

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
 Data File : VX010906.D
 Acq On : 16 Jul 2019 14:08
 Operator : JC/SP
 Sample : VX0716WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBL01

Quant Time: Jul 17 05:02:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:37:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	240442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	372718	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152618	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	125448	49.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.08%	
35) Dibromofluoromethane	5.49	113	117737	49.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.54%	
50) Toluene-d8	8.71	98	445814	50.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	11.13	95	152771	46.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.68%	

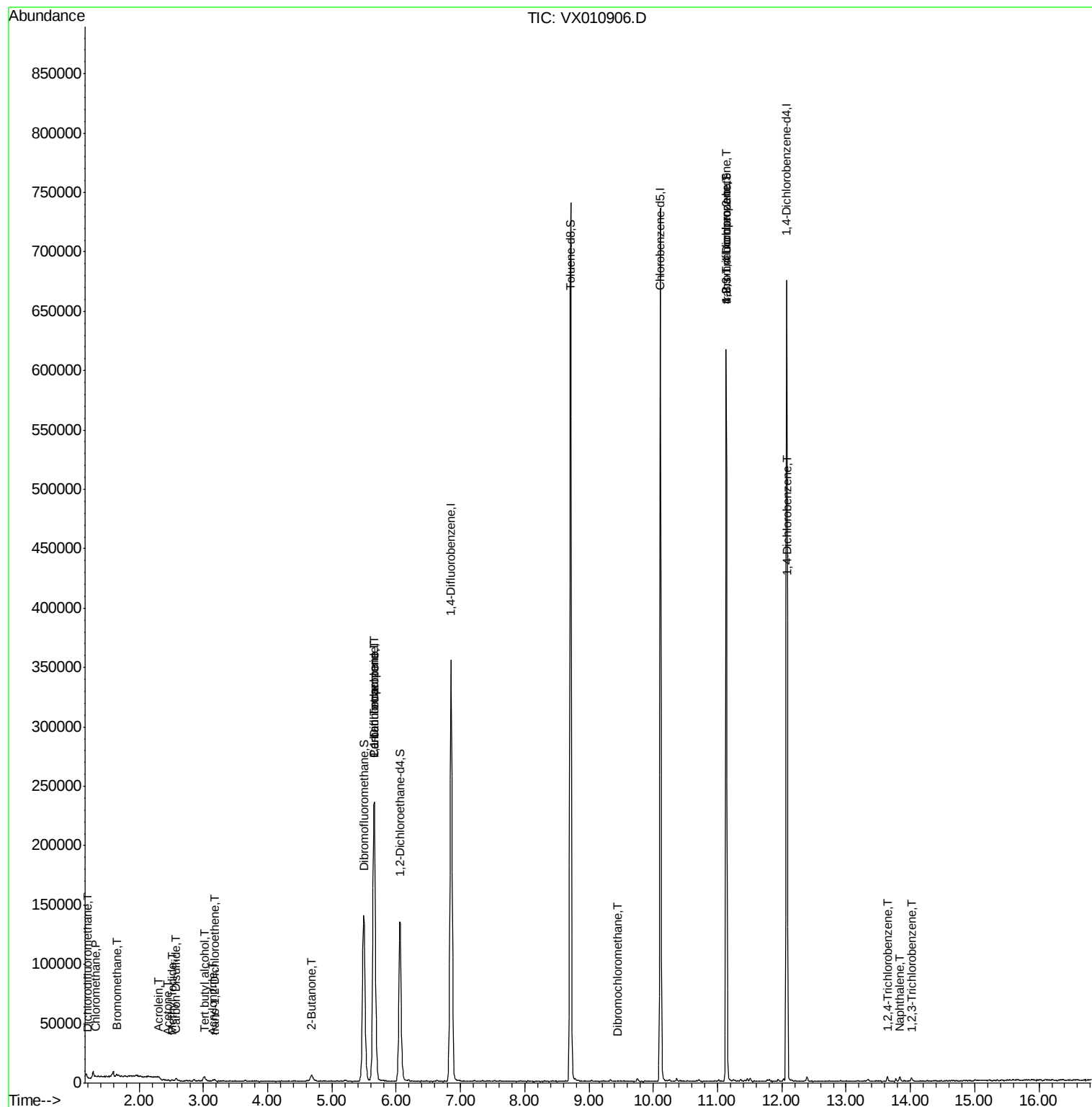
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	99	0.585	ug/l #	1
3) Chloromethane	1.33	50	569	0.257	ug/l #	63
5) Bromomethane	1.65	94	1163	0.915	ug/l	94
10) Methyl Iodide	2.51	142	758	0.265	ug/l	95
11) Tert butyl alcohol	3.02	59	2200	3.693	ug/l #	77
13) Acrolein	2.29	56	596	1.732	ug/l	98
15) Acrylonitrile	3.15	53	605	0.503	ug/l #	78
16) Acetone	2.44	43	563	0.487	ug/l #	63
17) Carbon Disulfide	2.57	76	2547	0.464	ug/l #	86
21) trans-1,2-Dichloroethene	3.17	96	473	0.208	ug/l #	57
25) 2-Butanone	4.69	43	513	0.309	ug/l #	46
36) 1,1-Dichloropropene	5.65	75	16128	5.268	ug/l #	49
38) Carbon Tetrachloride	5.66	117	21949	6.880	ug/l #	17
60) Dibromochloromethane	9.44	129	21	2.535	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	76432	27.752	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	76432	68.695	ug/l #	11
88) 1,4-Dichlorobenzene	12.09	146	1175	0.232	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	990	0.299	ug/l	98
95) Naphthalene	13.83	128	2239	0.229	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.02	180	816	0.247	ug/l	92

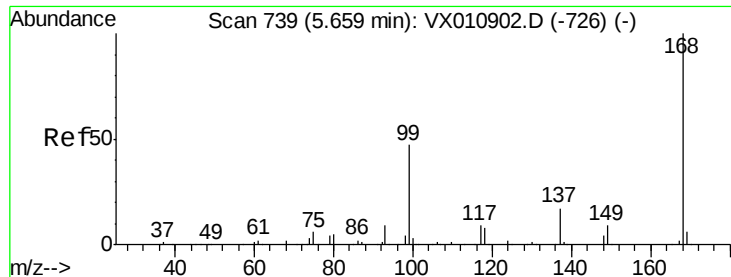
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 16 Jul 2019 14:08
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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
VX0716WBL01

Quant Time: Jul 17 05:02:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 04:37:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX010906.D

Acq: 16 Jul 2019 14:08

Instrument :

MSVOA_X

ClientSampled :

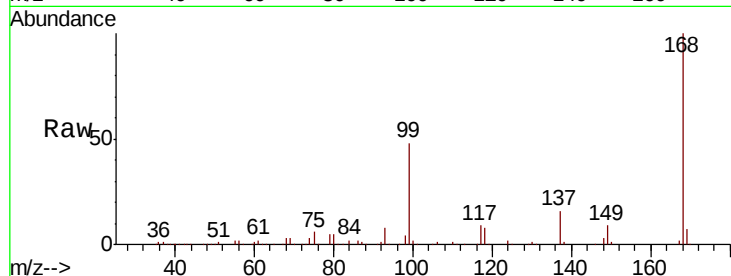
VX0716WBL01

Tot Ion:168 Resp: 240442

Ion Ratio Lower Upper

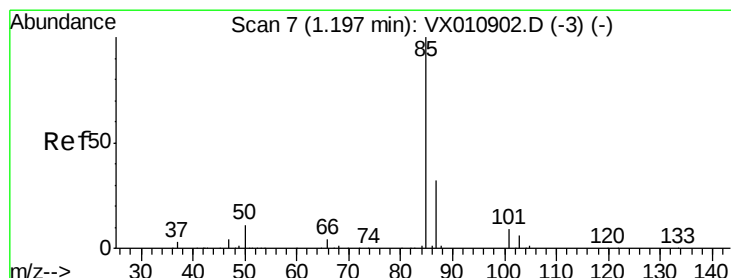
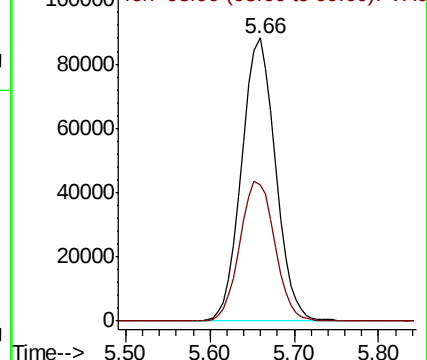
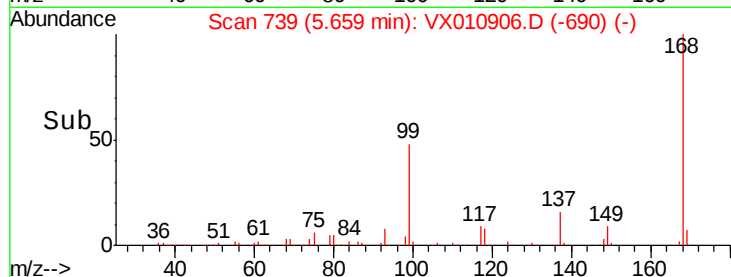
168 100

99 48.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.585 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010906.D

