

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055738.D
 Acq On : 23 May 2019 00:02
 Operator : JC/SP
 Sample : K2965-02 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Quant Time: May 23 06:05:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	56938	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	299898	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	241095	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	111630	29.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.97%
60) 4-Bromofluorobenzene	12.40	95	92746	24.73	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	82.43%
63) Toluene-d8	10.09	98	349883	31.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.87%

Target Compounds

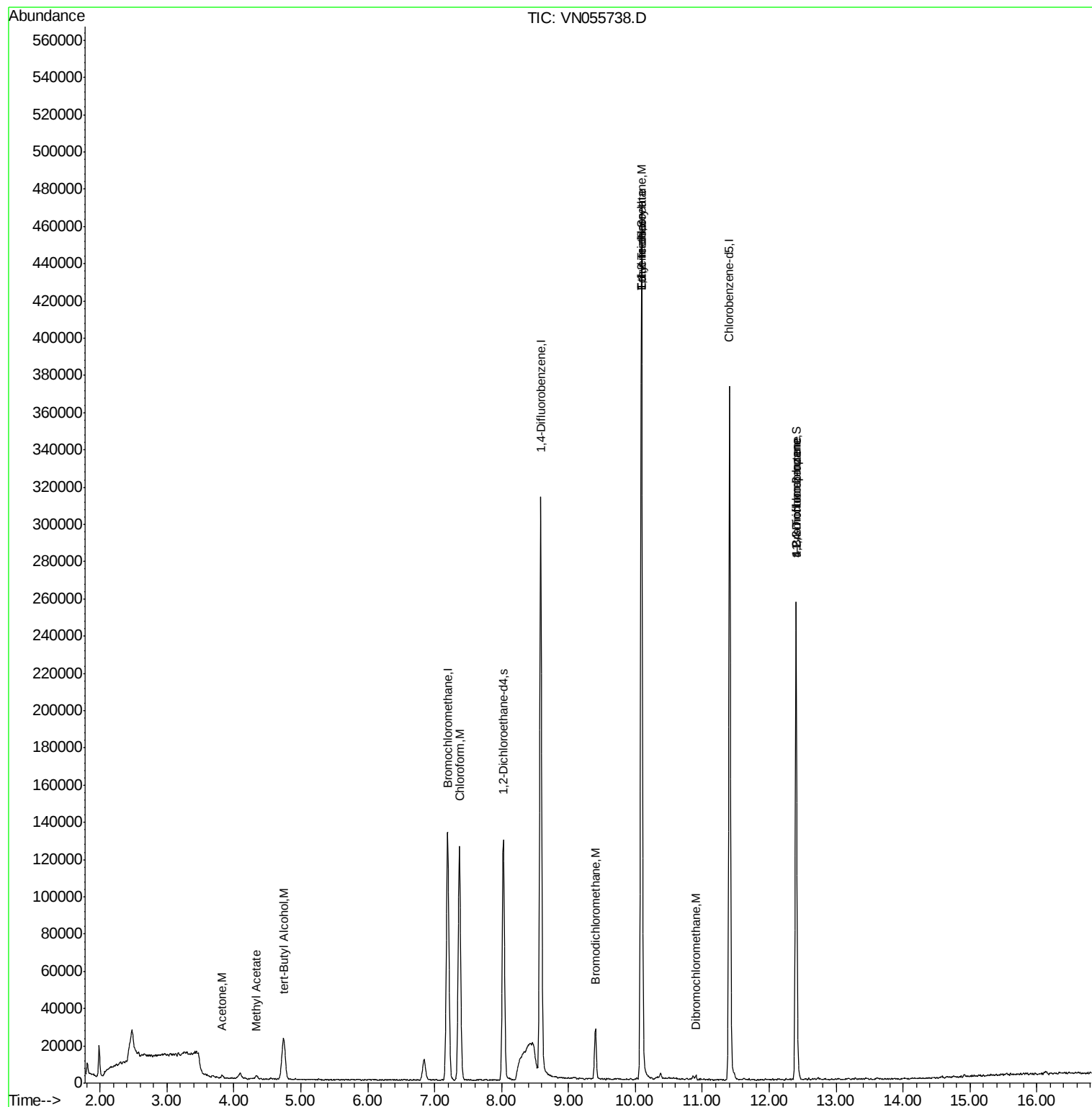
					Ovalue
12) Methyl Acetate	4.33	43	1364	0.371 ug/l #	74
15) Acetone	3.81	58	155	0.298 ug/l #	5
23) tert-Butyl Alcohol	4.74	59	20930	28.439 ug/l #	100
25) Chloroform	7.37	83	135699	23.152 ug/l	98
41) Bromodichloromethane	9.40	83	19156	4.154 ug/l	99
50) 1,1,2-Trichloroethane	10.10	97	10680	3.261 ug/l #	1
51) Ethyl methacrylate	10.09	69	1146	0.217 ug/l	89
53) Dibromochloromethane	10.90	129	1586	0.410 ug/l	86
72) 1,2,3-Trichloropropane	12.40	75	43535	11.797 ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	43535	29.698 ug/l #	17

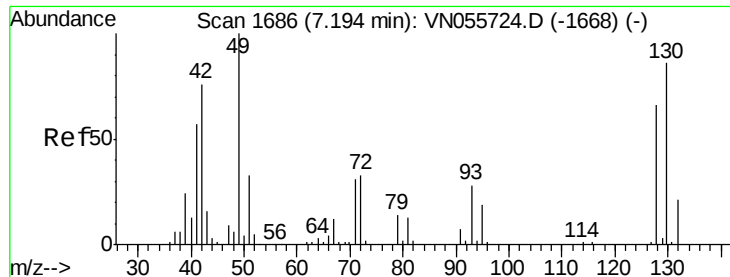
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052219\
Data File : VN055738.D
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Sample : K2965-02 10X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
14B-2

Quant Time: May 23 06:05:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055738.D

Acq: 23 May 2019 00:02

Instrument :

MSVOA_N

ClientSampled :

