

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060319\
 Data File : VX010032.D
 Acq On : 03 Jun 2019 13:40
 Operator : JC/SP
 Sample : K3129-08DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 04 03:39:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	173749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	275194	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113563	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	113855	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
35) Dibromofluoromethane	5.49	113	84501	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	8.71	98	351378	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	11.13	95	119472	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	

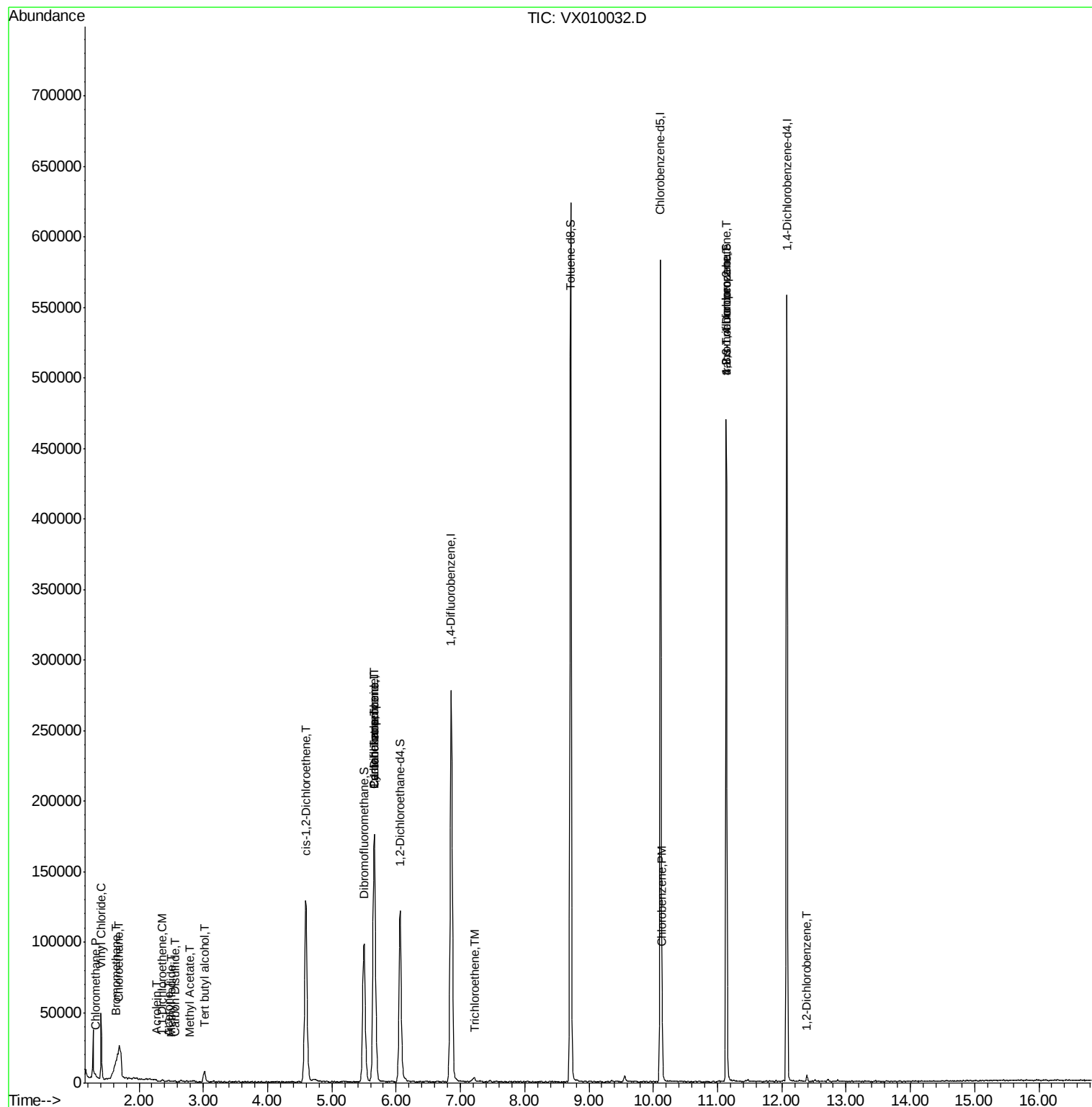
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	617	0.216	ug/l #	81
4) Vinyl Chloride	1.41	62	30783	11.963	ug/l	98
5) Bromomethane	1.64	94	717	0.460	ug/l	86
6) Chloroethane	1.68	64	461	0.291	ug/l #	43
10) Methyl Iodide	2.51	142	277	4.775	ug/l #	42
11) Tert butyl alcohol	3.02	59	4786	7.924	ug/l #	83
12) 1,1-Dichloroethene	2.36	96	405	0.230	ug/l #	78
13) Acrolein	2.28	56	95	21.300	ug/l #	65
16) Acetone	2.46	43	969	0.683	ug/l	100
17) Carbon Disulfide	2.56	76	496	0.477	ug/l #	76
18) Methyl Acetate	2.78	43	710	0.215	ug/l #	57
27) cis-1,2-Dichloroethene	4.59	96	79799	35.309	ug/l	88
31) Cyclohexane	5.65	56	3822	1.023	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13033	4.668	ug/l #	50
38) Carbon Tetrachloride	5.66	117	15993	6.628	ug/l #	15
44) Trichloroethene	7.21	130	1038	0.516	ug/l	82
65) Chlorobenzene	10.14	112	15450	2.905	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	61087	22.494	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61087	55.655	ug/l #	10
91) 1,2-Dichlorobenzene	12.39	146	1151	0.307	ug/l	84

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060319\
Data File : VX010032.D
Acq On : 03 Jun 2019 13:40
Operator : JC/SP
Sample : K3129-08DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 04 03:39:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010032.D

Acq: 03 Jun 2019 13:40

Instrument :

MSVOA_X

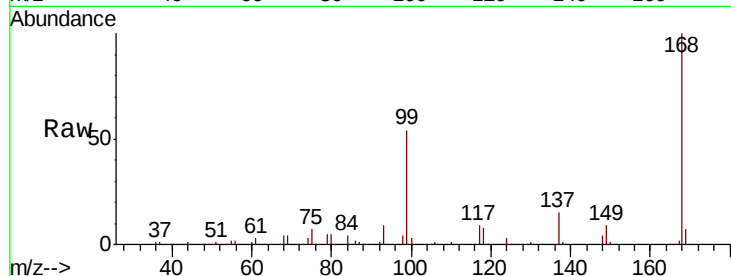
ClientSampleId :

Tot Ion:168 Resp: 173749

Ion Ratio Lower Upper

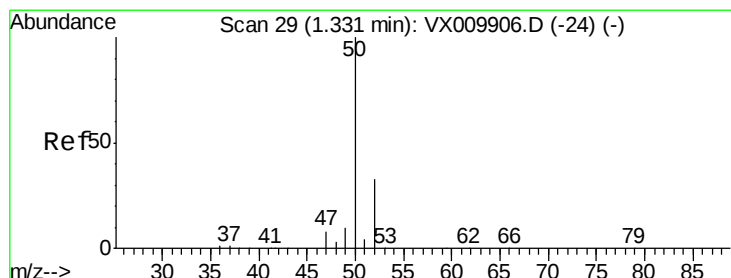
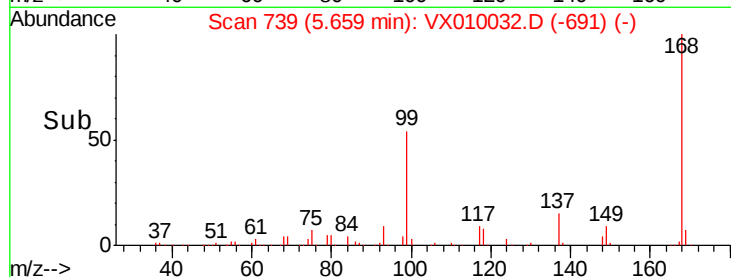
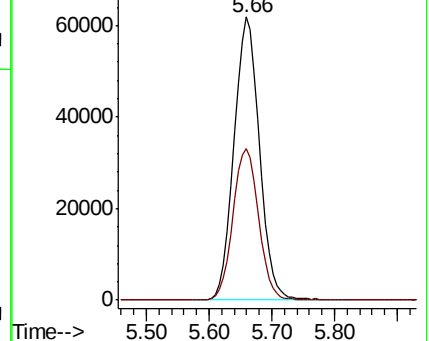
168 100

99 53.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.216 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010032.D

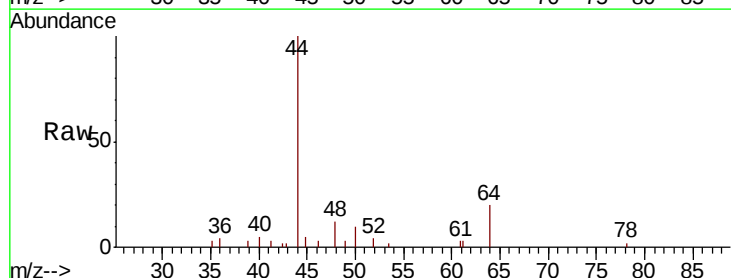
Acq: 03 Jun 2019 13:40

Tgt Ion: 50 Resp: 617

Ion Ratio Lower Upper

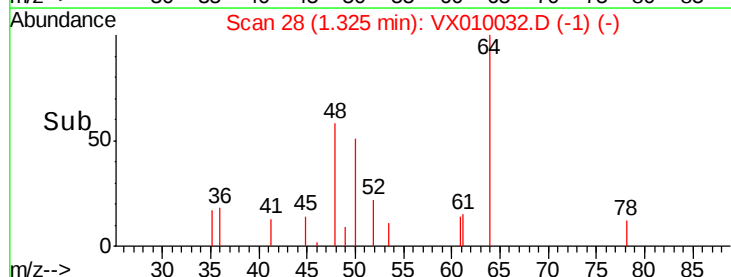
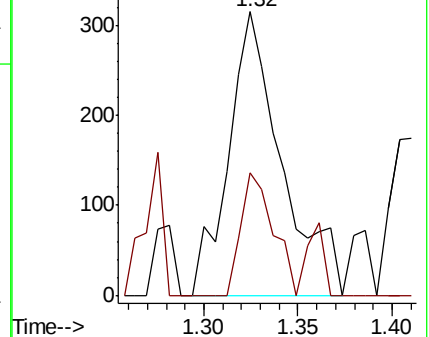
50 100