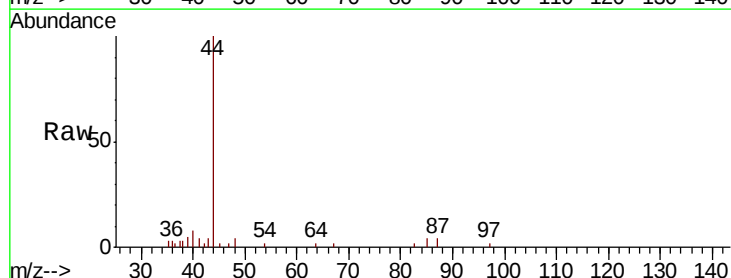
Acq: 16 Jul 2019 14:08

Tgt Ion: 85 Resp: 99

Ion Ratio Lower Upper

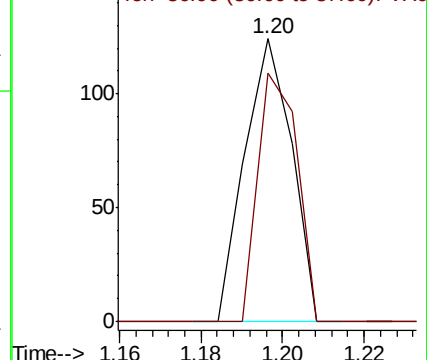
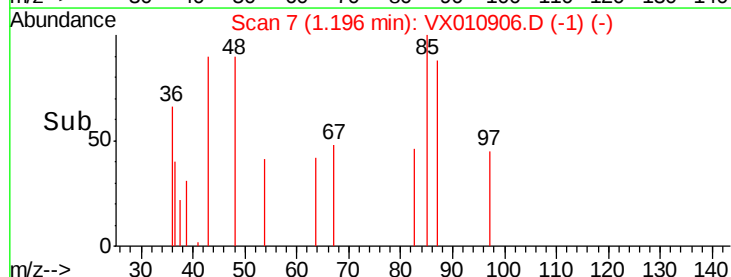
85 100

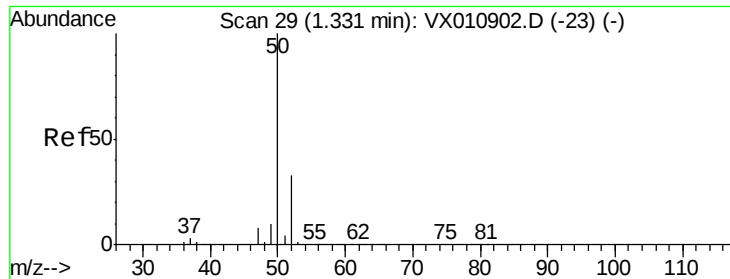
87 87.9 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.257 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010906.D

Acq: 16 Jul 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

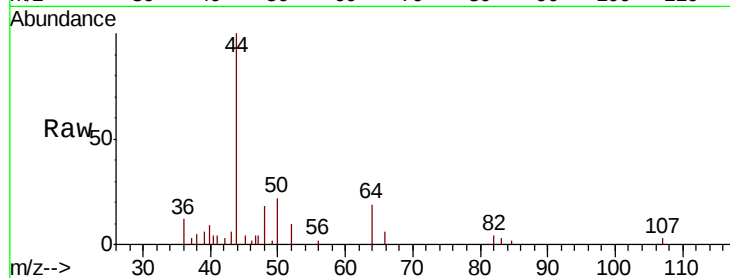
VX0716WBL01

Tot Ion: 50 Resp: 569

Ion Ratio Lower Upper

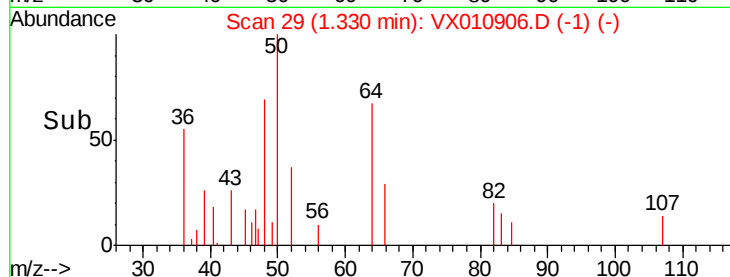
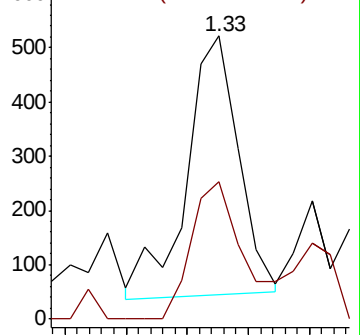
50 100

52 54.2 26.4 39.6#

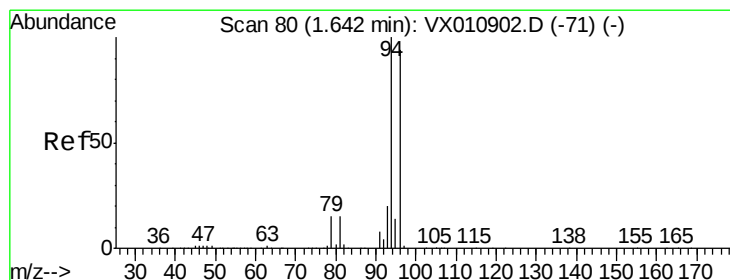


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: 0.915 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX010906.D

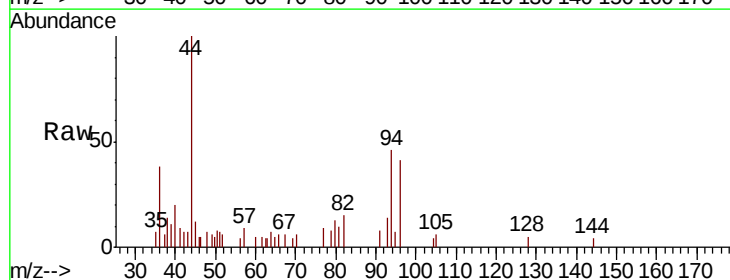
Acq: 16 Jul 2019 14:08

Tgt Ion: 94 Resp: 1163

Ion Ratio Lower Upper

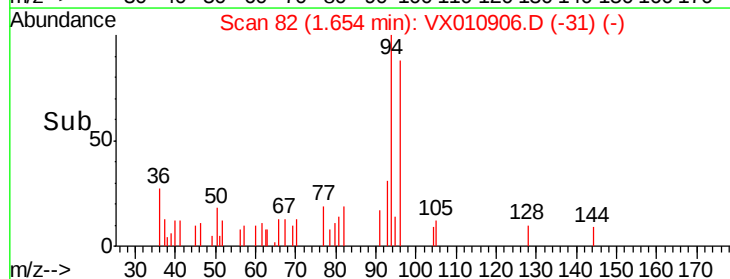
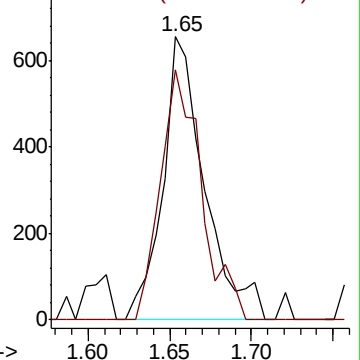
94 100

96 88.2 75.6 113.4

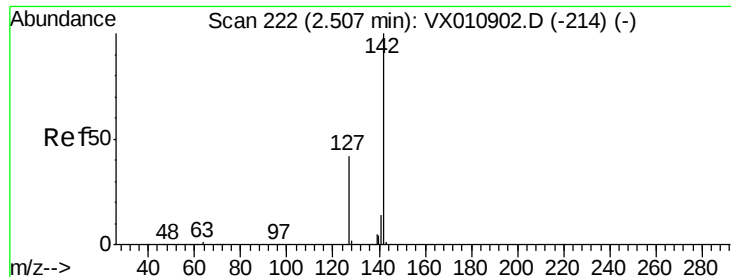


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



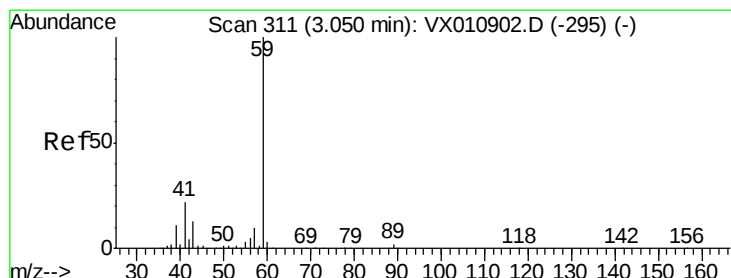
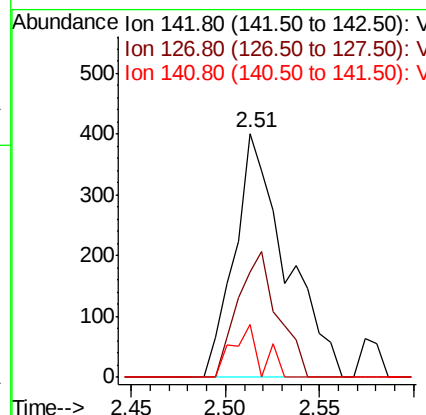
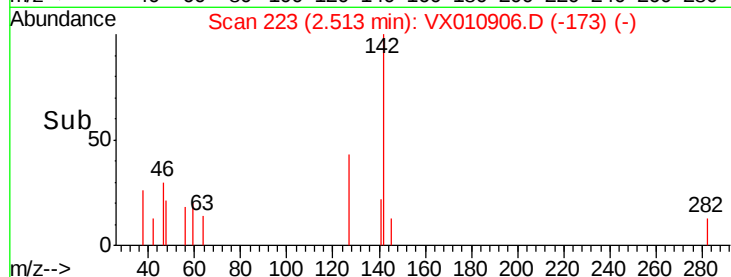
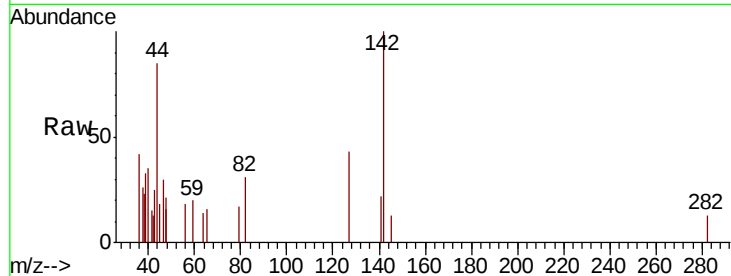
Time-->



#10
Methvl Iodide
Concen: 0.265 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010906.D
Acq: 16 Jul 2019 14:08