14B-2

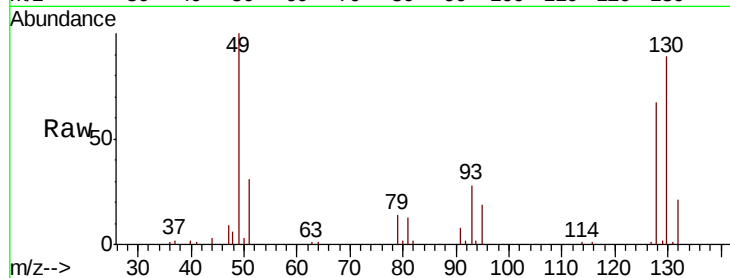
Tot Ion:128 Resp: 56938

Ion Ratio Lower Upper

128 100

49 146.9 0.0 383.2

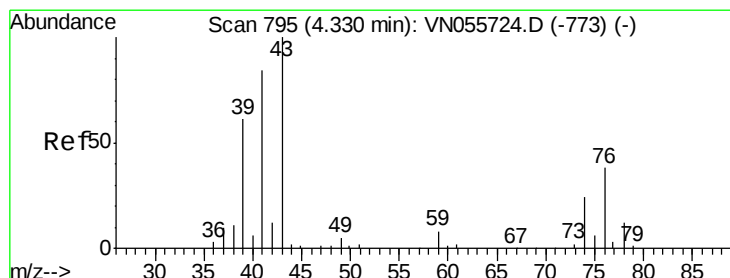
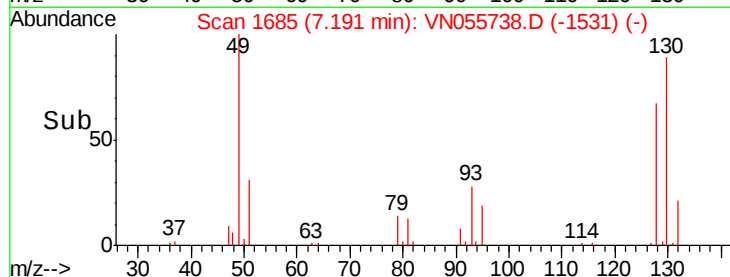
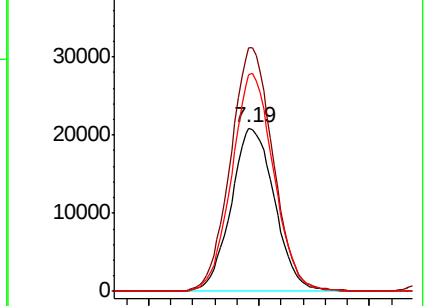
130 129.6 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#12

Methyl Acetate

Concen: 0.371 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN055738.D

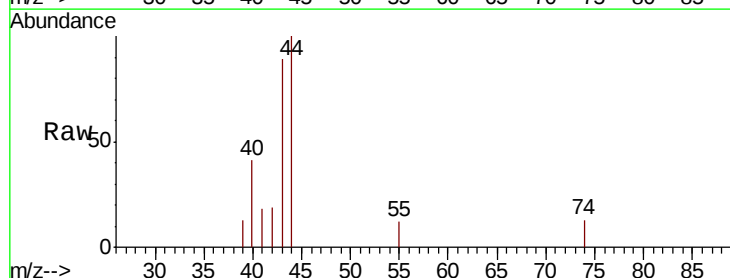
Acq: 23 May 2019 00:02

Tgt Ion: 43 Resp: 1364

Ion Ratio Lower Upper

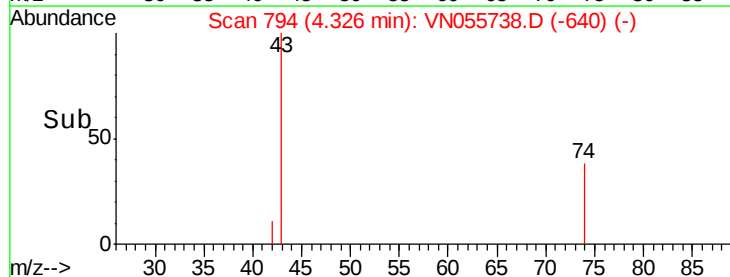
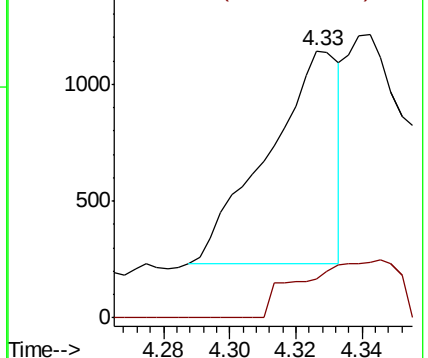
43 100

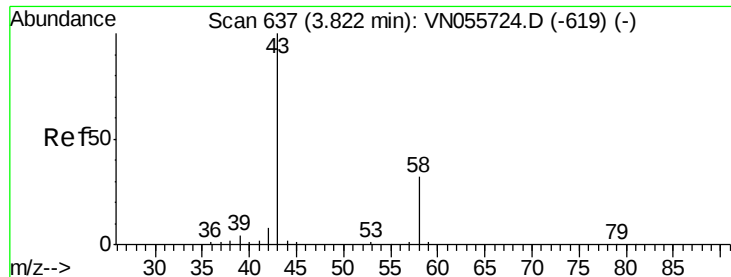
74 11.4 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 74.00 (73.70 to 74.70): VN

