

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO041620\
 Data File : VX015705.D
 Acq On : 16 Apr 2020 12:37
 Operator : JC/SP
 Sample : L2276-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-TB-20200409

Quant Time: Apr 17 06:45:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1053141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1610759	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1500002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	808265	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	624398	42.04	ug/l	0.00
Spiked Amount						
			Recovery	=	84.08%	
35) Dibromofluoromethane	5.47	113	484128	47.02	ug/l	0.00
Spiked Amount						
			Recovery	=	94.04%	
50) Toluene-d8	8.70	98	1901213	50.15	ug/l	0.00
Spiked Amount						
			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.12	95	785372	50.98	ug/l	0.00
Spiked Amount						
			Recovery	=	101.96%	

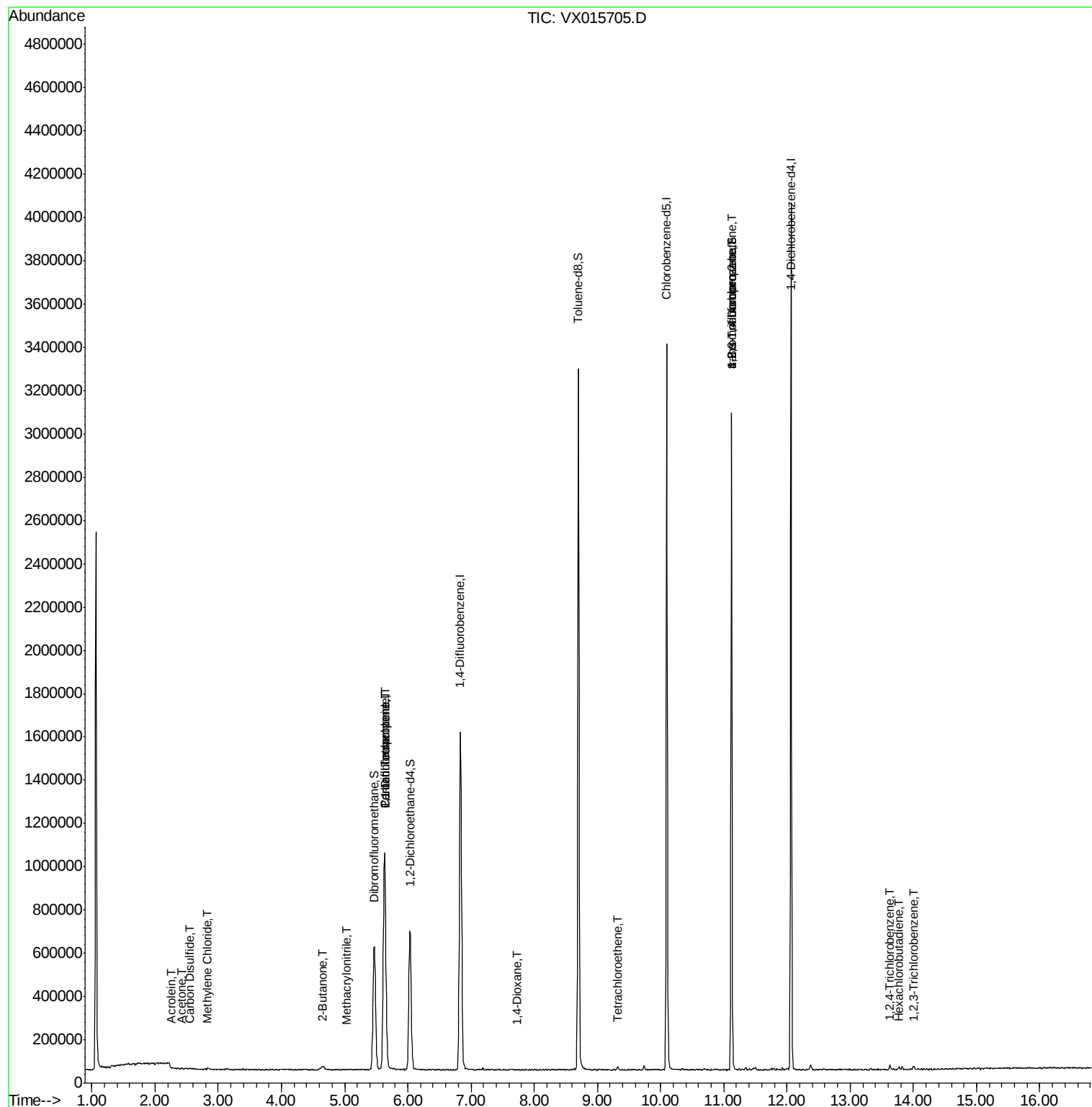
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2691	Below Cal		95
13) Acrolein	2.27	56	2053	1.014	ug/l	86
16) Acetone	2.42	43	3256	0.510	ug/l	90
17) Carbon Disulfide	2.55	76	7275	0.240	ug/l #	80
20) Methylene Chloride	2.83	84	3701	0.311	ug/l #	83
25) 2-Butanone	4.65	43	2449	0.239	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	71966	4.849	ug/l #	52
38) Carbon Tetrachloride	5.64	117	91363	5.684	ug/l #	14
41) Methacrylonitrile	5.03	41	2355	0.220	ug/l #	37
49) 1,4-Dioxane	7.73	88	373	1.227	ug/l #	1
64) Tetrachloroethene	9.32	164	3781	0.334	ug/l #	74
76) 1,2,3-Trichloropropane	11.12	75	391174	23.534	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	391174	56.470	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.63	180	5562	0.284	ug/l	98
94) Hexachlorobutadiene	13.76	225	3302	0.354	ug/l	96
96) 1,2,3-Trichlorobenzene	14.01	180	4806	0.255	ug/l	97

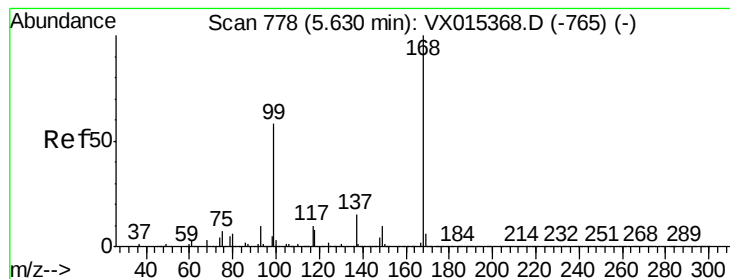
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015705.D

Acq: 16 Apr 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

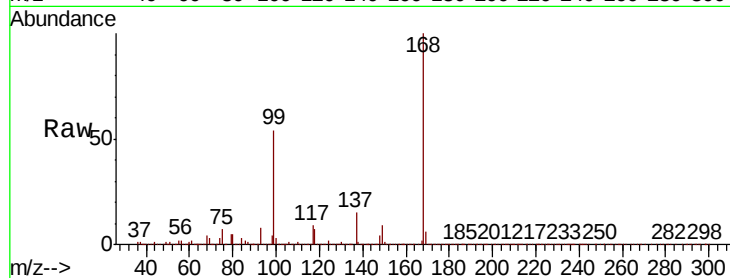
BP-VPB180-TB-20200409

Tot Ion:168 Resp: 1053141

Ion Ratio Lower Upper

168 100

99 53.9 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

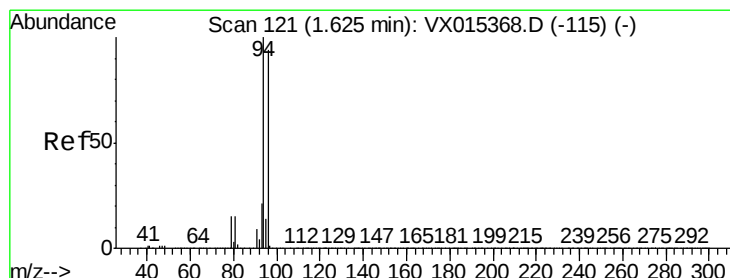
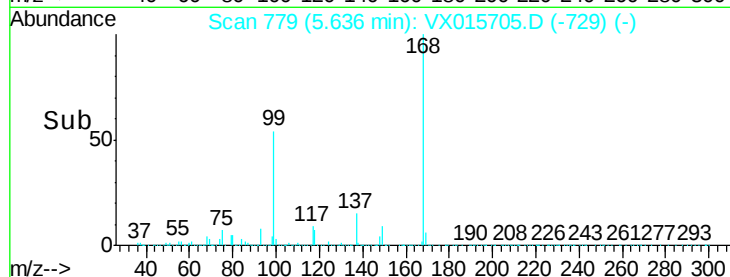
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015705.D

