

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073119\
 Data File : VN057017.D
 Acq On : 31 Jul 2019 16:14
 Operator : JC/SP
 Sample : K4066-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-11

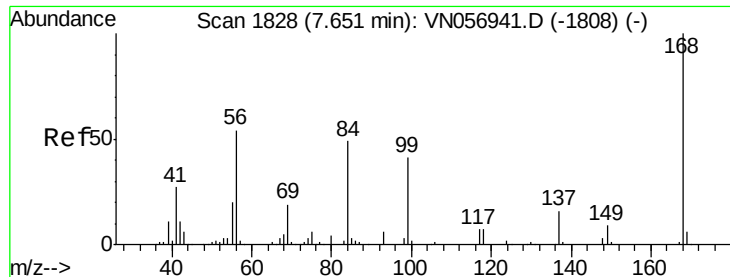
Quant Time: Aug 01 01:21:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	562820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	838645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	704776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	199823	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	284167	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
35) Dibromofluoromethane	7.58	113	250591	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
50) Toluene-d8	10.08	98	983473	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.40	95	264045	39.62	ug/l	0.00
Spiked Amount			Recovery	=	79.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	3629	4.660	ug/l #	74
16) Acetone	3.81	43	25345	12.143	ug/l	95
18) Methyl Acetate	4.32	43	8199	1.231	ug/l #	88
20) Methylene Chloride	4.54	84	25047	4.166	ug/l	91
25) 2-Butanone	6.83	43	1094	0.370	ug/l #	48
30) Chloroform	7.36	83	2888	0.289	ug/l	85
31) Cyclohexane	7.66	56	8238	0.870	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	35339	4.789	ug/l #	48
38) Carbon Tetrachloride	7.65	117	48363	6.928	ug/l #	18
39) Methylcyclohexane	9.07	83	2296	0.243	ug/l #	80
40) Benzene	8.03	78	10386	0.457	ug/l	96
43) Isopropyl Acetate	8.17	43	25339	2.594	ug/l #	84
45) 1,2-Dichloropropane	9.26	63	2013	0.331	ug/l #	44
48) Methyl methacrylate	9.17	41	9065	1.922	ug/l #	12
49) 1,4-Dioxane	9.26	88	31	0.319	ug/l #	1
51) 4-Methyl-2-Pentanone	9.97	43	3442	0.593	ug/l	93
54) cis-1,3-Dichloropropene	9.90	75	57195	6.576	ug/l #	64
56) Ethyl methacrylate	10.54	69	1118	1.891	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	12090	1.331	ug/l #	42
59) 2-Hexanone	10.76	43	149977	35.718	ug/l #	51
71) Bromoform	12.39	173	911	0.241	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	123429	30.416	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7754	0.547	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	123429	97.725	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	7166	0.525	ug/l	98
95) Naphthalene	15.13	128	849	3.681	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057017.D

Acq: 31 Jul 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

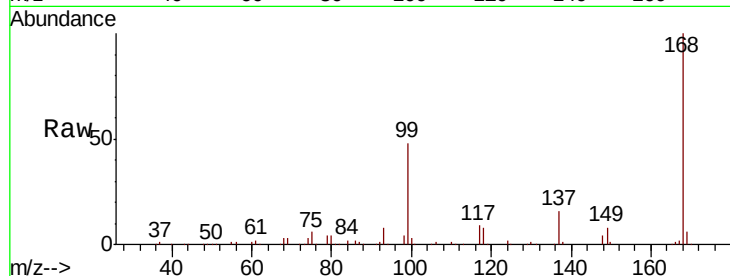
TP-11

Tot Ion:168 Resp: 562820

Ion Ratio Lower Upper

168 100

99 48.2 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VN056941.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN056941.D (-1808) (-)

7.66

250000

200000

150000

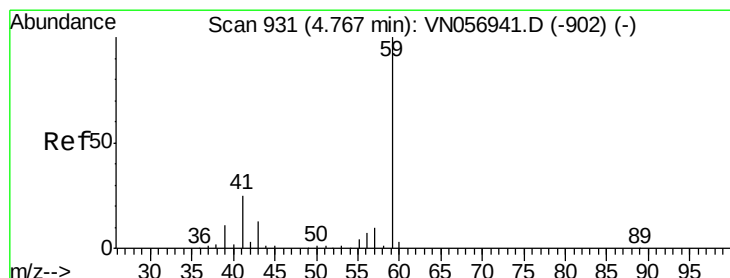
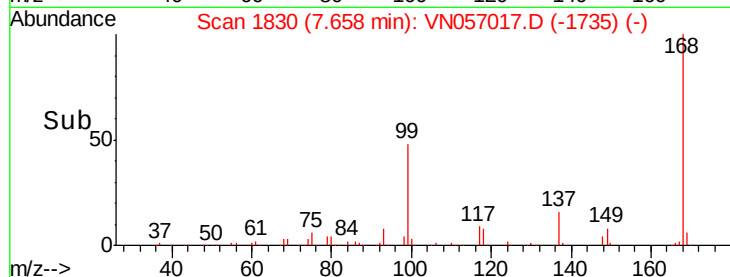
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 4.660 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.03 min

Lab File: VN057017.D

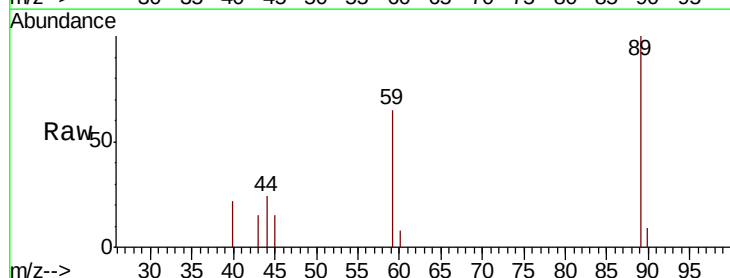
Acq: 31 Jul 2019 16:14

Tgt Ion: 59 Resp: 3629

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VN056941.D (-902) (-)

Ion 57.00 (56.70 to 57.70): VN056941.D (-902) (-)

4.73

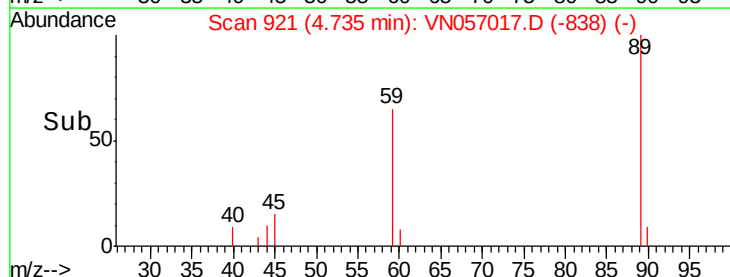
1000

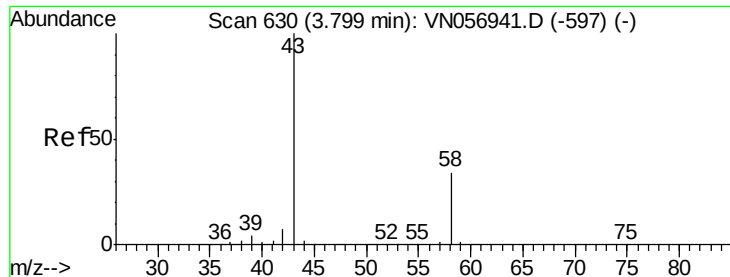
500

0

4.70 4.75 4.80

Time-->





#16

Acetone

Concen: 12.143 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN057017.D

Acq: 31 Jul 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

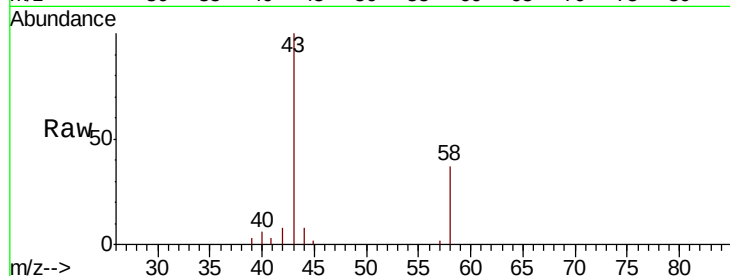
TP-11

Tot Ion: 43 Resp: 25345

Ion Ratio Lower Upper

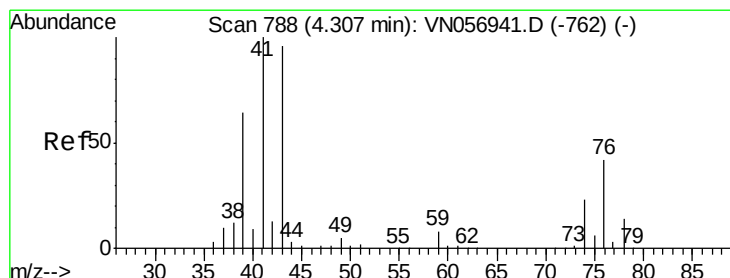
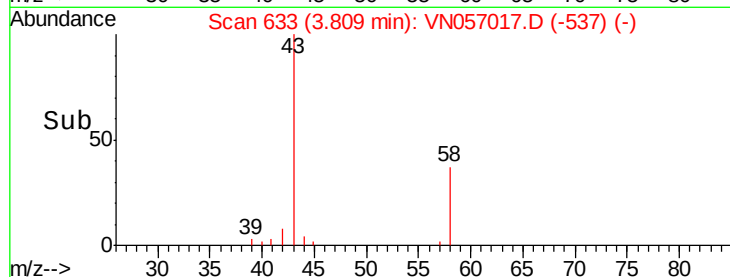
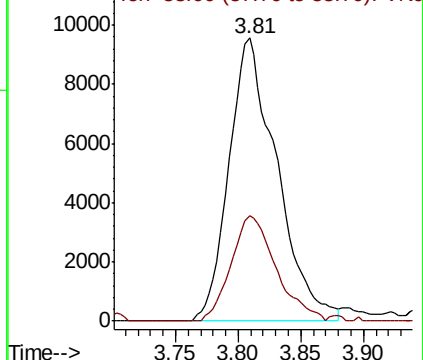
43 100

58 37.1 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.231 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.02 min

Lab File: VN057017.D

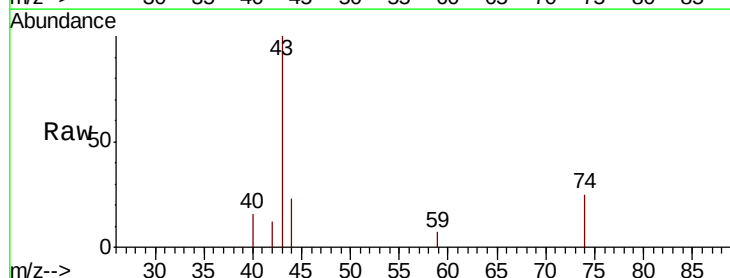
Acq: 31 Jul 2019 16:14

Tgt Ion: 43 Resp: 8199

Ion Ratio Lower Upper

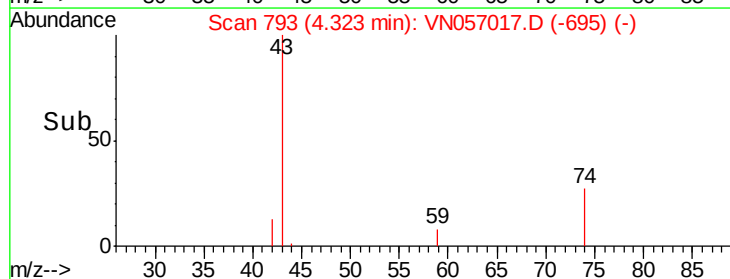
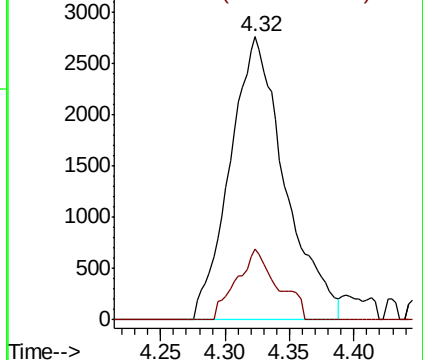
43 100

