

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX011320\
 Data File : VX014583.D
 Acq On : 13 Jan 2020 13:48
 Operator : JC/SP
 Sample : PB126026TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB126026TB

Quant Time: Jan 14 13:05:40 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	492021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	774265	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	700315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	311665	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	274444	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	5.49	113	229997	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	8.71	98	921281	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.13	95	316724	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

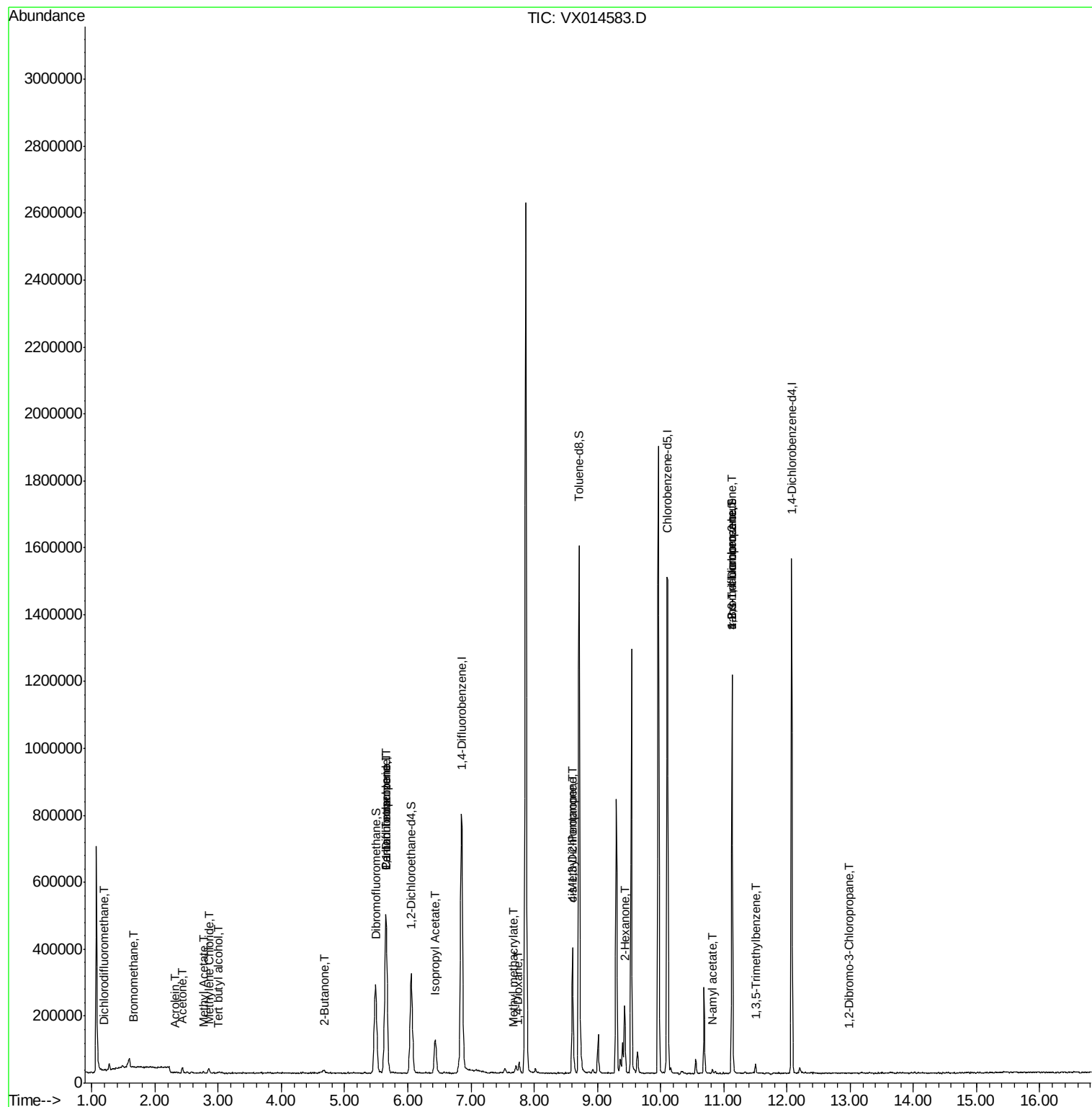
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	184	0.282	ug/l	76
5) Bromomethane	1.66	94	1494	0.322	ug/l #	39
6) Chloroethane	1.68	64	513	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	2127	1.855	ug/l	97
13) Acrolein	2.31	56	438	0.476	ug/l #	70
16) Acetone	2.43	43	19516	2.957	ug/l #	84
18) Methyl Acetate	2.76	43	6260	0.793	ug/l	95
20) Methylene Chloride	2.85	84	7199	1.303	ug/l #	92
25) 2-Butanone	4.68	43	3328	0.811	ug/l	93
36) 1,1-Dichloropropene	5.65	75	33154	4.553	ug/l #	51
38) Carbon Tetrachloride	5.65	117	43563	6.502	ug/l #	17
43) Isopropyl Acetate	6.43	43	139019	10.881	ug/l	99
48) Methyl methacrylate	7.67	41	7545	1.233	ug/l #	20
49) 1,4-Dioxane	7.74	88	400	3.085	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	132307	16.994	ug/l #	50
54) cis-1,3-Dichloropropene	8.61	75	62780	7.134	ug/l #	61
59) 2-Hexanone	9.43	43	138476	22.479	ug/l #	23
74) N-amyl acetate	10.82	43	5011	0.519	ug/l #	50
76) 1,2,3-Trichloropropane	11.13	75	155019	24.040	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.50	105	14280	0.786	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	155019	63.557	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	1098	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	12.99	75	474	0.300	ug/l #	27
93) 1,2,4-Trichlorobenzene	13.52	180	293	Below Cal		89
96) 1,2,3-Trichlorobenzene	14.01	180	597	Below Cal	#	67

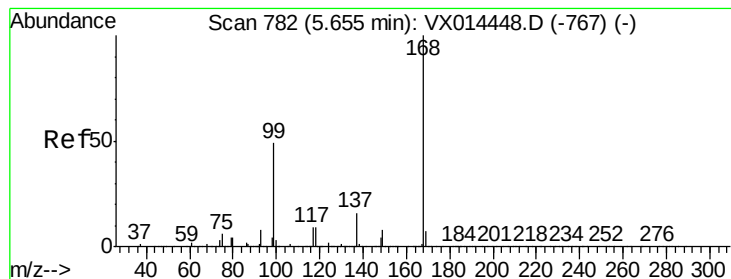
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
PB126026TB

Quant Time: Jan 14 13:05:40 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: VX014583.D

Acq: 13 Jan 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

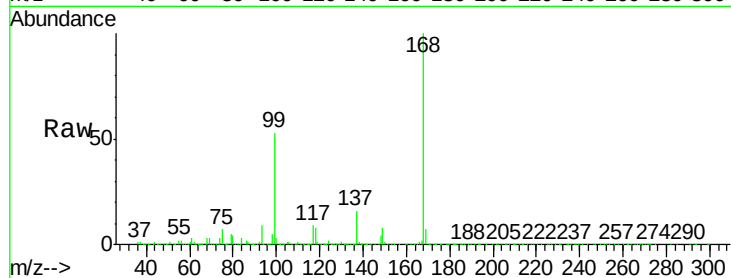
PB126026TB

Tgt Ion: 168 Resp: 492021

Ion Ratio Lower Upper

168 100

99 52.5 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

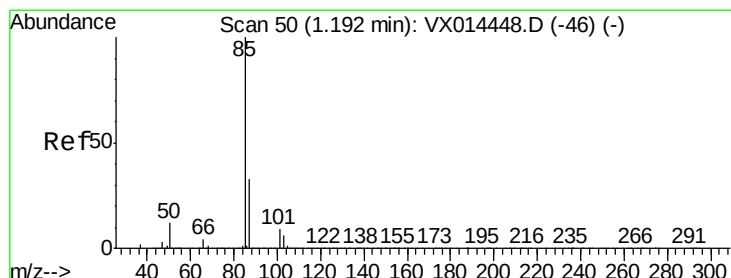
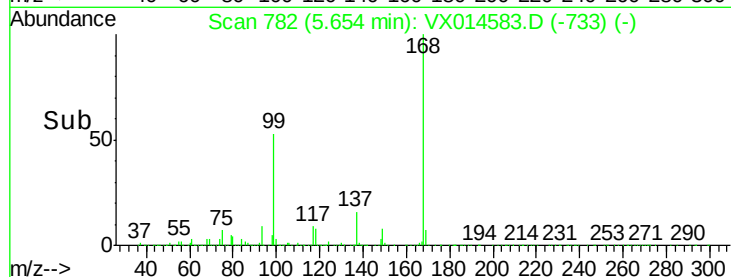
100000

