

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059343.D
 Acq On : 21 Nov 2019 18:02
 Operator : JC/SP
 Sample : K5957-12
 Misc : 5.52g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 06:05:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	373641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	579899	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	504442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	424754	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	214666	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
35) Dibromofluoromethane	7.57	113	168857	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
50) Toluene-d8	10.08	98	774634	56.01	ug/l	0.00
Spiked Amount			Recovery	=	112.02%	
62) 4-Bromofluorobenzene	12.40	95	953752	197.22	ug/l	0.00
Spiked Amount			Recovery	=	394.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	2550	2.841	ug/l #	73
17) Carbon Disulfide	4.00	76	1870	0.288	ug/l #	75
31) Cyclohexane	7.63	56	23371	2.961	ug/l #	60
36) 1,1-Dichloropropene	7.64	75	27953	4.669	ug/l #	49
38) Carbon Tetrachloride	7.64	117	35600	6.212	ug/l #	16
39) Methylcyclohexane	9.07	83	181148	25.093	ug/l	99
43) Isopropyl Acetate	8.13	43	4319	0.439	ug/l #	54
45) 1,2-Dichloropropane	9.07	63	1502	0.321	ug/l #	1
47) Bromodichloromethane	9.35	83	2603	0.452	ug/l #	66
48) Methyl methacrylate	9.13	41	10894	2.436	ug/l #	34
51) 4-Methyl-2-Pentanone	10.08	43	46735	8.120	ug/l #	61
55) 1,1,2-Trichloroethane	10.52	97	258043	62.818	ug/l #	18
56) Ethyl methacrylate	10.42	69	123041	19.150	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.71	63	827	23.079	ug/l #	49
59) 2-Hexanone	10.71	43	1085797	257.642	ug/l #	28
60) Dibromochloromethane	10.82	129	1922	0.444	ug/l	56
64) Tetrachloroethene	10.63	164	5205	1.334	ug/l	93
65) Chlorobenzene	11.54	112	84320	7.774	ug/l #	42
67) Ethyl Benzene	11.51	91	2741798	141.574	ug/l	96
68) m/p-Xylenes	11.62	106	90285	12.546	ug/l	88
69) o-Xylene	11.95	106	825554	119.831	ug/l	97
70) Styrene	11.95	104	39791	3.660	ug/l #	1
71) Bromoform	12.40	173	698	0.234	ug/l #	1
73) Isopropylbenzene	12.25	105	3312639	95.204	ug/l	95
74) N-amyl acetate	12.05	43	4254141	304.219	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.47	83	608819	52.894	ug/l #	25
76) 1,2,3-Trichloropropane	12.60	75	63523	6.473	ug/l #	100
77) Bromobenzene	12.50	156	6868	0.814	ug/l #	1
78) n-propylbenzene	12.60	91	6340637	160.872	ug/l #	66
79) 2-Chlorotoluene	12.66	91	2692259	111.285	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.66	105	8178997	279.624	ug/l	77
81) trans-1,4-Dichloro-2-buten	12.25	75	38068	9.703	ug/l #	6
82) 4-Chlorotoluene	12.74	91	1984936	79.287	ug/l #	53
83) tert-Butylbenzene	13.00	119	774806	31.364	ug/l	96

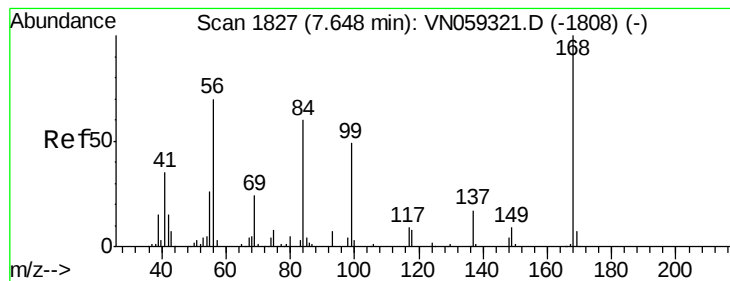
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	12.90	105	6458605	225.410	ug/l	91
85) sec-Butylbenzene	13.18	105	4700772	141.577	ug/l #	50
86) p-Isopropyltoluene	13.30	119	4573240	154.784	ug/l	85
89) n-Butylbenzene	13.62	91	4008367	154.651	ug/l #	59
90) Hexachloroethane	13.90	117	779175	139.249	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.25	75	37993	15.526	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	1313	3.075	ug/l #	1
95) Naphthalene	15.13	128	2203951	85.599	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	222	1.925	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

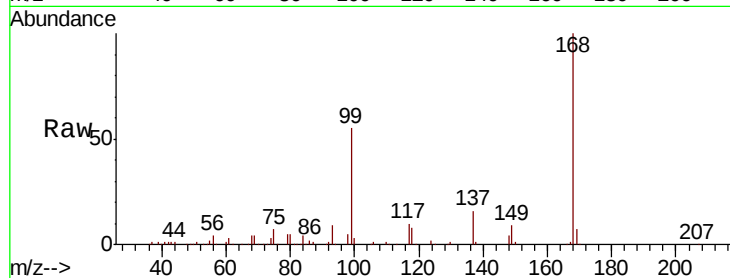
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 373641

Ion Ratio Lower Upper

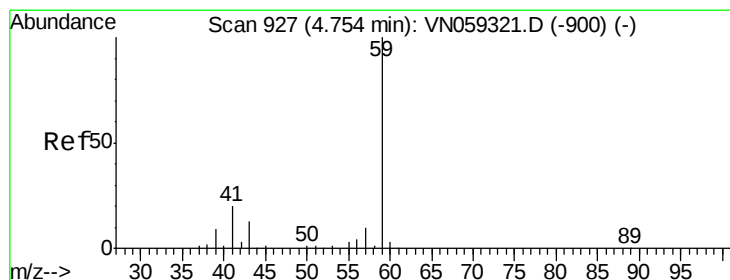
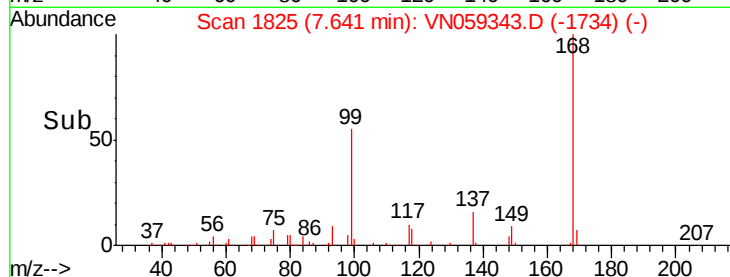
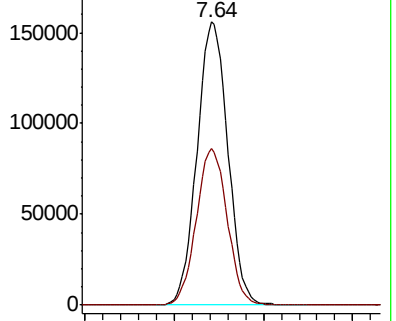
168 100

99 55.2 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 2.841 ug/l

RT: 4.70 min Scan# 911

Delta R.T. -0.05 min

Lab File: VN059343.D

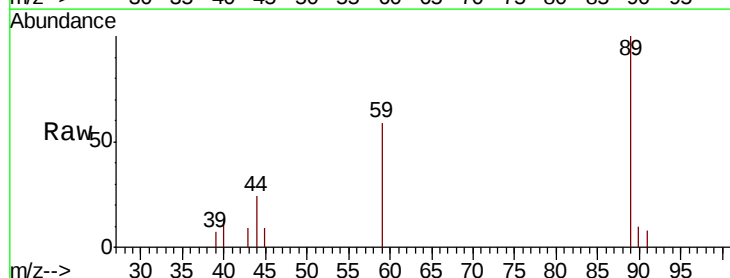
Acq: 21 Nov 2019 18:02

Tgt Ion: 59 Resp: 2550

Ion Ratio Lower Upper

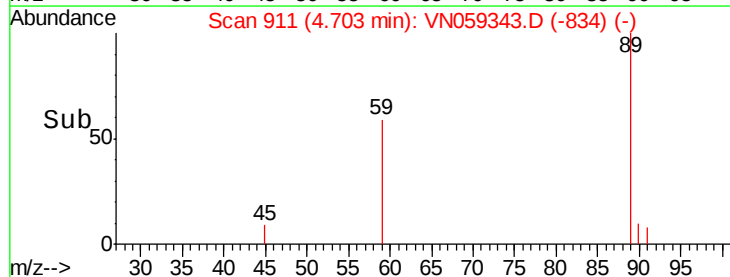
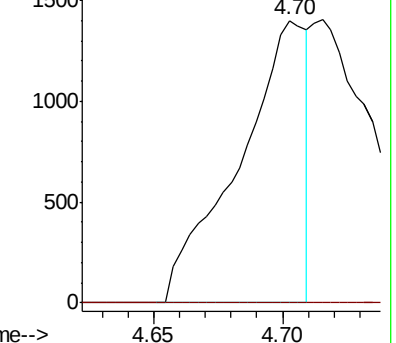
59 100

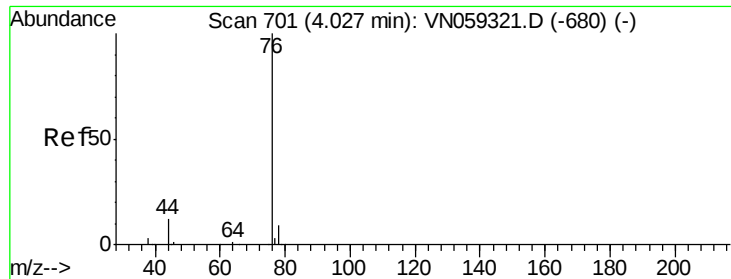
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#17

Carbon Disulfide

Concen: 0.288 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.02 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

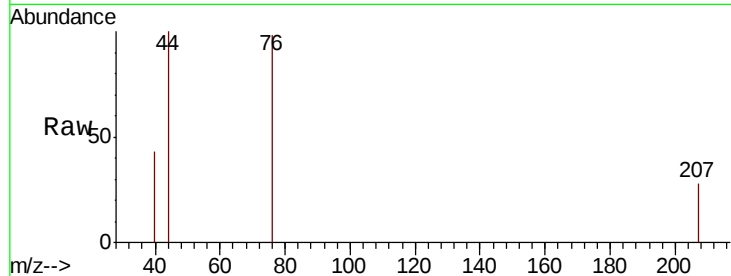
ClientSampleId :

Tot Ion: 76 Resp: 1870

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

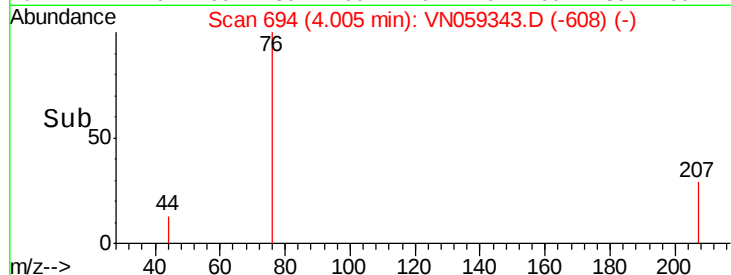
Ion 77.90 (77.60 to 78.60): VN0

4.00

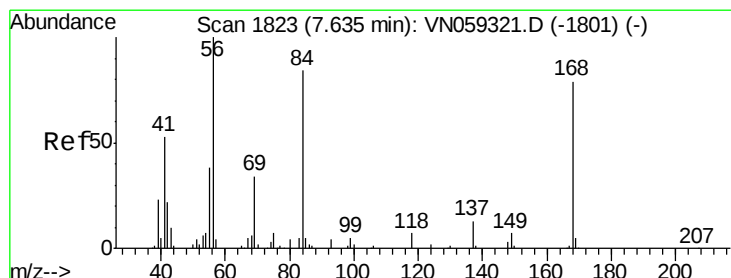
600

800

Time-->



Time-->



#31

Cyclohexane

Concen: 2.961 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

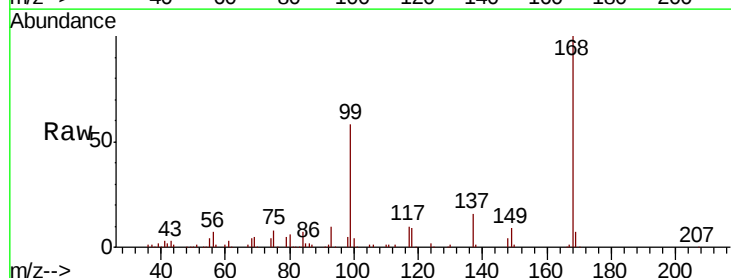
Tgt Ion: 56 Resp: 23371

Ion Ratio Lower Upper

56 100

69 80.9 26.6 40.0#

84 104.0 67.0 100.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

7.63

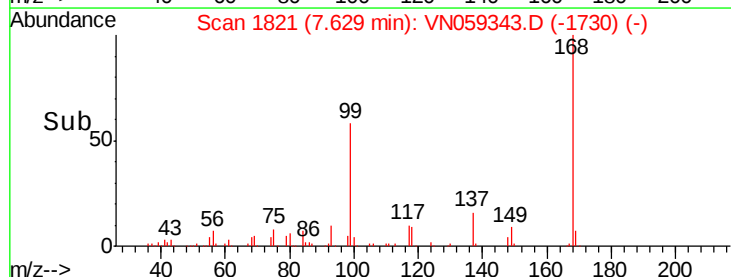
8000

6000

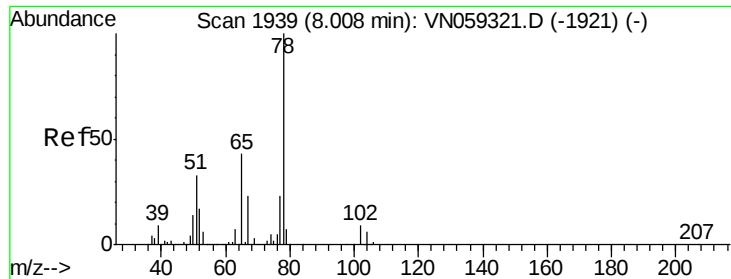
4000

2000

Time-->



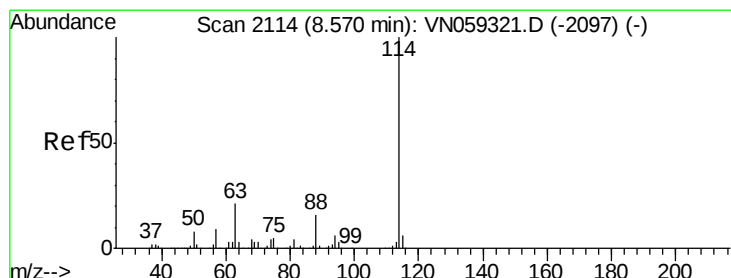
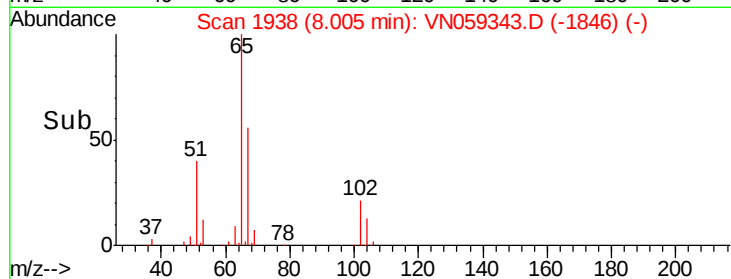
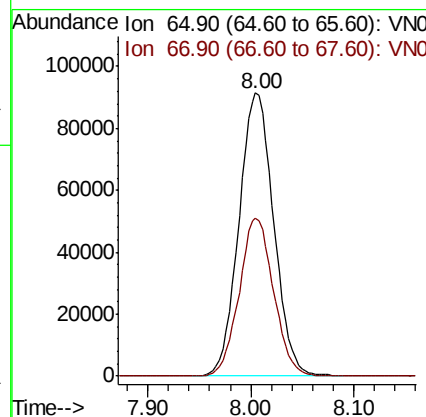
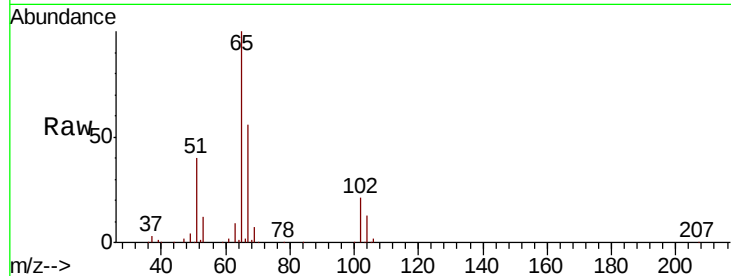
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 47.884 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059343.D
 Acq: 21 Nov 2019 18:02

