

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072619\
 Data File : VX011091.D
 Acq On : 26 Jul 2019 15:25
 Operator : JC/SP
 Sample : K4014-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Quant Time: Jul 27 02:03:09 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	195839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	316103	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138508	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	108314	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
35) Dibromofluoromethane	5.50	113	97989	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	8.71	98	379638	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.13	95	133860	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	

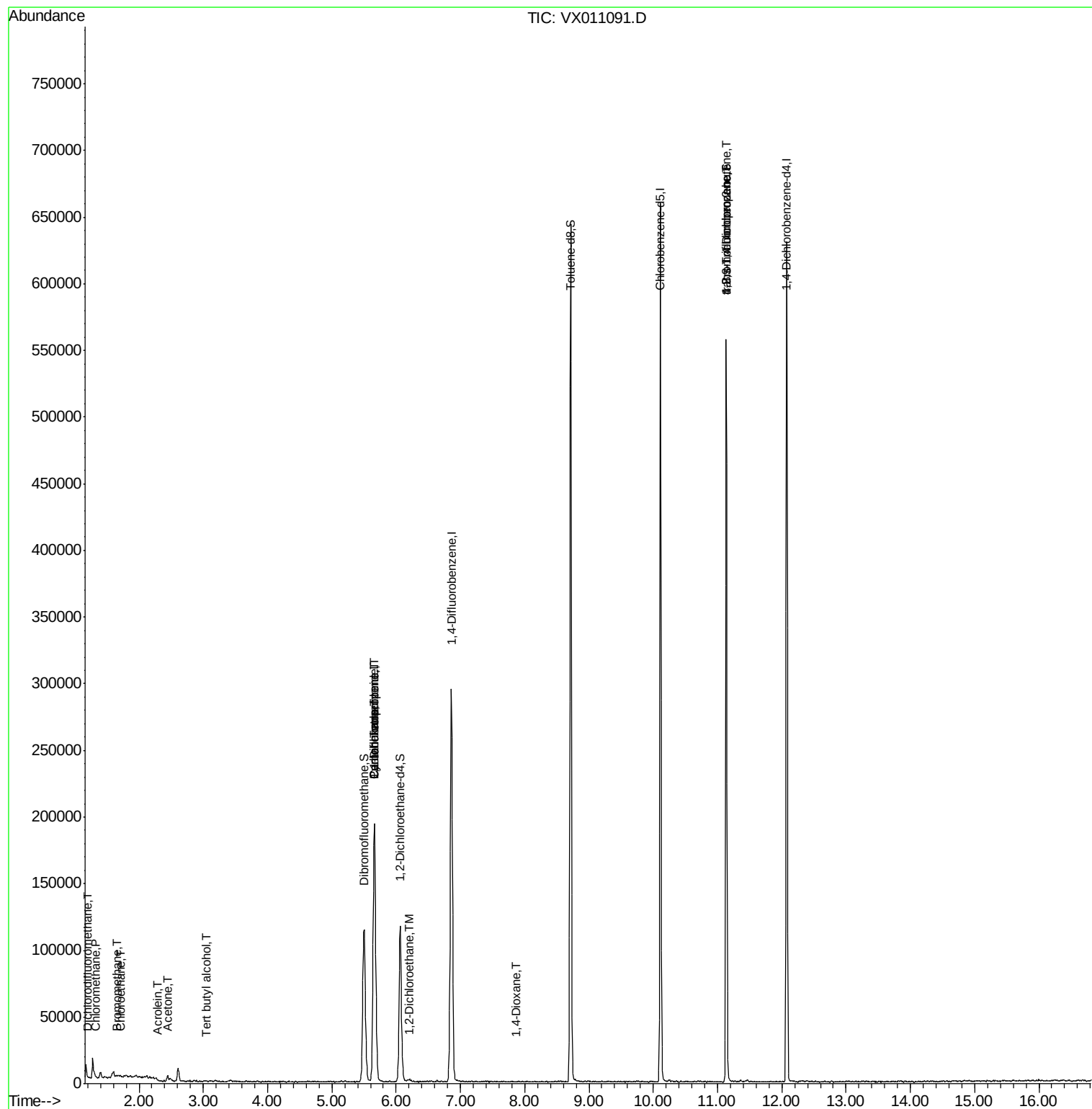
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	34	0.562	ug/l #	43
3) Chloromethane	1.33	50	532	0.295	ug/l #	86
5) Bromomethane	1.66	94	401	0.387	ug/l #	71
6) Chloroethane	1.70	64	500	0.428	ug/l #	41
11) Tert butyl alcohol	3.05	59	541	1.115	ug/l #	13
13) Acrolein	2.29	56	96	0.342	ug/l #	54
16) Acetone	2.44	43	4859	5.164	ug/l	91
31) Cyclohexane	5.65	56	3528	1.247	ug/l #	5
36) 1,1-Dichloropropene	5.67	75	13541	5.215	ug/l #	49
38) Carbon Tetrachloride	5.66	117	18144	6.706	ug/l #	17
42) 1,2-Dichloroethane	6.21	62	1723	0.623	ug/l	92
49) 1,4-Dioxane	7.86	88	21	0.353	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	66301	26.526	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	66301	65.836	ug/l #	11

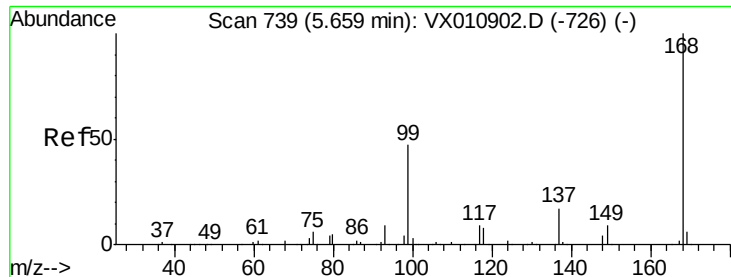
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011091.D

Acq: 26 Jul 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

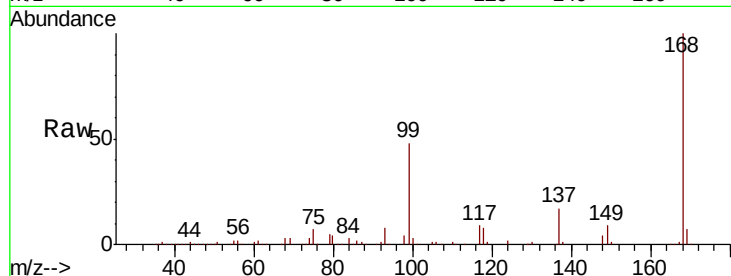
MW-6

Tot Ion:168 Resp: 195839

Ion Ratio Lower Upper

168 100

99 47.6 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

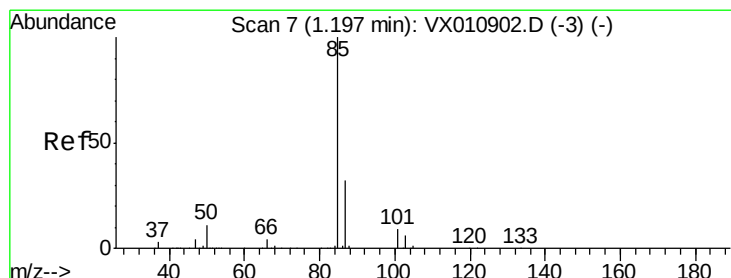
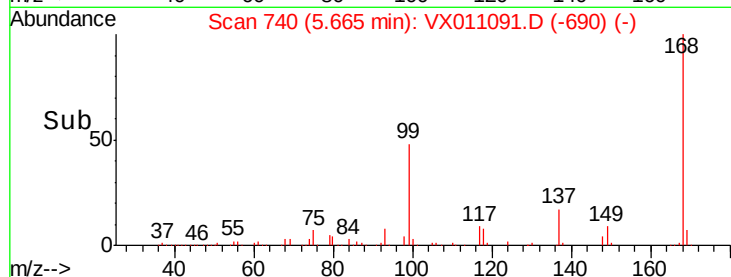
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.562 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011091.D