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: VX014583.D

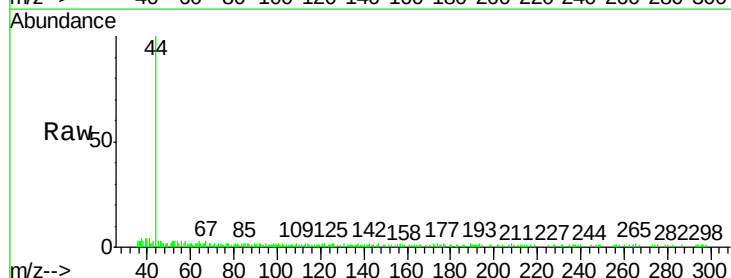
Acq: 13 Jan 2020 13:48

Tgt Ion: 85 Resp: 184

Ion Ratio Lower Upper

85 100

87 46.3 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

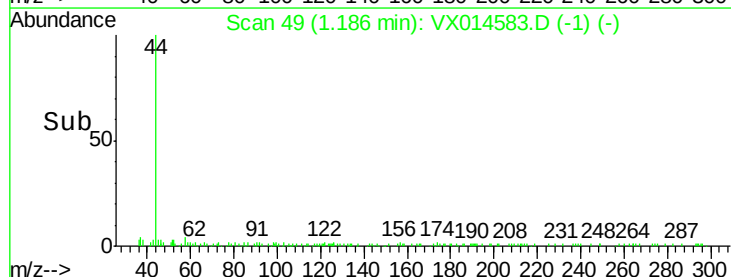
200

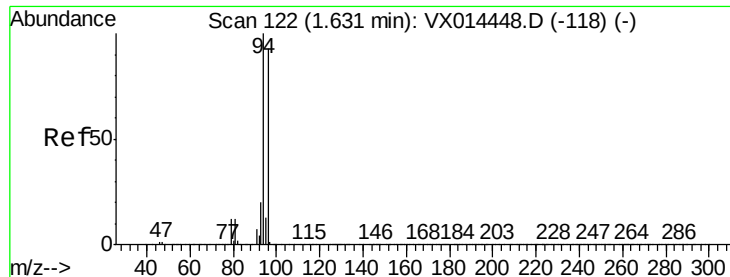
100

0

Time-->

1.18 1.20 1.22





#5

Bromomethane

Concen: 0.322 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014583.D

Acq: 13 Jan 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

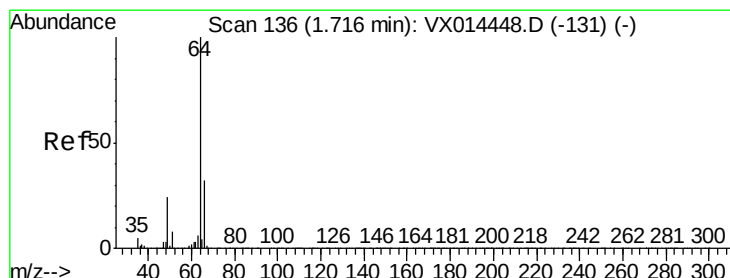
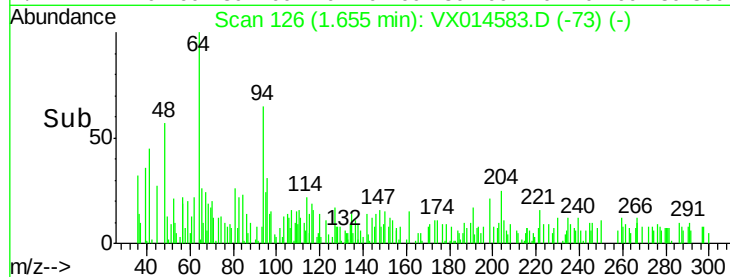
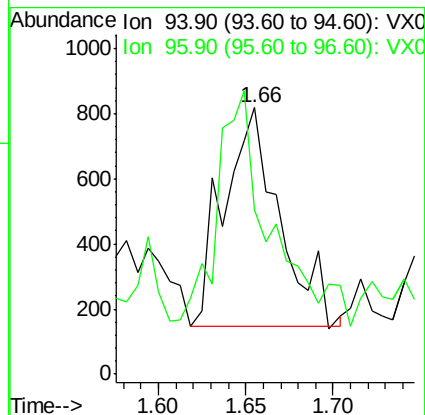
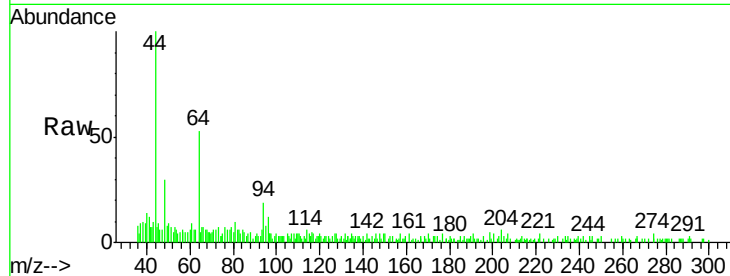
PB126026TB

Tgt Ion: 94 Resp: 1494

Ion Ratio Lower Upper

94 100

96 34.5 74.2 111.2#



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 130

Delta R.T. -0.04 min

Lab File: VX014583.D

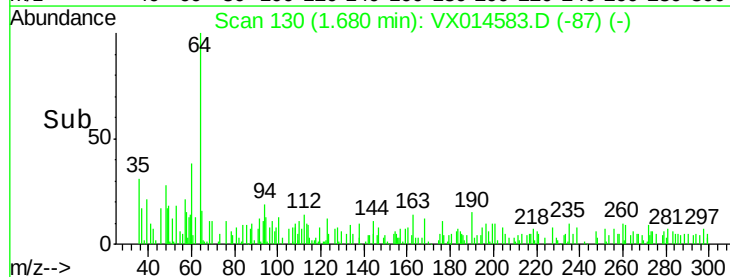
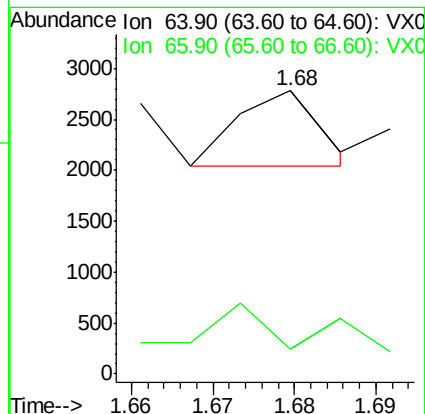
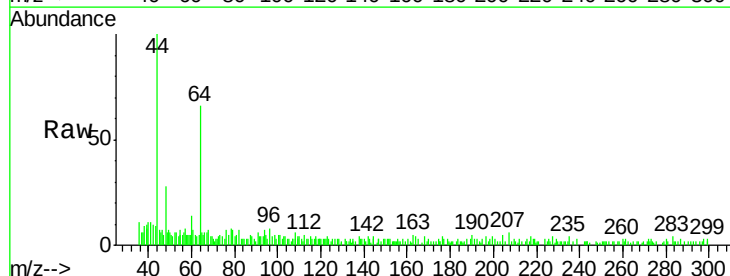
Acq: 13 Jan 2020 13:48

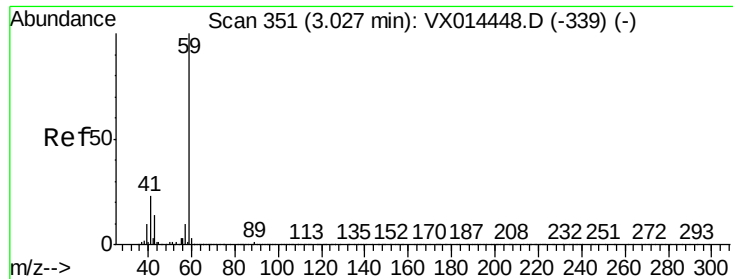
Tgt Ion: 64 Resp: 513

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#

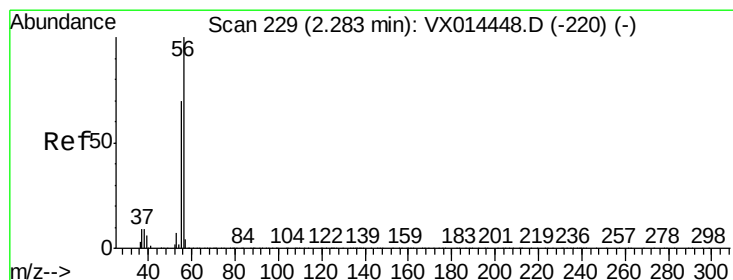
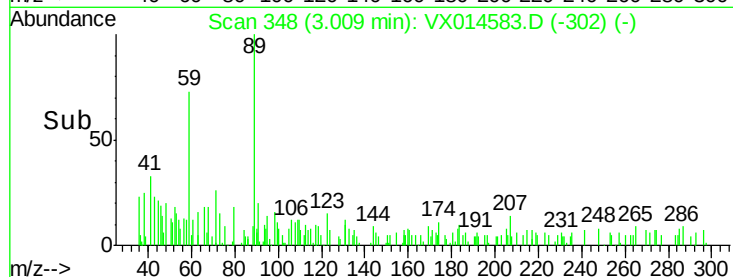
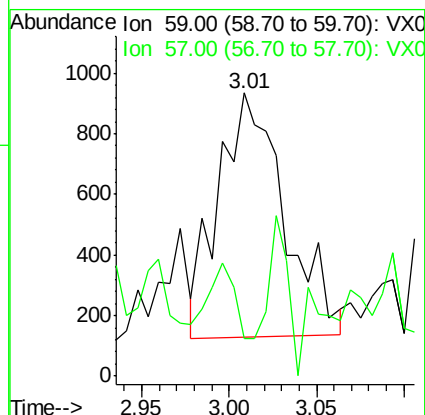
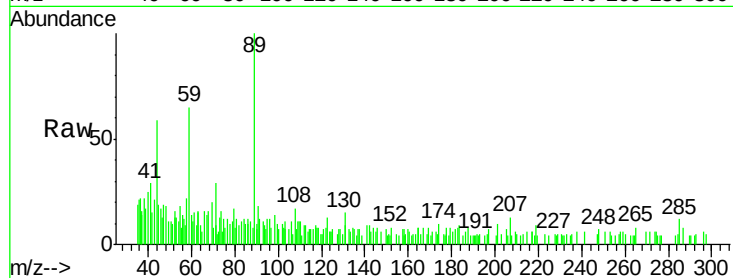




#11
Tert butyl alcohol
Concen: 1.855 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014583.D
Acq: 13 Jan 2020 13:48

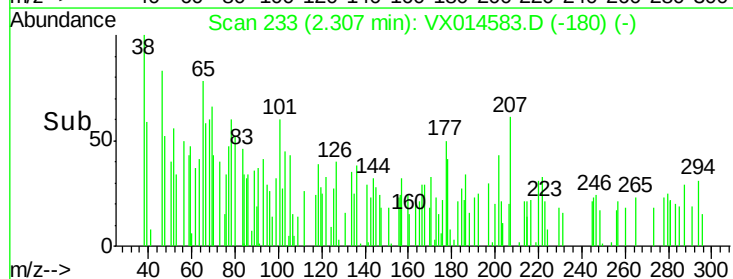
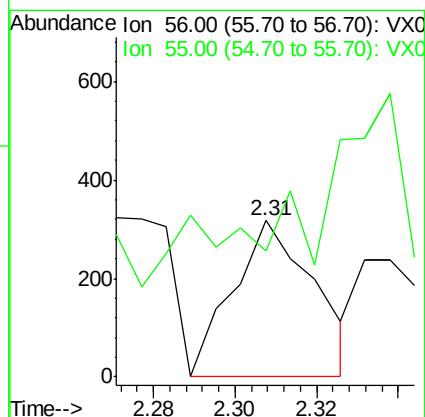
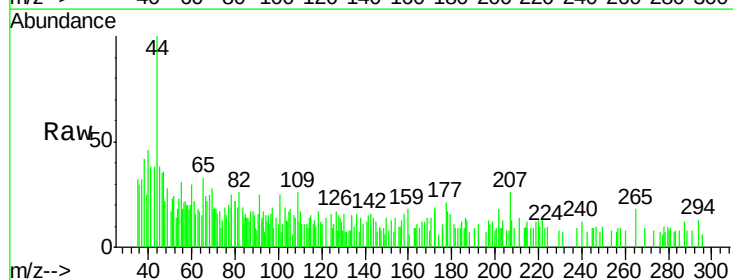
Instrument :
MSVOA_X
ClientSampled :
PB126026TB

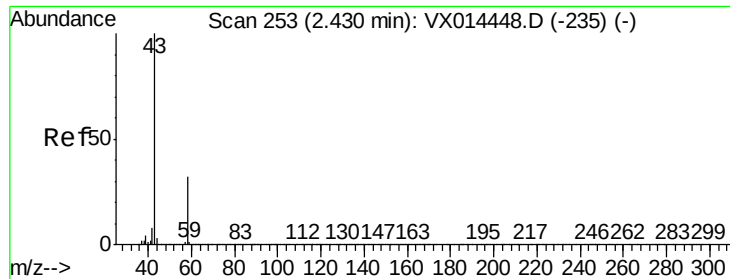
Tgt Ion: 59 Resp: 2127
Ion Ratio Lower Upper
59 100
57 11.7 8.5 12.7



#13
Acrolein
Concen: 0.476 ug/l
RT: 2.31 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX014583.D
Acq: 13 Jan 2020 13:48

