

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057909.D
 Acq On : 11 Sep 2019 9:11
 Operator : JC/SP
 Sample : K4753-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-2-RAGS

Quant Time: Sep 12 01:30:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	308709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	518538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	498867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	330047	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	327848	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
35) Dibromofluoromethane	7.58	113	225373	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
50) Toluene-d8	10.09	98	951019	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.40	95	362808	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds					Qvalue
5) Bromomethane	2.53	94	117	Below Cal	# 2
13) Acrolein	3.58	56	472	0.735	ug/l # 14
16) Acetone	3.80	43	33539	16.363	ug/l # 99
17) Carbon Disulfide	4.02	76	6309	1.388	ug/l # 94
18) Methyl Acetate	4.31	43	14392	2.633	ug/l # 94
20) Methylene Chloride	4.53	84	41063	9.527	ug/l # 98
25) 2-Butanone	6.82	43	59759	20.143	ug/l # 96
29) Tetrahydrofuran	7.20	42	124174	67.926	ug/l # 97
31) Cyclohexane	7.64	56	67470	10.230	ug/l # 91
36) 1,1-Dichloropropene	7.65	75	28332	4.711	ug/l # 50
37) Ethyl Acetate	6.82	43	59759	9.618	ug/l # 72
38) Carbon Tetrachloride	7.65	117	33566	6.114	ug/l # 15
39) Methylcyclohexane	9.07	83	113800	18.001	ug/l # 94
40) Benzene	8.03	78	962836	53.180	ug/l # 99
41) Methacrylonitrile	7.19	41	75324	26.707	ug/l # 37
42) 1,2-Dichloroethane	8.03	62	9291	1.283	ug/l # 87
43) Isopropyl Acetate	8.16	43	57722	5.524	ug/l # 91
45) 1,2-Dichloropropane	9.06	63	1822	0.346	ug/l # 1
48) Methyl methacrylate	9.17	41	11299	2.132	ug/l # 42
49) 1,4-Dioxane	9.39	88	35	0.390	ug/l # 23
51) 4-Methyl-2-Pentanone	9.98	43	6369	1.030	ug/l # 96
52) Toluene	10.15	92	4737522	415.454	ug/l # 62
53) t-1,3-Dichloropropene	10.15	75	84789	12.665	ug/l # 1
54) cis-1,3-Dichloropropene	9.90	75	9890	1.338	ug/l # 68
55) 1,1,2-Trichloroethane	10.53	97	22820	4.724	ug/l # 18
56) Ethyl methacrylate	10.43	69	7273	1.000	ug/l # 12
59) 2-Hexanone	10.76	43	29219	6.305	ug/l # 62
67) Ethyl Benzene	11.51	91	3918369	171.253	ug/l # 69
68) m/p-Xylenes	11.62	106	4923742	587.476	ug/l # 50
69) o-Xylene	11.95	106	3425976	411.176	ug/l # 55
70) Styrene	11.95	104	196988	13.737	ug/l # 1
71) Bromoform	12.40	173	622	0.220	ug/l # 30
73) Isopropylbenzene	12.25	105	681141	26.596	ug/l # 99
76) 1,2,3-Trichloropropane	12.59	75	8963	1.200	ug/l # 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

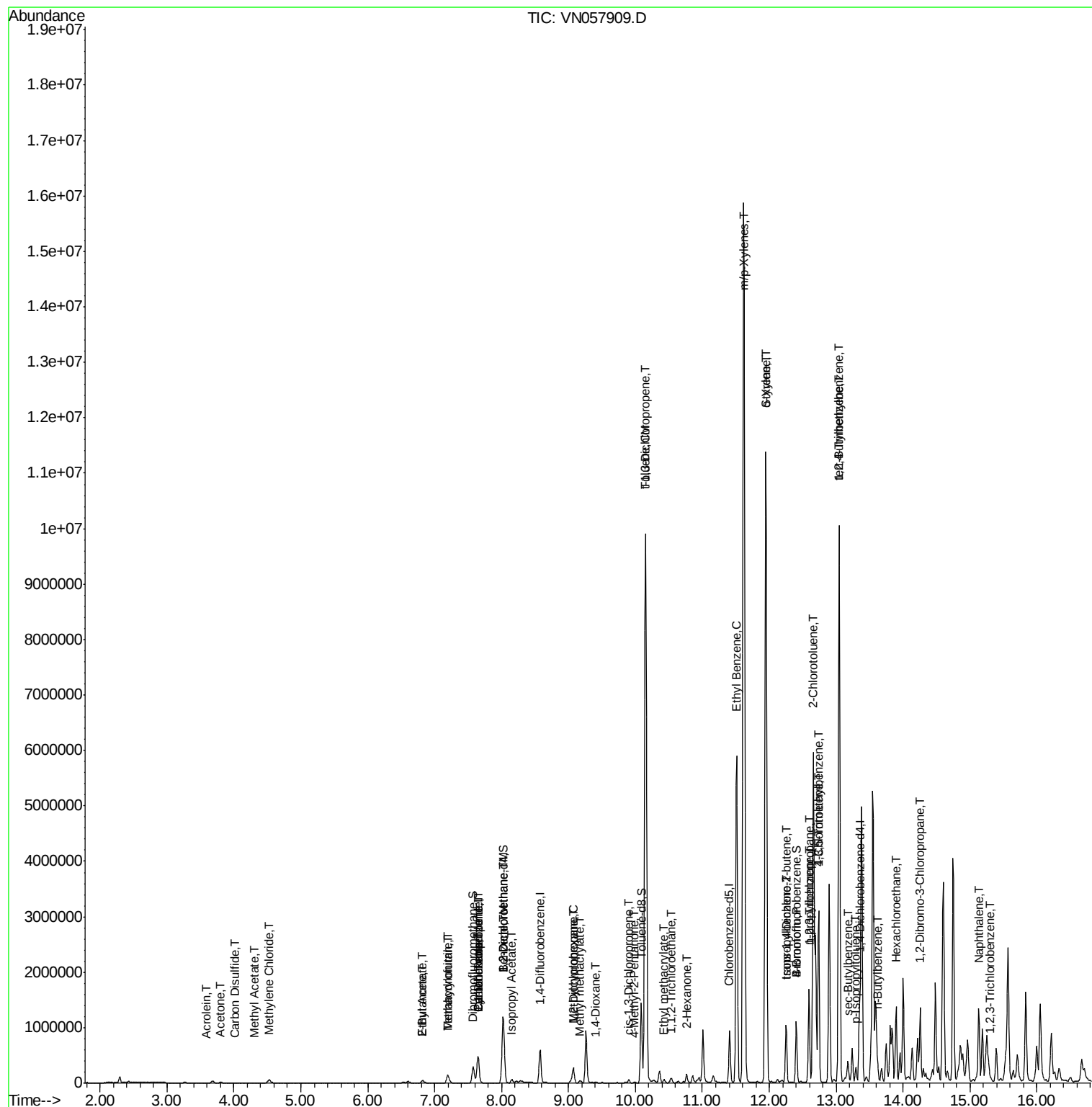
78) n-propylbenzene	12.60	91	1318873	44.846	ug/l	99
79) 2-Chlorotoluene	12.66	91	540772	29.094	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.74	105	1620653	74.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.25	75	9273	4.371	ug/l #	72
82) 4-Chlorotoluene	12.74	91	181761	9.522	ug/l #	43
83) tert-Butylbenzene	13.05	119	844863	43.922	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.04	105	4386438	199.445	ug/l	69
85) sec-Butylbenzene	13.18	105	250514	9.826	ug/l	92
86) p-Isopropyltoluene	13.30	119	146647	6.528	ug/l	98
89) n-Butylbenzene	13.62	91	150468	7.093	ug/l #	71
90) Hexachloroethane	13.89	117	63937	19.138	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.26	75	6450	4.529	ug/l #	6
95) Naphthalene	15.13	128	1035644	53.719	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	177	1.024	ug/l #	6

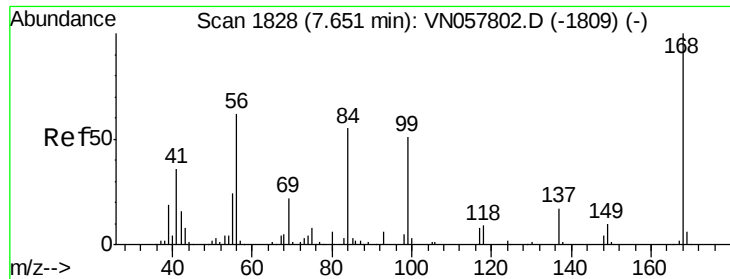
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

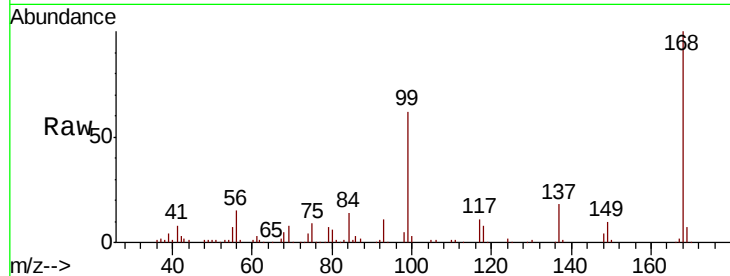
DRUM-2-RAGS

Tgt Ion: 168 Resp: 308709

Ion Ratio Lower Upper

168 100

99 61.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

7.65

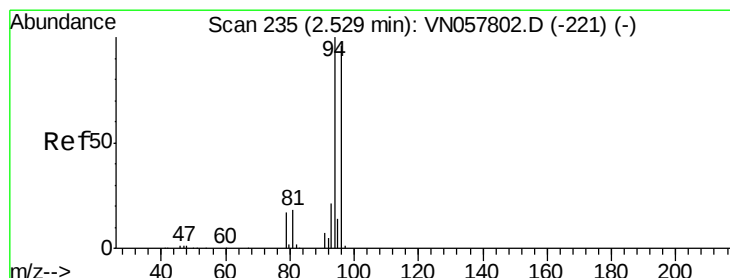
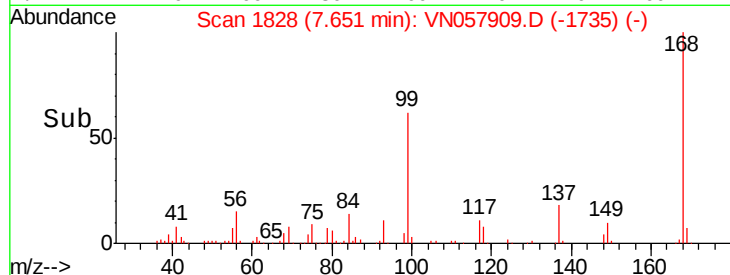
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN057909.D

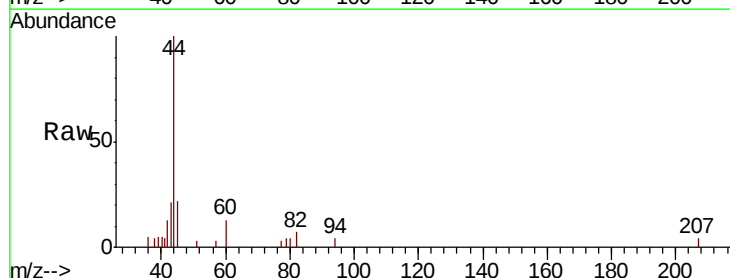
Acq: 11 Sep 2019 9:11

Tgt Ion: 94 Resp: 117

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN057802.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN057802.D (-221) (-)

2.53

250

200

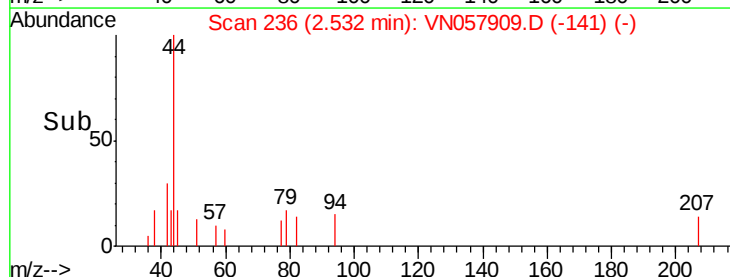
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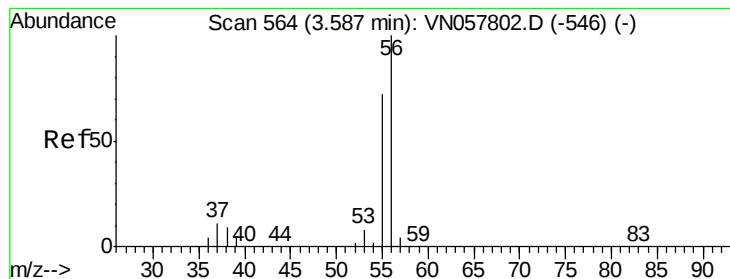
100

50

0

Time-->





#13

Acrolein

Concen: 0.735 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampled :

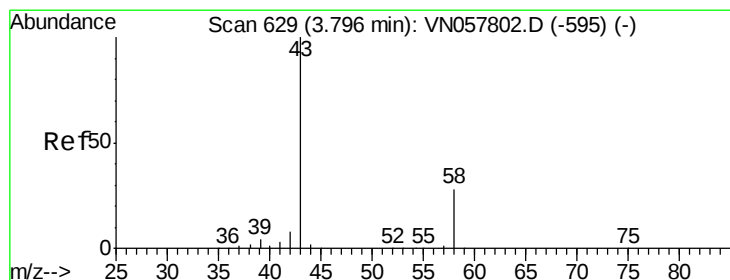
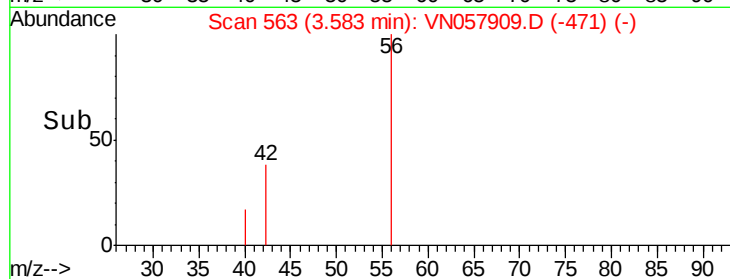
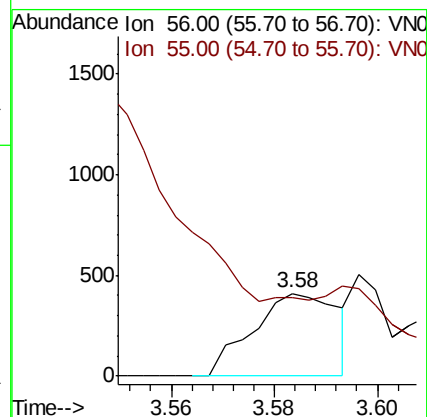
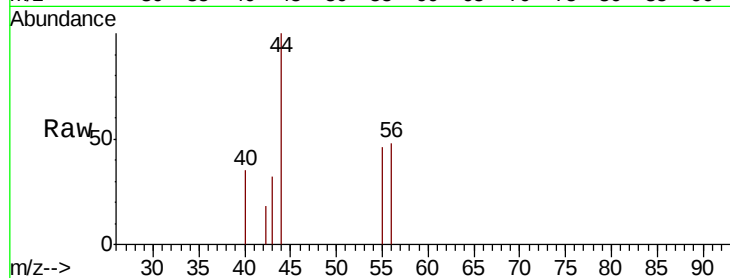
DRUM-2-RAGS

Tgt Ion: 56 Resp: 472

Ion Ratio Lower Upper

56 100

55 0.0 57.3 85.9#



#16

Acetone

Concen: 16.363 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057909.D

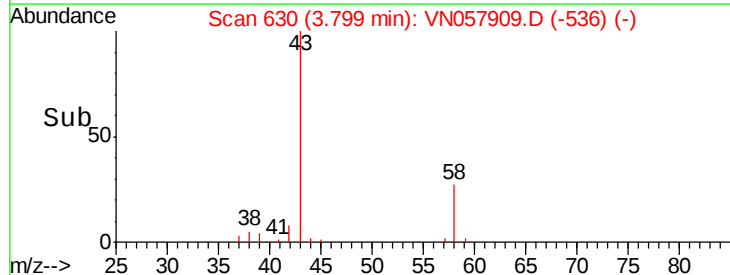
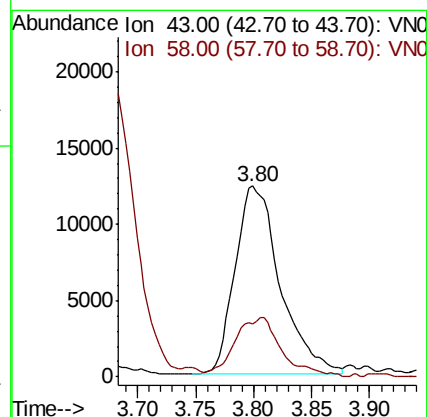
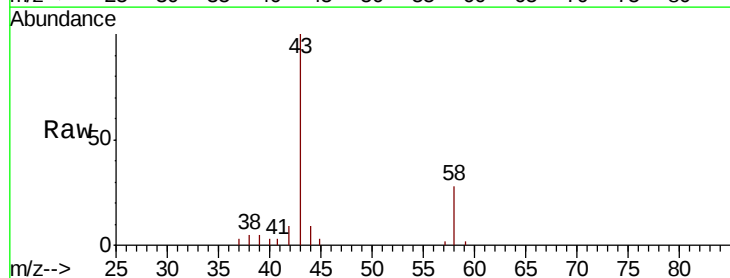
Acq: 11 Sep 2019 9:11

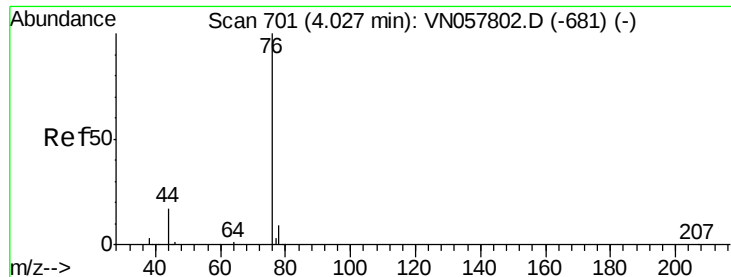
Tgt Ion: 43 Resp: 33539

Ion Ratio Lower Upper

43 100

58 28.2 22.2 33.2

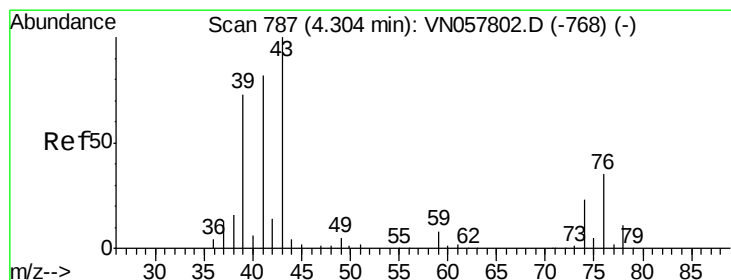
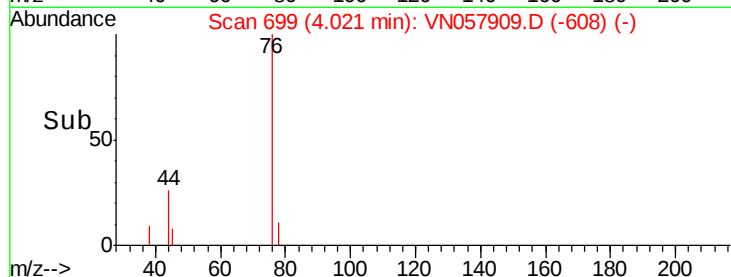
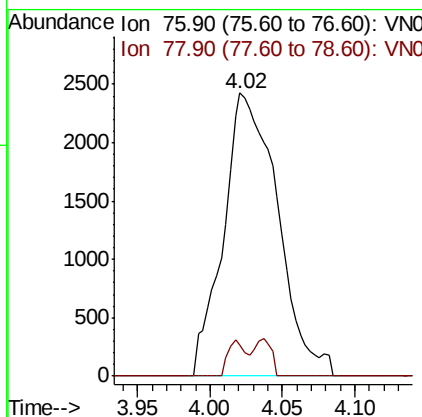
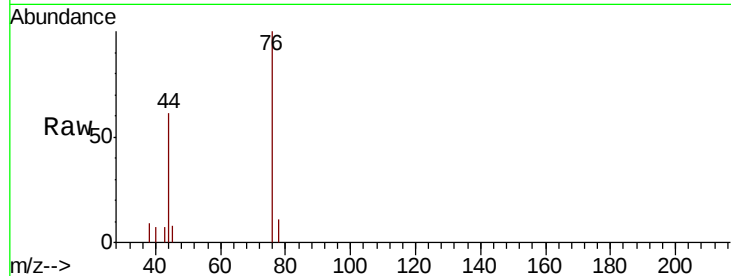




