

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010920\
 Data File : VX014518.D
 Acq On : 09 Jan 2020 23:35
 Operator : JC/SP
 Sample : PB125964ZHE#11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125964ZHE#11

Quant Time: Jan 10 06:54:04 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

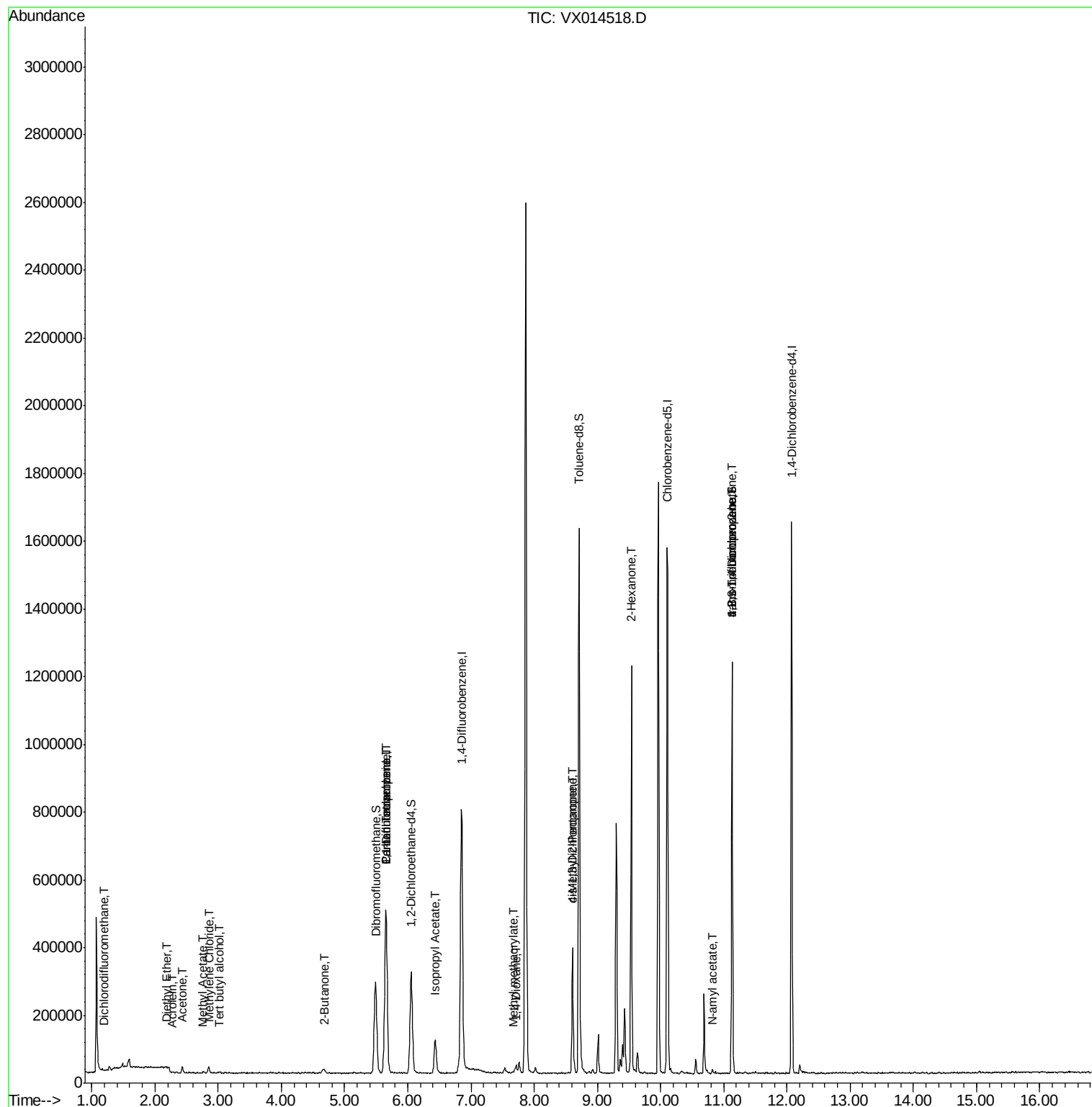
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	503672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	791730	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	722261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	333473	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	282454	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
35) Dibromofluoromethane	5.49	113	235648	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
50) Toluene-d8	8.71	98	944709	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.13	95	324571	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	187	0.282	ug/l #	57
6) Chloroethane	1.72	64	721	Below Cal	#	47
8) Diethyl Ether	2.19	74	1210	0.327	ug/l	80
11) Tert butyl alcohol	3.01	59	3354	2.857	ug/l	97
13) Acrolein	2.28	56	293	0.311	ug/l	83
16) Acetone	2.43	43	20170	3.026	ug/l	89
18) Methyl Acetate	2.76	43	6142	0.760	ug/l #	86
20) Methylene Chloride	2.85	84	10174	1.799	ug/l	91
25) 2-Butanone	4.68	43	7910	1.883	ug/l #	87
36) 1,1-Dichloropropene	5.65	75	34206	4.594	ug/l #	50
38) Carbon Tetrachloride	5.65	117	44848	6.546	ug/l #	16
43) Isopropyl Acetate	6.44	43	132610	10.150	ug/l	99
48) Methyl methacrylate	7.67	41	6638	1.061	ug/l #	19
49) 1,4-Dioxane	7.72	88	278	2.097	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	127922	16.068	ug/l #	44
54) cis-1,3-Dichloropropene	8.61	75	61261	6.808	ug/l #	57
59) 2-Hexanone	9.54	43	138269	21.950	ug/l #	50
74) N-amyl acetate	10.82	43	6583	0.637	ug/l #	50
76) 1,2,3-Trichloropropane	11.13	75	160733	23.296	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	160733	61.590	ug/l #	12
88) 1,4-Dichlorobenzene	12.01	146	566	Below Cal		83
93) 1,2,4-Trichlorobenzene	13.63	180	321	Below Cal	#	49
96) 1,2,3-Trichlorobenzene	14.01	180	500	Below Cal	#	74

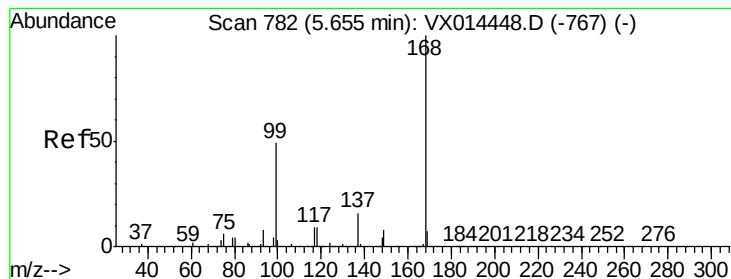
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VX014518.D

Acq: 09 Jan 2020 23:35

Instrument :

MSVOA_X

ClientSampleId :

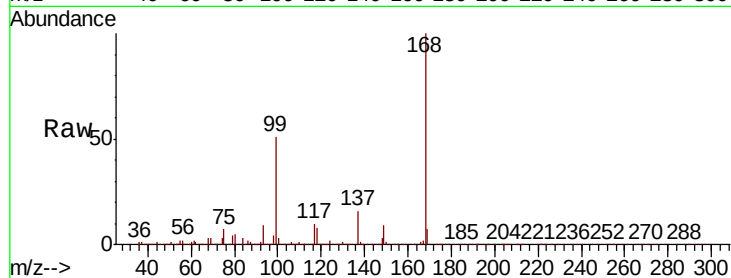
PB125964ZHE#11

Tot Ion:168 Resp: 503672

Ion Ratio Lower Upper

168 100

99 51.0 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

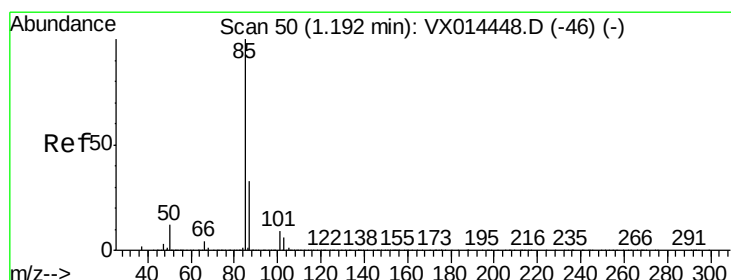
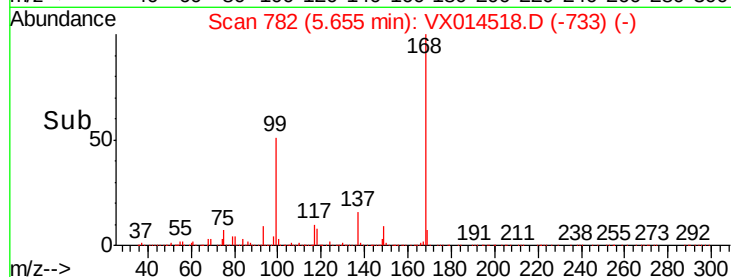
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.282 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014518.D

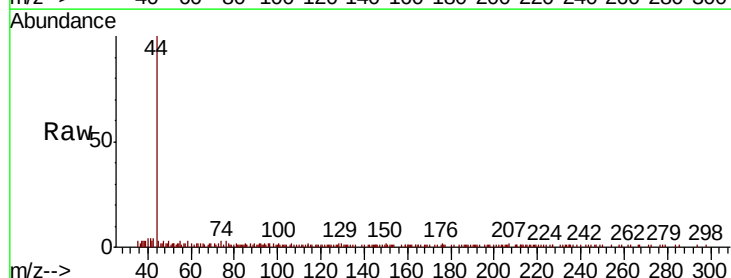
Acq: 09 Jan 2020 23:35

Tgt Ion: 85 Resp: 187

Ion Ratio Lower Upper

85 100

87 8.4 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

300

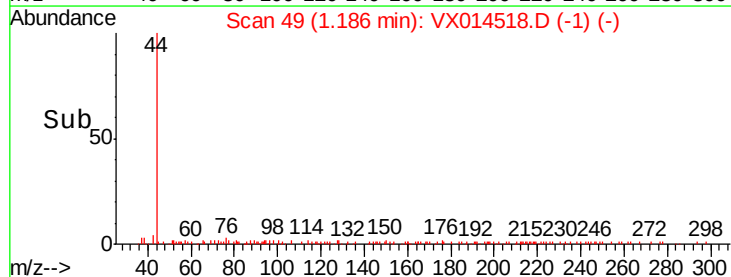
200

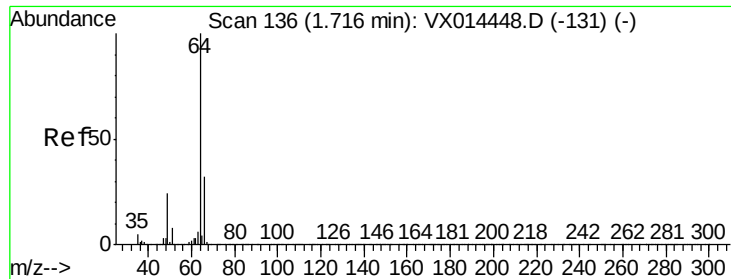
100

0

Time-->

1.16 1.18 1.20





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX014518.D

Acq: 09 Jan 2020 23:35

Instrument :