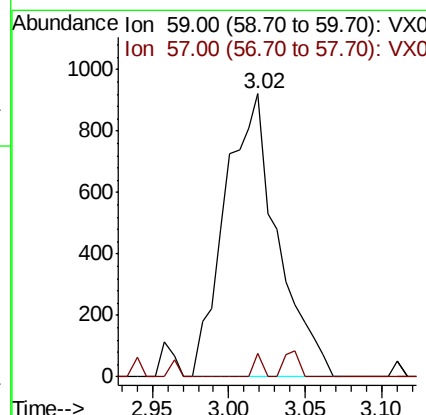
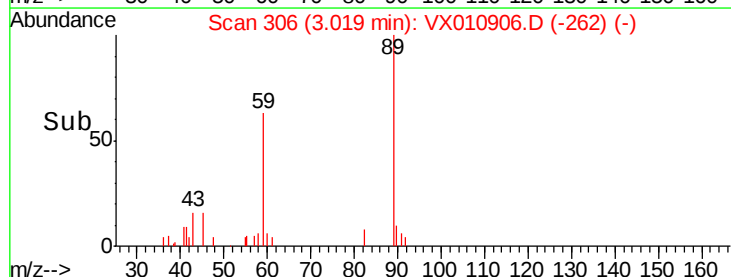
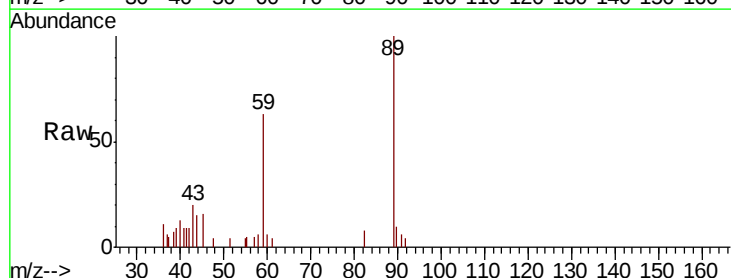
Instrument :
MSVOA_X
ClientSampled :
VX0716WBL01

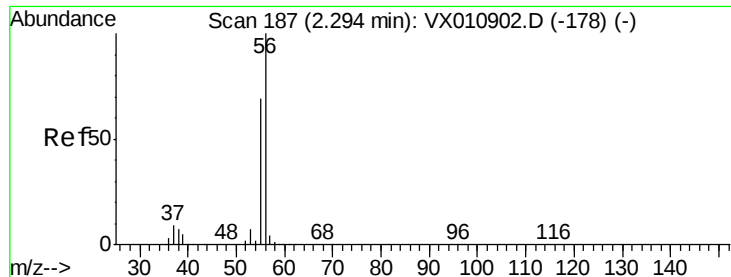
Tot Ion:142 Resp: 758
Ion Ratio Lower Upper
142 100
127 40.1 34.2 51.4
141 12.0 11.7 17.5



#11
Tert butyl alcohol
Concen: 3.693 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010906.D
Acq: 16 Jul 2019 14:08

Tgt Ion: 59 Resp: 2200
Ion Ratio Lower Upper
59 100
57 1.2 7.9 11.9#





#13

Acrolein

Concen: 1.732 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010906.D

Acq: 16 Jul 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

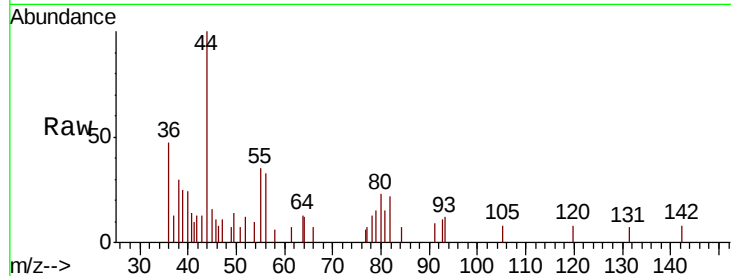
VX0716WBL01

Tot Ion: 56 Resp: 596

Ion Ratio Lower Upper

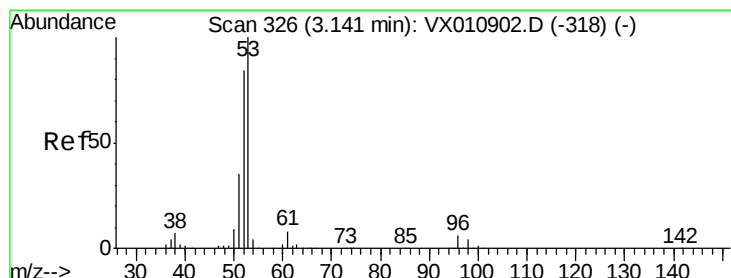
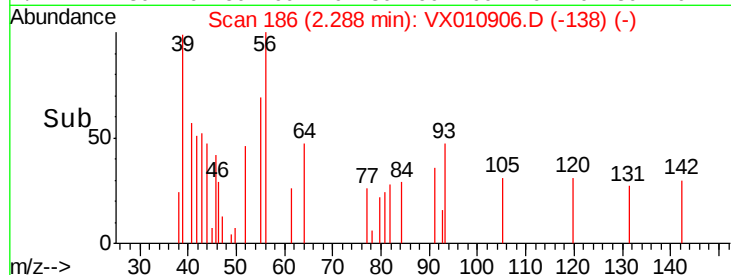
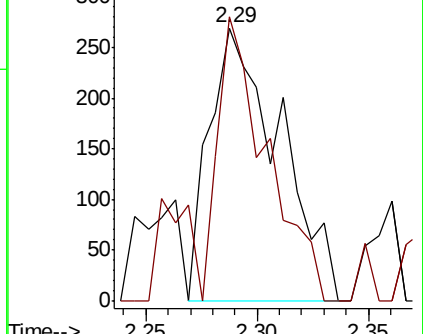
56 100

55 71.5 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.503 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010906.D

Acq: 16 Jul 2019 14:08

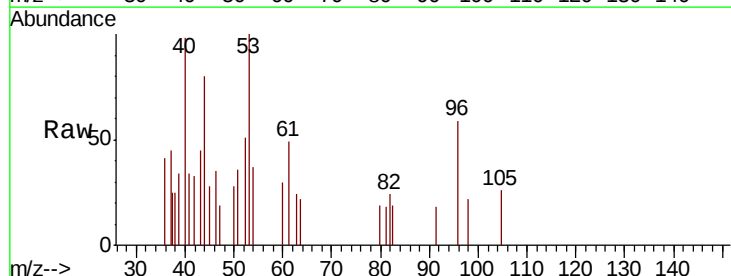
Tgt Ion: 53 Resp: 605

Ion Ratio Lower Upper

53 100

52 74.5 66.5 99.7

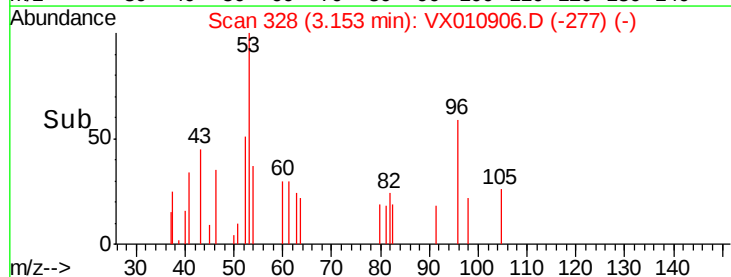
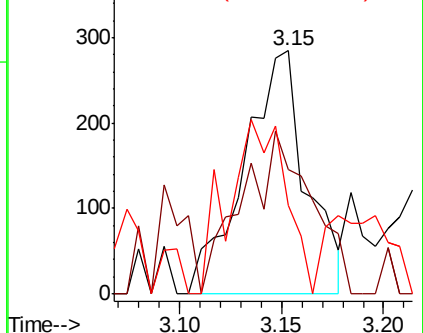
51 65.3 28.2 42.4#

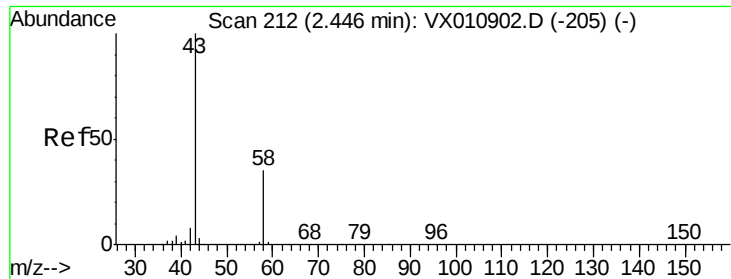


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.487 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010906.D

Acq: 16 Jul 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

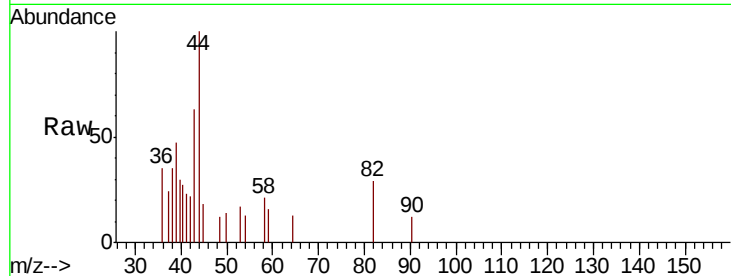
VX0716WBL01

Tot Ion: 43 Resp: 563

Ion Ratio Lower Upper

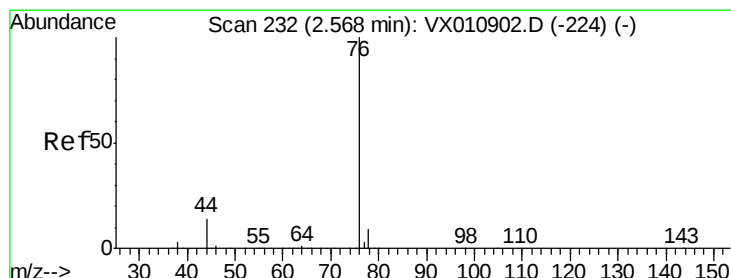
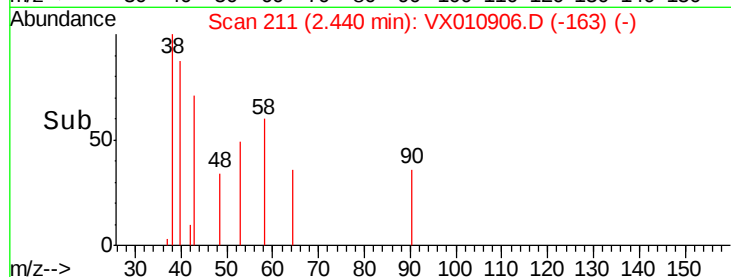
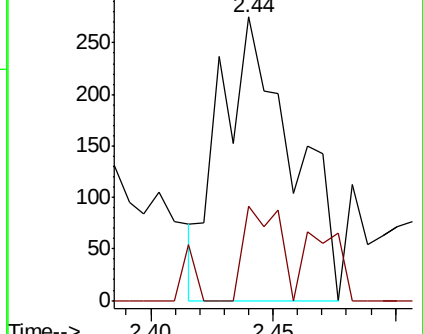
43 100