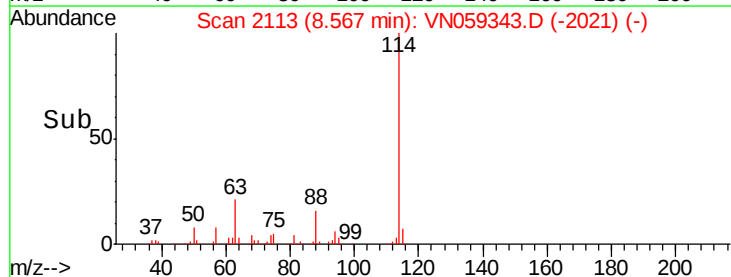
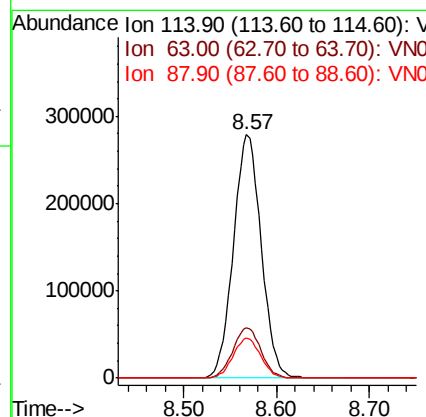
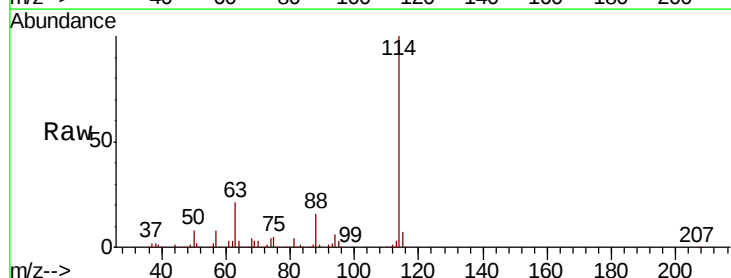
Instrument :
 MSVOA_N
 ClientSampled :

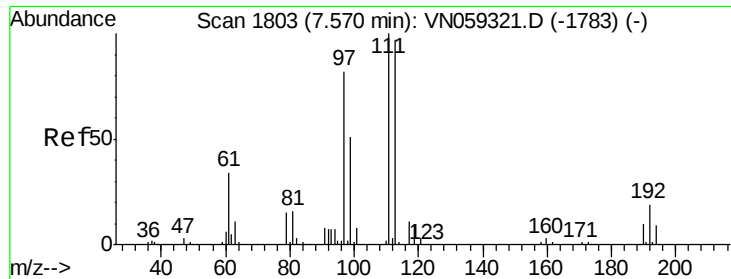
Tot Ion: 65 Resp: 214666
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059343.D
 Acq: 21 Nov 2019 18:02

Tgt Ion: 114 Resp: 579899
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.2
 88 16.3 0.0 32.2

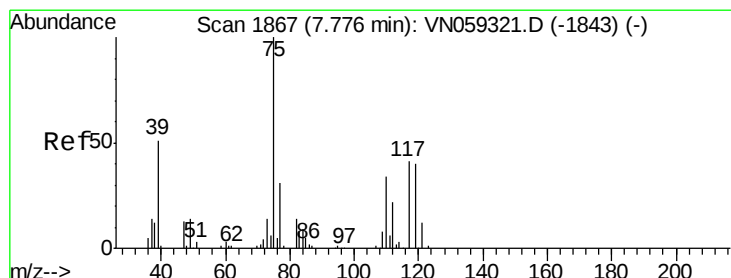
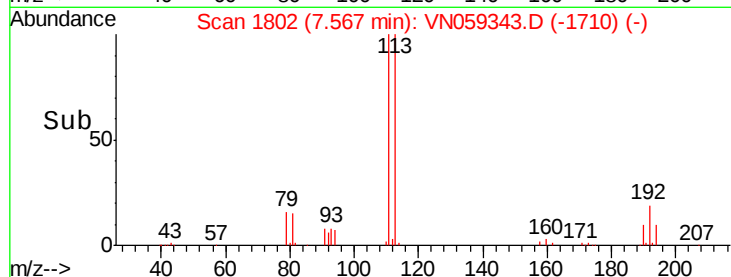
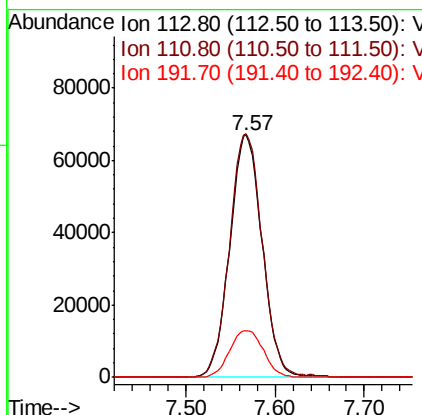
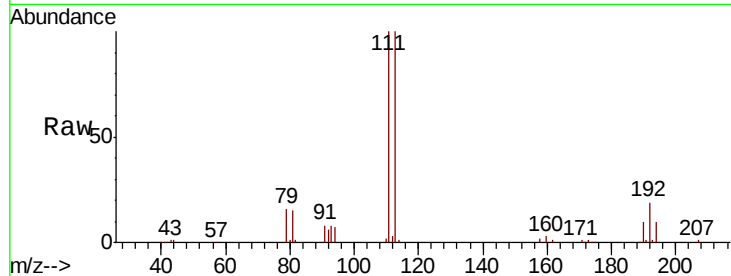




#35
 Dibromofluoromethane
 Concen: 48.535 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059343.D
 Acq: 21 Nov 2019 18:02

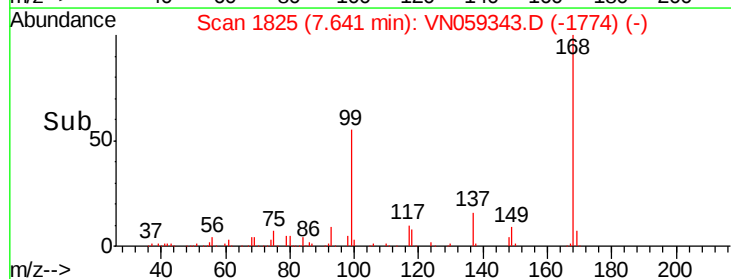
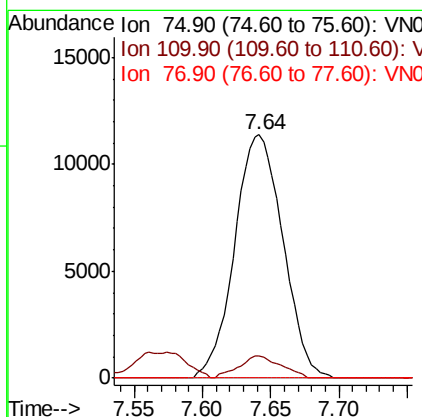
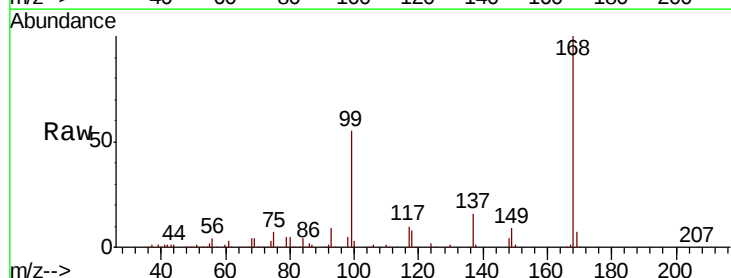
Instrument :
 MSVOA_N
 ClientSampled :

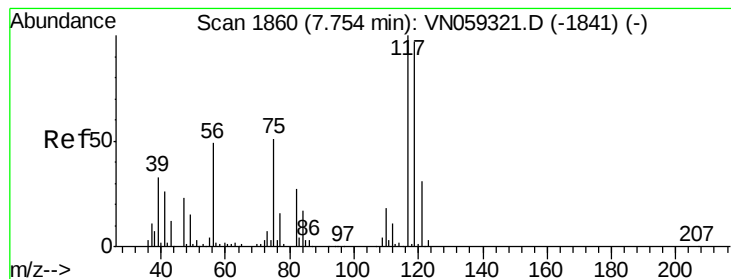
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.7	124.1
192	20.1	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 4.669 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059343.D
 Acq: 21 Nov 2019 18:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.0	51.0#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.212 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

ClientSampleId :

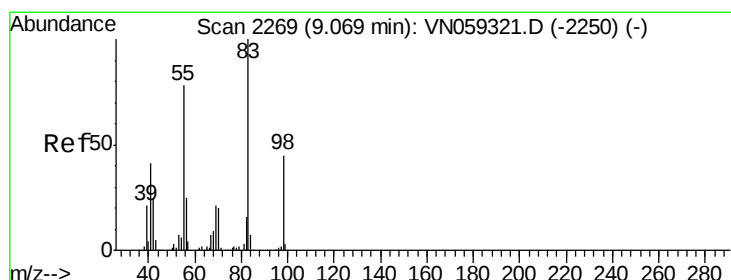
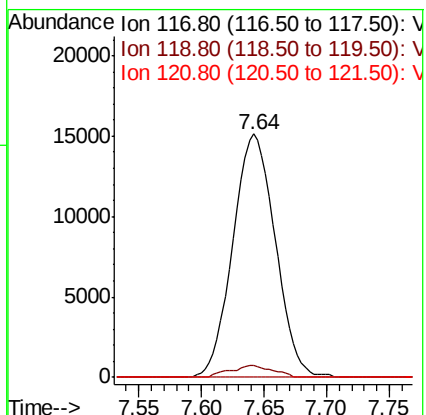
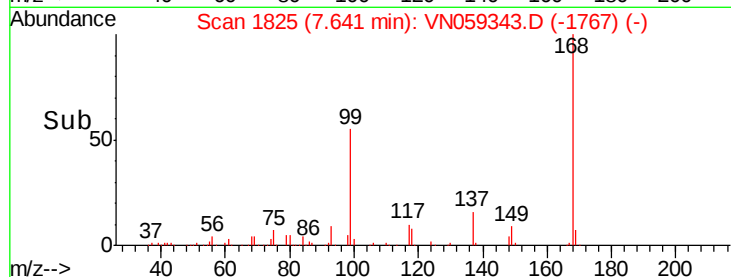
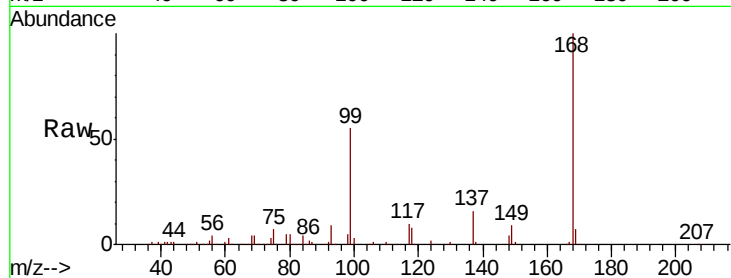
Tot Ion:117 Resp: 35600

Ion Ratio Lower Upper

117 100

119 4.9 77.0 115.4#

121 0.0 24.4 36.6#



#39

Methylcyclohexane

Concen: 25.093 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

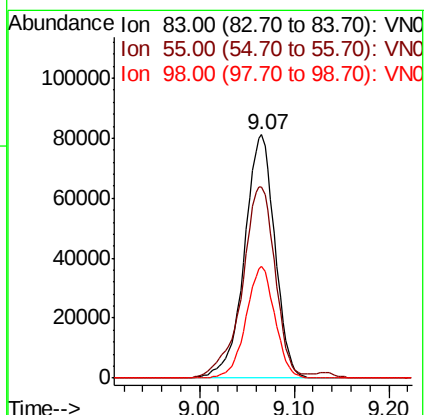
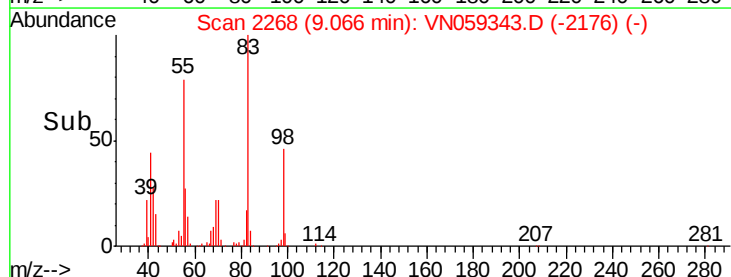
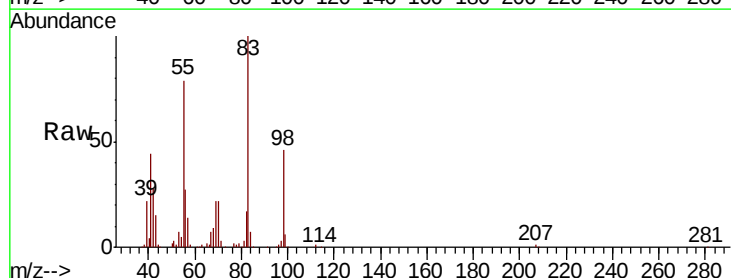
Tgt Ion: 83 Resp: 181148

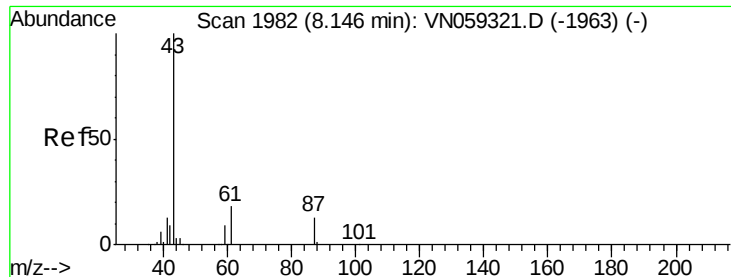
Ion Ratio Lower Upper

83 100

55 78.6 62.3 93.5

98 45.9 36.0 54.0





#43

Isopropyl Acetate

Concen: 0.439 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. -0.02 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

ClientSampleId :

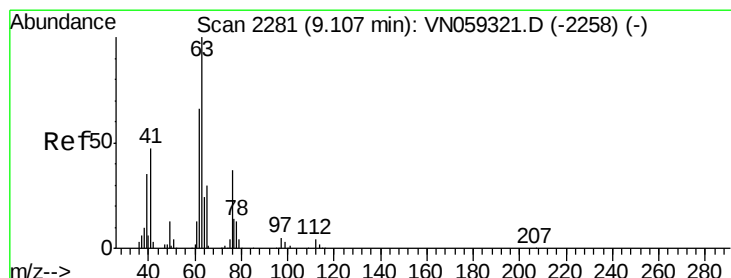
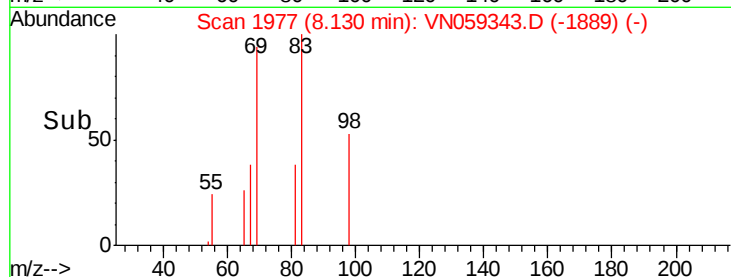
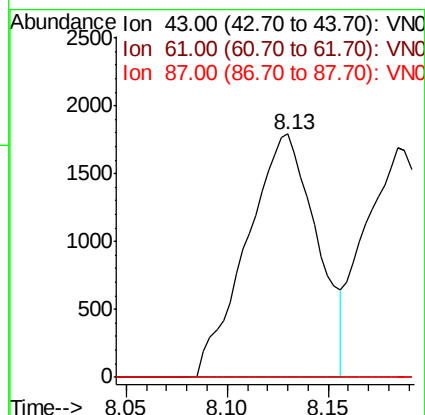
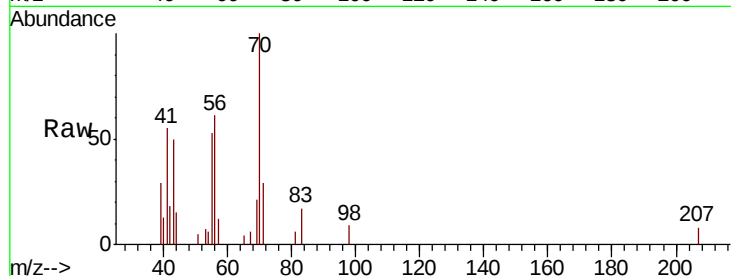
Tot Ion: 43 Resp: 4319

Ion Ratio Lower Upper

43 100

61 0.0 21.7 32.5#

87 0.0 10.2 15.4#



#45

1,2-Dichloropropane

Concen: 0.321 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.04 min

Lab File: VN059343.D

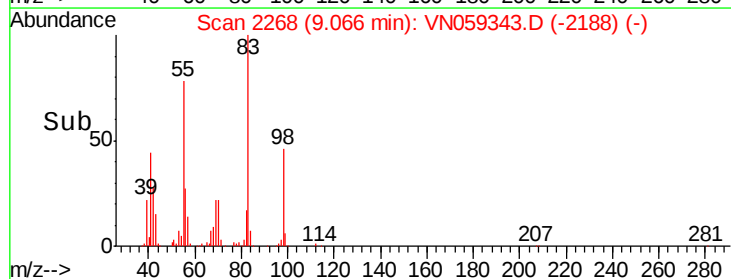
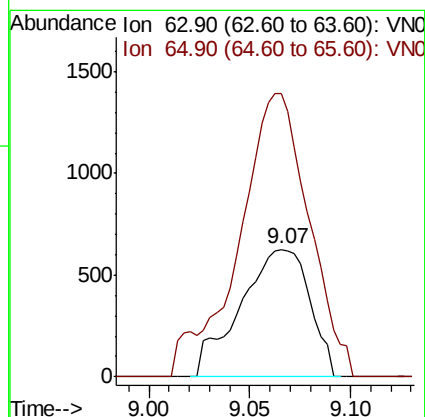
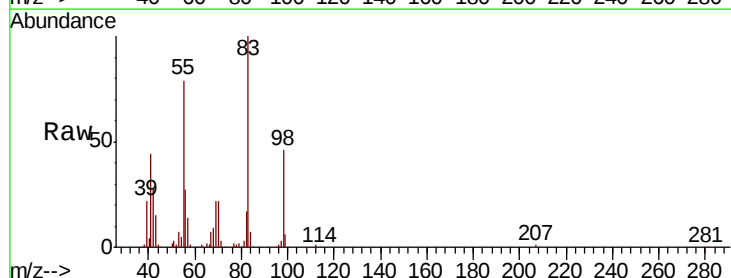
Acq: 21 Nov 2019 18:02