MSVOA_X

ClientSampleId :

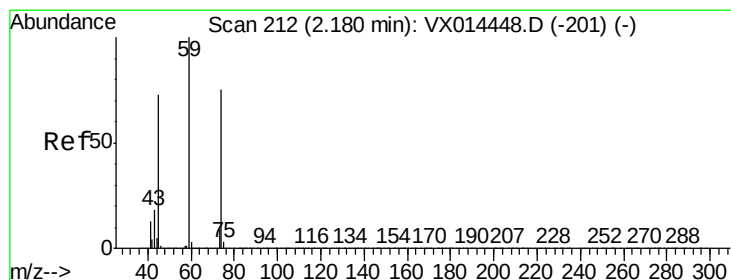
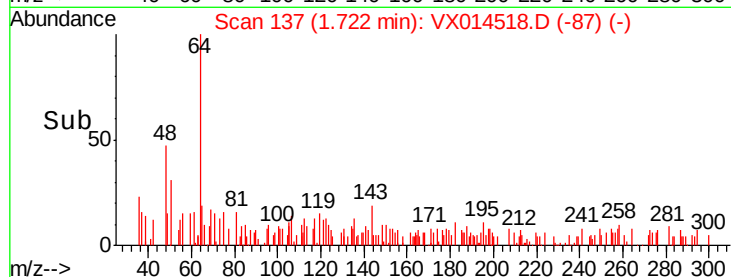
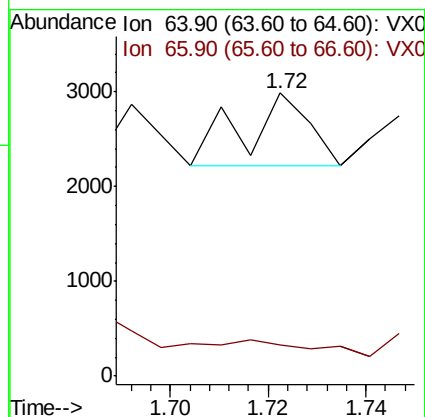
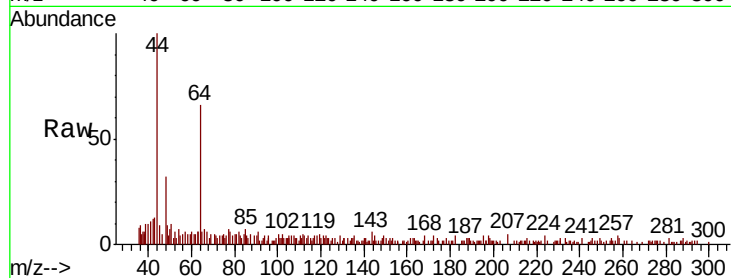
PB125964ZHE#11

Tot Ion: 64 Resp: 721

Ion Ratio Lower Upper

64 100

66 2.3 25.3 37.9#



#8

Diethyl Ether

Concen: 0.327 ug/l

RT: 2.19 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX014518.D

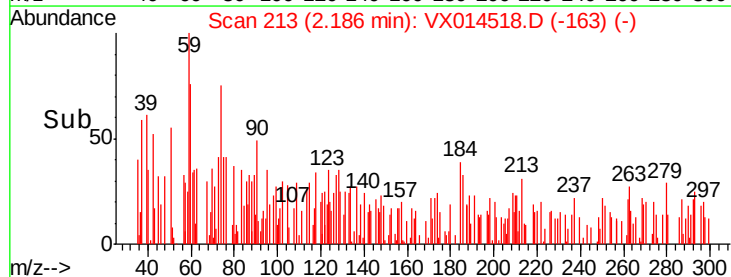
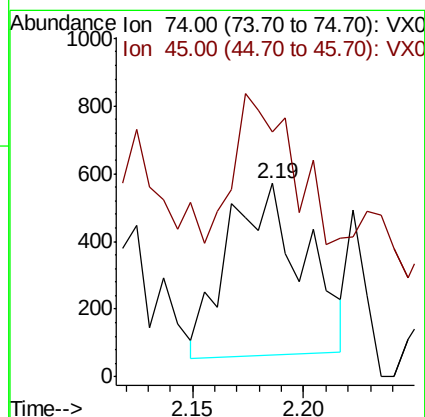
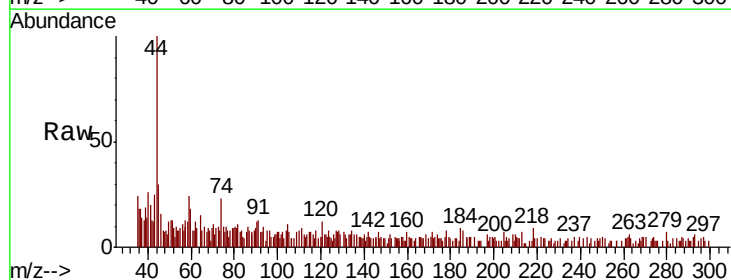
Acq: 09 Jan 2020 23:35

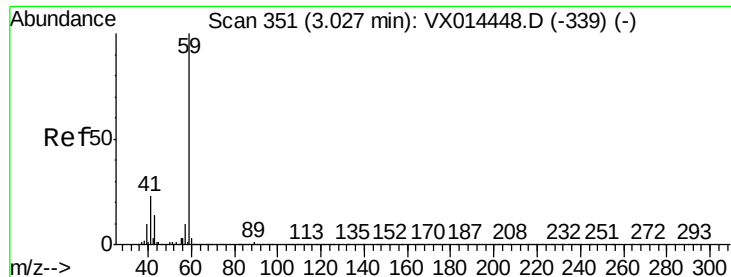
Tgt Ion: 74 Resp: 1210

Ion Ratio Lower Upper

74 100

45 77.9 48.7 146.1



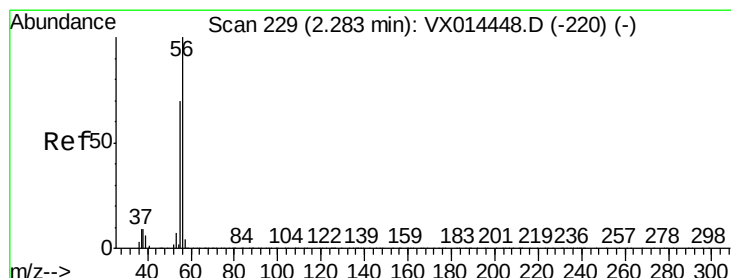
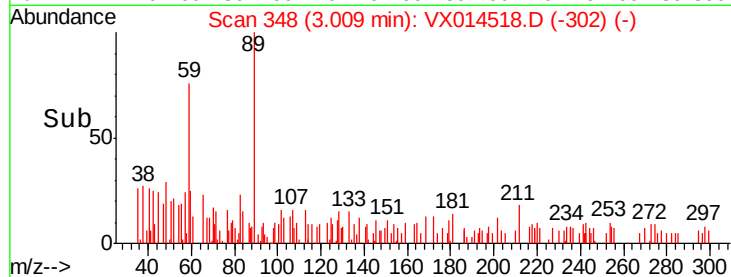
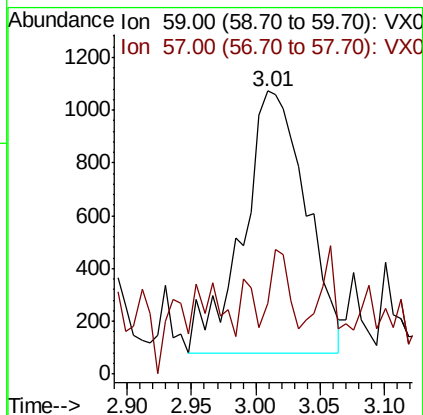
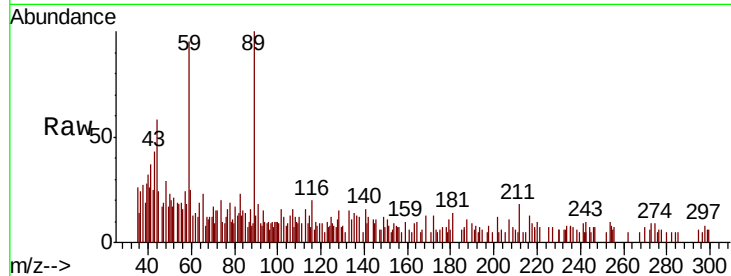


#11

Tert butyl alcohol
 Concen: 2.857 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VX014518.D
 Acq: 09 Jan 2020 23:35

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125964ZHE#11

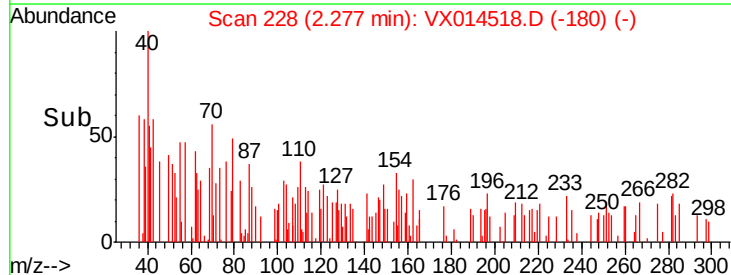
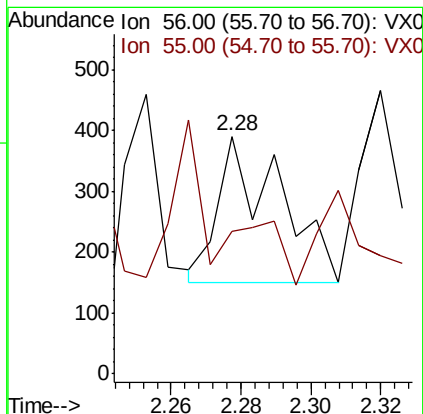
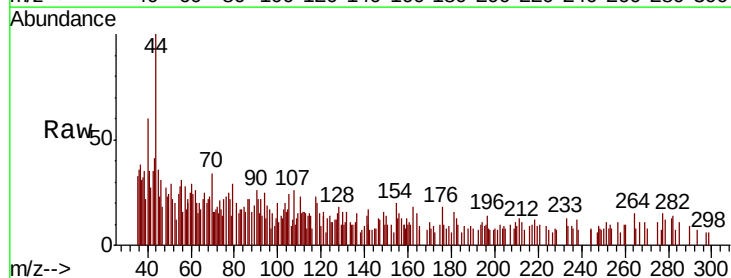
Tot Ion: 59 Resp: 3354
 Ion Ratio Lower Upper
 59 100
 57 11.9 8.5 12.7

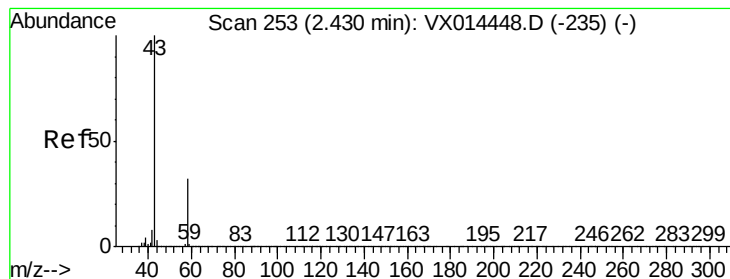


#13

Acrolein
 Concen: 0.311 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VX014518.D
 Acq: 09 Jan 2020 23:35

