

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019027.D
 Acq On : 22 Oct 2020 15:15
 Operator : JC/SP
 Sample : L4417-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13

Quant Time: Oct 23 08:32:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	262962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	459994	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	444340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	230745	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	166938	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
35) Dibromofluoromethane	5.46	113	144128	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	8.70	98	572203	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	11.12	95	210490	53.25	ug/l	0.00
Spiked Amount			Recovery	=	106.50%	

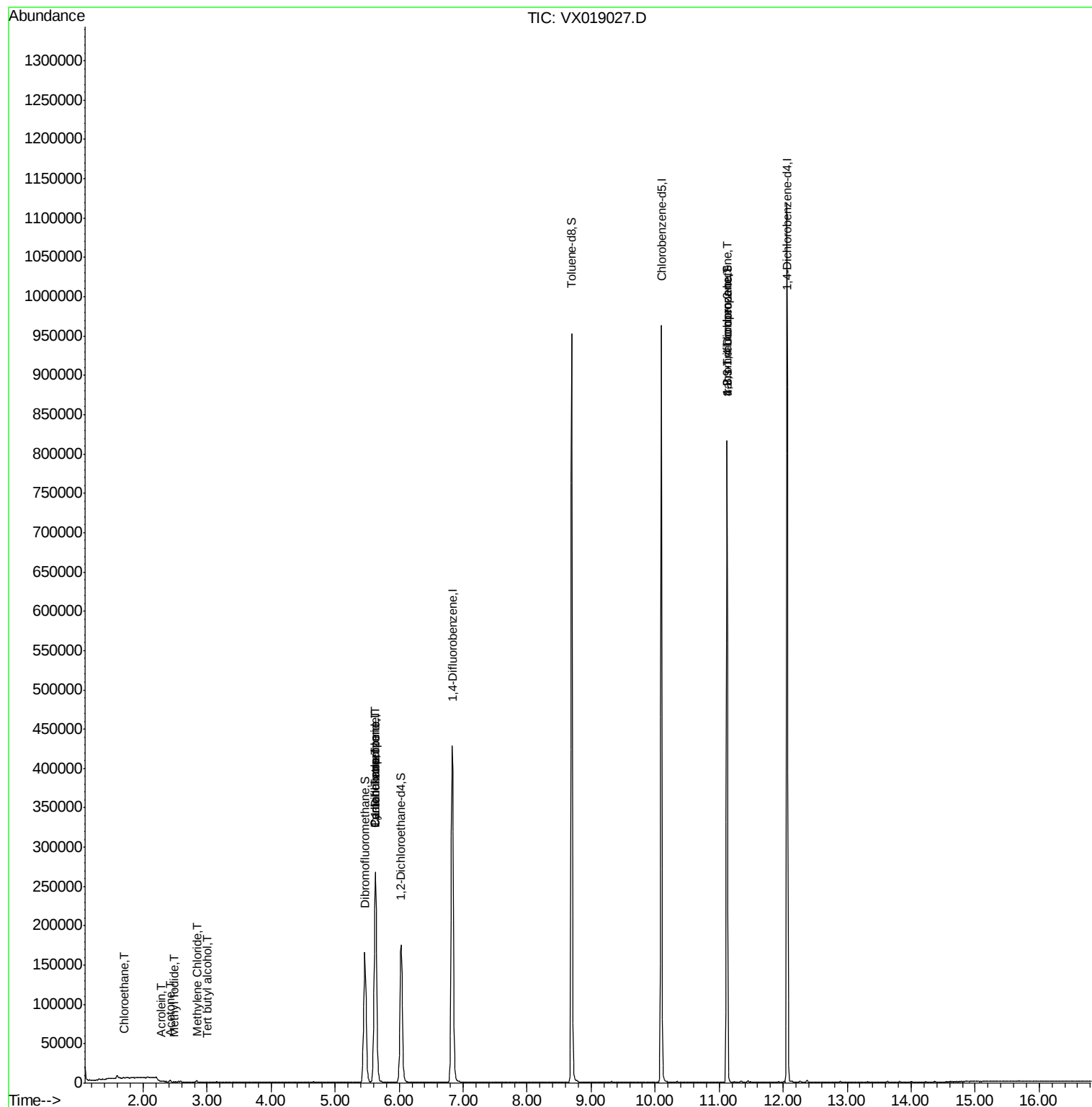
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	244	Below Cal	#	67
6) Chloroethane	1.71	64	24	1.282	ug/l #	1
10) Methyl Iodide	2.49	142	187	4.819	ug/l #	42
11) Tert butyl alcohol	3.01	59	390	0.611	ug/l #	73
13) Acrolein	2.28	56	173	14.305	ug/l #	1
16) Acetone	2.42	43	2556	2.382	ug/l	94
20) Methylene Chloride	2.84	84	681	0.228	ug/l #	90
31) Cyclohexane	5.63	56	5069	1.374	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	19602	4.749	ug/l #	48
38) Carbon Tetrachloride	5.63	117	25827	5.962	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	105758	22.931	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	105758	58.424	ug/l #	15

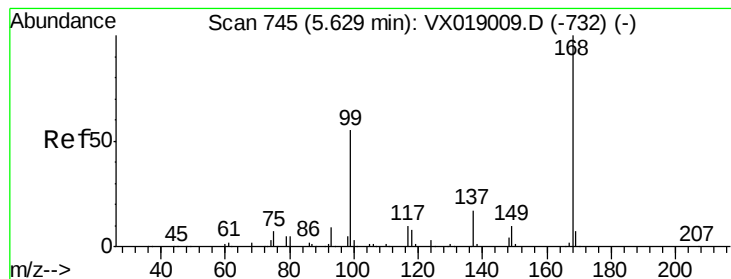
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 23 08:32:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019027.D

Acq: 22 Oct 2020 15:15

Instrument :

MSVOA_X

ClientSampled :

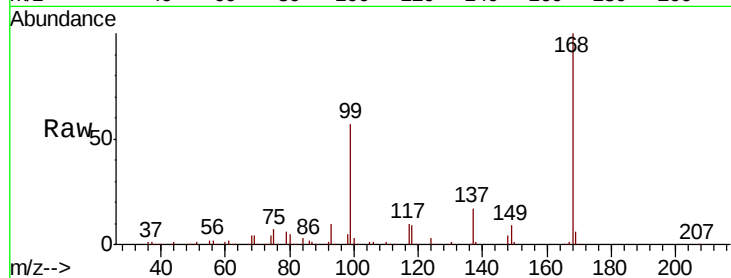
MW-13

Tot Ion:168 Resp: 262962

Ion Ratio Lower Upper

168 100

99 56.8 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

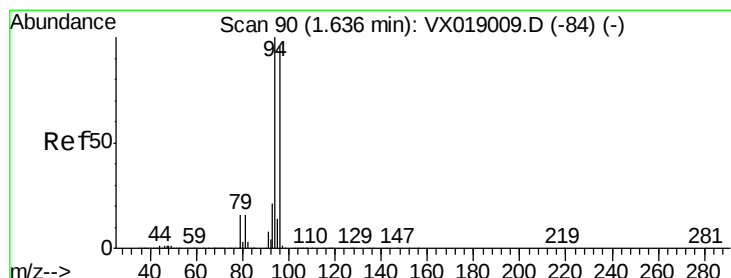
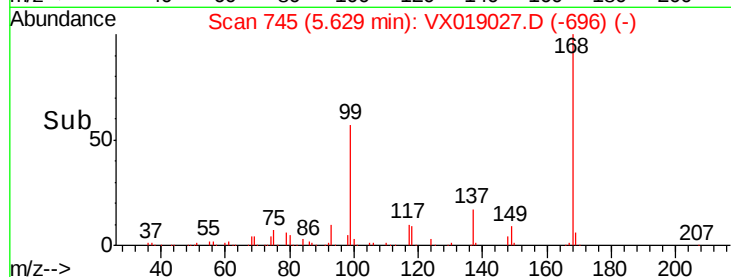
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019027.D