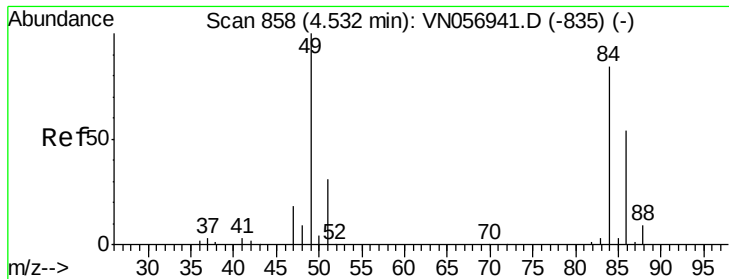
74 18.5 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

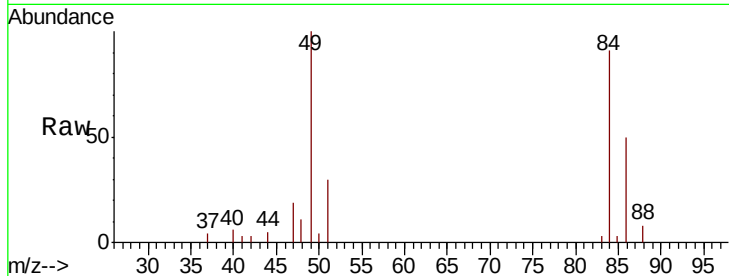




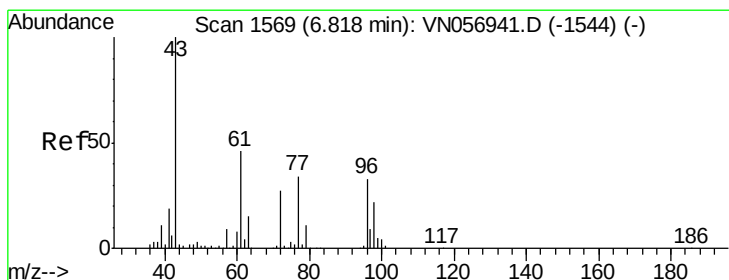
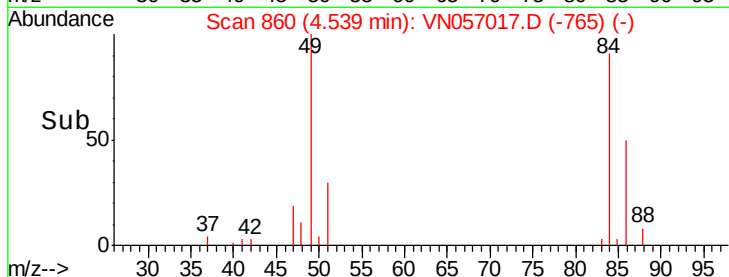
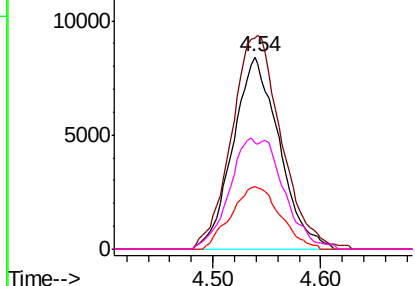
#20
Methvlene Chloride
Concen: 4.166 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN057017.D
Acq: 31 Jul 2019 16:14

Instrument :
MSVOA_N
ClientSampled :
TP-11

Tot Ion:	84	Resp:	25047
Ion	Ratio	Lower	Upper
84	100		
49	109.6	95.2	142.8
51	32.5	29.7	44.5
86	55.1	51.0	76.6

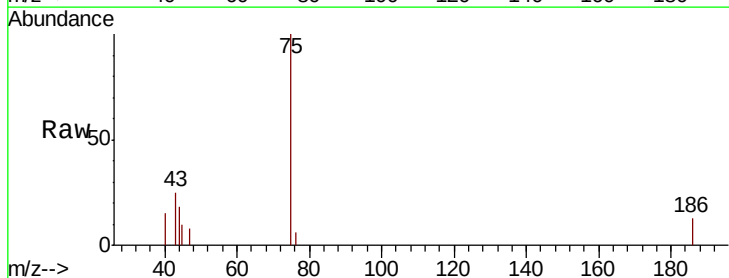


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

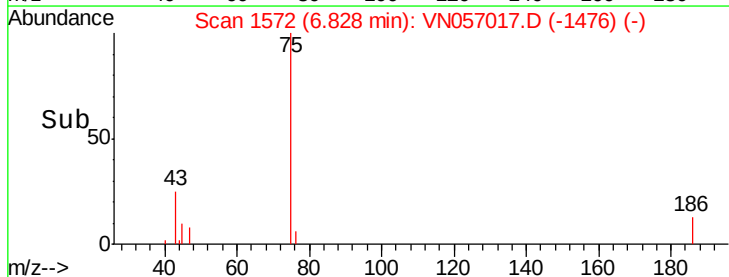
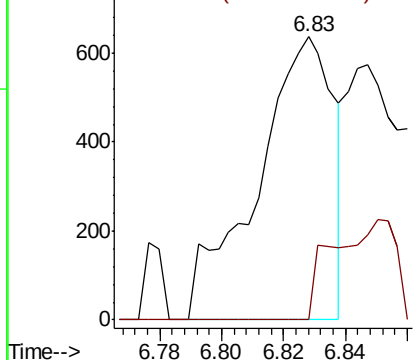


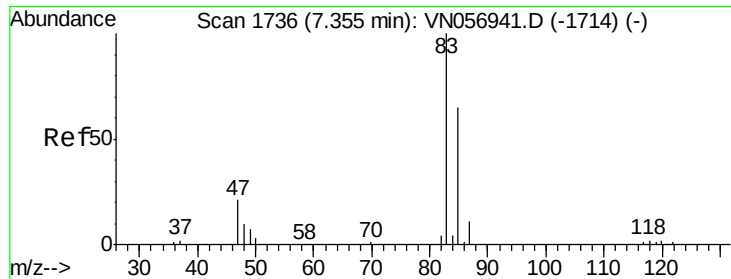
#25
2-Butanone
Concen: 0.370 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN057017.D
Acq: 31 Jul 2019 16:14

Tgt Ion:	43	Resp:	1094
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.5	32.3#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC

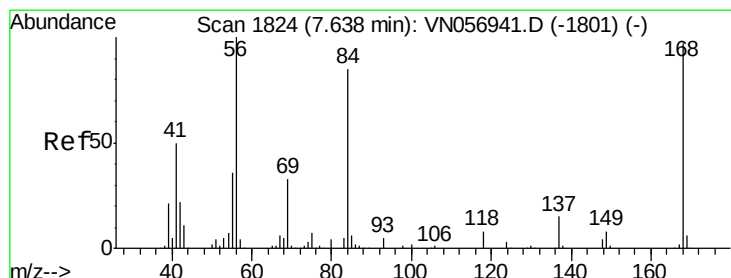
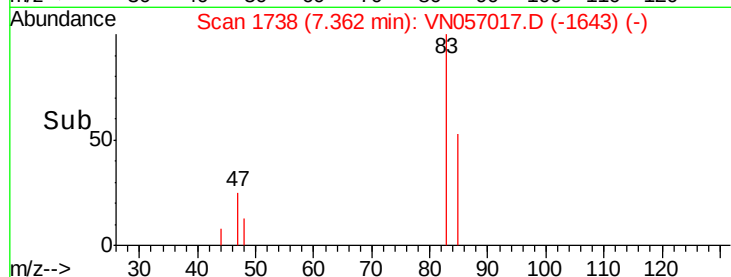
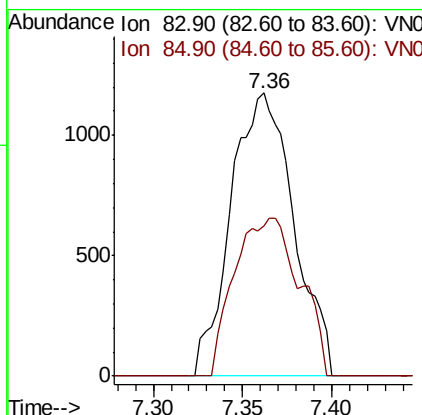
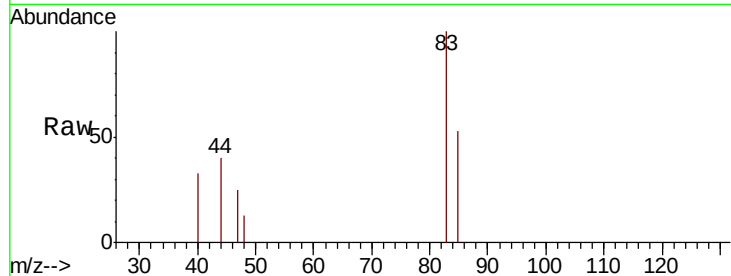




#30
Chloroform
Concen: 0.289 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN057017.D
Acq: 31 Jul 2019 16:14

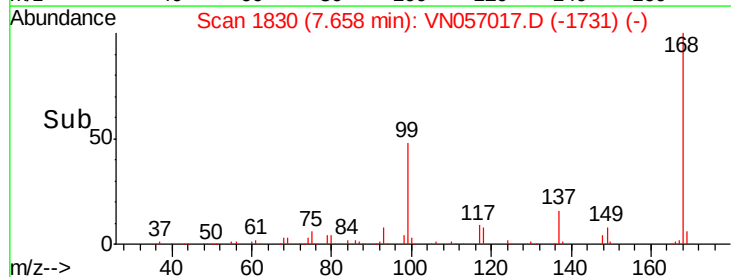
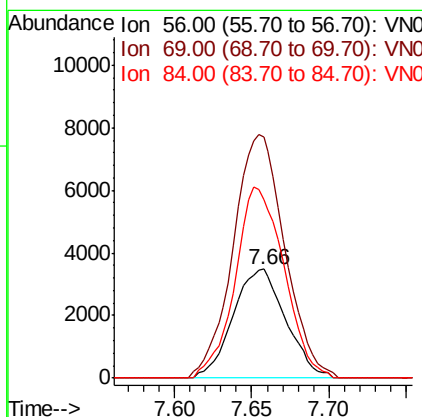
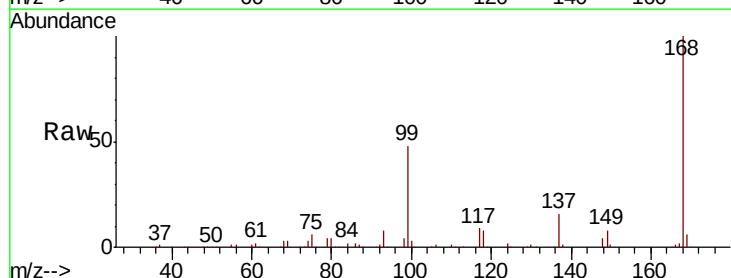
Instrument :
MSVOA_N
ClientSampled :
TP-11

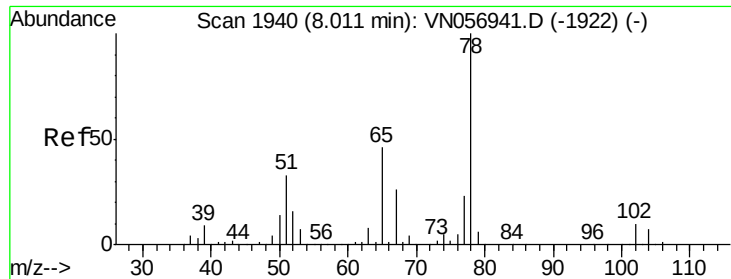
Tot Ion: 83 Resp: 2888
Ion Ratio Lower Upper
83 100
85 53.2 52.2 78.2



