

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012769.D
 Acq On : 02 Oct 2019 19:10
 Operator : JC/SP
 Sample : K5157-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0540

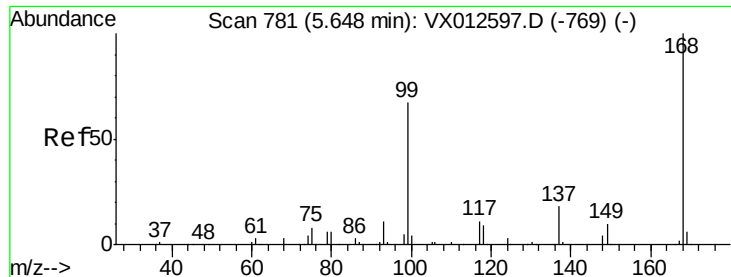
Quant Time: Oct 03 01:34:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	167973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	287376	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93854	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	118454	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	5.49	113	88349	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
50) Toluene-d8	8.71	98	336784	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	11.14	95	111301	42.95	ug/l	0.00
Spiked Amount			Recovery	=	85.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	837	0.386	ug/l #	43
4) Vinyl Chloride	1.40	62	15526	7.199	ug/l #	80
5) Bromomethane	1.65	94	406	0.479	ug/l	95
6) Chloroethane	1.81	64	707	0.486	ug/l #	78
11) Tert butyl alcohol	3.03	59	707	1.157	ug/l #	72
13) Acrolein	2.23	56	118	10.565	ug/l #	1
16) Acetone	2.43	43	1841	1.421	ug/l #	82
21) trans-1,2-Dichloroethene	3.15	96	16906	8.450	ug/l	96
24) 1,1-Dichloroethane	3.69	63	855	0.227	ug/l #	81
27) cis-1,2-Dichloroethene	4.59	96	7300	3.144	ug/l	85
31) Cyclohexane	5.65	56	3790	1.113	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14097	5.089	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18079	6.425	ug/l #	18
76) 1,2,3-Trichloropropane	11.14	75	56869	22.906	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	56869	65.645	ug/l #	8

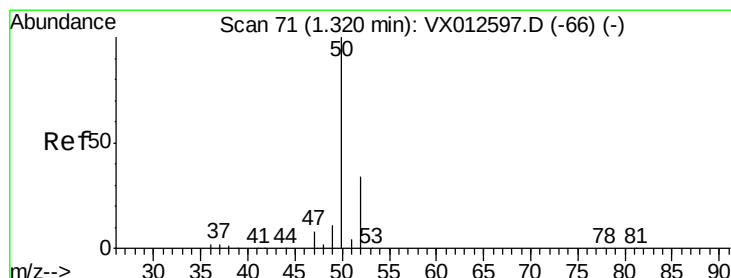
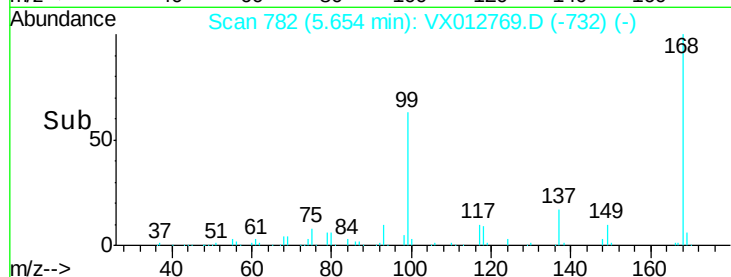
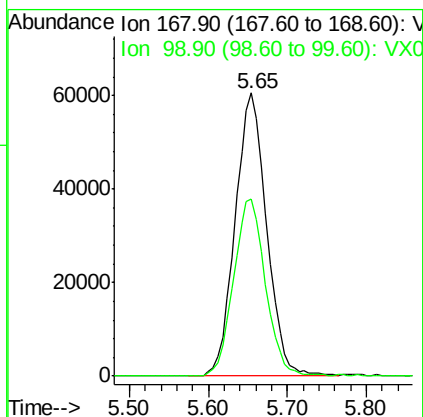
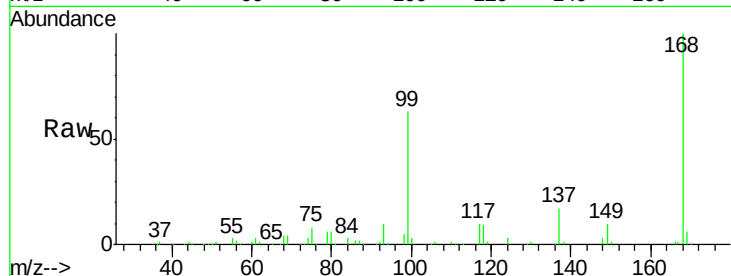
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX012769.D
Acq: 02 Oct 2019 19:10

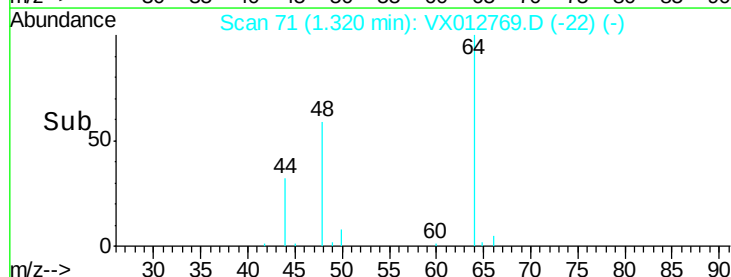
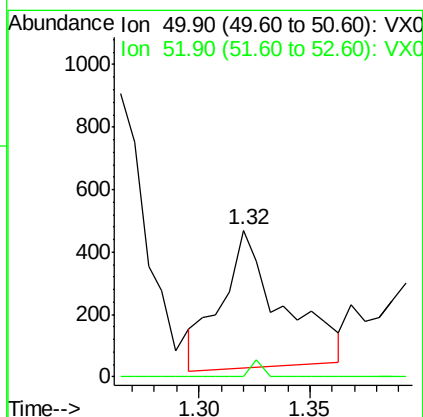
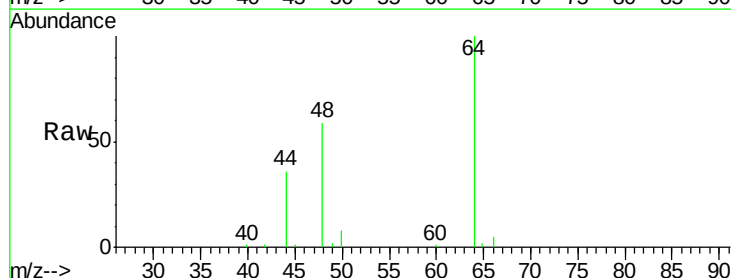
Instrument :
MSVOA_X
ClientSampleId :
S49-0540

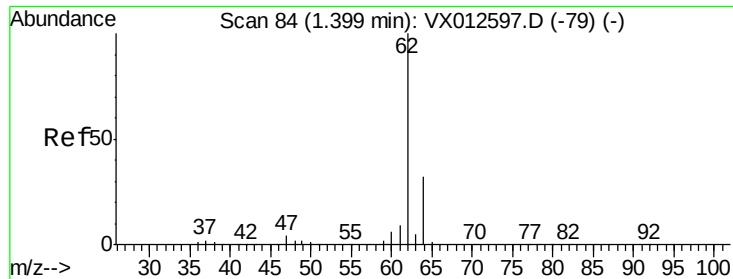
Tot Ion:168 Resp: 167973
Ion Ratio Lower Upper
168 100
99 62.7 51.4 77.2



#3
Chloromethane
Concen: 0.386 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX012769.D
Acq: 02 Oct 2019 19:10

Tgt Ion: 50 Resp: 837
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#4

Vinyl Chloride

Concen: 7.199 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012769.D

Acq: 02 Oct 2019 19:10

Instrument :

MSVOA_X

ClientSampleId :

