

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110419\
 Data File : VN059074.D
 Acq On : 4 Nov 2019 10:20
 Operator : JC/SP
 Sample : VN1104MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBL01

Quant Time: Nov 05 01:17:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	481941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	736153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	618397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	202920	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	309684	48.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.04%	
35) Dibromofluoromethane	7.57	113	238735	50.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.54%	
50) Toluene-d8	10.08	98	924004	49.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.40	95	274273	41.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.54%	

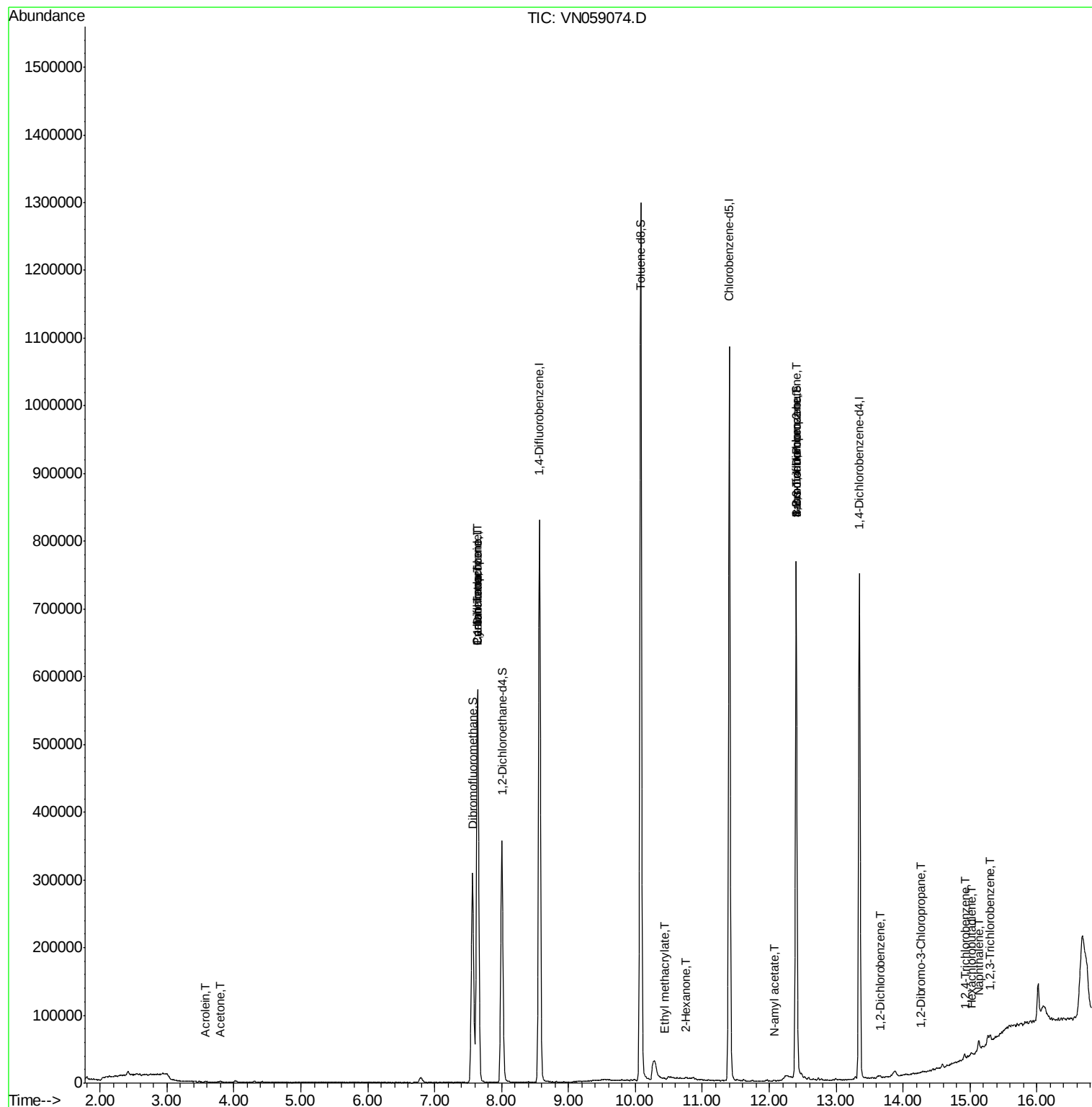
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.57	56	175	0.235	ug/l	99
16) Acetone	3.80	43	1344	0.416	ug/l #	77
31) Cyclohexane	7.64	56	9682	0.985	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	37809	5.168	ug/l #	49
38) Carbon Tetrachloride	7.64	117	44702	6.269	ug/l #	16
56) Ethyl methacrylate	10.43	69	69	1.857	ug/l #	1
59) 2-Hexanone	10.76	43	1962	0.350	ug/l	85
71) Bromoform	12.40	173	1422	0.393	ug/l #	1
74) N-amyl acetate	12.08	43	1401	0.211	ug/l #	48
76) 1,2,3-Trichloropropane	12.40	75	136388	28.403	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	136388	72.811	ug/l #	14
91) 1,2-Dichlorobenzene	13.66	146	1405	0.213	ug/l	73
92) 1,2-Dibromo-3-Chloropropan	14.27	75	476	0.414	ug/l #	30
93) 1,2,4-Trichlorobenzene	14.92	180	2885	0.811	ug/l	81
94) Hexachlorobutadiene	15.01	225	767	0.359	ug/l	91
95) Naphthalene	15.13	128	10754	3.897	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	4114	1.136	ug/l	92

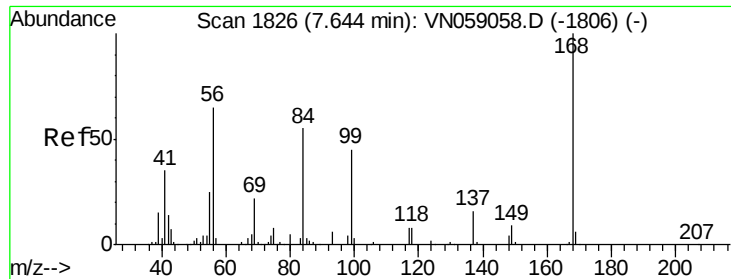
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN110419\
Data File : VN059074.D
Acq On : 4 Nov 2019 10:20
Operator : JC/SP
Sample : VN1104MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1104MBL01

Quant Time: Nov 05 01:17:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059074.D

Acq: 4 Nov 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

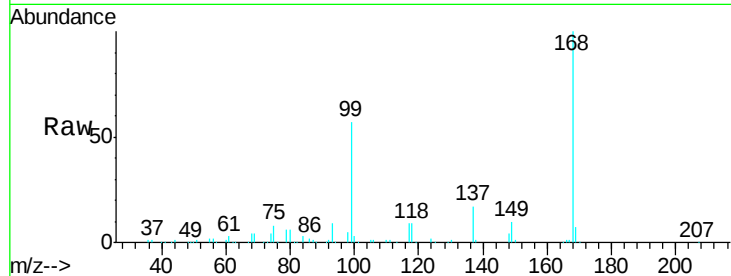
VN1104MBL01

Tgt Ion:168 Resp: 481941

Ion Ratio Lower Upper

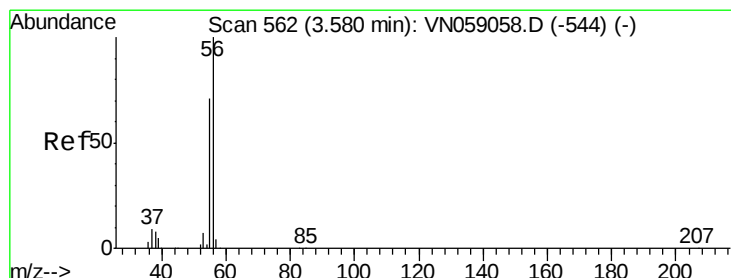
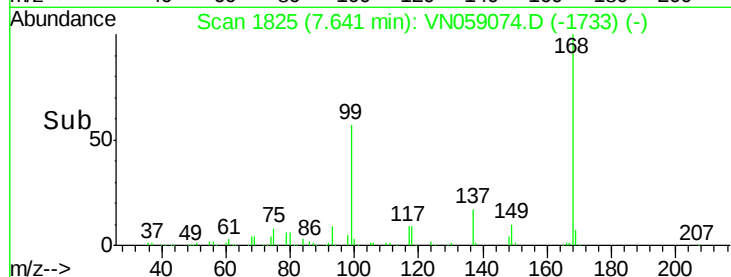
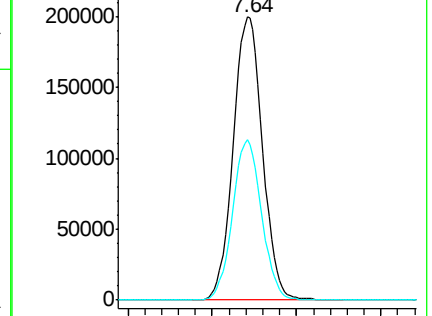
168 100