Tgt Ion: 56 Resp: 438
Ion Ratio Lower Upper
56 100
55 44.3 55.0 82.6#





#16

Acetone

Concen: 2.957 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014583.D

Acq: 13 Jan 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

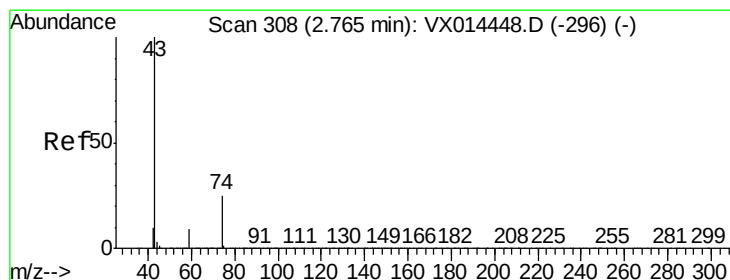
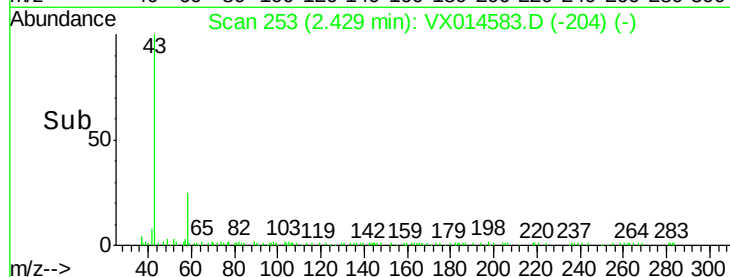
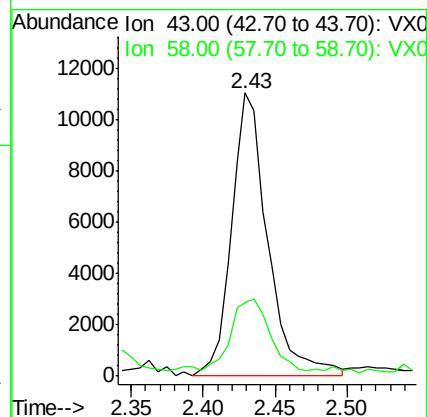
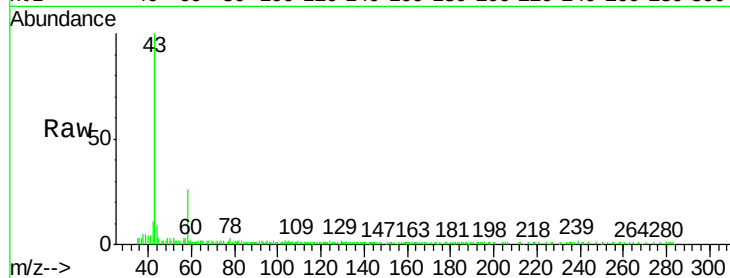
PB126026TB

Tgt Ion: 43 Resp: 19516

Ion Ratio Lower Upper

43 100

58 22.6 25.4 38.0#



#18

Methyl Acetate

Concen: 0.793 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX014583.D

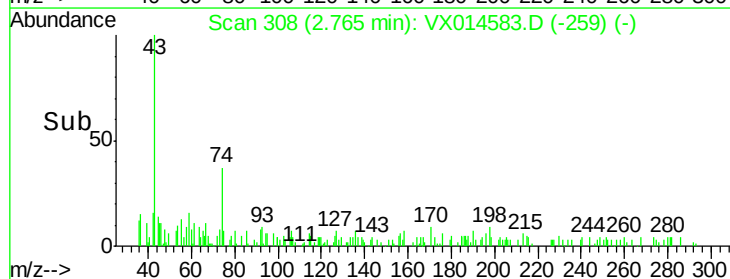
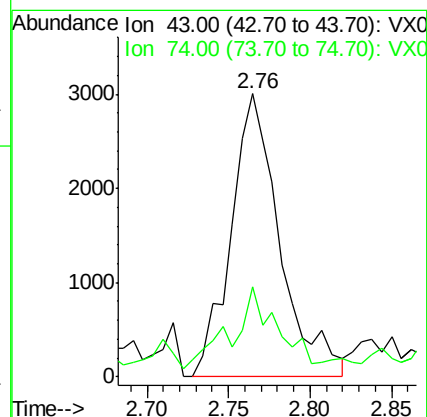
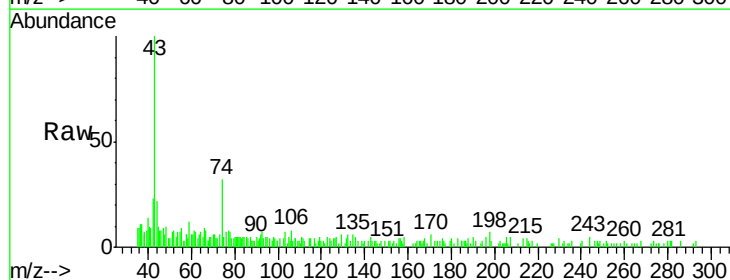
Acq: 13 Jan 2020 13:48

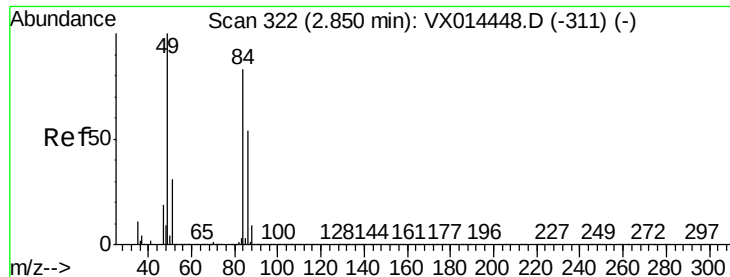
Tgt Ion: 43 Resp: 6260

Ion Ratio Lower Upper

43 100

74 26.8 19.4 29.2

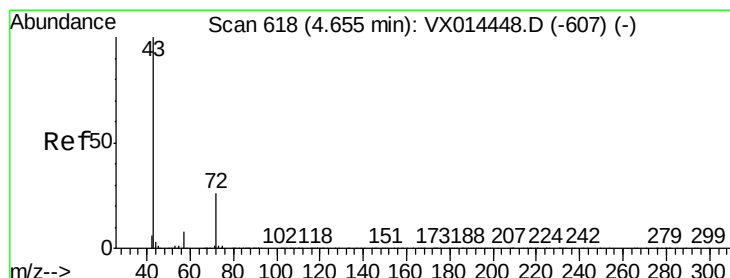
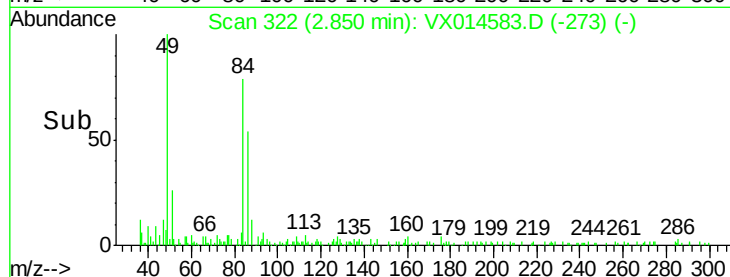
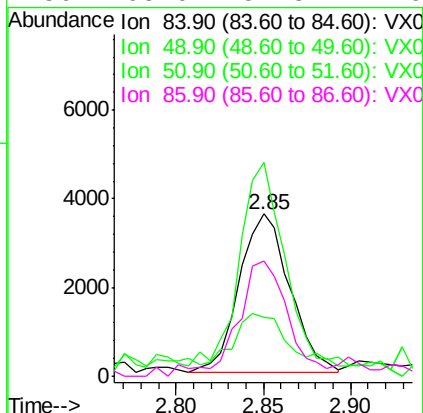
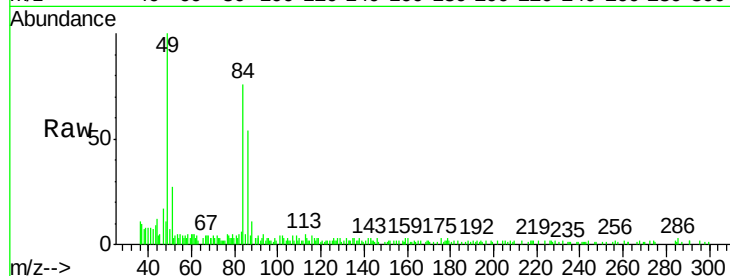




#20
Methylene Chloride
Concen: 1.303 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014583.D
Acq: 13 Jan 2020 13:48

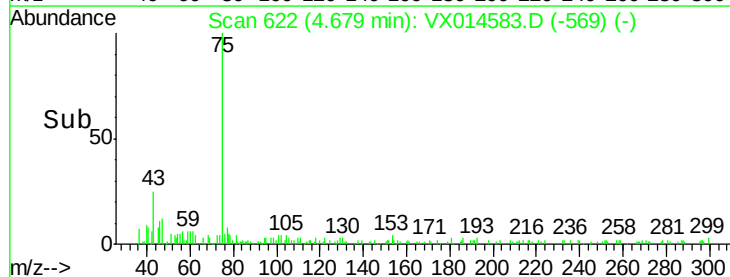
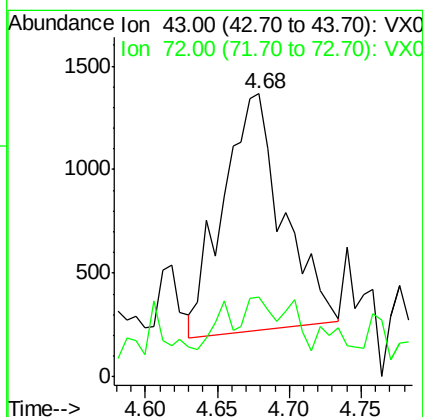
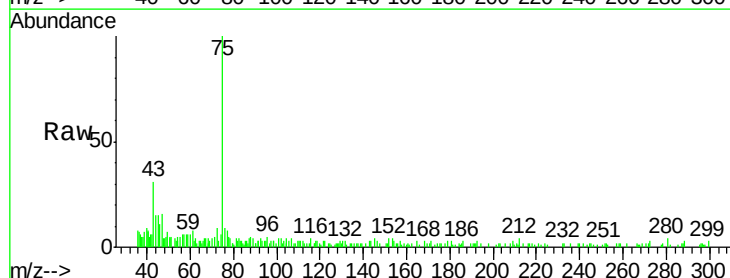
Instrument :
MSVOA_X
ClientSampleId :
PB126026TB

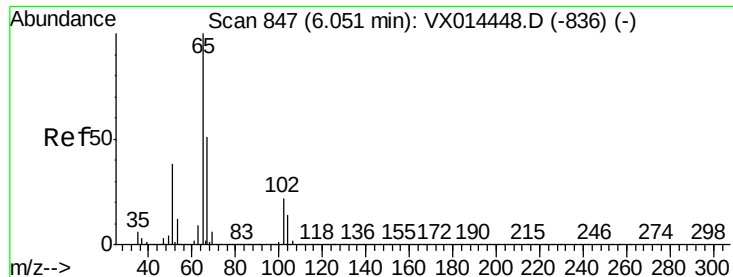
Tgt Ion:	84	Resp:	7199
Ion	Ratio	Lower	Upper
84	100		
49	128.3	95.8	143.8
51	25.9	30.2	45.4#
86	65.0	51.8	77.6



#25
2-Butanone
Concen: 0.811 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014583.D
Acq: 13 Jan 2020 13:48