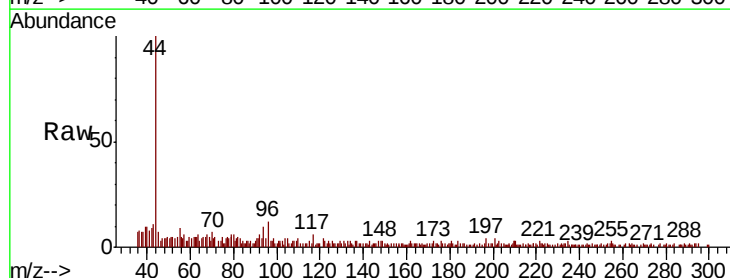
Acq: 16 Apr 2020 12:37

Tgt Ion: 94 Resp: 2691

Ion Ratio Lower Upper

94 100

96 98.0 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

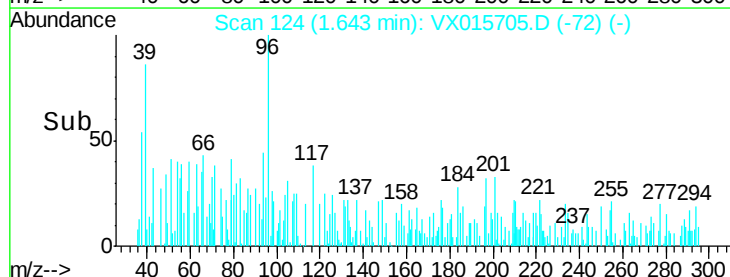
1.64

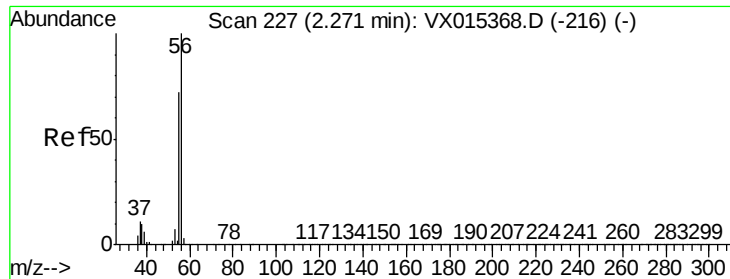
1000

500

0

Time-->

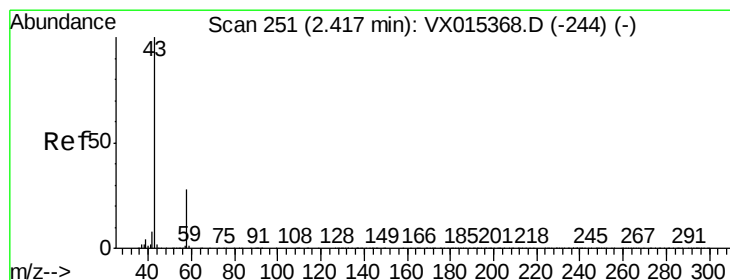
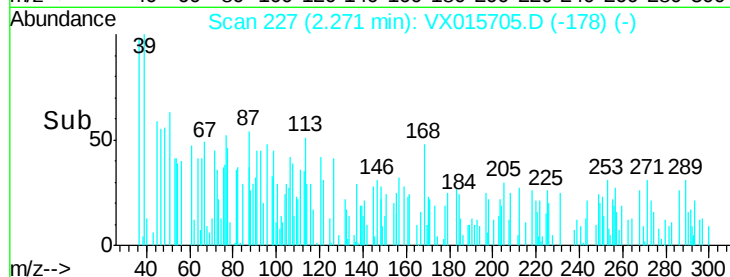
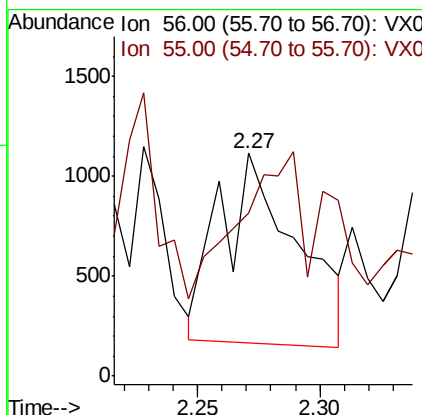
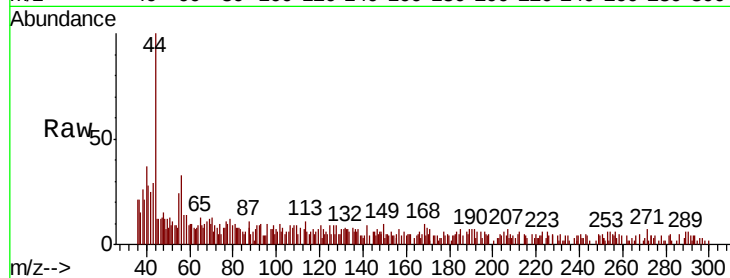




#13
Acrolein
Concen: 1.014 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.00 min
Lab File: VX015705.D
Acq: 16 Apr 2020 12:37

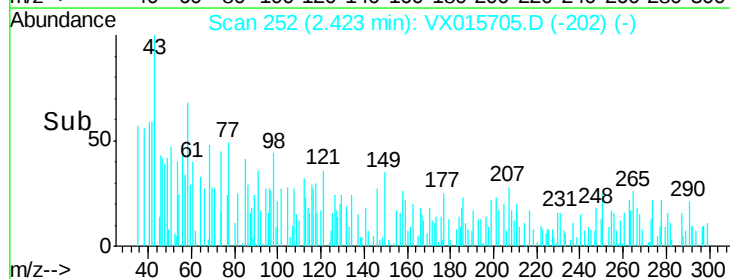
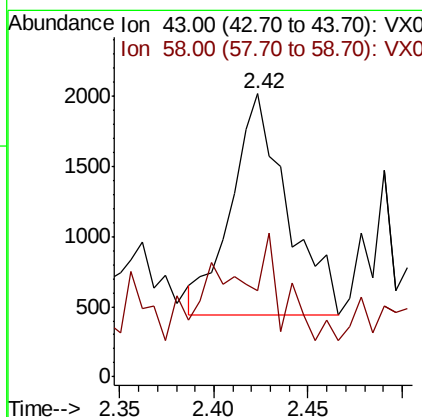
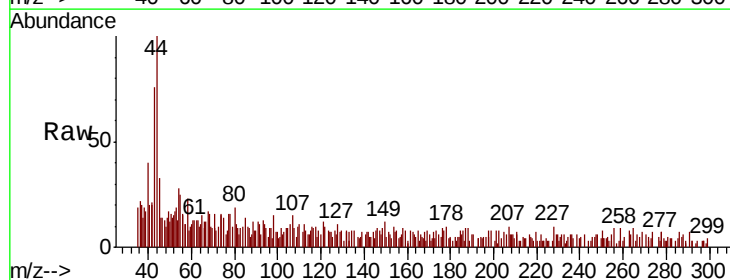
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-TB-20200409

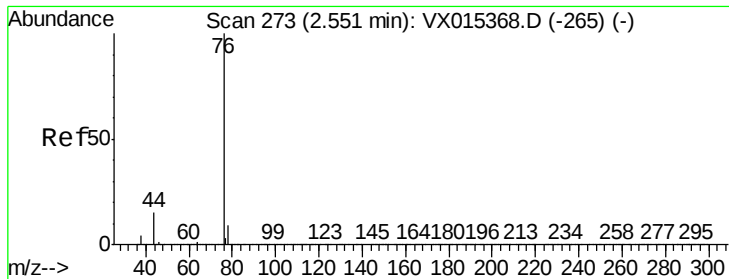
Tot Ion: 56 Resp: 2053
Ion Ratio Lower Upper
56 100
55 59.4 57.0 85.4



#16
Acetone
Concen: 0.510 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015705.D
Acq: 16 Apr 2020 12:37

