

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072619\
 Data File : VX011089.D
 Acq On : 26 Jul 2019 14:39
 Operator : JC/SP
 Sample : K4014-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Jul 27 02:02:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	202425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	319855	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	299499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144154	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	110506	51.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.62%		
35) Dibromofluoromethane	5.50	113	100585	49.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.08%		
50) Toluene-d8	8.71	98	387519	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.78%		
62) 4-Bromofluorobenzene	11.13	95	137191	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.04%		

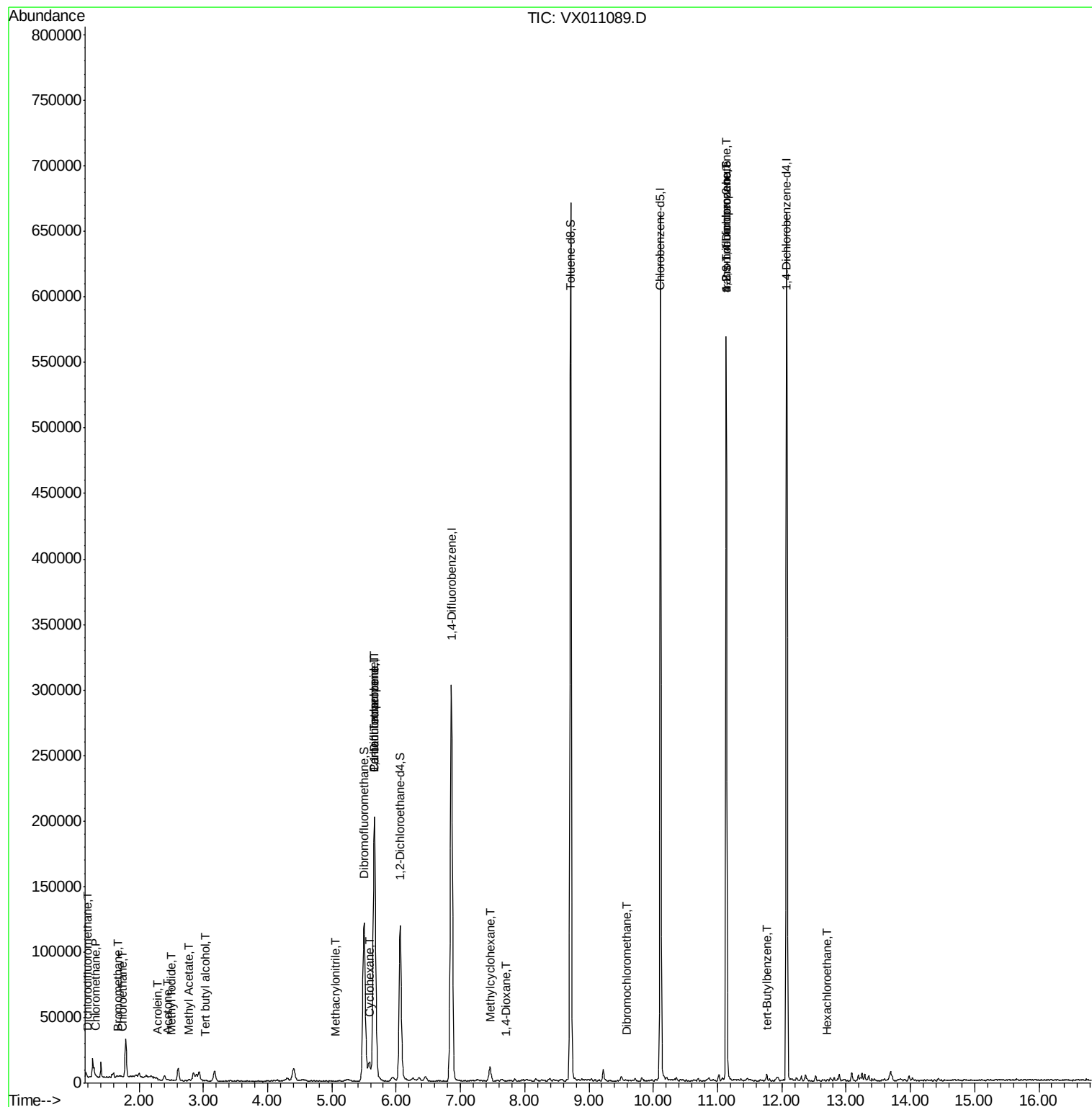
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	26	0.558	ug/l #	43
3) Chloromethane	1.32	50	495	0.266	ug/l #	78
5) Bromomethane	1.67	94	654	0.611	ug/l	85
6) Chloroethane	1.74	64	1537	1.274	ug/l #	54
10) Methyl Iodide	2.51	142	609	0.253	ug/l #	94
11) Tert butyl alcohol	3.03	59	313	0.624	ug/l #	73
13) Acrolein	2.29	56	79	0.273	ug/l #	1
16) Acetone	2.44	43	1391	1.430	ug/l	91
18) Methyl Acetate	2.77	43	497	0.224	ug/l #	71
31) Cyclohexane	5.59	56	9607	3.286	ug/l	90
36) 1,1-Dichloropropene	5.66	75	13597	5.175	ug/l #	49
38) Carbon Tetrachloride	5.66	117	18671	6.820	ug/l #	17
39) Methylcyclohexane	7.46	83	4879	1.432	ug/l	95
41) Methacrylonitrile	5.05	41	320	0.210	ug/l #	42
49) 1,4-Dioxane	7.72	88	20	0.332	ug/l #	1
60) Dibromochloromethane	9.60	129	20	2.535	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	69027	26.535	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	69027	65.857	ug/l #	11
83) tert-Butylbenzene	11.76	119	1774	0.222	ug/l	92
90) Hexachloroethane	12.69	117	308	0.225	ug/l #	6

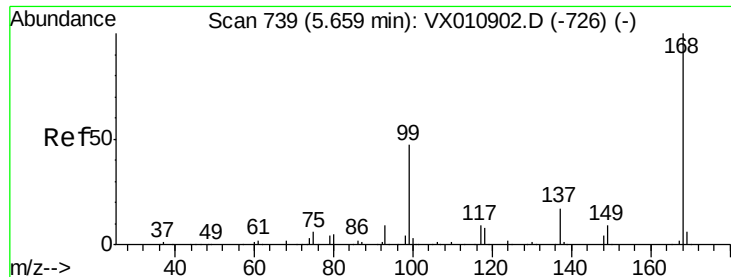
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072619\
Data File : VX011089.D
Acq On : 26 Jul 2019 14:39
Operator : JC/SP
Sample : K4014-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Quant Time: Jul 27 02:02:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011089.D

Acq: 26 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampled :

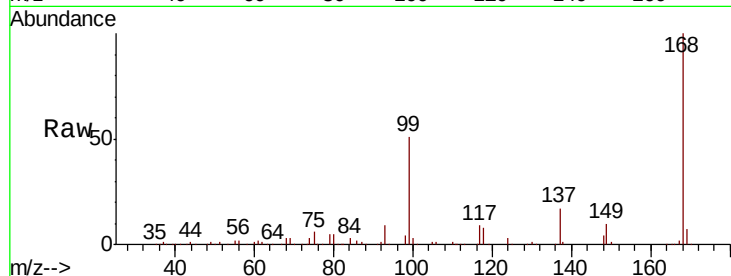
MW-4

Tot Ion:168 Resp: 202425

Ion Ratio Lower Upper

168 100

99 50.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

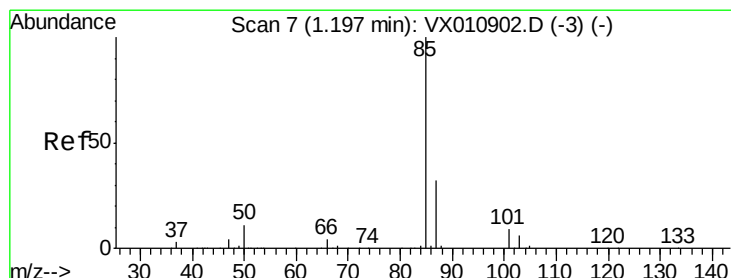
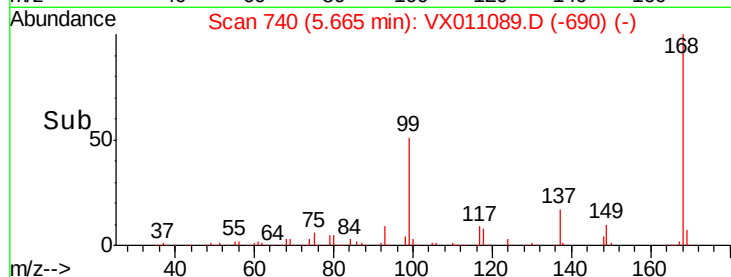
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.558 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011089.D

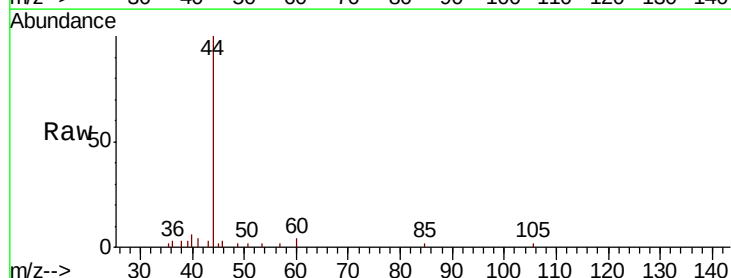
Acq: 26 Jul 2019 14:39

Tgt Ion: 85 Resp: 26

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80

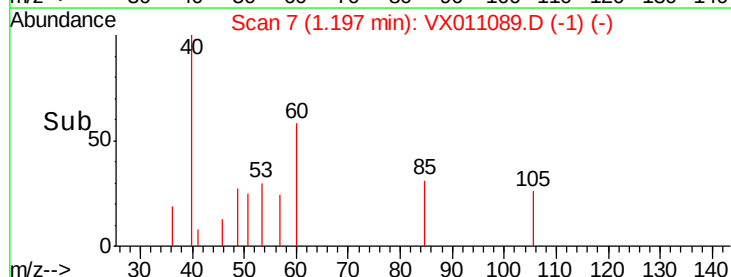
60

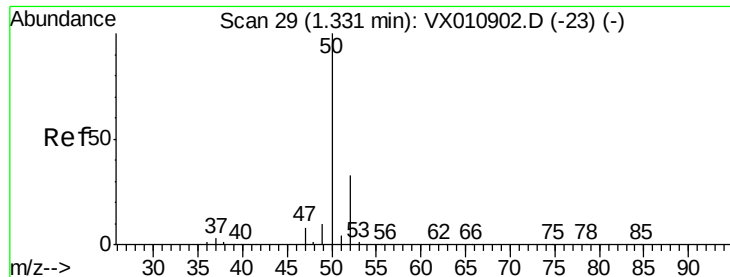
40

20

0

Time--> 1.18 1.19 1.20 1.21





#3

Chloromethane

Concen: 0.266 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011089.D

Acq: 26 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampled :