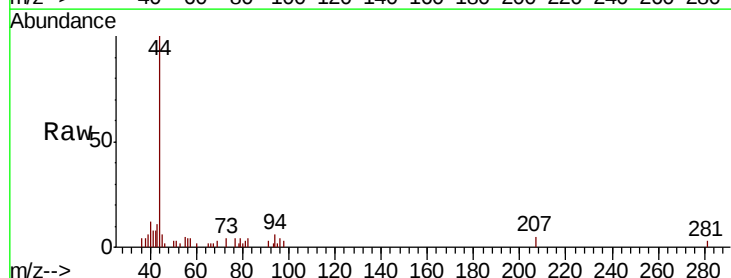
Acq: 22 Oct 2020 15:15

Tgt Ion: 94 Resp: 244

Ion Ratio Lower Upper

94 100

96 63.9 77.1 115.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

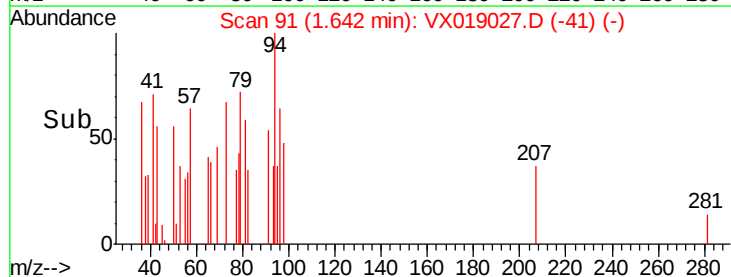
150

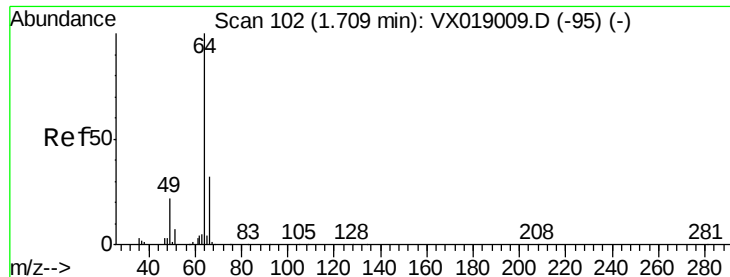
100

50

0

Time-->

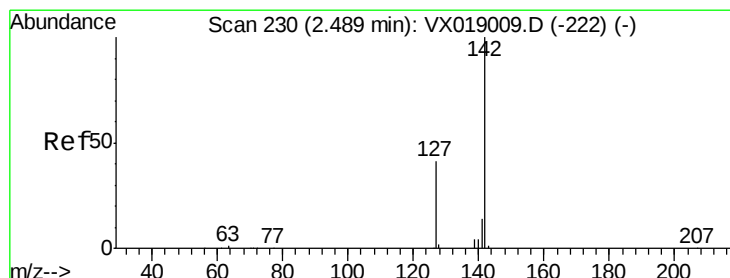
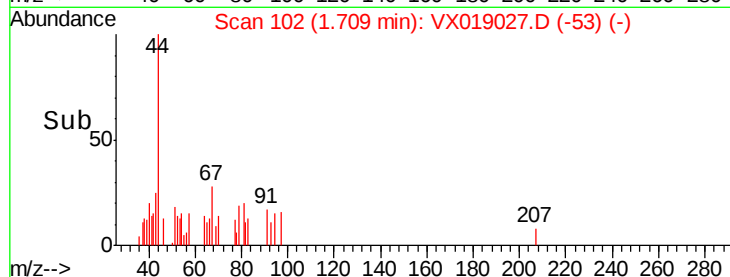
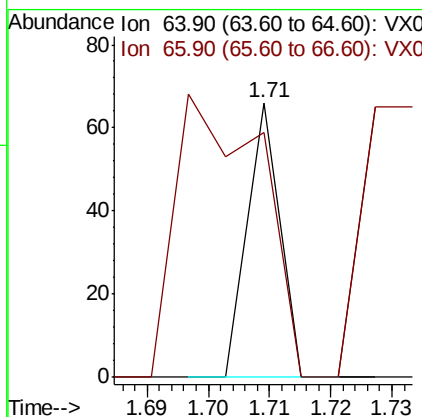
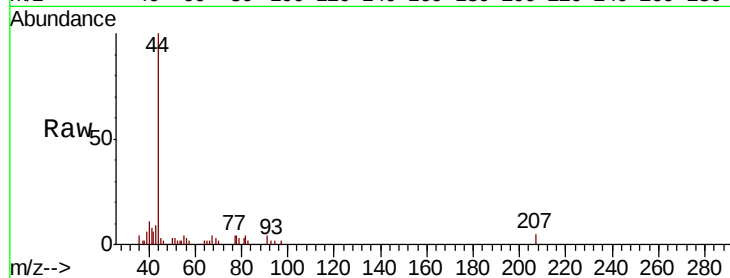




#6
Chloroethane
Concen: 1.282 ug/l
RT: 1.71 min Scan# 102
Delta R.T. -0.00 min
Lab File: VX019027.D
Acq: 22 Oct 2020 15:15

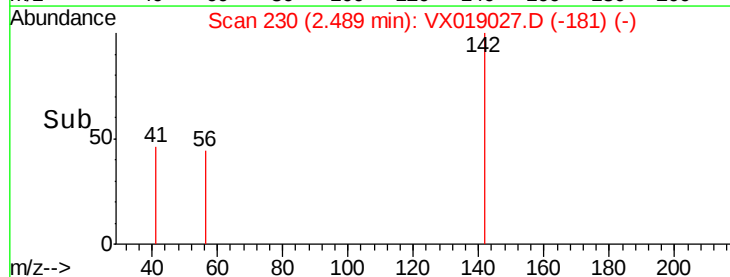
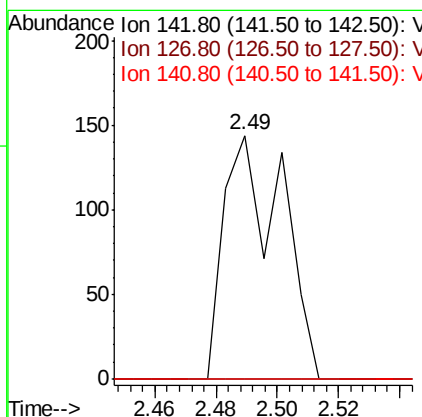
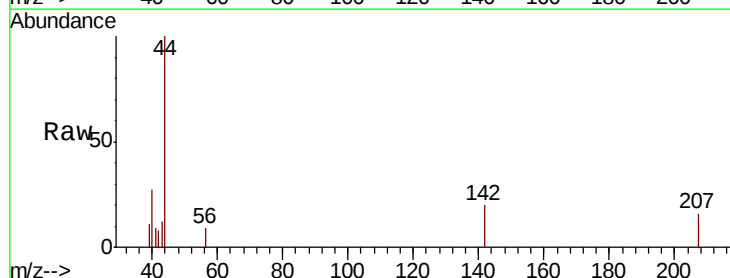
Instrument :
MSVOA_X
ClientSampleId :
MW-13