Tgt Ion: 43 Resp: 3256
Ion Ratio Lower Upper
43 100
58 22.3 22.1 33.1





#17

Carbon Disulfide

Concen: 0.240 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX015705.D

Acq: 16 Apr 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

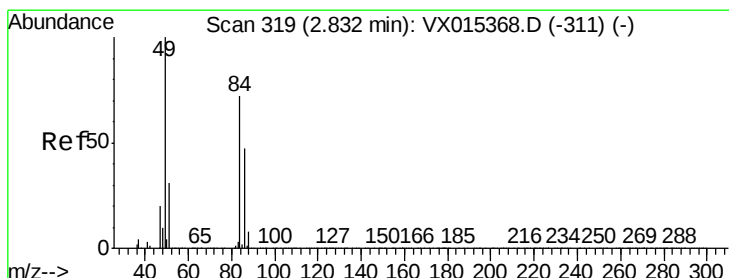
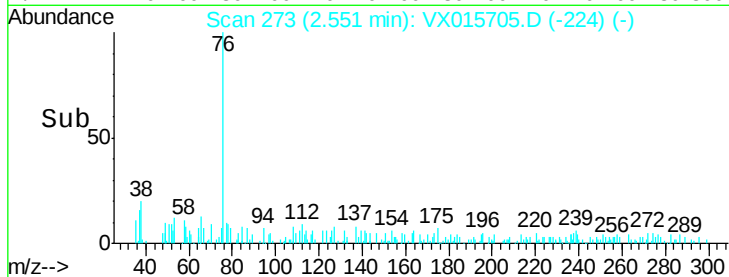
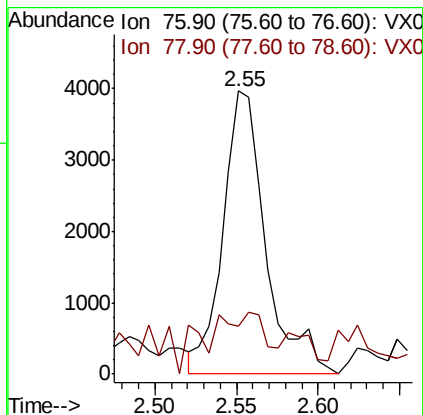
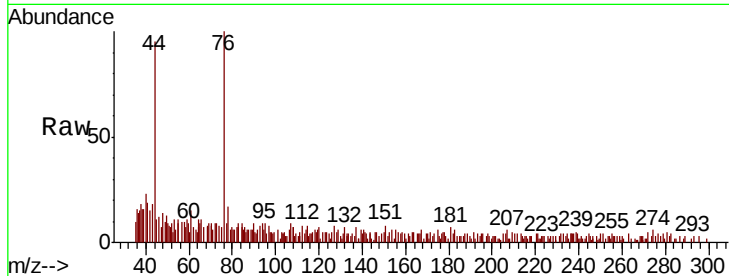
BP-VPB180-TB-20200409

Tot Ion: 76 Resp: 7275

Ion Ratio Lower Upper

76 100

78 1.7 7.1 10.7#



#20

Methylene Chloride

Concen: 0.311 ug/l

RT: 2.83 min Scan# 319

Delta R.T. -0.00 min

Lab File: VX015705.D

Acq: 16 Apr 2020 12:37

Tgt Ion: 84 Resp: 3701

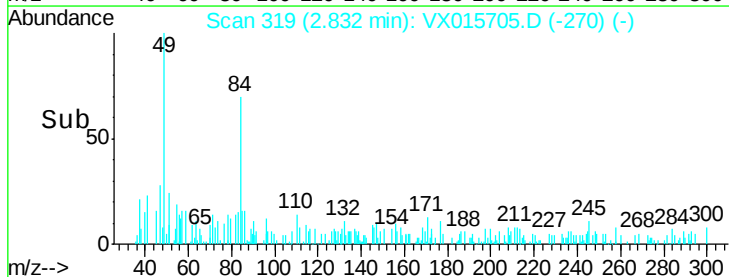
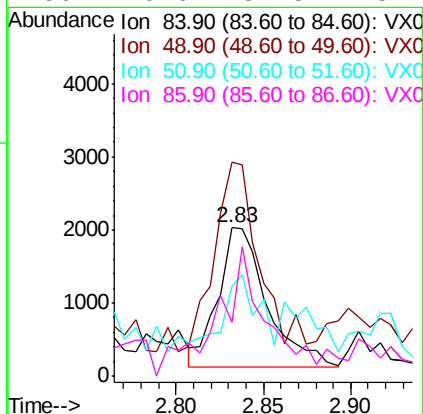
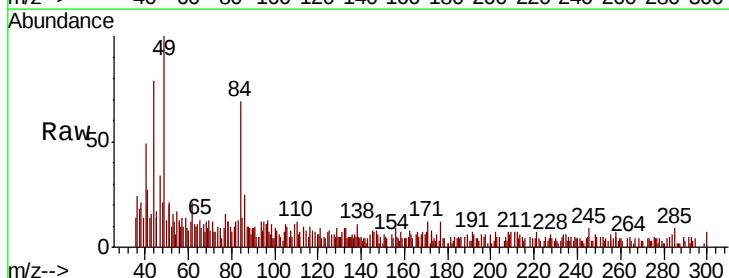
Ion Ratio Lower Upper

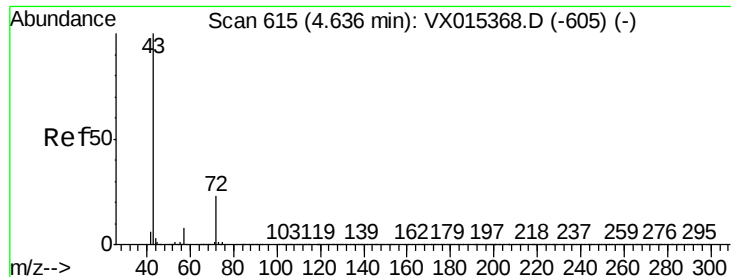
84 100

49 134.0 111.3 166.9

51 46.7 34.0 51.0

86 26.6 52.5 78.7#

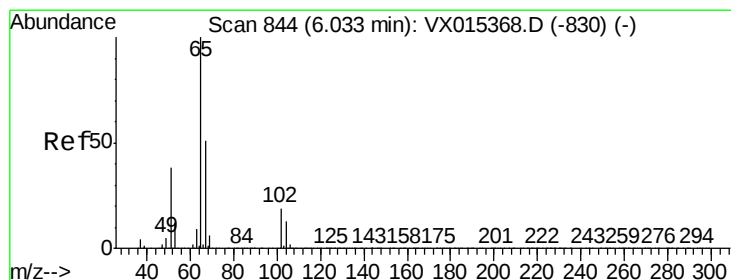
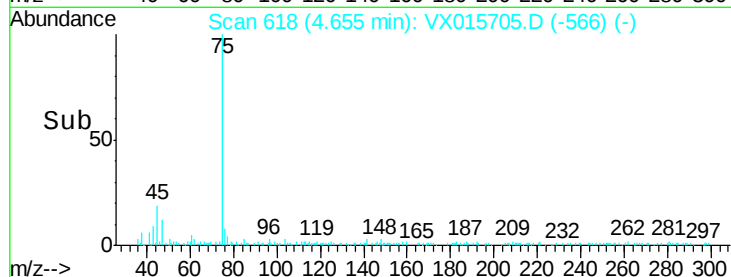
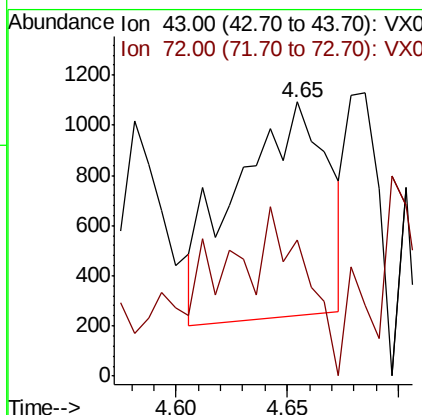
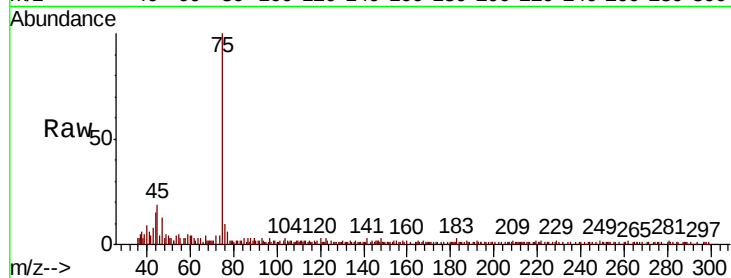




#25
2-Butanone
Concen: 0.239 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015705.D
Acq: 16 Apr 2020 12:37

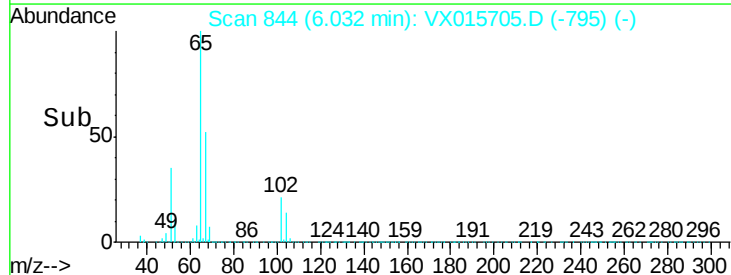
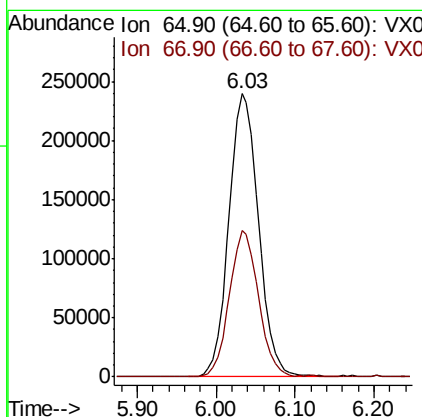
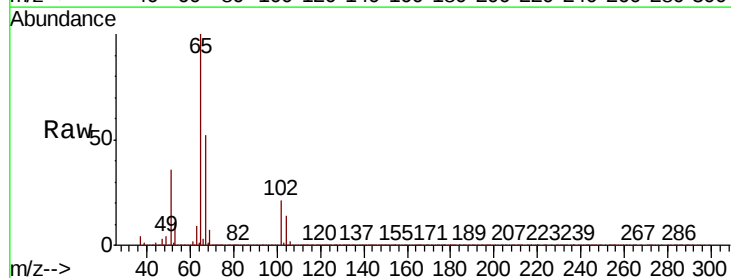
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-TB-20200409

