

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009599.D
 Acq On : 16 May 2019 12:03
 Operator : JC/SP
 Sample : K2857-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-190514

Quant Time: May 17 06:36:53 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	176904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	282582	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	96645	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	118717	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
35) Dibromofluoromethane	5.50	113	87011	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
50) Toluene-d8	8.71	98	354402	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	11.13	95	111475	42.78	ug/l	0.00
Spiked Amount			Recovery	=	85.56%	

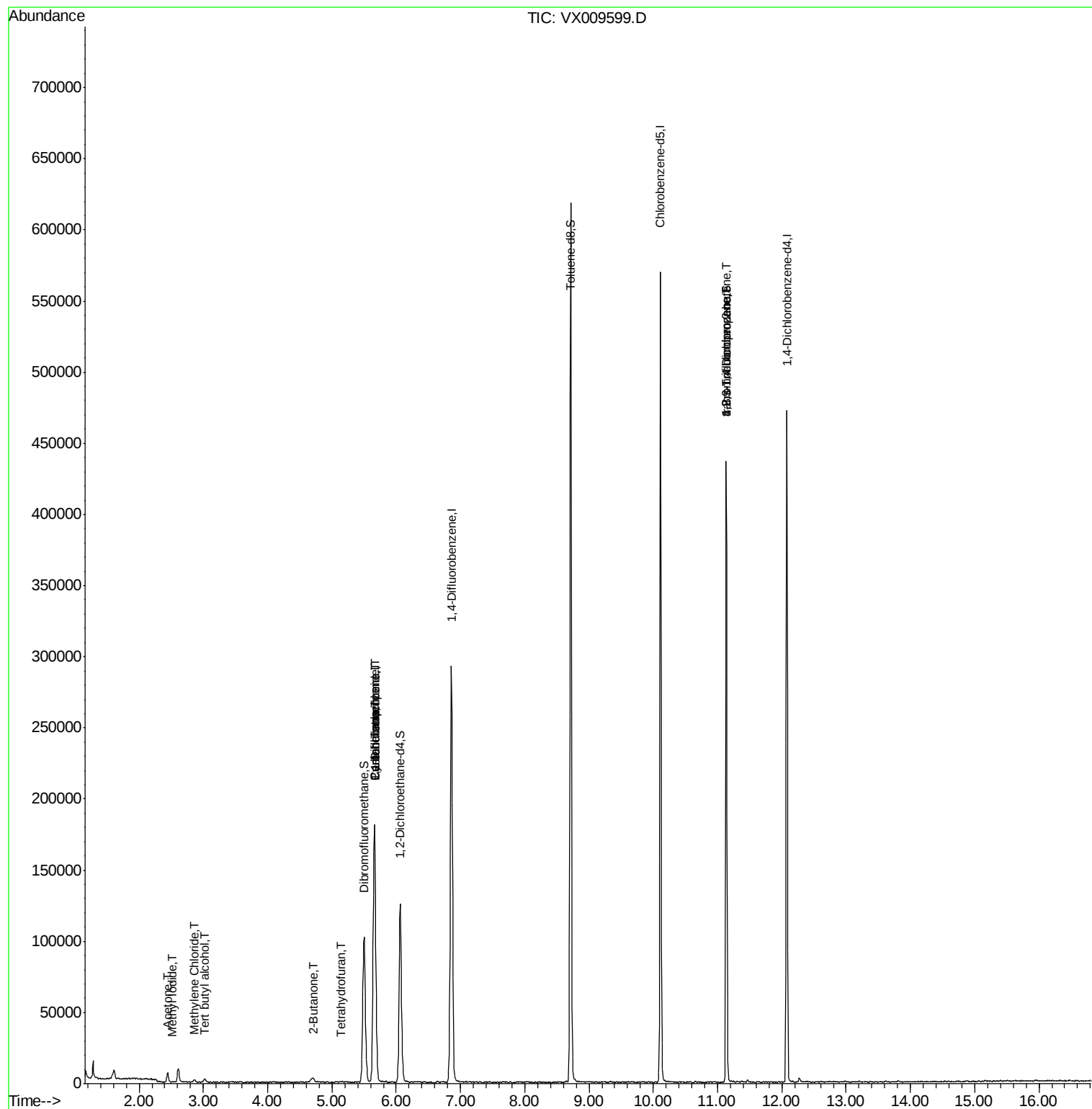
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.53	142	50	4.617	ug/l #	42
11) Tert butyl alcohol	3.02	59	1740	3.113	ug/l #	73
16) Acetone	2.45	43	7085	5.464	ug/l	99
20) Methylene Chloride	2.86	84	831	0.396	ug/l	94
25) 2-Butanone	4.71	43	672	0.333	ug/l	95
28) Bromochloromethane	5.07	49	20	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	437	0.337	ug/l #	59
31) Cyclohexane	5.67	56	3900	1.092	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13906	5.295	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16418	6.881	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	57269	25.546	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	57269	65.363	ug/l #	10

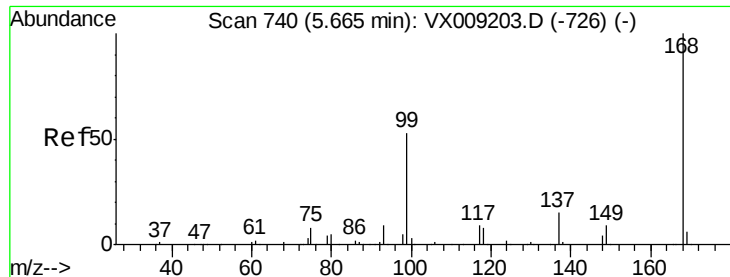
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009599.D

Acq: 16 May 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

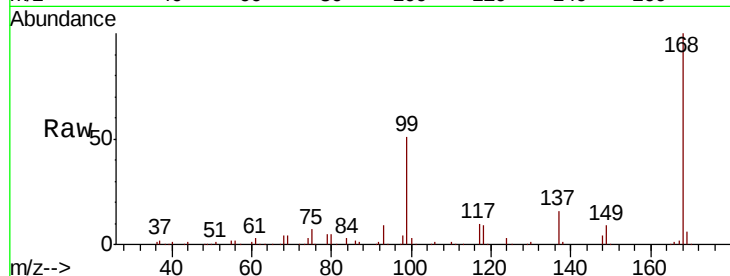
FB-190514

Tot Ion:168 Resp: 176904

Ion Ratio Lower Upper

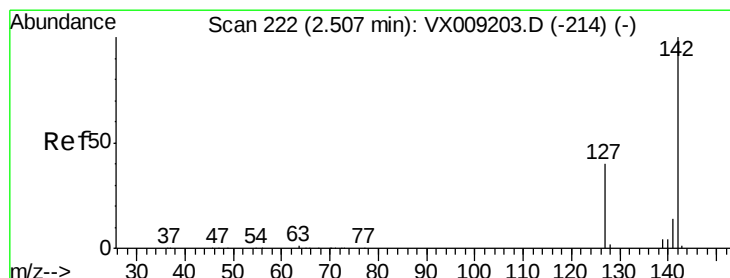
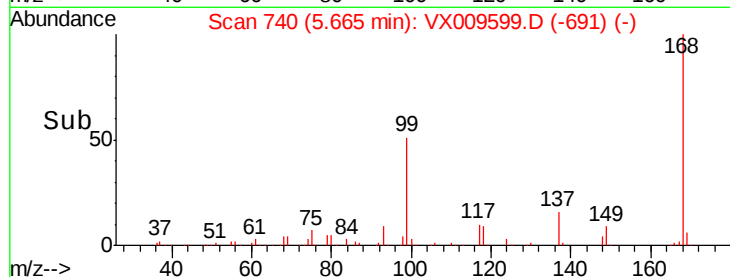
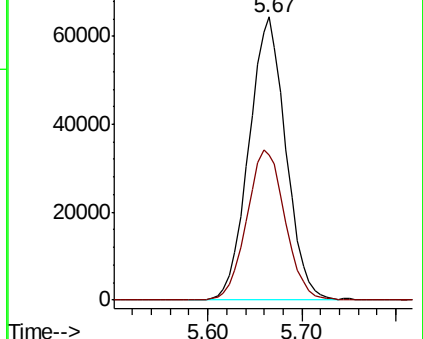
168 100