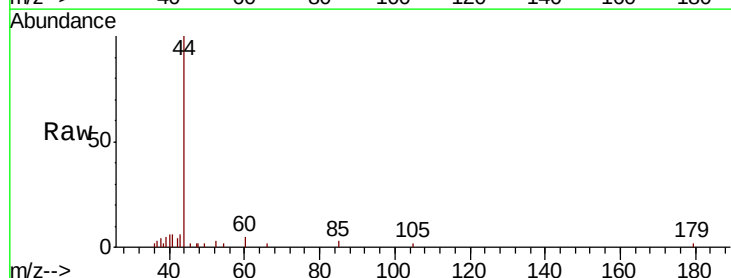
Acq: 26 Jul 2019 15:25

Tgt Ion: 85 Resp: 34

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

1.20

100

80

60

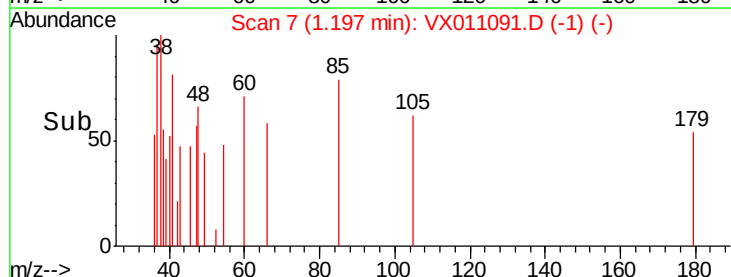
40

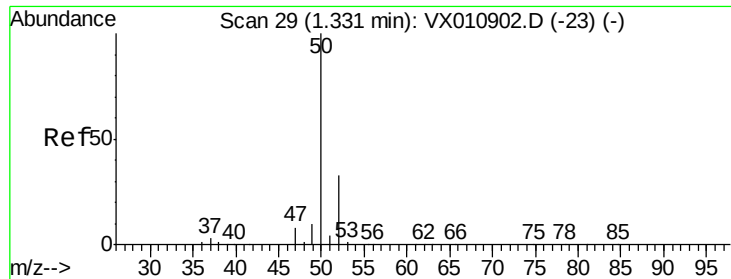
20

0

Time-->

1.18 1.19 1.20





#3

Chloromethane

Concen: 0.295 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX011091.D

Acq: 26 Jul 2019 15:25

Instrument :

MSVOA_X

ClientSampled :

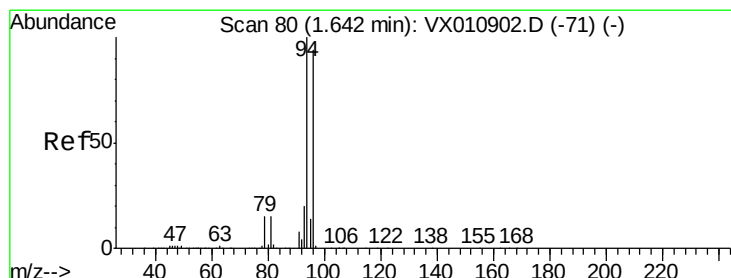
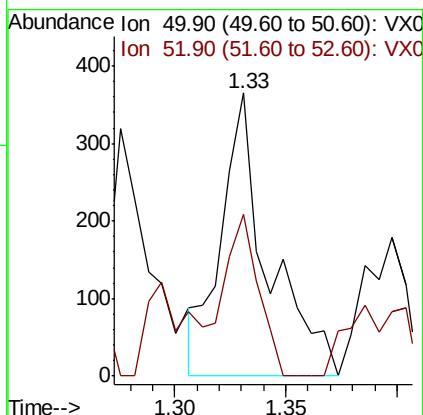
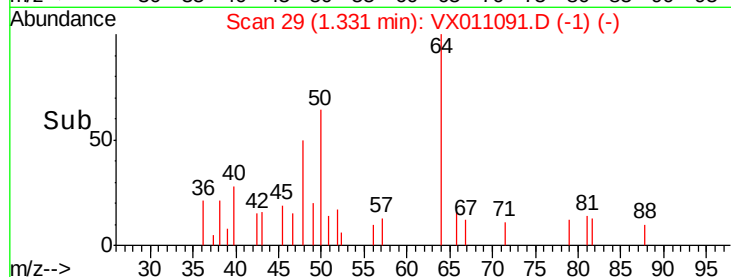
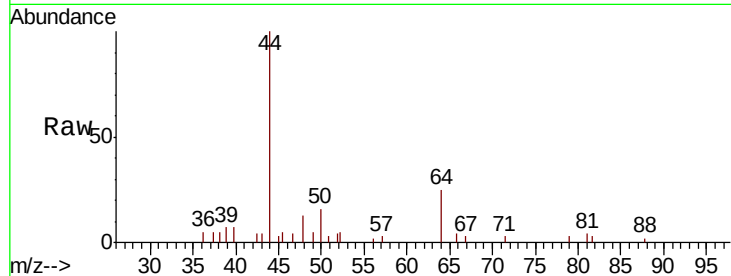
MW-6

Tot Ion: 50 Resp: 532

Ion Ratio Lower Upper

50 100

52 40.8 26.4 39.6#



#5

Bromomethane

Concen: 0.387 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX011091.D

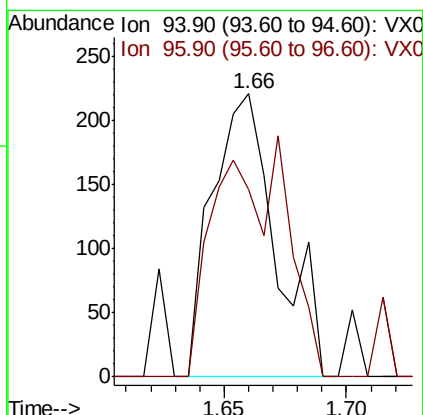
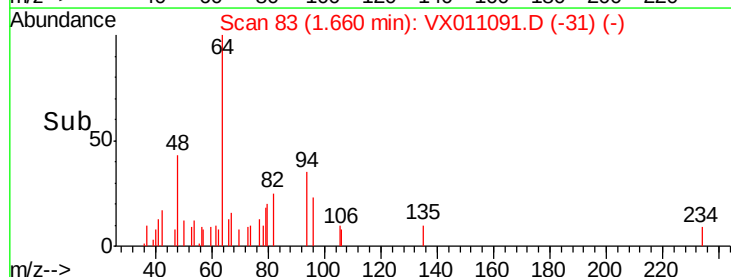
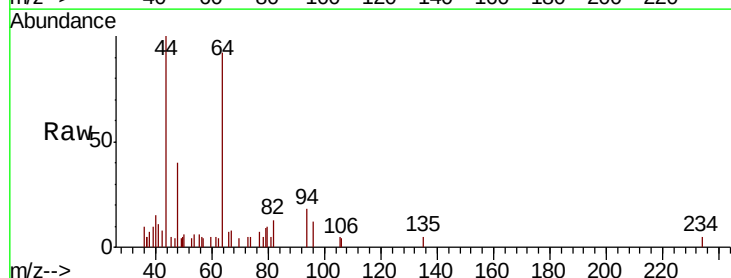
Acq: 26 Jul 2019 15:25

