

Data File : VX015200.D
Acq On : 11 Mar 2020 15:02
Operator : JC/SP
Sample : PB127431ZHE#09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#09

Quant Time: Mar 12 05:48:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	311404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	529323	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	533880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	260672	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	200889	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
35) Dibromofluoromethane	5.49	113	166351	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	8.71	98	663088	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	11.14	95	242790	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	

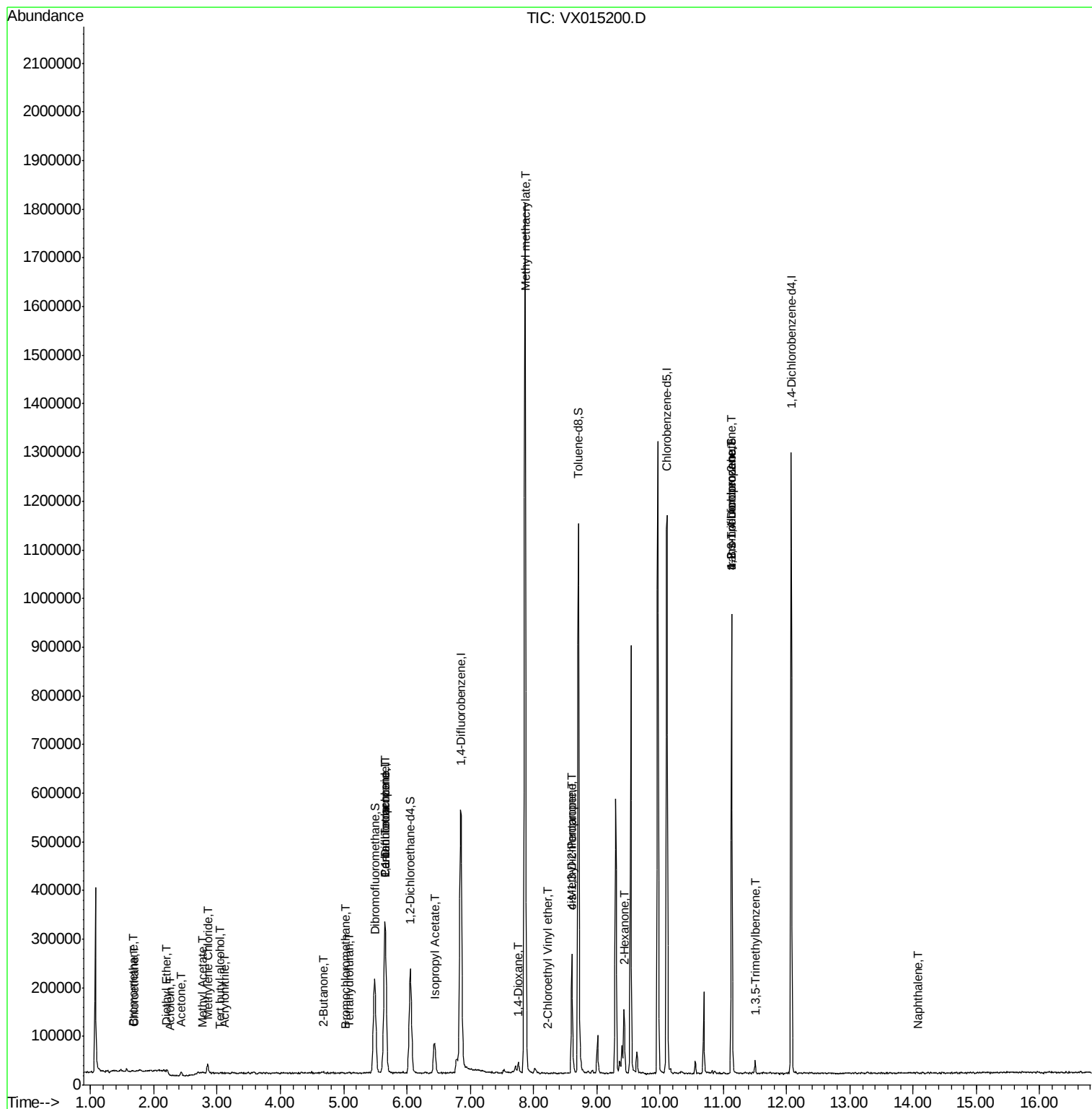
Target Compounds						Qvalue
5) Bromomethane	1.66	94	958	0.398	ug/l #	19
6) Chloroethane	1.69	64	922	0.392	ug/l #	80
8) Diethyl Ether	2.20	74	511	0.242	ug/l	52
11) Tert butyl alcohol	3.04	59	151	0.236	ug/l #	1
13) Acrolein	2.26	56	627	1.041	ug/l #	15
15) Acrylonitrile	3.12	53	670	0.420	ug/l #	17
16) Acetone	2.43	43	10947	7.317	ug/l #	88
18) Methyl Acetate	2.76	43	2999	0.820	ug/l #	73
20) Methylene Chloride	2.86	84	9387	2.681	ug/l	93
25) 2-Butanone	4.68	43	1329	0.607	ug/l #	55
28) Bromochloromethane	5.03	49	658	0.248	ug/l #	10
29) Tetrahydrofuran	5.09	42	311	0.220	ug/l #	29
36) 1,1-Dichloropropene	5.65	75	22504	4.599	ug/l #	52
38) Carbon Tetrachloride	5.65	117	28750	6.224	ug/l #	19
43) Isopropyl Acetate	6.43	43	85529	10.711	ug/l	100
48) Methyl methacrylate	7.87	41	150282	36.977	ug/l #	44
49) 1,4-Dioxane	7.77	88	359	4.085	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	87035	18.435	ug/l #	50
54) cis-1,3-Dichloropropene	8.61	75	39219	6.731	ug/l #	60
58) 2-Chloroethyl Vinyl ether	8.23	63	618	0.218	ug/l	99
59) 2-Hexanone	9.43	43	107056	30.593	ug/l #	24
76) 1,2,3-Trichloropropane	11.13	75	119825	23.045	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.50	105	11345	0.818	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.13	75	119825	65.402	ug/l #	11
95) Naphthalene	14.09	128	338	1.439	ug/l	97

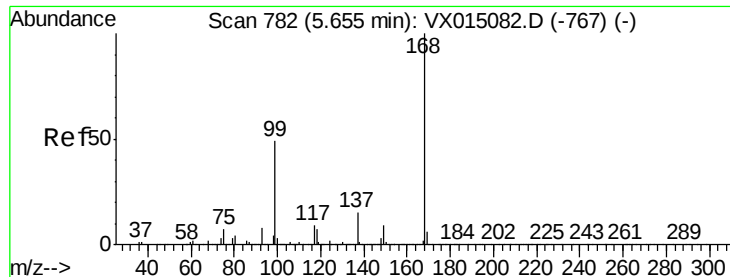
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015200.D

Acq: 11 Mar 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

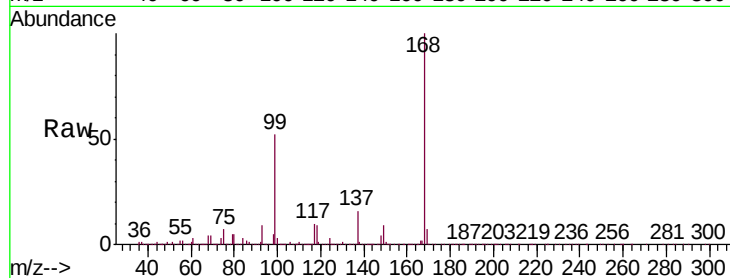
PB127431ZHE#09

Tgt Ion:168 Resp: 311404

Ion Ratio Lower Upper

168 100

99 51.7 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

60000

40000

20000

0

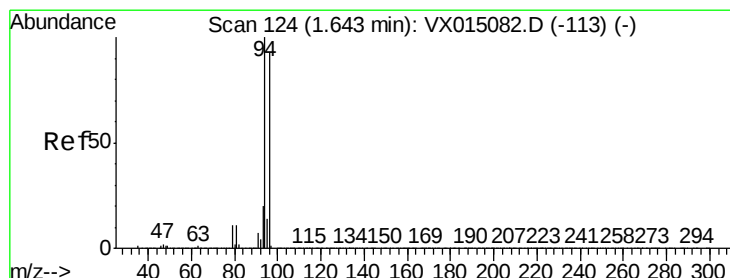
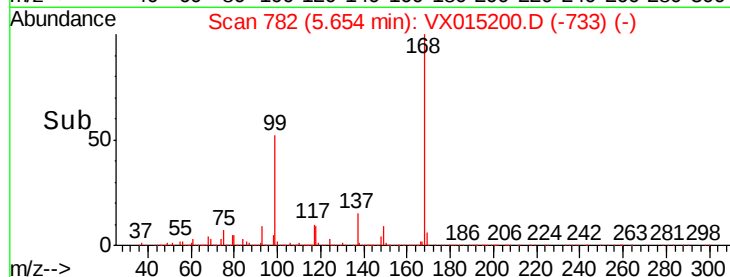
Time-->

