

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054269.D
 Acq On : 14 Mar 2019 18:31
 Operator : JC/SP
 Sample : K1898-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Mar 15 07:57:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1452184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2377532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2443891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1016247	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	749647	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
35) Dibromofluoromethane	7.59	113	731061	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
50) Toluene-d8	10.09	98	2913021	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.40	95	1090823	55.05	ug/l	0.00
Spiked Amount			Recovery	=	110.10%	

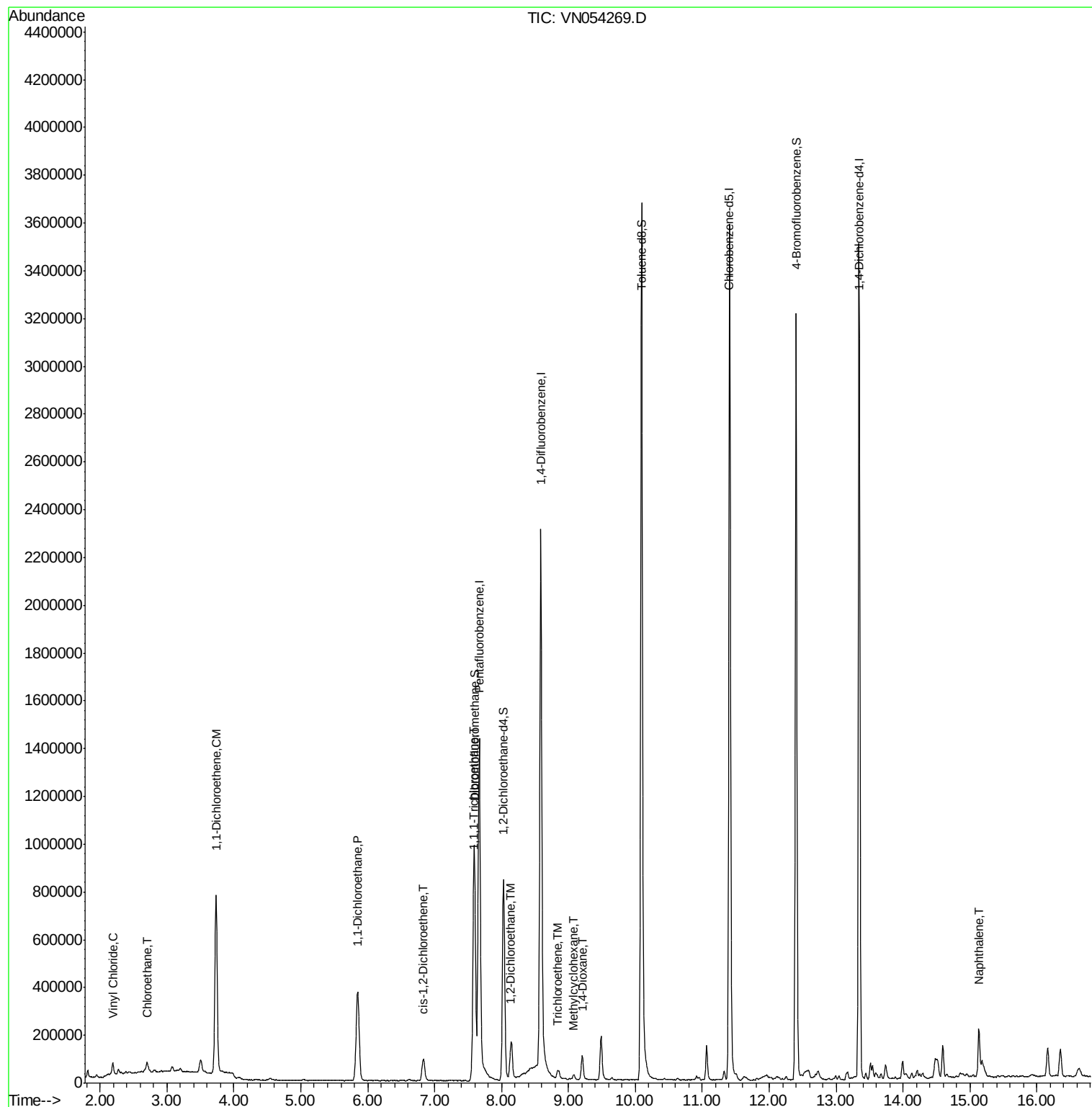
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	41706	2.729	ug/l	97
6) Chloroethane	2.71	64	20624	2.231	ug/l	94
12) 1,1-Dichloroethene	3.73	96	431422	28.596	ug/l	96
24) 1,1-Dichloroethane	5.85	63	574875	23.176	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	65120	4.038	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	48782	2.087	ug/l	100
39) Methylcyclohexane	9.09	83	10049	0.373	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	29105	1.376	ug/l	92
44) Trichloroethene	8.83	130	10496	0.539	ug/l	99
49) 1,4-Dioxane	9.21	88	86844	547.862	ug/l #	95
95) Naphthalene	15.13	128	192104	7.481	ug/l	98

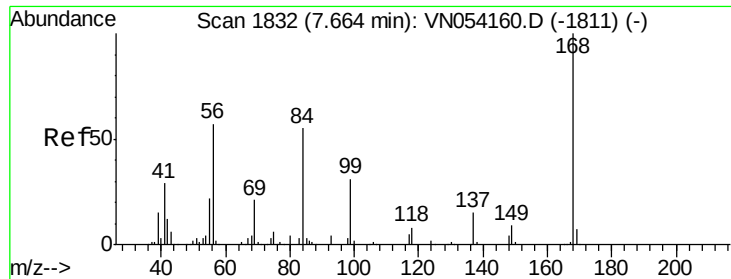
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
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Quant Time: Mar 15 07:57:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054269.D

Acq: 14 Mar 2019 18:31

Instrument :

MSVOA_N

ClientSampled :

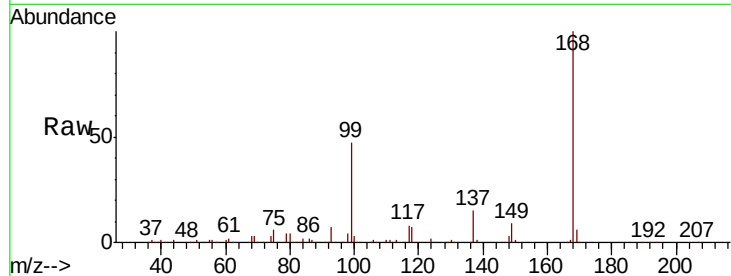
MW-2

Tgt Ion:168 Resp: 1452184

Ion Ratio Lower Upper

168 100

99 46.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

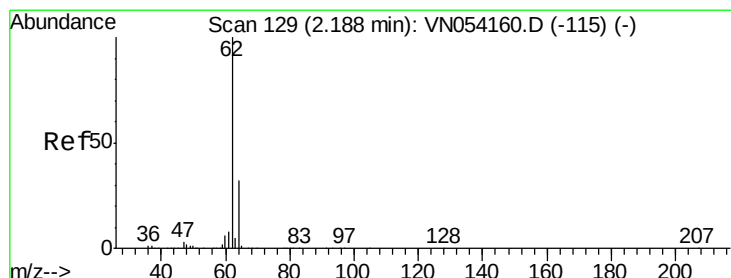
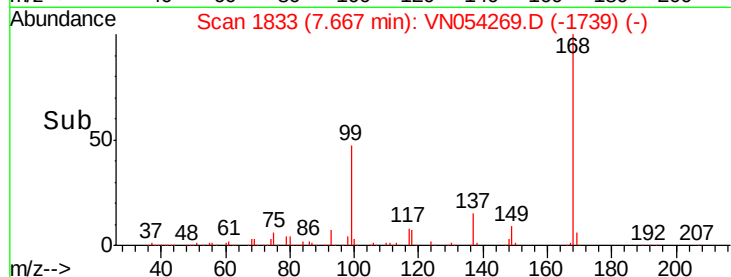
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#4