99 51.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 4.617 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX009599.D

Acq: 16 May 2019 12:03

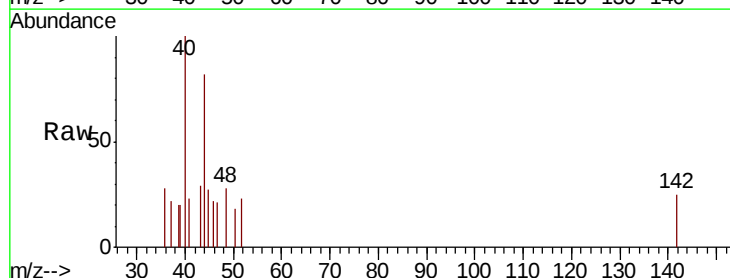
Tgt Ion:142 Resp: 50

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

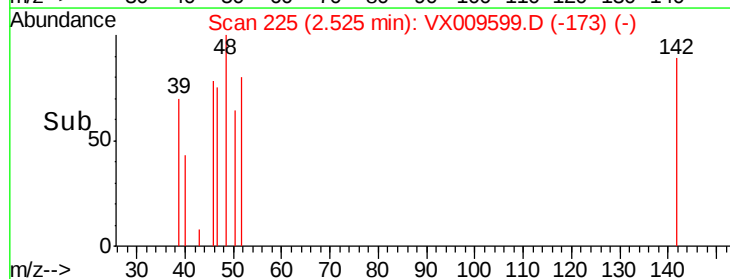
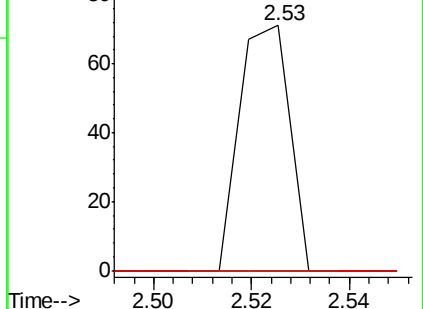
141 0.0 11.5 17.3#

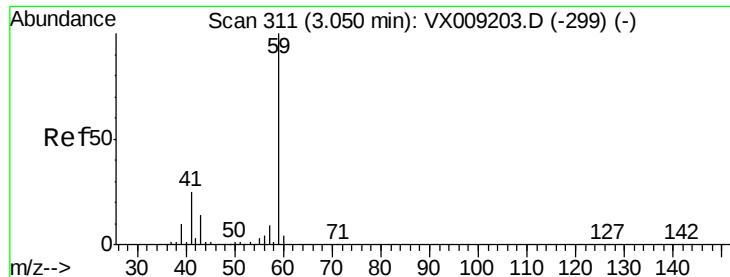


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

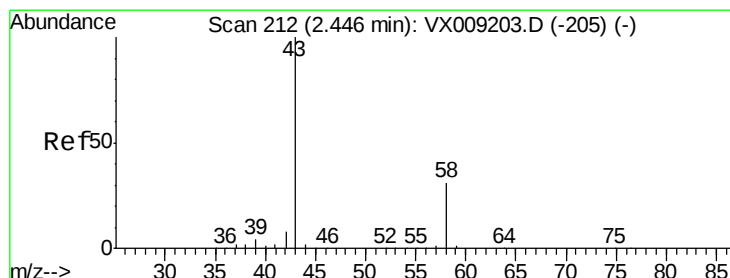
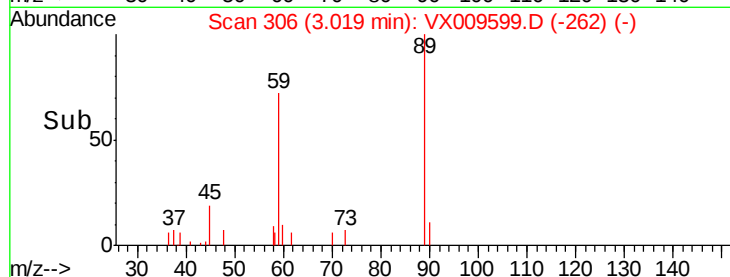
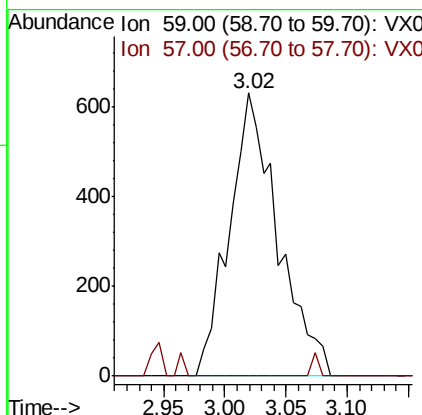
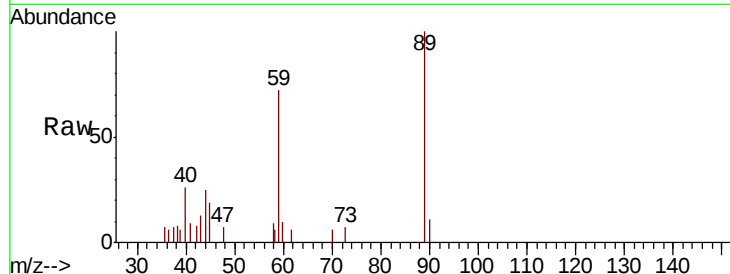




#11
Tert butyl alcohol
Concen: 3.113 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009599.D
Acq: 16 May 2019 12:03

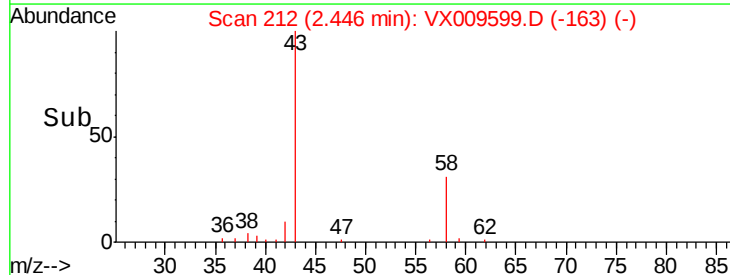
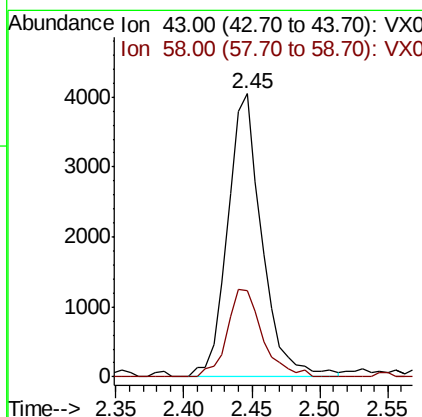
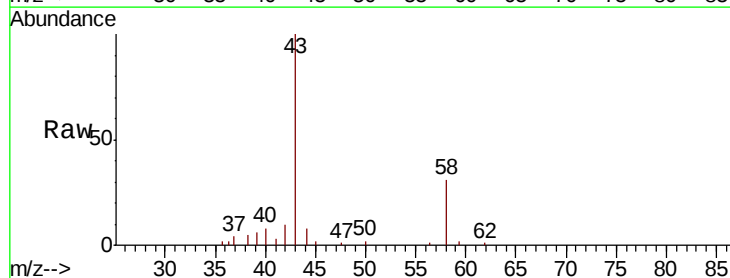
Instrument :
MSVOA_X
ClientSampleId :
FB-190514