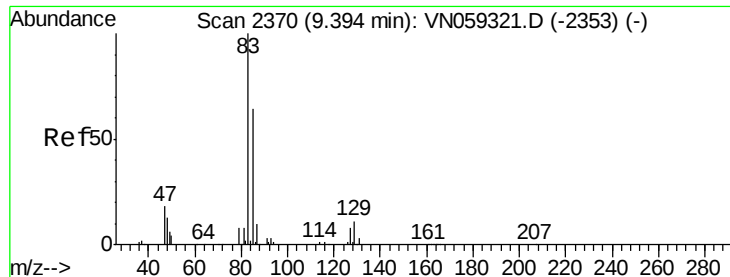
Tgt Ion: 63 Resp: 1502

Ion Ratio Lower Upper

63 100

65 196.2 23.9 35.9#





#47

Bromodichloromethane

Concen: 0.452 ug/l

RT: 9.35 min Scan# 2357

Delta R.T. -0.04 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

ClientSampled :

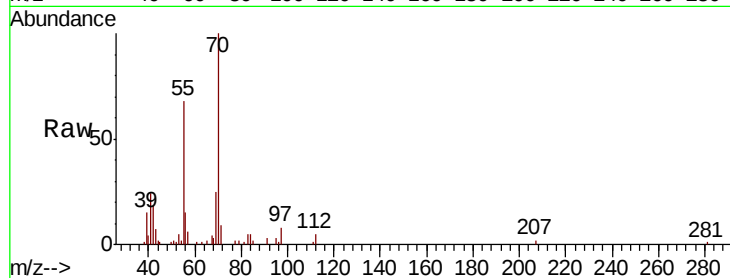
Tot Ion: 83 Resp: 2603

Ion Ratio Lower Upper

83 100

85 36.3 51.5 77.3#

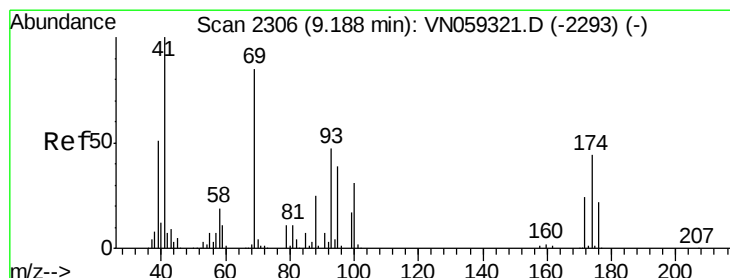
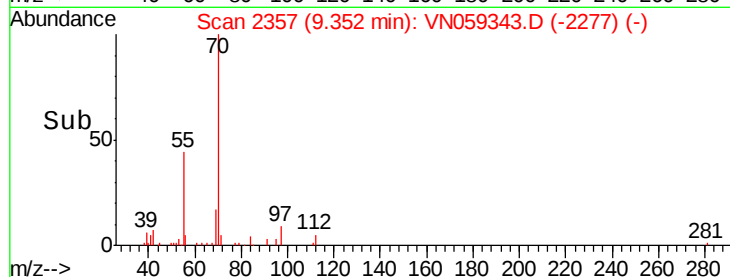
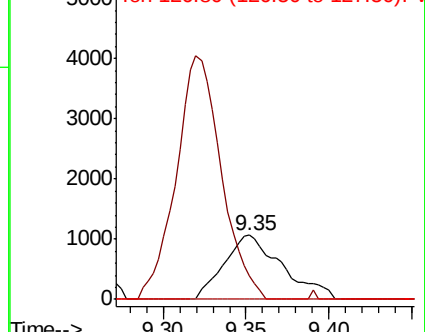
127 0.0 6.6 10.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 2.436 ug/l

RT: 9.13 min Scan# 2287

Delta R.T. -0.06 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

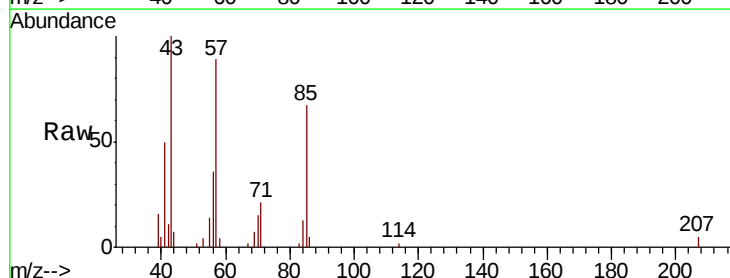
Tgt Ion: 41 Resp: 10894

Ion Ratio Lower Upper

41 100

69 0.0 68.8 103.2#

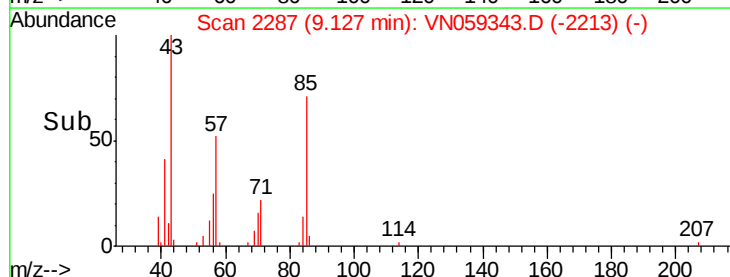
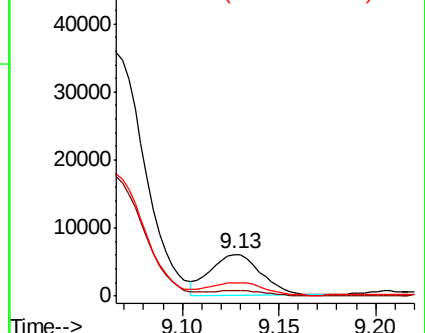
39 37.7 42.1 63.1#

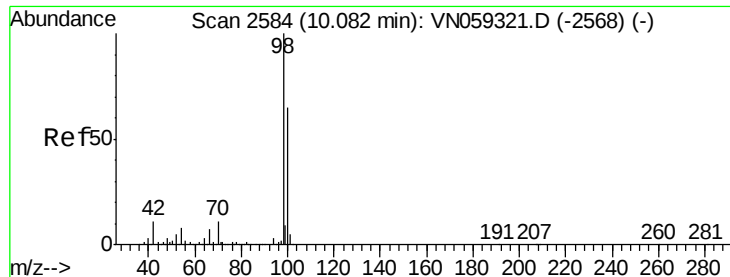


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 56.008 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

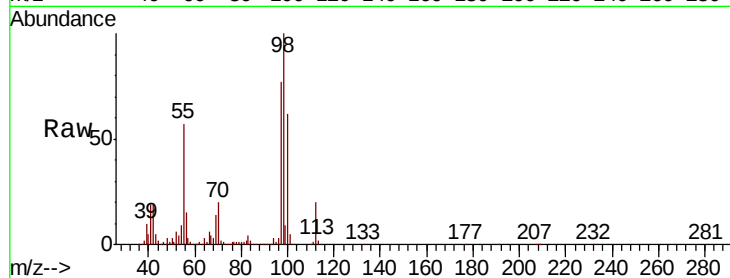
ClientSampleId :

Tot Ion: 98 Resp: 774634

Ion Ratio Lower Upper

98 100

100 59.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

400000

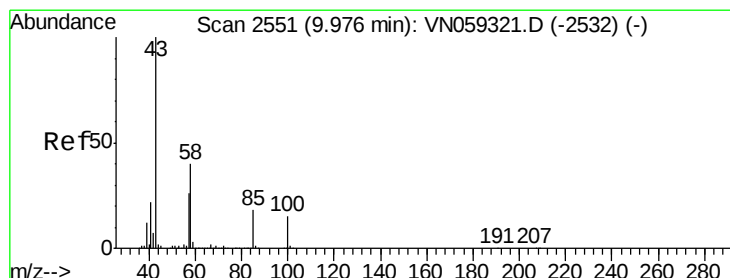
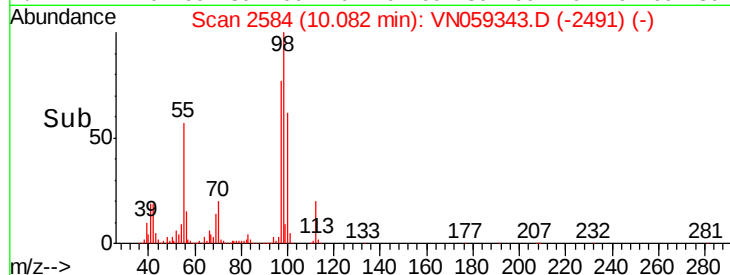
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 8.120 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.10 min

Lab File: VN059343.D

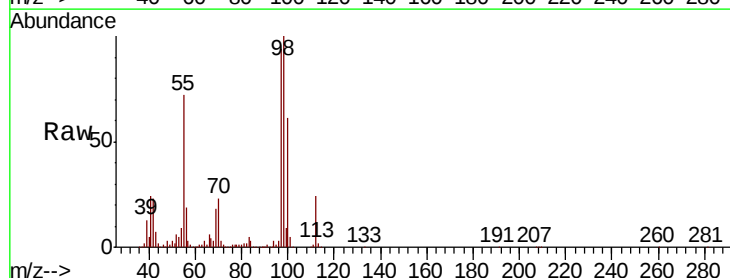
Acq: 21 Nov 2019 18:02

Tgt Ion: 43 Resp: 46735

Ion Ratio Lower Upper

43 100

58 15.5 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.08

25000

20000

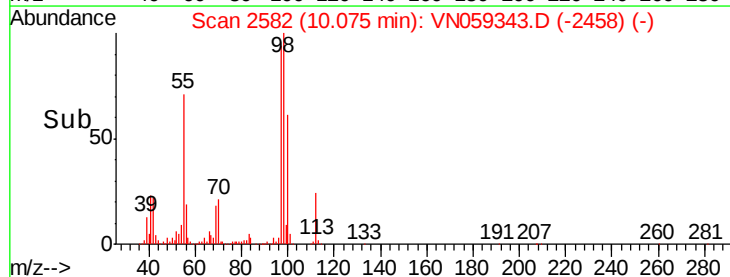
15000

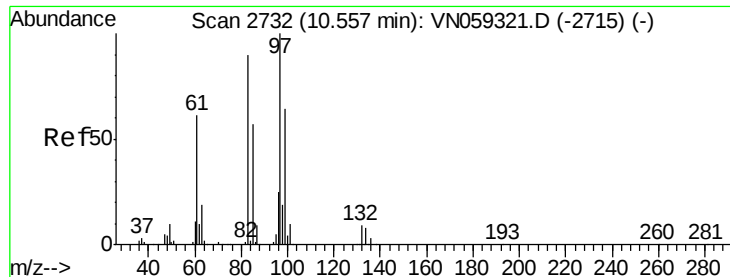
10000

5000

0

Time-->

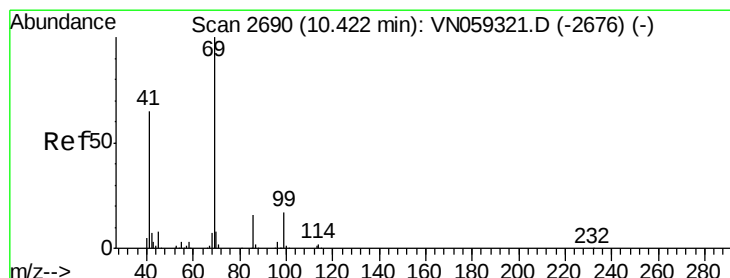
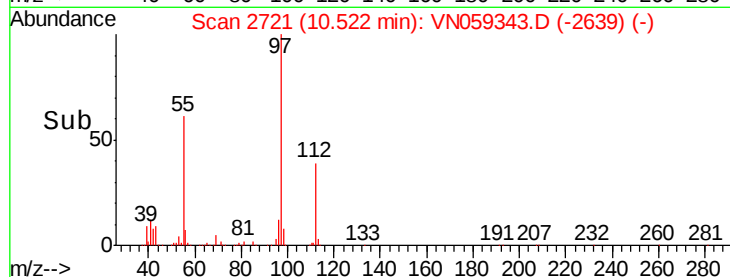
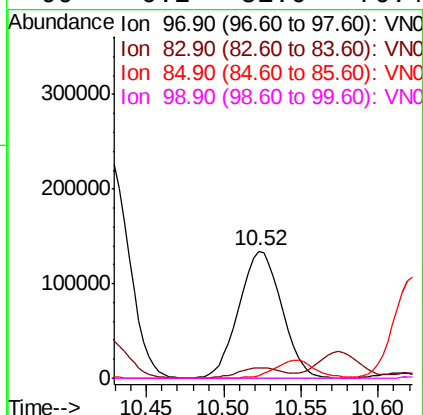
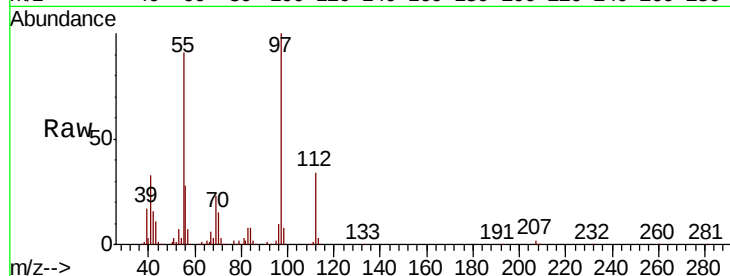




#55
 1,1,2-Trichloroethane
 Concen: 62.818 ug/l
 RT: 10.52 min Scan# 2721
 Delta R.T. -0.04 min
 Lab File: VN059343.D
 Acq: 21 Nov 2019 18:02

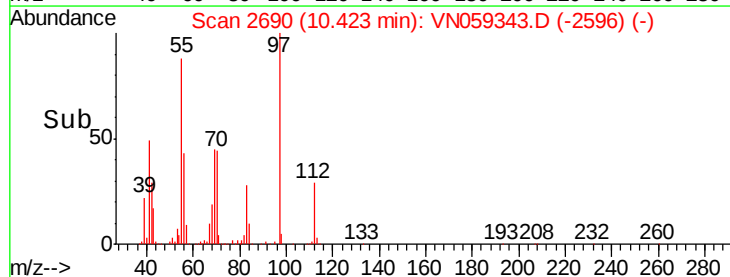
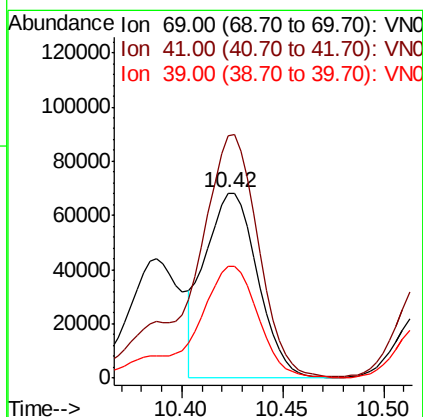
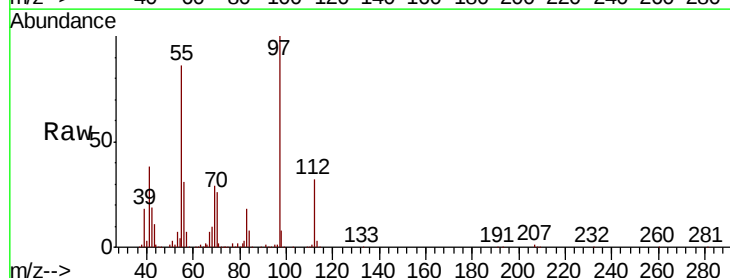
Instrument :
 MSVOA_N
 ClientSampleId :

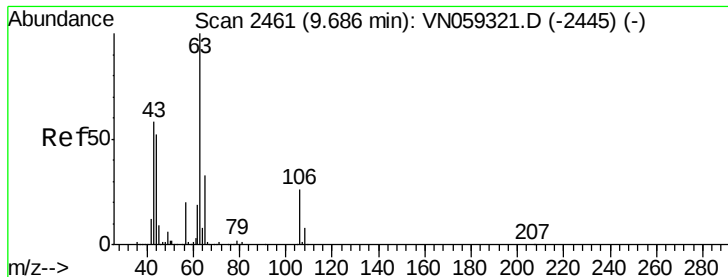
Tot Ion: 97 Resp: 258043
 Ion Ratio Lower Upper
 97 100
 83 8.5 72.0 108.0#
 85 2.3 45.8 68.6#
 99 0.2 51.0 76.4#



#56
 Ethyl methacrylate
 Concen: 19.150 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059343.D
 Acq: 21 Nov 2019 18:02

Tgt Ion: 69 Resp: 123041
 Ion Ratio Lower Upper
 69 100
 41 168.9 51.7 77.5#
 39 76.9 25.2 37.8#