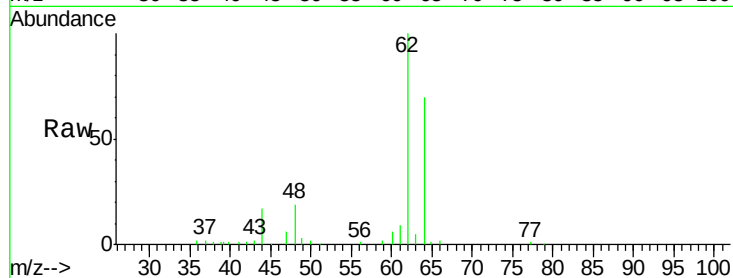
S49-0540

Tot Ion: 62 Resp: 15526

Ion Ratio Lower Upper

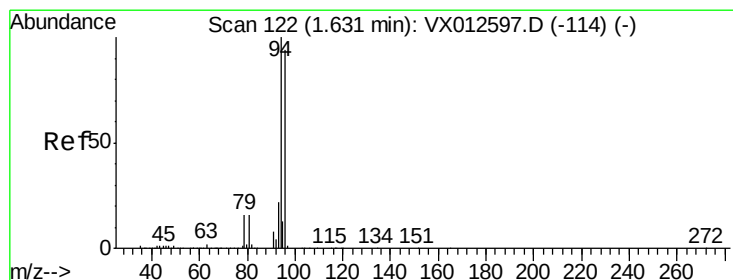
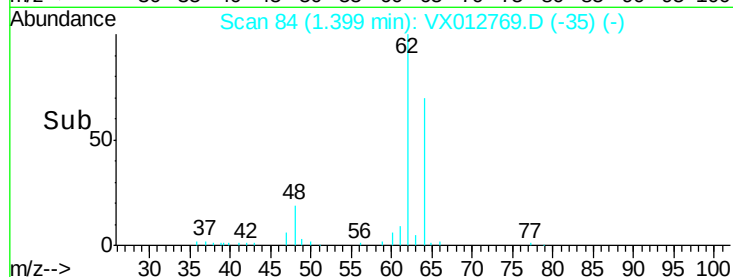
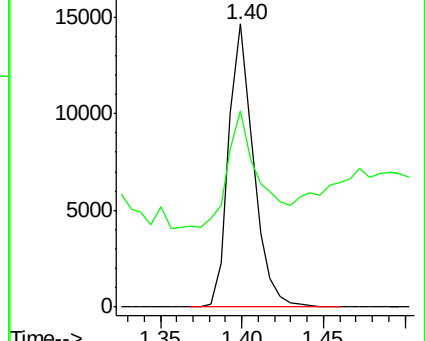
62 100

64 40.9 24.2 36.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.479 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012769.D

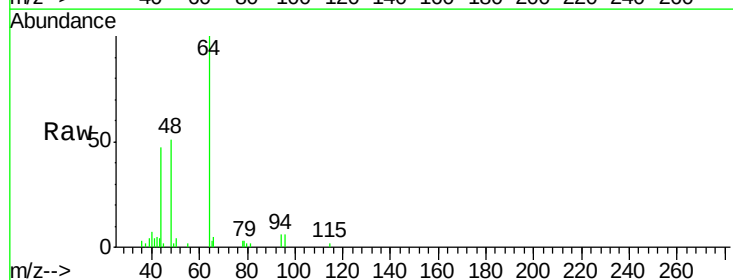
Acq: 02 Oct 2019 19:10

Tgt Ion: 94 Resp: 406

Ion Ratio Lower Upper

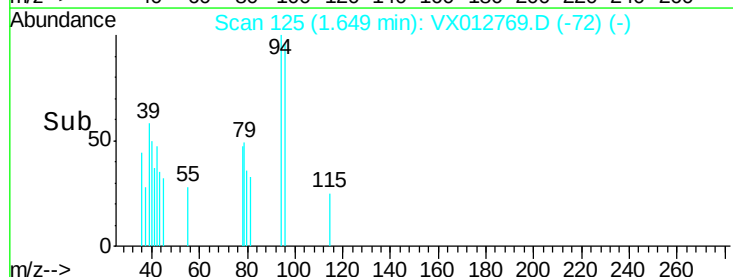
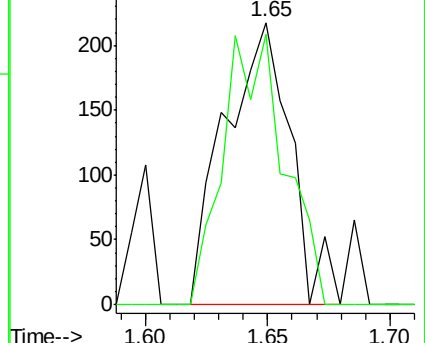
94 100

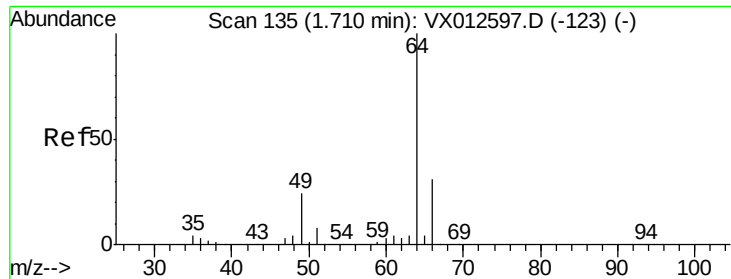
96 95.9 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.486 ug/l

RT: 1.81 min Scan# 152

Delta R.T. 0.10 min

Lab File: VX012769.D

Acq: 02 Oct 2019 19:10

Instrument :

MSVOA_X

ClientSampled :

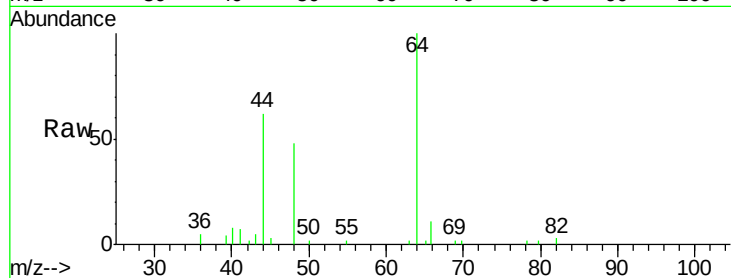
S49-0540

Tot Ion: 64 Resp: 707

Ion Ratio Lower Upper

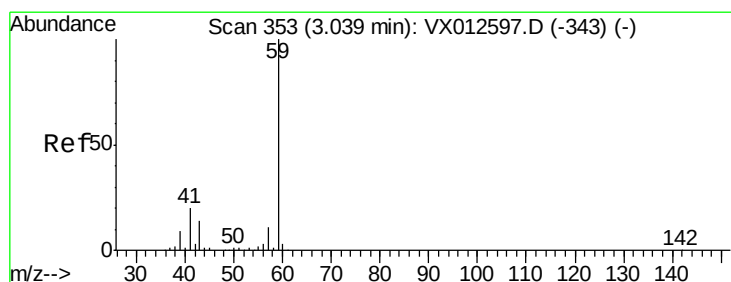
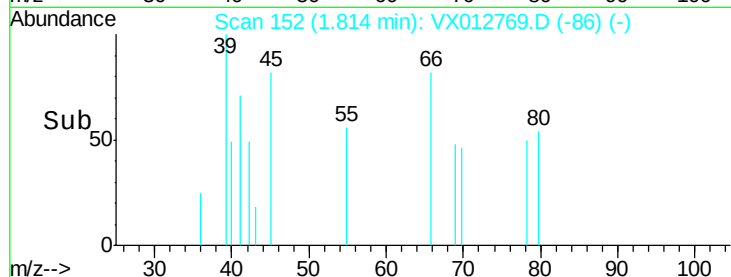
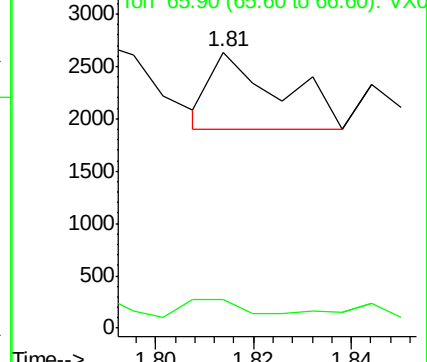
64 100

66 18.2 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 1.157 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012769.D