Vinyl Chloride

Concen: 2.729 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054269.D

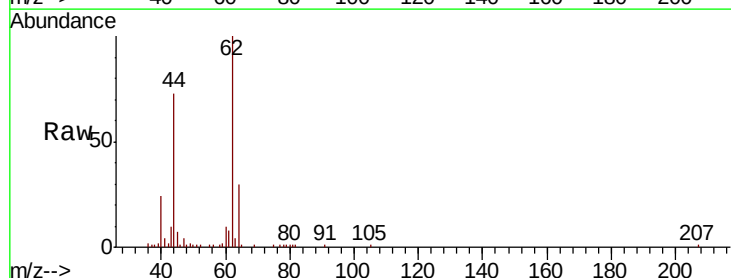
Acq: 14 Mar 2019 18:31

Tgt Ion: 62 Resp: 41706

Ion Ratio Lower Upper

62 100

64 30.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2.19

30000

25000

20000

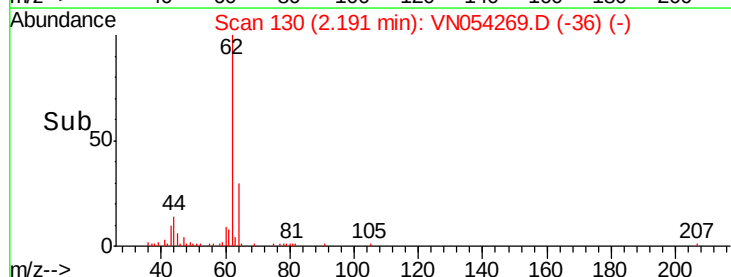
15000

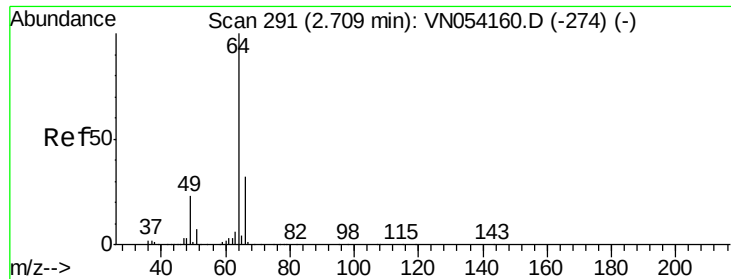
10000

5000

0

Time--> 2.15 2.20 2.25





#6

Chloroethane

Concen: 2.231 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054269.D

Acq: 14 Mar 2019 18:31

Instrument :

MSVOA_N

ClientSampled :

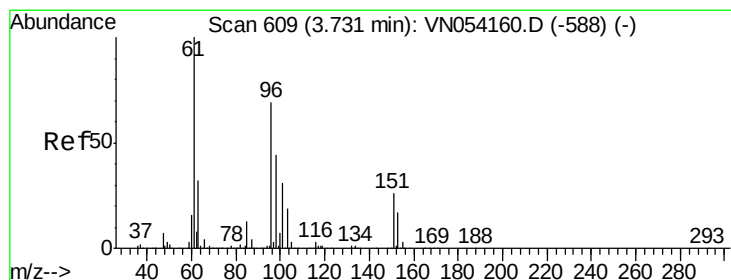
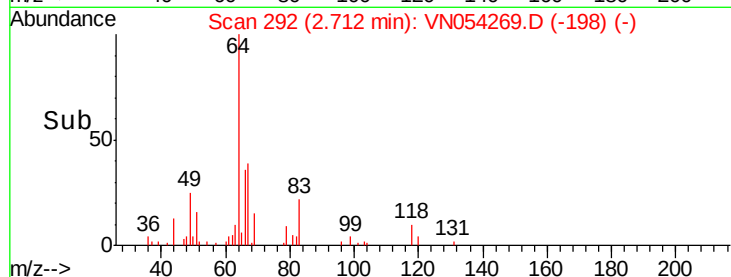
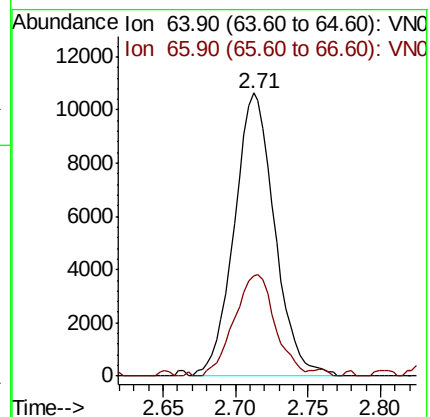
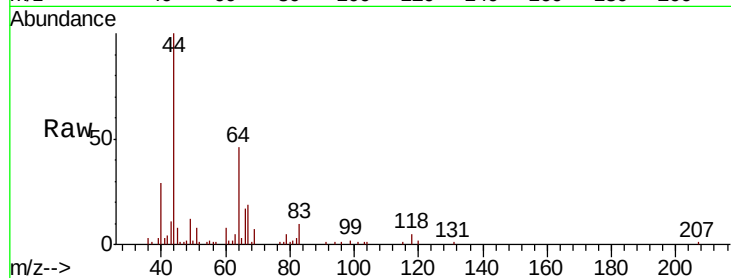
MW-2