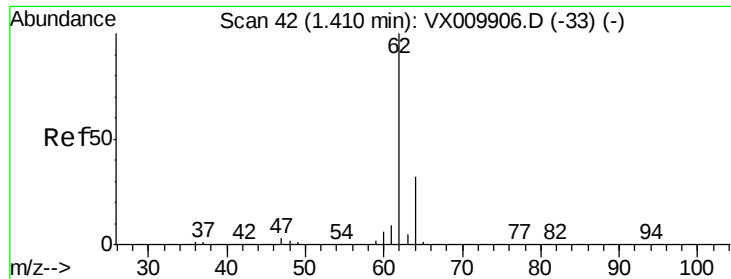
52 43.2 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 11.963 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010032.D

Acq: 03 Jun 2019 13:40

Instrument :

MSVOA_X

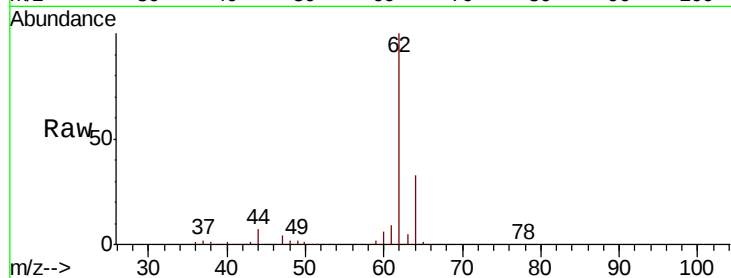
ClientSampleId :

Tot Ion: 62 Resp: 30783

Ion Ratio Lower Upper

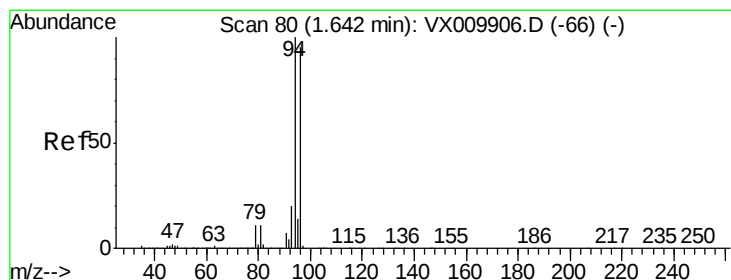
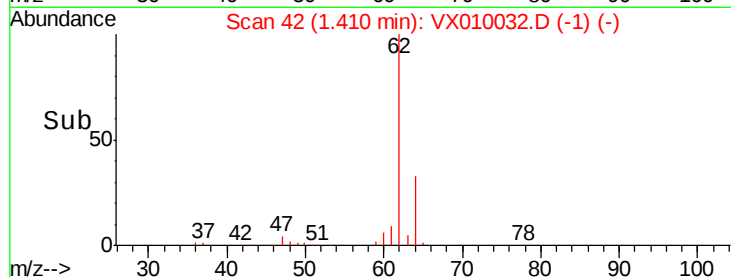
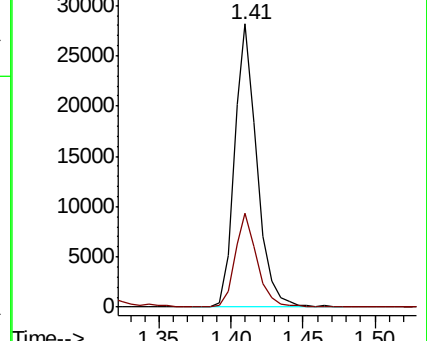
62 100

64 33.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.460 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010032.D

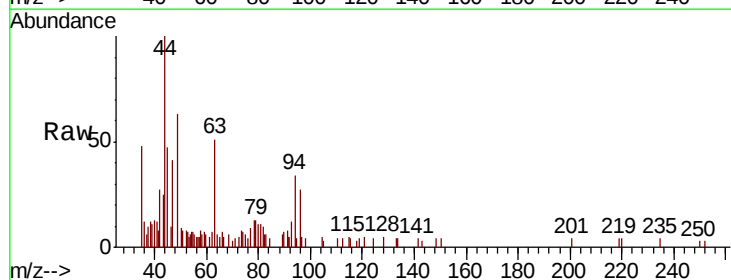
Acq: 03 Jun 2019 13:40

Tgt Ion: 94 Resp: 717

Ion Ratio Lower Upper

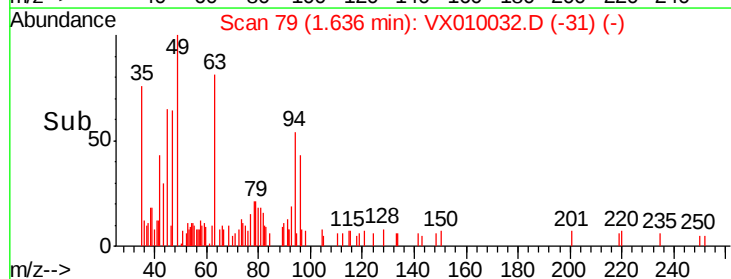
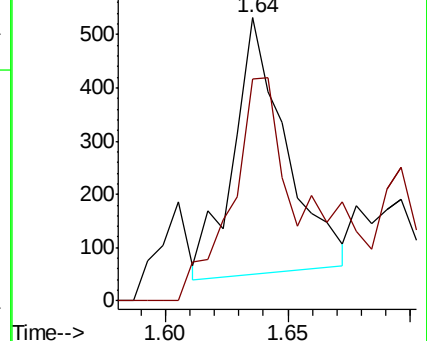
94 100

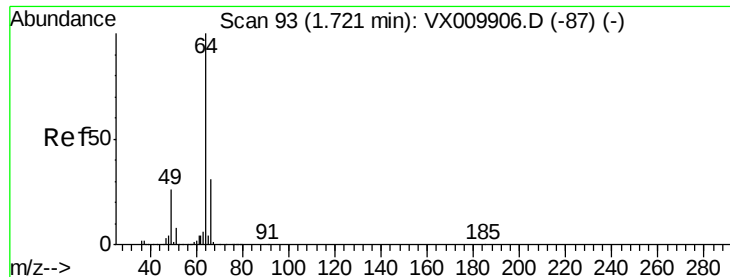
96 81.2 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.291 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.04 min

Lab File: VX010032.D

Acq: 03 Jun 2019 13:40

Instrument :

MSVOA_X

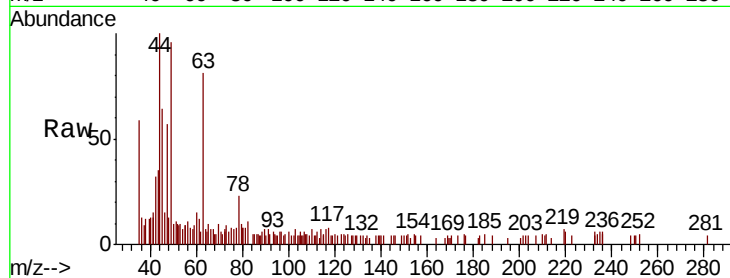
ClientSampled :

Tot Ion: 64 Resp: 461

Ion Ratio Lower Upper

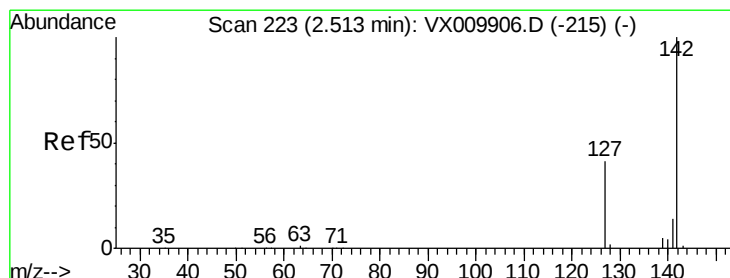
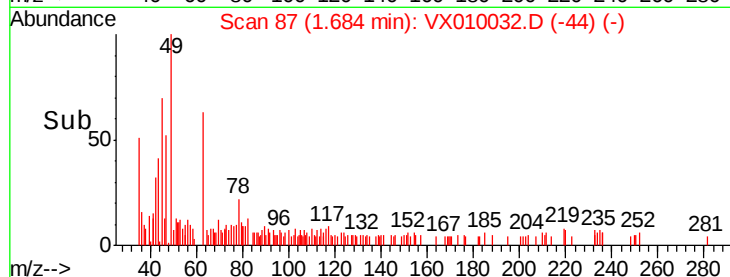
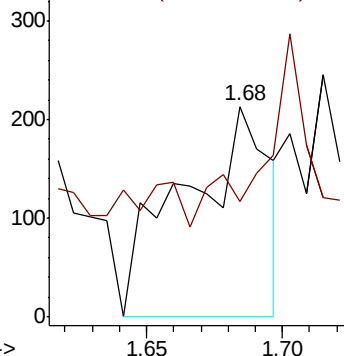
64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.775 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX010032.D