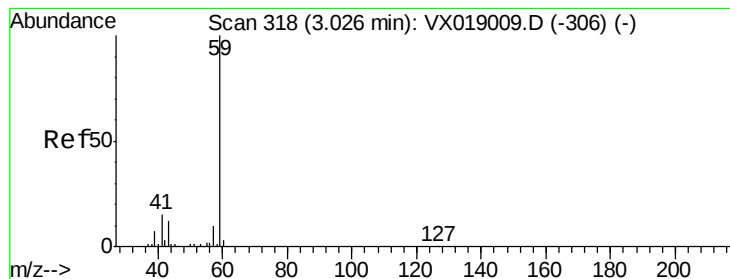
Tot Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 89.4 25.7 38.5#



#10
Methyl Iodide
Concen: 4.819 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX019027.D
Acq: 22 Oct 2020 15:15

Tgt Ion: 142 Resp: 187
Ion Ratio Lower Upper
142 100
127 0.0 33.6 50.4#
141 0.0 11.2 16.8#



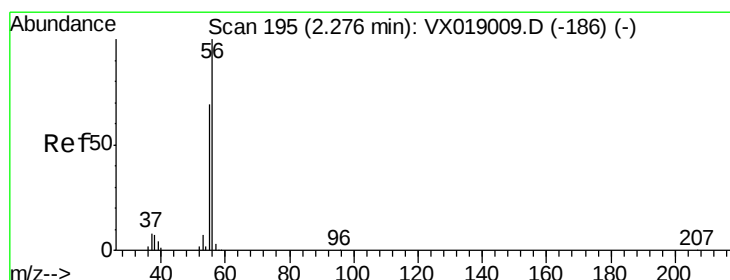
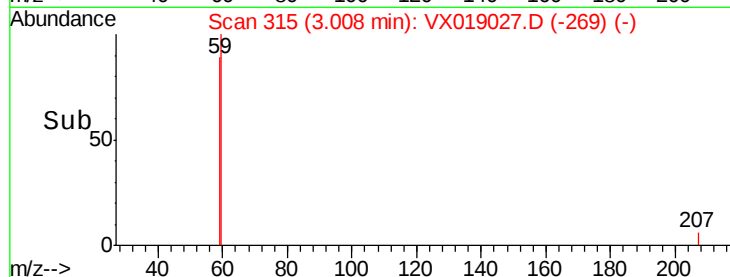
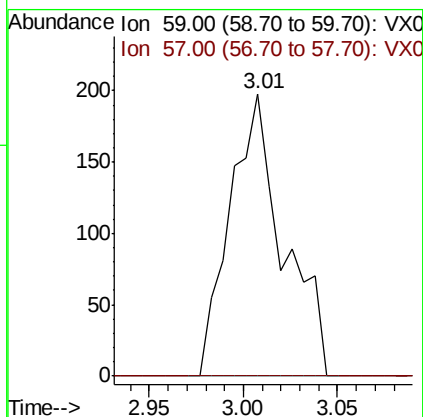
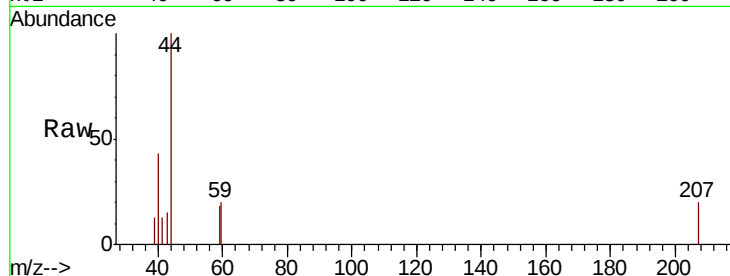


#11

Tert butyl alcohol
 Concen: 0.611 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.02 min
 Lab File: VX019027.D
 Acq: 22 Oct 2020 15:15

Instrument :
 MSVOA_X
 ClientSampled :
 MW-13

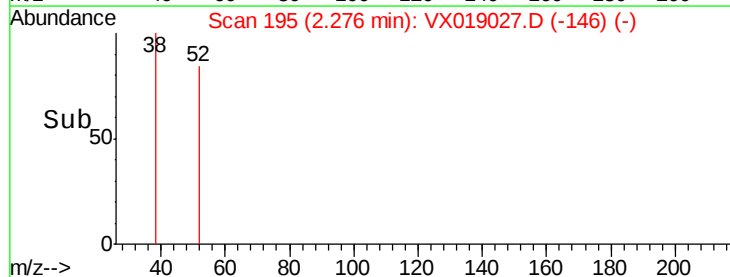
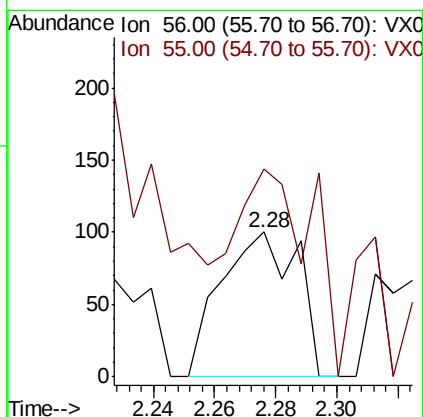
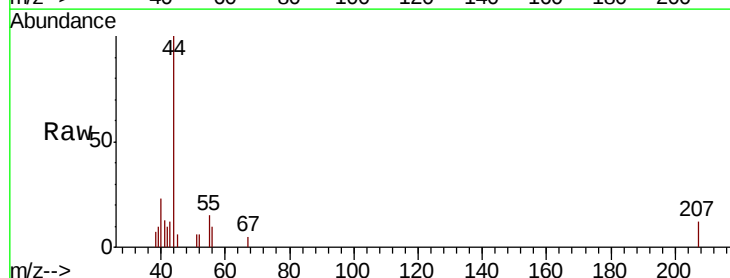
Tot Ion: 59 Resp: 390
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

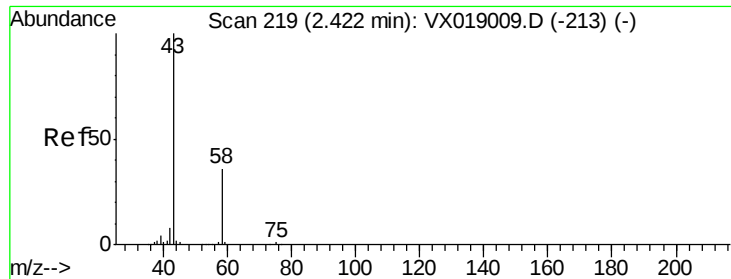


#13

Acrolein
 Concen: 14.305 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. -0.00 min
 Lab File: VX019027.D
 Acq: 22 Oct 2020 15:15