5.50

5.60

5.70

5.80



#5

Bromomethane

Concen: 0.398 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.02 min

Lab File: VX015200.D

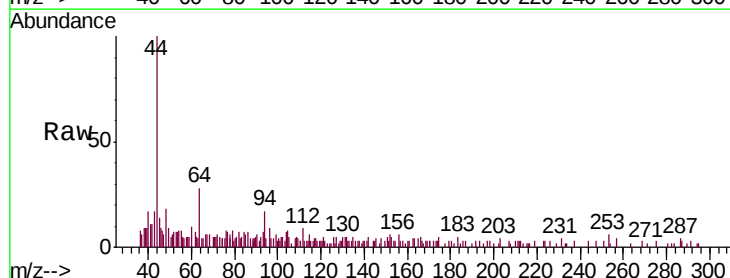
Acq: 11 Mar 2020 15:02

Tgt Ion: 94 Resp: 958

Ion Ratio Lower Upper

94 100

96 15.6 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

500

400

300

200

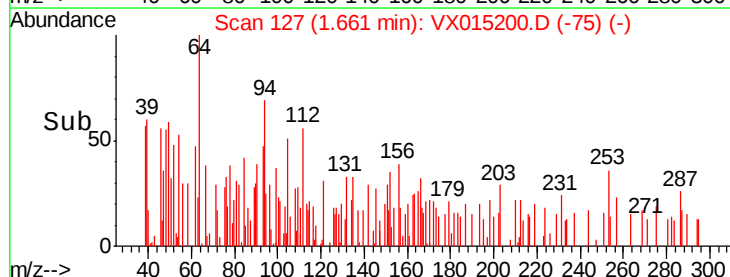
100

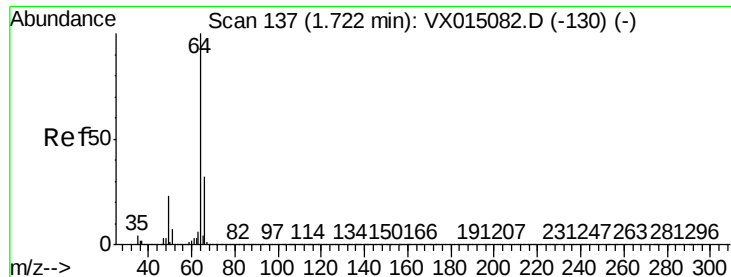
0

Time-->

1.60

1.65





#6

Chloroethane

Concen: 0.392 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.03 min

Lab File: VX015200.D

Acq: 11 Mar 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

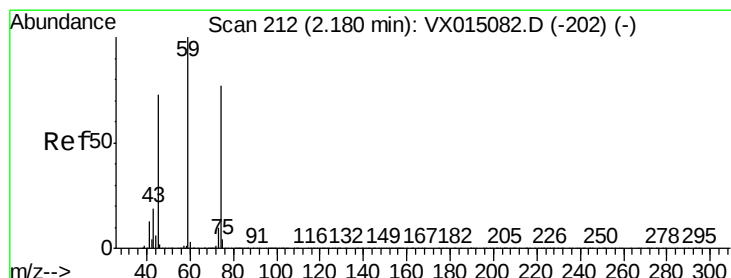
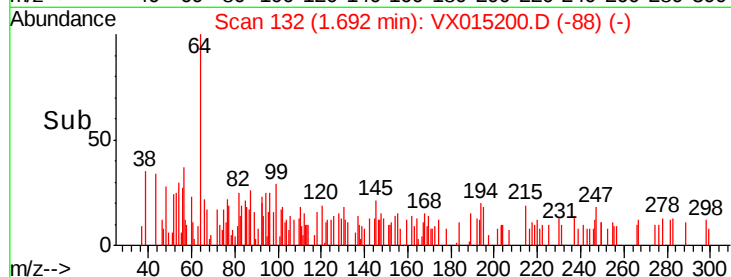
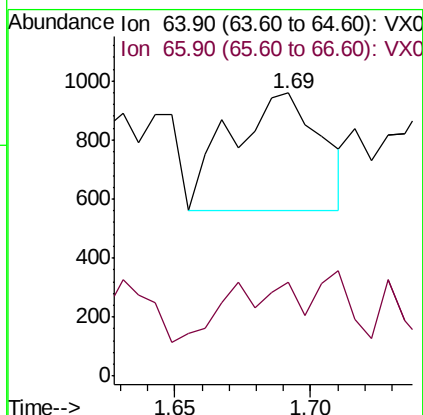
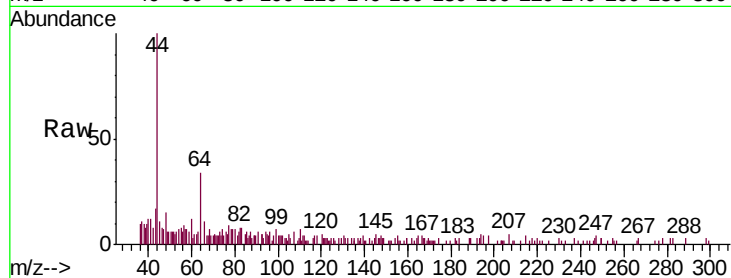
PB127431ZHE#09

Tgt Ion: 64 Resp: 922

Ion Ratio Lower Upper

64 100

66 43.4 25.8 38.8#



#8

Diethyl Ether

Concen: 0.242 ug/l

RT: 2.20 min Scan# 215

Delta R.T. 0.02 min

Lab File: VX015200.D

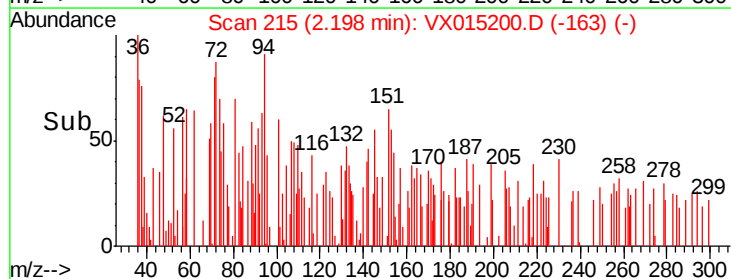
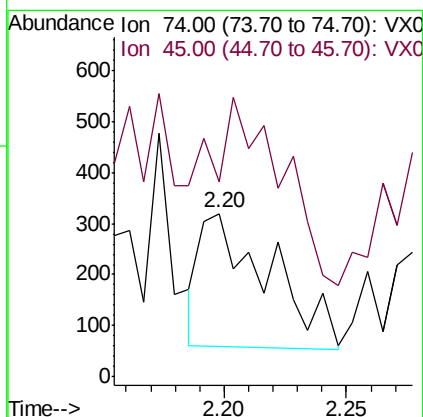
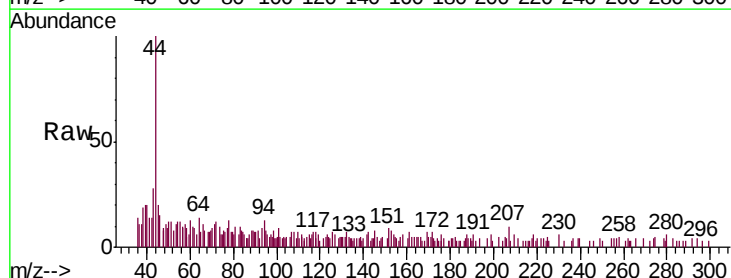
Acq: 11 Mar 2020 15:02

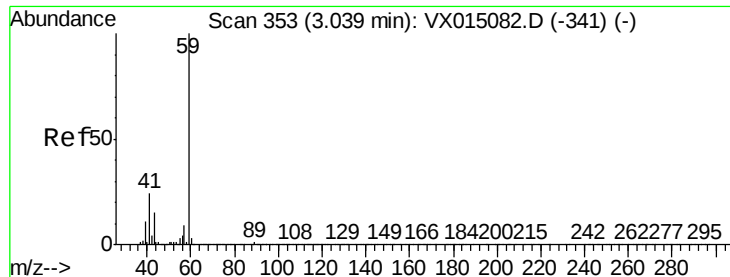
Tgt Ion: 74 Resp: 511

Ion Ratio Lower Upper

74 100

45 145.6 49.2 147.6

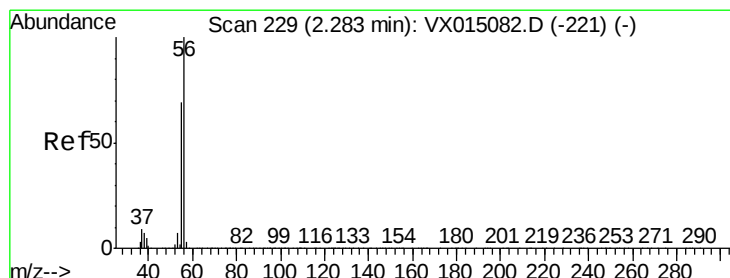
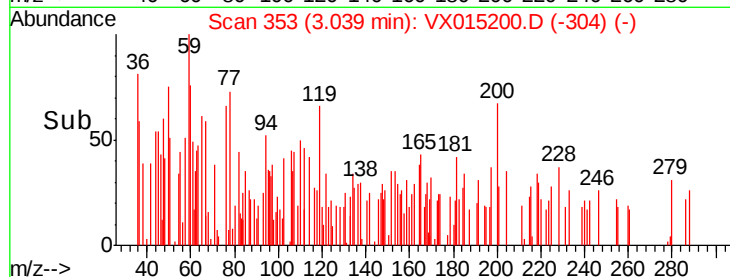
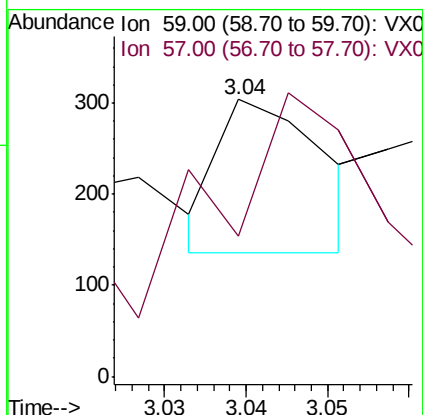
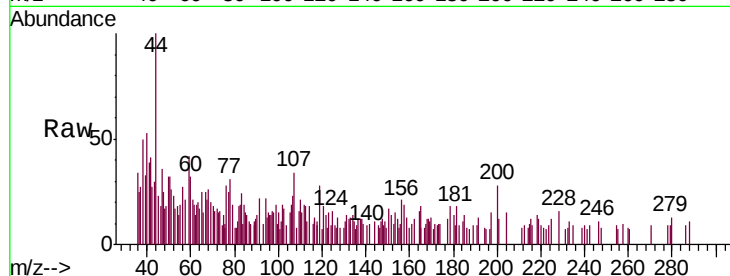




#11
Tert butyl alcohol
Concen: 0.236 ug/l
RT: 3.04 min Scan# 353
Delta R.T. -0.00 min
Lab File: VX015200.D
Acq: 11 Mar 2020 15:02

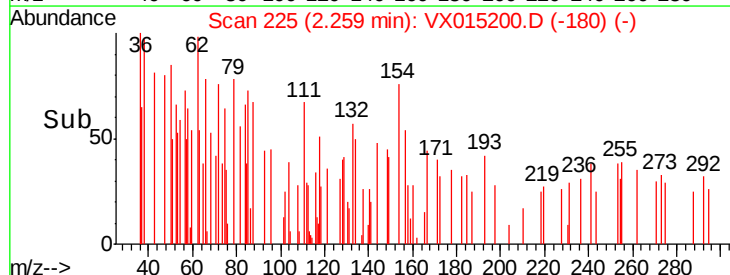
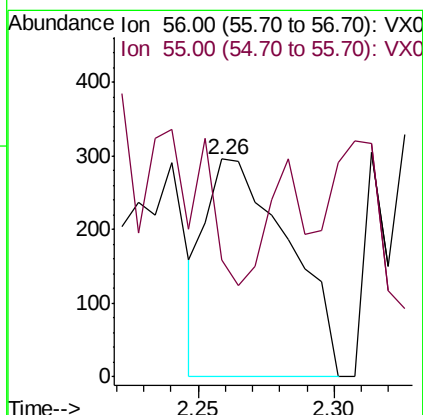
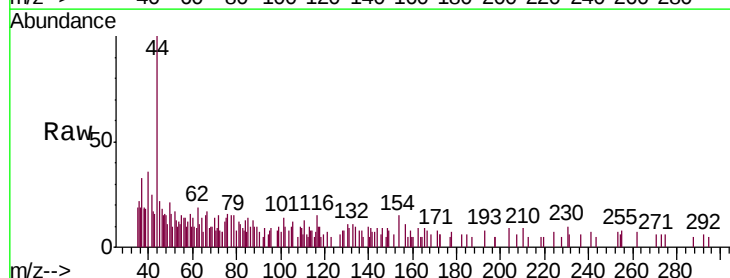
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#09

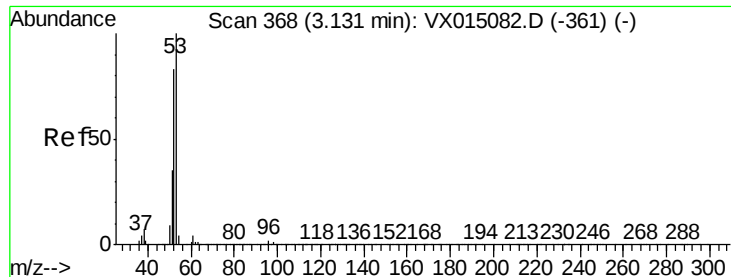
Tgt Ion: 59 Resp: 151
Ion Ratio Lower Upper
59 100
57 211.3 8.2 12.4#



#13
Acrolein
Concen: 1.041 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.02 min
Lab File: VX015200.D
Acq: 11 Mar 2020 15:02

Tgt Ion: 56 Resp: 627
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#

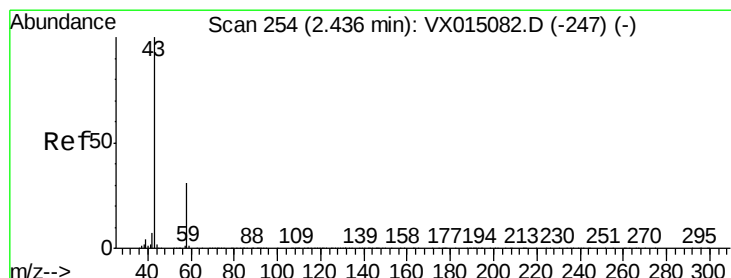
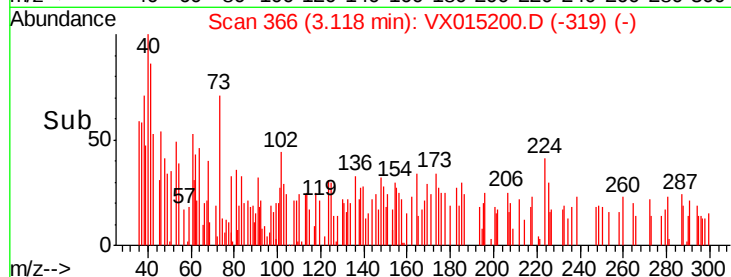
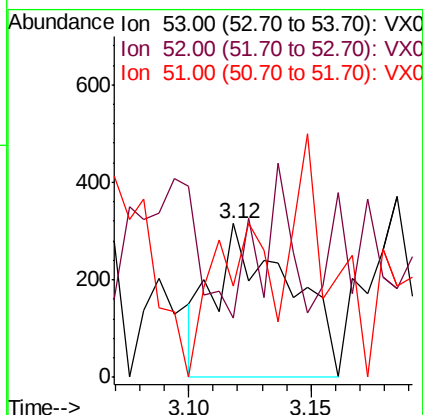
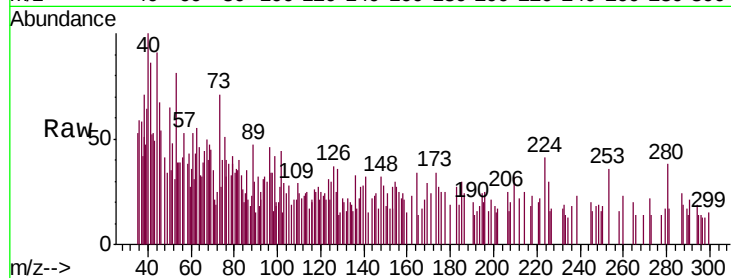