99 56.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 0.235 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN059074.D

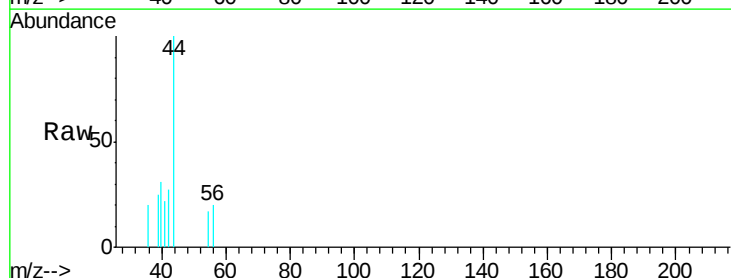
Acq: 4 Nov 2019 10:20

Tgt Ion: 56 Resp: 175

Ion Ratio Lower Upper

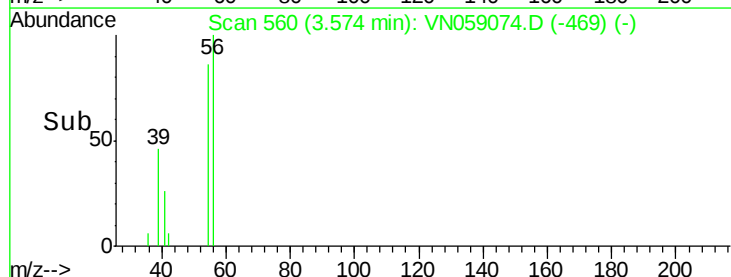
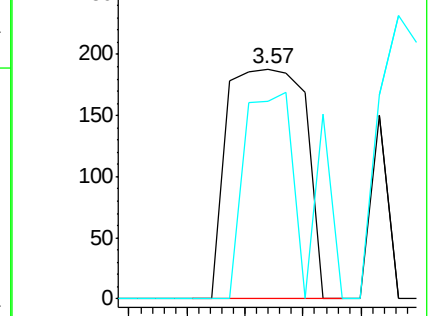
56 100

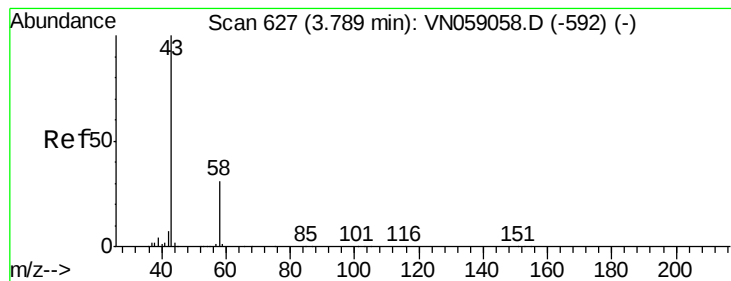
55 70.9 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO





#16

Acetone

Concen: 0.416 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059074.D

Acq: 4 Nov 2019 10:20

Instrument :

MSVOA_N

ClientSampled :

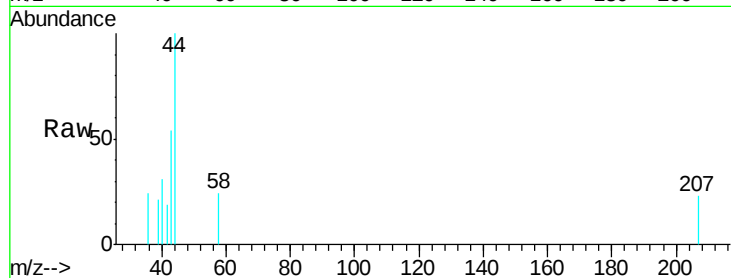
VN1104MBL01

Tgt Ion: 43 Resp: 1344

Ion Ratio Lower Upper

43 100

58 44.3 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.80

400

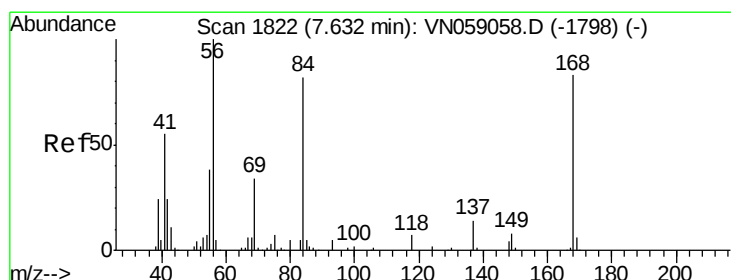
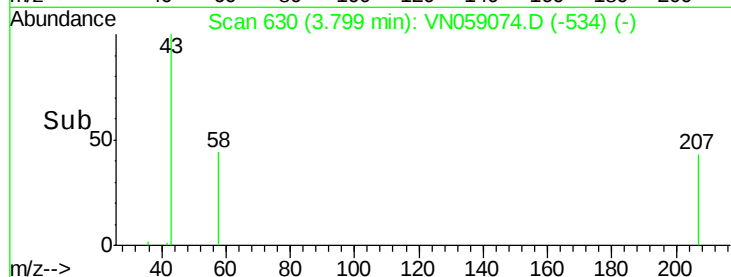
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 0.985 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059074.D

Acq: 4 Nov 2019 10:20

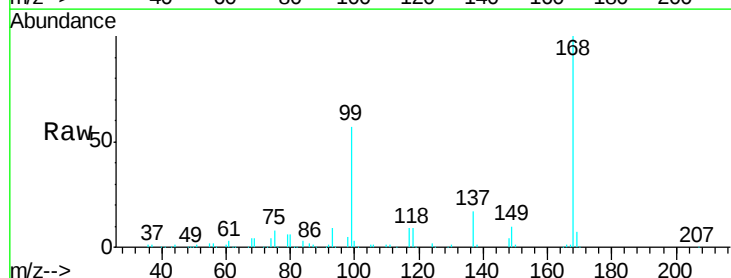
Tgt Ion: 56 Resp: 9682

Ion Ratio Lower Upper

56 100

69 171.1 27.2 40.8#

84 133.8 65.2 97.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

10000

8000

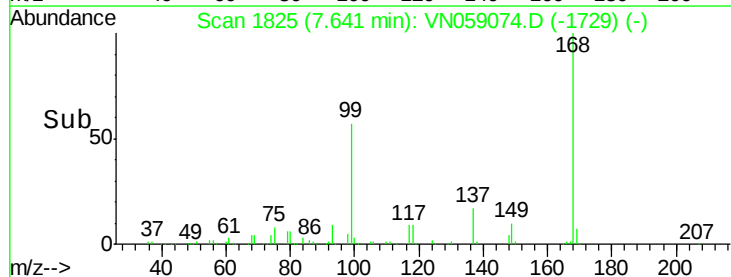
6000

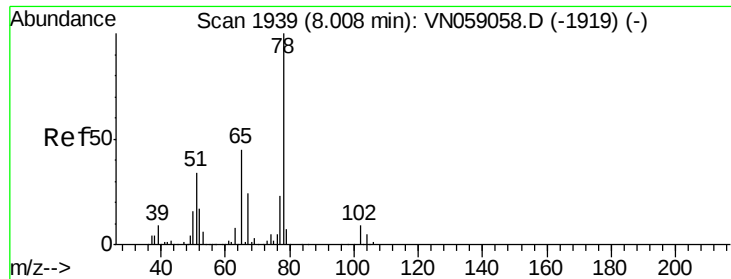
4000

2000

0

Time-->

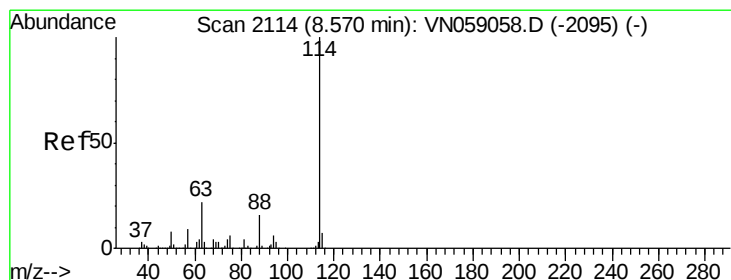
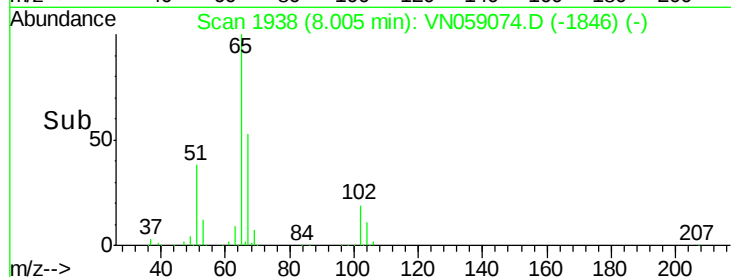
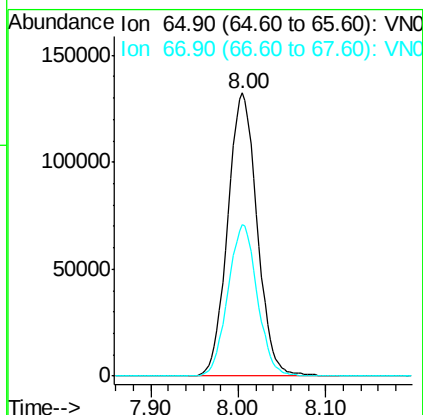
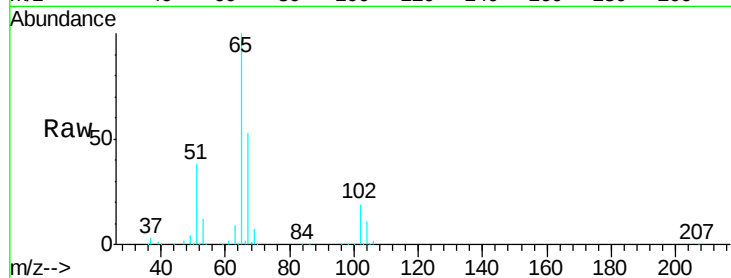