#31
Cyclohexane
Concen: 0.870 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.02 min
Lab File: VN057017.D
Acq: 31 Jul 2019 16:14

Tgt Ion: 56 Resp: 8238
Ion Ratio Lower Upper
56 100
69 221.1 26.2 39.2#
84 164.1 68.2 102.2#

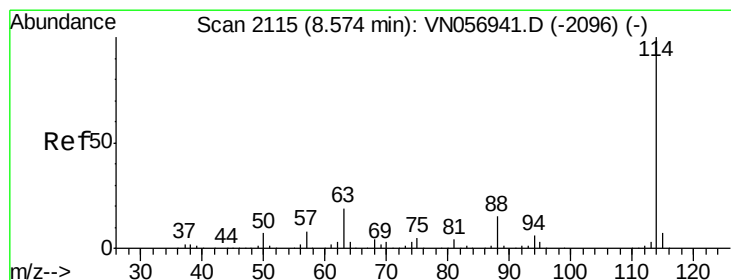
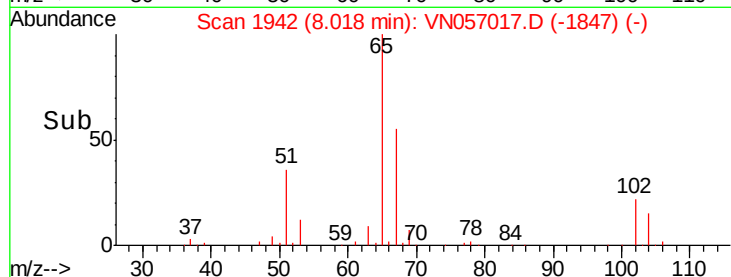
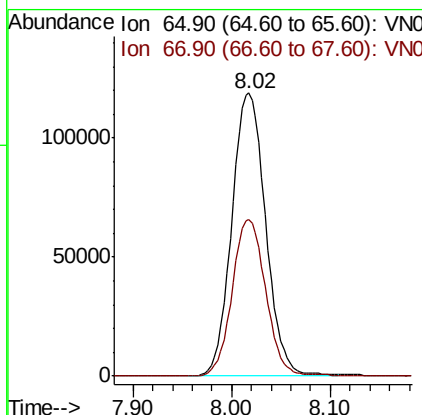
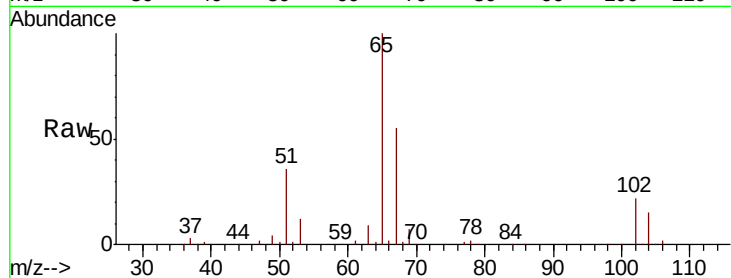




#33
 1,2-Dichloroethane-d4
 Concen: 49.324 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057017.D
 Acq: 31 Jul 2019 16:14

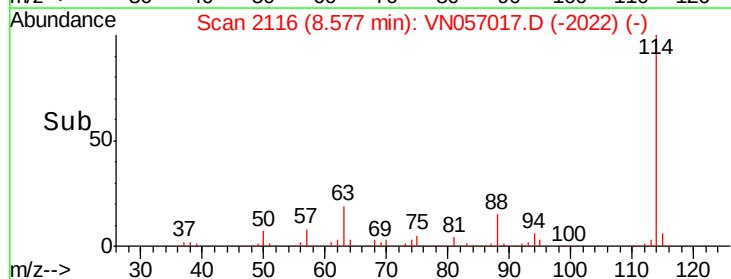
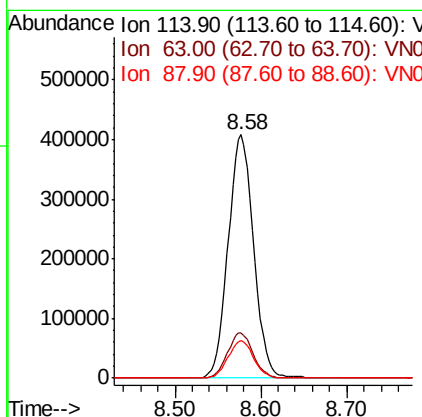
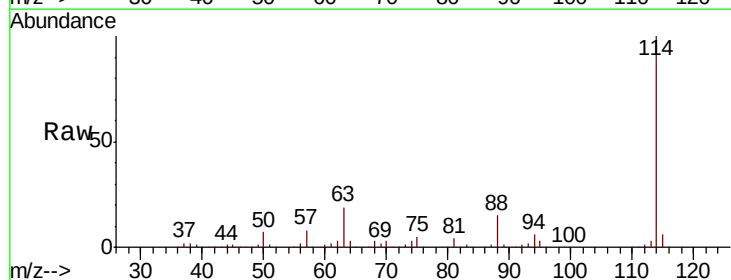
Instrument :
 MSVOA_N
 ClientSampled :
 TP-11

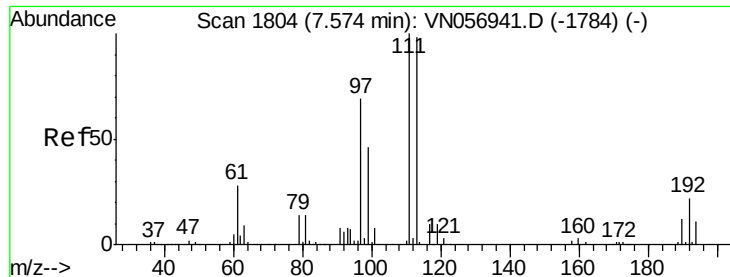
Tot Ion: 65 Resp: 284167
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057017.D
 Acq: 31 Jul 2019 16:14

Tgt Ion: 114 Resp: 838645
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.0
 88 15.4 0.0 30.0

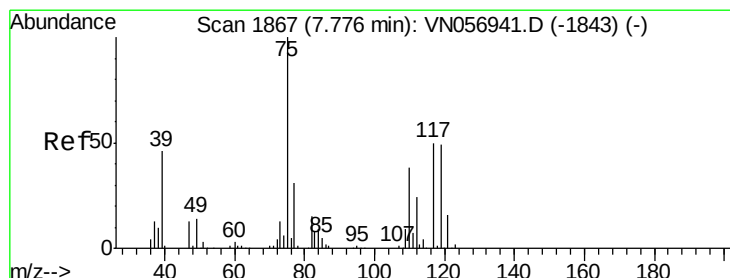
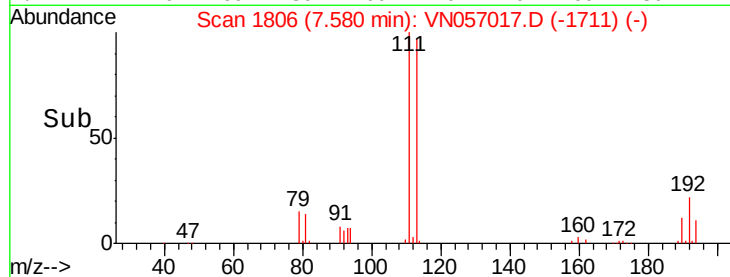
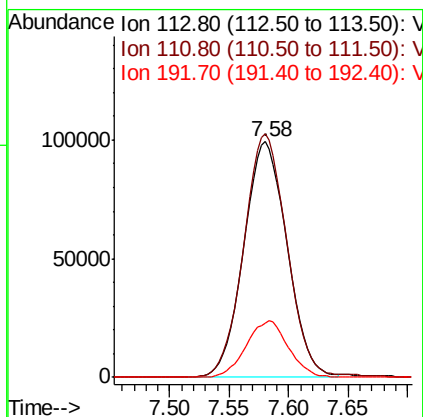
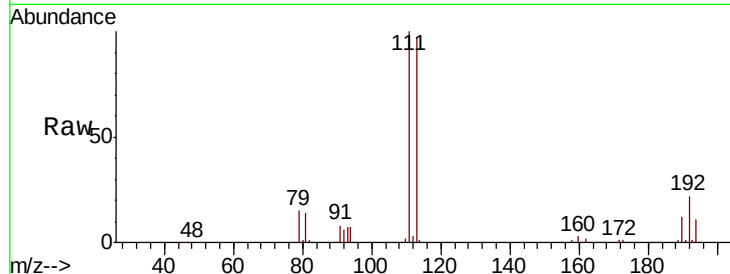




#35
 Dibromofluoromethane
 Concen: 46.676 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057017.D
 Acq: 31 Jul 2019 16:14

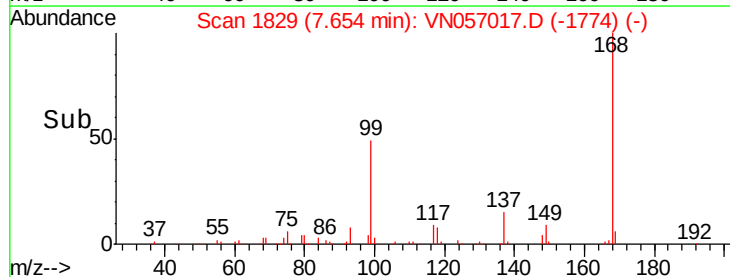
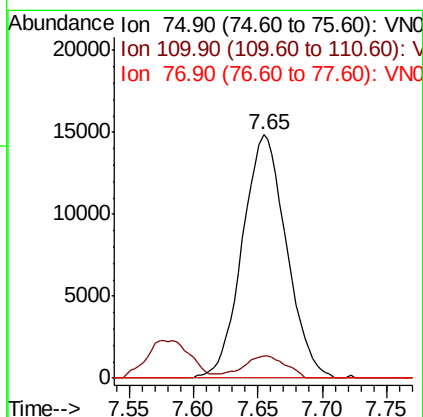
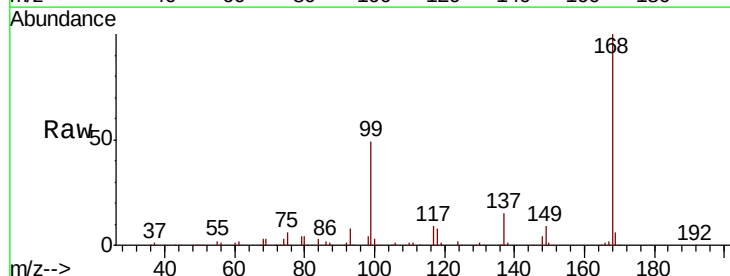
Instrument :
 MSVOA_N
 ClientSampled :
 TP-11

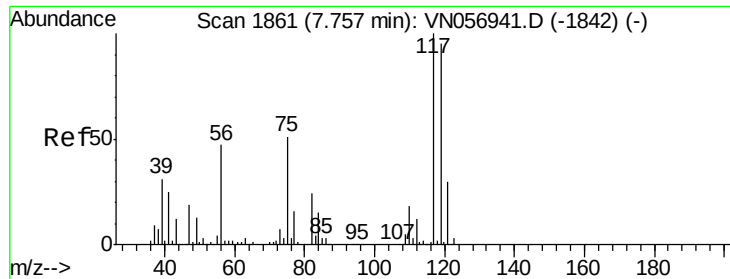
Tot Ion:113 Resp: 250591
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.0 123.0
 192 23.4 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.789 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057017.D
 Acq: 31 Jul 2019 16:14

Tgt Ion: 75 Resp: 35339
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.6 55.8#
 77 0.0 25.2 37.8#