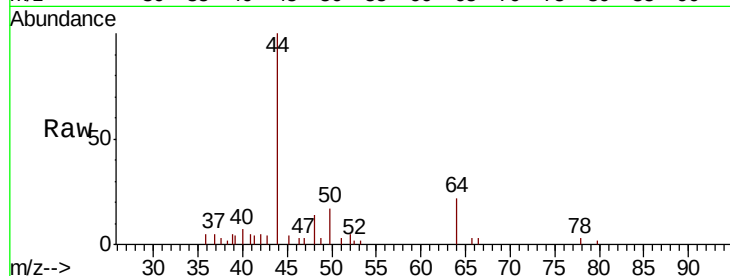
MW-4

Tot Ion: 50 Resp: 495

Ion Ratio Lower Upper

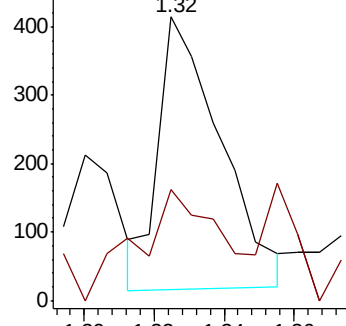
50 100

52 20.6 26.4 39.6#

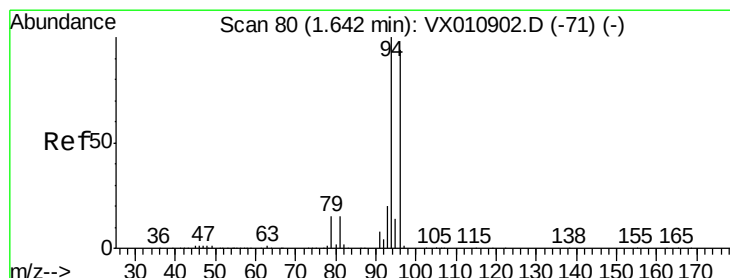
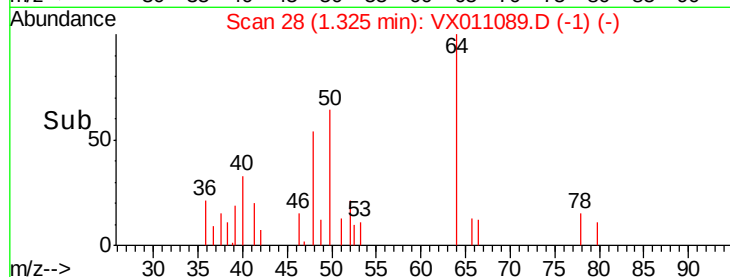


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: 0.611 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.02 min

Lab File: VX011089.D

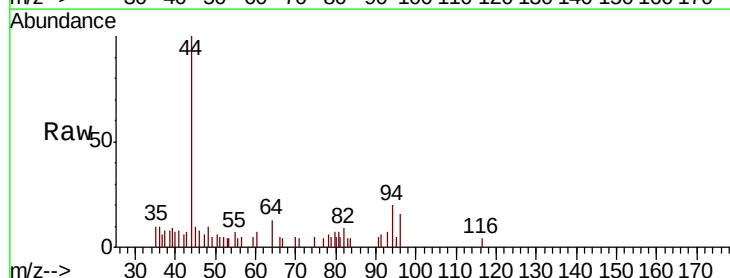
Acq: 26 Jul 2019 14:39

Tgt Ion: 94 Resp: 654

Ion Ratio Lower Upper

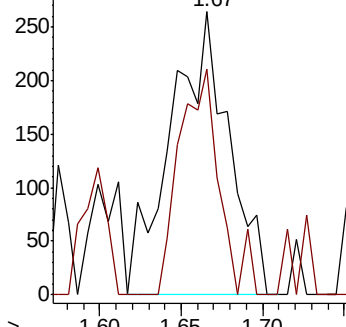
94 100

96 79.9 75.6 113.4

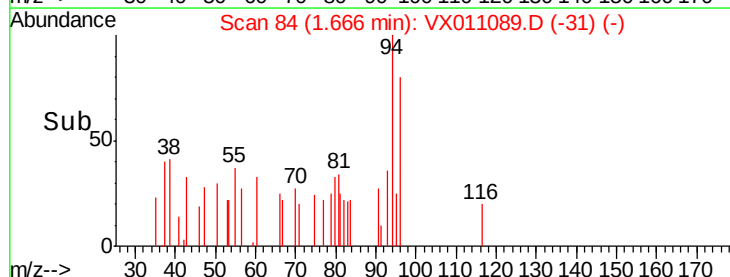


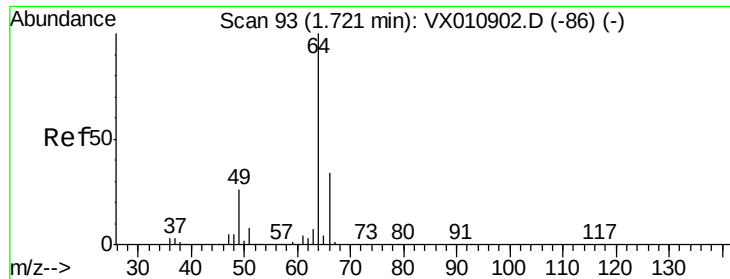
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->





#6

Chloroethane

Concen: 1.274 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX011089.D

Acq: 26 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampled :

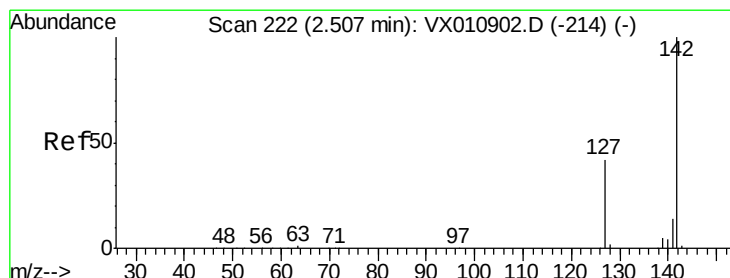
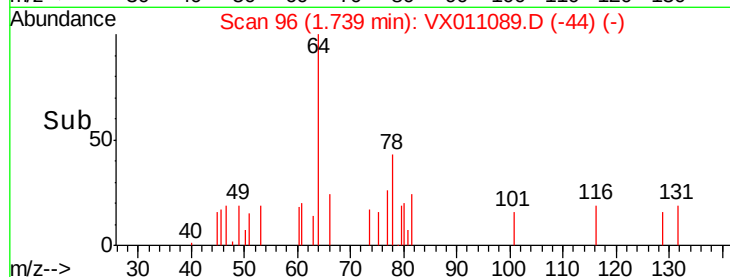
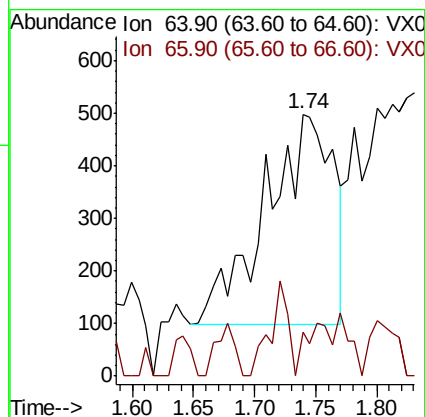
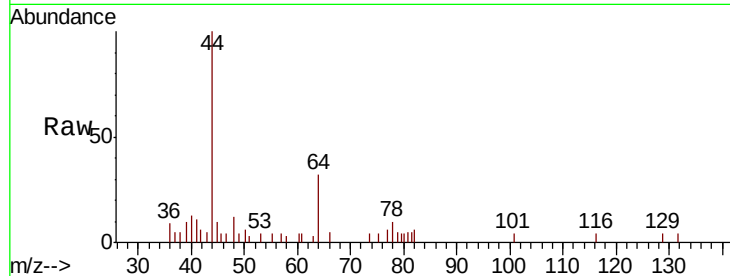
MW-4

Tot Ion: 64 Resp: 1537

Ion Ratio Lower Upper

64 100

66 7.8 27.0 40.6#



#10

Methyl Iodide

Concen: 0.253 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011089.D

Acq: 26 Jul 2019 14:39

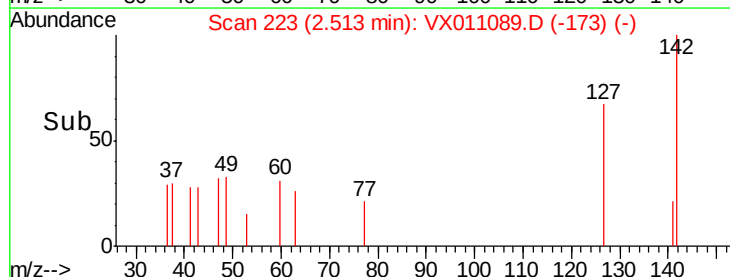
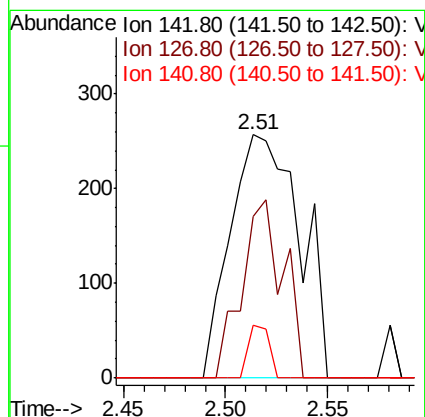
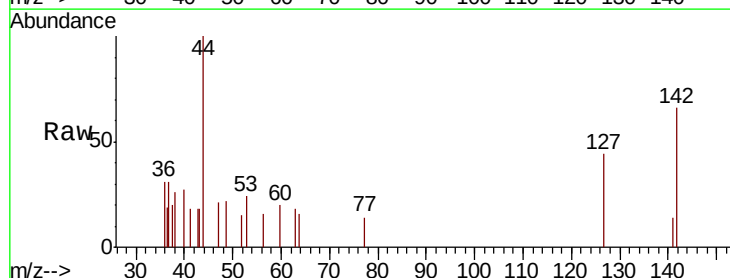
Tgt Ion: 142 Resp: 609