58 13.5 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.464 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010906.D

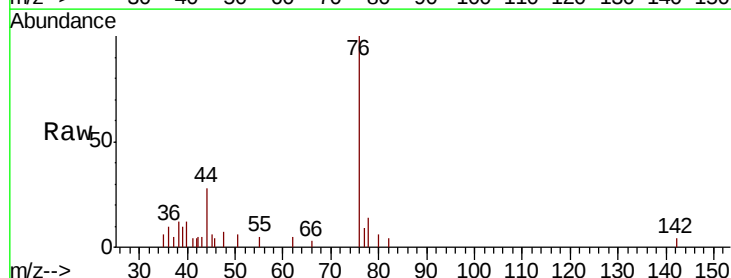
Acq: 16 Jul 2019 14:08

Tgt Ion: 76 Resp: 2547

Ion Ratio Lower Upper

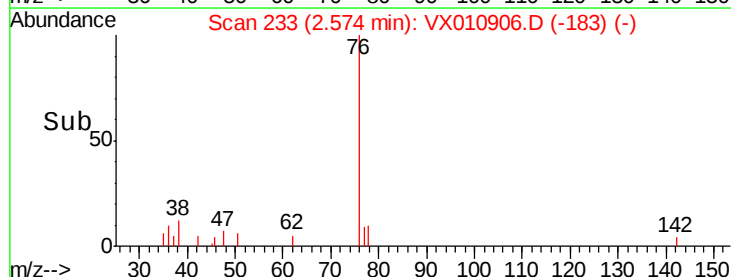
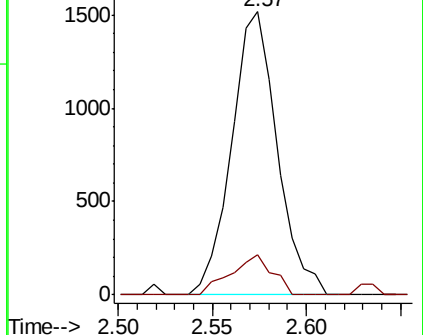
76 100

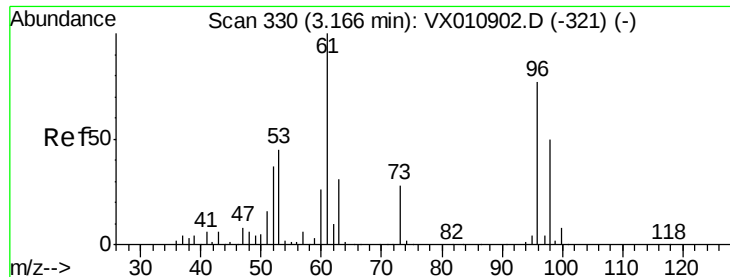
78 14.3 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

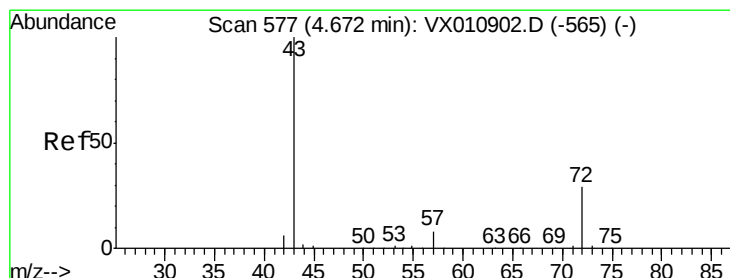
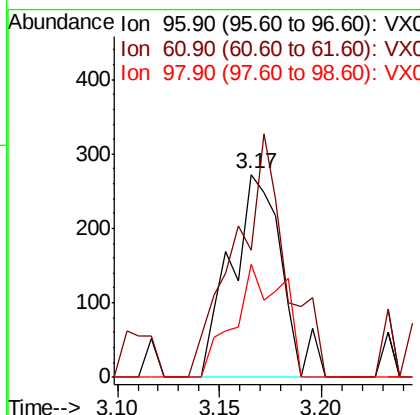
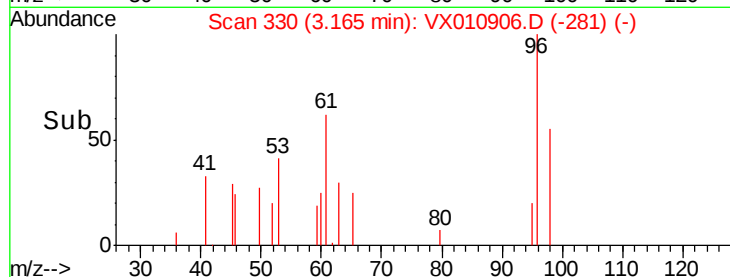
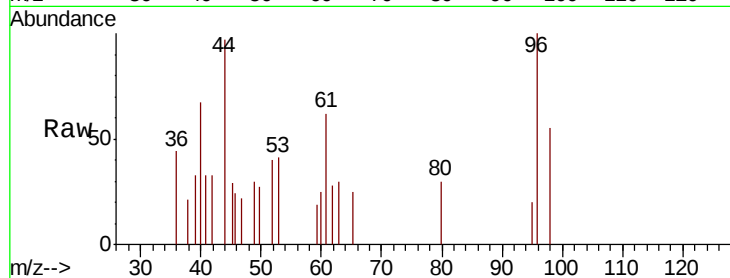




#21
trans-1,2-Dichloroethene
Concen: 0.208 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX010906.D
Acq: 16 Jul 2019 14:08

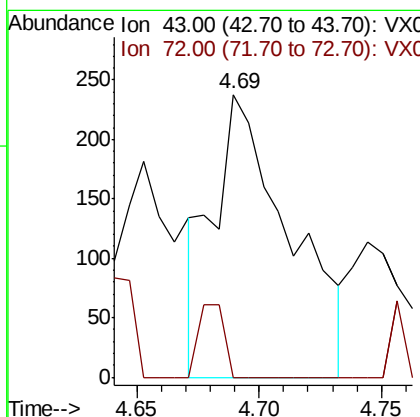
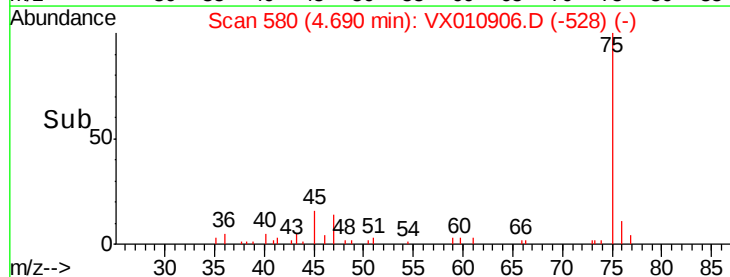
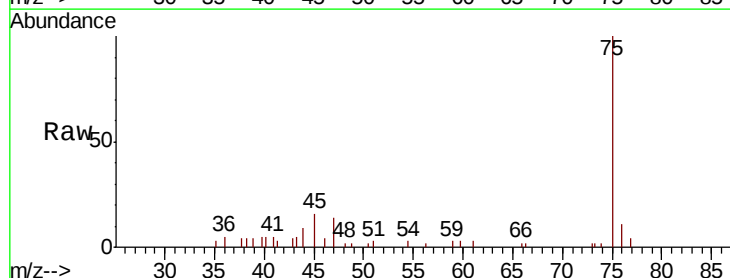
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBL01

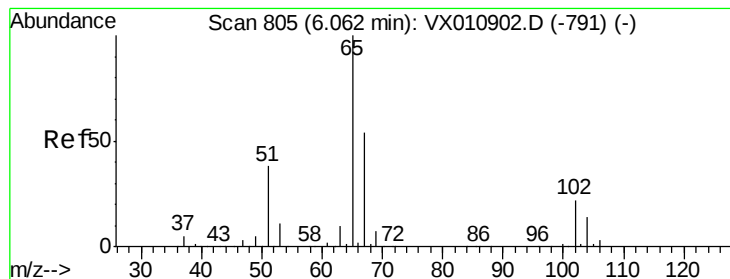
Tot Ion: 96 Resp: 473
Ion Ratio Lower Upper
96 100
61 62.3 104.2 156.2#
98 55.3 52.2 78.4



#25
2-Butanone
Concen: 0.309 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX010906.D
Acq: 16 Jul 2019 14:08

Tgt Ion: 43 Resp: 513
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#





#33

1,2-Dichloroethane-d4

Concen: 49.043 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010906.D

Acq: 16 Jul 2019 14:08

Instrument :

MSVOA_X

ClientSampled :