#17
Carbon Disulfide
Concen: 1.388 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.01 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

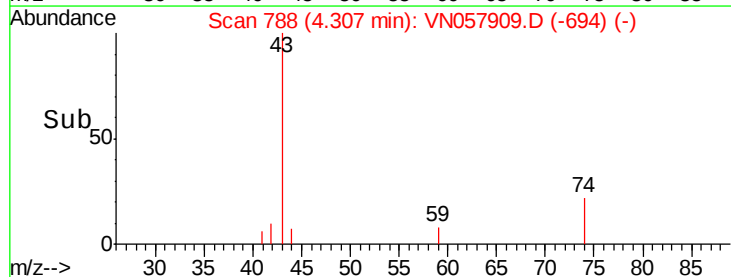
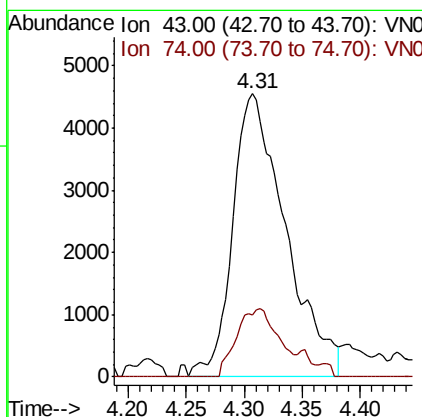
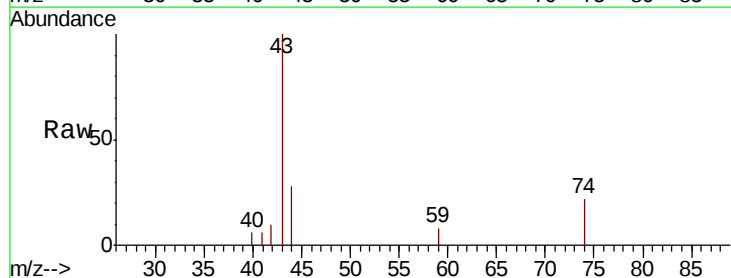
Instrument :
MSVOA_N
ClientSampled :
DRUM-2-RAGS

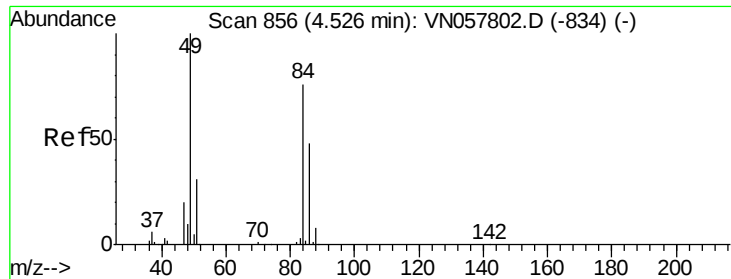
Tgt Ion: 76 Resp: 6309
Ion Ratio Lower Upper
76 100
78 11.0 7.1 10.7#



#18
Methyl Acetate
Concen: 2.633 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion: 43 Resp: 14392
Ion Ratio Lower Upper
43 100
74 19.5 17.9 26.9

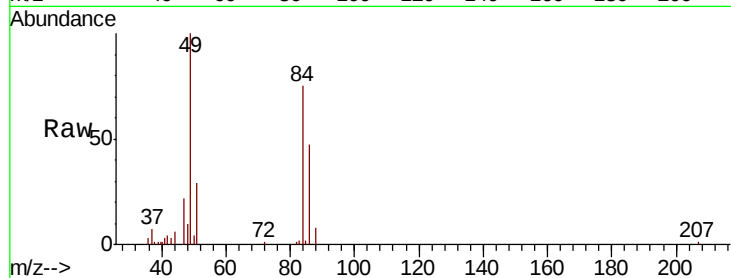




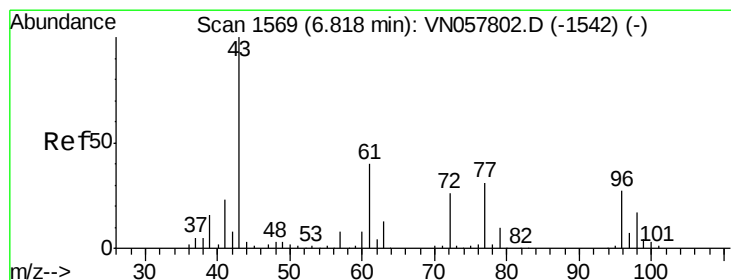
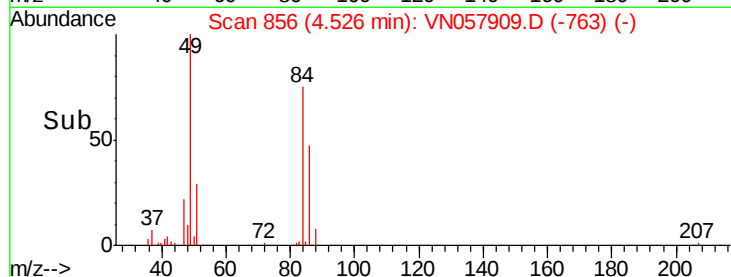
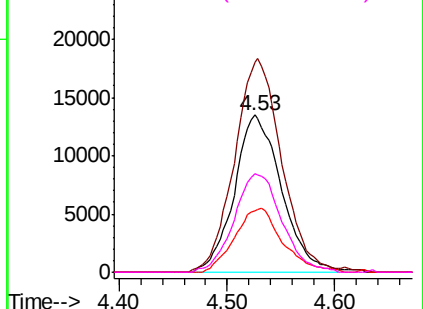
#20
Methylene Chloride
Concen: 9.527 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Instrument :
MSVOA_N
ClientSampled :
DRUM-2-RAGS

Tgt Ion: 84 Resp: 41063
Ion Ratio Lower Upper
84 100
49 133.7 104.8 157.2
51 39.3 33.0 49.4
86 62.4 50.5 75.7

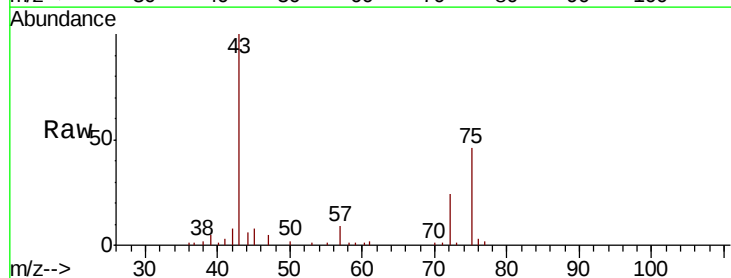


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

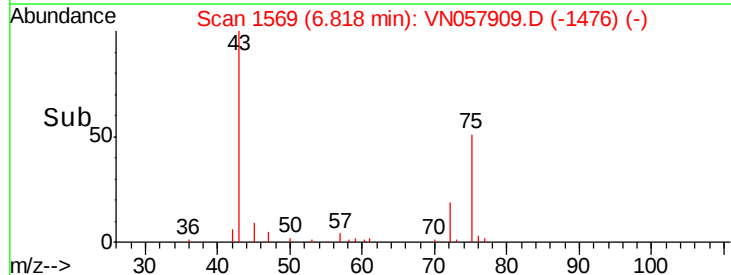
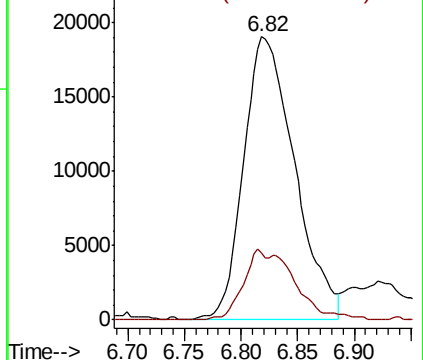


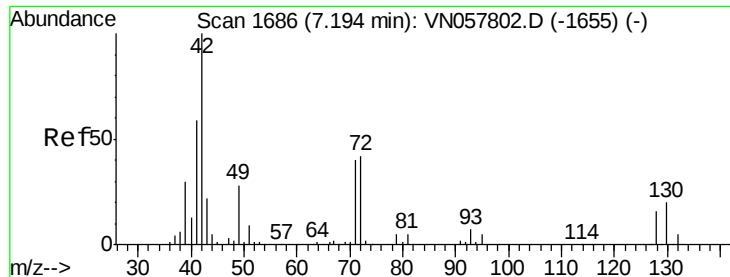
#25
2-Butanone
Concen: 20.143 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion: 43 Resp: 59759
Ion Ratio Lower Upper
43 100
72 23.8 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 67.926 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampled :

DRUM-2-RAGS

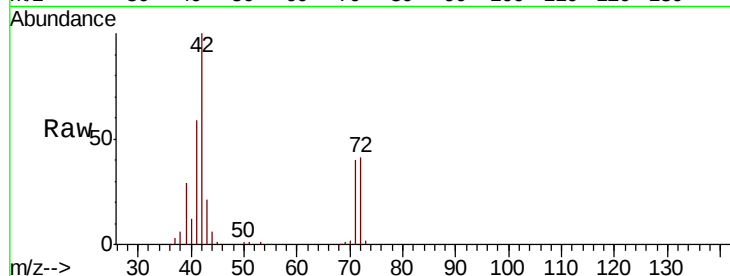
Tgt Ion: 42 Resp: 124174

Ion Ratio Lower Upper

42 100

72 40.4 33.7 50.5

71 41.5 31.9 47.9

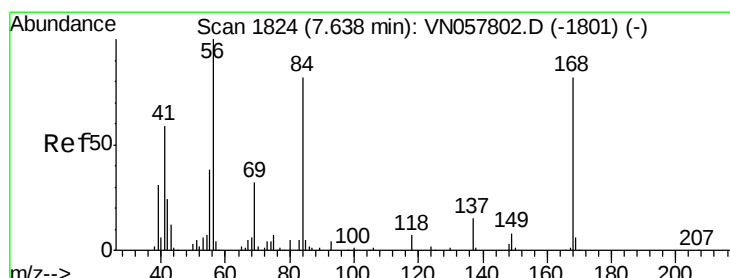
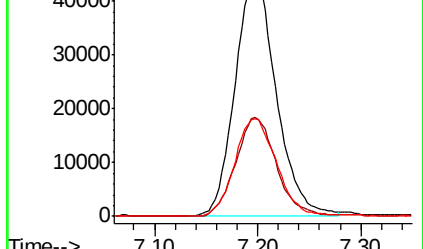
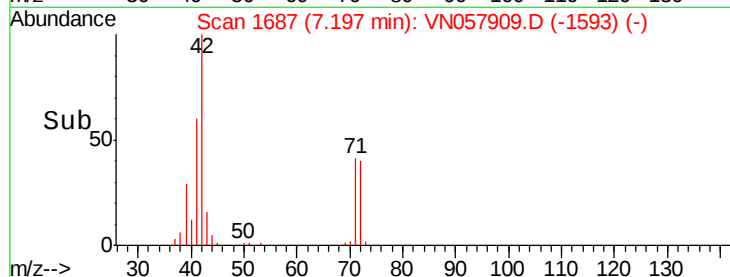


Abundance Ion 42.00 (41.70 to 42.70): VN057802.D (-1655) (-)

Ion 72.00 (71.70 to 72.70): VN057802.D (-1655) (-)

Ion 71.00 (70.70 to 71.70): VN057802.D (-1655) (-)

Time-->



#31

Cyclohexane

Concen: 10.230 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

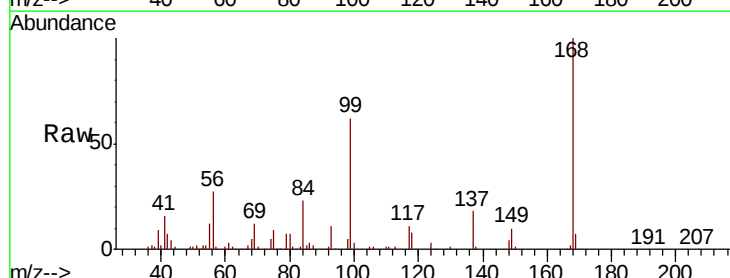
Tgt Ion: 56 Resp: 67470

Ion Ratio Lower Upper

56 100

69 43.8 25.9 38.9#

84 85.5 65.6 98.4

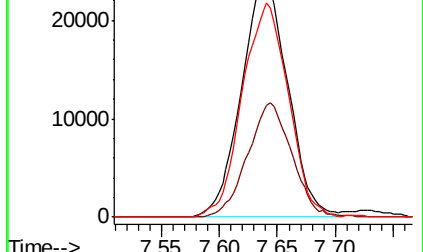
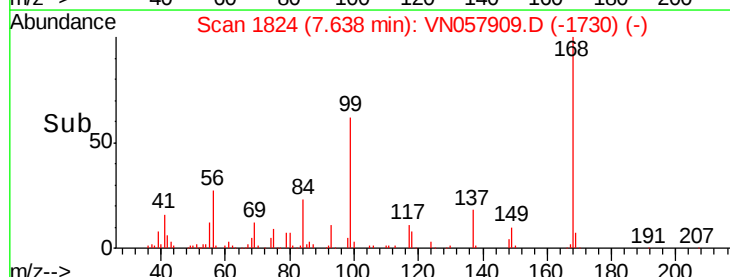


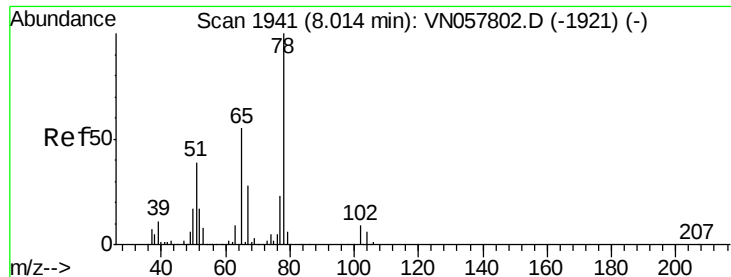
Abundance Ion 56.00 (55.70 to 56.70): VN057802.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN057802.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN057802.D (-1801) (-)

Time-->

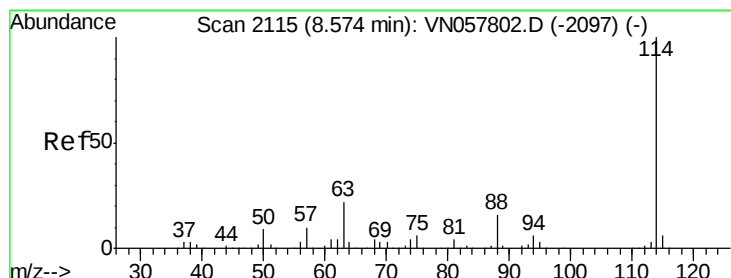
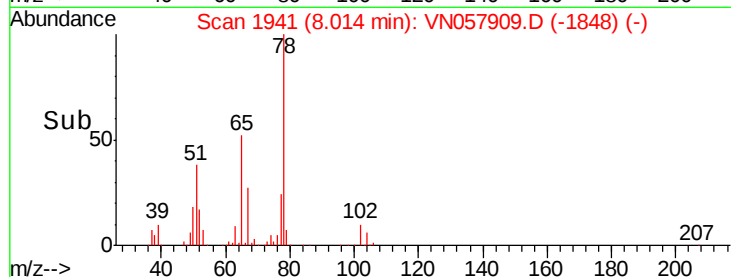
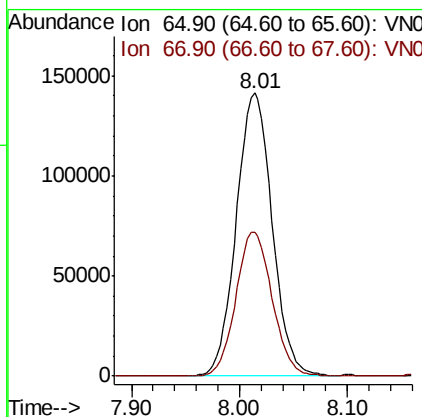
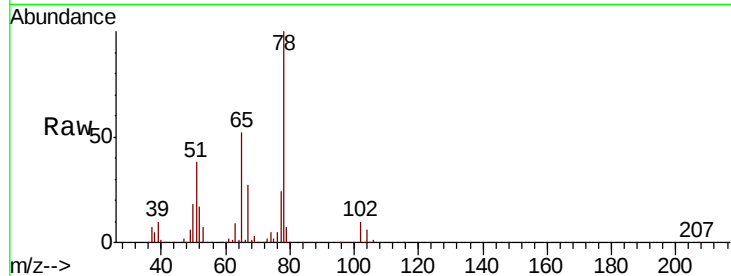




#33
 1,2-Dichloroethane-d4
 Concen: 52.433 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057909.D
 Acq: 11 Sep 2019 9:11

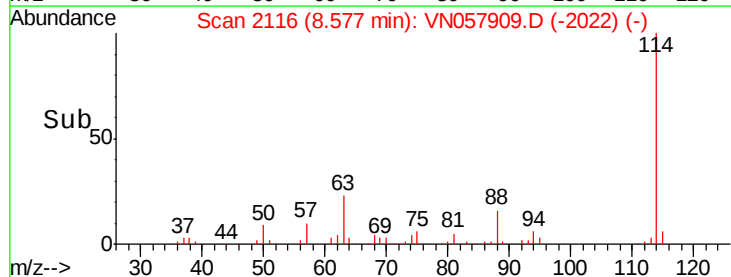
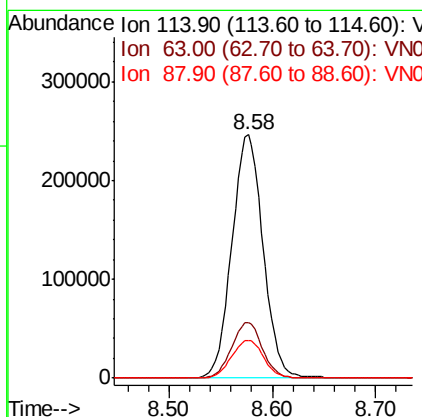
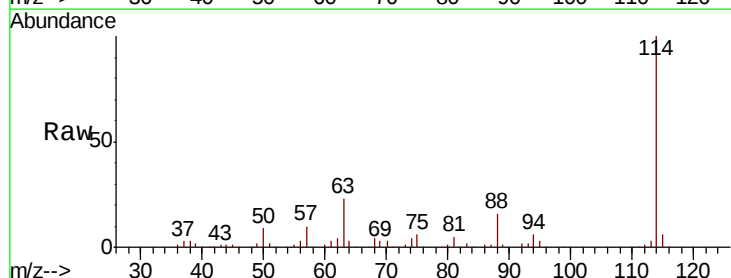
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-2-RAGS