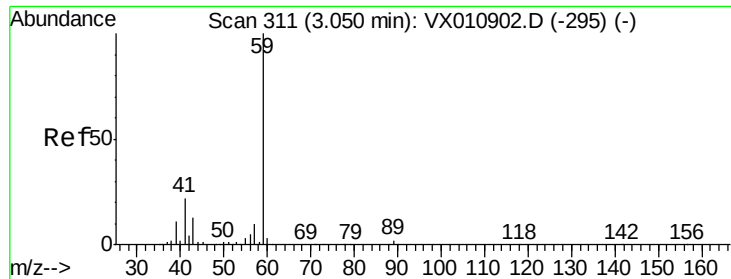
Ion Ratio Lower Upper

142 100

127 43.5 34.2 51.4

141 6.4 11.7 17.5#



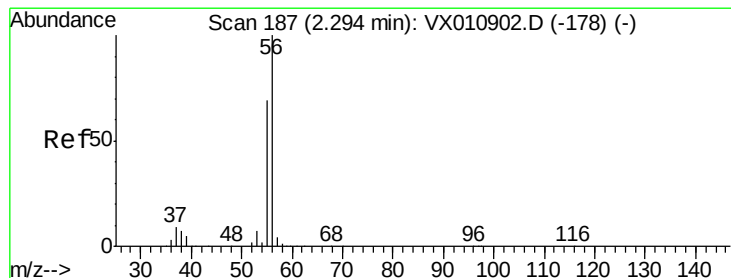
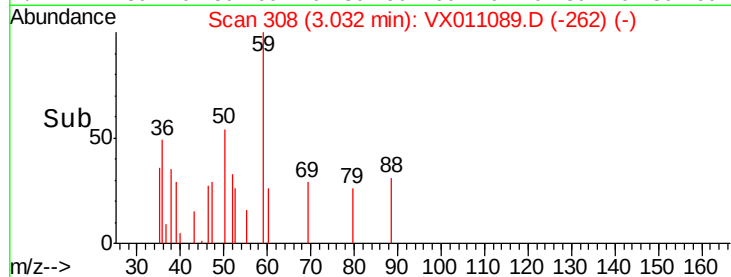
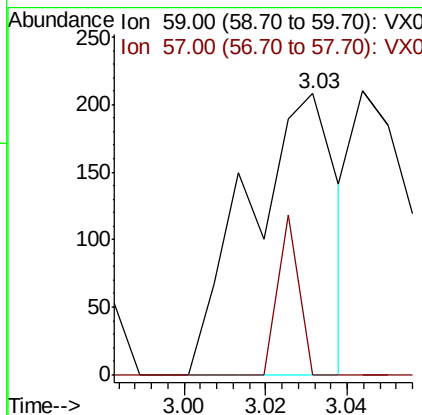
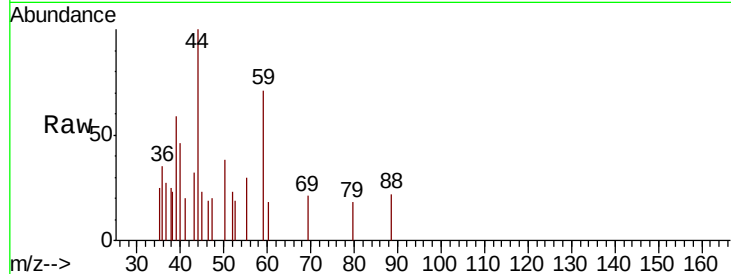


#11

Tert butyl alcohol
 Concen: 0.624 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.02 min
 Lab File: VX011089.D
 Acq: 26 Jul 2019 14:39

Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

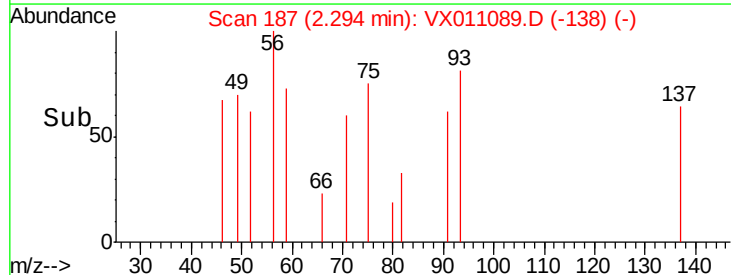
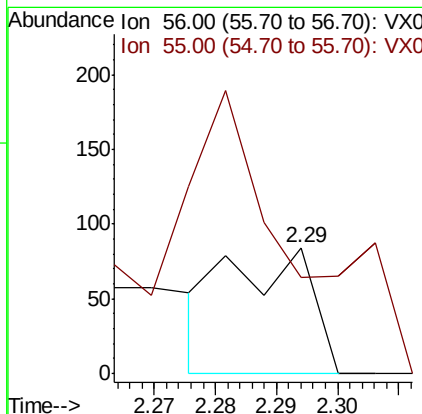
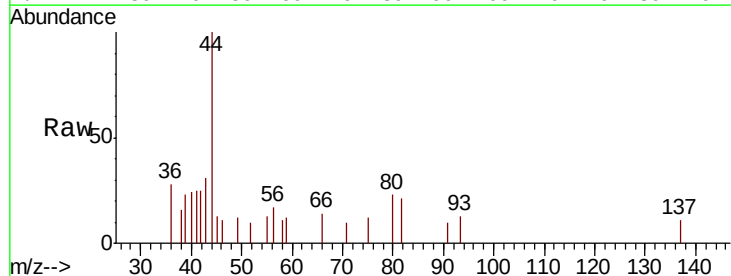
Tot Ion: 59 Resp: 313
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

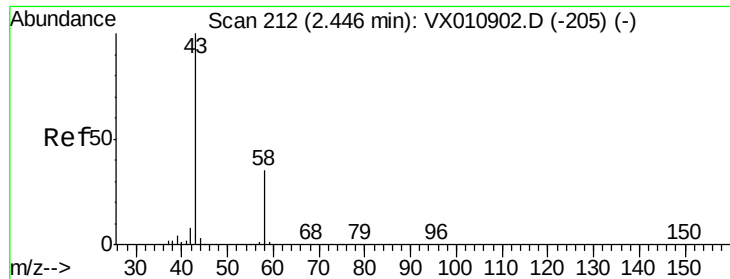


#13

Acrolein
 Concen: 0.273 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX011089.D
 Acq: 26 Jul 2019 14:39

Tgt Ion: 56 Resp: 79
 Ion Ratio Lower Upper
 56 100
 55 292.4 55.9 83.9#





#16

Acetone

Concen: 1.430 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011089.D

Acq: 26 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampled :

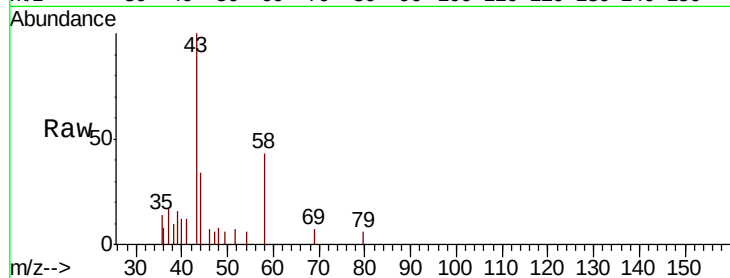
MW-4

Tot Ion: 43 Resp: 1391

Ion Ratio Lower Upper

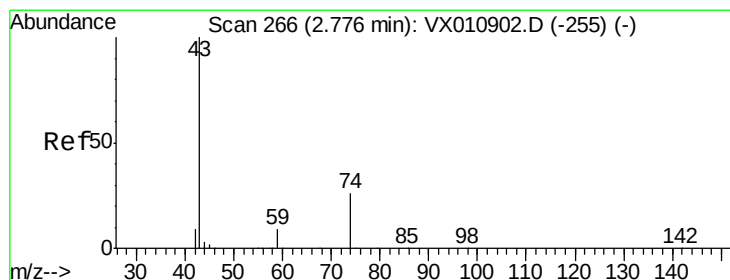
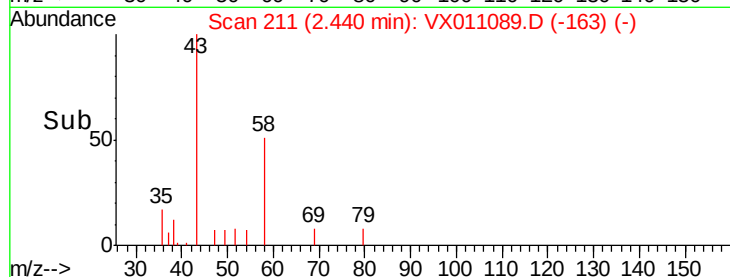
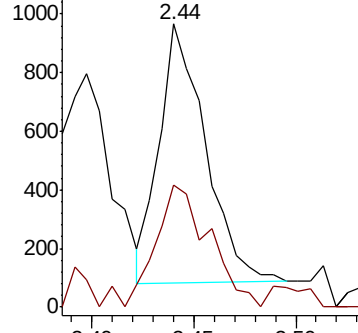
43 100

58 39.8 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.224 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX011089.D

