

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009807.D
 Acq On : 22 May 2019 16:20
 Operator : JC/SP
 Sample : K2994-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7

Quant Time: May 23 07:17:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	171634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	276543	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107049	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	117669	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
35) Dibromofluoromethane	5.50	113	86138	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	8.71	98	349855	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.13	95	116125	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	

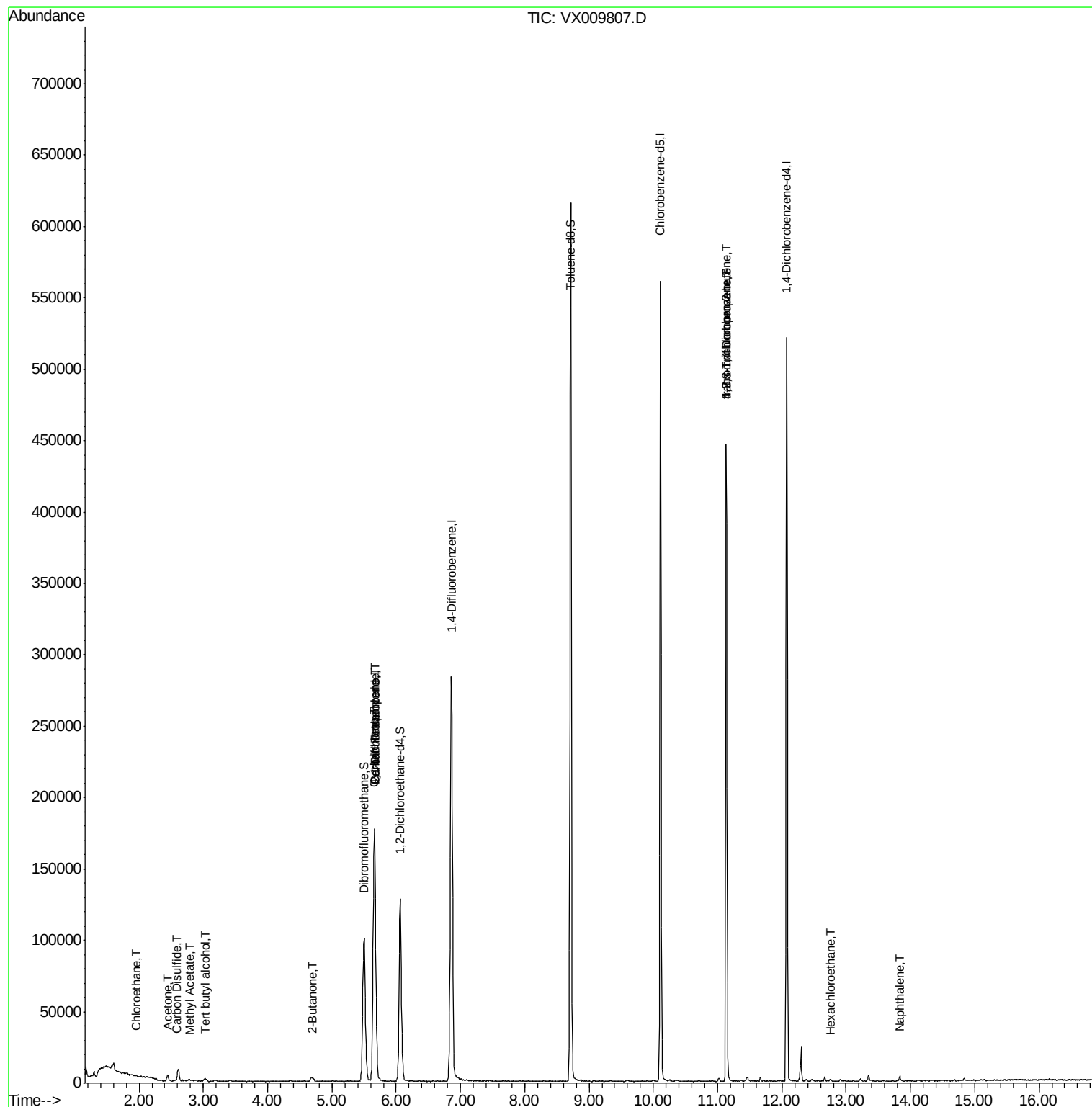
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.96	64	406	0.300	ug/l #	55
11) Tert butyl alcohol	3.03	59	1709	3.151	ug/l #	83
16) Acetone	2.45	43	5074	4.033	ug/l	98
17) Carbon Disulfide	2.58	76	1290	0.285	ug/l #	89
18) Methyl Acetate	2.78	43	1441	0.482	ug/l #	89
25) 2-Butanone	4.68	43	1377	0.704	ug/l #	80
28) Bromochloromethane	5.03	49	87	Below Cal	#	20
31) Cyclohexane	5.65	56	4125	1.191	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13511	5.257	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16228	6.950	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	60794	24.483	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60794	62.642	ug/l #	10
90) Hexachloroethane	12.76	117	449	0.388	ug/l #	7
95) Naphthalene	13.83	128	1784	0.229	ug/l	98

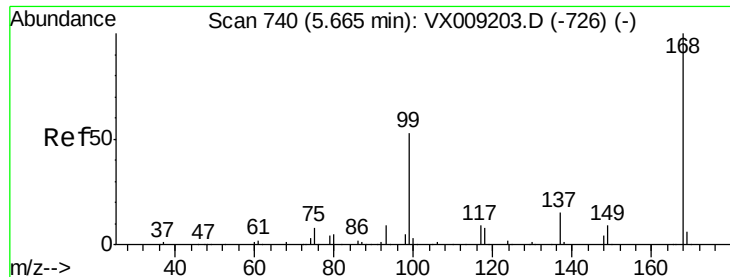
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009807.D

Acq: 22 May 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

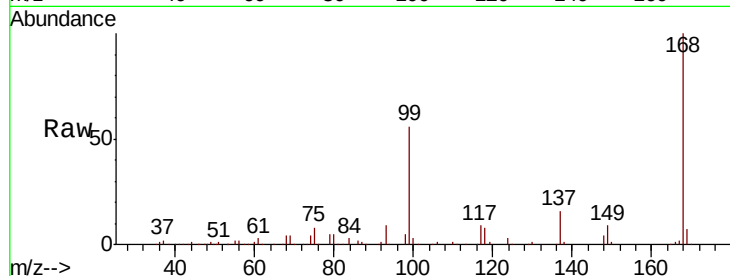
TP-7

Tot Ion:168 Resp: 171634

Ion Ratio Lower Upper

168 100

99 55.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

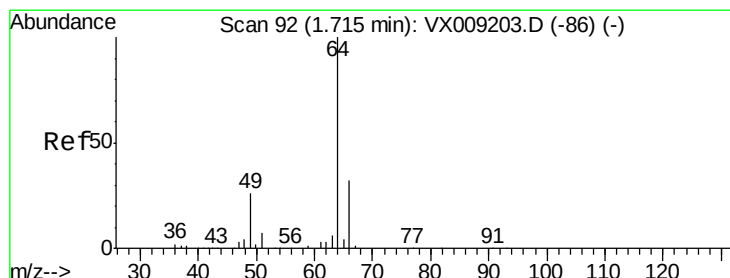
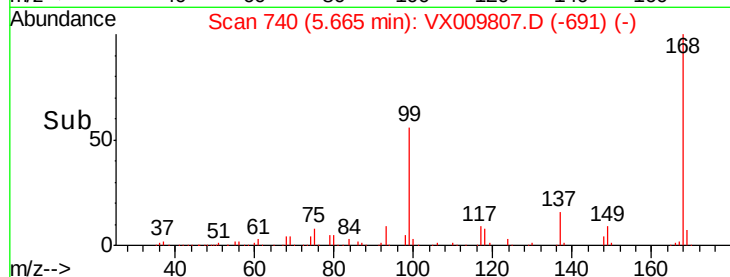
40000

