

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX011320\
 Data File : VX014593.D
 Acq On : 13 Jan 2020 17:41
 Operator : JC/SP
 Sample : PB126026ZHE#19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB126026ZHE#19

Quant Time: Jan 14 13:08:03 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	492057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	761475	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	706276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	319991	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	276093	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
35) Dibromofluoromethane	5.49	113	230175	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	8.71	98	917782	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.13	95	315321	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	

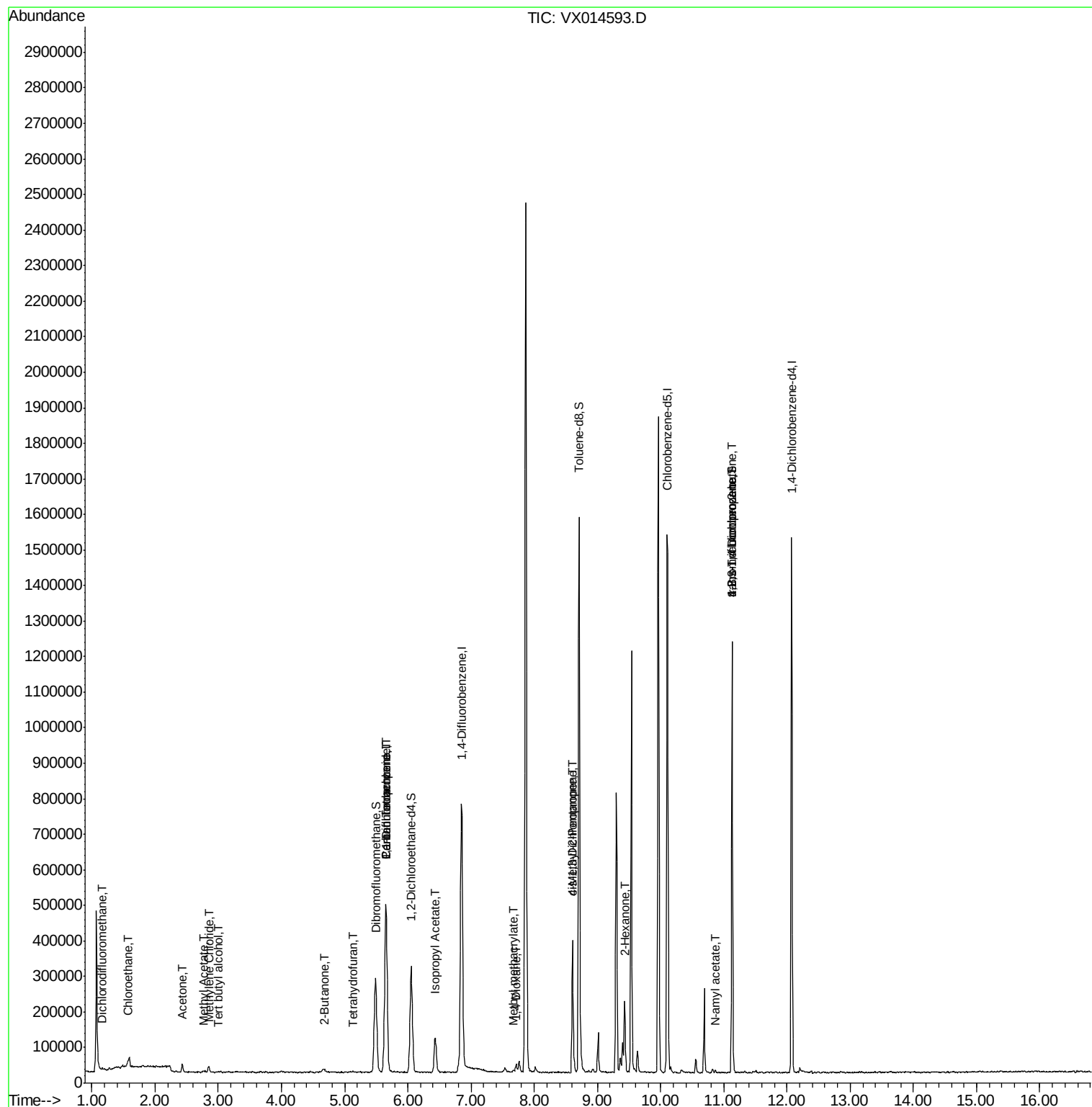
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.17	85	156	0.278	ug/l	73
6) Chloroethane	1.57	64	11431	1.759	ug/l #	77
11) Tert butyl alcohol	3.01	59	1997	1.741	ug/l #	83
16) Acetone	2.43	43	25005	4.983	ug/l	90
18) Methyl Acetate	2.76	43	7229	0.916	ug/l	95
20) Methylene Chloride	2.85	84	9759	1.766	ug/l	92
25) 2-Butanone	4.67	43	5949	1.450	ug/l	93
29) Tetrahydrofuran	5.13	42	2429	1.001	ug/l #	73
36) 1,1-Dichloropropene	5.65	75	33877	4.731	ug/l #	50
38) Carbon Tetrachloride	5.65	117	41943	6.365	ug/l #	17
43) Isopropyl Acetate	6.43	43	130580	10.392	ug/l	99
48) Methyl methacrylate	7.67	41	6781	1.127	ug/l #	18
49) 1,4-Dioxane	7.73	88	293	2.298	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	132483	17.302	ug/l #	48
54) cis-1,3-Dichloropropene	8.61	75	60352	6.973	ug/l #	56
59) 2-Hexanone	9.43	43	161834	26.712	ug/l #	23
74) N-amyl acetate	10.86	43	2169	0.219	ug/l #	59
76) 1,2,3-Trichloropropane	11.13	75	154379	23.318	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	154379	61.648	ug/l #	12
88) 1,4-Dichlorobenzene	12.03	146	653	Below Cal		96
93) 1,2,4-Trichlorobenzene	13.64	180	342	Below Cal #		39
96) 1,2,3-Trichlorobenzene	14.02	180	345	Below Cal		80

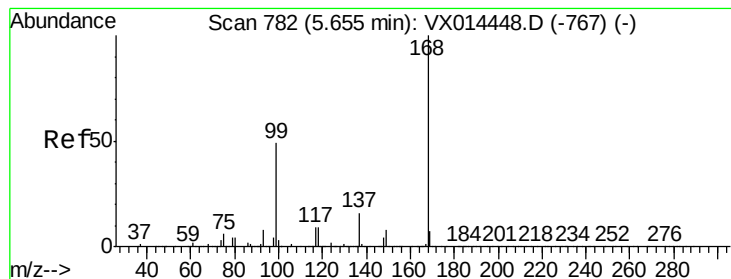
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX011320\
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ClientSampleId :
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Quant Time: Jan 14 13:08:03 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: VX014593.D

Acq: 13 Jan 2020 17:41

Instrument :

MSVOA_X

ClientSampleId :

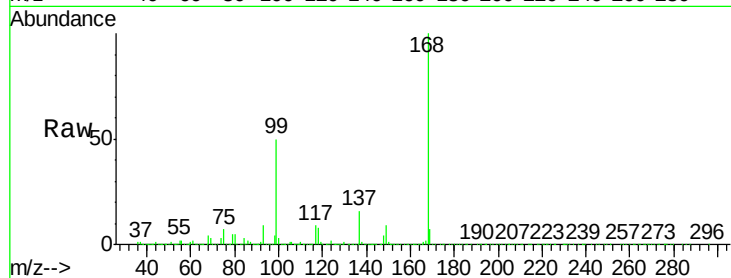
PB126026ZHE#19

Tgt Ion:168 Resp: 492057

Ion Ratio Lower Upper

168 100

99 50.0 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

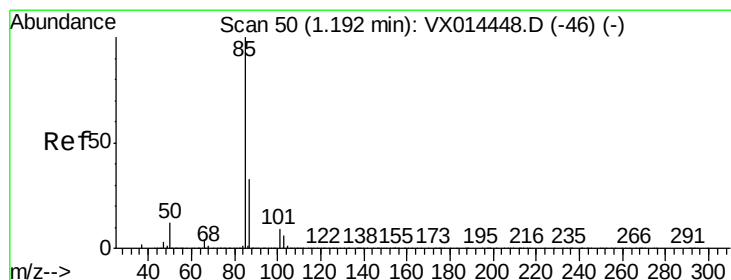
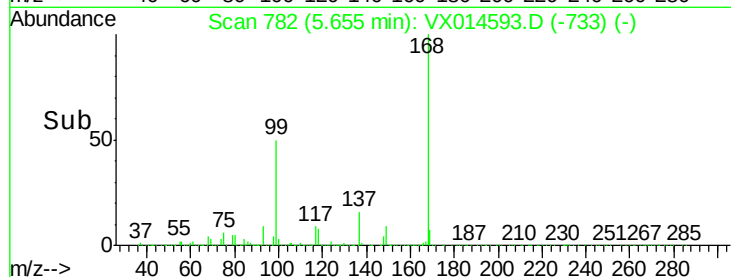
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.278 ug/l

RT: 1.17 min Scan# 47

Delta R.T. -0.02 min

Lab File: VX014593.D

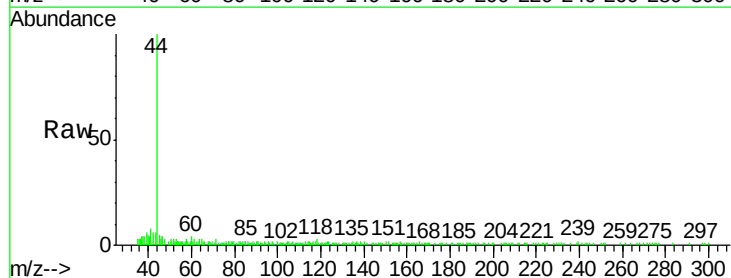
Acq: 13 Jan 2020 17:41

Tgt Ion: 85 Resp: 156

Ion Ratio Lower Upper

85 100

87 18.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.17

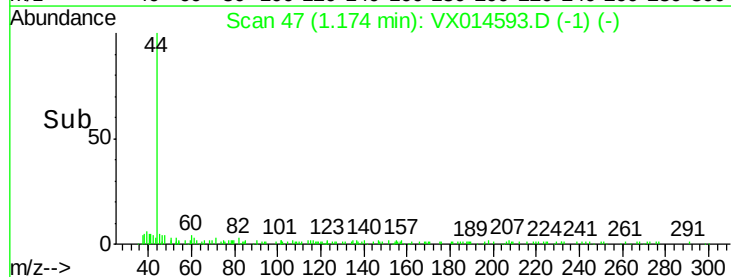
300

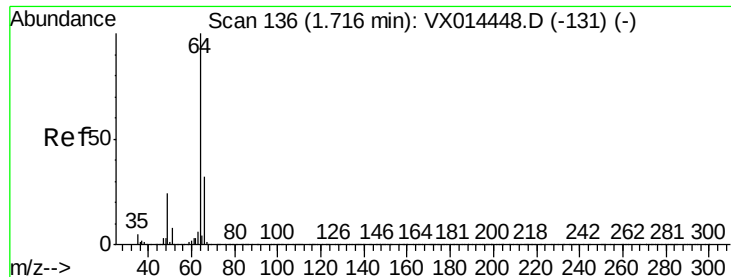
200

100

0

Time-->





#6

Chloroethane

Concen: 1.759 ug/l

RT: 1.57 min Scan# 112

Delta R.T. -0.15 min

Lab File: VX014593.D

Acq: 13 Jan 2020 17:41

Instrument :