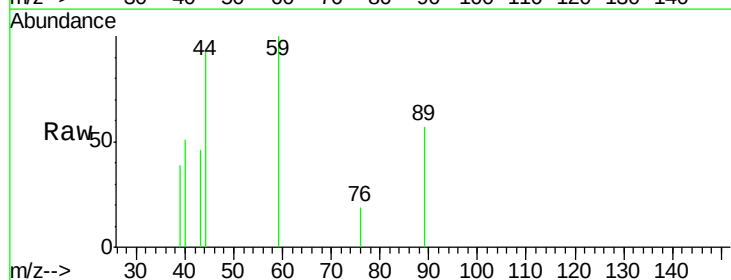
Acq: 02 Oct 2019 19:10

Tgt Ion: 59 Resp: 707

Ion Ratio Lower Upper

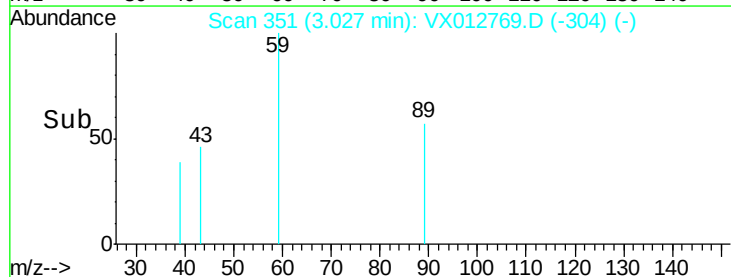
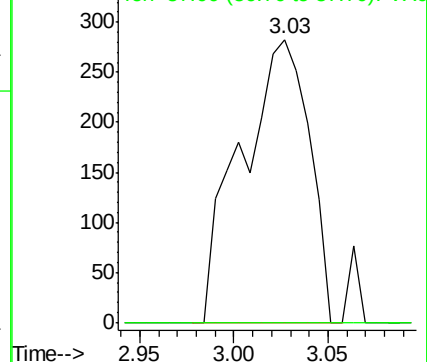
59 100

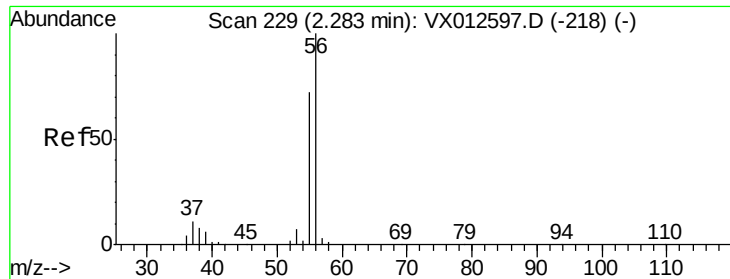
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 10.565 ug/l

RT: 2.23 min Scan# 220

Delta R.T. -0.05 min

Lab File: VX012769.D

Acq: 02 Oct 2019 19:10

Instrument :

MSVOA_X

ClientSampleId :

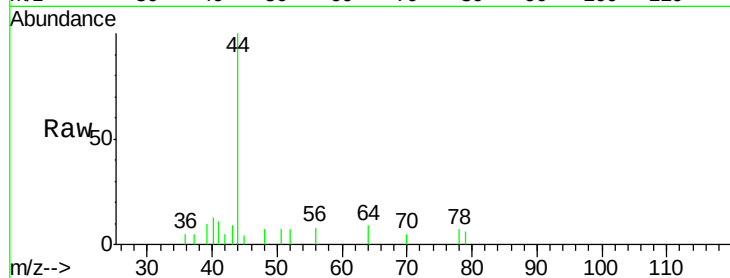
S49-0540

Tot Ion: 56 Resp: 118

Ion Ratio Lower Upper

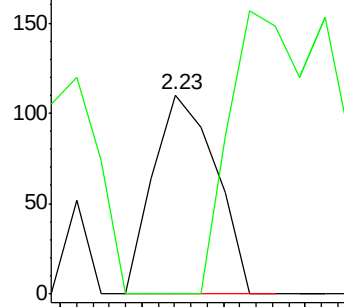
56 100

55 233.1 55.8 83.8#

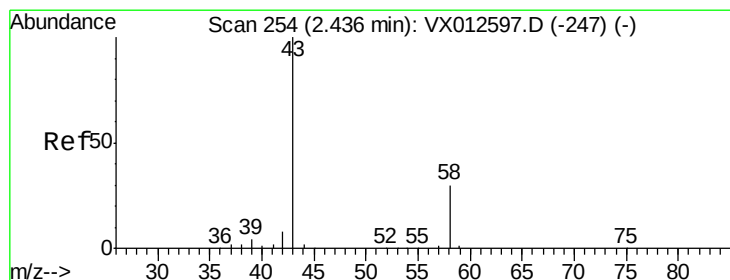
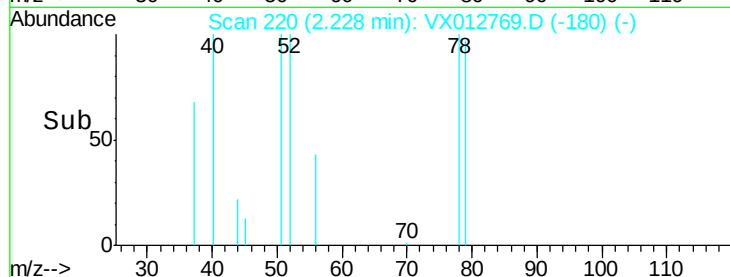


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 1.421 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012769.D

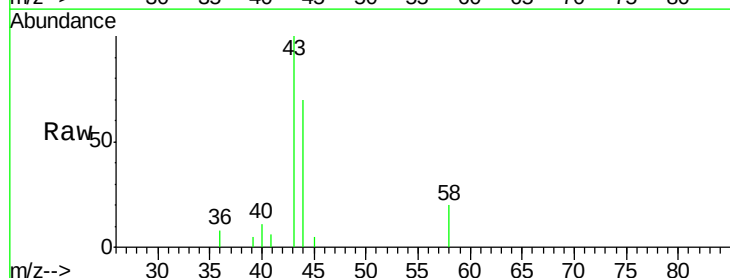
Acq: 02 Oct 2019 19:10

Tgt Ion: 43 Resp: 1841

Ion Ratio Lower Upper

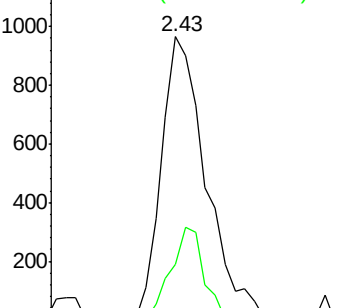
43 100

58 19.6 23.3 34.9#

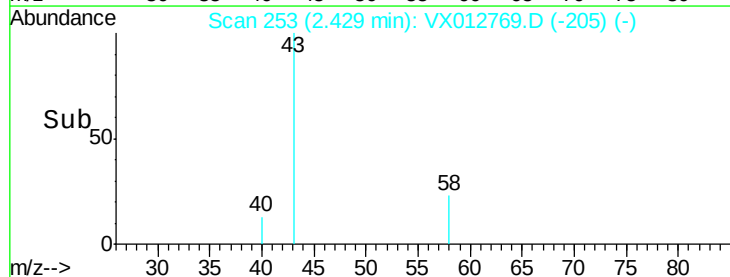


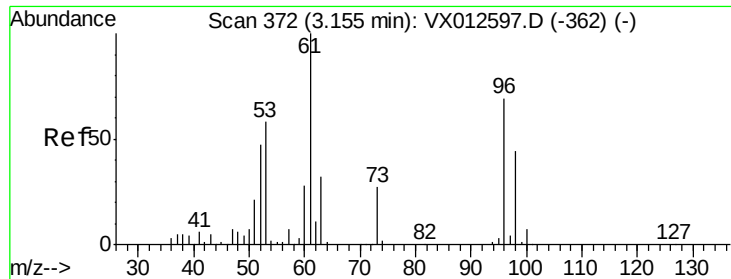
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#21

trans-1,2-Dichloroethene

Concen: 8.450 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012769.D

Acq: 02 Oct 2019 19:10

Instrument :