20000

0

5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: 0.300 ug/l

RT: 1.96 min Scan# 133

Delta R.T. 0.25 min

Lab File: VX009807.D

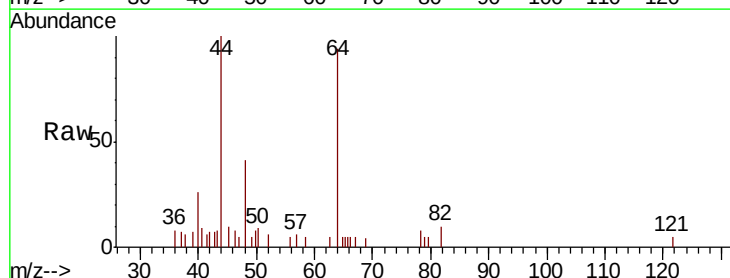
Acq: 22 May 2019 16:20

Tgt Ion: 64 Resp: 406

Ion Ratio Lower Upper

64 100

66 6.8 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.96

1200

1000

800

600

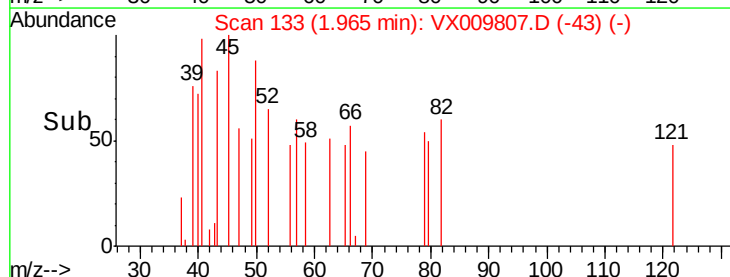
400

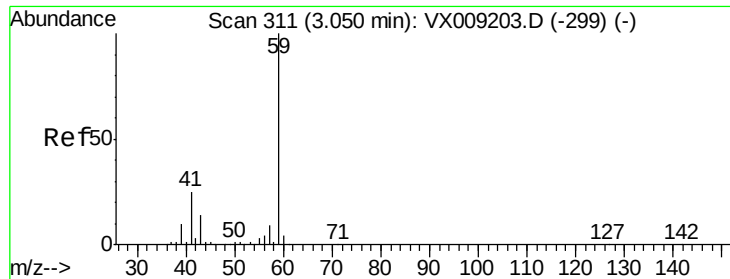
200

0

1.94 1.96 1.98 2.00

Time-->

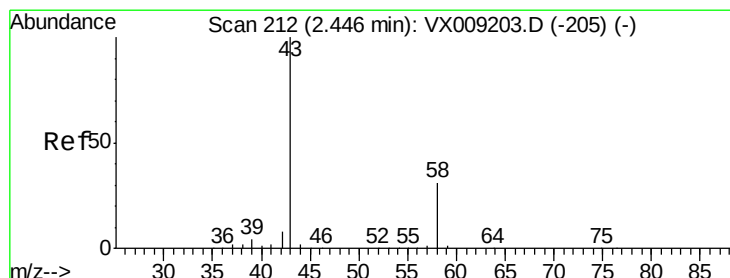
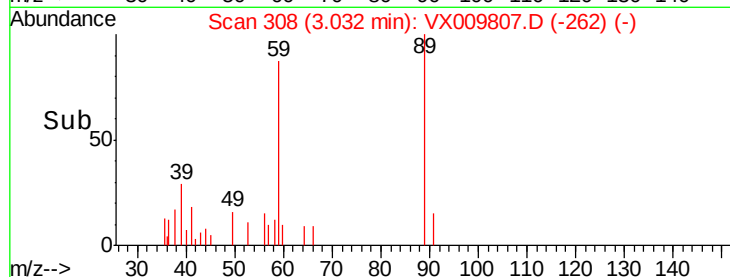
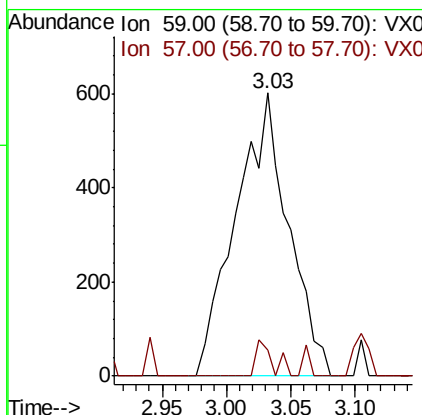
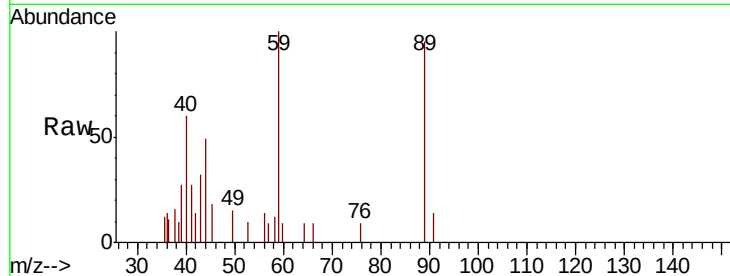




#11
Tert butyl alcohol
Concen: 3.151 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009807.D
Acq: 22 May 2019 16:20

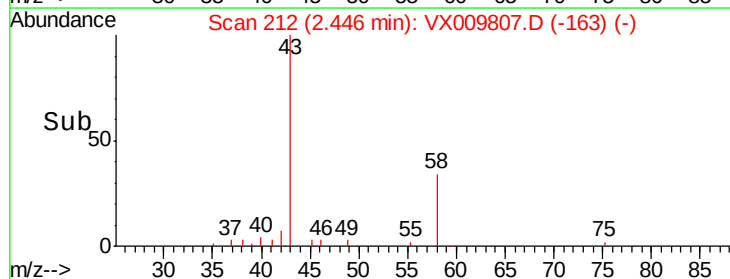
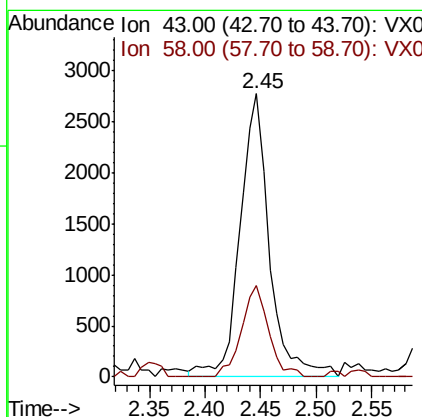
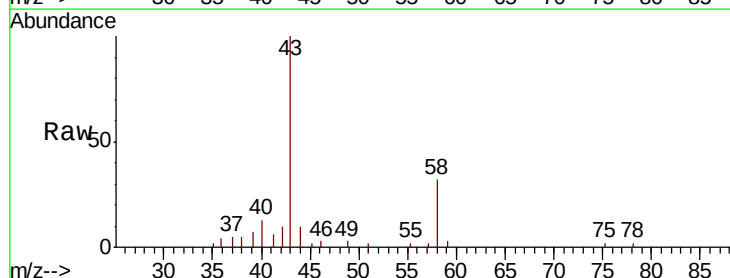
Instrument :
MSVOA_X
ClientSampleId :
TP-7

