

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071019\
 Data File : VX010770.D
 Acq On : 10 Jul 2019 12:29
 Operator : JC/SP
 Sample : K3734-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-GMZ1-TB1

Quant Time: Jul 11 01:13:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	216839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343310	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	142403	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	110663	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
35) Dibromofluoromethane	5.50	113	105756	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	8.71	98	407072	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	11.13	95	136842	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	

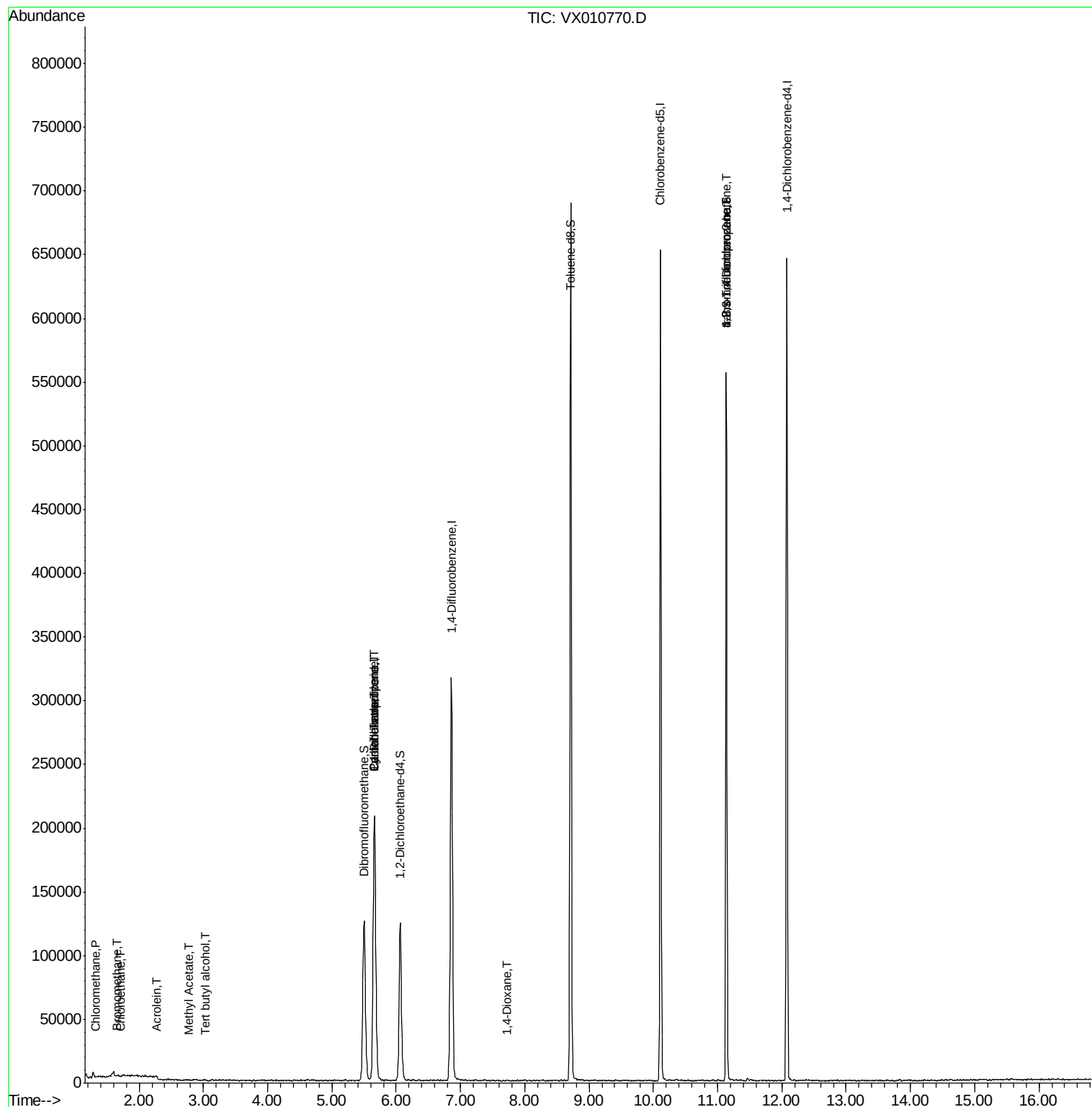
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	514	0.293	ug/l #	42
5) Bromomethane	1.65	94	656	0.700	ug/l #	64
6) Chloroethane	1.71	64	375	0.331	ug/l #	41
11) Tert butyl alcohol	3.04	59	115	0.216	ug/l #	24
13) Acrolein	2.28	56	260	0.737	ug/l #	68
18) Methyl Acetate	2.76	43	681	0.335	ug/l #	54
31) Cyclohexane	5.66	56	4025	1.371	ug/l #	10
36) 1,1-Dichloropropene	5.67	75	13898	5.094	ug/l #	48
38) Carbon Tetrachloride	5.67	117	19723	6.676	ug/l #	14
49) 1,4-Dioxane	7.72	88	21	0.338	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65890	25.392	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	65890	59.236	ug/l #	16

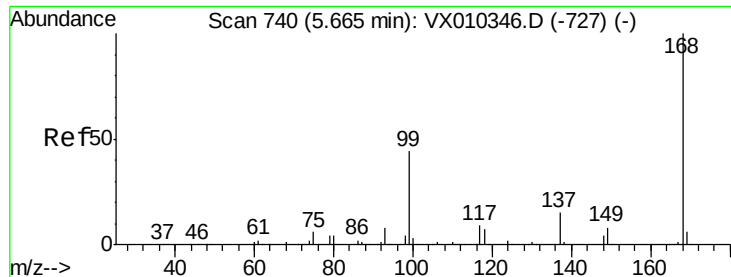
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010770.D

Acq: 10 Jul 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

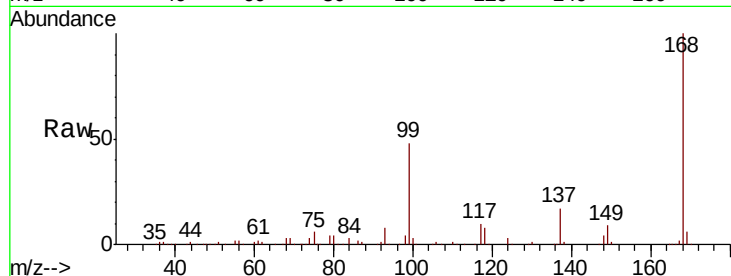
SP19-GMZ1-TB1

Tot Ion:168 Resp: 216839

Ion Ratio Lower Upper

168 100

99 48.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

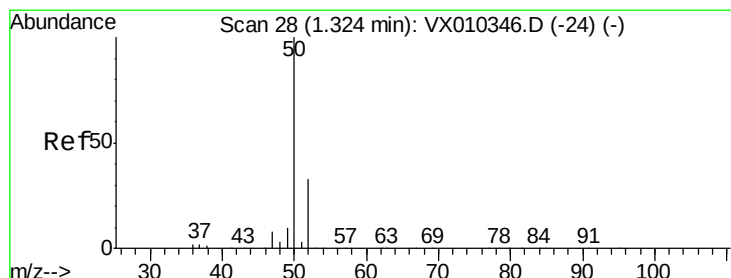
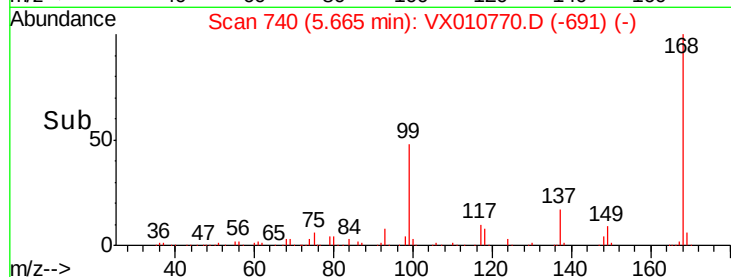
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.293 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010770.D