Tgt Ion:	43	Resp:	3328
Ion	Ratio	Lower	Upper
43	100		
72	22.1	20.6	31.0





#33

1,2-Dichloroethane-d4

Concen: 49.966 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014583.D

Acq: 13 Jan 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

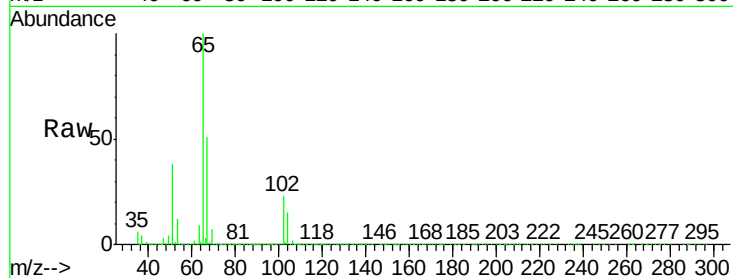
PB126026TB

Tgt Ion: 65 Resp: 274444

Ion Ratio Lower Upper

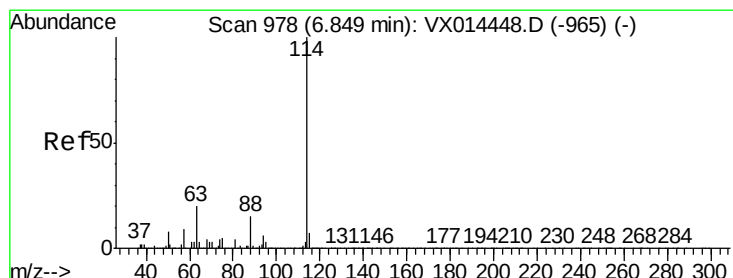
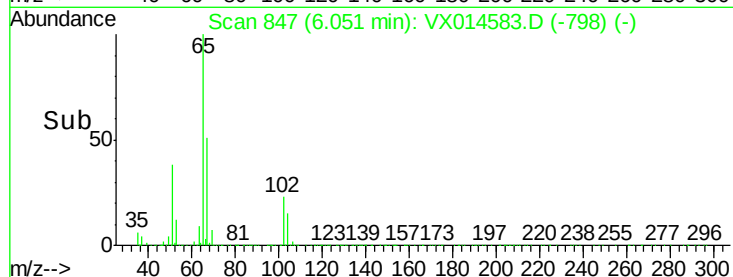
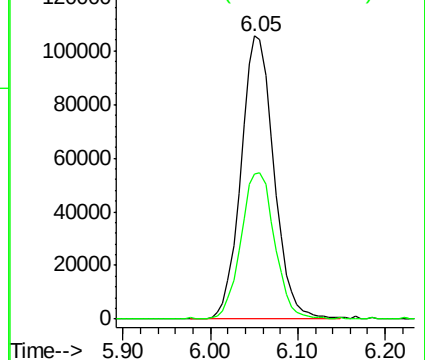
65 100

67 52.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014583.D

Acq: 13 Jan 2020 13:48

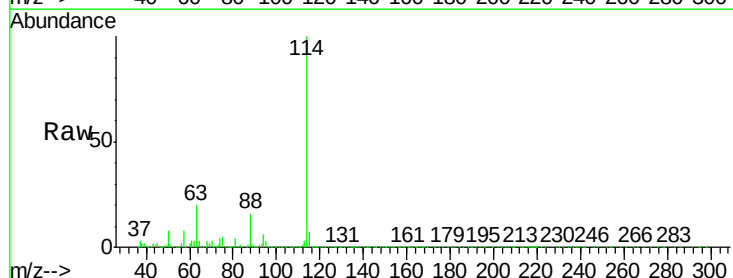
Tgt Ion: 114 Resp: 774265

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

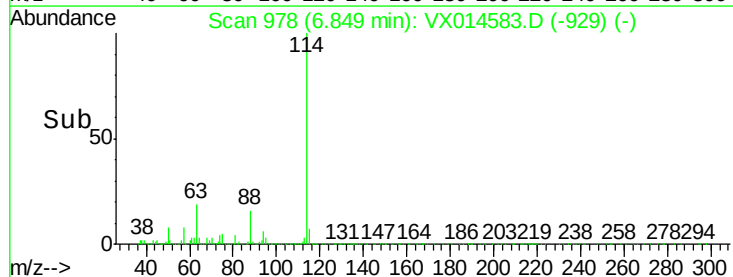
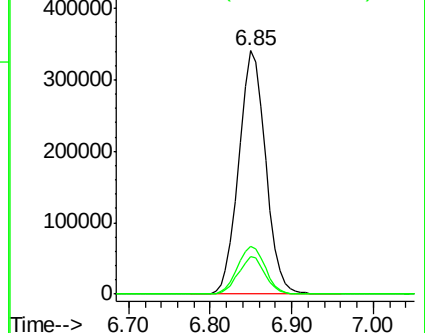
88 15.5 0.0 30.8

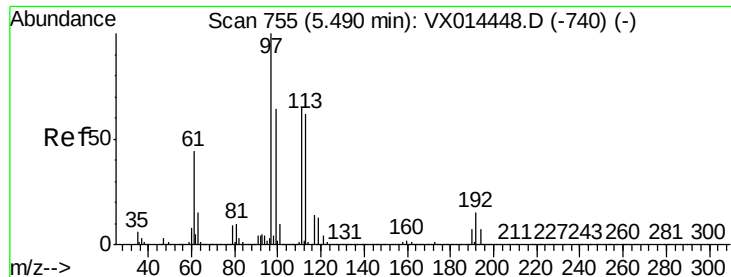


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.072 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014583.D

Acq: 13 Jan 2020 13:48

Instrument :

MSVOA_X

ClientSampled :

PB126026TB

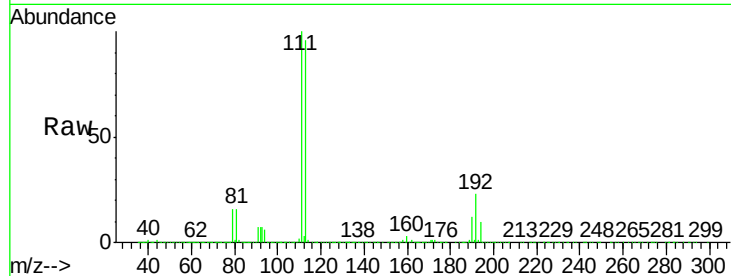
Tgt Ion: 113 Resp: 229997

Ion Ratio Lower Upper

113 100

111 102.6 81.5 122.3

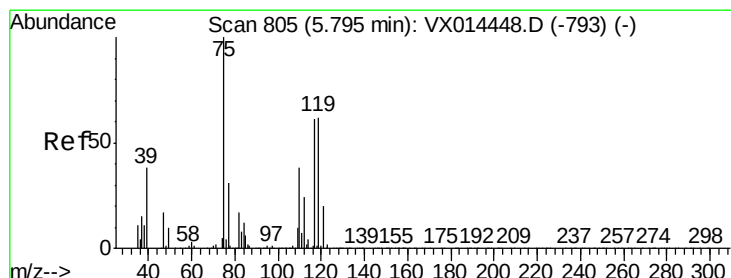
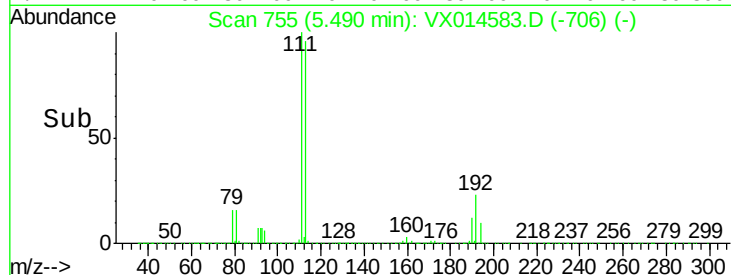
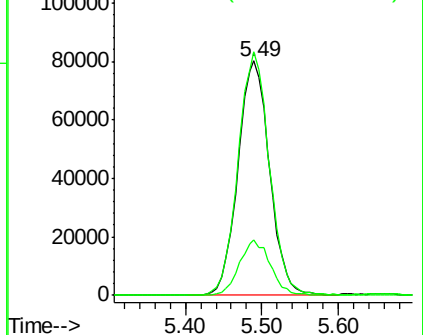
192 23.3 19.2 28.8



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: 4.553 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX014583.D

Acq: 13 Jan 2020 13:48

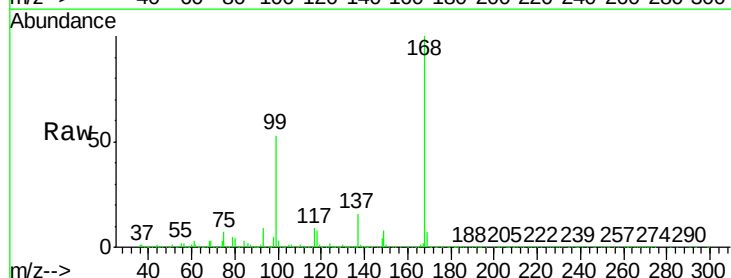
Tgt Ion: 75 Resp: 33154

Ion Ratio Lower Upper

75 100

110 11.6 18.6 55.8#

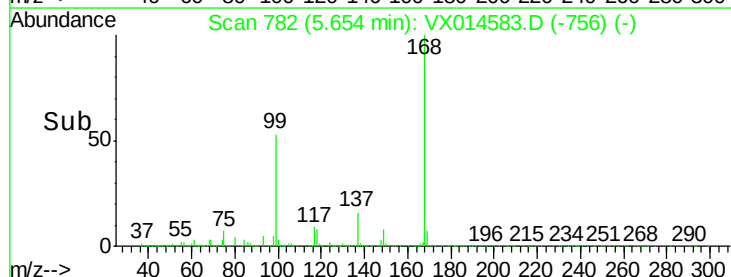
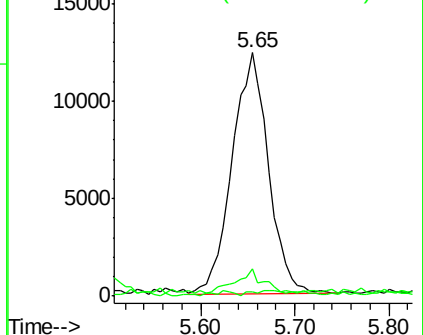
77 0.0 24.5 36.7#

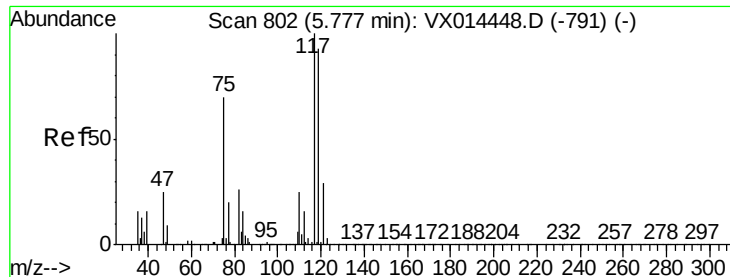


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.502 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014583.D