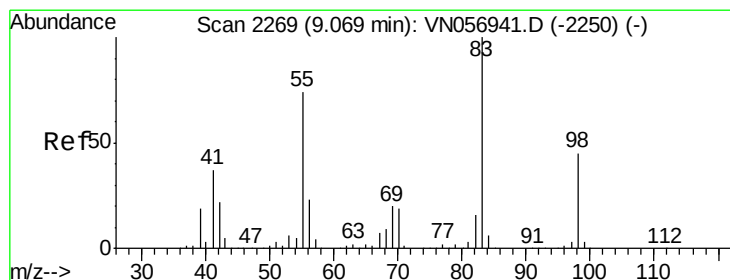
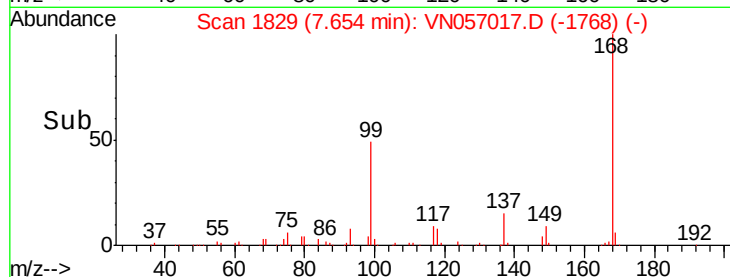
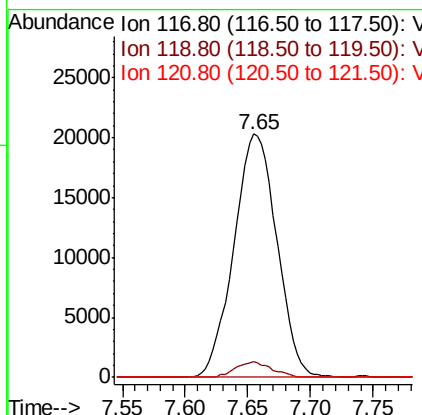
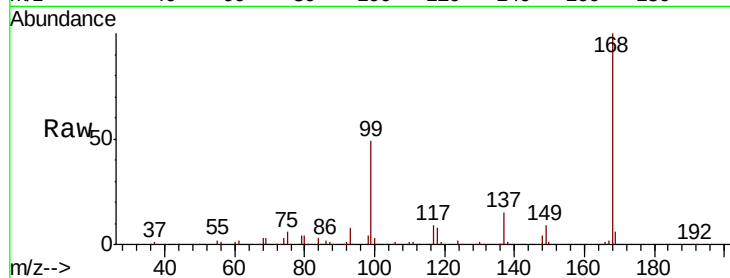




#38
Carbon Tetrachloride
Concen: 6.928 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.10 min
Lab File: VN057017.D
Acq: 31 Jul 2019 16:14

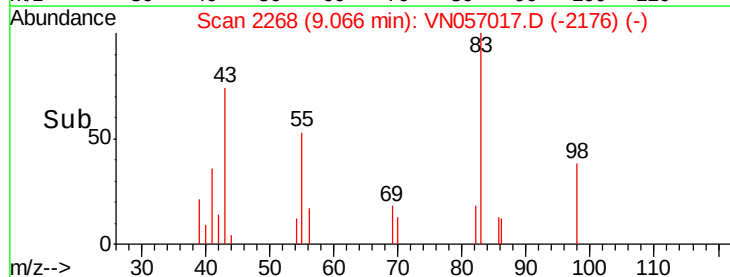
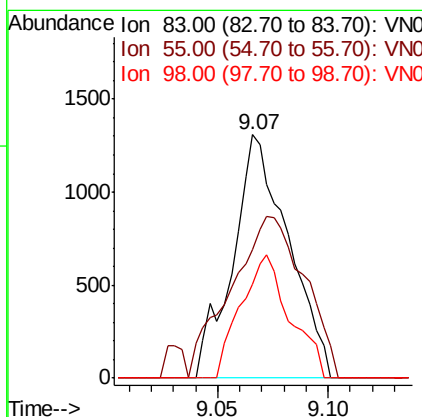
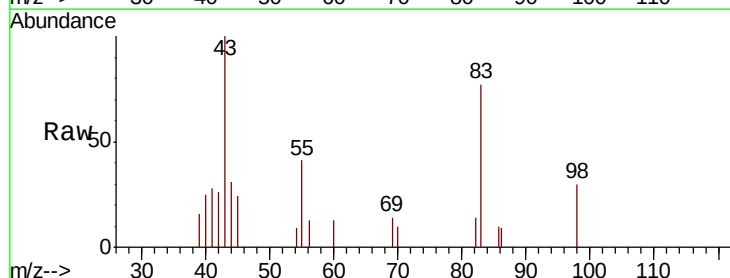
Instrument :
MSVOA_N
ClientSampled :
TP-11

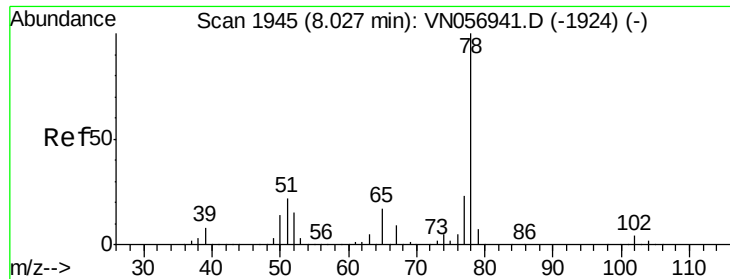
Tot Ion:117 Resp: 48363
Ion Ratio Lower Upper
117 100
119 6.2 75.3 112.9#
121 0.0 24.2 36.4#



#39
Methylcyclohexane
Concen: 0.243 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN057017.D
Acq: 31 Jul 2019 16:14

Tgt Ion: 83 Resp: 2296
Ion Ratio Lower Upper
83 100
55 52.6 59.0 88.6#
98 38.3 36.2 54.4





#40

Benzene

Concen: 0.457 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057017.D

Acq: 31 Jul 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

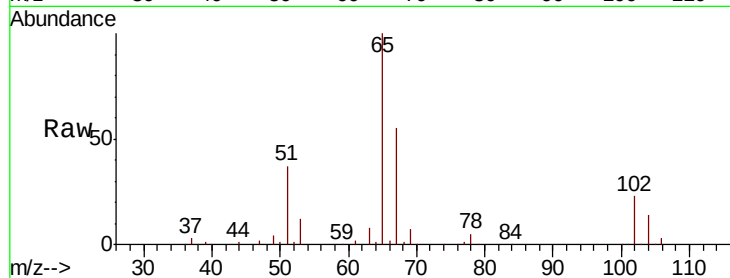
TP-11

Tot Ion: 78 Resp: 10386

Ion Ratio Lower Upper

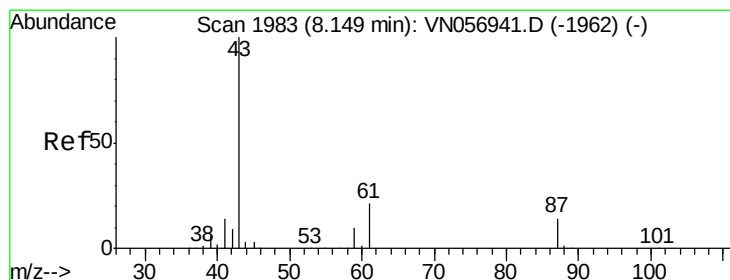
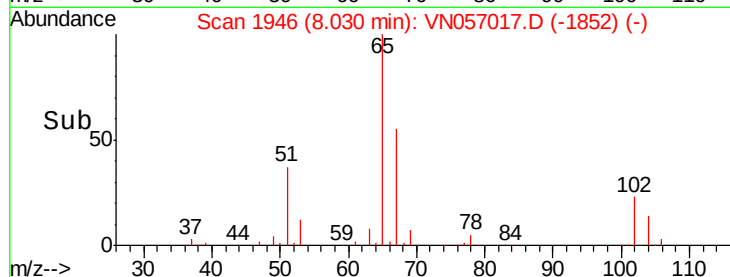
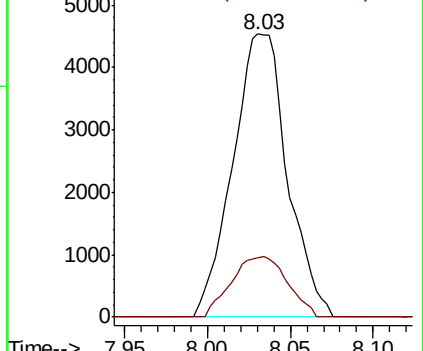
78 100

77 21.1 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#43

Isopropyl Acetate

Concen: 2.594 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.02 min

Lab File: VN057017.D

Acq: 31 Jul 2019 16:14

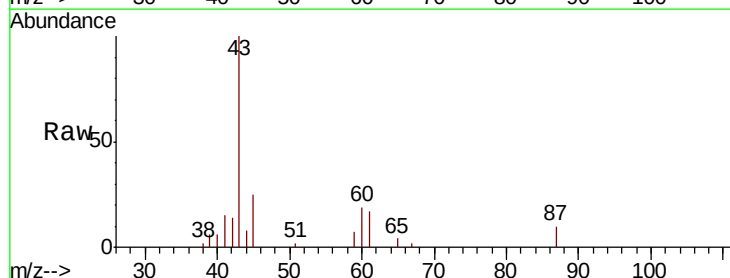
Tgt Ion: 43 Resp: 25339

Ion Ratio Lower Upper

43 100

61 18.5 23.0 34.6#

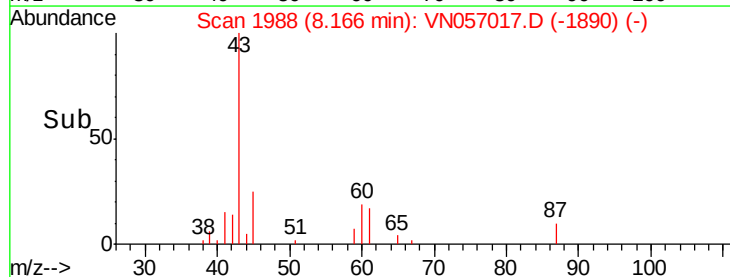
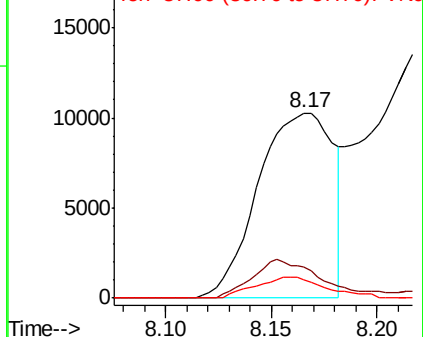
87 10.7 11.7 17.5#