#33
 1,2-Dichloroethane-d4
 Concen: 48.519 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059074.D
 Acq: 4 Nov 2019 10:20

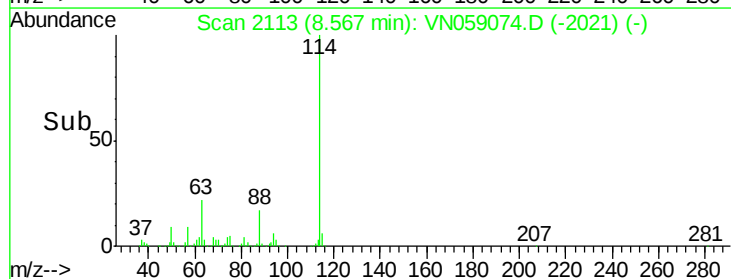
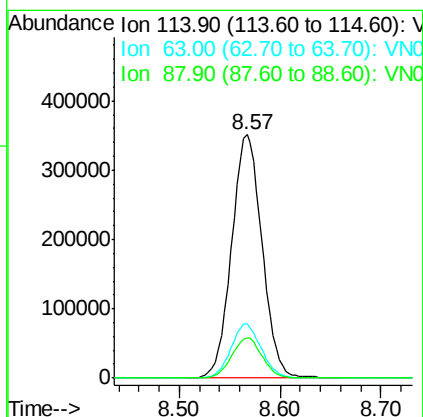
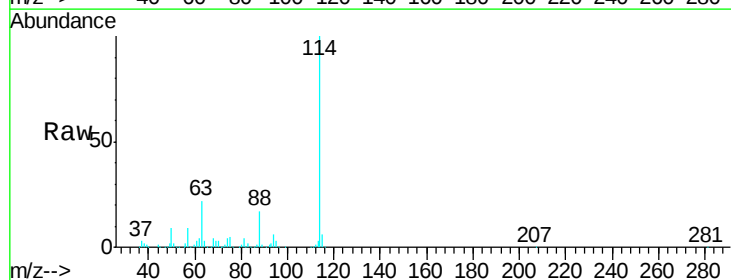
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBL01

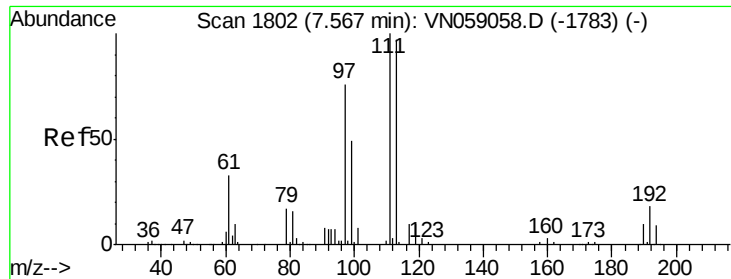
Tgt Ion: 65 Resp: 309684
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059074.D
 Acq: 4 Nov 2019 10:20

Tgt Ion: 114 Resp: 736153
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 16.7 0.0 33.0

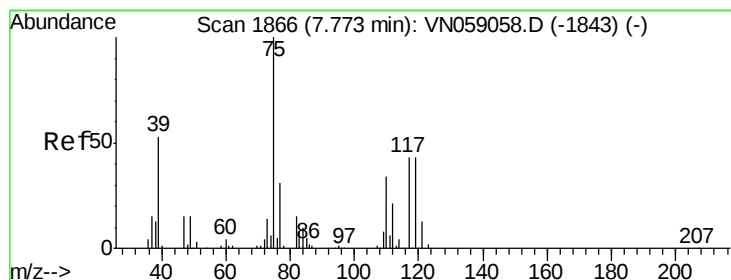
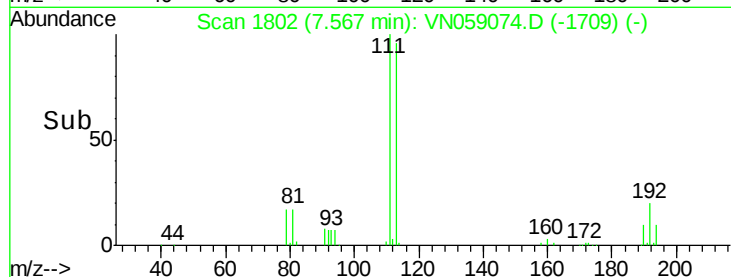
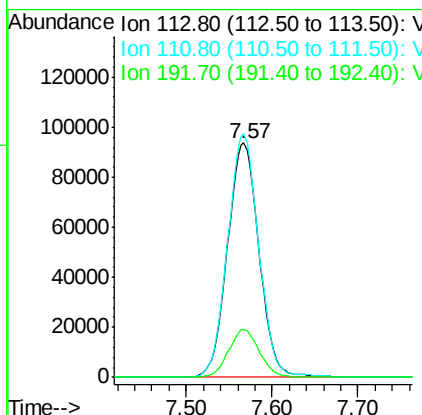
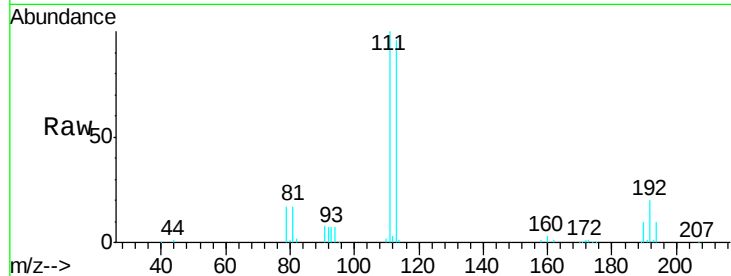




#35
Dibromofluoromethane
Concen: 50.270 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059074.D
Acq: 4 Nov 2019 10:20

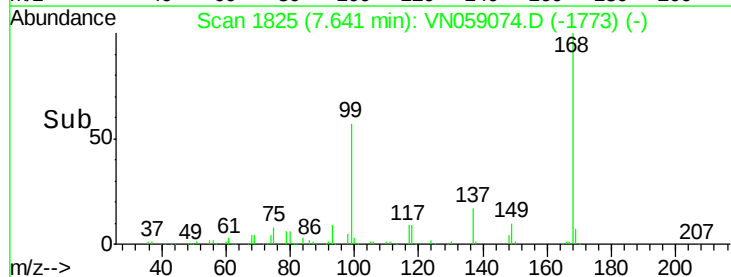
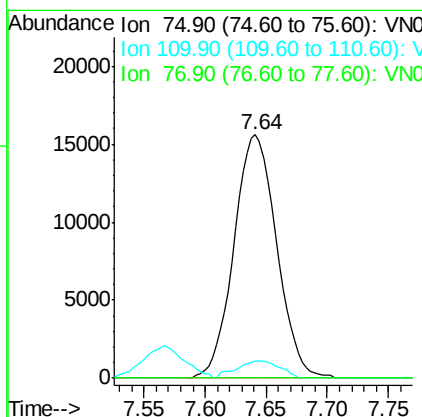
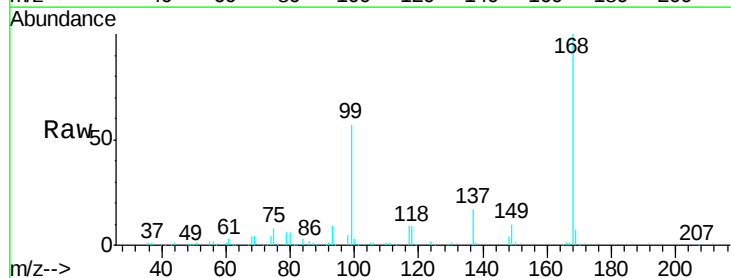
Instrument :
MSVOA_N
ClientSampleId :
VN1104MBL01