MSVOA_X

ClientSampleId :

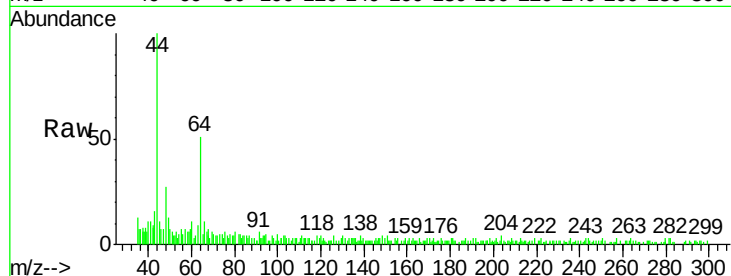
PB126026ZHE#19

Tgt Ion: 64 Resp: 11431

Ion Ratio Lower Upper

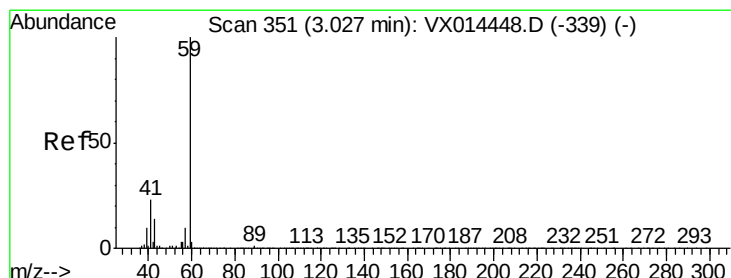
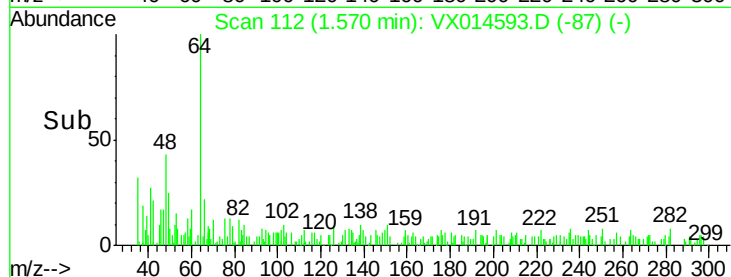
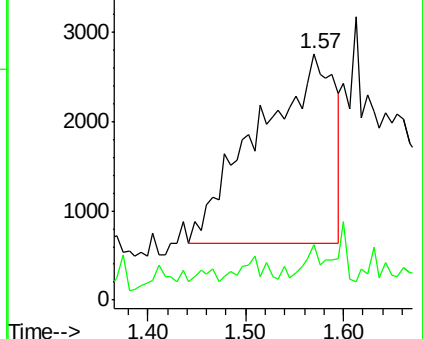
64 100

66 19.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 1.741 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX014593.D

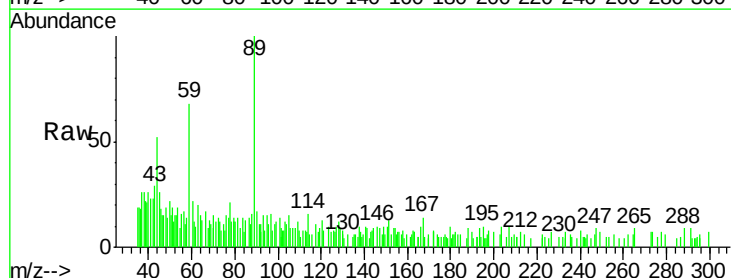
Acq: 13 Jan 2020 17:41

Tgt Ion: 59 Resp: 1997

Ion Ratio Lower Upper

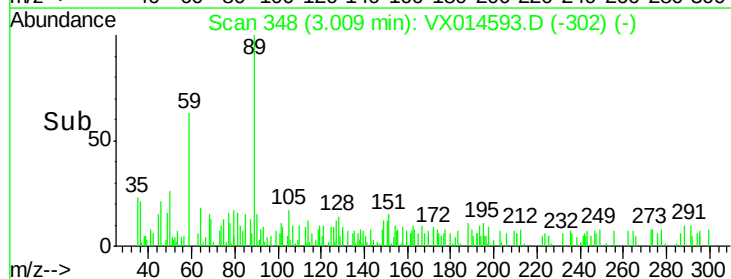
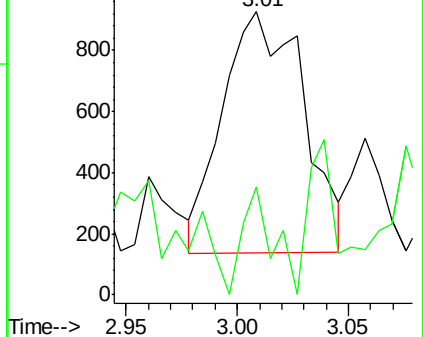
59 100

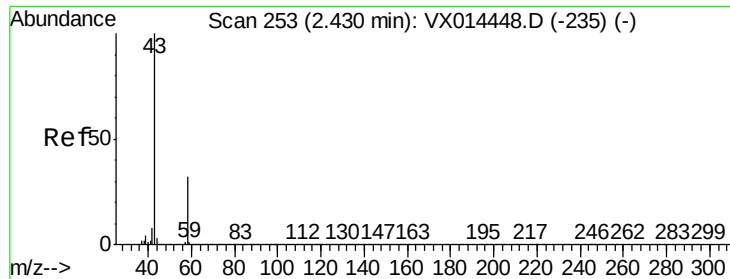
57 16.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 4.983 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014593.D

Acq: 13 Jan 2020 17:41

Instrument :

MSVOA_X

ClientSampleId :

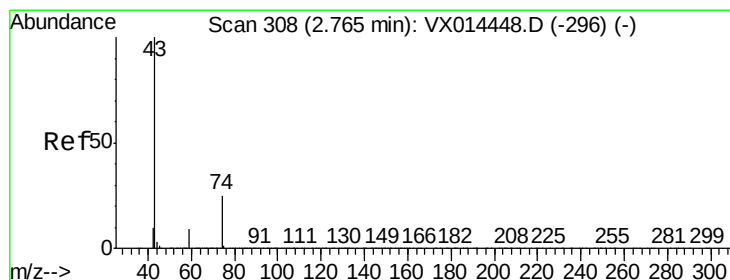
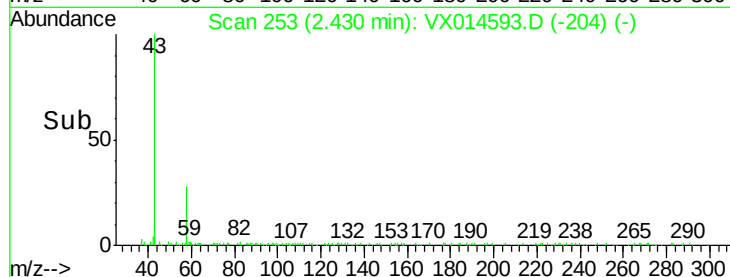
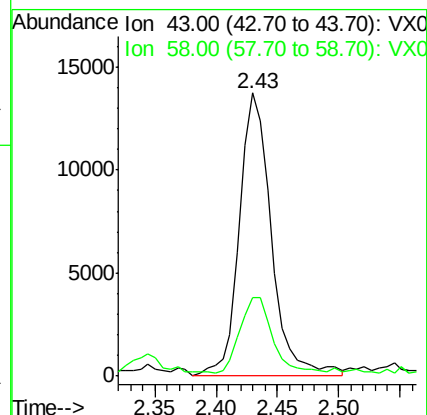
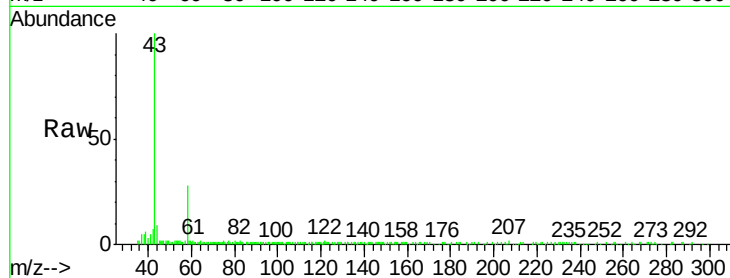
PB126026ZHE#19

Tgt Ion: 43 Resp: 25005

Ion Ratio Lower Upper

43 100

58 26.0 25.4 38.0



#18

Methyl Acetate

Concen: 0.916 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014593.D

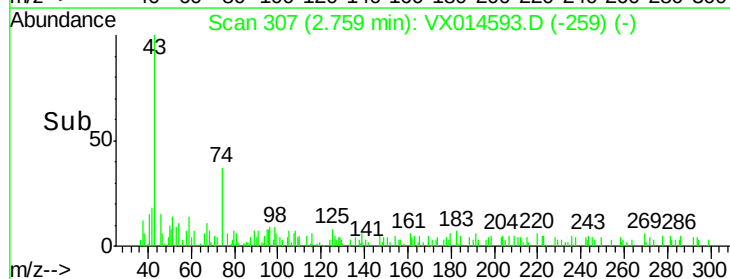
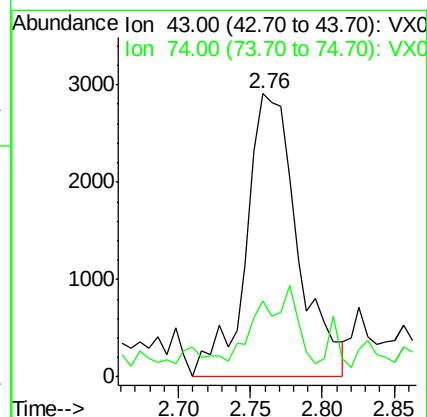
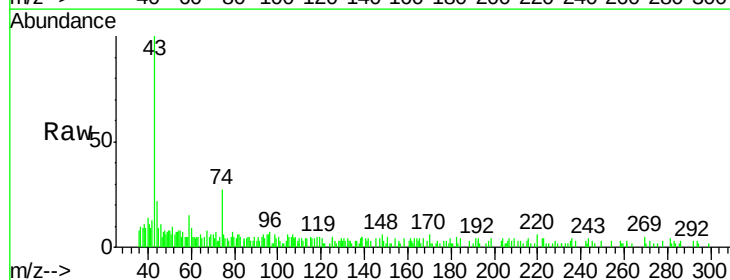
Acq: 13 Jan 2020 17:41