Tgt Ion: 56 Resp: 173
 Ion Ratio Lower Upper
 56 100
 55 148.0 54.2 81.4#





#16

Acetone

Concen: 2.382 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019027.D

Acq: 22 Oct 2020 15:15

Instrument :

MSVOA_X

ClientSampled :

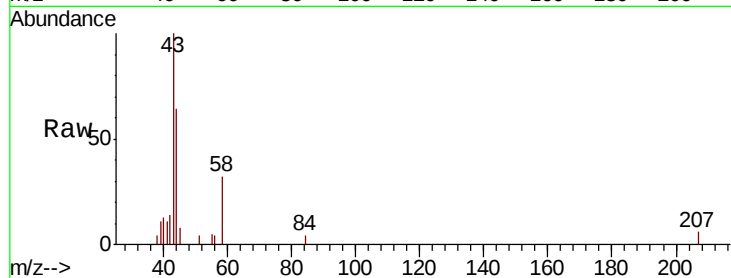
MW-13

Tot Ion: 43 Resp: 2556

Ion Ratio Lower Upper

43 100

58 32.5 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

1500

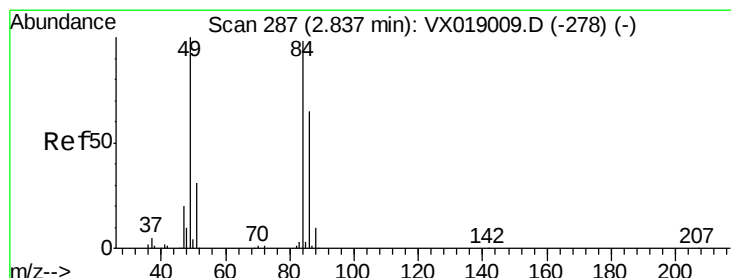
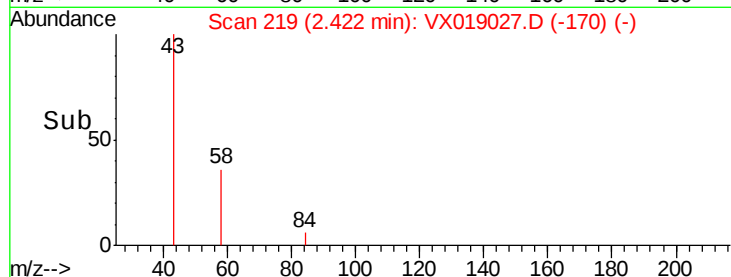
1000

500

0

Time-->

2.35 2.40 2.45



#20

Methylene Chloride

Concen: 0.228 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX019027.D

Acq: 22 Oct 2020 15:15

Tgt Ion: 84 Resp: 681

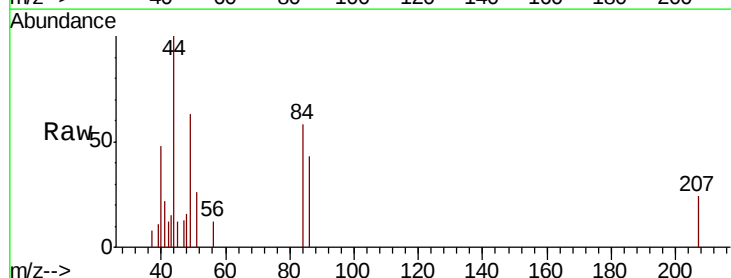
Ion Ratio Lower Upper

84 100

49 108.5 81.6 122.4

51 45.1 25.6 38.4#

86 74.0 53.3 79.9



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

600

500

400

300

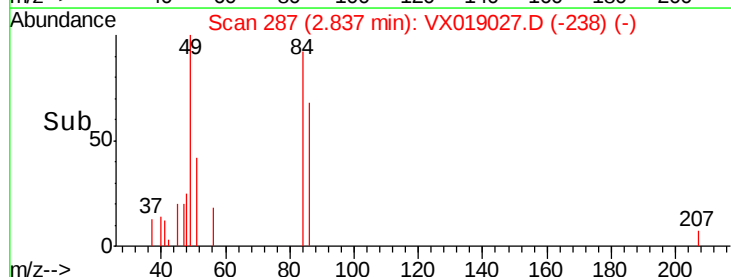
200

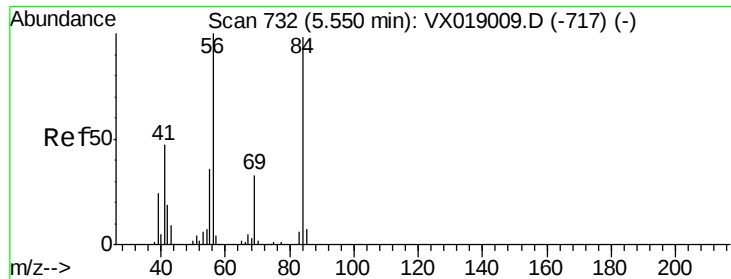
100

0

Time-->

2.80 2.85

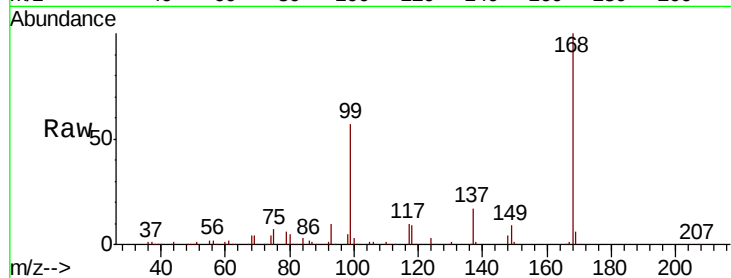




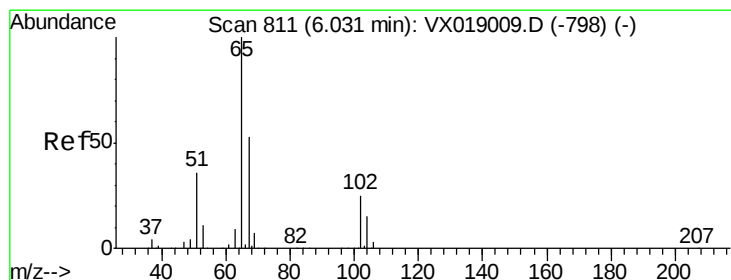
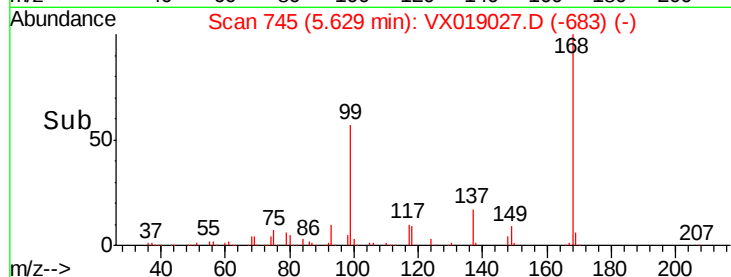
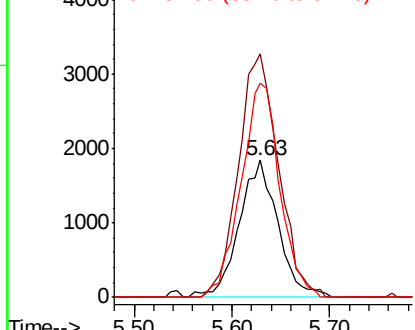
#31
Cyclohexane
Concen: 1.374 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019027.D
Acq: 22 Oct 2020 15:15