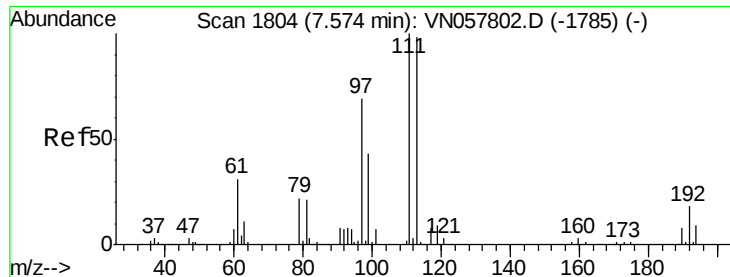
Tgt Ion: 65 Resp: 327848
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057909.D
 Acq: 11 Sep 2019 9:11

Tgt Ion: 114 Resp: 518538
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 44.0
 88 15.5 0.0 31.4

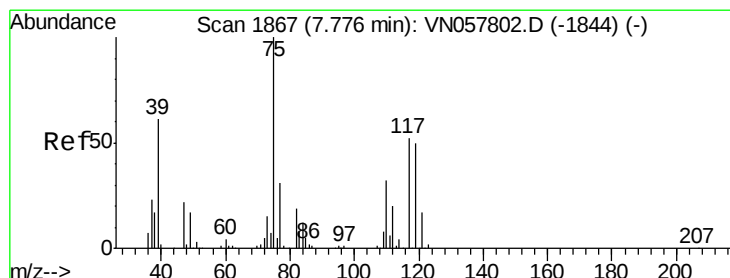
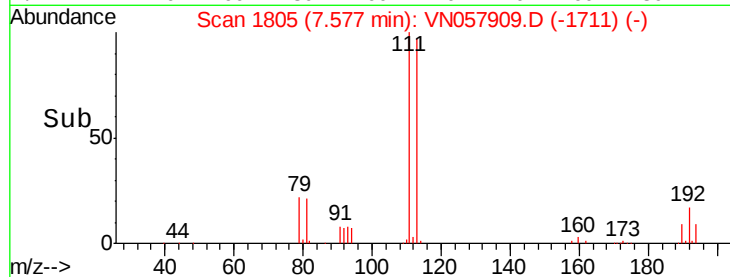
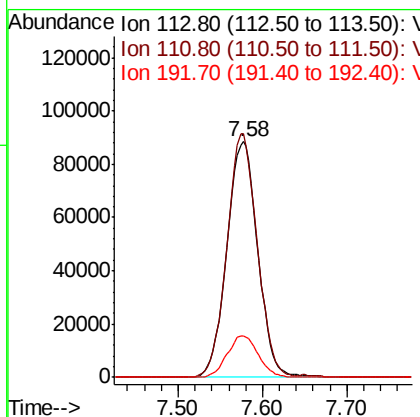
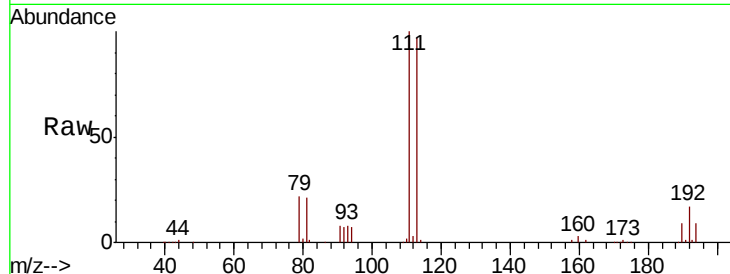




#35
 Dibromofluoromethane
 Concen: 47.091 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057909.D
 Acq: 11 Sep 2019 9:11

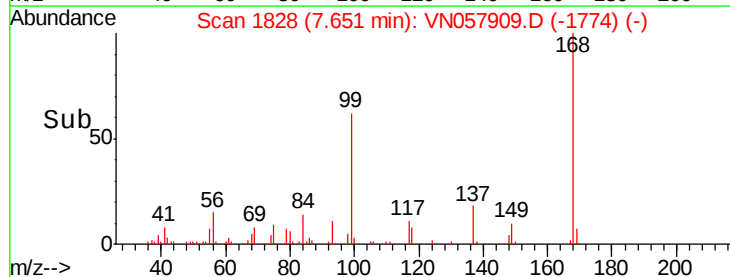
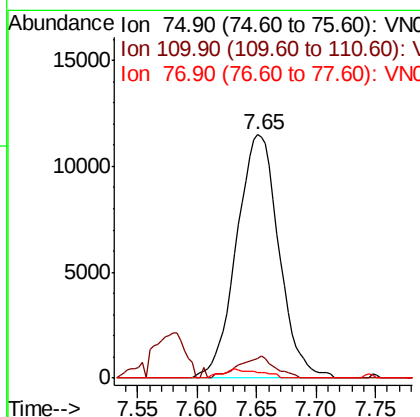
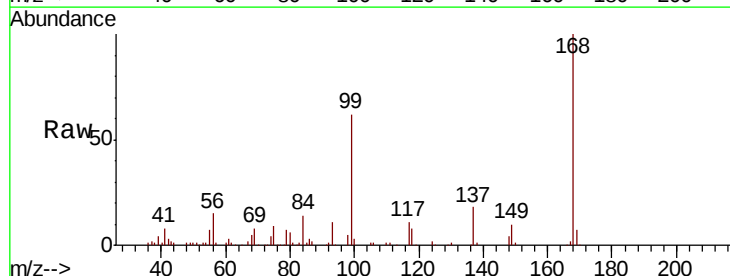
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-2-RAGS

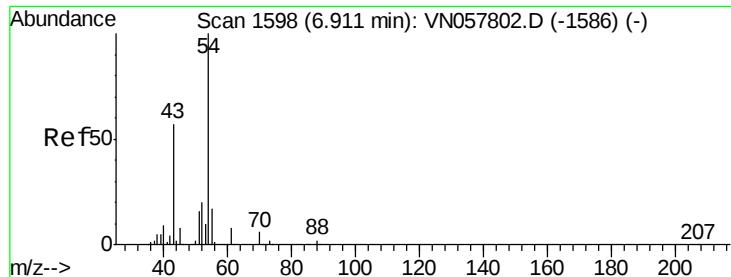
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.3	121.9
192	17.8	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.711 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057909.D
 Acq: 11 Sep 2019 9:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.3	48.9#
77	0.0	25.0	37.4#

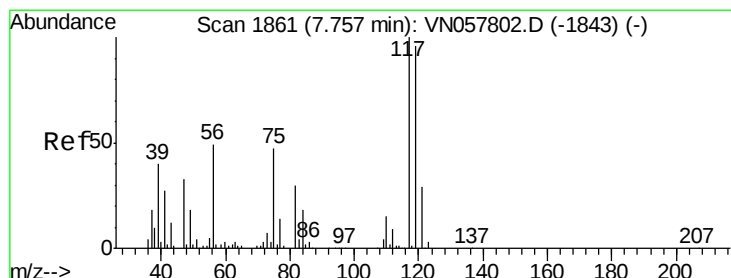
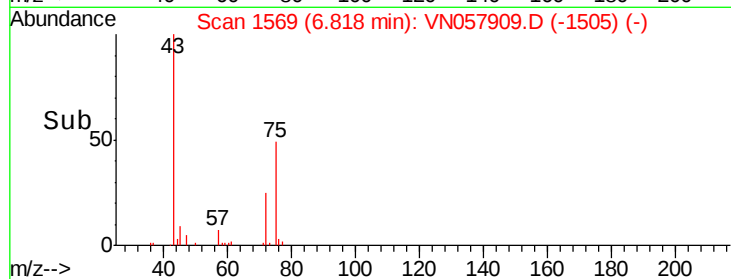
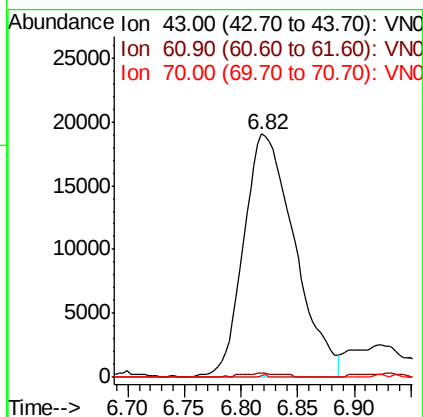
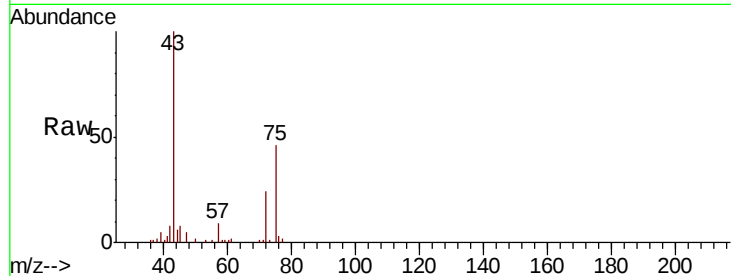




#37
 Ethyl Acetate
 Concen: 9.618 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.09 min
 Lab File: VN057909.D
 Acq: 11 Sep 2019 9:11

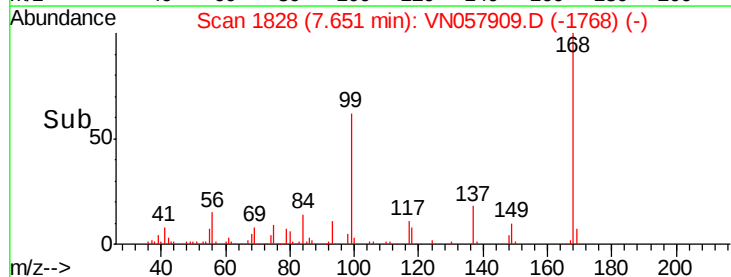
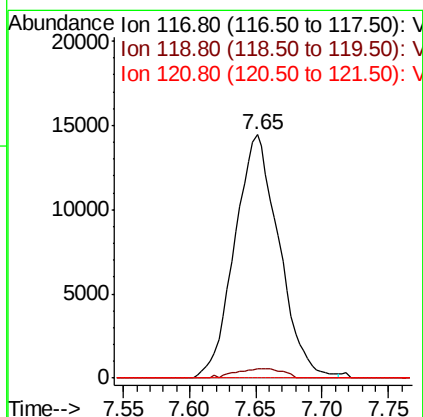
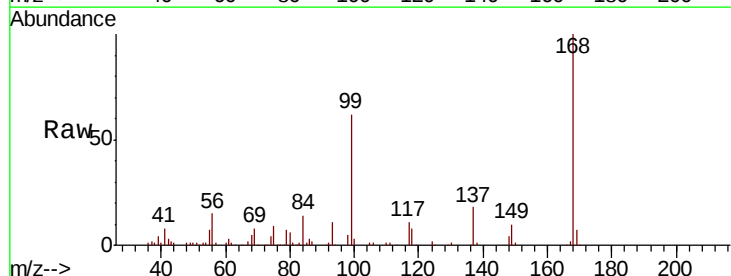
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-2-RAGS

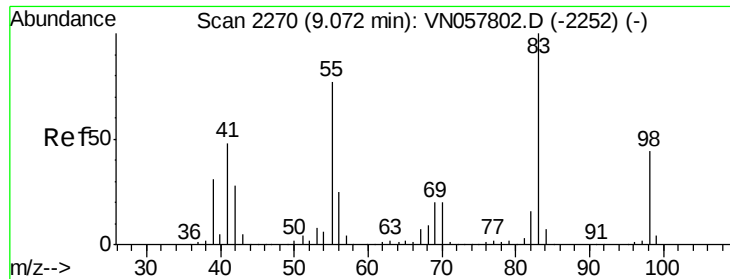
Tgt Ion: 43 Resp: 59759
 Ion Ratio Lower Upper
 43 100
 61 0.9 10.5 15.7#
 70 0.1 7.4 11.0#



#38
 Carbon Tetrachloride
 Concen: 6.114 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057909.D
 Acq: 11 Sep 2019 9:11

Tgt Ion: 117 Resp: 33566
 Ion Ratio Lower Upper
 117 100
 119 3.6 76.9 115.3#
 121 0.0 23.4 35.2#

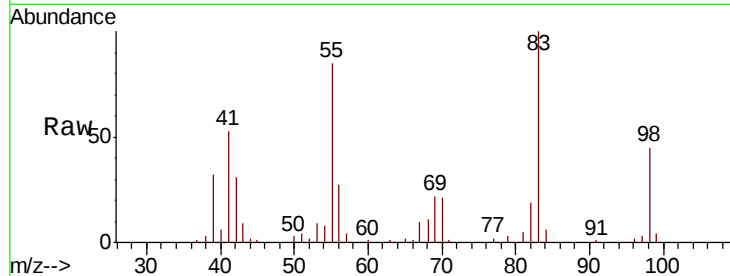




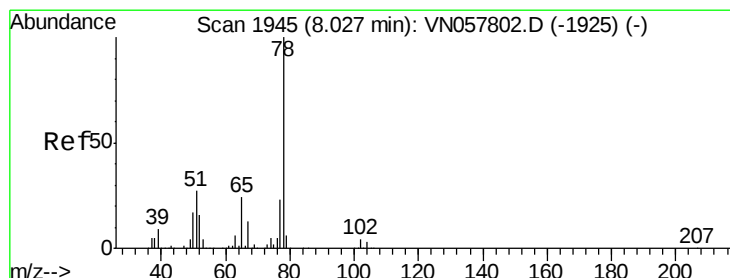
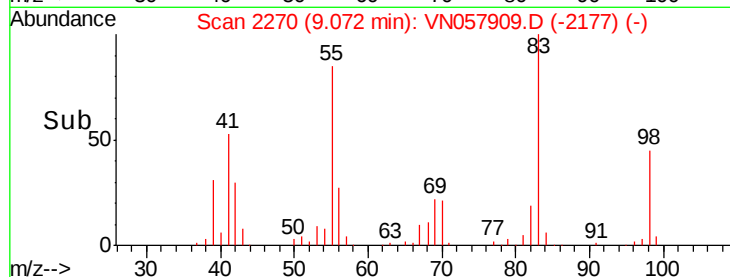
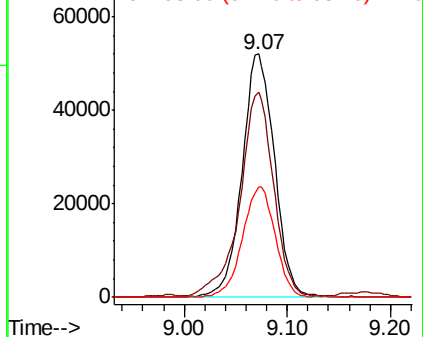
#39
Methylcyclohexane
Concen: 18.001 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
DRUM-2-RAGS

Tgt Ion: 83 Resp: 113800
Ion Ratio Lower Upper
83 100
55 83.6 61.6 92.4
98 45.3 34.9 52.3

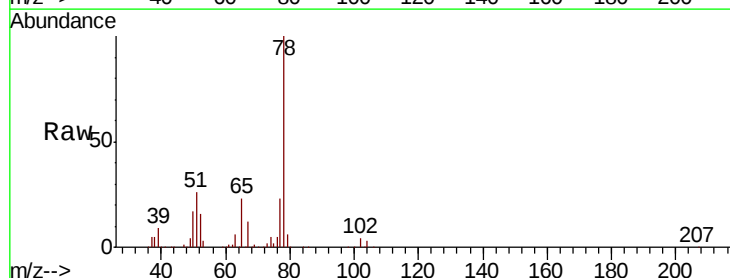


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

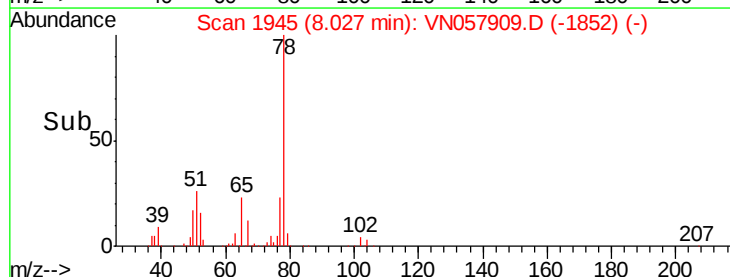
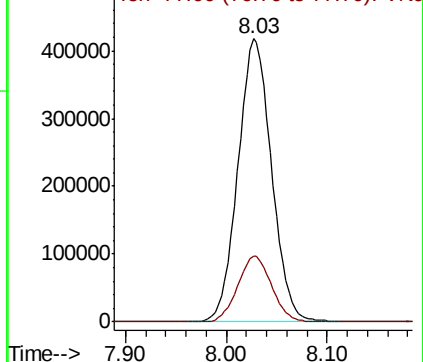


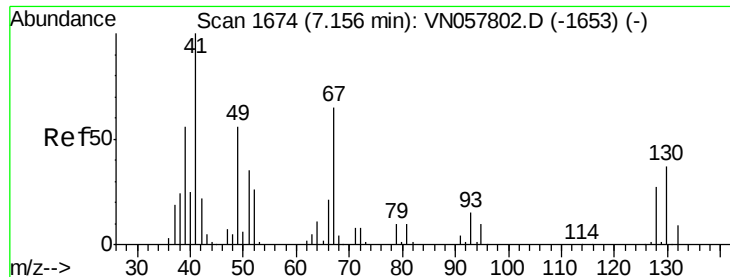
#40
Benzene
Concen: 53.180 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion: 78 Resp: 962836
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

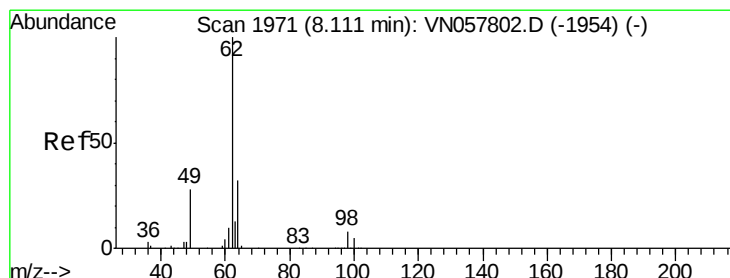
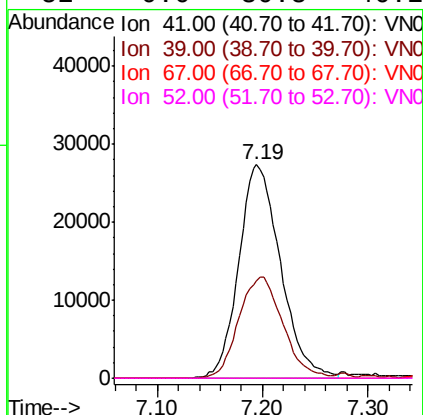
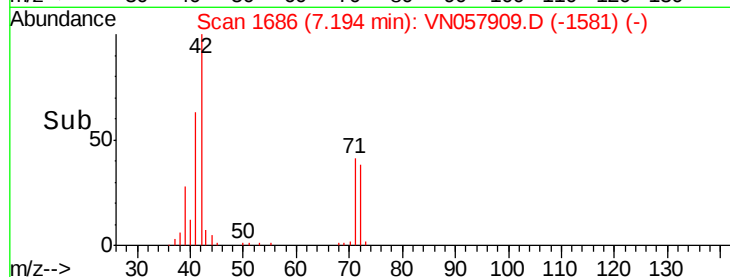
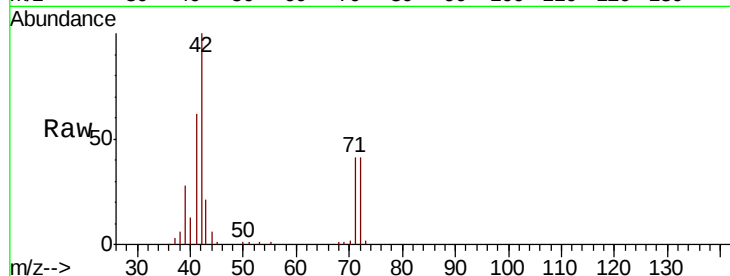