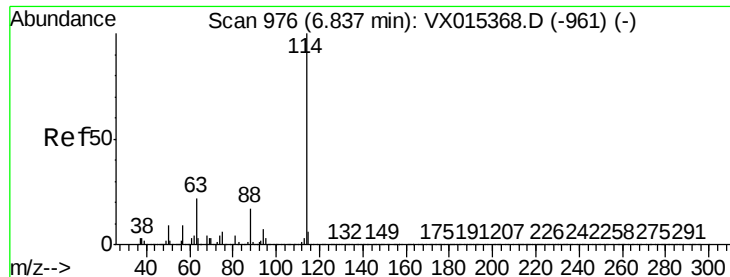
Tot Ion: 43 Resp: 2449
Ion Ratio Lower Upper
43 100
72 90.1 19.0 28.4#



#33
1,2-Dichloroethane-d4
Concen: 42.037 ug/l
RT: 6.03 min Scan# 844
Delta R.T. -0.00 min
Lab File: VX015705.D
Acq: 16 Apr 2020 12:37

Tgt Ion: 65 Resp: 624398
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015705.D

Acq: 16 Apr 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-TB-20200409

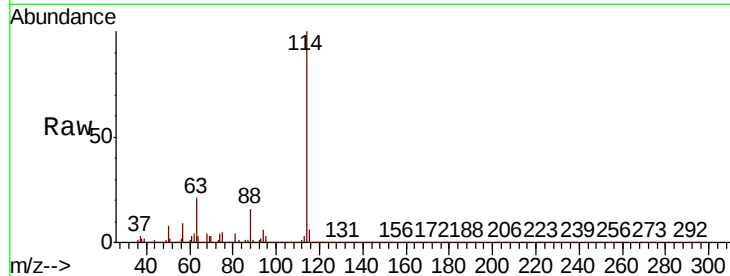
Tot Ion:114 Resp: 1610759

Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.2

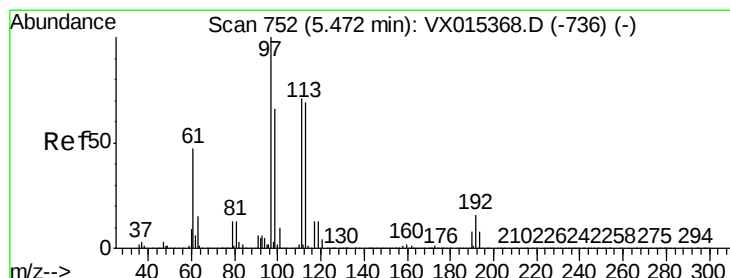
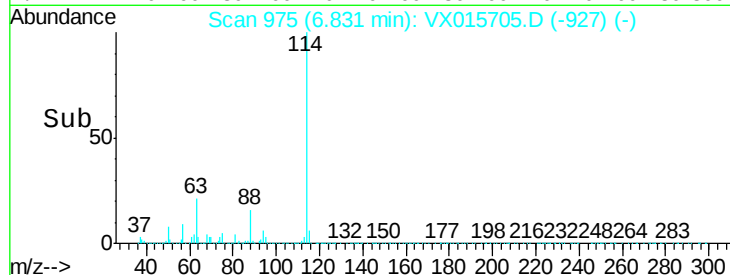
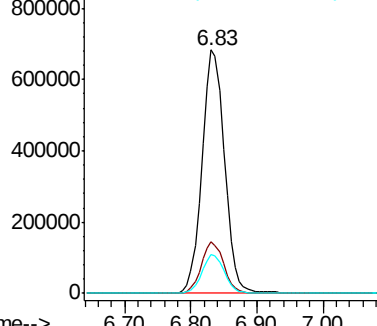
88 16.0 0.0 33.8



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: 47.019 ug/l

RT: 5.47 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX015705.D

Acq: 16 Apr 2020 12:37

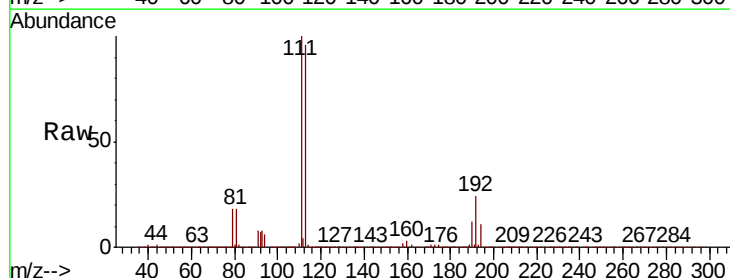
Tgt Ion:113 Resp: 484128

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

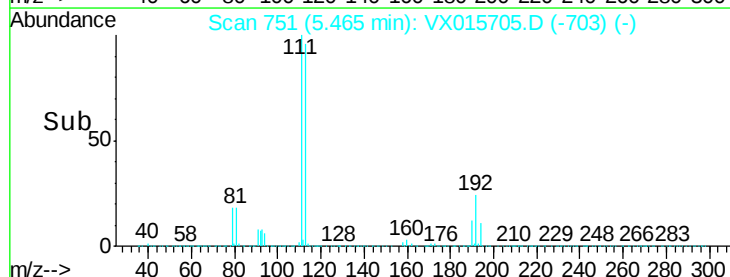
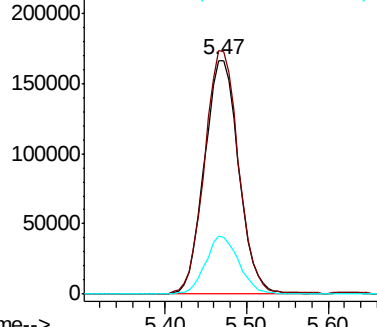
192 23.8 17.8 26.6

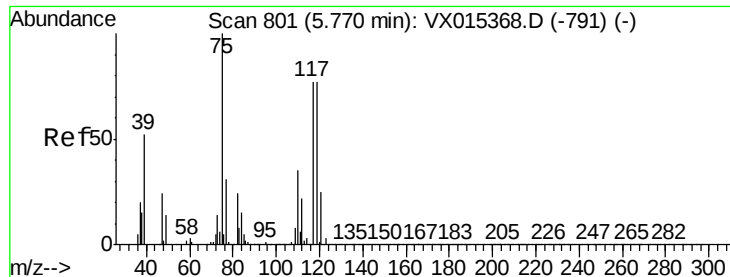


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

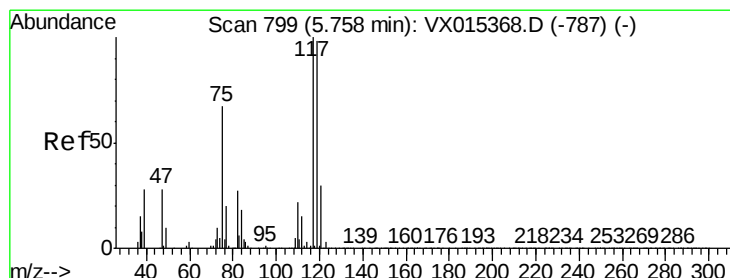
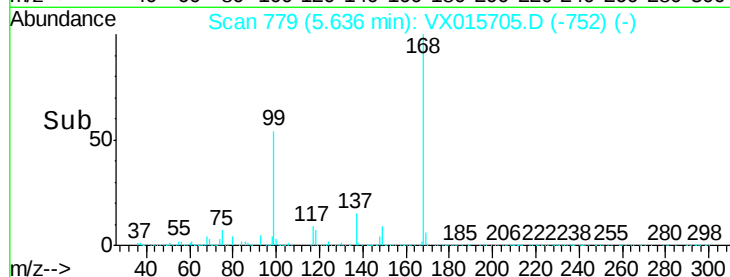
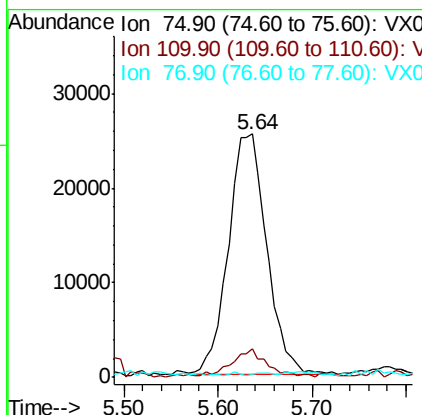
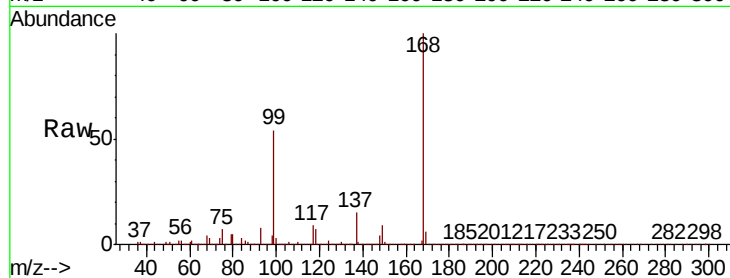