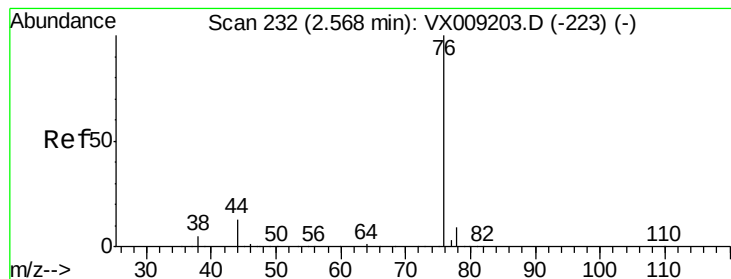
Tot Ion: 59 Resp: 1709
Ion Ratio Lower Upper
59 100
57 3.9 8.2 12.2#



#16
Acetone
Concen: 4.033 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009807.D
Acq: 22 May 2019 16:20

Tgt Ion: 43 Resp: 5074
Ion Ratio Lower Upper
43 100
58 32.2 24.9 37.3





#17

Carbon Disulfide

Concen: 0.285 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX009807.D

Acq: 22 May 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

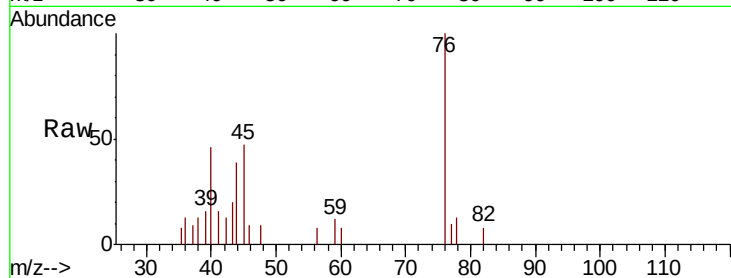
TP-7

Tot Ion: 76 Resp: 1290

Ion Ratio Lower Upper

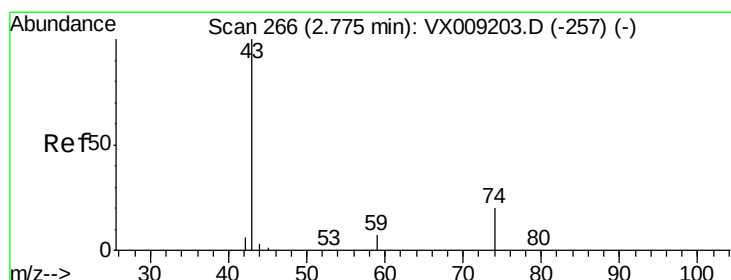
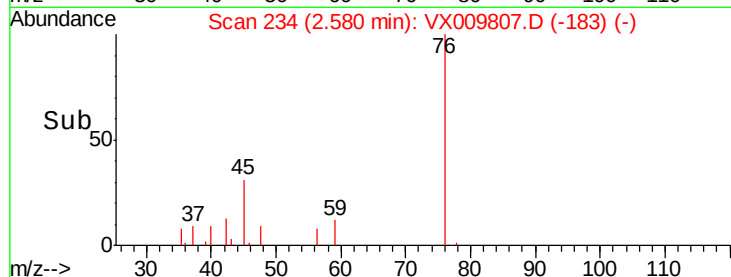
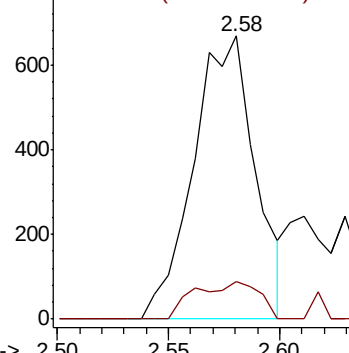
76 100

78 13.2 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.482 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX009807.D

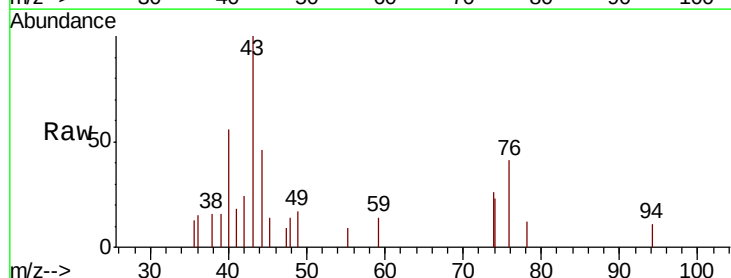
Acq: 22 May 2019 16:20

Tgt Ion: 43 Resp: 1441

Ion Ratio Lower Upper

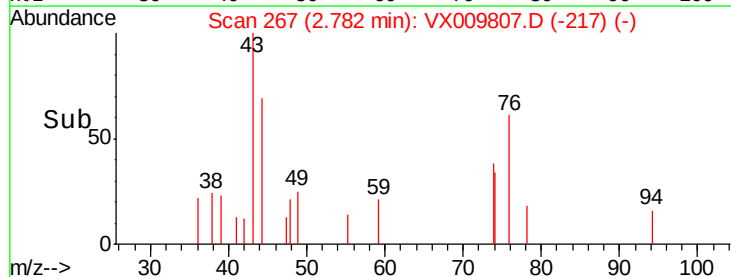
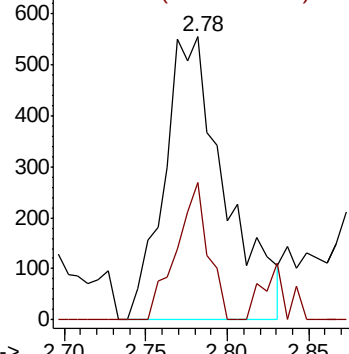
43 100

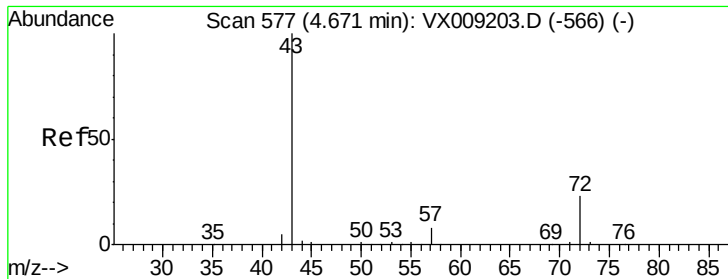
74 25.5 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.704 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009807.D

Acq: 22 May 2019 16:20

Instrument :

MSVOA_X

ClientSampled :

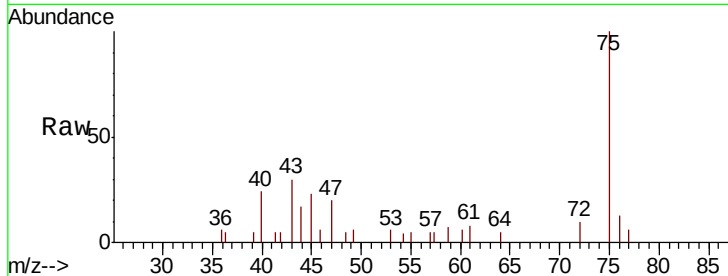
TP-7

Tot Ion: 43 Resp: 1377

Ion Ratio Lower Upper

43 100

72 32.5 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

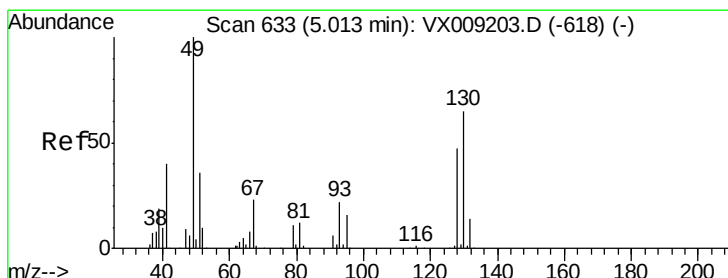
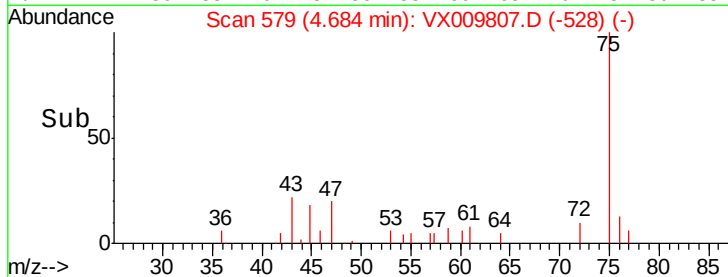
300

