

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092619\
 Data File : VX012678.D
 Acq On : 26 Sep 2019 16:50
 Operator : JC/SP
 Sample : K5048-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0548

Quant Time: Sep 26 23:35:27 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	179184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	312465	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99218	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	132928	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
35) Dibromofluoromethane	5.49	113	93358	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	8.71	98	367227	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.13	95	127498	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	

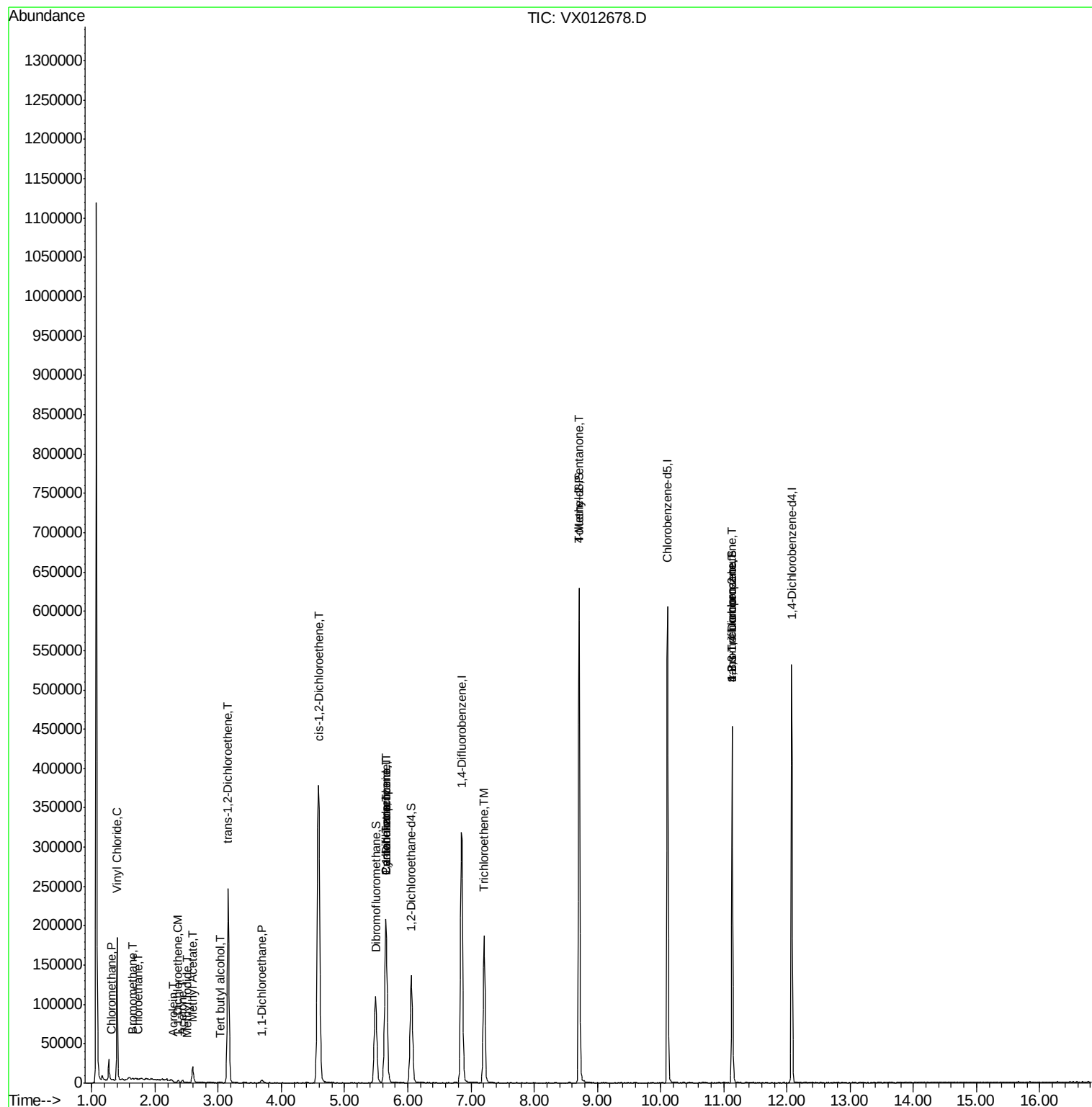
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	550	0.238	ug/l #	68
4) Vinyl Chloride	1.40	62	110485	48.022	ug/l	96
5) Bromomethane	1.64	94	460	0.509	ug/l #	41
6) Chloroethane	1.73	64	596	0.384	ug/l #	83
10) Methyl Iodide	2.51	142	87	4.991	ug/l #	35
11) Tert butyl alcohol	3.02	59	526	0.807	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	704	0.365	ug/l #	77
13) Acrolein	2.29	56	24	10.296	ug/l #	15
16) Acetone	2.43	43	3707	2.682	ug/l	91
18) Methyl Acetate	2.59	43	6027	1.852	ug/l #	54
21) trans-1,2-Dichloroethene	3.15	96	100738	47.198	ug/l	98
24) 1,1-Dichloroethane	3.70	63	3847	0.958	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	240360	97.056	ug/l	85
31) Cyclohexane	5.65	56	4623	1.273	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15829	5.256	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19972	6.528	ug/l #	16
44) Trichloroethene	7.21	130	70230	31.001	ug/l	97
51) 4-Methyl-2-Pentanone	8.71	43	1838	0.506	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65171	24.831	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	65171	71.161	ug/l #	8

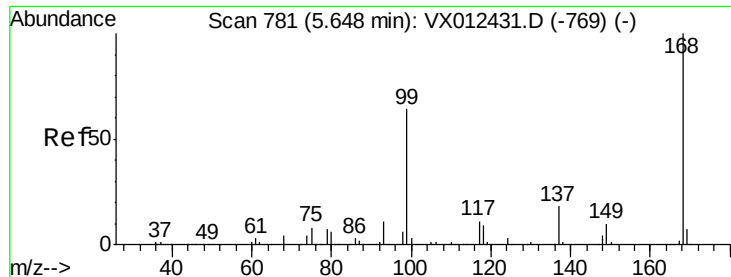
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Sep 26 23:35:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012678.D

Acq: 26 Sep 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

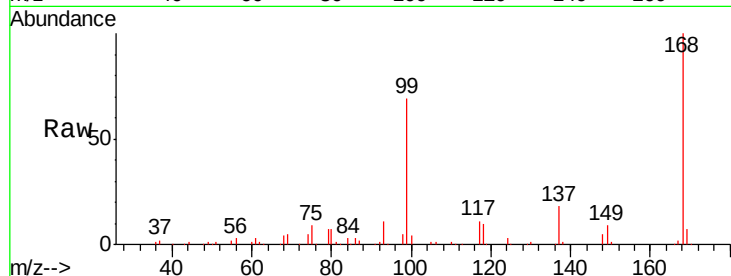
S49-0548

Tgt Ion:168 Resp: 179184

Ion Ratio Lower Upper

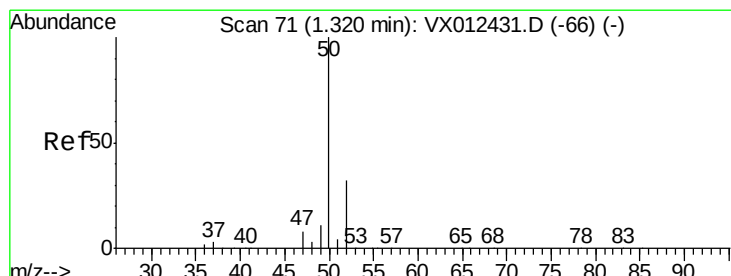
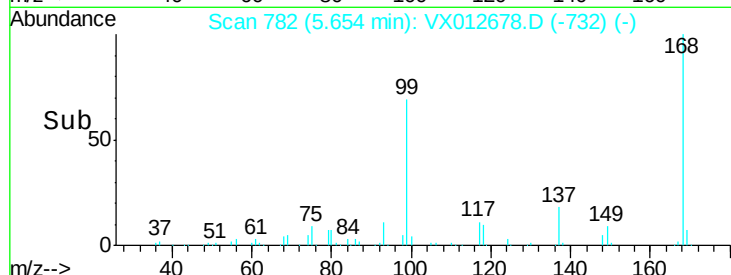
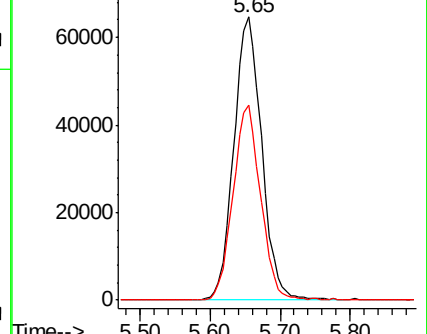
168 100

99 68.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.238 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012678.D

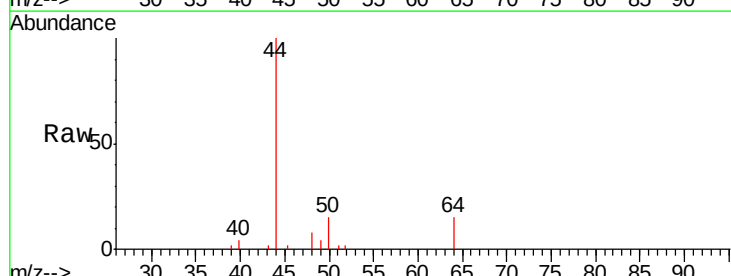
Acq: 26 Sep 2019 16:50

Tgt Ion: 50 Resp: 550

Ion Ratio Lower Upper

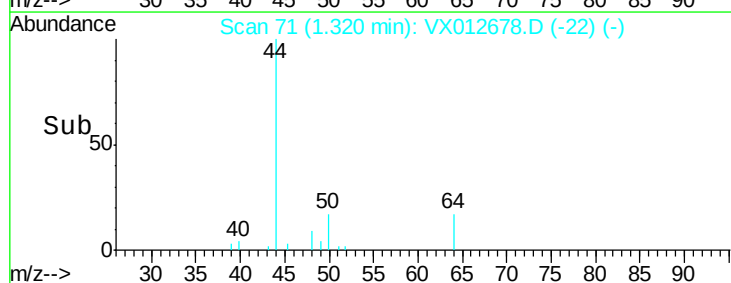
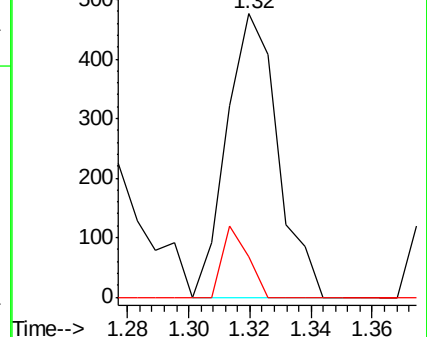
50 100