Tgt Ion: 64 Resp: 20624

Ion Ratio Lower Upper

64 100

66 35.6 25.7 38.5



#12

1,1-Dichloroethene

Concen: 28.596 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN054269.D

Acq: 14 Mar 2019 18:31

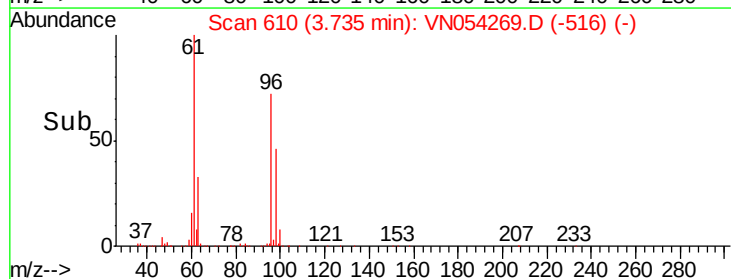
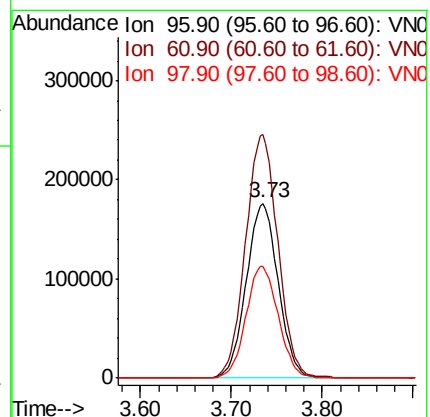
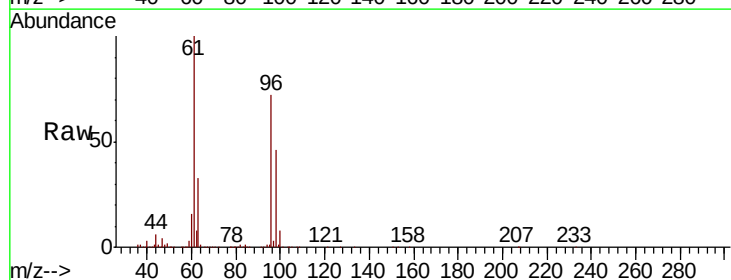
Tgt Ion: 96 Resp: 431422

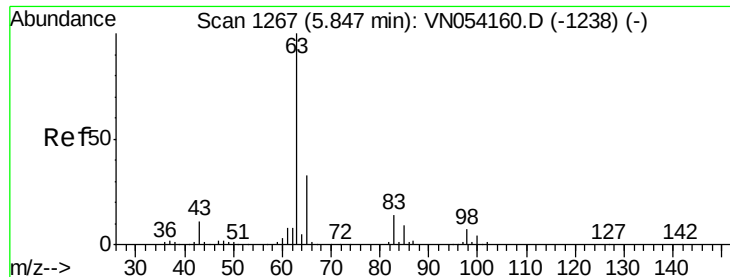
Ion Ratio Lower Upper

96 100

61 139.3 116.5 174.7

98 63.9 51.0 76.4

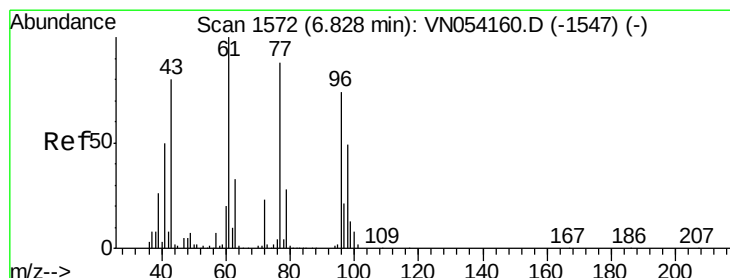
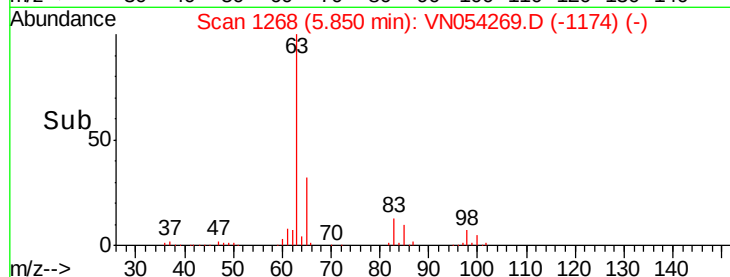
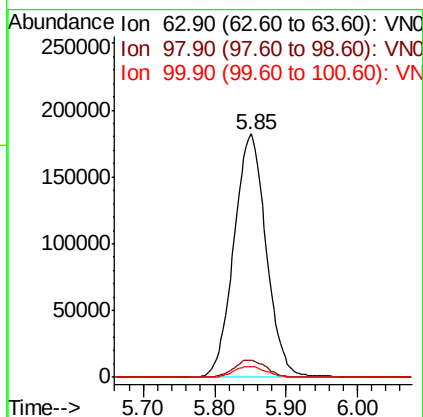
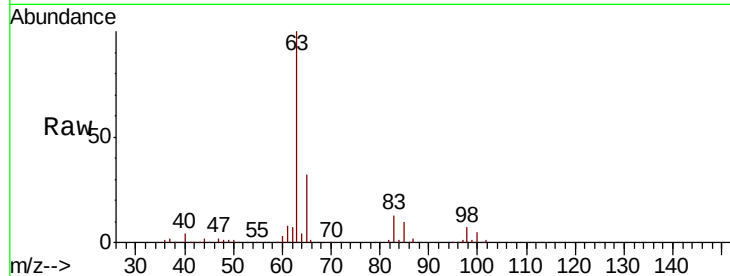




#24
 1,1-Dichloroethane
 Concen: 23.176 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054269.D
 Acq: 14 Mar 2019 18:31

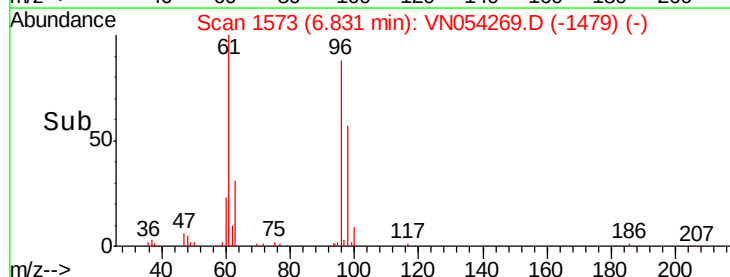
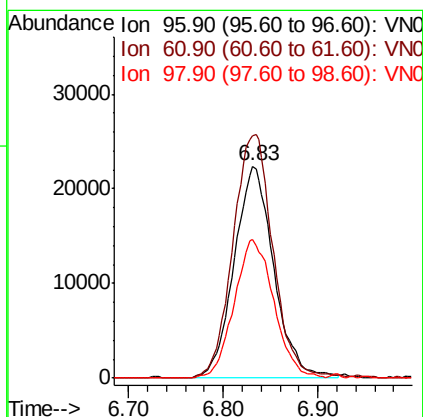
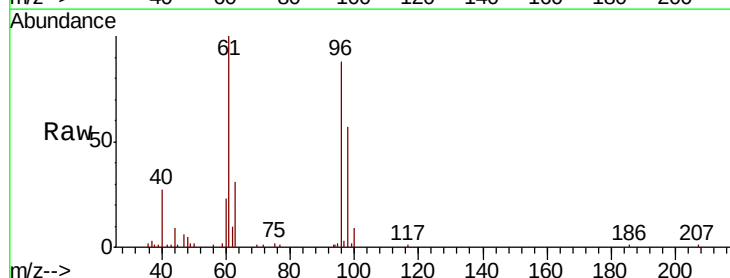
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

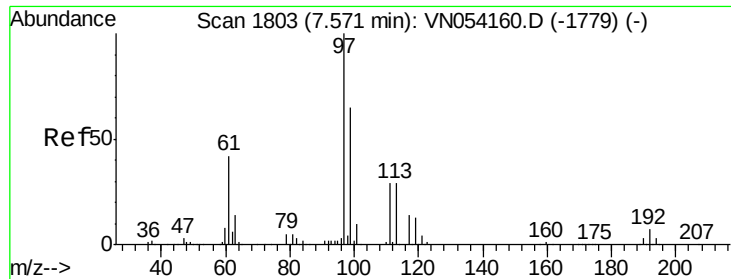
Tgt Ion: 63 Resp: 574875
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.5
 100 4.6 2.0 6.0