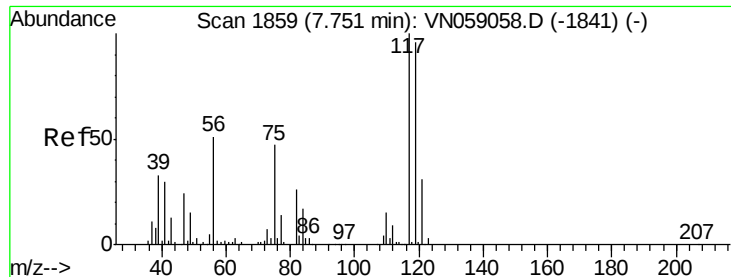
Tgt Ion:113 Resp: 238735
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 19.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.168 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN059074.D
Acq: 4 Nov 2019 10:20

Tgt Ion: 75 Resp: 37809
Ion Ratio Lower Upper
75 100
110 7.1 16.9 50.6#
77 0.0 25.0 37.4#

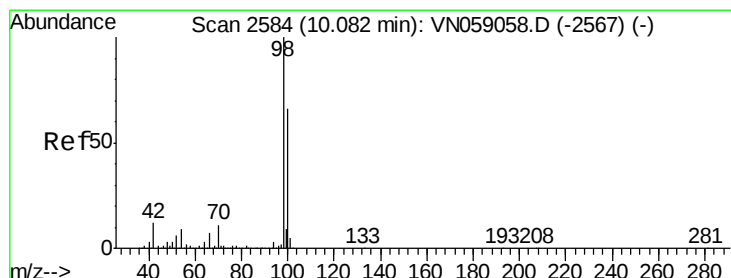
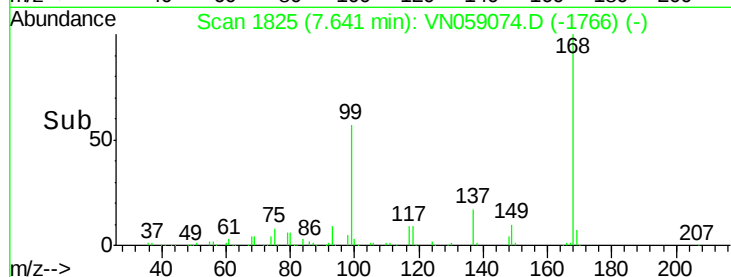
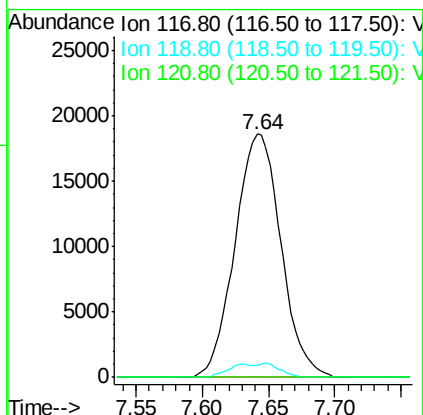
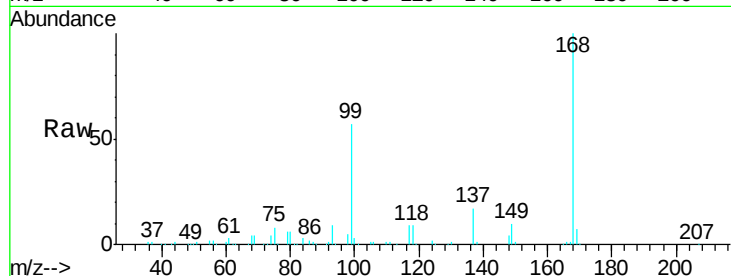




#38
Carbon Tetrachloride
Concen: 6.269 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059074.D
Acq: 4 Nov 2019 10:20

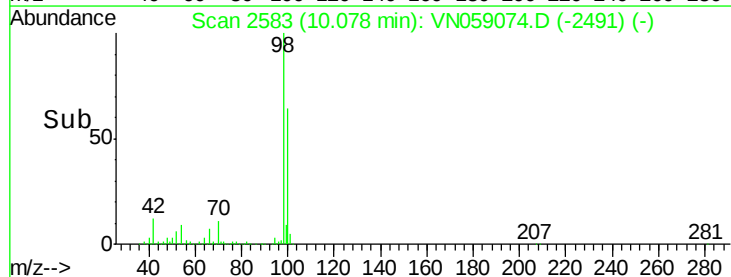
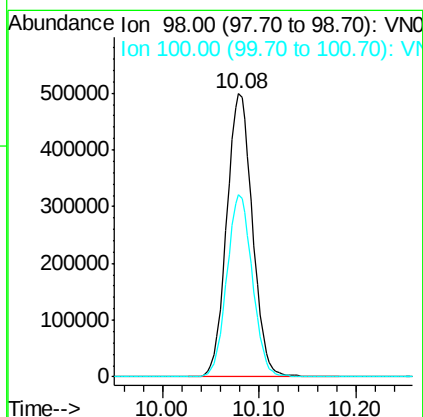
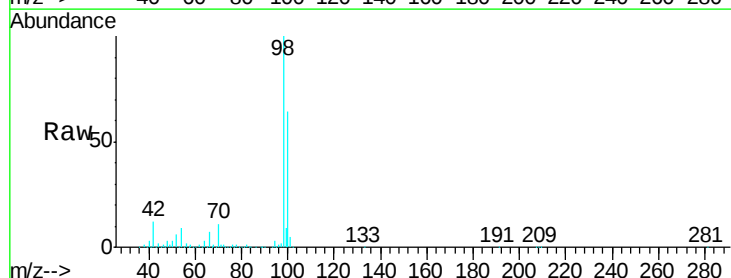
Instrument :
MSVOA_N
ClientSampleId :
VN1104MBL01

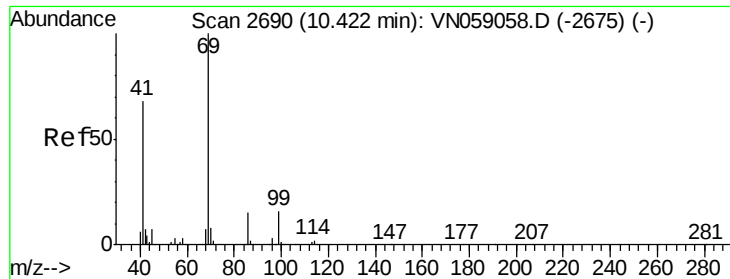
Tgt Ion:117 Resp: 44702
Ion Ratio Lower Upper
117 100
119 4.9 76.6 114.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 49.974 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059074.D
Acq: 4 Nov 2019 10:20

Tgt Ion: 98 Resp: 924004
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5





#56

Ethyl methacrylate

Concen: 1.857 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.01 min

Lab File: VN059074.D

Acq: 4 Nov 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBL01

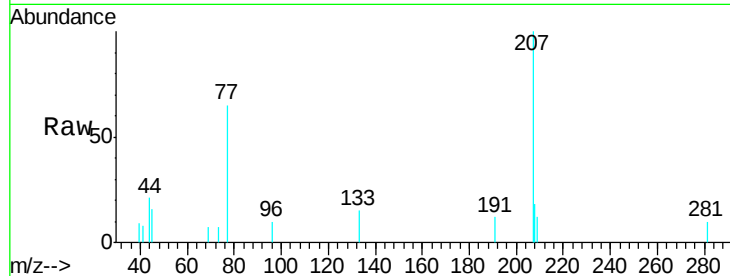
Tgt Ion: 69 Resp: 69

Ion Ratio Lower Upper

69 100

41 268.1 53.8 80.8#

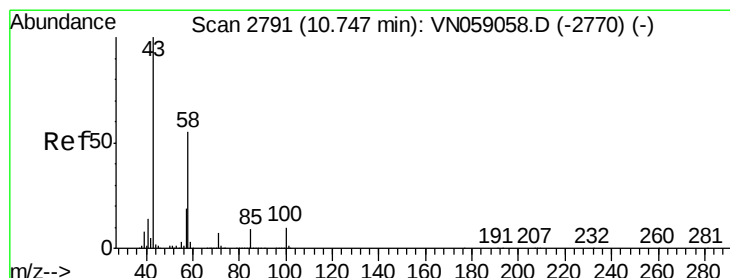
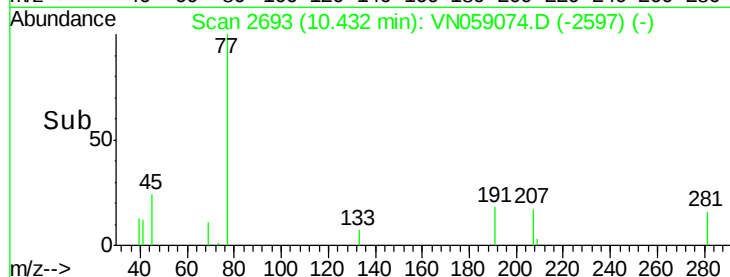
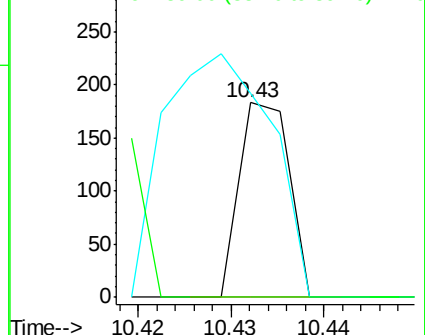
39 42.0 26.2 39.2#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 0.350 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN059074.D