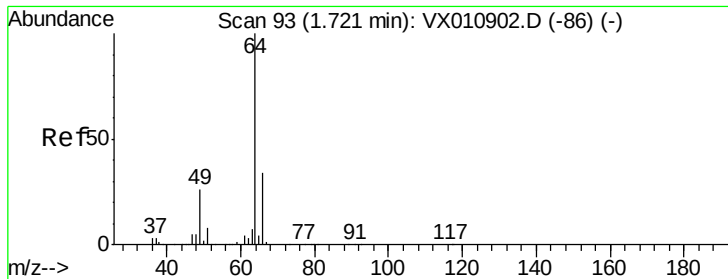
Tgt Ion: 94 Resp: 401

Ion Ratio Lower Upper

94 100

96 66.1 75.6 113.4#





#6

Chloroethane

Concen: 0.428 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX011091.D

Acq: 26 Jul 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

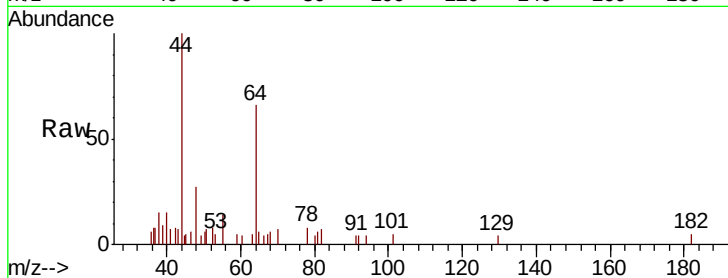
MW-6

Tot Ion: 64 Resp: 500

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

800

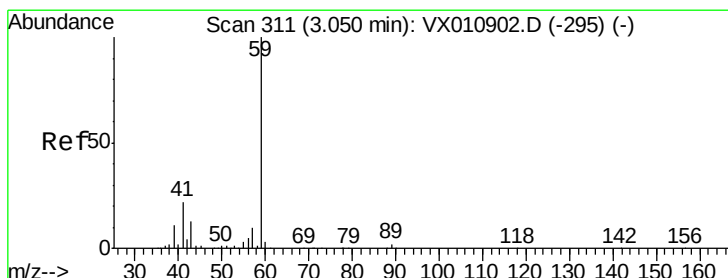
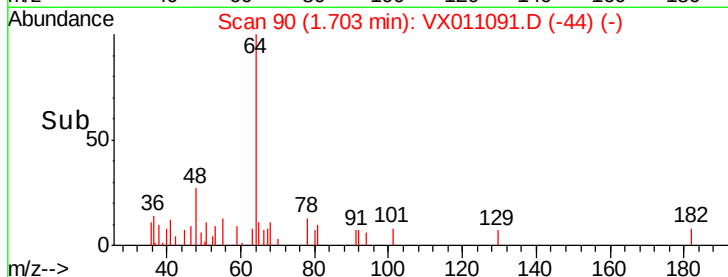
600

400

200

0

Time-->



#11

Tert butyl alcohol

Concen: 1.115 ug/l

RT: 3.05 min Scan# 311

Delta R.T. 0.00 min

Lab File: VX011091.D

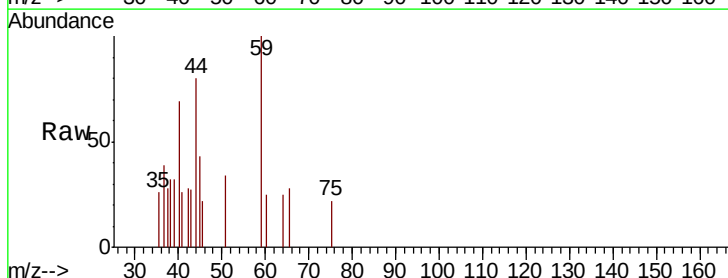
Acq: 26 Jul 2019 15:25

Tgt Ion: 59 Resp: 541

Ion Ratio Lower Upper

59 100

57 42.1 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

300

250

200

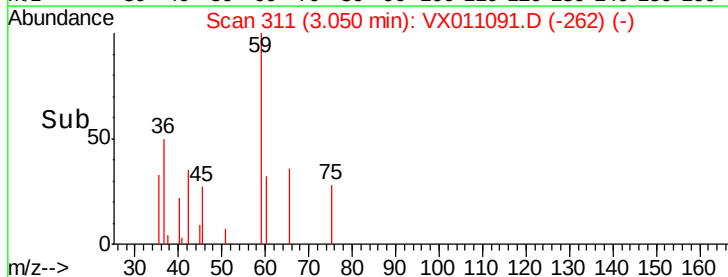
150

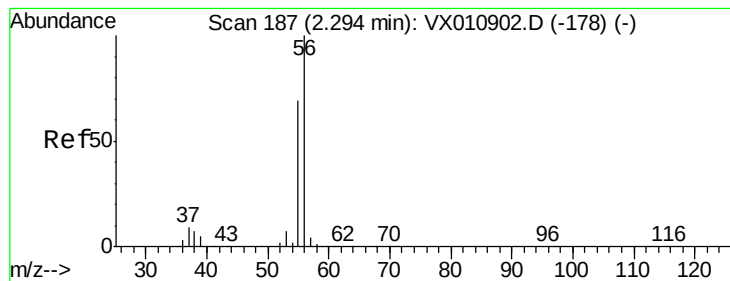
100

50

0

Time-->





#13

Acrolein

Concen: 0.342 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX011091.D

Acq: 26 Jul 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

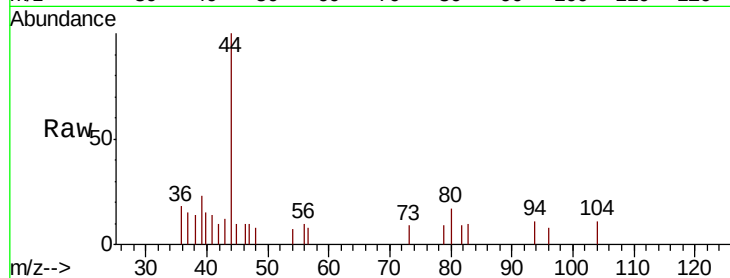
MW-6

Tot Ion: 56 Resp: 96

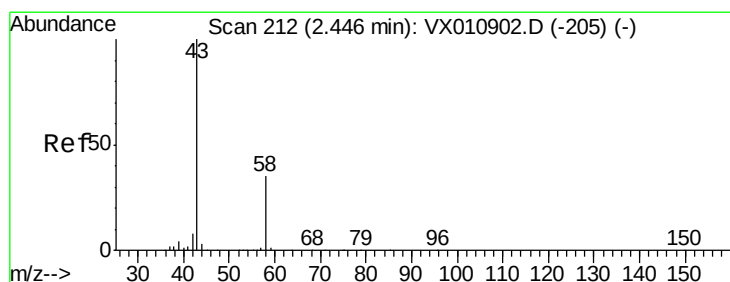
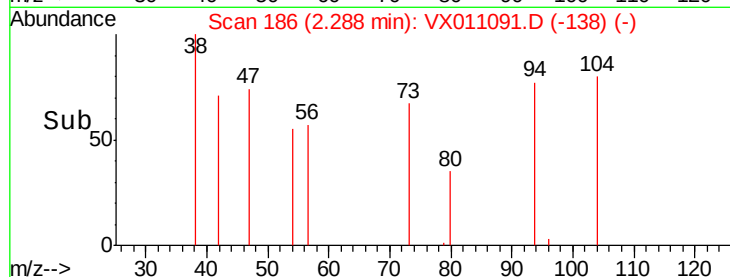
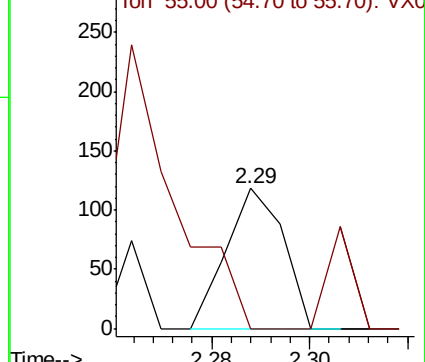
Ion Ratio Lower Upper

