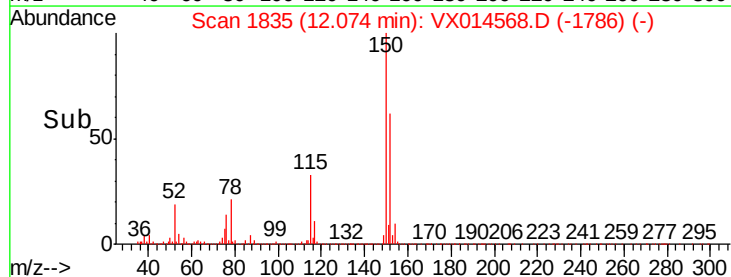
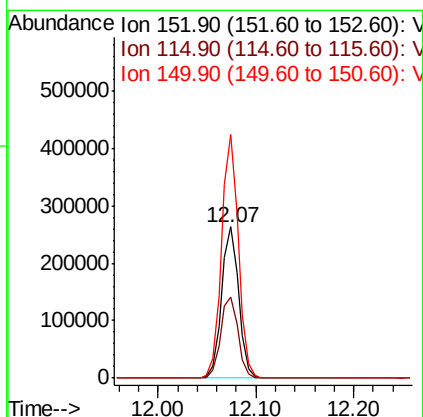
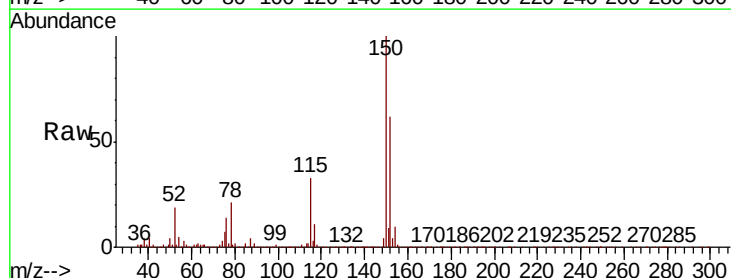
Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#14

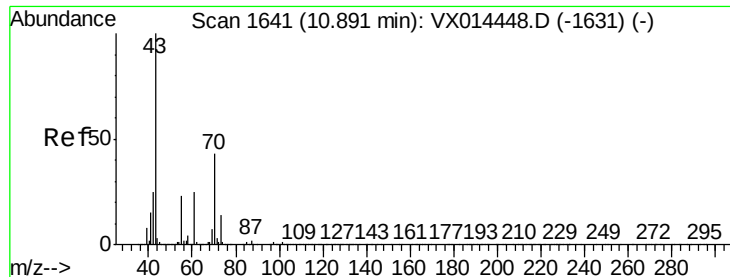
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.6
119	32.1	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014568.D
Acq: 11 Jan 2020 04:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	39.5	118.3
150	158.7	0.0	350.2

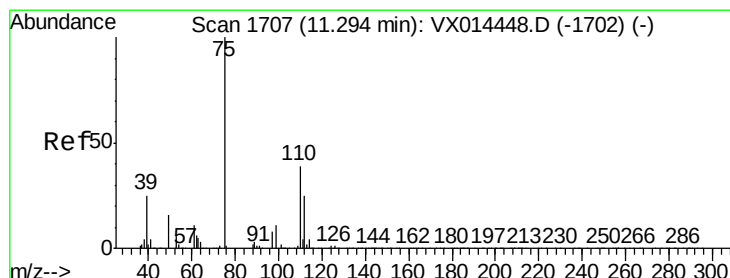
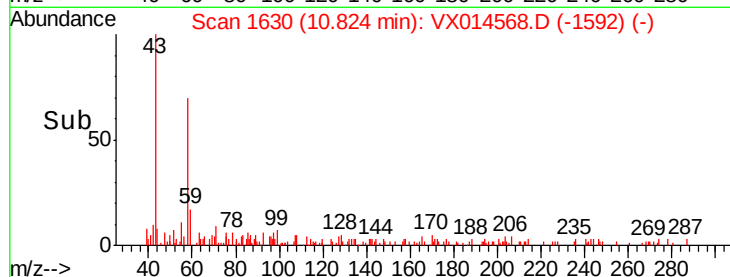
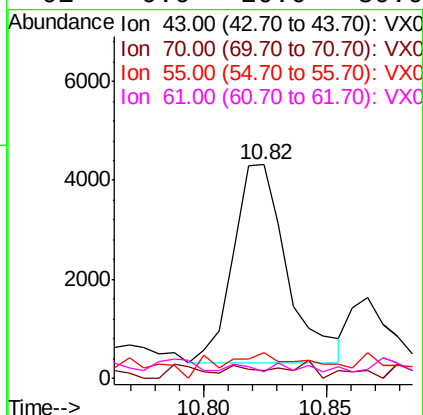
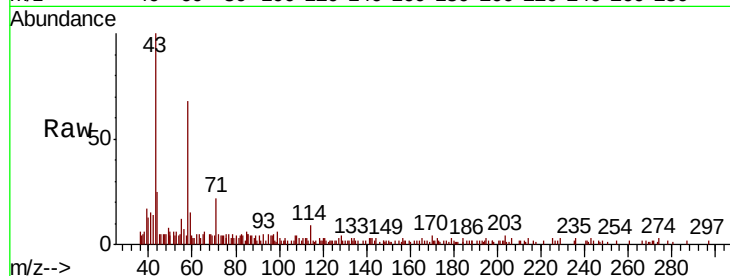