Acq: 13 Jan 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

PB126026TB

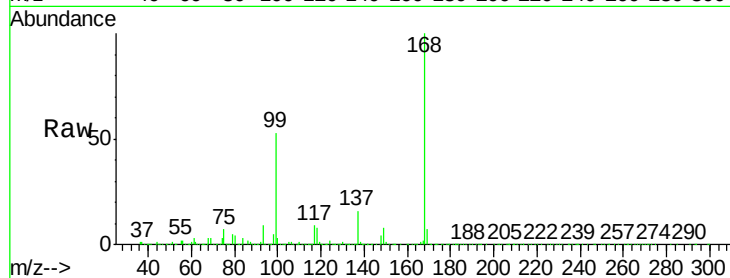
Tgt Ion:117 Resp: 43563

Ion Ratio Lower Upper

117 100

119 4.2 73.8 110.8#

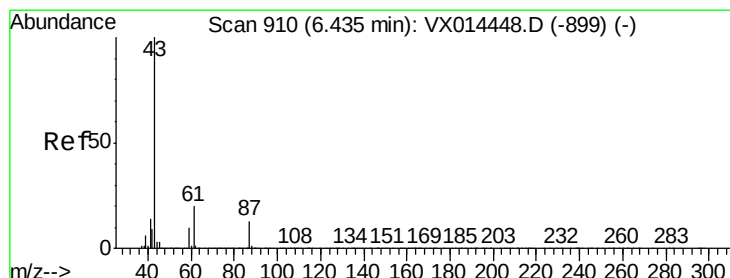
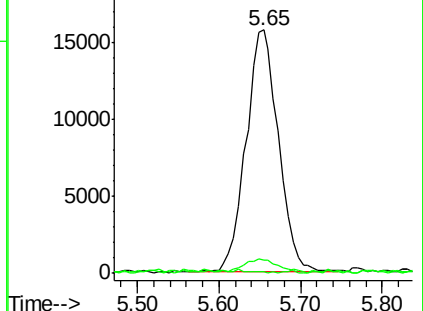
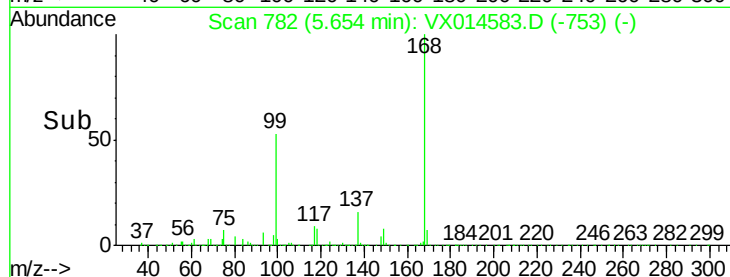
121 0.2 23.4 35.0#



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: 10.881 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX014583.D

Acq: 13 Jan 2020 13:48

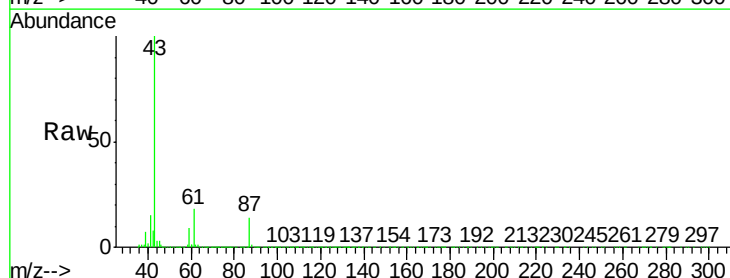
Tgt Ion: 43 Resp: 139019

Ion Ratio Lower Upper

43 100

61 19.8 16.6 24.8

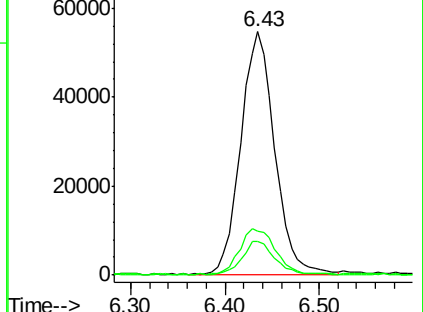
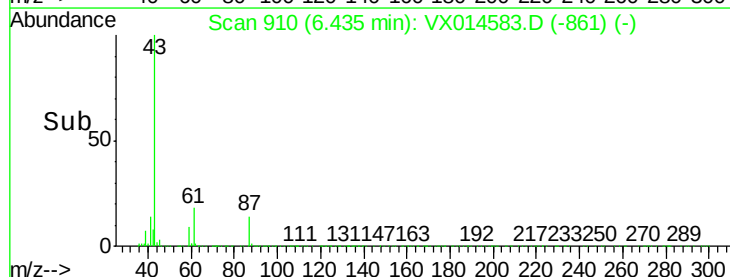
87 13.6 10.8 16.2

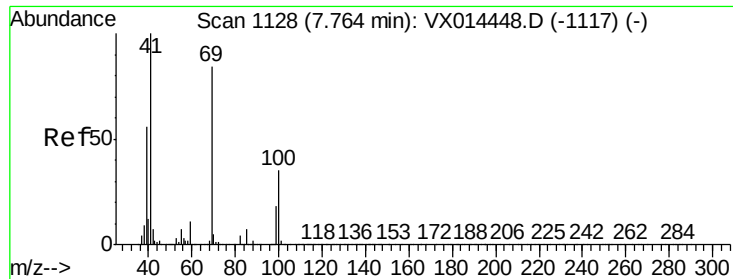


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

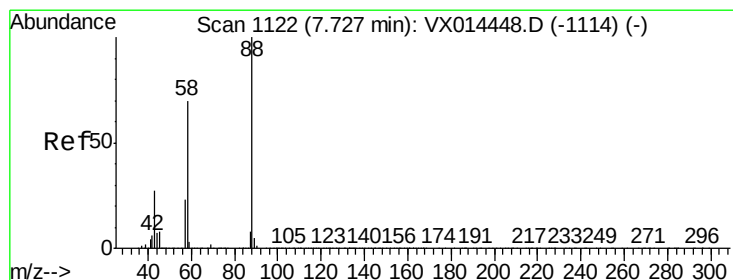
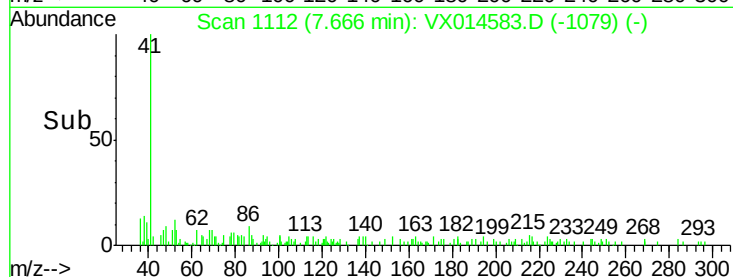
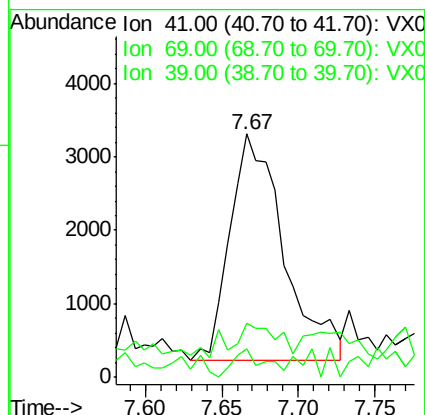
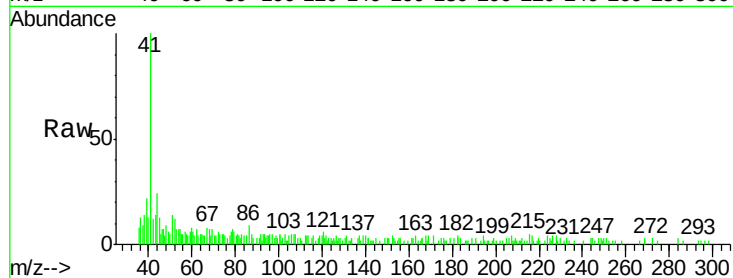




#48
Methyl methacrylate
Concen: 1.233 ug/l
RT: 7.67 min Scan# 1112
Delta R.T. -0.10 min
Lab File: VX014583.D
Acq: 13 Jan 2020 13:48

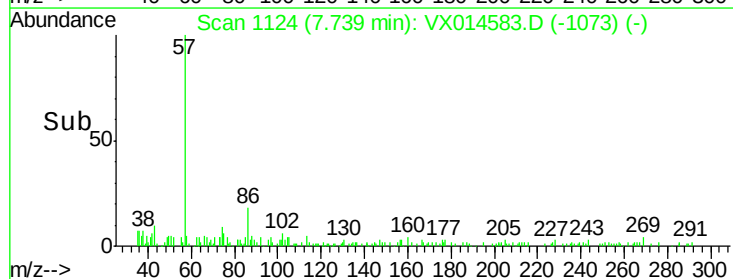
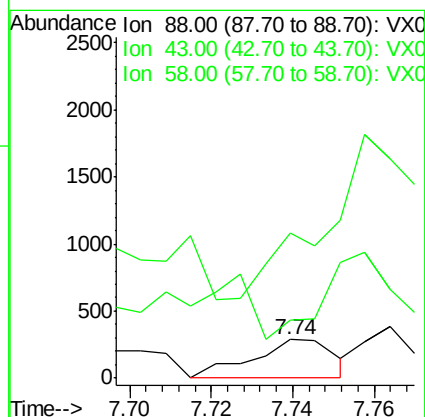
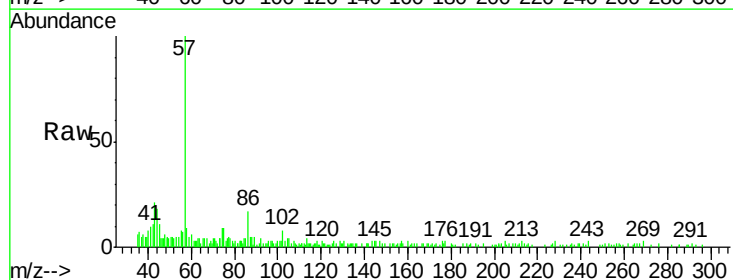
Instrument :
MSVOA_X
ClientSampleId :
PB126026TB

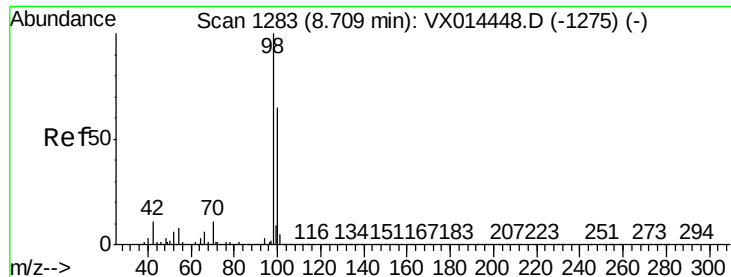
Tgt Ion: 41 Resp: 7545
Ion Ratio Lower Upper
41 100
69 7.3 65.5 98.3#
39 0.0 43.9 65.9#



#49
1,4-Dioxane
Concen: 3.085 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014583.D
Acq: 13 Jan 2020 13:48

Tgt Ion: 88 Resp: 400
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 319.3 57.1 85.7#