#15
Acrylonitrile
Concen: 0.420 ug/l
RT: 3.12 min Scan# 366
Delta R.T. -0.01 min
Lab File: VX015200.D
Acq: 11 Mar 2020 15:02

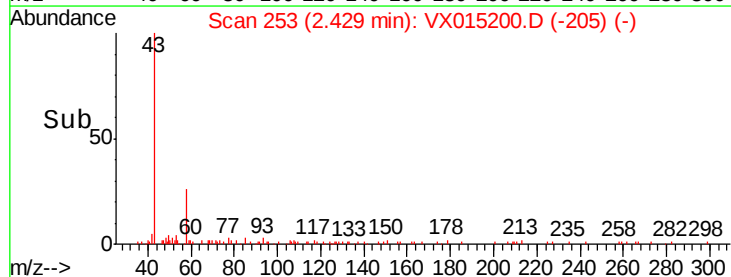
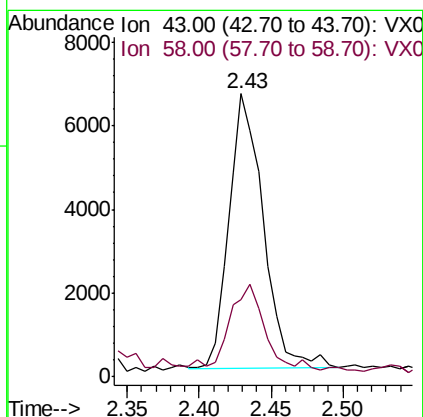
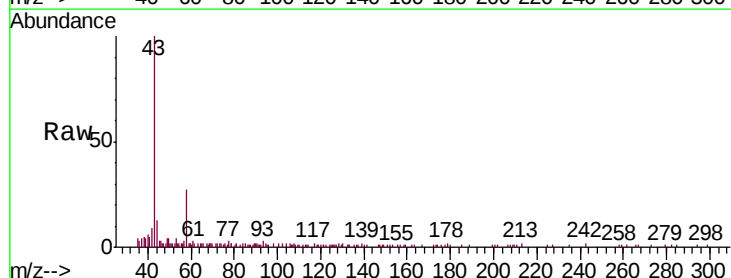
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#09

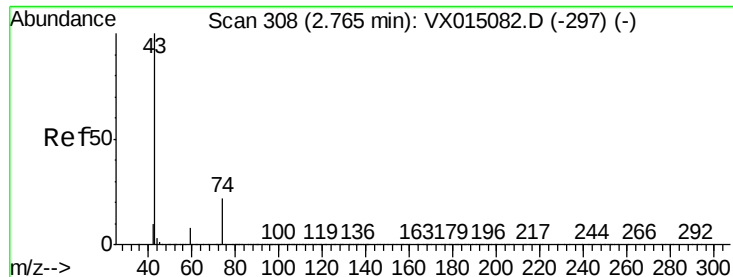
Tgt Ion: 53 Resp: 670
Ion Ratio Lower Upper
53 100
52 0.0 66.6 100.0#
51 73.3 29.0 43.6#



#16
Acetone
Concen: 7.317 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX015200.D
Acq: 11 Mar 2020 15:02

Tgt Ion: 43 Resp: 10947
Ion Ratio Lower Upper
43 100
58 24.6 24.8 37.2#

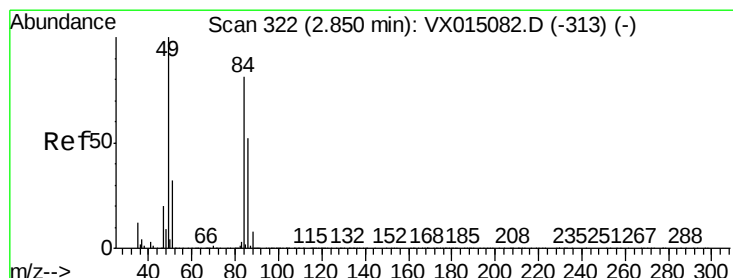
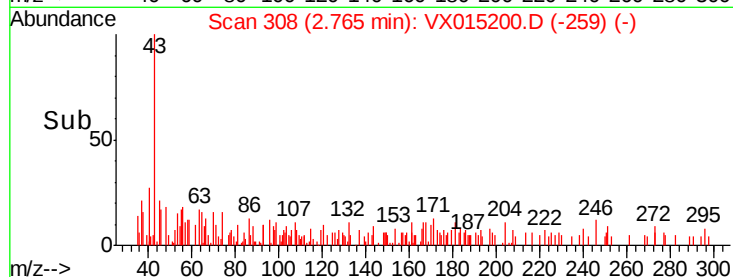
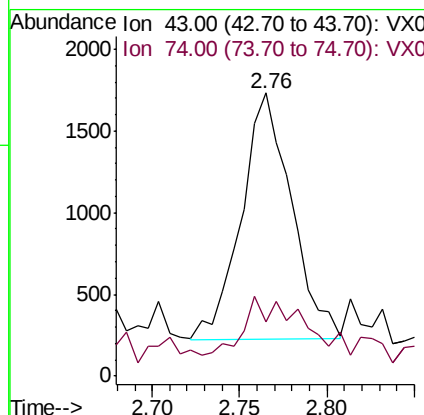
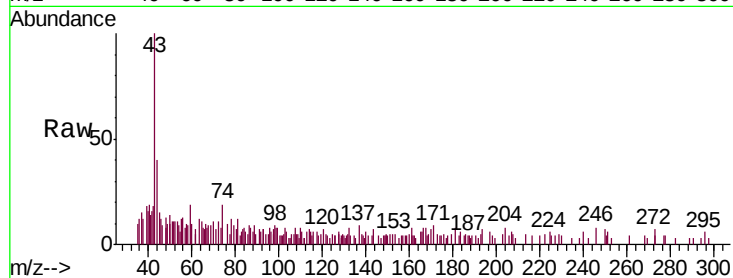




#18
Methyl Acetate
Concen: 0.820 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX015200.D
Acq: 11 Mar 2020 15:02

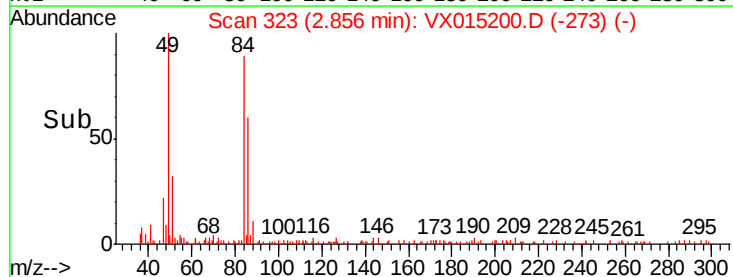
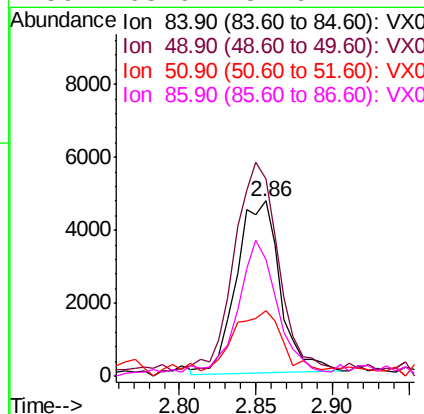
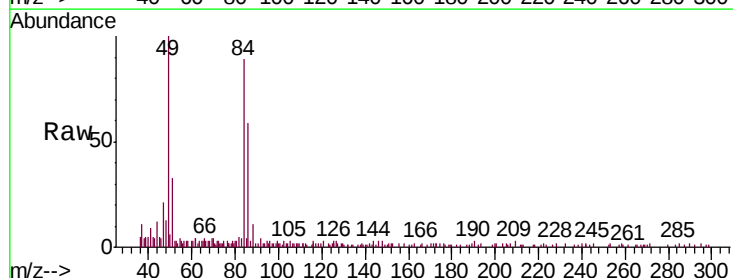
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#09

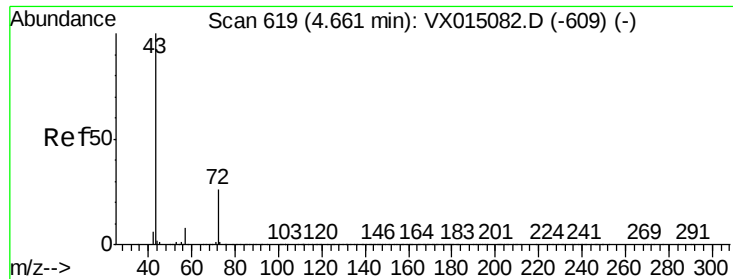
Tgt Ion: 43 Resp: 2999
Ion Ratio Lower Upper
43 100
74 36.9 18.8 28.2#



#20
Methylene Chloride
Concen: 2.681 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX015200.D
Acq: 11 Mar 2020 15:02

Tgt Ion: 84 Resp: 9387
Ion Ratio Lower Upper
84 100
49 113.3 99.4 149.2
51 34.5 31.5 47.3
86 63.6 51.6 77.4

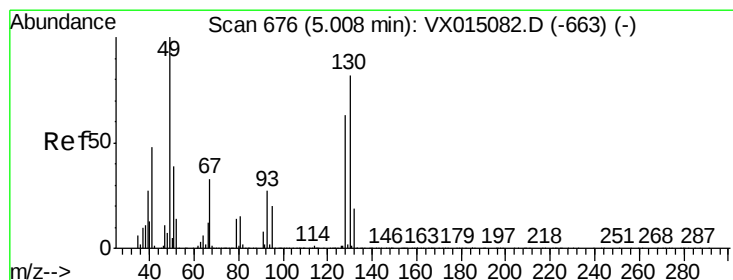
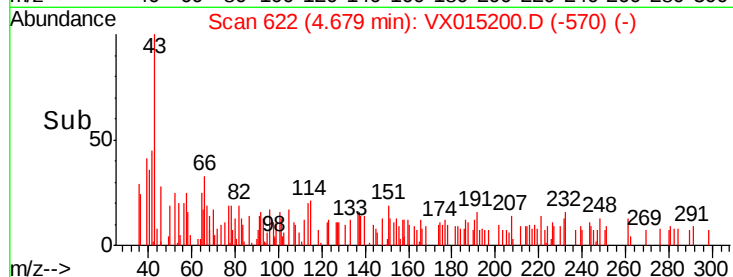
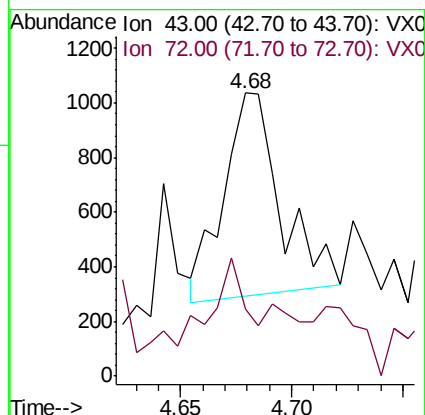
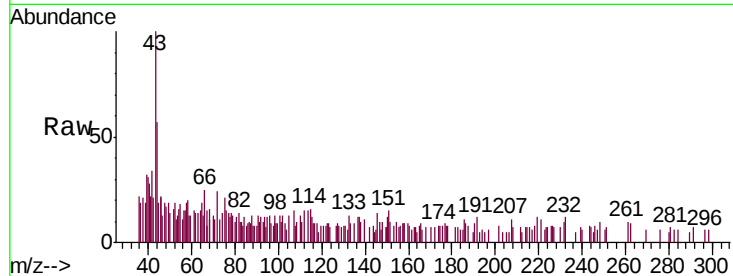