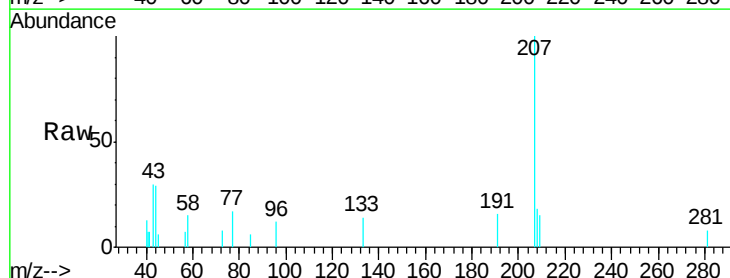
Acq: 4 Nov 2019 10:20

Tgt Ion: 43 Resp: 1962

Ion Ratio Lower Upper

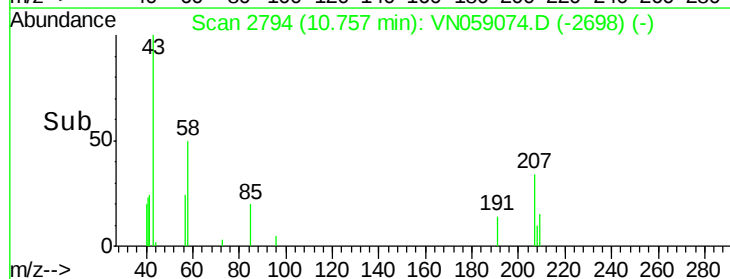
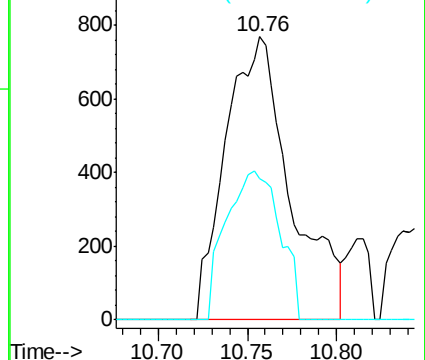
43 100

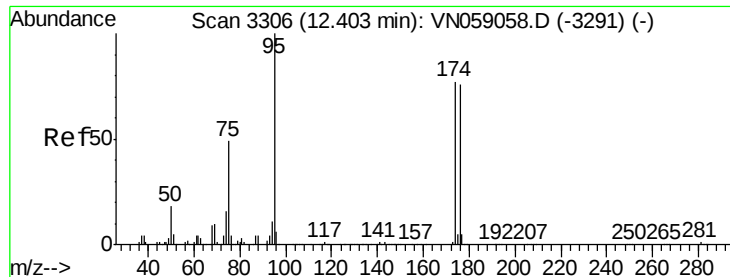
58 43.6 27.4 82.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 41.266 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN059074.D

Acq: 4 Nov 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBL01

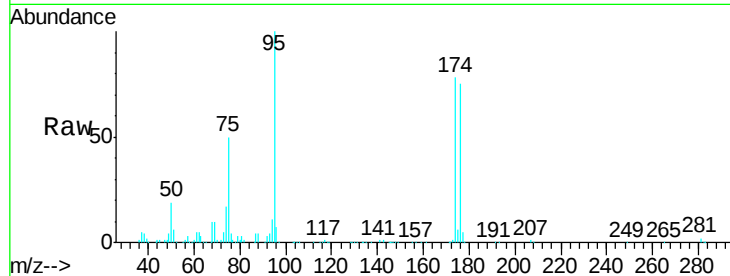
Tgt Ion: 95 Resp: 274273

Ion Ratio Lower Upper

95 100

174 77.2 0.0 155.8

176 75.8 0.0 151.6

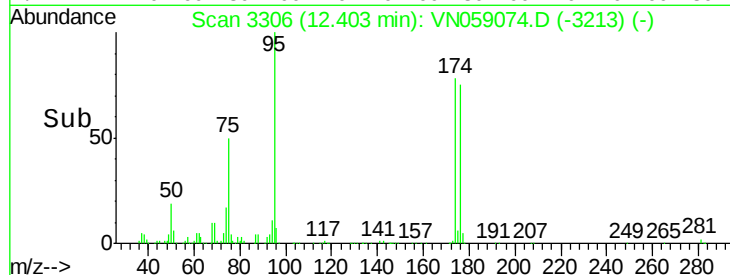


Abundance Ion 94.90 (94.60 to 95.60): VN059074.D (-3213) (-)

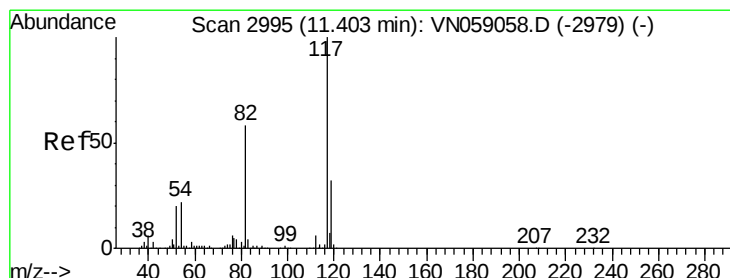
Ion 173.80 (173.50 to 174.50): VN059074.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN059074.D (-3213) (-)

Time--> 12.30 12.40 12.50



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059074.D

Acq: 4 Nov 2019 10:20

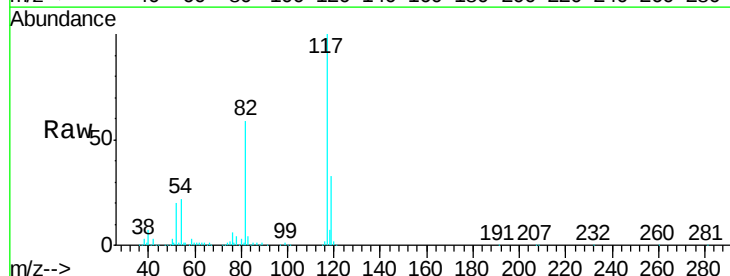
Tgt Ion: 117 Resp: 618397

Ion Ratio Lower Upper

117 100

82 58.5 46.0 69.0

119 32.5 25.6 38.4

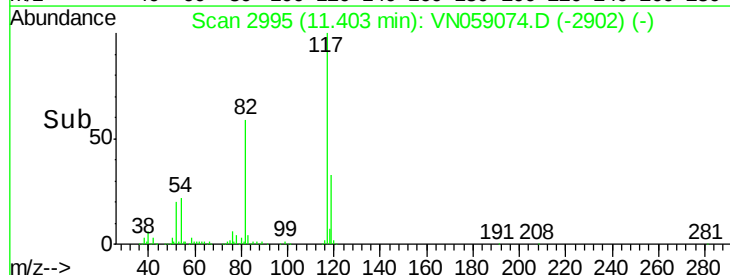


Abundance Ion 116.90 (116.60 to 117.60): VN059074.D (-2902) (-)

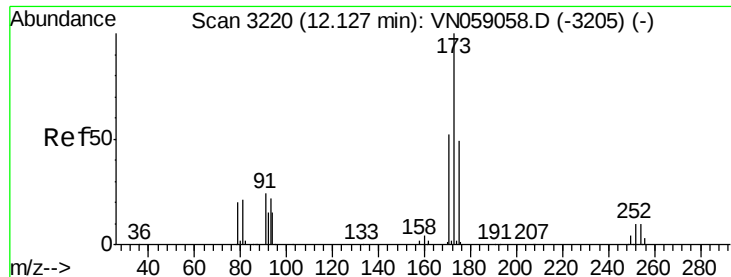
Ion 82.00 (81.70 to 82.70): VN059074.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059074.D (-2902) (-)