Tgt Ion: 56 Resp: 293
 Ion Ratio Lower Upper
 56 100
 55 55.3 55.0 82.6





#16

Acetone

Concen: 3.026 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014518.D

Acq: 09 Jan 2020 23:35

Instrument :

MSVOA_X

ClientSampleId :

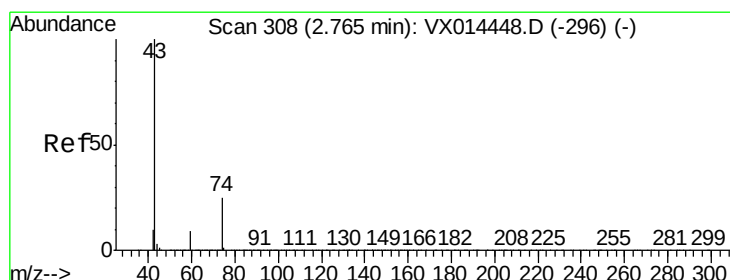
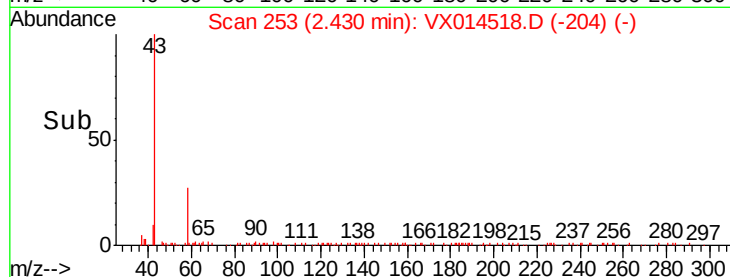
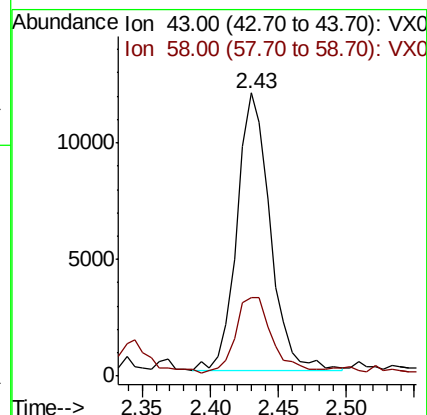
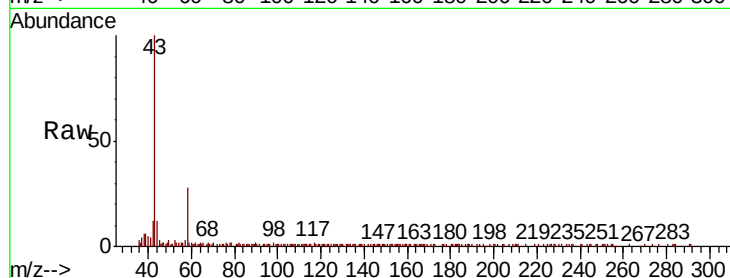
PB125964ZHE#11

Tot Ion: 43 Resp: 20170

Ion Ratio Lower Upper

43 100

58 25.7 25.4 38.0



#18

Methyl Acetate

Concen: 0.760 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014518.D

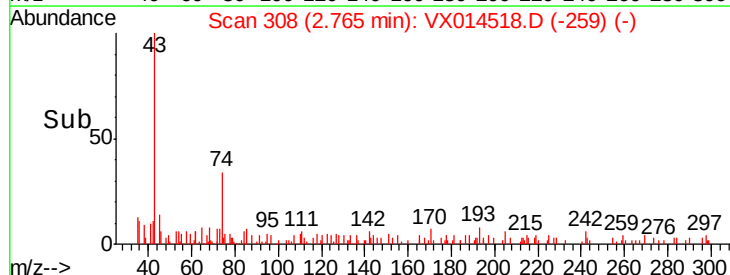
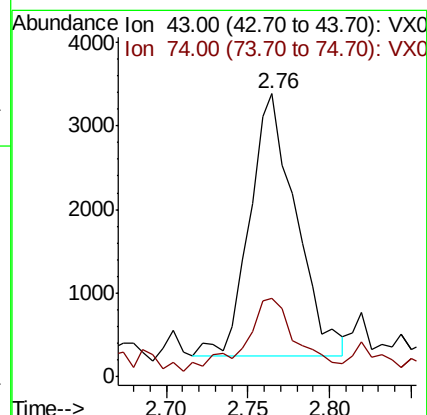
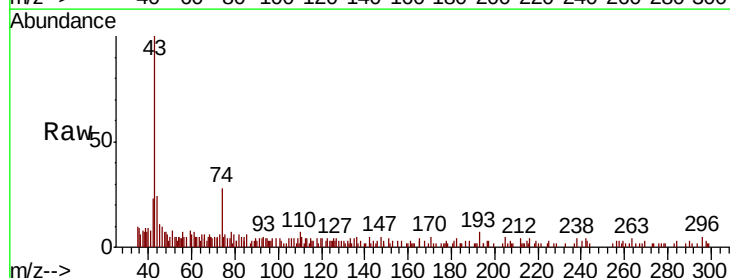
Acq: 09 Jan 2020 23:35

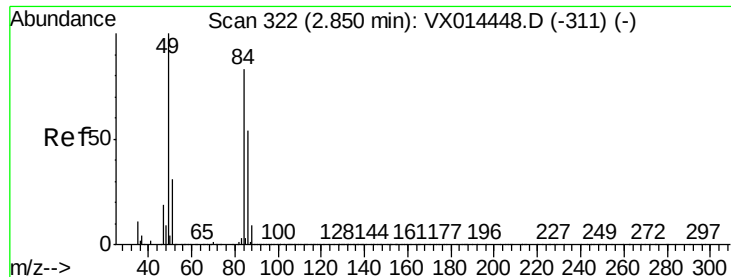
Tgt Ion: 43 Resp: 6142

Ion Ratio Lower Upper

43 100

74 31.0 19.4 29.2#

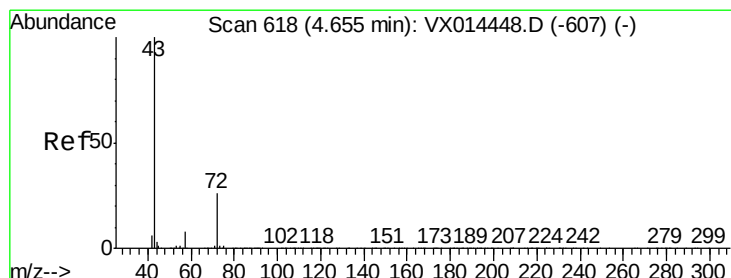
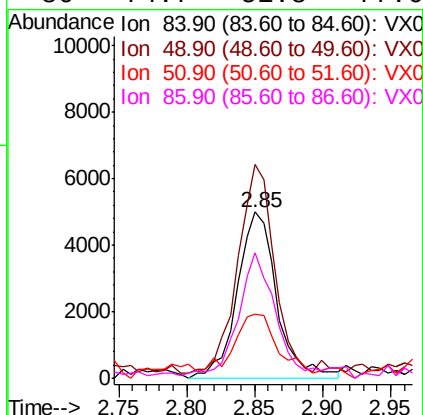
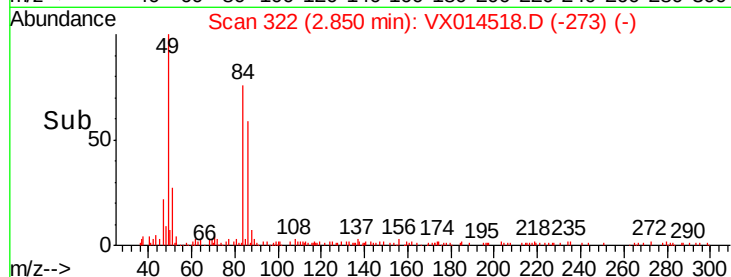
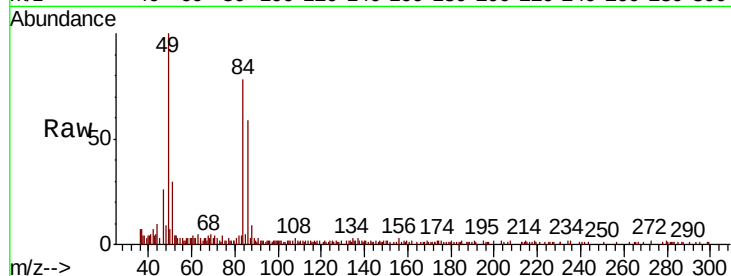




#20
Methvlene Chloride
Concen: 1.799 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014518.D
Acq: 09 Jan 2020 23:35

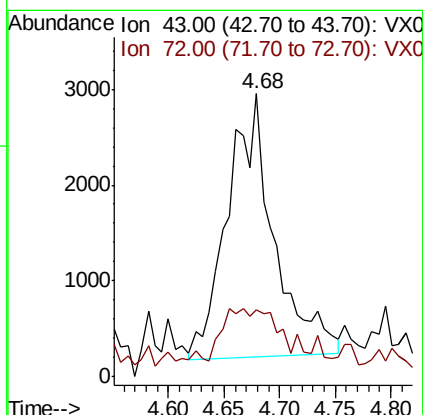
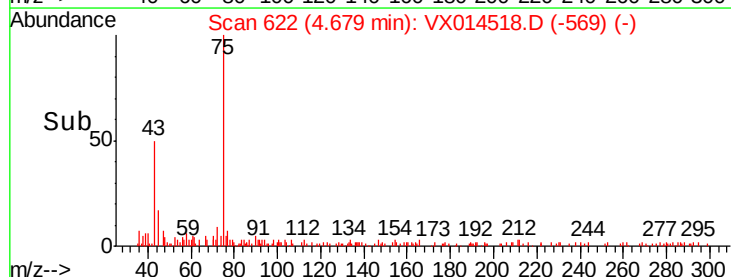
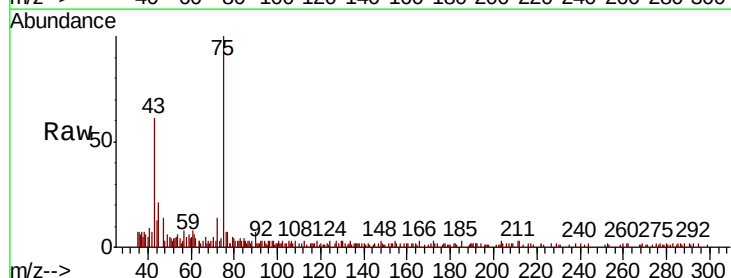
Instrument :
MSVOA_X
ClientSampleId :
PB125964ZHE#11