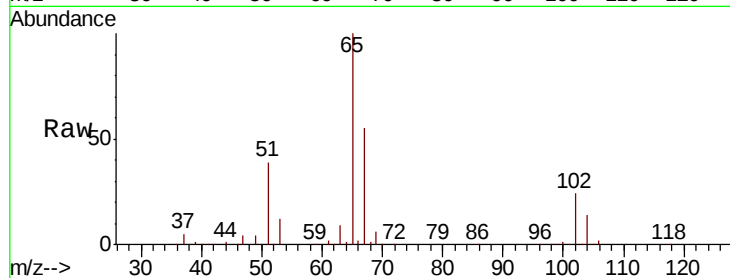
VX0716WBL01

Tot Ion: 65 Resp: 125448

Ion Ratio Lower Upper

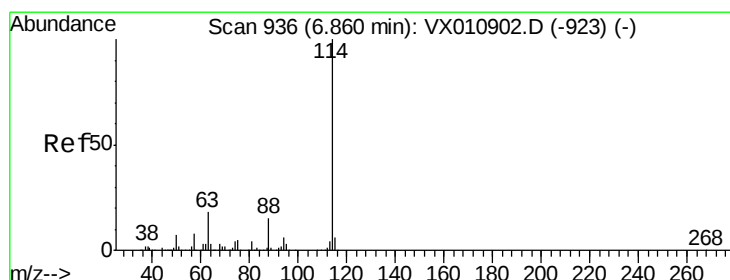
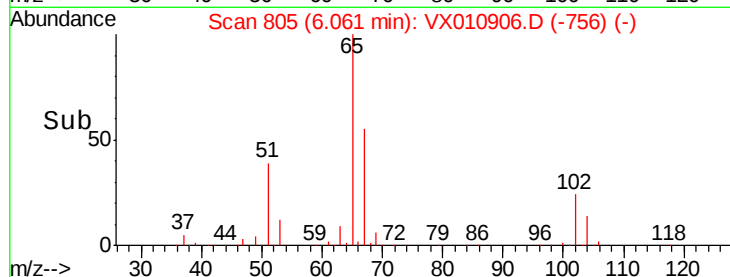
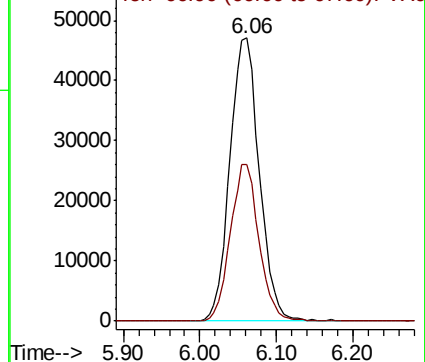
65 100

67 53.7 0.0 107.8



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# 935

Delta R.T. -0.01 min

Lab File: VX010906.D

Acq: 16 Jul 2019 14:08

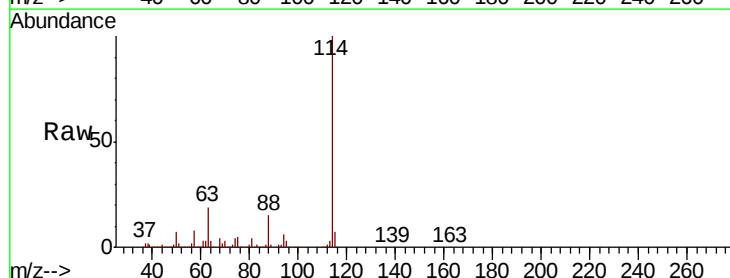
Tgt Ion: 114 Resp: 372718

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.6

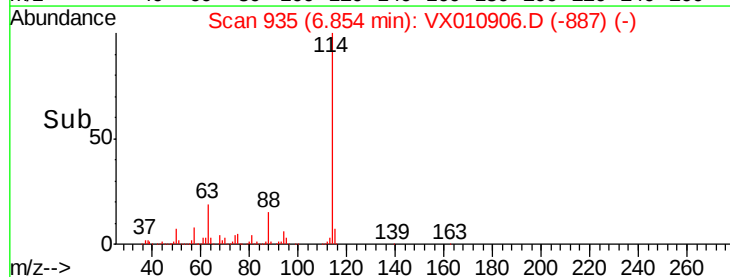
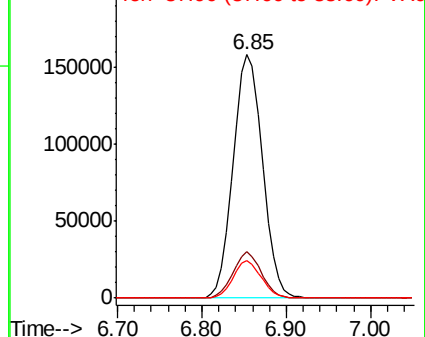
88 15.5 0.0 29.8

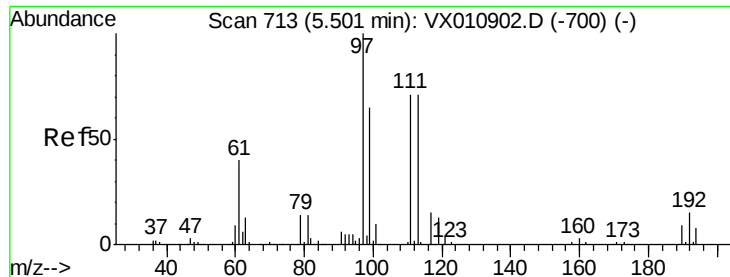


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

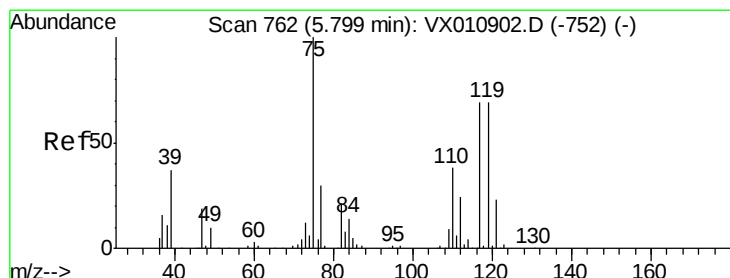
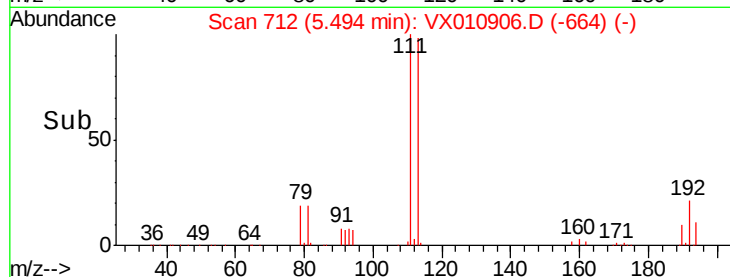
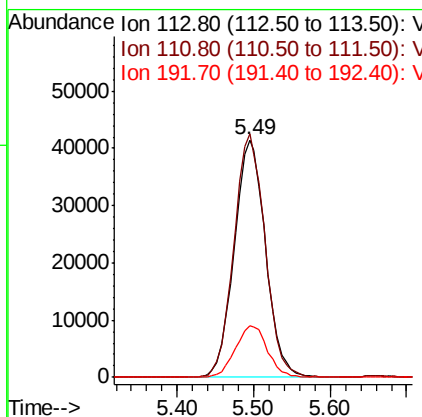
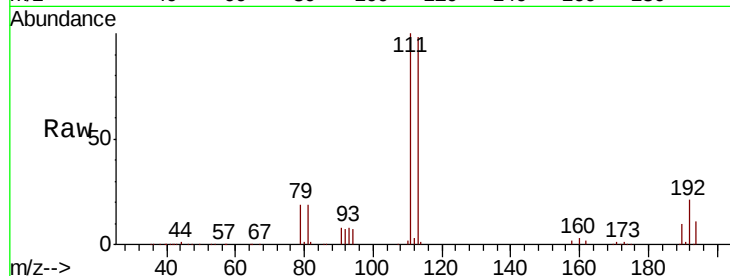




#35
 Dibromofluoromethane
 Concen: 49.768 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010906.D
 Acq: 16 Jul 2019 14:08

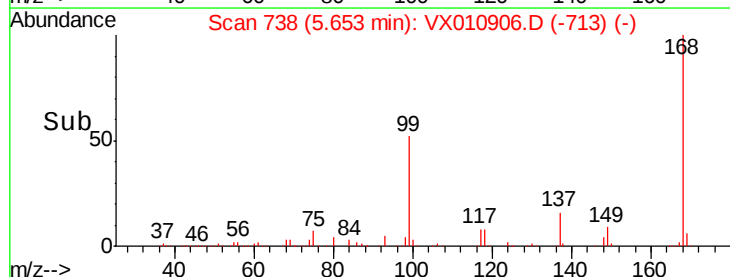
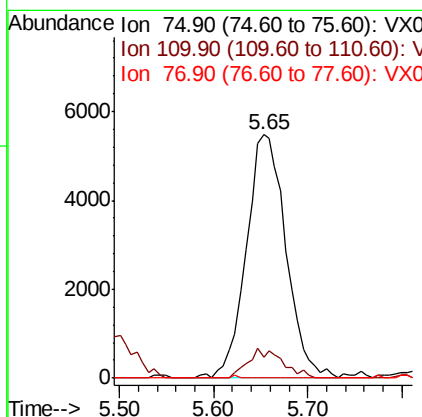
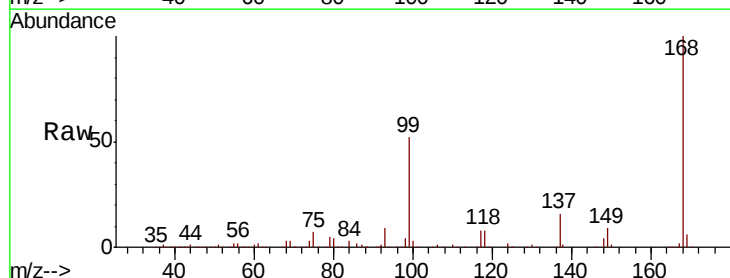
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBL01

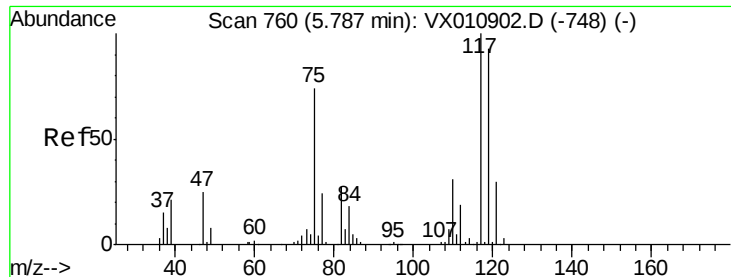
Tot Ion:113 Resp: 117737
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.3 123.5
 192 22.2 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 5.268 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010906.D
 Acq: 16 Jul 2019 14:08