MSVOA_X

ClientSampleId :

S49-0540

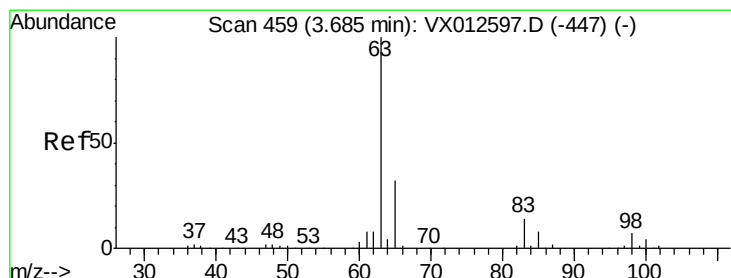
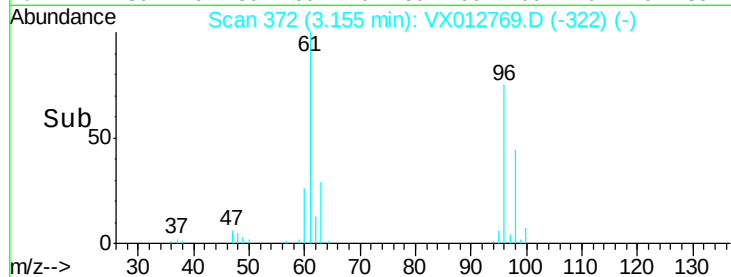
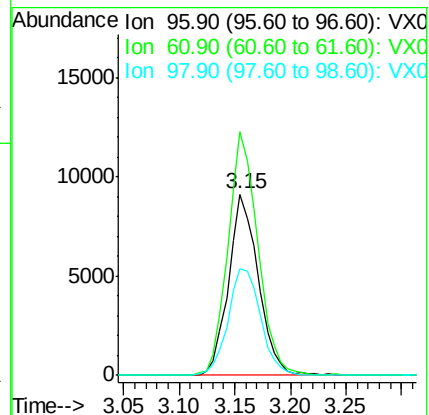
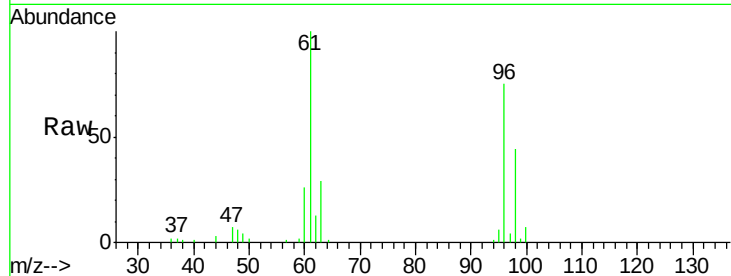
Tot Ion: 96 Resp: 16906

Ion Ratio Lower Upper

96 100

61 134.2 112.0 168.0

98 58.5 47.8 71.8



#24

1,1-Dichloroethane

Concen: 0.227 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012769.D

Acq: 02 Oct 2019 19:10

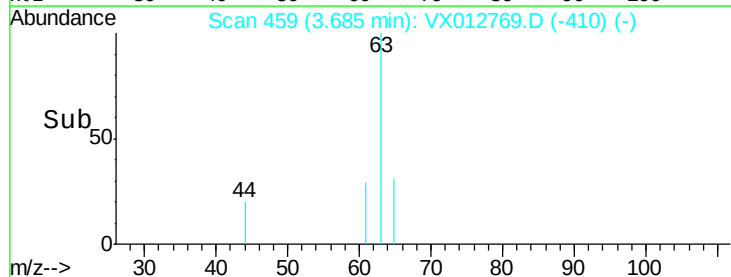
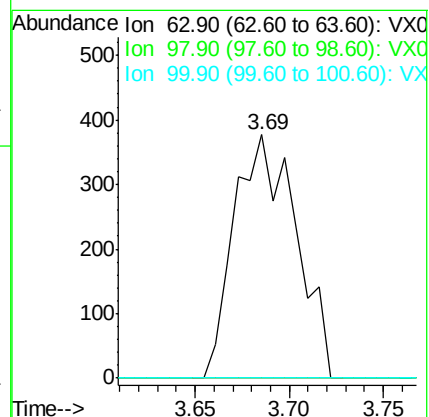
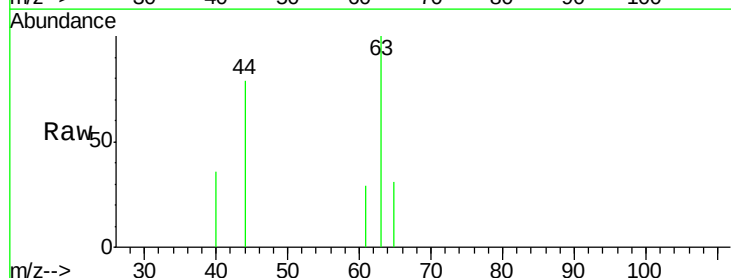
Tgt Ion: 63 Resp: 855

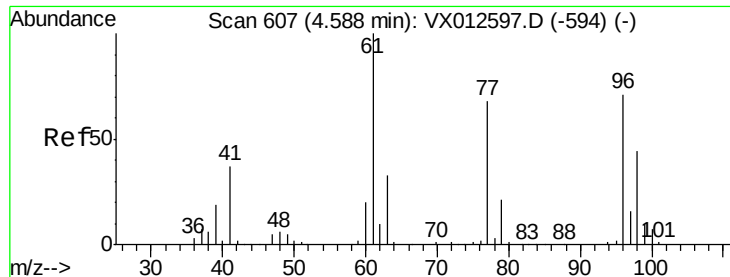
Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.7#

100 0.0 2.3 6.9#



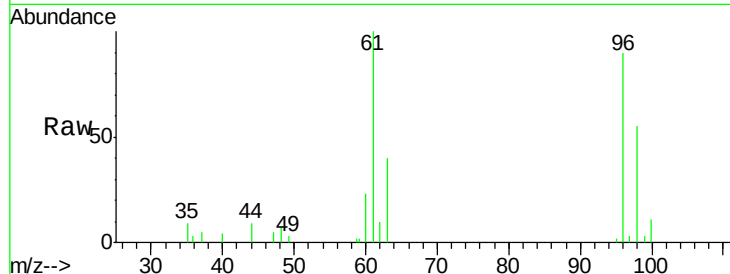


#27

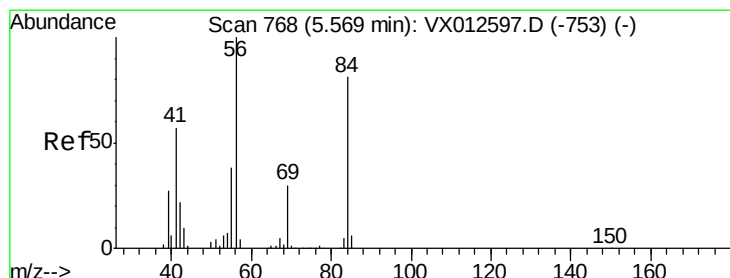
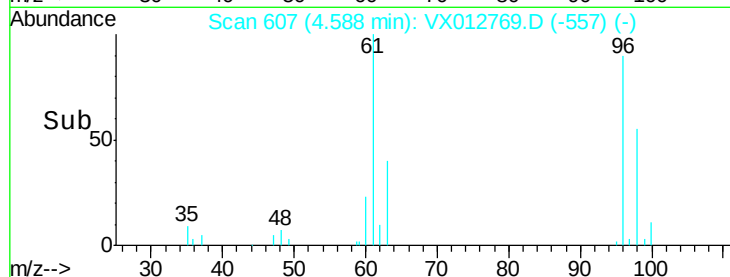
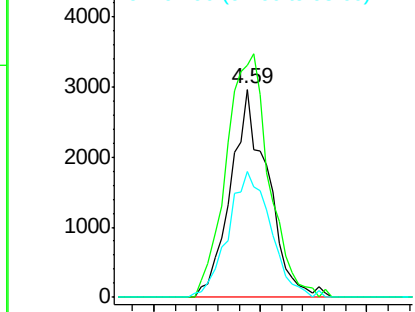
cis-1,2-Dichloroethene
Concen: 3.144 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012769.D
Acq: 02 Oct 2019 19:10