Instrument :
MSVOA_X
ClientSampleId :
MW-13

Tot Ion: 56 Resp: 5069
Ion Ratio Lower Upper
56 100
69 177.8 26.2 39.2#
84 156.2 78.3 117.5#

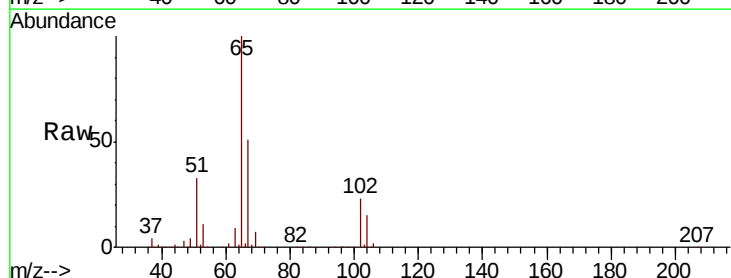


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

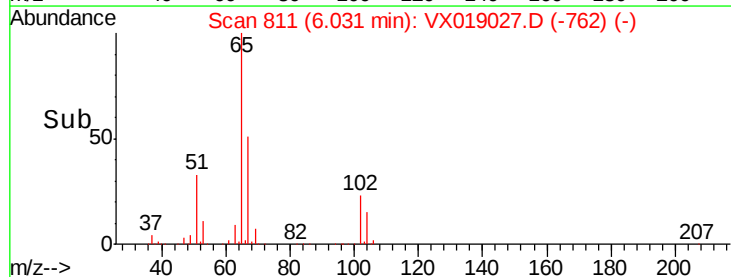
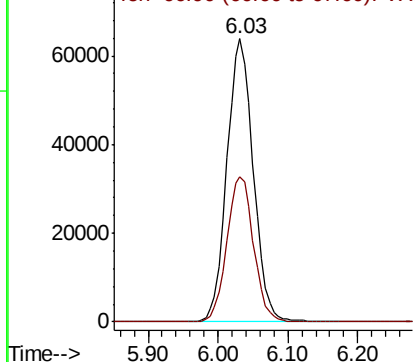


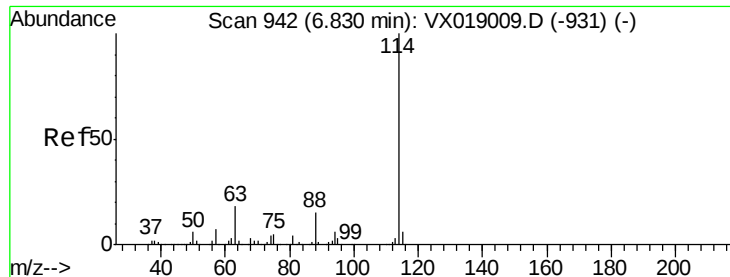
#33
1,2-Dichloroethane-d4
Concen: 52.999 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019027.D
Acq: 22 Oct 2020 15:15

Tgt Ion: 65 Resp: 166938
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.0



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019027.D

Acq: 22 Oct 2020 15:15

Instrument :

MSVOA_X

ClientSampleId :

MW-13

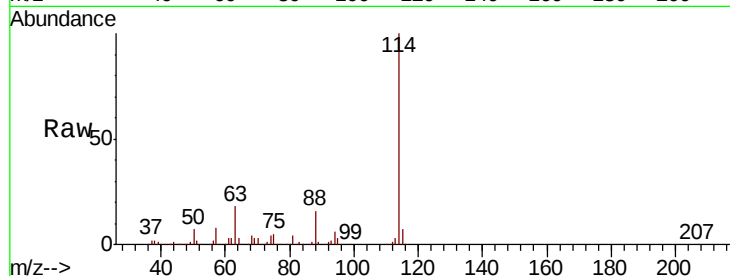
Tot Ion:114 Resp: 459994

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.8

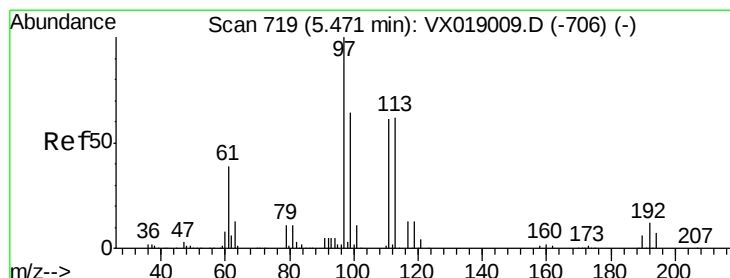
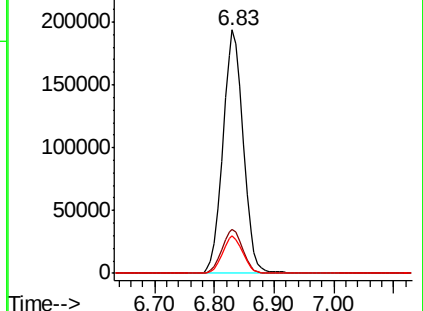
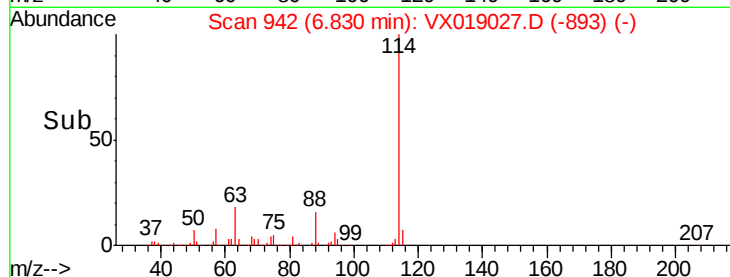
88 15.6 0.0 30.2



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: 49.488 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019027.D