#36
 1,1-Dichloropropene
 Concen: 4.849 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015705.D
 Acq: 16 Apr 2020 12:37

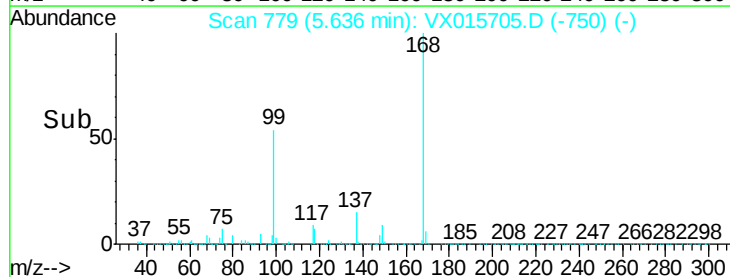
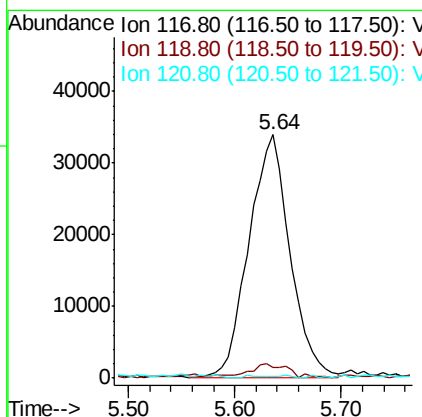
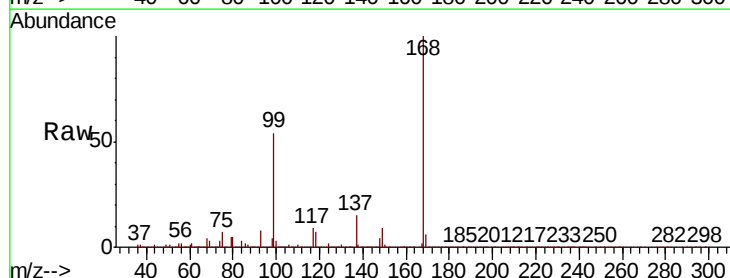
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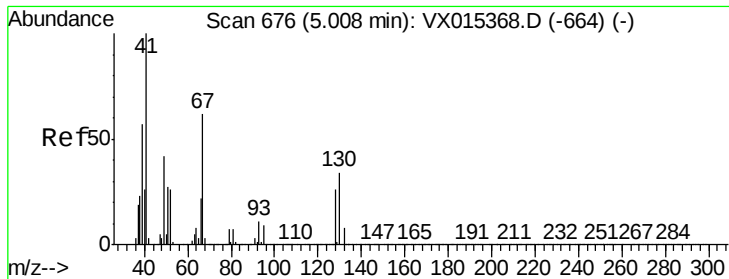
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	17.1	51.3#
77	0.5	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.684 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015705.D
 Acq: 16 Apr 2020 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	78.0	117.0#
121	0.3	23.8	35.8#

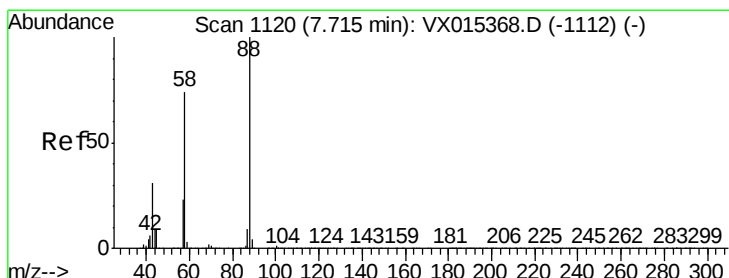
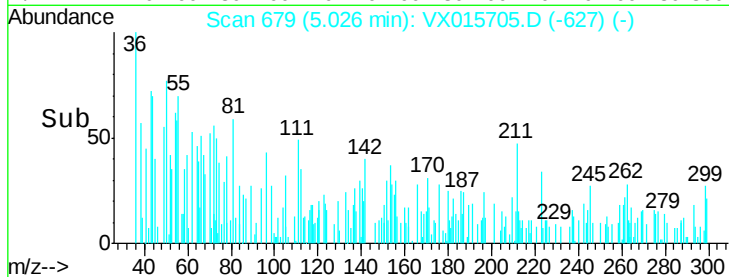
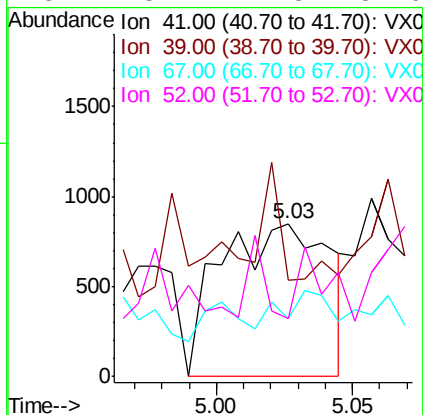
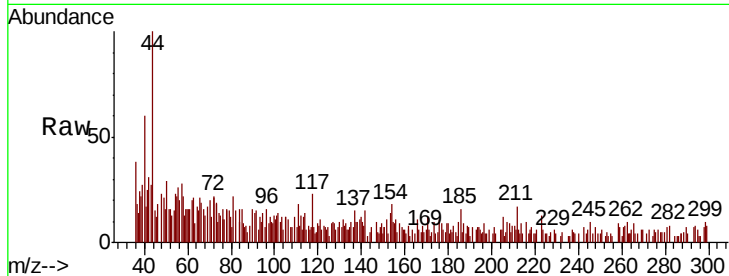




#41
Methacrylonitrile
Concen: 0.220 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.02 min
Lab File: VX015705.D
Acq: 16 Apr 2020 12:37

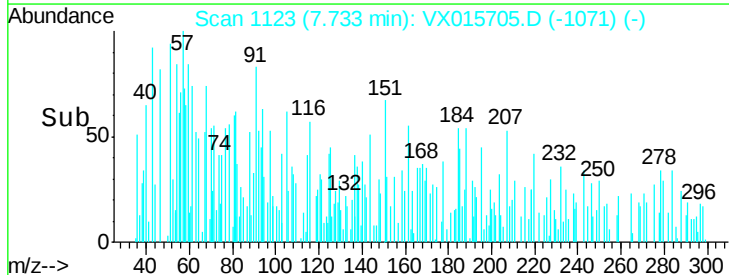
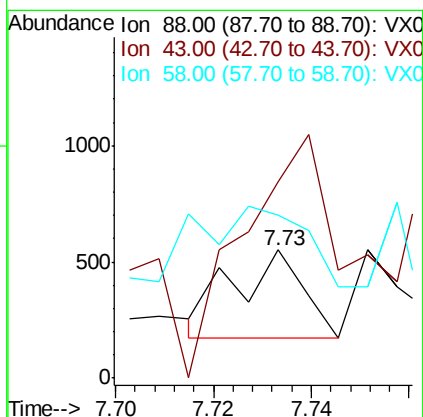
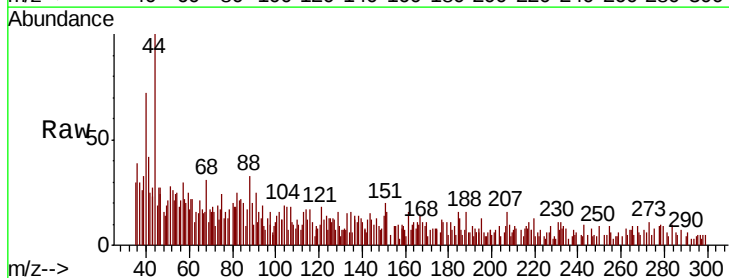
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-TB-20200409

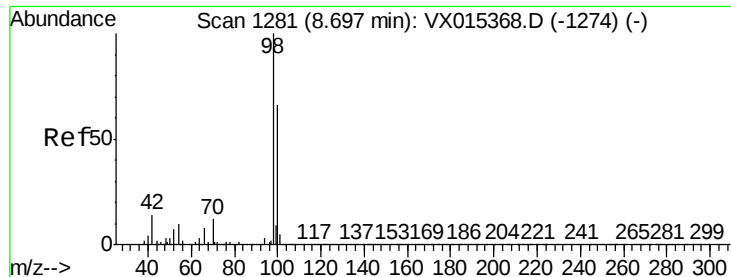
Tot Ion:	41	Resp:	2355
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.5	66.7#
67	10.0	48.9	73.3#
52	13.2	21.8	32.6#



#49
1,4-Dioxane
Concen: 1.227 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.02 min
Lab File: VX015705.D
Acq: 16 Apr 2020 12:37