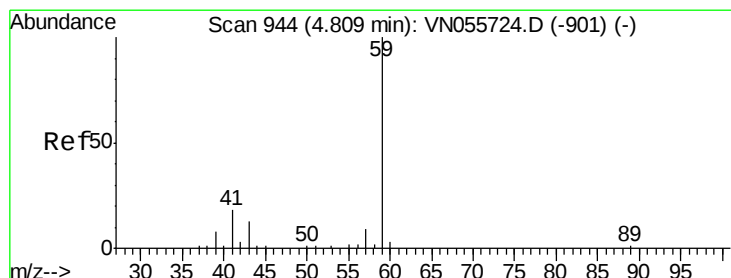
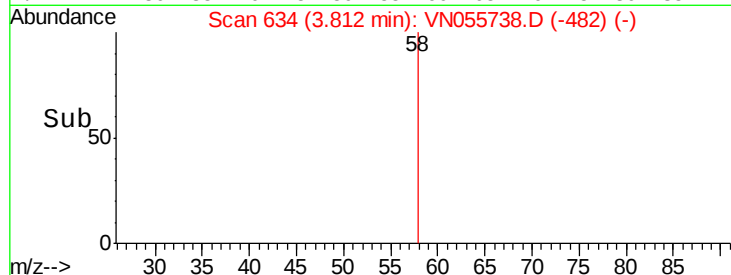
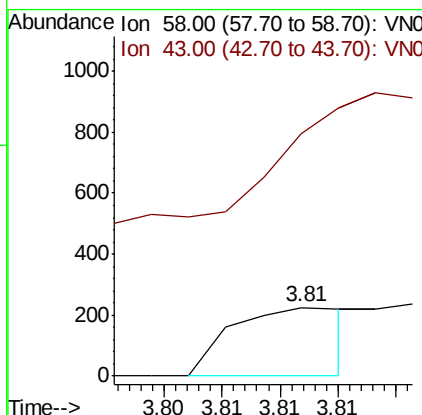
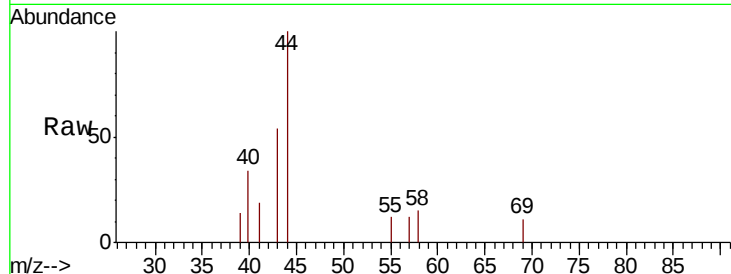




#15
 Acetone
 Concen: 0.298 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. -0.01 min
 Lab File: VN055738.D
 Acq: 23 May 2019 00:02

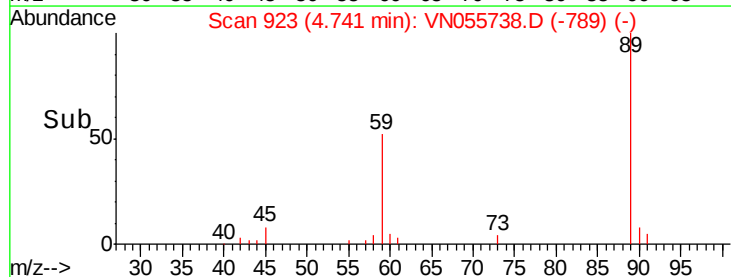
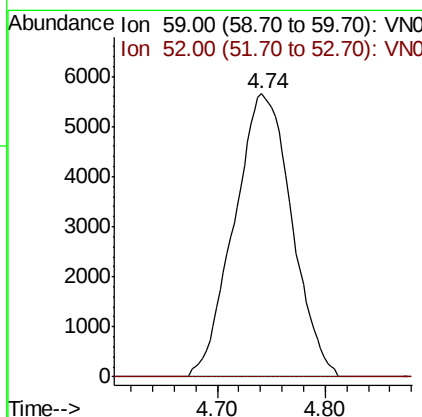
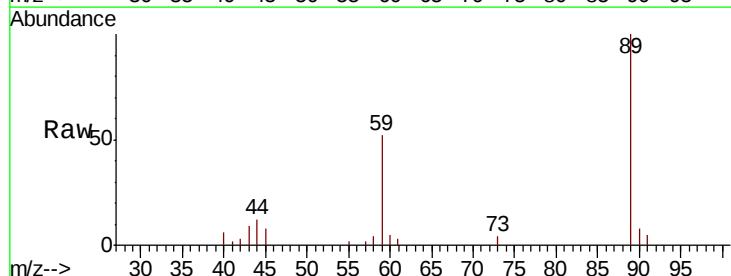
Instrument :
 MSVOA_N
 ClientSampled :
 14B-2

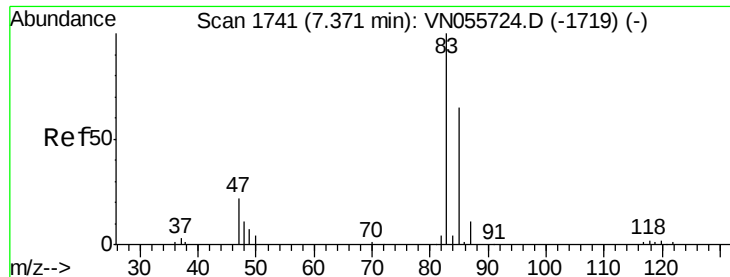
Tot Ion: 58 Resp: 155
 Ion Ratio Lower Upper
 58 100
 43 120.4 248.8 373.2#



#23
 tert-Butyl Alcohol
 Concen: 28.439 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.07 min
 Lab File: VN055738.D
 Acq: 23 May 2019 00:02

Tgt Ion: 59 Resp: 20930
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

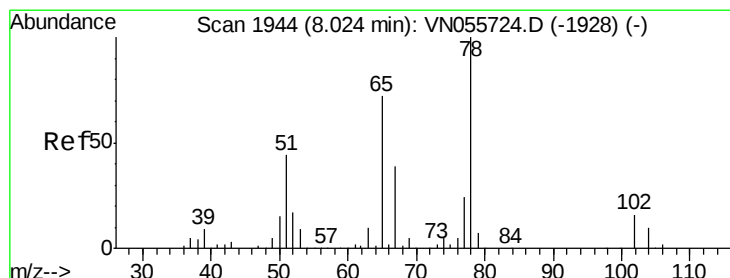
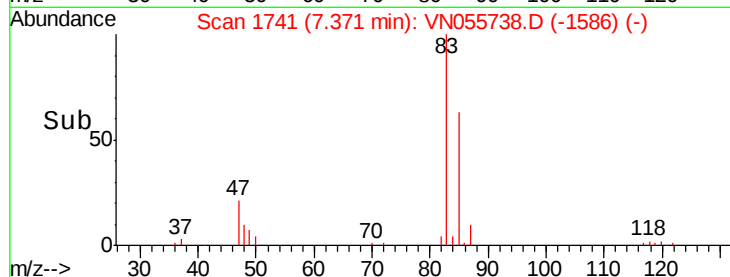
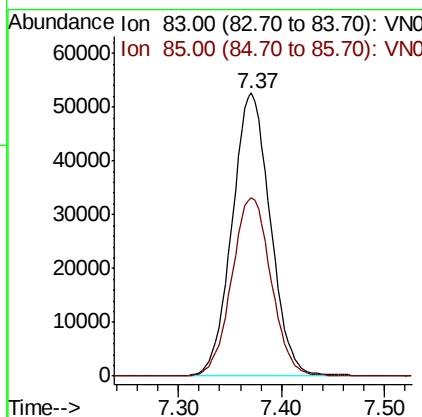
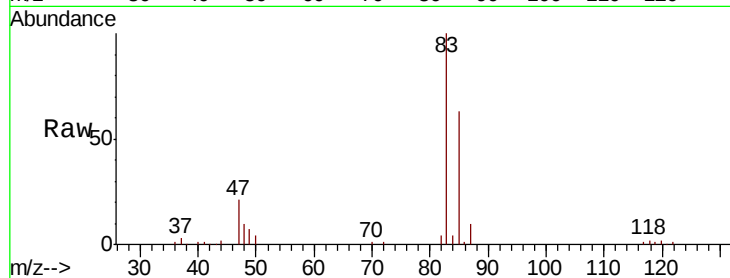