200

100

0

Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX009807.D

Acq: 22 May 2019 16:20

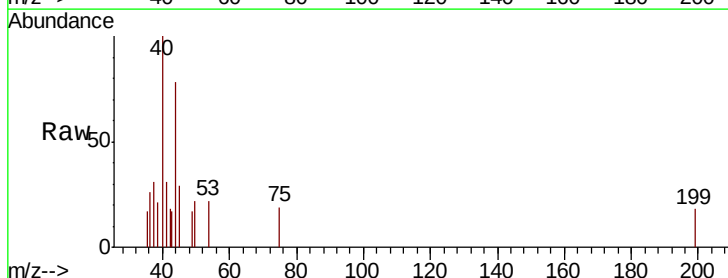
Tgt Ion: 49 Resp: 87

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

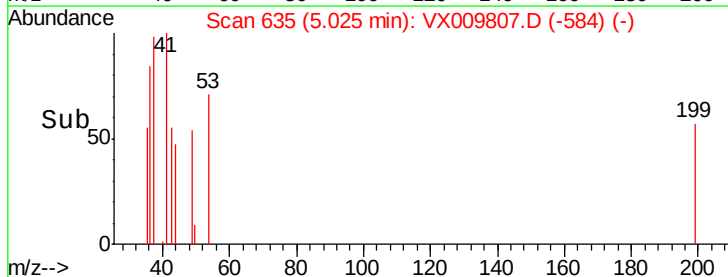
150

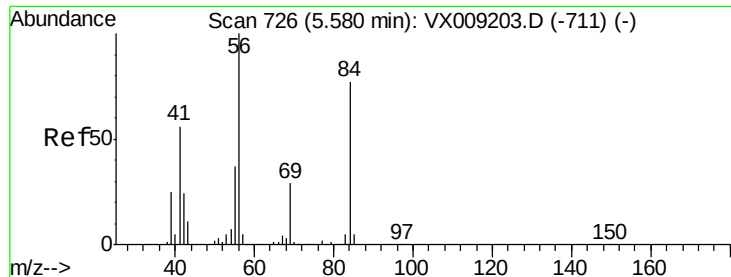
100

50

0

Time-->

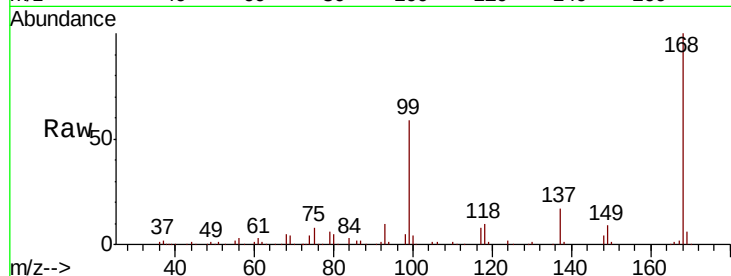




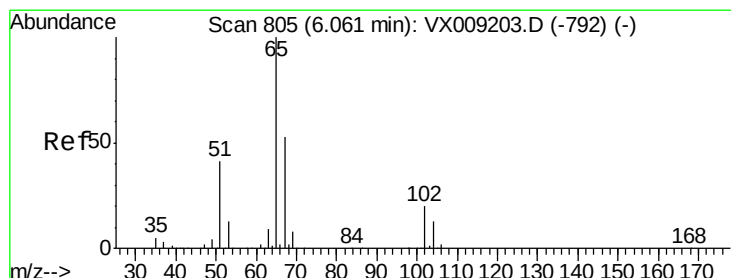
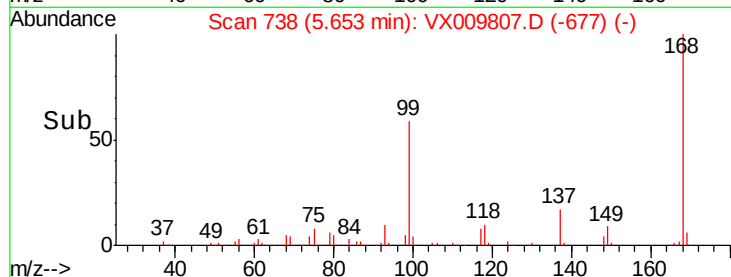
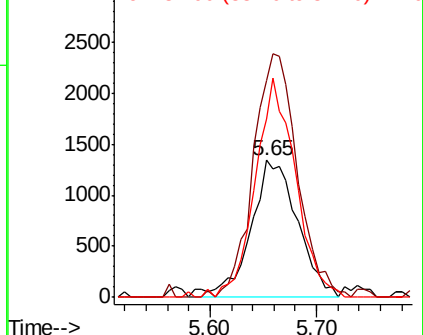
#31
Cyclohexane
Concen: 1.191 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009807.D
Acq: 22 May 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
TP-7

Tot Ion: 56 Resp: 4125
Ion Ratio Lower Upper
56 100
69 158.5 23.4 35.0#
84 126.6 61.9 92.9#

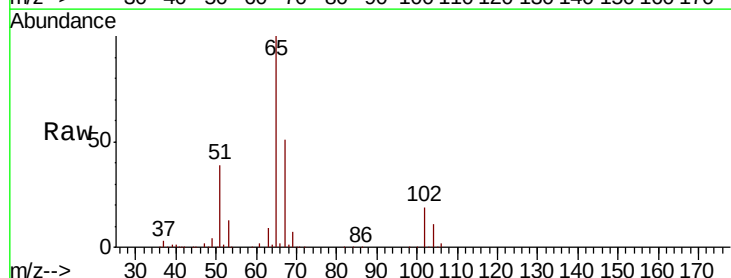


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

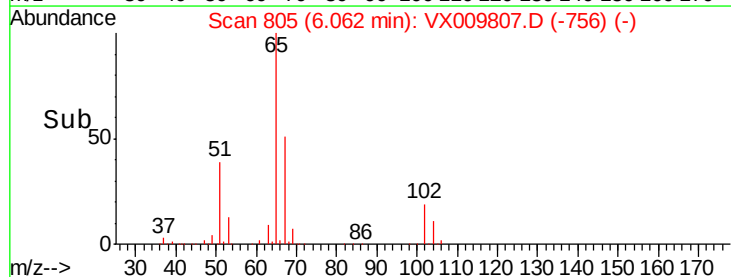
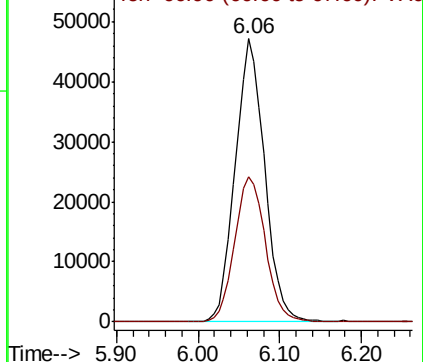


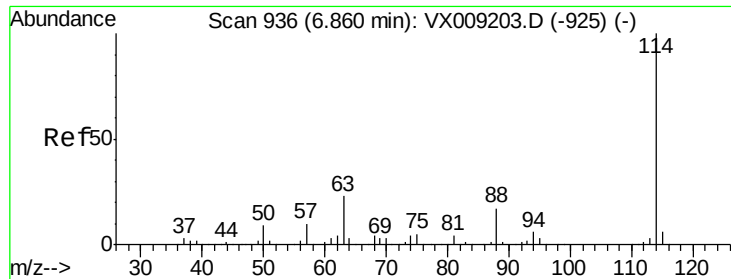
#33
1,2-Dichloroethane-d4
Concen: 50.221 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009807.D
Acq: 22 May 2019 16:20