#25
2-Butanone
Concen: 0.607 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX015200.D
Acq: 11 Mar 2020 15:02

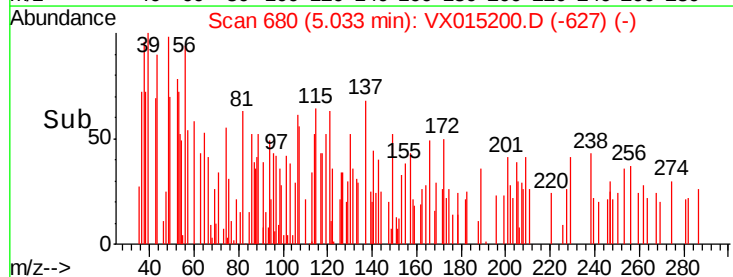
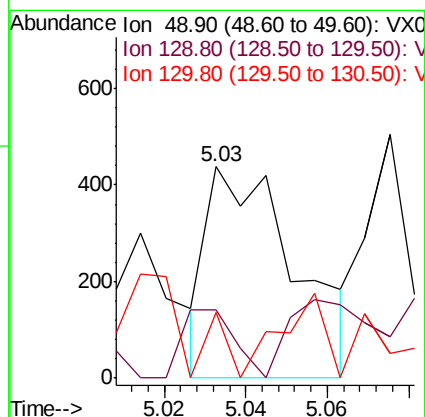
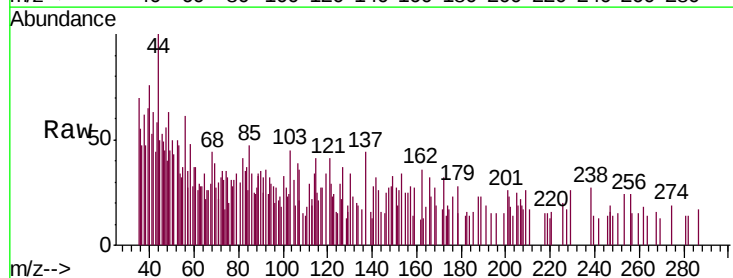
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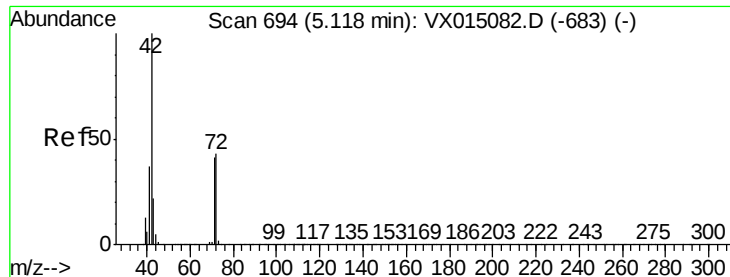
Tgt Ion: 43 Resp: 1329
Ion Ratio Lower Upper
43 100
72 2.9 20.6 30.8#



#28
Bromochloromethane
Concen: 0.248 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.02 min
Lab File: VX015200.D
Acq: 11 Mar 2020 15:02

Tgt Ion: 49 Resp: 658
Ion Ratio Lower Upper
49 100
129 19.3 0.0 4.4#
130 0.0 65.0 97.6#





#29

Tetrahydrofuran

Concen: 0.220 ug/l

RT: 5.09 min Scan# 690

Delta R.T. -0.02 min

Lab File: VX015200.D

Acq: 11 Mar 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#09

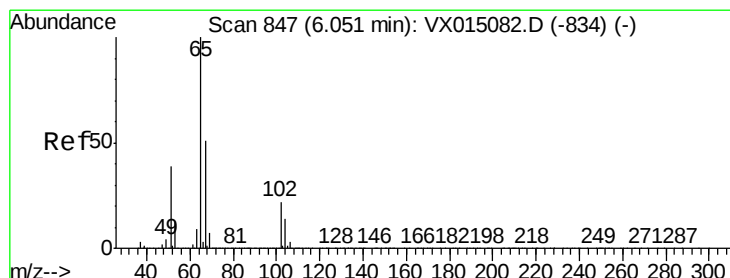
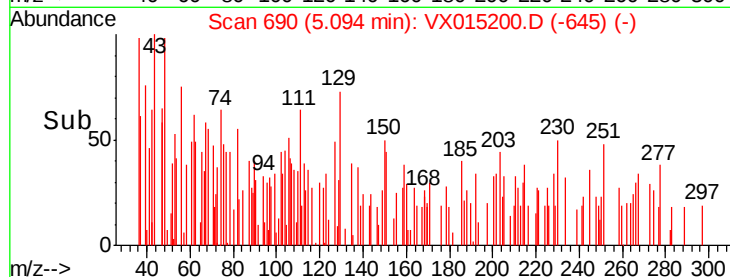
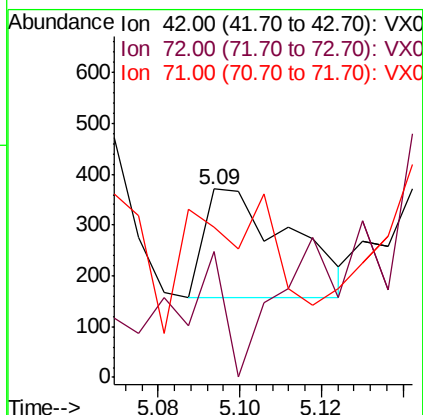
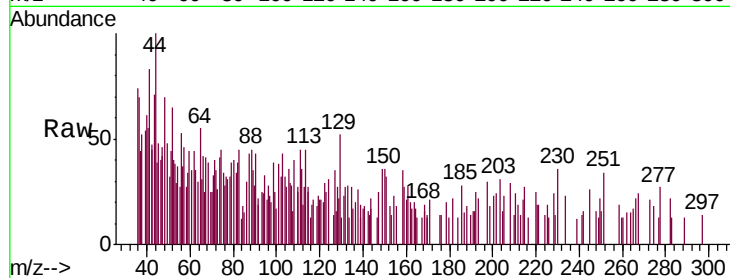
Tgt Ion: 42 Resp: 311

Ion Ratio Lower Upper

42 100

72 59.5 36.4 54.6#

71 120.9 33.3 49.9#



#33

1,2-Dichloroethane-d4

Concen: 54.376 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015200.D

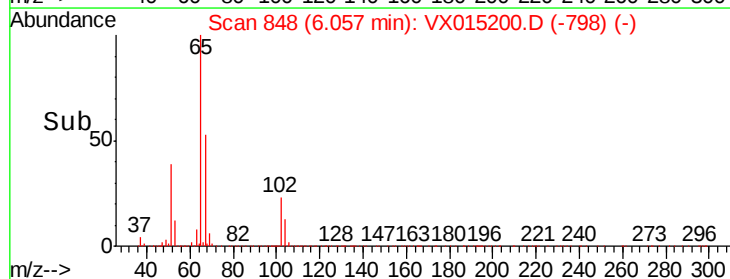
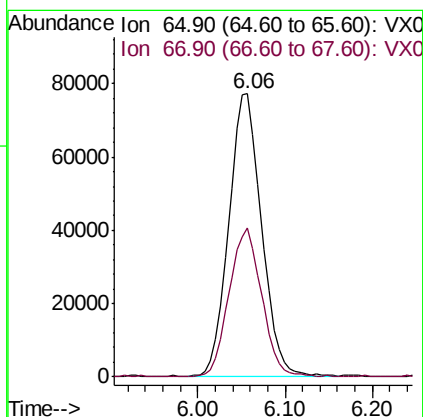
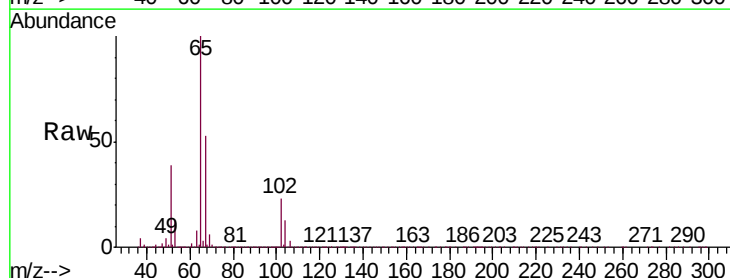
Acq: 11 Mar 2020 15:02

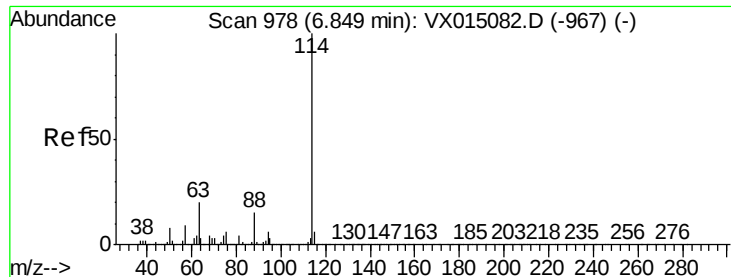
Tgt Ion: 65 Resp: 200889

Ion Ratio Lower Upper

65 100

67 51.7 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015200.D

Acq: 11 Mar 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#09

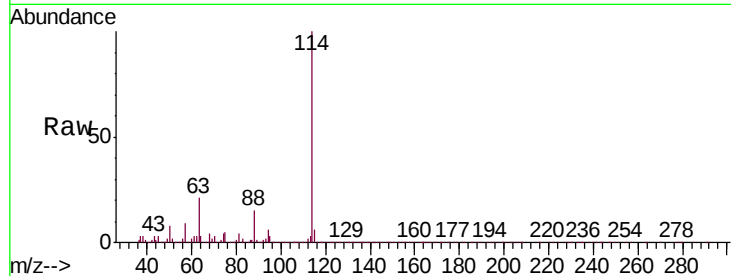
Tgt Ion:114 Resp: 529323

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

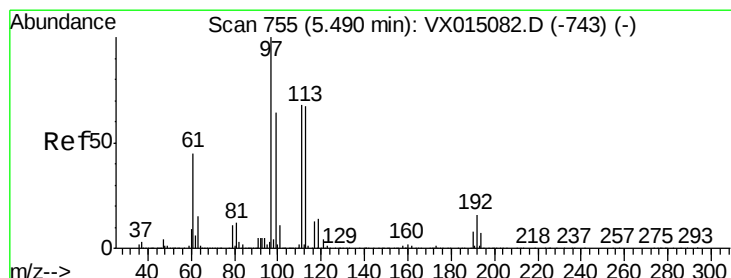
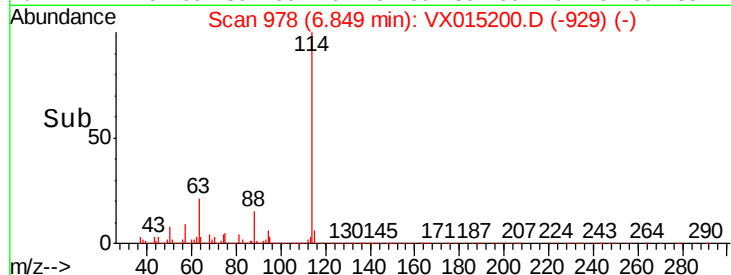
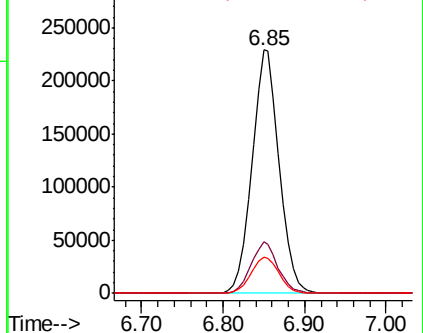
88 15.1 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.816 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015200.D