#25
Chloroform
Concen: 23.152 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055738.D
Acq: 23 May 2019 00:02

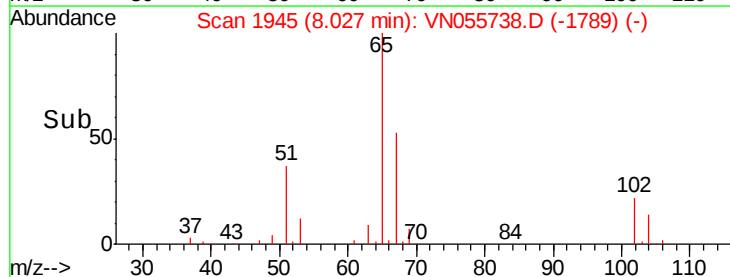
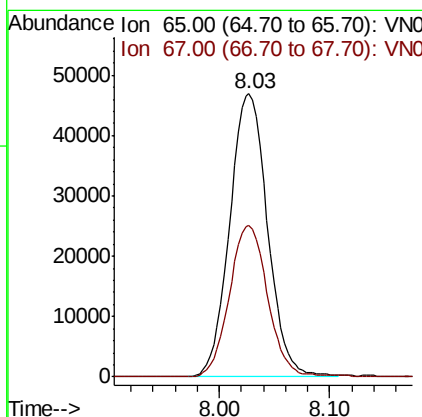
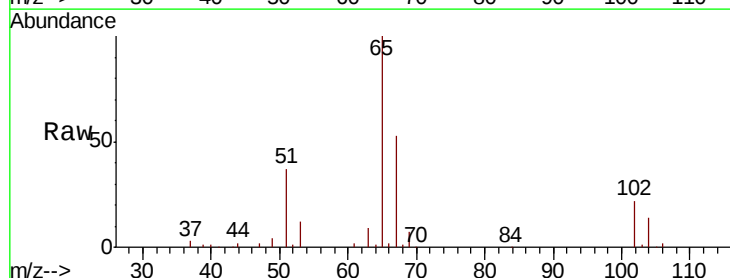
Instrument :
MSVOA_N
ClientSampled :
14B-2

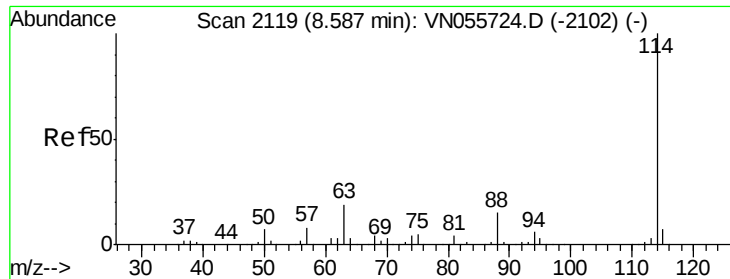
Tot Ion: 83 Resp: 135699
Ion Ratio Lower Upper
83 100
85 63.0 51.7 77.5



#27
1,2-Dichloroethane-d4
Concen: 29.995 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055738.D
Acq: 23 May 2019 00:02

Tgt Ion: 65 Resp: 111630
Ion Ratio Lower Upper
65 100
67 54.0 43.5 65.3

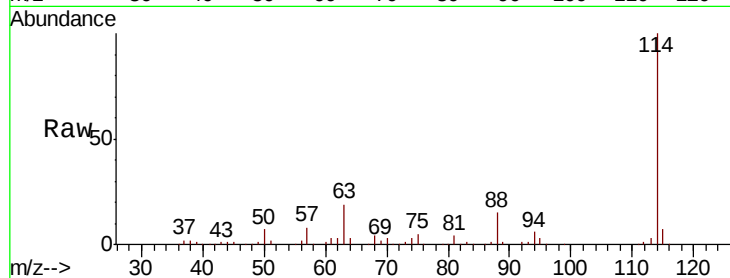




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055738.D
 Acq: 23 May 2019 00:02

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

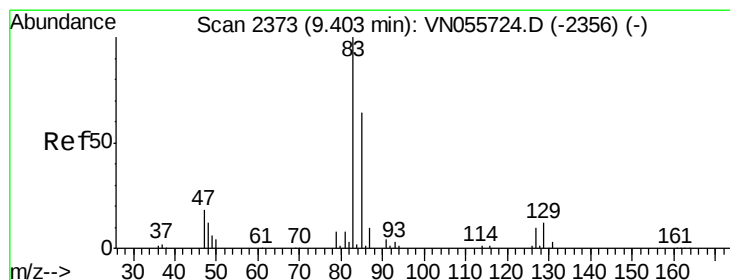
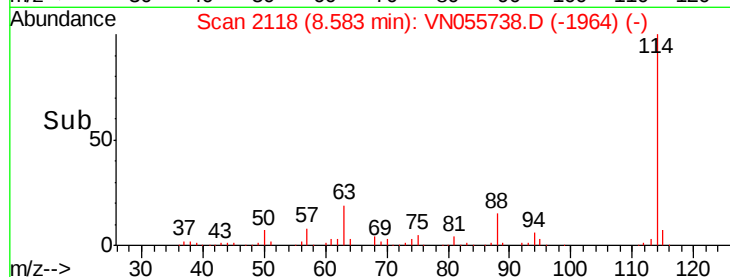
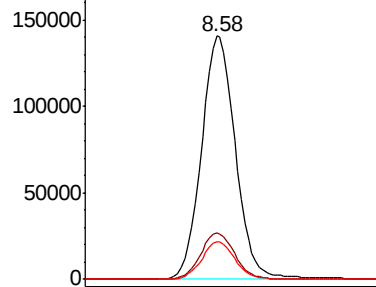
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	15.6	23.4
88	15.1	12.3	18.5



