

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014710.D
 Acq On : 24 Jan 2020 20:26
 Operator : JC/SP
 Sample : PB126303ZHE#11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB126303ZHE#11

Quant Time: Jan 24 22:35:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

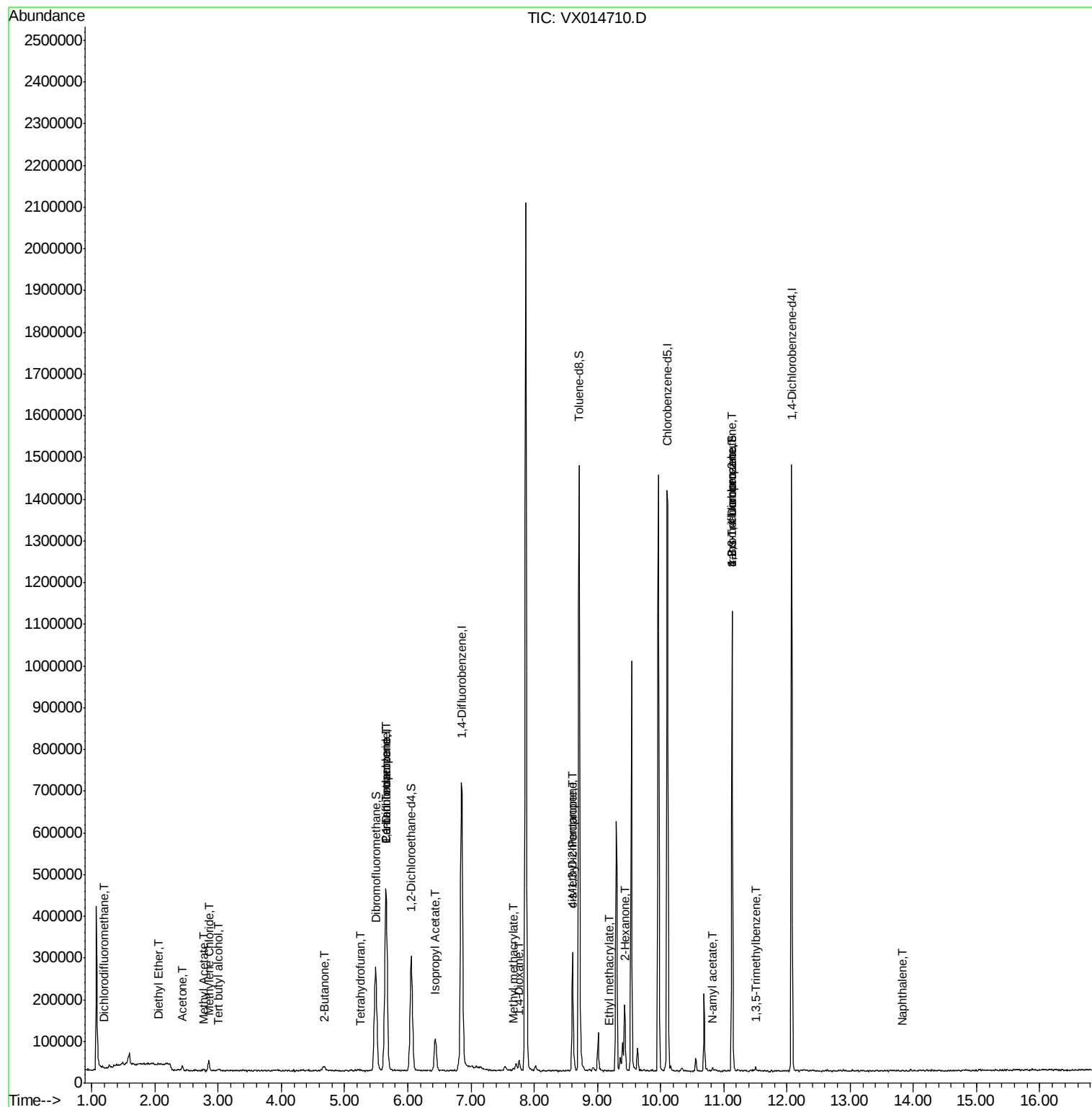
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	445193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	702405	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	655745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	296019	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	255172	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
35) Dibromofluoromethane	5.49	113	217716	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	8.71	98	851398	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.14	95	292748	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	269	0.576	ug/l #	52
6) Chloroethane	1.75	64	802	Below Cal	#	43
8) Diethyl Ether	2.06	74	691	0.209	ug/l	61
11) Tert butyl alcohol	3.01	59	3945	3.380	ug/l #	72
16) Acetone	2.44	43	13876	5.017	ug/l	100
18) Methyl Acetate	2.76	43	5063	0.623	ug/l	92
20) Methylene Chloride	2.85	84	11787	2.236	ug/l	93
25) 2-Butanone	4.68	43	5991	1.468	ug/l #	76
29) Tetrahydrofuran	5.26	42	599	0.247	ug/l	93
36) 1,1-Dichloropropene	5.65	75	30914	4.737	ug/l #	52
38) Carbon Tetrachloride	5.66	117	39963	6.411	ug/l #	15
41) Methacrylonitrile	5.04	41	203	Below Cal	#	1
43) Isopropyl Acetate	6.43	43	105521	8.620	ug/l	98
48) Methyl methacrylate	7.67	41	6303	1.078	ug/l #	18
49) 1,4-Dioxane	7.75	88	221	1.783	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	99382	12.863	ug/l #	53
54) cis-1,3-Dichloropropene	8.61	75	46015	5.886	ug/l #	62
56) Ethyl methacrylate	9.18	69	257	1.813	ug/l #	23
59) 2-Hexanone	9.43	43	127897	21.333	ug/l #	24
74) N-amyl acetate	10.82	43	4170	0.457	ug/l #	59
76) 1,2,3-Trichloropropane	11.13	75	142592	20.704	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.50	105	4649	0.269	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.13	75	142592	58.920	ug/l #	11
95) Naphthalene	13.84	128	691	0.964	ug/l #	38

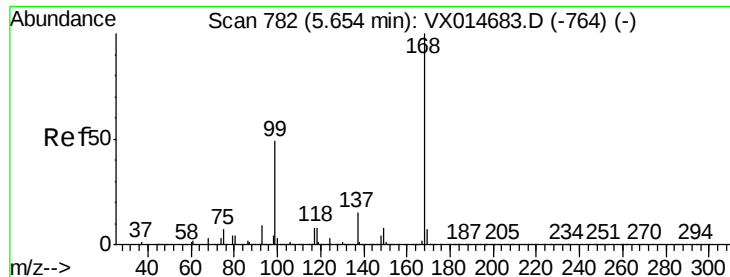
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012420\
Data File : VX014710.D
Acq On : 24 Jan 2020 20:26
Operator : JC/SP
Sample : PB126303ZHE#11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB126303ZHE#11

Quant Time: Jan 24 22:35:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 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: VX014710.D

Acq: 24 Jan 2020 20:26

Instrument :

MSVOA_X

ClientSampleId :

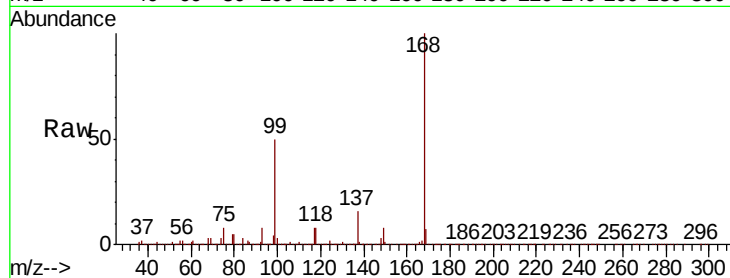
PB126303ZHE#11

Tot Ion:168 Resp: 445193

Ion Ratio Lower Upper

168 100

99 49.5 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

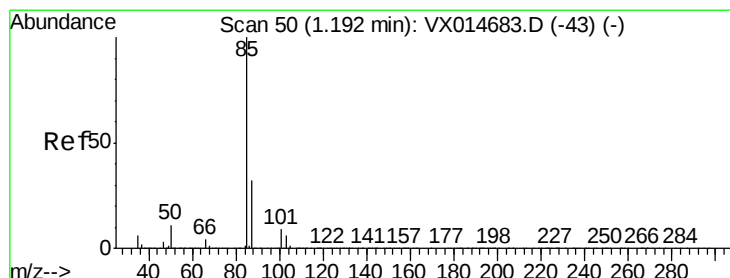
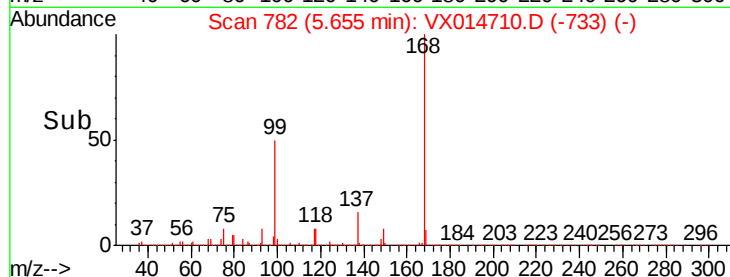
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.576 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014710.D

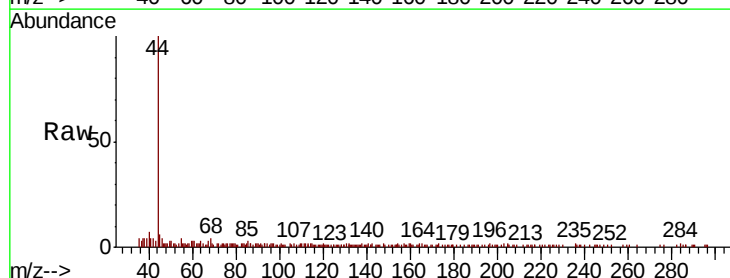
Acq: 24 Jan 2020 20:26

Tgt Ion: 85 Resp: 269

Ion Ratio Lower Upper

85 100

87 5.2 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400

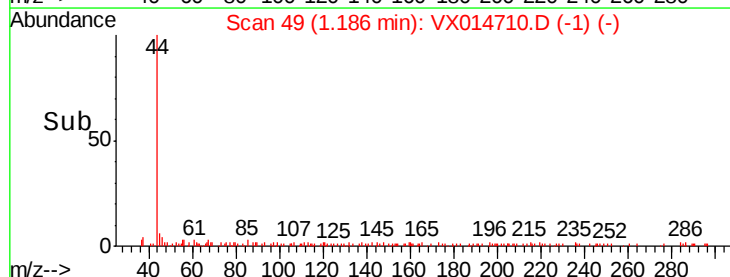
300

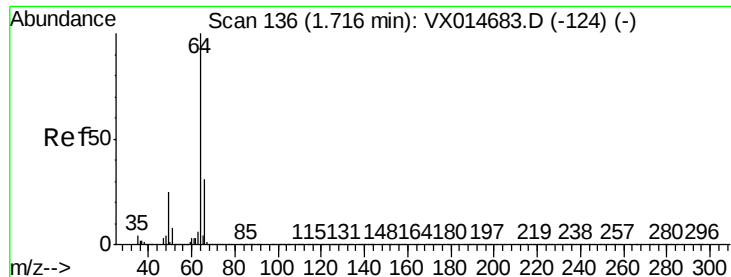
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 141

Delta R.T. 0.03 min

Lab File: VX014710.D

Acq: 24 Jan 2020 20:26

Instrument :

MSVOA_X

ClientSampleId :