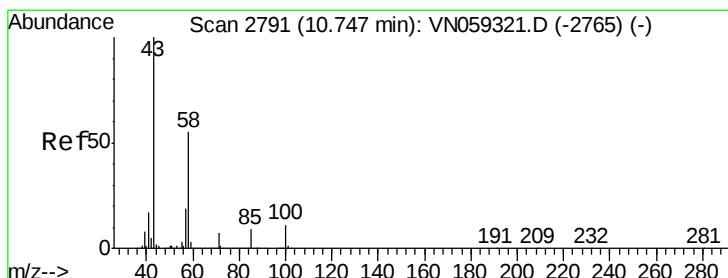
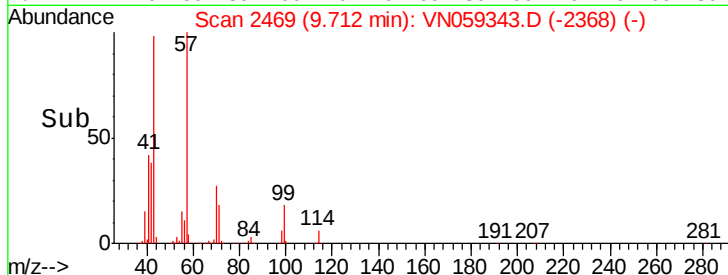
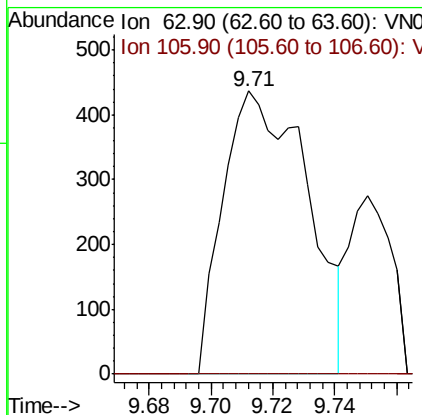
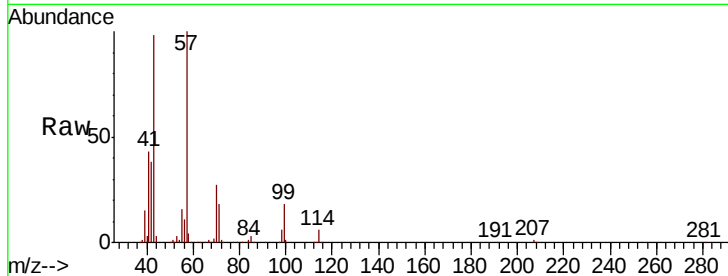




#58
2-Chloroethyl Vinyl ether
Concen: 23.079 ug/l
RT: 9.71 min Scan# 2469
Delta R.T. 0.03 min
Lab File: VN059343.D
Acq: 21 Nov 2019 18:02

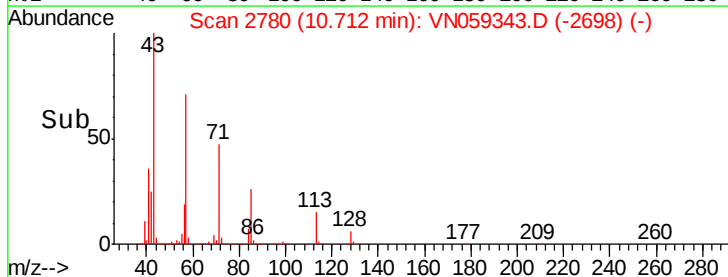
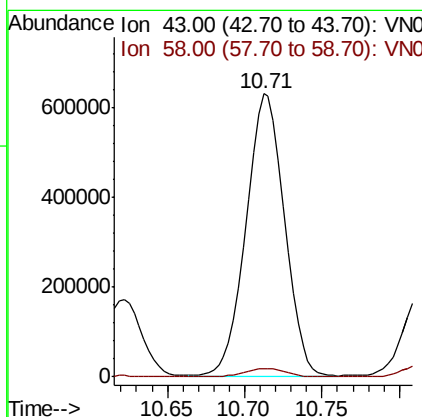
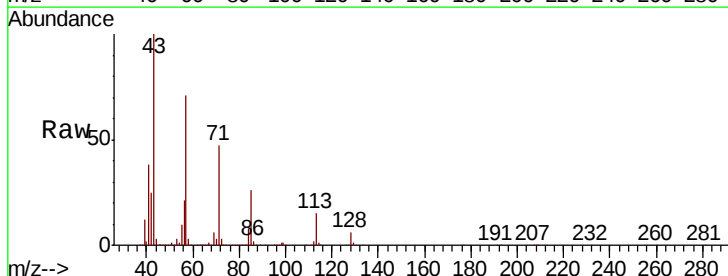
Instrument :
MSVOA_N
ClientSampleId :

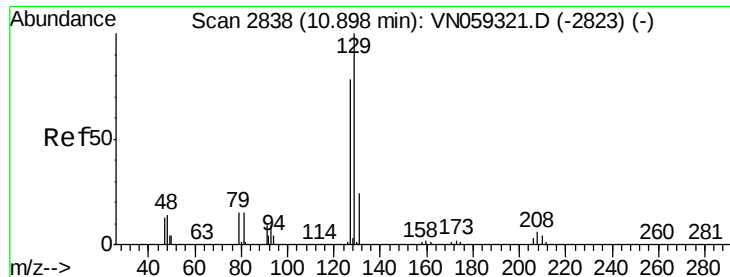
Tot Ion: 63 Resp: 827
Ion Ratio Lower Upper
63 100
106 0.0 20.5 30.7#



#59
2-Hexanone
Concen: 257.642 ug/l
RT: 10.71 min Scan# 2780
Delta R.T. -0.04 min
Lab File: VN059343.D
Acq: 21 Nov 2019 18:02

Tgt Ion: 43 Resp: 1085797
Ion Ratio Lower Upper
43 100
58 3.1 27.7 83.0#





#60

Dibromochloromethane

Concen: 0.444 ug/l

RT: 10.82 min Scan# 2813

Delta R.T. -0.08 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

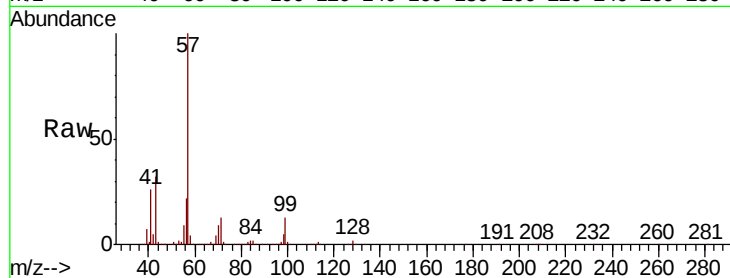
ClientSampleId :

Tot Ion:129 Resp: 1922

Ion Ratio Lower Upper

129 100

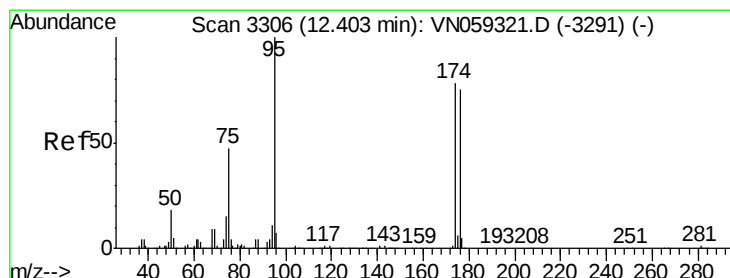
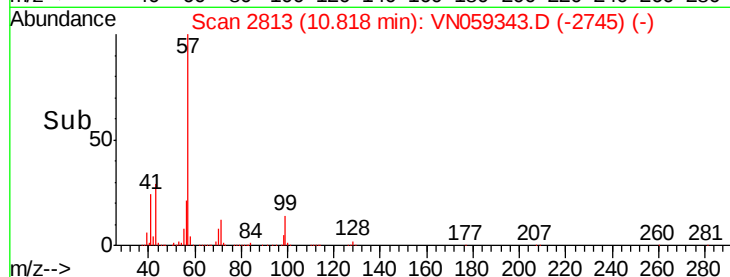
127 39.1 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

Time--> 10.75 10.80 10.85



#62

4-Bromofluorobenzene

Concen: 197.218 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.01 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

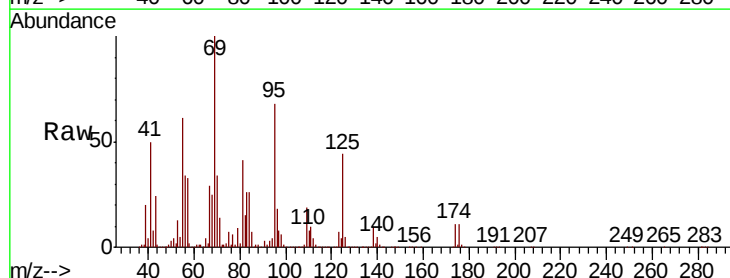
Tgt Ion: 95 Resp: 953752

Ion Ratio Lower Upper

95 100

174 20.3 0.0 157.4

176 20.0 0.0 151.2

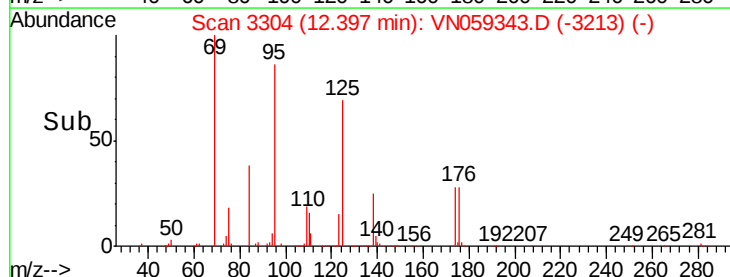


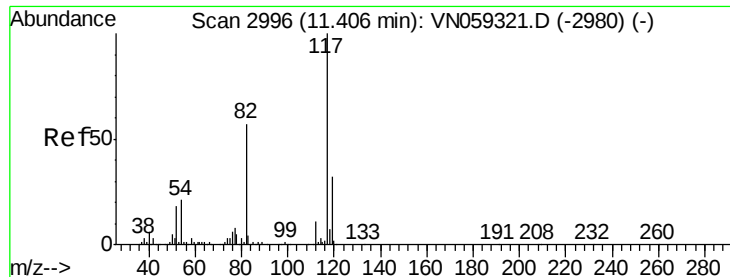
Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time--> 12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

ClientSampled :

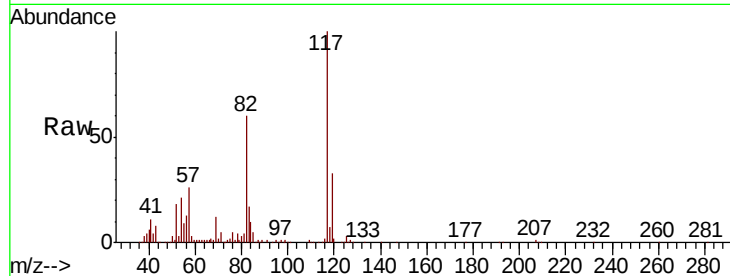
Tot Ion:117 Resp: 504442

Ion Ratio Lower Upper

117 100

82 41.8 45.7 68.5#

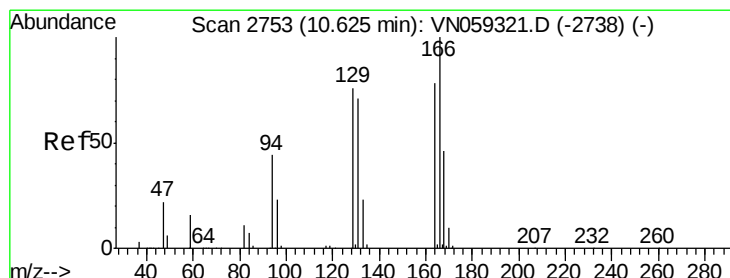
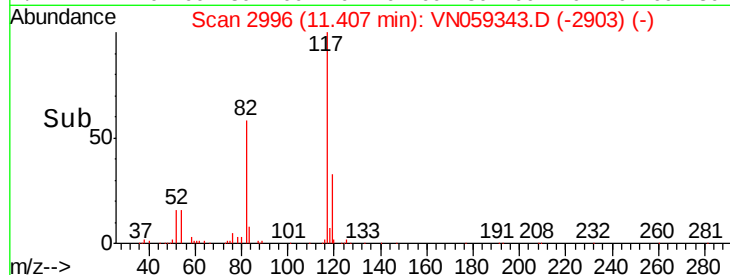
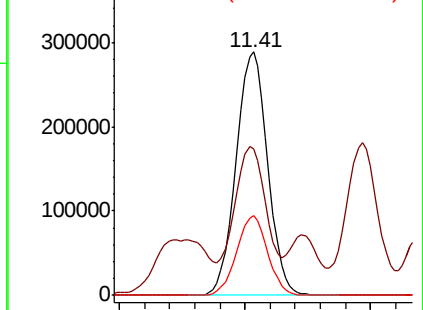
119 32.5 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 1.334 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Tgt Ion:164 Resp: 5205

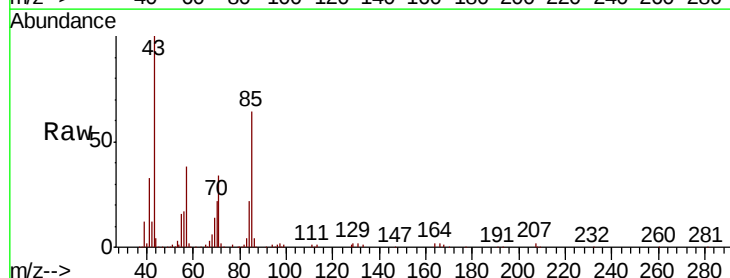
Ion Ratio Lower Upper

164 100

166 117.1 102.9 154.3

129 97.1 78.2 117.2

131 101.5 72.6 109.0

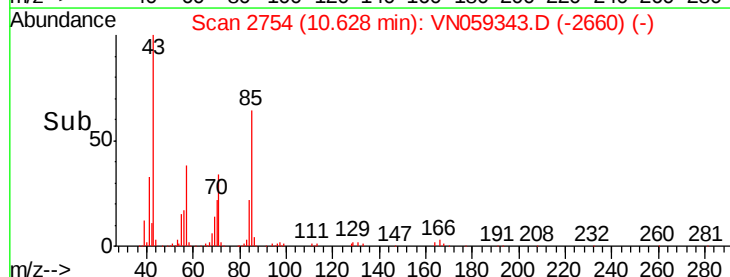
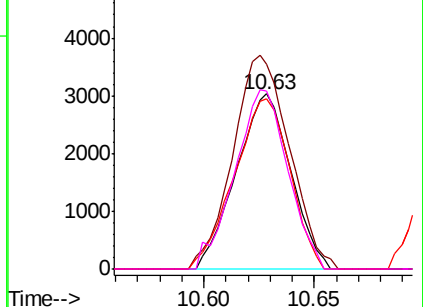


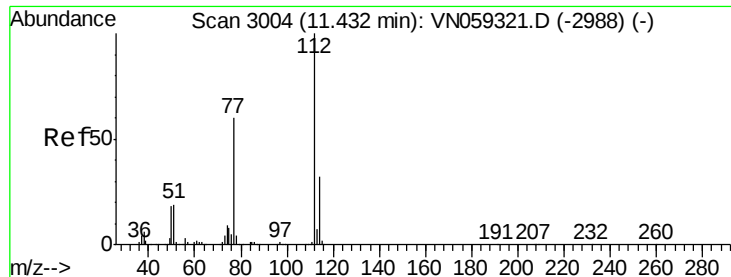
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 7.774 ug/l

RT: 11.54 min Scan# 3038

Delta R.T. 0.11 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

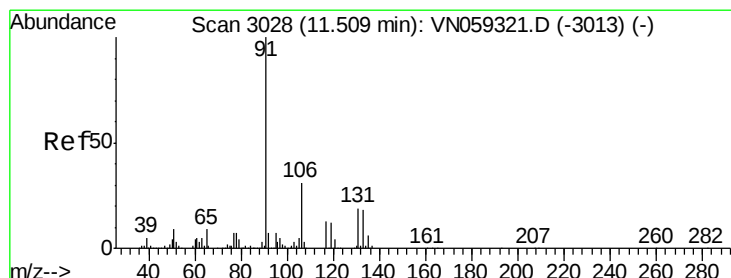
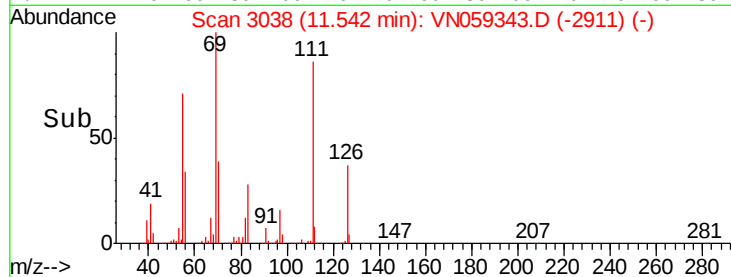
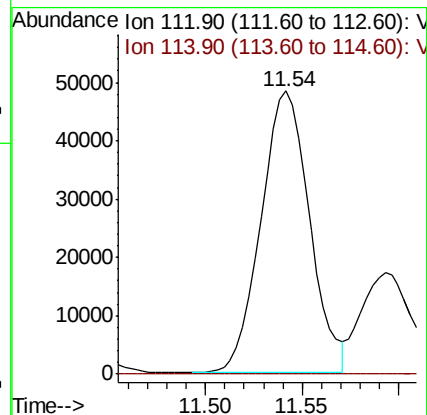
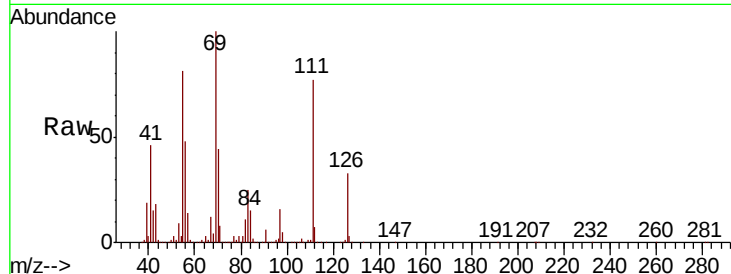
ClientSampled :