Instrument :
MSVOA_X
ClientSampleId :
S49-0540

Tot Ion: 96 Resp: 7300
Ion Ratio Lower Upper
96 100
61 133.9 0.0 319.4
98 68.8 0.0 130.6



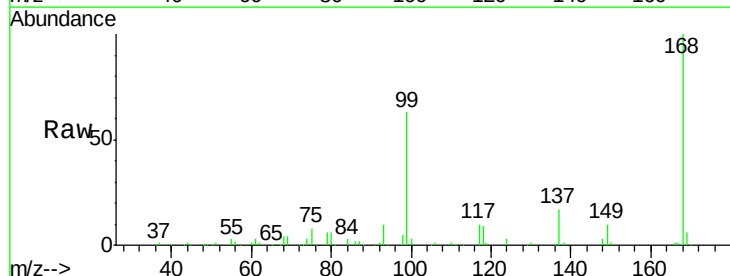
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



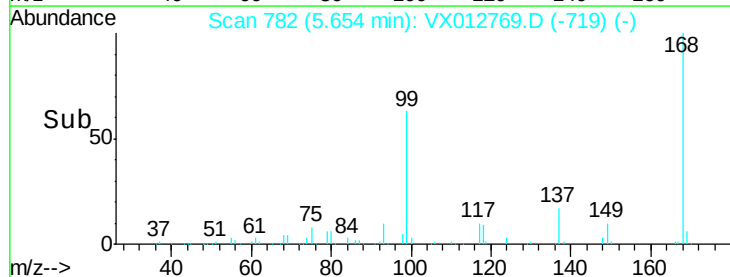
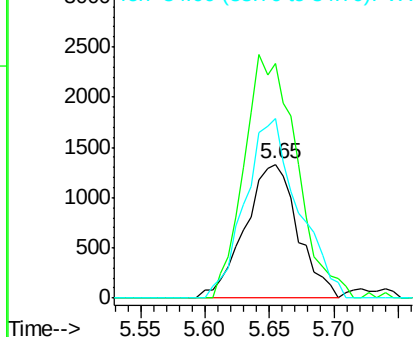
#31

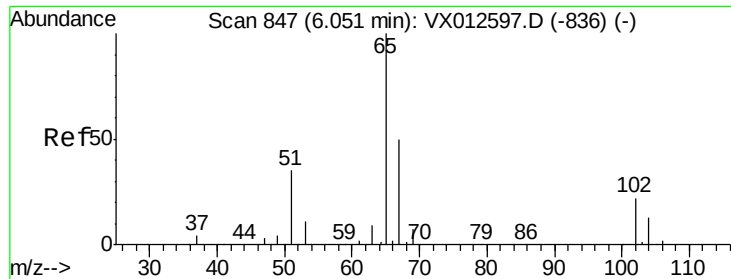
Cyclohexane
Concen: 1.113 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012769.D
Acq: 02 Oct 2019 19:10

Tgt Ion: 56 Resp: 3790
Ion Ratio Lower Upper
56 100
69 175.4 25.0 37.6#
84 134.5 66.4 99.6#



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

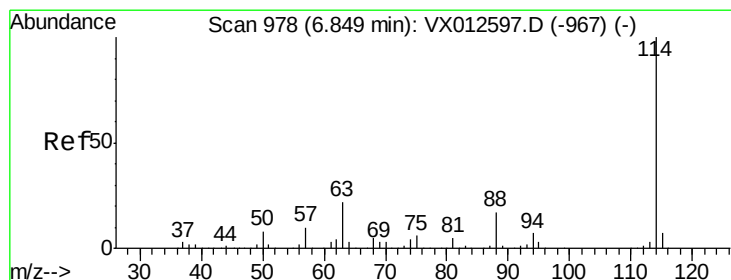
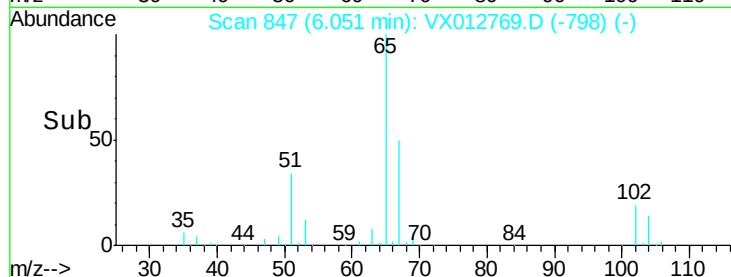
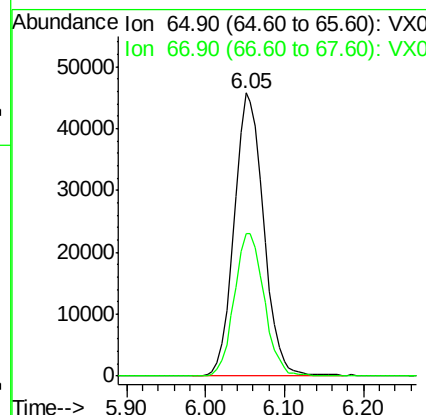
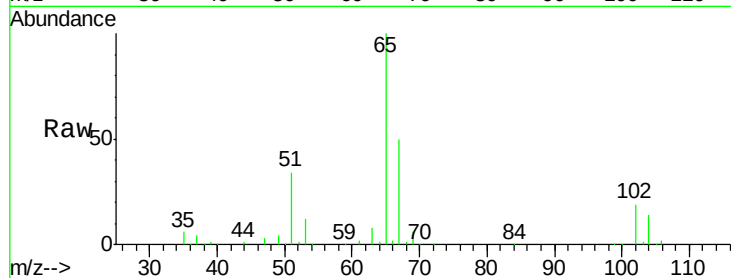




#33
 1,2-Dichloroethane-d4
 Concen: 48.427 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012769.D
 Acq: 02 Oct 2019 19:10

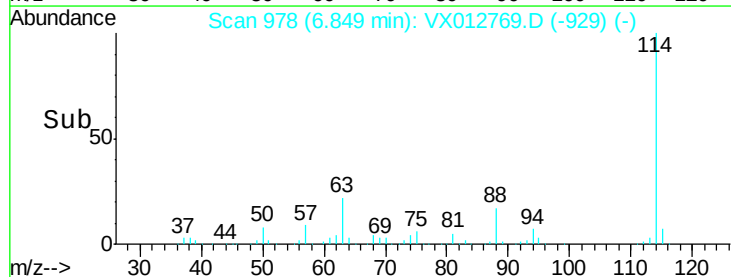
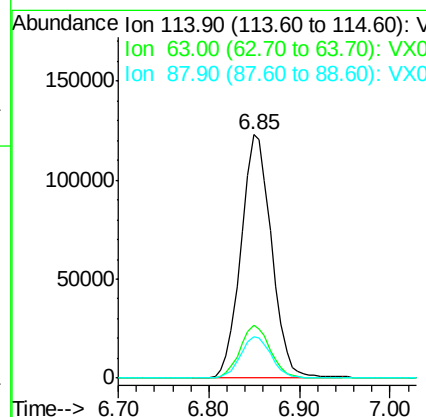
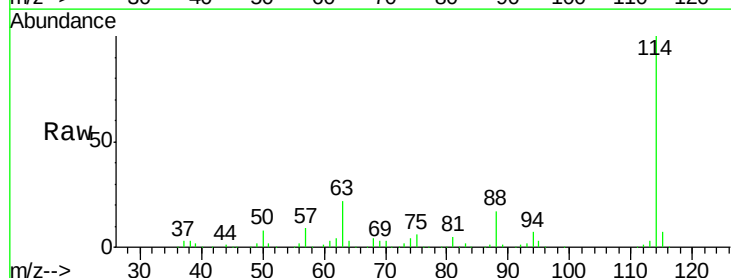
Instrument :
 MSVOA_X
 ClientSampled :
 S49-0540