Acq: 11 Mar 2020 15:02

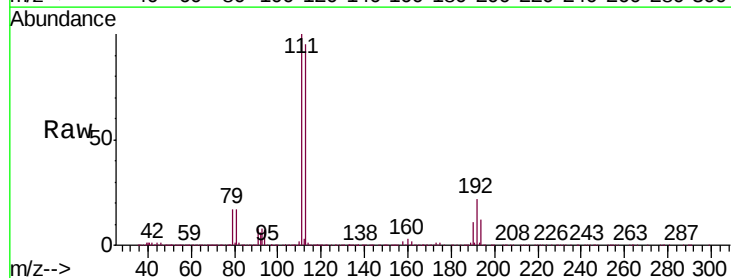
Tgt Ion:113 Resp: 166351

Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

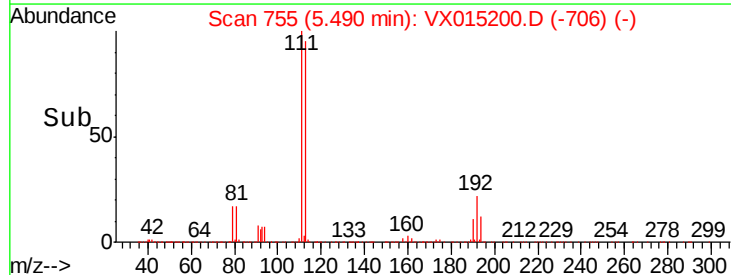
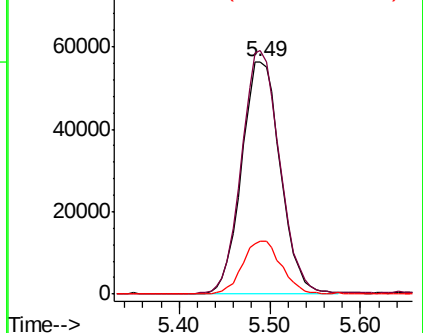
192 23.2 18.6 28.0

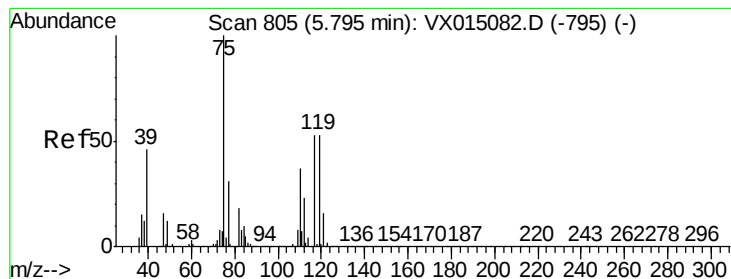


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.599 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX015200.D

Acq: 11 Mar 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#09

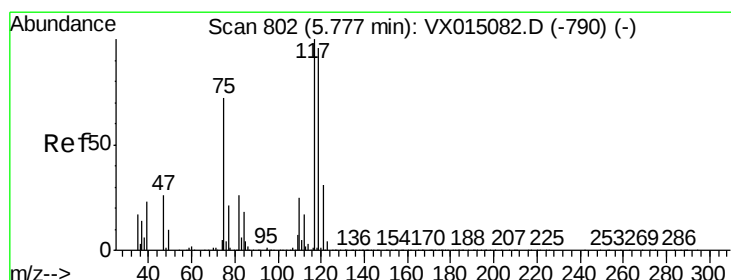
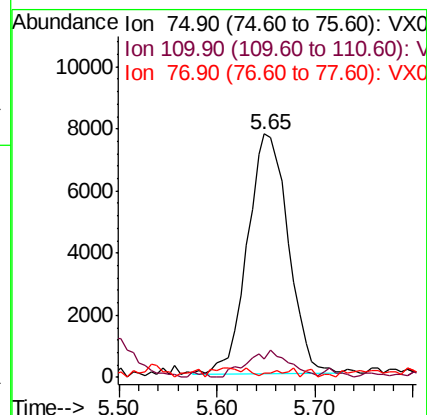
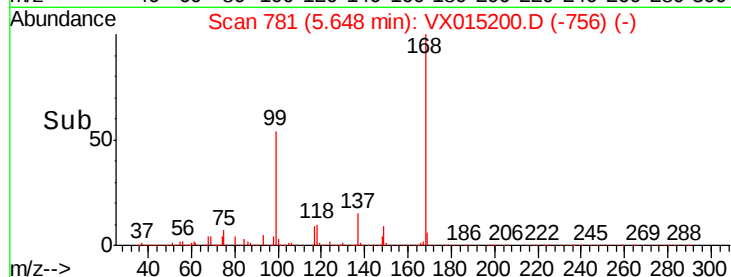
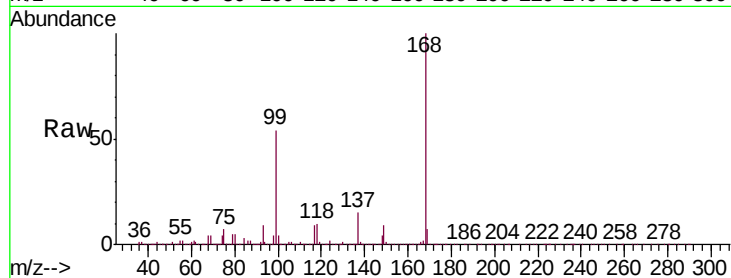
Tgt Ion: 75 Resp: 22504

Ion Ratio Lower Upper

75 100

110 11.3 17.9 53.8#

77 0.5 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.224 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015200.D

Acq: 11 Mar 2020 15:02

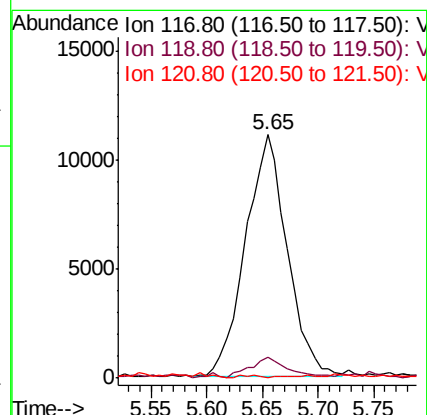
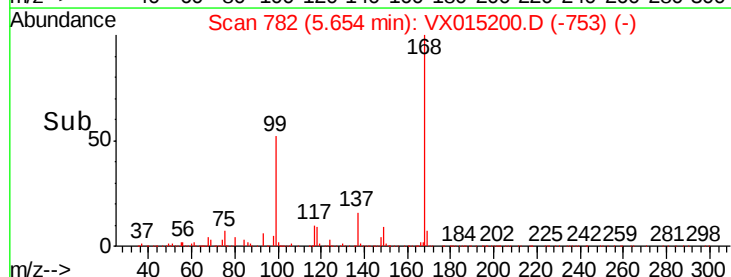
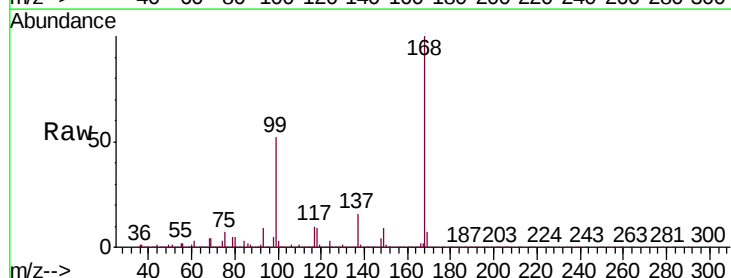
Tgt Ion: 117 Resp: 28750

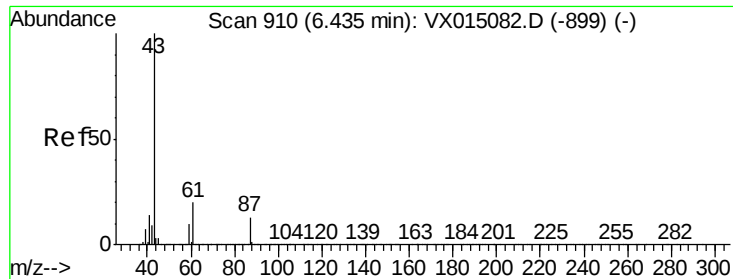
Ion Ratio Lower Upper

117 100

119 8.6 76.9 115.3#

121 0.0 24.6 37.0#



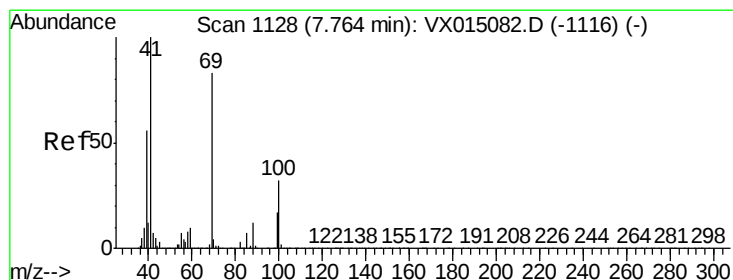
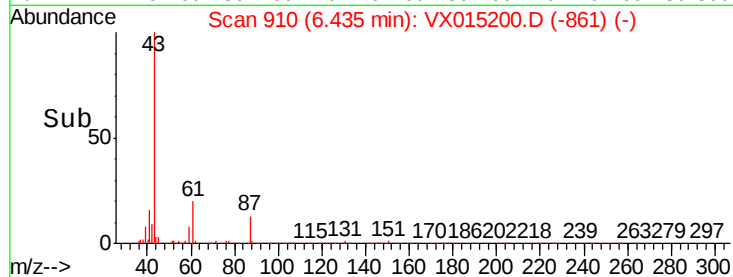
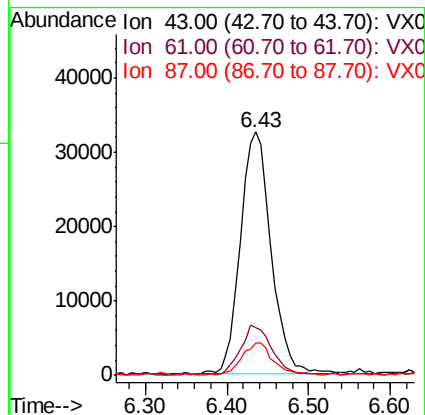
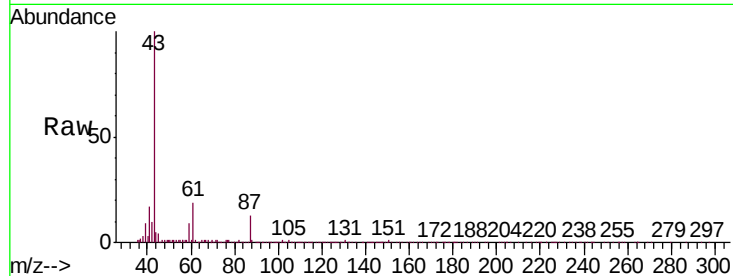


#43

Isopropyl Acetate
 Concen: 10.711 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX015200.D
 Acq: 11 Mar 2020 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#09