56 100

55 32.3 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0



#16

Acetone

Concen: 5.164 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011091.D

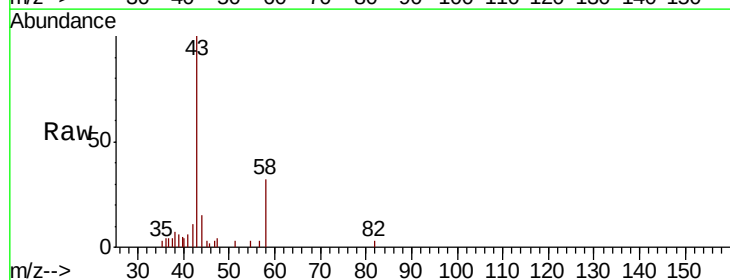
Acq: 26 Jul 2019 15:25

Tgt Ion: 43 Resp: 4859

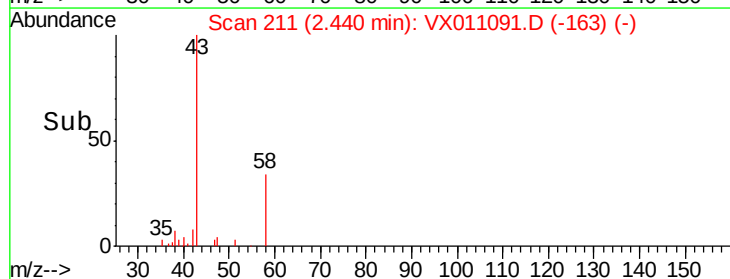
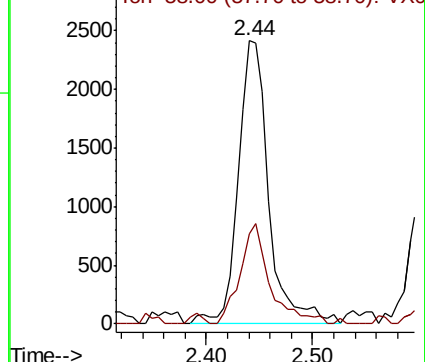
Ion Ratio Lower Upper

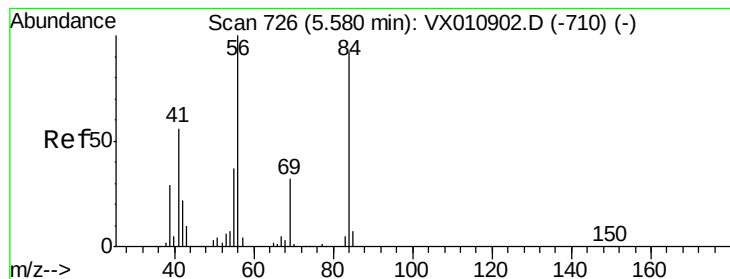
43 100

58 29.7 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0





#31

Cyclohexane

Concen: 1.247 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX011091.D

Acq: 26 Jul 2019 15:25

Instrument :

MSVOA_X

ClientSampled :

MW-6

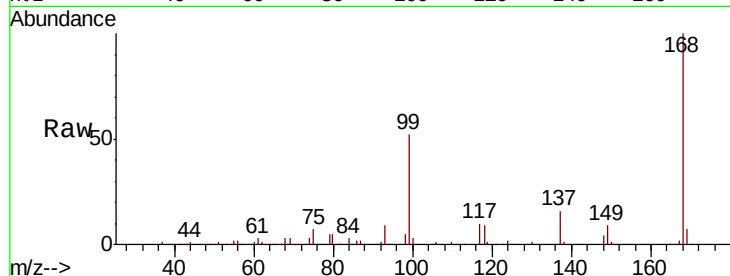
Tot Ion: 56 Resp: 3528

Ion Ratio Lower Upper

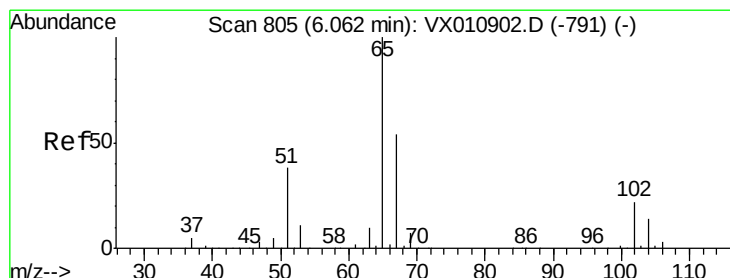
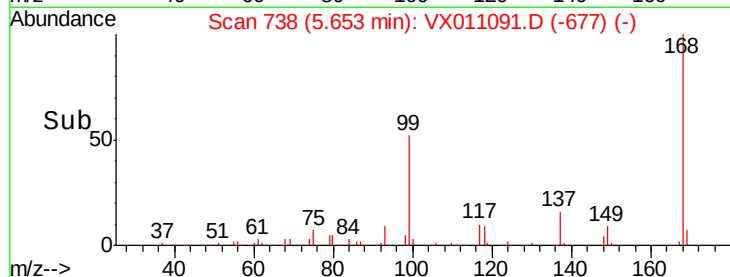
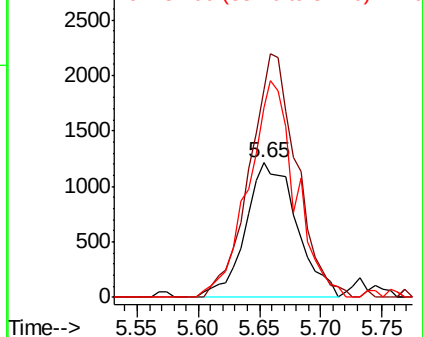
56 100

69 154.7 25.8 38.8#

84 141.5 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: 51.988 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX011091.D

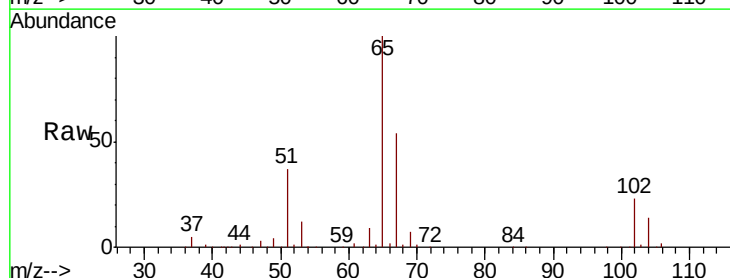
Acq: 26 Jul 2019 15:25

Tgt Ion: 65 Resp: 108314

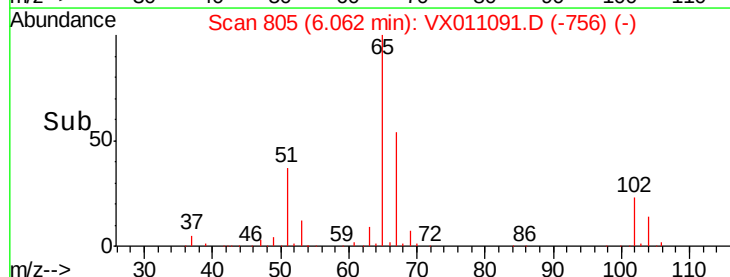
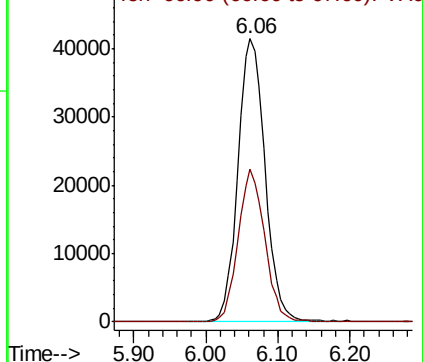
Ion Ratio Lower Upper