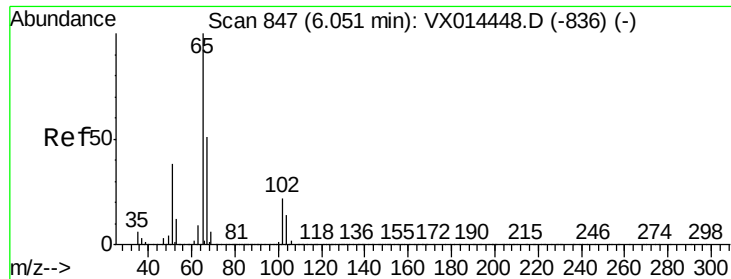
Tot Ion:	84	Resp:	10174
Ion	Ratio	Lower	Upper
84	100		
49	128.8	95.8	143.8
51	33.1	30.2	45.4
86	74.7	51.8	77.6



#25
2-Butanone
Concen: 1.883 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014518.D
Acq: 09 Jan 2020 23:35

Tgt Ion:	43	Resp:	7910
Ion	Ratio	Lower	Upper
43	100		
72	19.3	20.6	31.0#

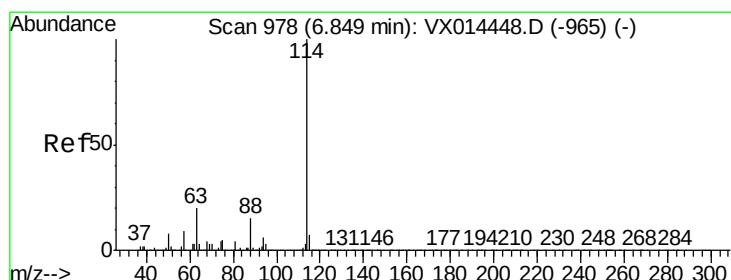
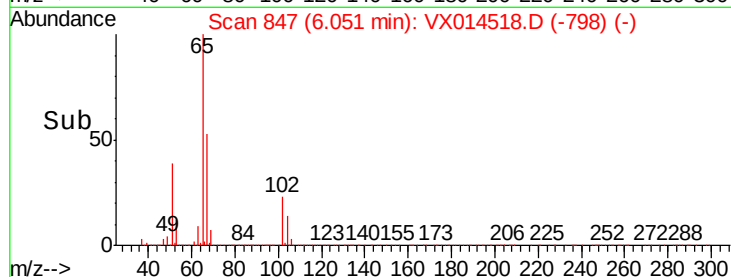
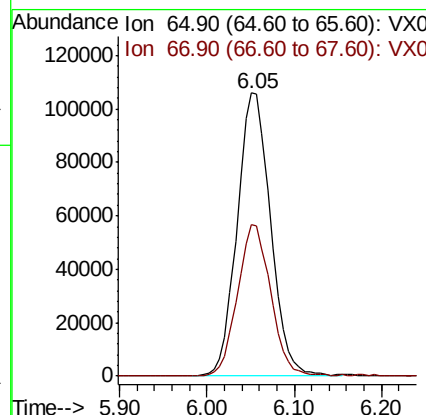
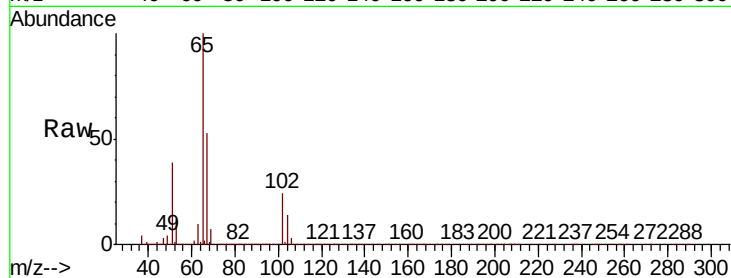




#33
 1,2-Dichloroethane-d4
 Concen: 50.235 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014518.D
 Acq: 09 Jan 2020 23:35

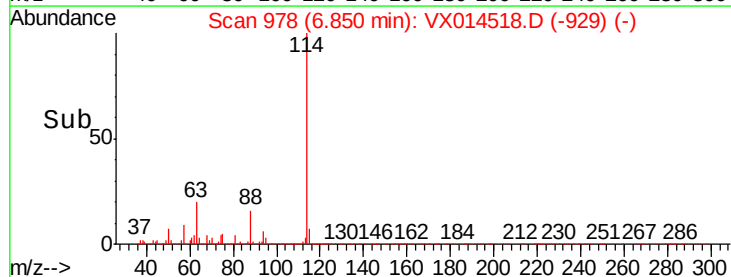
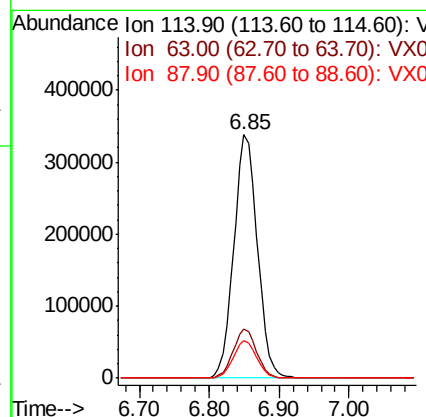
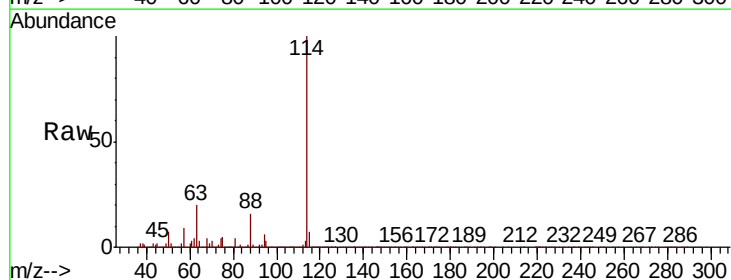
Instrument :
 MSVOA_X
 ClientSampleId :
 PB125964ZHE#11

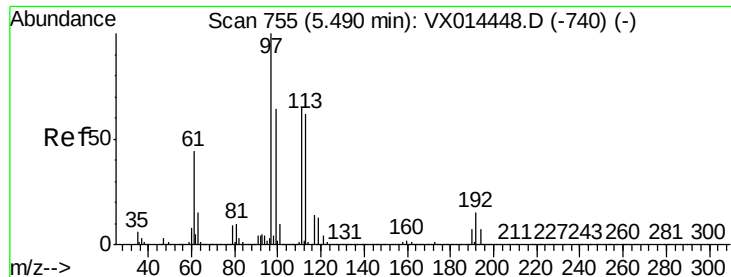
Tot Ion: 65 Resp: 282454
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014518.D
 Acq: 09 Jan 2020 23:35

Tgt Ion: 114 Resp: 791730
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.6
 88 15.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.168 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014518.D

Acq: 09 Jan 2020 23:35

Instrument :

MSVOA_X

ClientSampleId :

PB125964ZHE#11

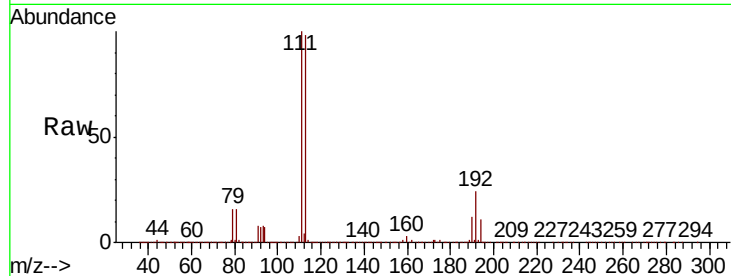
Tot Ion:113 Resp: 235648

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

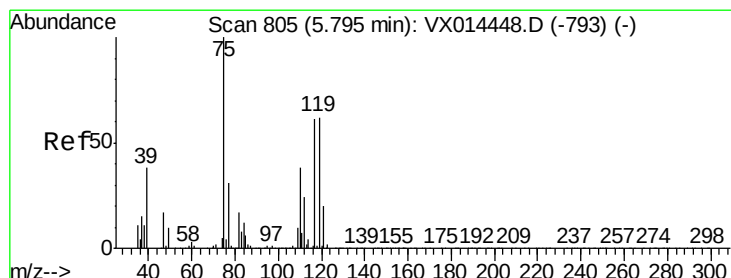
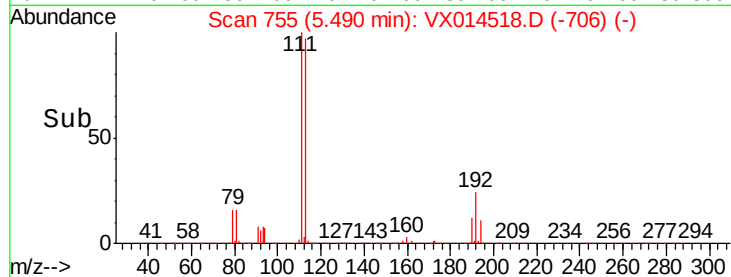
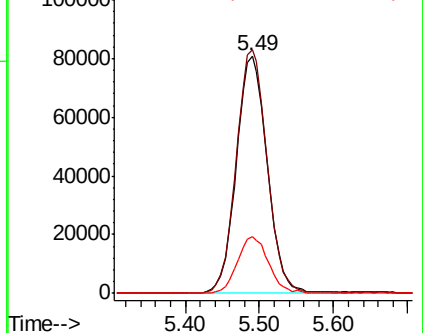
192 24.2 19.2 28.8



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: 4.594 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX014518.D

Acq: 09 Jan 2020 23:35

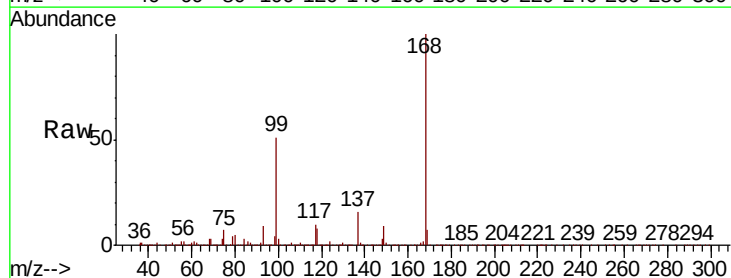
Tgt Ion: 75 Resp: 34206

Ion Ratio Lower Upper

75 100

110 9.6 18.6 55.8#

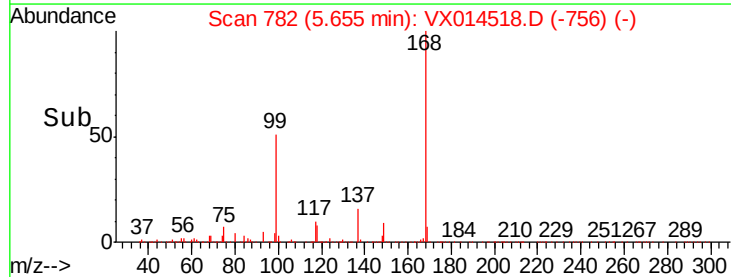
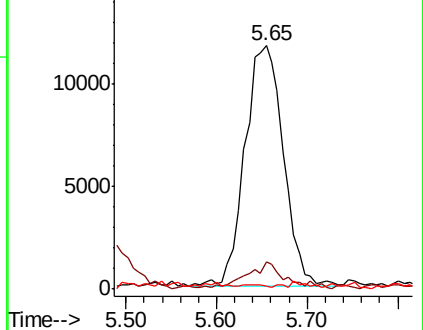
77 0.5 24.5 36.7#