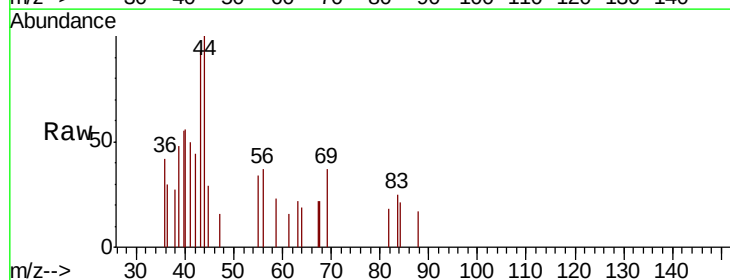
Acq: 26 Jul 2019 14:39

Tgt Ion: 43 Resp: 497

Ion Ratio Lower Upper

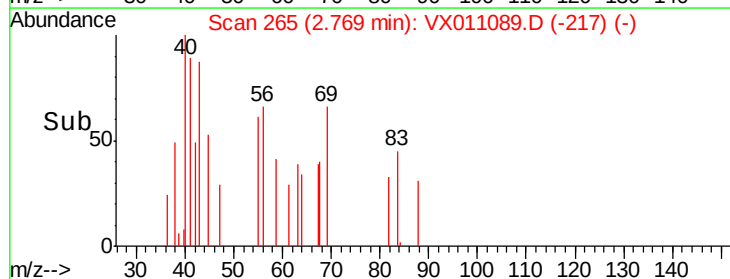
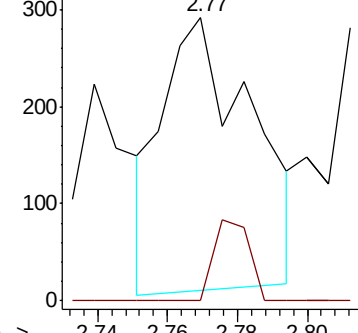
43 100

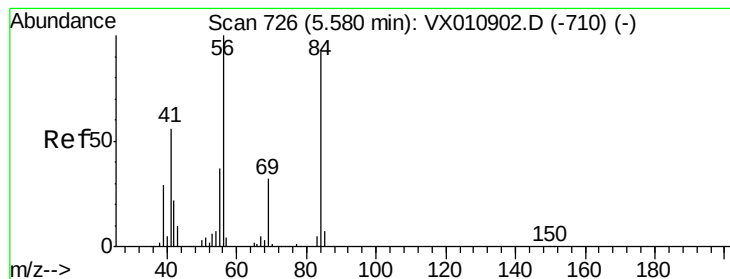
74 11.7 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#31

Cyclohexane

Concen: 3.286 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX011089.D

Acq: 26 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampled :

MW-4

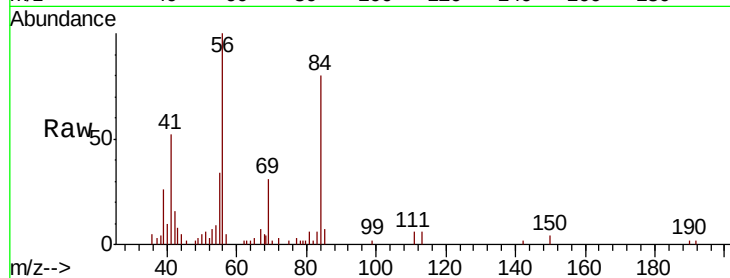
Tot Ion: 56 Resp: 9607

Ion Ratio Lower Upper

56 100

69 31.4 25.8 38.8

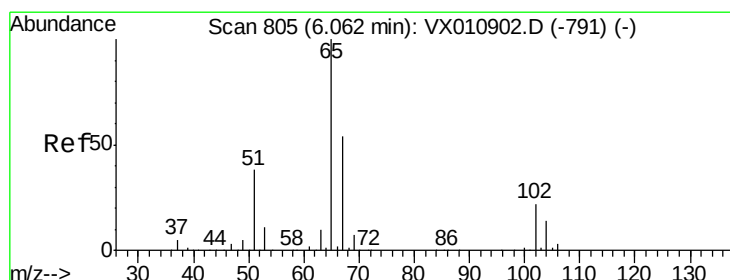
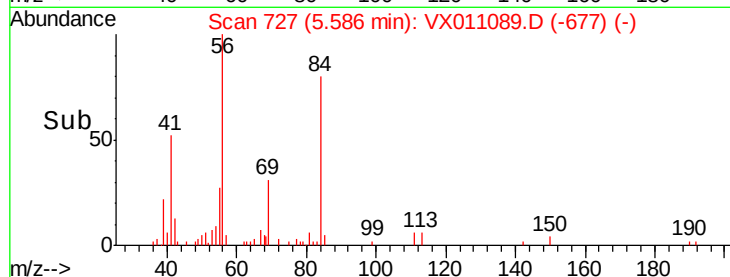
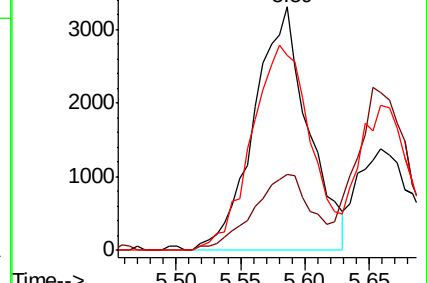
84 79.9 73.8 110.6



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: 51.315 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX011089.D

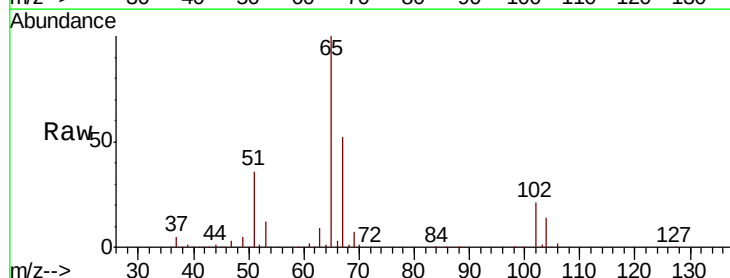
Acq: 26 Jul 2019 14:39

Tgt Ion: 65 Resp: 110506

Ion Ratio Lower Upper

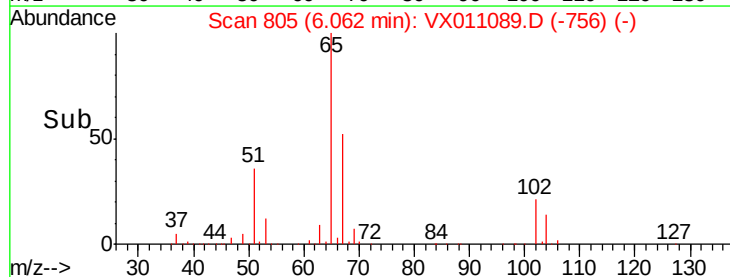
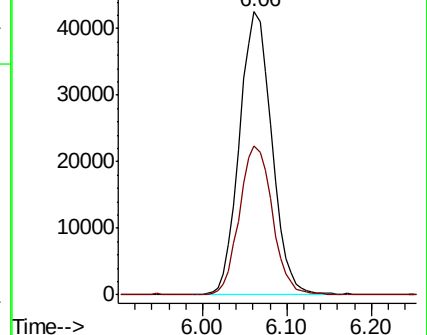
65 100

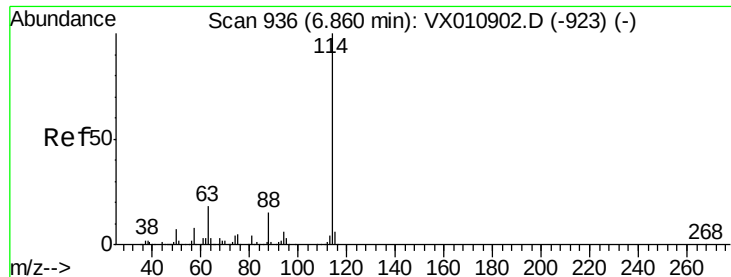
67 53.5 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

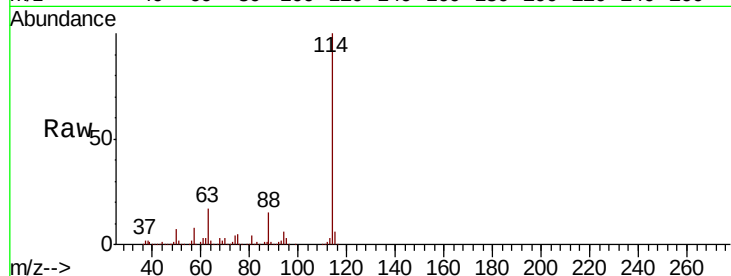




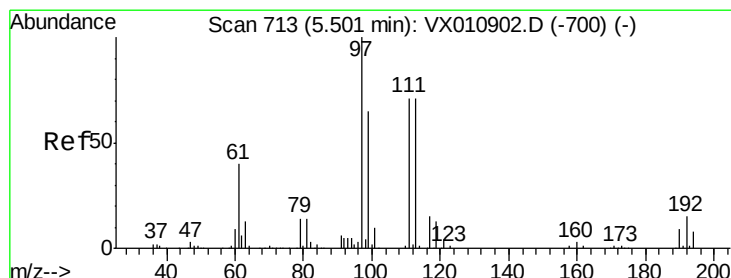
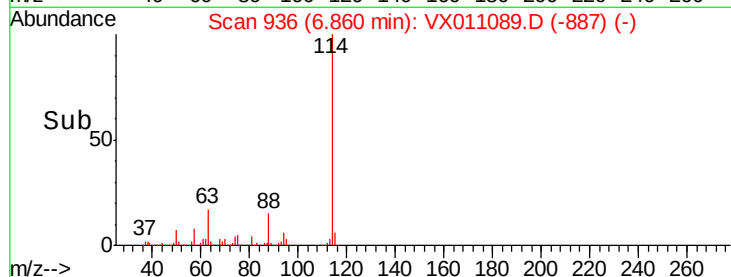
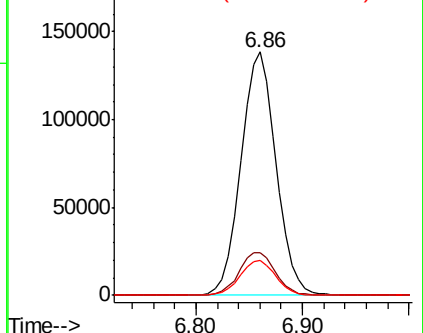
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX011089.D
Acq: 26 Jul 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.6
88	14.5	0.0	29.8