Acq: 03 Jun 2019 13:40

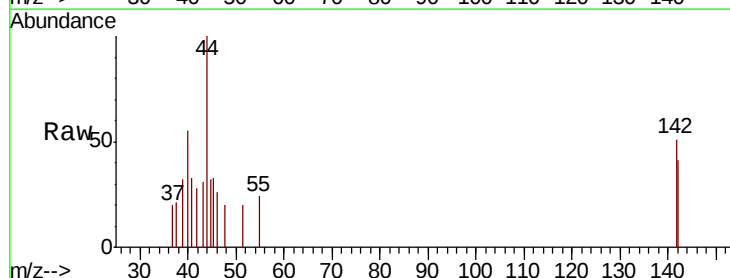
Tgt Ion: 142 Resp: 277

Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.4#

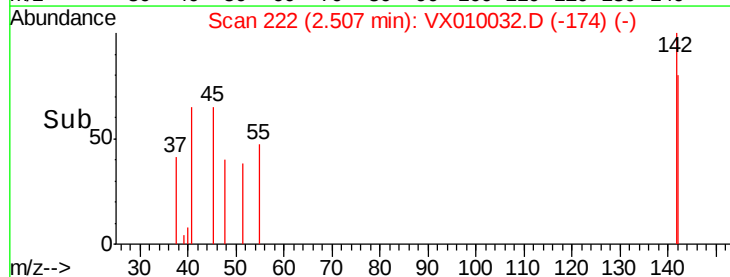
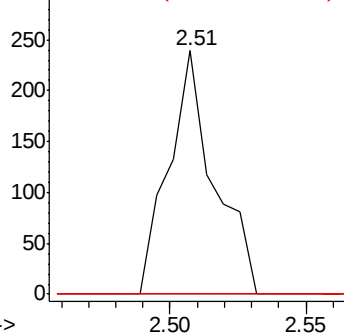
141 0.0 11.4 17.0#

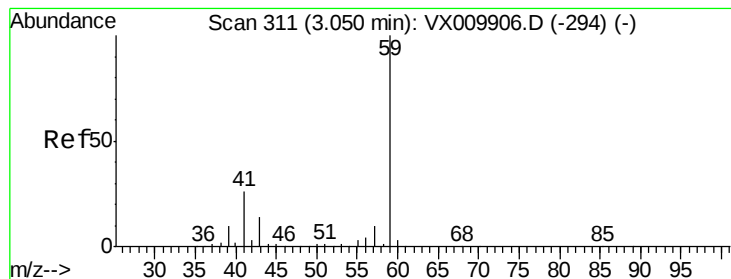


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



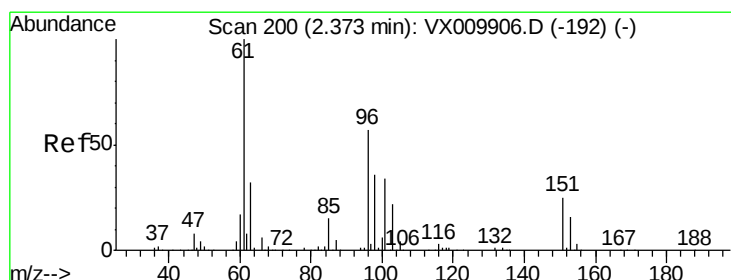
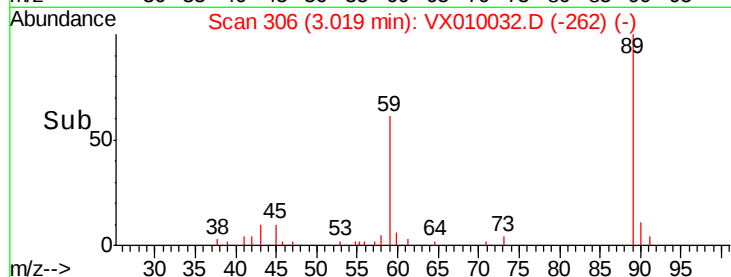
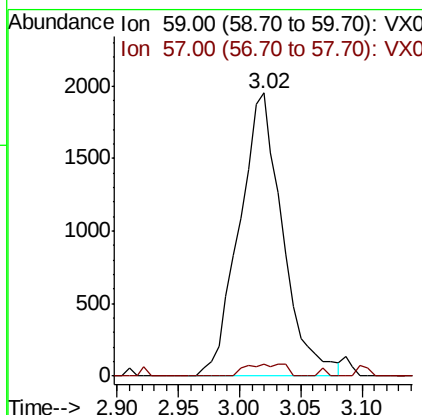
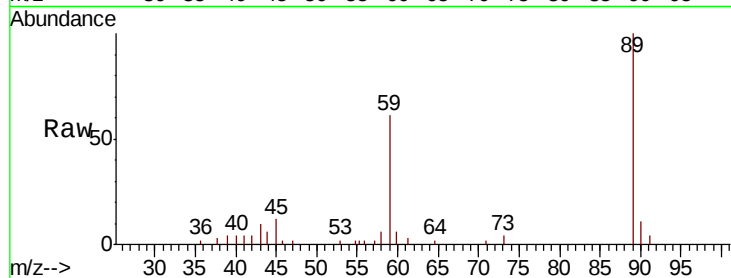


#11

Tert butyl alcohol
 Concen: 7.924 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010032.D
 Acq: 03 Jun 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :

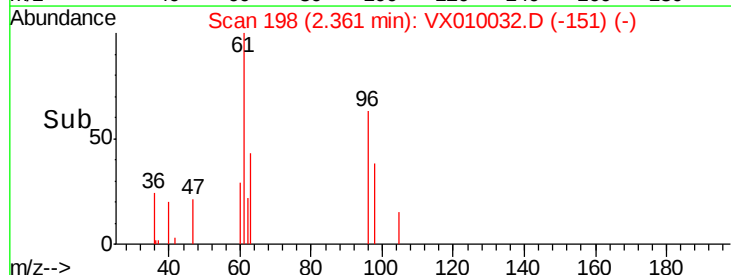
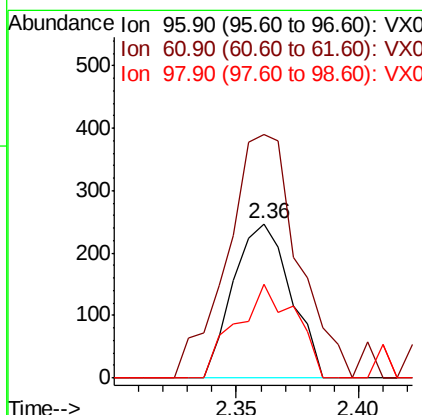
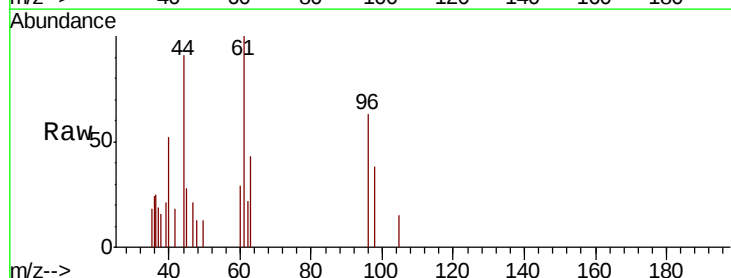
Tot Ion: 59 Resp: 4786
 Ion Ratio Lower Upper
 59 100
 57 3.8 8.2 12.2#

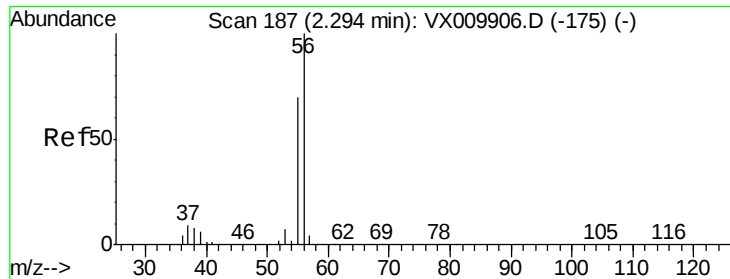


#12

1,1-Dichloroethene
 Concen: 0.230 ug/l
 RT: 2.36 min Scan# 198
 Delta R.T. -0.01 min
 Lab File: VX010032.D
 Acq: 03 Jun 2019 13:40

Tgt Ion: 96 Resp: 405
 Ion Ratio Lower Upper
 96 100
 61 136.0 140.7 211.1#
 98 60.7 50.1 75.1

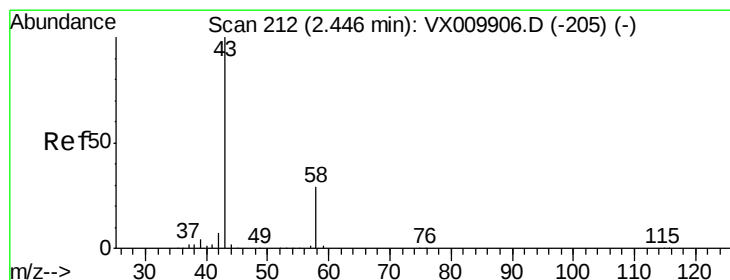
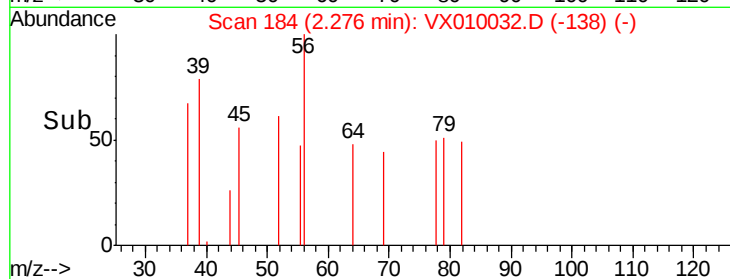
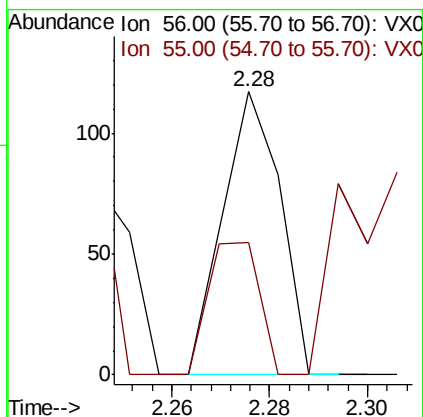
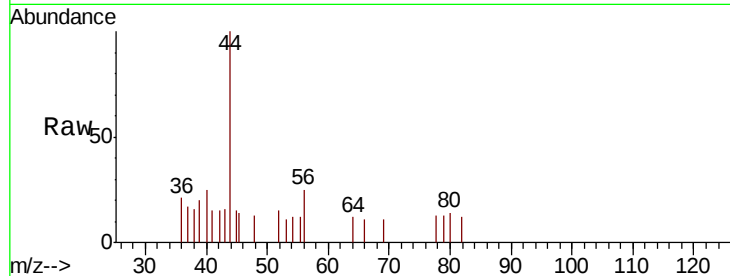