Tgt Ion: 65 Resp: 117669
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

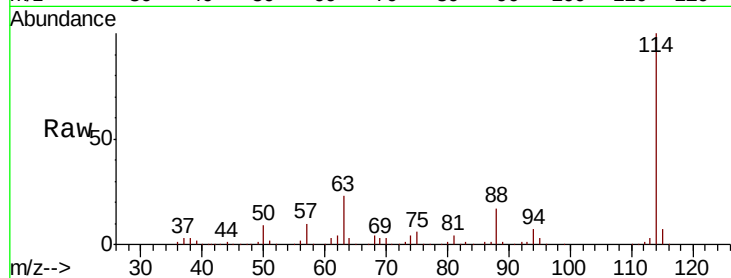




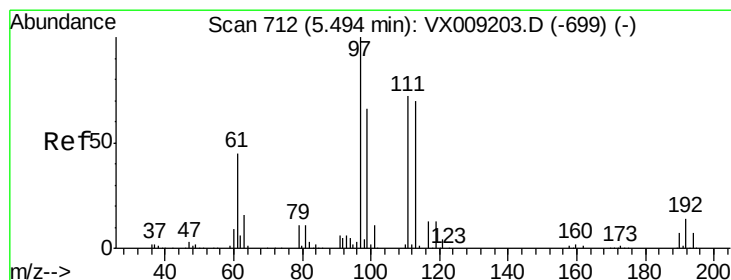
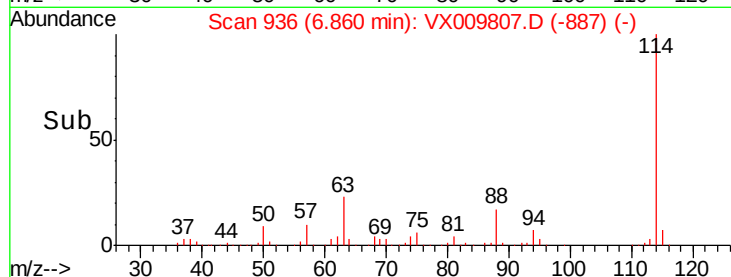
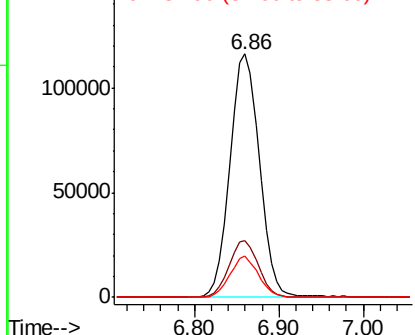
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX009807.D
Acq: 22 May 2019 16:20

Instrument :
MSVOA_X
ClientSampled :
TP-7

Tot Ion:114 Resp: 276543
Ion Ratio Lower Upper
114 100
63 23.2 0.0 45.6
88 16.9 0.0 33.2

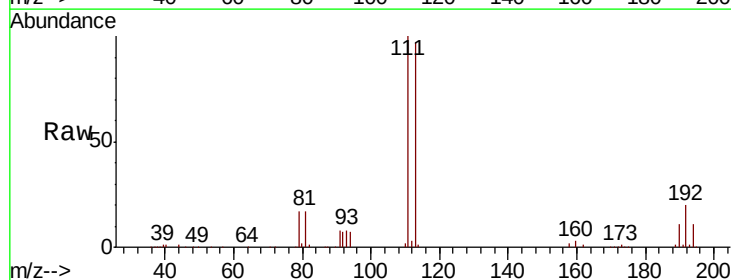


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

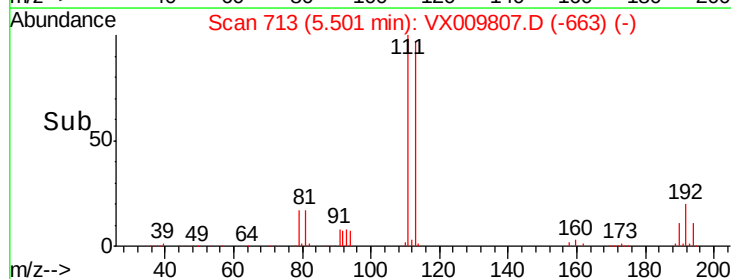
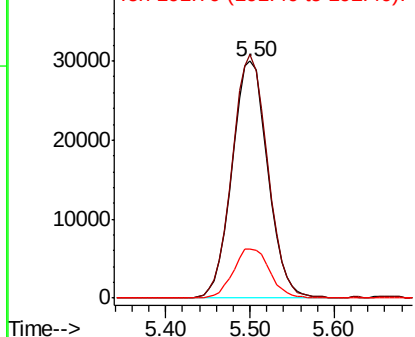


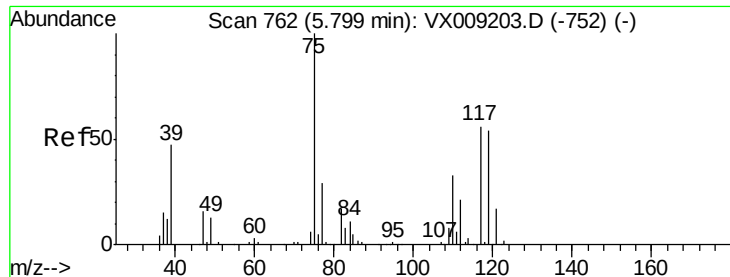
#35
Dibromofluoromethane
Concen: 49.548 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009807.D
Acq: 22 May 2019 16:20

Tgt Ion:113 Resp: 86138
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 21.3 17.0 25.6



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

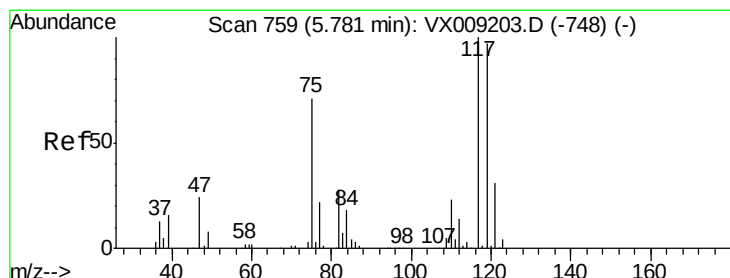
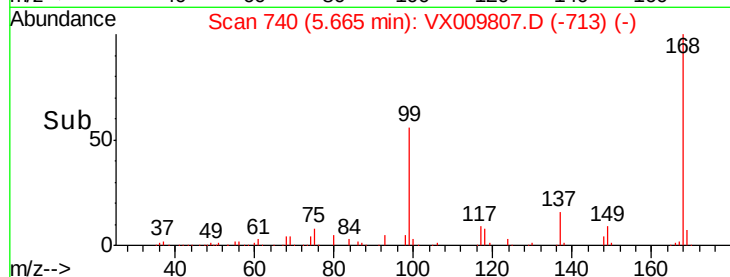
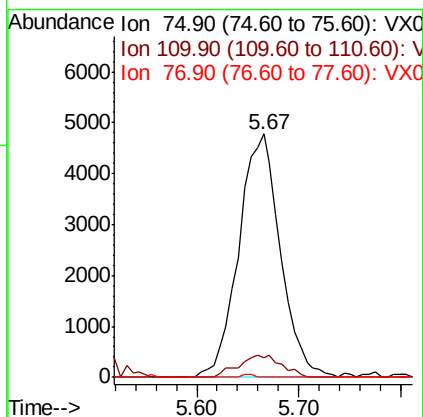
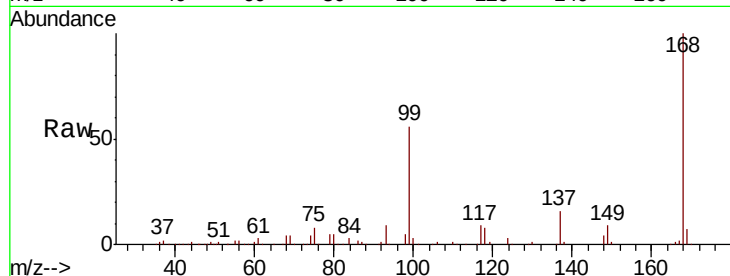