Tgt Ion:	88	Resp:	373
Ion	Ratio	Lower	Upper
88	100		
43	439.9	30.1	45.1#
58	177.2	60.6	90.8#

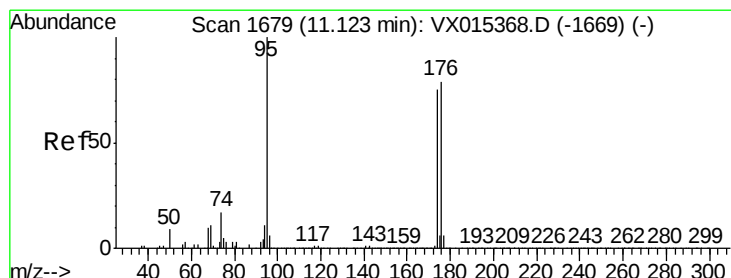
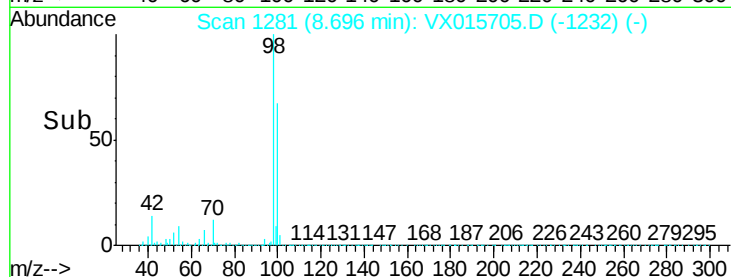
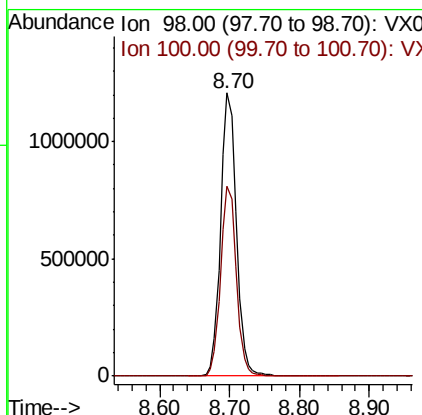
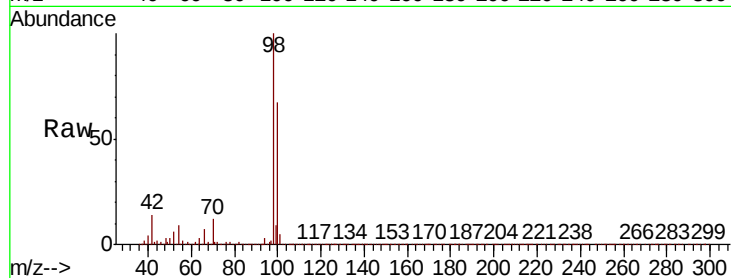




#50
Toluene-d8
Concen: 50.152 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015705.D
Acq: 16 Apr 2020 12:37

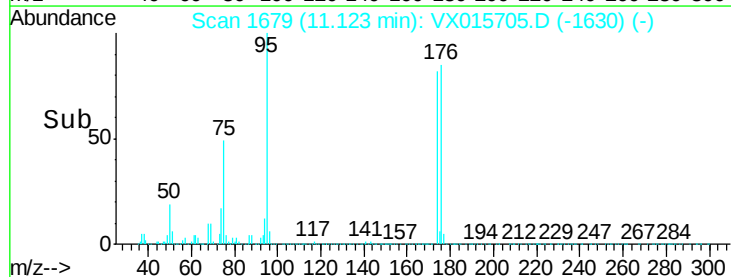
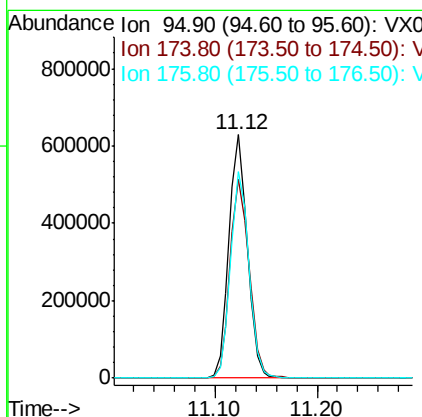
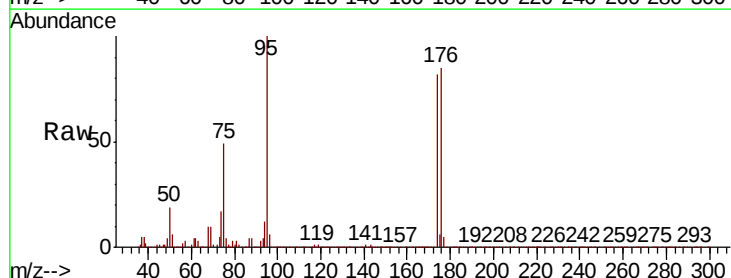
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-TB-20200409

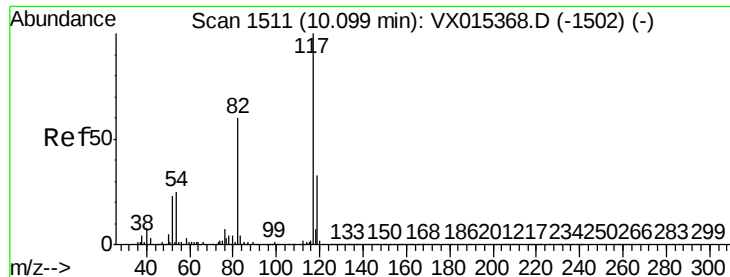
Tot Ion: 98 Resp: 1901213
Ion Ratio Lower Upper
98 100
100 66.9 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 50.978 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015705.D
Acq: 16 Apr 2020 12:37

Tgt Ion: 95 Resp: 785372
Ion Ratio Lower Upper
95 100
174 84.3 0.0 158.6
176 84.4 0.0 159.0

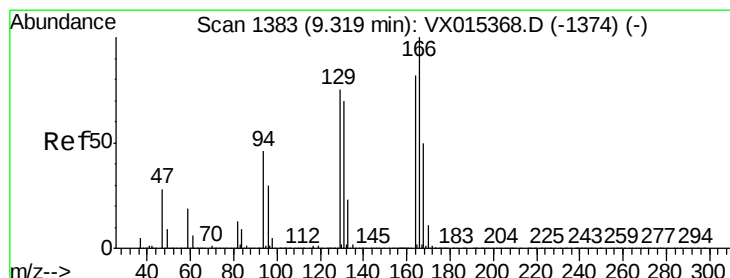
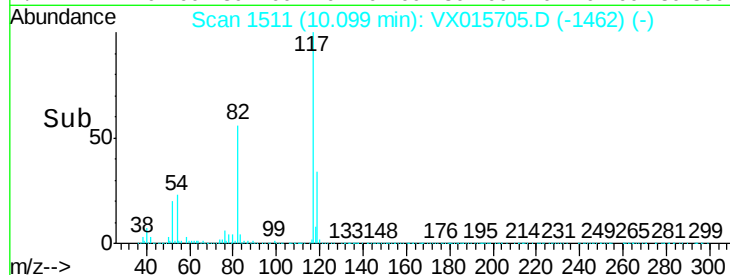
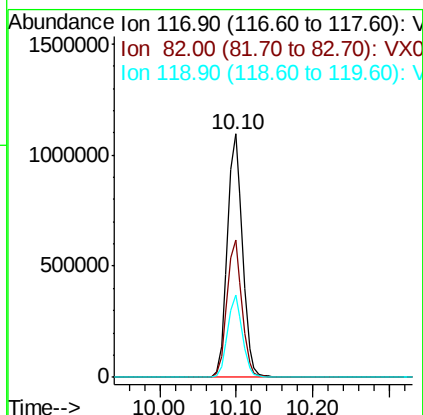
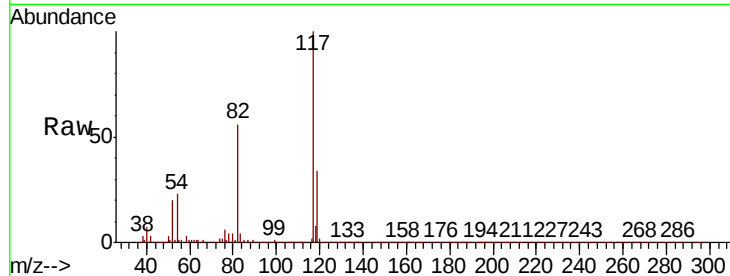




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015705.D
Acq: 16 Apr 2020 12:37