Acq: 22 Oct 2020 15:15

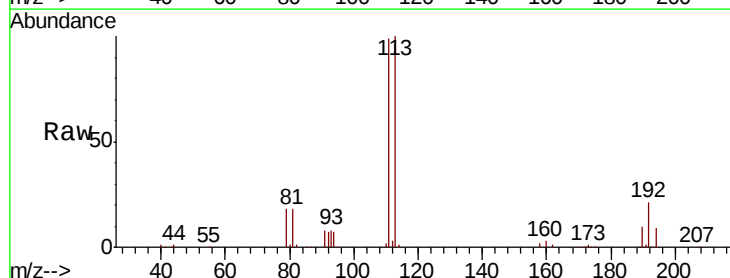
Tgt Ion:113 Resp: 144128

Ion Ratio Lower Upper

113 100

111 102.1 81.5 122.3

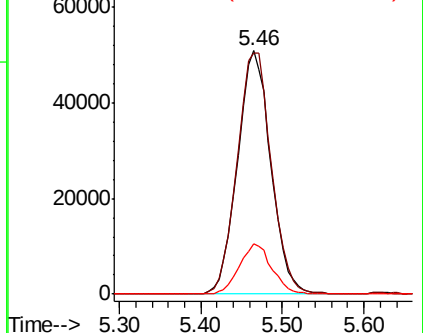
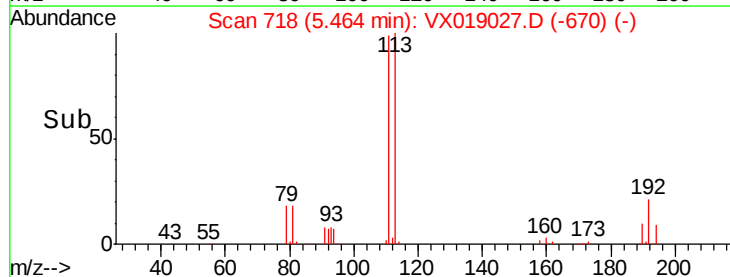
192 20.1 16.3 24.5

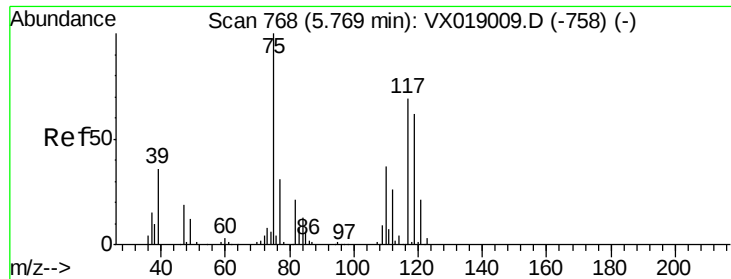


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

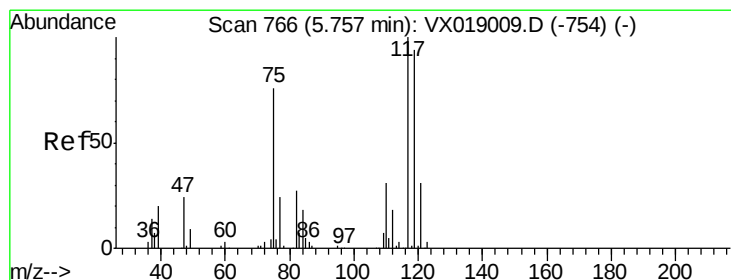
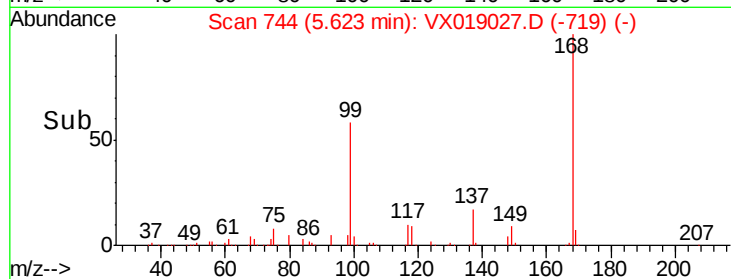
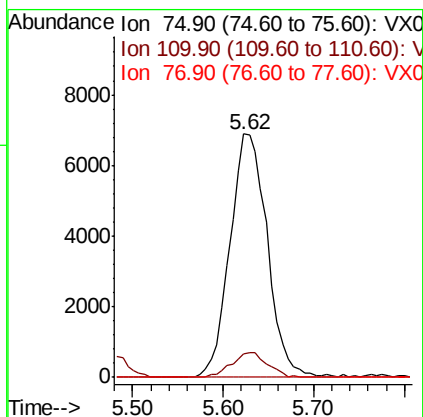
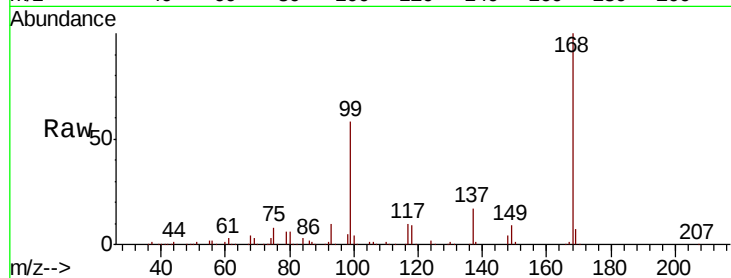




#36
 1,1-Dichloropropene
 Concen: 4.749 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX019027.D
 Acq: 22 Oct 2020 15:15

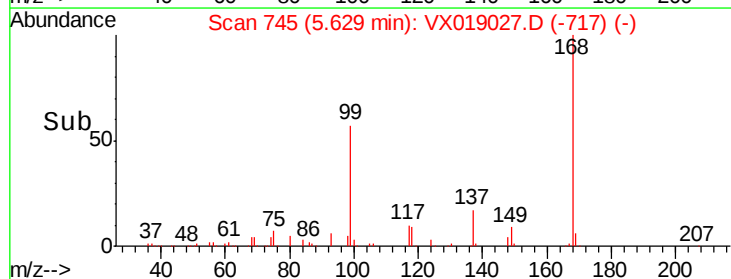
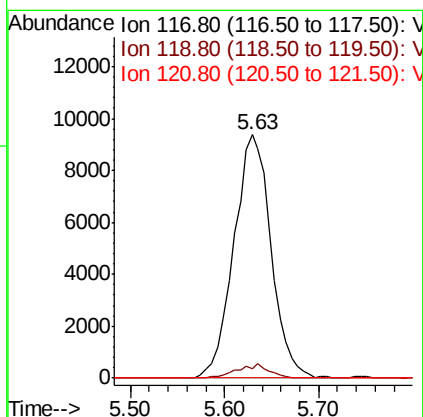
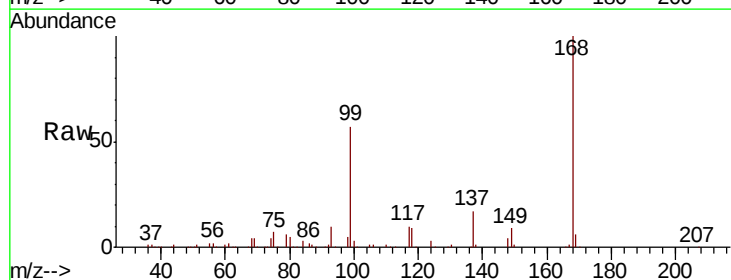
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13

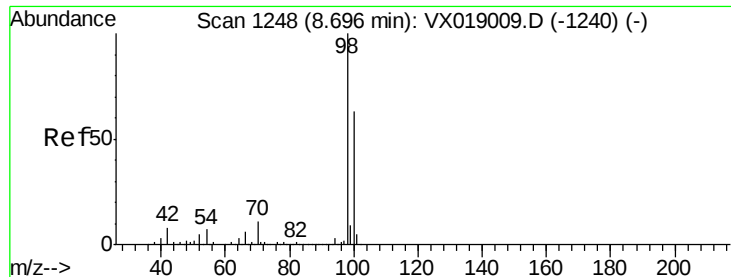
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.4	58.2#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.962 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019027.D
 Acq: 22 Oct 2020 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	75.4	113.0#
121	0.0	25.0	37.6#