Abundance Ion 114.00 (113.70 to 114.70): VN055724.D (-2102) (-)

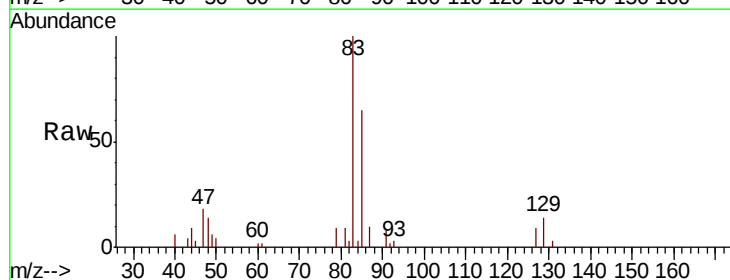
Ion 63.00 (62.70 to 63.70): VN055724.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN055724.D (-2102) (-)



#41
 Bromodichloromethane
 Concen: 4.154 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN055738.D
 Acq: 23 May 2019 00:02

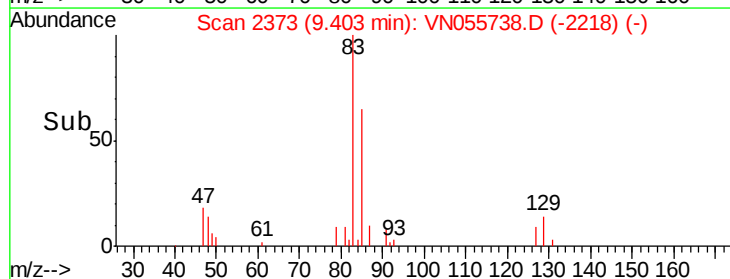
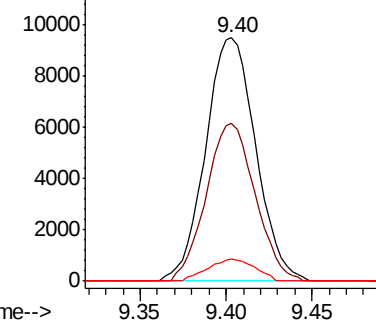
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.0
127	8.9	7.7	11.5

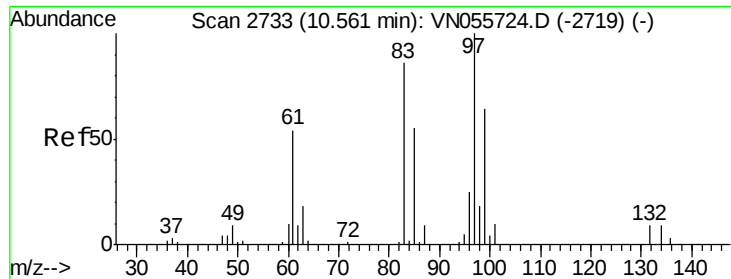


Abundance Ion 83.00 (82.70 to 83.70): VN055724.D (-2356) (-)

Ion 85.00 (84.70 to 85.70): VN055724.D (-2356) (-)

Ion 127.00 (126.70 to 127.70): VN055724.D (-2356) (-)

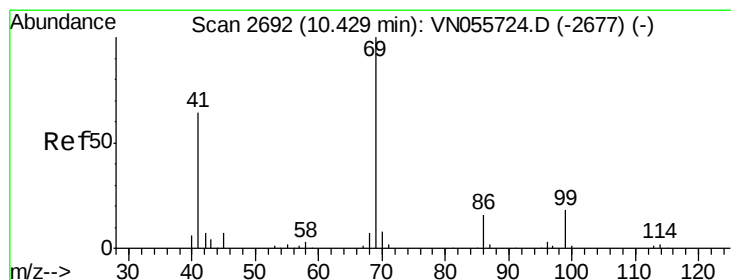
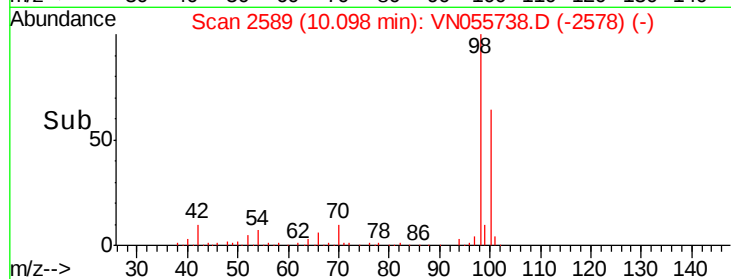
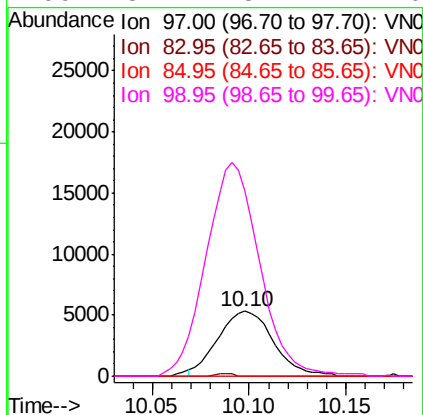
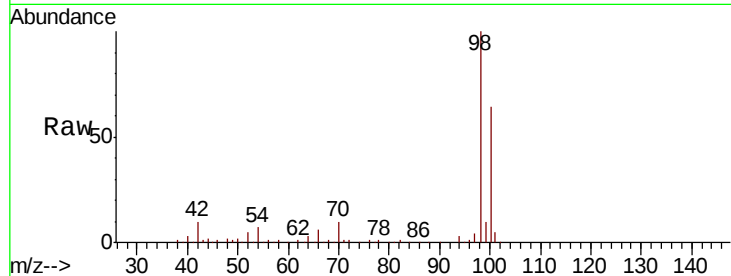