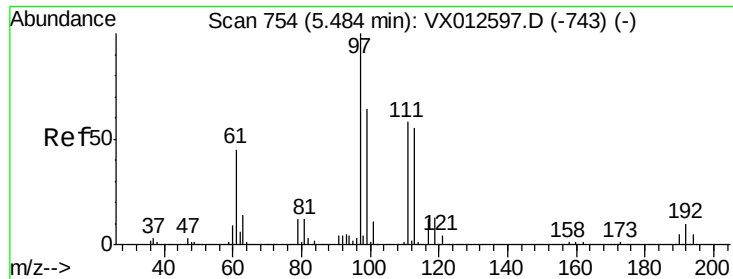
Tot Ion: 65 Resp: 118454
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012769.D
 Acq: 02 Oct 2019 19:10

Tgt Ion: 114 Resp: 287376
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 17.2 0.0 33.2

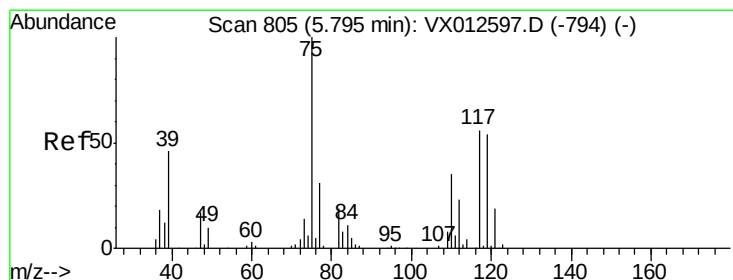
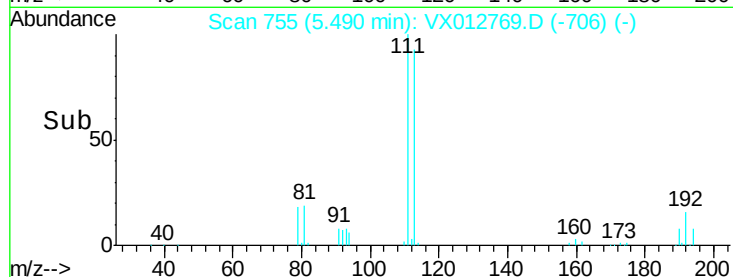
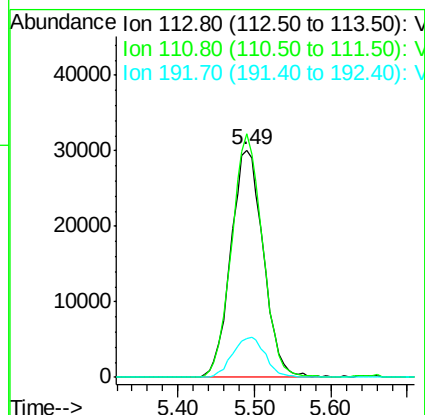
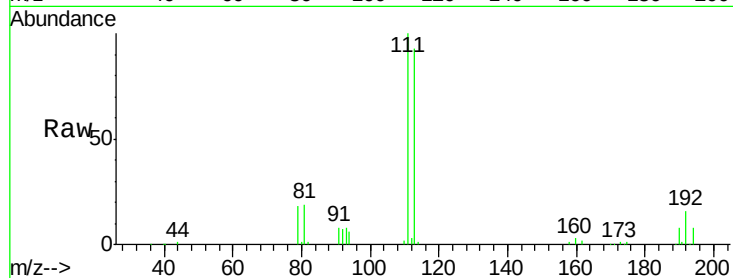




#35
 Dibromofluoromethane
 Concen: 51.622 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012769.D
 Acq: 02 Oct 2019 19:10

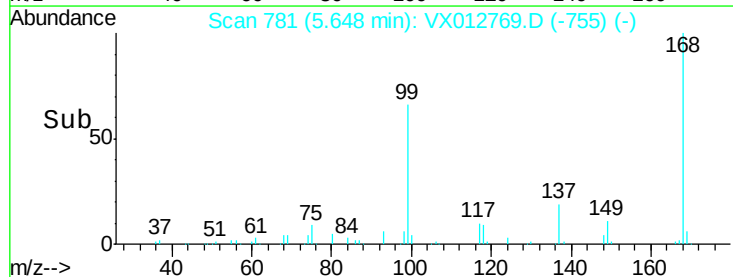
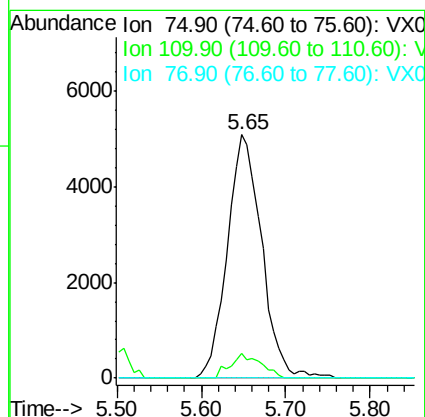
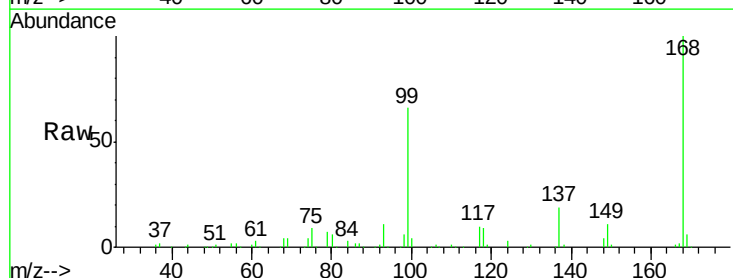
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0540

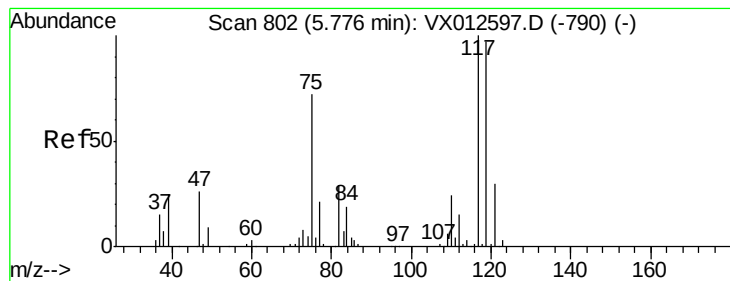
Tot Ion:113 Resp: 88349
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.4 125.2
 192 17.7 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 5.089 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012769.D
 Acq: 02 Oct 2019 19:10

Tgt Ion: 75 Resp: 14097
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.7 50.0#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.425 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012769.D

Acq: 02 Oct 2019 19:10

Instrument :

MSVOA_X

ClientSampleId :

S49-0540

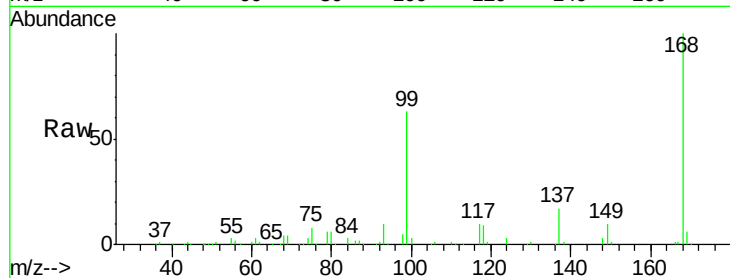
Tot Ion:117 Resp: 18079

Ion Ratio Lower Upper

117 100

119 6.6 75.7 113.5#

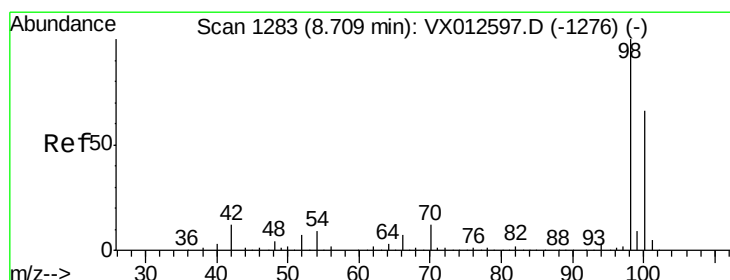
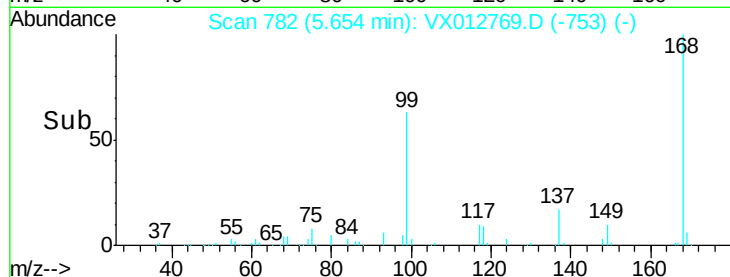
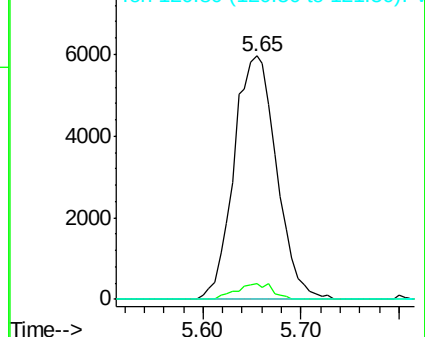
121 0.0 24.2 36.4#



