

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054803.D
 Acq On : 30 Mar 2019 15:32
 Operator : JC/SP
 Sample : K2181-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 30 22:40:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	543973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	862995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	729370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291912	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	349019	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
35) Dibromofluoromethane	7.59	113	276929	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	10.09	98	1043010	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.40	95	328766	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	392	Below Cal	#	2
11) Tert butyl alcohol	4.83	59	138056	361.349	ug/l #	86
13) Acrolein	3.60	56	310	0.908	ug/l #	14
16) Acetone	3.83	43	4767	2.726	ug/l #	85
18) Methyl Acetate	4.33	43	474	Below Cal	#	63
19) Methyl tert-butyl Ether	5.06	73	103208	6.900	ug/l #	60
20) Methylene Chloride	4.54	84	1902	0.308	ug/l #	90
22) Diisopropyl ether	5.96	45	4341	0.208	ug/l #	86
31) Cyclohexane	7.67	56	26767	0.608	ug/l #	63
36) 1,1-Dichloropropene	7.67	75	41333	5.140	ug/l #	42
38) Carbon Tetrachloride	7.67	117	51424	6.584	ug/l #	16
39) Methylcyclohexane	9.08	83	20141	2.278	ug/l	93
40) Benzene	8.04	78	111965	4.866	ug/l	97
43) Isopropyl Acetate	8.15	43	3857	0.403	ug/l #	60
48) Methyl methacrylate	9.22	41	2868	0.552	ug/l #	30
52) Toluene	10.16	92	3352	0.245	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	8030	1.577	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.70	63	88	10.384	ug/l #	44
67) Ethyl Benzene	11.51	91	13674	0.531	ug/l	91
68) m/p-Xylenes	11.62	106	4159	0.436	ug/l	74
73) Isopropylbenzene	12.25	105	166601	6.983	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.52	83	101	Below Cal	#	29
76) 1,2,3-Trichloropropane	12.40	75	168882	33.302	ug/l #	100
78) n-propylbenzene	12.59	91	215390	8.213	ug/l	95
79) 2-Chlorotoluene	12.59	91	215390	13.276	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.69	105	8365	0.427	ug/l	74
81) trans-1,4-Dichloro-2-buten	12.40	75	168882	129.537	ug/l #	11
82) 4-Chlorotoluene	12.59	91	215390	13.668	ug/l #	39
83) tert-Butylbenzene	12.99	119	4847	Below Cal		84
84) 1,2,4-Trimethylbenzene	12.89	105	29404	1.576	ug/l	78
85) sec-Butylbenzene	13.17	105	106765	5.020	ug/l #	71
86) p-Isopropyltoluene	13.44	119	29363	1.565	ug/l	99
89) n-Butylbenzene	13.62	91	62567	4.088	ug/l #	73
90) Hexachloroethane	13.89	117	29395	9.230	ug/l #	2