#50
 1,1,2-Trichloroethane
 Concen: 3.261 ug/l
 RT: 10.10 min Scan# 2589
 Delta R.T. -0.46 min
 Lab File: VN055738.D
 Acq: 23 May 2019 00:02

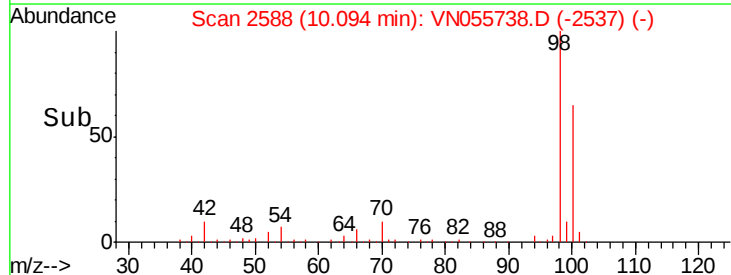
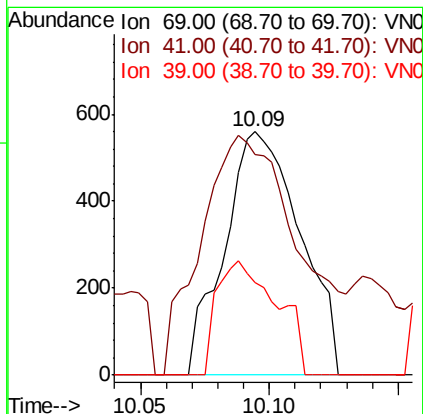
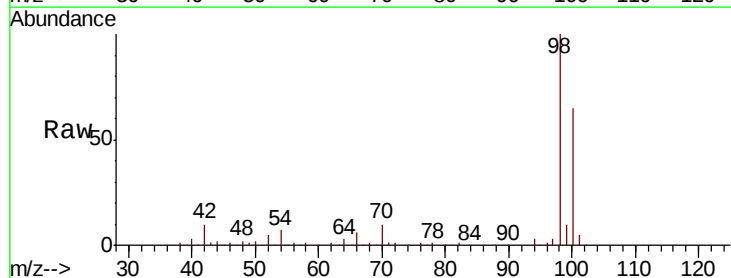
Instrument :
 MSVOA_N
 ClientSampled :
 14B-2

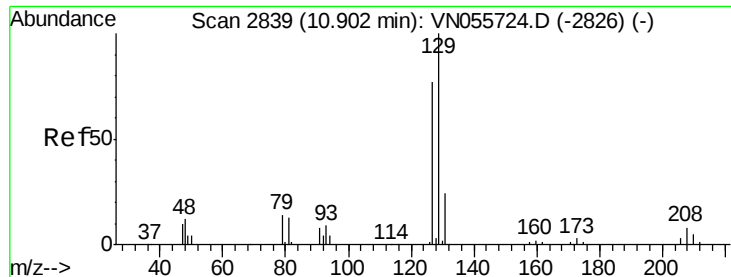
Tot Ion: 97 Resp: 10680
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.9 103.3#
 85 0.0 44.3 66.5#
 99 281.7 51.4 77.0#



#51
 Ethyl methacrylate
 Concen: 0.217 ug/l
 RT: 10.09 min Scan# 2588
 Delta R.T. -0.33 min
 Lab File: VN055738.D
 Acq: 23 May 2019 00:02

Tgt Ion: 69 Resp: 1146
 Ion Ratio Lower Upper
 69 100
 41 56.3 31.9 95.7
 39 38.2 15.7 47.0

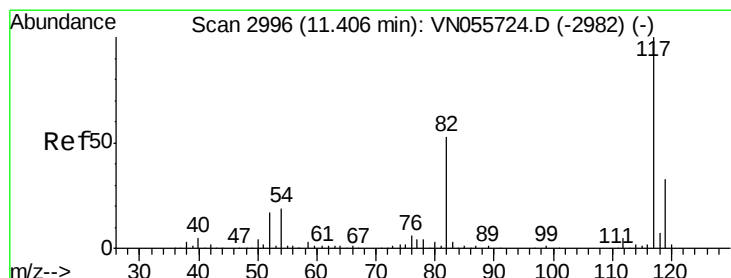
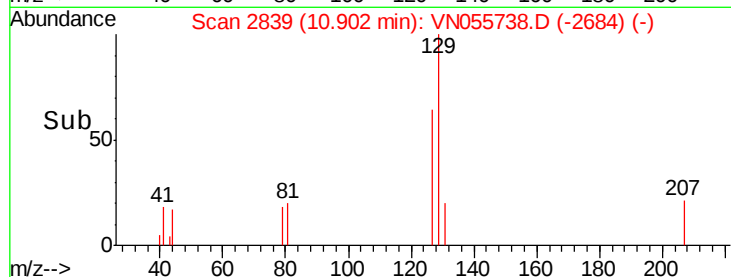
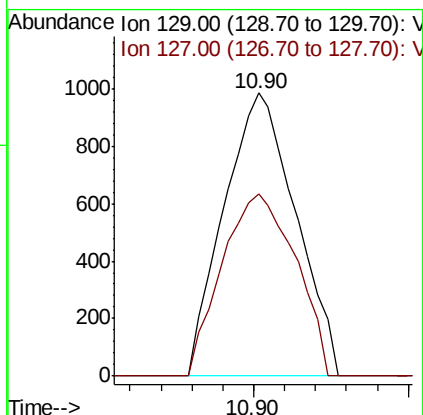
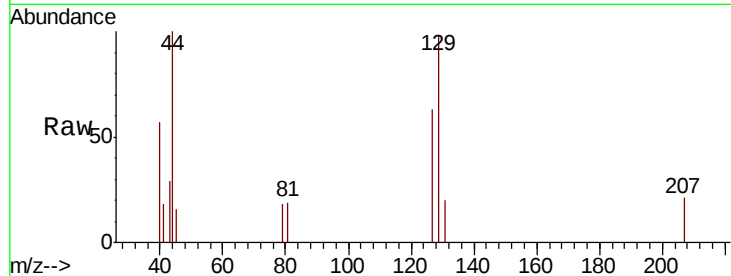




#53
Dibromochloromethane
Concen: 0.410 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055738.D
Acq: 23 May 2019 00:02