Tot Ion:112 Resp: 84320

Ion Ratio Lower Upper

112 100

114 0.0 25.8 38.6#



#67

Ethyl Benzene

Concen: 141.574 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059343.D

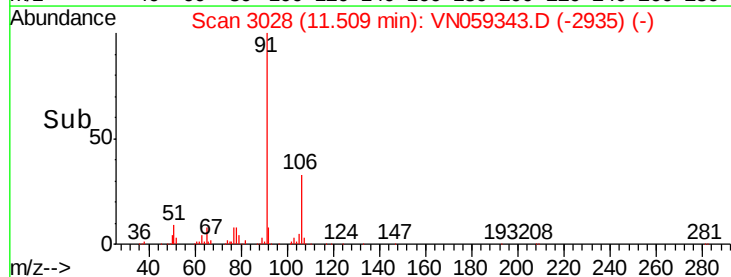
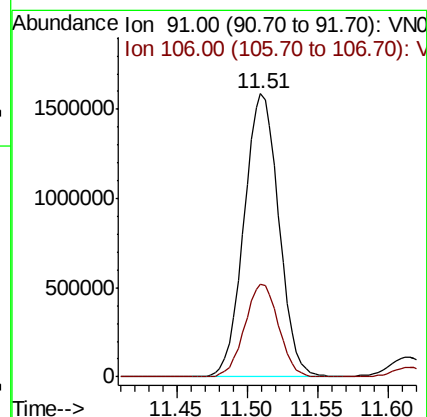
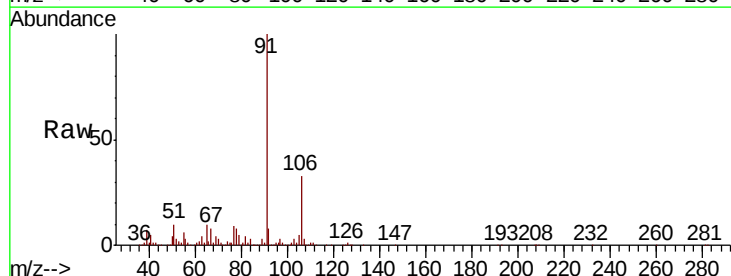
Acq: 21 Nov 2019 18:02

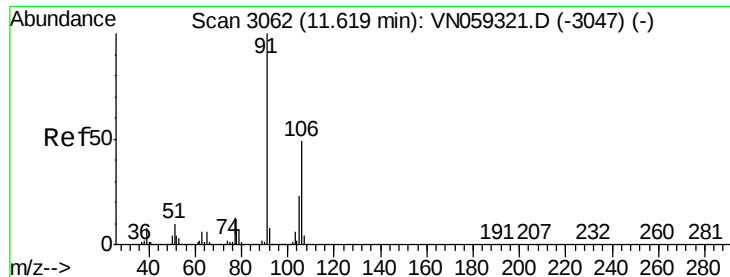
Tgt Ion: 91 Resp: 2741798

Ion Ratio Lower Upper

91 100

106 32.9 24.6 37.0

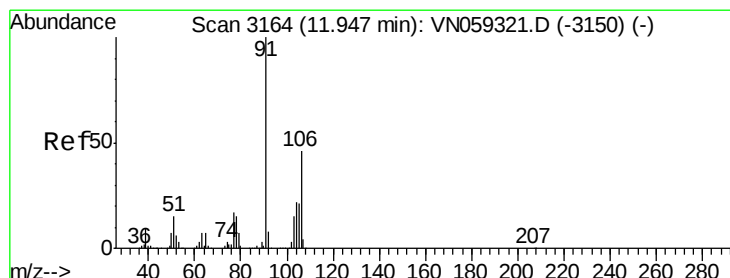
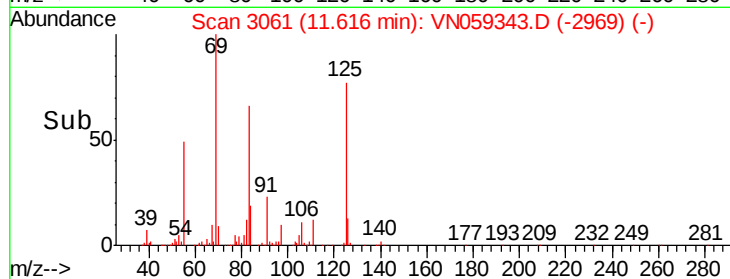
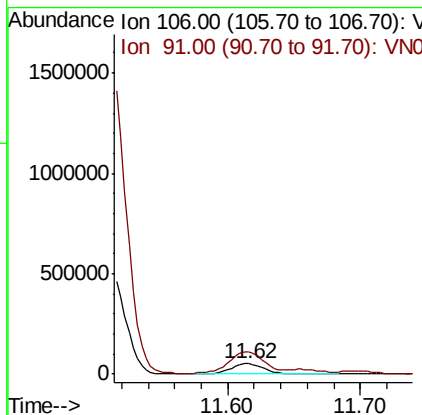
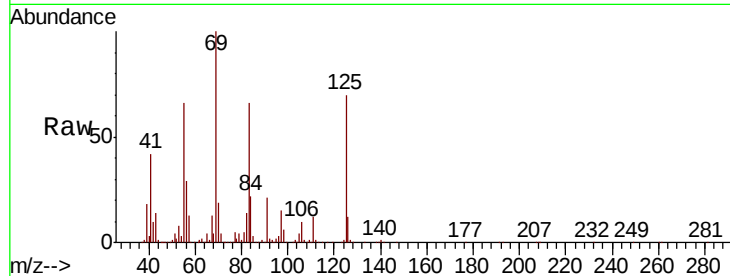




#68
m/p-Xylenes
Concen: 12.546 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059343.D
Acq: 21 Nov 2019 18:02

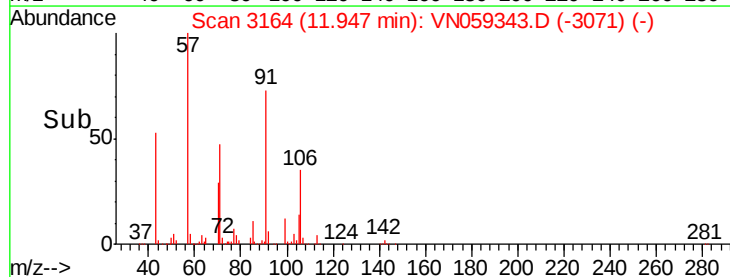
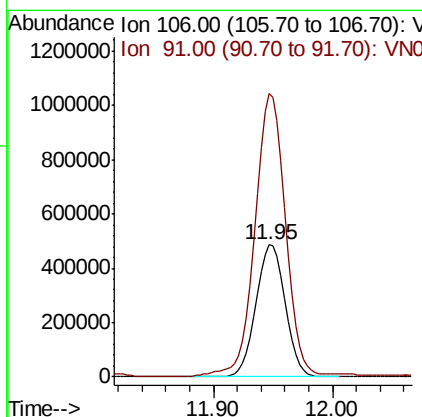
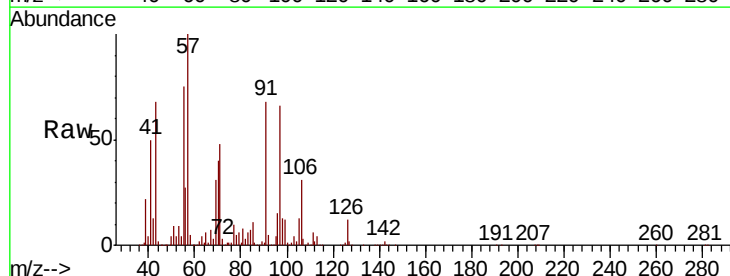
Instrument :
MSVOA_N
ClientSampled :

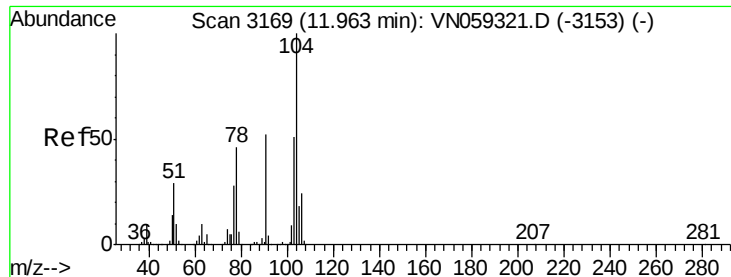
Tot Ion:106 Resp: 90285
Ion Ratio Lower Upper
106 100
91 222.9 163.2 244.8



#69
o-Xylene
Concen: 119.831 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059343.D
Acq: 21 Nov 2019 18:02

Tgt Ion:106 Resp: 825554
Ion Ratio Lower Upper
106 100
91 223.7 109.3 327.9





#70

Stvrene

Concen: 3.660 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.02 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

ClientSampled :

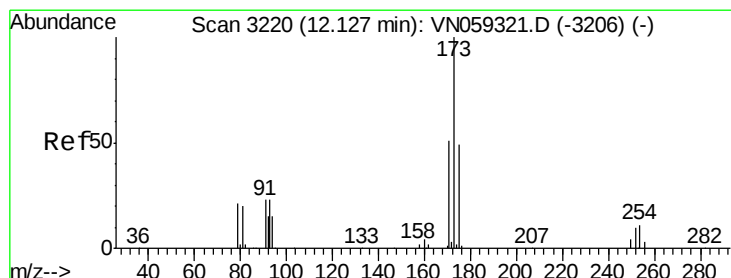
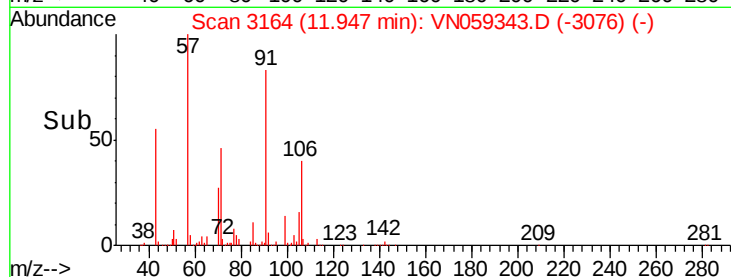
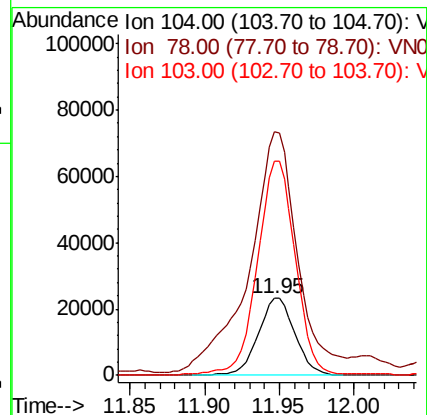
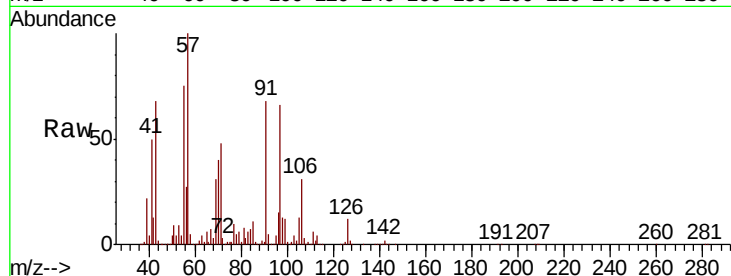
Tot Ion:104 Resp: 39791

Ion Ratio Lower Upper

104 100

78 406.8 40.3 60.5#

103 287.4 43.6 65.4#



#71

Bromoform

Concen: 0.234 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

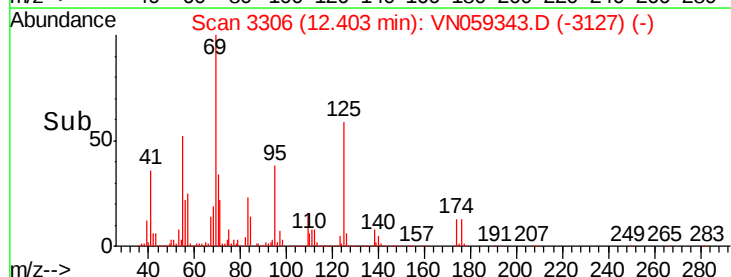
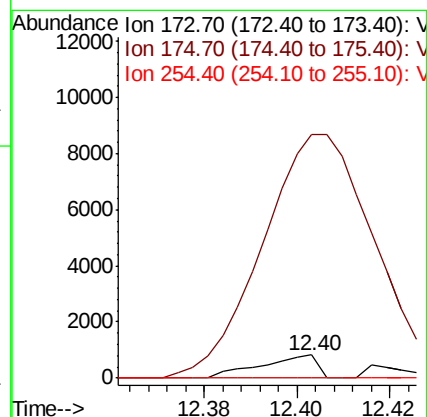
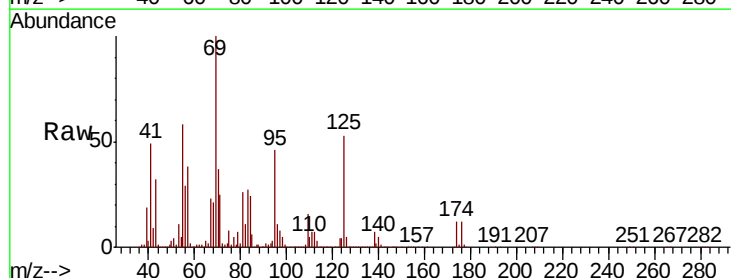
Tgt Ion:173 Resp: 698

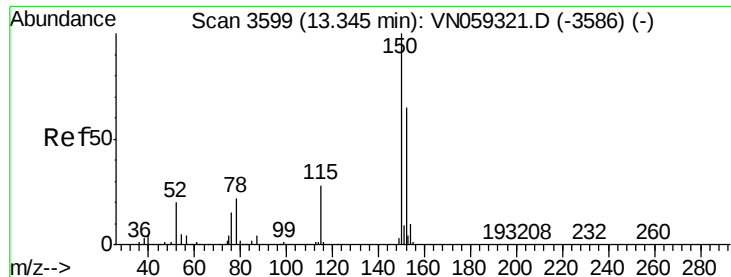
Ion Ratio Lower Upper

173 100

175 1689.4 24.6 73.6#

254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

ClientSampleId :

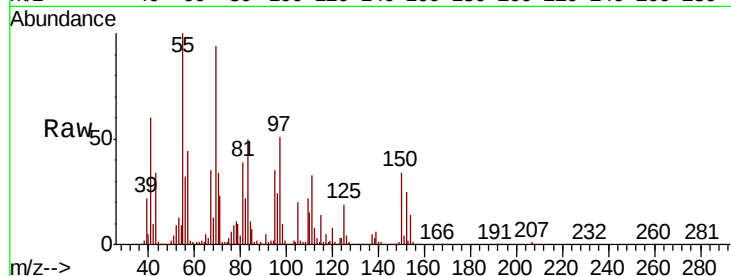
Tot Ion:152 Resp: 424754

Ion Ratio Lower Upper

152 100

115 0.0 29.3 88.0#

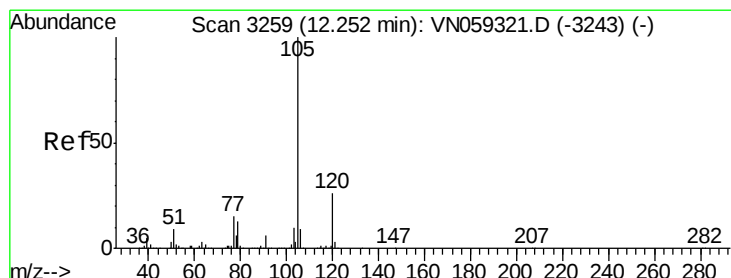
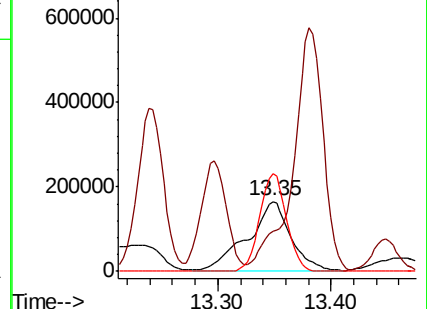
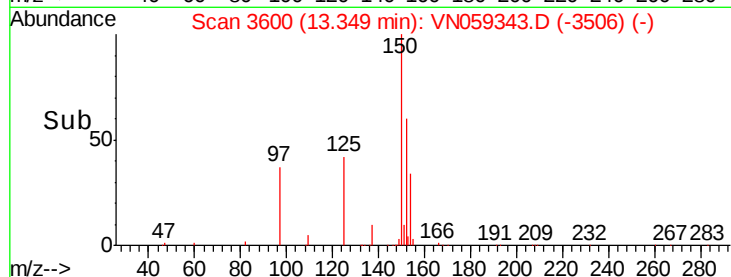
150 89.0 0.0 346.0



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: 95.204 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059343.D

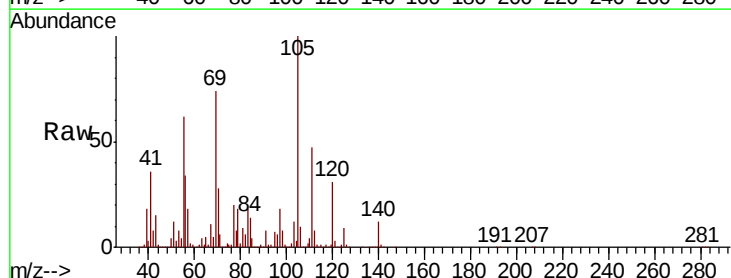
Acq: 21 Nov 2019 18:02

Tgt Ion:105 Resp: 3312639

Ion Ratio Lower Upper

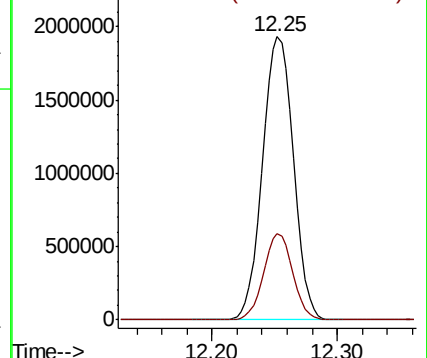
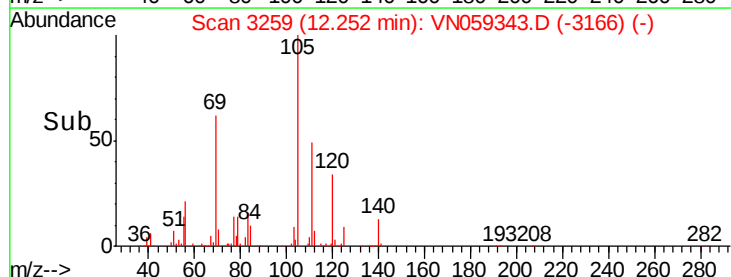
105 100