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

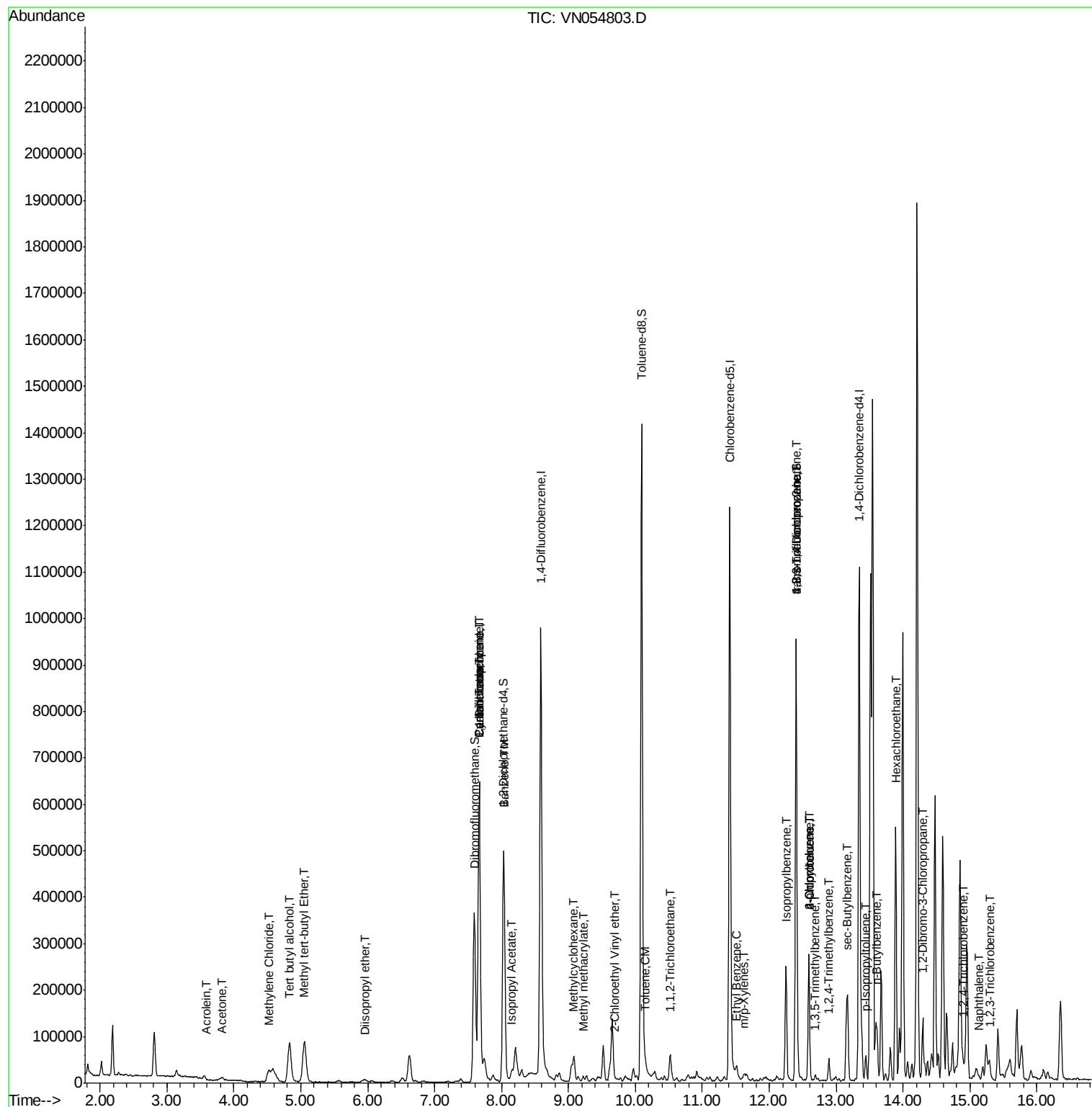
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.29	75	716	0.878	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	996	0.212	ug/l #	1
94) Hexachlorobutadiene	15.00	225	185	Below Cal	#	19
95) Naphthalene	15.14	128	5509	0.524	ug/l	95
96) 1,2,3-Trichlorobenzene	15.32	180	1154	0.244	ug/l #	66

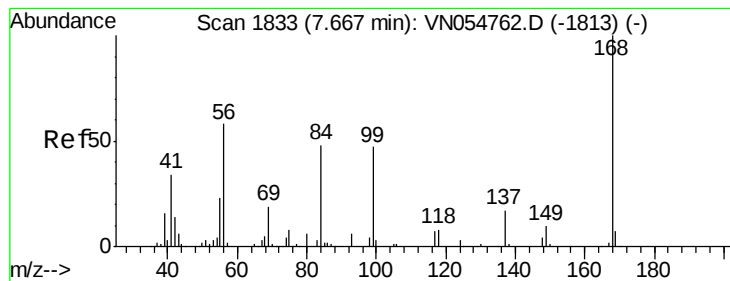
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN033019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

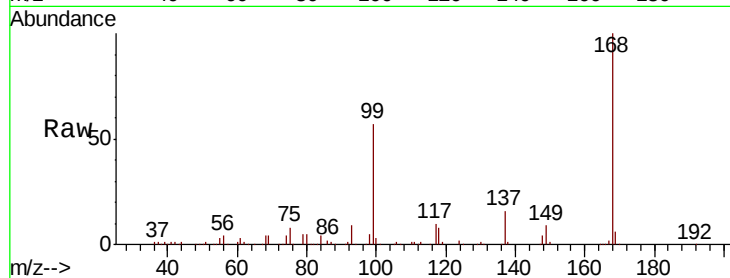
ClientSampled :

Tot Ion:168 Resp: 543973

Ion Ratio Lower Upper

168 100

99 57.0 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): VN054762.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054762.D (-1813) (-)

7.67

250000

200000

150000

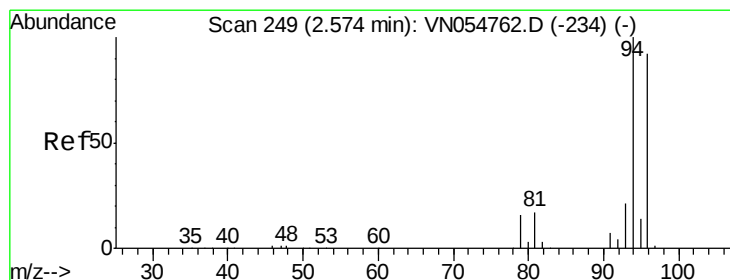
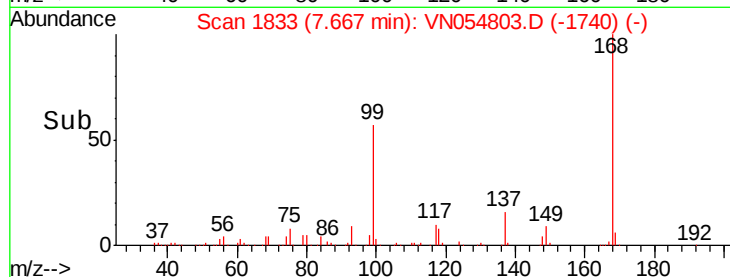
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054803.D