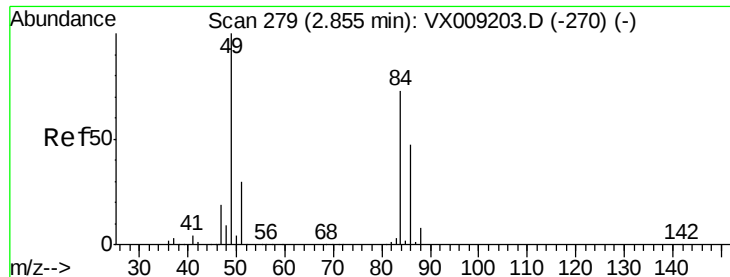
Tot Ion: 59 Resp: 1740
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 5.464 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009599.D
Acq: 16 May 2019 12:03

Tgt Ion: 43 Resp: 7085
Ion Ratio Lower Upper
43 100
58 30.5 24.9 37.3

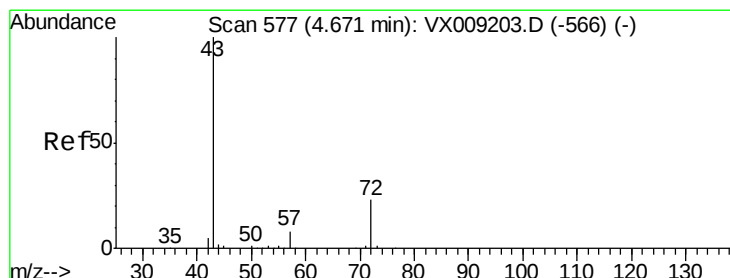
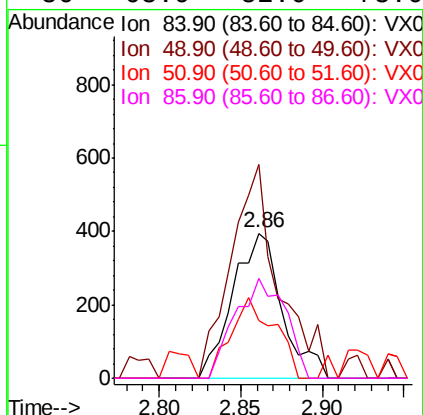
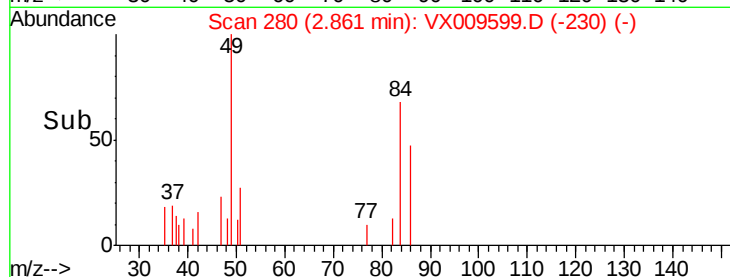
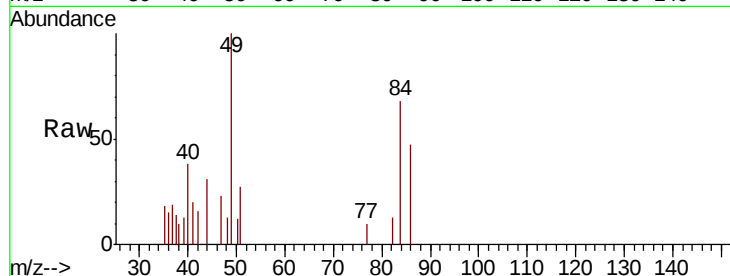




#20
Methvlene Chloride
Concen: 0.396 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009599.D
Acq: 16 May 2019 12:03

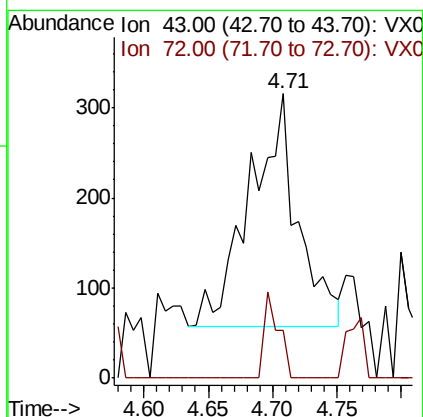
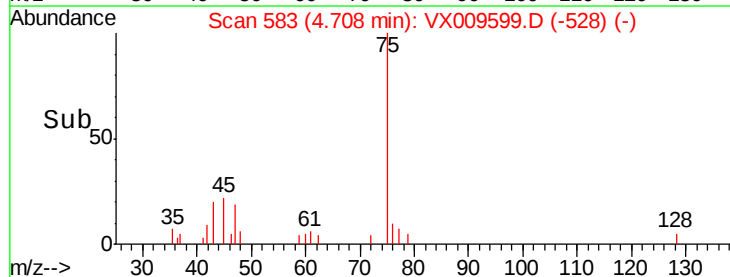
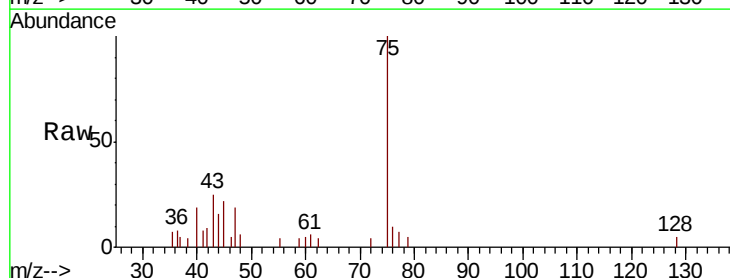
Instrument :
MSVOA_X
ClientSampleId :
FB-190514

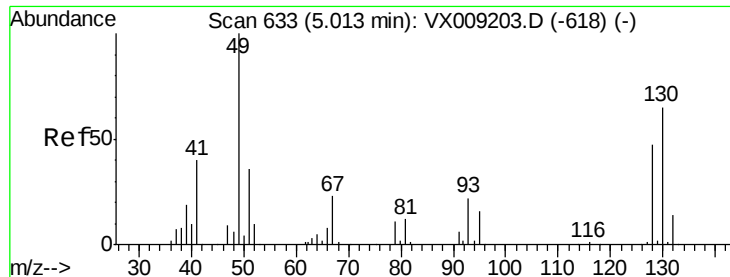
Tot Ion: 84 Resp: 831
Ion Ratio Lower Upper
84 100
49 147.3 109.9 164.9
51 40.3 32.7 49.1
86 68.9 52.0 78.0