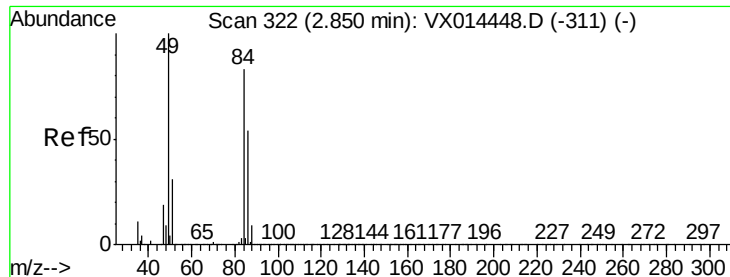
Tgt Ion: 43 Resp: 7229

Ion Ratio Lower Upper

43 100

74 26.6 19.4 29.2

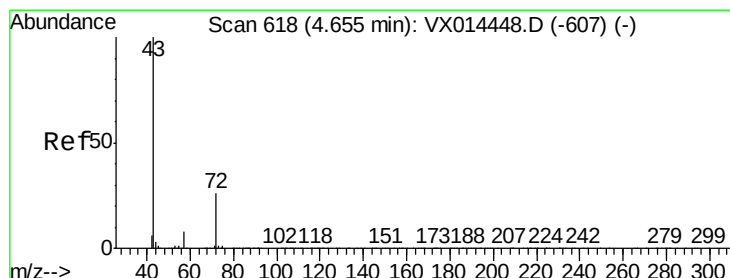
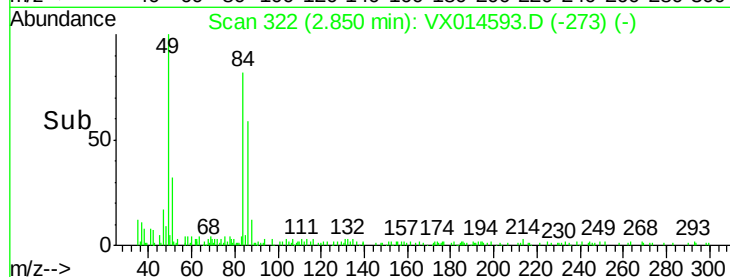
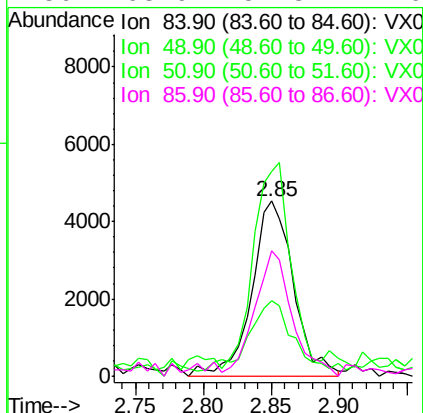
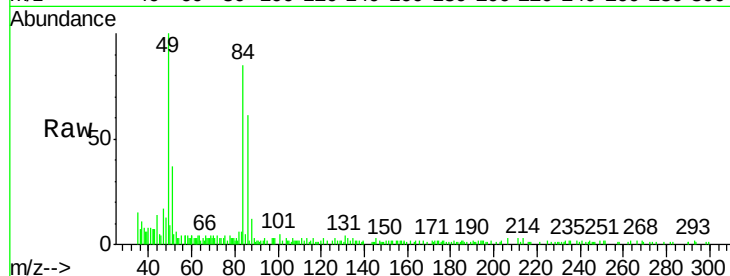




#20
Methylene Chloride
Concen: 1.766 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014593.D
Acq: 13 Jan 2020 17:41

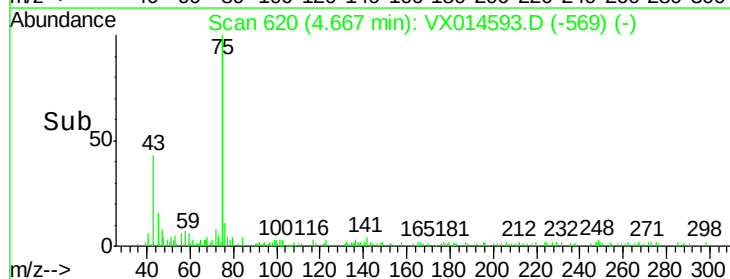
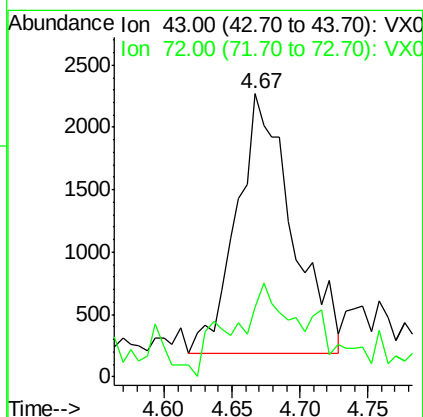
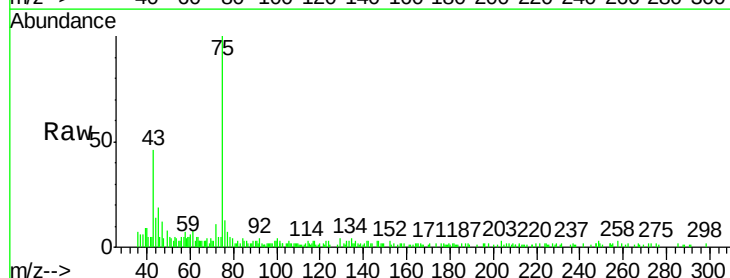
Instrument :
MSVOA_X
ClientSampleId :
PB126026ZHE#19

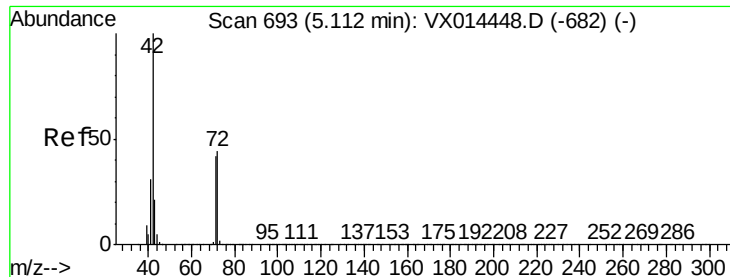
Tgt Ion:	84	Resp:	9759
Ion	Ratio	Lower	Upper
84	100		
49	107.8	95.8	143.8
51	38.8	30.2	45.4
86	68.9	51.8	77.6



#25
2-Butanone
Concen: 1.450 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014593.D
Acq: 13 Jan 2020 17:41

Tgt Ion:	43	Resp:	5949
Ion	Ratio	Lower	Upper
43	100		
72	22.3	20.6	31.0





#29

Tetrahydrofuran

Concen: 1.001 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX014593.D

Acq: 13 Jan 2020 17:41

Instrument :

MSVOA_X

ClientSampleId :

PB126026ZHE#19

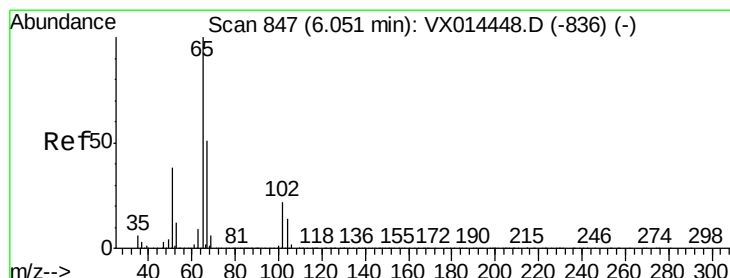
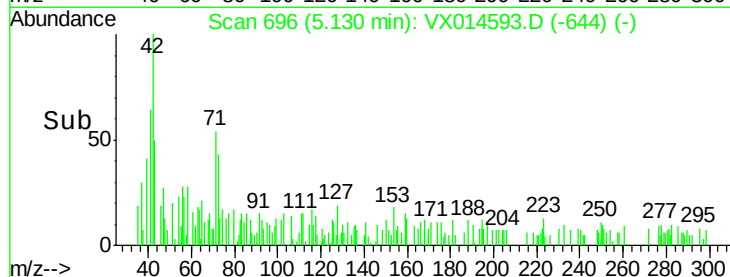
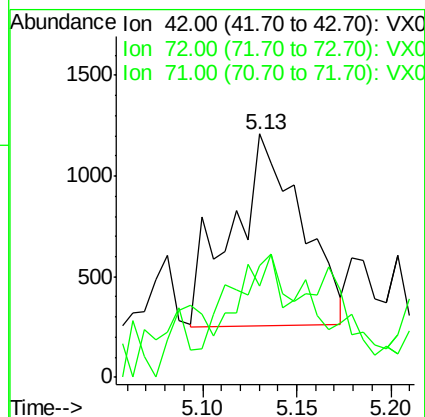
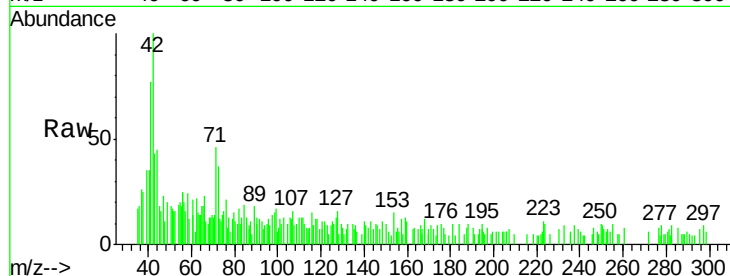
Tgt Ion: 42 Resp: 2429

Ion Ratio Lower Upper

42 100

72 24.2 36.2 54.4#

71 56.6 34.1 51.1#



#33

1,2-Dichloroethane-d4

Concen: 50.262 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014593.D

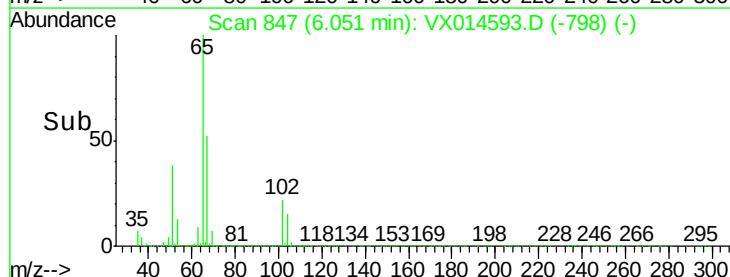
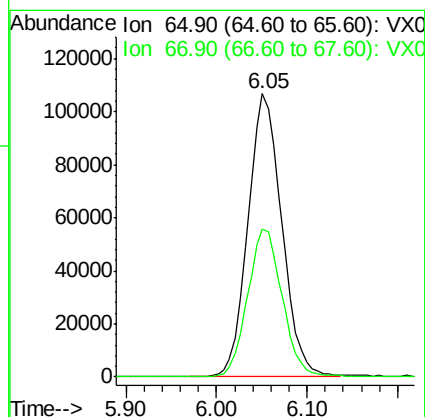
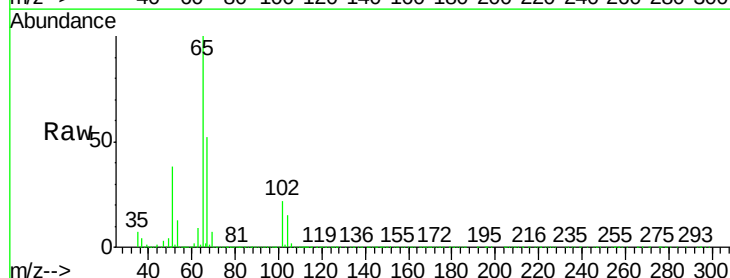
Acq: 13 Jan 2020 17:41