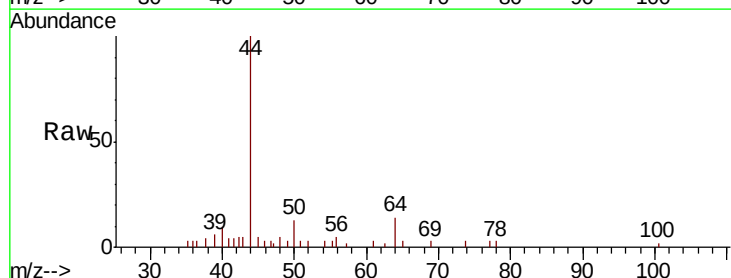
Acq: 10 Jul 2019 12:29

Tgt Ion: 50 Resp: 514

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

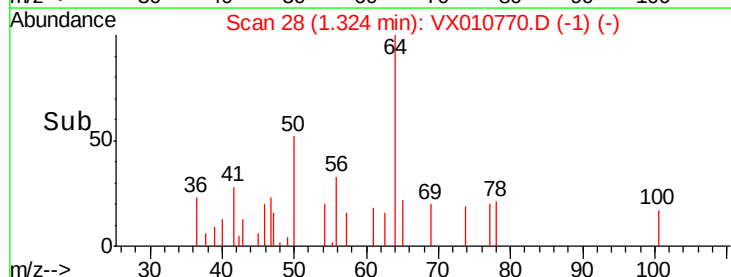
200

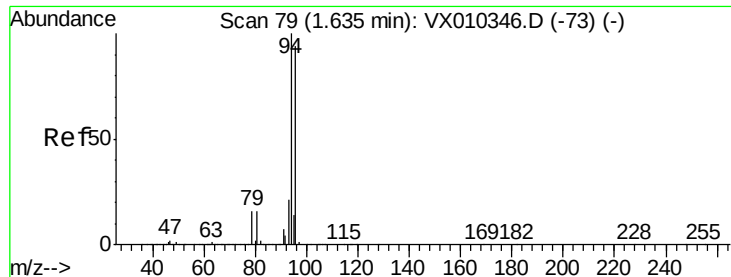
100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.700 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010770.D

Acq: 10 Jul 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

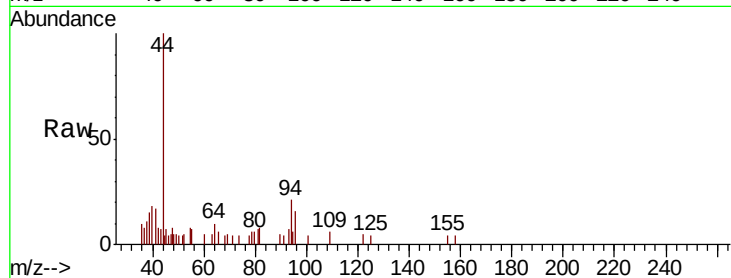
SP19-GMZ1-TB1

Tot Ion: 94 Resp: 656

Ion Ratio Lower Upper

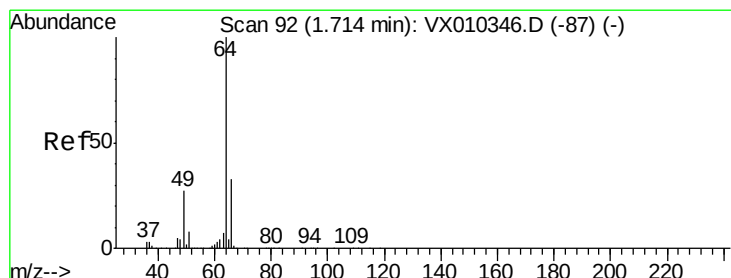
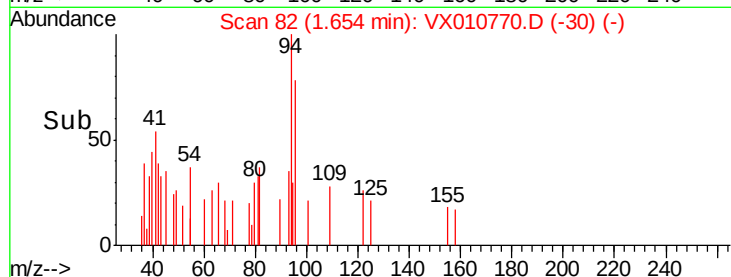
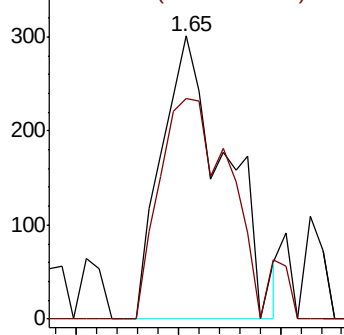
94 100

96 59.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.331 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX010770.D

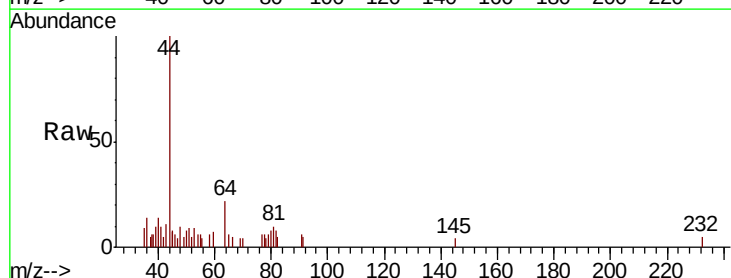
Acq: 10 Jul 2019 12:29

Tgt Ion: 64 Resp: 375

Ion Ratio Lower Upper

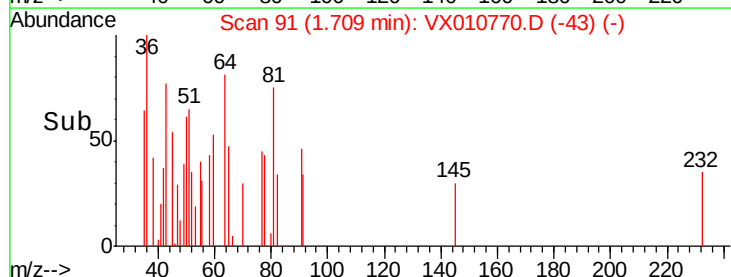
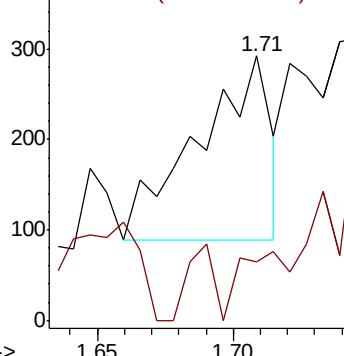
64 100