#74
N-amvl acetate
Concen: 0.625 ug/l
RT: 10.82 min Scan# 1630
Delta R.T. -0.07 min
Lab File: VX014568.D
Acq: 11 Jan 2020 04:22

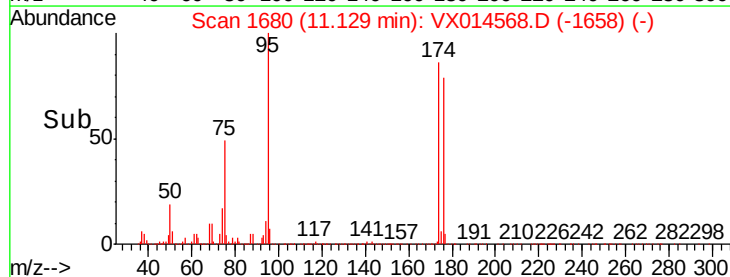
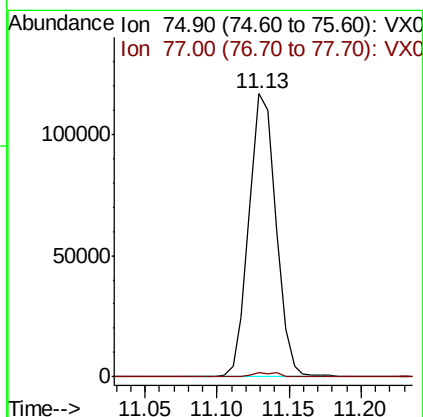
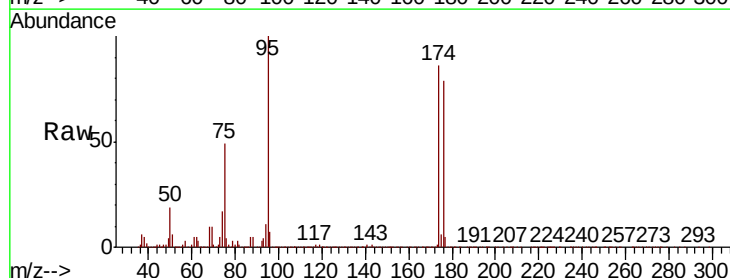
Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#14

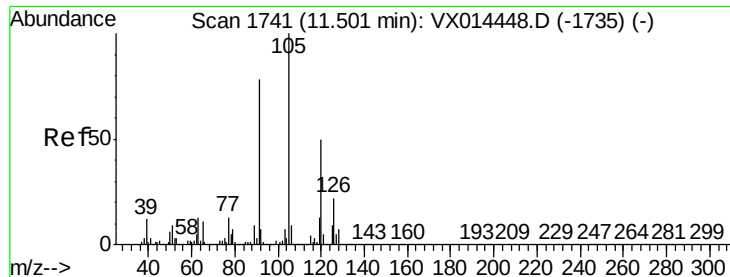
Tot Ion:	43	Resp:	6139
Ion	Ratio	Lower	Upper
43	100		
70	1.5	35.1	52.7#
55	22.8	19.3	28.9
61	0.0	20.0	30.0#



#76
1,2,3-Trichloropropane
Concen: 23.066 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014568.D
Acq: 11 Jan 2020 04:22

Tgt Ion:	75	Resp:	151325
Ion	Ratio	Lower	Upper
75	100		
77	1.6	21.9	65.7#





#80

1,3,5-Trimethylbenzene

Concen: 0.221 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014568.D

Acq: 11 Jan 2020 04:22

Instrument :