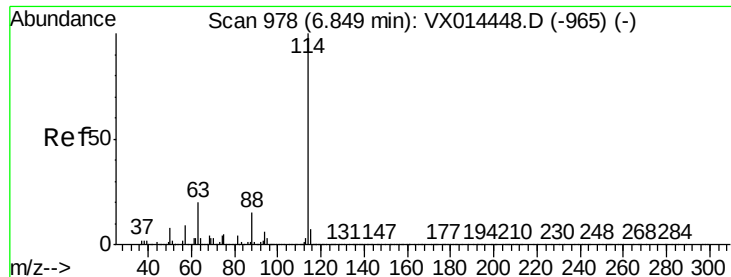
Tgt Ion: 65 Resp: 276093

Ion Ratio Lower Upper

65 100

67 52.7 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: VX014593.D

Acq: 13 Jan 2020 17:41

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ClientSampleId :

PB126026ZHE#19

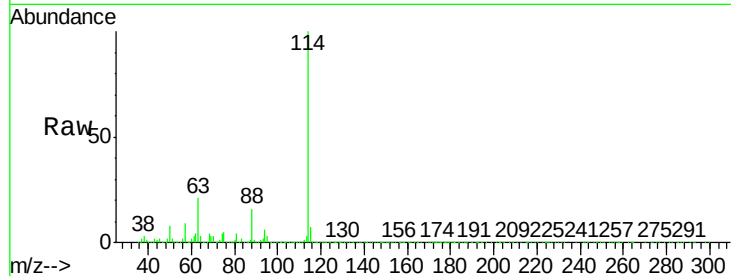
Tgt Ion:114 Resp: 761475

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.6

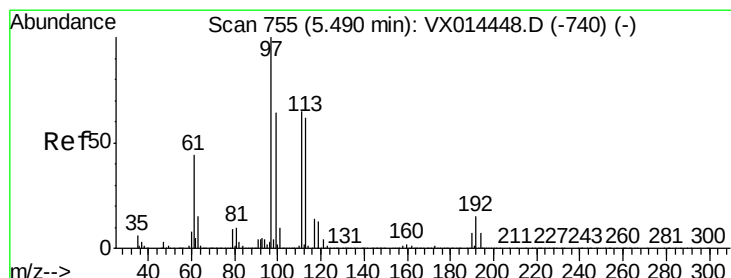
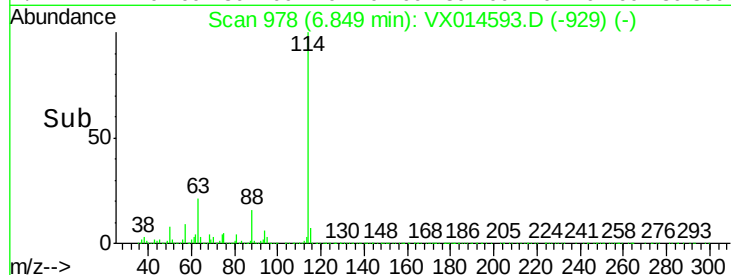
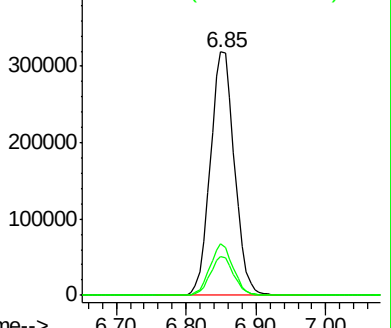
88 16.1 0.0 30.8



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: 49.934 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014593.D

Acq: 13 Jan 2020 17:41

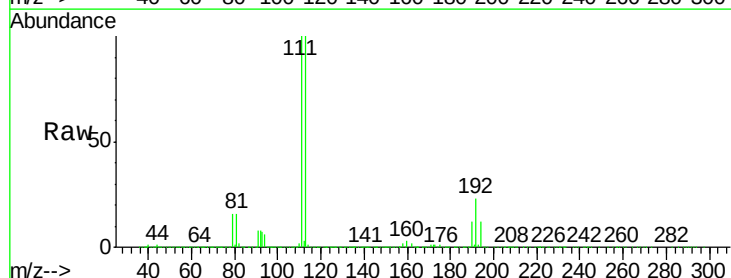
Tgt Ion:113 Resp: 230175

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

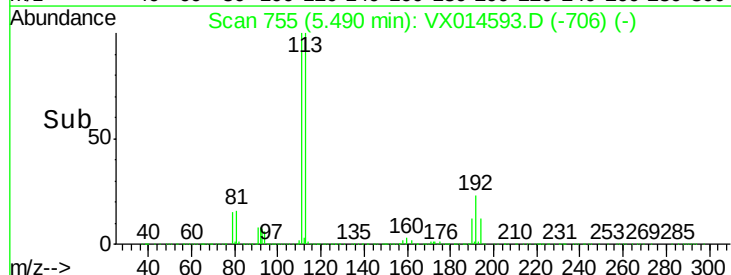
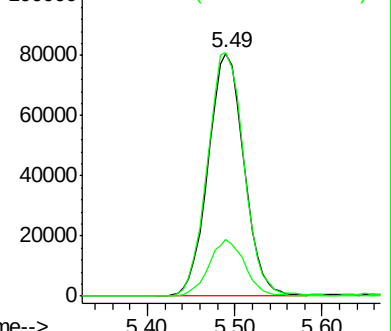
192 23.5 19.2 28.8

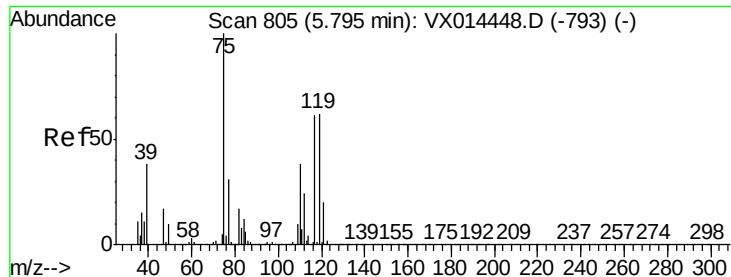


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.731 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014593.D

Acq: 13 Jan 2020 17:41

Instrument :

MSVOA_X

ClientSampleId :

PB126026ZHE#19

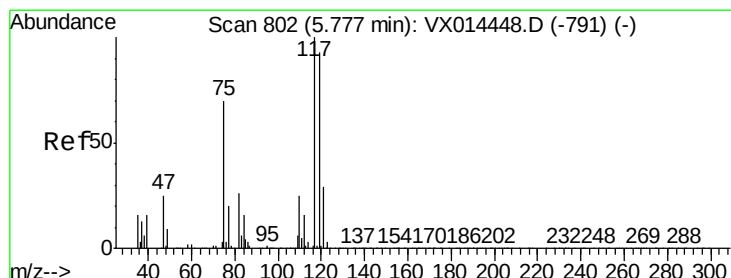
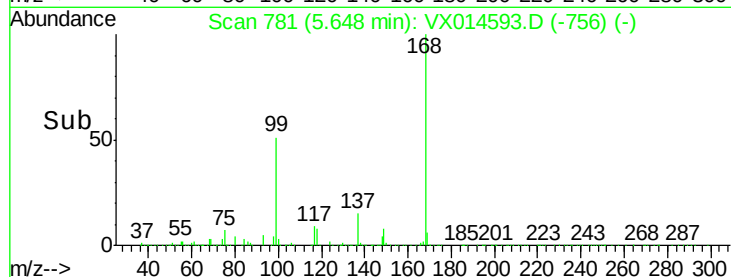
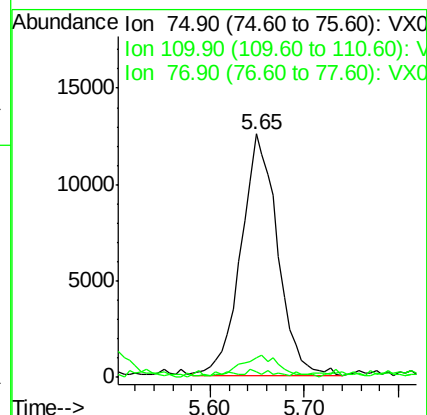
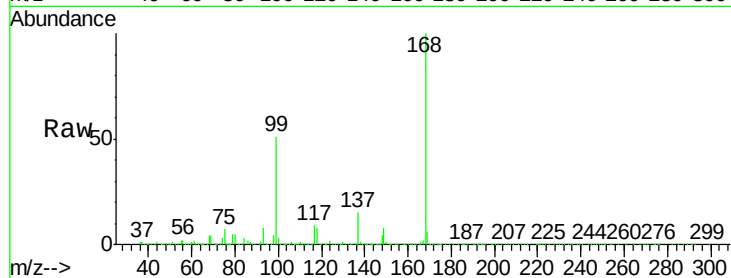
Tgt Ion: 75 Resp: 33877

Ion Ratio Lower Upper

75 100

110 10.3 18.6 55.8#

77 0.5 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.365 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014593.D

Acq: 13 Jan 2020 17:41

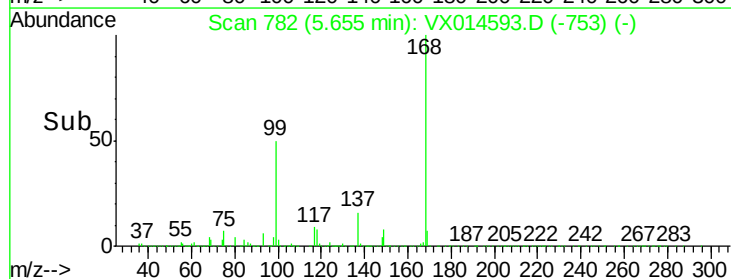
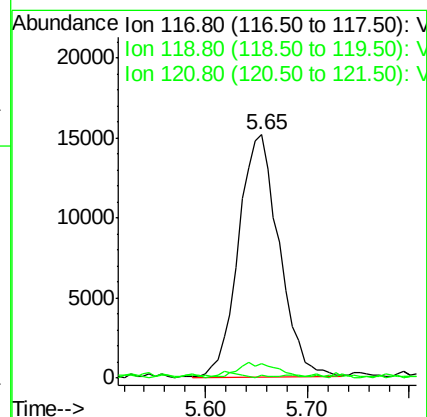
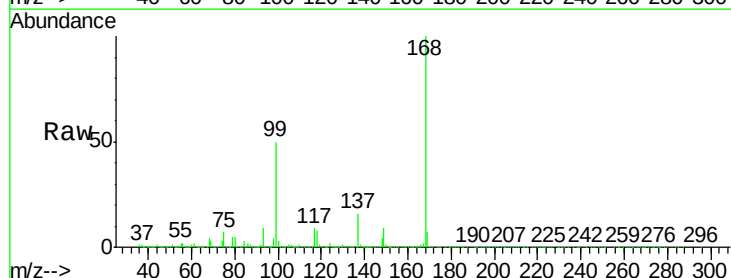
Tgt Ion: 117 Resp: 41943