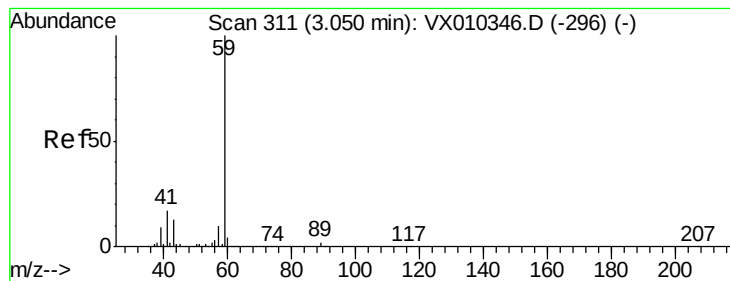
66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol

Concen: 0.216 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX010770.D

Acq: 10 Jul 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

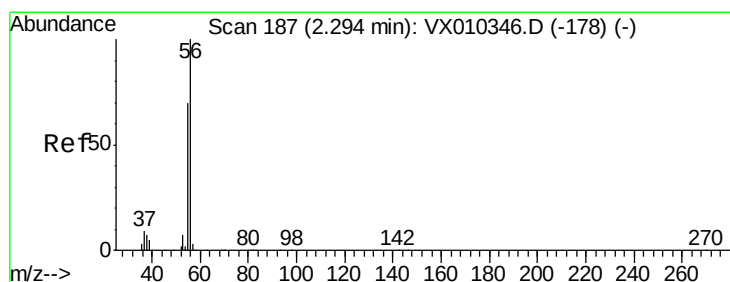
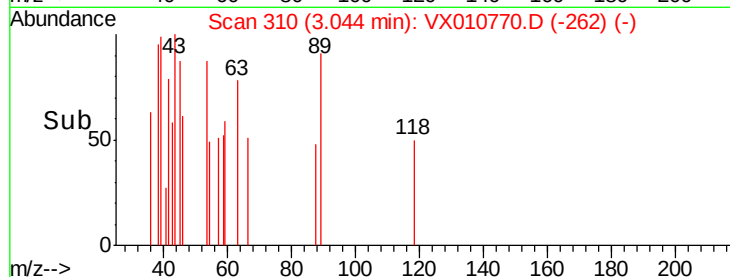
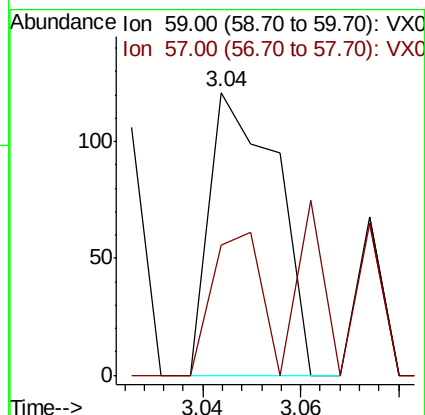
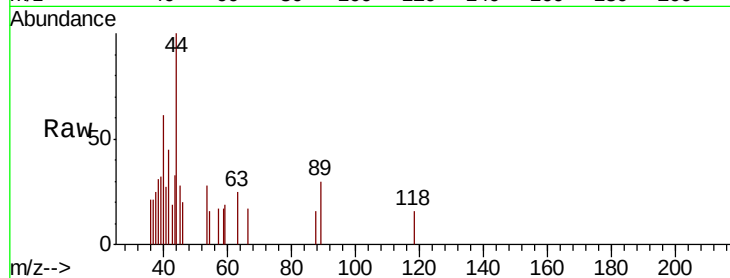
SP19-GMZ1-TB1

Tot Ion: 59 Resp: 115

Ion Ratio Lower Upper

59 100

57 37.4 7.7 11.5#



#13

Acrolein

Concen: 0.737 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010770.D

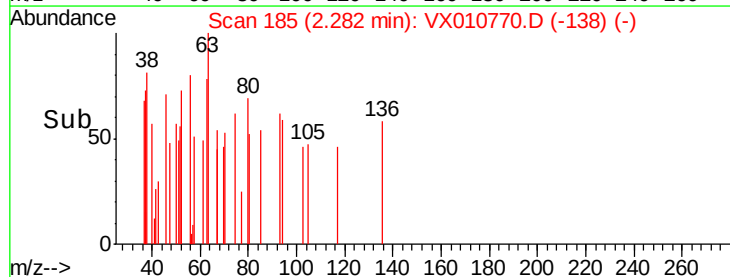
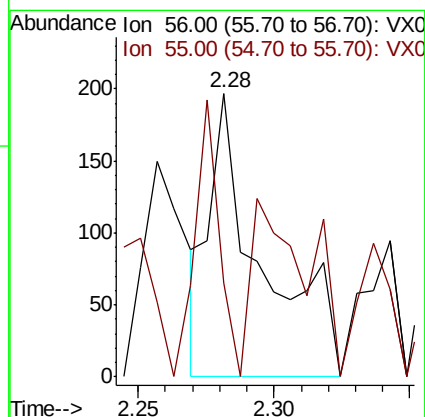
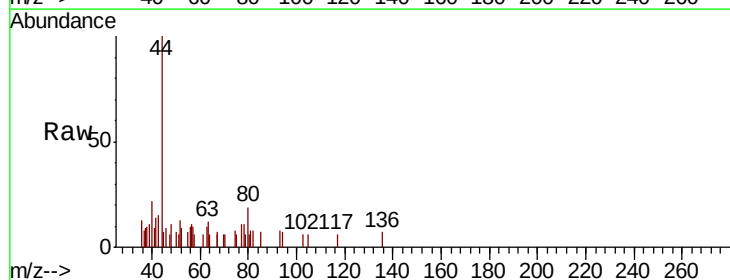
Acq: 10 Jul 2019 12:29