MSVOA_X

ClientSampleId :

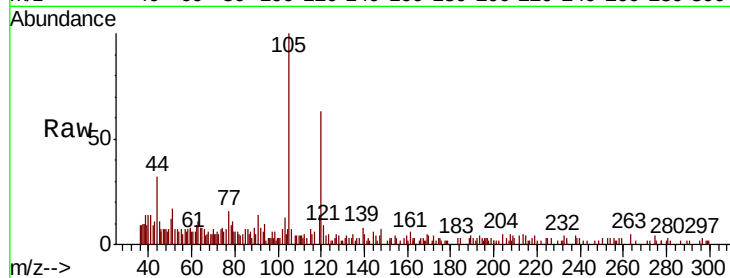
PB125993ZHE#14

Tot Ion:105 Resp: 4084

Ion Ratio Lower Upper

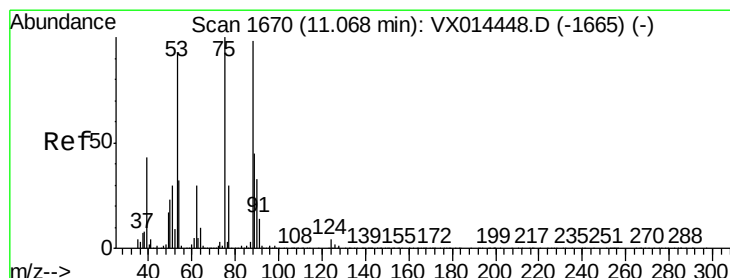
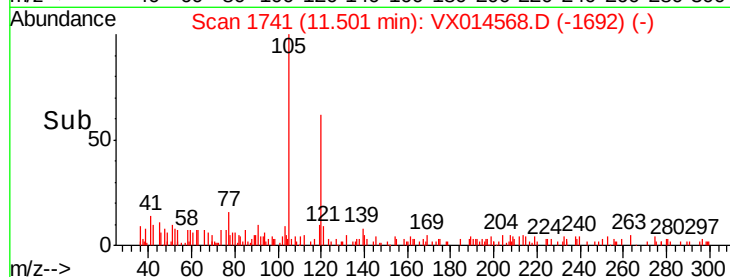
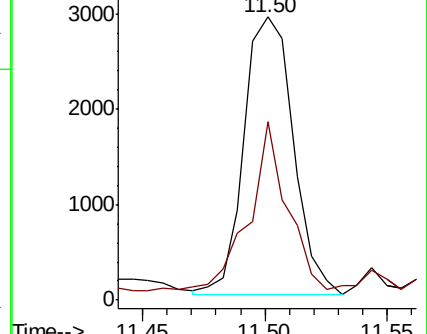
105 100

120 50.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 60.982 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014568.D

Acq: 11 Jan 2020 04:22

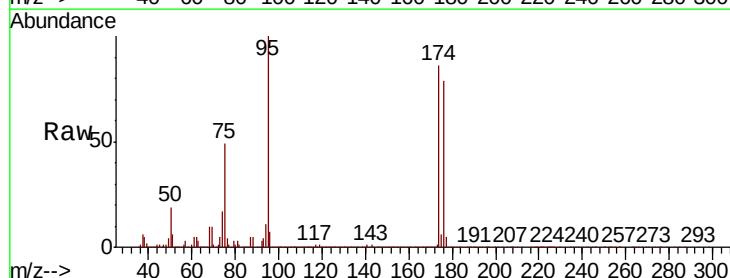
Tgt Ion: 75 Resp: 151325

Ion Ratio Lower Upper

75 100

53 0.1 74.8 112.2#

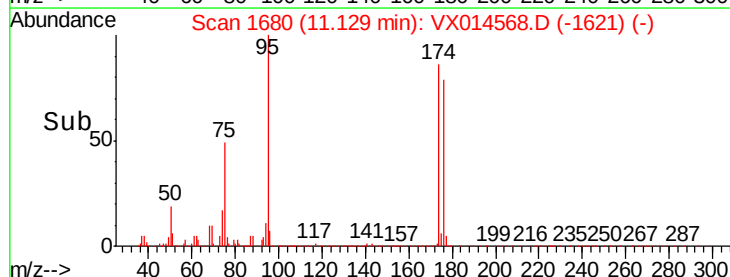
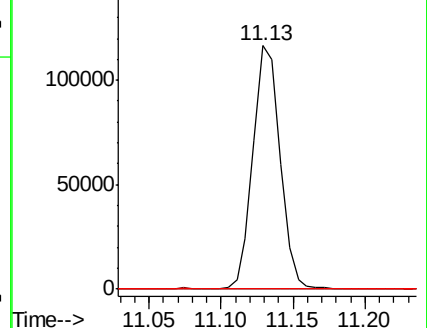
89 0.1 36.3 54.5#