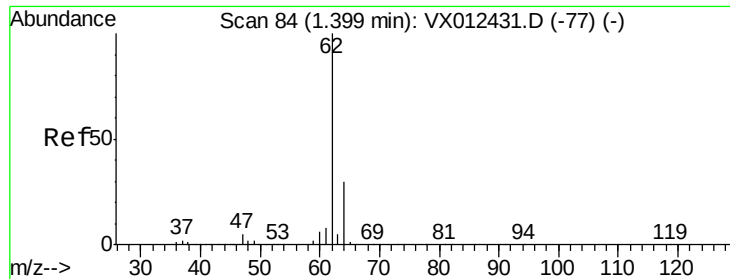
52 14.3 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 48.022 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012678.D

Acq: 26 Sep 2019 16:50

Instrument :

MSVOA_X

ClientSampled :

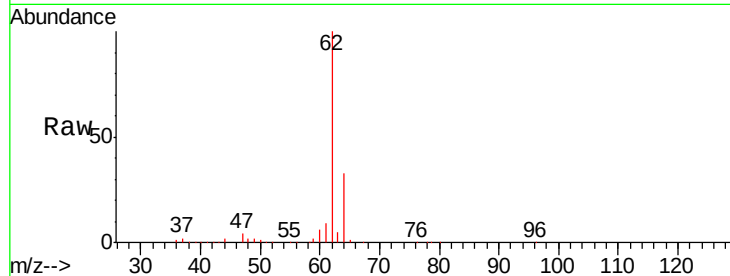
S49-0548

Tgt Ion: 62 Resp: 110485

Ion Ratio Lower Upper

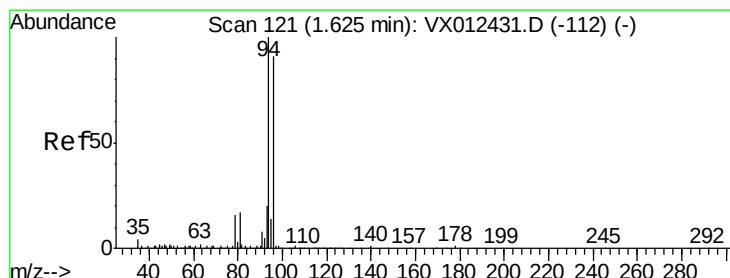
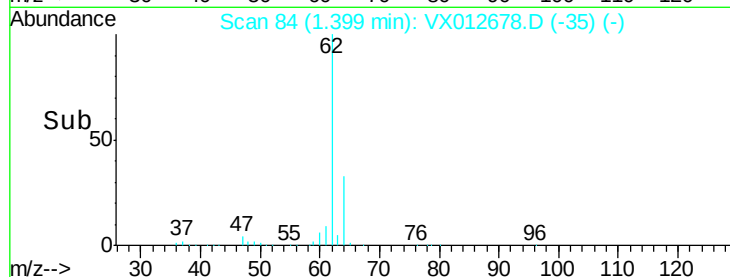
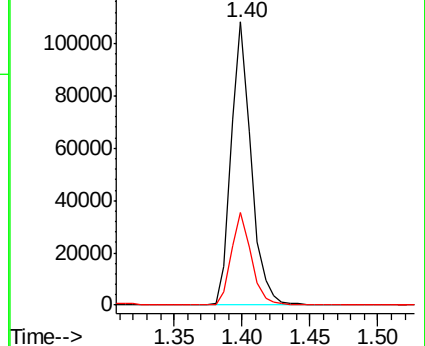
62 100

64 32.4 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: 0.509 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012678.D

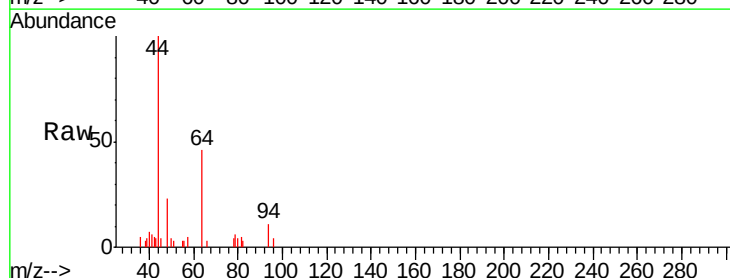
Acq: 26 Sep 2019 16:50

Tgt Ion: 94 Resp: 460

Ion Ratio Lower Upper

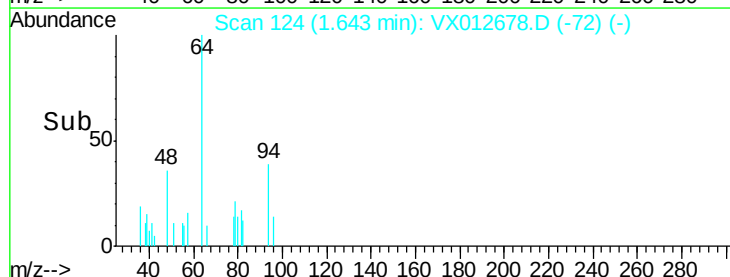
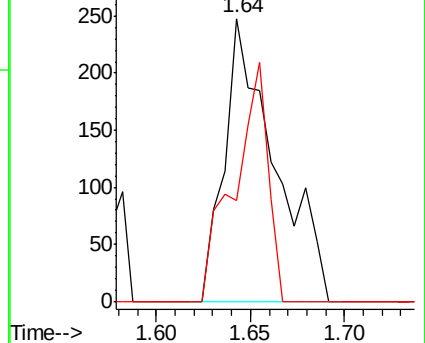
94 100

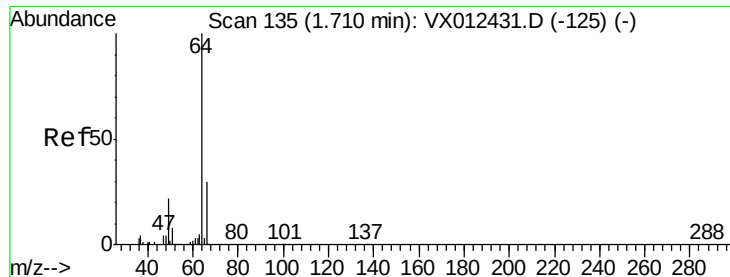
96 35.5 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.384 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX012678.D

Acq: 26 Sep 2019 16:50

Instrument :

MSVOA_X

ClientSampled :

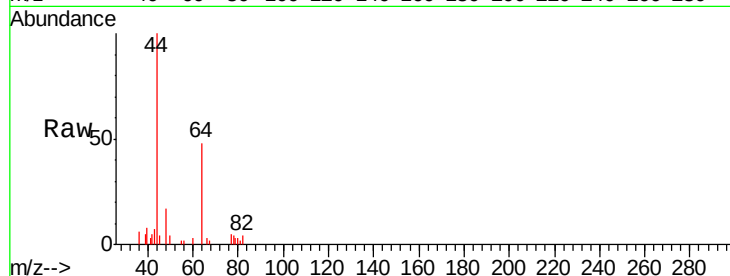
S49-0548

Tgt Ion: 64 Resp: 596

Ion Ratio Lower Upper

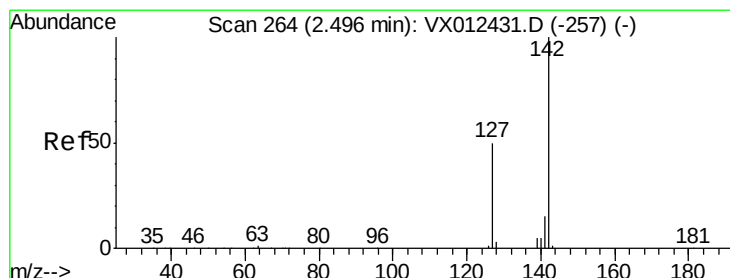
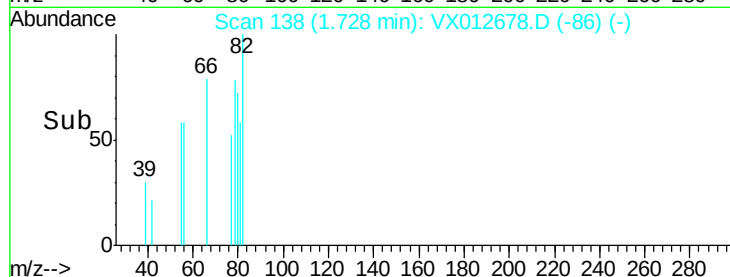
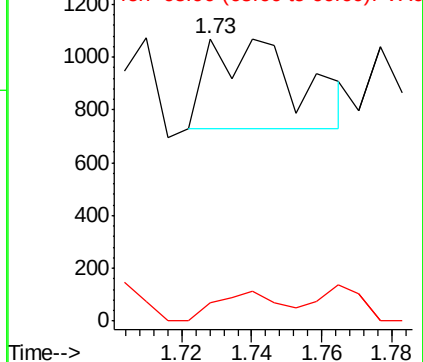
64 100

66 20.8 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.991 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012678.D