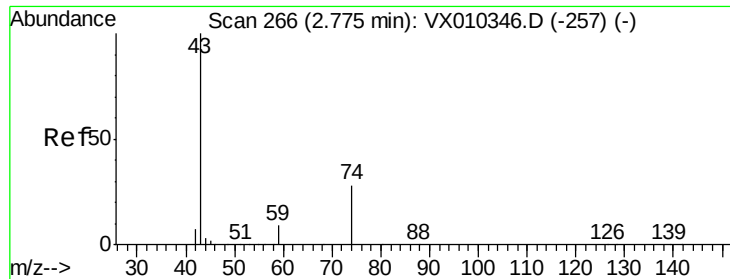
Tgt Ion: 56 Resp: 260

Ion Ratio Lower Upper

56 100

55 45.0 56.9 85.3#

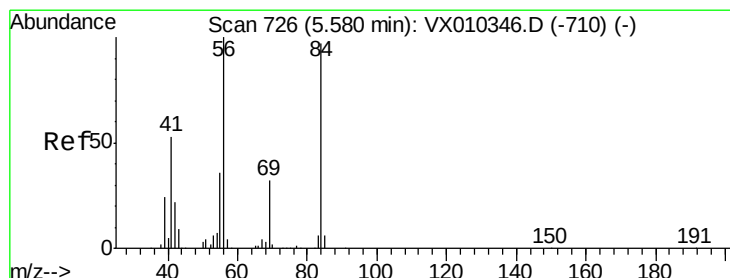
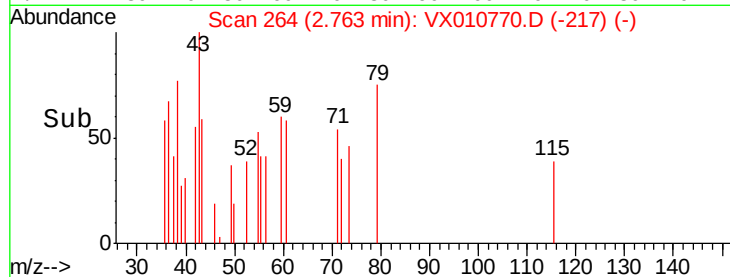
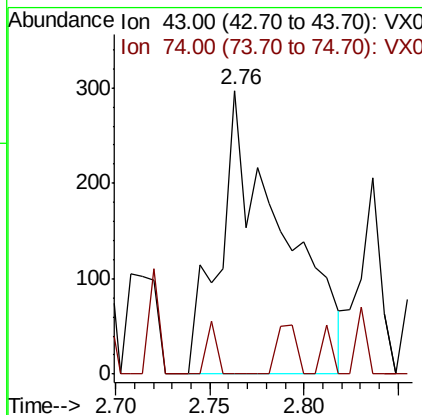
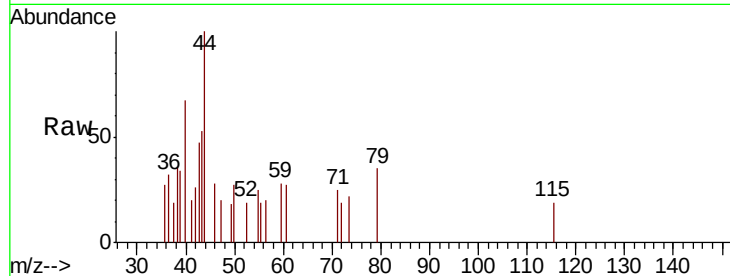




#18
Methvl Acetate
Concen: 0.335 ug/l
RT: 2.76 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX010770.D
Acq: 10 Jul 2019 12:29

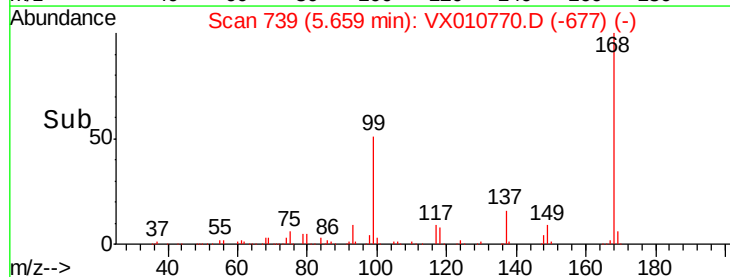
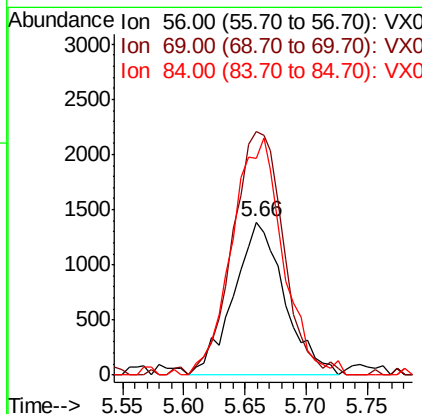
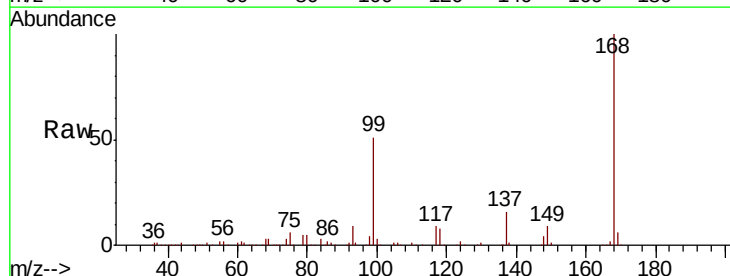
Instrument :
MSVOA_X
ClientSampleId :
SP19-GMZ1-TB1

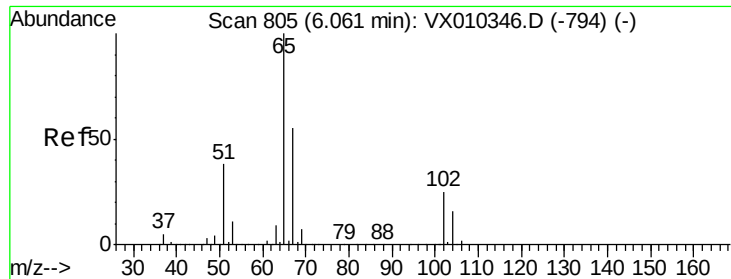
Tot Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
74 2.9 21.3 31.9#



#31
Cyclohexane
Concen: 1.371 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010770.D
Acq: 10 Jul 2019 12:29

Tgt Ion: 56 Resp: 4025
Ion Ratio Lower Upper
56 100
69 158.8 25.9 38.9#
84 141.7 78.0 117.0#

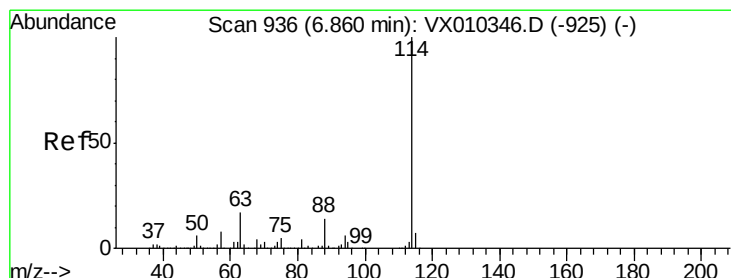
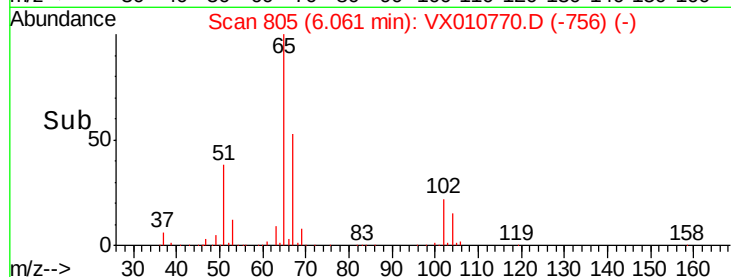
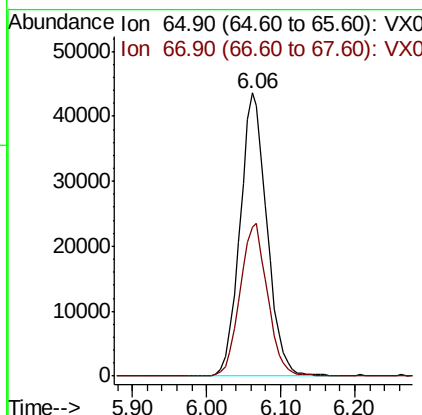
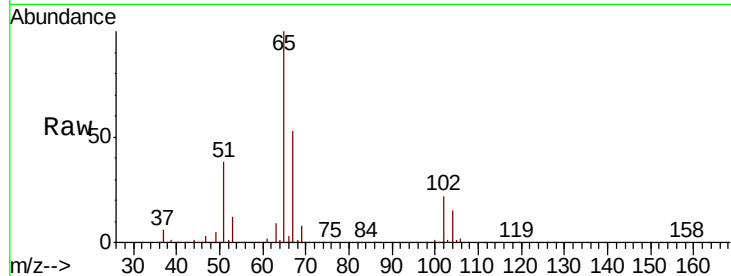