#13
Acrolein
Concen: 21.300 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX010032.D
Acq: 03 Jun 2019 13:40

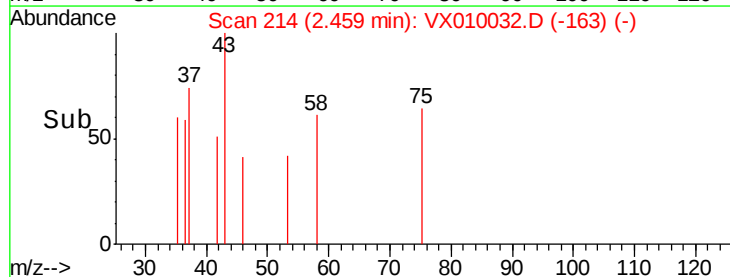
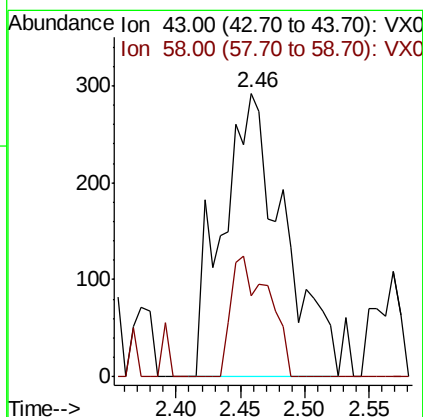
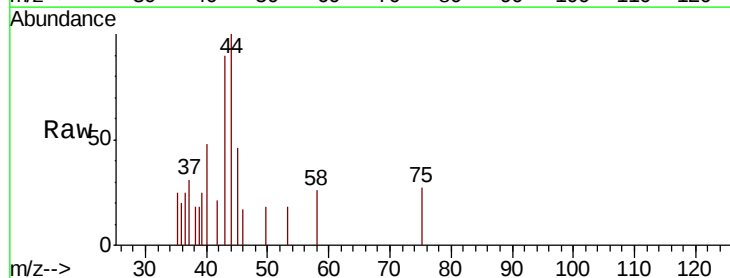
Instrument :
MSVOA_X
ClientSampled :

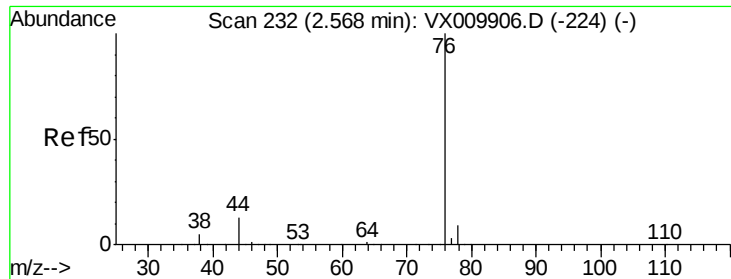
Tot Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 42.1 57.0 85.4#



#16
Acetone
Concen: 0.683 ug/l
RT: 2.46 min Scan# 214
Delta R.T. 0.01 min
Lab File: VX010032.D
Acq: 03 Jun 2019 13:40

Tgt Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
58 28.8 23.2 34.8





#17

Carbon Disulfide

Concen: 0.477 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX010032.D

Acq: 03 Jun 2019 13:40

Instrument :

MSVOA_X

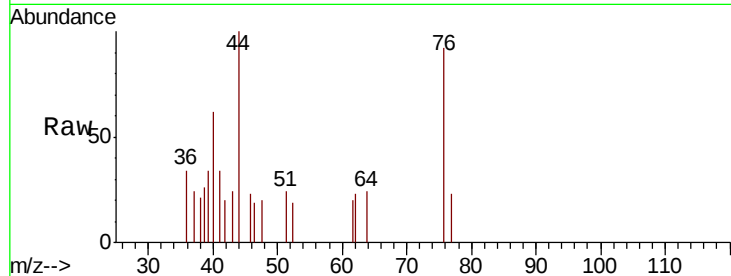
ClientSampleId :

Tot Ion: 76 Resp: 496

Ion Ratio Lower Upper

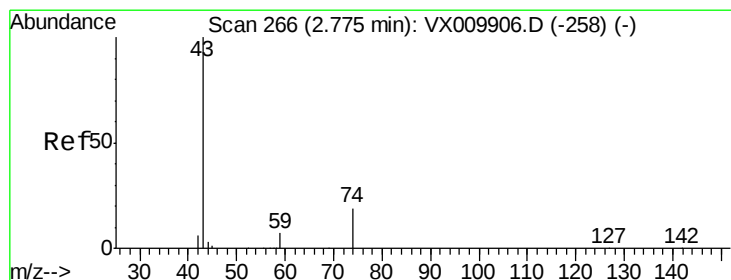
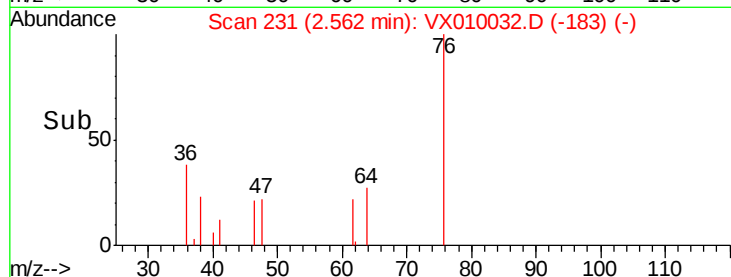
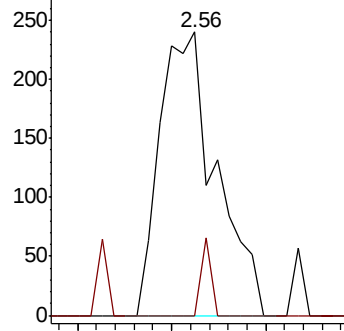
76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.215 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010032.D

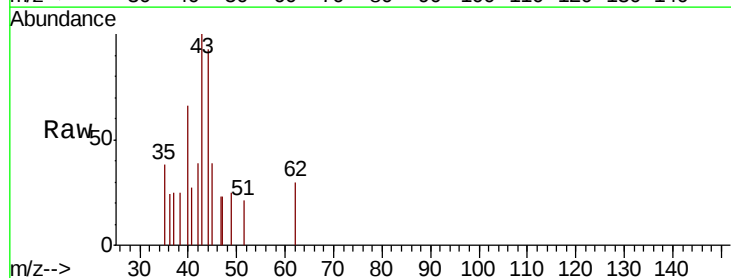
Acq: 03 Jun 2019 13:40

Tgt Ion: 43 Resp: 710

Ion Ratio Lower Upper

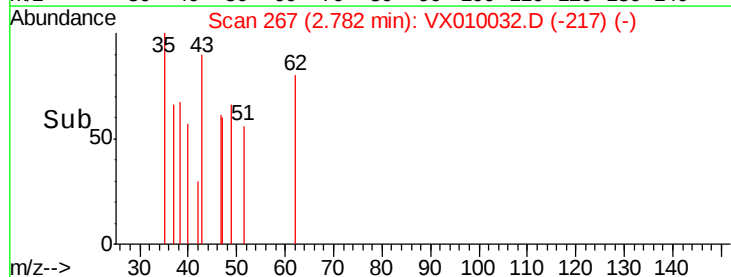
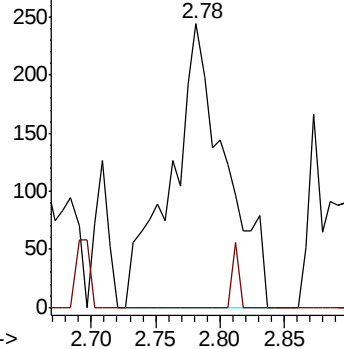
43 100

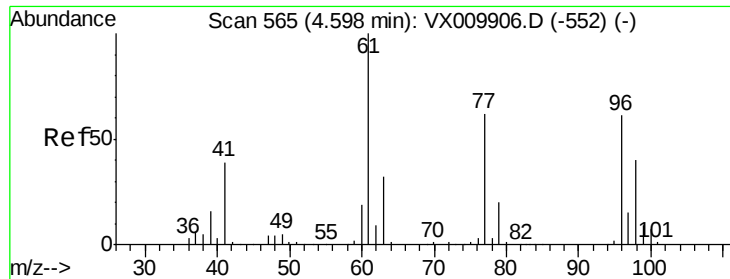
74 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