#25
2-Butanone
Concen: 0.333 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.04 min
Lab File: VX009599.D
Acq: 16 May 2019 12:03

Tgt Ion: 43 Resp: 672
Ion Ratio Lower Upper
43 100
72 20.4 18.2 27.2





#28

Bromochloromethane

Concen: Below Cal

RT: 5.07 min Scan# 642

Delta R.T. 0.06 min

Lab File: VX009599.D

Acq: 16 May 2019 12:03

Instrument :

MSVOA_X

ClientSampled :

FB-190514

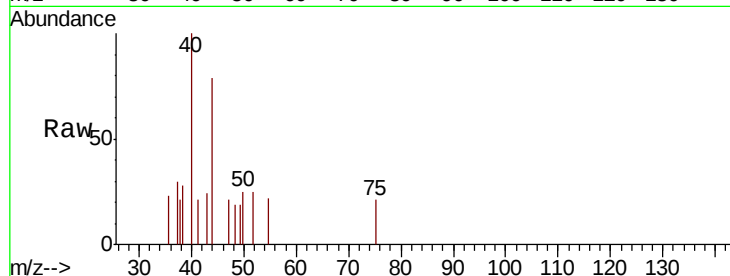
Tot Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

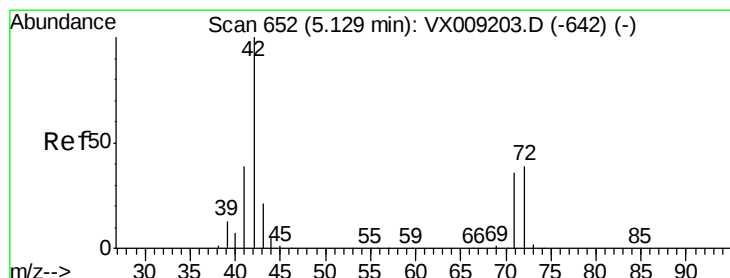
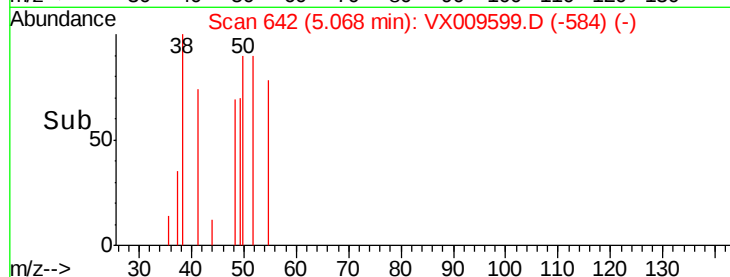
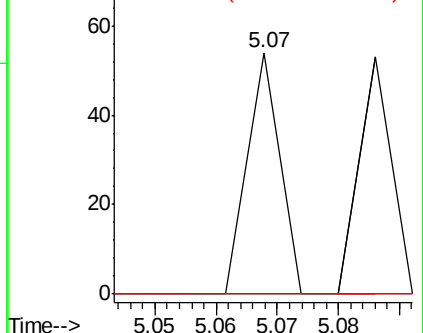
130 0.0 51.2 76.8#



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



#29

Tetrahydrofuran

Concen: 0.337 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009599.D

Acq: 16 May 2019 12:03

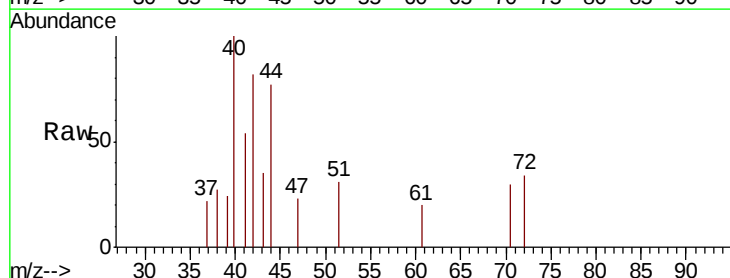
Tgt Ion: 42 Resp: 437

Ion Ratio Lower Upper

42 100

72 14.9 30.4 45.6#

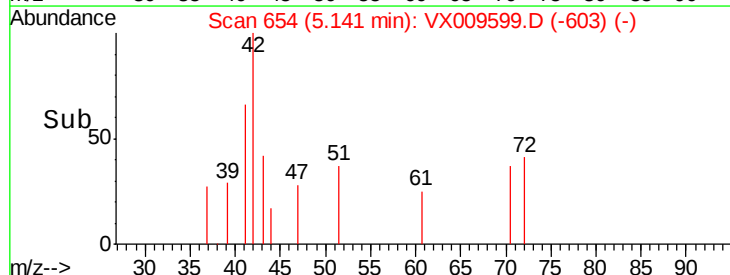
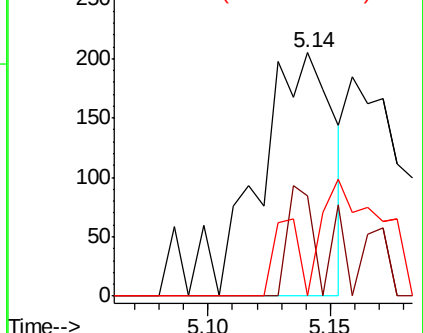
71 10.5 28.6 43.0#