Acq: 26 Sep 2019 16:50

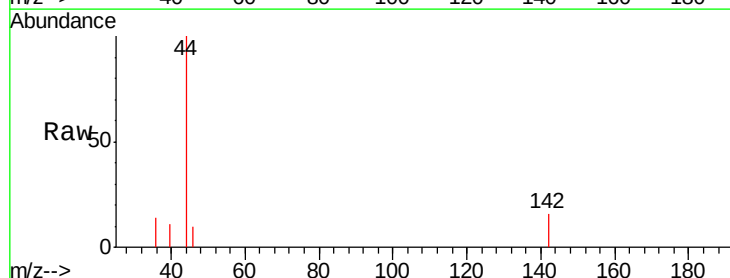
Tgt Ion: 142 Resp: 87

Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

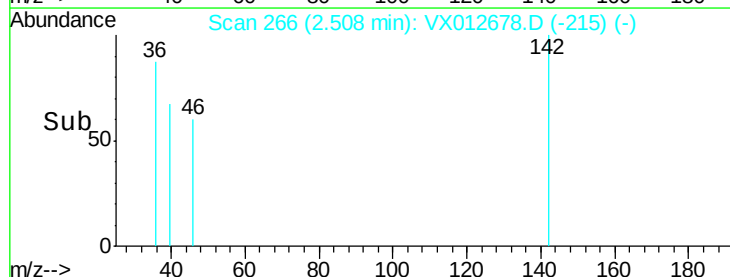
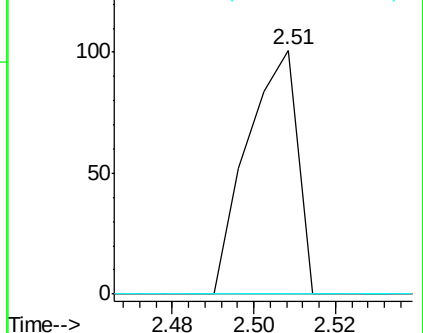
141 0.0 12.1 18.1#

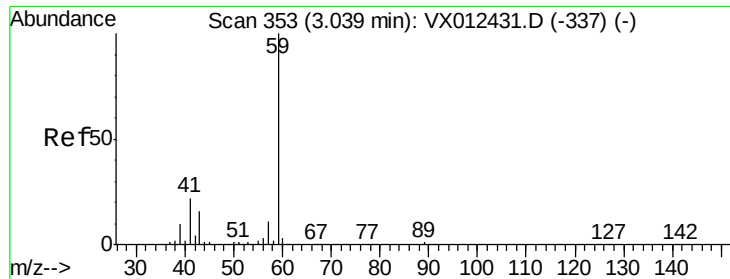


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

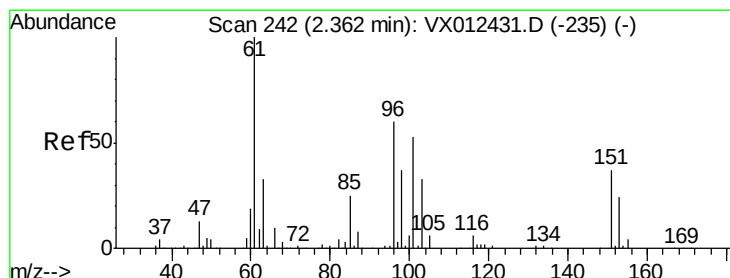
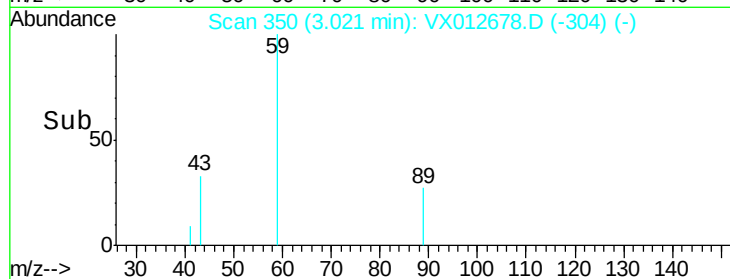
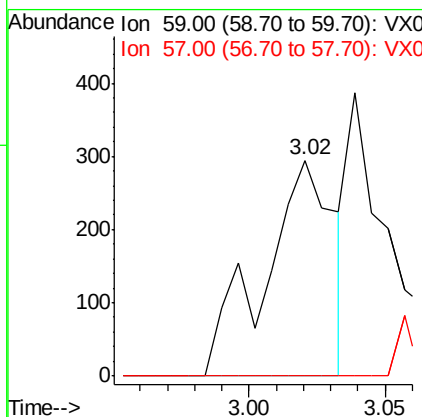
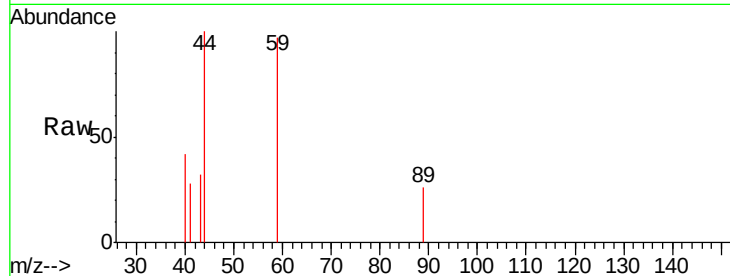




#11
Tert butyl alcohol
Concen: 0.807 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012678.D
Acq: 26 Sep 2019 16:50

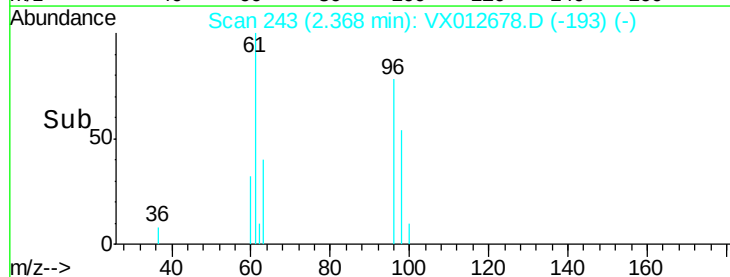
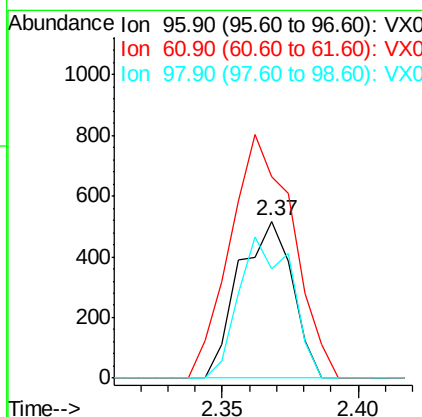
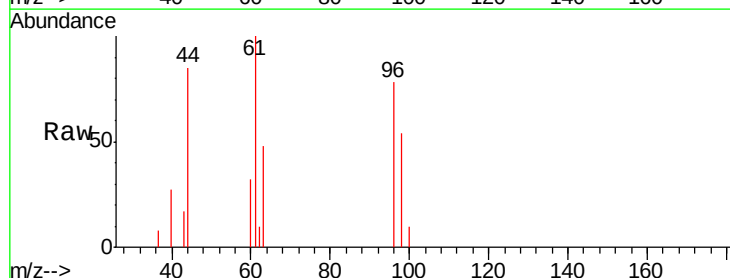
Instrument :
MSVOA_X
ClientSampleId :
S49-0548

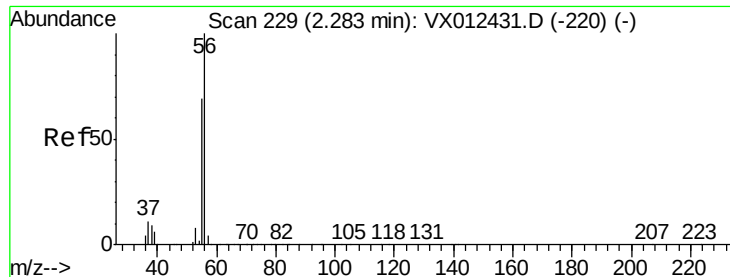
Tgt Ion: 59 Resp: 526
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.365 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX012678.D
Acq: 26 Sep 2019 16:50

Tgt Ion: 96 Resp: 704
Ion Ratio Lower Upper
96 100
61 128.4 133.8 200.6#
98 69.3 49.9 74.9





#13

Acrolein

Concen: 10.296 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX012678.D

Acq: 26 Sep 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

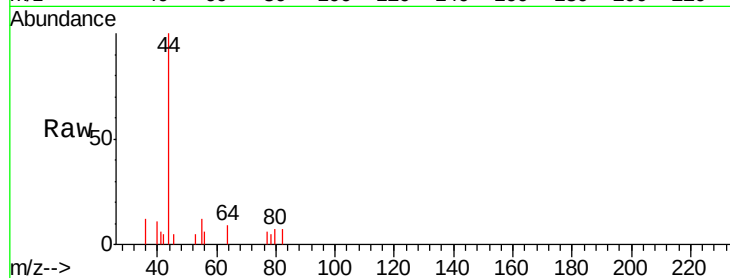
S49-0548

Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

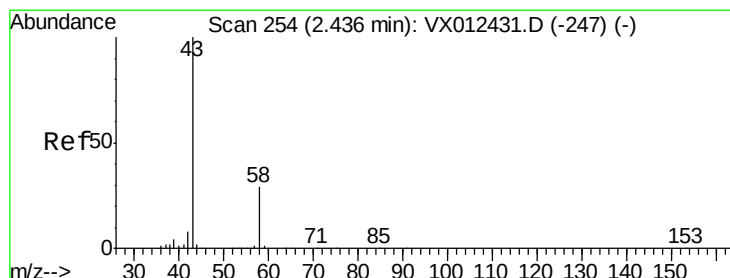
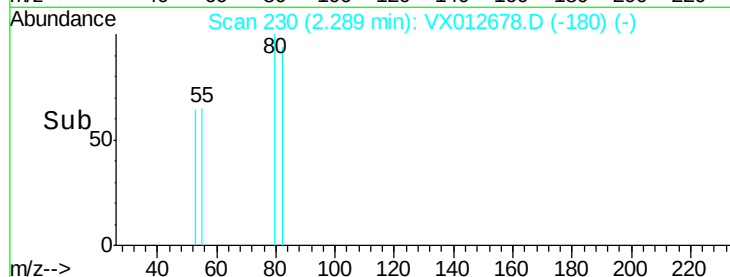
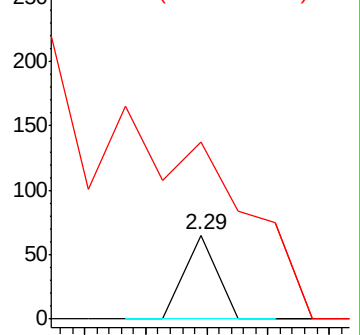
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.682 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012678.D