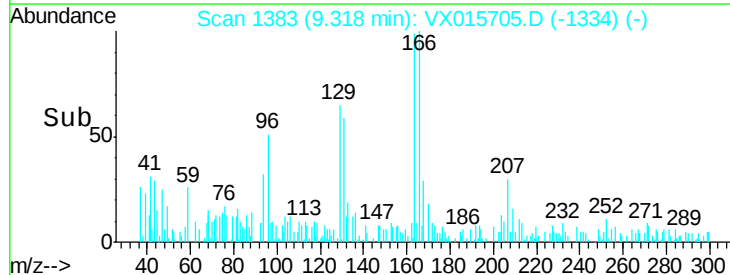
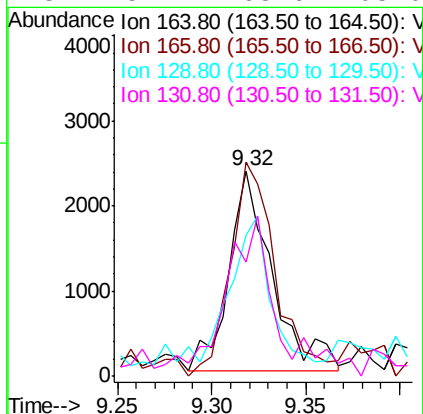
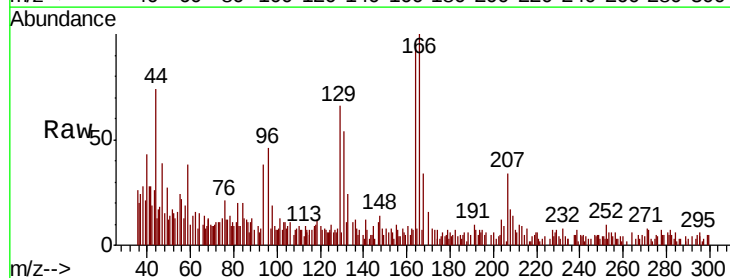
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-TB-20200409

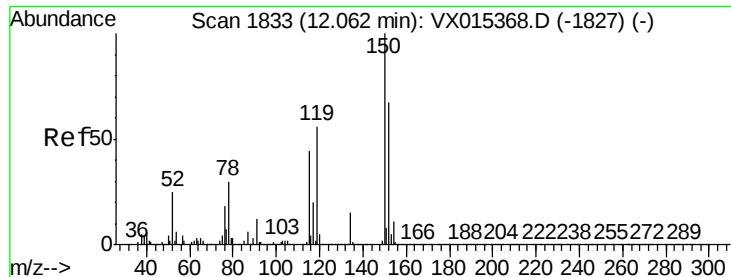
Tot Ion:117 Resp: 1500002
Ion Ratio Lower Upper
117 100
82 56.2 47.8 71.8
119 33.9 26.8 40.2



#64
Tetrachloroethene
Concen: 0.334 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015705.D
Acq: 16 Apr 2020 12:37

Tgt Ion:164 Resp: 3781
Ion Ratio Lower Upper
164 100
166 109.8 97.8 146.6
129 57.1 73.0 109.4#
131 52.1 68.6 103.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015705.D

Acq: 16 Apr 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-TB-20200409

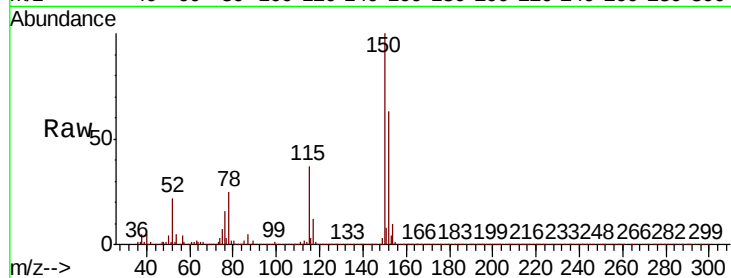
Tot Ion:152 Resp: 808265

Ion Ratio Lower Upper

152 100

115 57.3 39.0 116.9

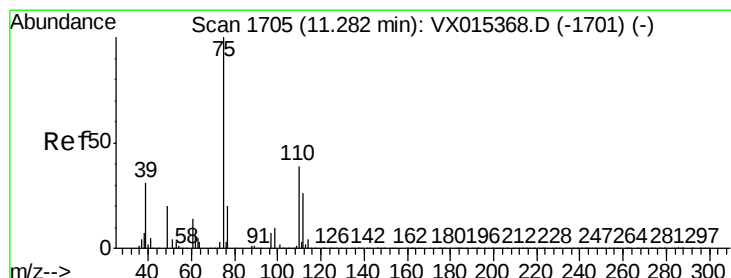
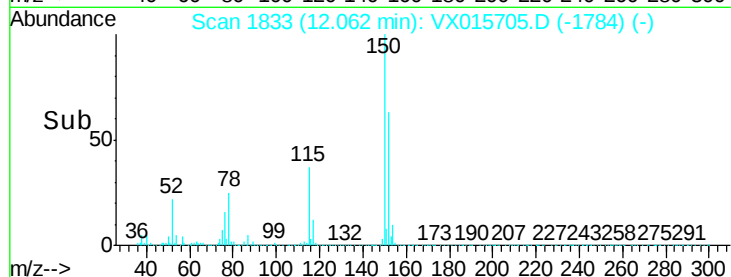
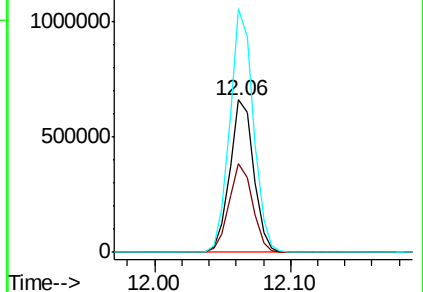
150 156.6 0.0 340.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.534 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015705.D

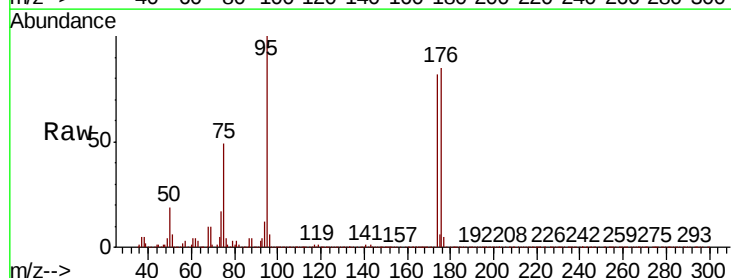
Acq: 16 Apr 2020 12:37

Tgt Ion: 75 Resp: 391174

Ion Ratio Lower Upper

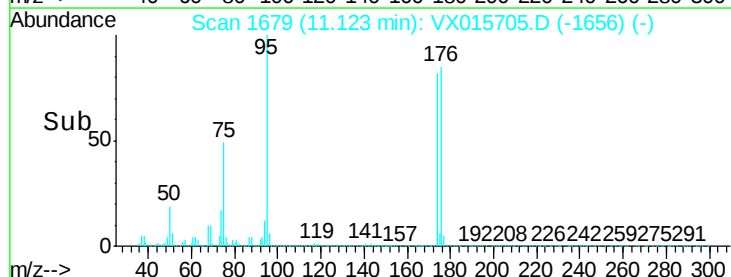
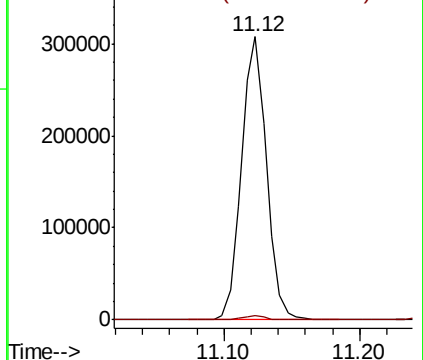
75 100

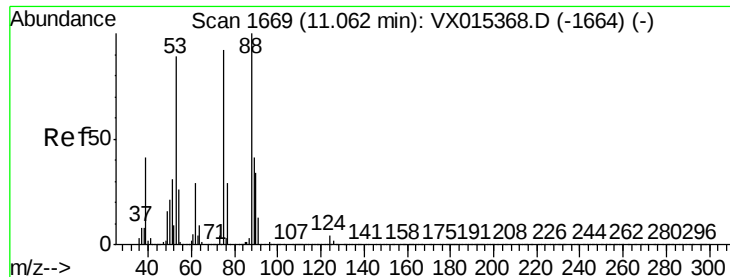
77 1.3 21.2 63.6#



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: 56.470 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015705.D