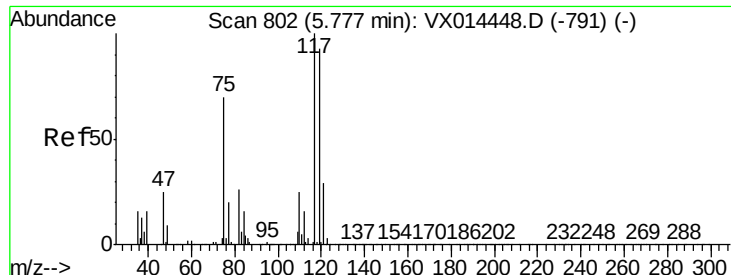


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.546 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014518.D

Acq: 09 Jan 2020 23:35

Instrument :

MSVOA_X

ClientSampleId :

PB125964ZHE#11

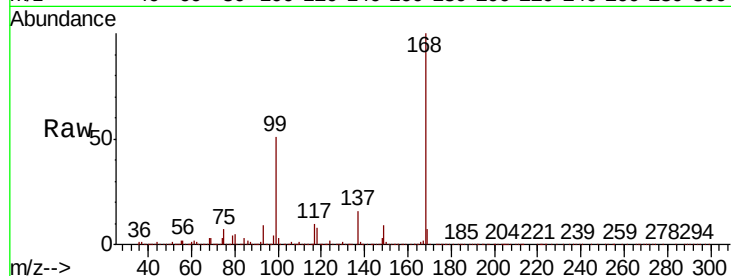
Tot Ion:117 Resp: 44848

Ion Ratio Lower Upper

117 100

119 3.7 73.8 110.8#

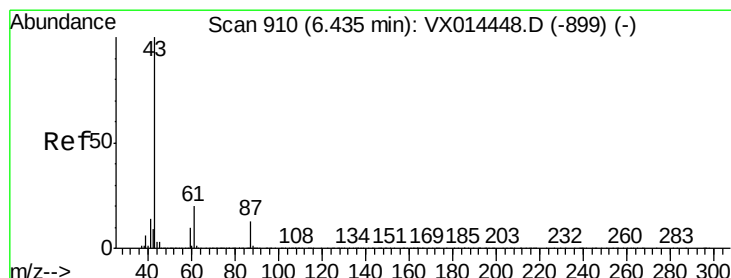
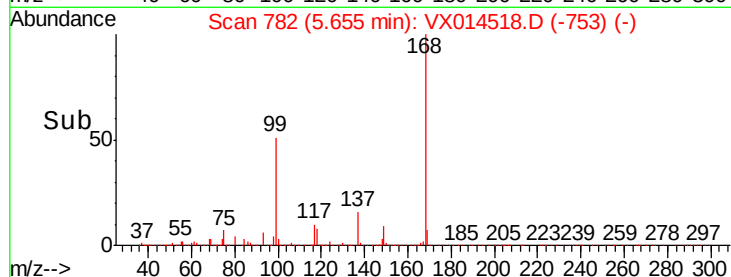
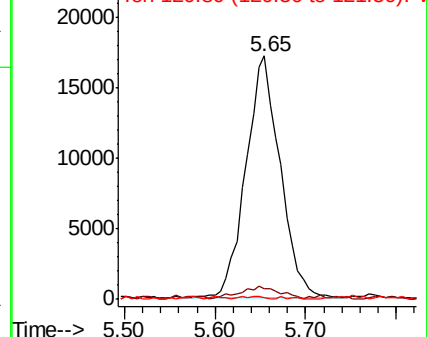
121 0.0 23.4 35.0#



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: 10.150 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014518.D

Acq: 09 Jan 2020 23:35

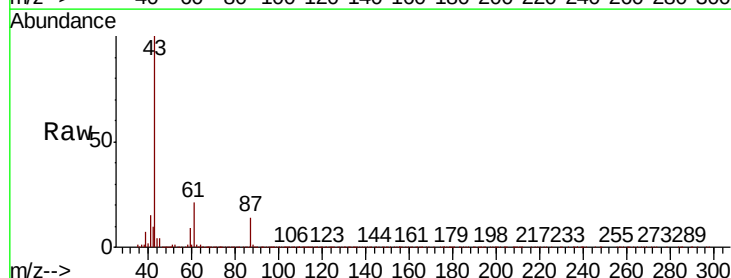
Tgt Ion: 43 Resp: 132610

Ion Ratio Lower Upper

43 100

61 20.6 16.6 24.8

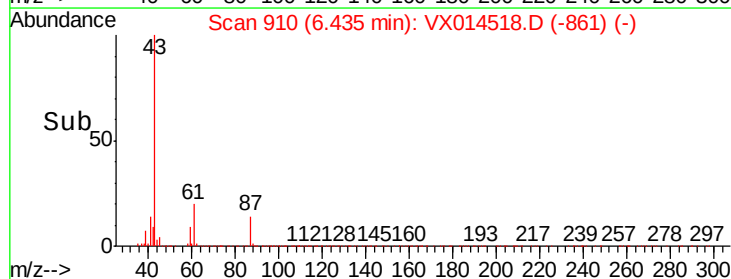
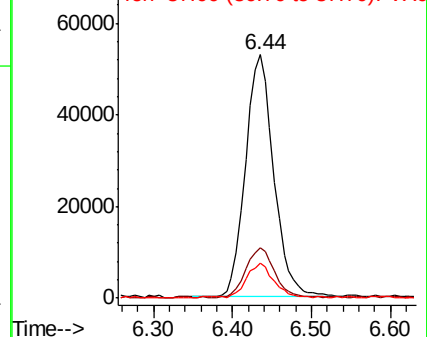
87 14.0 10.8 16.2

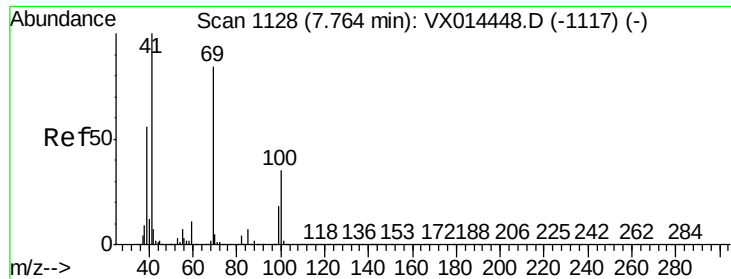


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

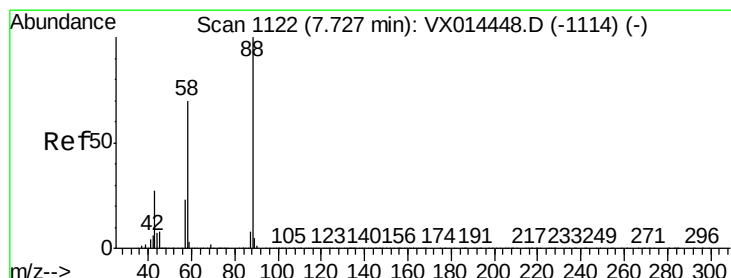
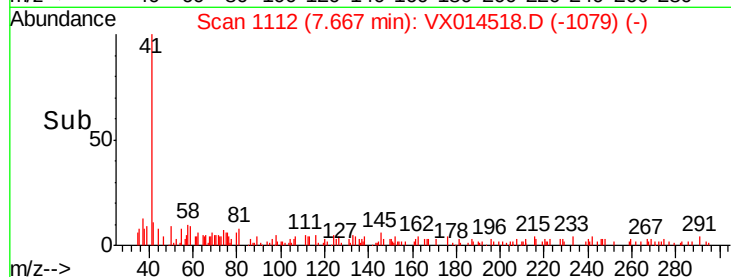
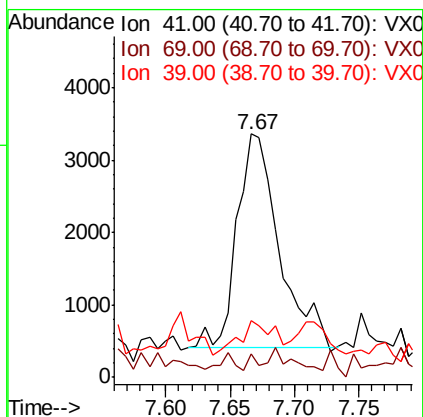
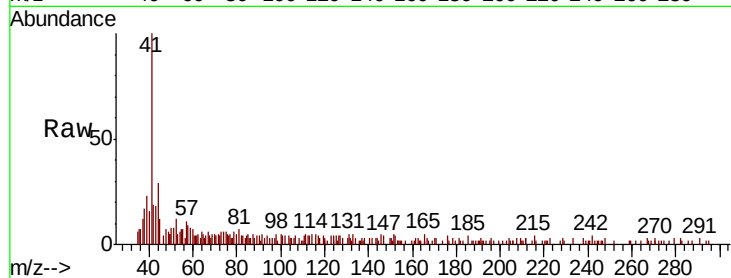




#48
Methvl methacrylate
Concen: 1.061 ug/l
RT: 7.67 min Scan# 1112
Delta R.T. -0.10 min
Lab File: VX014518.D
Acq: 09 Jan 2020 23:35

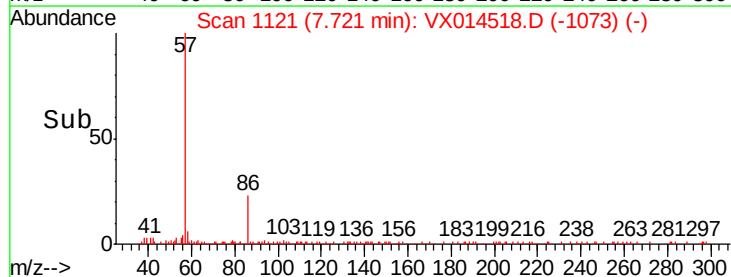
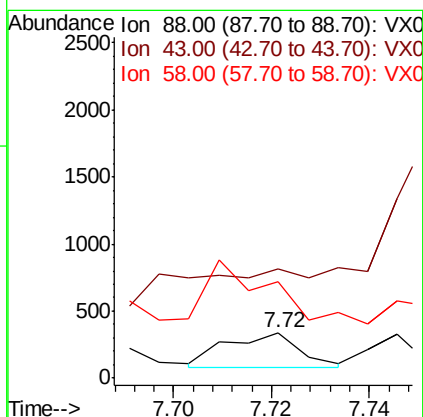
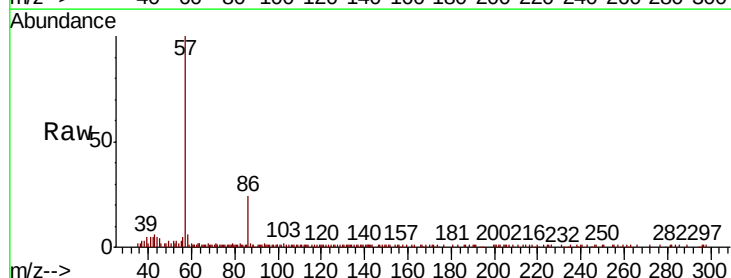
Instrument :
MSVOA_X
ClientSampleId :
PB125964ZHE#11