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: 51.098 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012769.D

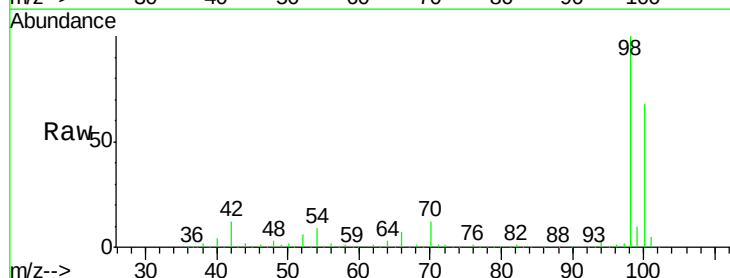
Acq: 02 Oct 2019 19:10

Tgt Ion: 98 Resp: 336784

Ion Ratio Lower Upper

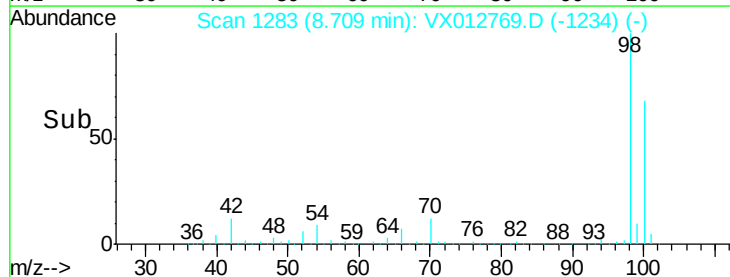
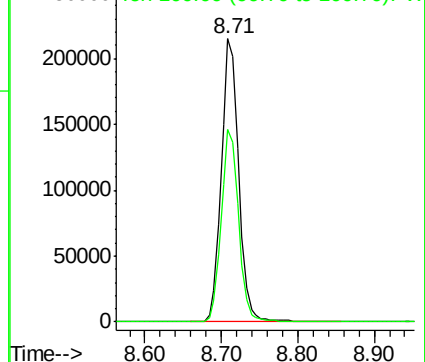
98 100

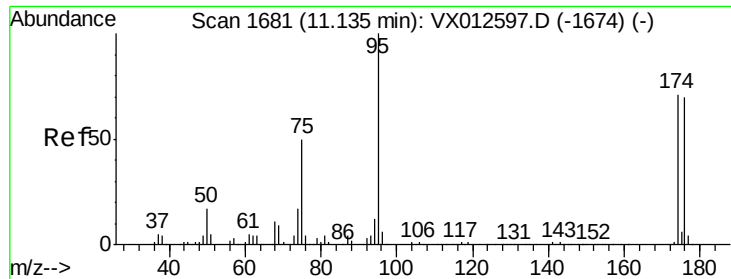
100 68.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

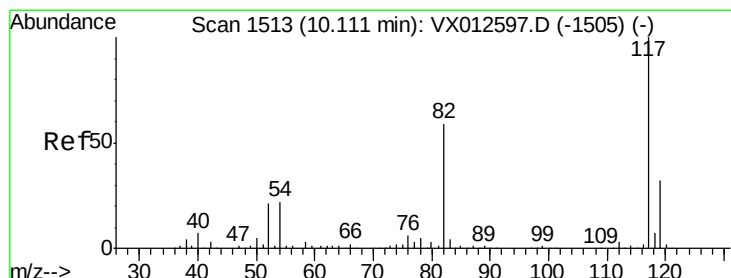
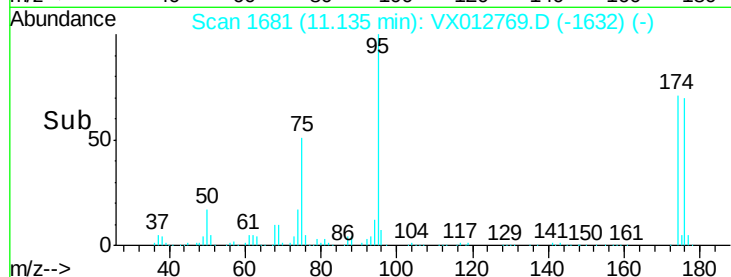
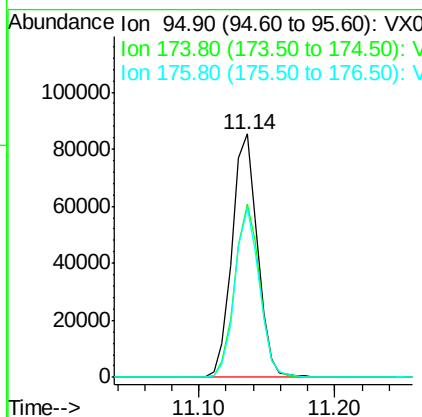
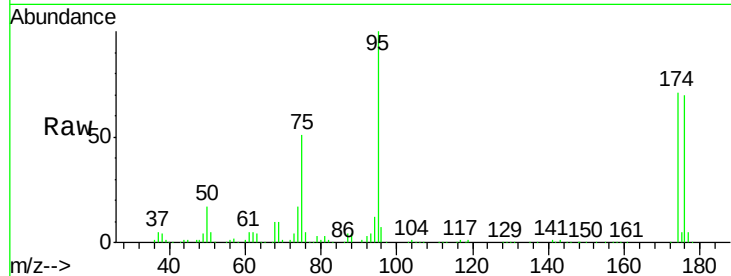




#62
4-Bromofluorobenzene
Concen: 42.947 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012769.D
Acq: 02 Oct 2019 19:10

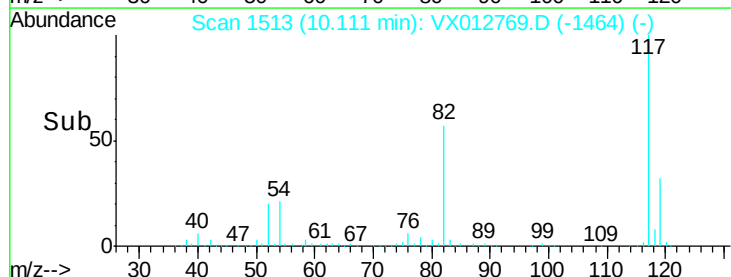
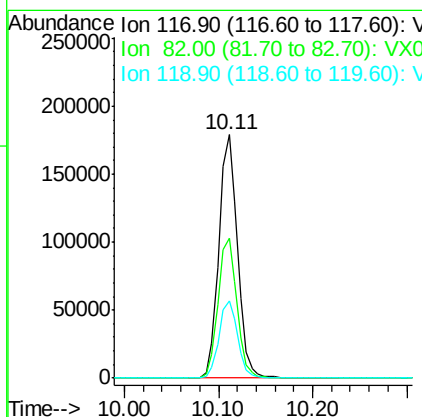
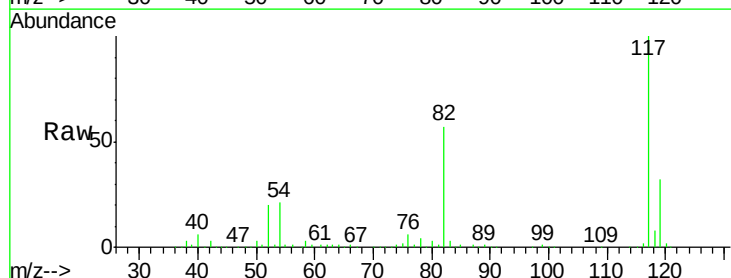
Instrument :
MSVOA_X
ClientSampled :
S49-0540