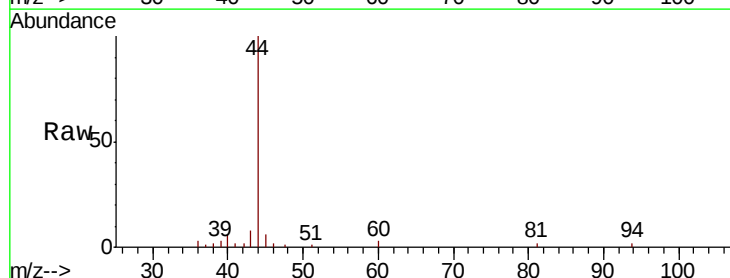
Acq: 30 Mar 2019 15:32

Tgt Ion: 94 Resp: 392

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN054762.D (-234) (-)

Ion 95.90 (95.60 to 96.60): VN054762.D (-234) (-)

2.57

300

250

200

150

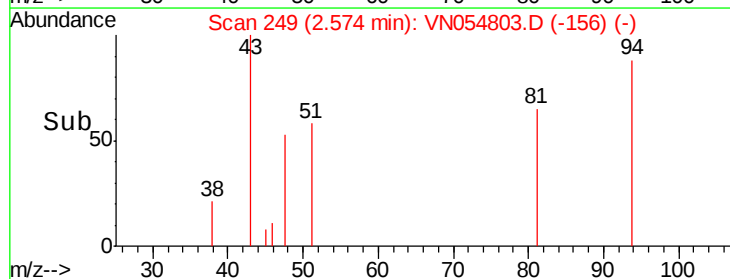
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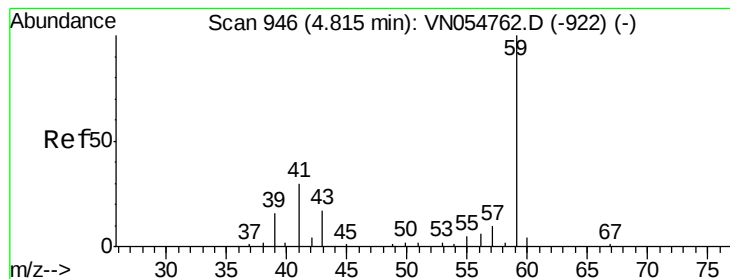
50

0

2.54 2.56 2.58 2.60

Time-->



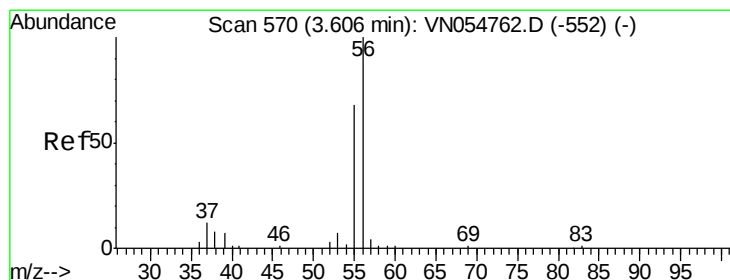
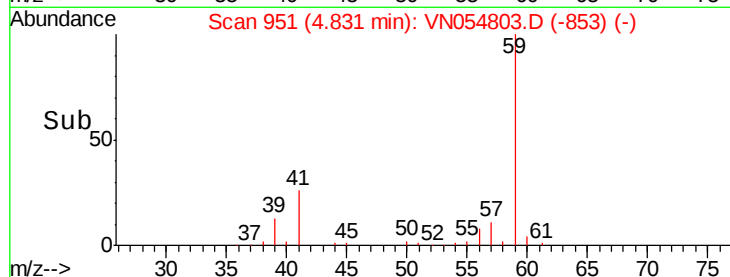
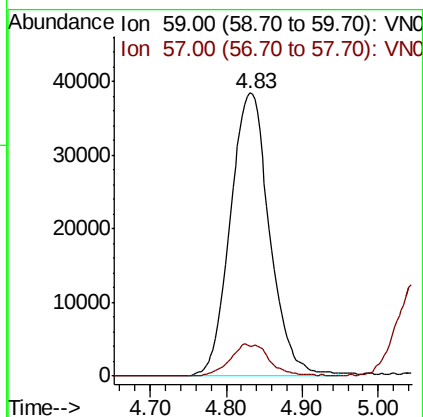
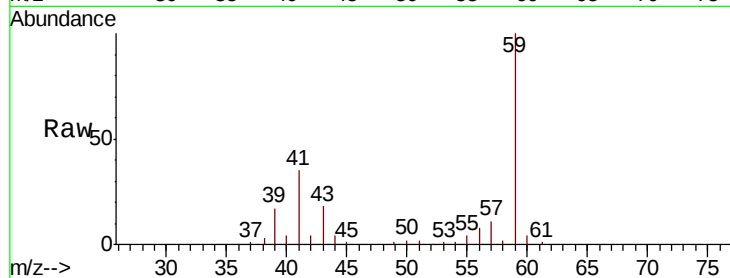