#27
 cis-1,2-Dichloroethene
 Concen: 4.038 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN054269.D
 Acq: 14 Mar 2019 18:31

Tgt Ion: 96 Resp: 65120
 Ion Ratio Lower Upper
 96 100
 61 116.7 0.0 273.0
 98 65.2 0.0 130.6





#32

1,1,1-Trichloroethane

Concen: 2.087 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054269.D

Acq: 14 Mar 2019 18:31

Instrument :

MSVOA_N

ClientSampleId :

MW-2

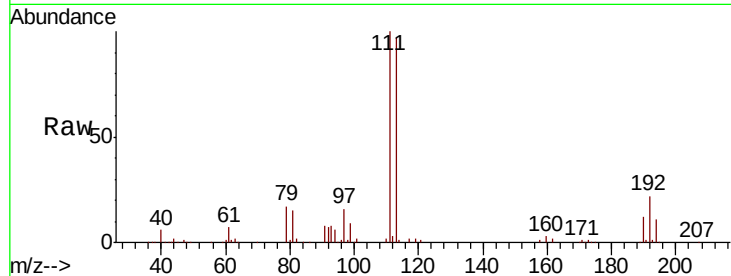
Tgt Ion: 97 Resp: 48782

Ion Ratio Lower Upper

97 100

99 64.9 51.5 77.3

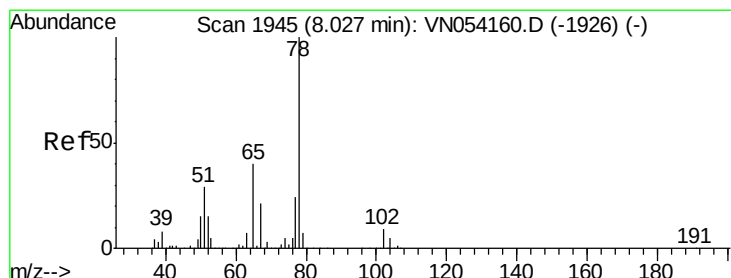
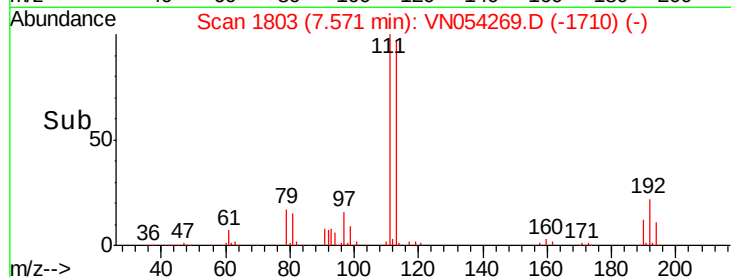
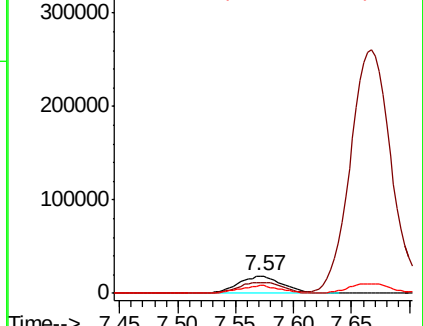
61 42.0 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.608 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054269.D

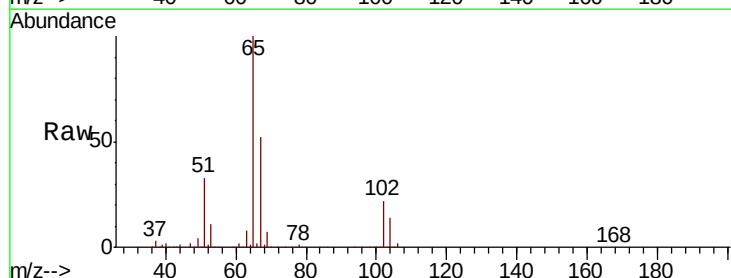
Acq: 14 Mar 2019 18:31

Tgt Ion: 65 Resp: 749647

Ion Ratio Lower Upper

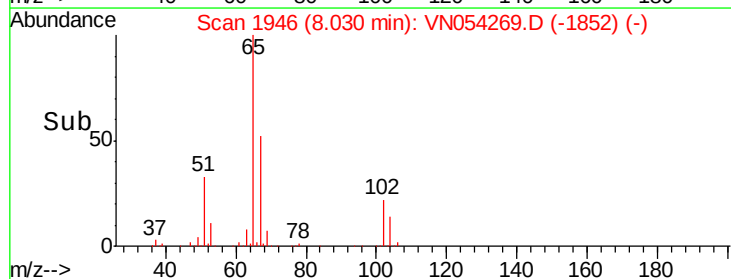
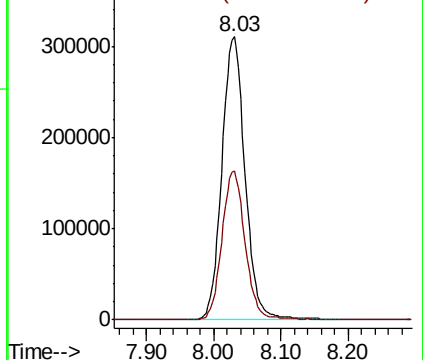
65 100

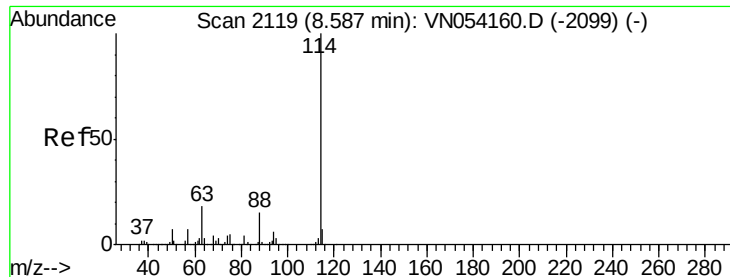
67 52.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