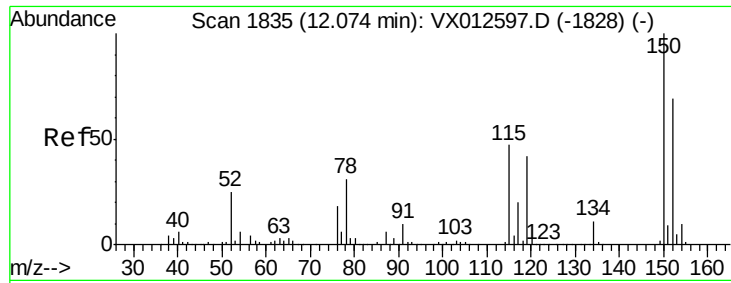
Tot Ion: 95 Resp: 111301
Ion Ratio Lower Upper
95 100
174 70.1 0.0 140.0
176 67.5 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012769.D
Acq: 02 Oct 2019 19:10

Tgt Ion: 117 Resp: 245654
Ion Ratio Lower Upper
117 100
82 57.4 45.9 68.9
119 31.7 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012769.D

Acq: 02 Oct 2019 19:10

Instrument :

MSVOA_X

ClientSampleId :

S49-0540

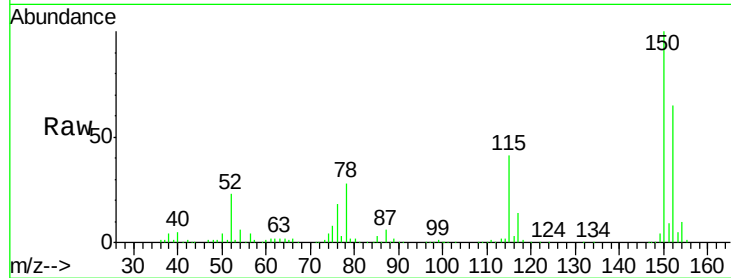
Tot Ion:152 Resp: 93854

Ion Ratio Lower Upper

152 100

115 62.7 44.1 132.3

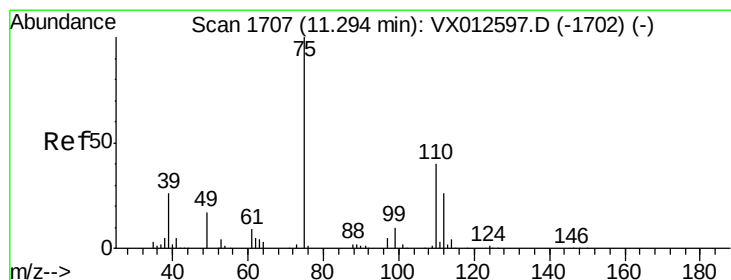
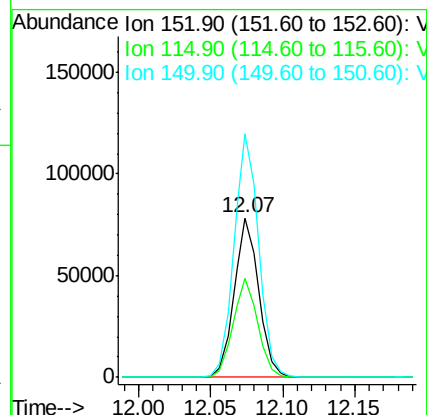
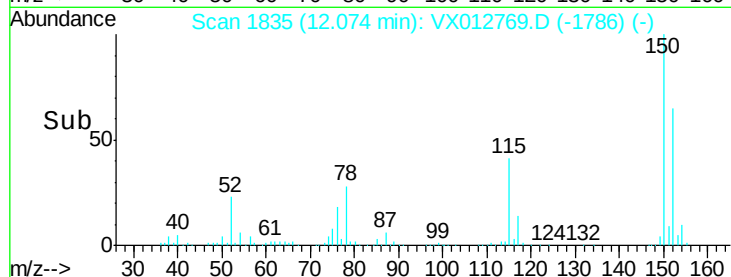
150 154.2 0.0 343.8



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: 22.906 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012769.D

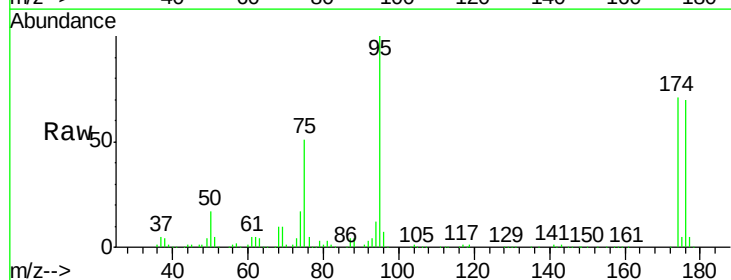
Acq: 02 Oct 2019 19:10

Tgt Ion: 75 Resp: 56869

Ion Ratio Lower Upper

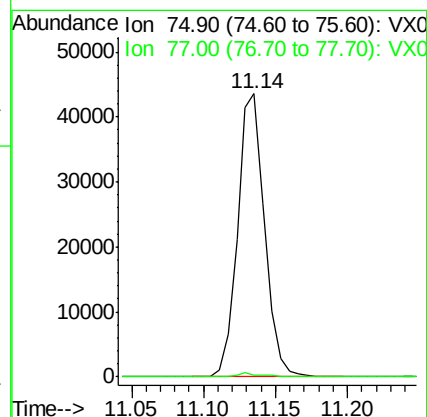
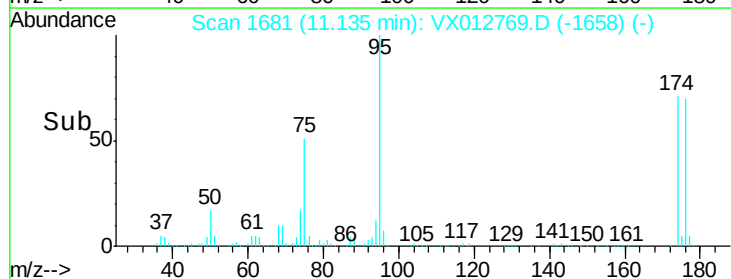
75 100

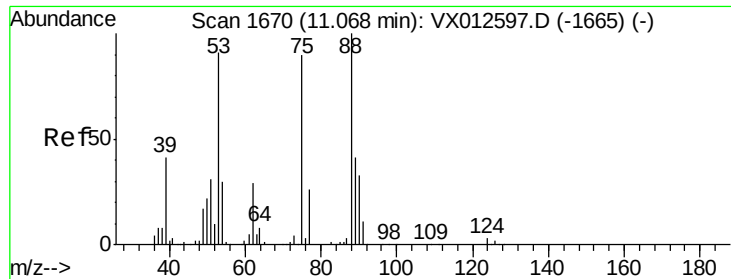
77 1.4 19.7 59.0#



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: 65.645 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012769.D

Acq: 02 Oct 2019 19:10

Instrument :

MSVOA_X

ClientSampleId :

S49-0540

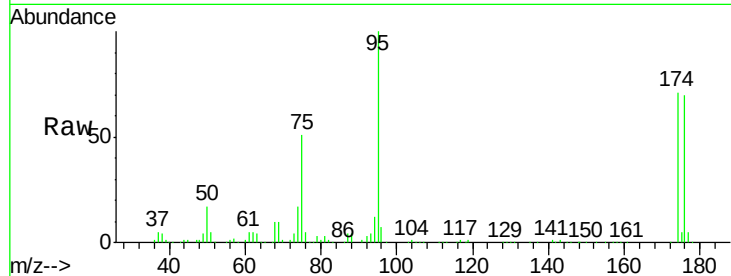
Tot Ion: 75 Resp: 56869

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