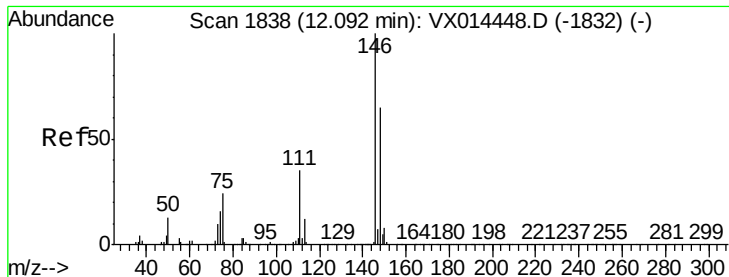


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

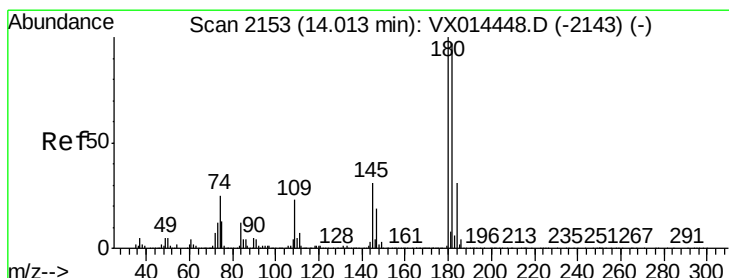
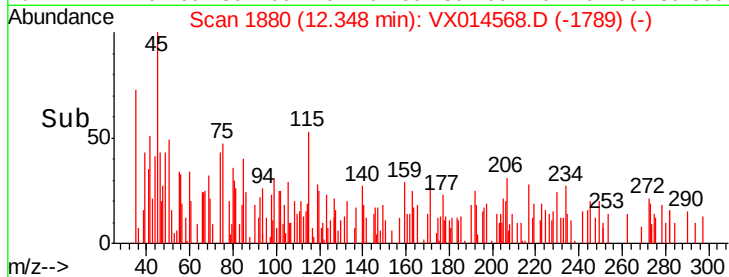
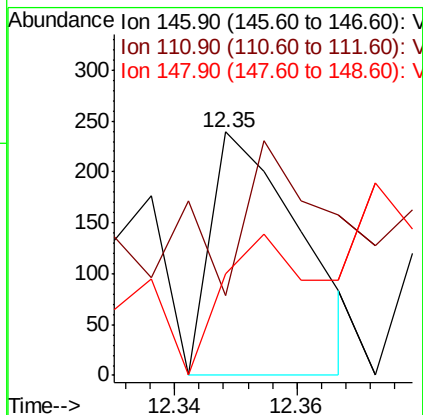
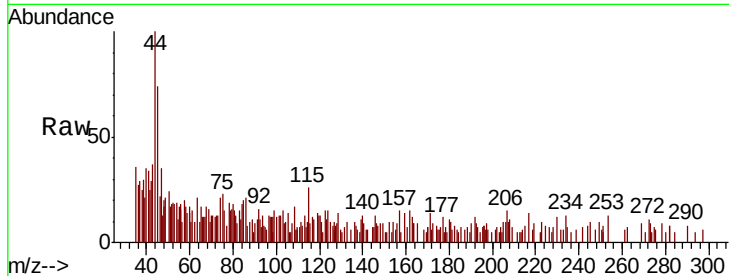




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.35 min Scan# 1880
 Delta R.T. 0.26 min
 Lab File: VX014568.D
 Acq: 11 Jan 2020 04:22

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993ZHE#14

Tot Ion:146 Resp: 243
 Ion Ratio Lower Upper
 146 100
 111 49.8 18.1 54.1
 148 64.2 32.1 96.3



#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.00 min Scan# 2151
 Delta R.T. -0.01 min
 Lab File: VX014568.D
 Acq: 11 Jan 2020 04:22

Tgt Ion:180 Resp: 335
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.6#
 145 0.0 14.8 44.3#