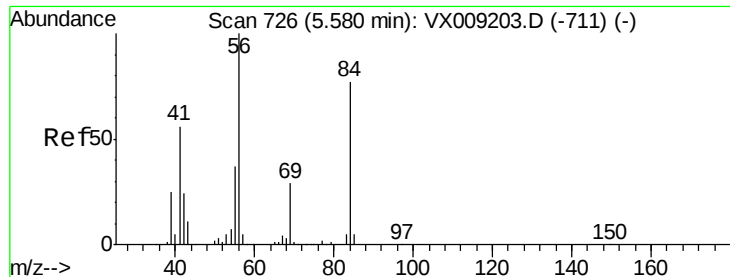


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

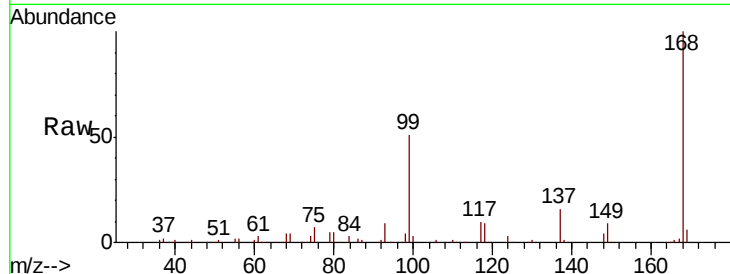




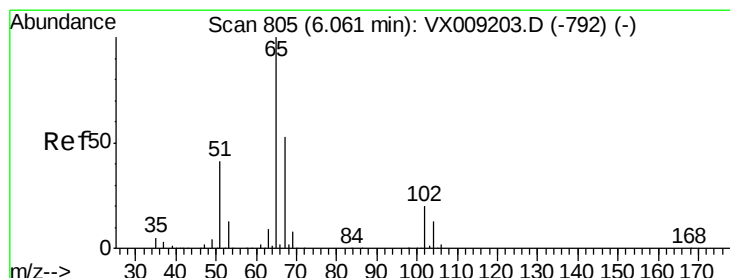
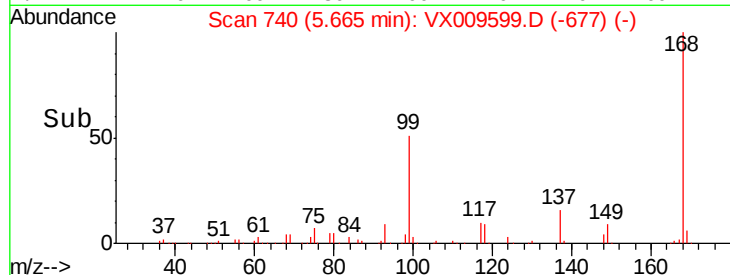
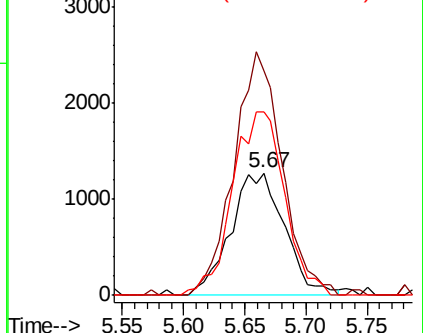
#31
Cyclohexane
Concen: 1.092 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009599.D
Acq: 16 May 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
FB-190514

Tot Ion: 56 Resp: 3900
Ion Ratio Lower Upper
56 100
69 183.0 23.4 35.0#
84 150.1 61.9 92.9#

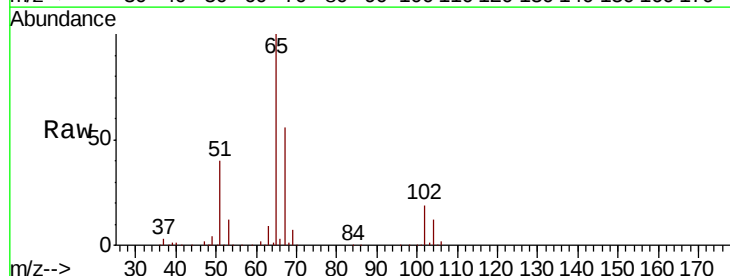


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

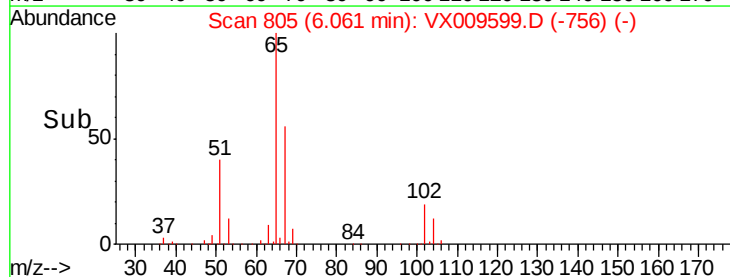
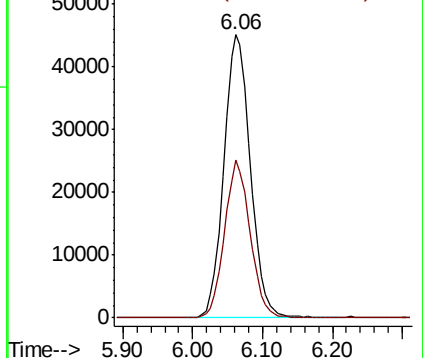


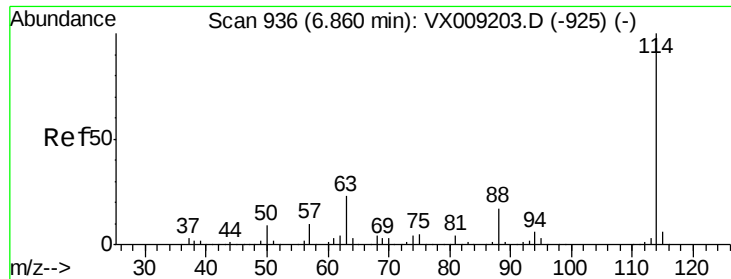
#33
1,2-Dichloroethane-d4
Concen: 49.159 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009599.D
Acq: 16 May 2019 12:03

Tgt Ion: 65 Resp: 118717
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.6



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

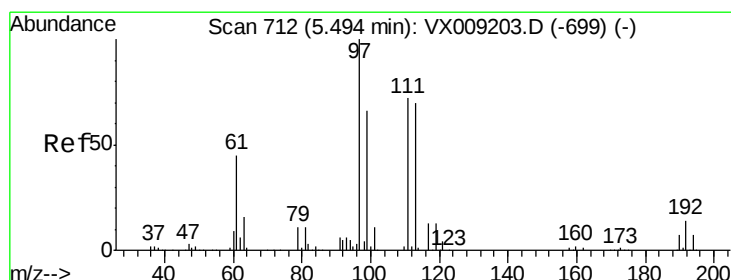
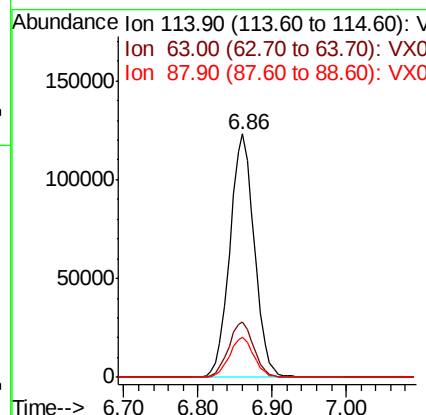
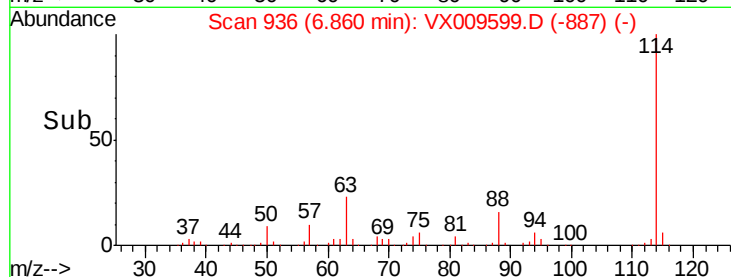
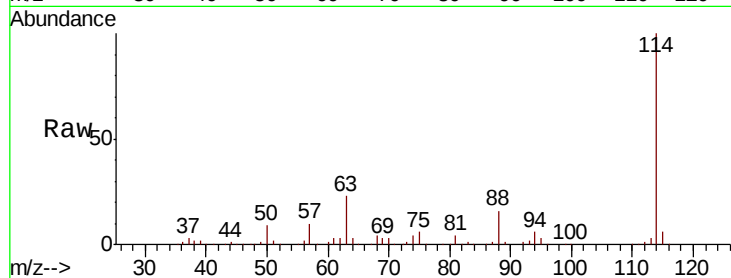




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009599.D
 Acq: 16 May 2019 12:03