#50

Toluene-d8

Concen: 50.652 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014583.D

Acq: 13 Jan 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

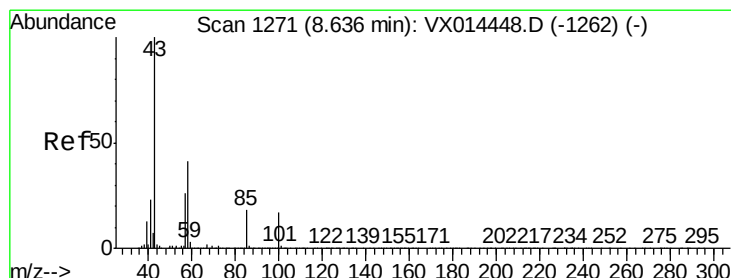
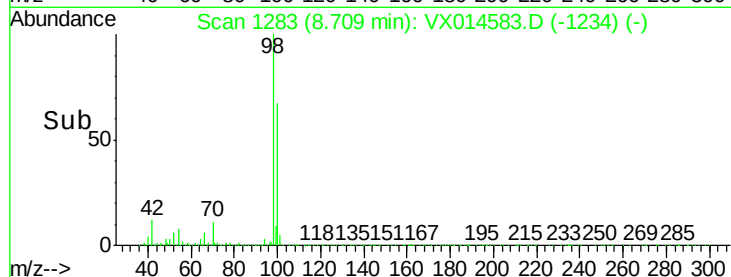
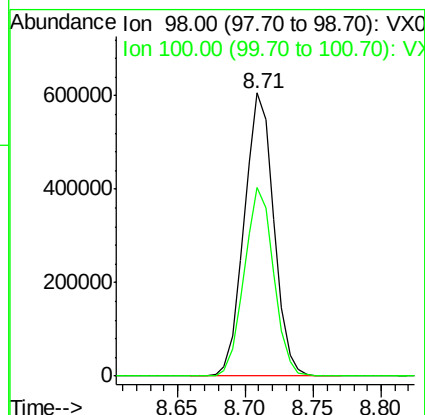
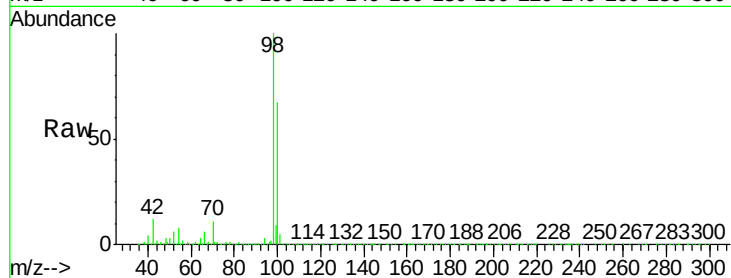
PB126026TB

Tgt Ion: 98 Resp: 921281

Ion Ratio Lower Upper

98 100

100 66.2 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 16.994 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014583.D

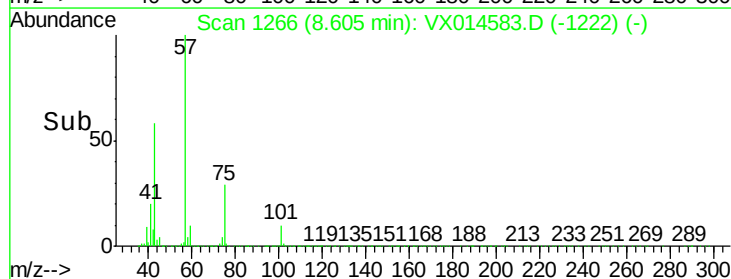
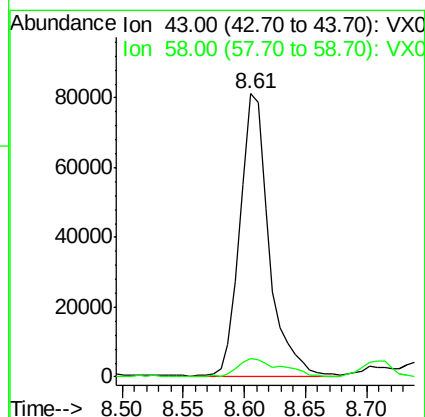
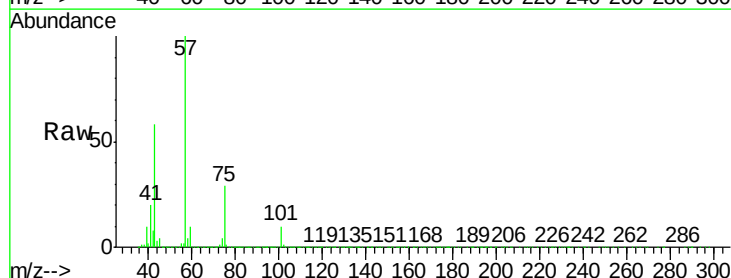
Acq: 13 Jan 2020 13:48

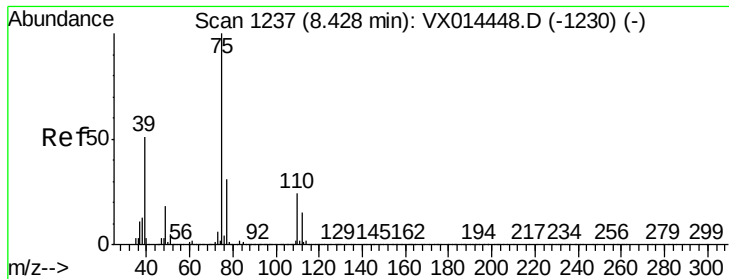
Tgt Ion: 43 Resp: 132307

Ion Ratio Lower Upper

43 100

58 9.5 32.4 48.6#





#54

cis-1,3-Dichloropropene

Concen: 7.134 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX014583.D

Acq: 13 Jan 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

PB126026TB

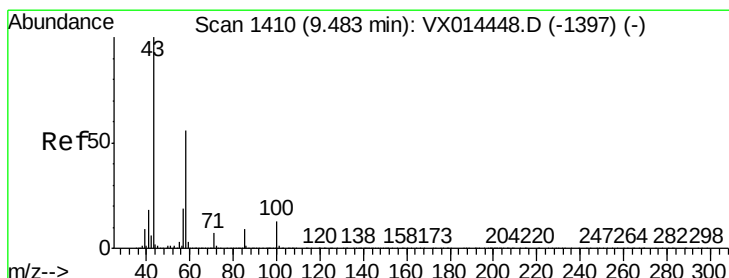
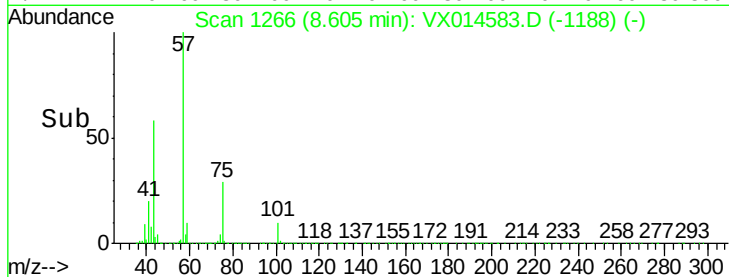
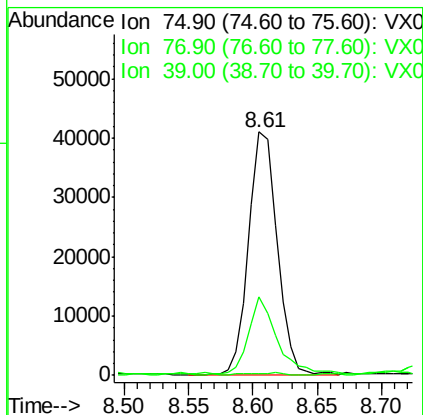
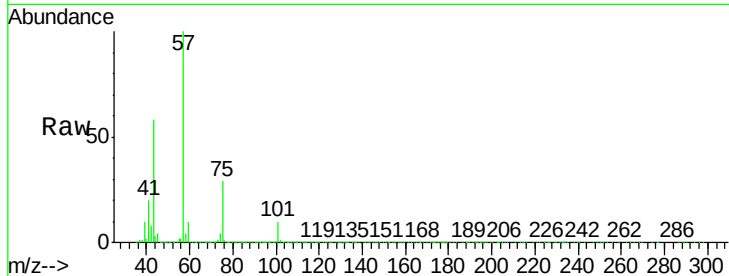
Tgt Ion: 75 Resp: 62780

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 31.7 40.7 61.1#



#59

2-Hexanone

Concen: 22.479 ug/l

RT: 9.43 min Scan# 1402

Delta R.T. -0.05 min

Lab File: VX014583.D

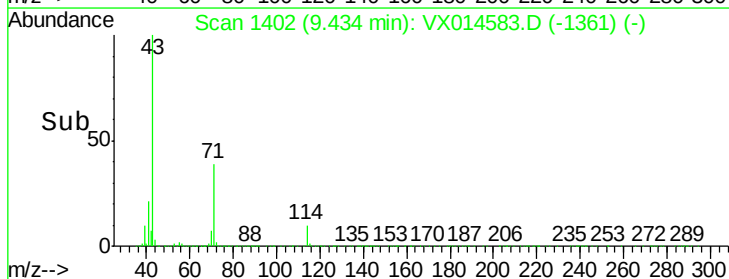
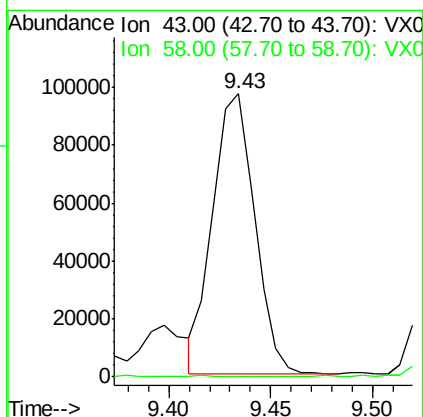
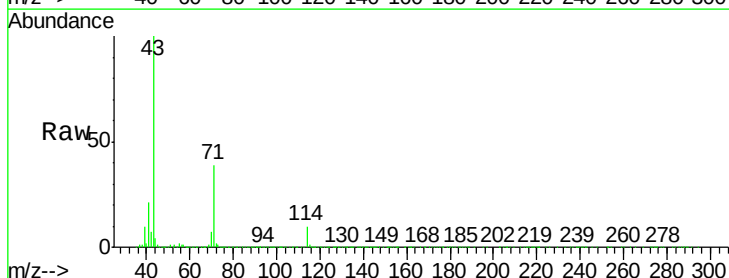
Acq: 13 Jan 2020 13:48