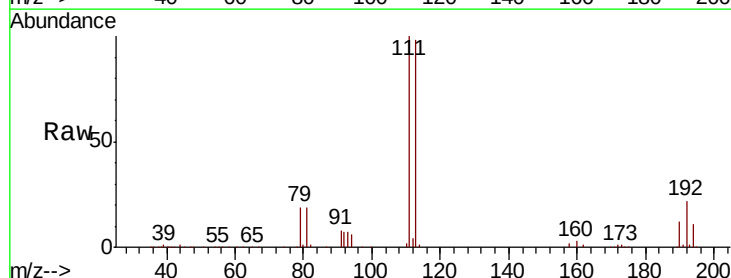


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

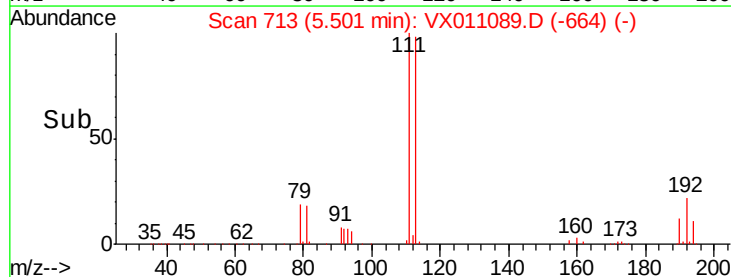
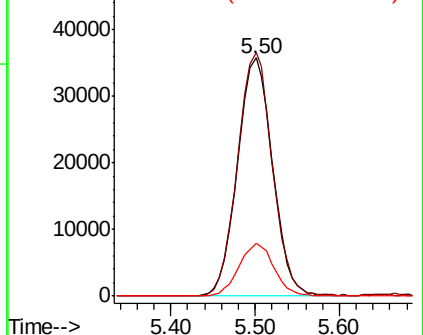


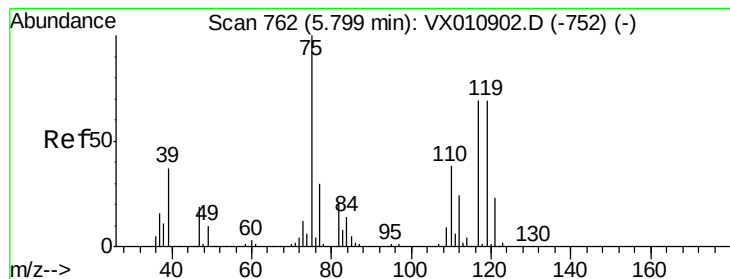
#35
Dibromofluoromethane
Concen: 49.545 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX011089.D
Acq: 26 Jul 2019 14:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.3	123.5
192	22.2	17.4	26.2



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: 5.175 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011089.D

Acq: 26 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampled :

MW-4

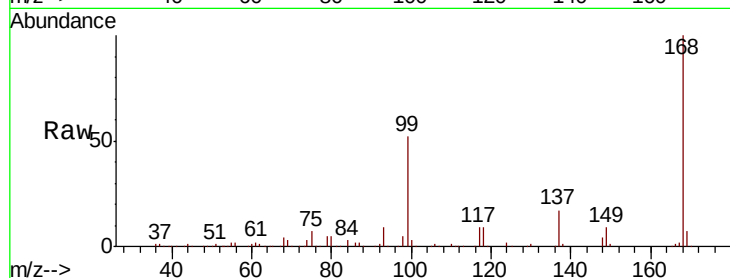
Tot Ion: 75 Resp: 13597

Ion Ratio Lower Upper

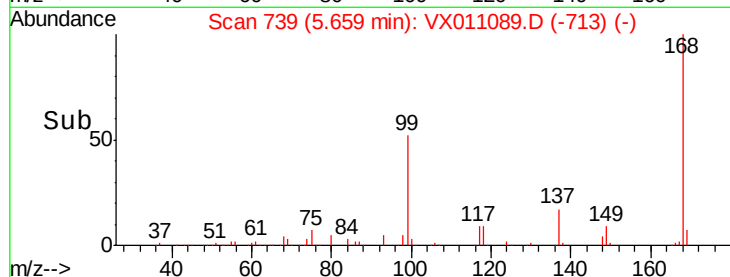
75 100

110 11.0 19.9 59.7#

77 0.3 25.0 37.4#



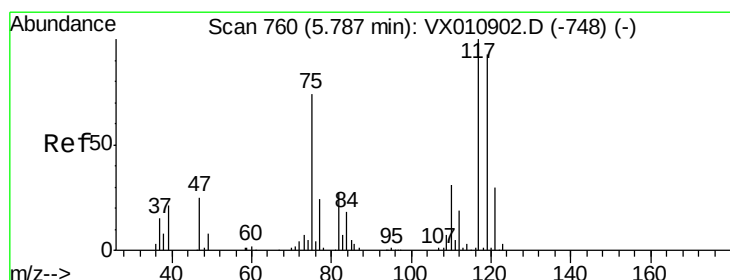
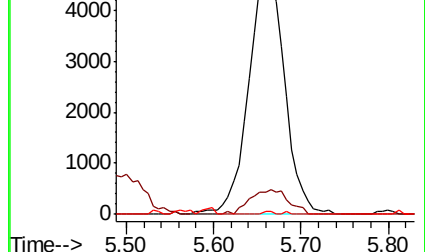
Abundance Ion 74.90 (74.60 to 75.60): VX011089.D (-713) (-)



Ion 109.90 (109.60 to 110.60): VX011089.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX011089.D (-713) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.820 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011089.D

Acq: 26 Jul 2019 14:39

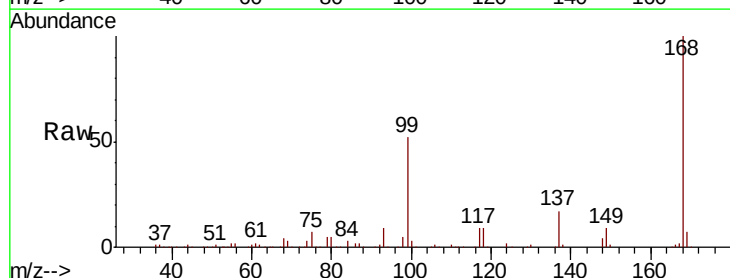
Tgt Ion: 117 Resp: 18671

Ion Ratio Lower Upper

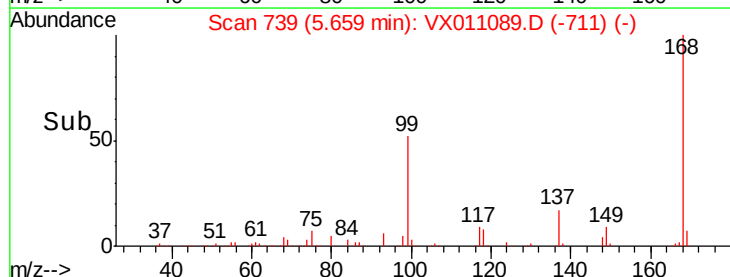
117 100

119 4.5 74.2 111.2#

121 0.0 24.2 36.2#



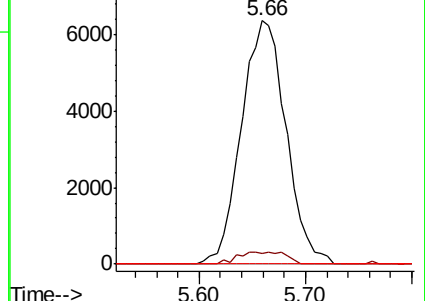
Abundance Ion 116.80 (116.50 to 117.50): VX011089.D (-711) (-)

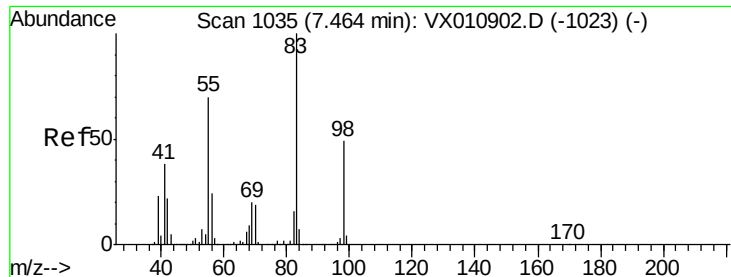


Ion 118.80 (118.50 to 119.50): VX011089.D (-711) (-)

Ion 120.80 (120.50 to 121.50): VX011089.D (-711) (-)