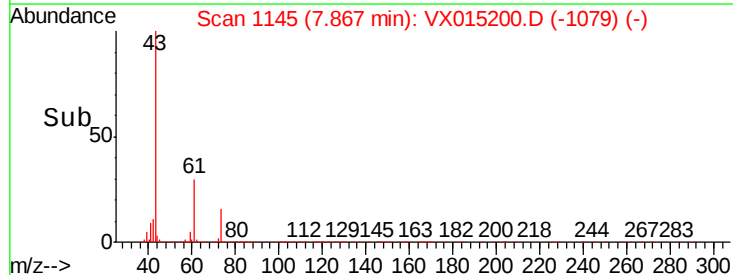
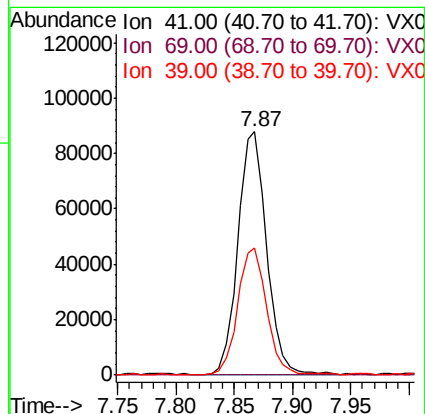
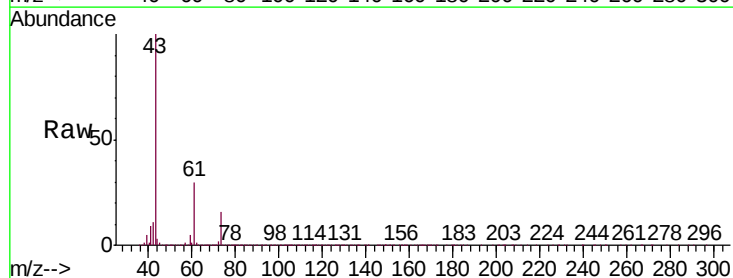
Tgt Ion:	43	Resp:	85529
Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	13.1	10.6	16.0

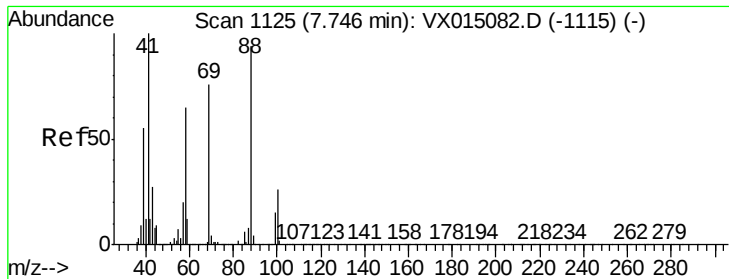


#48

Methyl methacrylate
 Concen: 36.977 ug/l
 RT: 7.87 min Scan# 1145
 Delta R.T. 0.10 min
 Lab File: VX015200.D
 Acq: 11 Mar 2020 15:02

Tgt Ion:	41	Resp:	150282
Ion	Ratio	Lower	Upper
41	100		
69	0.2	65.4	98.2#
39	52.3	44.6	67.0

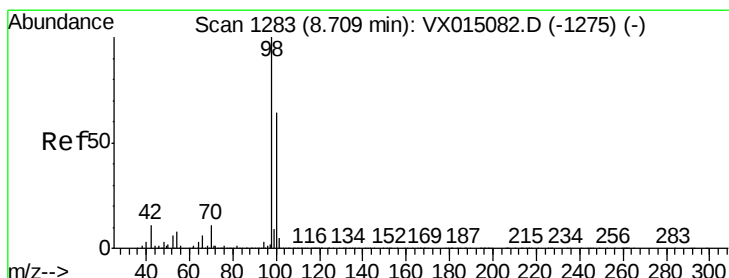
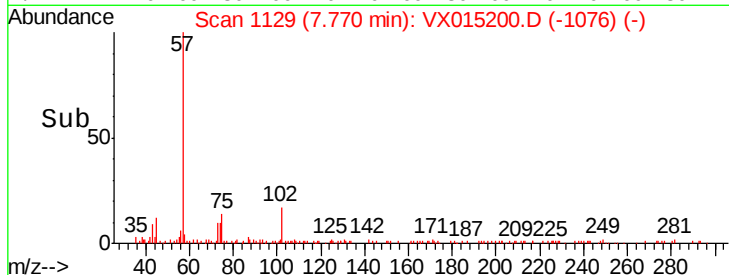
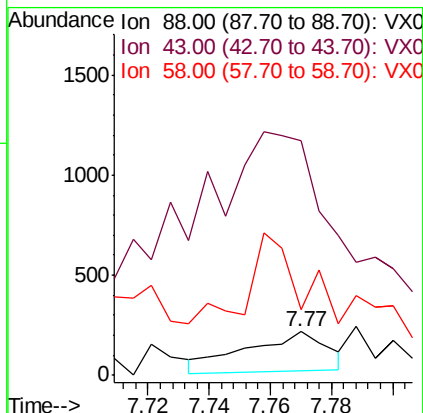
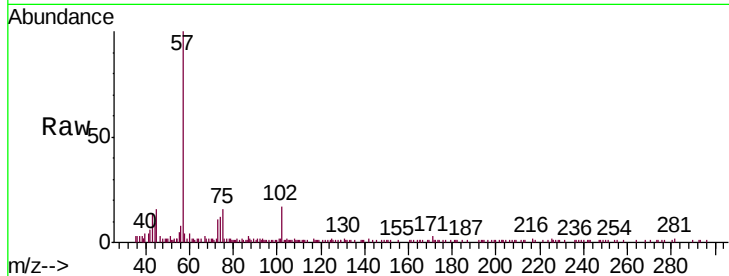




#49
1,4-Dioxane
Concen: 4.085 ug/l
RT: 7.77 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VX015200.D
Acq: 11 Mar 2020 15:02

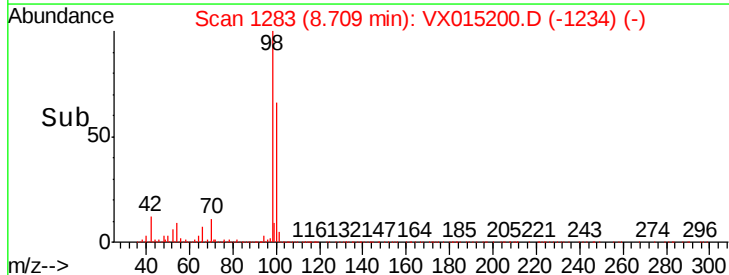
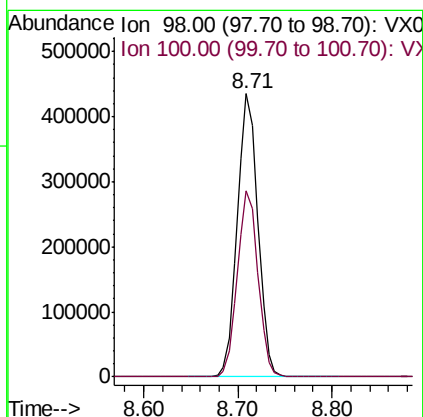
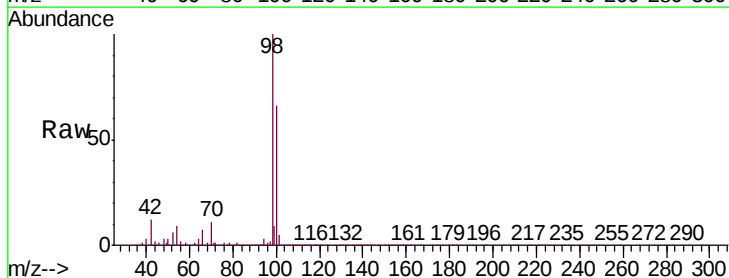
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#09

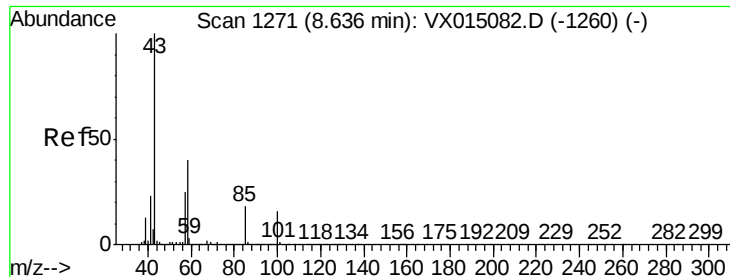
Tgt Ion: 88 Resp: 359
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 349.9 55.6 83.4#



#50
Toluene-d8
Concen: 52.202 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015200.D
Acq: 11 Mar 2020 15:02

Tgt Ion: 98 Resp: 663088
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6

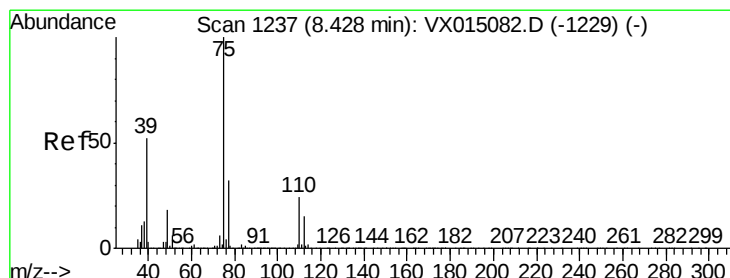
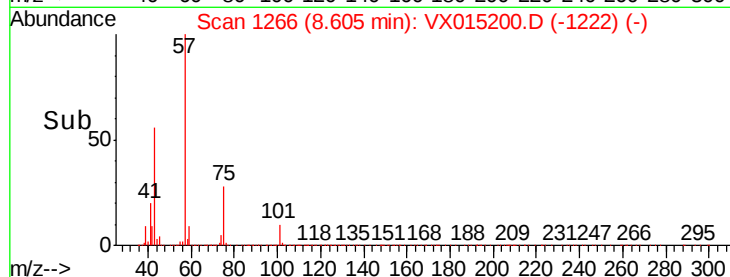
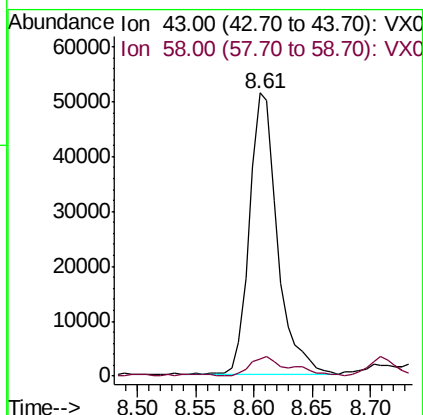
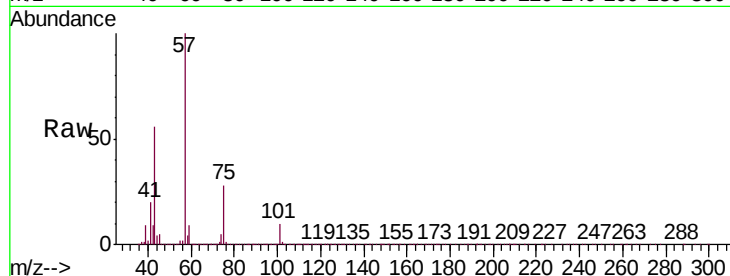




#51
 4-Methyl-2-Pentanone
 Concen: 18.435 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. -0.03 min
 Lab File: VX015200.D
 Acq: 11 Mar 2020 15:02

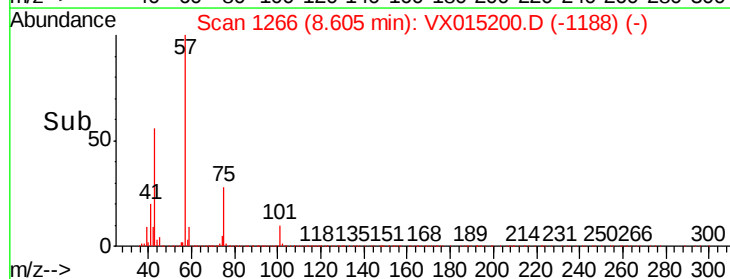
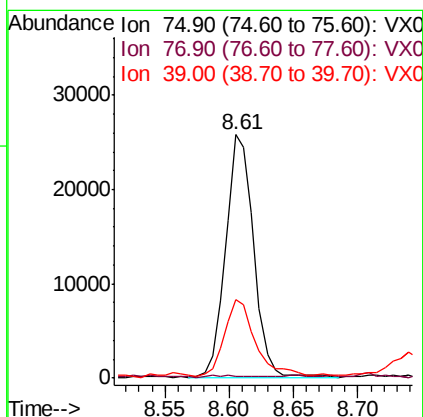
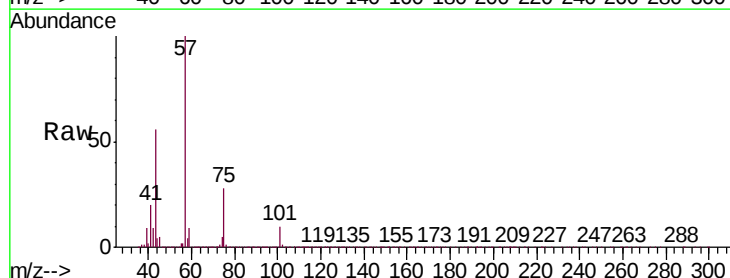
Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#09