#33
 1,2-Dichloroethane-d4
 Concen: 54.431 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010770.D
 Acq: 10 Jul 2019 12:29

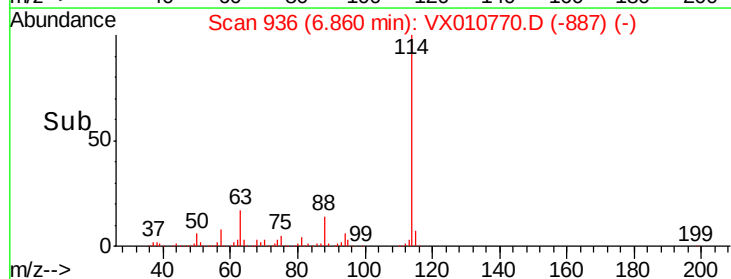
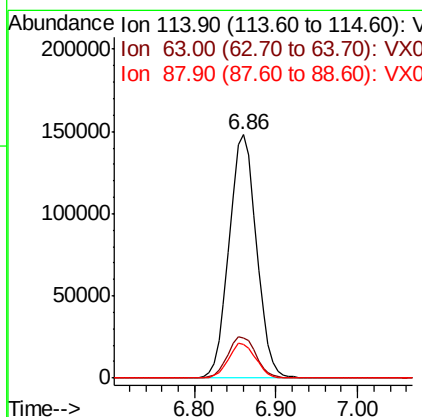
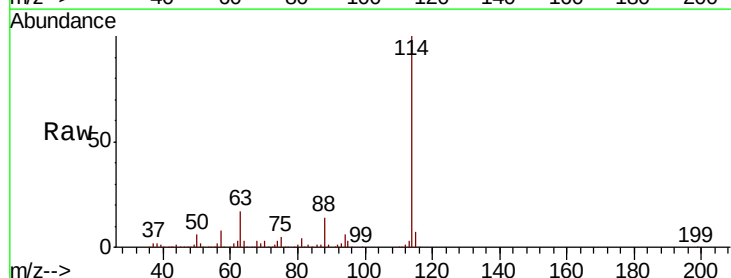
Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-GMZ1-TB1

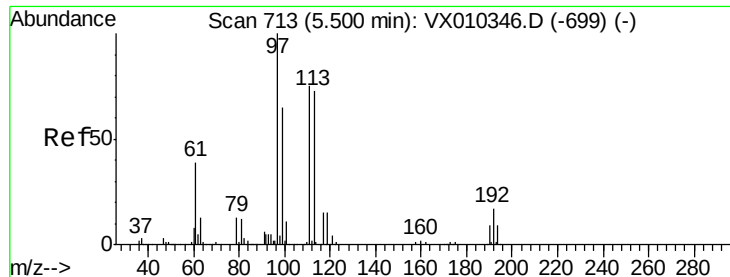
Tot Ion: 65 Resp: 110663
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010770.D
 Acq: 10 Jul 2019 12:29

Tgt Ion: 114 Resp: 343310
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 33.8
 88 13.6 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.348 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010770.D

Acq: 10 Jul 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

SP19-GMZ1-TB1

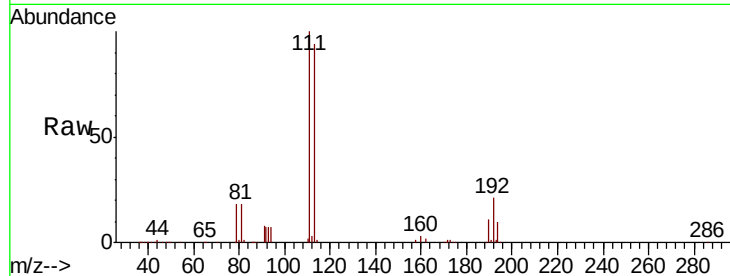
Tot Ion:113 Resp: 105756

Ion Ratio Lower Upper

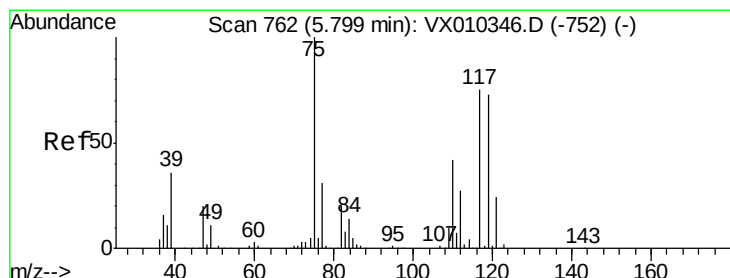
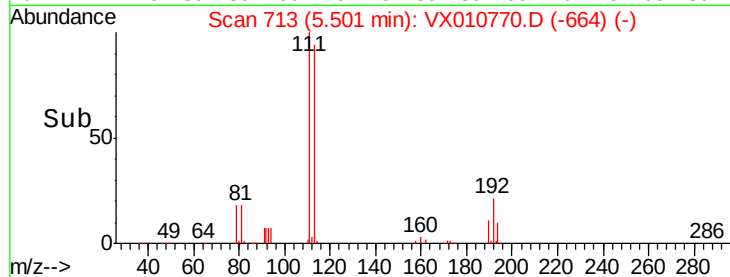
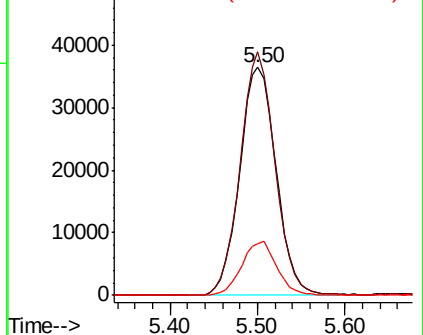
113 100

111 101.8 81.2 121.8

192 22.7 18.6 27.8



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: 5.094 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010770.D