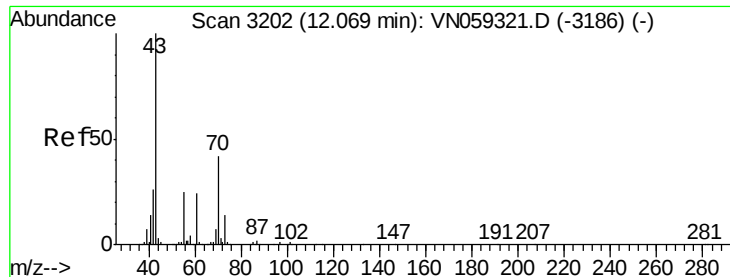
120 28.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

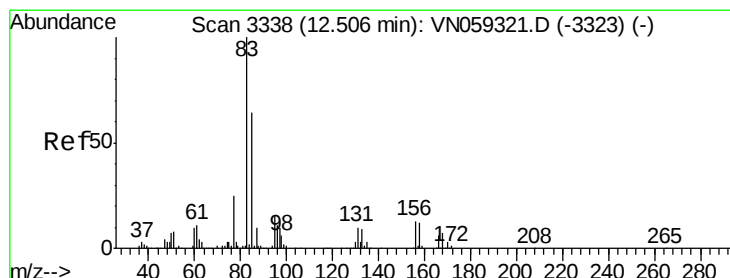
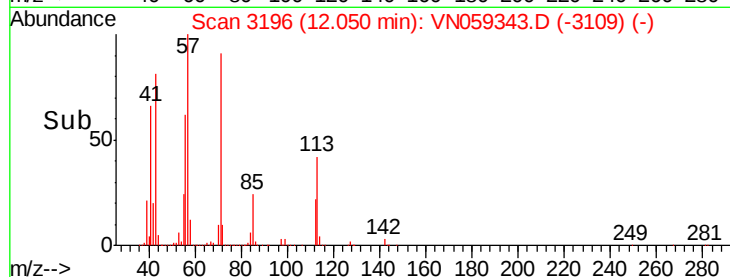
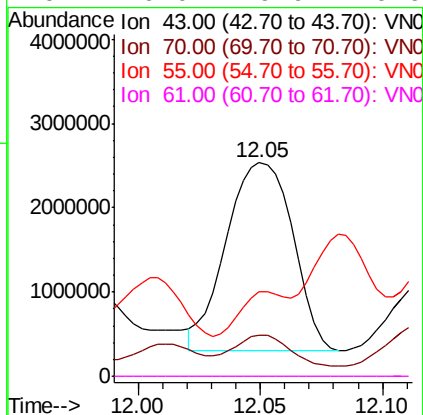
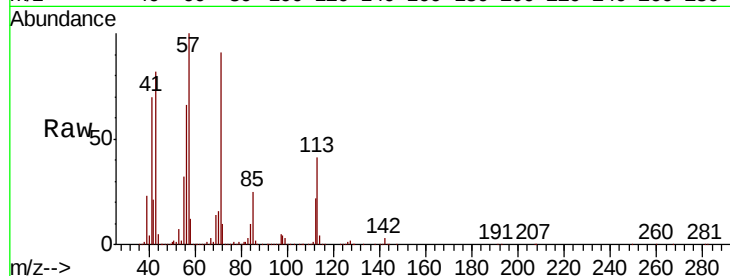




#74
N-amvl acetate
Concen: 304.219 ug/l
RT: 12.05 min Scan# 3196
Delta R.T. -0.02 min
Lab File: VN059343.D
Acq: 21 Nov 2019 18:02

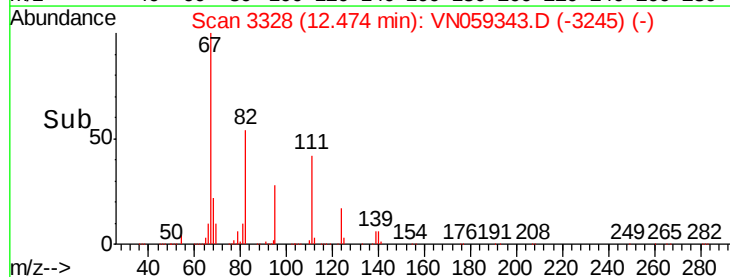
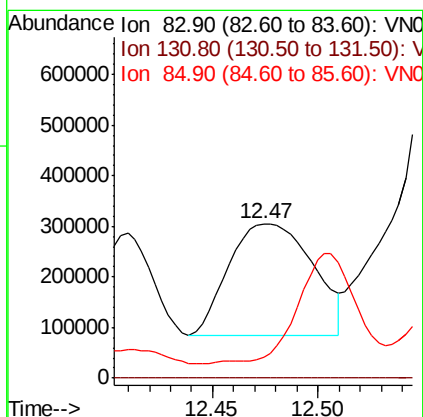
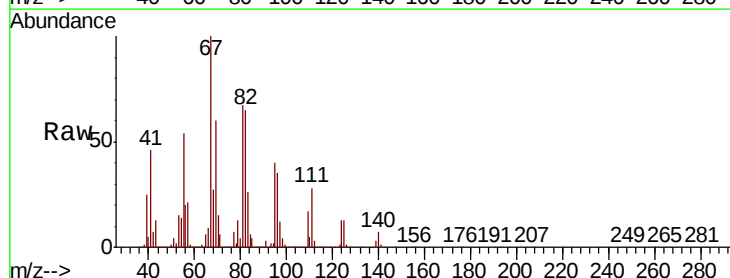
Instrument :
MSVOA_N
ClientSampleId :

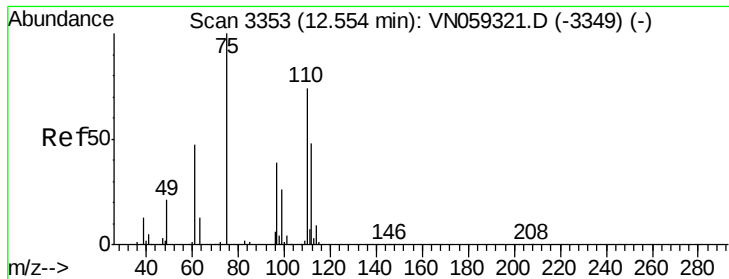
Tot Ion: 43 Resp: 4254141
Ion Ratio Lower Upper
43 100
70 13.3 33.8 50.6#
55 16.4 20.3 30.5#
61 0.0 19.9 29.9#



#75
1,1,2,2-Tetrachloroethane
Concen: 52.894 ug/l
RT: 12.47 min Scan# 3328
Delta R.T. -0.03 min
Lab File: VN059343.D
Acq: 21 Nov 2019 18:02

Tgt Ion: 83 Resp: 608819
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 0.0 32.1 96.3#





#76

1,2,3-Trichloropropane

Concen: 6.473 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.04 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

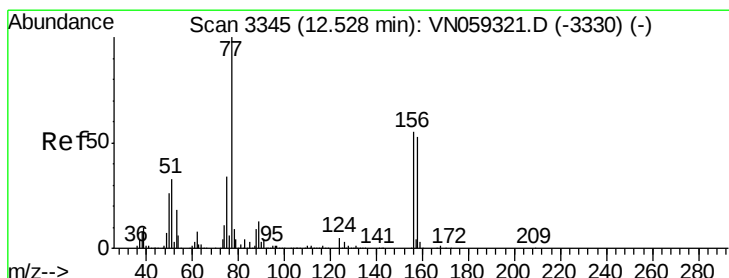
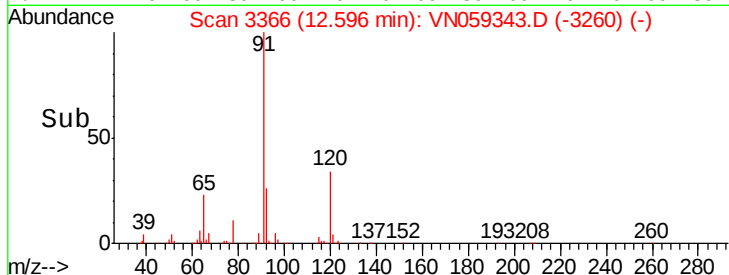
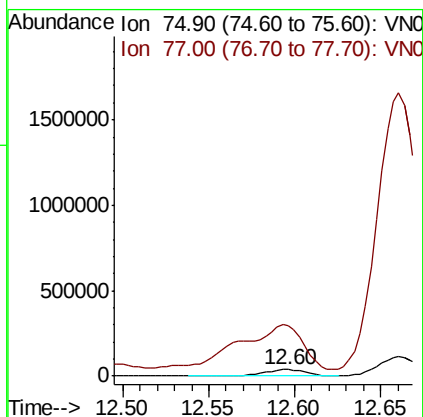
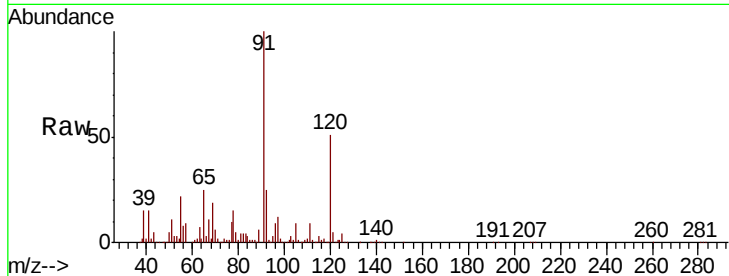
ClientSampleId :

Tot Ion: 75 Resp: 63523

Ion Ratio Lower Upper

75 100

77 1040.3 0.0 0.0#



#77

Bromobenzene

Concen: 0.814 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.03 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

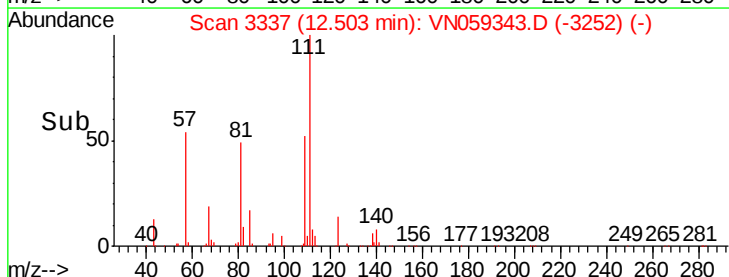
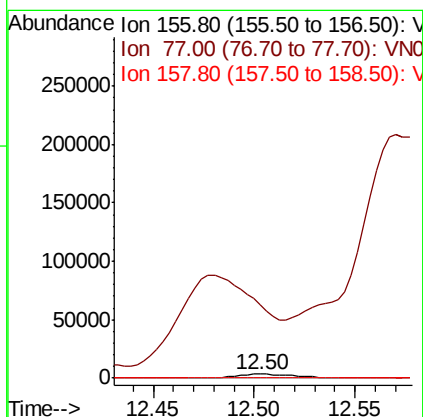
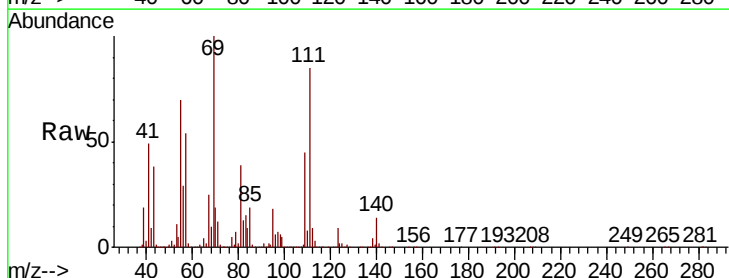
Tgt Ion: 156 Resp: 6868

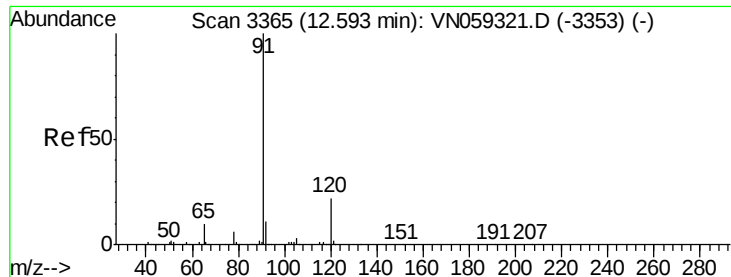
Ion Ratio Lower Upper

156 100

77 0.0 111.1 333.4#

158 0.0 47.8 143.4#





#78

n-propylbenzene

Concen: 160.872 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

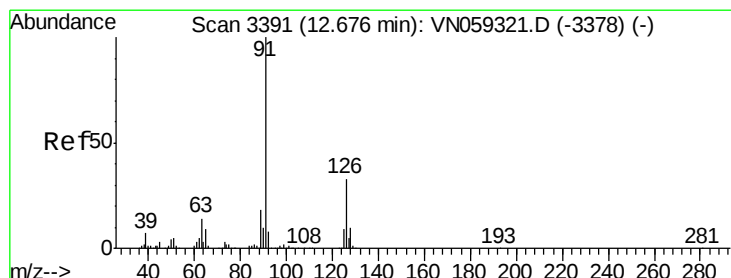
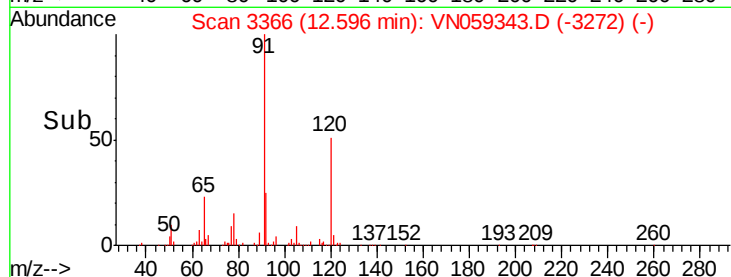
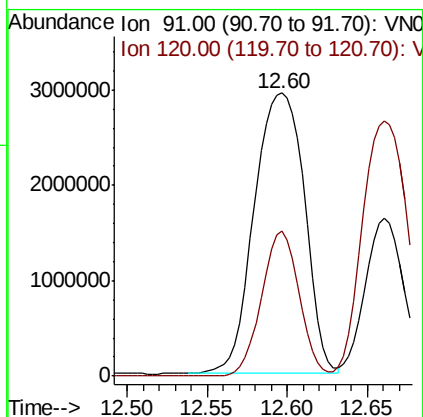
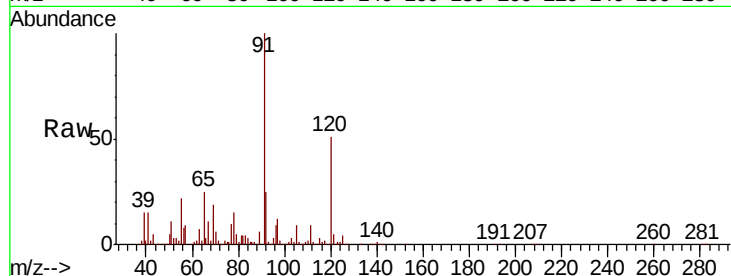
ClientSampled :

Tot Ion: 91 Resp: 6340637

Ion Ratio Lower Upper

91 100

120 39.0 11.3 33.9#



#79

2-Chlorotoluene

Concen: 111.285 ug/l

RT: 12.66 min Scan# 3386

Delta R.T. -0.02 min

Lab File: VN059343.D

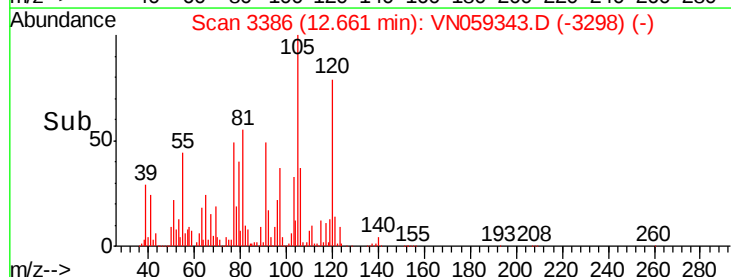
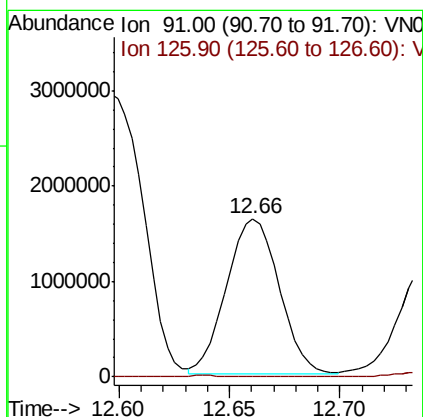
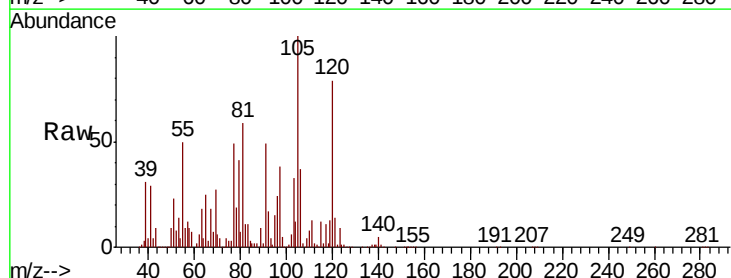
Acq: 21 Nov 2019 18:02