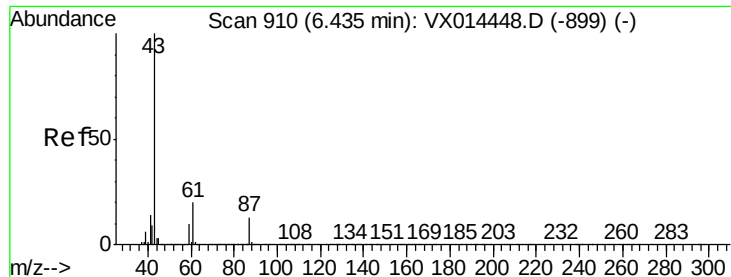
Ion Ratio Lower Upper

117 100

119 4.3 73.8 110.8#

121 0.4 23.4 35.0#

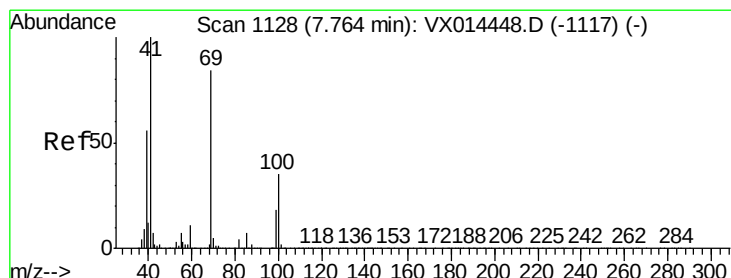
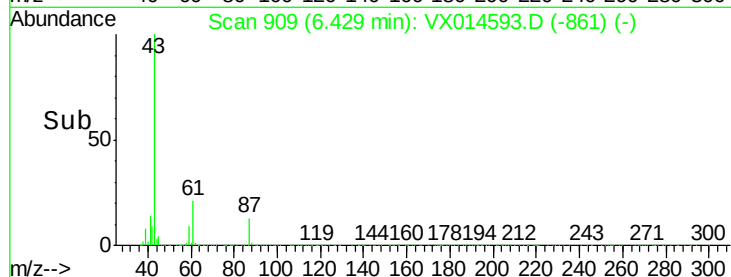
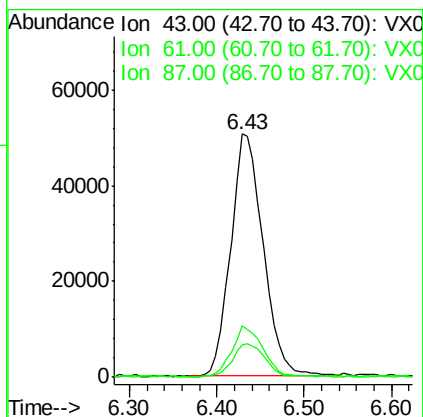
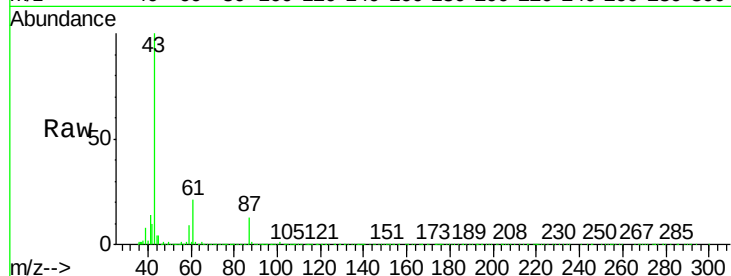




#43
Isopropyl Acetate
Concen: 10.392 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014593.D
Acq: 13 Jan 2020 17:41

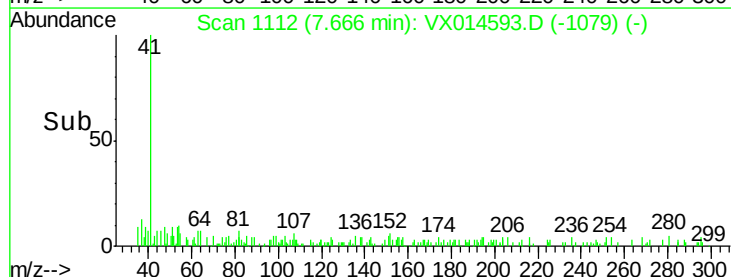
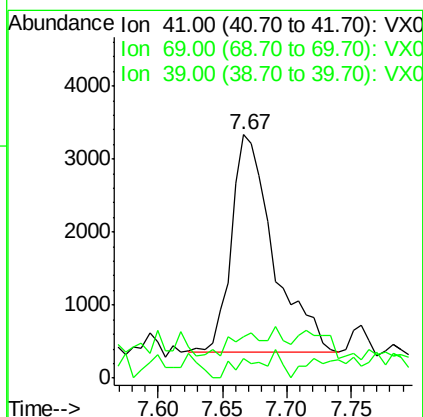
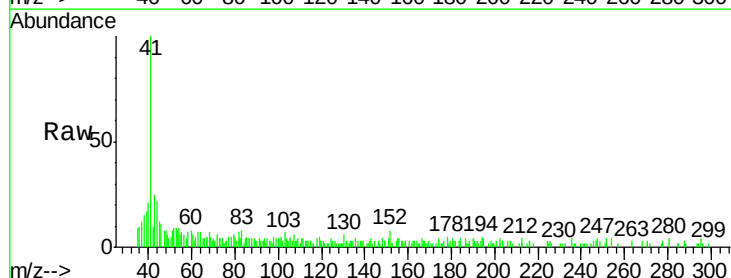
Instrument :
MSVOA_X
ClientSampleId :
PB126026ZHE#19

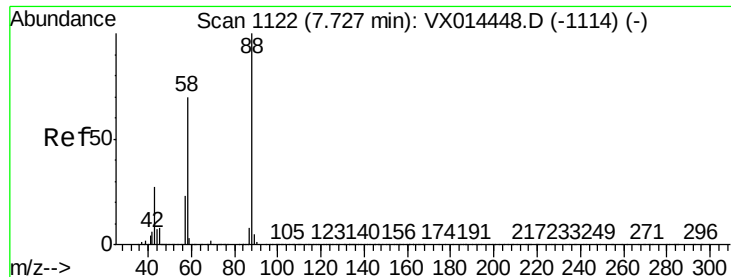
Tgt Ion: 43 Resp: 130580
Ion Ratio Lower Upper
43 100
61 20.0 16.6 24.8
87 13.6 10.8 16.2



#48
Methyl methacrylate
Concen: 1.127 ug/l
RT: 7.67 min Scan# 1112
Delta R.T. -0.10 min
Lab File: VX014593.D
Acq: 13 Jan 2020 17:41

Tgt Ion: 41 Resp: 6781
Ion Ratio Lower Upper
41 100
69 4.4 65.5 98.3#
39 0.0 43.9 65.9#





#49

1,4-Dioxane

Concen: 2.298 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VX014593.D

Acq: 13 Jan 2020 17:41

Instrument :

MSVOA_X

ClientSampleId :

PB126026ZHE#19

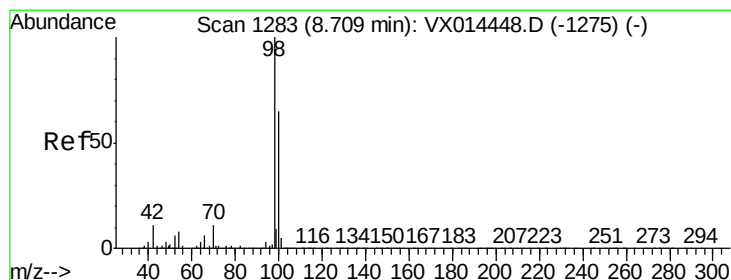
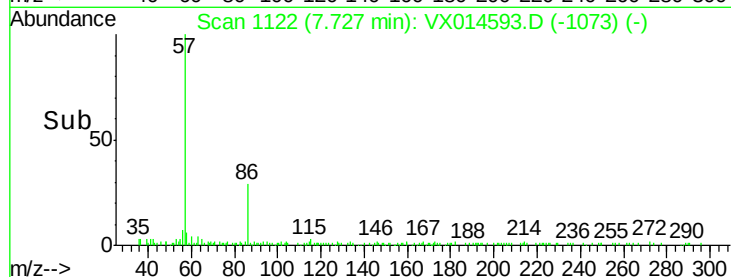
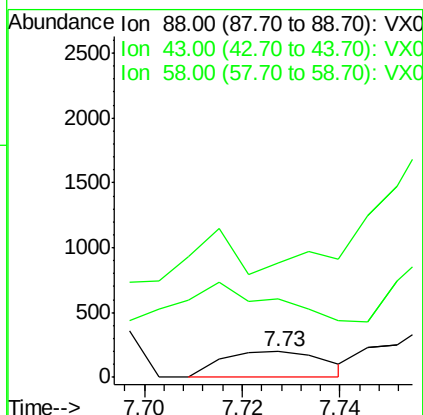
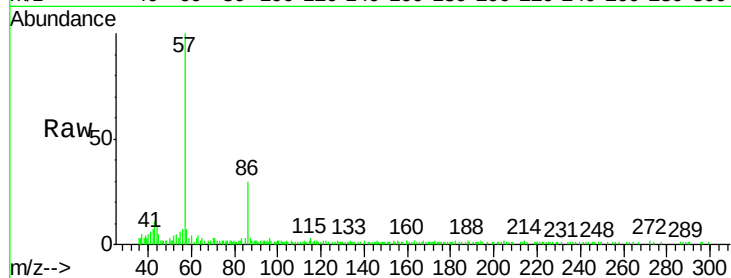
Tgt Ion: 88 Resp: 293