Acq: 10 Jul 2019 12:29

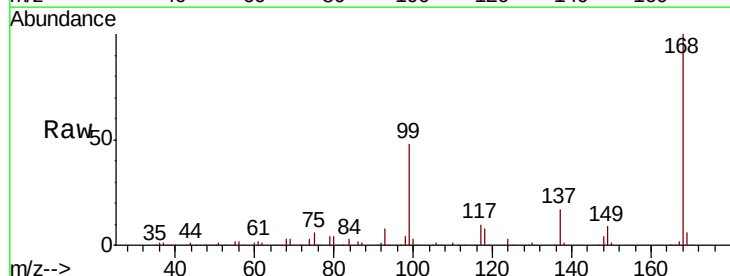
Tgt Ion: 75 Resp: 13898

Ion Ratio Lower Upper

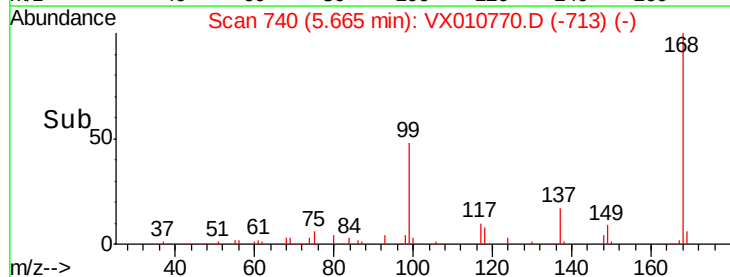
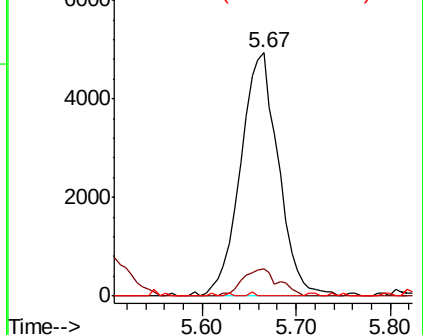
75 100

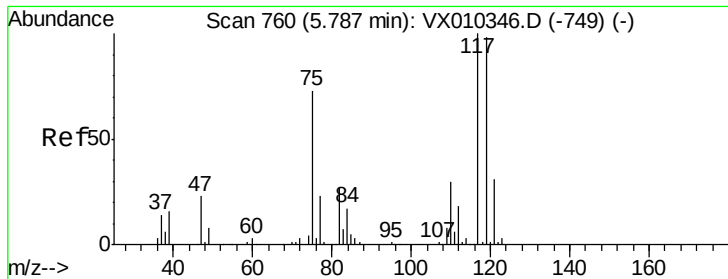
110 10.8 20.8 62.2#

77 0.2 25.4 38.0#



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: 6.676 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010770.D

Acq: 10 Jul 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

SP19-GMZ1-TB1

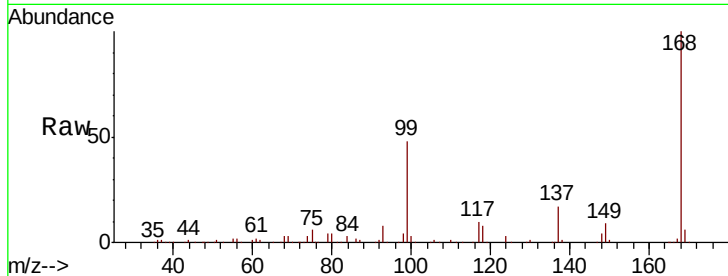
Tot Ion:117 Resp: 19723

Ion Ratio Lower Upper

117 100

119 3.4 78.2 117.4#

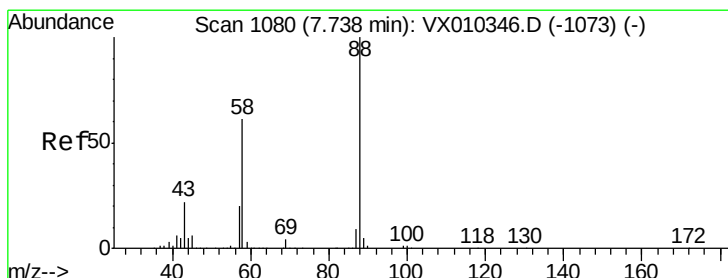
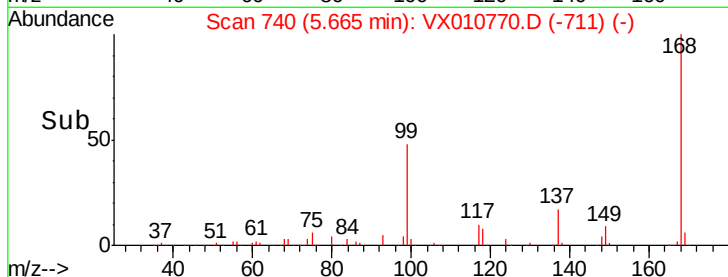
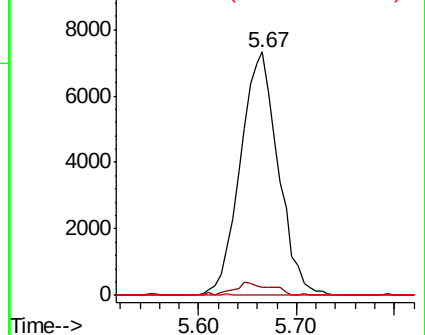
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.338 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VX010770.D

Acq: 10 Jul 2019 12:29

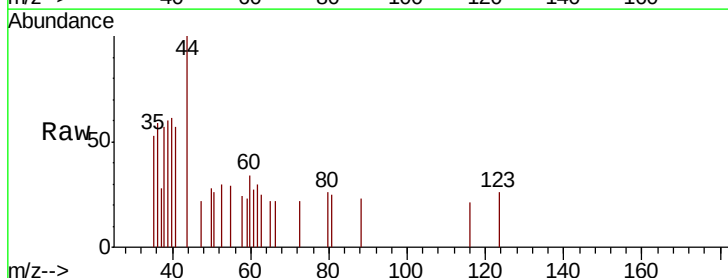
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 933.3 20.2 30.2#

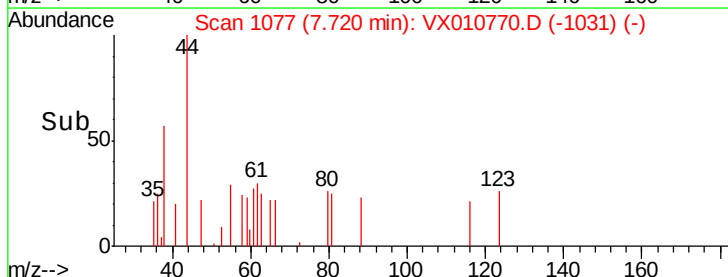
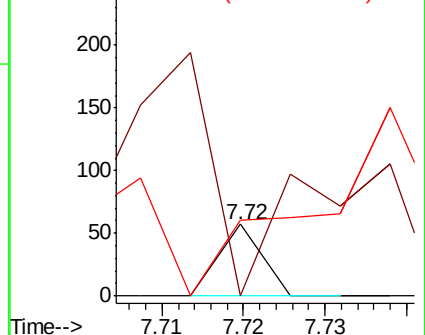
58 523.8 49.5 74.3#