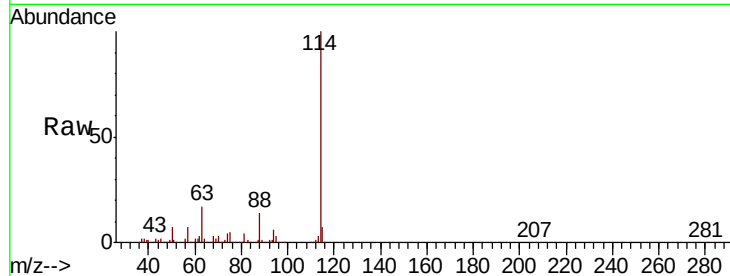




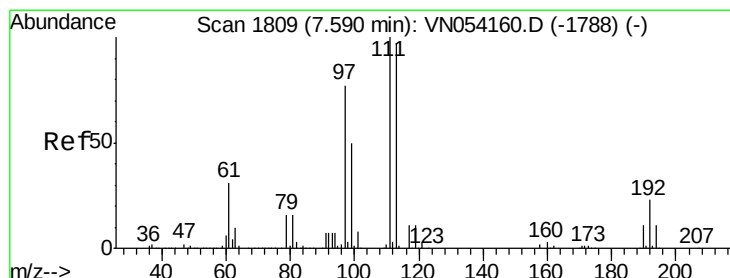
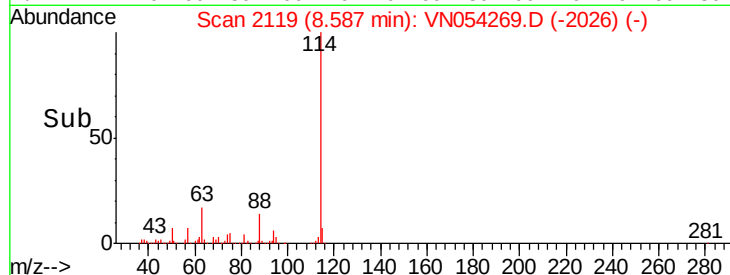
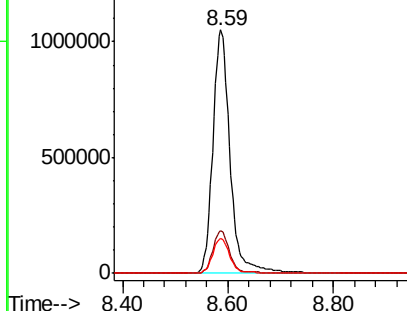
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054269.D
 Acq: 14 Mar 2019 18:31

Instrument :
 MSVOA_N
 ClientSampled :
 MW-2

Tgt Ion:114 Resp: 2377532
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 35.2
 88 14.2 0.0 30.2

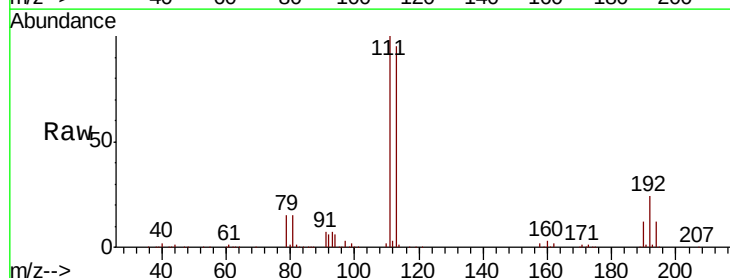


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

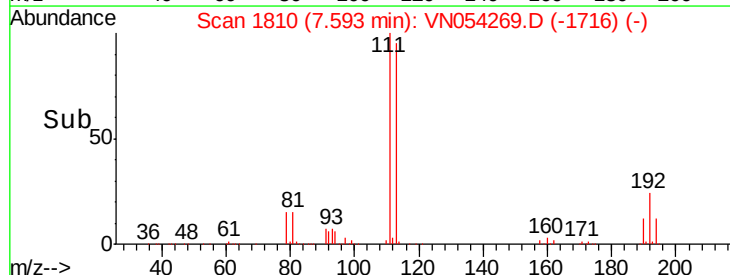
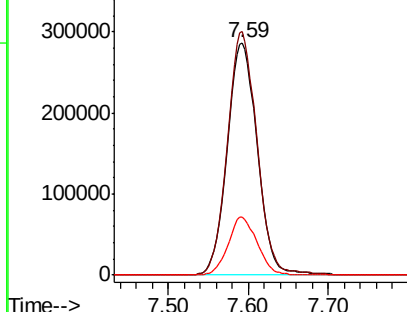


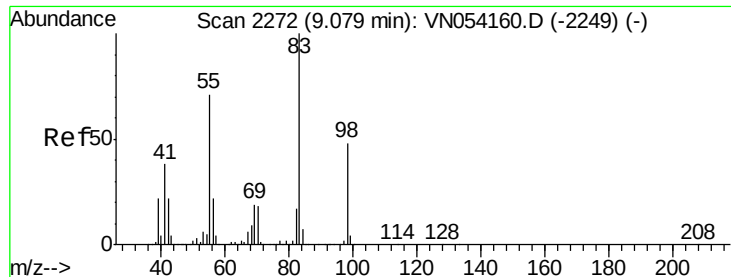
#35
 Dibromofluoromethane
 Concen: 47.675 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054269.D
 Acq: 14 Mar 2019 18:31

Tgt Ion:113 Resp: 731061
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.4
 192 24.2 19.2 28.8



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

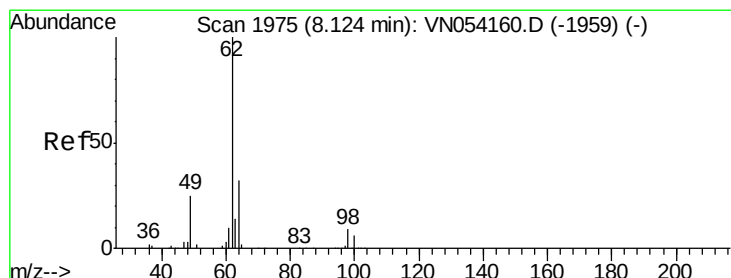
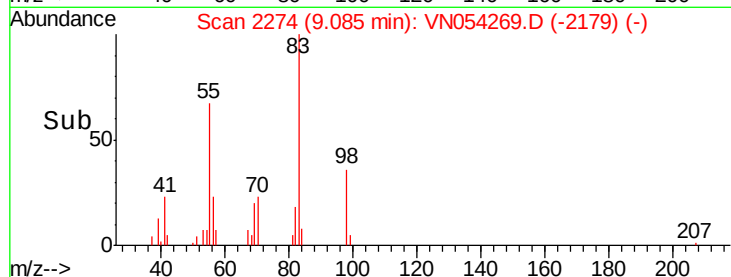
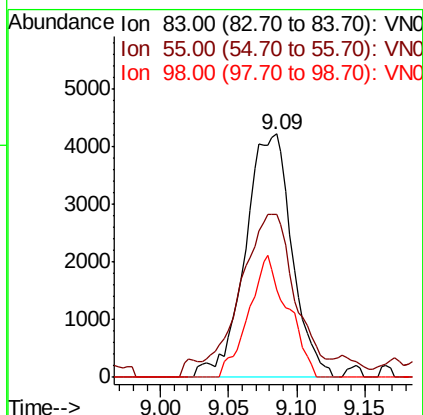
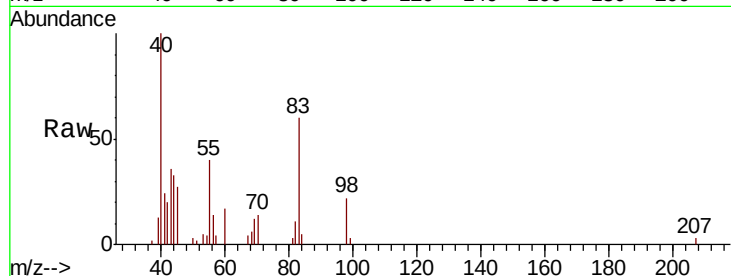