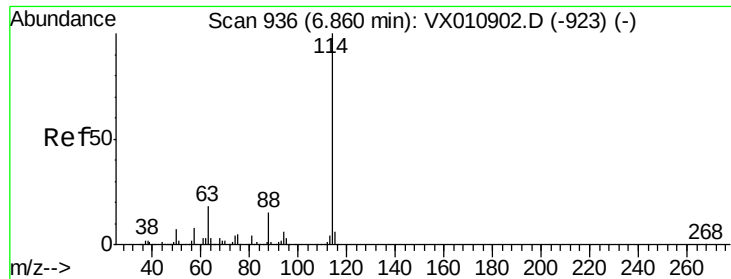
65 100

67 53.0 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

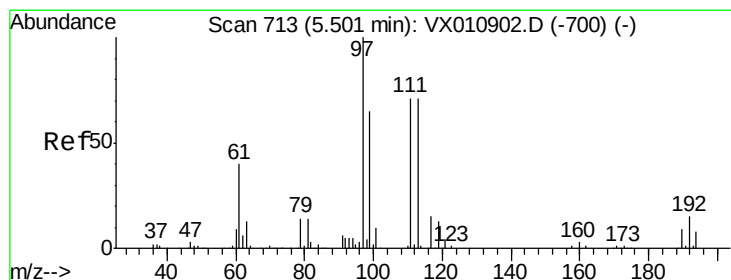
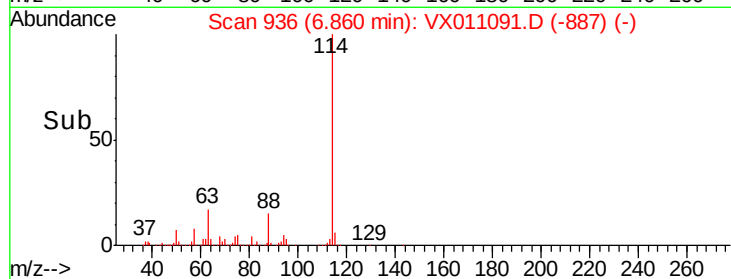
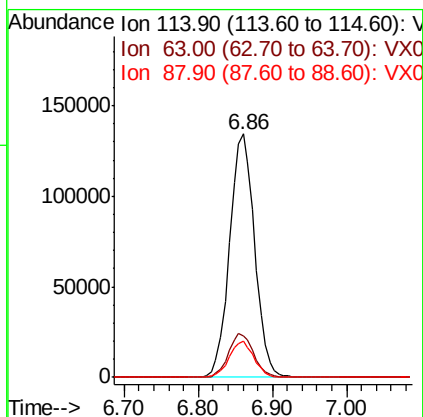
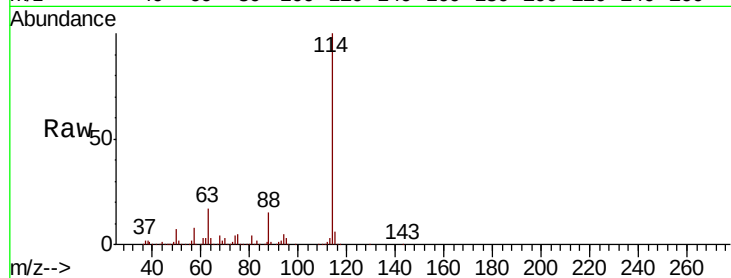




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX011091.D
Acq: 26 Jul 2019 15:25

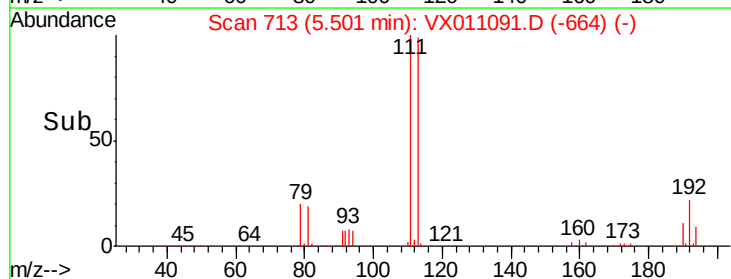
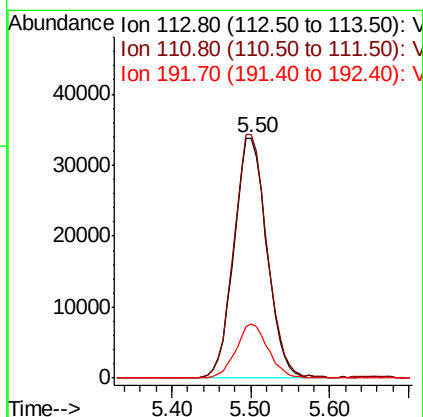
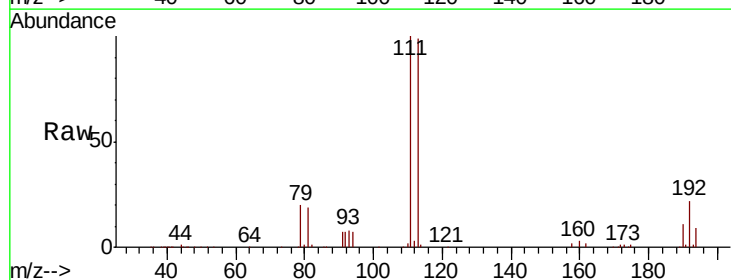
Instrument :
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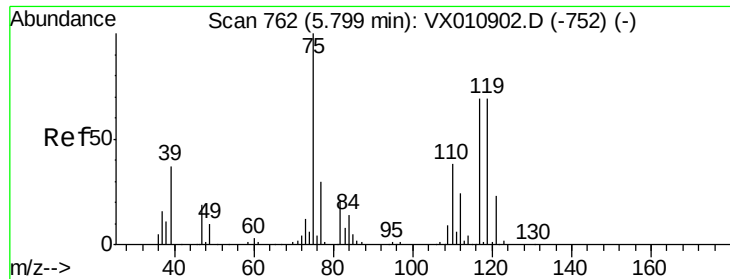
Tot Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	35.6
88	14.7	0.0	29.8



#35
Dibromofluoromethane
Concen: 48.839 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX011091.D
Acq: 26 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.3	123.5
192	22.1	17.4	26.2

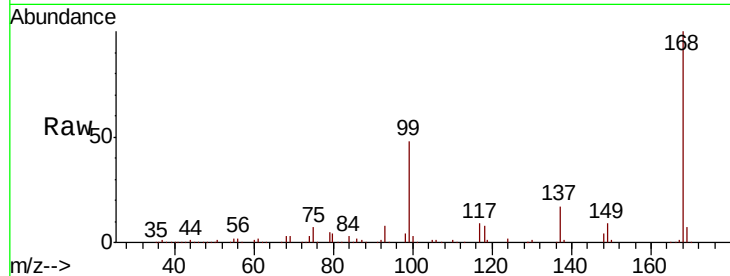




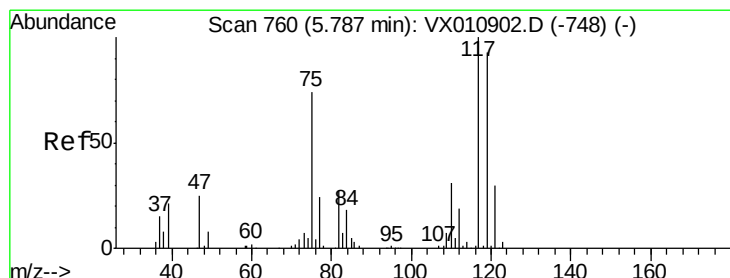
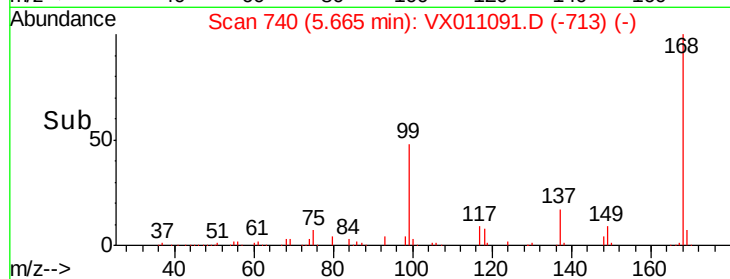
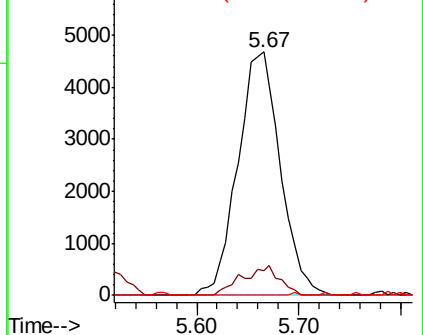
#36
 1,1-Dichloropropene
 Concen: 5.215 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX011091.D
 Acq: 26 Jul 2019 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Tot Ion	75	Resp	13541
Ion Ratio	100	Lower	Upper
75	100		
110	10.8	19.9	59.7#
77	0.0	25.0	37.4#