#36
 1,1-Dichloropropene
 Concen: 5.257 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009807.D
 Acq: 22 May 2019 16:20

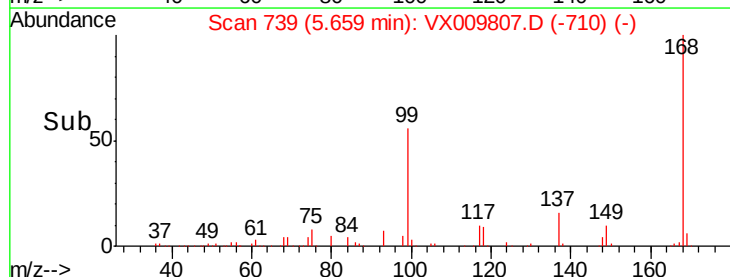
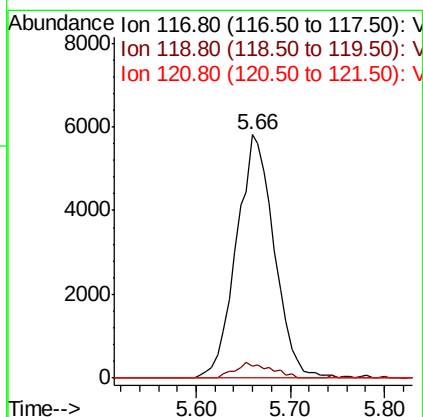
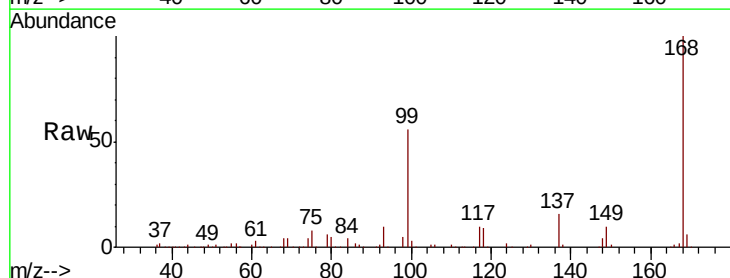
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7

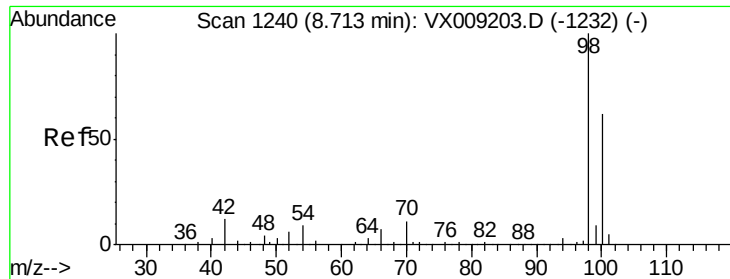
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	16.9	50.6#
77	0.3	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.950 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009807.D
 Acq: 22 May 2019 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.5	116.3#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 49.847 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009807.D

Acq: 22 May 2019 16:20

Instrument :

MSVOA_X

ClientSampled :

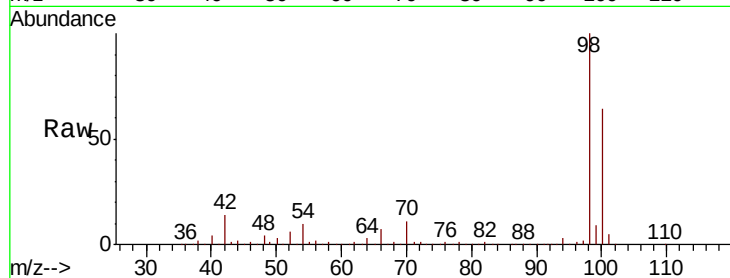
TP-7

Tot Ion: 98 Resp: 349855

Ion Ratio Lower Upper

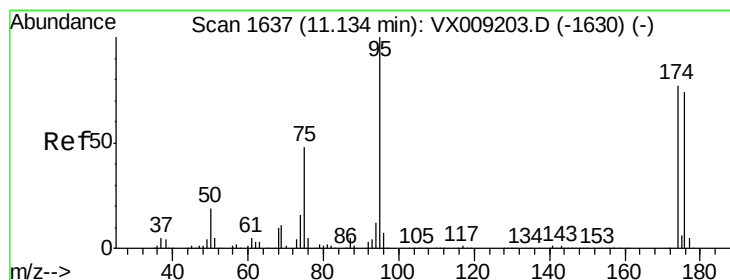
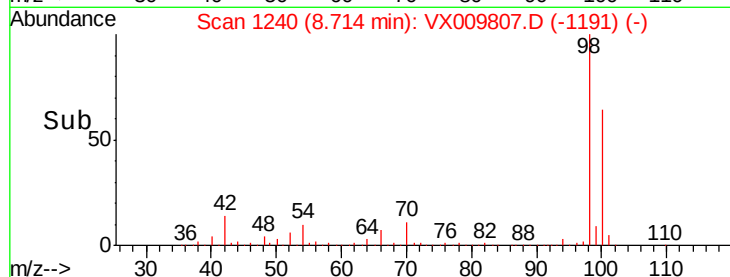
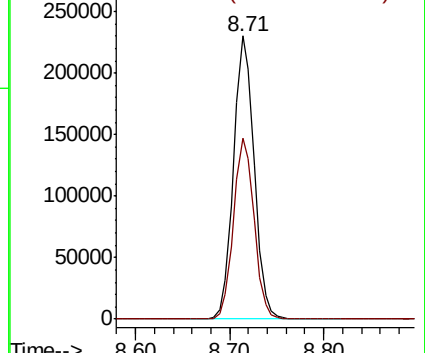
98 100

100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.534 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009807.D

Acq: 22 May 2019 16:20

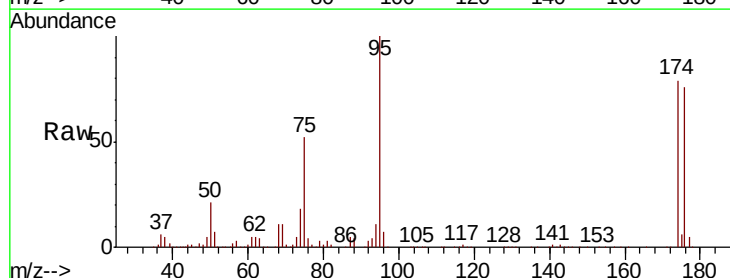
Tgt Ion: 95 Resp: 116125

Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.6

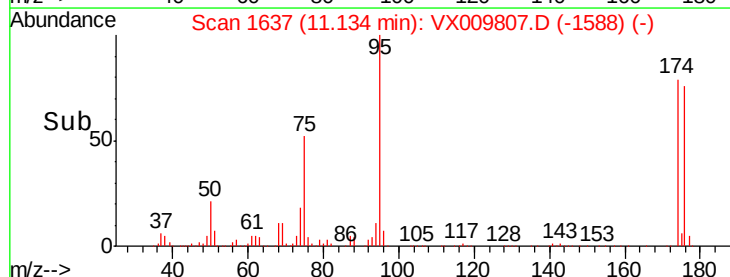
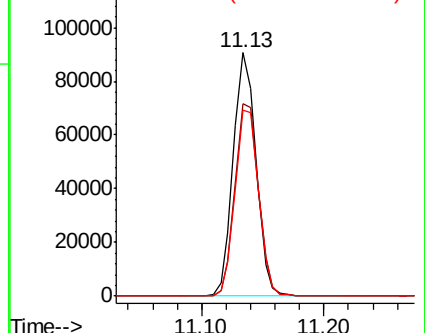
176 79.5 0.0 159.2