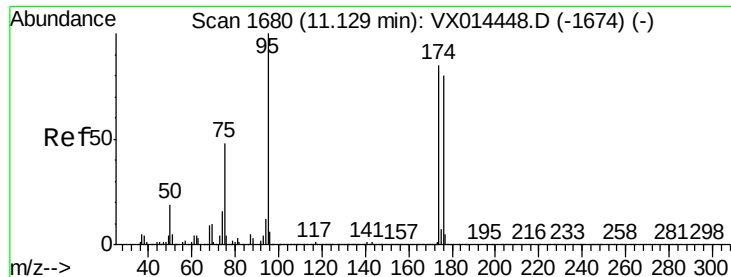
Tgt Ion: 43 Resp: 138476

Ion Ratio Lower Upper

43 100

58 0.0 27.9 83.7#





#62

4-Bromofluorobenzene

Concen: 47.434 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014583.D

Acq: 13 Jan 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

PB126026TB

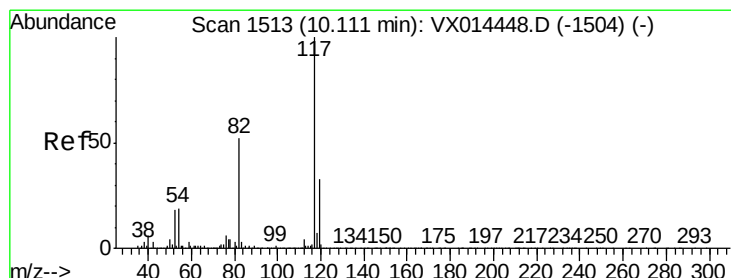
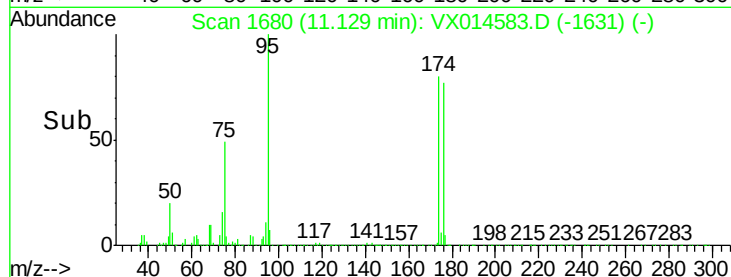
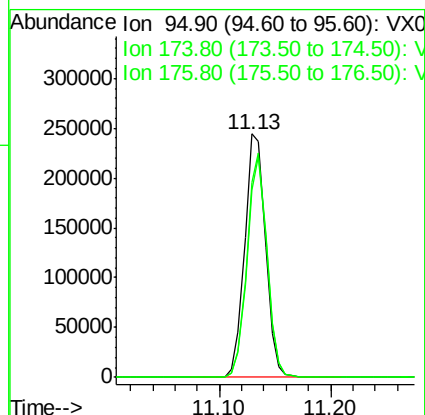
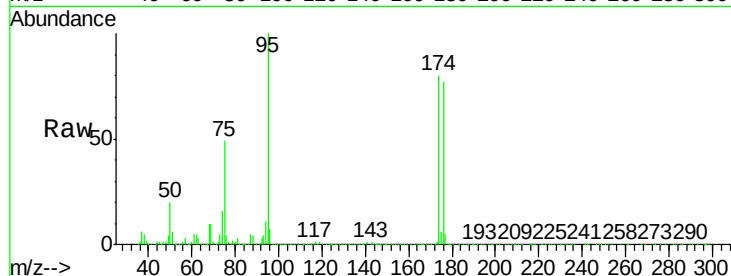
Tgt Ion: 95 Resp: 316724

Ion Ratio Lower Upper

95 100

174 88.6 0.0 180.8

176 86.2 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: VX014583.D

Acq: 13 Jan 2020 13:48

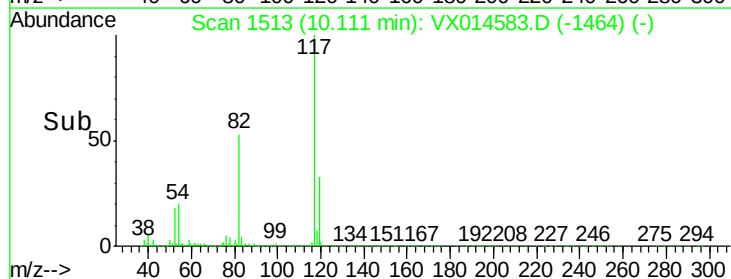
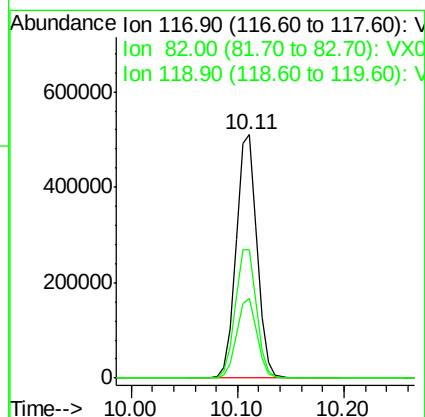
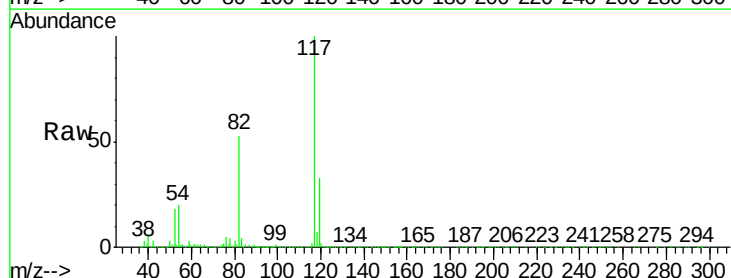
Tgt Ion: 117 Resp: 700315

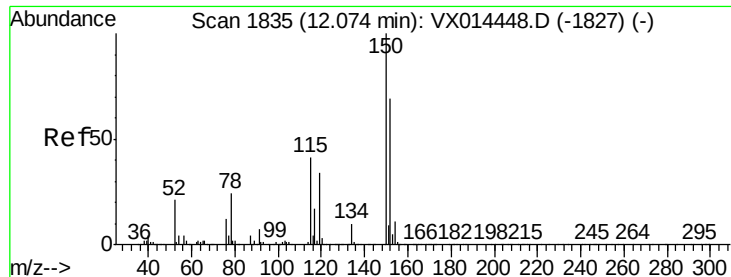
Ion Ratio Lower Upper

117 100

82 52.6 41.8 62.6

119 32.9 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: VX014583.D

Acq: 13 Jan 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

PB126026TB

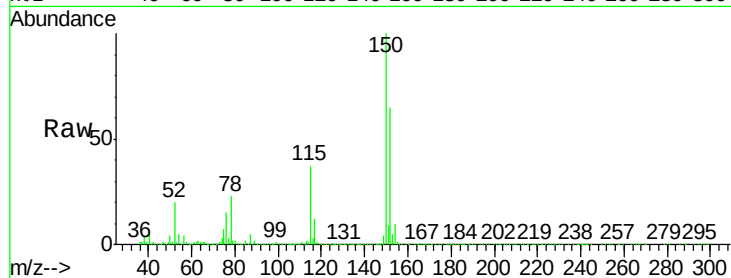
Tgt Ion: 152 Resp: 311665

Ion Ratio Lower Upper

152 100

115 56.2 39.5 118.3

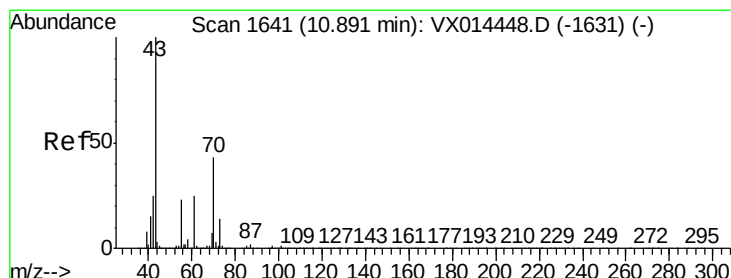
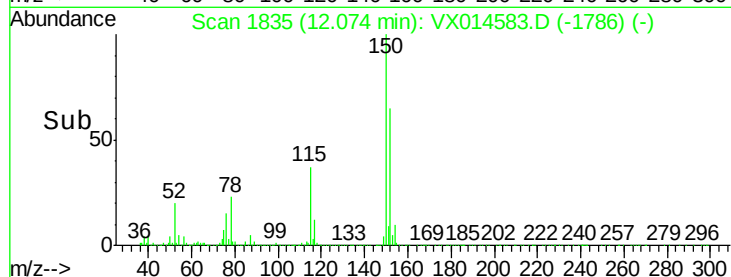
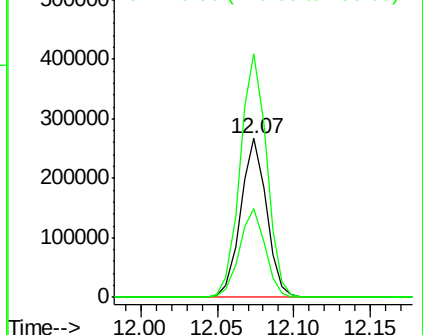
150 157.6 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.519 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX014583.D

Acq: 13 Jan 2020 13:48

Tgt Ion: 43 Resp: 5011

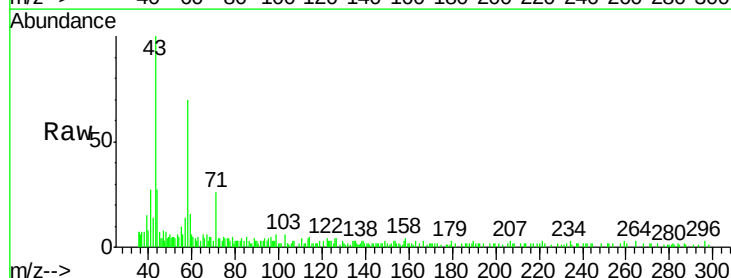
Ion Ratio Lower Upper

43 100

70 5.4 35.1 52.7#

55 8.4 19.3 28.9#

61 0.0 20.0 30.0#

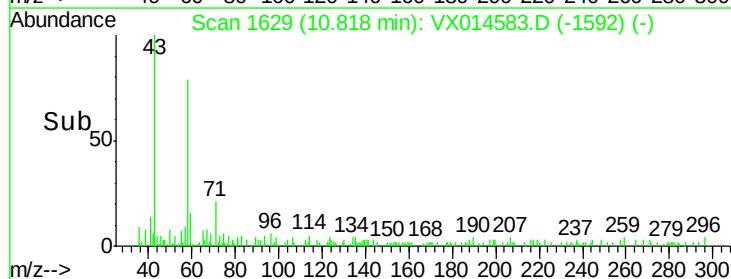
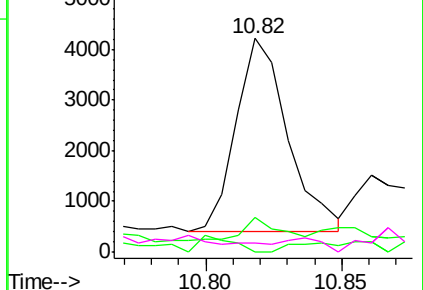


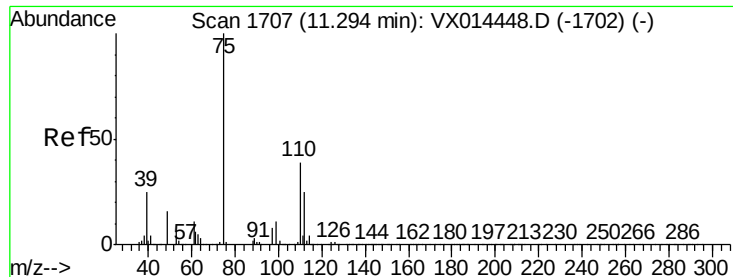
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 24.040 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014583.D

Acq: 13 Jan 2020 13:48

Instrument :

MSVOA_X

ClientSampled :