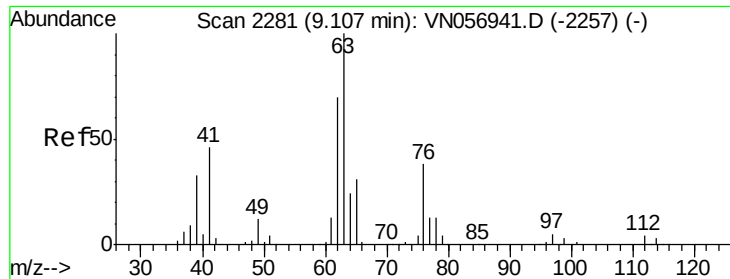


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

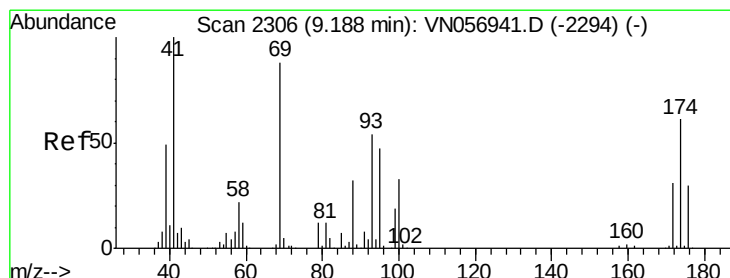
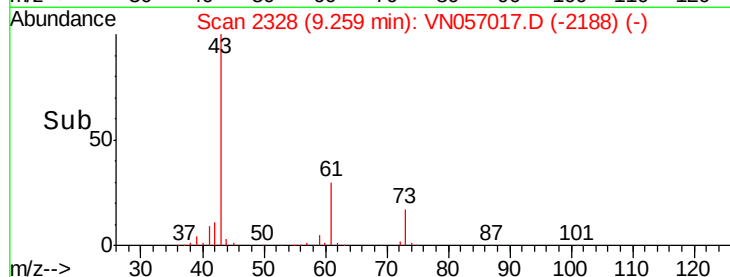
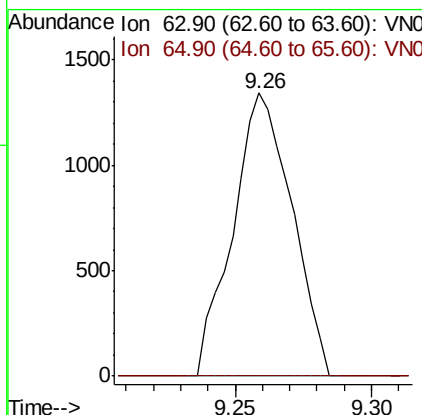
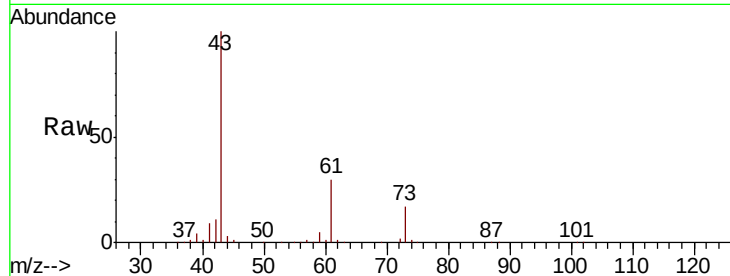




#45
 1,2-Dichloropropane
 Concen: 0.331 ug/l
 RT: 9.26 min Scan# 2328
 Delta R.T. 0.15 min
 Lab File: VN057017.D
 Acq: 31 Jul 2019 16:14

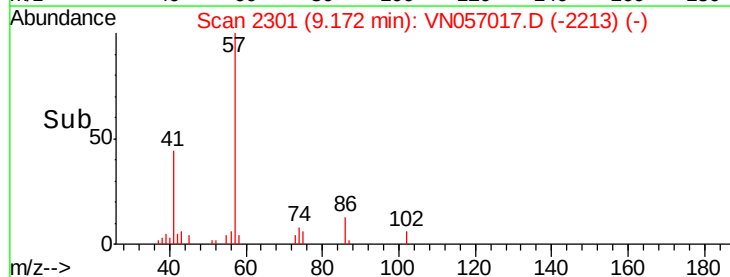
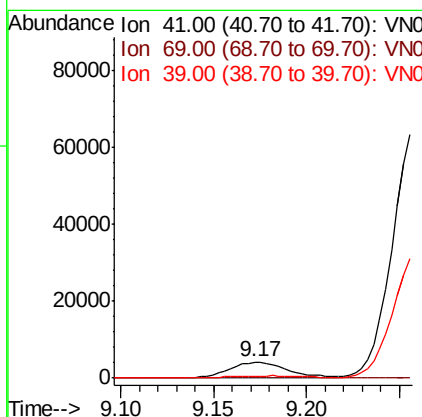
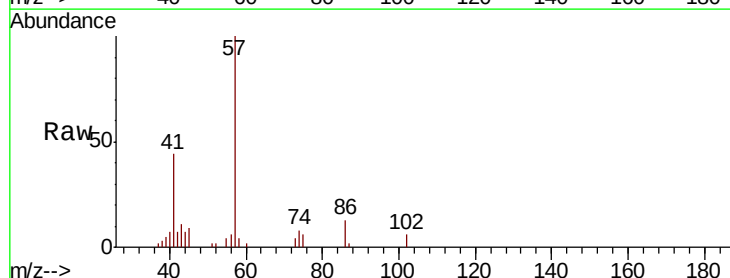
Instrument :
 MSVOA_N
 ClientSampled :
 TP-11

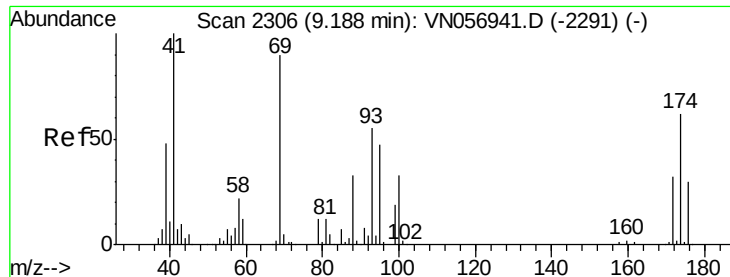
Tot Ion: 63 Resp: 2013
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 1.922 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.02 min
 Lab File: VN057017.D
 Acq: 31 Jul 2019 16:14

Tgt Ion: 41 Resp: 9065
 Ion Ratio Lower Upper
 41 100
 69 0.0 73.4 110.0#
 39 0.0 39.9 59.9#





#49

1,4-Dioxane

Concen: 0.319 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.07 min

Lab File: VN057017.D

Acq: 31 Jul 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

TP-11

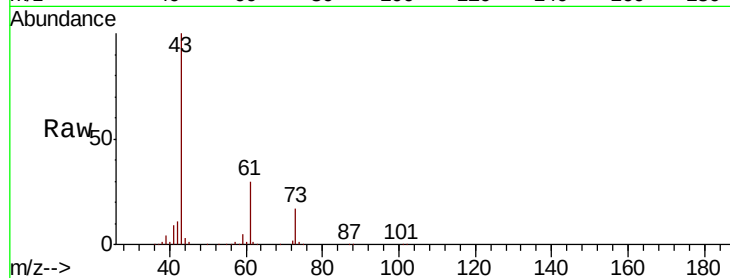
Tot Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 4510196.8 22.2 33.2#

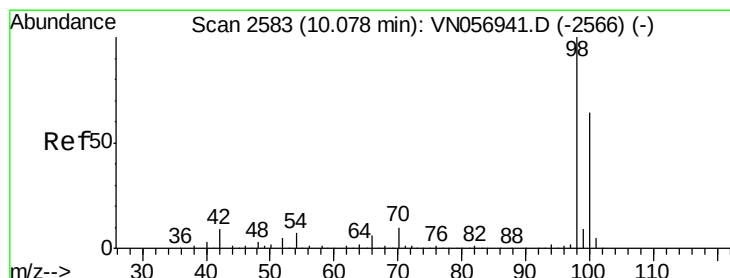
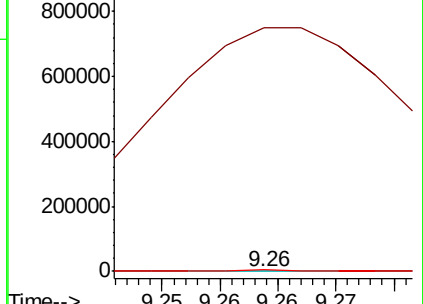
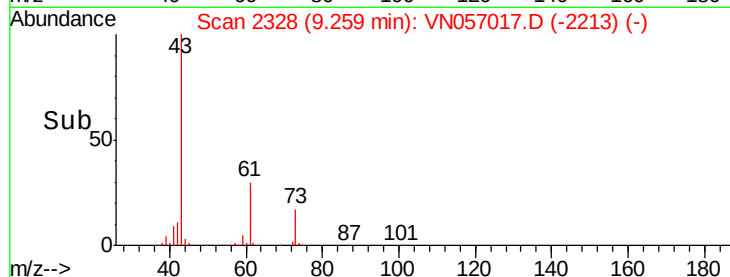
58 21687.1 54.1 81.1#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.036 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057017.D

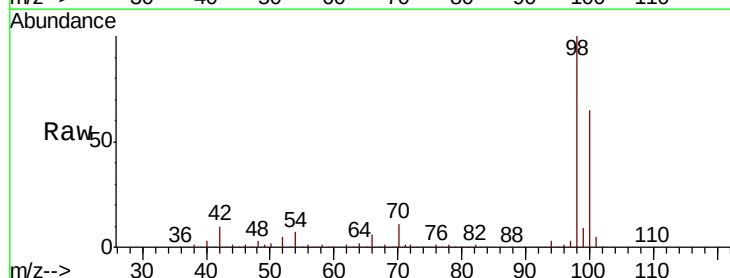
Acq: 31 Jul 2019 16:14

Tgt Ion: 98 Resp: 983473

Ion Ratio Lower Upper

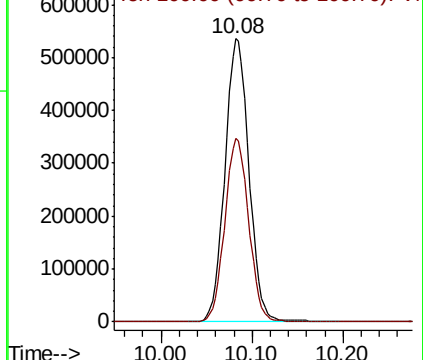
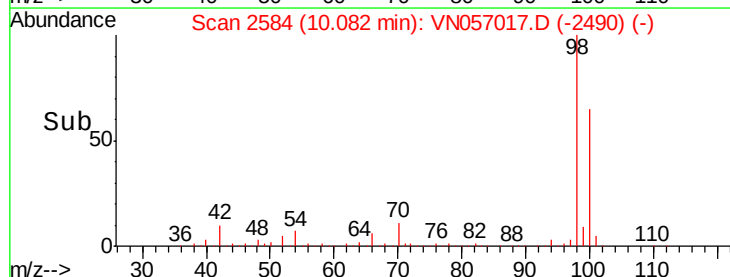
98 100

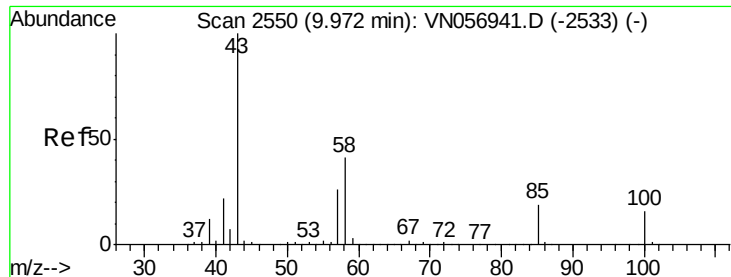
100 64.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.593 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN057017.D

Acq: 31 Jul 2019 16:14

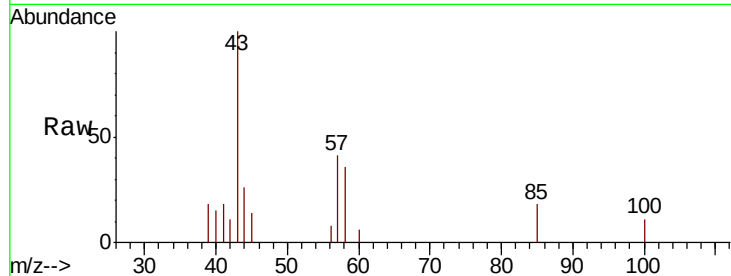
Instrument :
MSVOA_N
ClientSampled :
TP-11