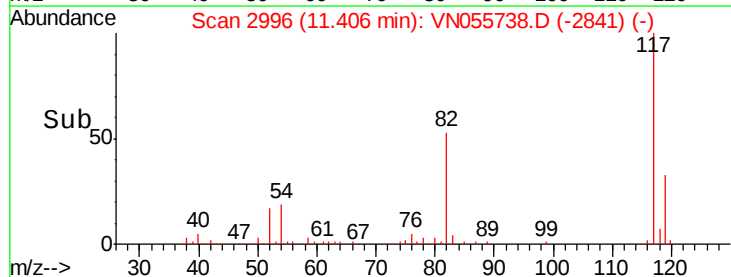
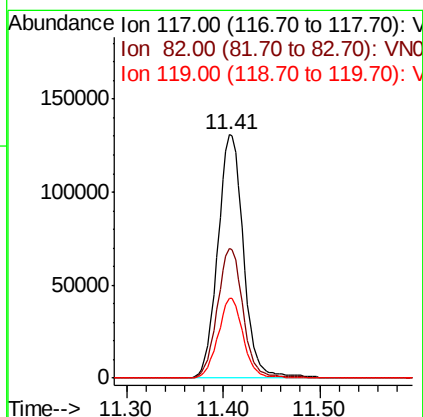
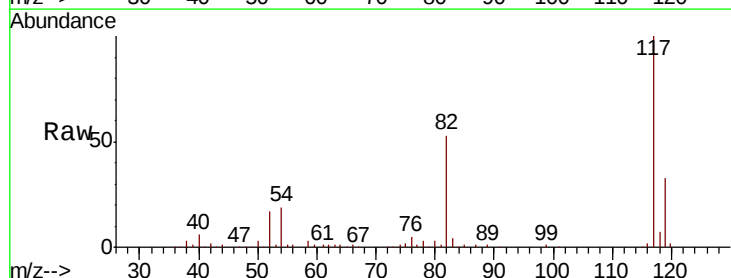
Instrument :
MSVOA_N
ClientSampled :
14B-2

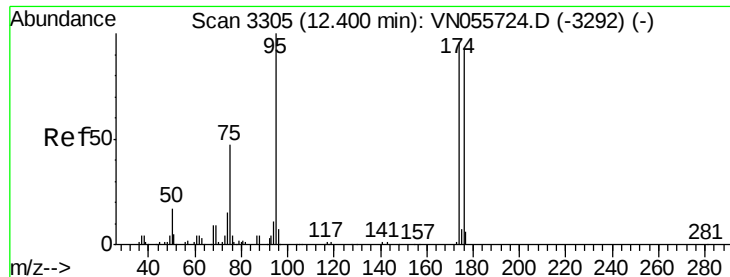
Tot Ion:129 Resp: 1586
Ion Ratio Lower Upper
129 100
127 66.2 39.2 117.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055738.D
Acq: 23 May 2019 00:02

Tgt Ion:117 Resp: 241095
Ion Ratio Lower Upper
117 100
82 53.5 42.6 64.0
119 32.0 25.9 38.9

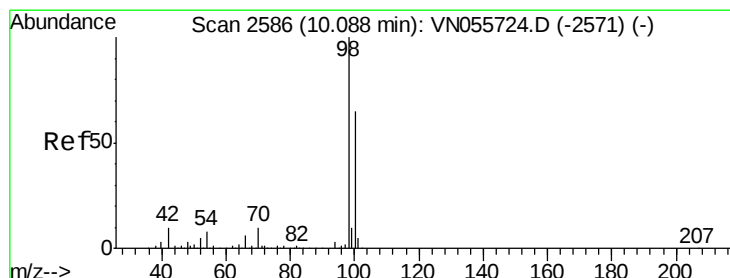
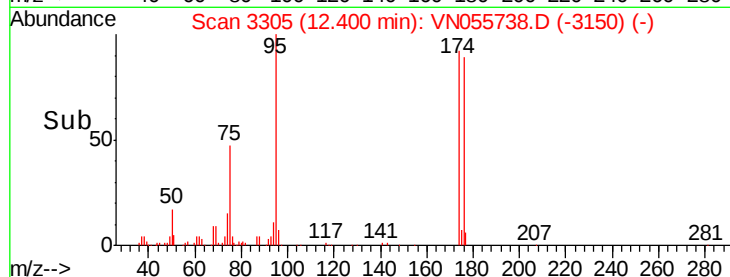
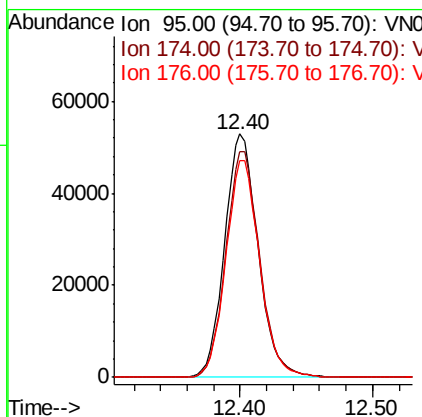
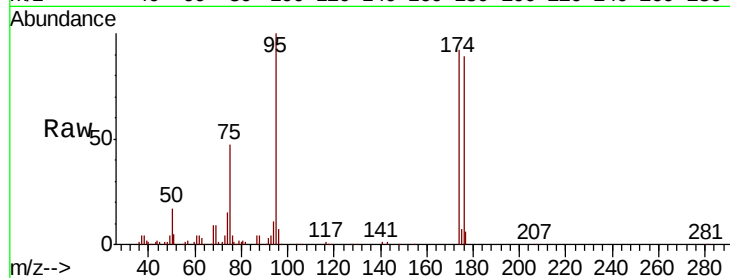




#60
4-Bromofluorobenzene
Concen: 24.729 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055738.D
Acq: 23 May 2019 00:02