#39
Methylcyclohexane
Concen: 0.373 ug/l
RT: 9.09 min Scan# 2274
Delta R.T. 0.01 min
Lab File: VN054269.D
Acq: 14 Mar 2019 18:31

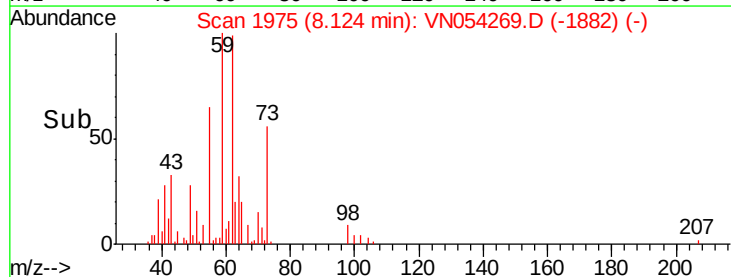
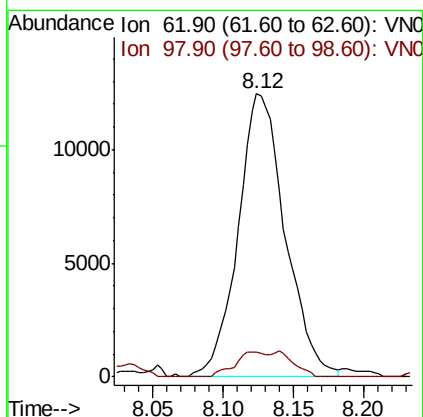
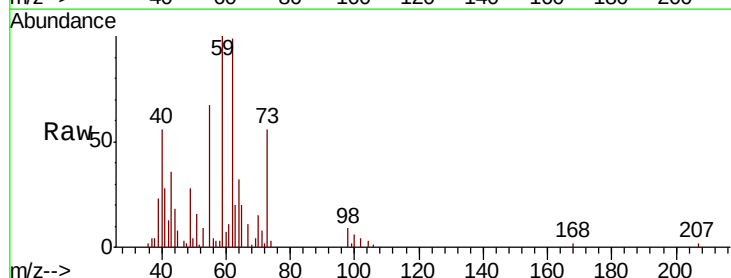
Instrument :
MSVOA_N
ClientSampled :
MW-2

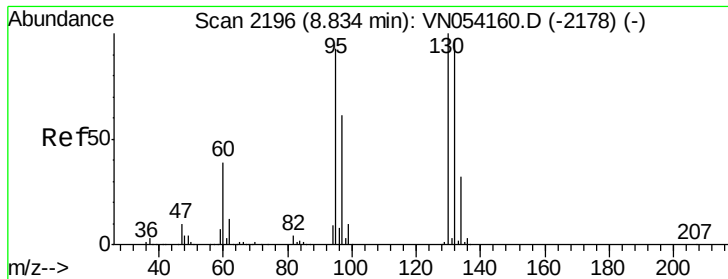
Tgt Ion: 83 Resp: 10049
Ion Ratio Lower Upper
83 100
55 59.0 56.6 84.8
98 36.1 38.4 57.6#



#42
1,2-Dichloroethane
Concen: 1.376 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054269.D
Acq: 14 Mar 2019 18:31

Tgt Ion: 62 Resp: 29105
Ion Ratio Lower Upper
62 100
98 6.4 0.0 18.4





#44

Trichloroethene

Concen: 0.539 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054269.D

Acq: 14 Mar 2019 18:31

Instrument :

MSVOA_N

ClientSampled :

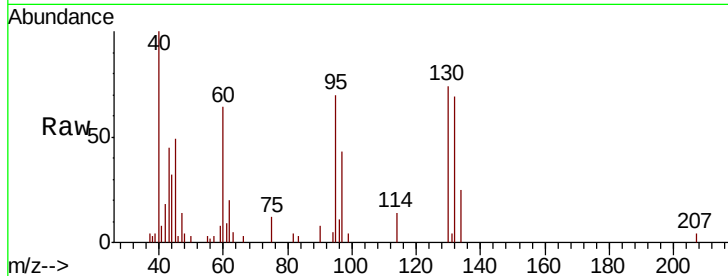
MW-2

Tgt Ion:130 Resp: 10496

Ion Ratio Lower Upper

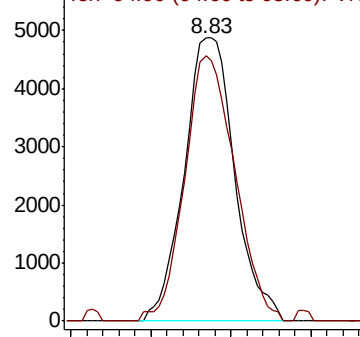
130 100

95 94.0 0.0 185.2

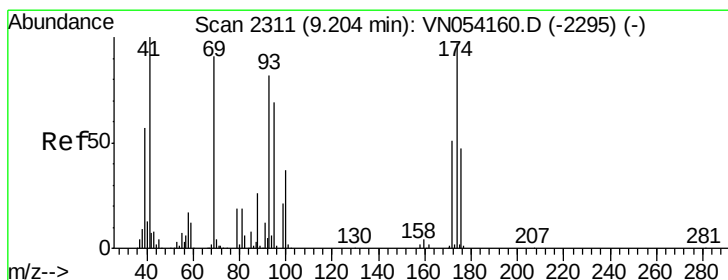
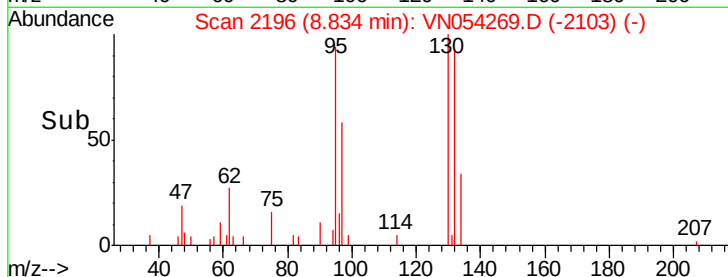