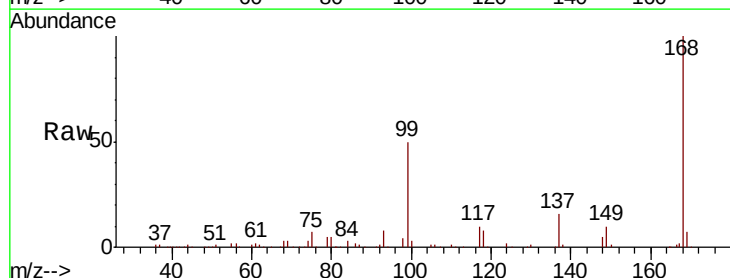


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

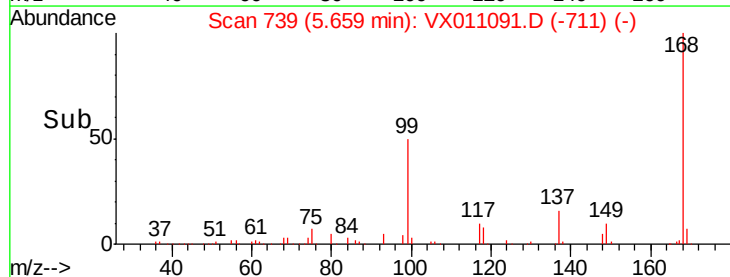
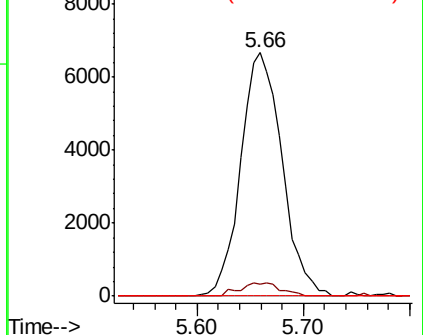


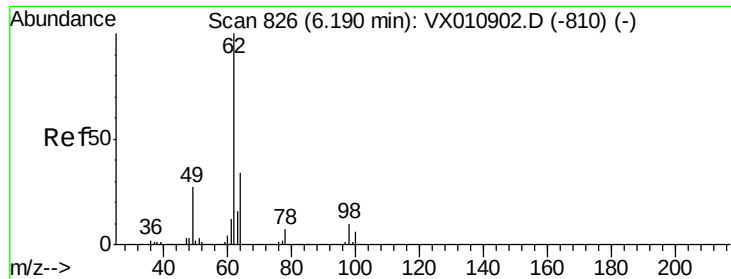
#38
 Carbon Tetrachloride
 Concen: 6.706 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011091.D
 Acq: 26 Jul 2019 15:25

Tgt Ion	117	Resp	18144
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.0	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





#42

1,2-Dichloroethane

Concen: 0.623 ug/l

RT: 6.21 min Scan# 829

Delta R.T. 0.02 min

Lab File: VX011091.D

Acq: 26 Jul 2019 15:25

Instrument :

MSVOA_X

ClientSampled :

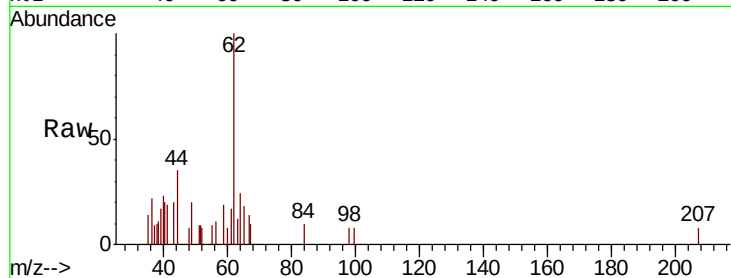
MW-6

Tot Ion: 62 Resp: 1723

Ion Ratio Lower Upper

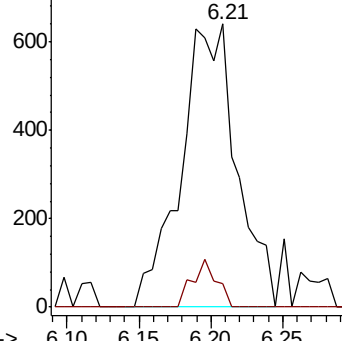
62 100

98 7.2 0.0 20.0

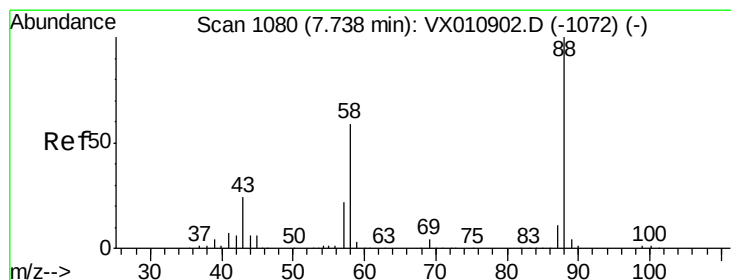
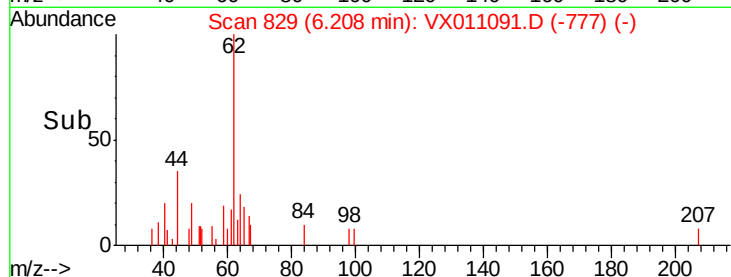


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#49

1,4-Dioxane

Concen: 0.353 ug/l

RT: 7.86 min Scan# 1100

Delta R.T. 0.12 min

Lab File: VX011091.D

Acq: 26 Jul 2019 15:25

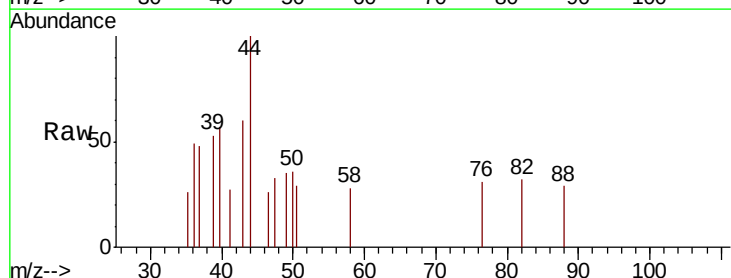
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 1600.0 22.9 34.3#

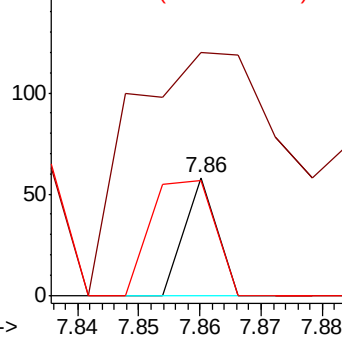
58 195.2 49.8 74.8#



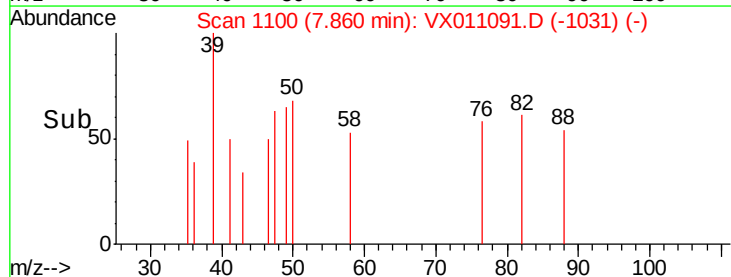
Abundance Ion 88.00 (87.70 to 88.70): VX0