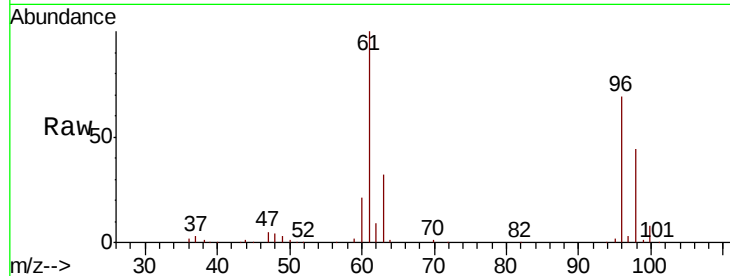


#27

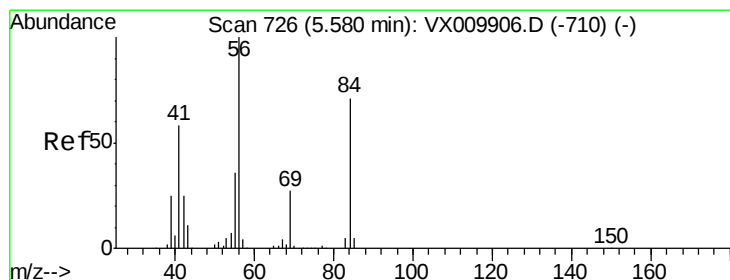
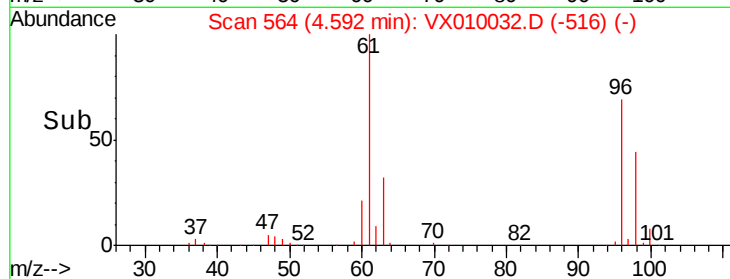
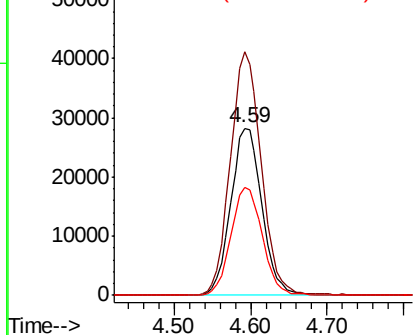
cis-1,2-Dichloroethene
 Concen: 35.309 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010032.D
 Acq: 03 Jun 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 96 Resp: 79799
 Ion Ratio Lower Upper
 96 100
 61 144.5 0.0 334.0
 98 64.9 0.0 131.6



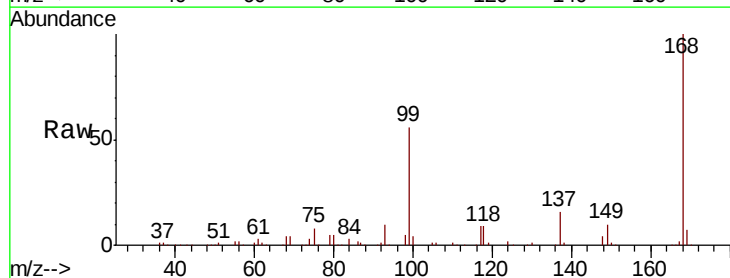
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



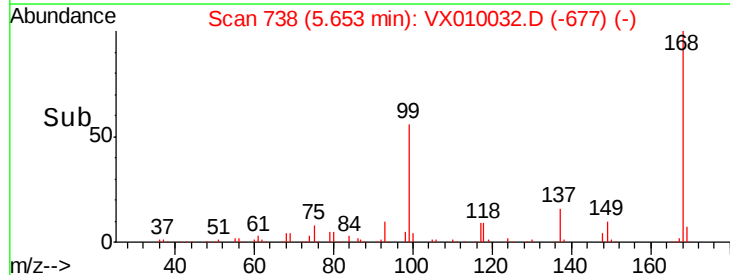
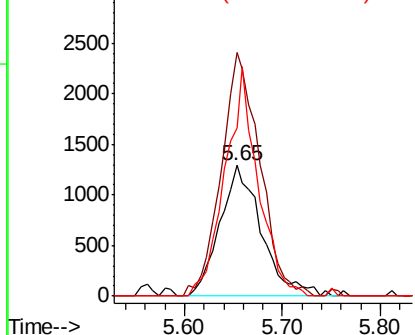
#31

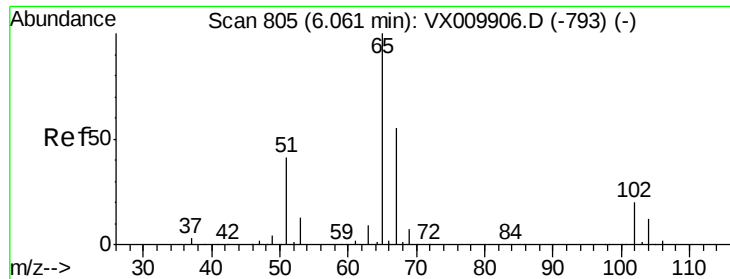
Cyclohexane
 Concen: 1.023 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. 0.07 min
 Lab File: VX010032.D
 Acq: 03 Jun 2019 13:40

Tgt Ion: 56 Resp: 3822
 Ion Ratio Lower Upper
 56 100
 69 182.3 21.6 32.4#
 84 128.5 56.8 85.2#



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

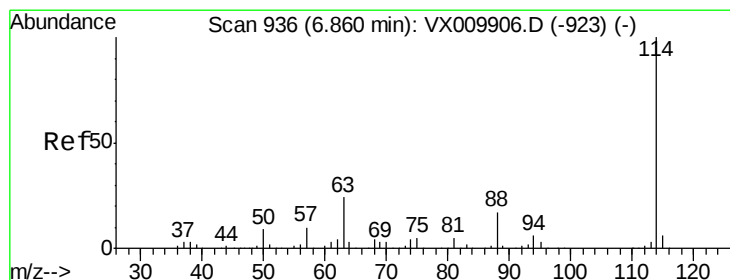
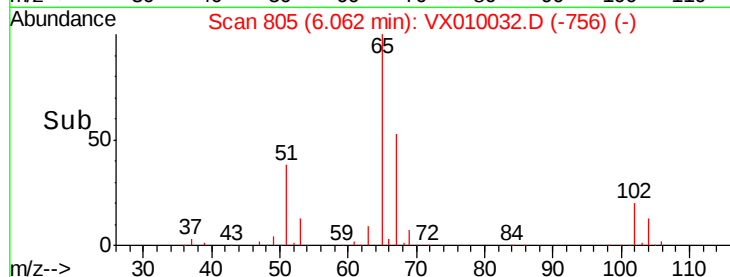
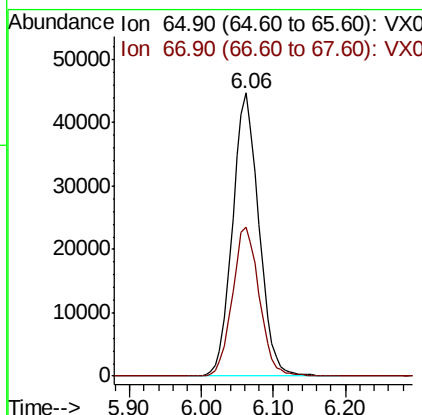
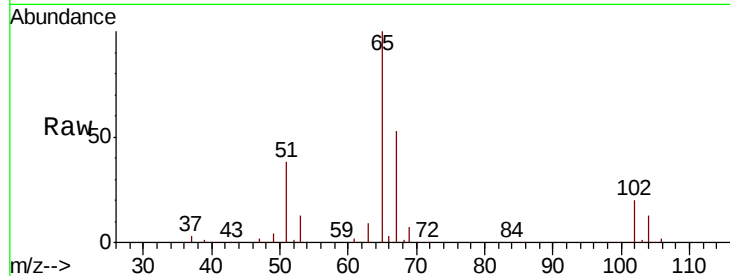




#33
 1,2-Dichloroethane-d4
 Concen: 46.389 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010032.D
 Acq: 03 Jun 2019 13:40

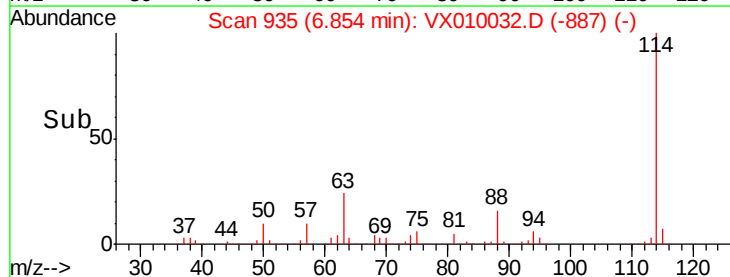
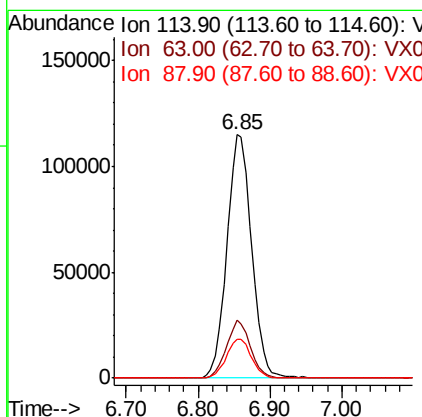
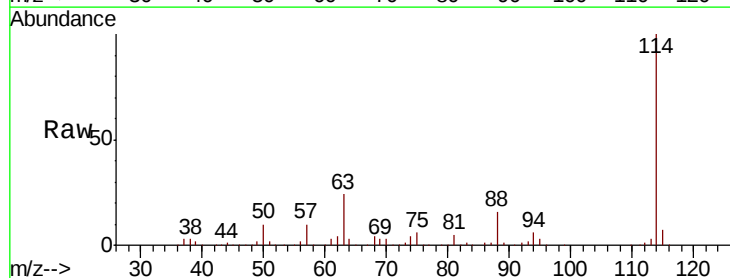
Instrument :
 MSVOA_X
 ClientSampleId :

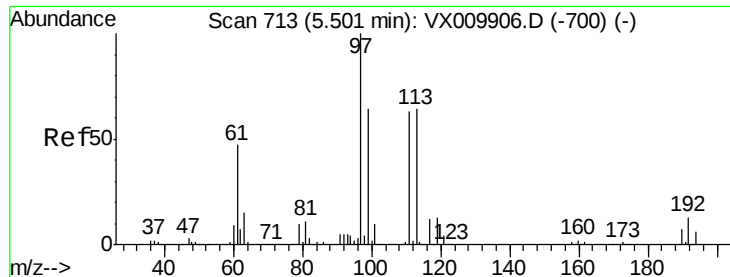
Tot Ion: 65 Resp: 113855
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010032.D
 Acq: 03 Jun 2019 13:40