Acq: 16 Apr 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-TB-20200409

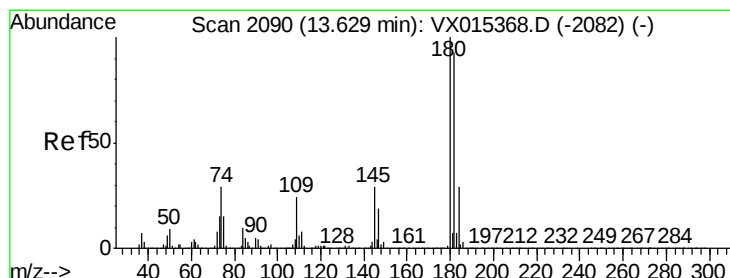
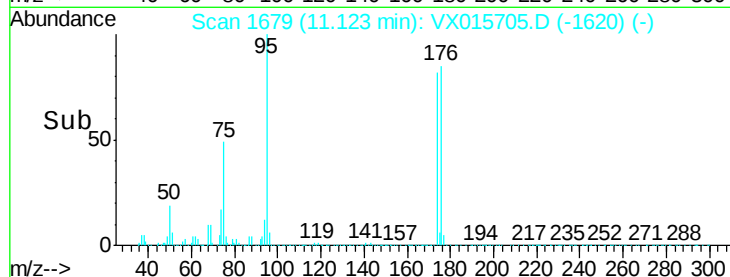
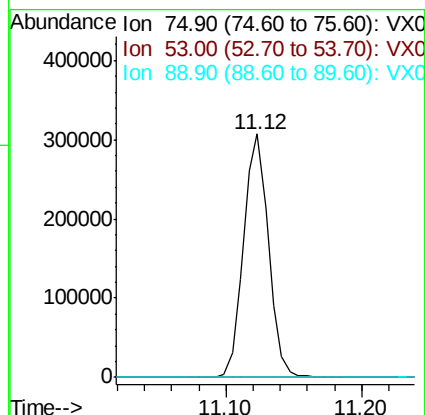
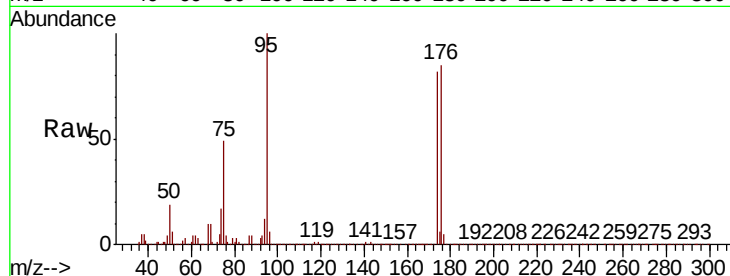
Tot Ion: 75 Resp: 391174

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.2 36.1 54.1#



#93

1,2,4-Trichlorobenzene

Concen: 0.284 ug/l

RT: 13.63 min Scan# 2090

Delta R.T. -0.00 min

Lab File: VX015705.D

Acq: 16 Apr 2020 12:37

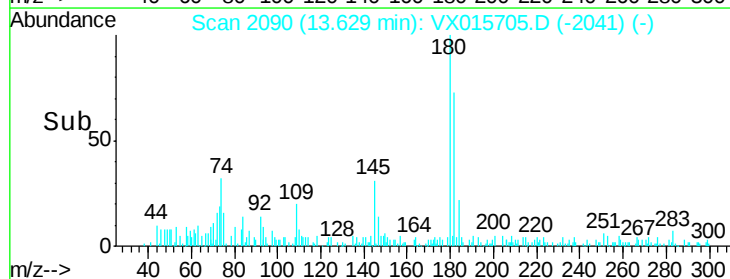
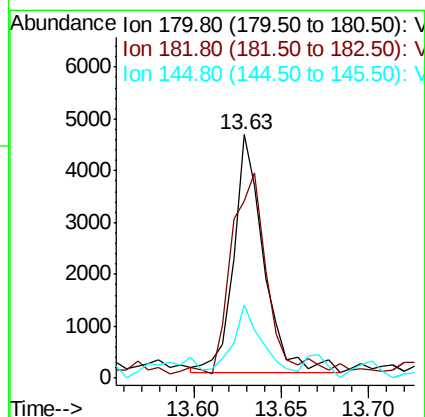
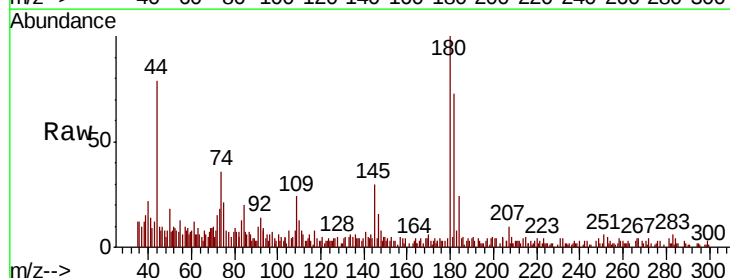
Tgt Ion:180 Resp: 5562

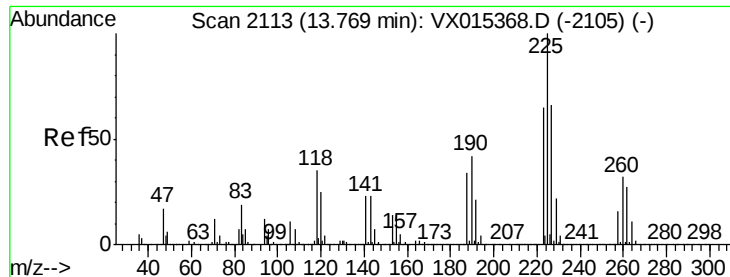
Ion Ratio Lower Upper

180 100

182 94.1 46.9 140.7

145 25.8 14.9 44.5





#94

Hexachlorobutadiene

Concen: 0.354 ug/l

RT: 13.76 min Scan# 2112

Delta R.T. -0.01 min

Lab File: VX015705.D

Acq: 16 Apr 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-TB-20200409

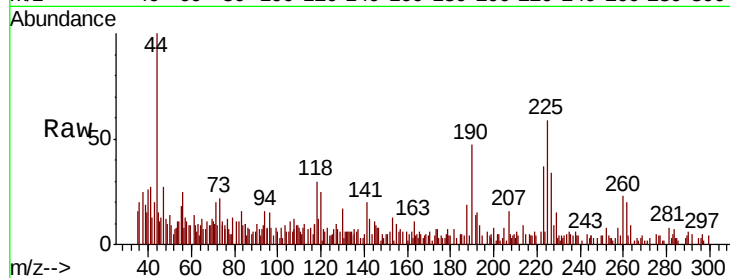
Tot Ion:225 Resp: 3302

Ion Ratio Lower Upper

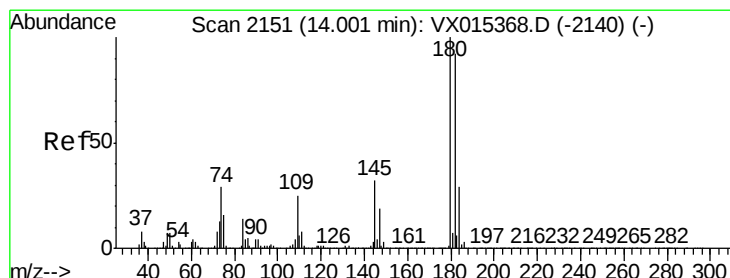
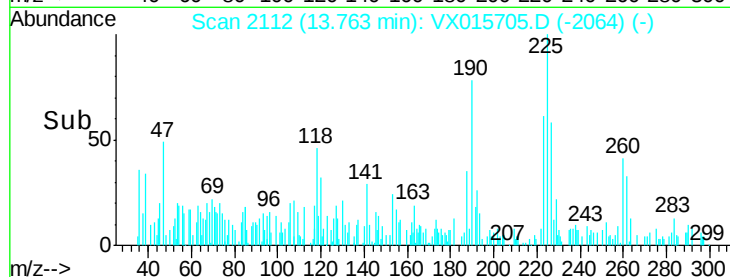
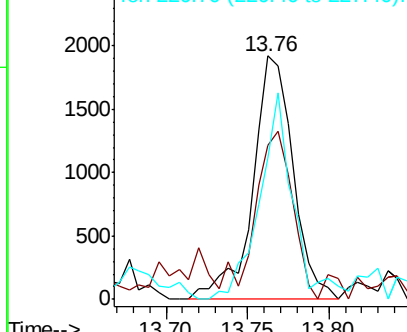
225 100

223 64.4 31.9 95.7

227 66.7 30.4 91.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96

1,2,3-Trichlorobenzene

Concen: 0.255 ug/l

RT: 14.01 min Scan# 2152

Delta R.T. 0.01 min

Lab File: VX015705.D

Acq: 16 Apr 2020 12:37

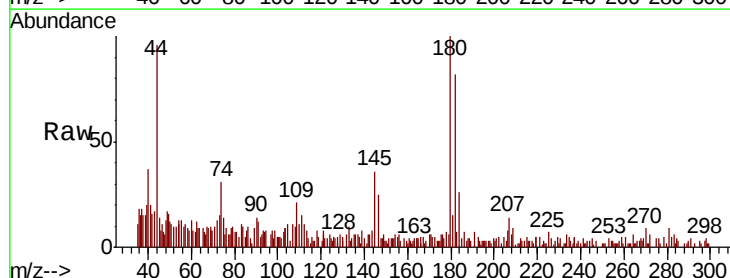
Tgt Ion:180 Resp: 4806

Ion Ratio Lower Upper

180 100

182 93.4 46.7 140.0

145 38.6 15.8 47.3



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