#41
Methacrylonitrile
Concen: 26.707 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

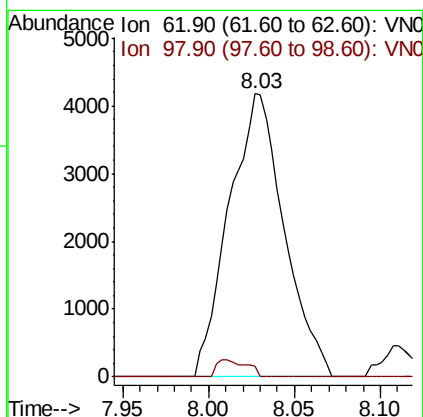
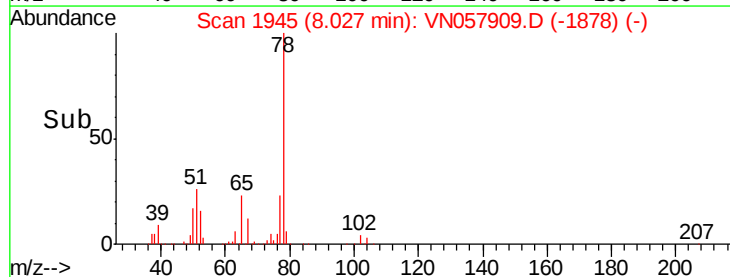
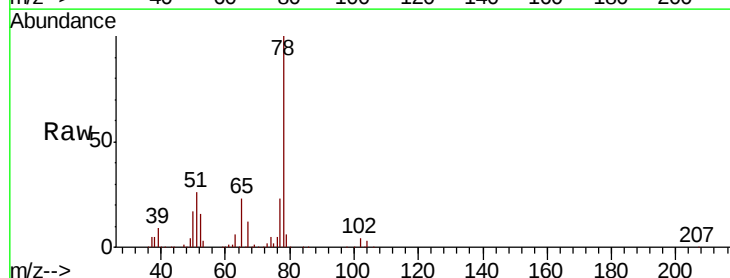
Instrument :
MSVOA_N
ClientSampled :
DRUM-2-RAGS

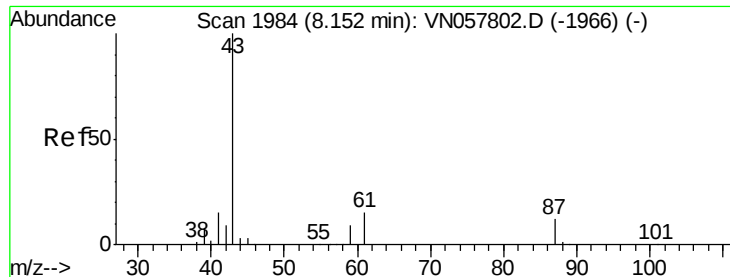
Tgt Ion: 41 Resp: 75324
Ion Ratio Lower Upper
41 100
39 50.1 51.0 76.6#
67 0.0 70.7 106.1#
52 0.0 30.8 46.2#



#42
1,2-Dichloroethane
Concen: 1.283 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.08 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion: 62 Resp: 9291
Ion Ratio Lower Upper
62 100
98 3.3 0.0 15.8





#43

Isopropyl Acetate

Concen: 5.524 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

DRUM-2-RAGS

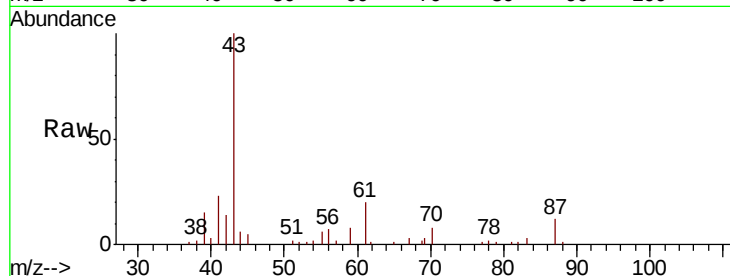
Tgt Ion: 43 Resp: 57722

Ion Ratio Lower Upper

43 100

61 18.7 20.1 30.1#

87 12.0 9.5 14.3

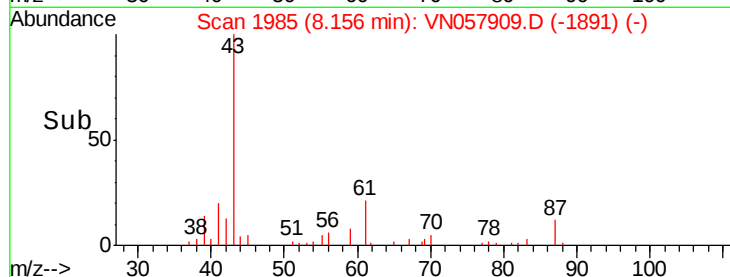


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)

Time-->



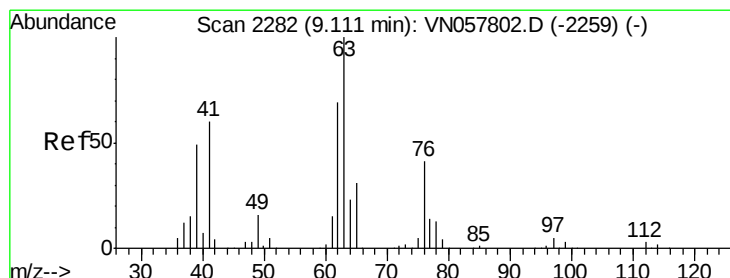
Abundance

Ion 43.00 (42.70 to 43.70): VN057909.D (-1891) (-)

Ion 61.00 (60.70 to 61.70): VN057909.D (-1891) (-)

Ion 87.00 (86.70 to 87.70): VN057909.D (-1891) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 0.346 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.05 min

Lab File: VN057909.D

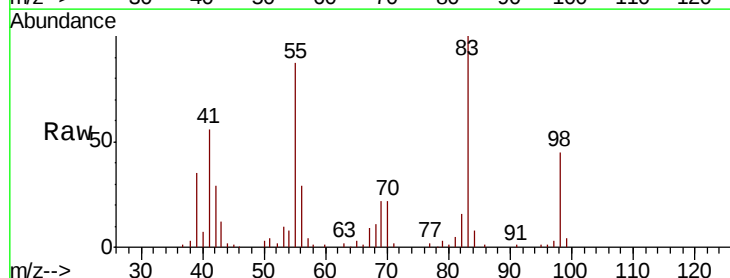
Acq: 11 Sep 2019 9:11

Tgt Ion: 63 Resp: 1822

Ion Ratio Lower Upper

63 100

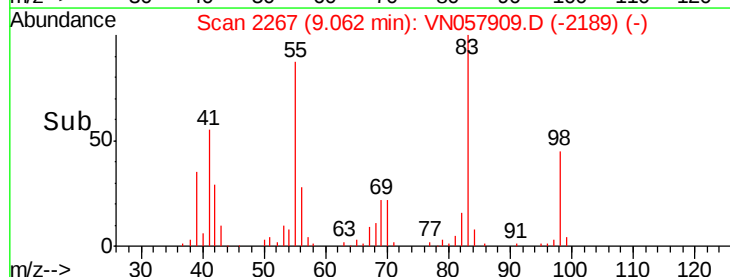
65 129.4 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VN057802.D (-2259) (-)

Ion 64.90 (64.60 to 65.60): VN057802.D (-2259) (-)

Time-->

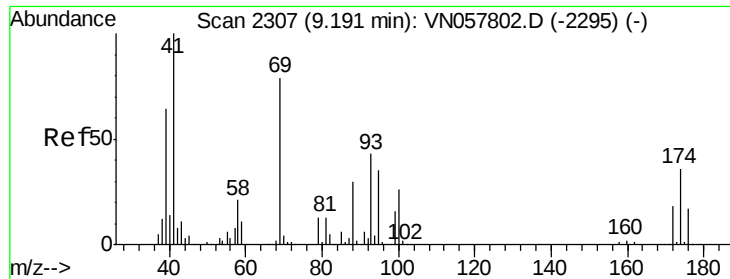


Abundance

Ion 62.90 (62.60 to 63.60): VN057909.D (-2189) (-)

Ion 64.90 (64.60 to 65.60): VN057909.D (-2189) (-)

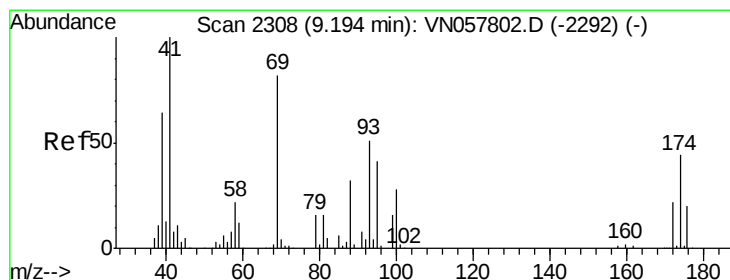
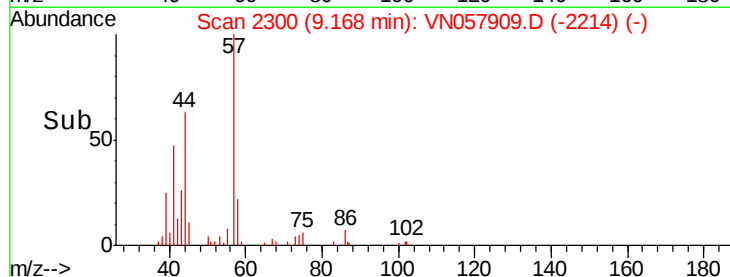
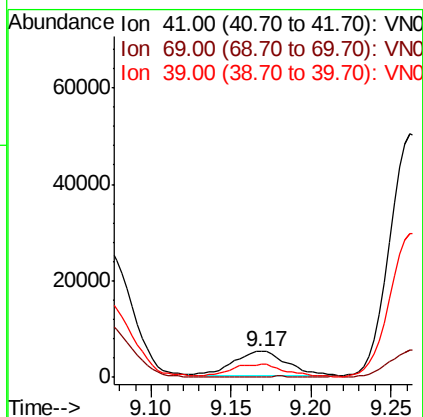
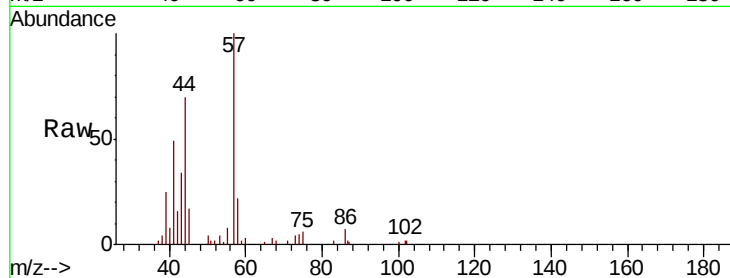
Time-->



#48
Methyl methacrylate
Concen: 2.132 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.02 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

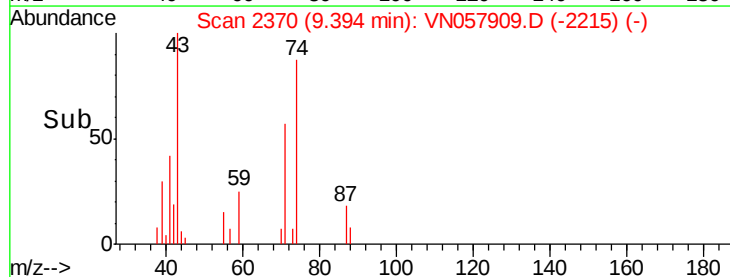
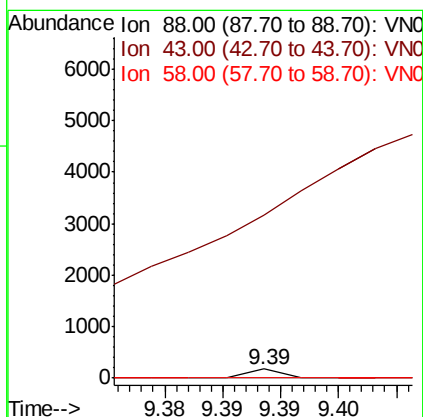
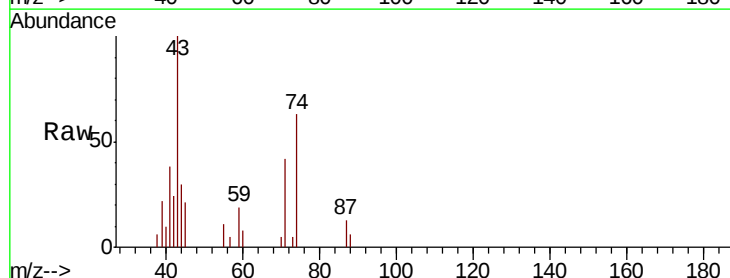
Instrument :
MSVOA_N
ClientSampled :
DRUM-2-RAGS

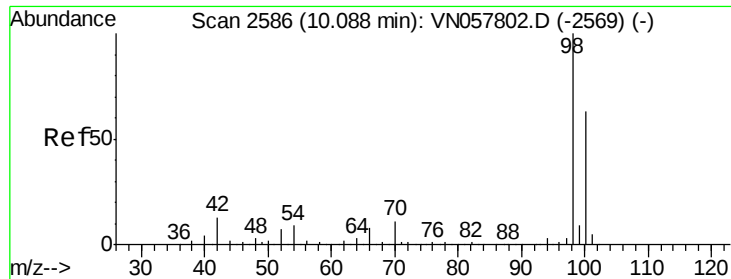
Tgt Ion: 41 Resp: 11299
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 50.1 52.7 79.1#



#49
1,4-Dioxane
Concen: 0.390 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.20 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion: 88 Resp: 35
Ion Ratio Lower Upper
88 100
43 0.0 28.5 42.7#
58 0.0 55.8 83.6#





#50

Toluene-d8

Concen: 51.181 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

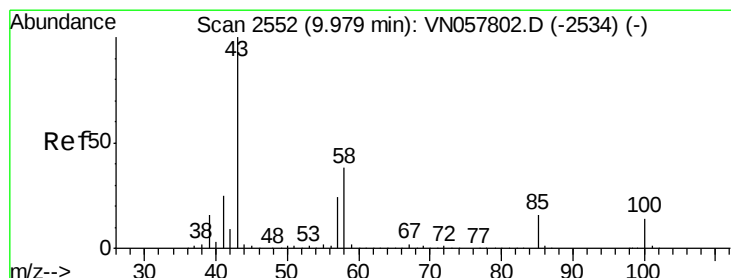
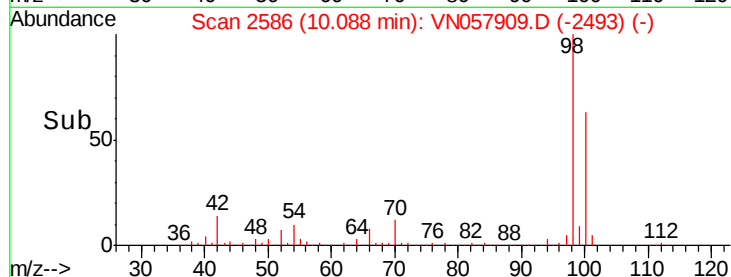
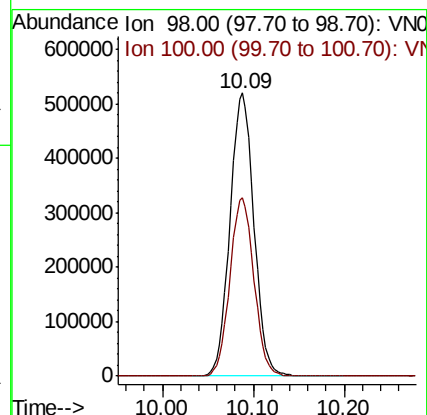
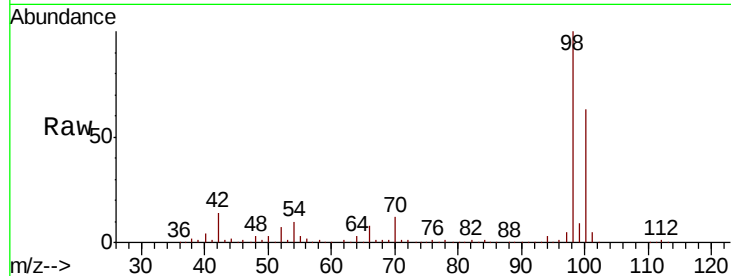
DRUM-2-RAGS

Tgt Ion: 98 Resp: 951019

Ion Ratio Lower Upper

98 100

100 63.2 50.3 75.5



#51

4-Methyl-2-Pentanone

Concen: 1.030 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057909.D

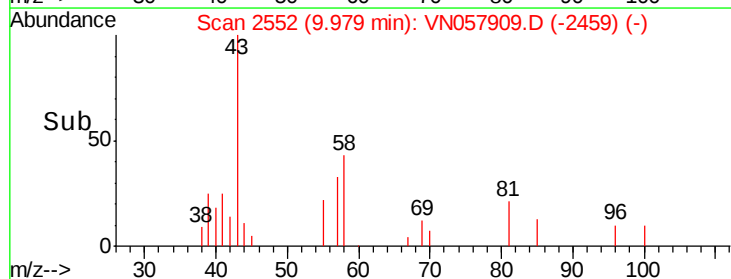
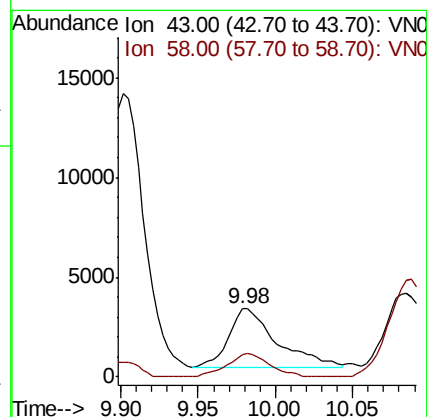
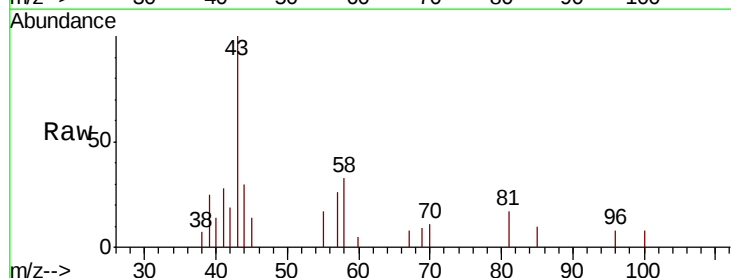
Acq: 11 Sep 2019 9:11