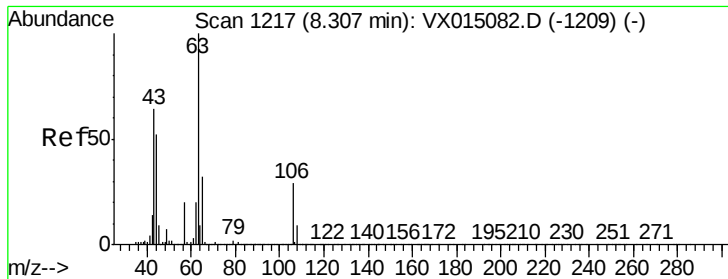
Tgt Ion: 43 Resp: 87035
 Ion Ratio Lower Upper
 43 100
 58 9.1 31.6 47.4#



#54
 cis-1,3-Dichloropropene
 Concen: 6.731 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. 0.18 min
 Lab File: VX015200.D
 Acq: 11 Mar 2020 15:02

Tgt Ion: 75 Resp: 39219
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.8 38.6#
 39 31.2 41.3 61.9#

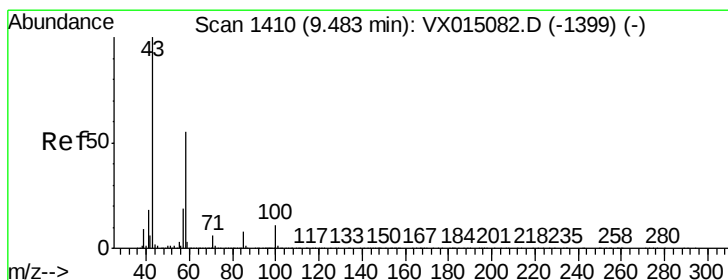
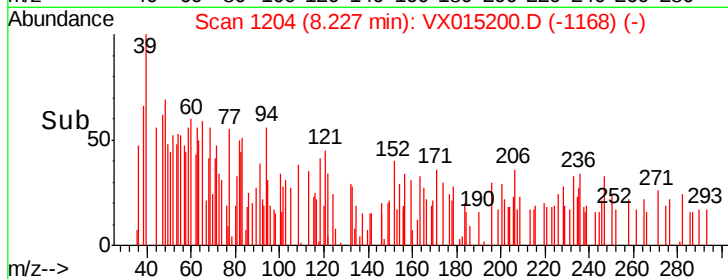
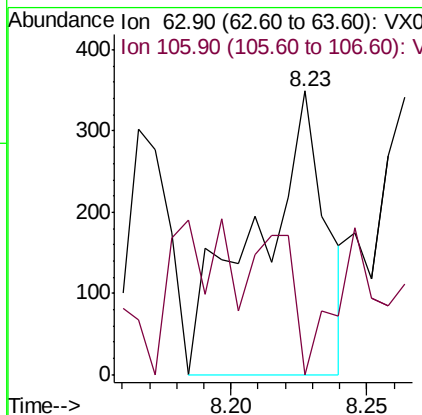
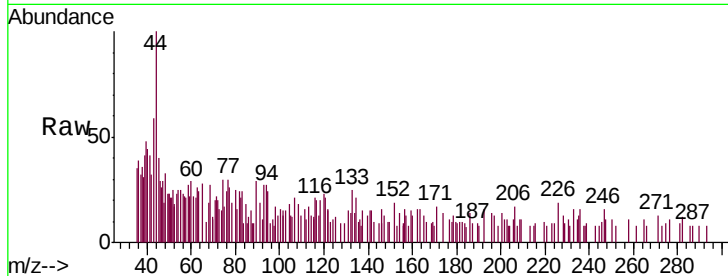




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.218 ug/l
 RT: 8.23 min Scan# 1204
 Delta R.T. -0.08 min
 Lab File: VX015200.D
 Acq: 11 Mar 2020 15:02

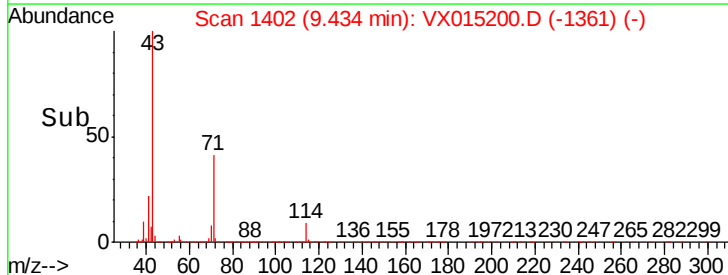
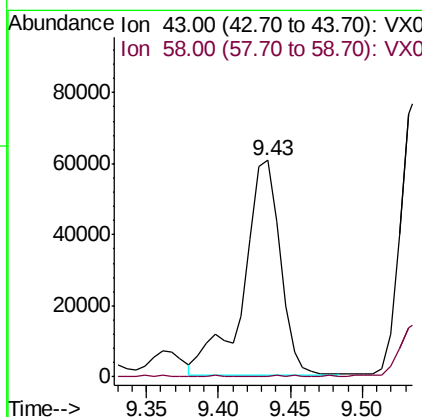
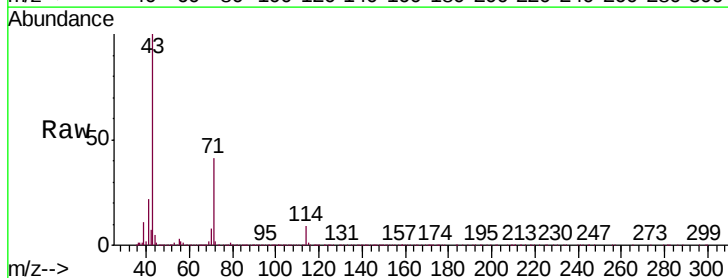
Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#09

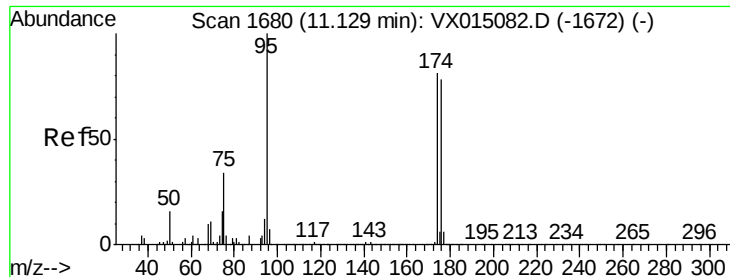
Tgt Ion: 63 Resp: 618
 Ion Ratio Lower Upper
 63 100
 106 29.1 22.8 34.2



#59
 2-Hexanone
 Concen: 30.593 ug/l
 RT: 9.43 min Scan# 1402
 Delta R.T. -0.05 min
 Lab File: VX015200.D
 Acq: 11 Mar 2020 15:02

Tgt Ion: 43 Resp: 107056
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.3 81.8#





#62

4-Bromofluorobenzene

Concen: 53.587 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015200.D

Acq: 11 Mar 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#09

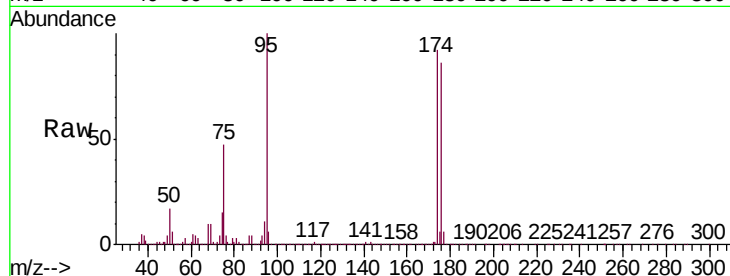
Tgt Ion: 95 Resp: 242790

Ion Ratio Lower Upper

95 100

174 88.7 0.0 177.6

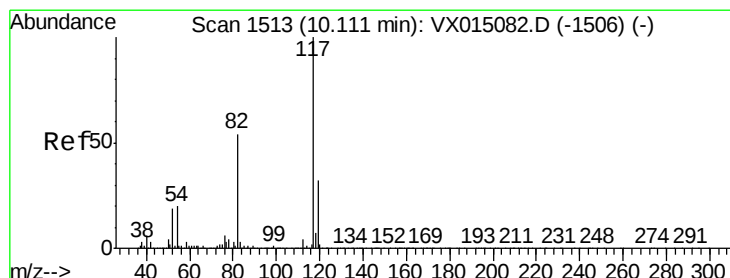
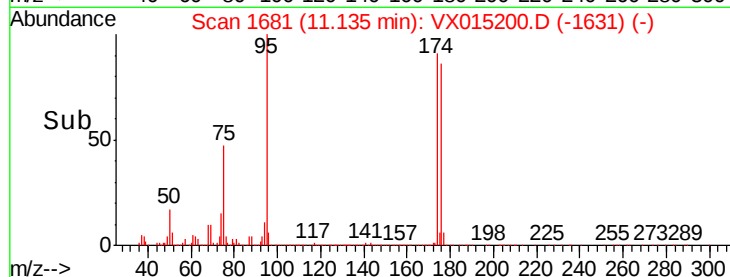
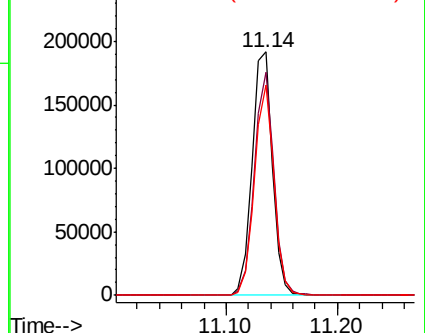
176 83.3 0.0 170.2



Abundance Ion 94.90 (94.60 to 95.60): VX015082.D (-1672) (-)

Ion 173.80 (173.50 to 174.50): VX015082.D (-1672) (-)

Ion 175.80 (175.50 to 176.50): VX015082.D (-1672) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX015200.D

Acq: 11 Mar 2020 15:02

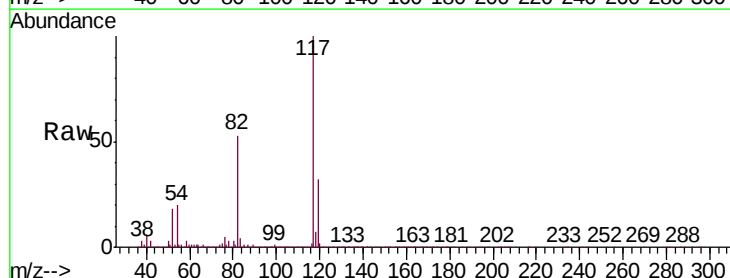
Tgt Ion: 117 Resp: 533880

Ion Ratio Lower Upper

117 100

82 53.0 43.3 64.9

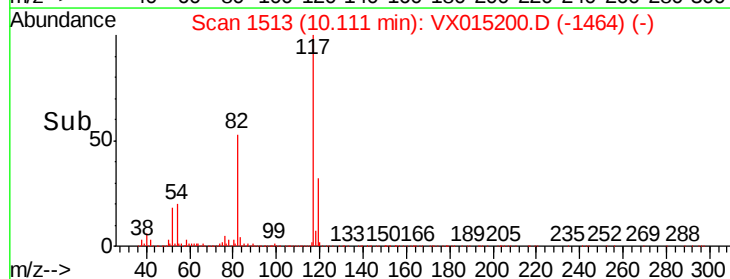
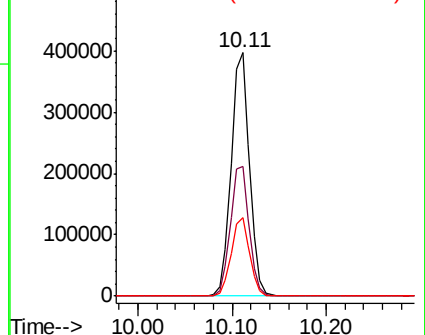
119 32.3 25.8 38.8