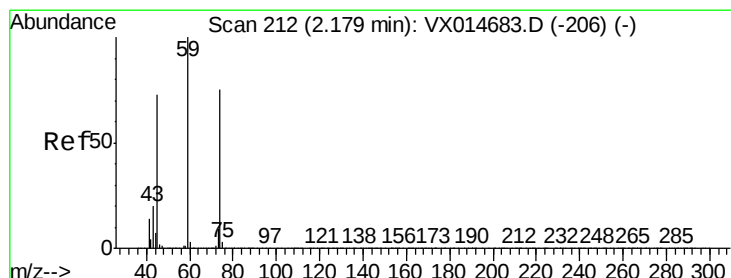
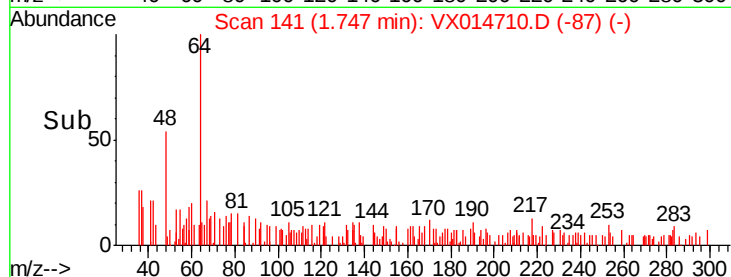
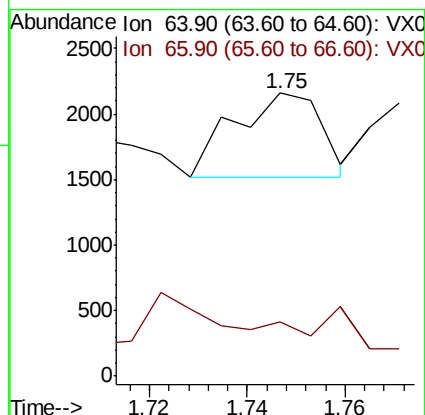
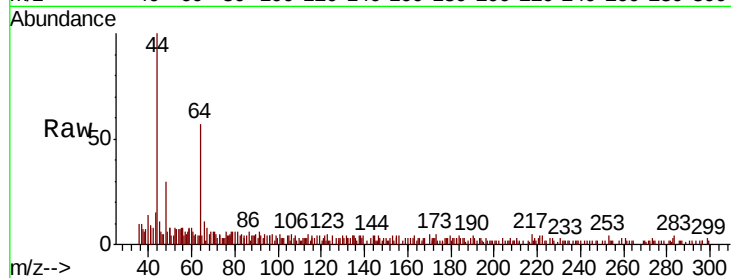
PB126303ZHE#11

Tot Ion: 64 Resp: 802

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#8

Diethyl Ether

Concen: 0.209 ug/l

RT: 2.06 min Scan# 193

Delta R.T. -0.12 min

Lab File: VX014710.D

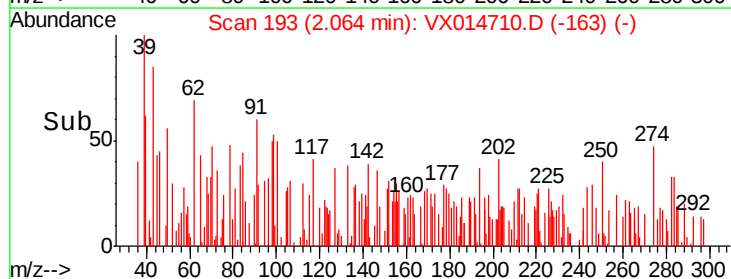
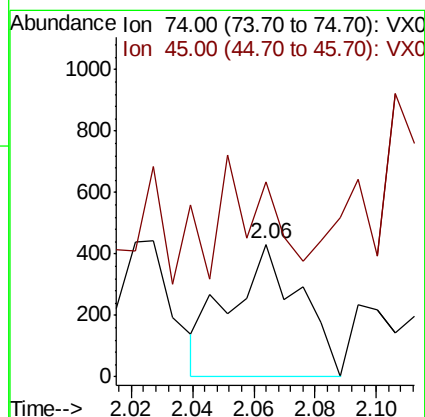
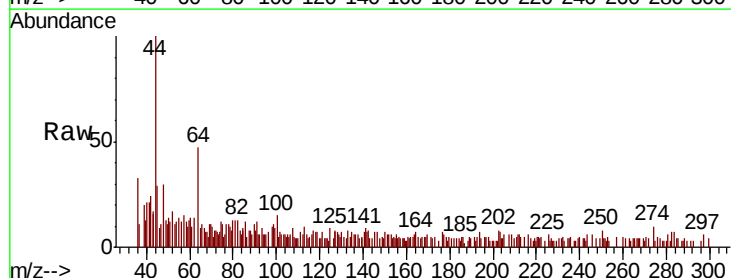
Acq: 24 Jan 2020 20:26

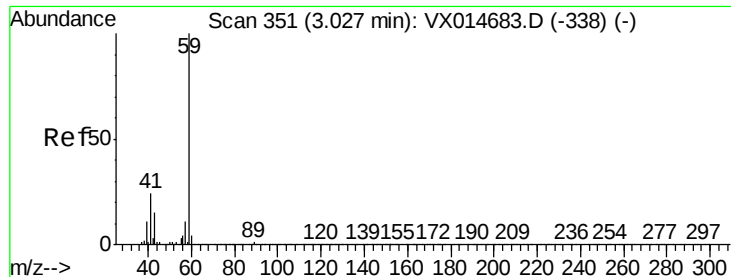
Tgt Ion: 74 Resp: 691

Ion Ratio Lower Upper

74 100

45 59.9 49.4 148.0



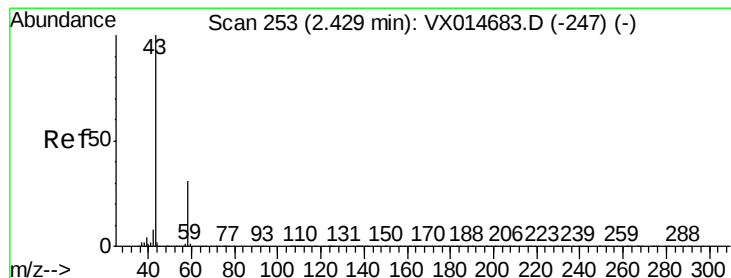
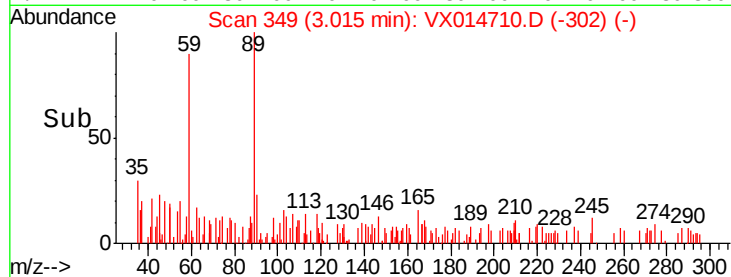
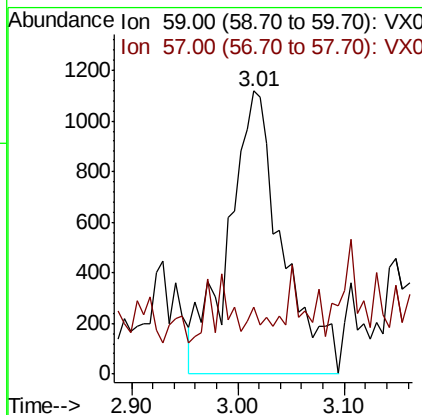
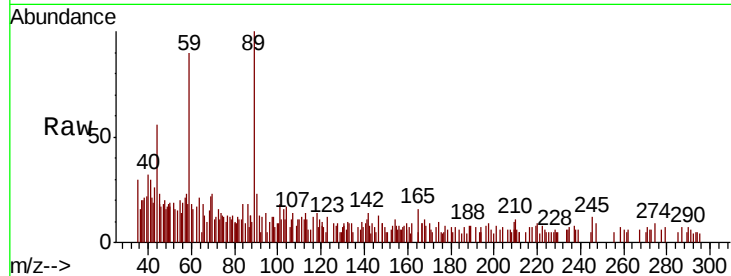


#11

Tert butyl alcohol
Concen: 3.380 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX014710.D
Acq: 24 Jan 2020 20:26

Instrument :
MSVOA_X
ClientSampleId :
PB126303ZHE#11

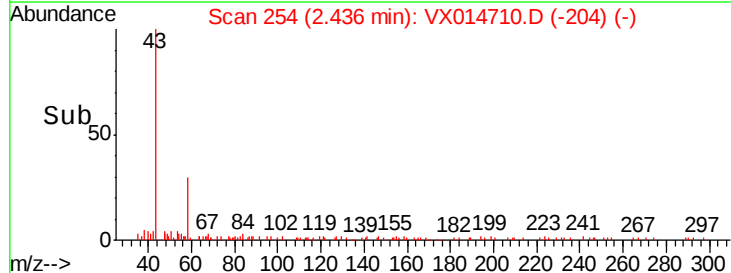
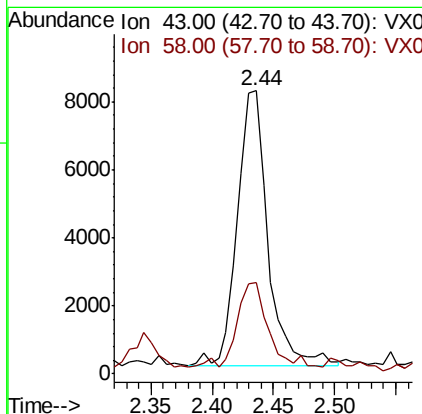
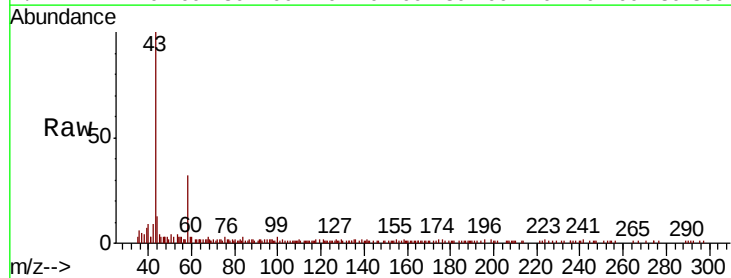
Tot Ion: 59 Resp: 3945
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

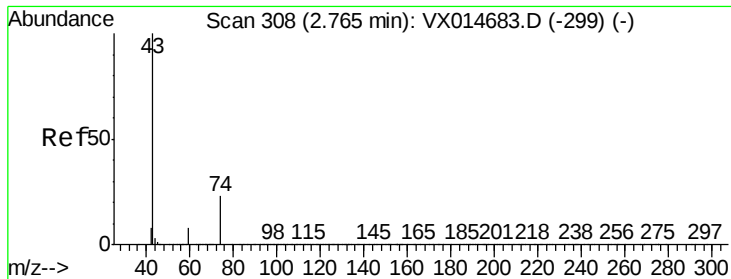


#16

Acetone
Concen: 5.017 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX014710.D
Acq: 24 Jan 2020 20:26