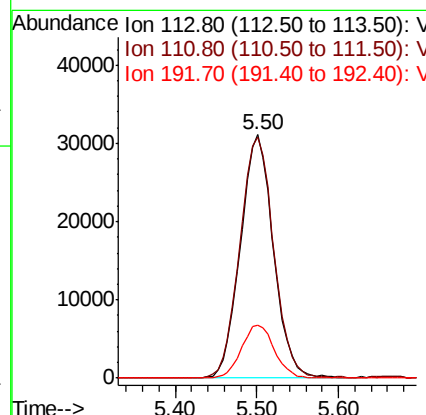
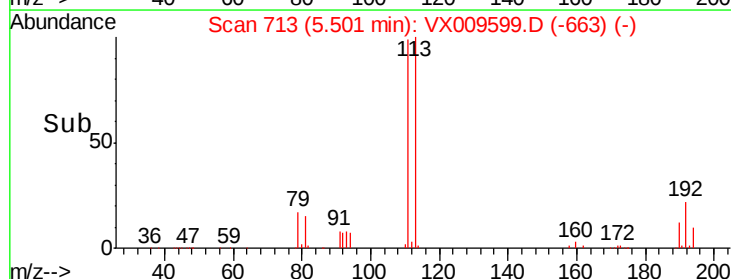
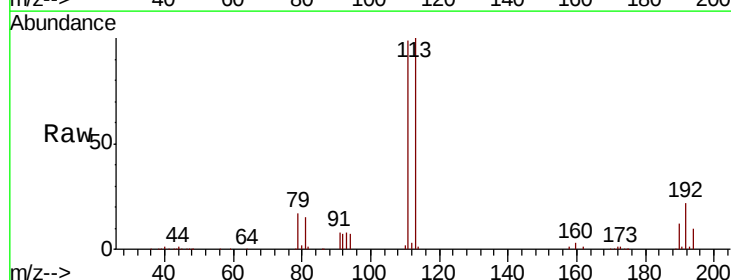
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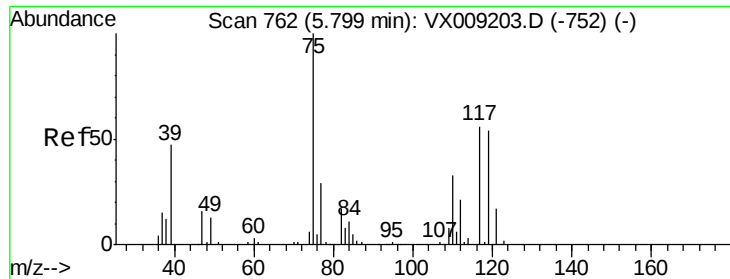
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.6
88	16.4	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 48.981 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009599.D
 Acq: 16 May 2019 12:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.8	124.2
192	21.8	17.0	25.6





#36

1,1-Dichloropropene

Concen: 5.295 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009599.D

Acq: 16 May 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

FB-190514

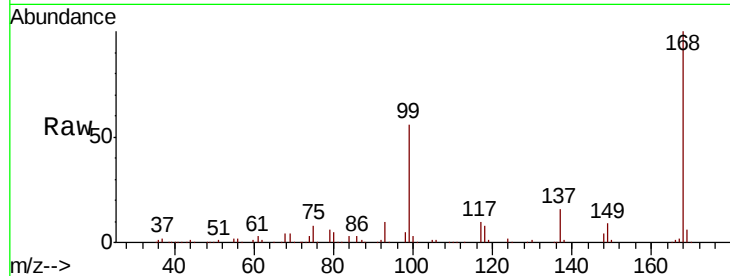
Tot Ion: 75 Resp: 13906

Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.6#

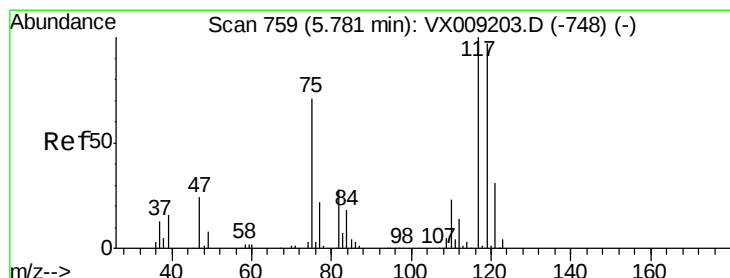
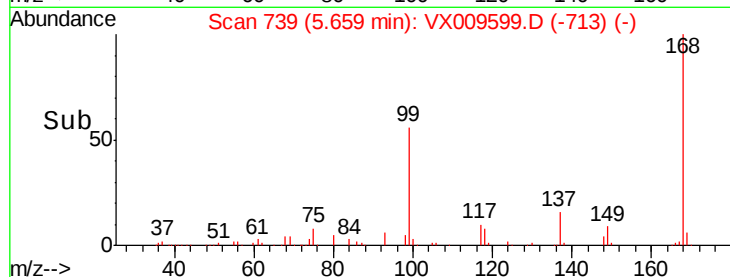
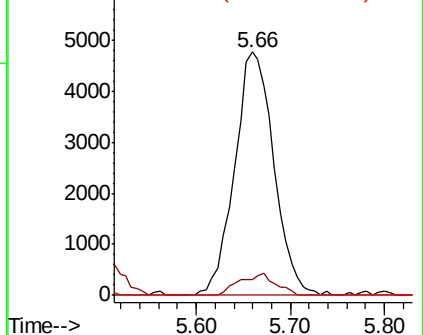
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.881 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009599.D

Acq: 16 May 2019 12:03

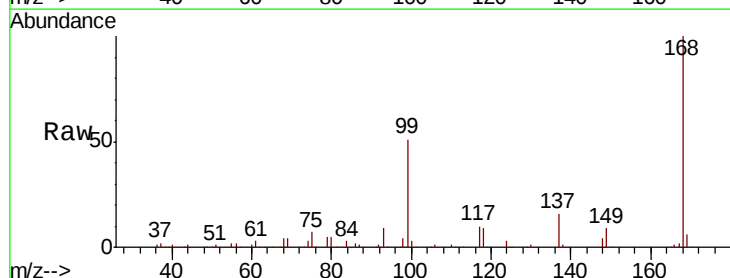
Tgt Ion: 117 Resp: 16418

Ion Ratio Lower Upper

117 100

119 5.0 77.5 116.3#

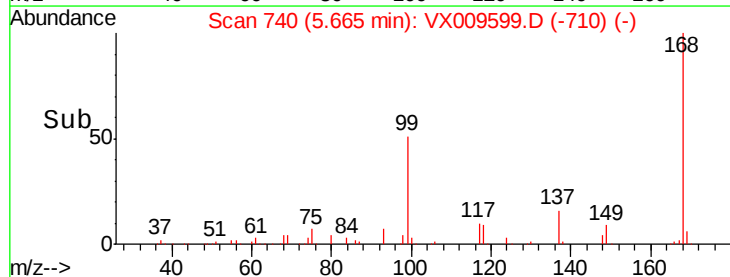
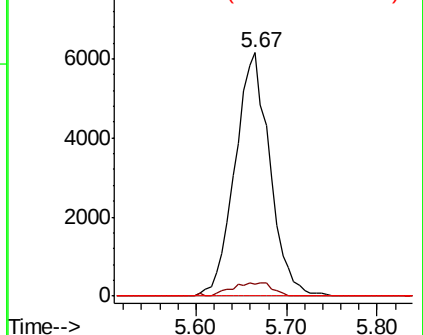
121 0.0 24.7 37.1#

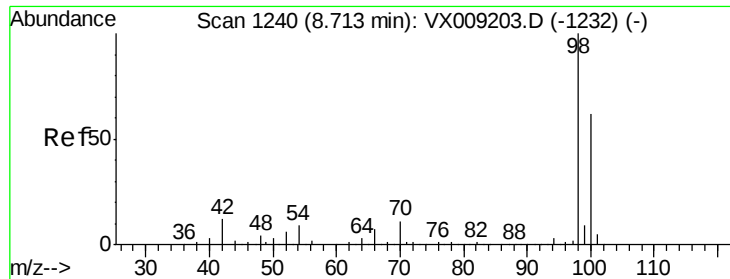


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.416 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009599.D