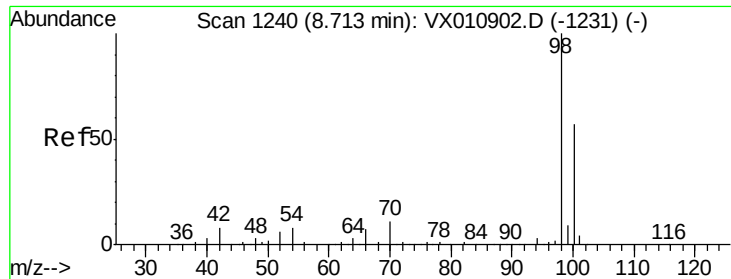
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

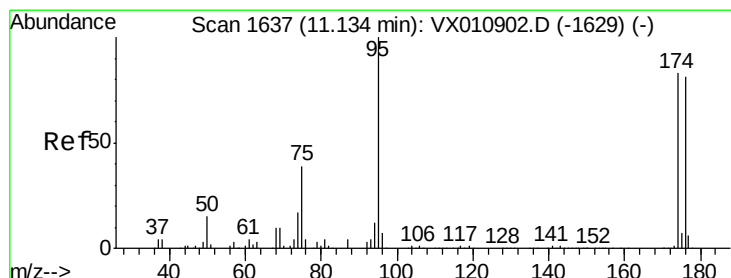
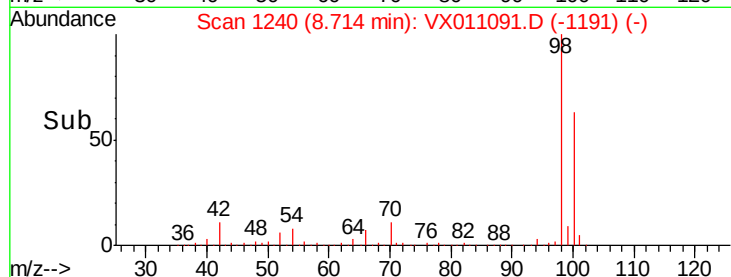
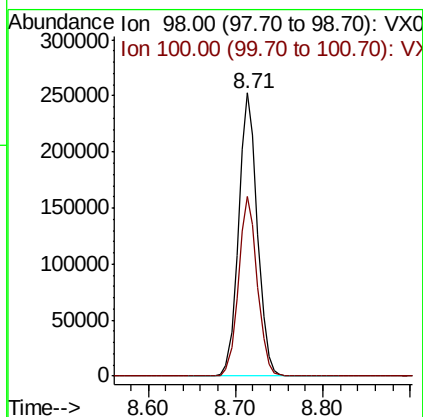
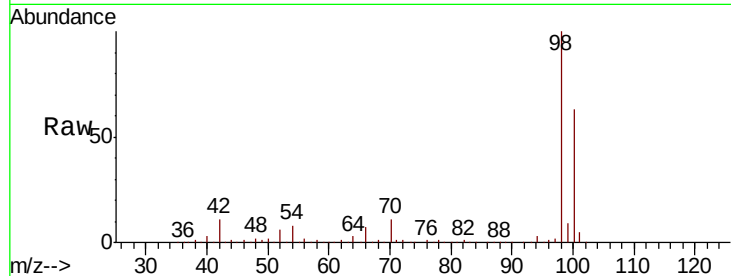




#50
Toluene-d8
Concen: 50.449 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011091.D
Acq: 26 Jul 2019 15:25

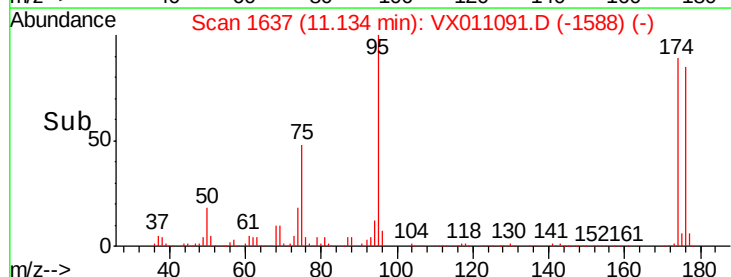
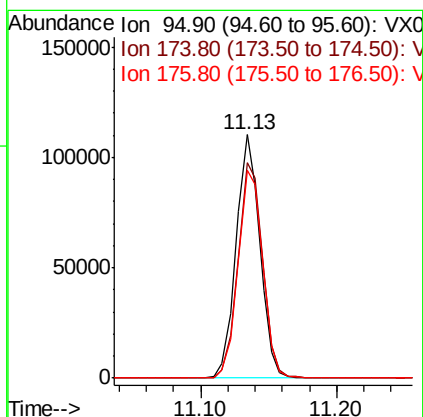
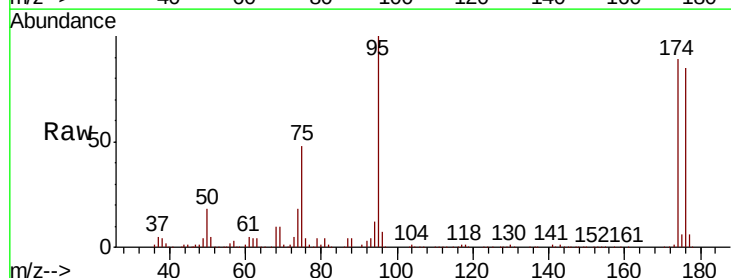
Instrument :
MSVOA_X
ClientSampleId :
MW-6

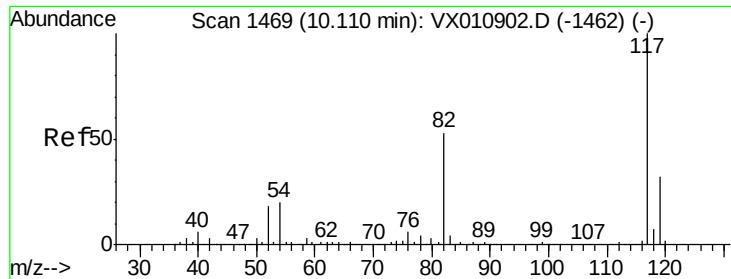
Tot Ion: 98 Resp: 379638
Ion Ratio Lower Upper
98 100
100 63.2 50.6 75.8



#62
4-Bromofluorobenzene
Concen: 48.394 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011091.D
Acq: 26 Jul 2019 15:25

Tgt Ion: 95 Resp: 133860
Ion Ratio Lower Upper
95 100
174 91.4 0.0 180.6
176 88.9 0.0 173.8