Time--> 11.30 11.40 11.50



Time--> 11.30 11.40 11.50



#71

Bromoform

Concen: 0.393 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059074.D

Acq: 4 Nov 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBL01

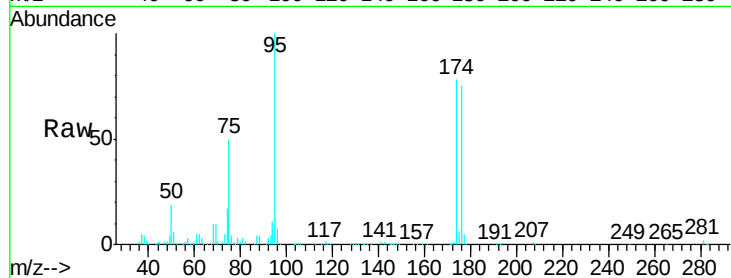
Tgt Ion:173 Resp: 1422

Ion Ratio Lower Upper

173 100

175 926.1 24.4 73.2#

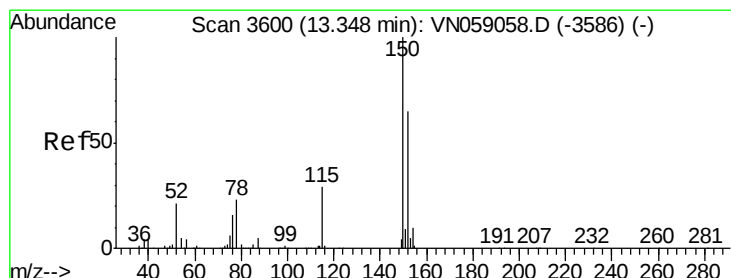
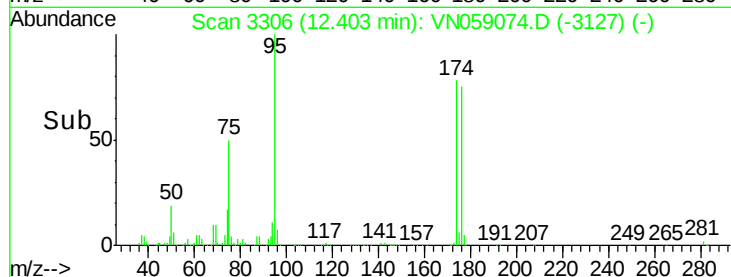
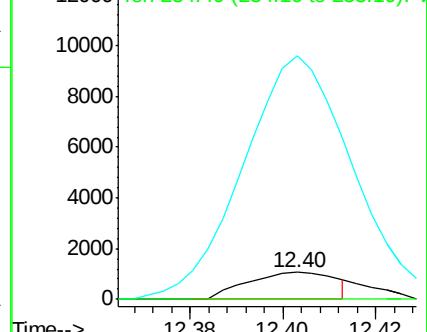
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN059074.D

Acq: 4 Nov 2019 10:20

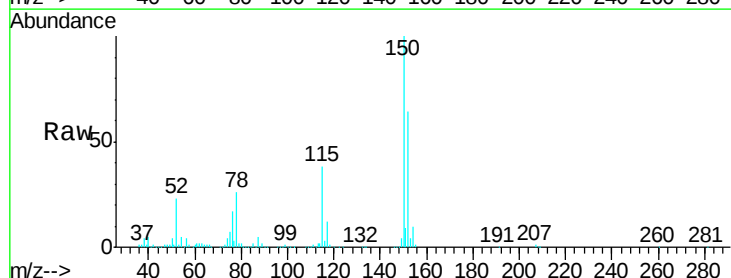
Tgt Ion:152 Resp: 202920

Ion Ratio Lower Upper

152 100

115 60.5 29.6 88.9

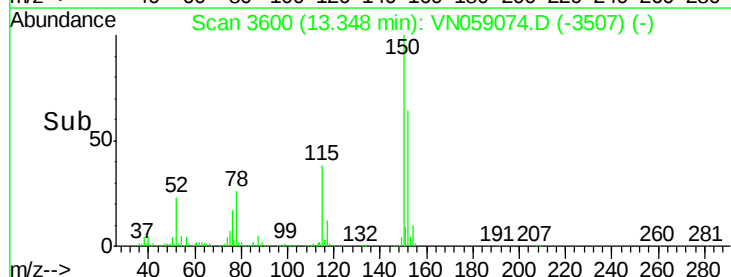
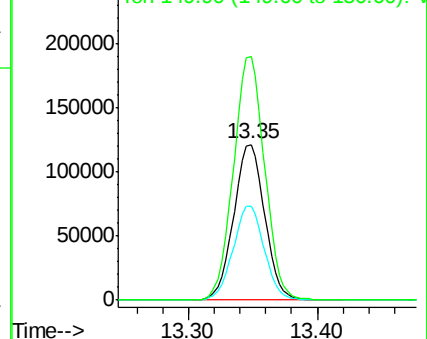
150 157.6 0.0 345.8

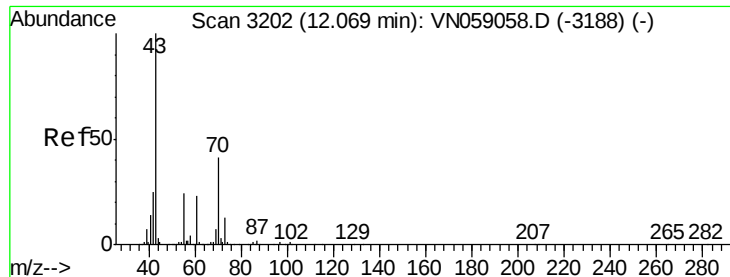


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.211 ug/l

RT: 12.08 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VN059074.D

Acq: 4 Nov 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN1104MBL01

Tgt Ion: 43 Resp: 1401

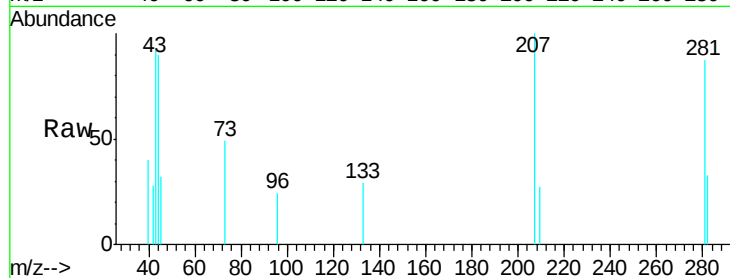
Ion Ratio Lower Upper

43 100

70 4.6 32.6 49.0#

55 2.1 19.7 29.5#

61 0.0 19.0 28.6#

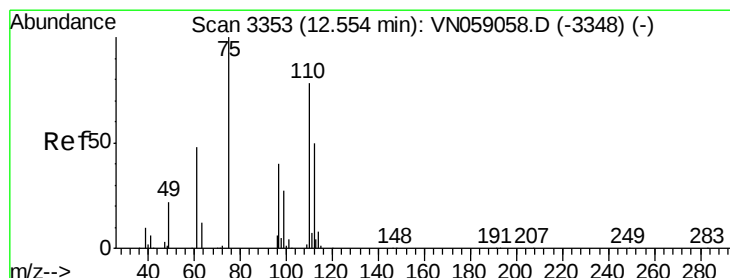
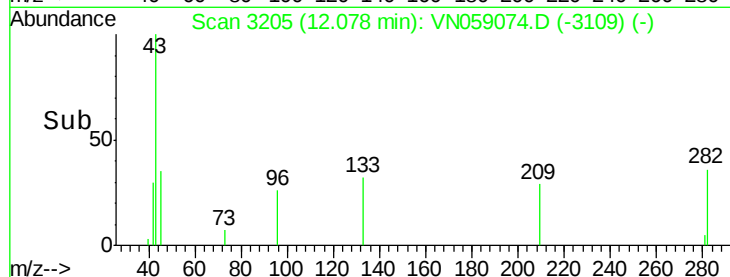
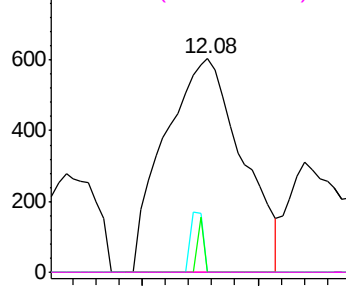


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 28.403 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059074.D

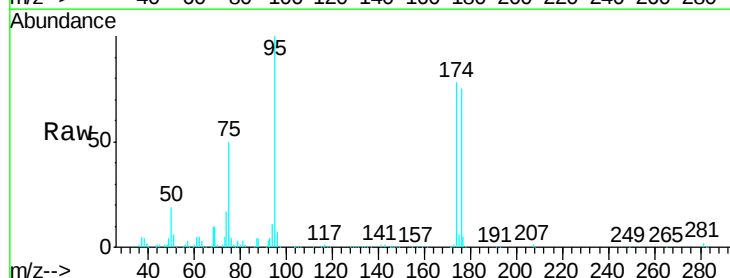
Acq: 4 Nov 2019 10:20

Tgt Ion: 75 Resp: 136388

Ion Ratio Lower Upper

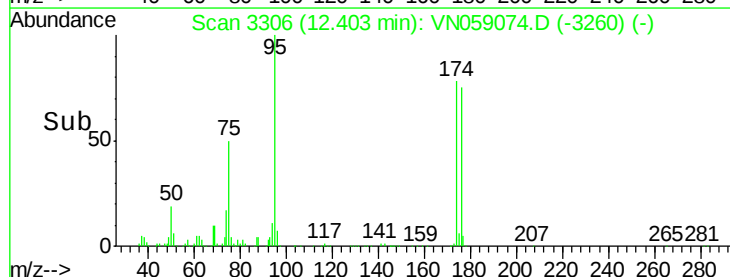
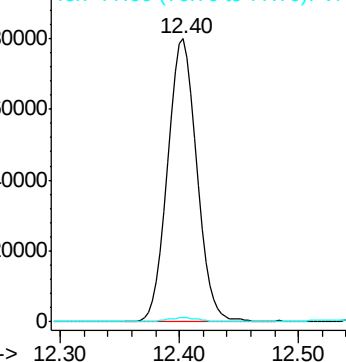
75 100