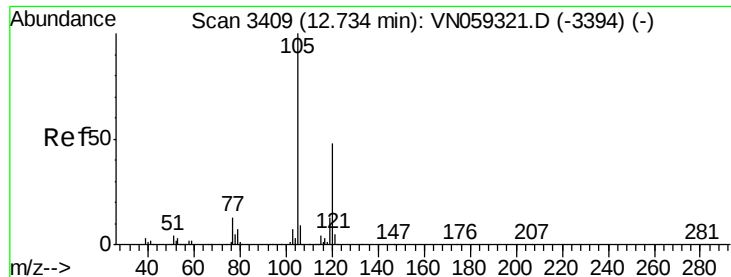
Tgt Ion: 91 Resp: 2692259

Ion Ratio Lower Upper

91 100

126 0.0 16.7 50.1#



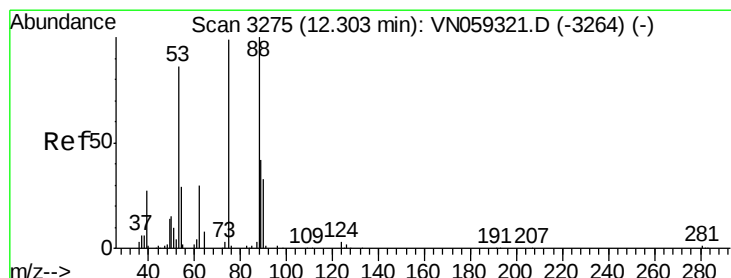
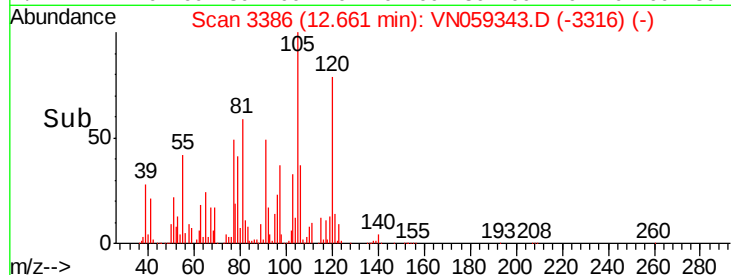
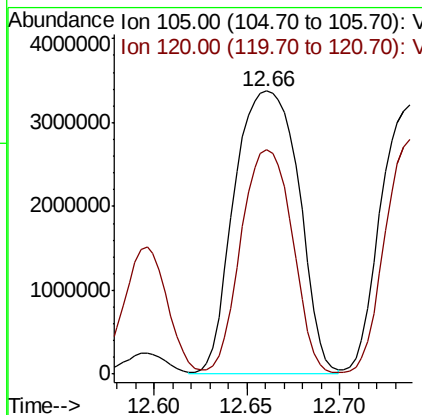
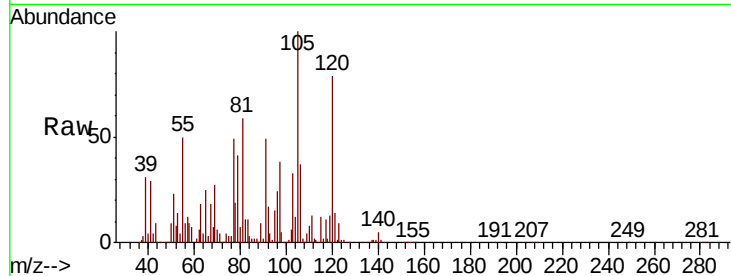


#80

1,3,5-Trimethylbenzene
Concen: 279.624 ug/l
RT: 12.66 min Scan# 3386
Delta R.T. -0.07 min
Lab File: VN059343.D
Acq: 21 Nov 2019 18:02

Instrument :
MSVOA_N
ClientSampled :

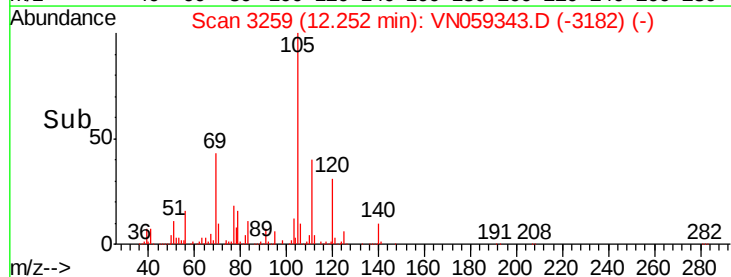
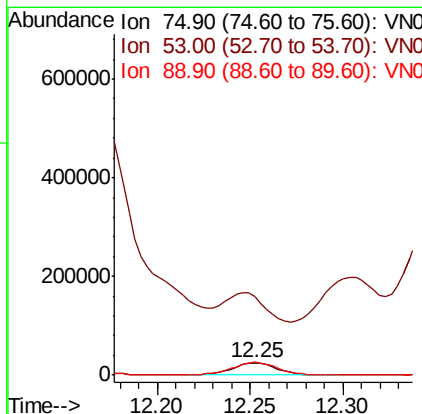
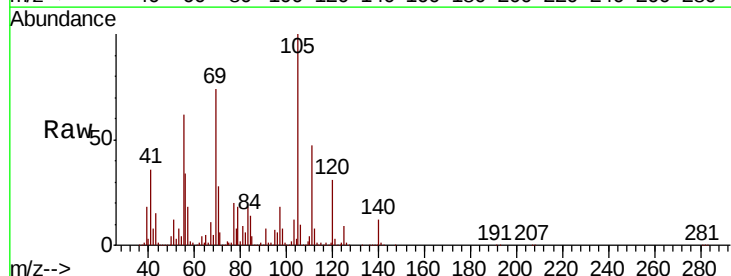
Tot Ion:105 Resp: 8178997
Ion Ratio Lower Upper
105 100
120 63.7 24.1 72.4

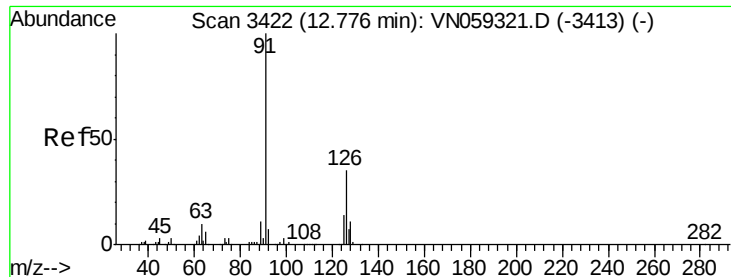


#81

trans-1,4-Dichloro-2-butene
Concen: 9.703 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.05 min
Lab File: VN059343.D
Acq: 21 Nov 2019 18:02

Tgt Ion: 75 Resp: 38068
Ion Ratio Lower Upper
75 100
53 0.0 70.7 106.1#
89 105.0 35.4 53.0#

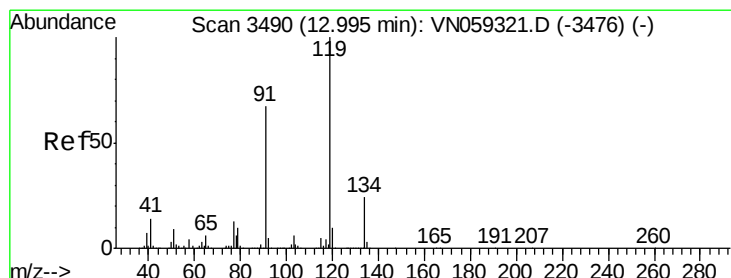
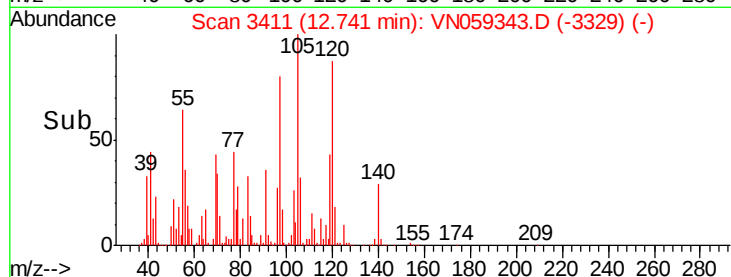
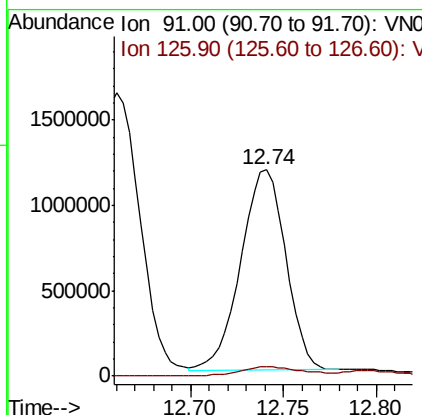
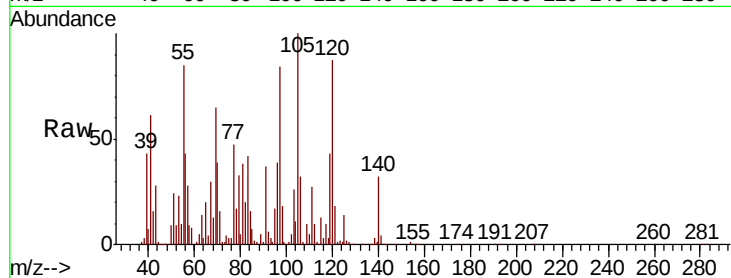




#82
4-Chlorotoluene
Concen: 79.287 ug/l
RT: 12.74 min Scan# 3411
Delta R.T. -0.04 min
Lab File: VN059343.D
Acq: 21 Nov 2019 18:02

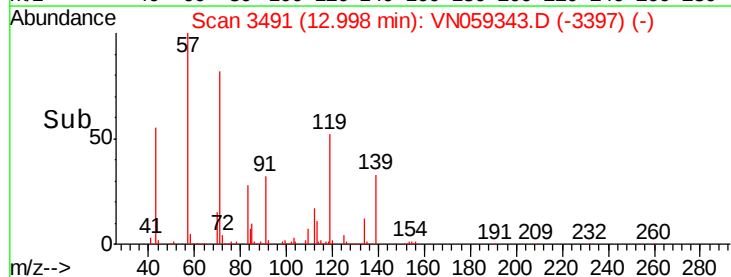
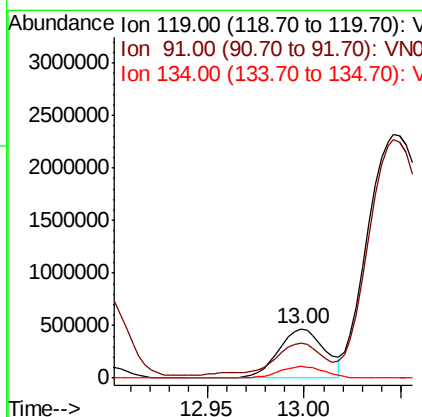
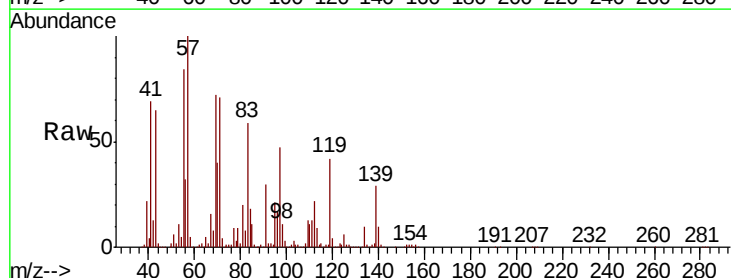
Instrument :
MSVOA_N
ClientSampled :

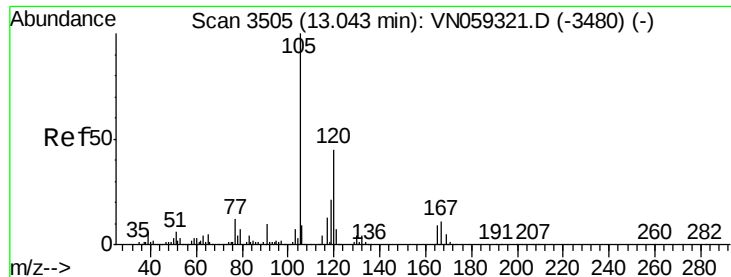
Tot Ion: 91 Resp: 1984936
Ion Ratio Lower Upper
91 100
126 6.1 16.2 48.6#



#83
tert-Butylbenzene
Concen: 31.364 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN059343.D
Acq: 21 Nov 2019 18:02

Tgt Ion: 119 Resp: 774806
Ion Ratio Lower Upper
119 100
91 68.6 32.8 98.4
134 23.7 13.0 38.9





#84

1,2,4-Trimethylbenzene

Concen: 225.410 ug/l

RT: 12.90 min Scan# 3459

Delta R.T. -0.15 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

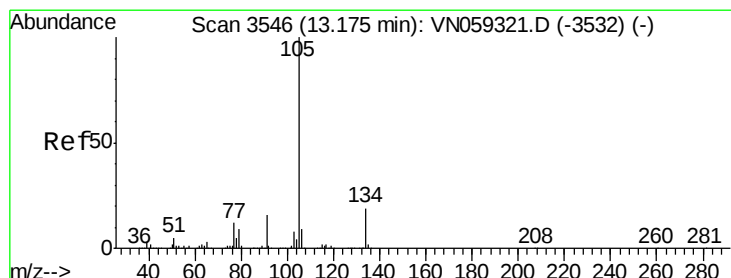
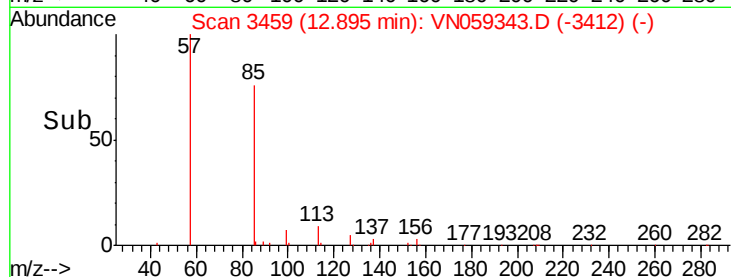
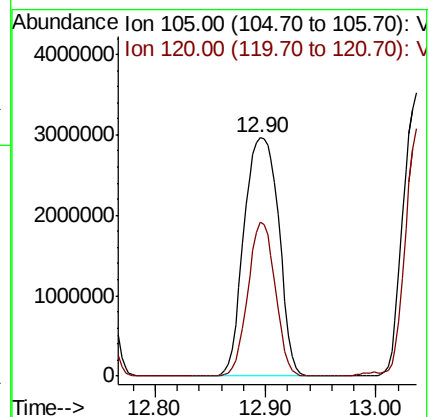
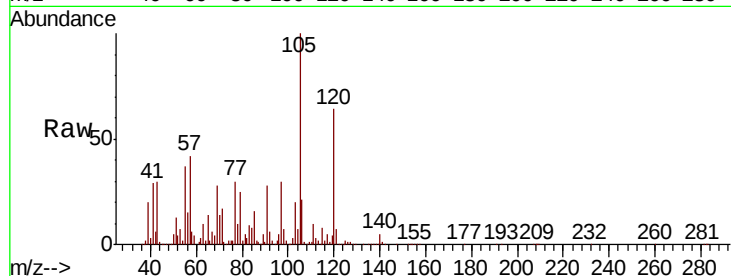
ClientSampled :

Tot Ion:105 Resp: 6458605

Ion Ratio Lower Upper

105 100

120 50.8 22.6 67.8



#85

sec-Butylbenzene

Concen: 141.577 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN059343.D

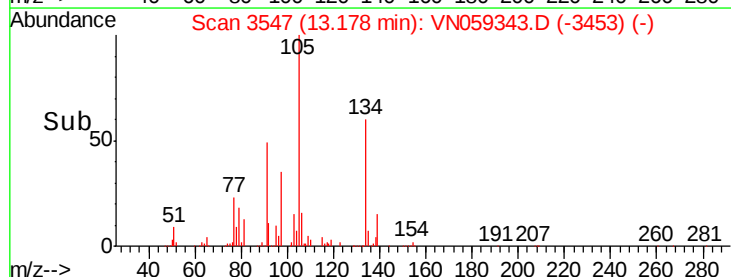
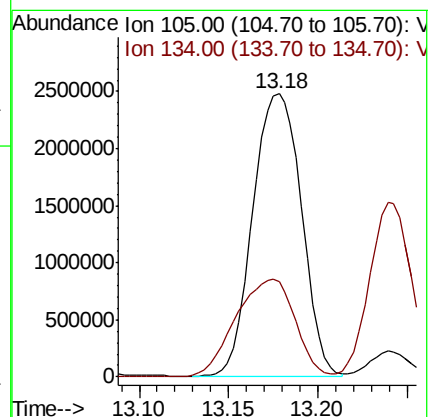
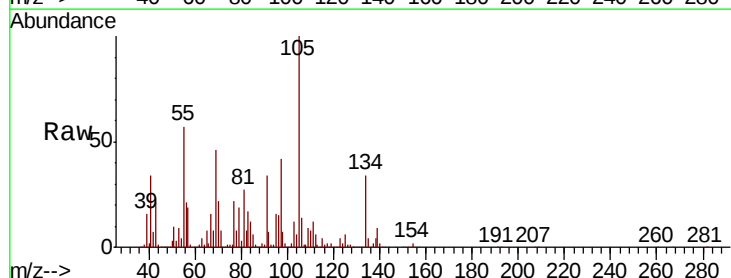
Acq: 21 Nov 2019 18:02