Tgt Ion: 43 Resp: 13876
Ion Ratio Lower Upper
43 100
58 30.4 24.5 36.7

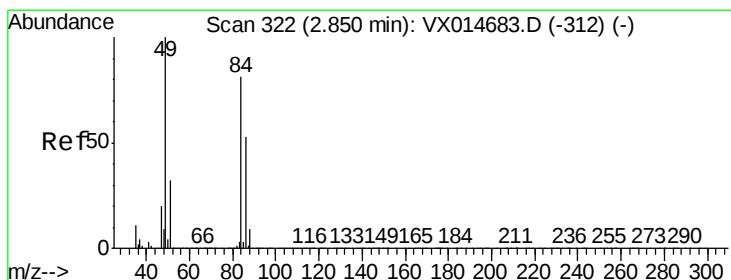
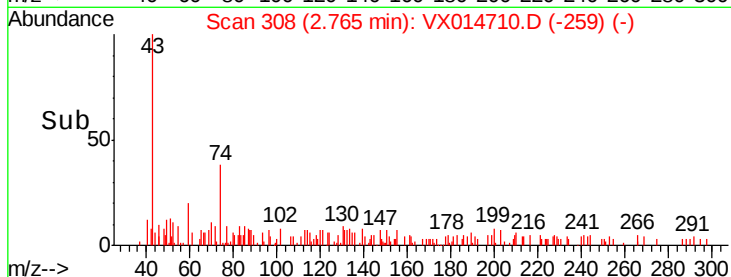
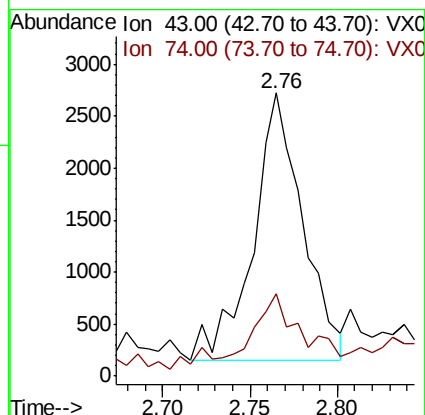
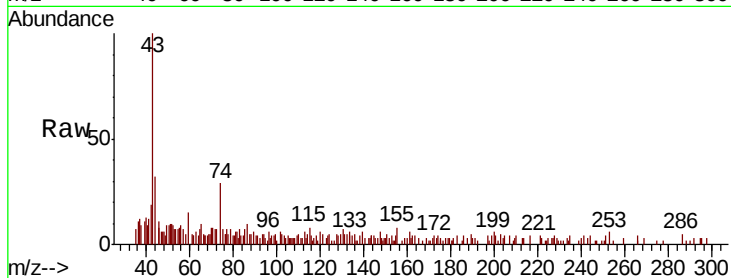




#18
Methvl Acetate
Concen: 0.623 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014710.D
Acq: 24 Jan 2020 20:26

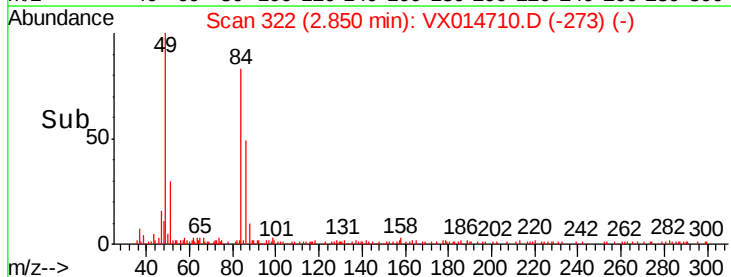
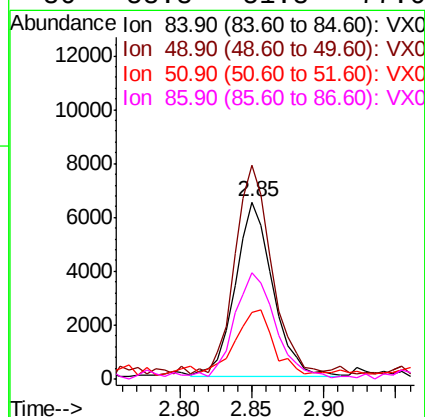
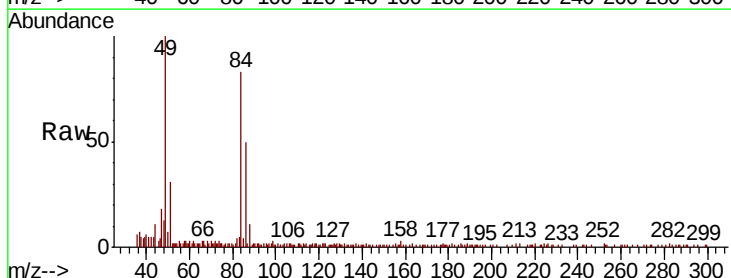
Instrument :
MSVOA_X
ClientSampleId :
PB126303ZHE#11

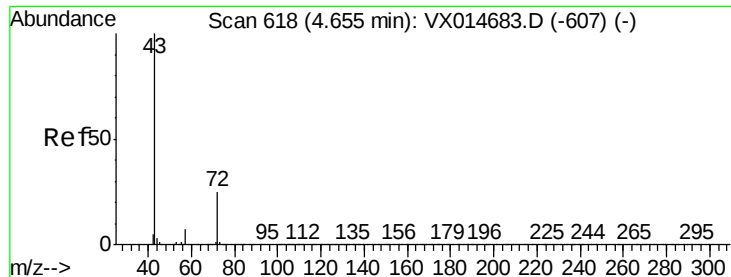
Tot Ion: 43 Resp: 5063
Ion Ratio Lower Upper
43 100
74 26.9 18.5 27.7



#20
Methylene Chloride
Concen: 2.236 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014710.D
Acq: 24 Jan 2020 20:26

Tgt Ion: 84 Resp: 11787
Ion Ratio Lower Upper
84 100
49 116.4 98.2 147.4
51 33.0 31.3 46.9
86 58.8 51.8 77.6





#25

2-Butanone

Concen: 1.468 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX014710.D

Acq: 24 Jan 2020 20:26

Instrument :

MSVOA_X

ClientSampleId :

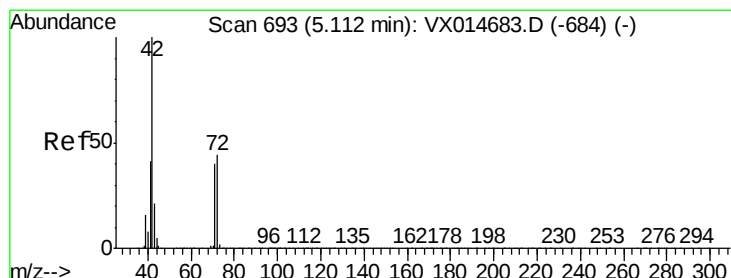
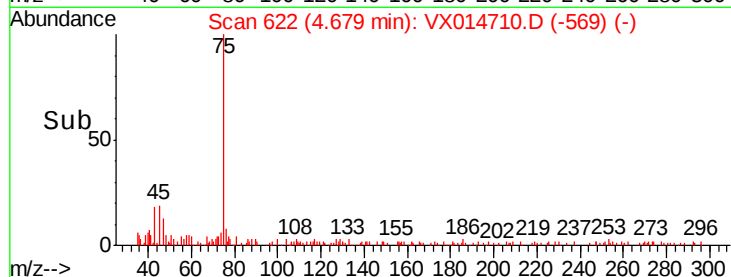
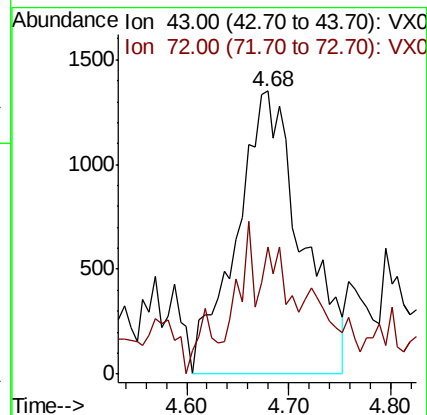
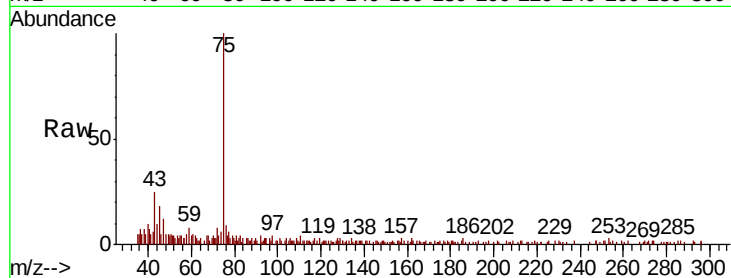
PB126303ZHE#11

Tot Ion: 43 Resp: 5991

Ion Ratio Lower Upper

43 100

72 36.8 19.9 29.9#



#29

Tetrahydrofuran

Concen: 0.247 ug/l

RT: 5.26 min Scan# 717

Delta R.T. 0.15 min

Lab File: VX014710.D

Acq: 24 Jan 2020 20:26

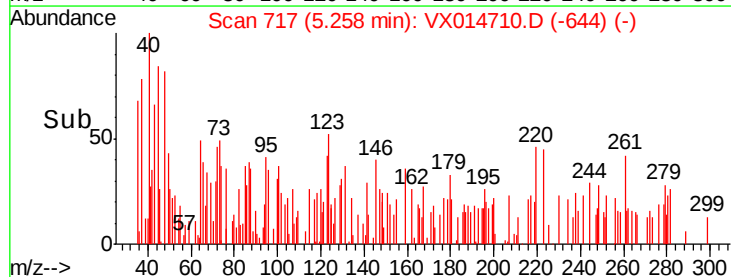
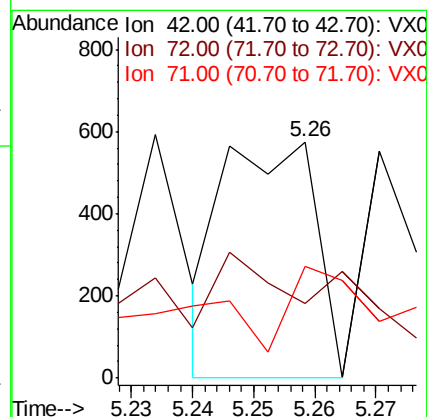
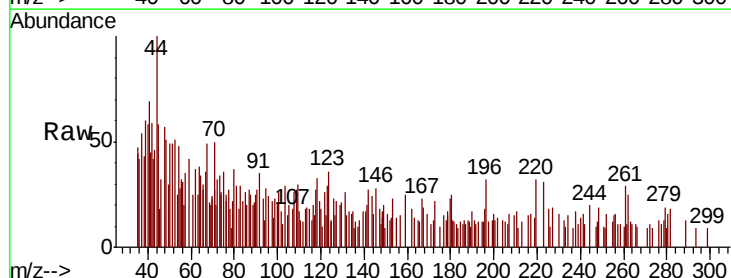
Tgt Ion: 42 Resp: 599

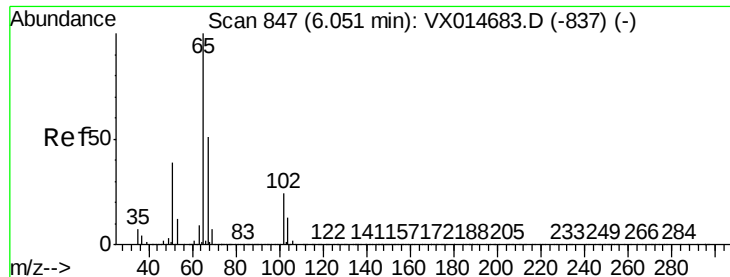
Ion Ratio Lower Upper

42 100

72 40.7 35.3 52.9

71 35.9 33.1 49.7





#33

1,2-Dichloroethane-d4

Concen: 49.083 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014710.D

Acq: 24 Jan 2020 20:26

Instrument :

MSVOA_X

ClientSampleId :