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 706.8 57.1 85.7#



#50

Toluene-d8

Concen: 51.307 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014593.D

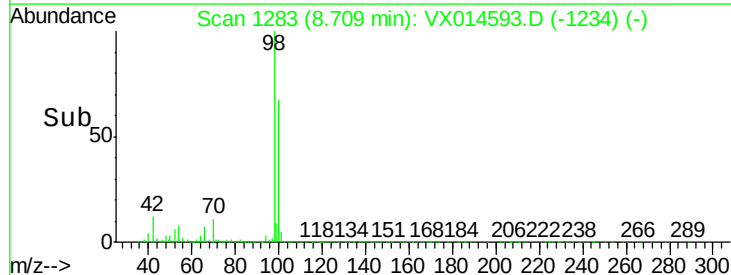
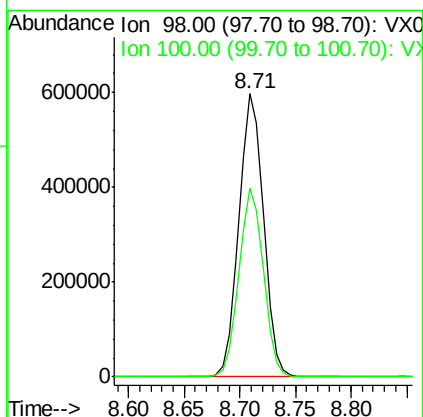
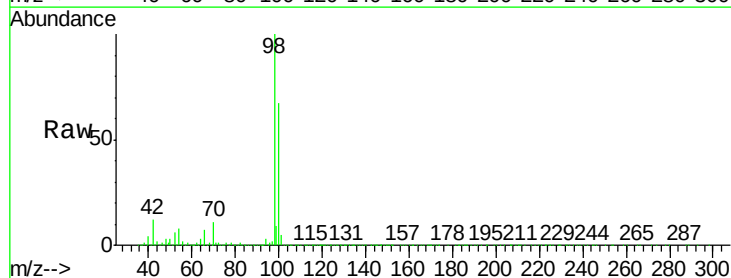
Acq: 13 Jan 2020 17:41

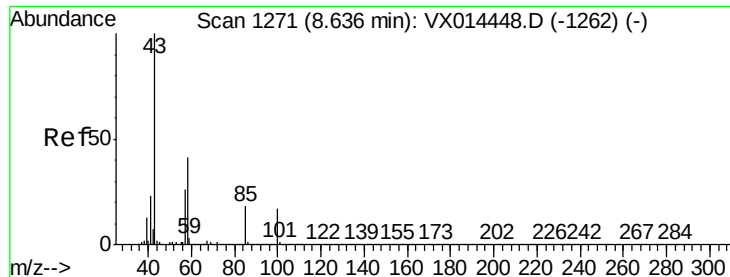
Tgt Ion: 98 Resp: 917782

Ion Ratio Lower Upper

98 100

100 66.3 53.2 79.8

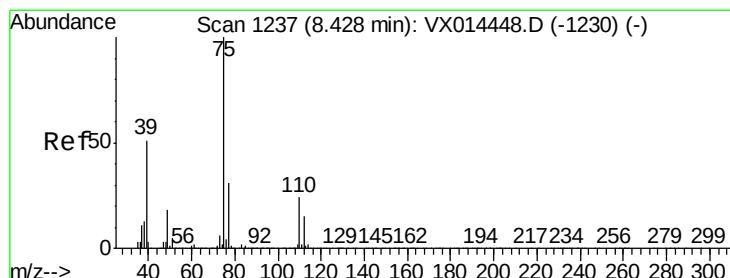
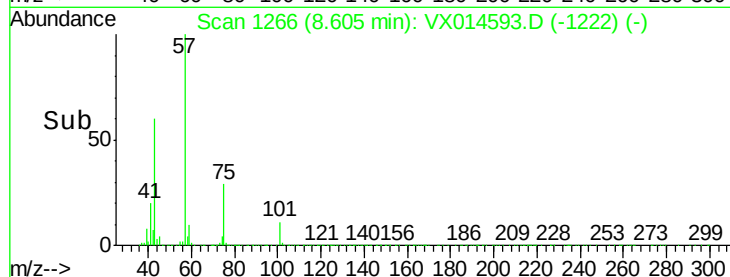
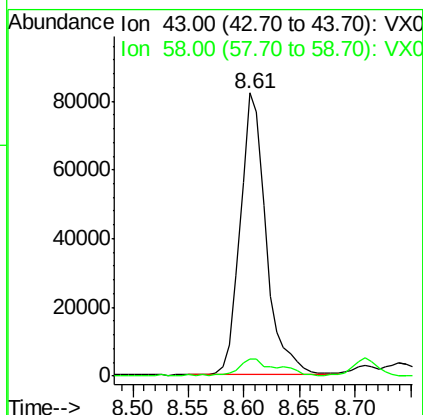
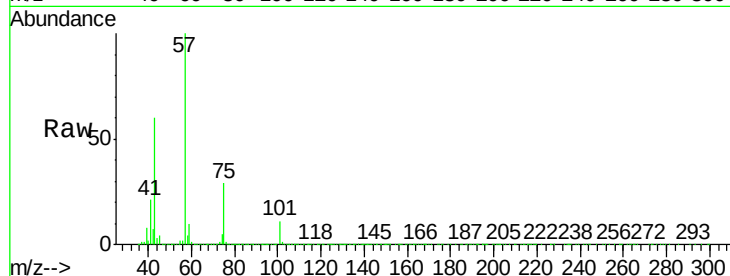




#51
 4-Methyl-2-Pentanone
 Concen: 17.302 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. -0.03 min
 Lab File: VX014593.D
 Acq: 13 Jan 2020 17:41

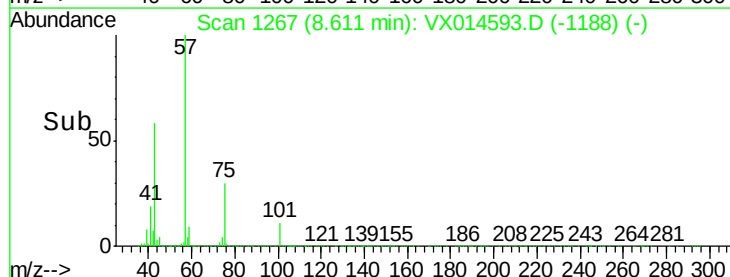
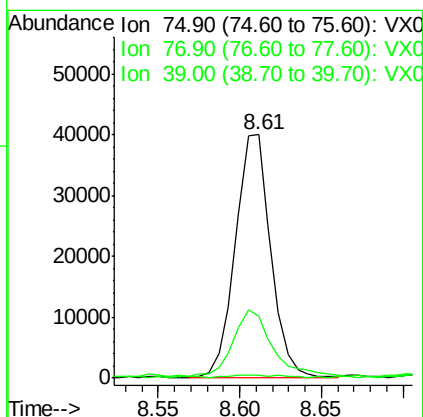
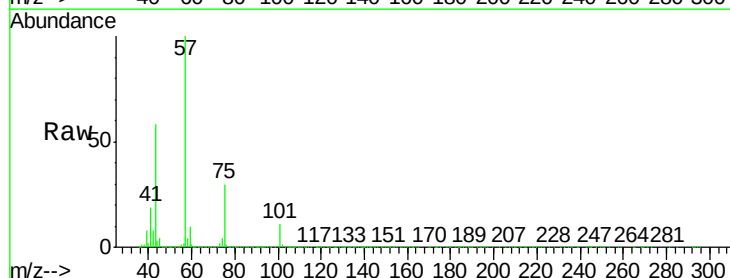
Instrument :
 MSVOA_X
 ClientSampleId :
 PB126026ZHE#19

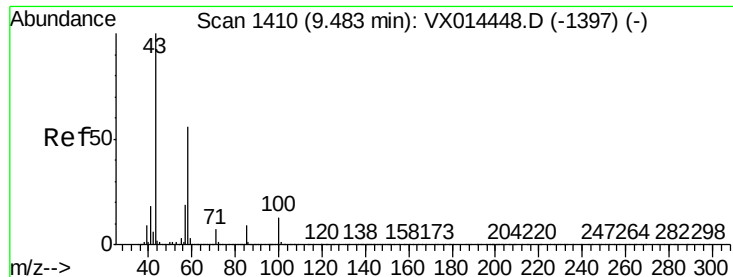
Tgt Ion: 43 Resp: 132483
 Ion Ratio Lower Upper
 43 100
 58 8.2 32.4 48.6#



#54
 cis-1,3-Dichloropropene
 Concen: 6.973 ug/l
 RT: 8.61 min Scan# 1267
 Delta R.T. 0.18 min
 Lab File: VX014593.D
 Acq: 13 Jan 2020 17:41

Tgt Ion: 75 Resp: 60352
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 25.1 40.7 61.1#

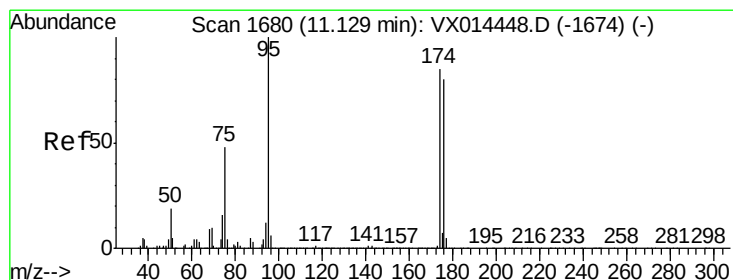
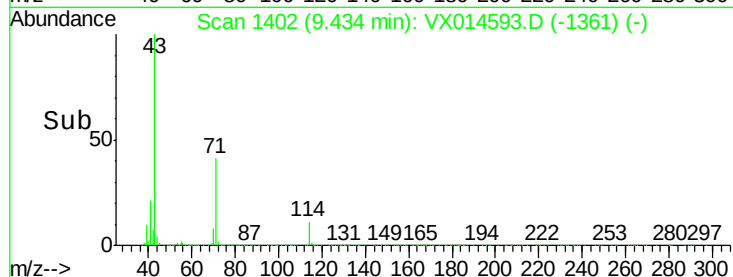
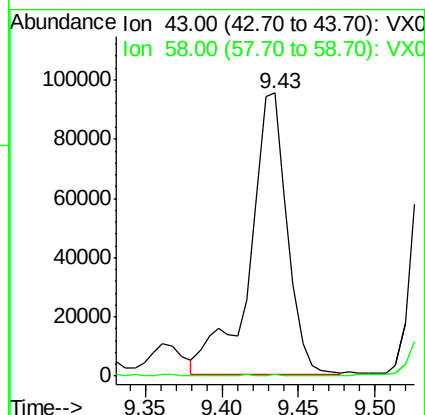
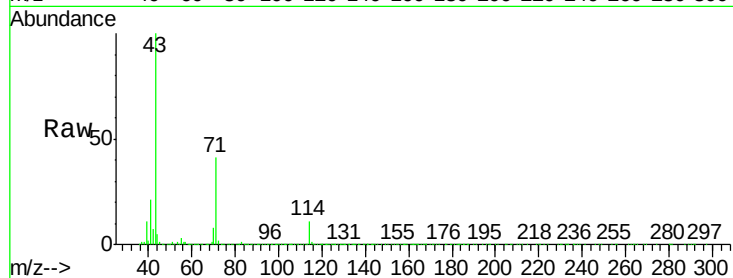




#59
2-Hexanone
Concen: 26.712 ug/l
RT: 9.43 min Scan# 1402
Delta R.T. -0.05 min
Lab File: VX014593.D
Acq: 13 Jan 2020 17:41