Time-->

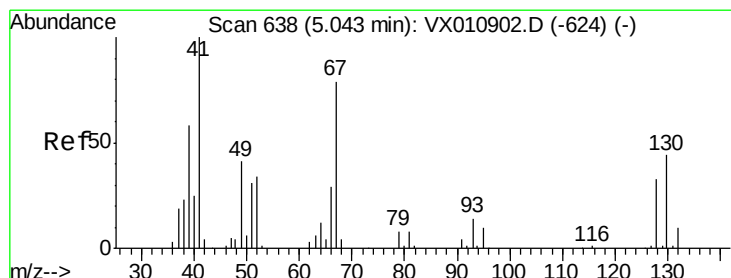
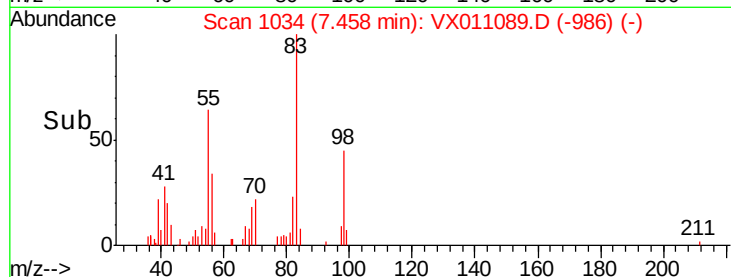
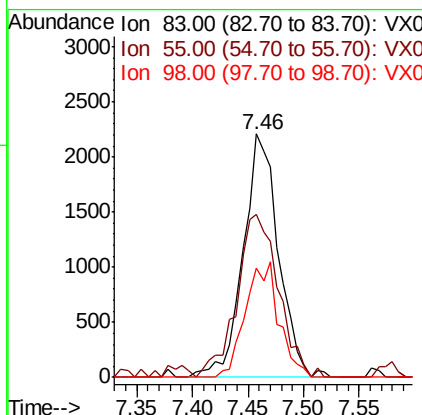
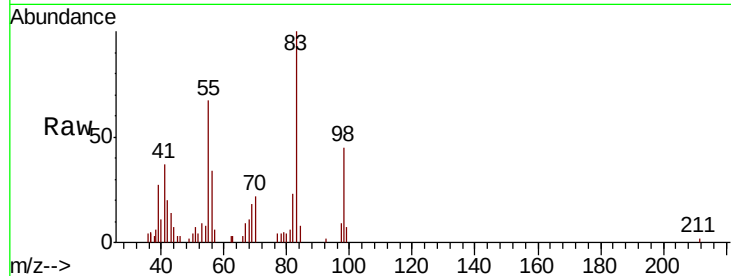




#39
Methylvlcyclohexane
Concen: 1.432 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX011089.D
Acq: 26 Jul 2019 14:39

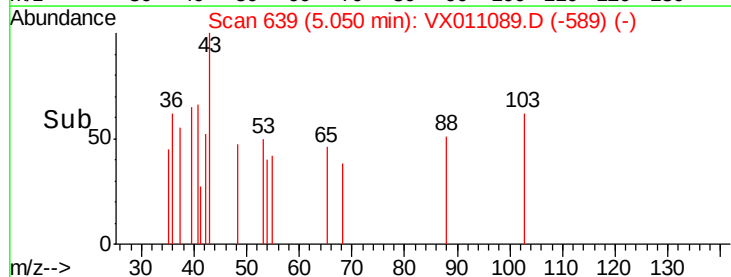
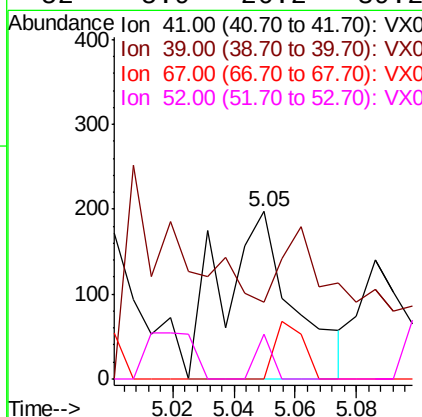
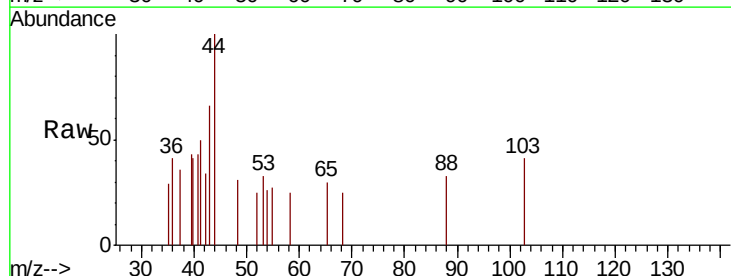
Instrument :
MSVOA_X
ClientSampleId :
MW-4

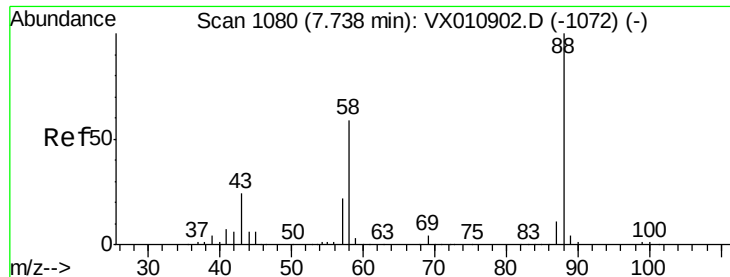
Tot Ion: 83 Resp: 4879
Ion Ratio Lower Upper
83 100
55 66.9 56.2 84.4
98 44.7 39.0 58.4



#41
Methacrylonitrile
Concen: 0.210 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX011089.D
Acq: 26 Jul 2019 14:39

Tgt Ion: 41 Resp: 320
Ion Ratio Lower Upper
41 100
39 30.3 45.4 68.2#
67 13.8 65.9 98.9#
52 5.9 26.2 39.2#

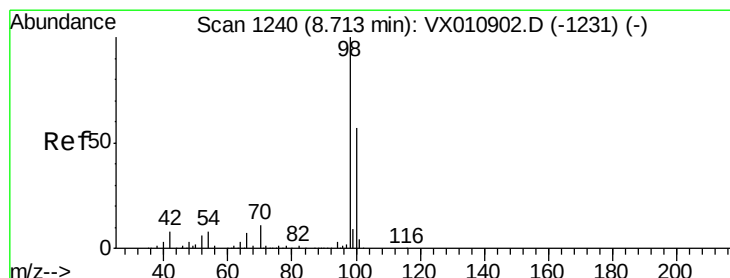
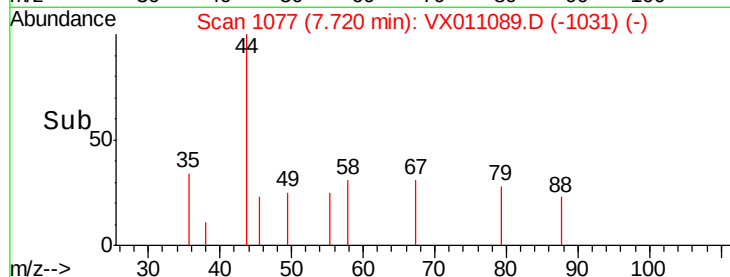
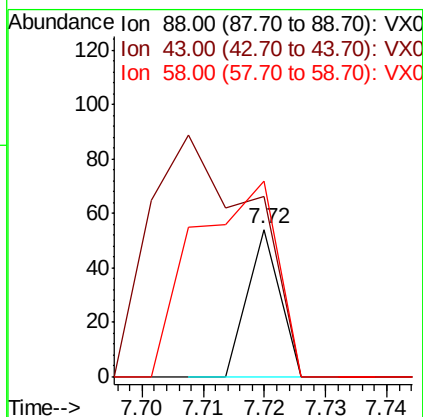
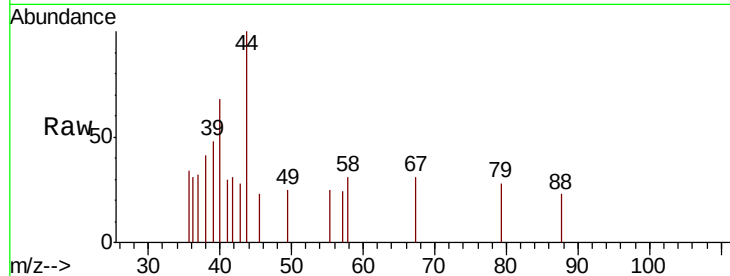




#49
1,4-Dioxane
Concen: 0.332 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.02 min
Lab File: VX011089.D
Acq: 26 Jul 2019 14:39

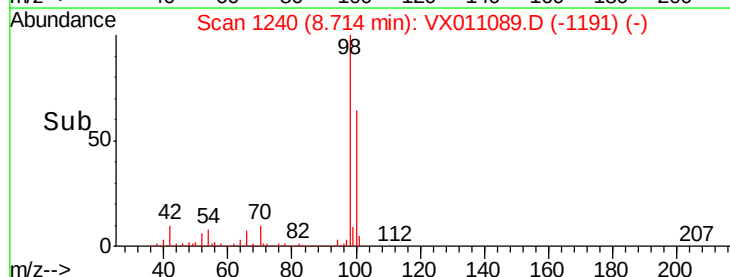
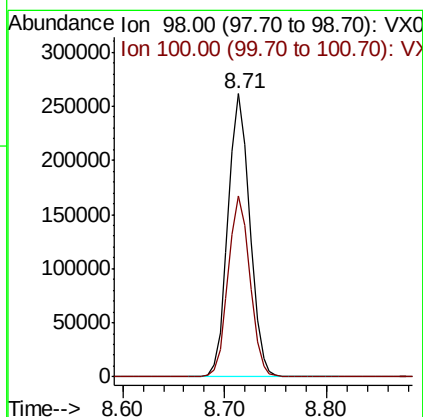
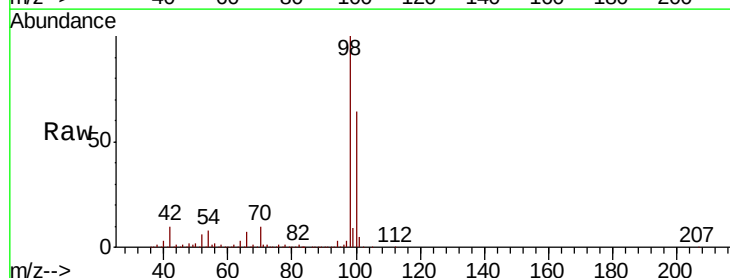
Instrument :
MSVOA_X
ClientSampled :
MW-4

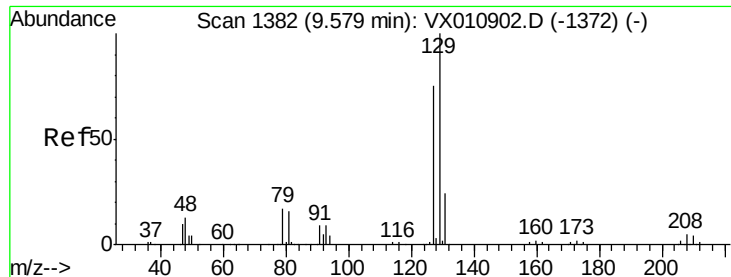
Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 515.0 22.9 34.3#
58 335.0 49.8 74.8#