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



Time--> 8.75 8.80 8.85 8.90



#49

1,4-Dioxane

Concen: 547.862 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054269.D

Acq: 14 Mar 2019 18:31

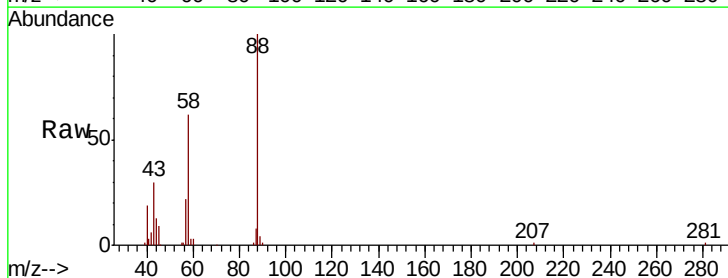
Tgt Ion: 88 Resp: 86844

Ion Ratio Lower Upper

88 100

43 23.4 24.1 36.1#

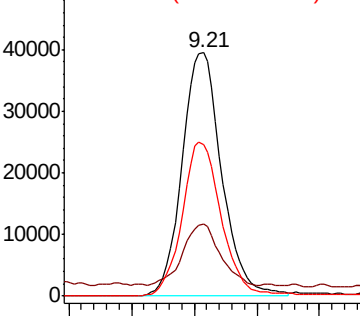
58 61.9 50.8 76.2



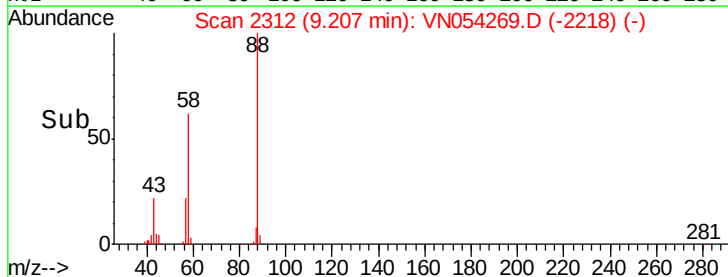
Abundance Ion 88.00 (87.70 to 88.70): VN

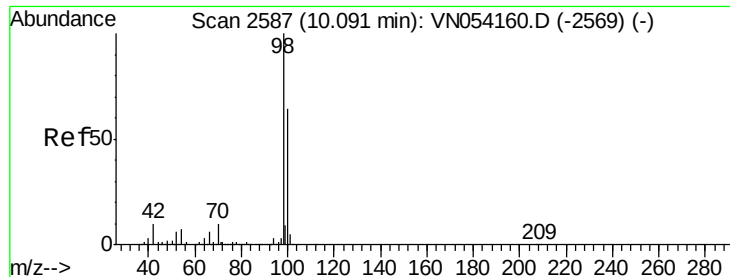
Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN



Time--> 9.10 9.15 9.20 9.25 9.30





#50

Toluene-d8

Concen: 51.439 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054269.D

Acq: 14 Mar 2019 18:31

Instrument :

MSVOA_N

ClientSampleId :

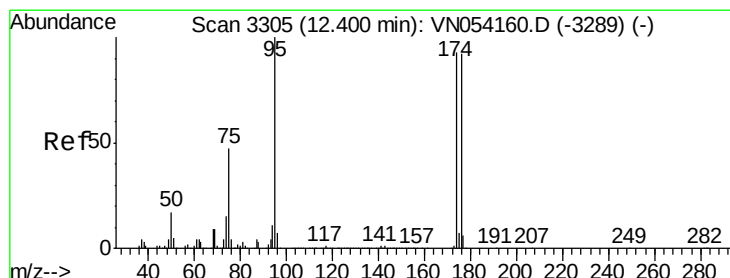
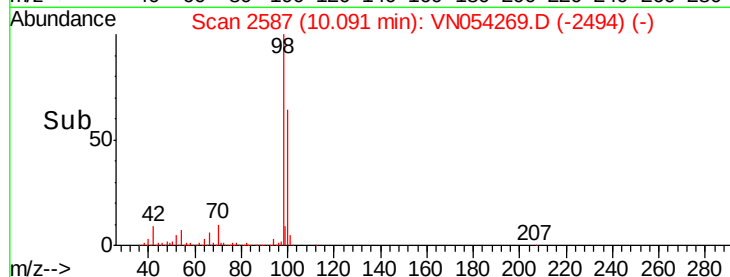
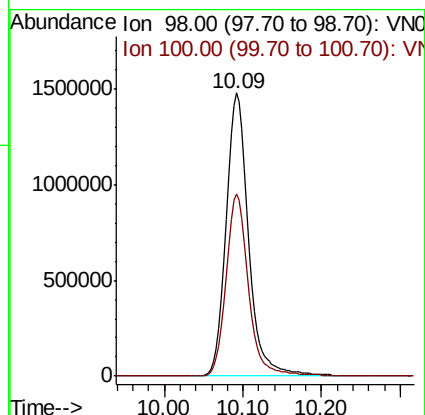
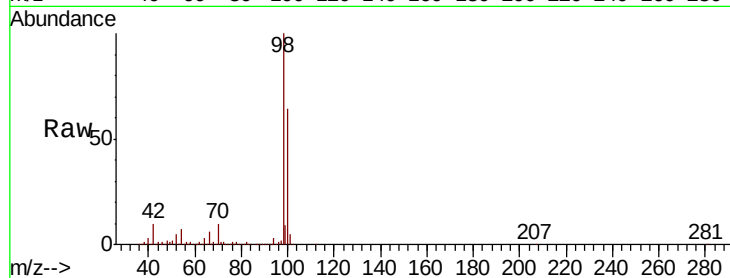
MW-2

Tgt Ion: 98 Resp: 2913021

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 55.050 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054269.D

Acq: 14 Mar 2019 18:31

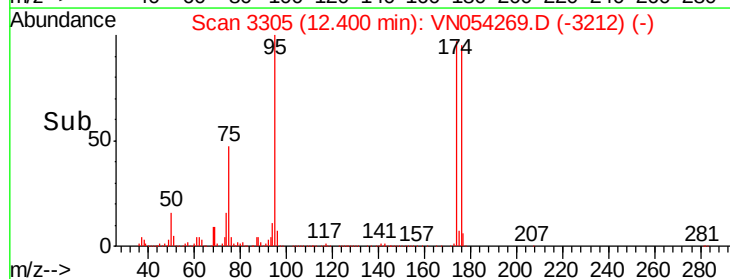
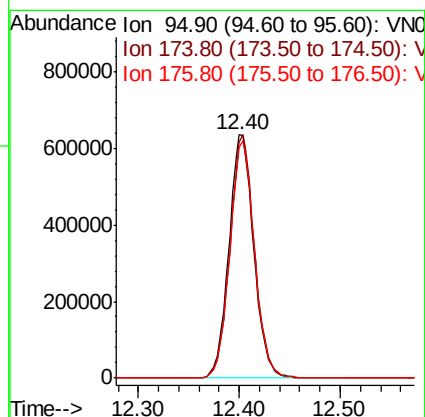
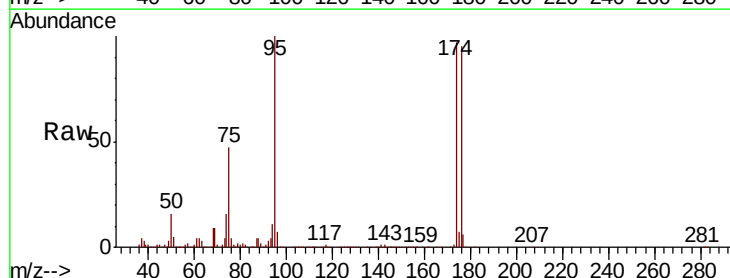
Tgt Ion: 95 Resp: 1090823