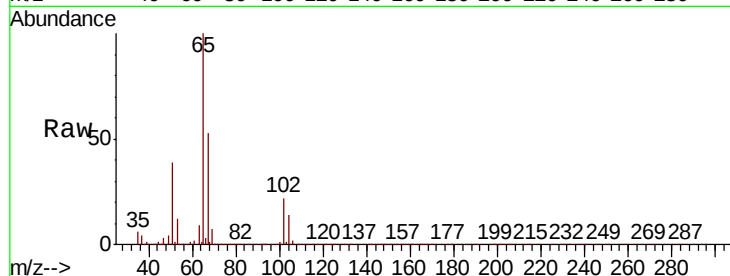
PB126303ZHE#11

Tot Ion: 65 Resp: 255172

Ion Ratio Lower Upper

65 100

67 54.6 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

100000

80000

60000

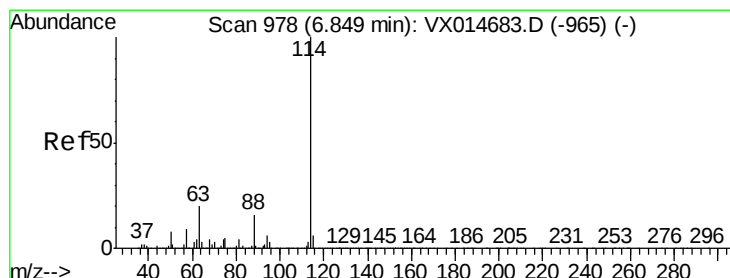
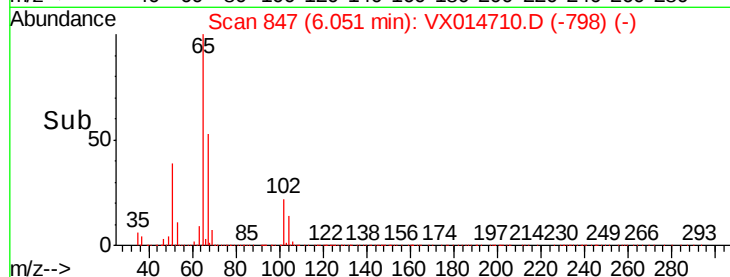
40000

20000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014710.D

Acq: 24 Jan 2020 20:26

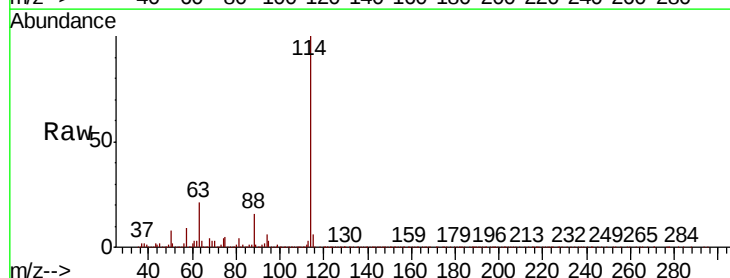
Tgt Ion: 114 Resp: 702405

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.6

88 16.1 0.0 31.2



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

400000

300000

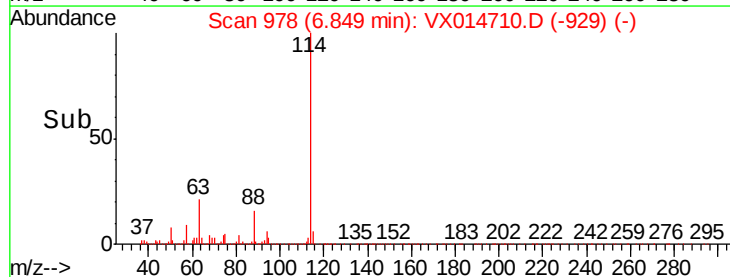
200000

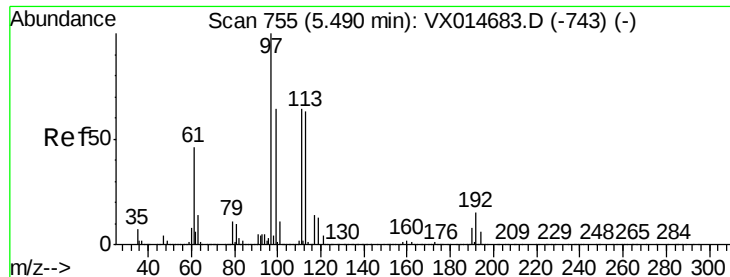
100000

0

Time-->

6.70 6.80 6.90 7.00

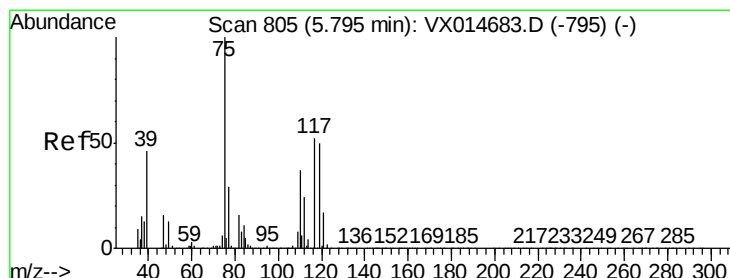
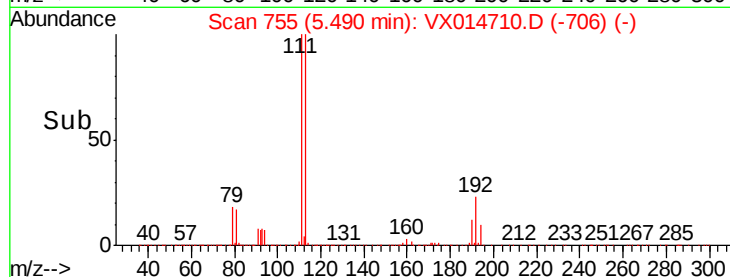
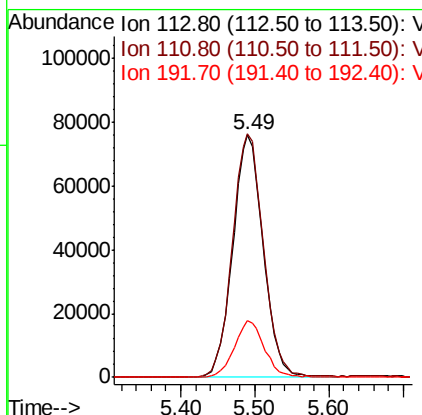
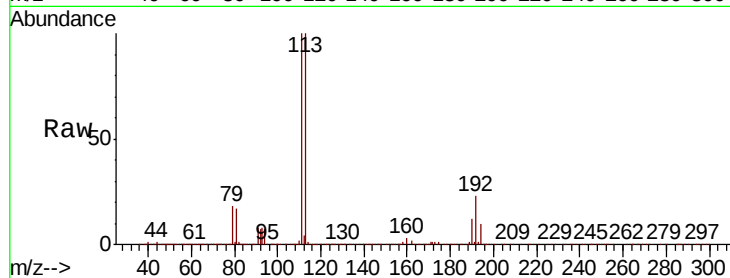




#35
 Dibromofluoromethane
 Concen: 49.122 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014710.D
 Acq: 24 Jan 2020 20:26

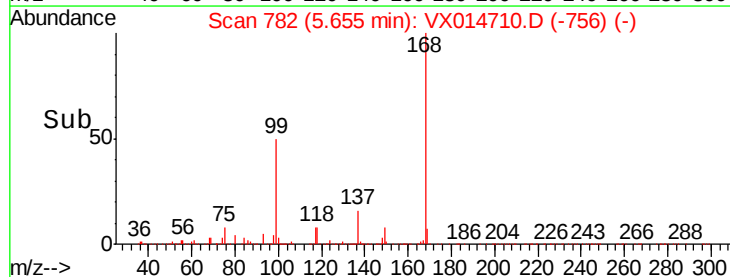
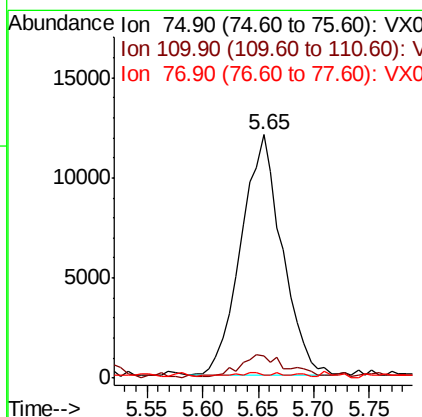
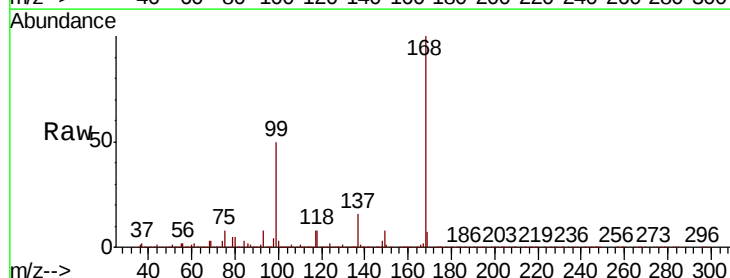
Instrument :
 MSVOA_X
 ClientSampleId :
 PB126303ZHE#11

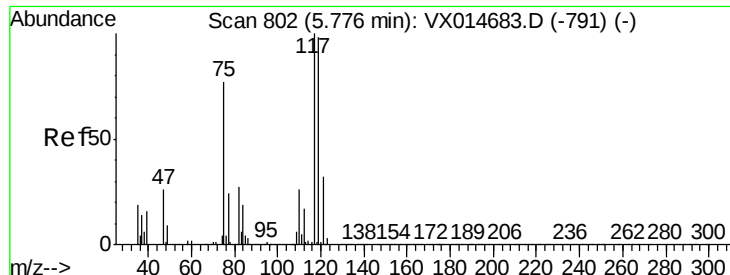
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.7	121.1
192	23.0	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 4.737 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014710.D
 Acq: 24 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	17.9	53.7#
77	0.7	24.1	36.1#

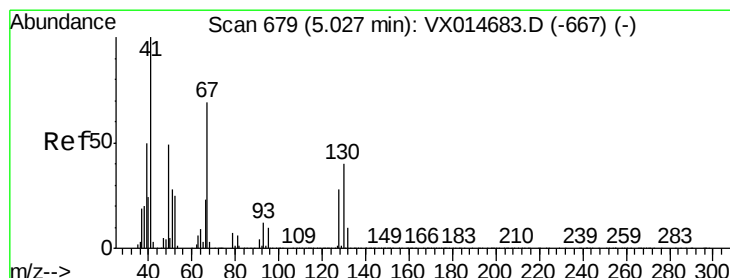
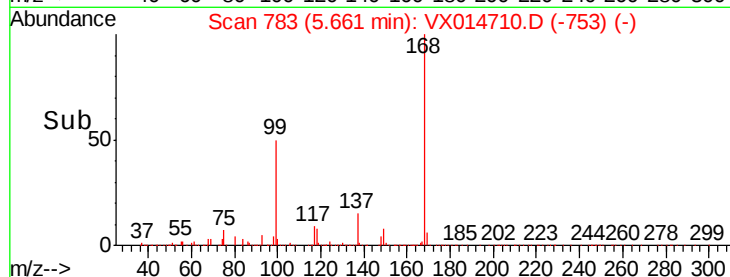
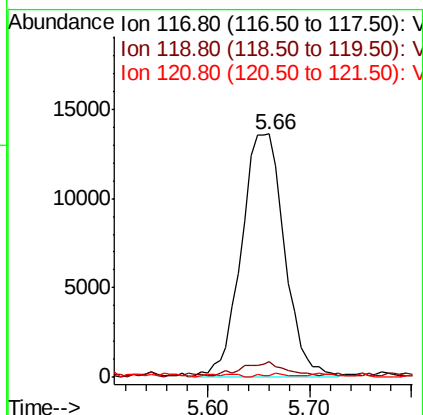
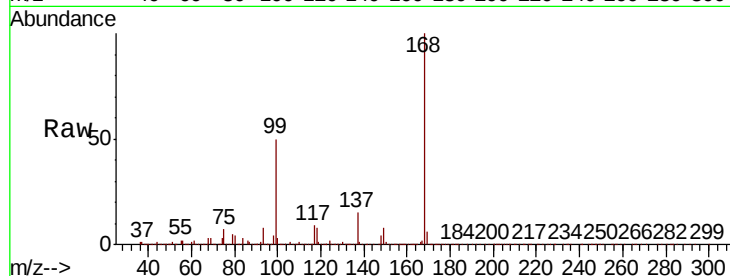