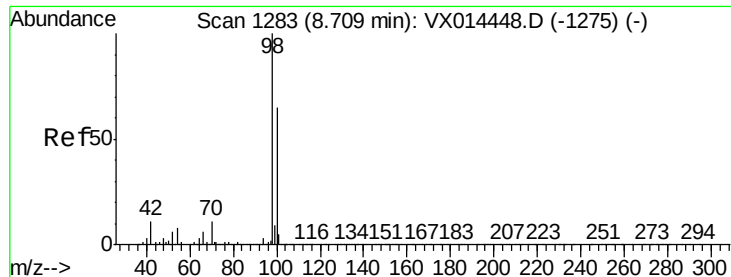
Tot Ion	Ratio	Lower	Upper
41	100		
69	5.8	65.5	98.3#
39	0.0	43.9	65.9#



#49
1,4-Dioxane
Concen: 2.097 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014518.D
Acq: 09 Jan 2020 23:35

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	460.4	57.1	85.7#





#50

Toluene-d8

Concen: 50.794 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014518.D

Acq: 09 Jan 2020 23:35

Instrument :

MSVOA_X

ClientSampleId :

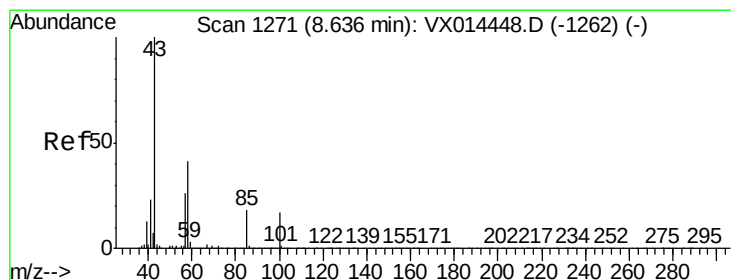
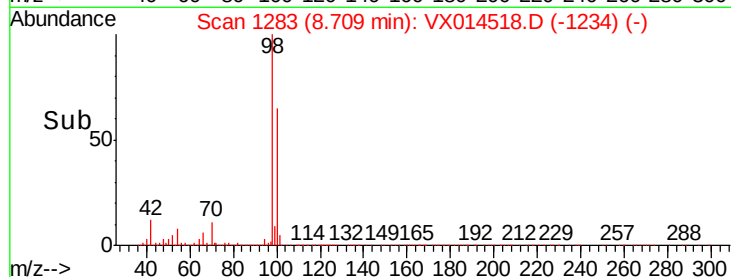
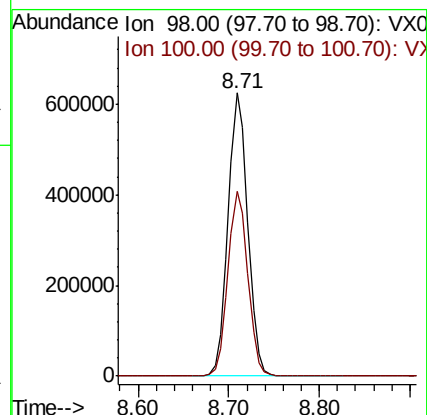
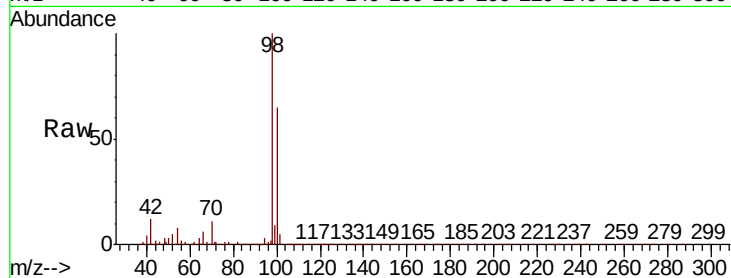
PB125964ZHE#11

Tot Ion: 98 Resp: 944709

Ion Ratio Lower Upper

98 100

100 66.0 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 16.068 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014518.D

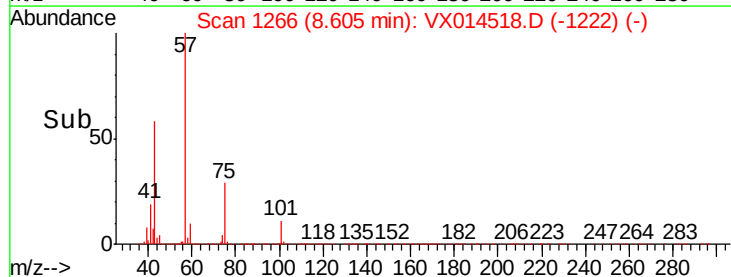
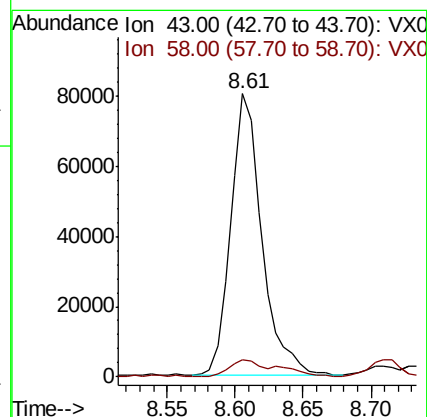
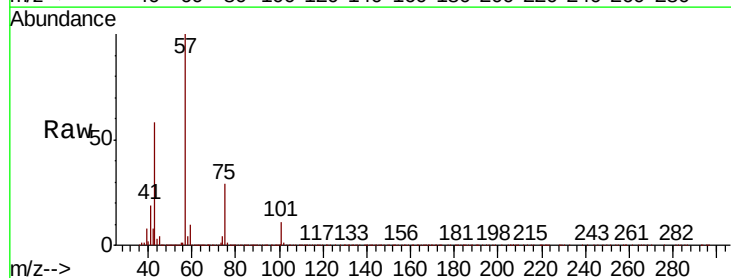
Acq: 09 Jan 2020 23:35

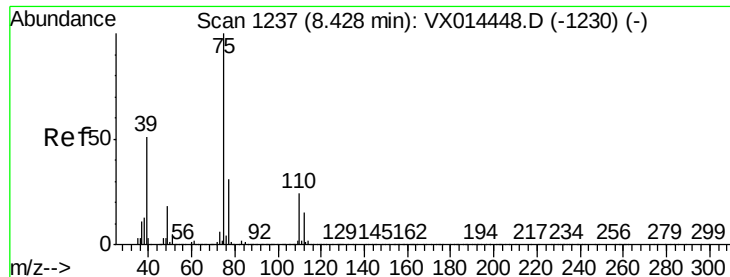
Tgt Ion: 43 Resp: 127922

Ion Ratio Lower Upper

43 100

58 5.7 32.4 48.6#



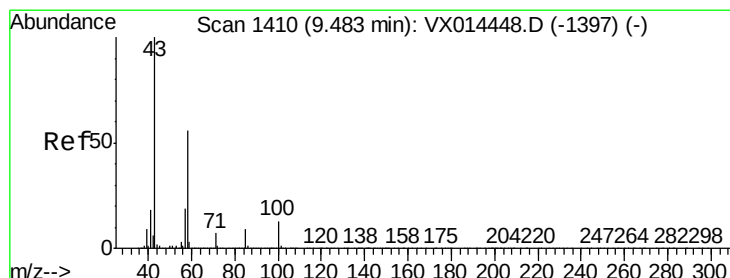
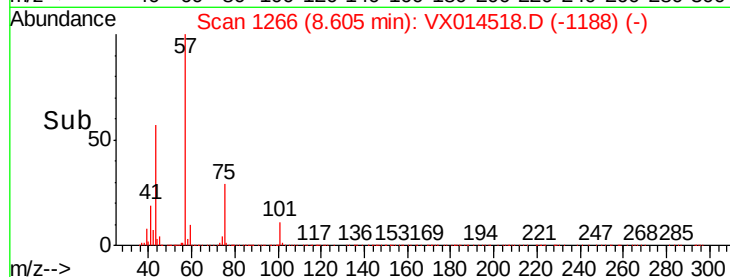
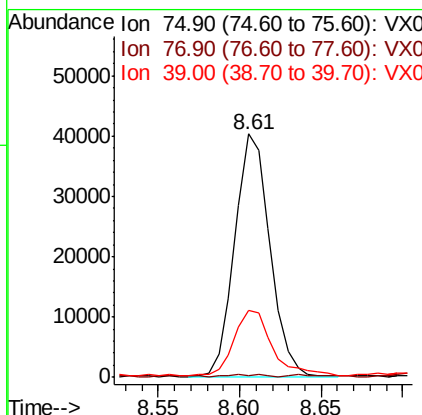
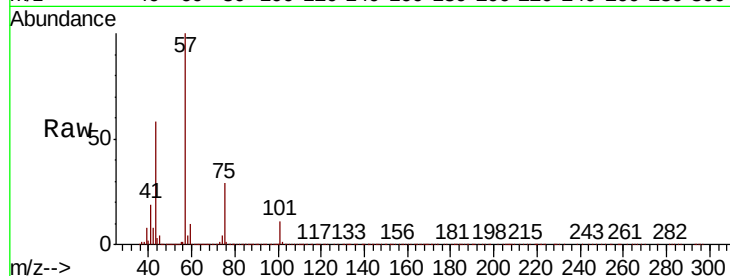


#54

cis-1,3-Dichloropropene
 Concen: 6.808 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. 0.18 min
 Lab File: VX014518.D
 Acq: 09 Jan 2020 23:35

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125964ZHE#11

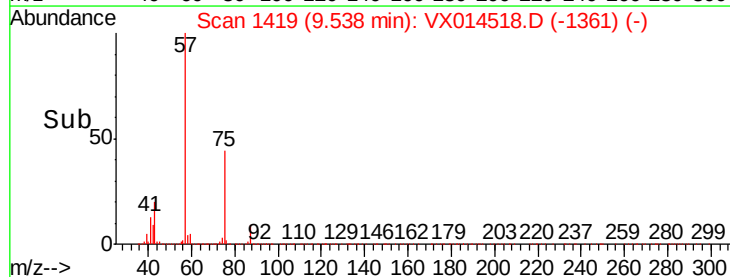
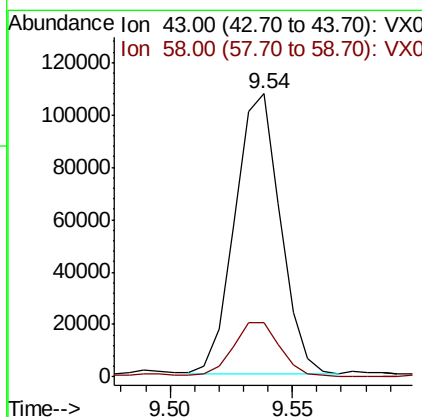
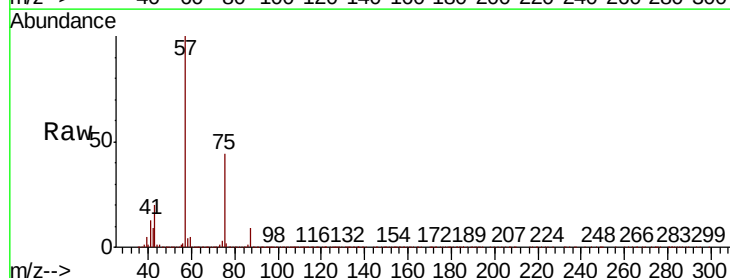
Tot Ion: 75 Resp: 61261
 Ion Ratio Lower Upper
 75 100
 77 0.2 25.0 37.4#
 39 26.6 40.7 61.1#