Tgt Ion: 75 Resp: 16128
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.9 59.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.880 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010906.D

Acq: 16 Jul 2019 14:08

Instrument :

MSVOA_X

ClientSampled :

VX0716WBL01

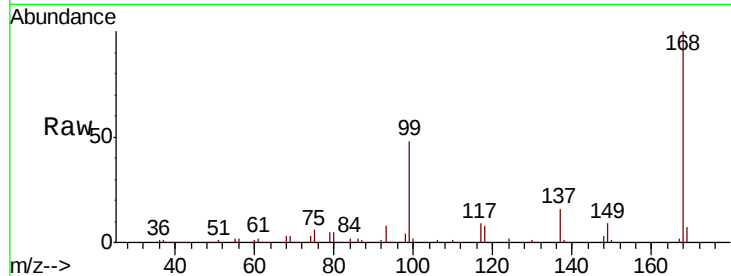
Tot Ion:117 Resp: 21949

Ion Ratio Lower Upper

117 100

119 4.8 74.2 111.2#

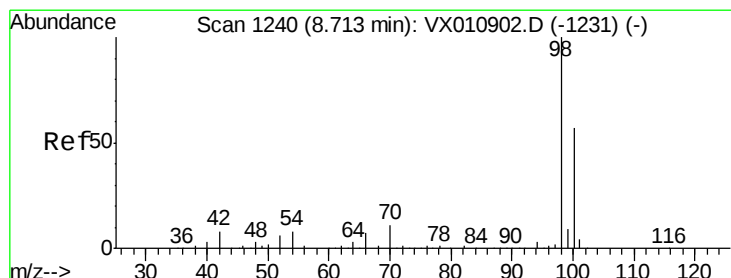
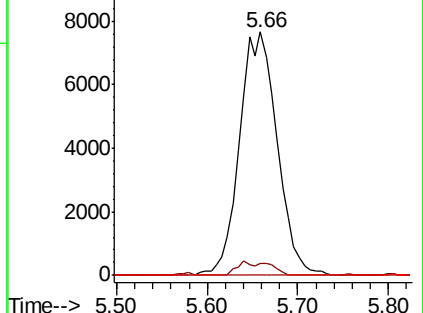
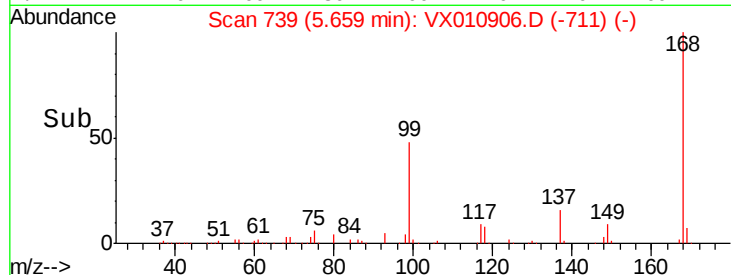
121 0.0 24.2 36.2#



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: 50.244 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010906.D

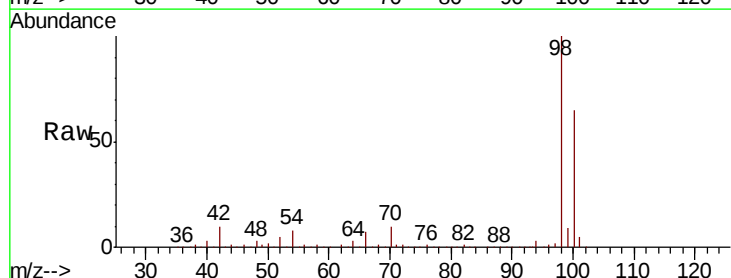
Acq: 16 Jul 2019 14:08

Tgt Ion: 98 Resp: 445814

Ion Ratio Lower Upper

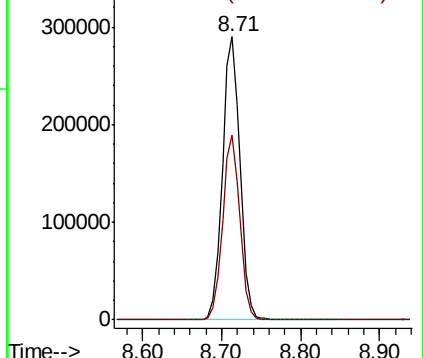
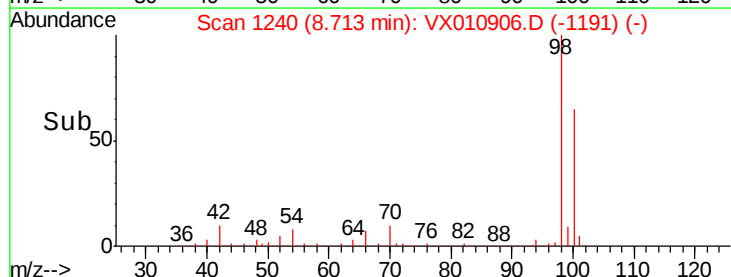
98 100

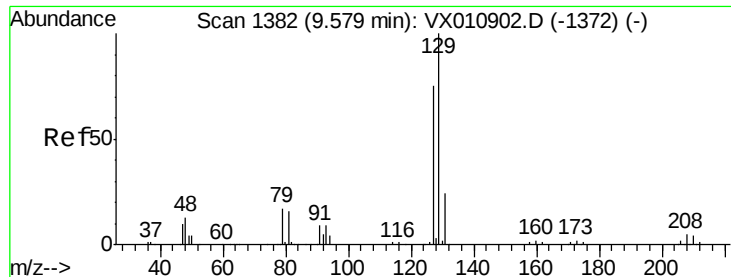
100 63.9 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.535 ug/l

RT: 9.44 min Scan# 1360

Delta R.T. -0.13 min

Lab File: VX010906.D

Acq: 16 Jul 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

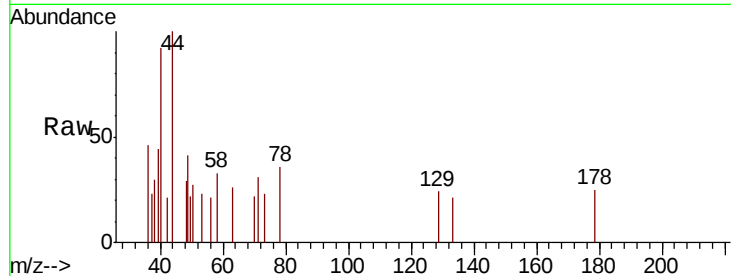
VX0716WBL01

Tot Ion:129 Resp: 21

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.44

60

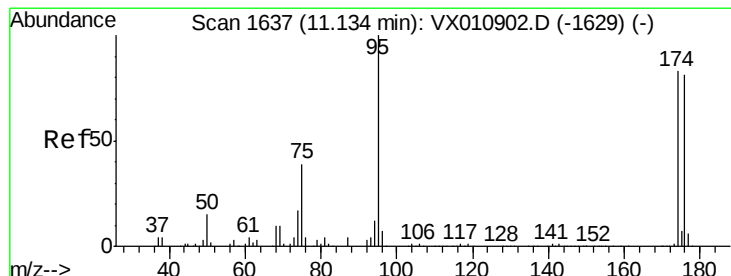
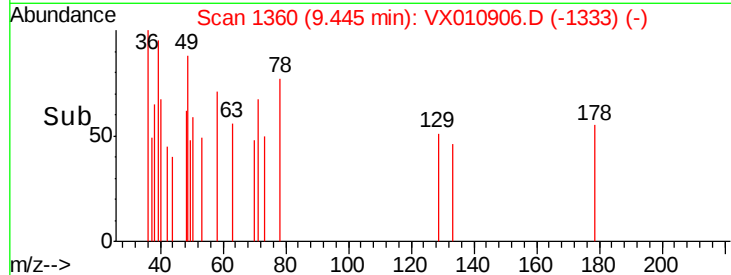
40