Acq: 16 May 2019 12:03

Instrument :

MSVOA_X

ClientSampled :

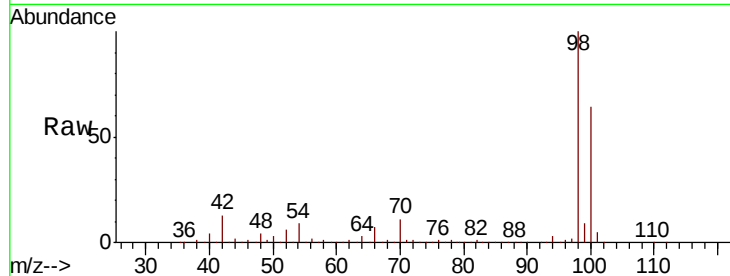
FB-190514

Tot Ion: 98 Resp: 354402

Ion Ratio Lower Upper

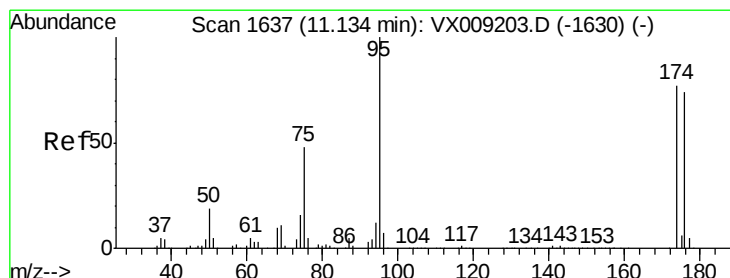
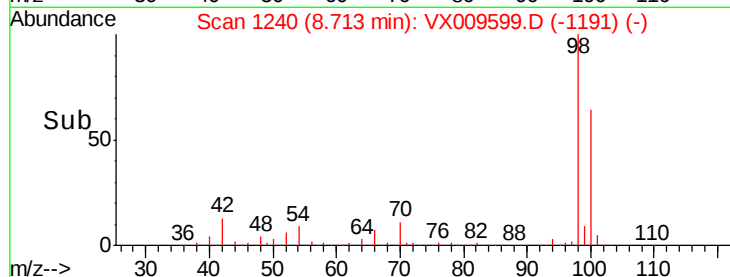
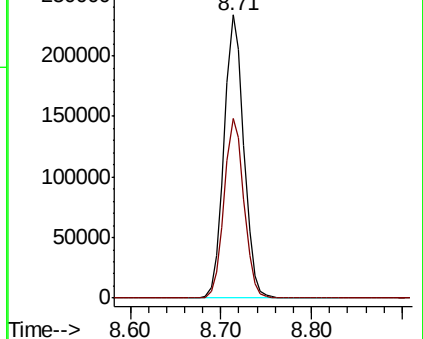
98 100

100 63.8 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: 42.777 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009599.D

Acq: 16 May 2019 12:03

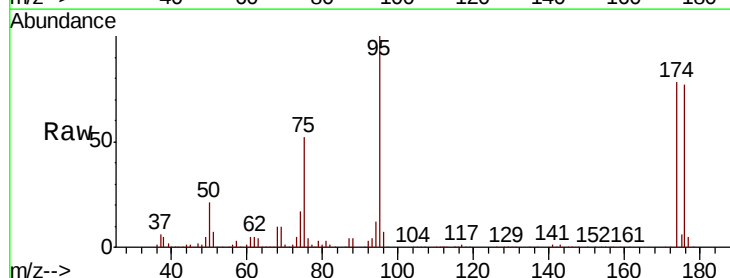
Tgt Ion: 95 Resp: 111475

Ion Ratio Lower Upper

95 100

174 81.5 0.0 161.6

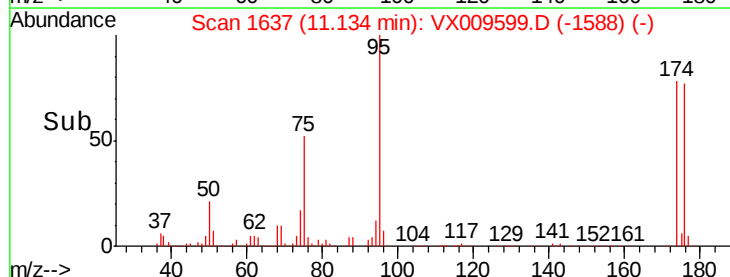
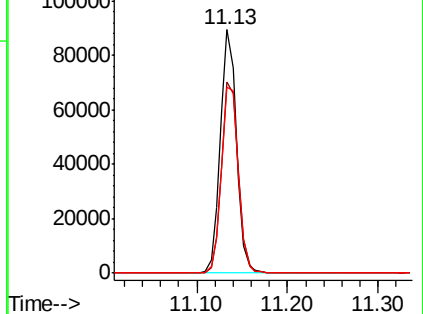
176 80.3 0.0 159.2

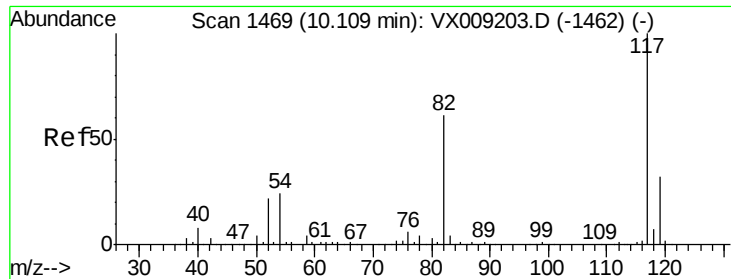


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

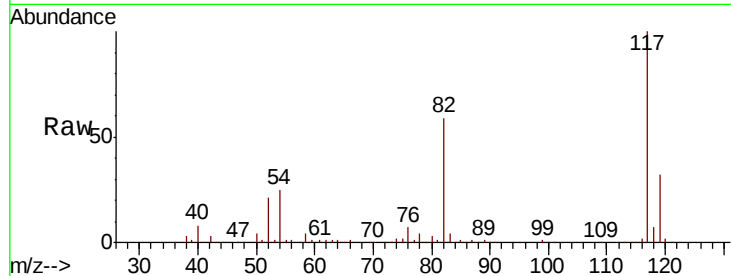




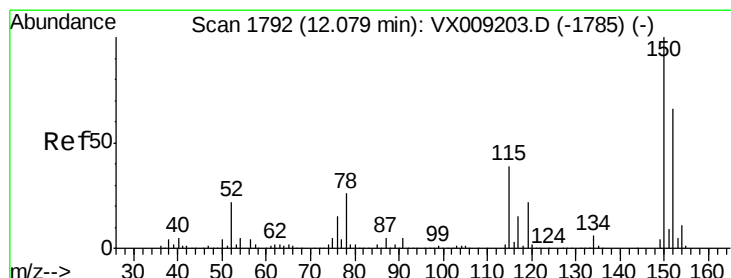
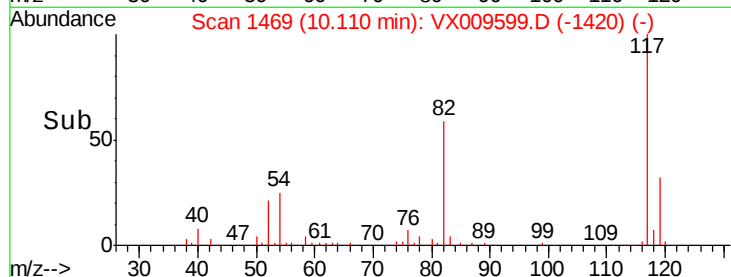
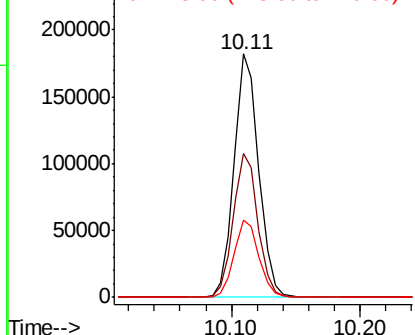
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009599.D
Acq: 16 May 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
FB-190514