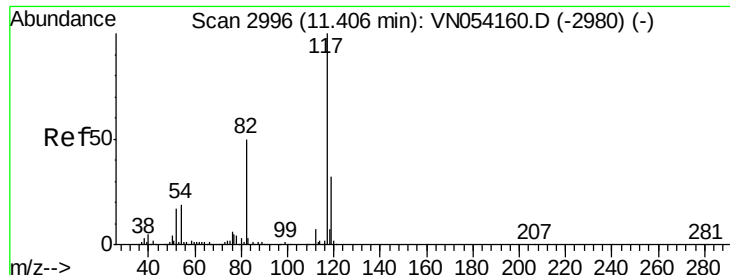
Ion Ratio Lower Upper

95 100

174 98.5 0.0 191.0

176 96.5 0.0 187.4

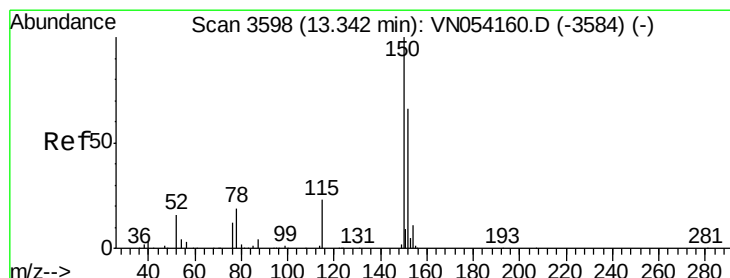
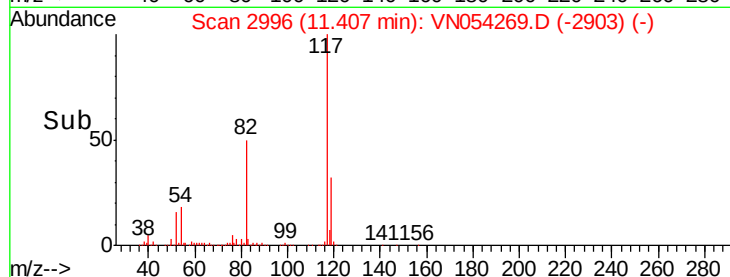
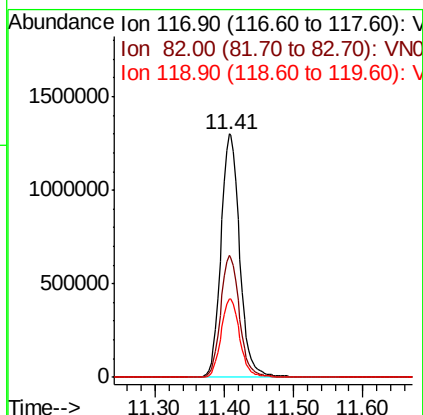
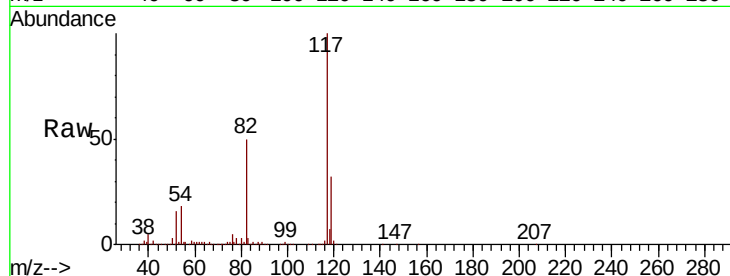




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054269.D
Acq: 14 Mar 2019 18:31

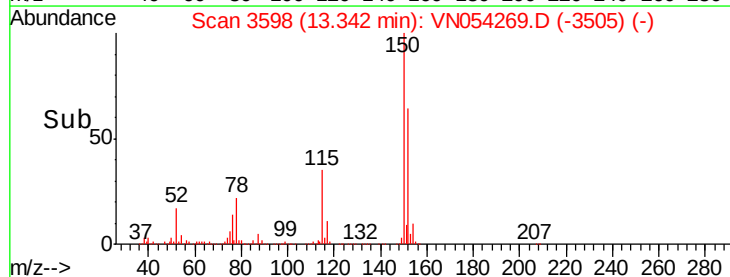
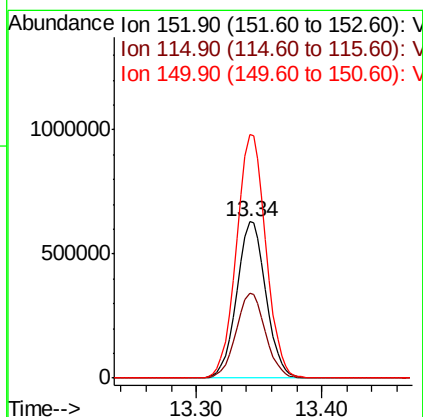
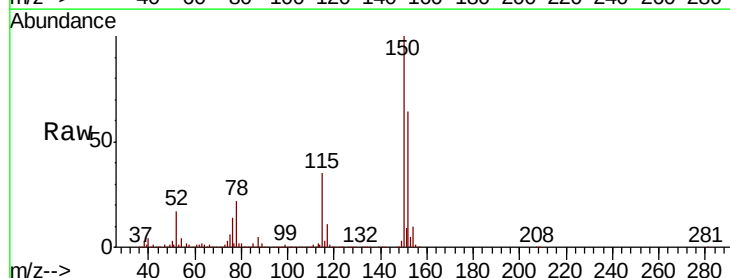
Instrument :
MSVOA_N
ClientSampleId :
MW-2

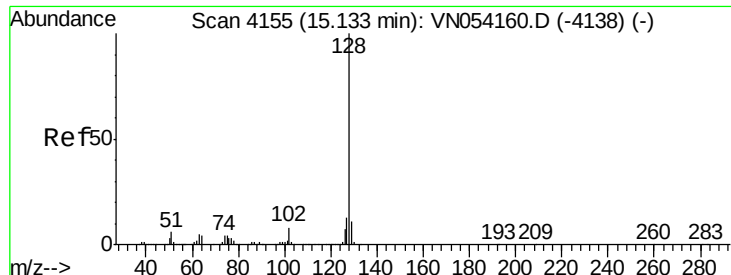
Tgt Ion:117 Resp: 2443891
Ion Ratio Lower Upper
117 100
82 50.2 40.0 60.0
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054269.D
Acq: 14 Mar 2019 18:31

Tgt Ion:152 Resp: 1016247
Ion Ratio Lower Upper
152 100
115 54.6 27.2 81.6
150 157.2 0.0 349.2

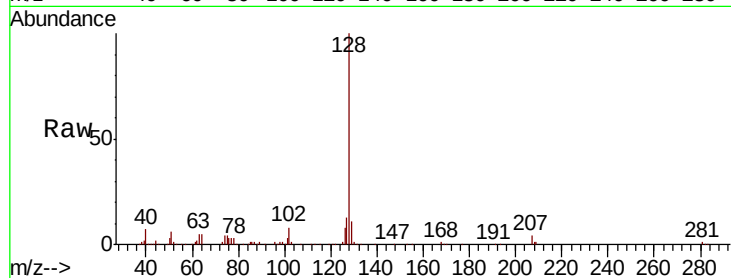




#95
Naphthalene
Concen: 7.481 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054269.D
Acq: 14 Mar 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.1	15.1
129	11.5	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