#50
Toluene-d8
Concen: 50.892 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011089.D
Acq: 26 Jul 2019 14:39

Tgt Ion: 98 Resp: 387519
Ion Ratio Lower Upper
98 100
100 63.7 50.6 75.8





#60

Dibromochloromethane

Concen: 2.535 ug/l

RT: 9.60 min Scan# 1385

Delta R.T. 0.02 min

Lab File: VX011089.D

Acq: 26 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

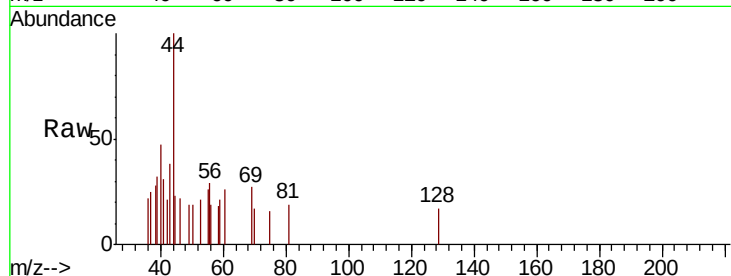
MW-4

Tot Ion:129 Resp: 20

Ion Ratio Lower Upper

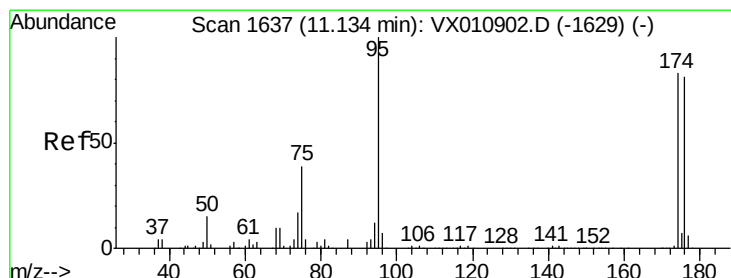
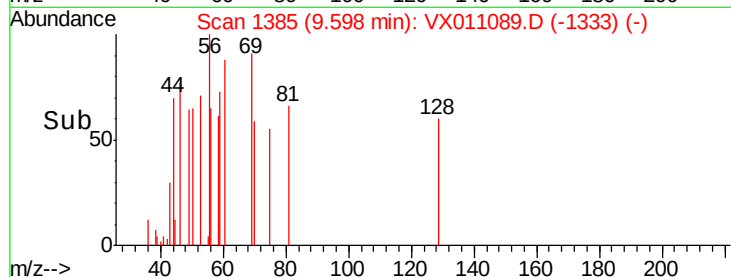
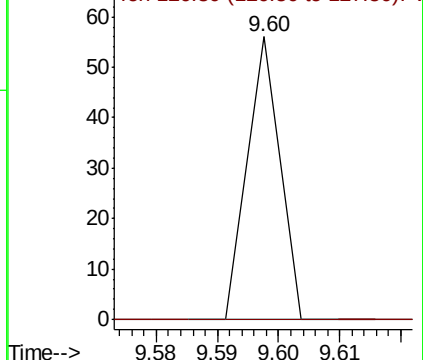
129 100

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



#62

4-Bromofluorobenzene

Concen: 49.017 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011089.D

Acq: 26 Jul 2019 14:39

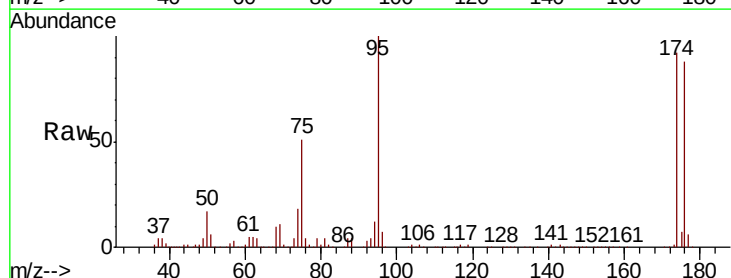
Tgt Ion: 95 Resp: 137191

Ion Ratio Lower Upper

95 100

174 93.5 0.0 180.6

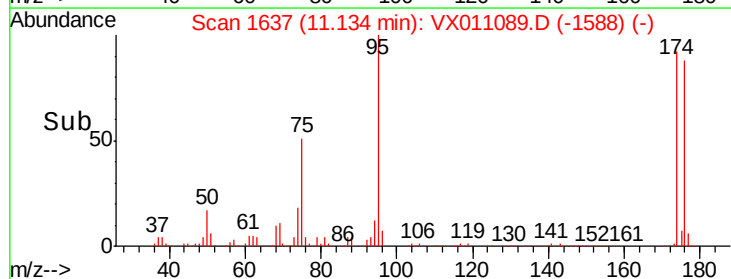
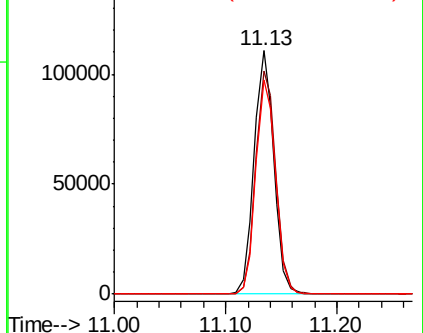
176 88.7 0.0 173.8

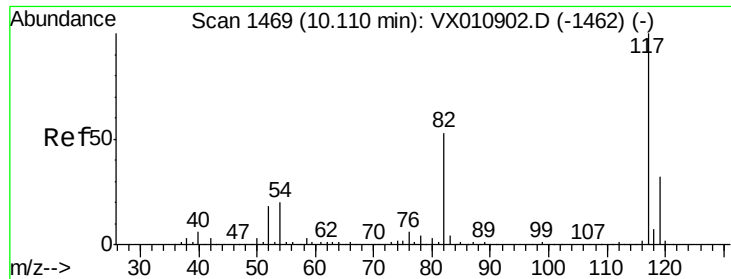


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

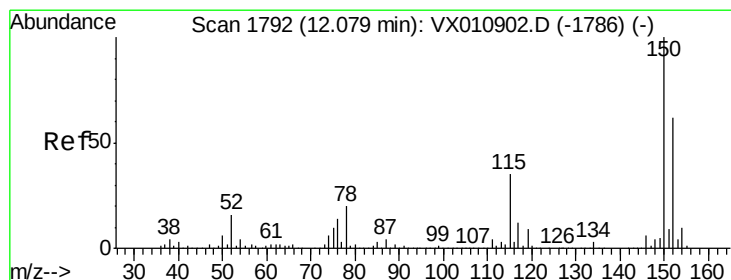
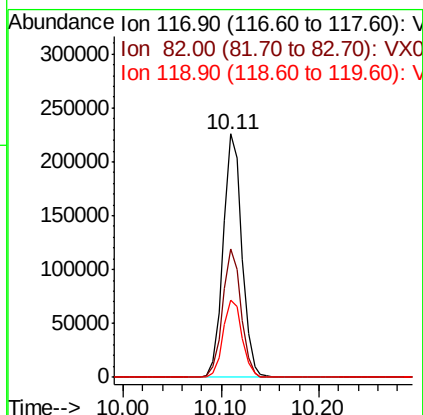
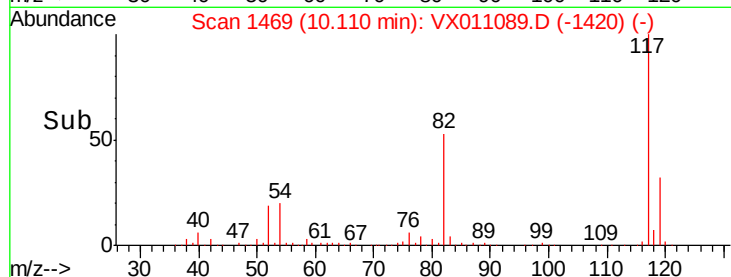
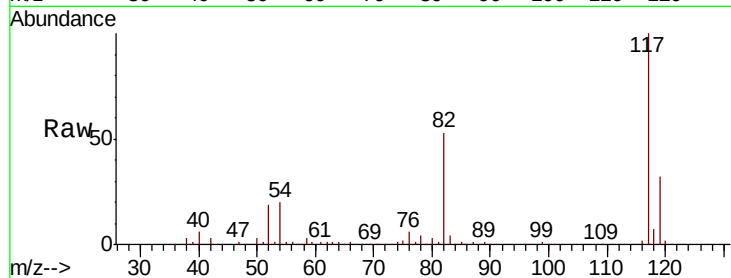




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011089.D
Acq: 26 Jul 2019 14:39

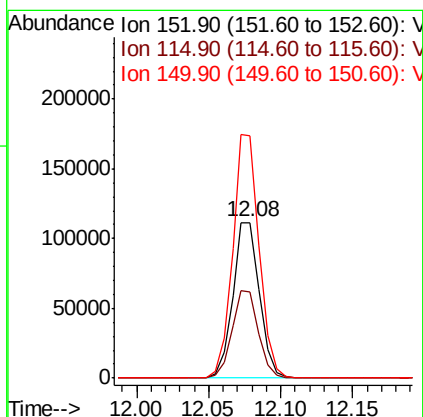
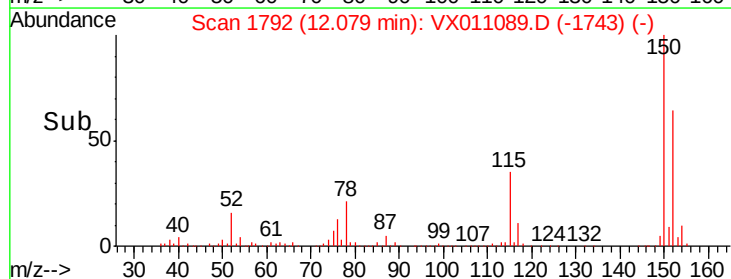
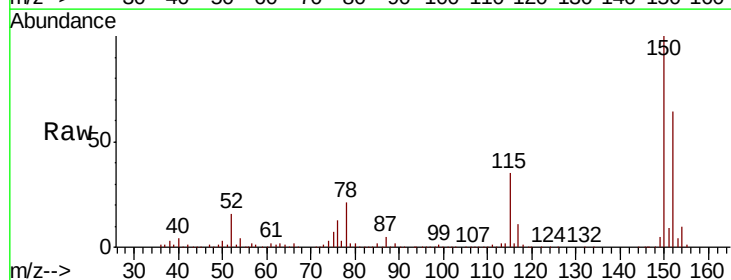
Instrument :
MSVOA_X
ClientSampleId :
MW-4