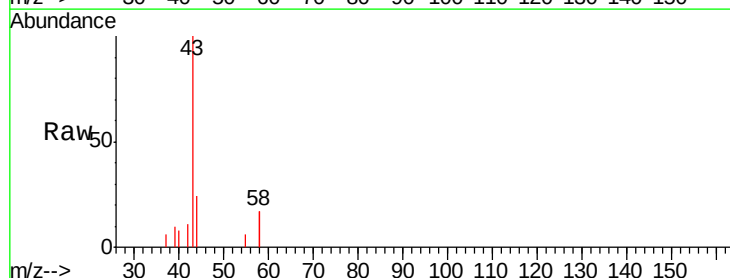
Acq: 26 Sep 2019 16:50

Tgt Ion: 43 Resp: 3707

Ion Ratio Lower Upper

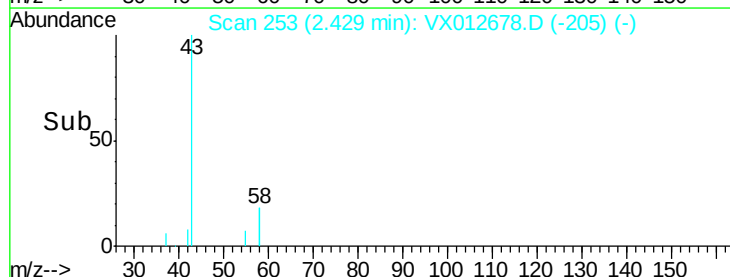
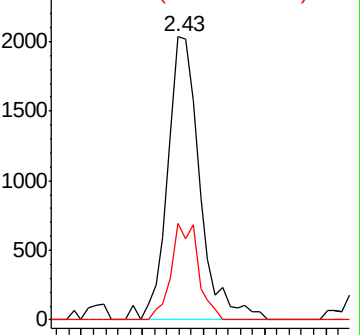
43 100

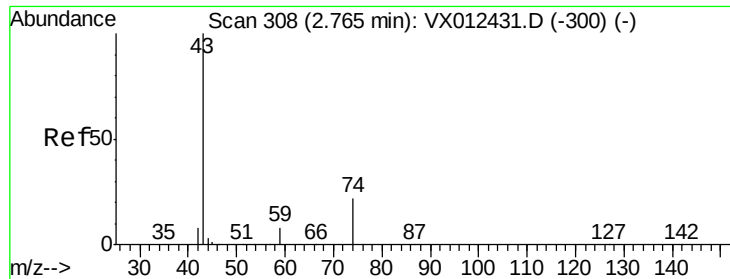
58 33.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

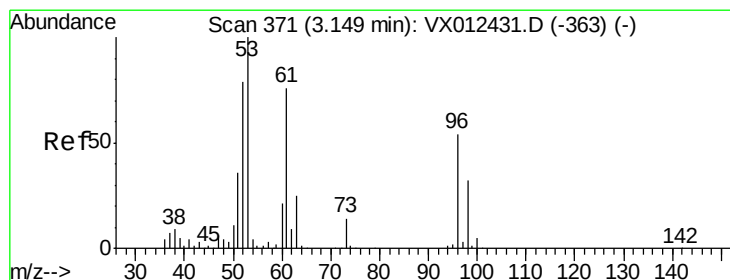
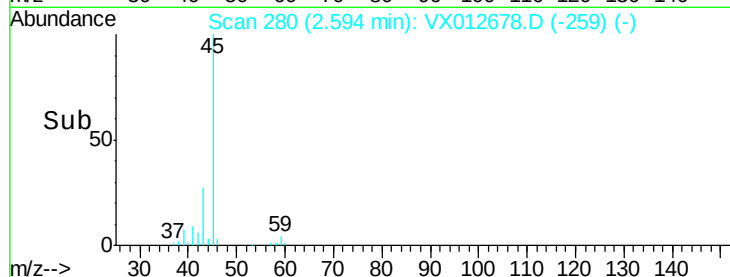
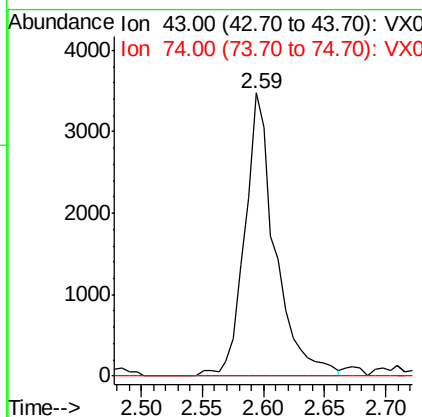
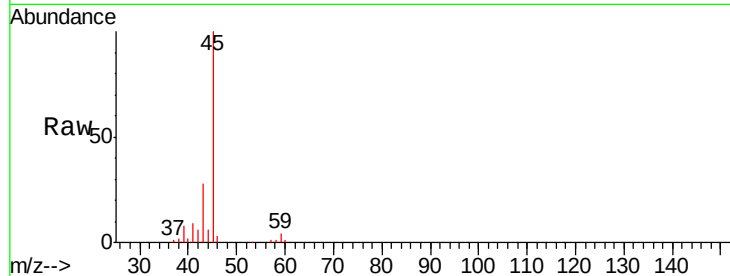




#18
Methyl Acetate
Concen: 1.852 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012678.D
Acq: 26 Sep 2019 16:50

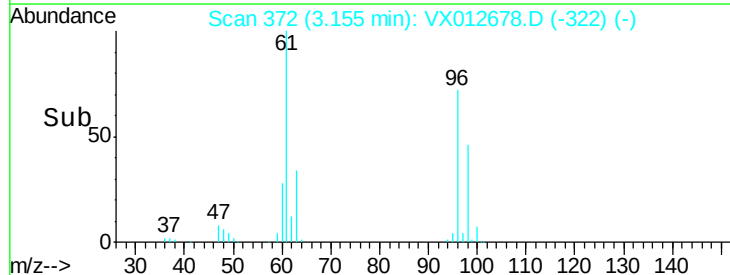
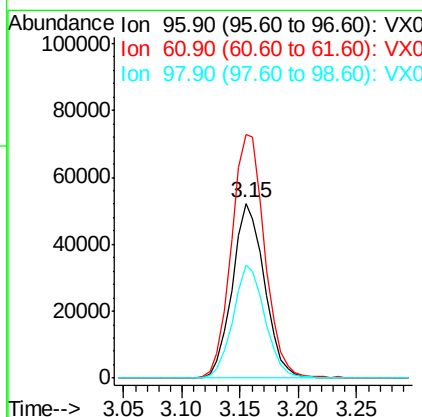
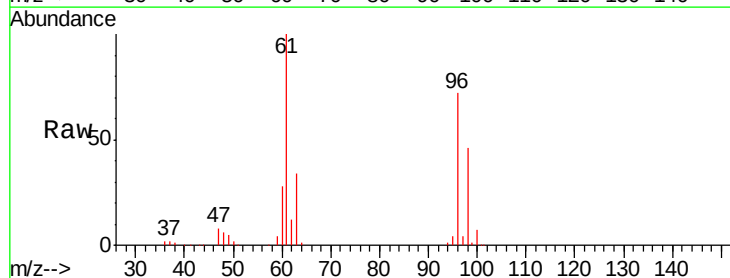
Instrument :
MSVOA_X
ClientSampleId :
S49-0548

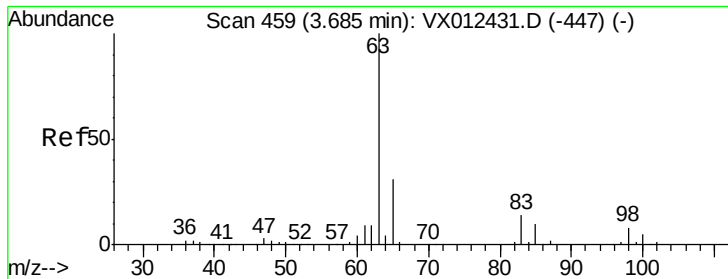
Tgt Ion: 43 Resp: 6027
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#21
trans-1,2-Dichloroethene
Concen: 47.198 ug/l
RT: 3.15 min Scan# 372
Delta R.T. 0.01 min
Lab File: VX012678.D
Acq: 26 Sep 2019 16:50

Tgt Ion: 96 Resp: 100738
Ion Ratio Lower Upper
96 100
61 139.1 112.0 168.0
98 64.5 47.8 71.8





#24

1,1-Dichloroethane

Concen: 0.958 ug/l

RT: 3.70 min Scan# 461

Delta R.T. 0.01 min

Lab File: VX012678.D

Acq: 26 Sep 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0548

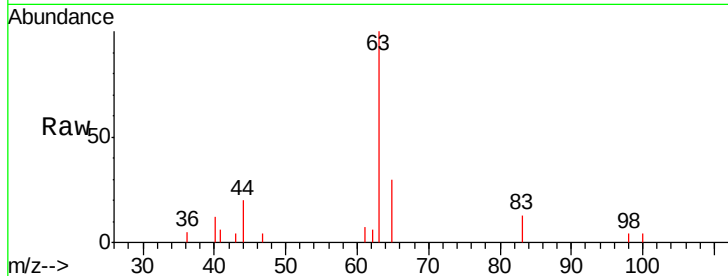
Tgt Ion: 63 Resp: 3847

Ion Ratio Lower Upper

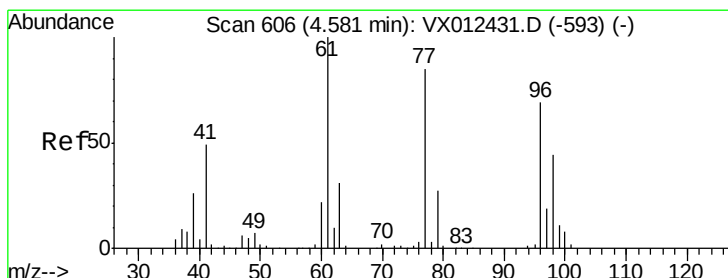
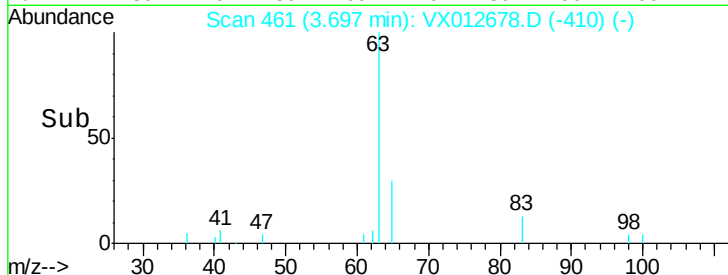
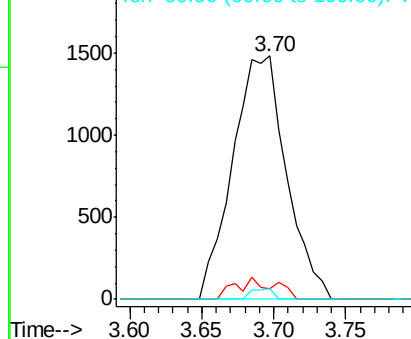
63 100