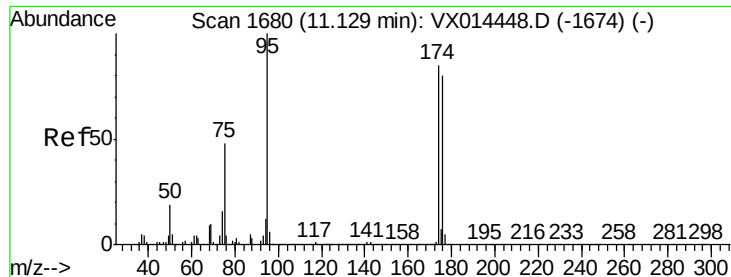


#59

2-Hexanone
 Concen: 21.950 ug/l
 RT: 9.54 min Scan# 1419
 Delta R.T. 0.05 min
 Lab File: VX014518.D
 Acq: 09 Jan 2020 23:35

Tgt Ion: 43 Resp: 138269
 Ion Ratio Lower Upper
 43 100
 58 19.7 27.9 83.7#

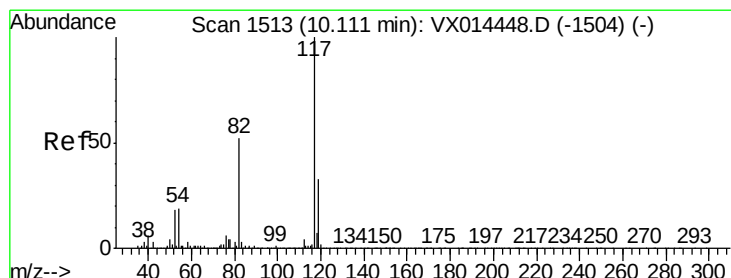
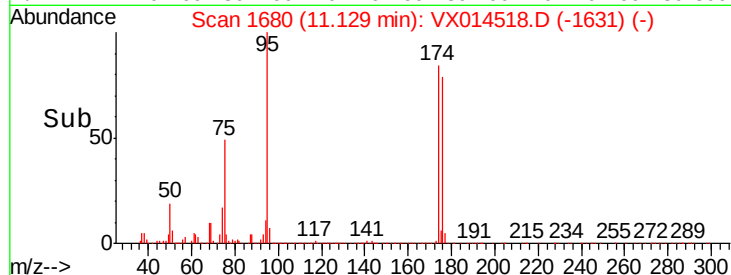
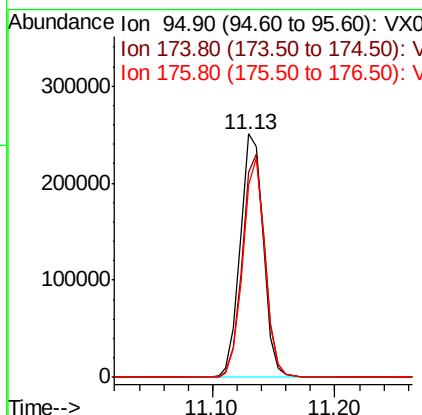
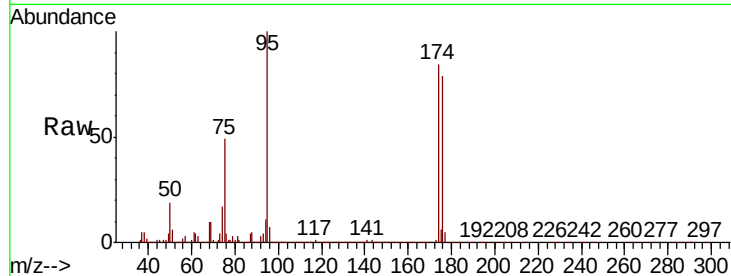




#62
4-Bromofluorobenzene
Concen: 47.536 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014518.D
Acq: 09 Jan 2020 23:35

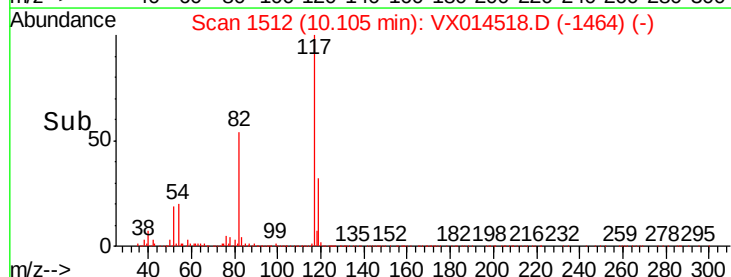
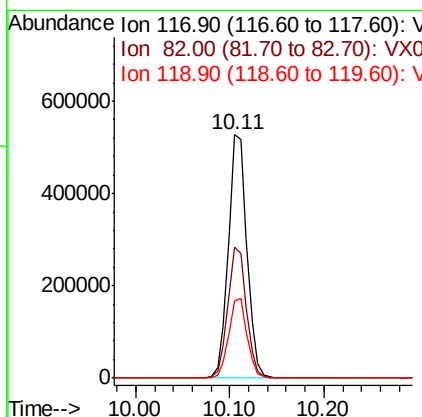
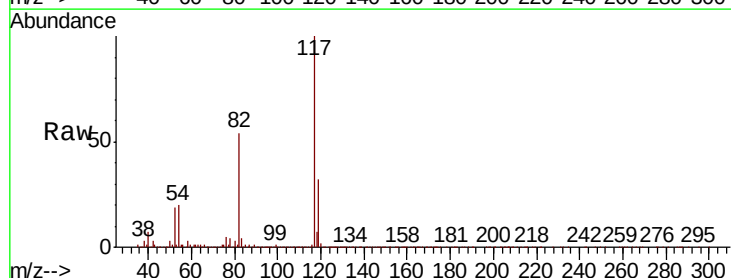
Instrument :
MSVOA_X
ClientSampleId :
PB125964ZHE#11

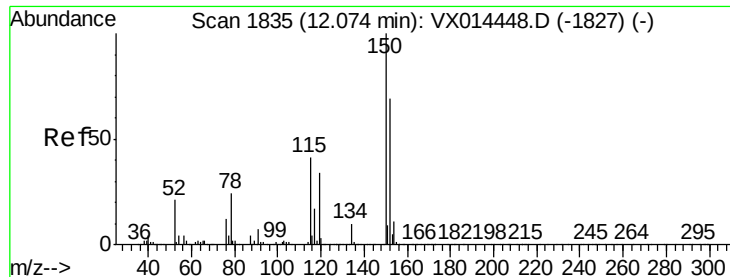
Tot Ion: 95 Resp: 324571
Ion Ratio Lower Upper
95 100
174 90.6 0.0 180.8
176 86.8 0.0 172.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014518.D
Acq: 09 Jan 2020 23:35

Tgt Ion: 117 Resp: 722261
Ion Ratio Lower Upper
117 100
82 53.6 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: VX014518.D

Acq: 09 Jan 2020 23:35

Instrument :

MSVOA_X

ClientSampleId :

PB125964ZHE#11

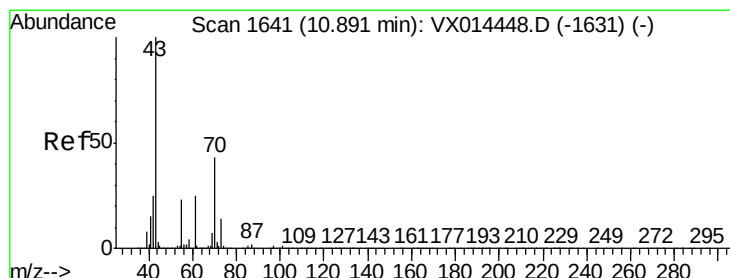
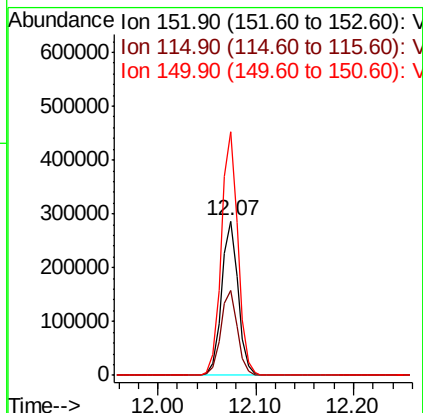
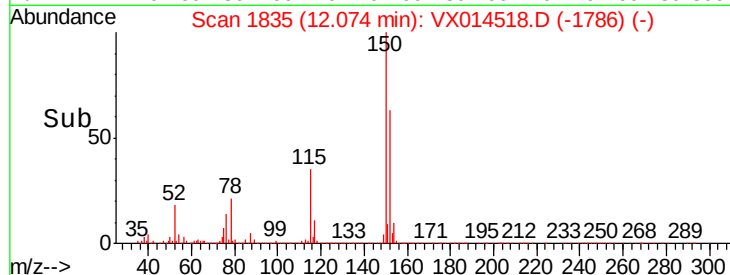
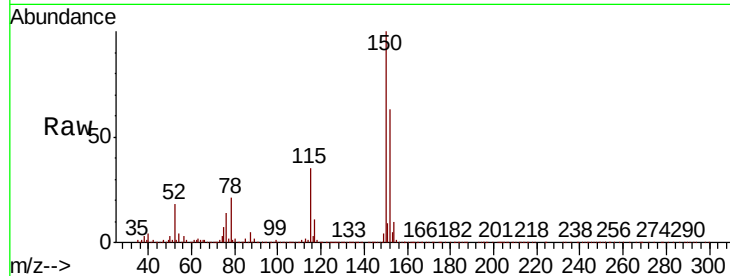
Tot Ion:152 Resp: 333473