#38
Carbon Tetrachloride
Concen: 6.411 ug/l
RT: 5.66 min Scan# 783
Delta R.T. -0.12 min
Lab File: VX014710.D
Acq: 24 Jan 2020 20:26

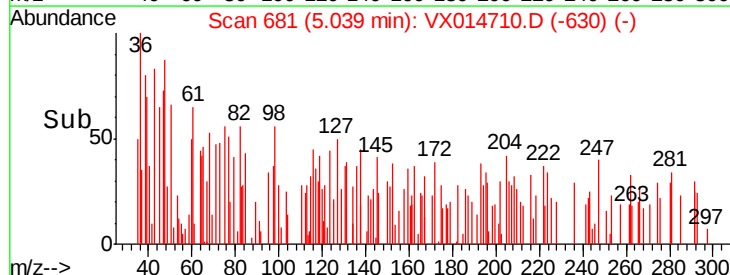
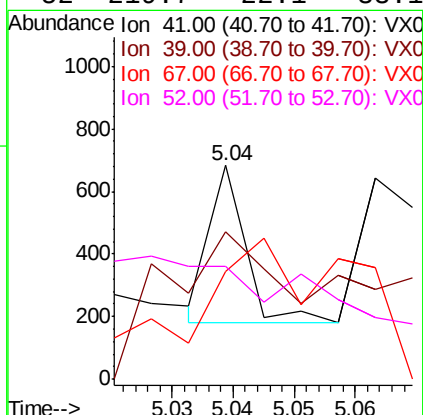
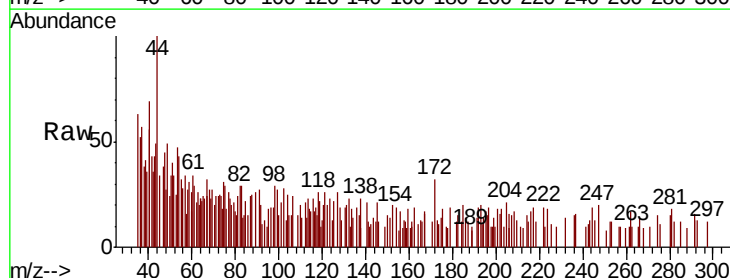
Instrument :
MSVOA_X
ClientSampleId :
PB126303ZHE#11

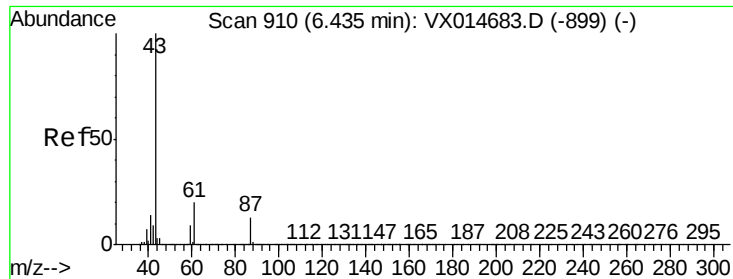
Tot Ion:117 Resp: 39963
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.2 25.4 38.2#



#41
Methacrylonitrile
Concen: Below Cal
RT: 5.04 min Scan# 681
Delta R.T. 0.01 min
Lab File: VX014710.D
Acq: 24 Jan 2020 20:26

Tgt Ion: 41 Resp: 203
Ion Ratio Lower Upper
41 100
39 308.4 42.2 63.2#
67 374.9 55.4 83.0#
52 219.7 22.1 33.1#



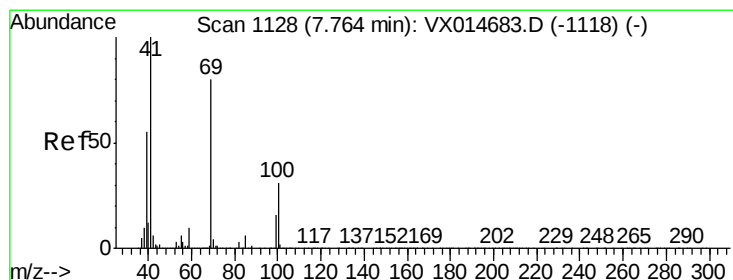
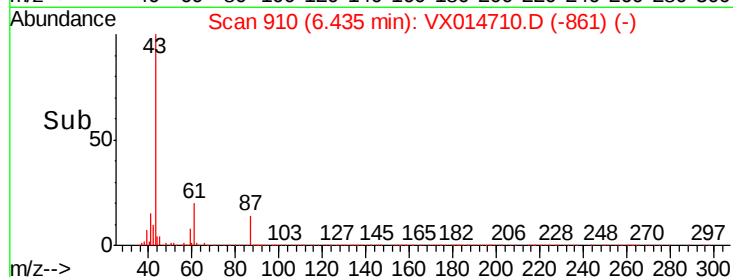
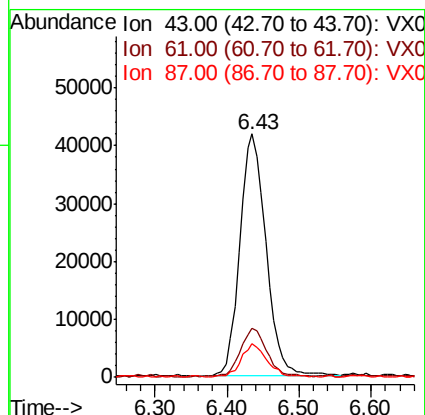
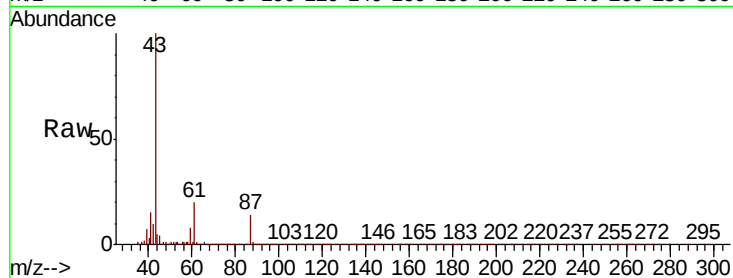


#43

Isopropyl Acetate
 Concen: 8.620 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014710.D
 Acq: 24 Jan 2020 20:26

Instrument :
 MSVOA_X
 ClientSampleId :
 PB126303ZHE#11

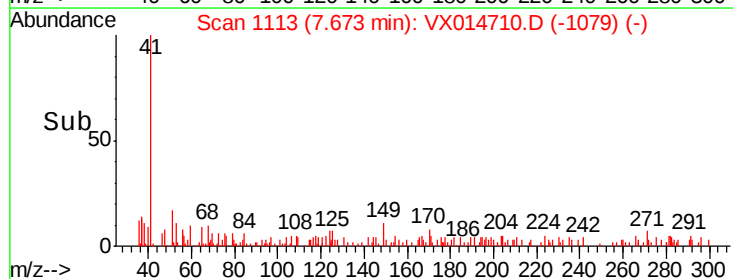
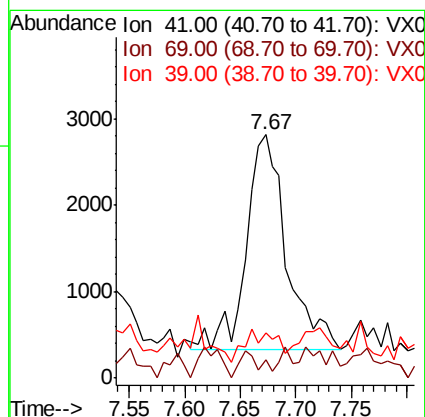
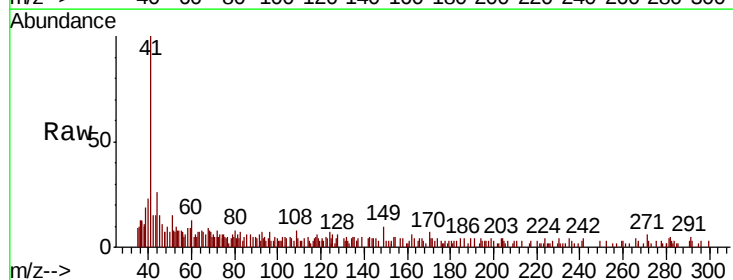
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.2	24.4
87	13.7	10.5	15.7

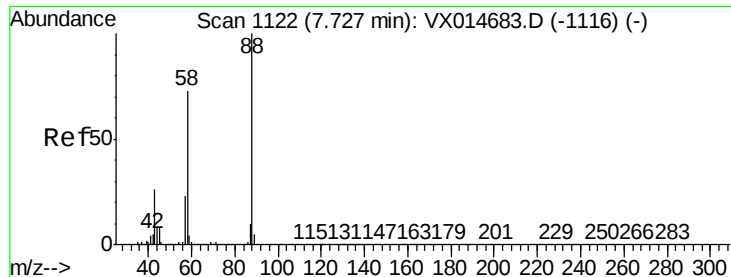


#48

Methyl methacrylate
 Concen: 1.078 ug/l
 RT: 7.67 min Scan# 1113
 Delta R.T. -0.09 min
 Lab File: VX014710.D
 Acq: 24 Jan 2020 20:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	4.1	63.5	95.3#
39	0.0	43.7	65.5#





#49

1,4-Dioxane

Concen: 1.783 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX014710.D

Acq: 24 Jan 2020 20:26

Instrument :

MSVOA_X

ClientSampleId :

PB126303ZHE#11

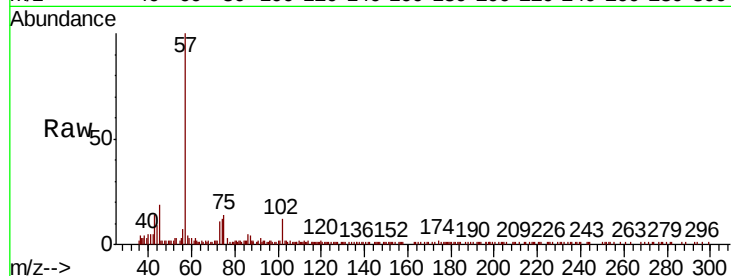
Tot Ion: 88 Resp: 221

Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.2#

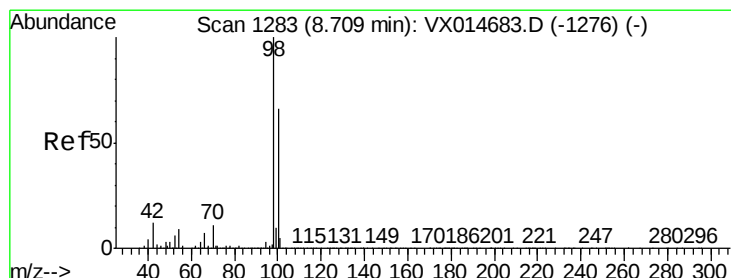
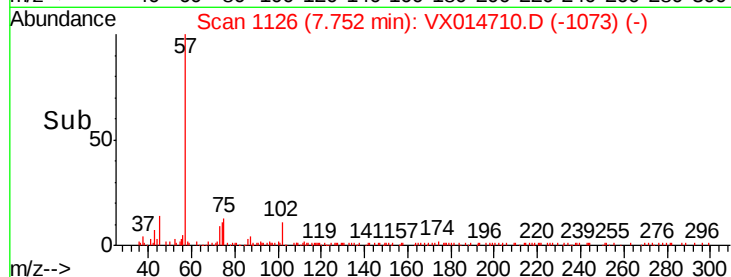
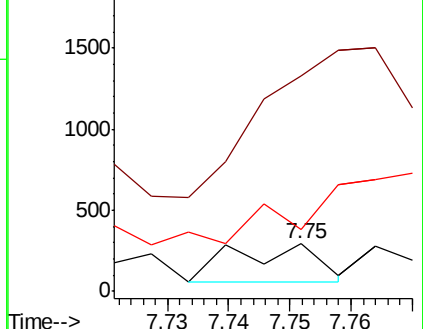
58 462.4 56.6 85.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.968 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014710.D