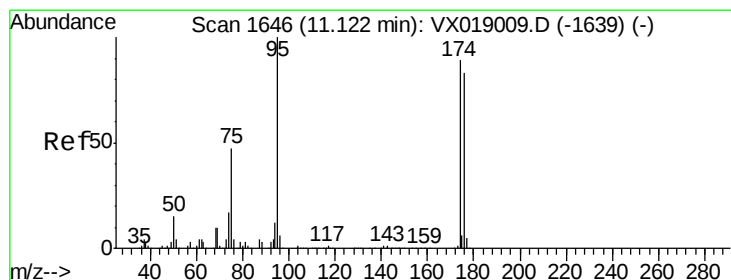
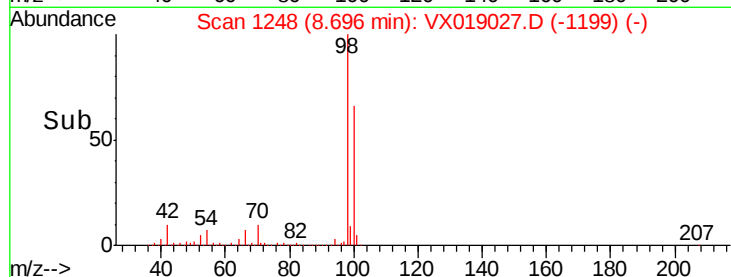
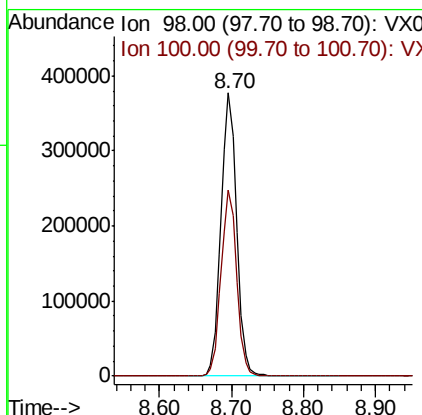
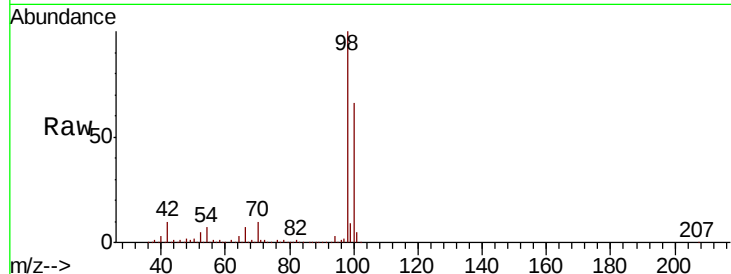




#50
Toluene-d8
Concen: 51.486 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019027.D
Acq: 22 Oct 2020 15:15

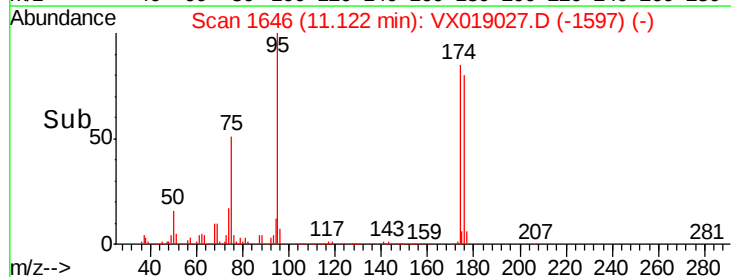
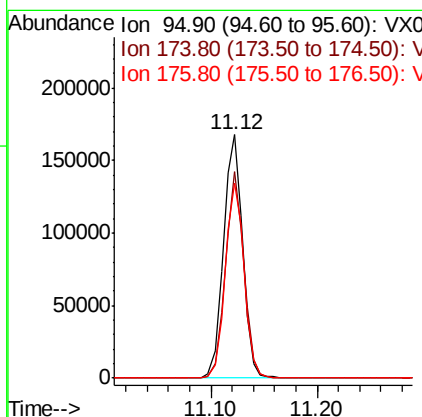
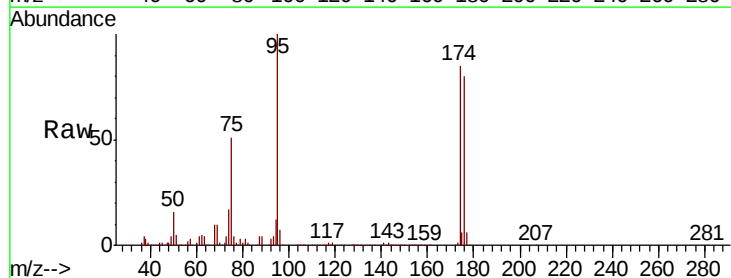
Instrument :
MSVOA_X
ClientSampleId :
MW-13

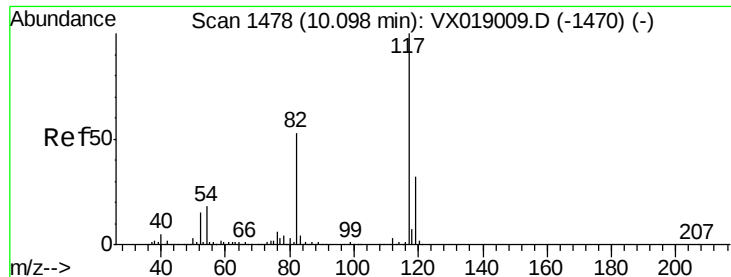
Tot Ion: 98 Resp: 572203
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 53.246 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019027.D
Acq: 22 Oct 2020 15:15

Tgt Ion: 95 Resp: 210490
Ion Ratio Lower Upper
95 100
174 81.9 0.0 167.6
176 79.0 0.0 165.2