Tot Ion: 43 Resp: 3442

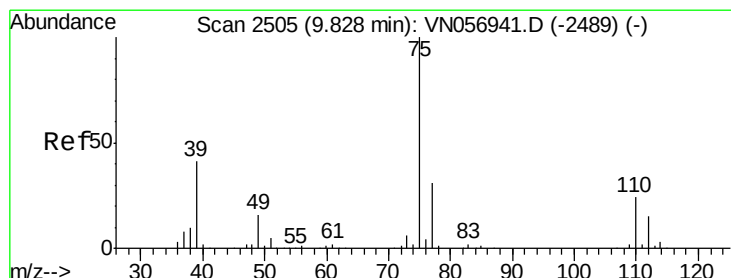
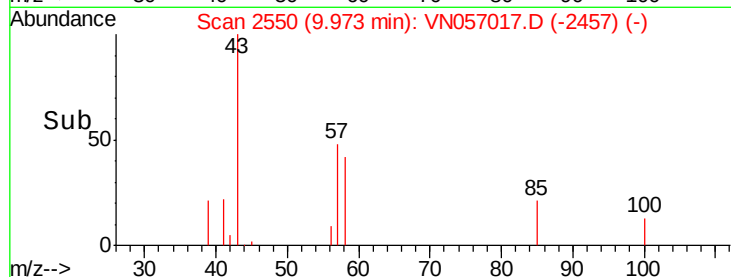
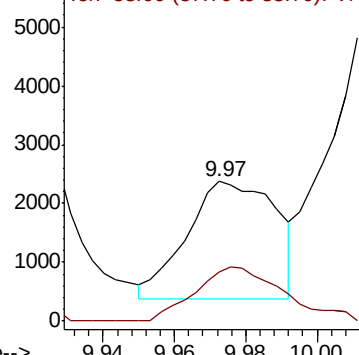
Ion Ratio Lower Upper

43 100

58 45.6 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.576 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.07 min

Lab File: VN057017.D

Acq: 31 Jul 2019 16:14

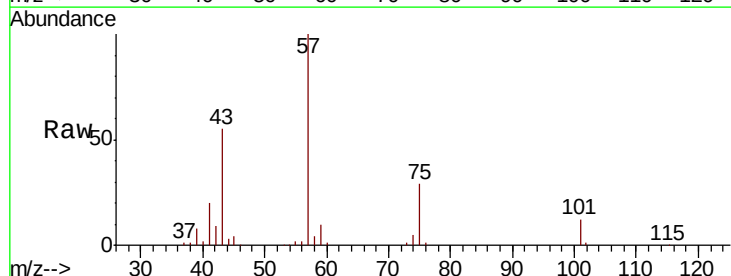
Tgt Ion: 75 Resp: 57195

Ion Ratio Lower Upper

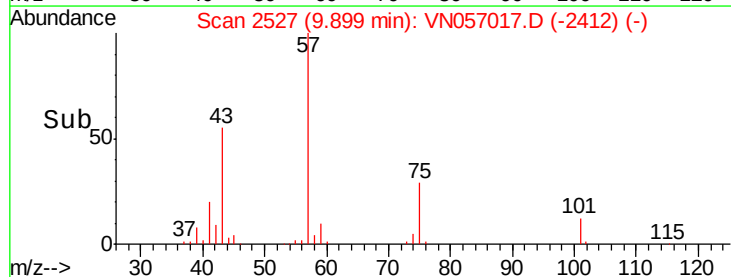
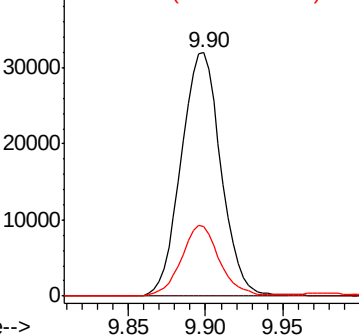
75 100

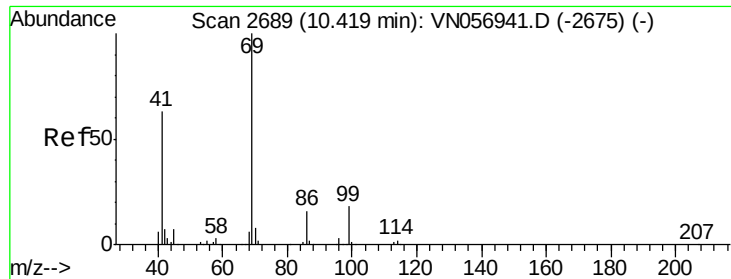
77 0.0 25.0 37.6#

39 28.3 32.6 49.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 76.90 (76.60 to 77.60): VN0
Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 1.891 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.12 min

Lab File: VN057017.D

Acq: 31 Jul 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

TP-11

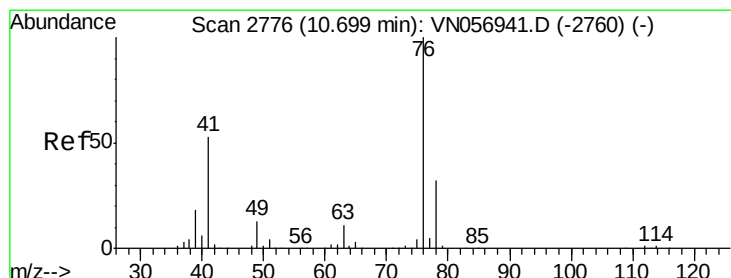
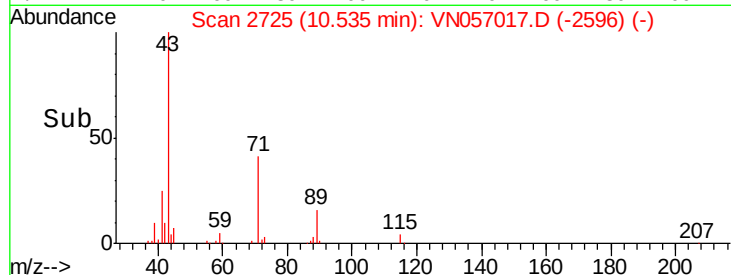
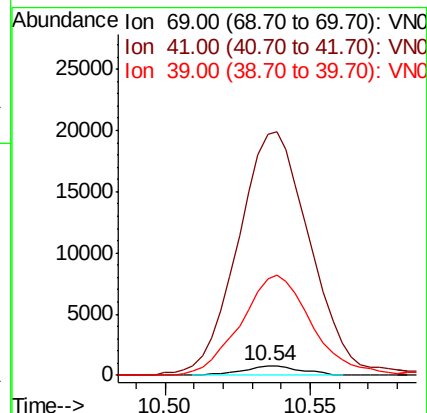
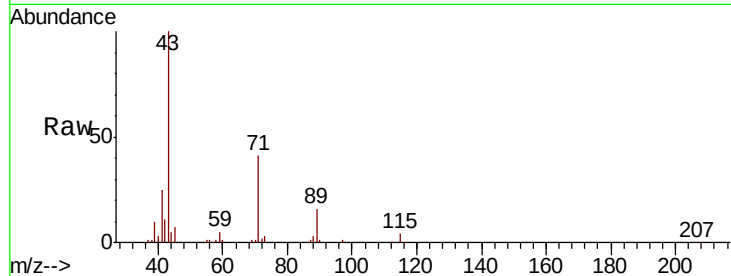
Tot Ion: 69 Resp: 1118

Ion Ratio Lower Upper

69 100

41 3113.2 49.2 73.8#

39 1243.9 23.1 34.7#



#57

1,3-Dichloropropane

Concen: 1.331 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN057017.D

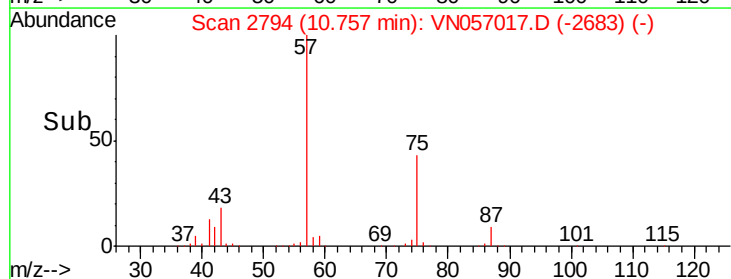
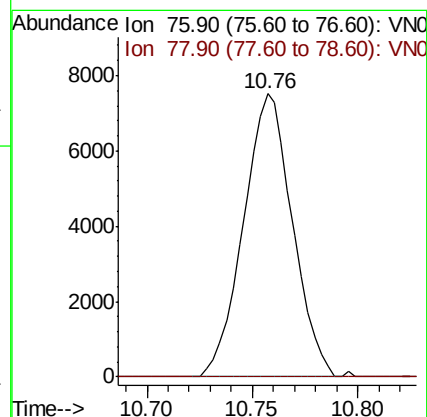
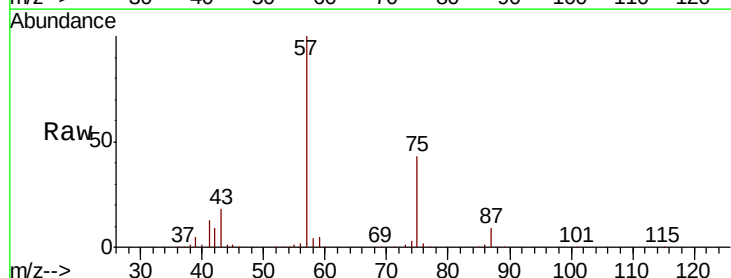
Acq: 31 Jul 2019 16:14

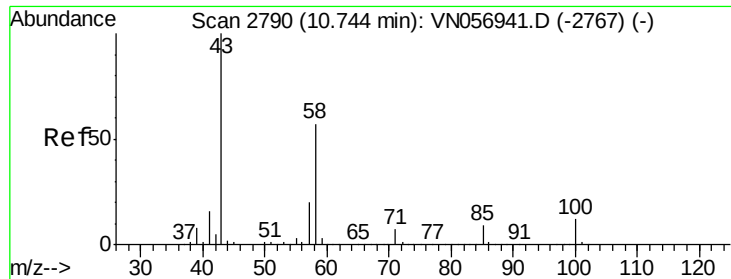
Tgt Ion: 76 Resp: 12090

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#

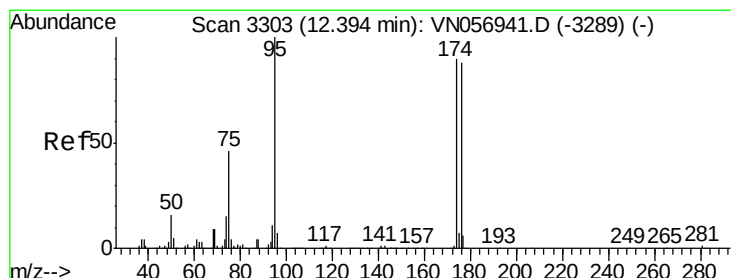
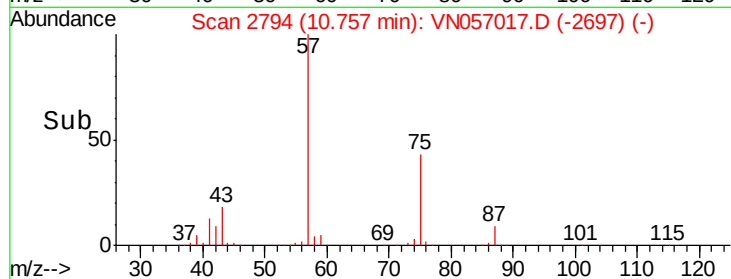
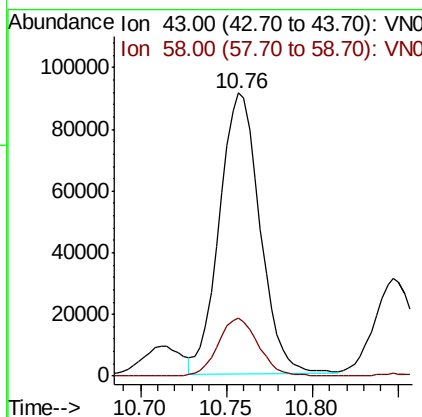
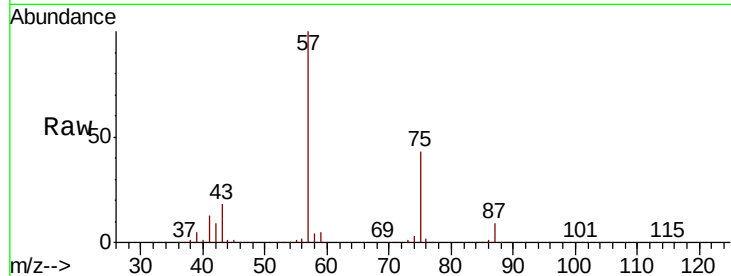