98 4.5 3.9 11.7

100 4.4 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 97.056 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX012678.D

Acq: 26 Sep 2019 16:50

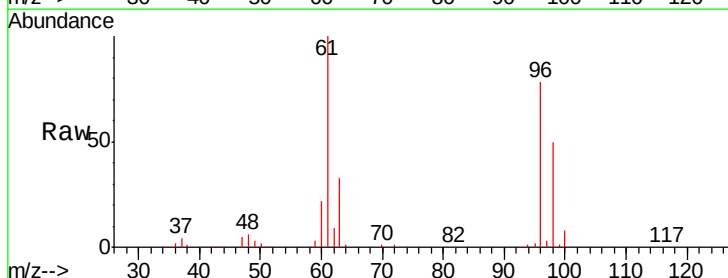
Tgt Ion: 96 Resp: 240360

Ion Ratio Lower Upper

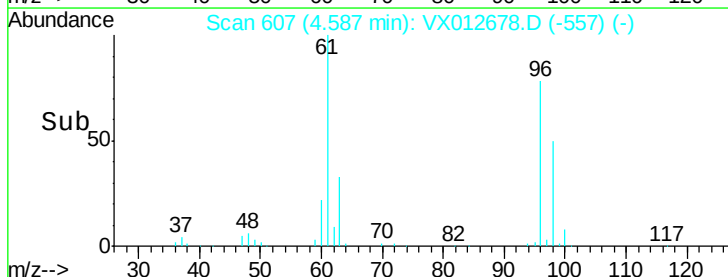
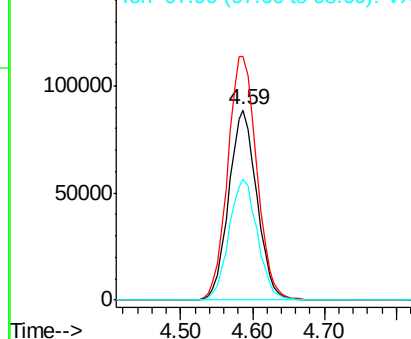
96 100

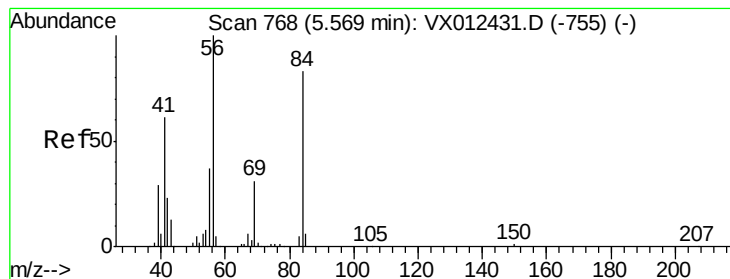
61 132.8 0.0 319.4

98 64.3 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: 1.273 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012678.D

Acq: 26 Sep 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0548

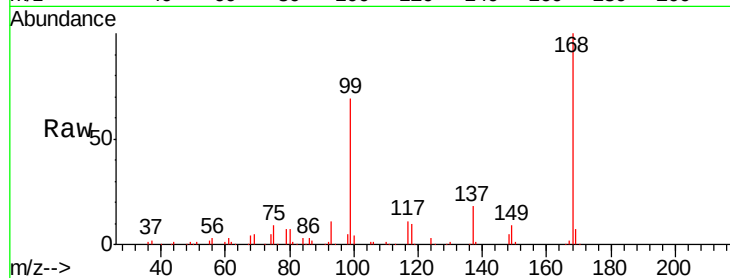
Tgt Ion: 56 Resp: 4623

Ion Ratio Lower Upper

56 100

69 178.6 25.0 37.6#

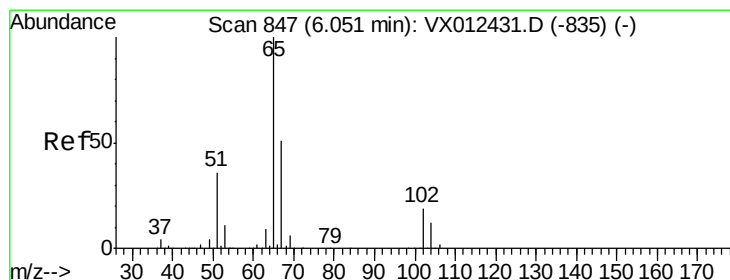
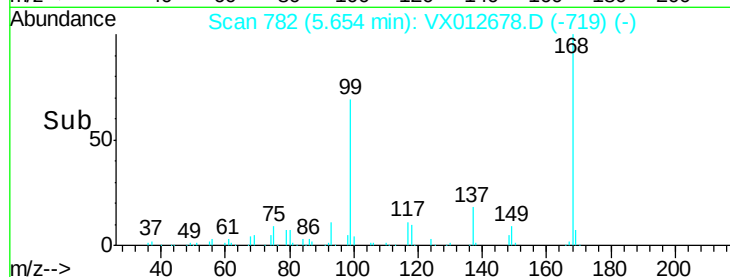
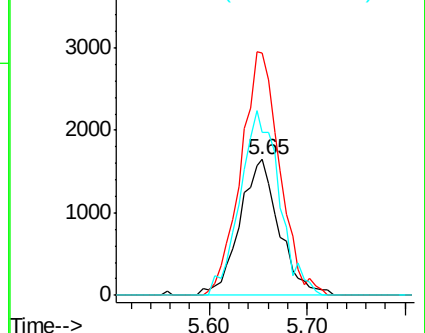
84 119.7 66.4 99.6#



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: 50.945 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012678.D

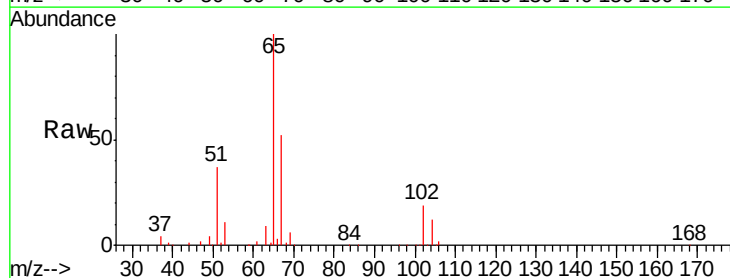
Acq: 26 Sep 2019 16:50

Tgt Ion: 65 Resp: 132928

Ion Ratio Lower Upper

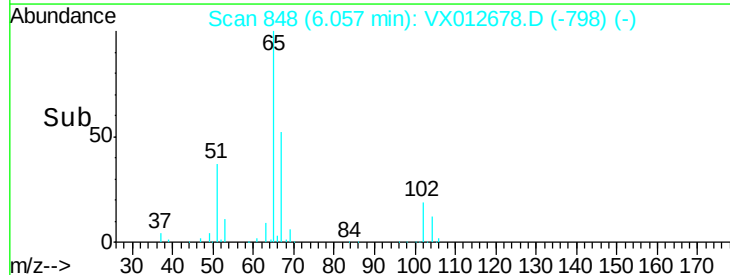
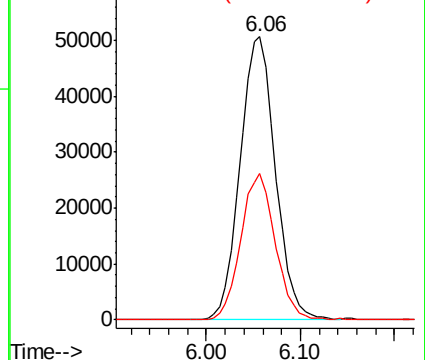
65 100

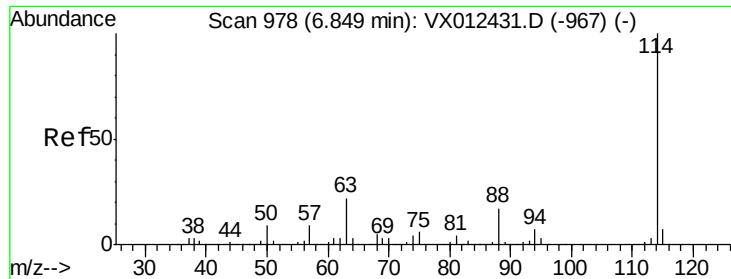
67 50.4 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