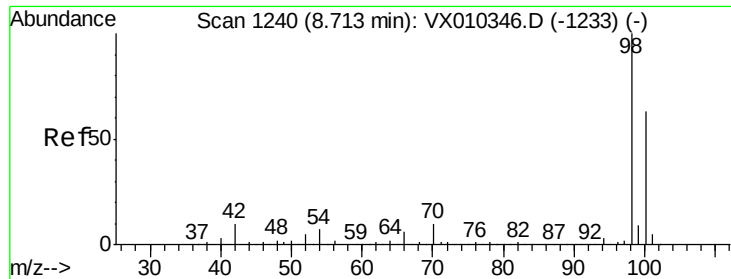


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

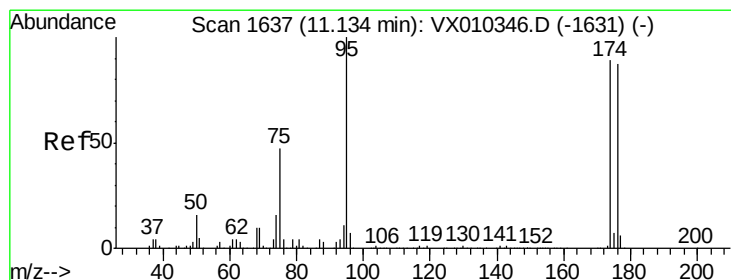
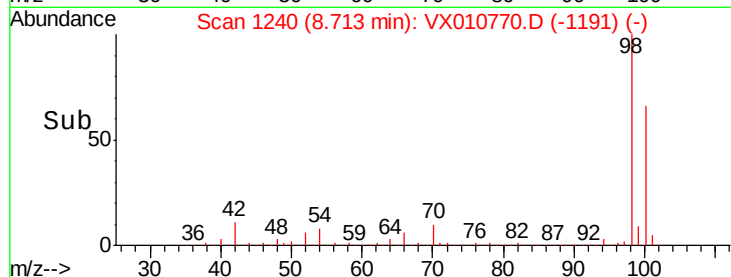
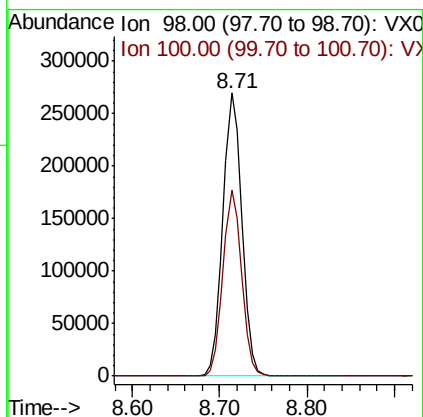
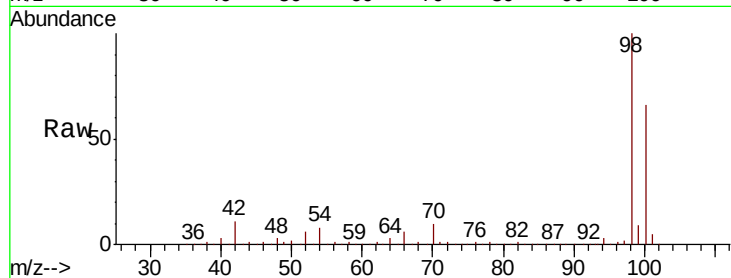




#50
Toluene-d8
Concen: 50.656 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010770.D
Acq: 10 Jul 2019 12:29

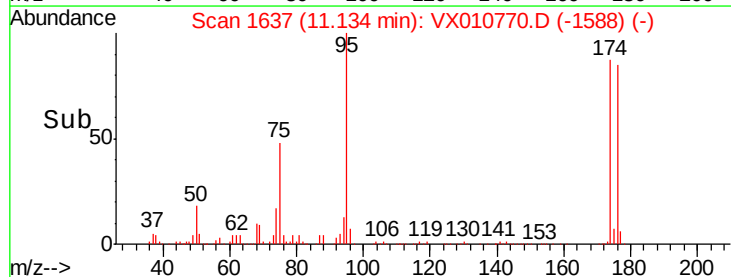
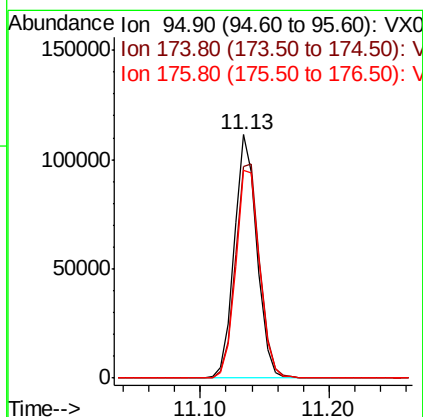
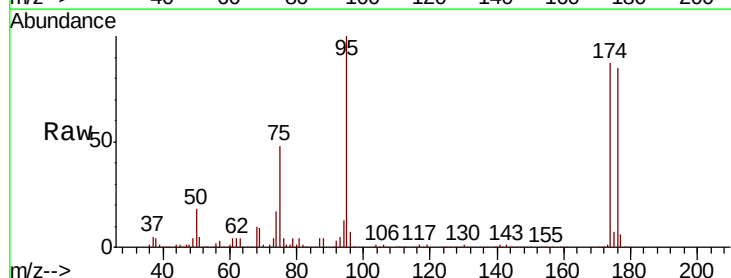
Instrument :
MSVOA_X
ClientSampleId :
SP19-GMZ1-TB1

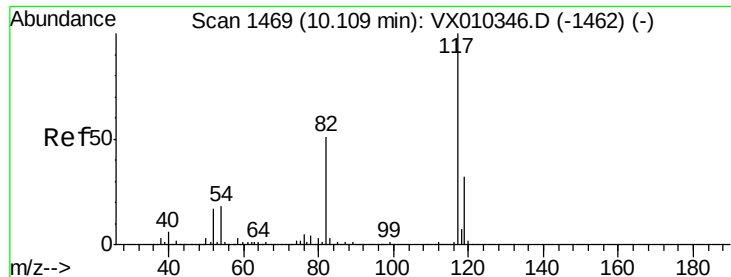
Tot Ion: 98 Resp: 407072
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 47.167 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010770.D
Acq: 10 Jul 2019 12:29

Tgt Ion: 95 Resp: 136842
Ion Ratio Lower Upper
95 100
174 94.2 0.0 187.6
176 90.0 0.0 184.0