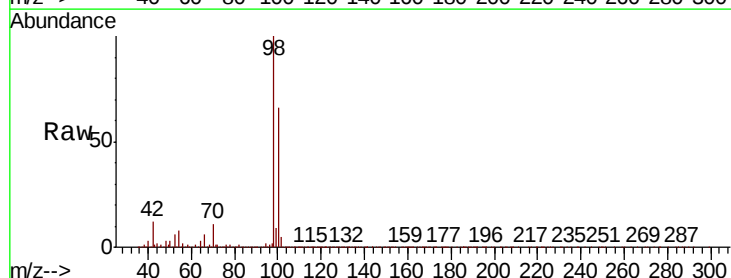
Acq: 24 Jan 2020 20:26

Tgt Ion: 98 Resp: 851398

Ion Ratio Lower Upper

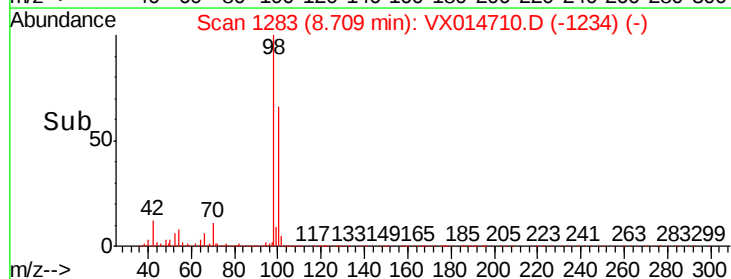
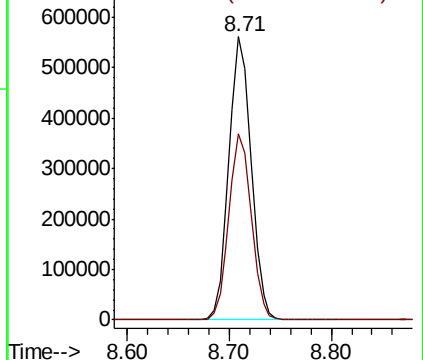
98 100

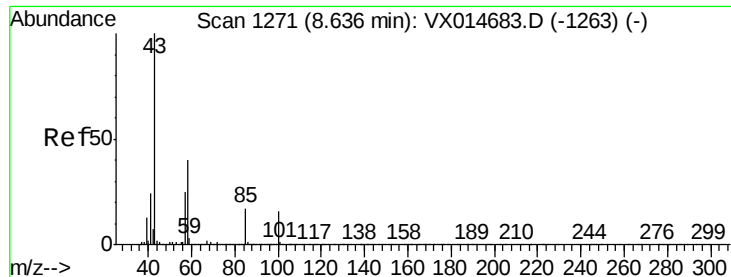
100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 12.863 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014710.D

Acq: 24 Jan 2020 20:26

Instrument :

MSVOA_X

ClientSampleId :

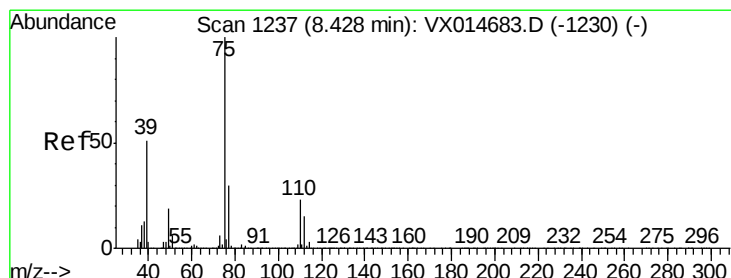
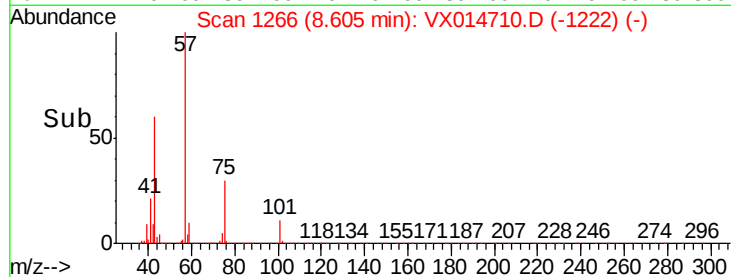
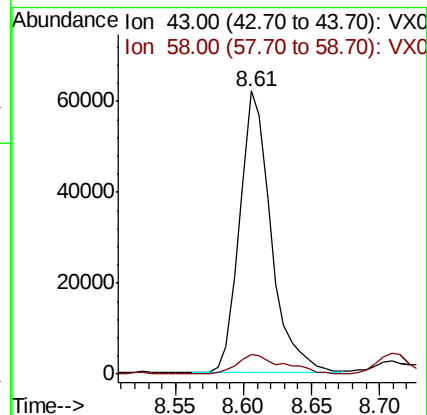
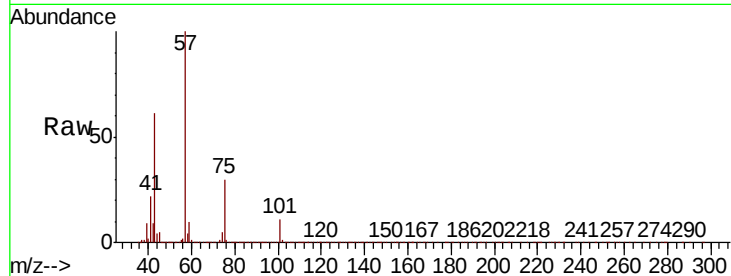
PB126303ZHE#11

Tot Ion: 43 Resp: 99382

Ion Ratio Lower Upper

43 100

58 10.9 31.6 47.4#



#54

cis-1,3-Dichloropropene

Concen: 5.886 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX014710.D

Acq: 24 Jan 2020 20:26

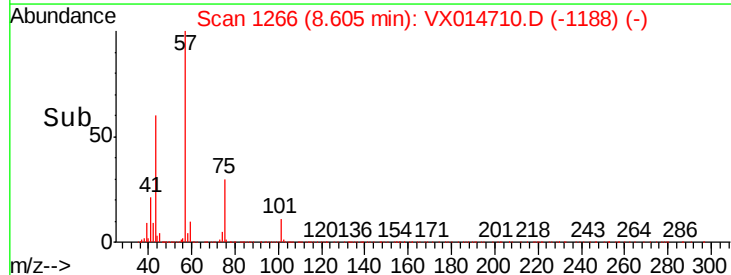
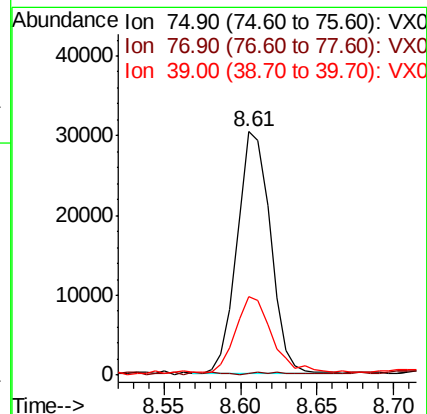
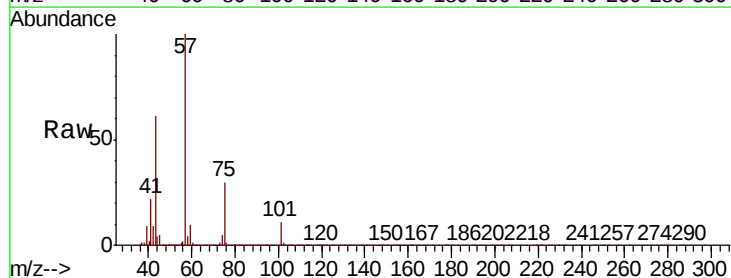
Tgt Ion: 75 Resp: 46015

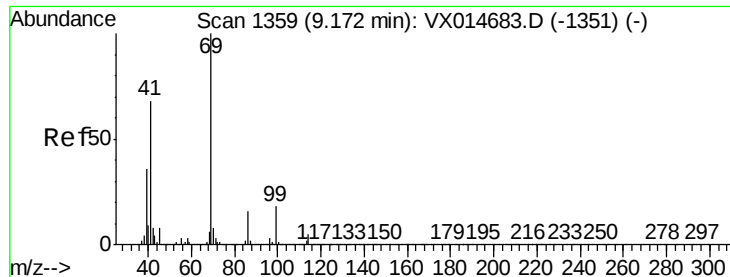
Ion Ratio Lower Upper

75 100

77 0.0 23.9 35.9#

39 31.2 40.9 61.3#

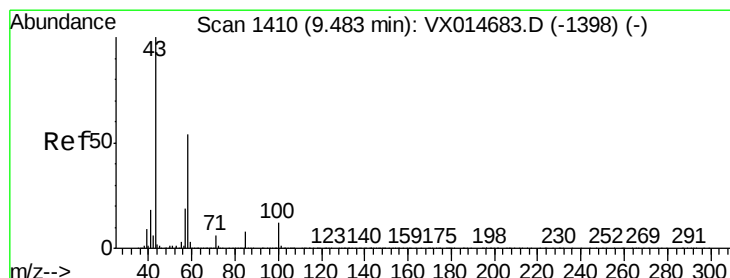
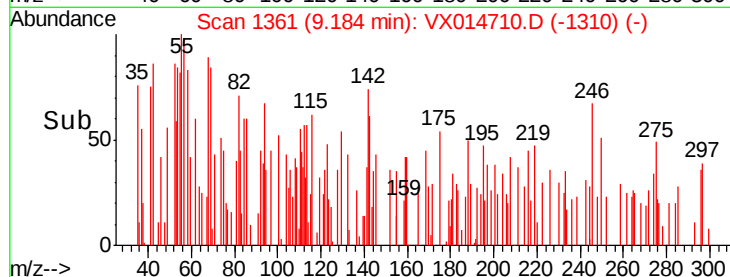
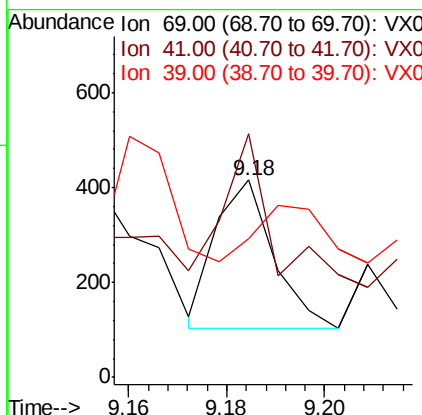
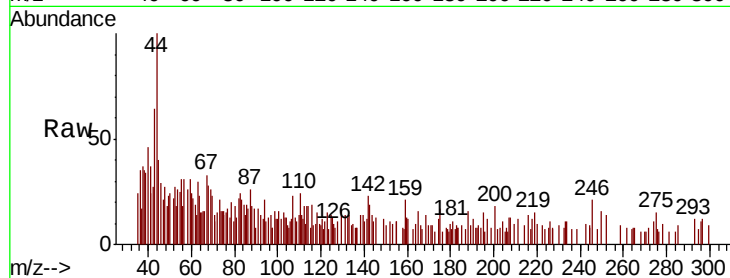




#56
Ethyl methacrylate
Concen: 1.813 ug/l
RT: 9.18 min Scan# 1361
Delta R.T. 0.01 min
Lab File: VX014710.D
Acq: 24 Jan 2020 20:26