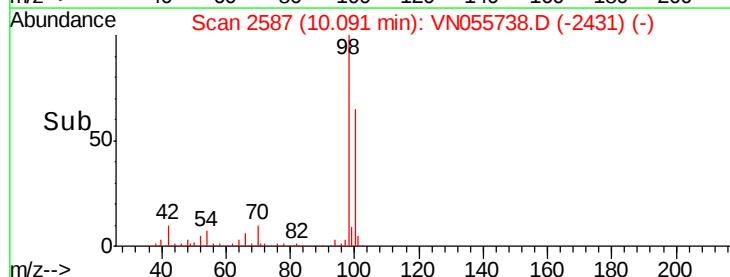
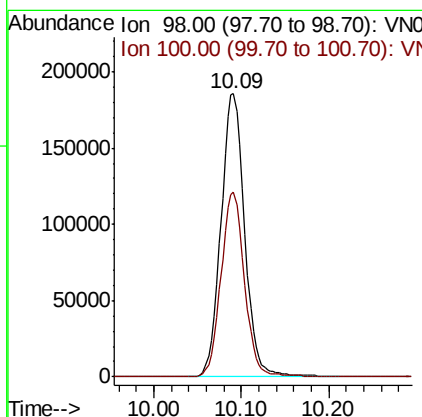
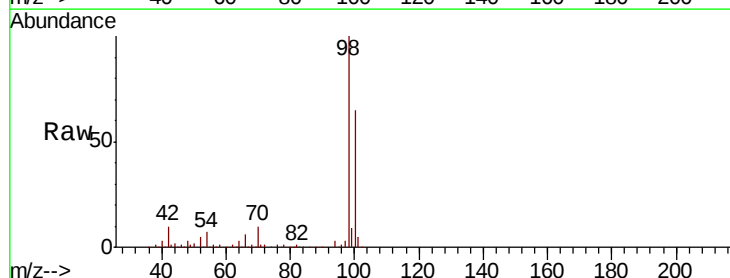
Instrument :
MSVOA_N
ClientSampleId :
14B-2

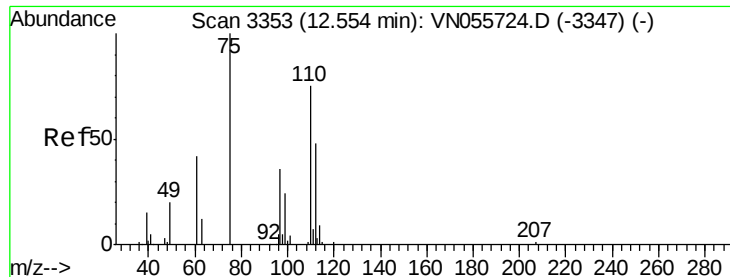
Tot Ion	95	Resp	92746
Ion Ratio	Lower	Upper	
95	100		
174	93.5	75.7	113.5
176	89.7	74.1	111.1



#63
Toluene-d8
Concen: 31.756 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055738.D
Acq: 23 May 2019 00:02

Tgt Ion	98	Resp	349883
Ion Ratio	Lower	Upper	
98	100		
100	64.5	51.6	77.4





#72

1,2,3-Trichloropropane

Concen: 11.797 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055738.D

Acq: 23 May 2019 00:02

Instrument :

MSVOA_N

ClientSampled :

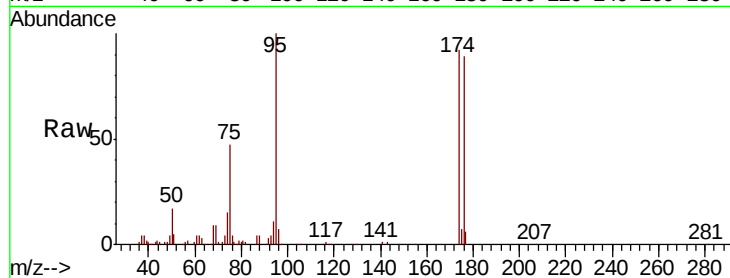
14B-2

Tot Ion: 75 Resp: 43535

Ion Ratio Lower Upper

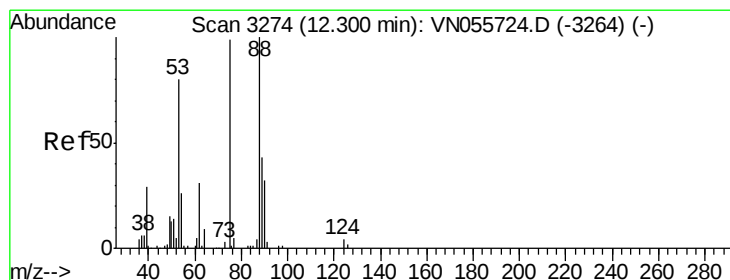
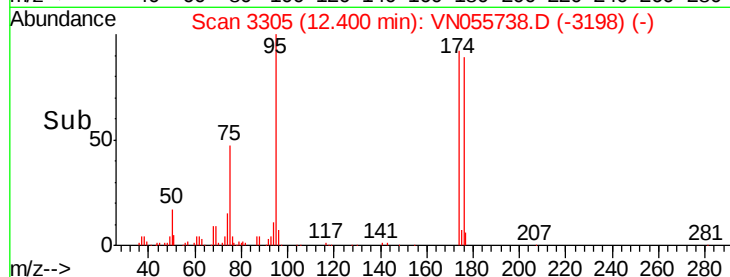
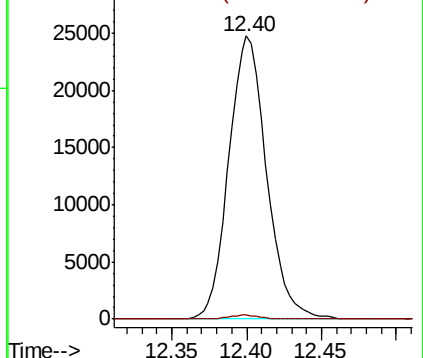
75 100

77 1.1 0.0 349.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

t-1,4-Dichloro-2-butene

Concen: 29.698 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055738.D

Acq: 23 May 2019 00:02

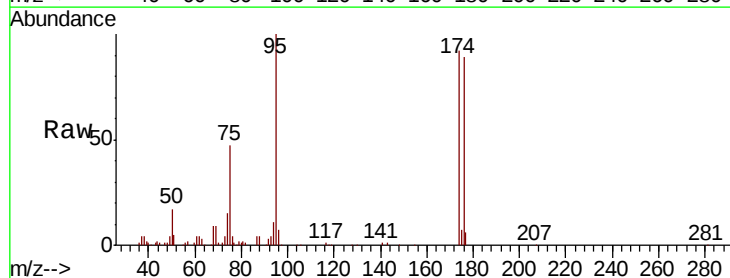
Tgt Ion: 75 Resp: 43535

Ion Ratio Lower Upper

75 100

53 0.0 40.1 120.3#

89 0.0 22.6 67.8#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