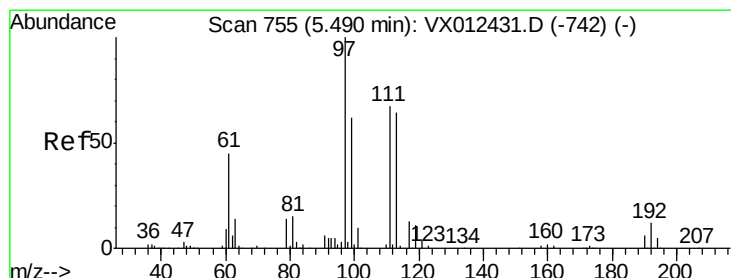
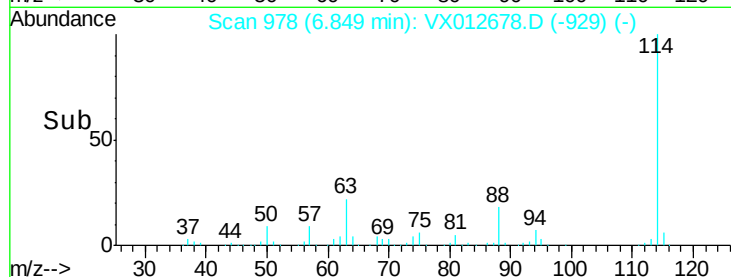
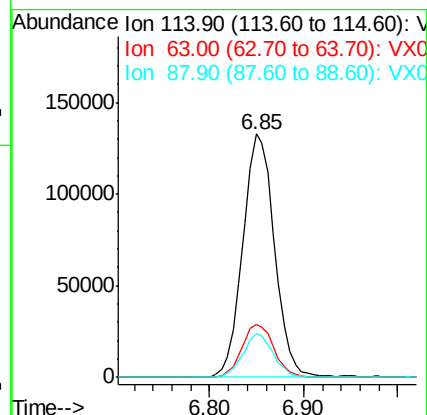
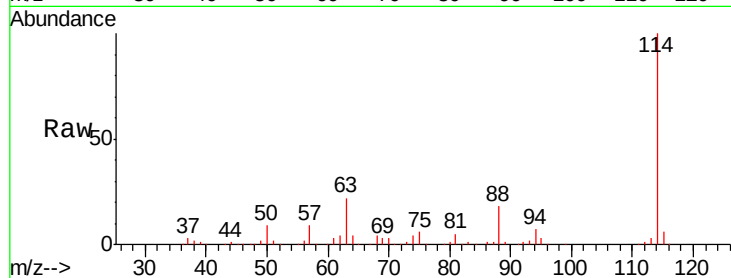




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012678.D
 Acq: 26 Sep 2019 16:50

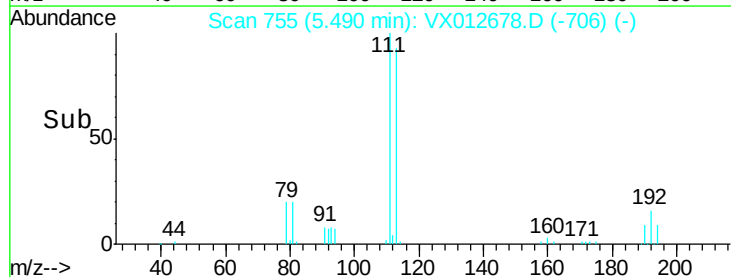
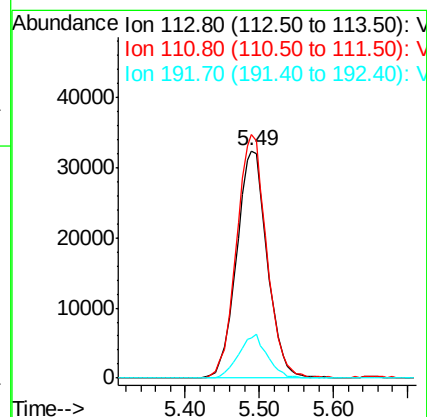
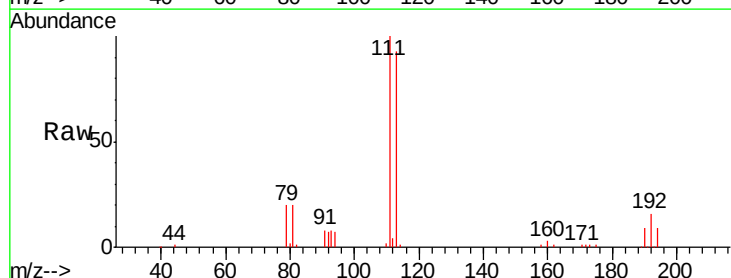
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0548

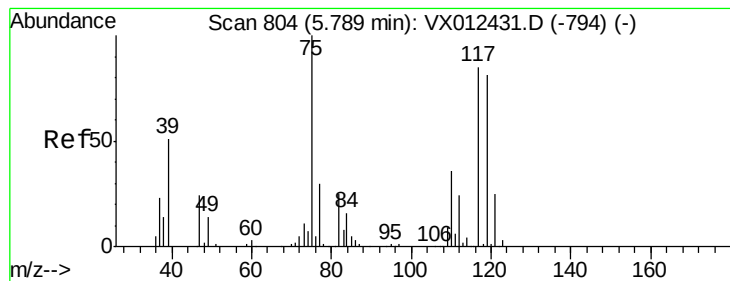
Tgt Ion:114 Resp: 312465
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 17.9 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 50.169 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012678.D
 Acq: 26 Sep 2019 16:50

Tgt Ion:113 Resp: 93358
 Ion Ratio Lower Upper
 113 100
 111 105.8 83.4 125.2
 192 17.8 14.4 21.6





#36

1,1-Dichloropropene

Concen: 5.256 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012678.D

Acq: 26 Sep 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0548

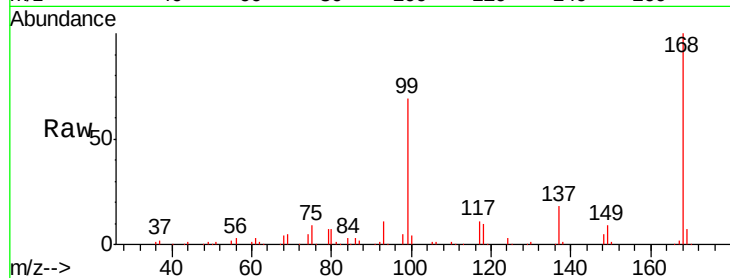
Tgt Ion: 75 Resp: 15829

Ion Ratio Lower Upper

75 100

110 9.9 16.7 50.0#

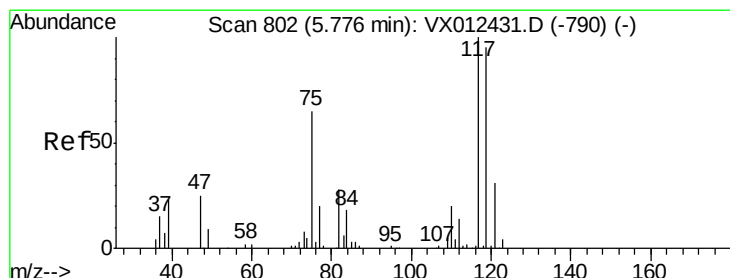
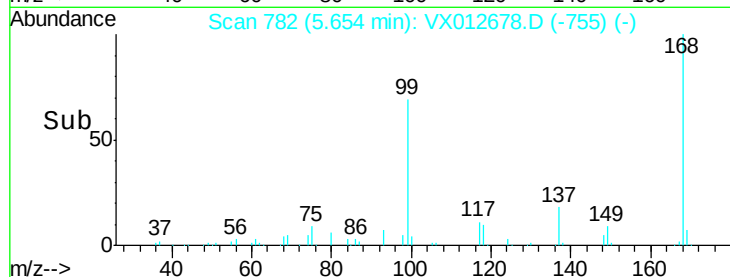
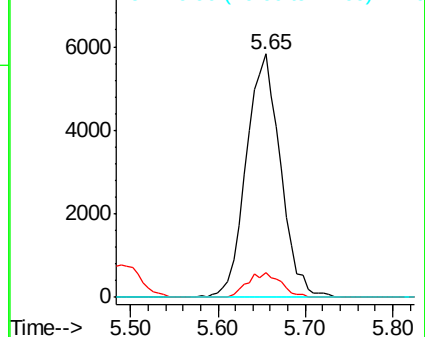
77 0.0 24.2 36.2#



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: 6.528 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012678.D

Acq: 26 Sep 2019 16:50

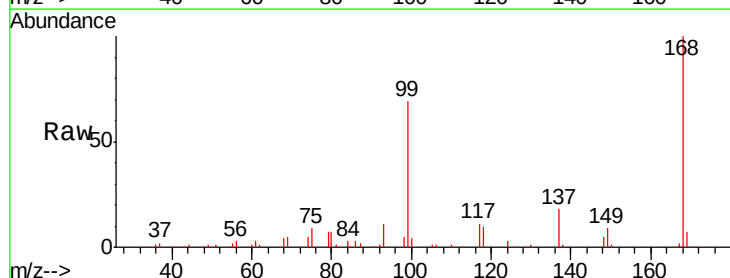
Tgt Ion: 117 Resp: 19972

Ion Ratio Lower Upper

117 100

119 4.4 75.7 113.5#

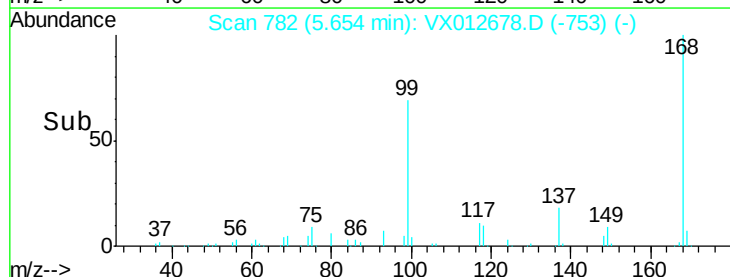
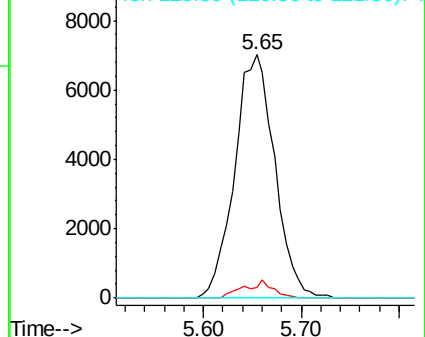
121 0.0 24.2 36.4#