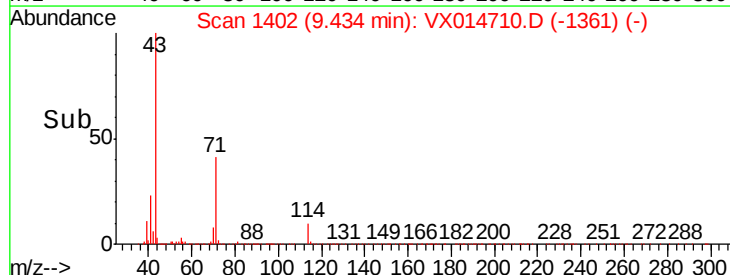
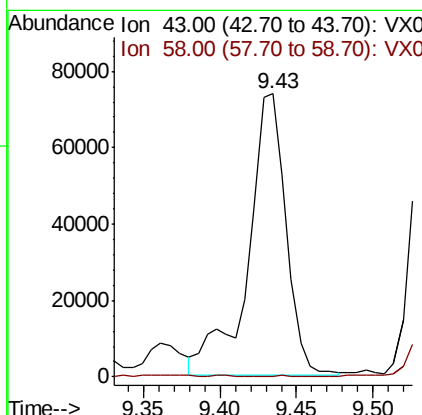
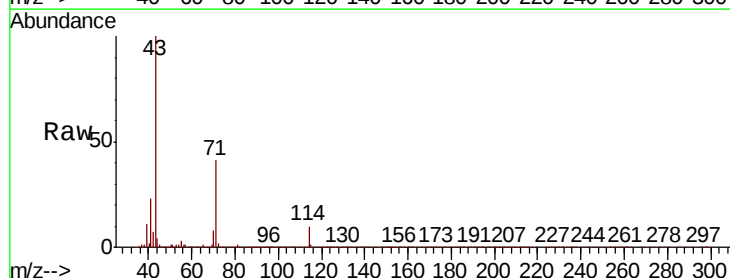
Instrument :
MSVOA_X
ClientSampleId :
PB126303ZHE#11

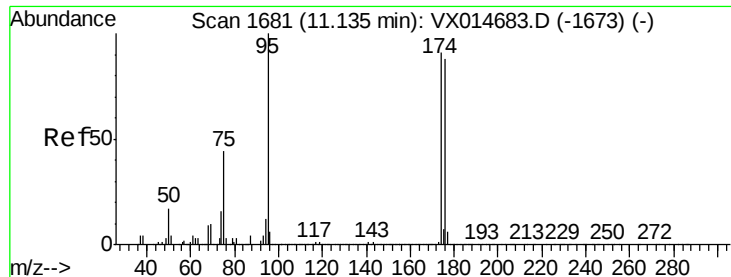
Tot Ion: 69 Resp: 257
Ion Ratio Lower Upper
69 100
41 0.0 54.9 82.3#
39 0.0 29.3 43.9#



#59
2-Hexanone
Concen: 21.333 ug/l
RT: 9.43 min Scan# 1402
Delta R.T. -0.05 min
Lab File: VX014710.D
Acq: 24 Jan 2020 20:26

Tgt Ion: 43 Resp: 127897
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#





#62

4-Bromofluorobenzene

Concen: 48.232 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014710.D

Acq: 24 Jan 2020 20:26

Instrument :

MSVOA_X

ClientSampleId :

PB126303ZHE#11

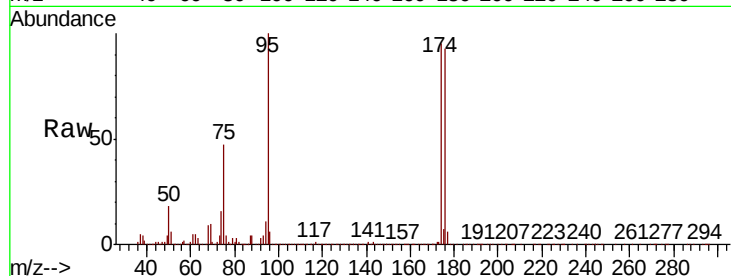
Tot Ion: 95 Resp: 292748

Ion Ratio Lower Upper

95 100

174 90.9 0.0 176.0

176 86.1 0.0 172.2

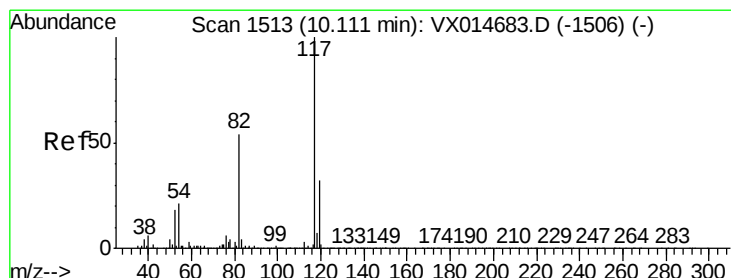
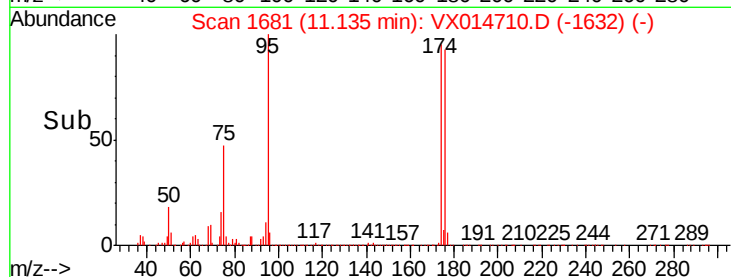
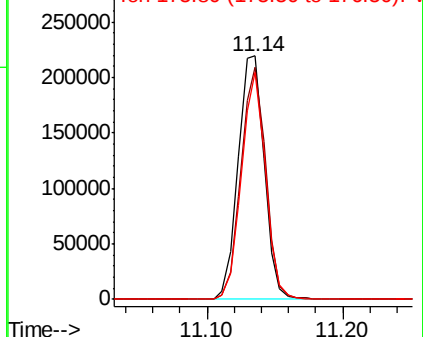


Abundance

Ion 94.90 (94.60 to 95.60): VX014710.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX014710.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX014710.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014710.D

Acq: 24 Jan 2020 20:26

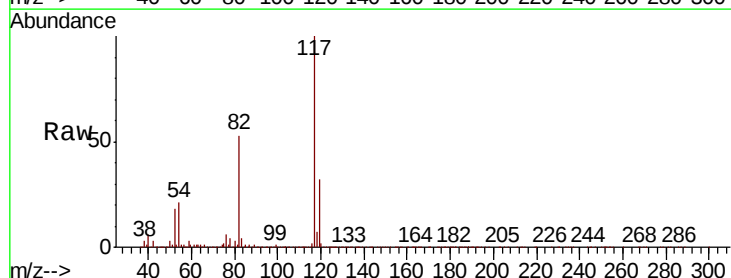
Tgt Ion: 117 Resp: 655745

Ion Ratio Lower Upper

117 100

82 52.5 43.2 64.8

119 31.5 25.8 38.6

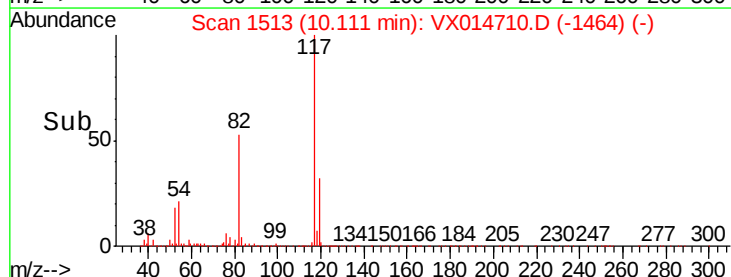
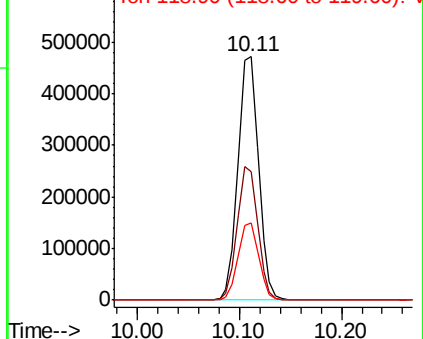


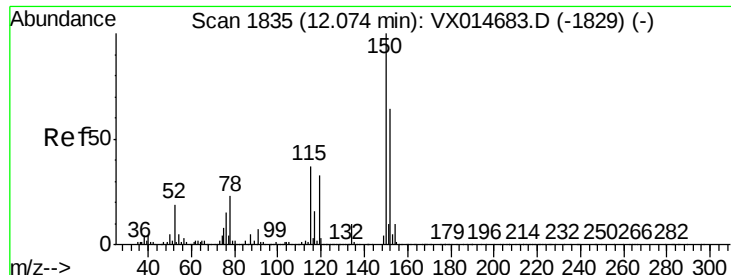
Abundance

Ion 116.90 (116.60 to 117.60): VX014710.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014710.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014710.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014710.D

Acq: 24 Jan 2020 20:26

Instrument :

MSVOA_X

ClientSampleId :

PB126303ZHE#11

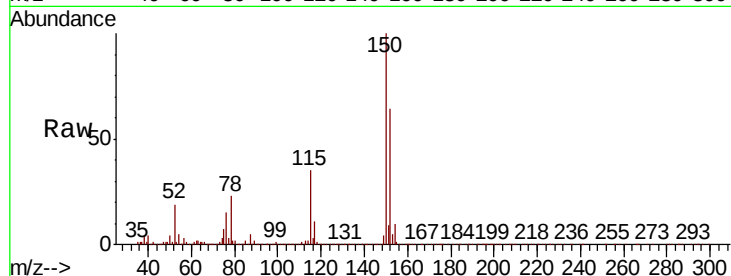
Tot Ion:152 Resp: 296019

Ion Ratio Lower Upper

152 100

115 54.7 39.4 118.1

150 155.3 0.0 351.2

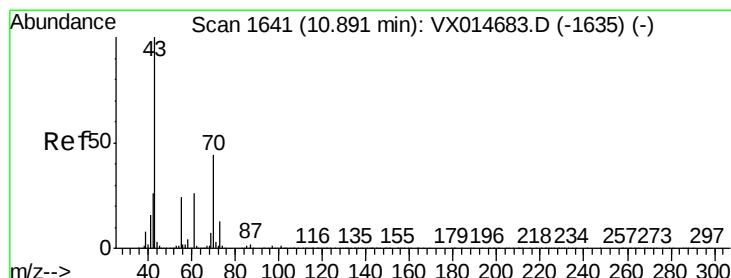
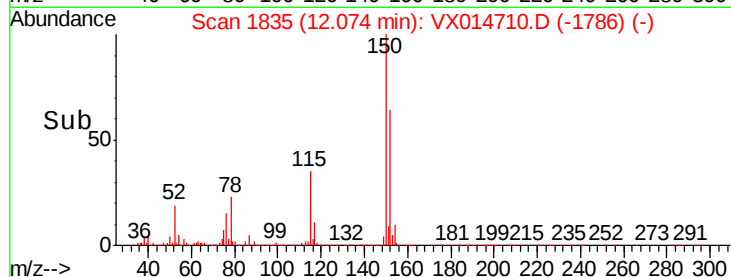
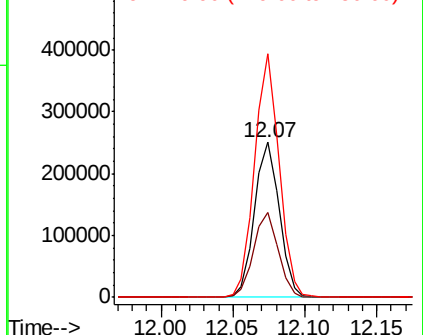