Tgt Ion: 114 Resp: 275194
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 47.4
 88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.840 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010032.D

Acq: 03 Jun 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

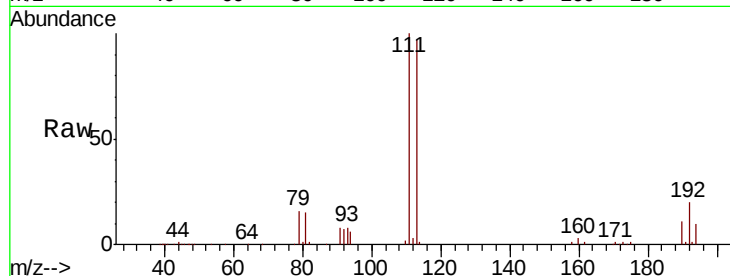
Tot Ion:113 Resp: 84501

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

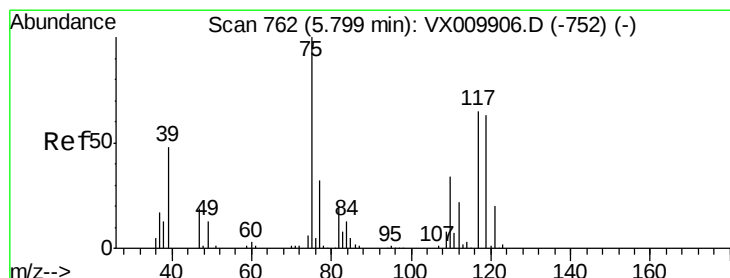
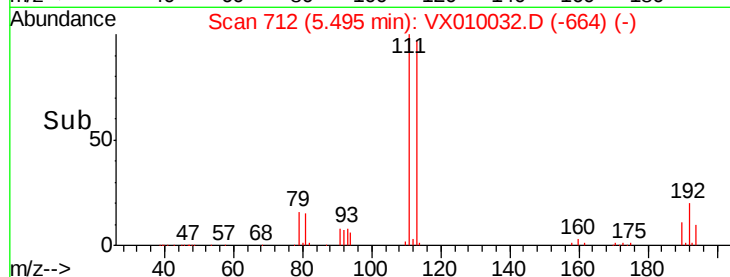
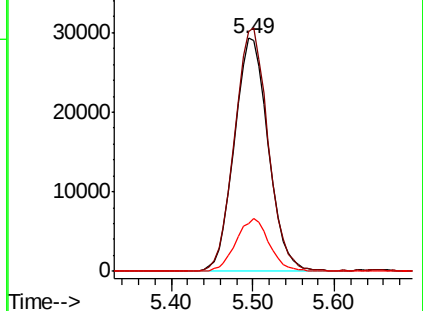
192 22.1 17.1 25.7



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: 4.668 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010032.D

Acq: 03 Jun 2019 13:40

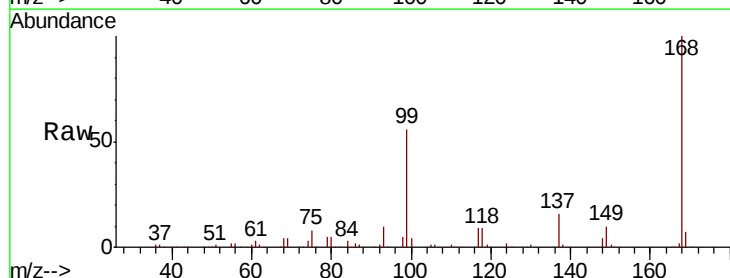
Tgt Ion: 75 Resp: 13033

Ion Ratio Lower Upper

75 100

110 9.0 16.7 50.1#

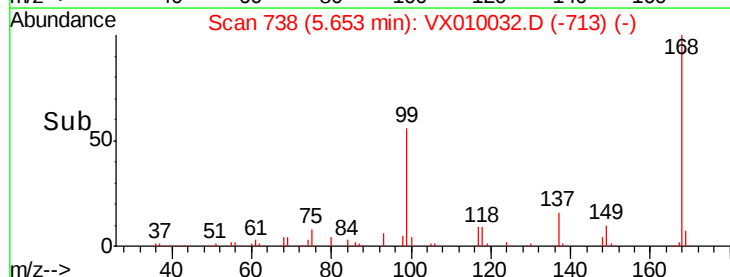
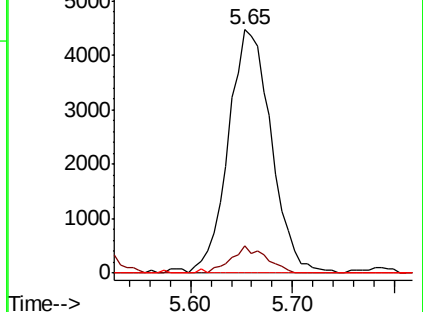
77 0.0 25.0 37.4#

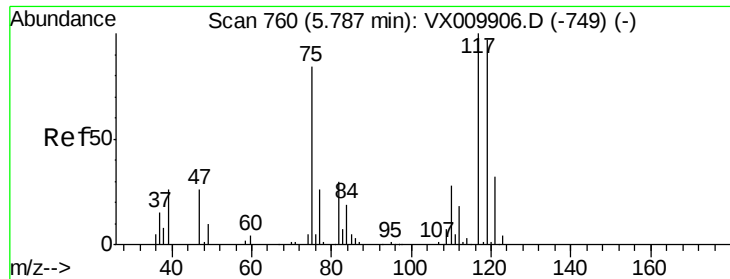


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.628 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010032.D

Acq: 03 Jun 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

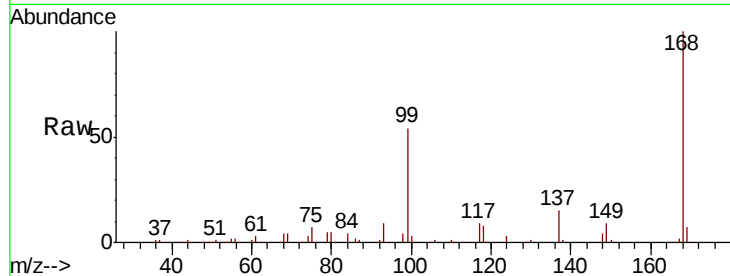
Tot Ion:117 Resp: 15993

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

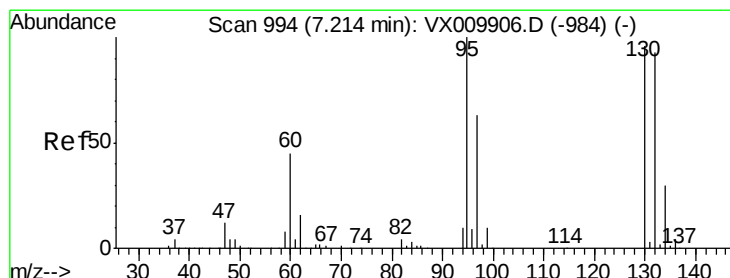
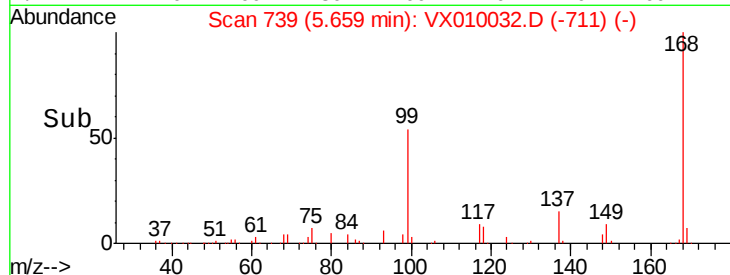
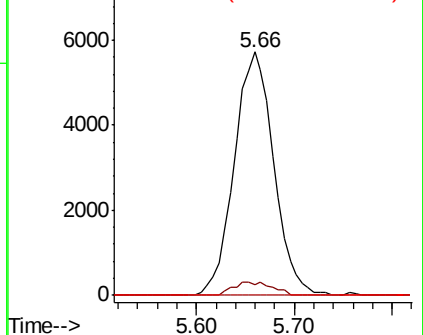
121 0.0 25.4 38.0#



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: 0.516 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010032.D

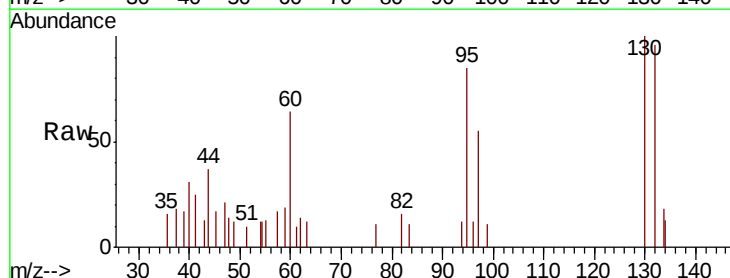
Acq: 03 Jun 2019 13:40

Tgt Ion:130 Resp: 1038

Ion Ratio Lower Upper

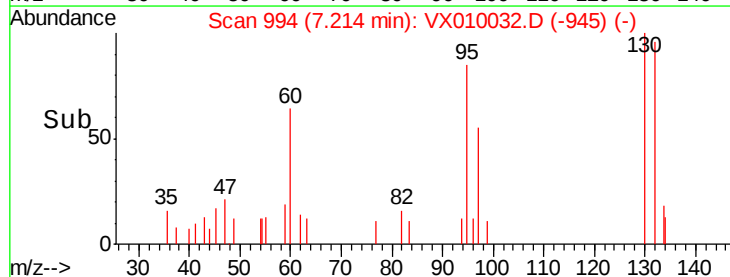
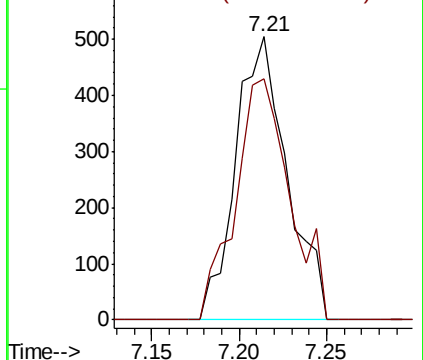
130 100