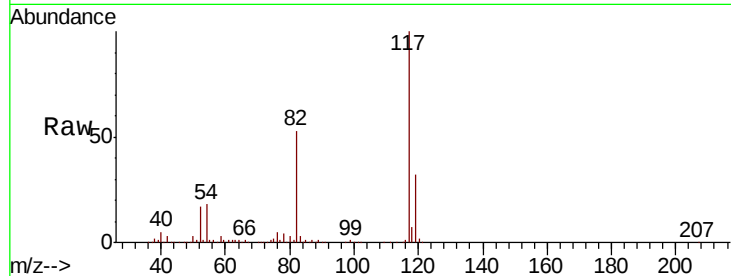




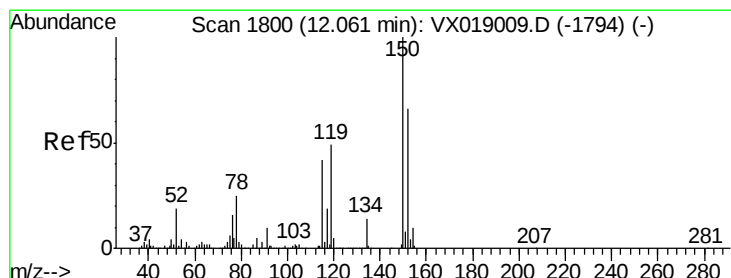
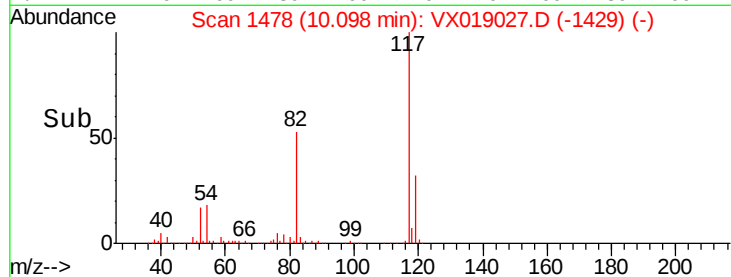
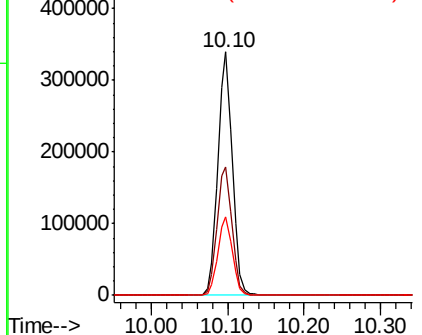
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019027.D
Acq: 22 Oct 2020 15:15

Instrument :
MSVOA_X
ClientSampleId :
MW-13

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.4	63.6
119	32.2	25.6	38.4

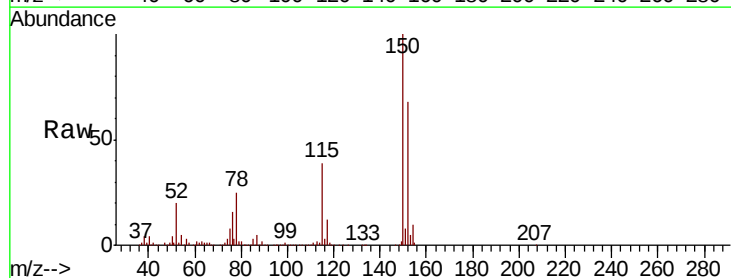


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

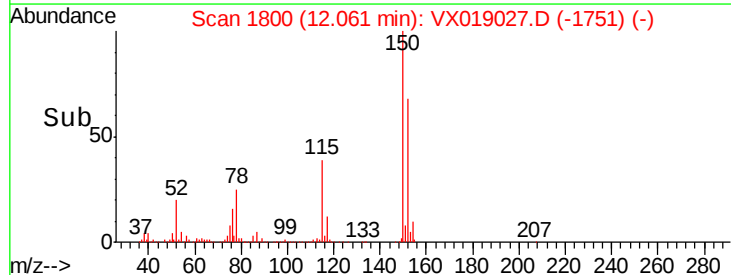
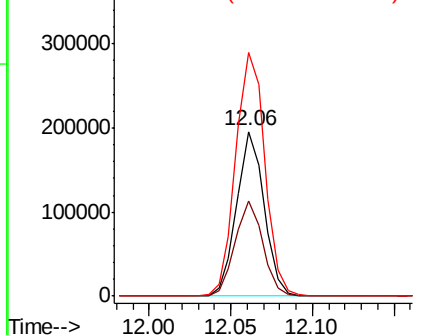


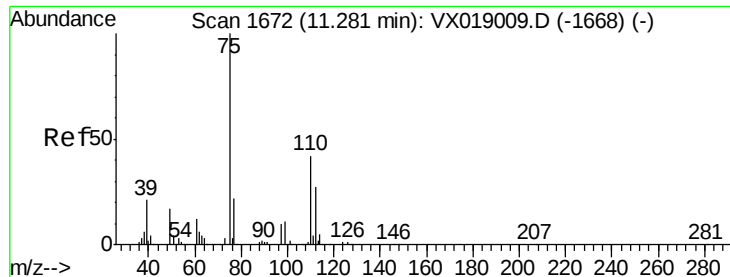
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019027.D
Acq: 22 Oct 2020 15:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	40.8	122.5
150	157.0	0.0	345.6



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: 22.931 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019027.D

Acq: 22 Oct 2020 15:15

Instrument :

MSVOA_X

ClientSampleId :

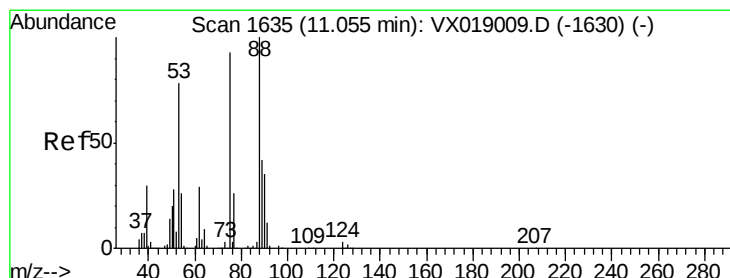
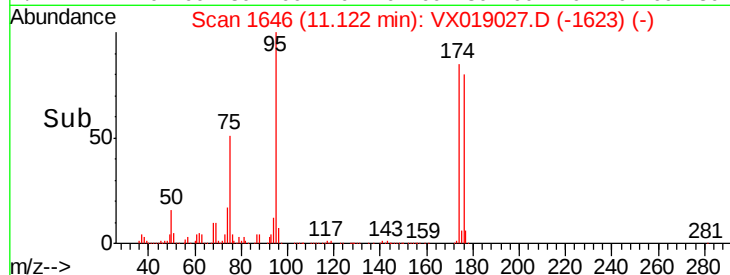
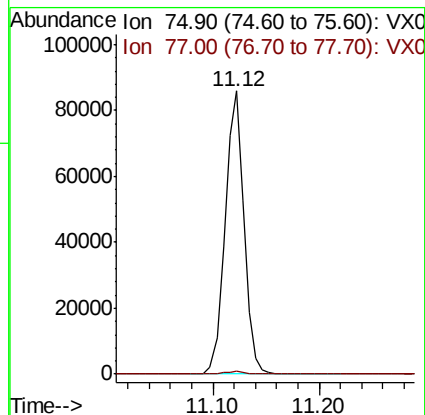
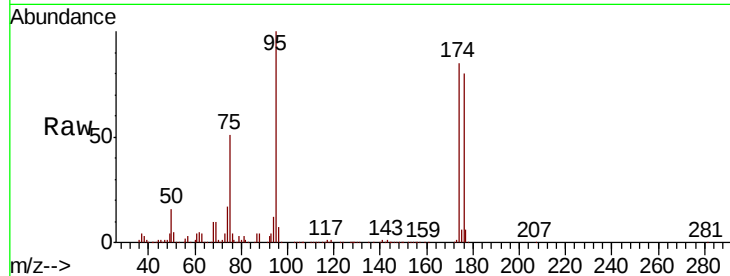
MW-13

Tot Ion: 75 Resp: 105758

Ion Ratio Lower Upper

75 100

77 1.1 20.7 62.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.424 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019027.D

Acq: 22 Oct 2020 15:15

Tgt Ion: 75 Resp: 105758

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#