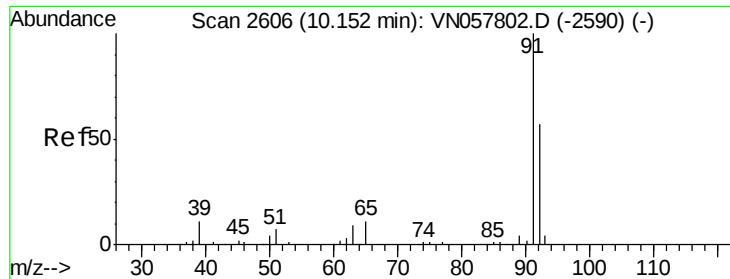
Tgt Ion: 43 Resp: 6369

Ion Ratio Lower Upper

43 100

58 34.7 29.8 44.6





#52

Toluene

Concen: 415.454 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

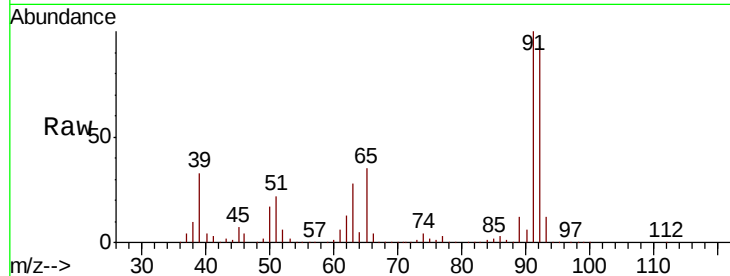
DRUM-2-RAGS

Tgt Ion: 92 Resp: 4737522

Ion Ratio Lower Upper

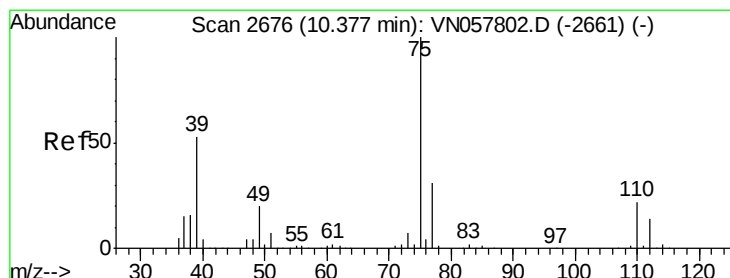
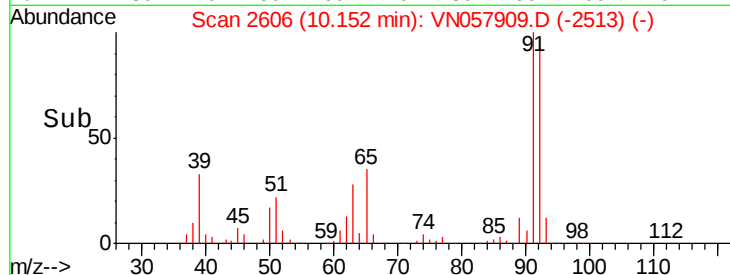
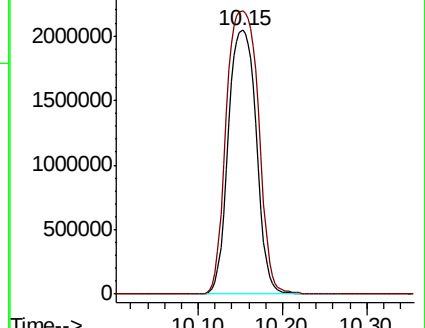
92 100

91 123.6 141.0 211.6#



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-2590) (-)



#53

t-1,3-Dichloropropene

Concen: 12.665 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.23 min

Lab File: VN057909.D

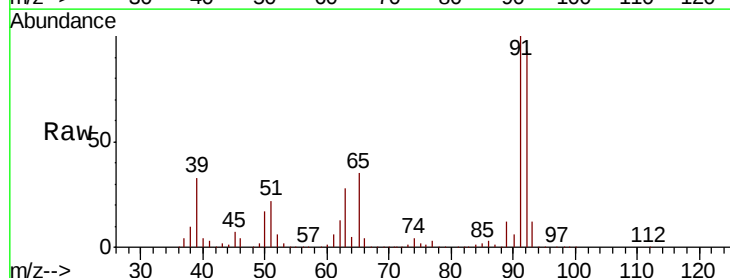
Acq: 11 Sep 2019 9:11

Tgt Ion: 75 Resp: 84789

Ion Ratio Lower Upper

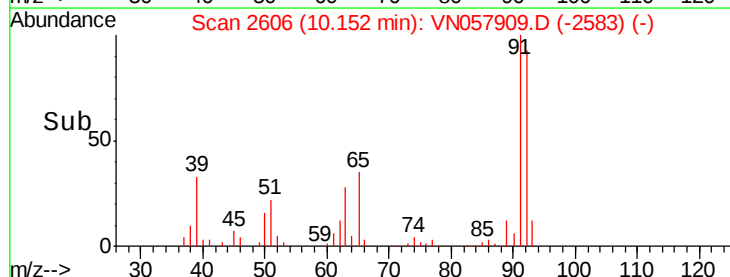
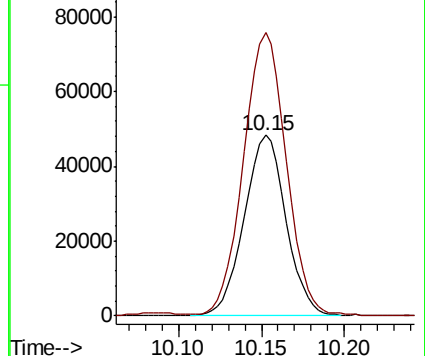
75 100

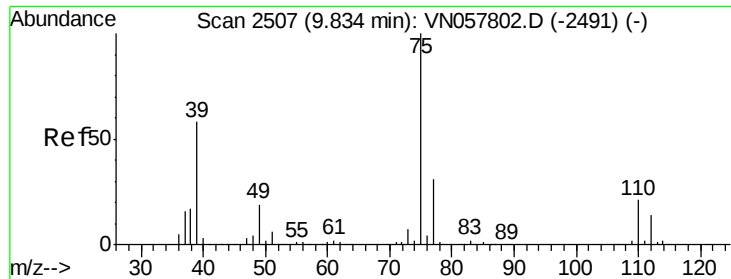
77 155.8 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-2661) (-)

Ion 76.90 (76.60 to 77.60): VN057802.D (-2661) (-)





#54

cis-1,3-Dichloropropene

Concen: 1.338 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

DRUM-2-RAGS

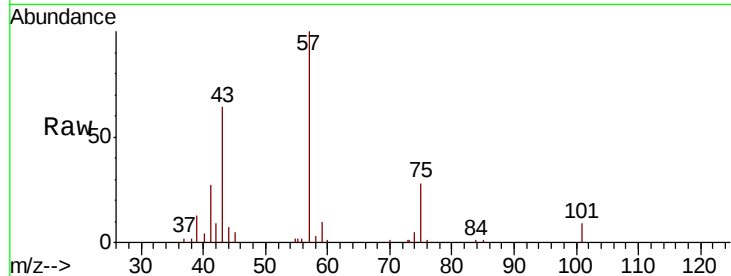
Tgt Ion: 75 Resp: 9890

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

39 43.3 46.2 69.4#

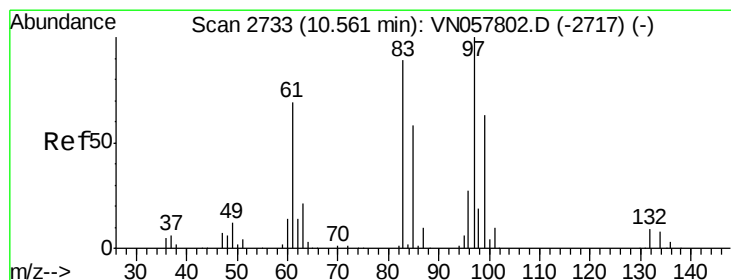
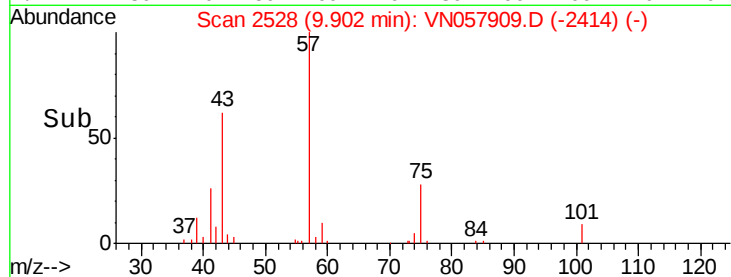
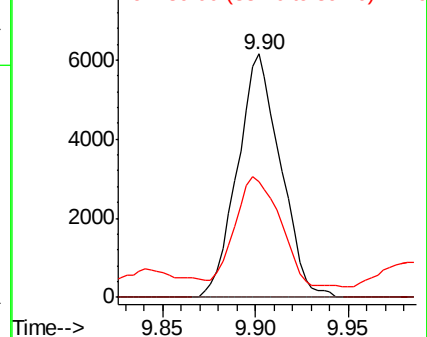


Abundance

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



#55

1,1,2-Trichloroethane

Concen: 4.724 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Tgt Ion: 97 Resp: 22820

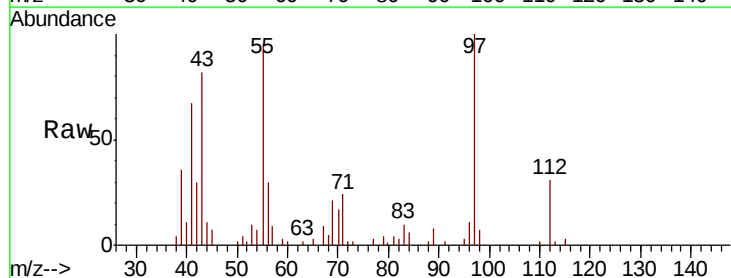
Ion Ratio Lower Upper

97 100

83 9.6 70.8 106.2#

85 0.0 46.0 69.0#

99 0.0 50.6 76.0#



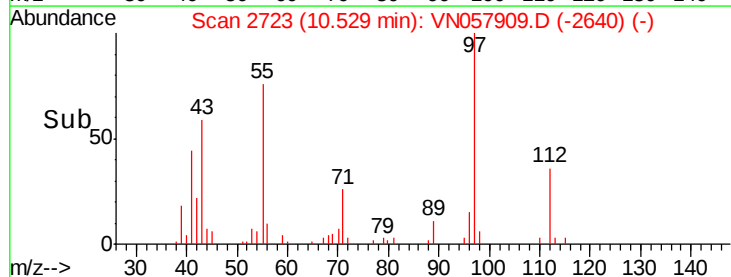
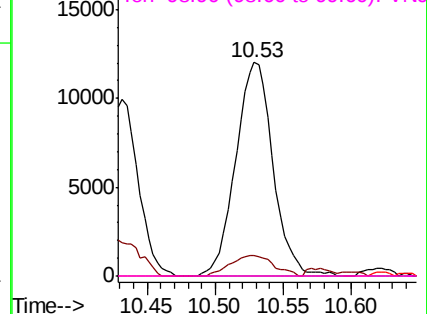
Abundance

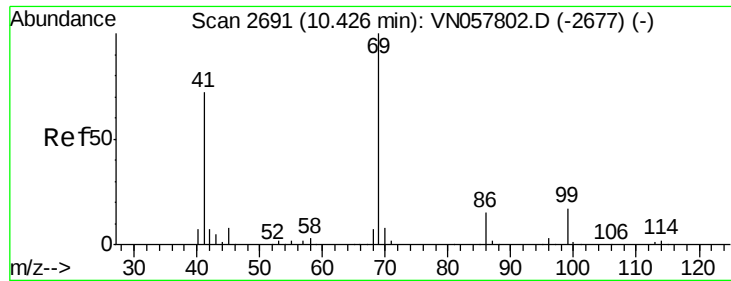
Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

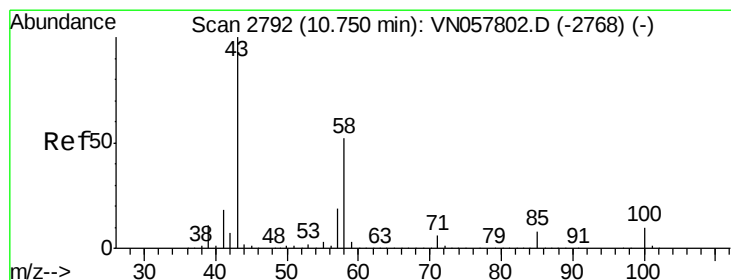
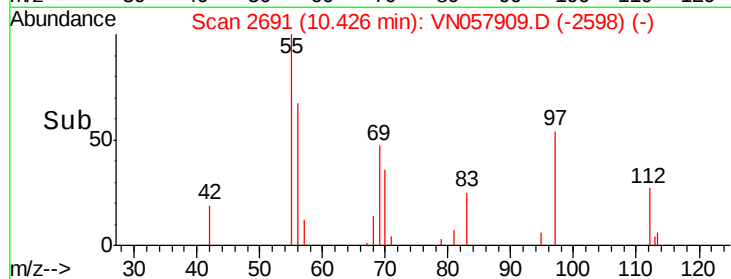
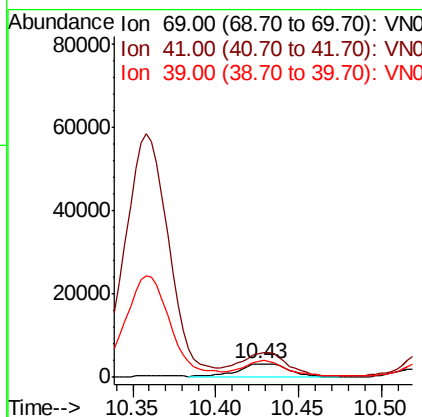
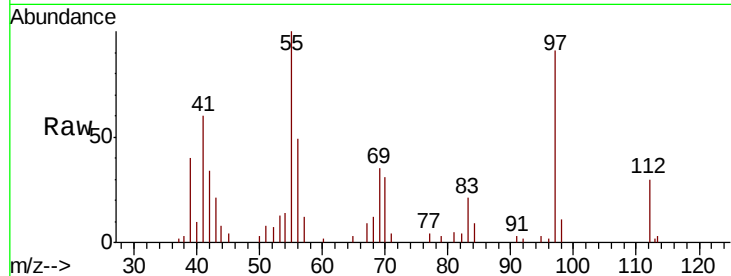




#56
Ethyl methacrylate
Concen: 1.000 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

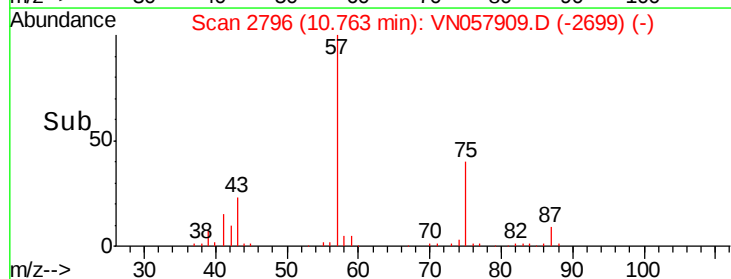
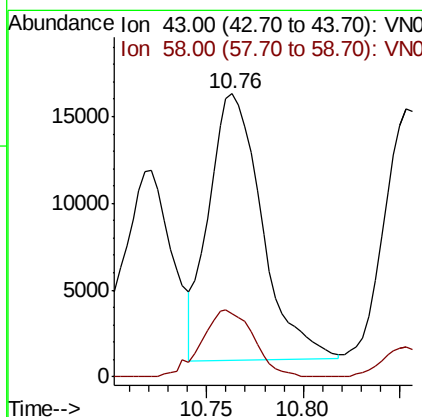
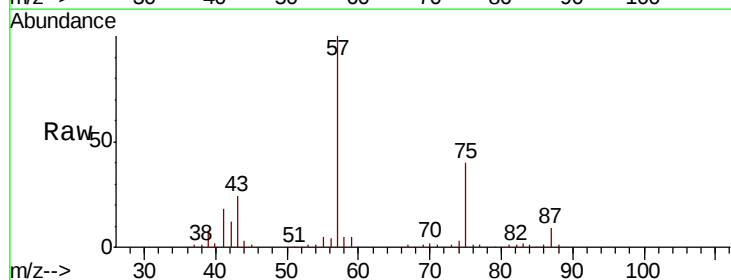
Instrument :
MSVOA_N
ClientSampleId :
DRUM-2-RAGS

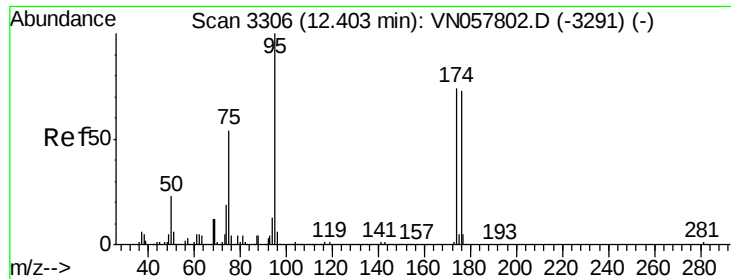
Tgt Ion: 69 Resp: 7273
Ion Ratio Lower Upper
69 100
41 153.9 56.7 85.1#
39 0.0 36.3 54.5#



#59
2-Hexanone
Concen: 6.305 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion: 43 Resp: 29219
Ion Ratio Lower Upper
43 100
58 24.8 25.6 76.8#





#62

4-Bromofluorobenzene

Concen: 51.236 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

DRUM-2-RAGS

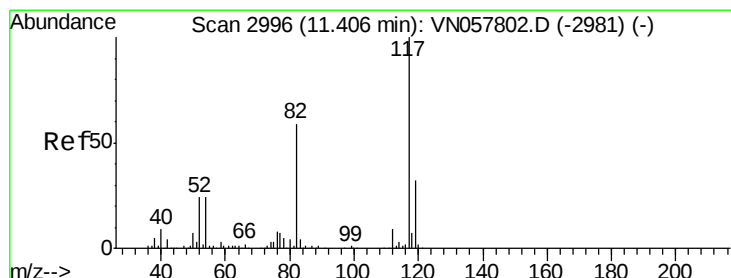
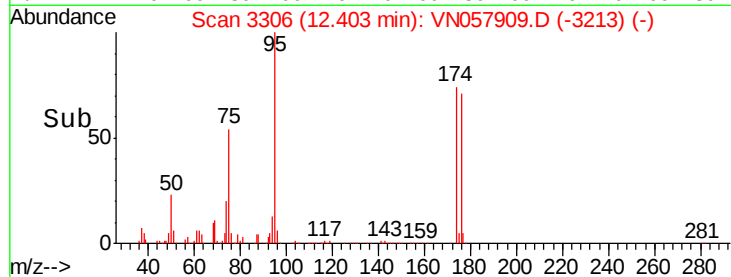
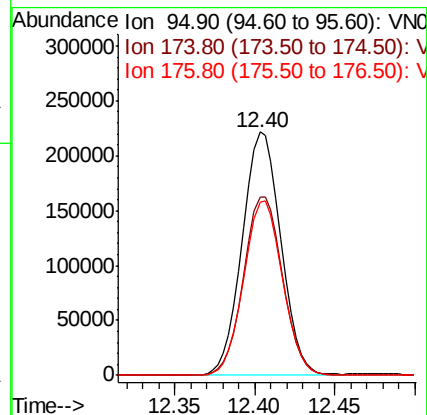
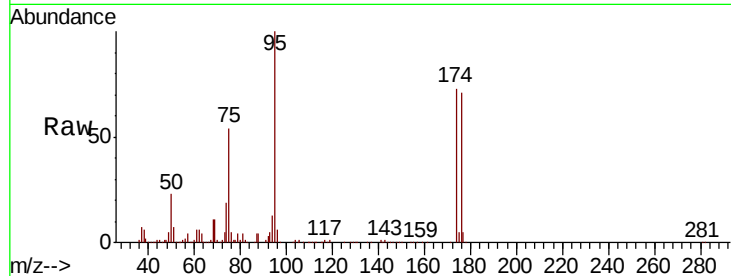
Tgt Ion: 95 Resp: 362808

Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.2

176 72.5 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

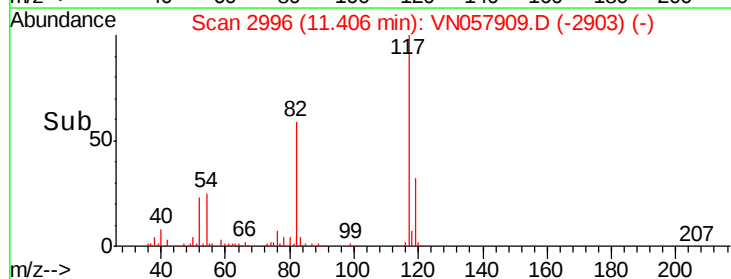
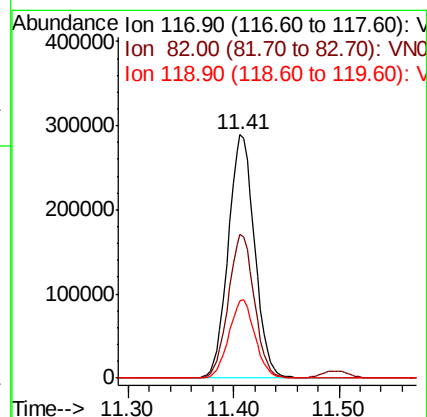
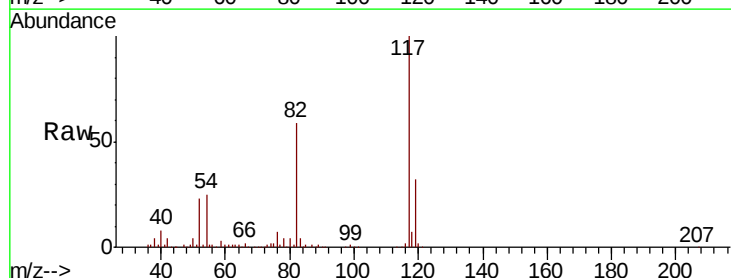
Tgt Ion: 117 Resp: 498867

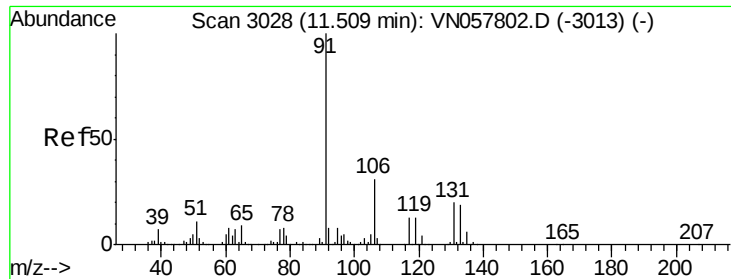
Ion Ratio Lower Upper

117 100

82 58.9 47.2 70.8

119 31.8 25.3 37.9

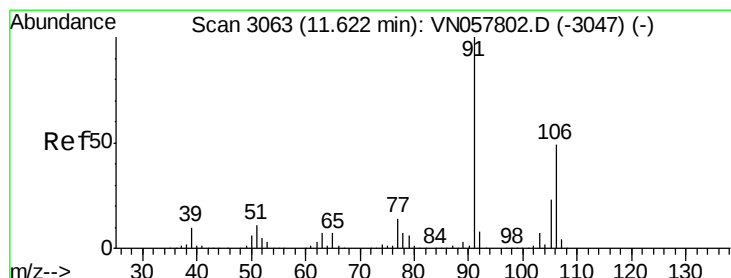
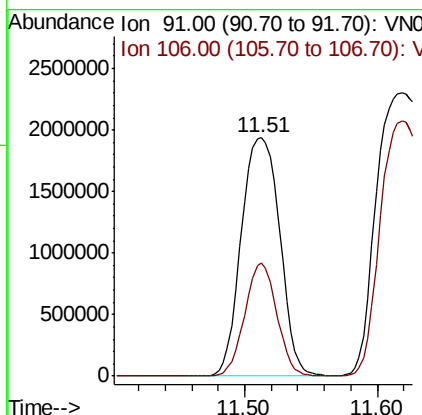
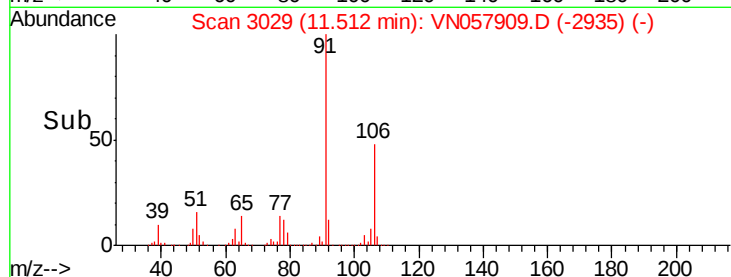
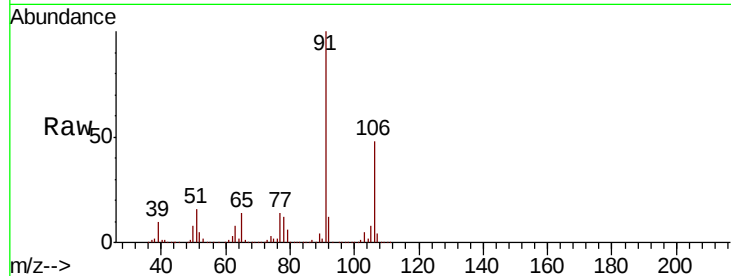




#67
Ethyl Benzene
Concen: 171.253 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

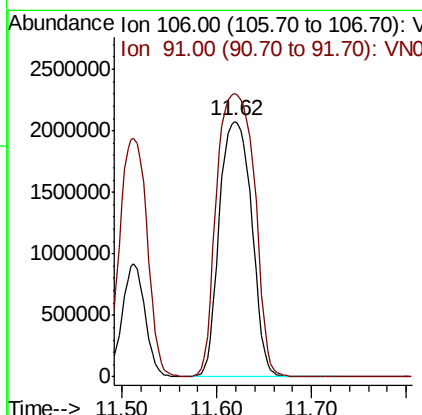
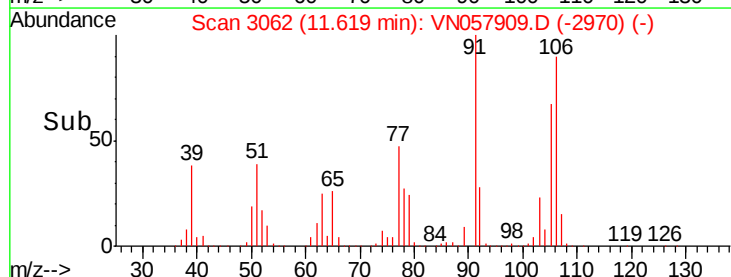
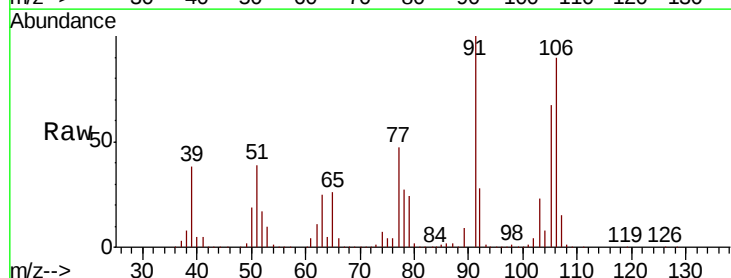
Instrument :
MSVOA_N
ClientSampled :
DRUM-2-RAGS

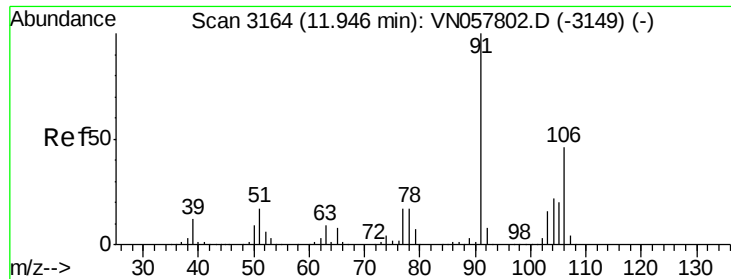
Tgt Ion: 91 Resp: 3918369
Ion Ratio Lower Upper
91 100
106 47.6 24.4 36.6#



#68
m/p-Xylenes
Concen: 587.476 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion: 106 Resp: 4923742
Ion Ratio Lower Upper
106 100
91 130.4 165.8 248.6#

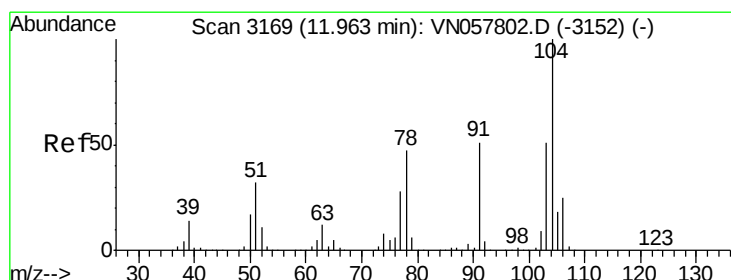
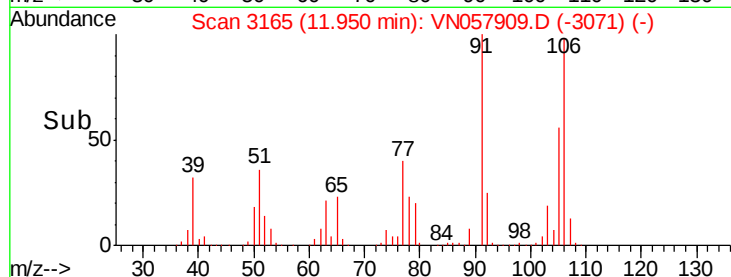
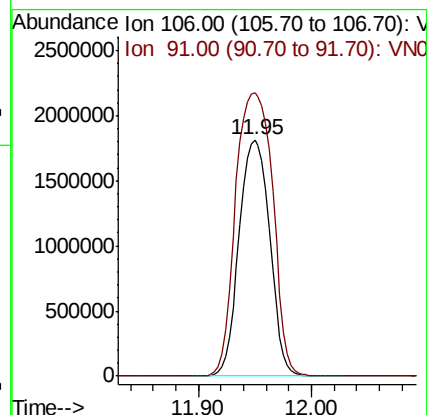
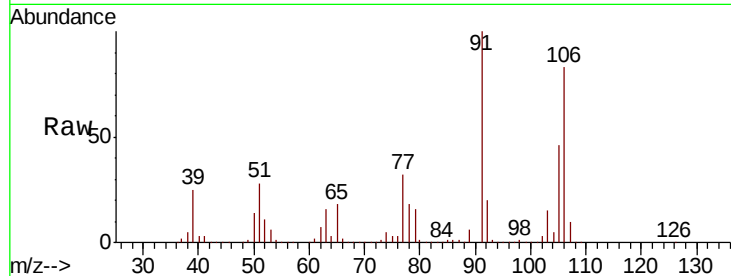




#69
o-Xylene
Concen: 411.176 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

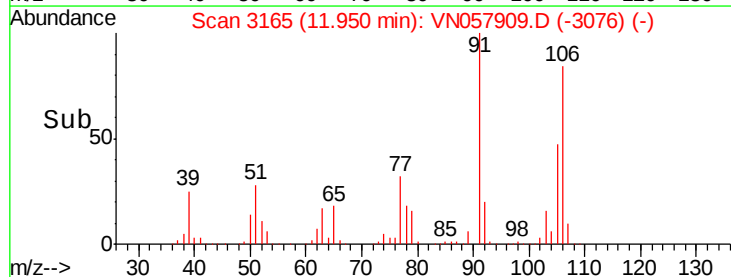
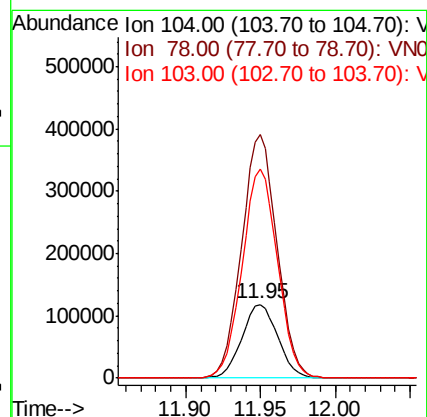
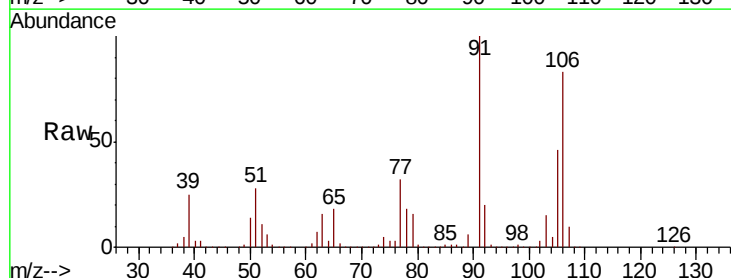
Instrument :
MSVOA_N
ClientSampleId :
DRUM-2-RAGS

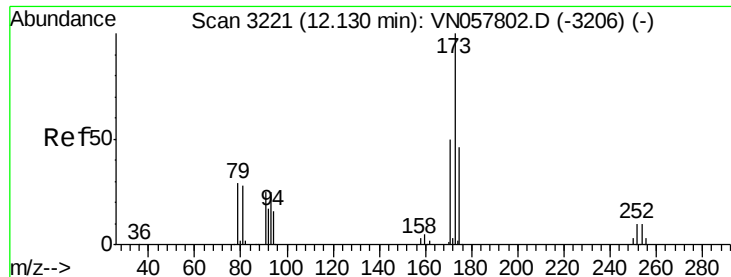
Tgt Ion:106 Resp: 3425976
Ion Ratio Lower Upper
106 100
91 145.2 108.7 326.1



#70
Styrene
Concen: 13.737 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion:104 Resp: 196988
Ion Ratio Lower Upper
104 100
78 326.6 41.3 61.9#
103 280.5 43.7 65.5#





#71

Bromoform

Concen: 0.220 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

DRUM-2-RAGS

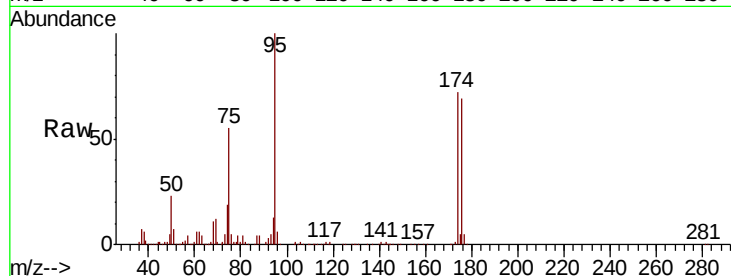
Tgt Ion:173 Resp: 622

Ion Ratio Lower Upper

173 100

175 0.0 23.5 70.6#

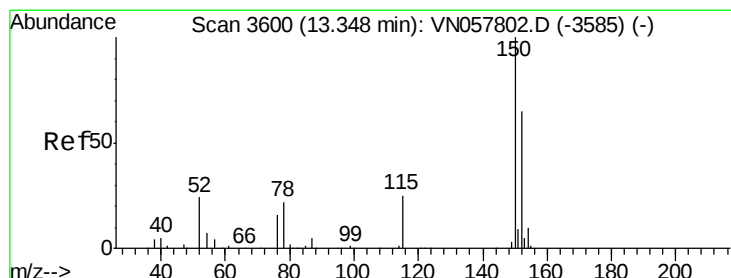
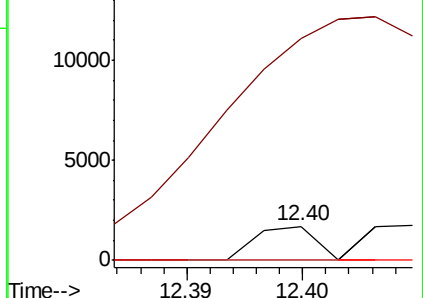
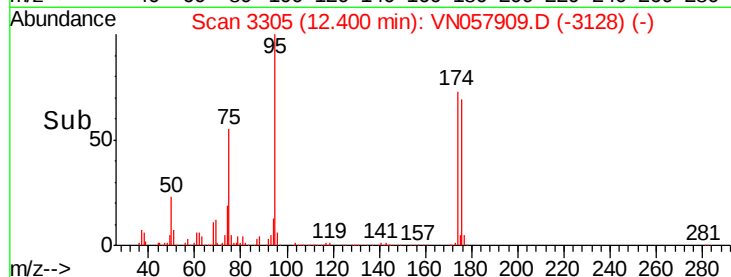
254 0.0 0.1 0.1#



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: VN057909.D

Acq: 11 Sep 2019 9:11

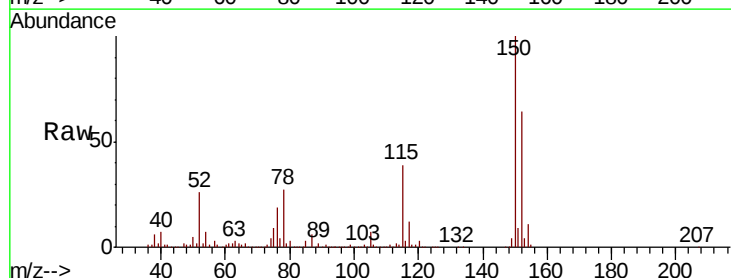
Tgt Ion:152 Resp: 330047

Ion Ratio Lower Upper

152 100

115 62.0 30.3 91.0

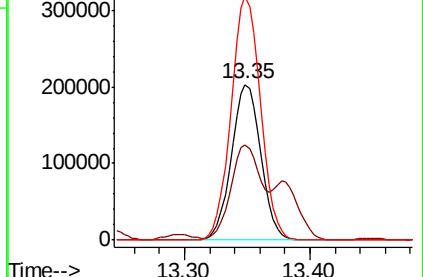
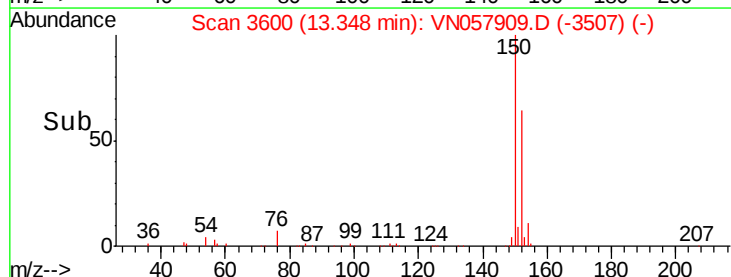
150 157.2 0.0 352.4

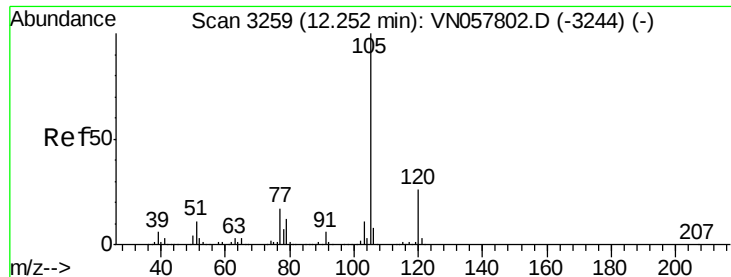


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 26.596 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