20

0

9.43 9.44 9.45 9.46

Time-->



#62

4-Bromofluorobenzene

Concen: 46.842 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010906.D

Acq: 16 Jul 2019 14:08

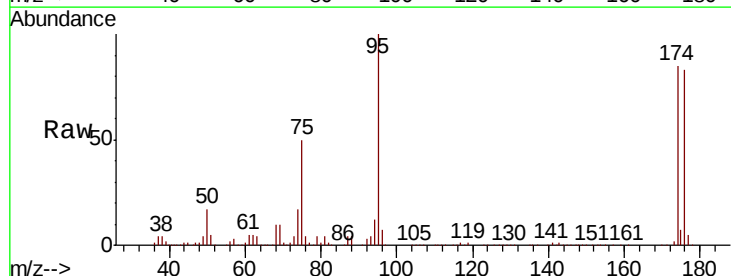
Tgt Ion: 95 Resp: 152771

Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.6

176 89.1 0.0 173.8



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

150000

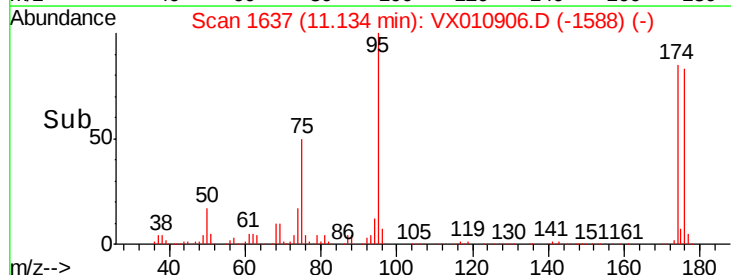
100000

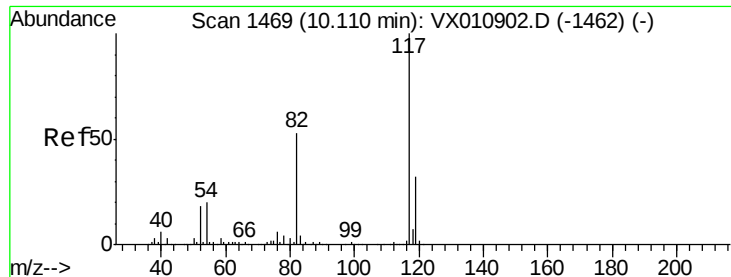
50000

0

11.10 11.13 11.20

Time-->

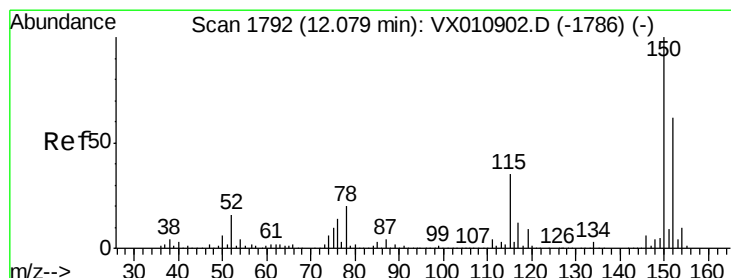
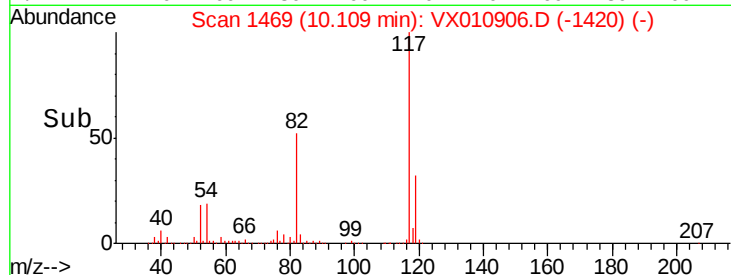
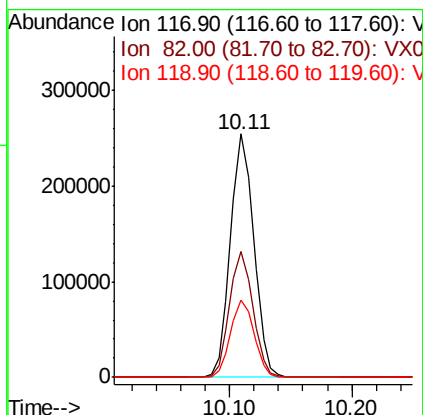
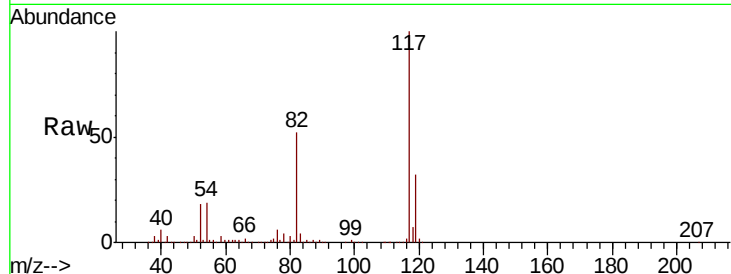




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010906.D
Acq: 16 Jul 2019 14:08

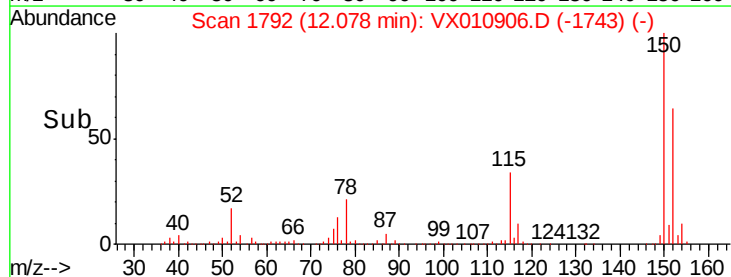
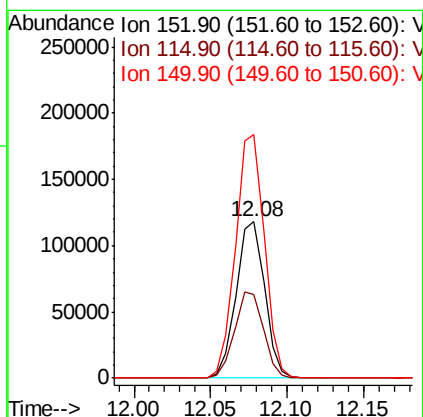
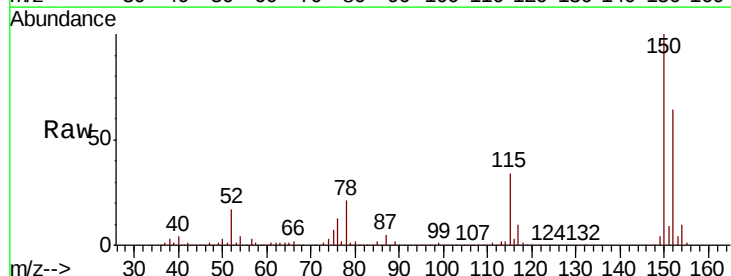
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBL01

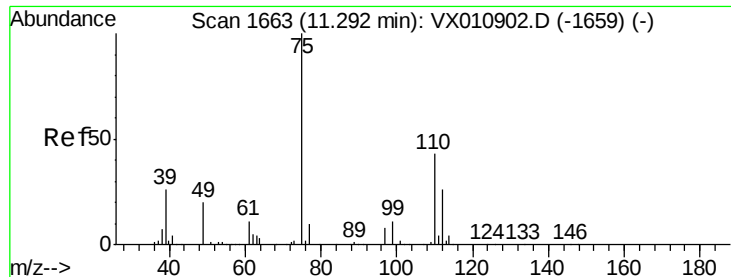
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.6	63.8
119	31.9	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010906.D
Acq: 16 Jul 2019 14:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	39.7	119.1
150	157.8	0.0	345.6





#76

1,2,3-Trichloropropane

Concen: 27.752 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010906.D

Acq: 16 Jul 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

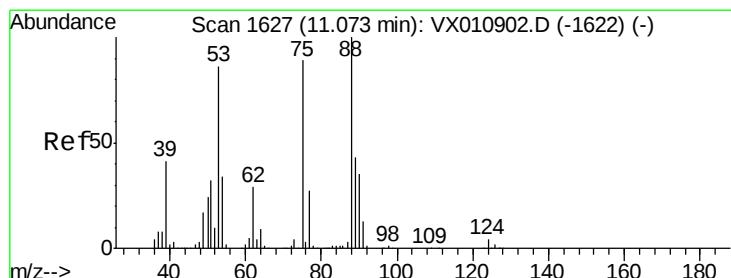
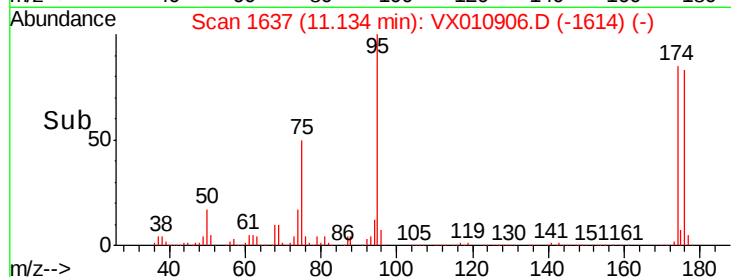
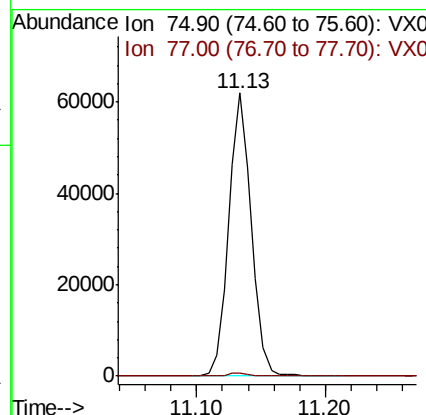
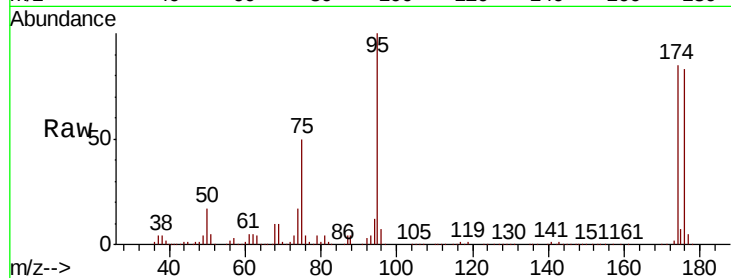
VX0716WBL01

Tot Ion: 75 Resp: 76432

Ion Ratio Lower Upper

75 100

77 1.1 21.3 64.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.695 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010906.D

Acq: 16 Jul 2019 14:08

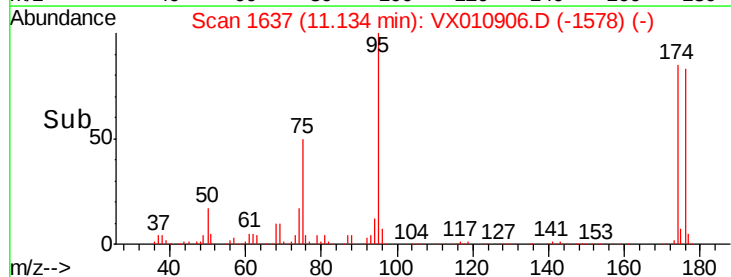
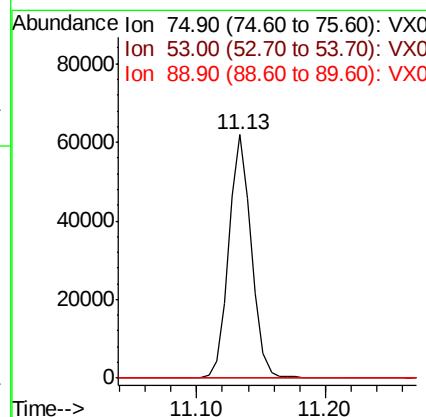
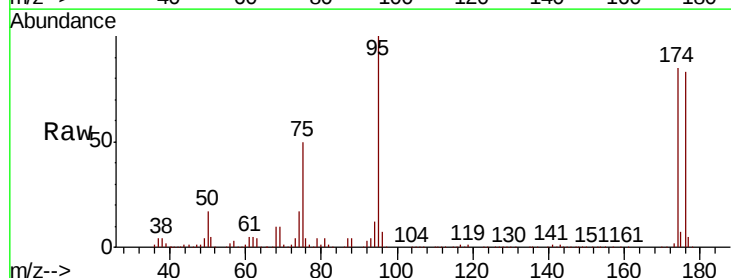
Tgt Ion: 75 Resp: 76432