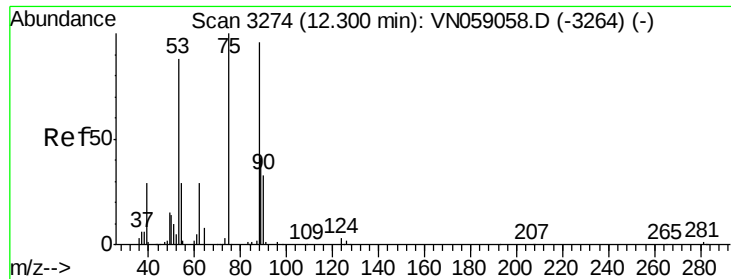
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 72.811 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059074.D

Acq: 4 Nov 2019 10:20

Instrument :

MSVOA_N

ClientSampled :

VN1104MBL01

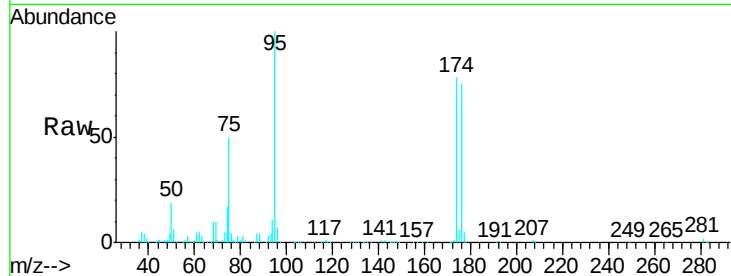
Tgt Ion: 75 Resp: 136388

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

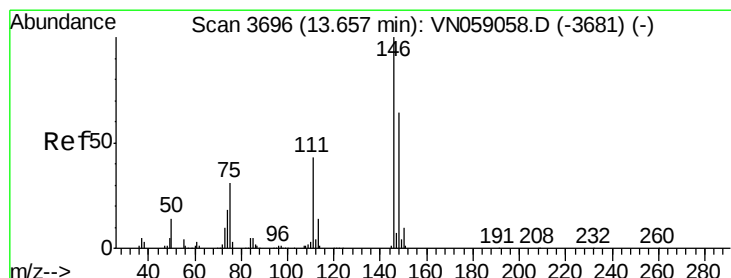
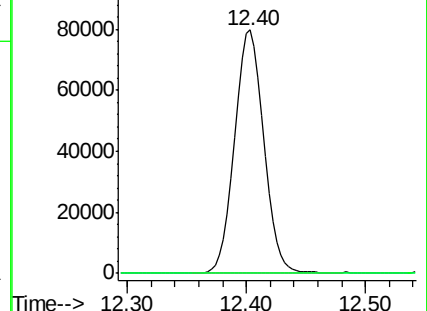
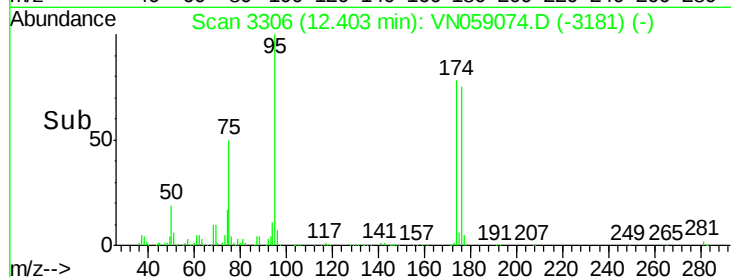
89 0.0 34.2 51.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059074.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN059074.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN059074.D (-3181) (-)



#91

1,2-Dichlorobenzene

Concen: 0.213 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN059074.D

Acq: 4 Nov 2019 10:20

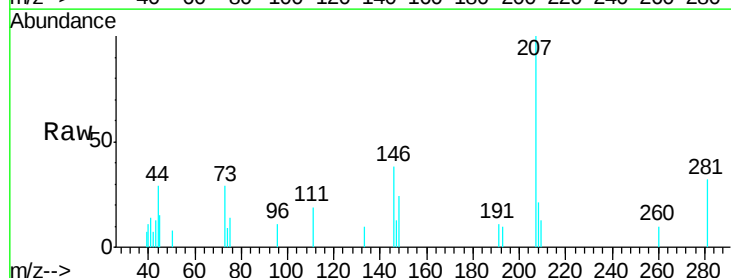
Tgt Ion: 146 Resp: 1405

Ion Ratio Lower Upper

146 100

111 53.0 21.2 63.6

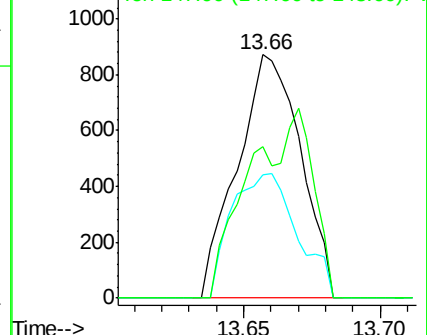
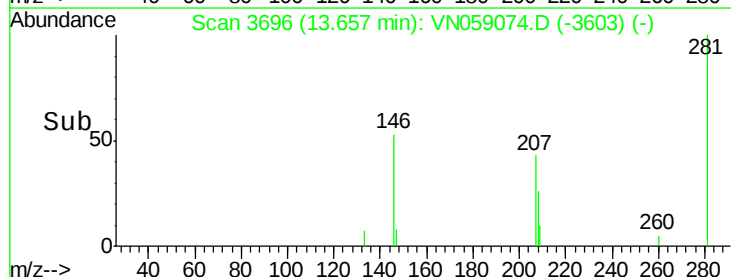
148 37.9 32.1 96.3

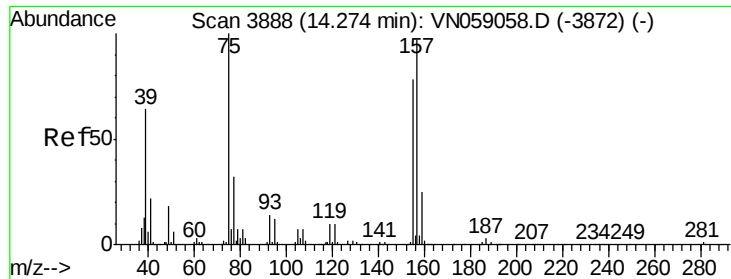


Abundance Ion 145.90 (145.60 to 146.60): VN059074.D (-3603) (-)

Ion 110.90 (110.60 to 111.60): VN059074.D (-3603) (-)

Ion 147.90 (147.60 to 148.60): VN059074.D (-3603) (-)

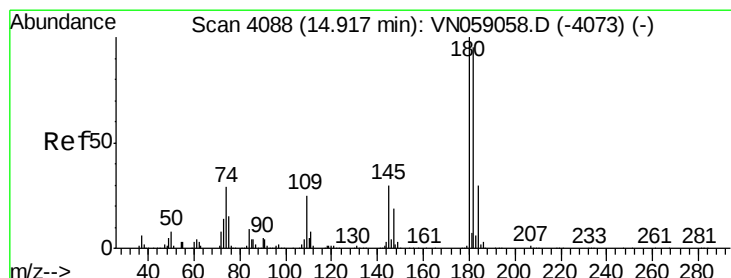
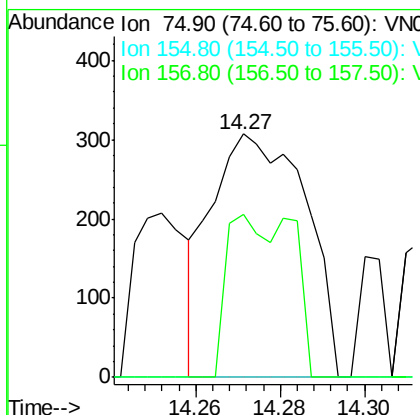
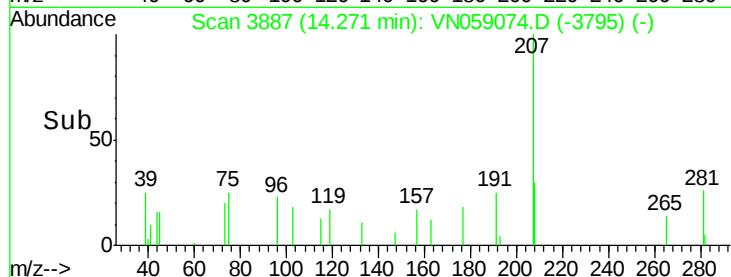
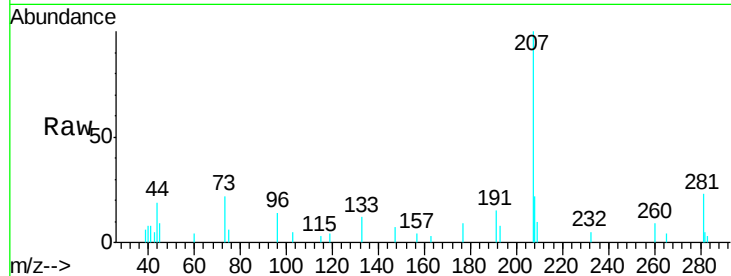