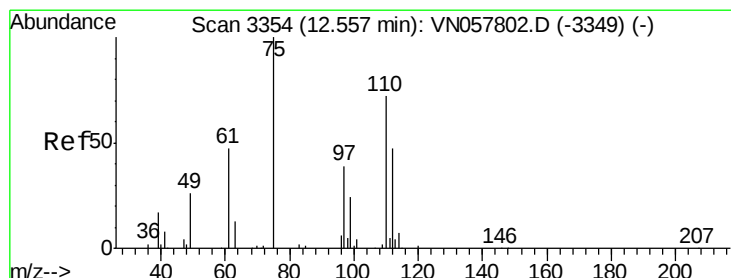
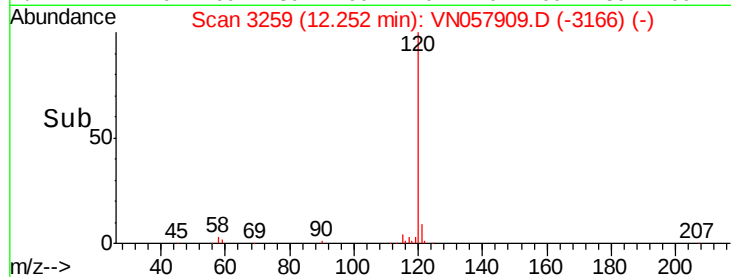
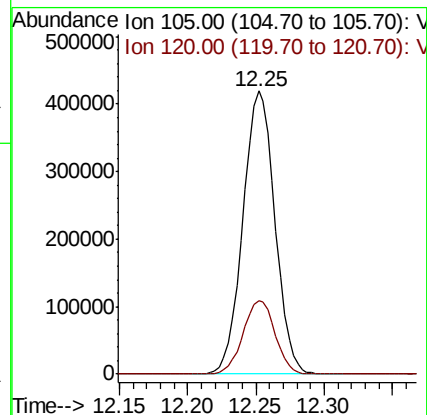
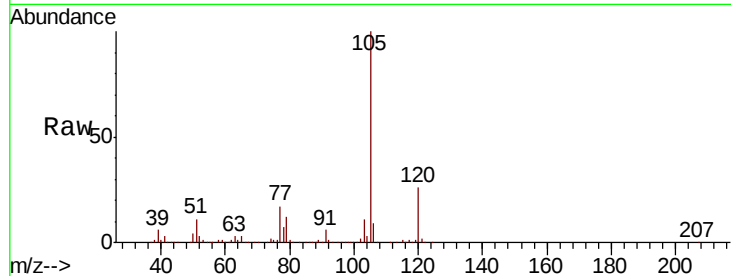
DRUM-2-RAGS

Tgt Ion: 105 Resp: 681141

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



#76

1,2,3-Trichloropropane

Concen: 1.200 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.04 min

Lab File: VN057909.D

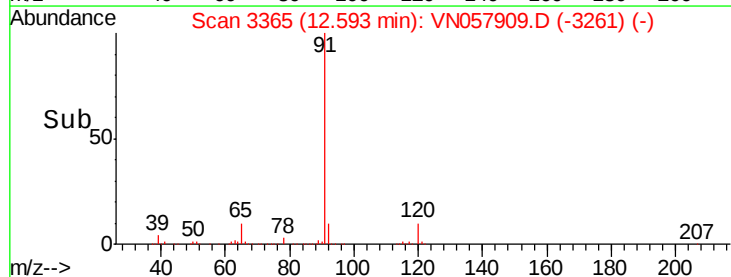
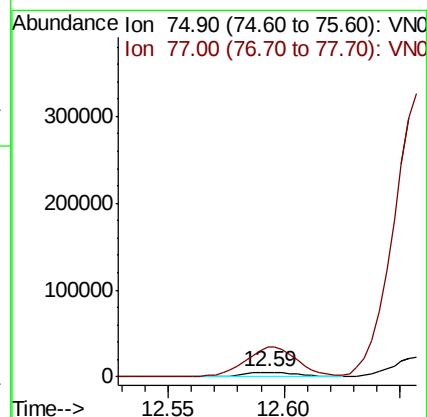
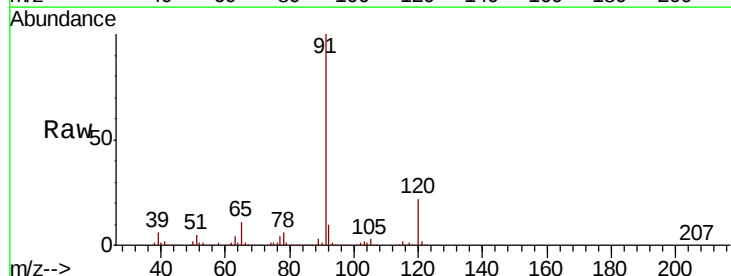
Acq: 11 Sep 2019 9:11

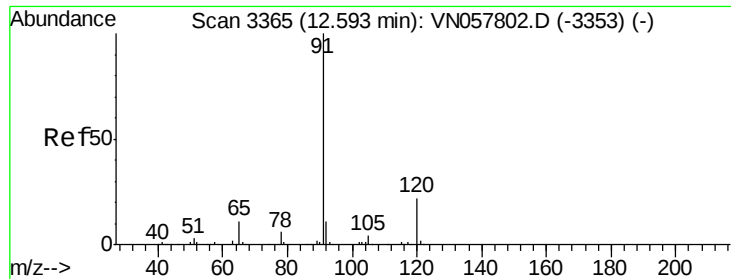
Tgt Ion: 75 Resp: 8963

Ion Ratio Lower Upper

75 100

77 597.1 0.0 0.0#





#78

n-propylbenzene

Concen: 44.846 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

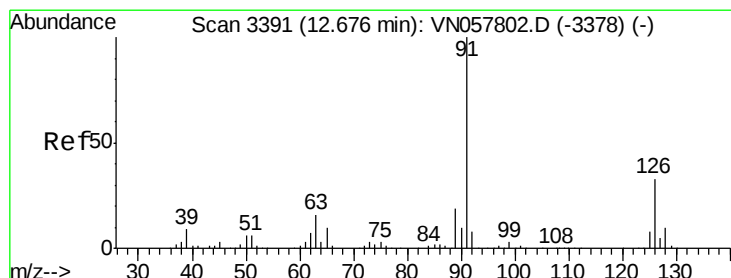
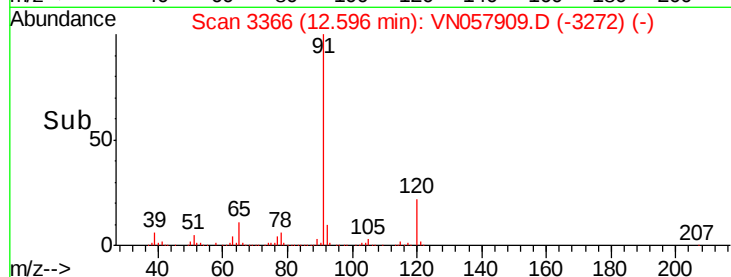
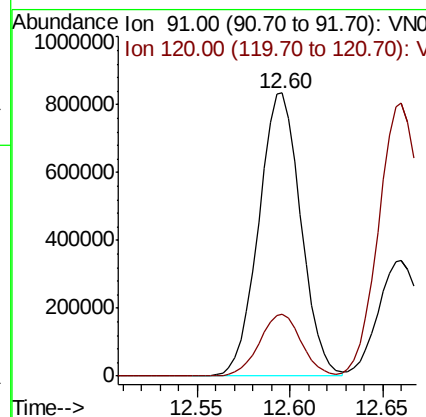
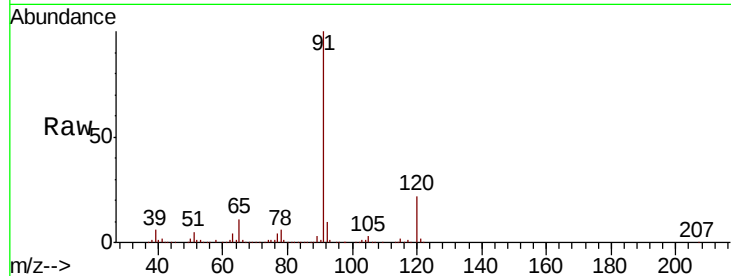
DRUM-2-RAGS

Tgt Ion: 91 Resp: 1318873

Ion Ratio Lower Upper

91 100

120 21.8 11.1 33.1



#79

2-Chlorotoluene

Concen: 29.094 ug/l

RT: 12.66 min Scan# 3386

Delta R.T. -0.02 min

Lab File: VN057909.D

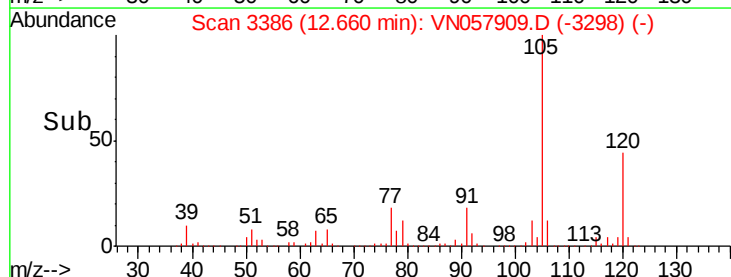
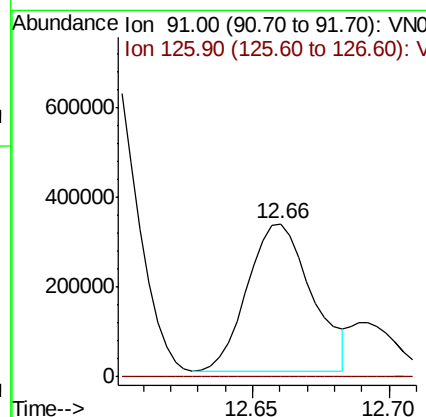
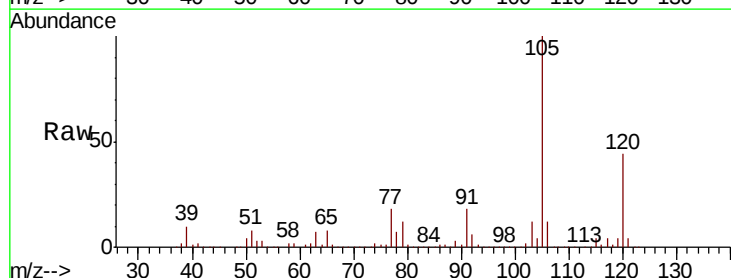
Acq: 11 Sep 2019 9:11

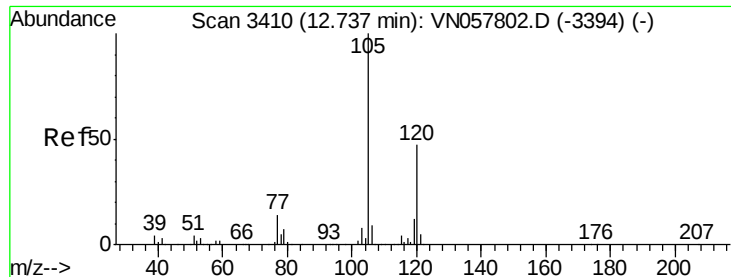
Tgt Ion: 91 Resp: 540772

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.2#

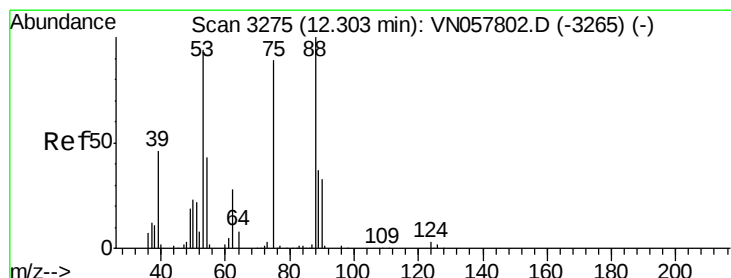
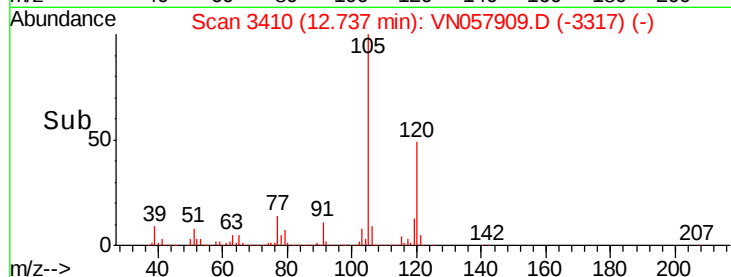
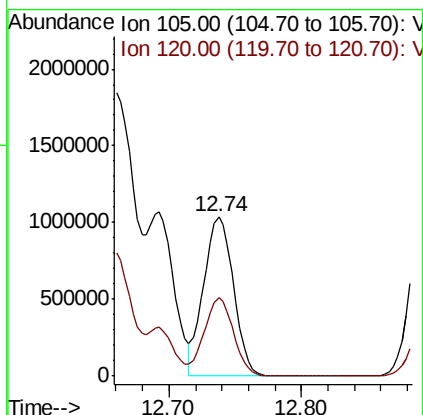
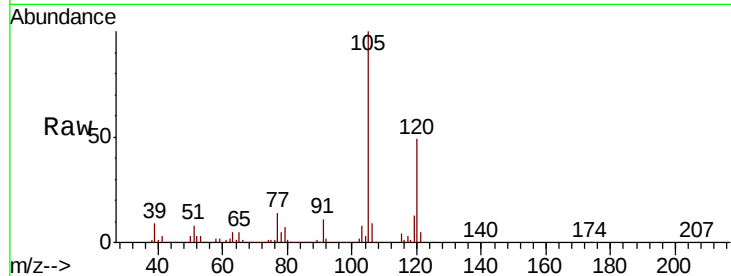




#80
 1,3,5-Trimethylbenzene
 Concen: 74.894 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057909.D
 Acq: 11 Sep 2019 9:11

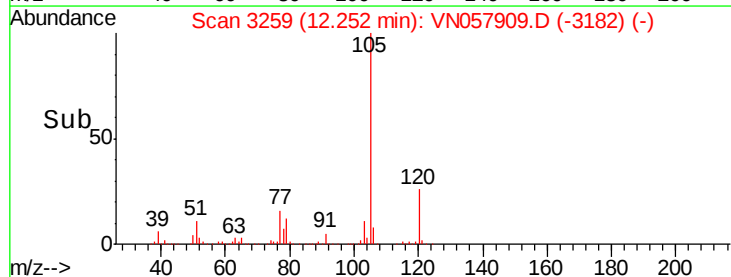
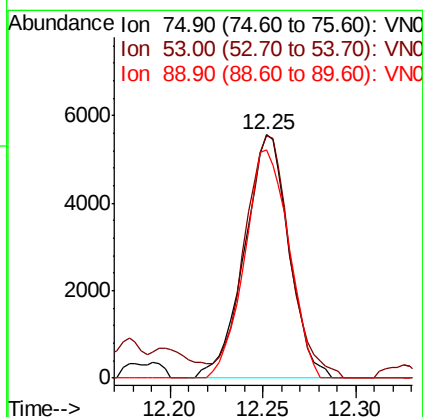
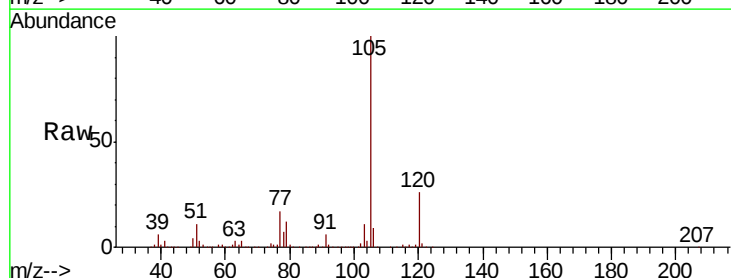
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-2-RAGS

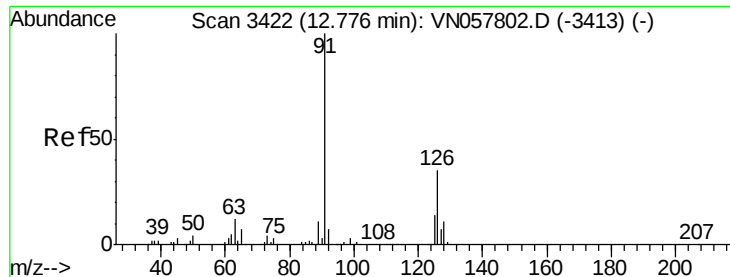
Tgt Ion:105 Resp: 1620653
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.7 71.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.371 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. -0.05 min
 Lab File: VN057909.D
 Acq: 11 Sep 2019 9:11

Tgt Ion: 75 Resp: 9273
 Ion Ratio Lower Upper
 75 100
 53 101.7 88.4 132.6
 89 93.9 35.3 52.9#





#82

4-Chlorotoluene

Concen: 9.522 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.04 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

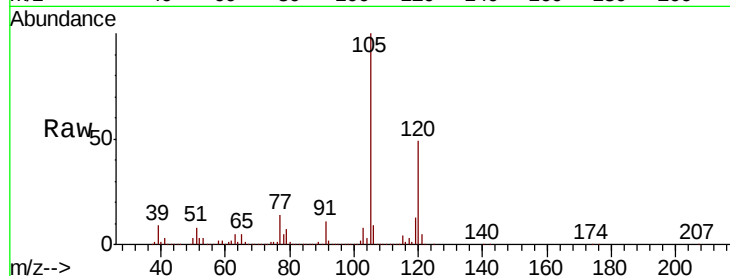
DRUM-2-RAGS

Tgt Ion: 91 Resp: 181761

Ion Ratio Lower Upper

91 100

126 0.0 16.0 48.0#



Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN057802.D (-3413) (-)

250000

200000

150000

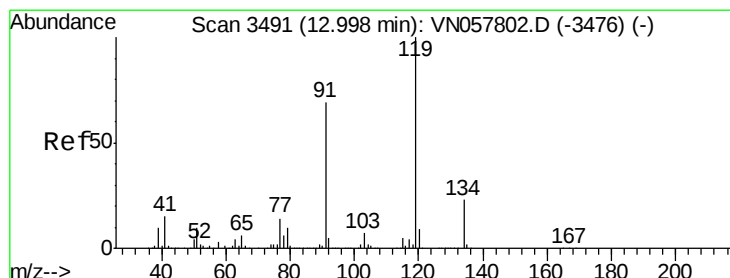
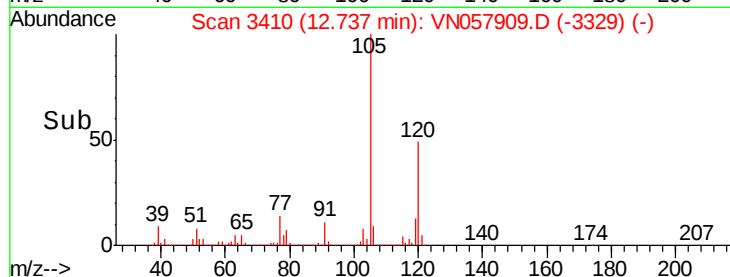
100000

50000

0

12.70 12.75 12.80

Time-->



#83

tert-Butylbenzene

Concen: 43.922 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.05 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

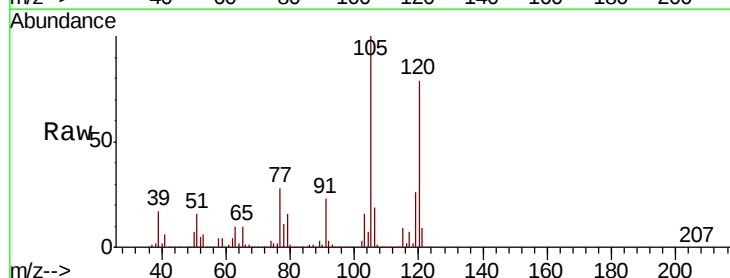
Tgt Ion: 119 Resp: 844863

Ion Ratio Lower Upper

119 100

91 90.7 33.6 100.8

134 0.0 11.7 35.0#



Abundance Ion 119.00 (118.70 to 119.70): VN057802.D (-3476) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-3476) (-)

Ion 134.00 (133.70 to 134.70): VN057802.D (-3476) (-)