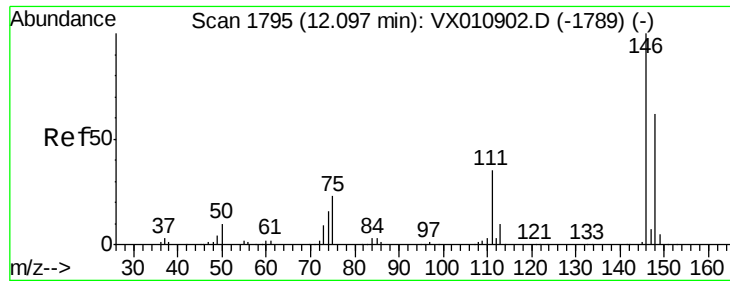
Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.1 38.5 57.7#

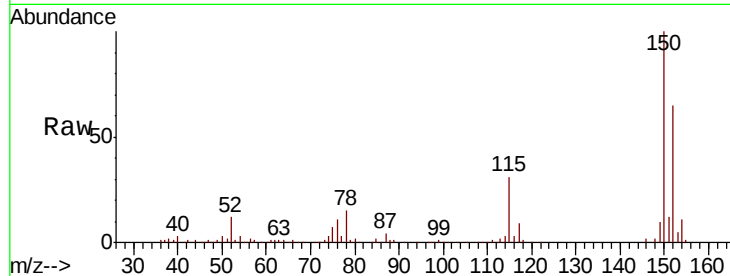




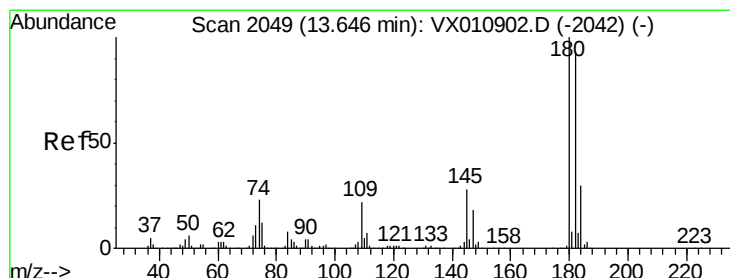
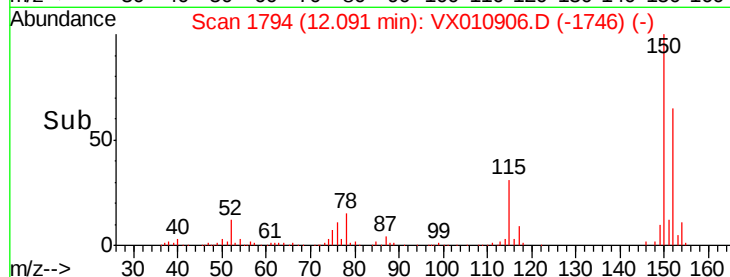
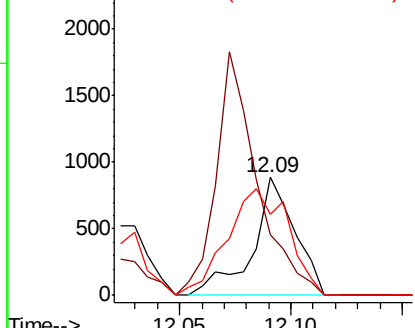
#88
 1,4-Dichlorobenzene
 Concen: 0.232 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX010906.D
 Acq: 16 Jul 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBL01

Tot Ion:146 Resp: 1175
 Ion Ratio Lower Upper
 146 100
 111 197.8 18.6 55.8#
 148 130.0 31.6 94.7#

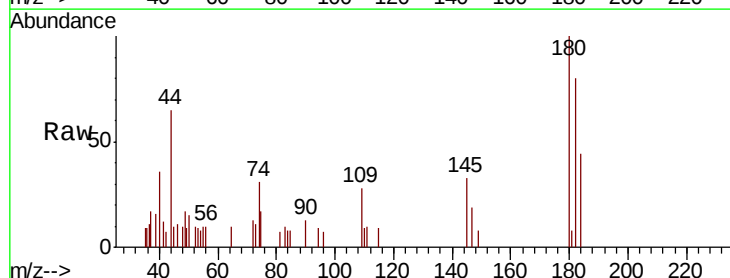


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

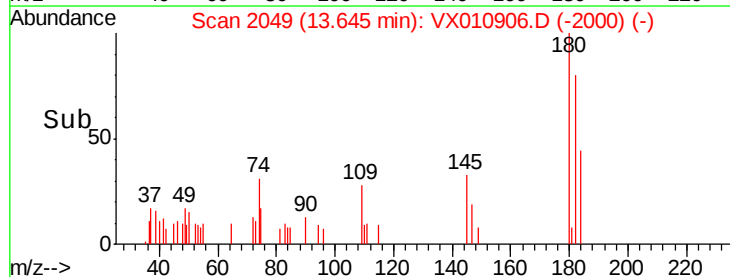
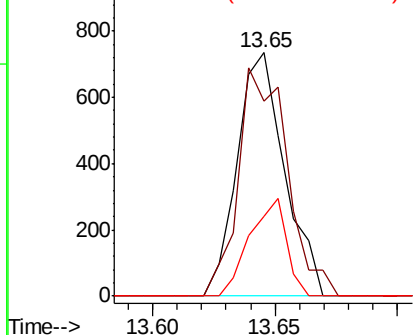


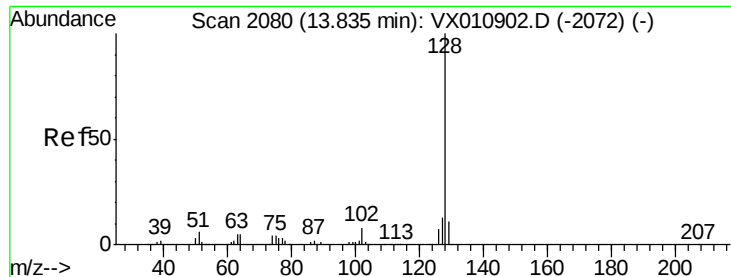
#93
 1,2,4-Trichlorobenzene
 Concen: 0.299 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010906.D
 Acq: 16 Jul 2019 14:08

Tgt Ion:180 Resp: 990
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.1 141.3
 145 31.0 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

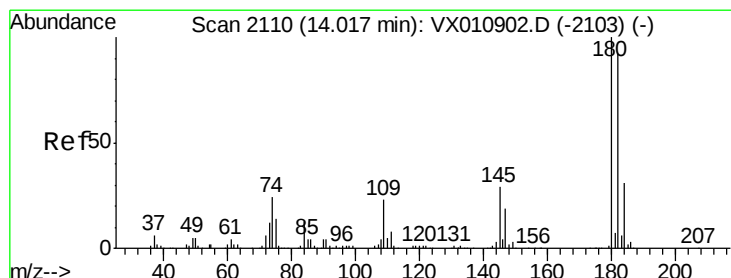
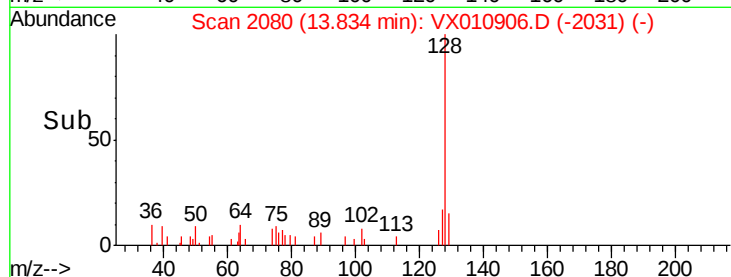
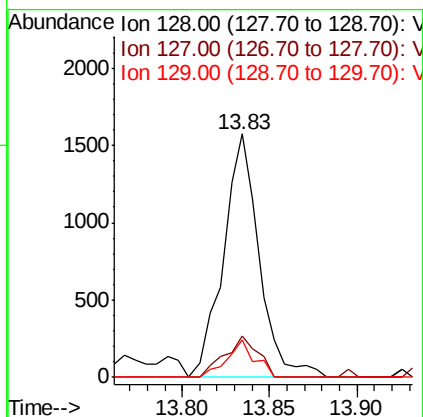
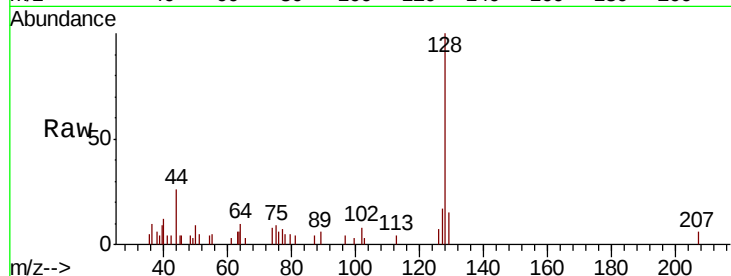




#95
Naphthalene
Concen: 0.229 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010906.D
Acq: 16 Jul 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBL01

Tot Ion:128 Resp: 2239
Ion Ratio Lower Upper
128 100
127 15.7 10.4 15.6#
129 11.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 0.247 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010906.D
Acq: 16 Jul 2019 14:08

Tgt Ion:180 Resp: 816
Ion Ratio Lower Upper
180 100
182 99.5 47.4 142.3
145 39.1 15.1 45.3