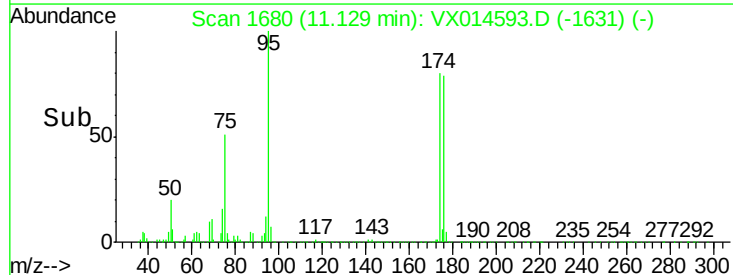
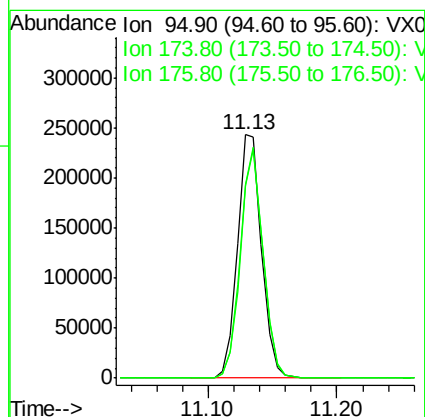
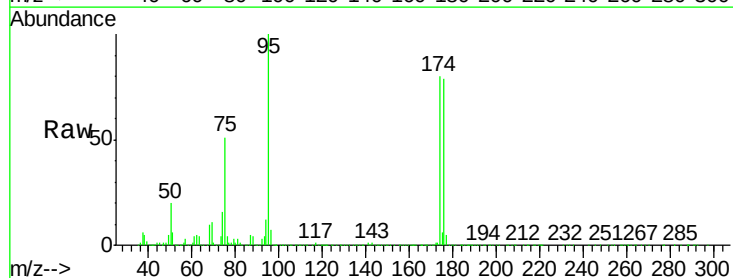
Instrument :
MSVOA_X
ClientSampleId :
PB126026ZHE#19

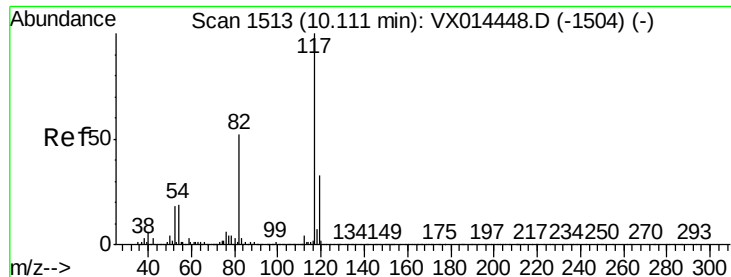
Tgt Ion: 43 Resp: 161834
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.7#



#62
4-Bromofluorobenzene
Concen: 48.017 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014593.D
Acq: 13 Jan 2020 17:41

Tgt Ion: 95 Resp: 315321
Ion Ratio Lower Upper
95 100
174 89.8 0.0 180.8
176 88.4 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: VX014593.D

Acq: 13 Jan 2020 17:41

Instrument :

MSVOA_X

ClientSampleId :

PB126026ZHE#19

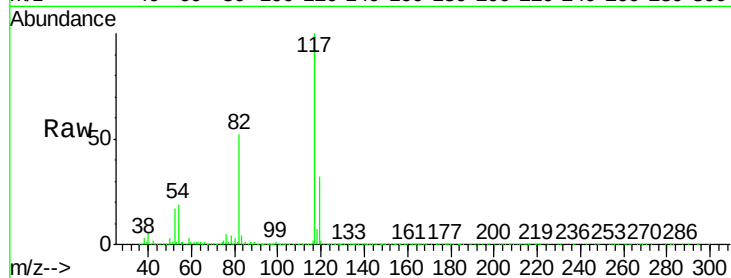
Tgt Ion:117 Resp: 706276

Ion Ratio Lower Upper

117 100

82 51.9 41.8 62.6

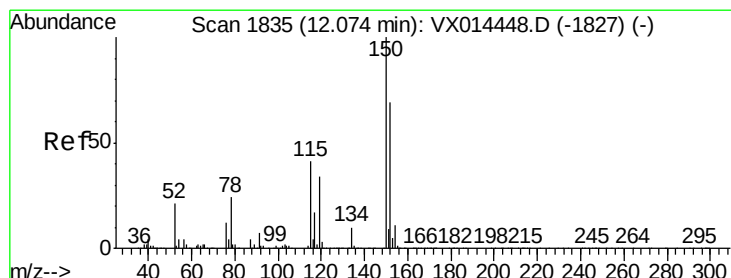
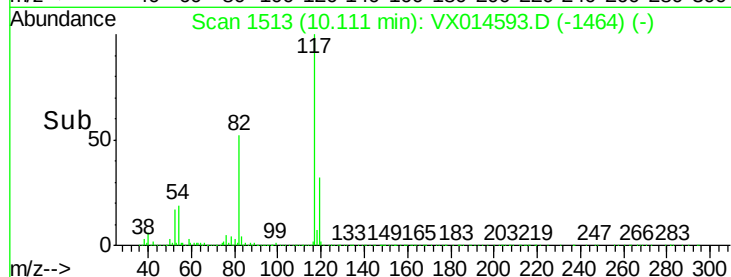
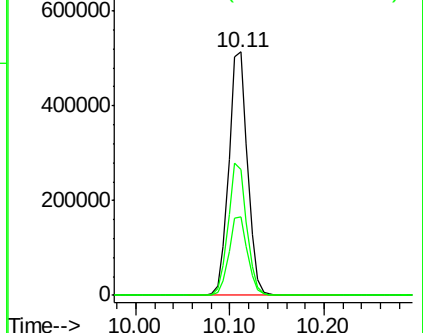
119 32.1 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX014593.D

Acq: 13 Jan 2020 17:41

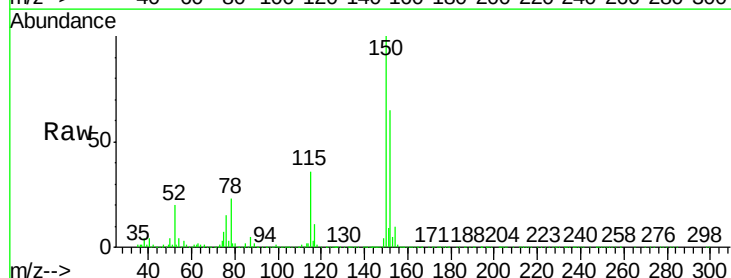
Tgt Ion:152 Resp: 319991

Ion Ratio Lower Upper

152 100

115 55.4 39.5 118.3

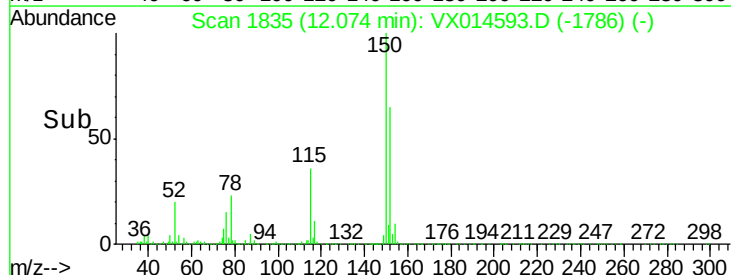
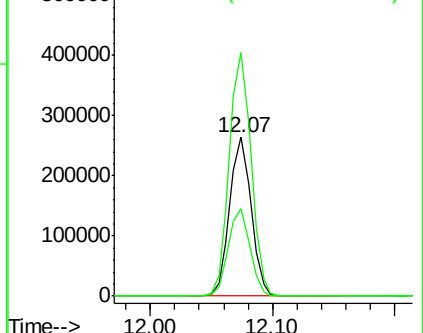
150 155.2 0.0 350.2

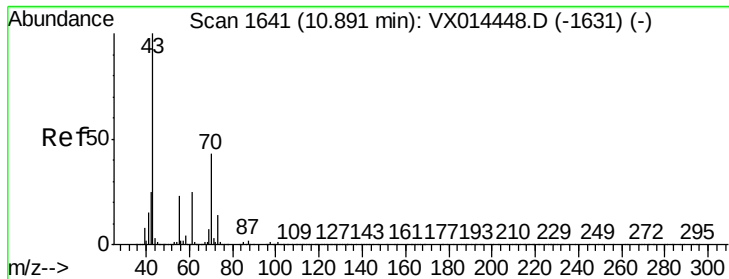


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: 0.219 ug/l

RT: 10.86 min Scan# 1636

Delta R.T. -0.03 min

Lab File: VX014593.D

Acq: 13 Jan 2020 17:41

Instrument :

MSVOA_X

ClientSampleId :

PB126026ZHE#19

Tgt Ion: 43 Resp: 2169

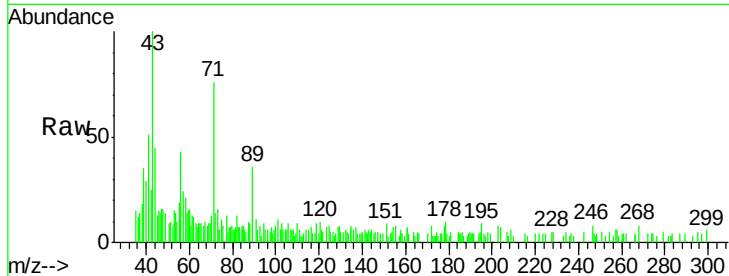
Ion Ratio Lower Upper

43 100

70 10.5 35.1 52.7#

55 18.1 19.3 28.9#

61 0.0 20.0 30.0#

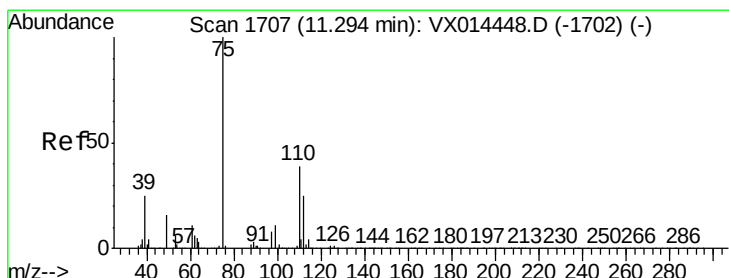
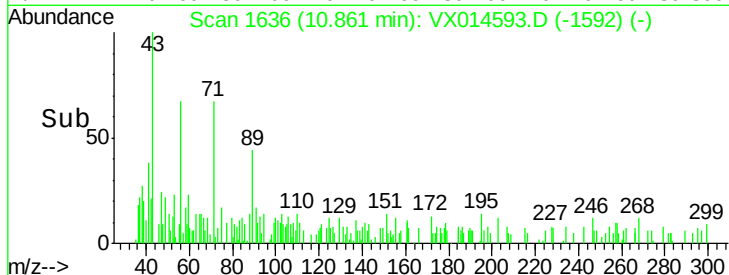
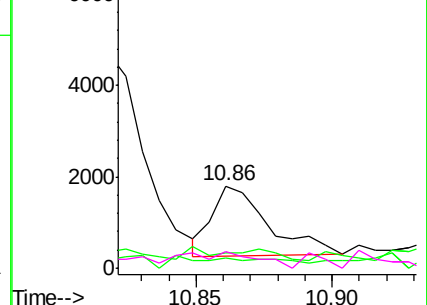