600000

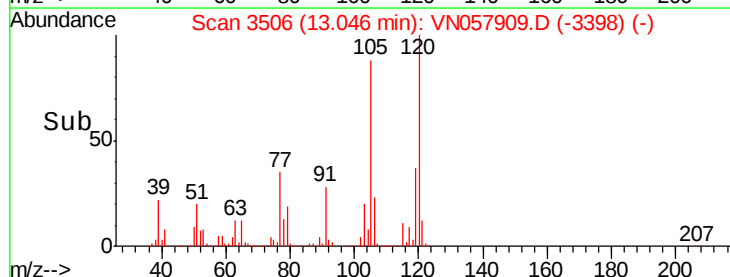
400000

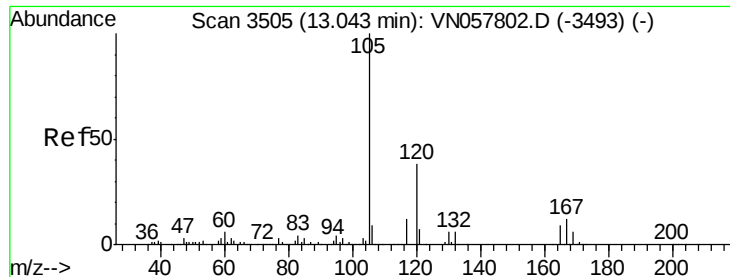
200000

0

13.00 13.05 13.10

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 199.445 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

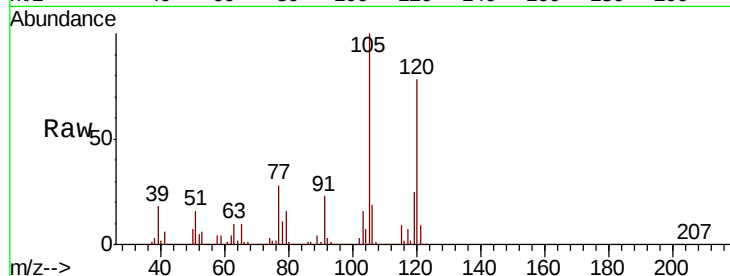
DRUM-2-RAGS

Tgt Ion:105 Resp: 4386438

Ion Ratio Lower Upper

105 100

120 64.8 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

1000000

500000

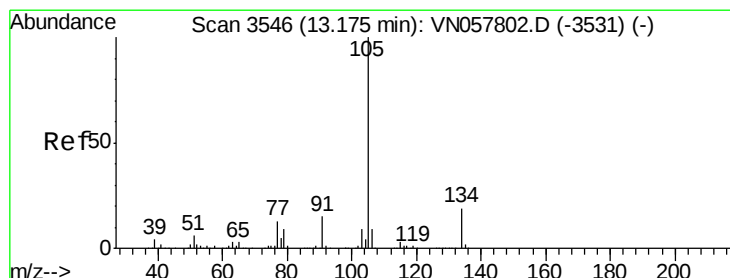
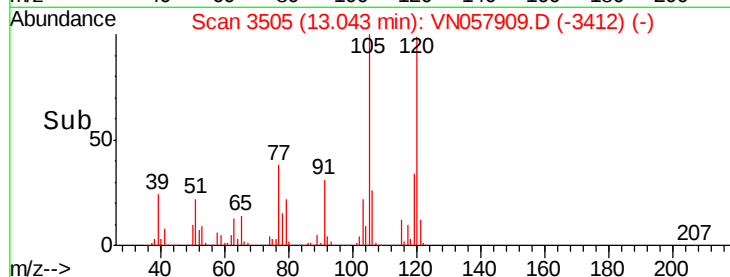
0

13.04

13.00

13.10

Time-->



#85

sec-Butylbenzene

Concen: 9.826 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057909.D

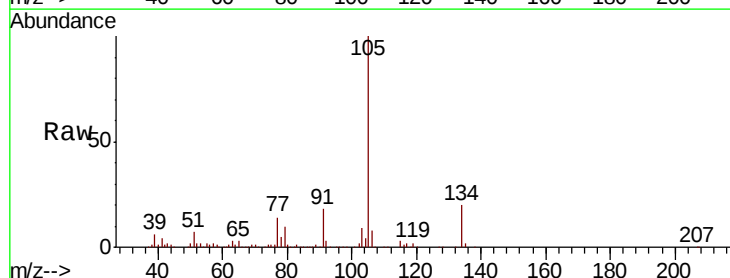
Acq: 11 Sep 2019 9:11

Tgt Ion:105 Resp: 250514

Ion Ratio Lower Upper

105 100

134 22.9 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

100000

50000

0

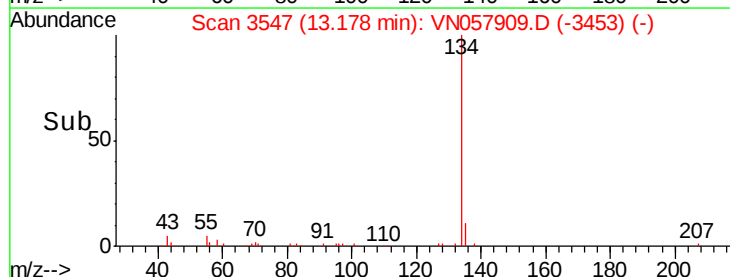
13.18

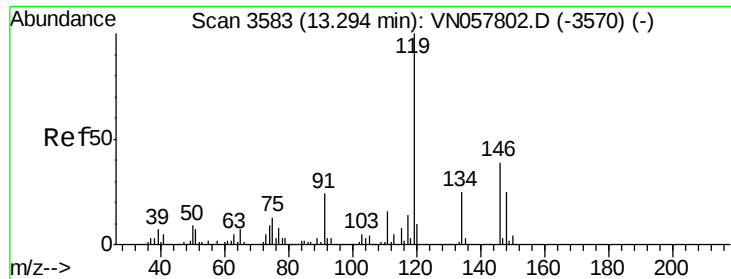
13.10

13.15

13.20

Time-->

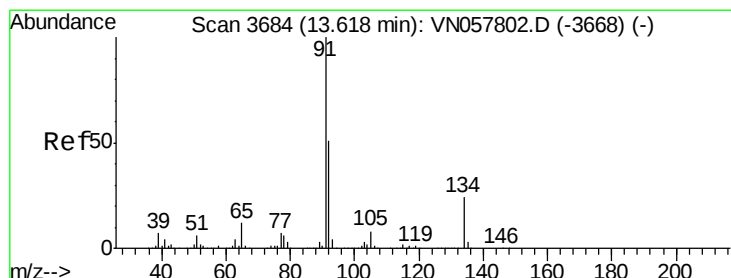
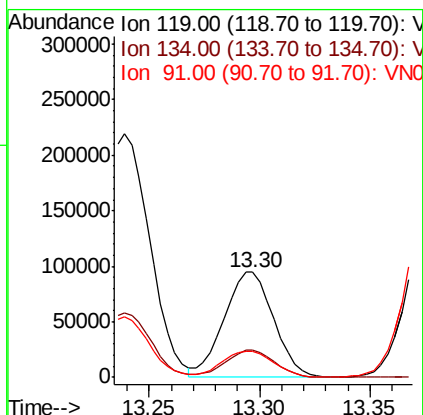
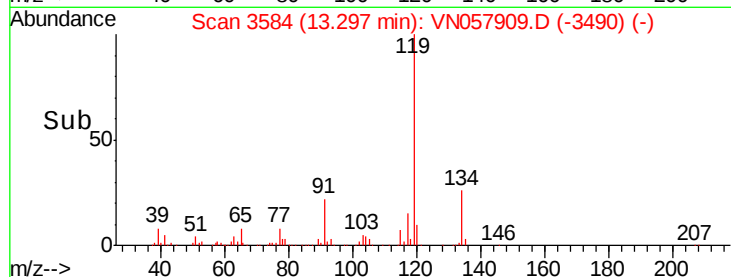
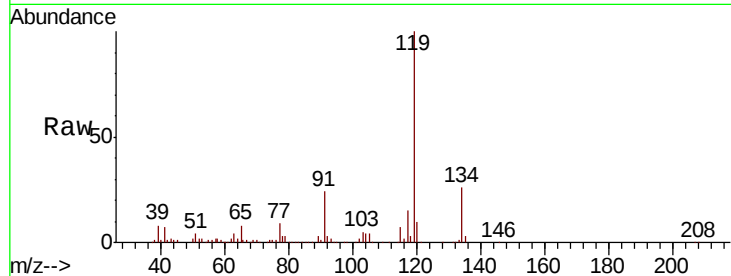




#86
p-Isopropyltoluene
Concen: 6.528 ug/l
RT: 13.30 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

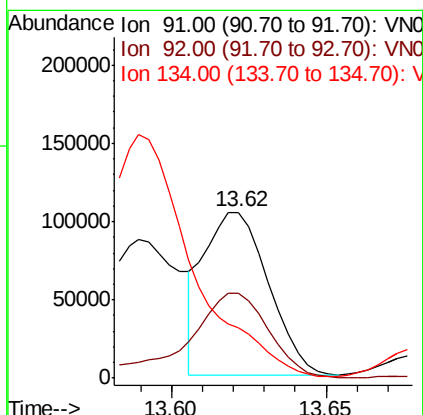
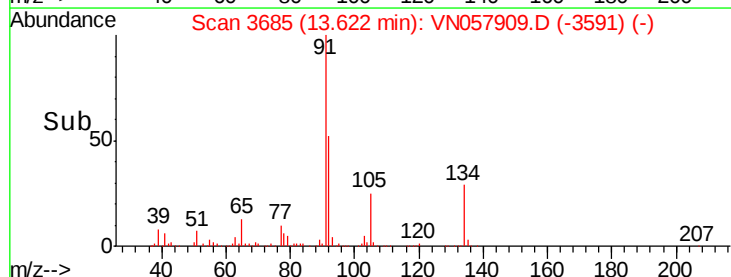
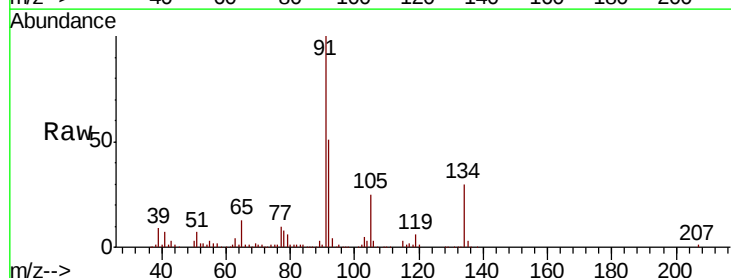
Instrument :
MSVOA_N
ClientSampled :
DRUM-2-RAGS

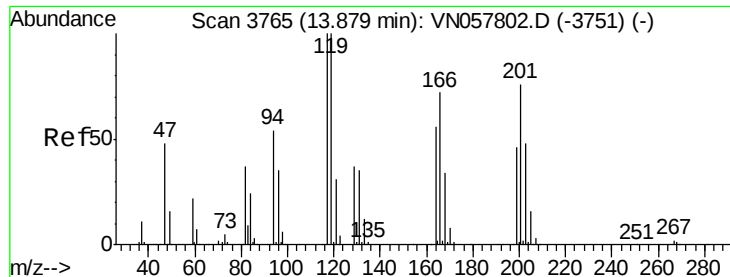
Tgt Ion: 119 Resp: 146647
Ion Ratio Lower Upper
119 100
134 25.6 12.5 37.5
91 25.5 12.3 36.8



#89
n-Butylbenzene
Concen: 7.093 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion: 91 Resp: 150468
Ion Ratio Lower Upper
91 100
92 65.1 25.7 77.0
134 0.0 11.9 35.7#





#90

Hexachloroethane

Concen: 19.138 ug/l

RT: 13.89 min Scan# 3770

Delta R.T. 0.02 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampled :

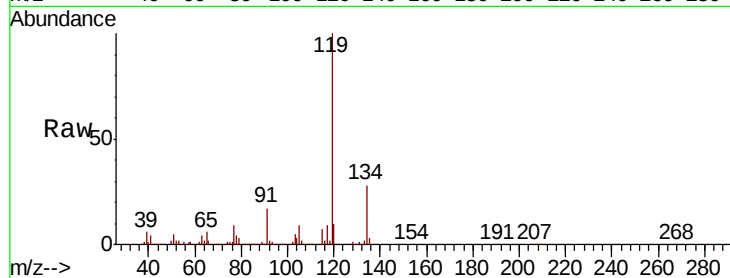
DRUM-2-RAGS

Tgt Ion:117 Resp: 63937

Ion Ratio Lower Upper

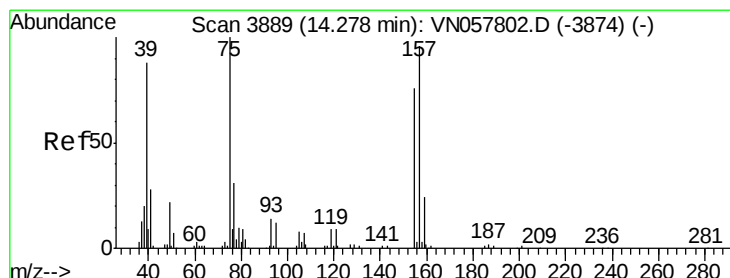
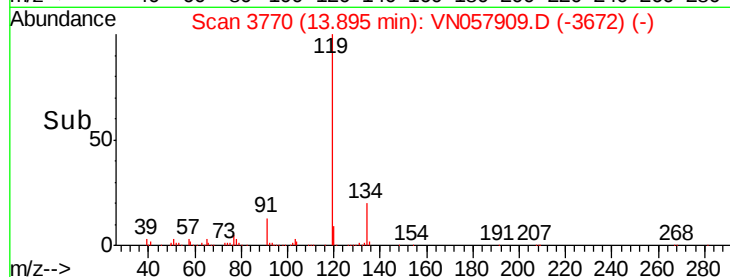
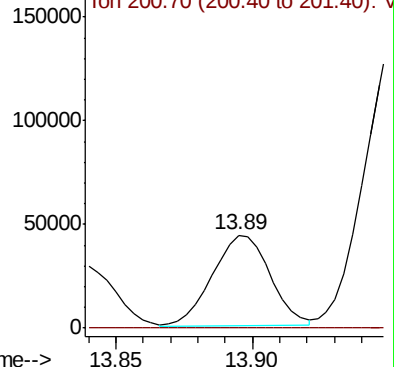
117 100

201 0.0 37.5 112.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.529 ug/l

RT: 14.26 min Scan# 3882

Delta R.T. -0.02 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

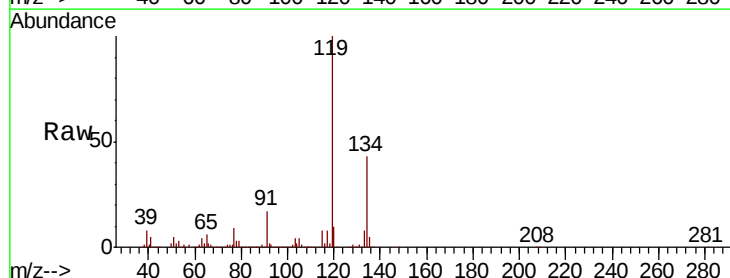
Tgt Ion: 75 Resp: 6450

Ion Ratio Lower Upper

75 100

155 0.0 37.3 111.8#

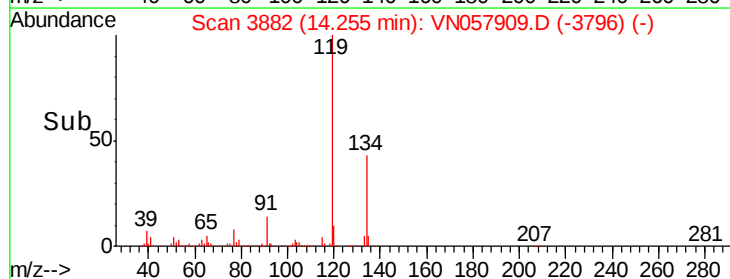
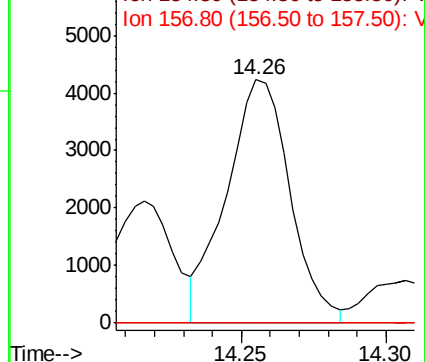
157 0.0 47.9 143.8#

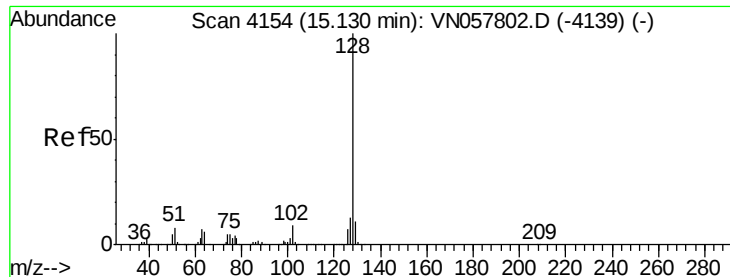


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

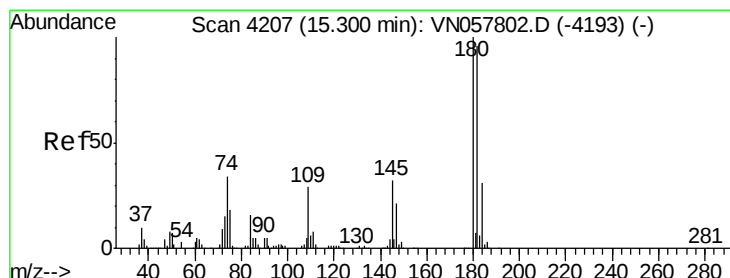
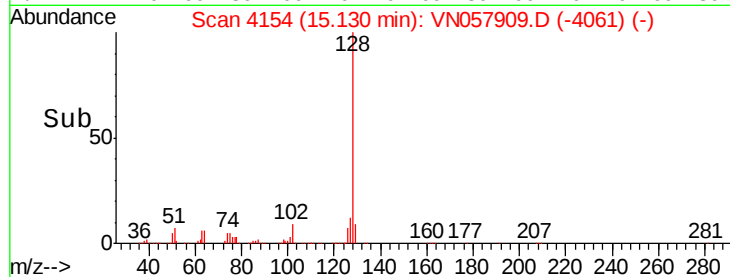
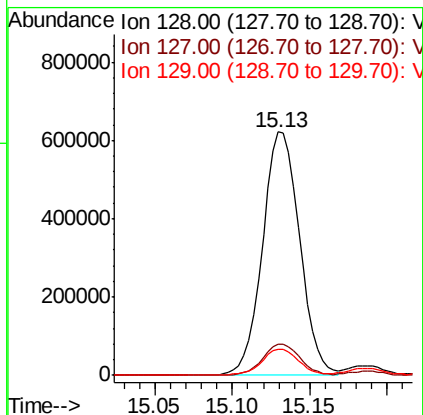
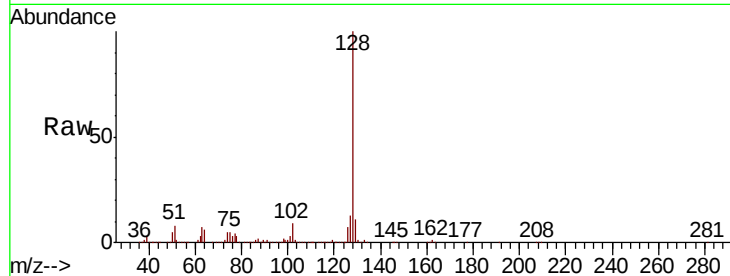




#95
Naphthalene
Concen: 53.719 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
DRUM-2-RAGS

Tgt Ion:128 Resp: 1035644
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 1.024 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.01 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion:180 Resp: 177
Ion Ratio Lower Upper
180 100
182 200.0 48.3 144.8#
145 0.0 16.3 48.8#