#59
2-Hexanone
Concen: 35.718 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN057017.D
Acq: 31 Jul 2019 16:14

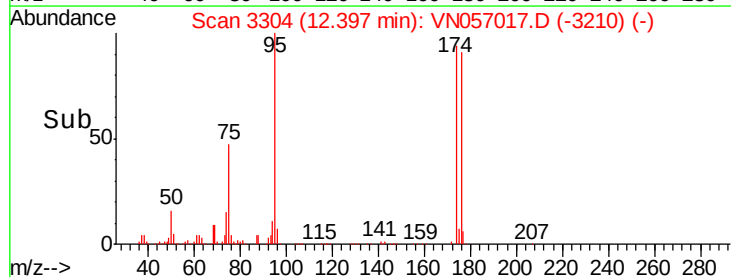
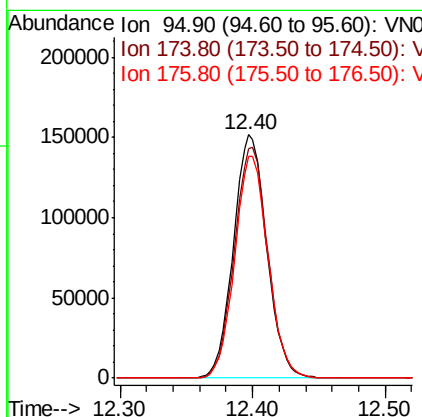
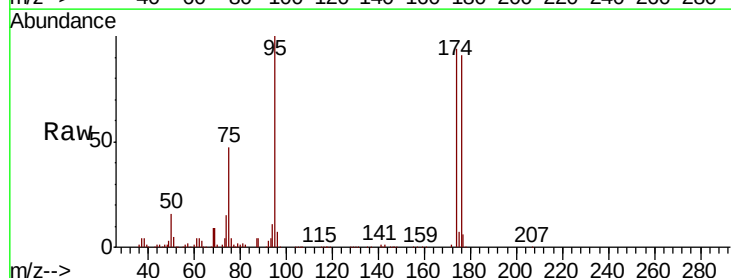
Instrument :
MSVOA_N
ClientSampled :
TP-11

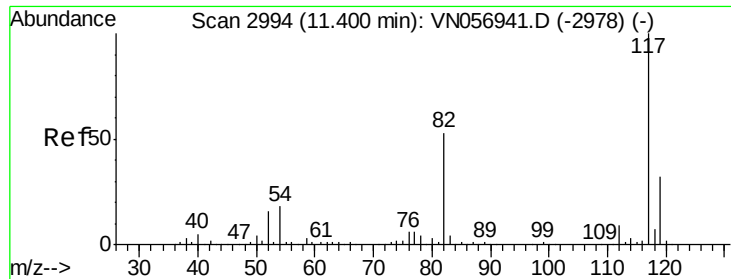
Tot Ion: 43 Resp: 149977
Ion Ratio Lower Upper
43 100
58 20.8 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 39.616 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057017.D
Acq: 31 Jul 2019 16:14

Tgt Ion: 95 Resp: 264045
Ion Ratio Lower Upper
95 100
174 95.9 0.0 182.2
176 91.4 0.0 179.4

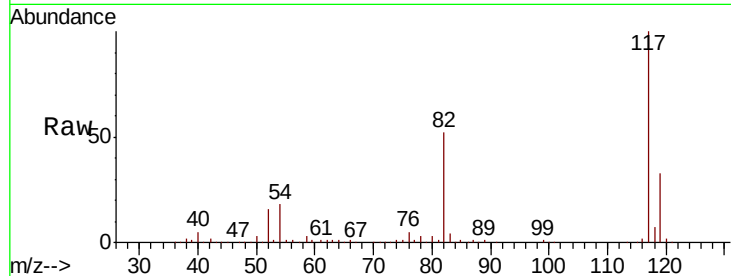




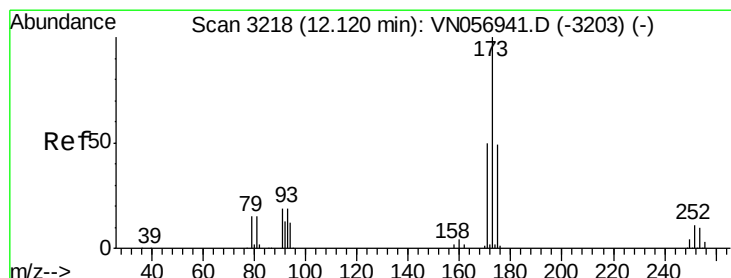
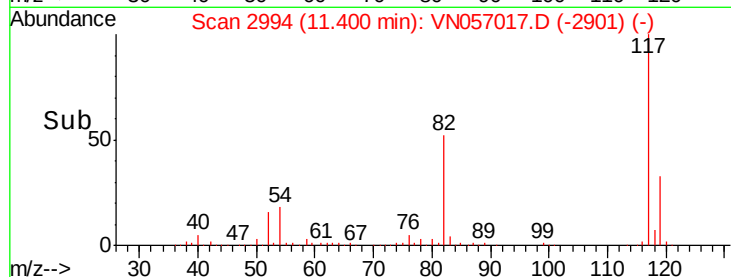
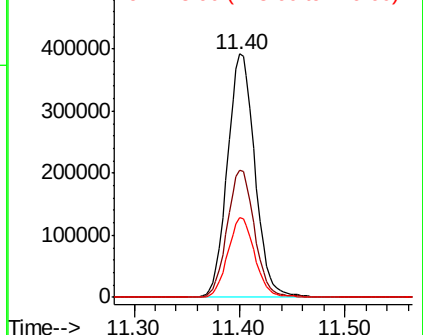
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057017.D
Acq: 31 Jul 2019 16:14

Instrument :
MSVOA_N
ClientSampled :
TP-11

Tot Ion:117 Resp: 704776
Ion Ratio Lower Upper
117 100
82 52.3 42.2 63.4
119 32.5 25.8 38.6

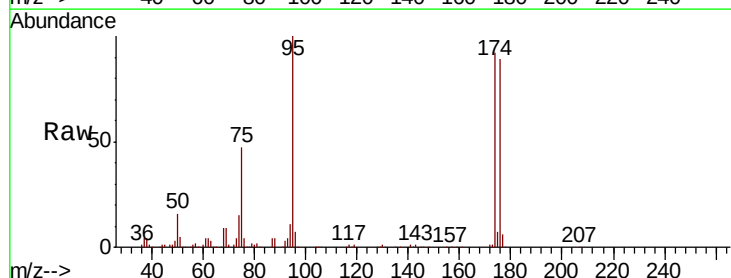


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

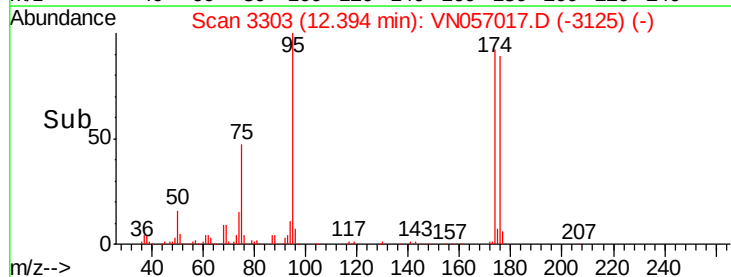
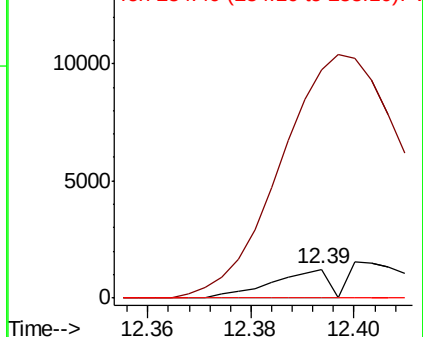


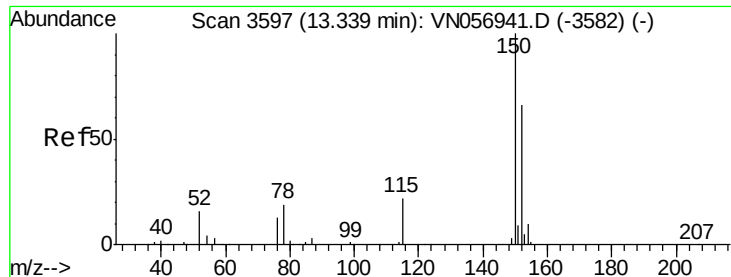
#71
Bromoform
Concen: 0.241 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN057017.D
Acq: 31 Jul 2019 16:14

Tgt Ion:173 Resp: 911
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
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



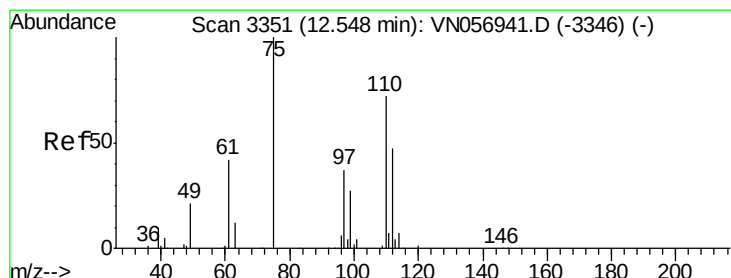
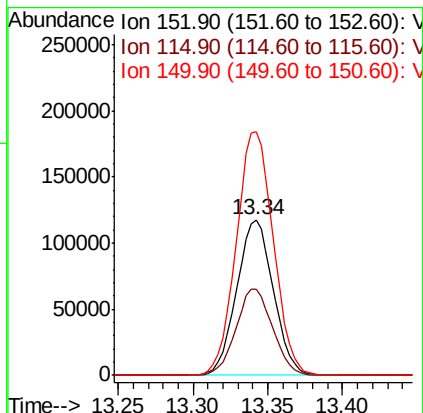
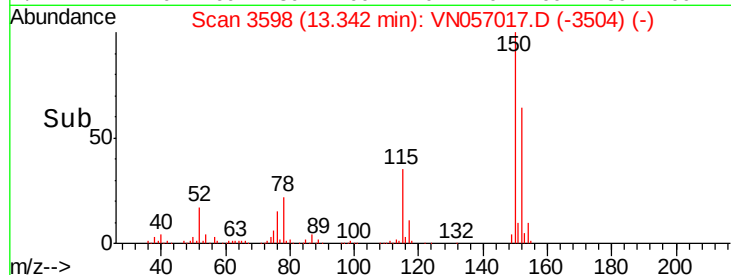
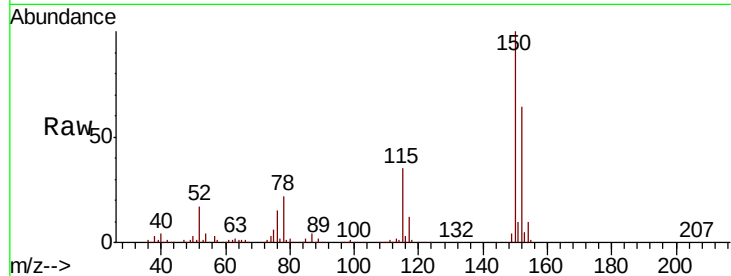