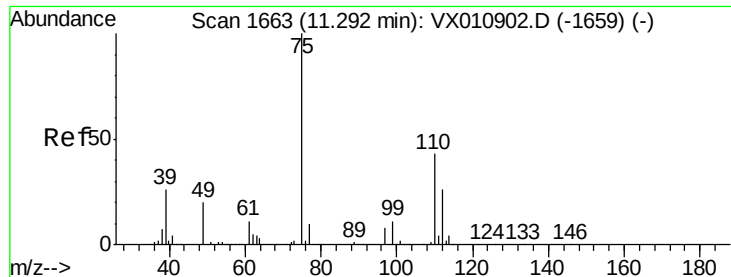
Tot Ion:117 Resp: 299499
Ion Ratio Lower Upper
117 100
82 52.8 42.6 63.8
119 31.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011089.D
Acq: 26 Jul 2019 14:39

Tgt Ion:152 Resp: 144154
Ion Ratio Lower Upper
152 100
115 55.9 39.7 119.1
150 154.9 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 26.535 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011089.D

Acq: 26 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampled :

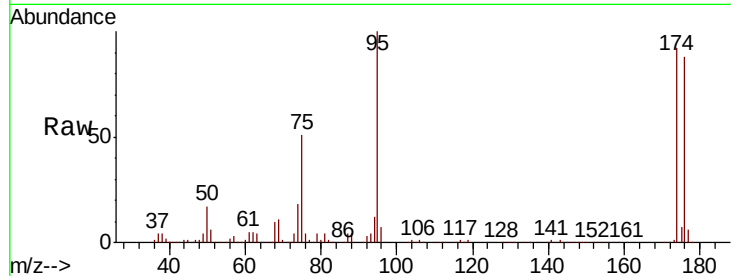
MW-4

Tot Ion: 75 Resp: 69027

Ion Ratio Lower Upper

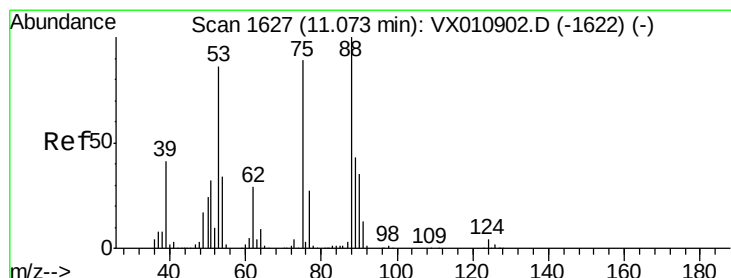
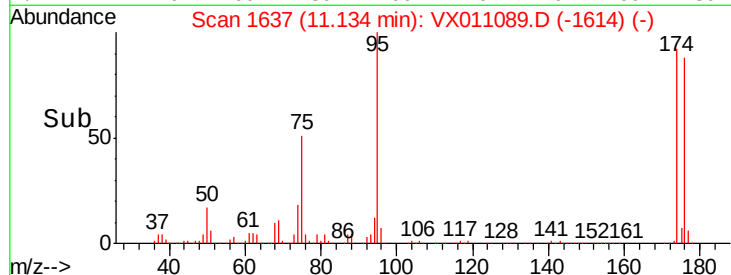
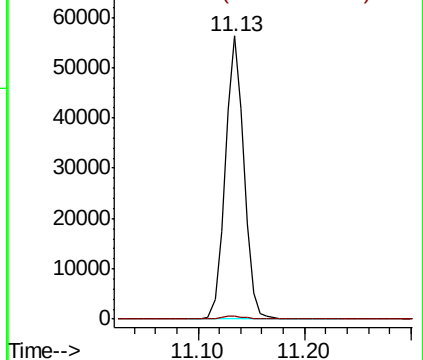
75 100

77 1.4 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 65.857 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011089.D

Acq: 26 Jul 2019 14:39

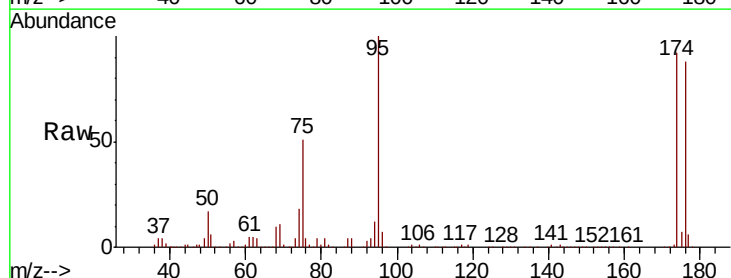
Tgt Ion: 75 Resp: 69027

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

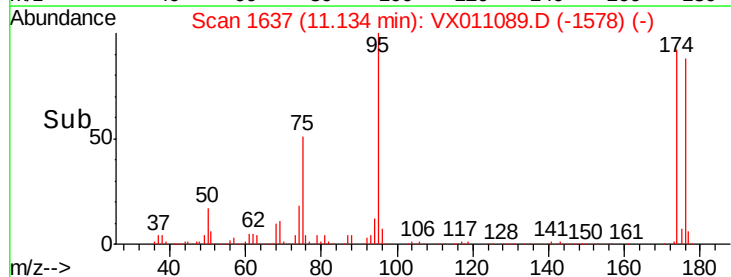
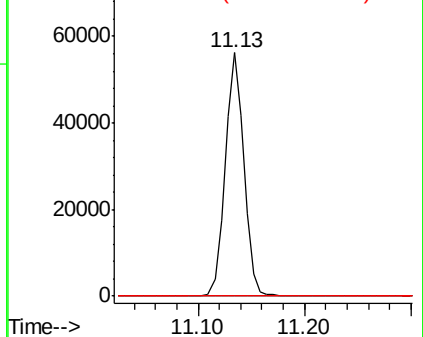
89 0.0 38.5 57.7#

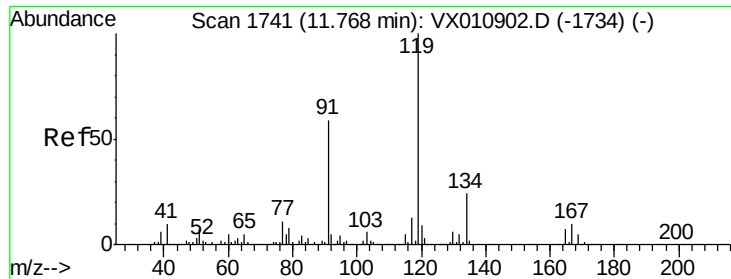


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

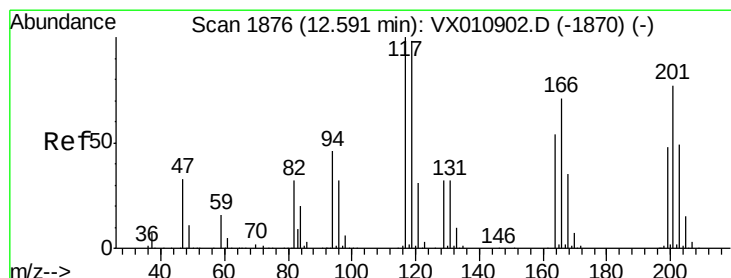
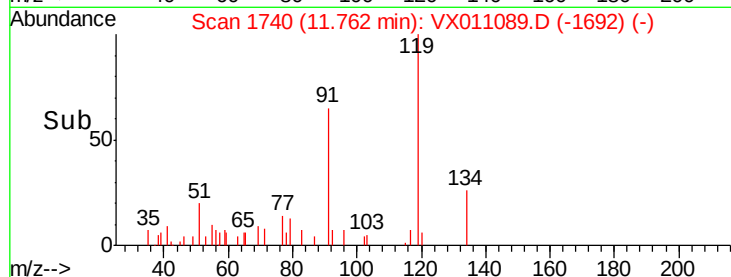
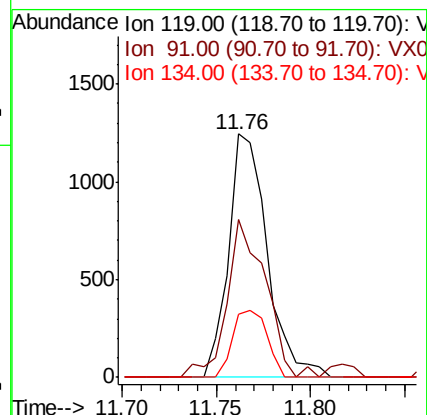
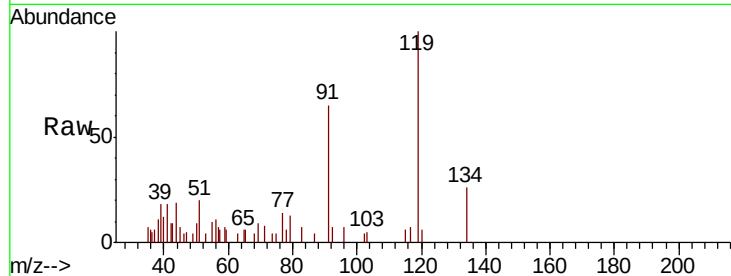




#83
tert-Butylbenzene
Concen: 0.222 ug/l
RT: 11.76 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VX011089.D
Acq: 26 Jul 2019 14:39

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tot Ion:119 Resp: 1774
Ion Ratio Lower Upper
119 100
91 64.6 28.6 85.8
134 24.4 11.6 34.8



#90
Hexachloroethane
Concen: 0.225 ug/l
RT: 12.69 min Scan# 1893
Delta R.T. 0.10 min
Lab File: VX011089.D
Acq: 26 Jul 2019 14:39

Tgt Ion:117 Resp: 308
Ion Ratio Lower Upper
117 100
201 0.0 43.3 129.8#