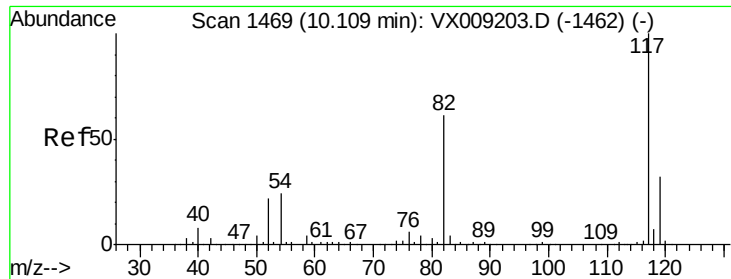


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

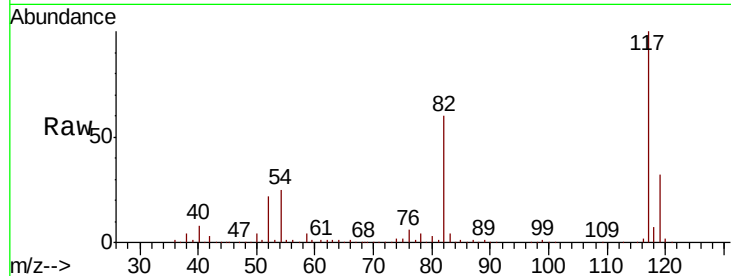




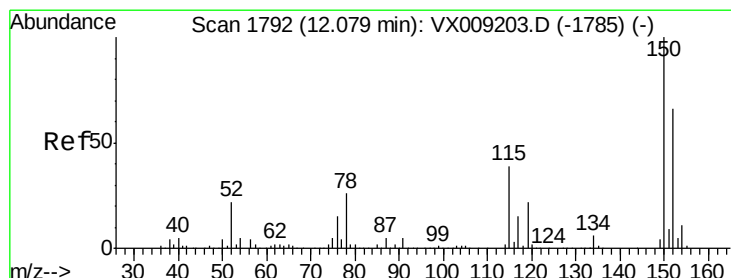
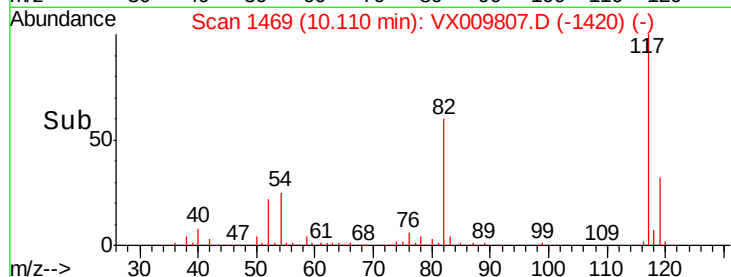
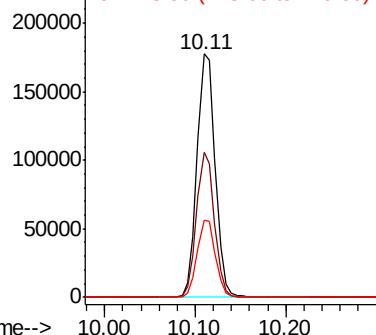
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009807.D
Acq: 22 May 2019 16:20

Instrument :
MSVOA_X
ClientSampled :
TP-7

Tot Ion:117 Resp: 248191
Ion Ratio Lower Upper
117 100
82 59.7 48.8 73.2
119 32.0 25.8 38.6

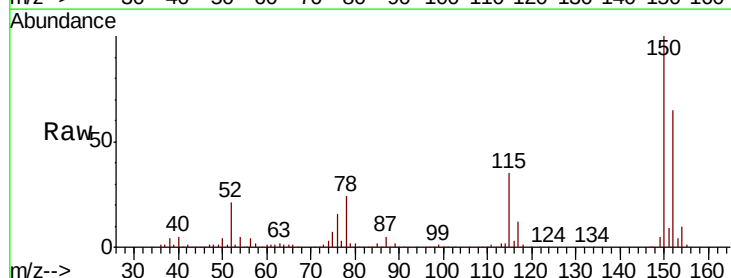


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

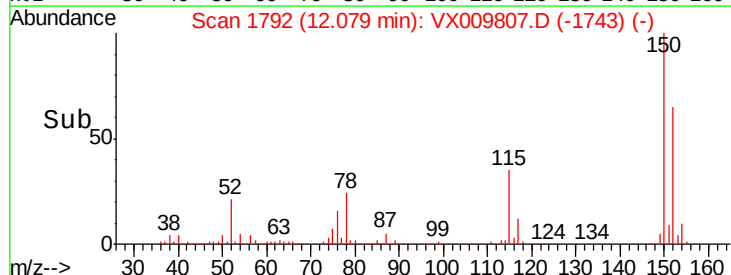
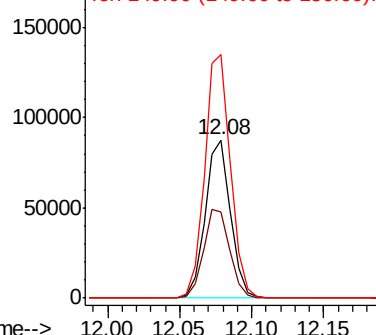


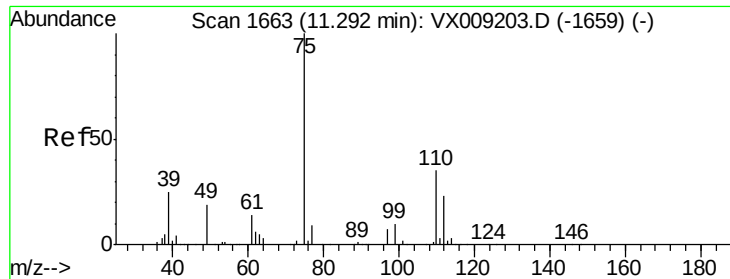
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009807.D
Acq: 22 May 2019 16:20

Tgt Ion:152 Resp: 107049
Ion Ratio Lower Upper
152 100
115 58.5 41.2 123.6
150 158.0 0.0 346.4



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: 24.483 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009807.D

Acq: 22 May 2019 16:20

Instrument :

MSVOA_X

ClientSampled :