Abundance

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: 0.457 ug/l

RT: 10.82 min Scan# 1630

Delta R.T. -0.07 min

Lab File: VX014710.D

Acq: 24 Jan 2020 20:26

Tgt Ion: 43 Resp: 4170

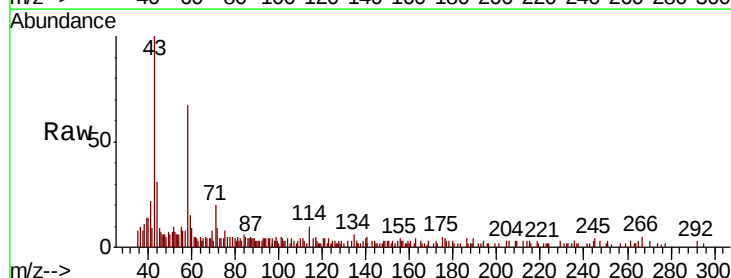
Ion Ratio Lower Upper

43 100

70 8.2 34.6 52.0#

55 20.1 19.4 29.2

61 0.0 19.8 29.6#



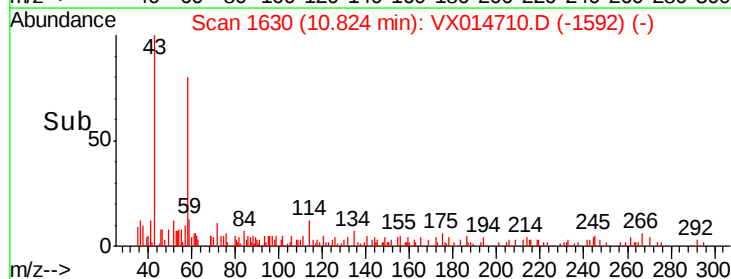
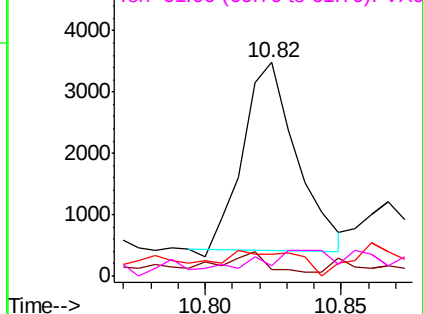
Abundance

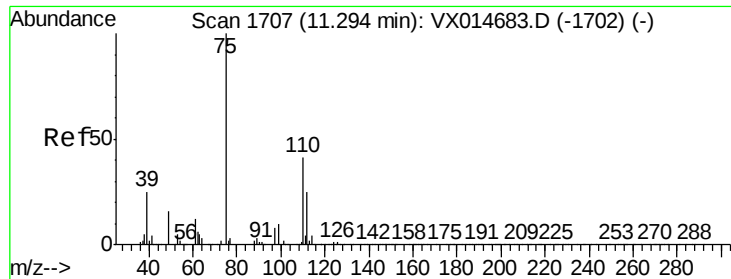
Ion 43.00 (42.70 to 43.70): VX0

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

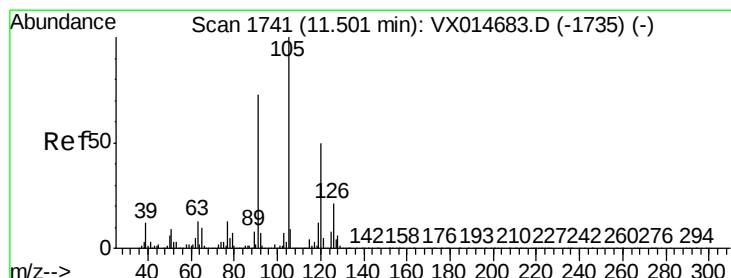
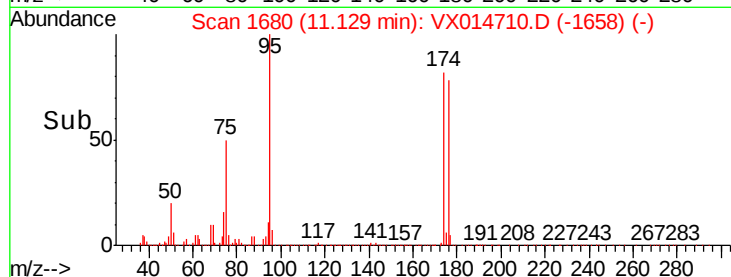
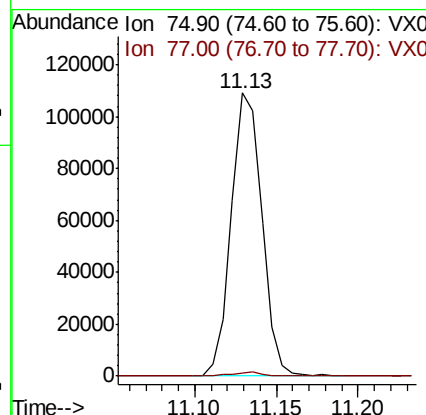
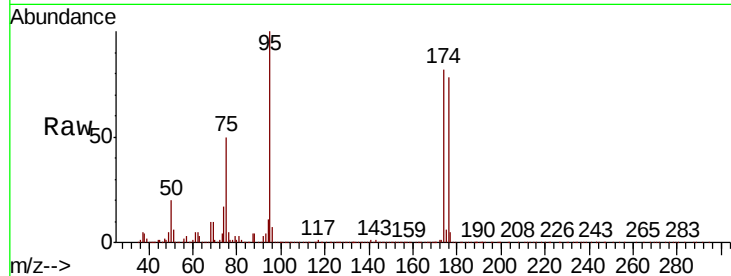




#76
 1,2,3-Trichloropropane
 Concen: 20.704 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014710.D
 Acq: 24 Jan 2020 20:26

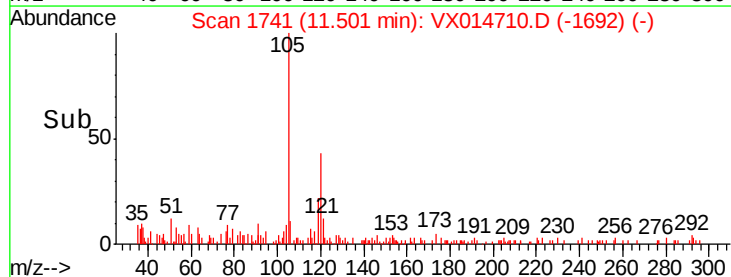
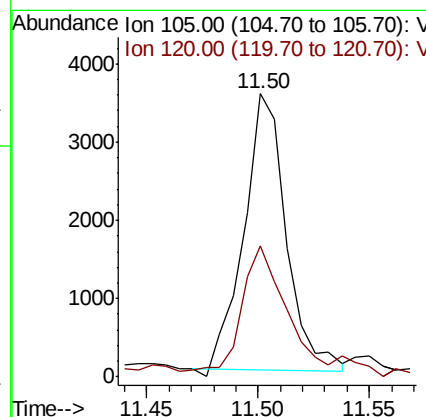
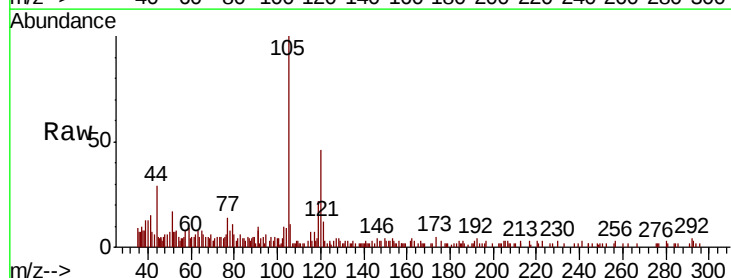
Instrument :
 MSVOA_X
 ClientSampleId :
 PB126303ZHE#11

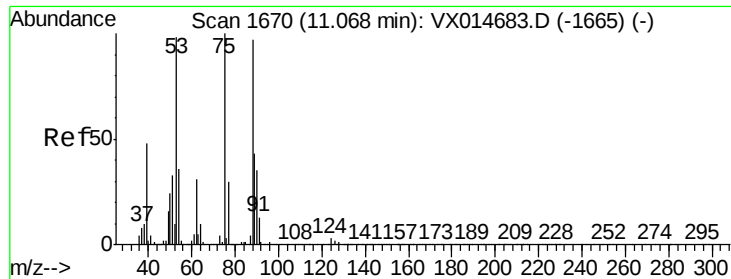
Tot Ion: 75 Resp: 142592
 Ion Ratio Lower Upper
 75 100
 77 1.7 18.7 56.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.269 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014710.D
 Acq: 24 Jan 2020 20:26

Tgt Ion: 105 Resp: 4649
 Ion Ratio Lower Upper
 105 100
 120 44.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 58.920 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014710.D

Acq: 24 Jan 2020 20:26

Instrument :

MSVOA_X

ClientSampleId :

PB126303ZHE#11

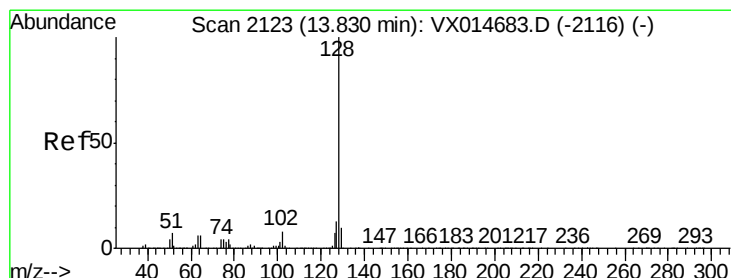
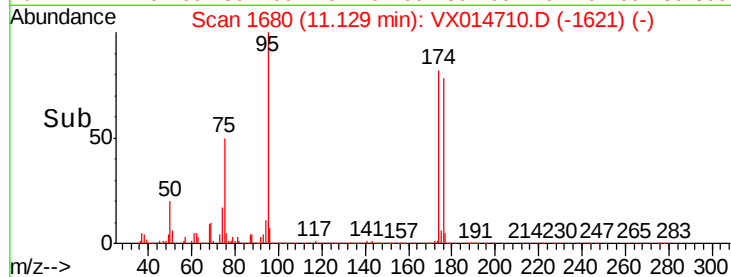
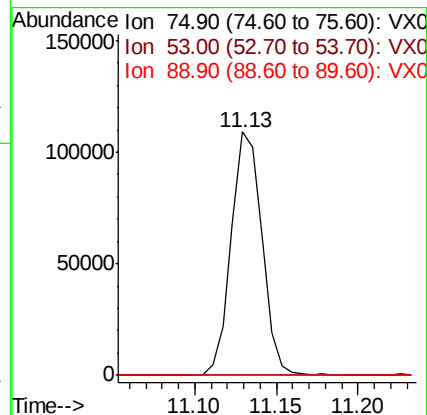
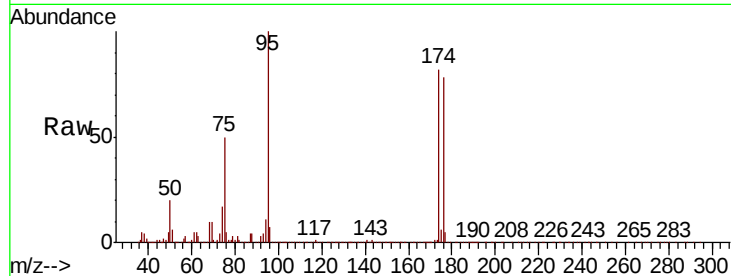
Tot Ion: 75 Resp: 142592

Ion Ratio Lower Upper

75 100

53 0.4 78.8 118.2#

89 0.0 35.4 53.0#



#95

Naphthalene

Concen: 0.964 ug/l

RT: 13.84 min Scan# 2124

Delta R.T. 0.01 min

Lab File: VX014710.D

Acq: 24 Jan 2020 20:26

Tgt Ion: 128 Resp: 691

Ion Ratio Lower Upper

128 100

127 11.7 10.3 15.5

129 60.9 8.6 12.8#