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.318 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014593.D

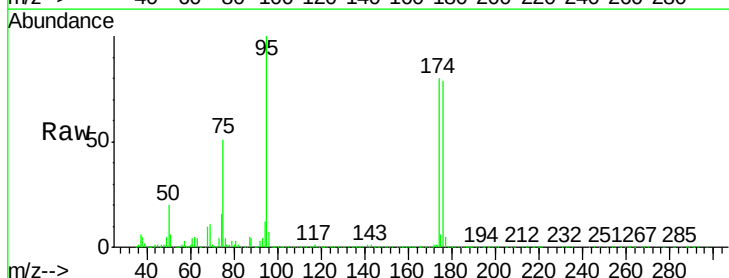
Acq: 13 Jan 2020 17:41

Tgt Ion: 75 Resp: 154379

Ion Ratio Lower Upper

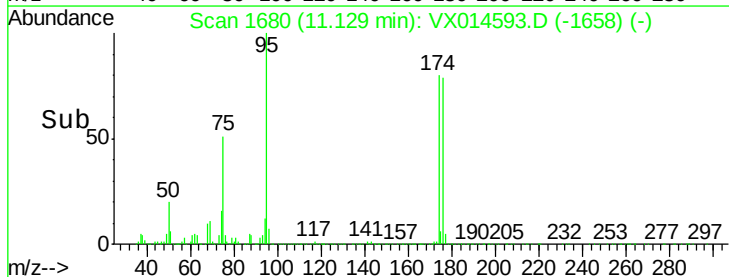
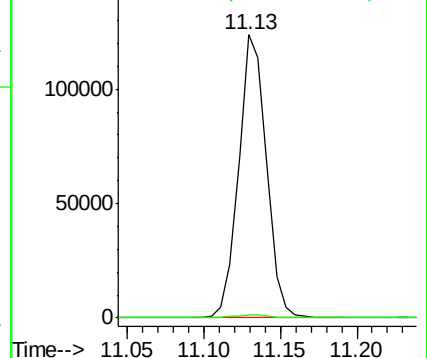
75 100

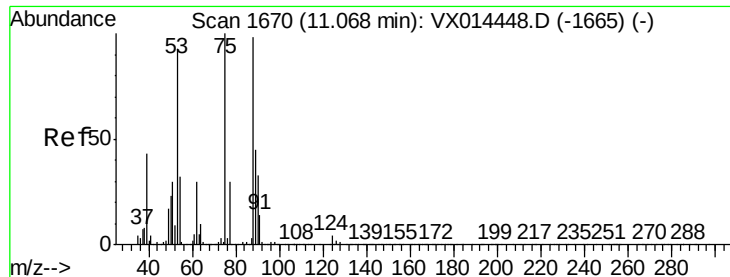
77 1.4 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

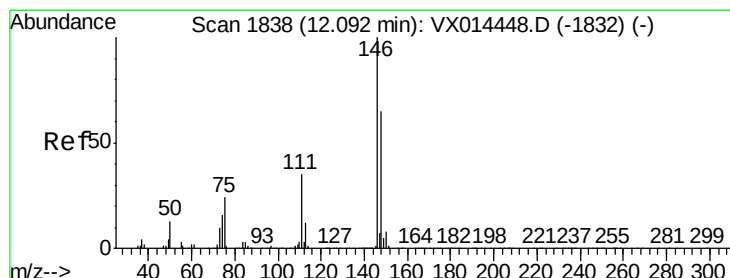
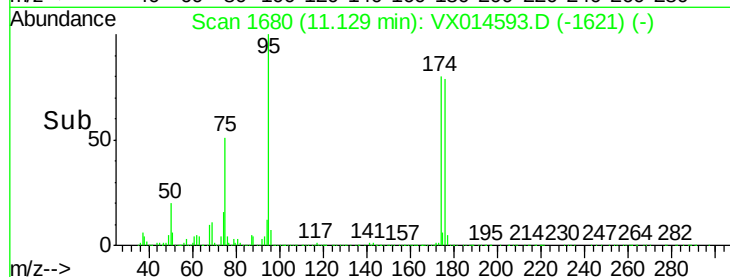
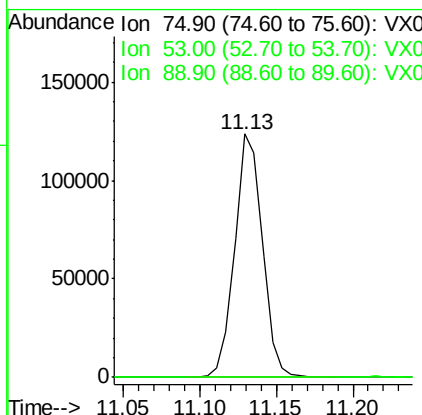
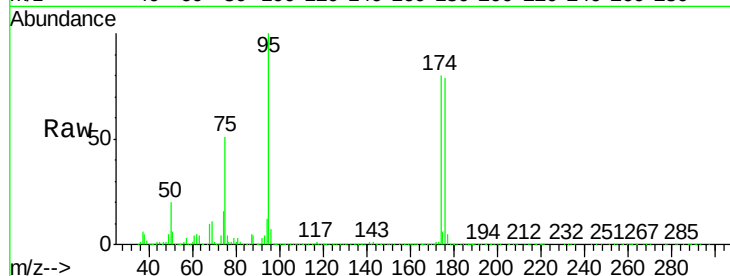




#81
trans-1,4-Dichloro-2-butene
Concen: 61.648 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014593.D
Acq: 13 Jan 2020 17:41

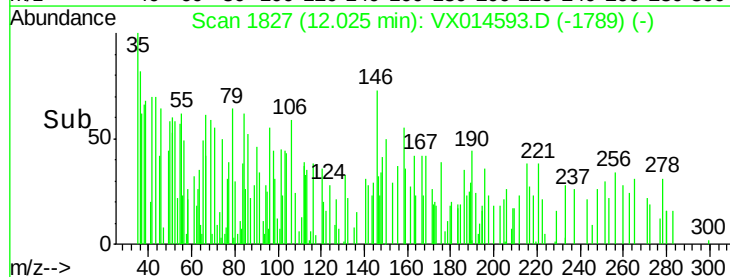
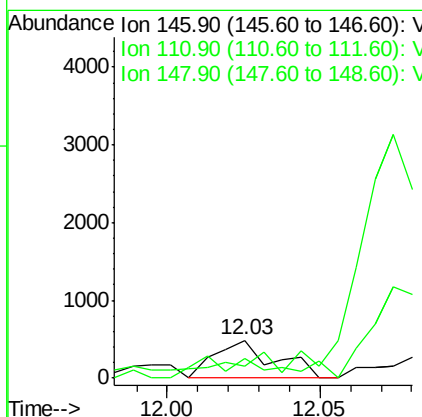
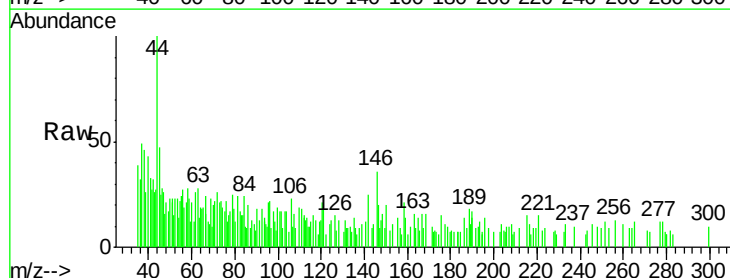
Instrument :
MSVOA_X
ClientSampleId :
PB126026ZHE#19

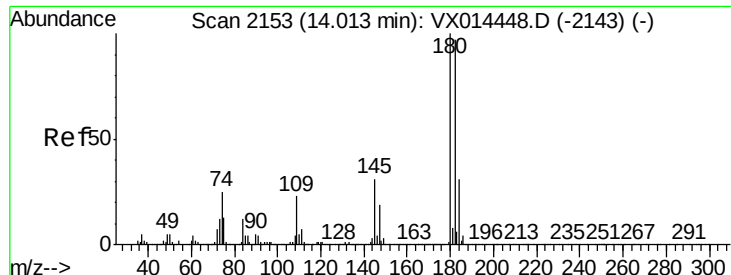
Tgt Ion: 75 Resp: 154379
Ion Ratio Lower Upper
75 100
53 0.3 74.8 112.2#
89 0.1 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.03 min Scan# 1827
Delta R.T. -0.07 min
Lab File: VX014593.D
Acq: 13 Jan 2020 17:41

Tgt Ion: 146 Resp: 653
Ion Ratio Lower Upper
146 100
111 35.2 18.1 54.1
148 59.9 32.1 96.3

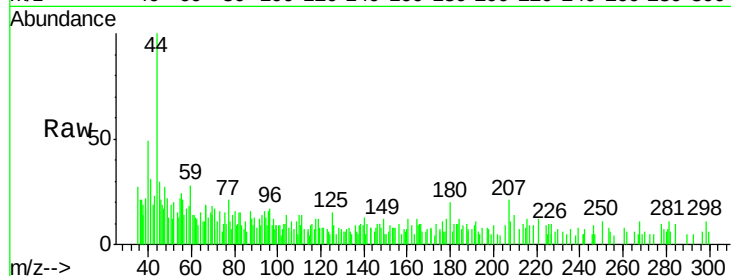




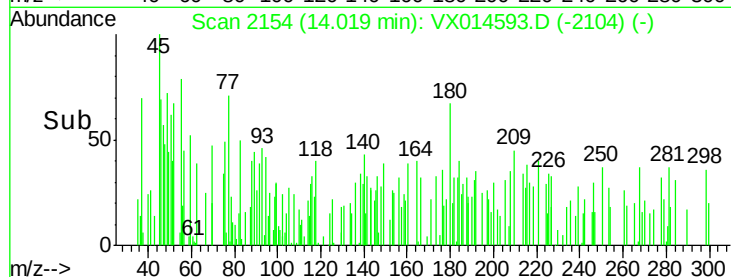
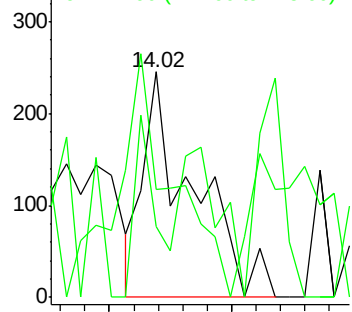
#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX014593.D
 Acq: 13 Jan 2020 17:41

Instrument :
 MSVOA_X
 ClientSampleId :
 PB126026ZHE#19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	118.8	47.9	143.6
145	34.5	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V



Time-->