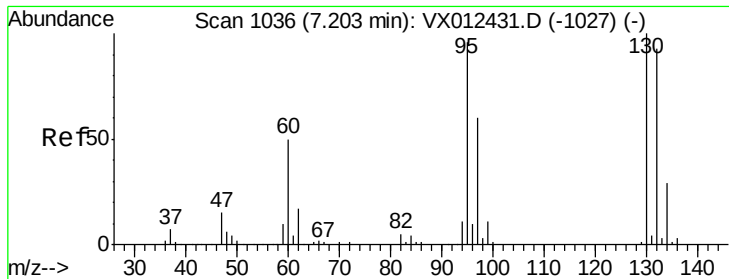


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

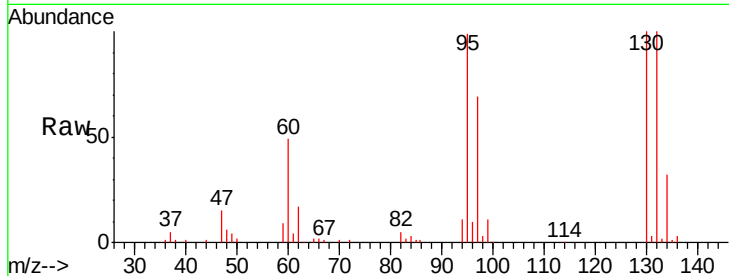




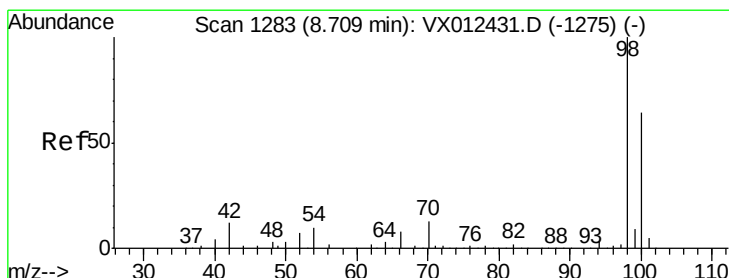
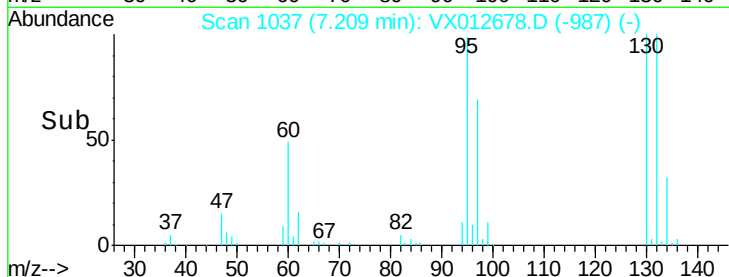
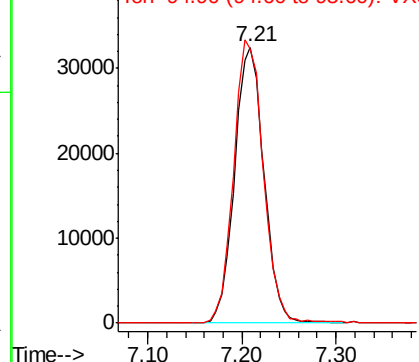
#44
 Trichloroethene
 Concen: 31.001 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012678.D
 Acq: 26 Sep 2019 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0548

Tgt Ion:130 Resp: 70230
 Ion Ratio Lower Upper
 130 100
 95 99.3 0.0 193.0

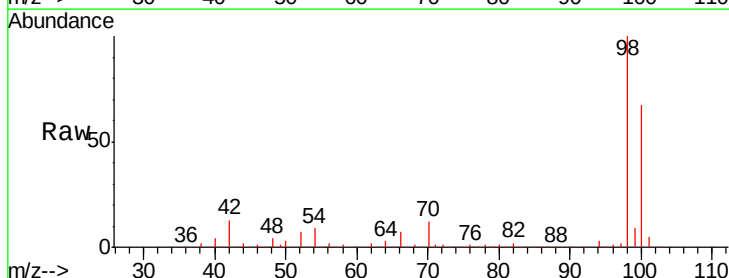


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

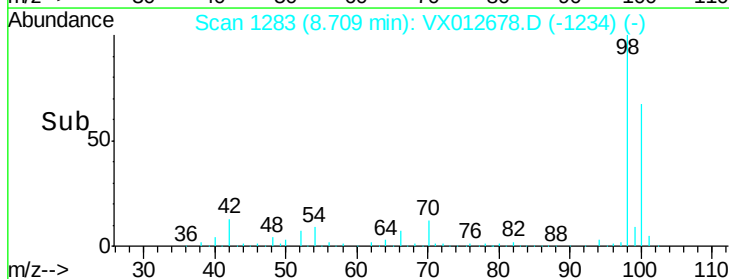
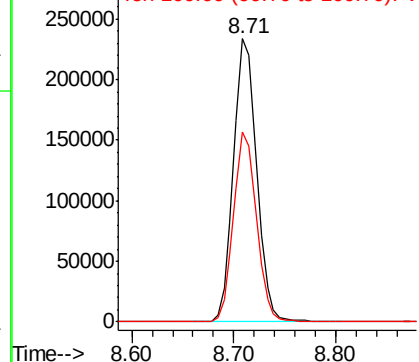


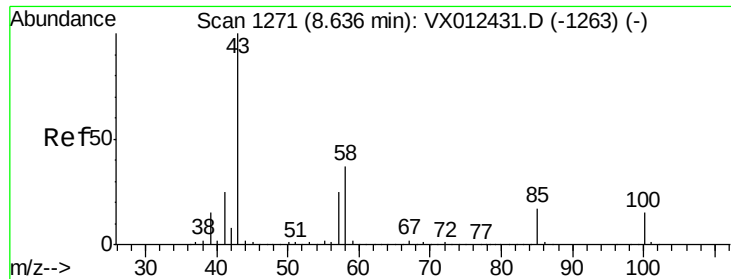
#50
 Toluene-d8
 Concen: 51.244 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012678.D
 Acq: 26 Sep 2019 16:50

Tgt Ion: 98 Resp: 367227
 Ion Ratio Lower Upper
 98 100
 100 66.7 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

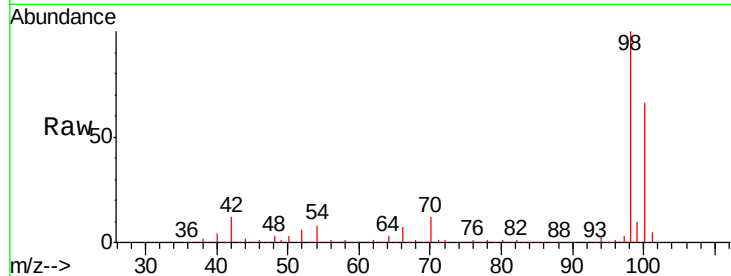




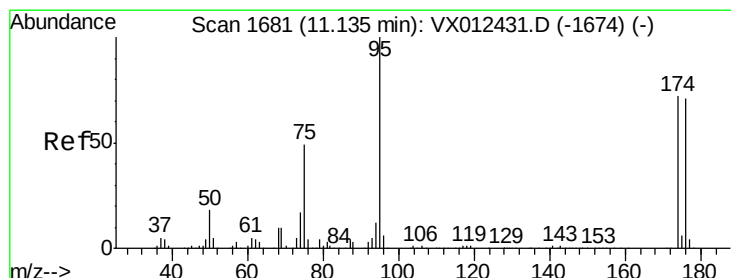
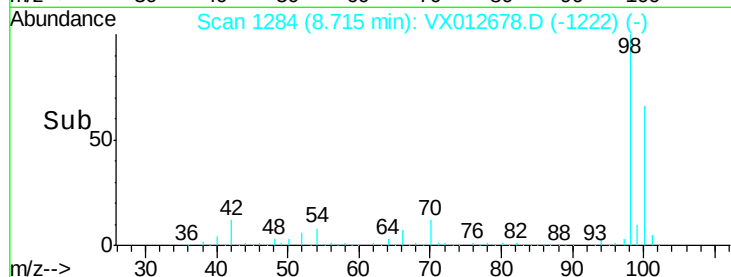
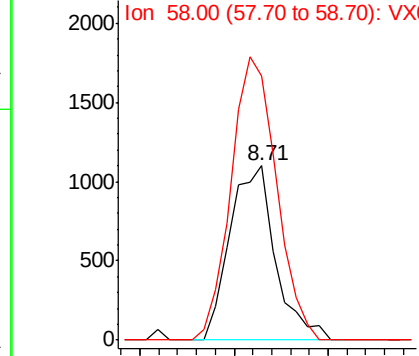
#51
4-Methyl-2-Pentanone
Concen: 0.506 ug/l
RT: 8.71 min Scan# 1284
Delta R.T. 0.08 min
Lab File: VX012678.D
Acq: 26 Sep 2019 16:50

Instrument :
MSVOA_X
ClientSampled :
S49-0548

Tgt Ion: 43 Resp: 1838
Ion Ratio Lower Upper
43 100
58 162.6 29.8 44.6#

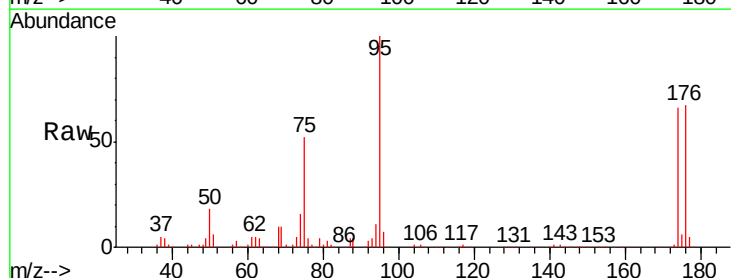


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

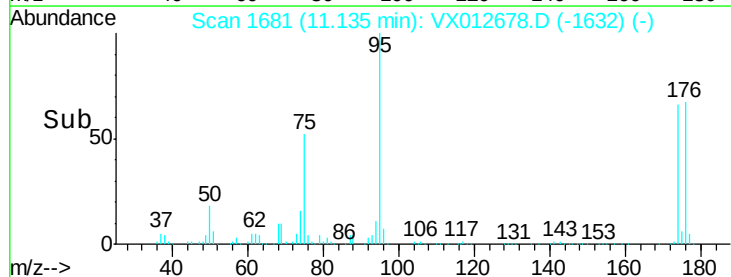
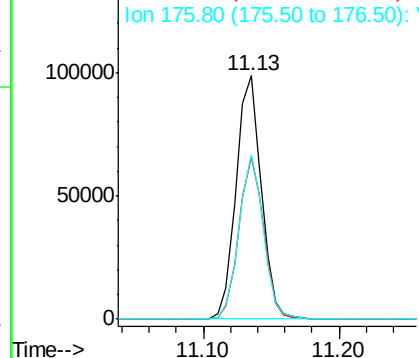