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN057017.D
Acq: 31 Jul 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
TP-11

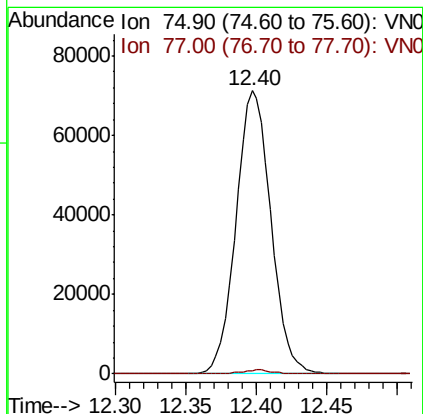
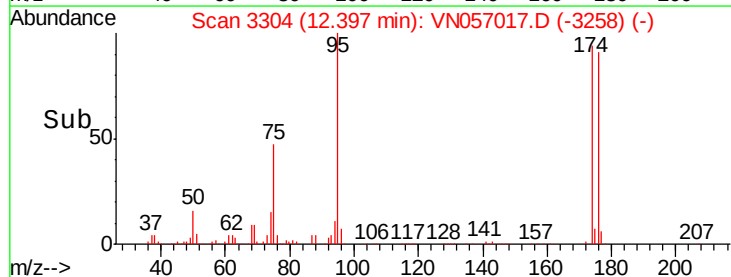
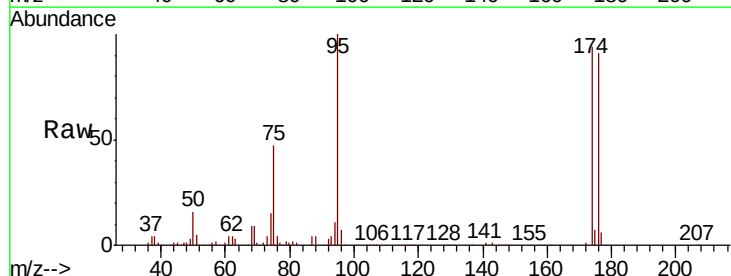
Tot Ion:152 Resp: 199823
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.6
150 158.9 0.0 349.4

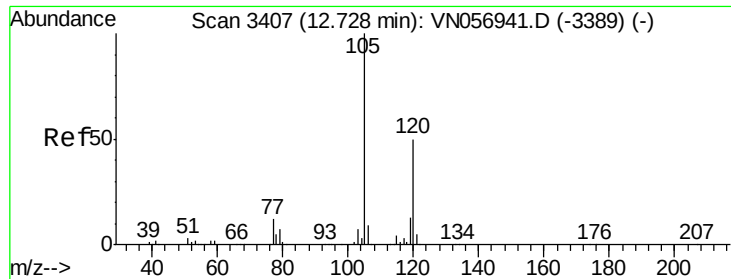


#76

1,2,3-Trichloropropane
Concen: 30.416 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN057017.D
Acq: 31 Jul 2019 16:14

Tgt Ion: 75 Resp: 123429
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.547 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN057017.D

Acq: 31 Jul 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

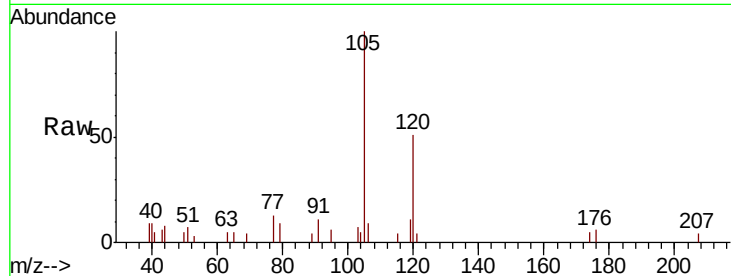
TP-11

Tot Ion:105 Resp: 7754

Ion Ratio Lower Upper

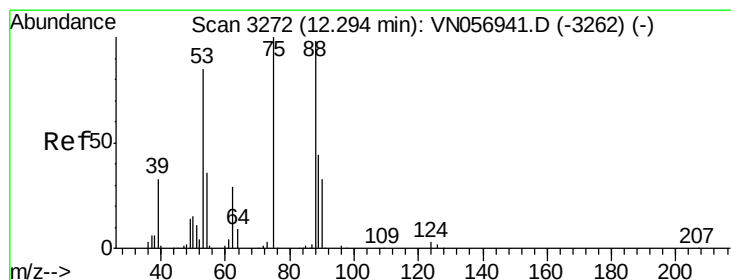
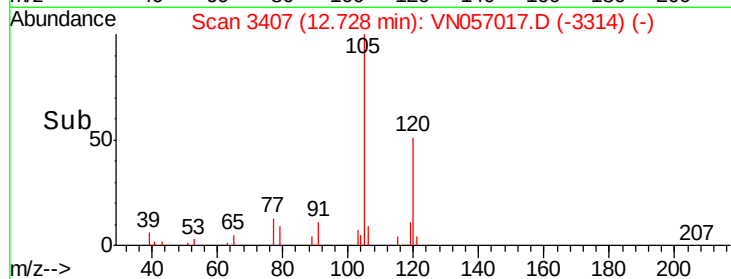
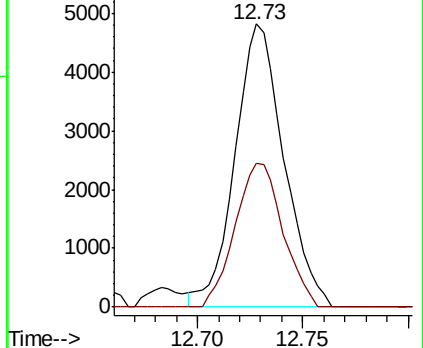
105 100

120 49.6 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 97.725 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057017.D

Acq: 31 Jul 2019 16:14

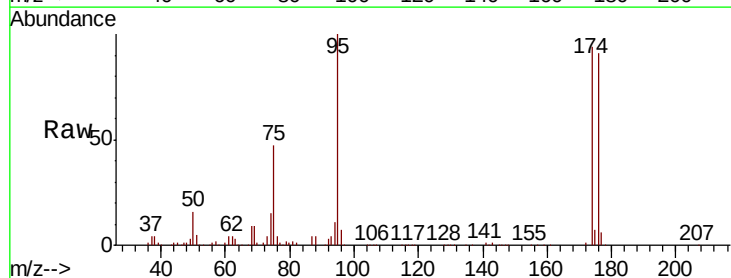
Tgt Ion: 75 Resp: 123429

Ion Ratio Lower Upper

75 100

53 0.1 69.3 103.9#

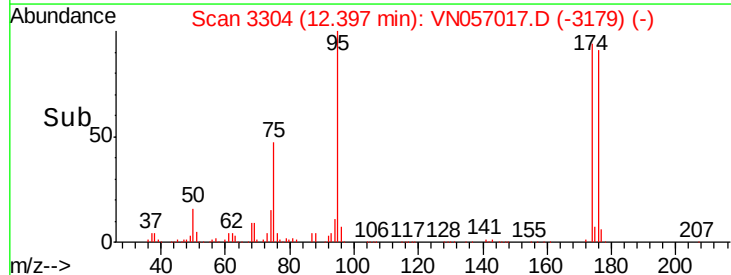
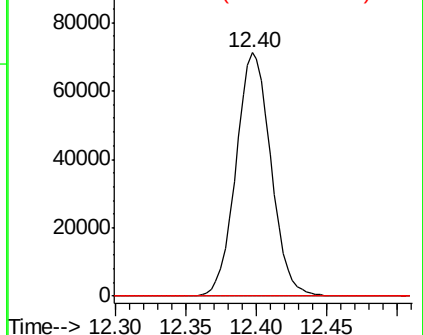
89 0.0 35.8 53.6#

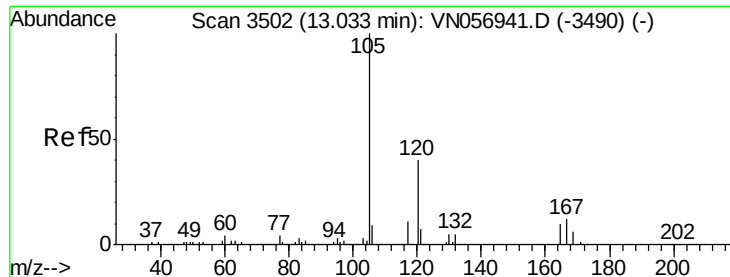


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

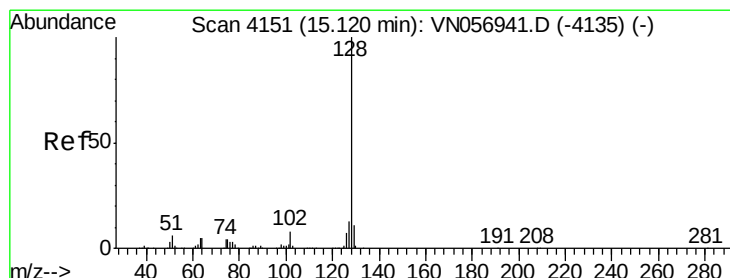
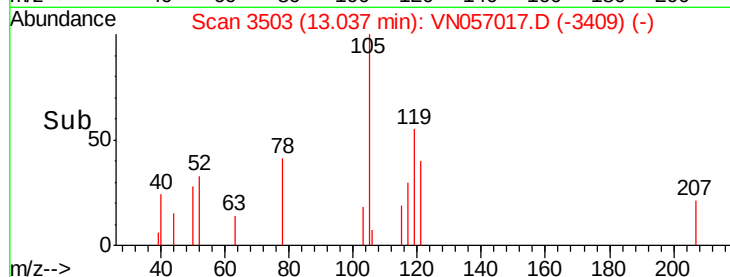
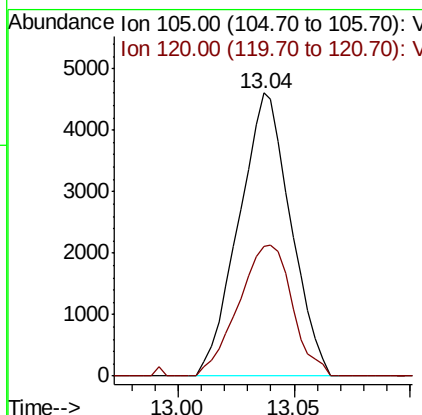
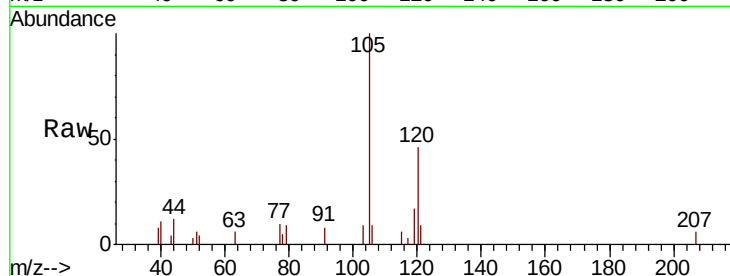




#84
 1,2,4-Trimethylbenzene
 Concen: 0.525 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN057017.D
 Acq: 31 Jul 2019 16:14

Instrument :
 MSVOA_N
 ClientSampled :
 TP-11

Tot Ion:105 Resp: 7166
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.2 69.6



#95
 Naphthalene
 Concen: 3.681 ug/l
 RT: 15.13 min Scan# 4153
 Delta R.T. 0.01 min
 Lab File: VN057017.D
 Acq: 31 Jul 2019 16:14

Tgt Ion:128 Resp: 849
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 0.0 8.7 13.1#