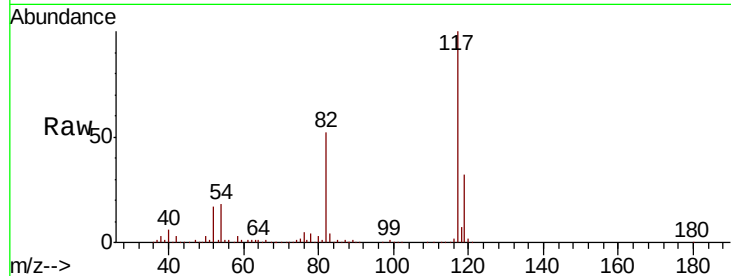




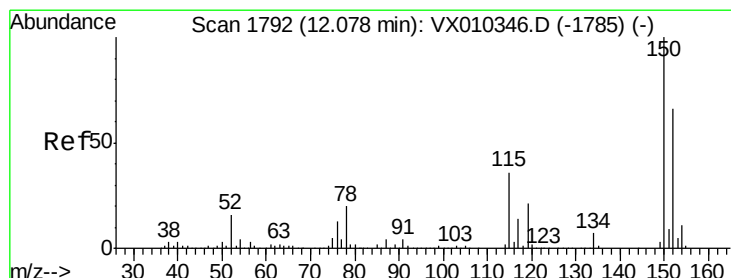
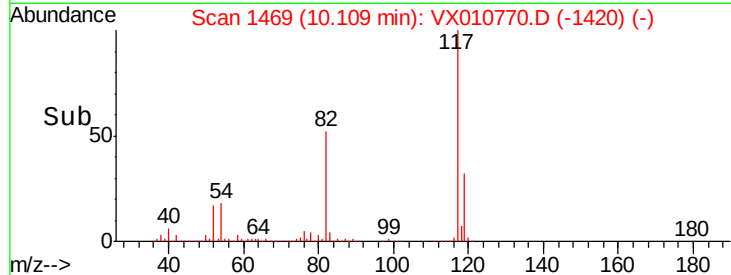
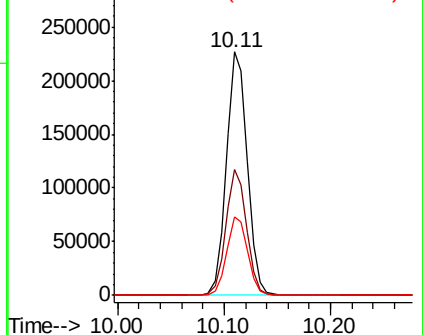
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010770.D
Acq: 10 Jul 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
SP19-GMZ1-TB1

Tot Ion:117 Resp: 311146
Ion Ratio Lower Upper
117 100
82 52.0 41.2 61.8
119 32.1 25.5 38.3

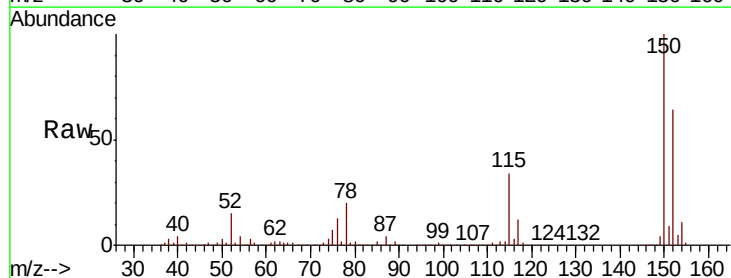


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

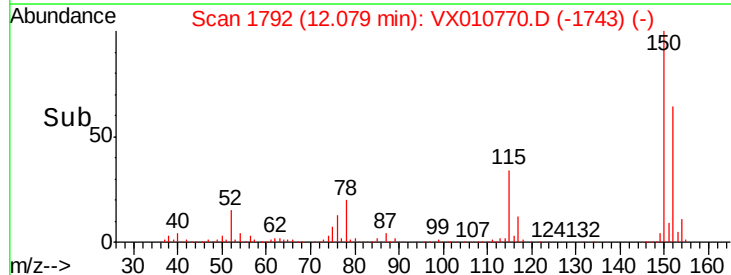
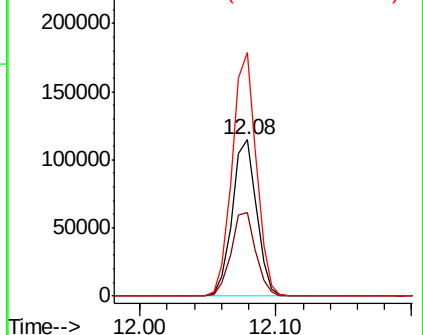


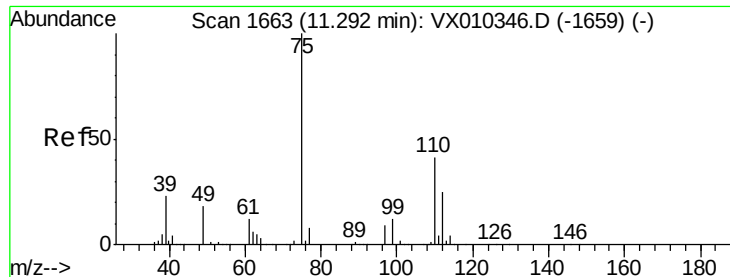
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010770.D
Acq: 10 Jul 2019 12:29

Tgt Ion:152 Resp: 142403
Ion Ratio Lower Upper
152 100
115 54.5 38.6 115.7
150 155.4 0.0 347.4



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: 25.392 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010770.D

Acq: 10 Jul 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

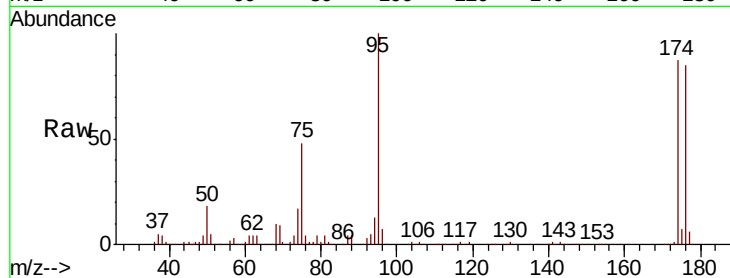
SP19-GMZ1-TB1

Tot Ion: 75 Resp: 65890

Ion Ratio Lower Upper

75 100

77 1.2 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

60000

50000

40000

30000

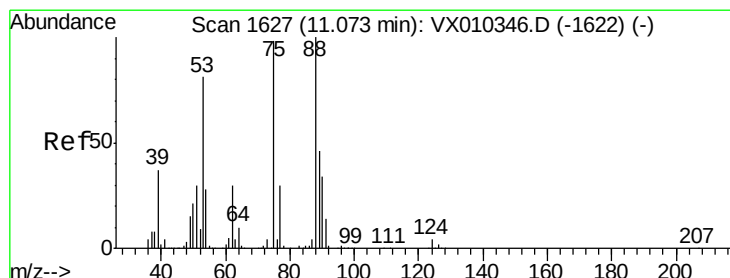
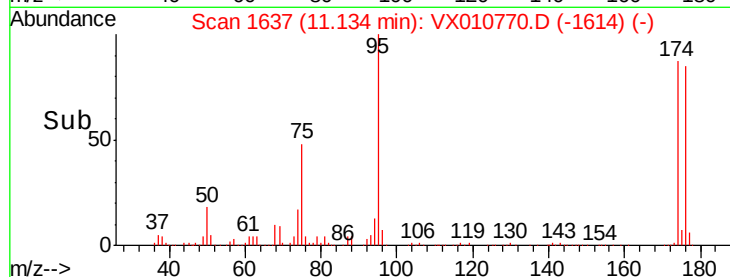
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 59.236 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010770.D

Acq: 10 Jul 2019 12:29

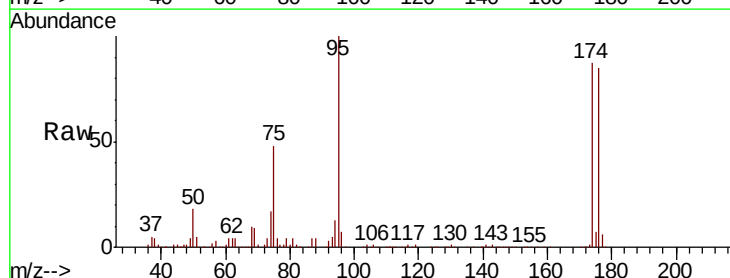
Tgt Ion: 75 Resp: 65890

Ion Ratio Lower Upper

75 100

53 0.3 66.1 99.1#

89 0.1 37.8 56.6#



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

60000

40000

20000

0

Time-->

11.10 11.20