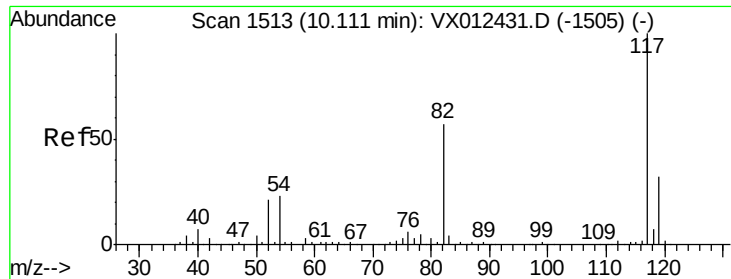
#62
4-Bromofluorobenzene
Concen: 45.247 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012678.D
Acq: 26 Sep 2019 16:50

Tgt Ion: 95 Resp: 127498
Ion Ratio Lower Upper
95 100
174 65.7 0.0 140.0
176 65.5 0.0 135.4



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

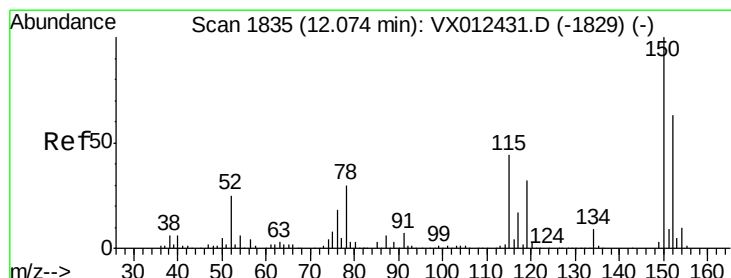
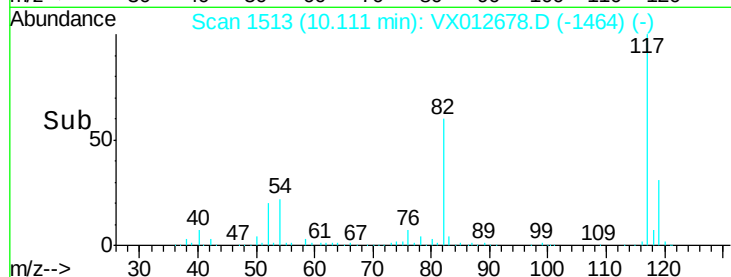
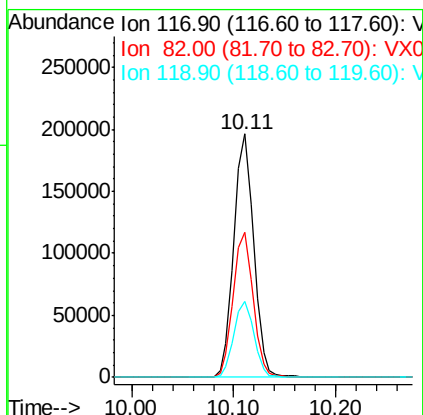
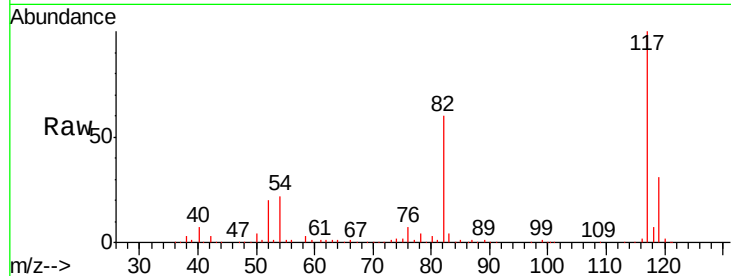




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012678.D
Acq: 26 Sep 2019 16:50

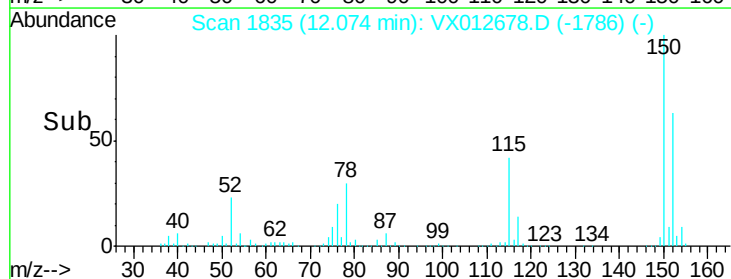
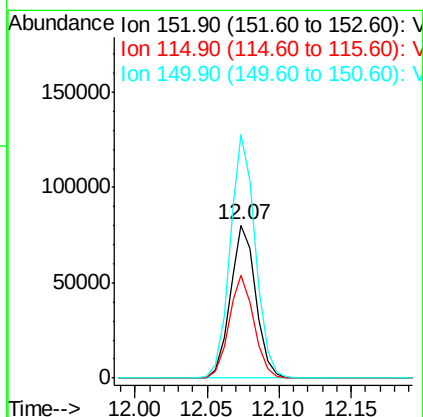
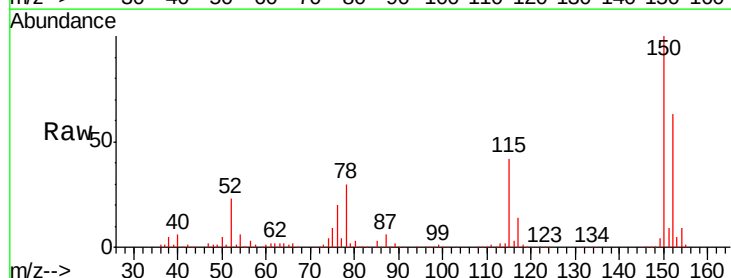
Instrument :
MSVOA_X
ClientSampled :
S49-0548

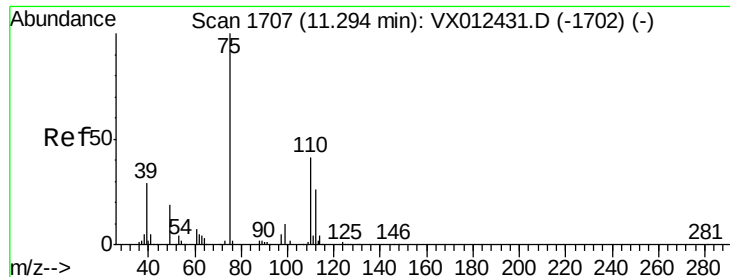
Tgt Ion:117 Resp: 264035
Ion Ratio Lower Upper
117 100
82 59.6 45.9 68.9
119 31.3 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012678.D
Acq: 26 Sep 2019 16:50

Tgt Ion:152 Resp: 99218
Ion Ratio Lower Upper
152 100
115 65.9 44.1 132.3
150 158.6 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 24.831 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012678.D

Acq: 26 Sep 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

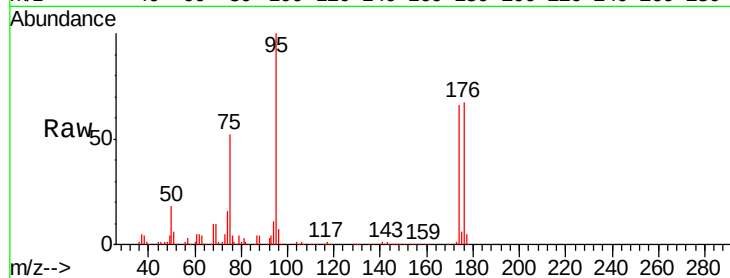
S49-0548

Tgt Ion: 75 Resp: 65171

Ion Ratio Lower Upper

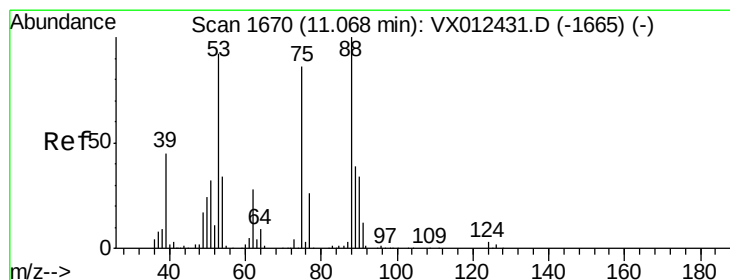
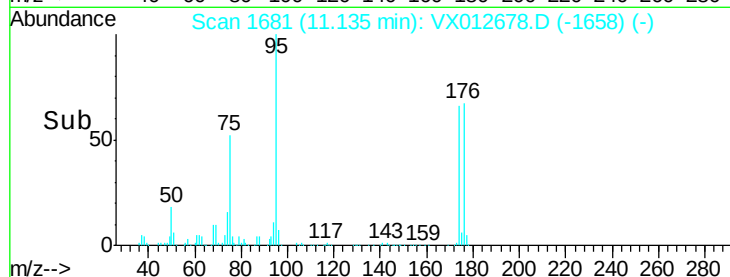
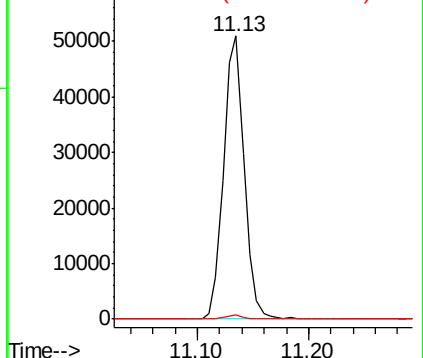
75 100

77 1.2 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: 71.161 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012678.D

Acq: 26 Sep 2019 16:50

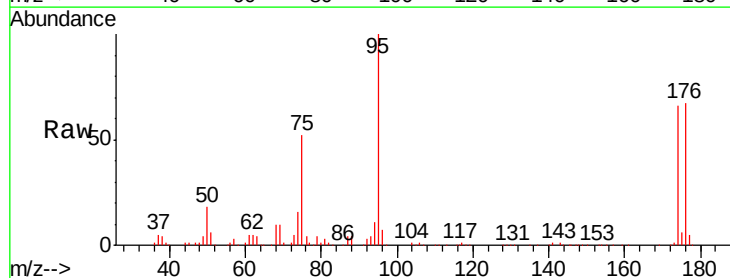
Tgt Ion: 75 Resp: 65171

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