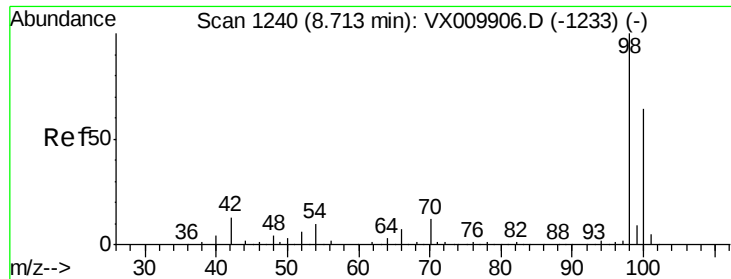
95 85.1 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.013 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010032.D

Acq: 03 Jun 2019 13:40

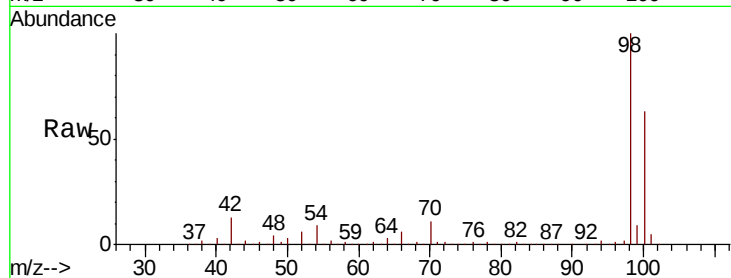
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 98 Resp: 351378

Ion Ratio Lower Upper

98 100

100 63.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

100000

50000

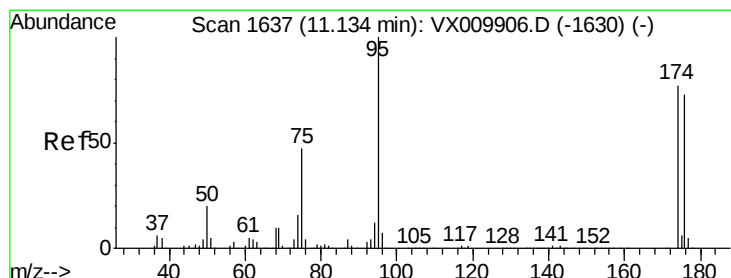
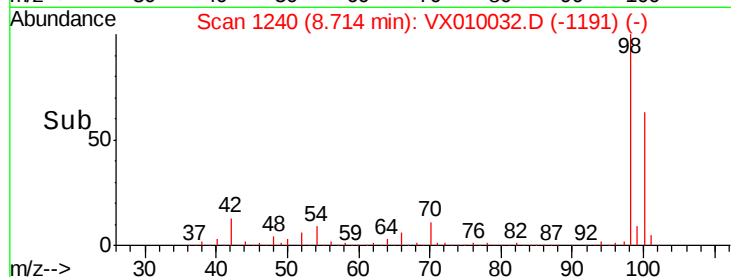
0

8.60

8.71

8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 47.343 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010032.D

Acq: 03 Jun 2019 13:40

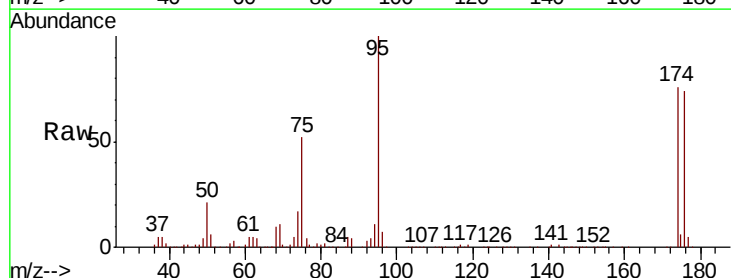
Tgt Ion: 95 Resp: 119472

Ion Ratio Lower Upper

95 100

174 82.2 0.0 160.4

176 81.1 0.0 154.6



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

120000

100000

80000

60000

40000

20000

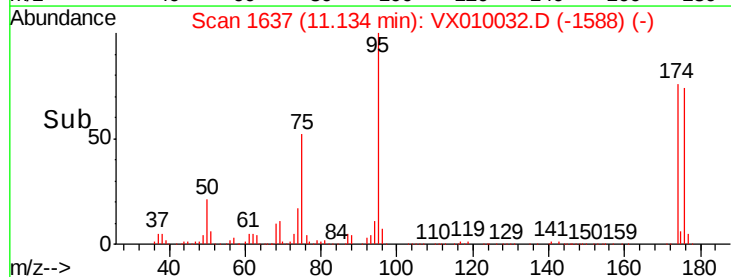
0

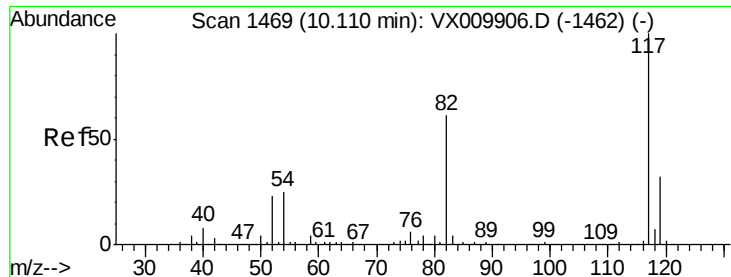
11.10

11.13

11.20

Time-->

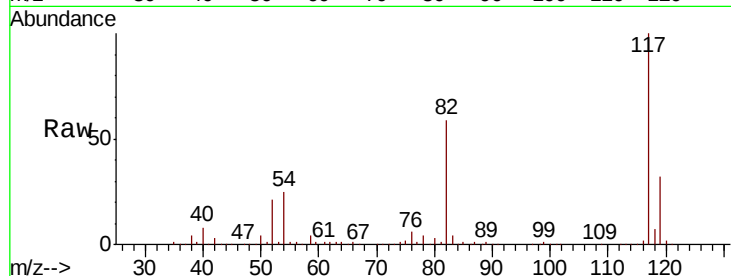




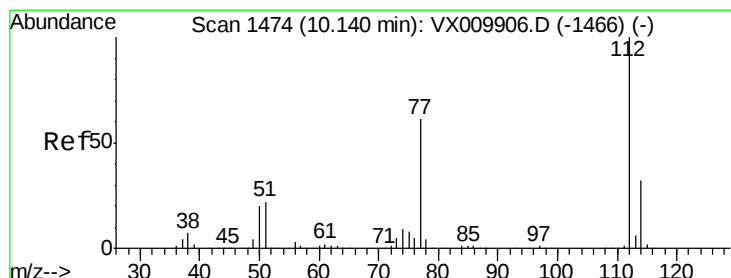
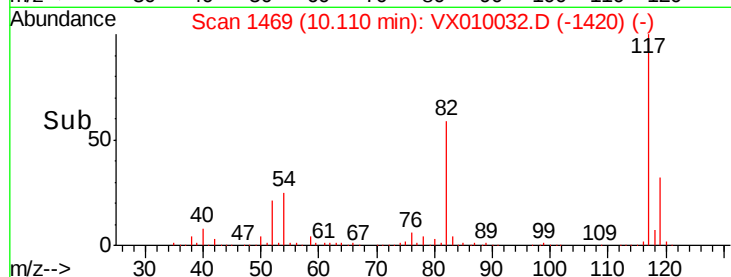
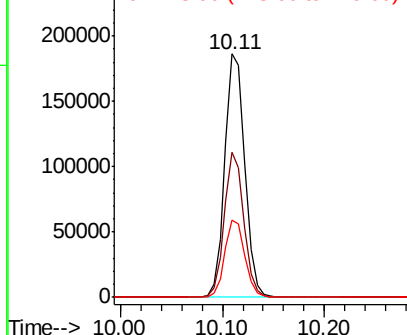
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010032.D
Acq: 03 Jun 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 254027
Ion Ratio Lower Upper
117 100
82 59.3 49.2 73.8
119 31.5 25.2 37.8

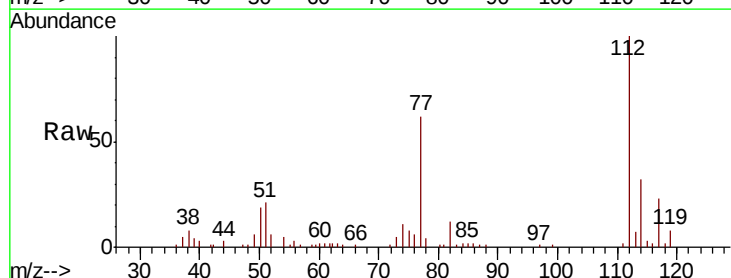


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

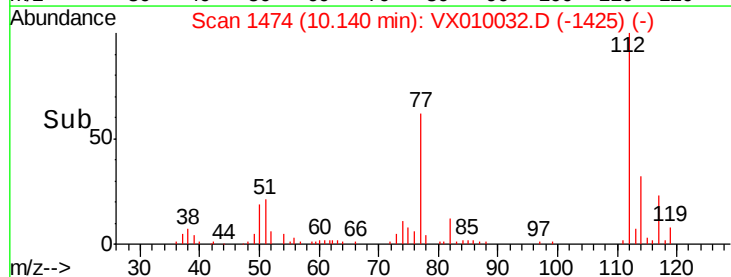
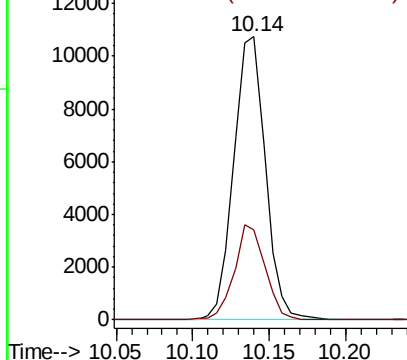