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.414 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN059074.D
 Acq: 4 Nov 2019 10:20

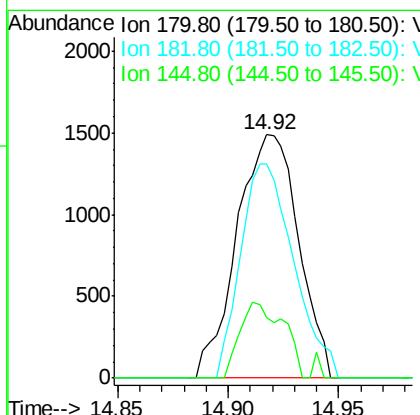
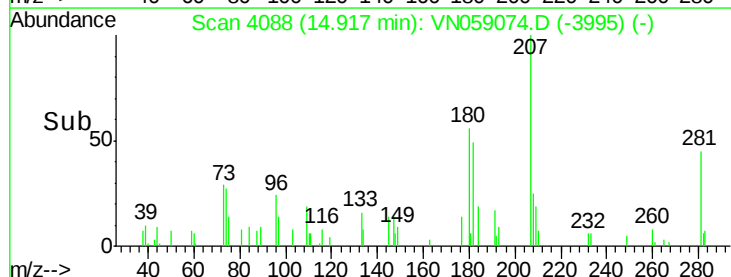
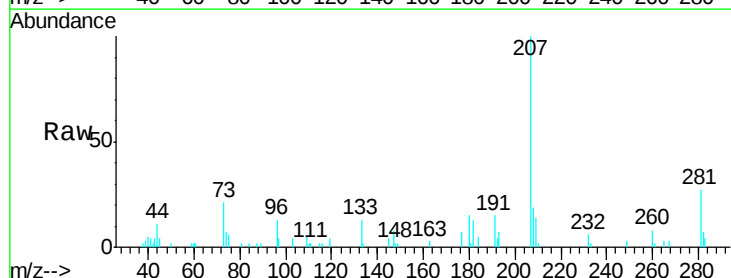
Instrument :
 MSVOA_N
 ClientSampled :
 VN1104MBL01

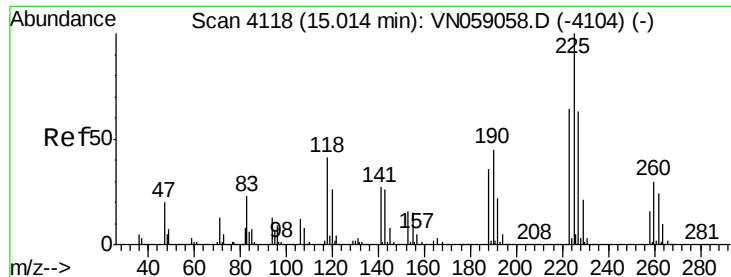
Tgt Ion: 75 Resp: 476
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.7 119.1#
 157 46.6 51.0 153.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.811 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN059074.D
 Acq: 4 Nov 2019 10:20

Tgt Ion: 180 Resp: 2885
 Ion Ratio Lower Upper
 180 100
 182 76.0 47.8 143.4
 145 22.2 15.1 45.3





#94

Hexachlorobutadiene

Concen: 0.359 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VN059074.D

Acq: 4 Nov 2019 10:20

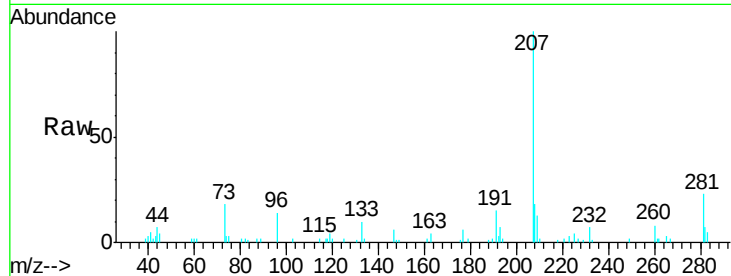
Instrument :

MSVOA_N

ClientSampled :

VN1104MBL01

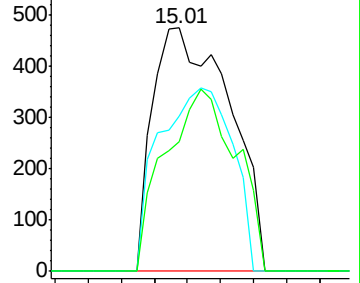
Tgt Ion:	225	Resp:	767
Ion	Ratio	Lower	Upper
225	100		
223	71.7	31.6	95.0
227	69.0	31.9	95.7



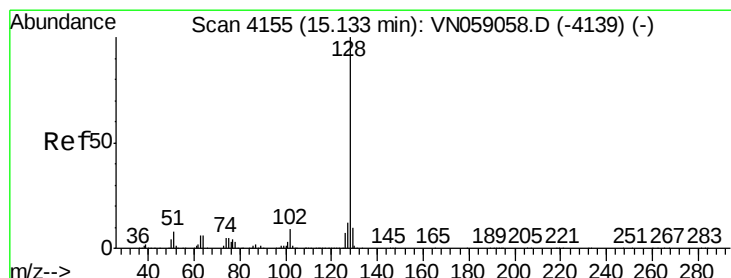
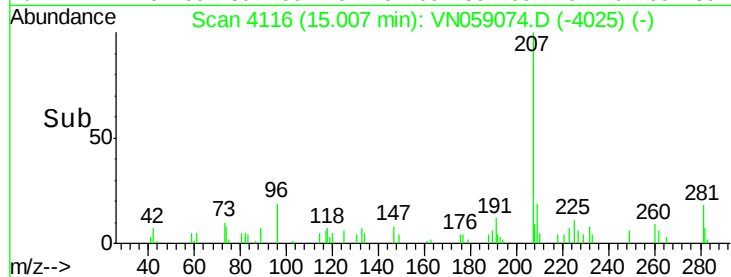
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 3.897 ug/l

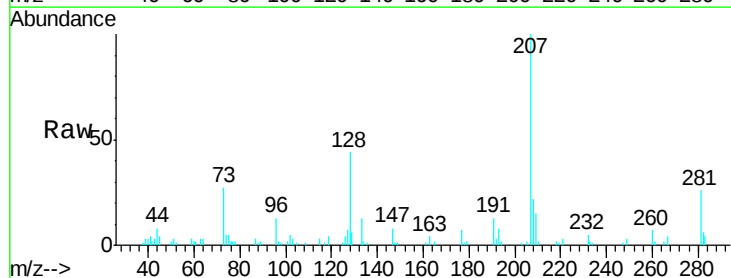
RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN059074.D

Acq: 4 Nov 2019 10:20

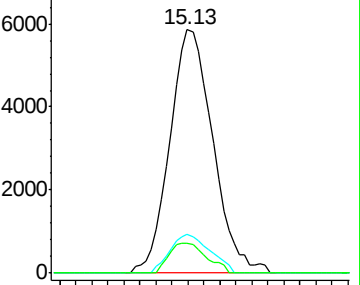
Tgt Ion:	128	Resp:	10754
Ion	Ratio	Lower	Upper
128	100		
127	14.7	9.9	14.9
129	10.6	8.4	12.6



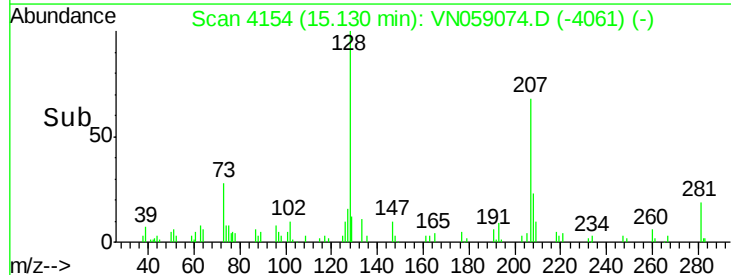
Abundance Ion 128.00 (127.70 to 128.70): V

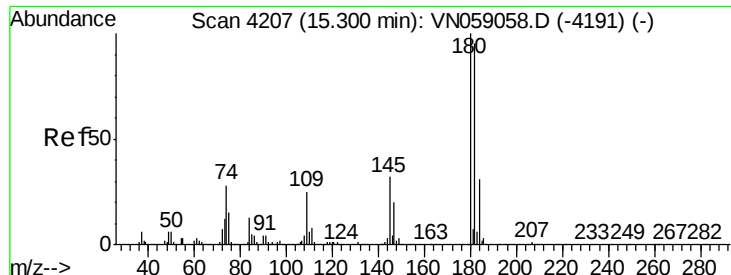
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 1.136 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN059074.D
 Acq: 4 Nov 2019 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.9	47.7	143.1
145	39.7	16.0	48.0