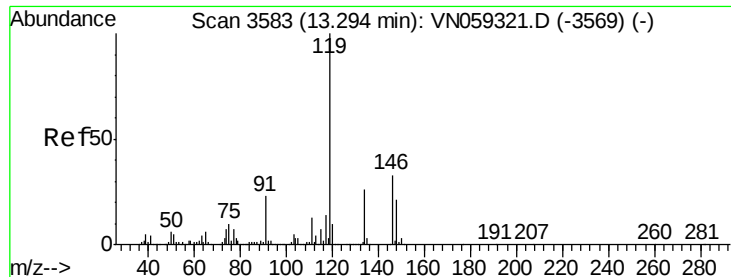
Tgt Ion:105 Resp: 4700772

Ion Ratio Lower Upper

105 100

134 42.4 9.8 29.3#

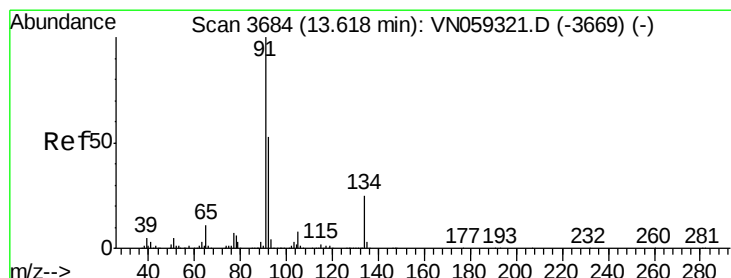
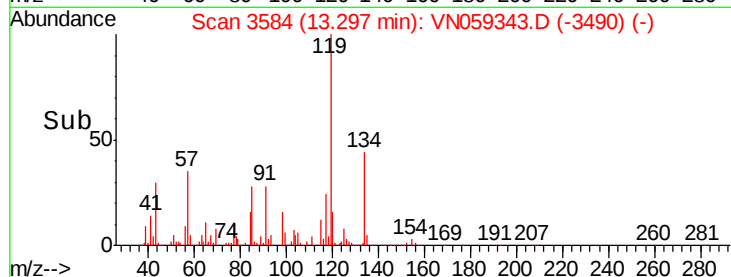
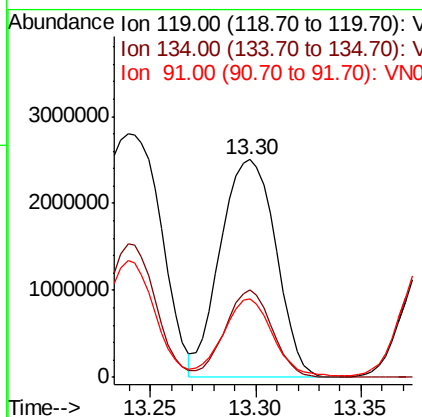
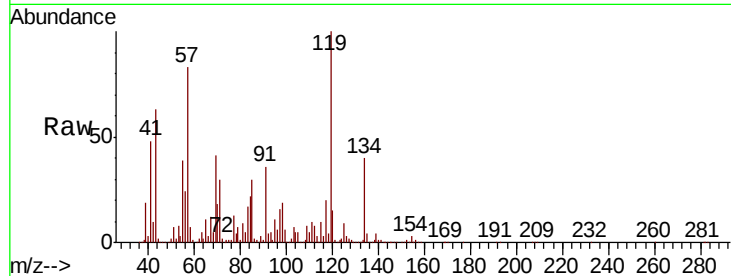




#86
 p-Isopropyltoluene
 Concen: 154.784 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN059343.D
 Acq: 21 Nov 2019 18:02

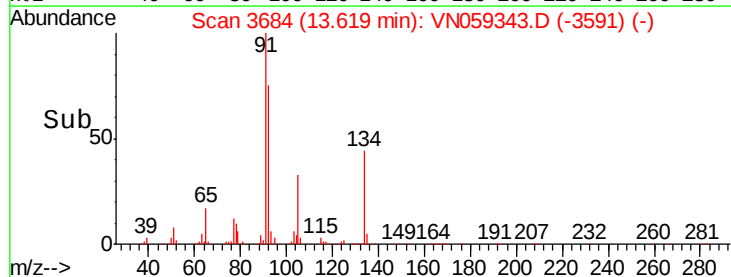
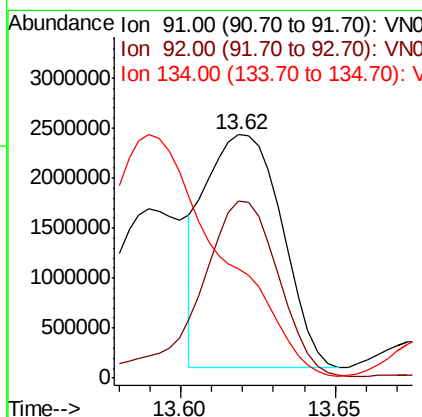
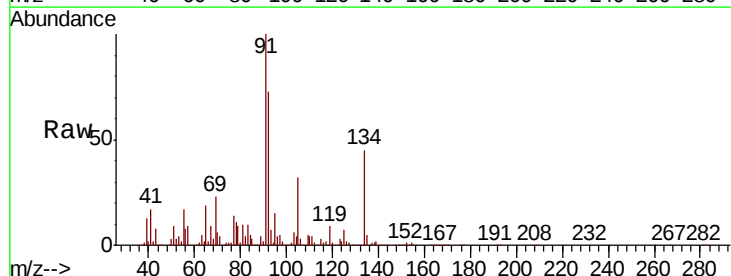
Instrument :
 MSVOA_N
 ClientSampled :

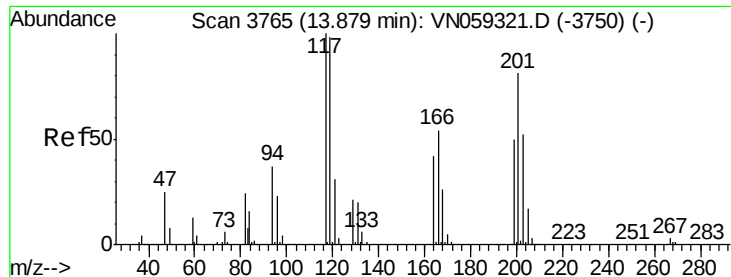
Tot Ion:119 Resp: 4573240
 Ion Ratio Lower Upper
 119 100
 134 33.7 13.0 38.9
 91 30.4 11.6 34.7



#89
 n-Butylbenzene
 Concen: 154.651 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN059343.D
 Acq: 21 Nov 2019 18:02

Tgt Ion: 91 Resp: 4008367
 Ion Ratio Lower Upper
 91 100
 92 77.8 26.0 78.0
 134 0.0 12.7 38.1#





#90

Hexachloroethane

Concen: 139.249 ug/l

RT: 13.90 min Scan# 3770

Delta R.T. 0.02 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

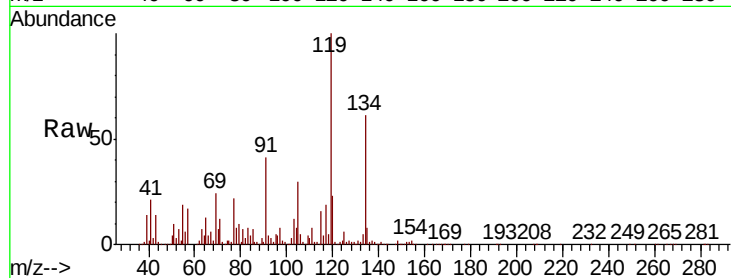
ClientSampled :

Tot Ion:117 Resp: 779175

Ion Ratio Lower Upper

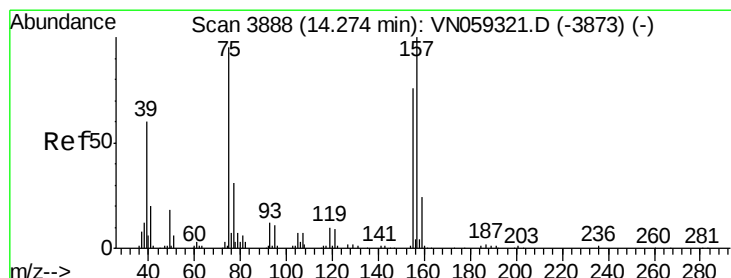
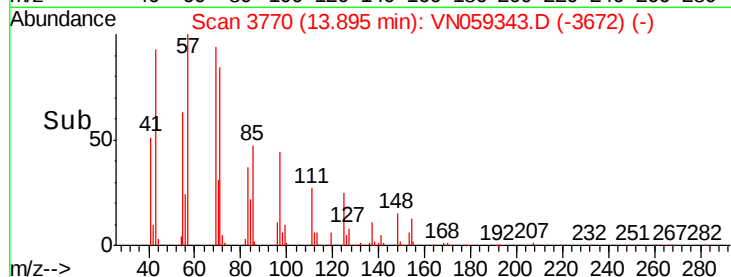
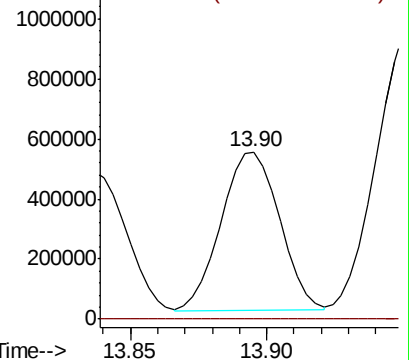
117 100

201 0.0 40.4 121.2#



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: 15.526 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

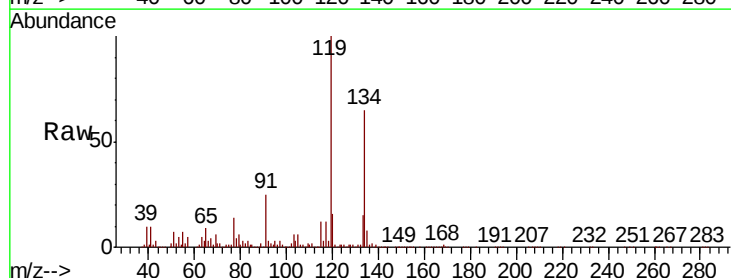
Tgt Ion: 75 Resp: 37993

Ion Ratio Lower Upper

75 100

155 0.0 40.5 121.5#

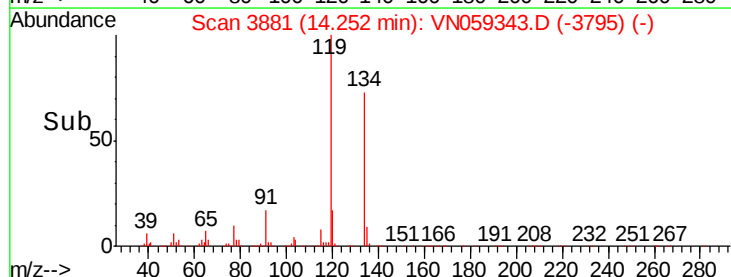
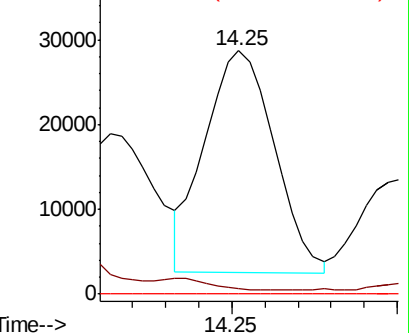
157 0.0 52.7 158.1#

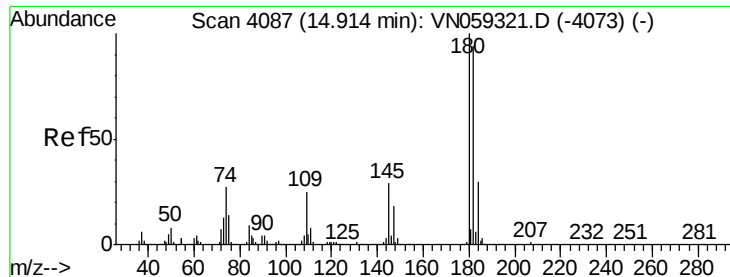


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 3.075 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

Instrument :

MSVOA_N

ClientSampleId :

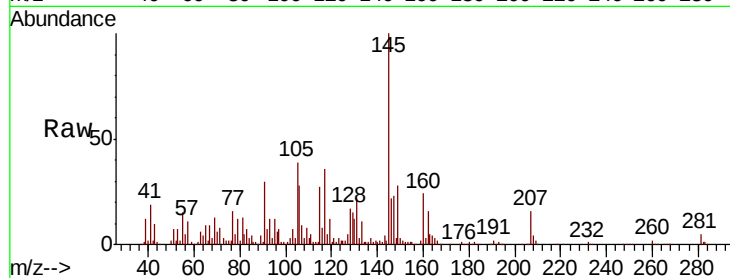
Tot Ion:180 Resp: 1313

Ion Ratio Lower Upper

180 100

182 149.7 47.2 141.6#

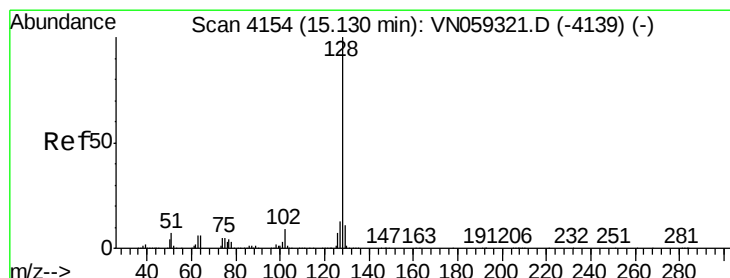
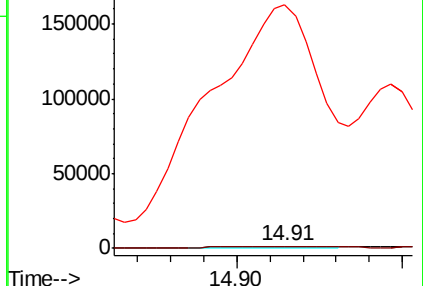
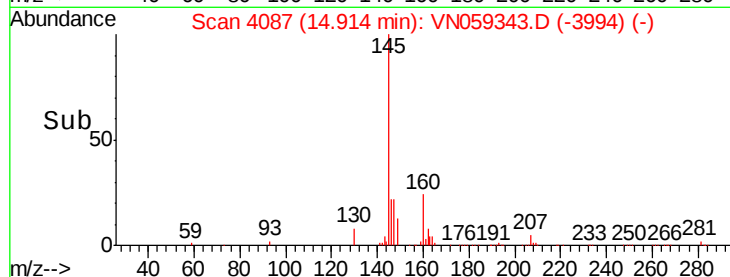
145 30850.4 14.9 44.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 85.599 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059343.D

Acq: 21 Nov 2019 18:02

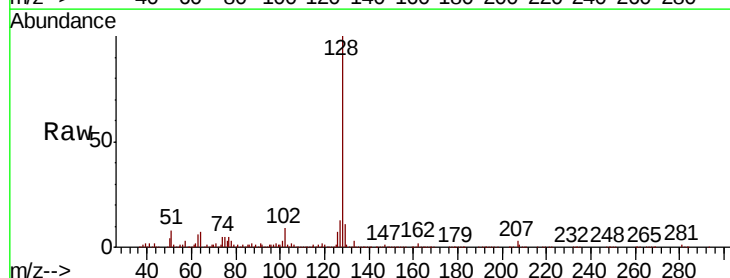
Tgt Ion:128 Resp: 2203951

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

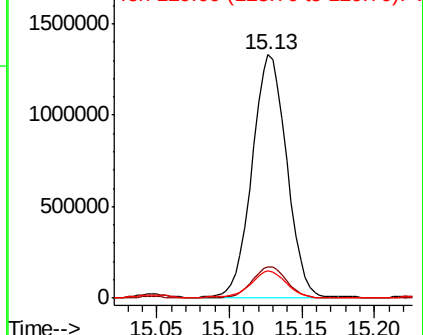
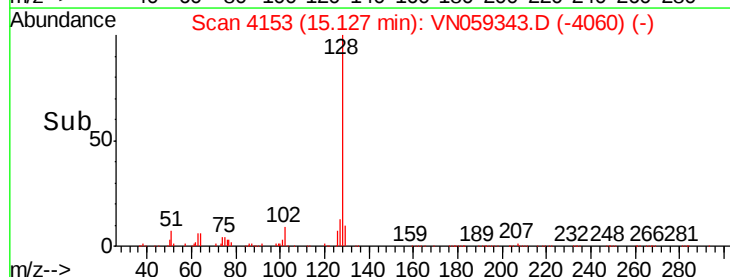
129 10.9 8.6 13.0

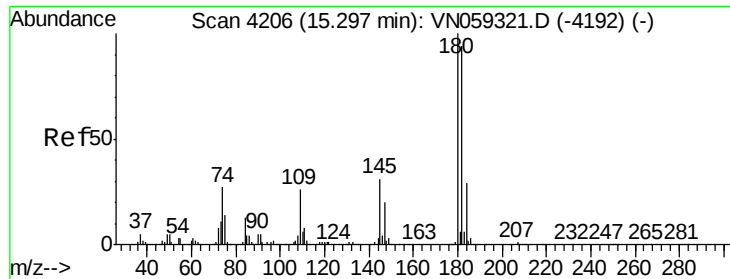


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

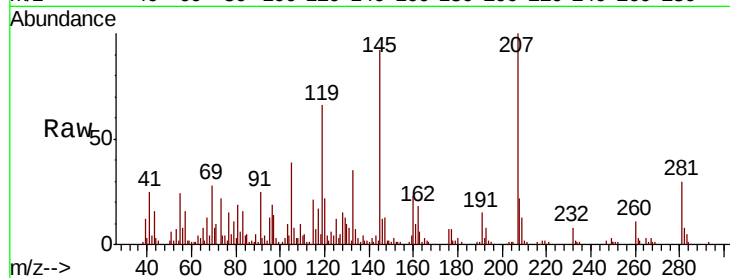




#96
 1,2,3-Trichlorobenzene
 Concen: 1.925 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.01 min
 Lab File: VN059343.D
 Acq: 21 Nov 2019 18:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	373.4	47.1	141.4#
145	0.0	15.6	46.8#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