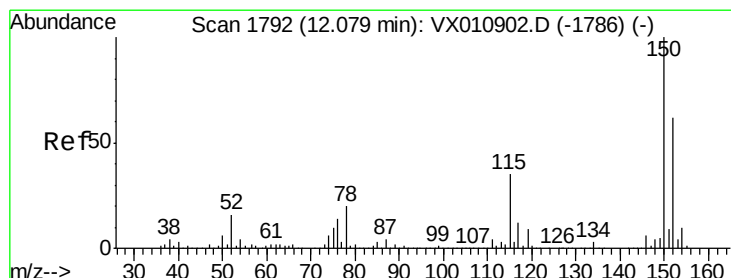
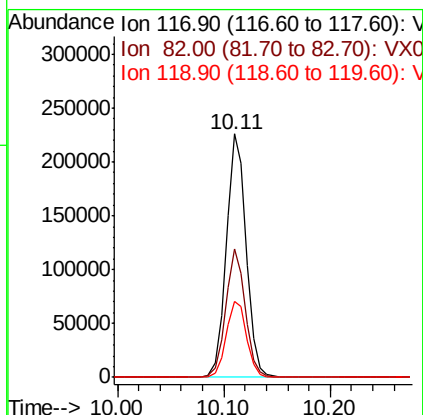
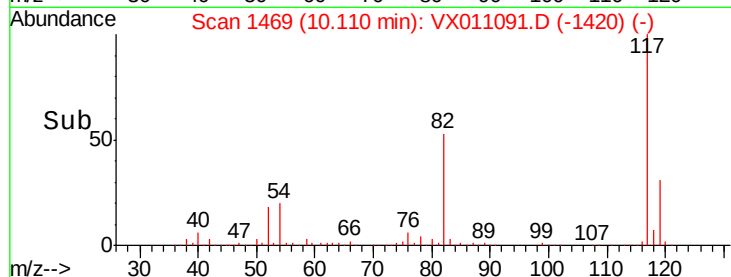
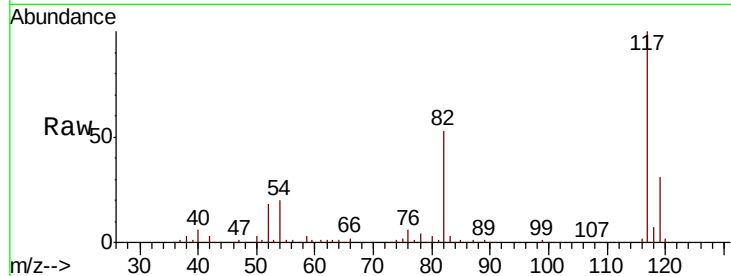




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011091.D
Acq: 26 Jul 2019 15:25

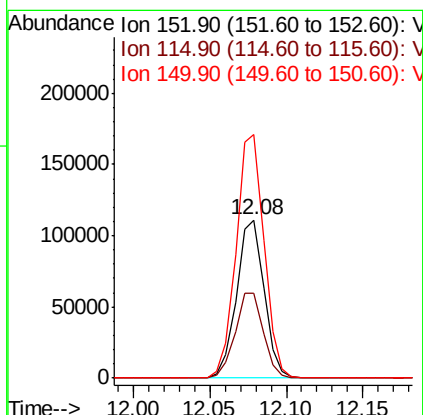
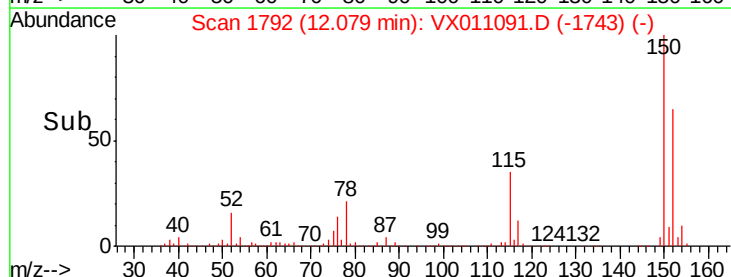
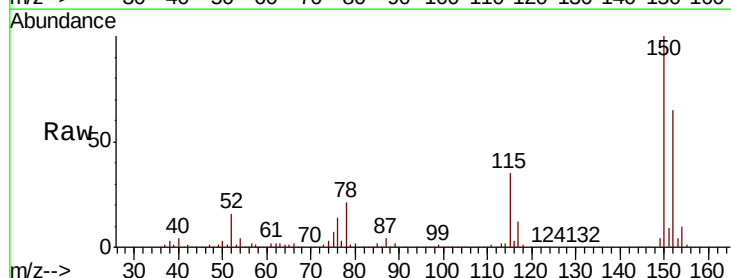
Instrument :
MSVOA_X
ClientSampled :
MW-6

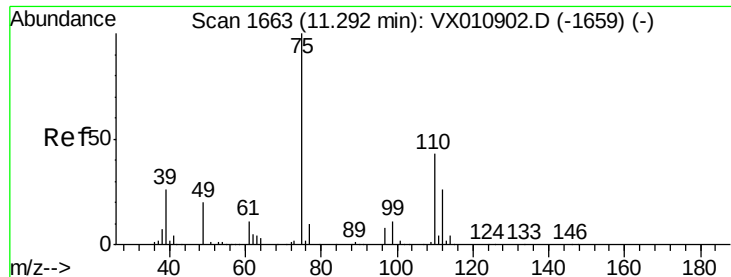
Tot Ion:117 Resp: 293953
Ion Ratio Lower Upper
117 100
82 52.6 42.6 63.8
119 31.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011091.D
Acq: 26 Jul 2019 15:25

Tgt Ion:152 Resp: 138508
Ion Ratio Lower Upper
152 100
115 55.0 39.7 119.1
150 156.3 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 26.526 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011091.D

Acq: 26 Jul 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

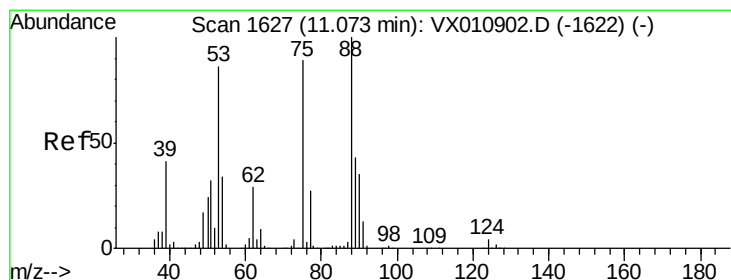
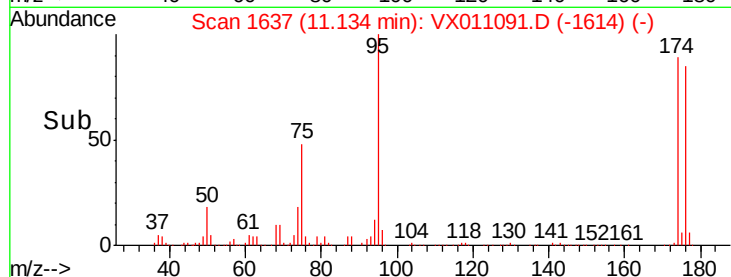
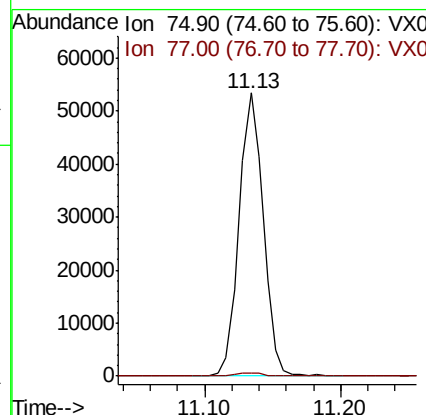
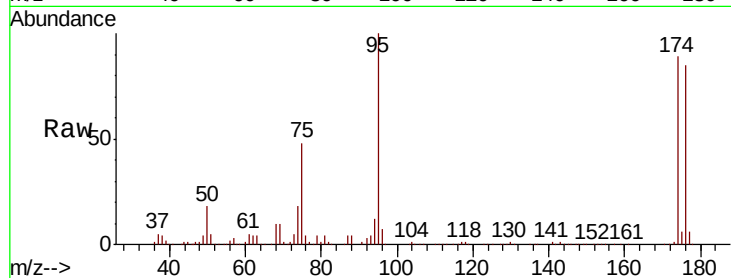
MW-6

Tot Ion: 75 Resp: 66301

Ion Ratio Lower Upper

75 100

77 1.3 21.3 64.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.836 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011091.D

Acq: 26 Jul 2019 15:25

Tgt Ion: 75 Resp: 66301

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.0 38.5 57.7#