Ion Ratio Lower Upper

152 100

115 55.3 39.5 118.3

150 158.9 0.0 350.2



#74

N-ethyl acetate

Concen: 0.637 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX014518.D

Acq: 09 Jan 2020 23:35

Tgt Ion: 43 Resp: 6583

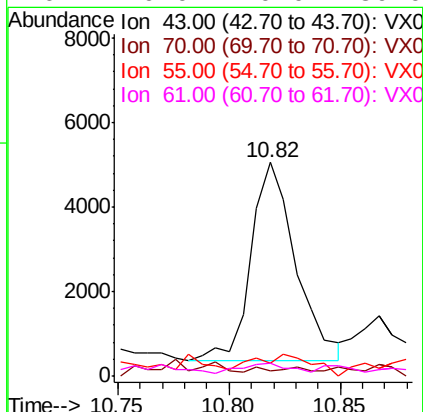
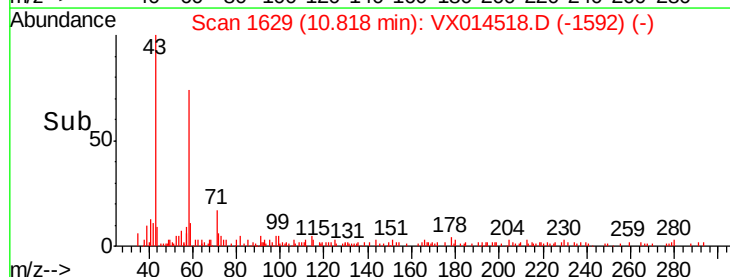
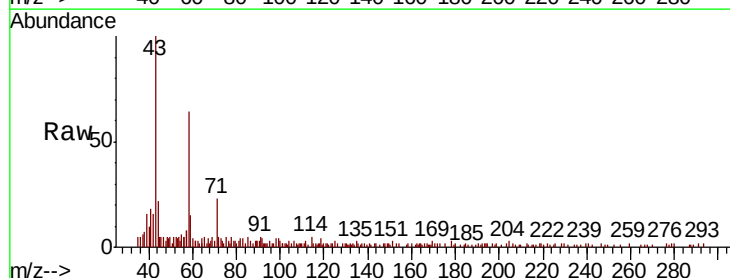
Ion Ratio Lower Upper

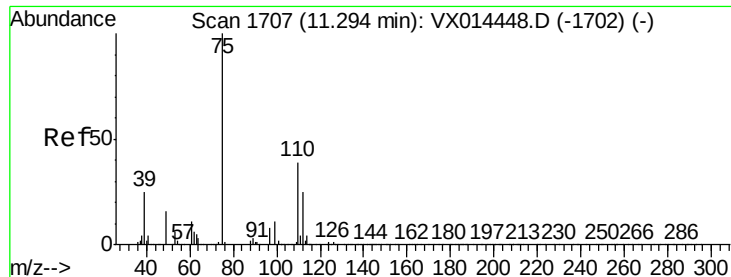
43 100

70 1.2 35.1 52.7#

55 14.3 19.3 28.9#

61 0.0 20.0 30.0#





#76

1,2,3-Trichloropropane

Concen: 23.296 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014518.D

Acq: 09 Jan 2020 23:35

Instrument :

MSVOA_X

ClientSampleId :

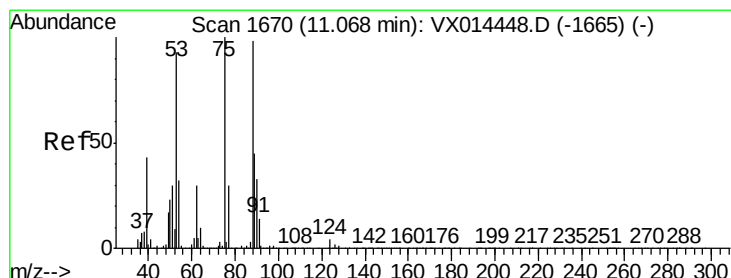
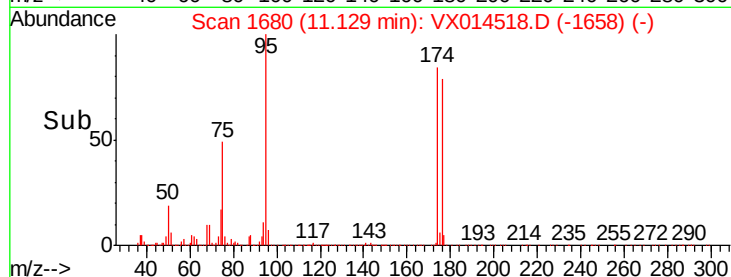
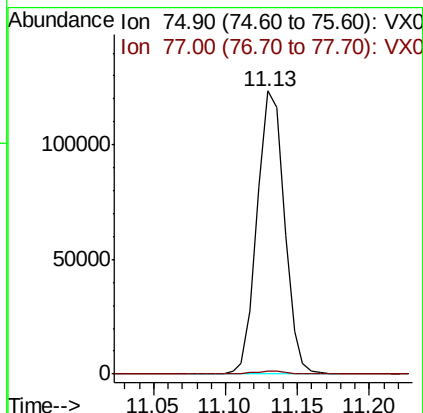
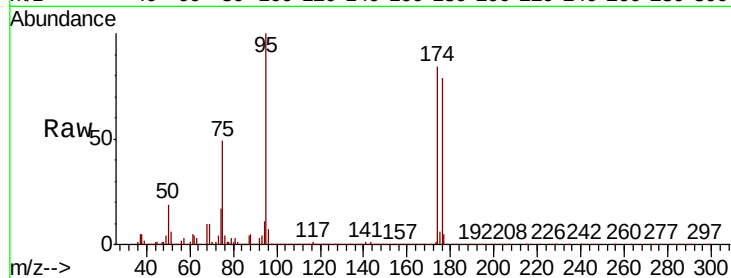
PB125964ZHE#11

Tot Ion: 75 Resp: 160733

Ion Ratio Lower Upper

75 100

77 1.6 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.590 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014518.D

Acq: 09 Jan 2020 23:35

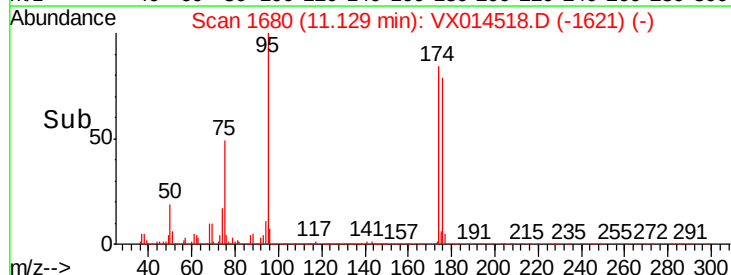
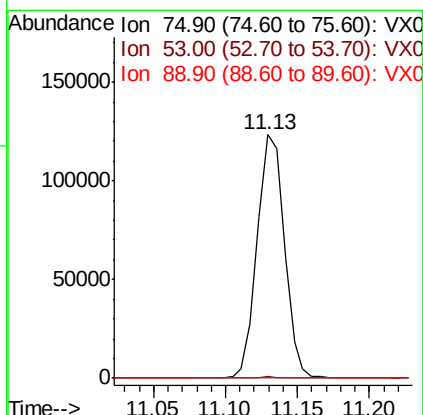
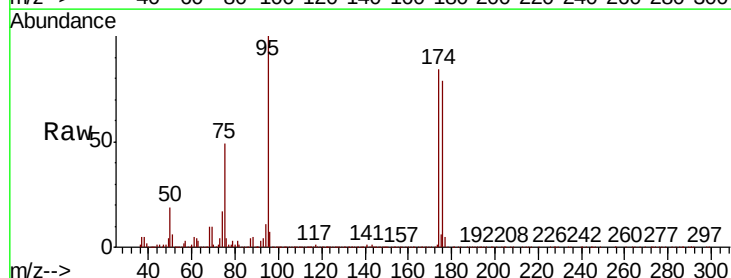
Tgt Ion: 75 Resp: 160733

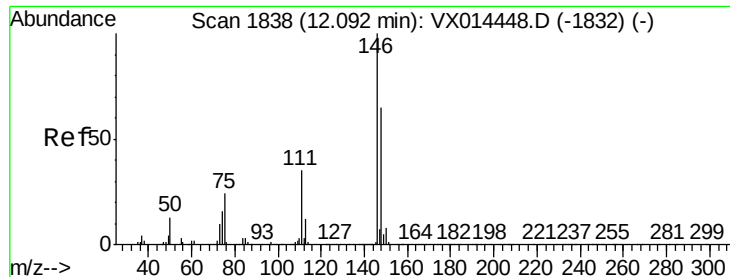
Ion Ratio Lower Upper

75 100

53 0.3 74.8 112.2#

89 0.2 36.3 54.5#

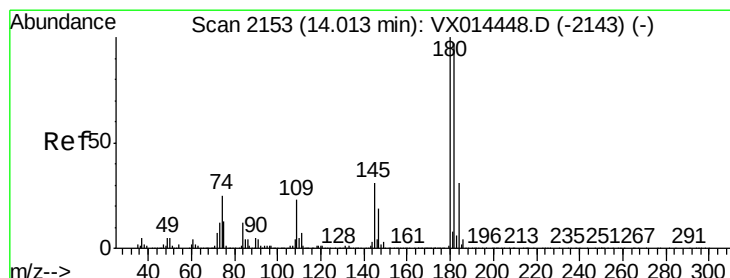
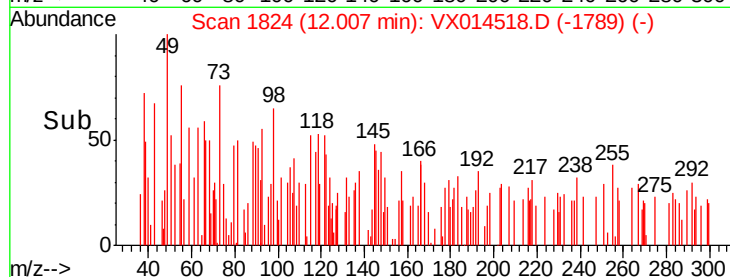
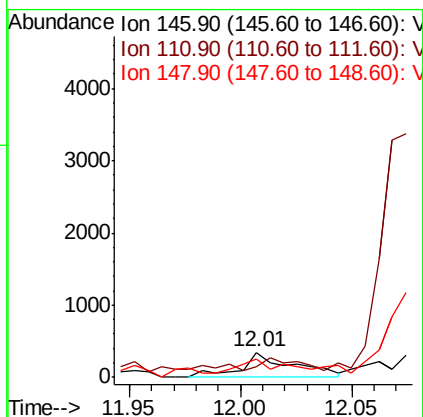
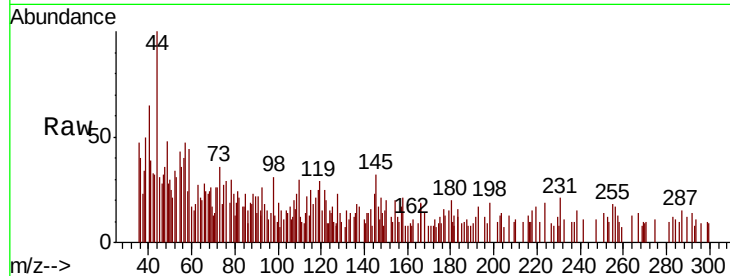




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.01 min Scan# 1824
 Delta R.T. -0.08 min
 Lab File: VX014518.D
 Acq: 09 Jan 2020 23:35

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125964ZHE#11

Tot Ion:146 Resp: 566
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.1 54.1
 148 84.3 32.1 96.3



#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.01 min Scan# 2152
 Delta R.T. -0.01 min
 Lab File: VX014518.D
 Acq: 09 Jan 2020 23:35

Tgt Ion:180 Resp: 500
 Ion Ratio Lower Upper
 180 100
 182 78.4 47.9 143.6
 145 0.0 14.8 44.3#