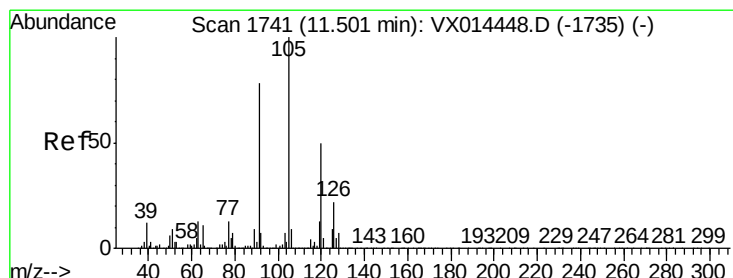
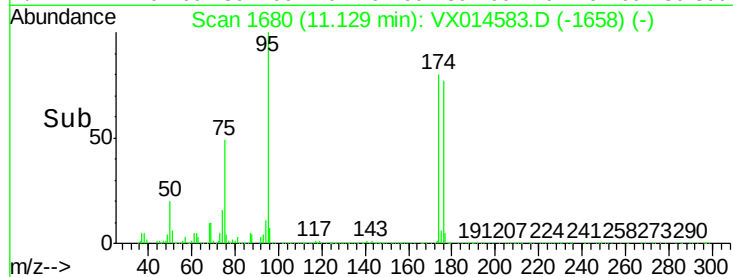
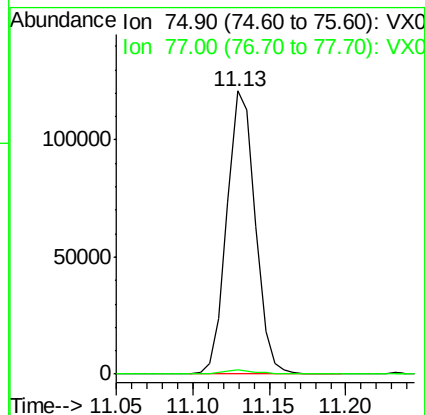
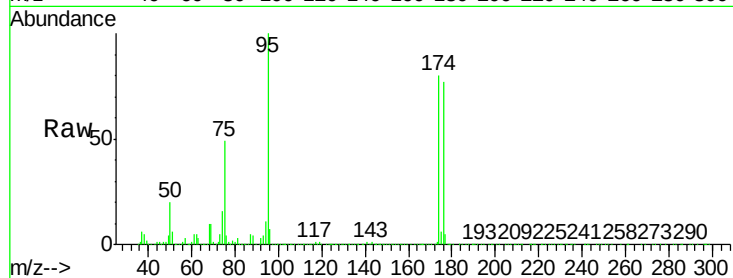
PB126026TB

Tgt Ion: 75 Resp: 155019

Ion Ratio Lower Upper

75 100

77 1.6 21.9 65.7#



#80

1,3,5-Trimethylbenzene

Concen: 0.786 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014583.D

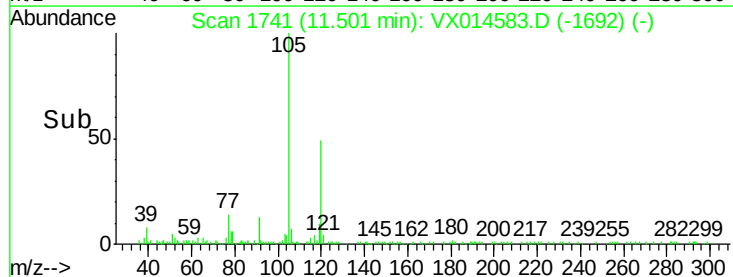
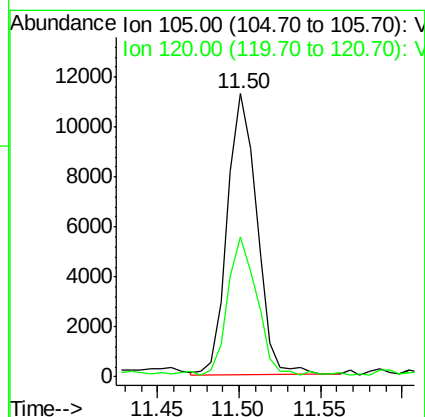
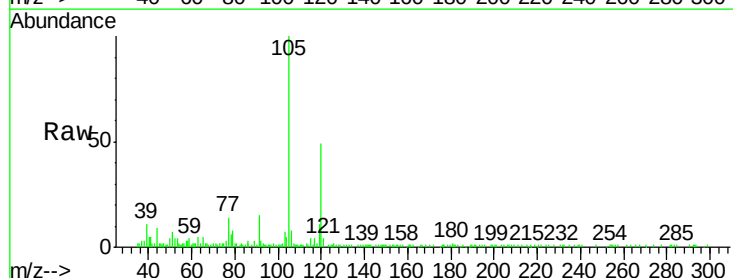
Acq: 13 Jan 2020 13:48

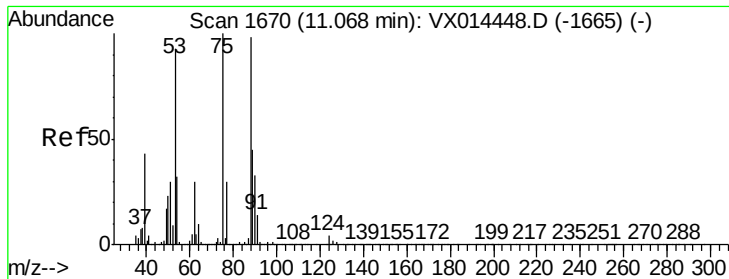
Tgt Ion: 105 Resp: 14280

Ion Ratio Lower Upper

105 100

120 48.7 25.2 75.6

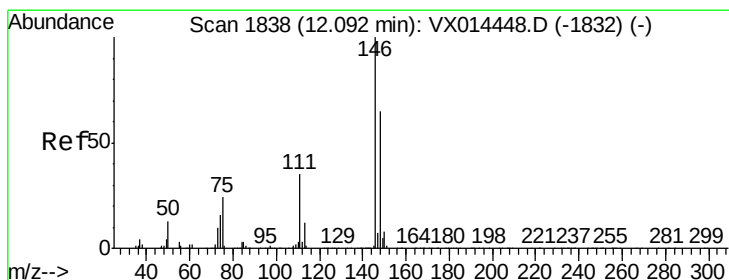
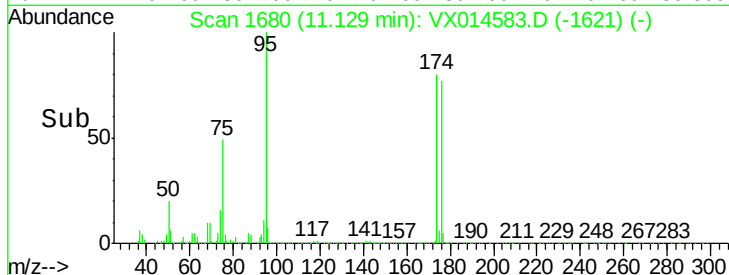
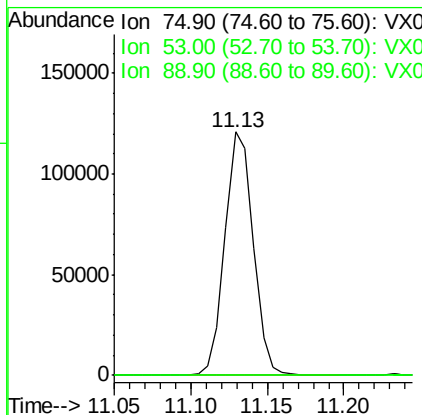
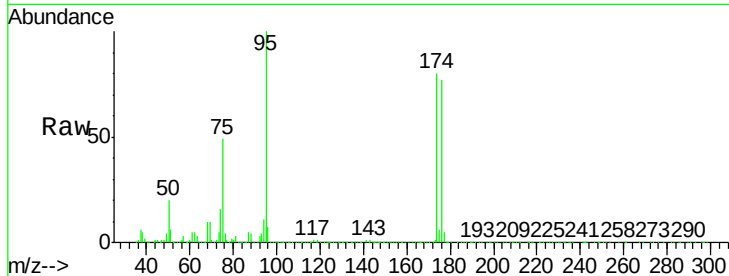




#81
trans-1,4-Dichloro-2-butene
Concen: 63.557 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014583.D
Acq: 13 Jan 2020 13:48

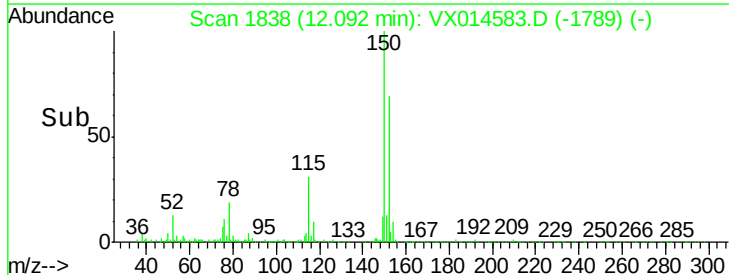
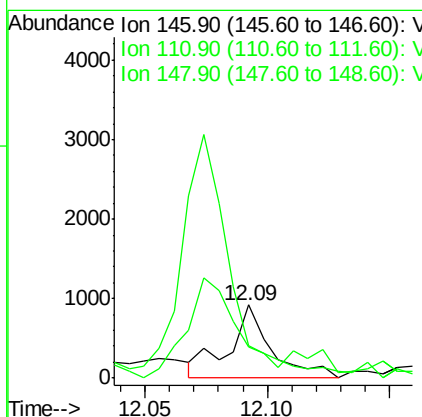
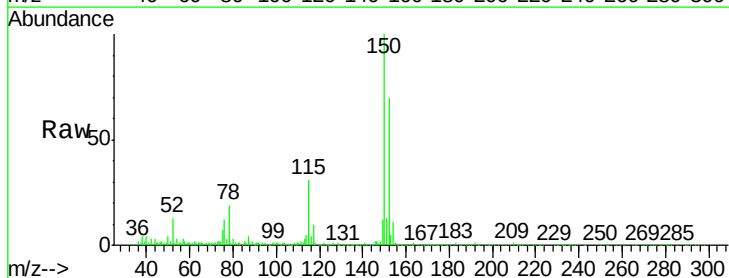
Instrument :
MSVOA_X
ClientSampleId :
PB126026TB

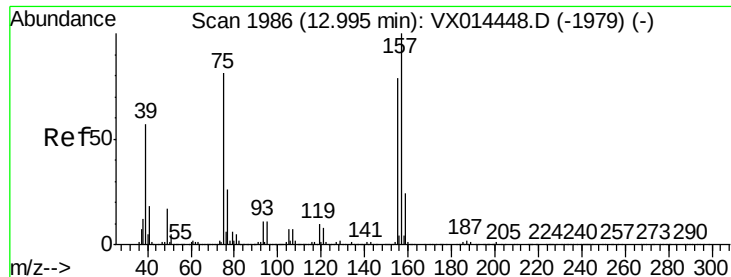
Tgt Ion: 75 Resp: 155019
Ion Ratio Lower Upper
75 100
53 0.1 74.8 112.2#
89 0.0 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX014583.D
Acq: 13 Jan 2020 13:48

Tgt Ion: 146 Resp: 1098
Ion Ratio Lower Upper
146 100
111 363.4 18.1 54.1#
148 189.7 32.1 96.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.300 ug/l

RT: 12.99 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VX014583.D

Acq: 13 Jan 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

PB126026TB

Tgt Ion: 75 Resp: 474

Ion Ratio Lower Upper

75 100

155 14.3 48.7 146.1#

157 51.5 62.0 185.9#