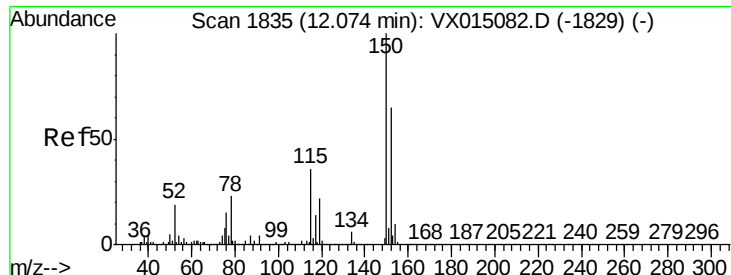


Abundance Ion 116.90 (116.60 to 117.60): VX015082.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX015082.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX015082.D (-1506) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015200.D

Acq: 11 Mar 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#09

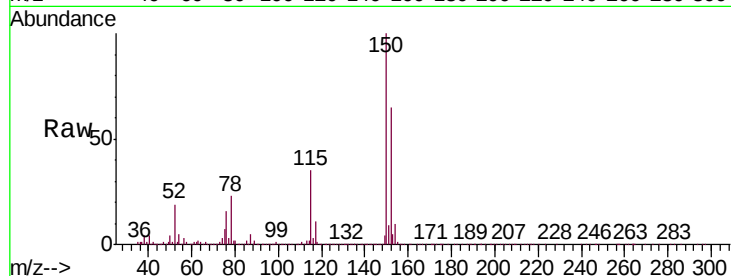
Tgt Ion:152 Resp: 260672

Ion Ratio Lower Upper

152 100

115 55.6 38.2 114.6

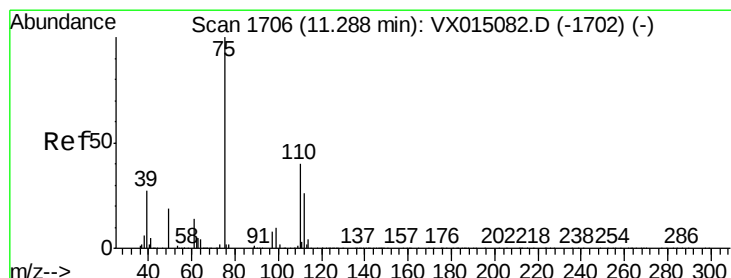
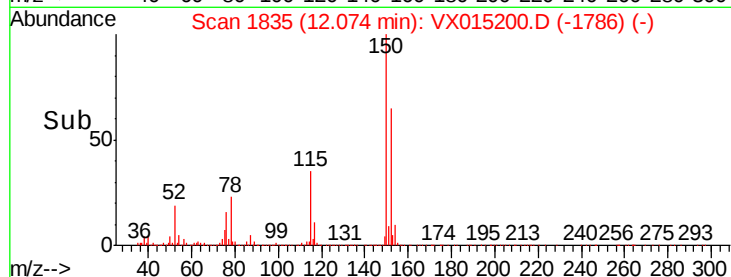
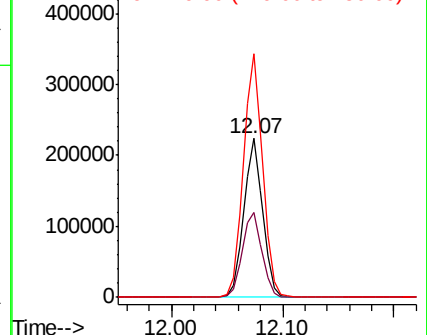
150 156.3 0.0 343.8



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



#76

1,2,3-Trichloropropane

Concen: 23.045 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015200.D

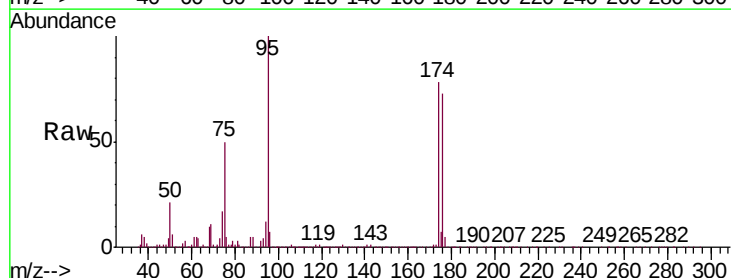
Acq: 11 Mar 2020 15:02

Tgt Ion: 75 Resp: 119825

Ion Ratio Lower Upper

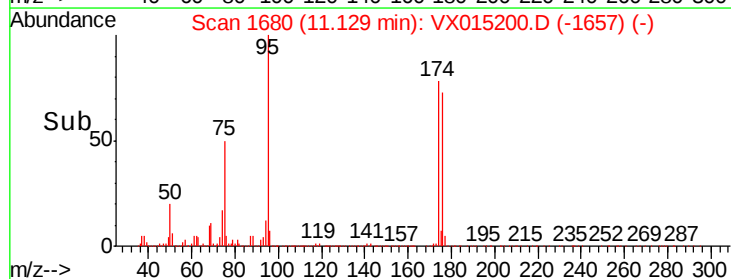
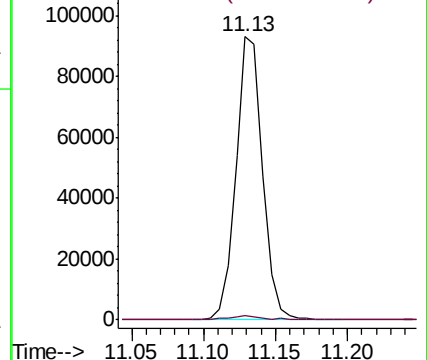
75 100

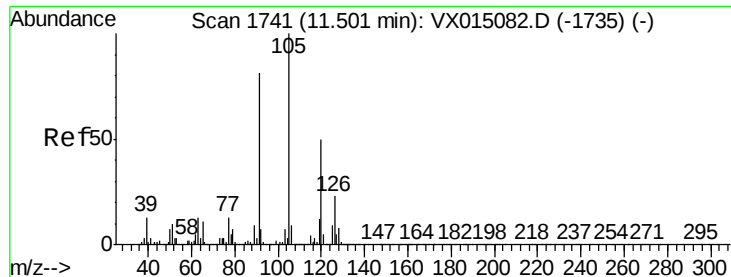
77 2.2 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.818 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX015200.D

Acq: 11 Mar 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

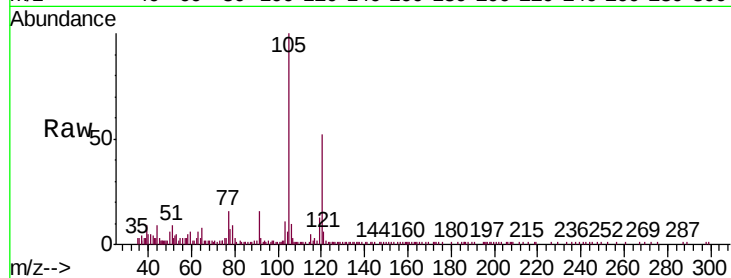
PB127431ZHE#09

Tgt Ion:105 Resp: 11345

Ion Ratio Lower Upper

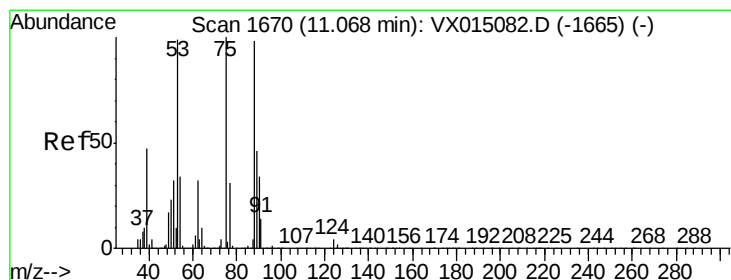
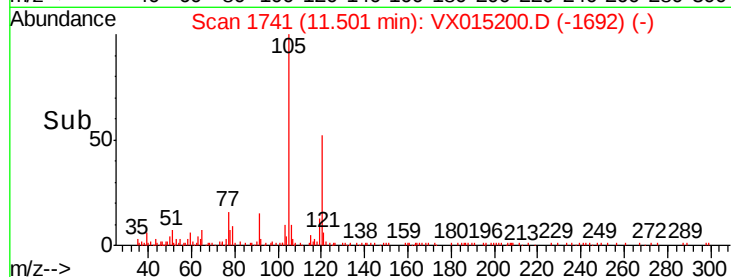
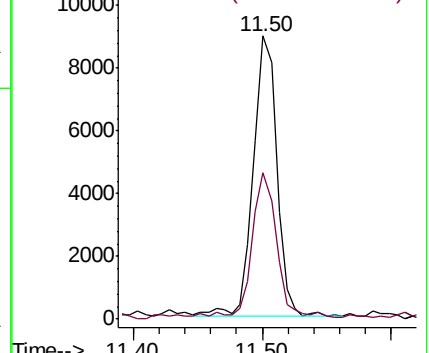
105 100

120 53.3 25.1 75.4



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: 65.402 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015200.D

Acq: 11 Mar 2020 15:02

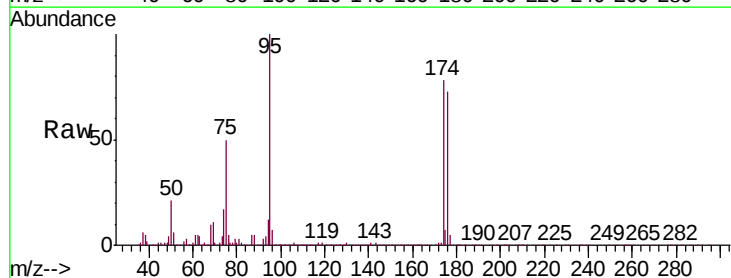
Tgt Ion: 75 Resp: 119825

Ion Ratio Lower Upper

75 100

53 0.3 77.9 116.9#

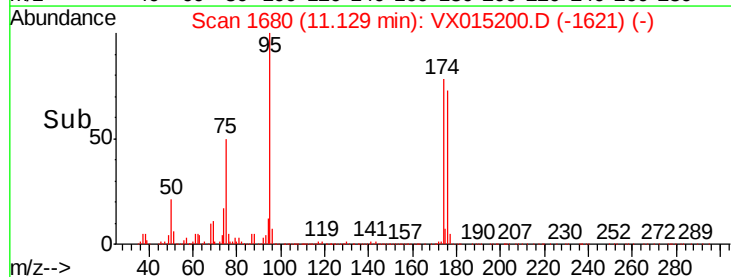
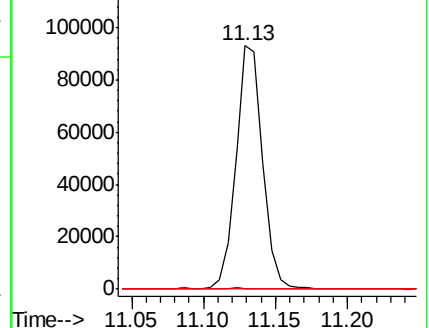
89 0.5 36.2 54.2#

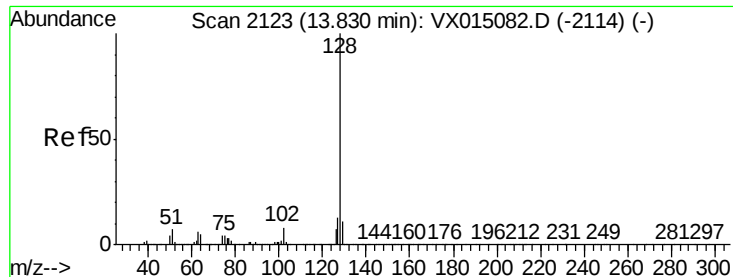


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 1.439 ug/l

RT: 14.09 min Scan# 2165

Delta R.T. 0.26 min

Lab File: VX015200.D

Acq: 11 Mar 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#09

Tgt Ion:128 Resp: 338

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 8.9 8.6 13.0