Tot Ion:117 Resp: 242555
Ion Ratio Lower Upper
117 100
82 59.2 48.8 73.2
119 31.5 25.8 38.6

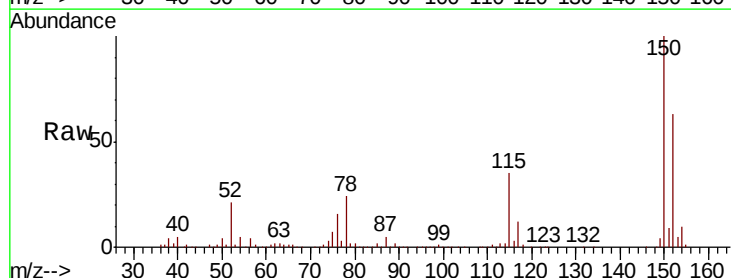


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

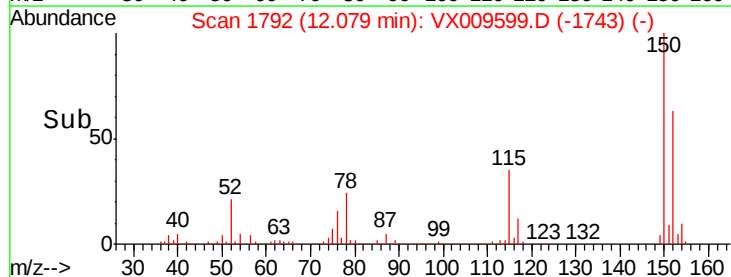
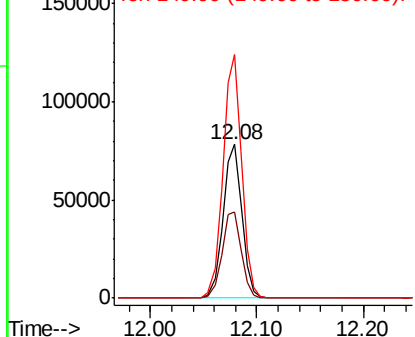


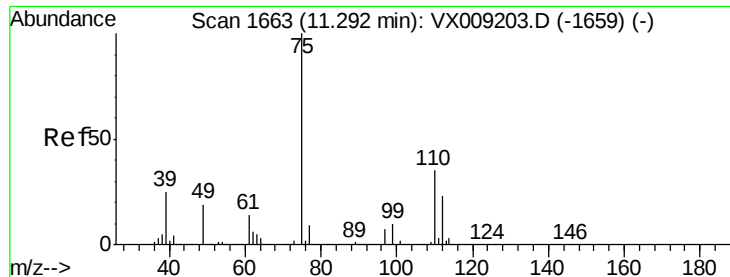
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009599.D
Acq: 16 May 2019 12:03

Tgt Ion:152 Resp: 96645
Ion Ratio Lower Upper
152 100
115 57.4 41.2 123.6
150 157.3 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: 25.546 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009599.D

Acq: 16 May 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

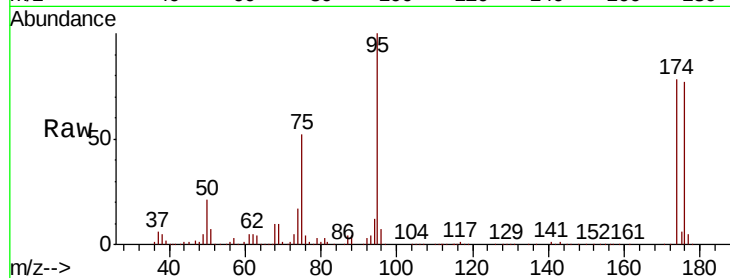
FB-190514

Tot Ion: 75 Resp: 57269

Ion Ratio Lower Upper

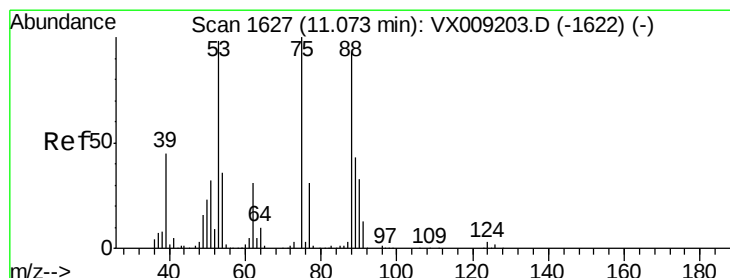
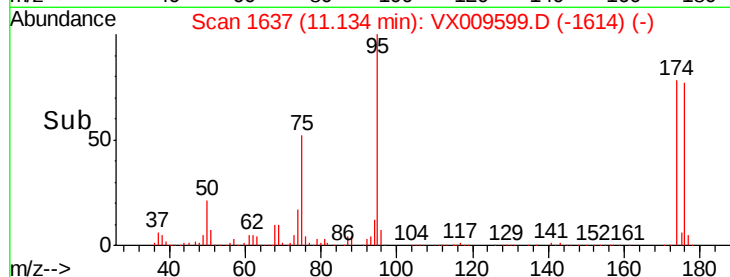
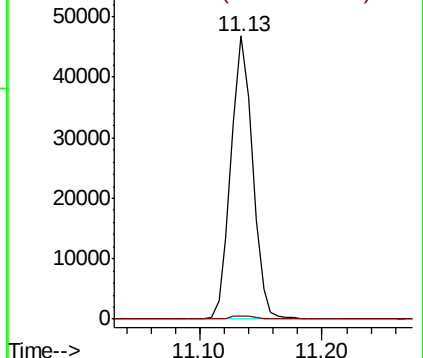
75 100

77 1.3 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: 65.363 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009599.D

Acq: 16 May 2019 12:03

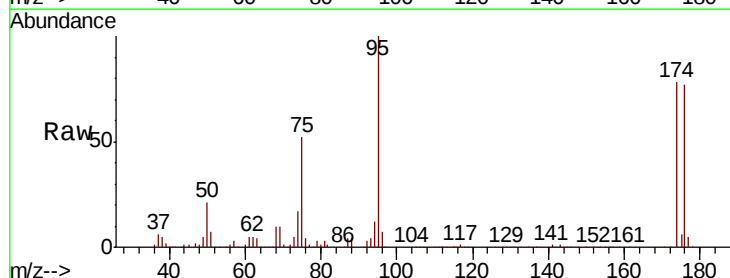
Tgt Ion: 75 Resp: 57269

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