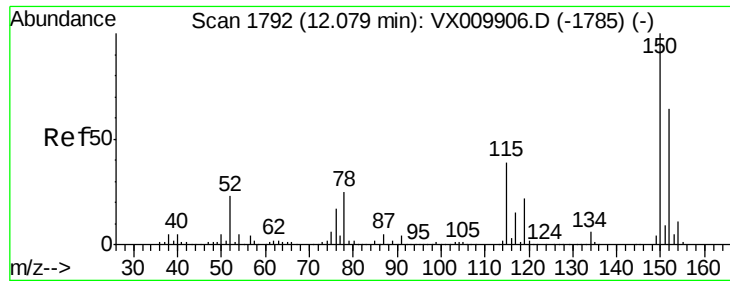
#65
Chlorobenzene
Concen: 2.905 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX010032.D
Acq: 03 Jun 2019 13:40

Tgt Ion:112 Resp: 15450
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



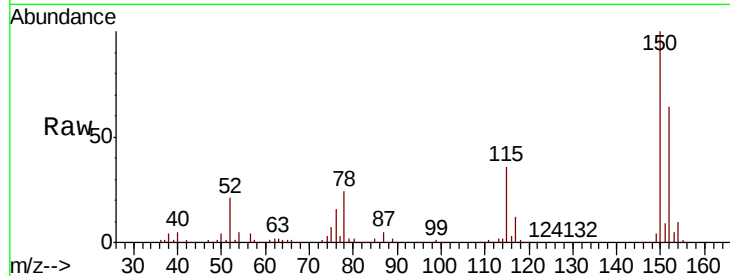


#72

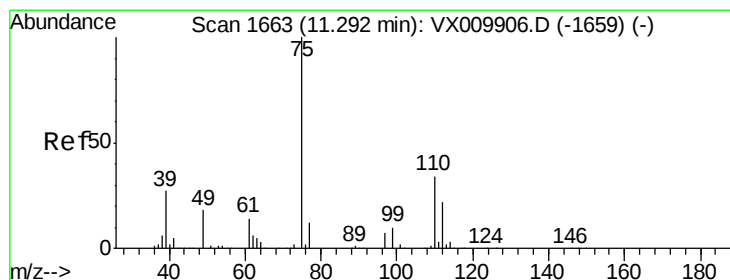
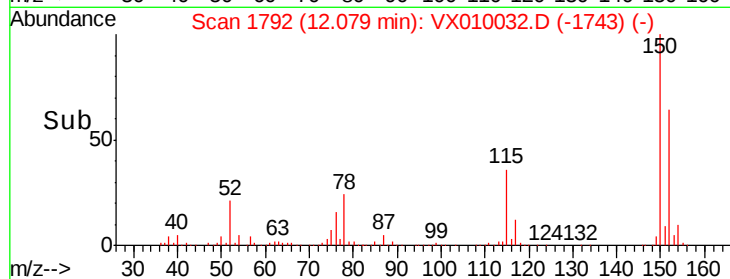
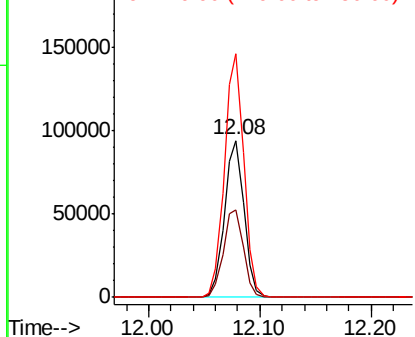
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010032.D
Acq: 03 Jun 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 113563
Ion Ratio Lower Upper
152 100
115 57.9 41.4 124.2
150 154.8 0.0 345.2



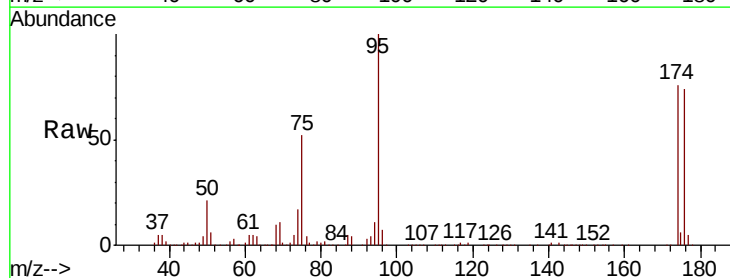
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



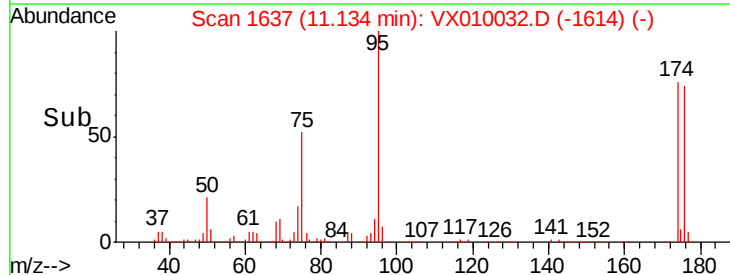
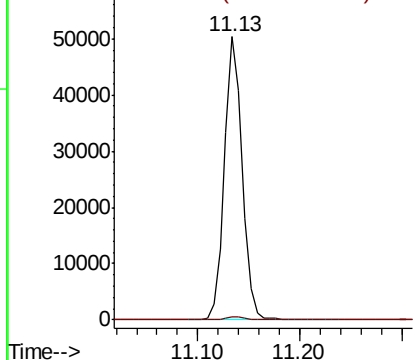
#76

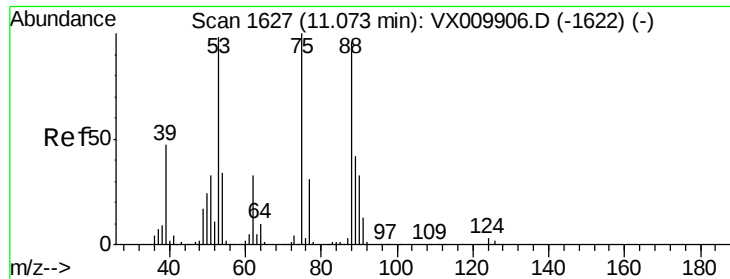
1,2,3-Trichloropropane
Concen: 22.494 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010032.D
Acq: 03 Jun 2019 13:40

Tgt Ion: 75 Resp: 61087
Ion Ratio Lower Upper
75 100
77 1.2 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

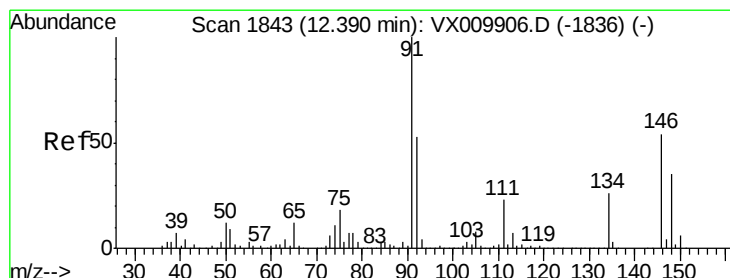
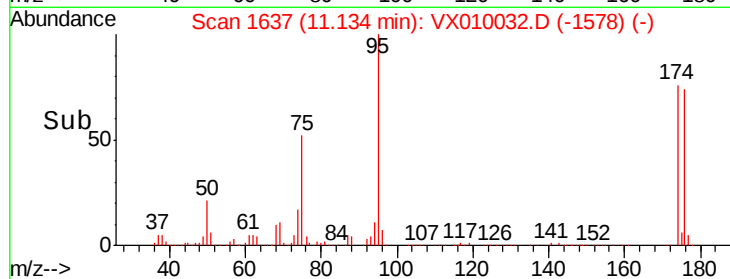
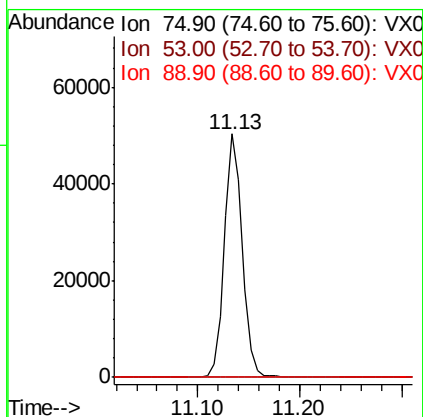
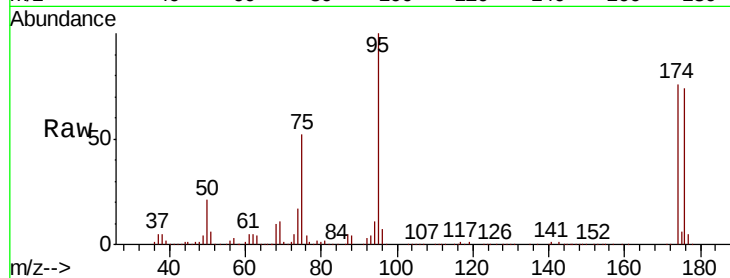




#81
trans-1,4-Dichloro-2-butene
Concen: 55.655 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010032.D
Acq: 03 Jun 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 61087
Ion Ratio Lower Upper
75 100
53 0.2 79.8 119.6#
89 0.1 34.2 51.4#



#91
1,2-Dichlorobenzene
Concen: 0.307 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010032.D
Acq: 03 Jun 2019 13:40

Tgt Ion: 146 Resp: 1151
Ion Ratio Lower Upper
146 100
111 50.6 21.1 63.1
148 78.5 32.3 96.8