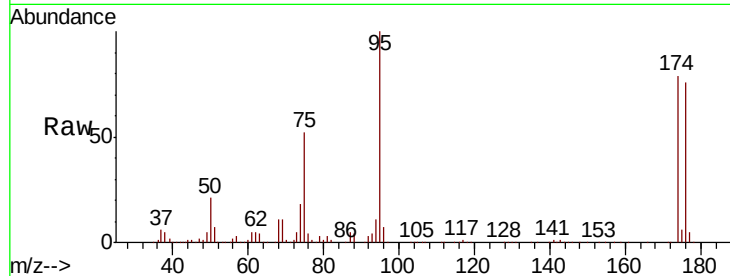
TP-7

Tot Ion: 75 Resp: 60794

Ion Ratio Lower Upper

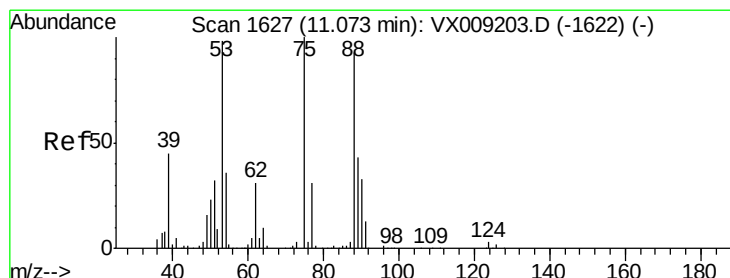
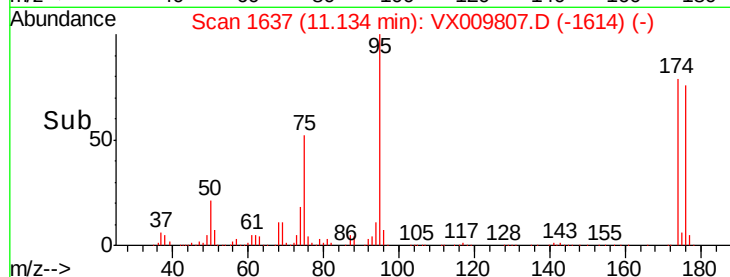
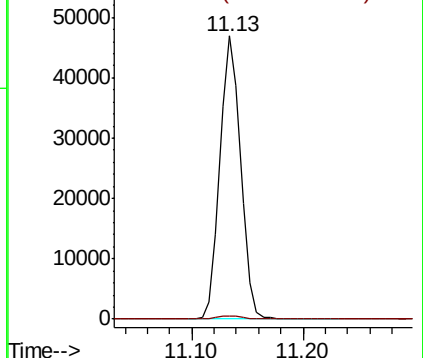
75 100

77 1.2 22.1 66.1#



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: 62.642 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009807.D

Acq: 22 May 2019 16:20

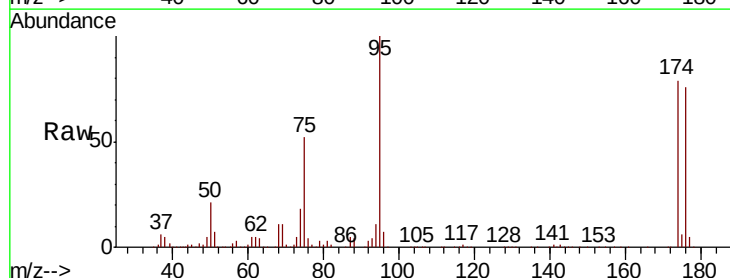
Tgt Ion: 75 Resp: 60794

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

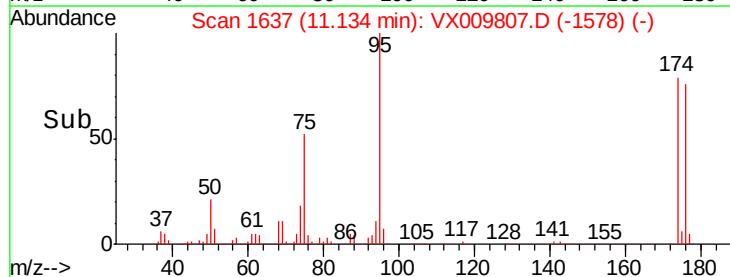
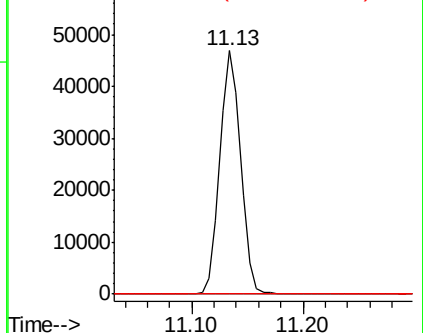
89 0.0 34.7 52.1#

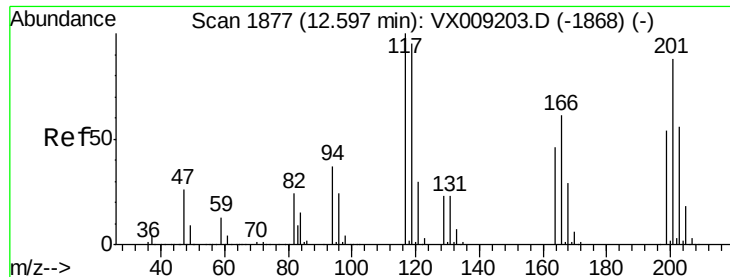


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

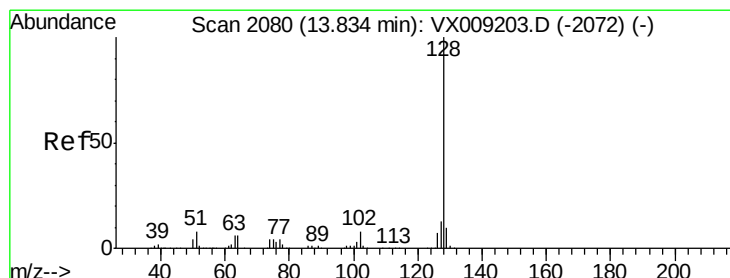
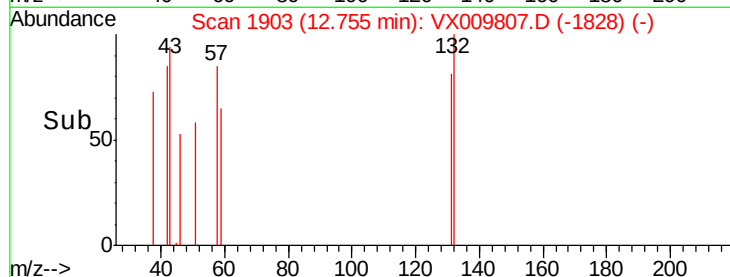
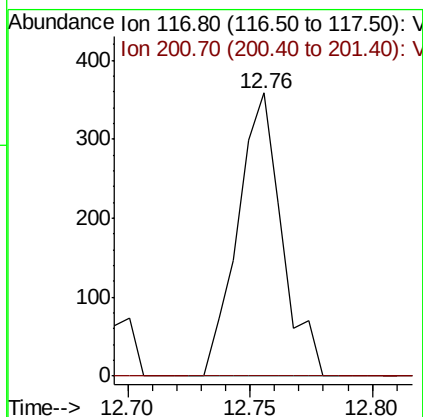
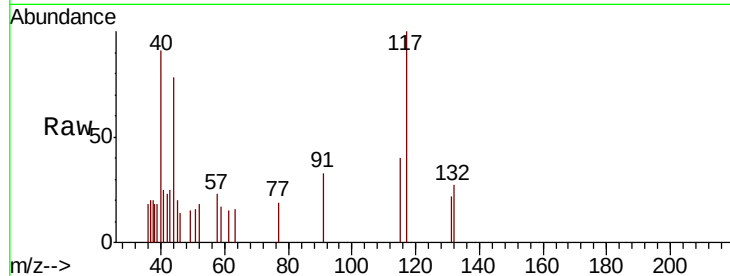




#90
Hexachloroethane
Concen: 0.388 ug/l
RT: 12.76 min Scan# 1903
Delta R.T. 0.16 min
Lab File: VX009807.D
Acq: 22 May 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
TP-7

Tot Ion:117 Resp: 449
Ion Ratio Lower Upper
117 100
201 0.0 42.3 126.9#



#95
Naphthalene
Concen: 0.229 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009807.D
Acq: 22 May 2019 16:20

Tgt Ion:128 Resp: 1784
Ion Ratio Lower Upper
128 100
127 13.6 10.4 15.6
129 12.0 8.6 13.0