#11

Tert butyl alcohol
 Concen: 361.349 ug/l
 RT: 4.83 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: VN054803.D
 Acq: 30 Mar 2019 15:32

Instrument :
 MSVOA_N
 ClientSampled :

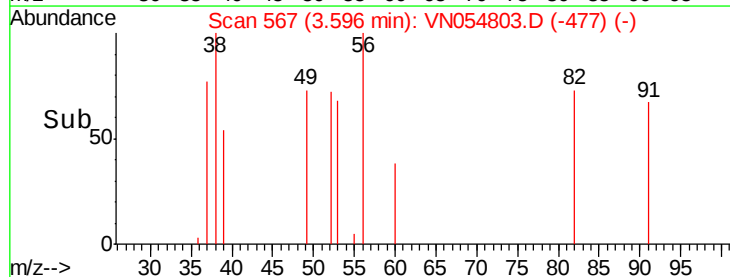
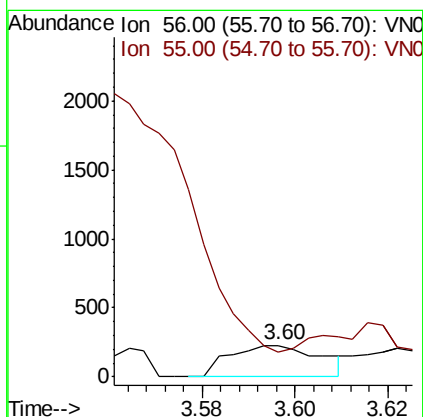
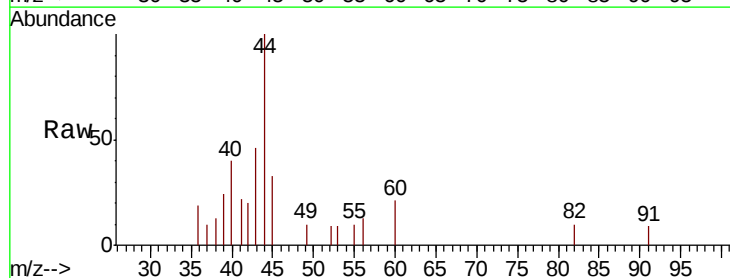
Tot Ion: 59 Resp: 138056
 Ion Ratio Lower Upper
 59 100
 57 5.9 9.0 13.6#

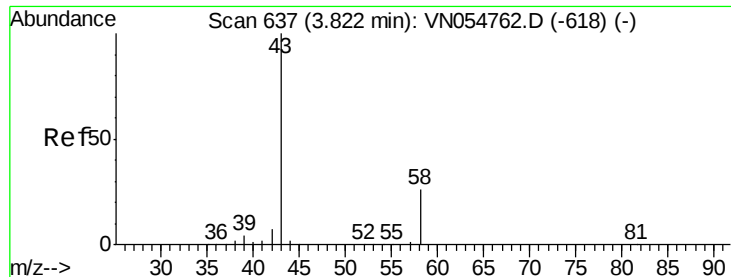


#13

Acrolein
 Concen: 0.908 ug/l
 RT: 3.60 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VN054803.D
 Acq: 30 Mar 2019 15:32

Tgt Ion: 56 Resp: 310
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.7 85.1#

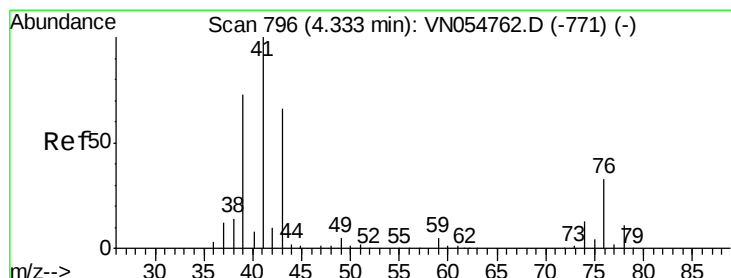
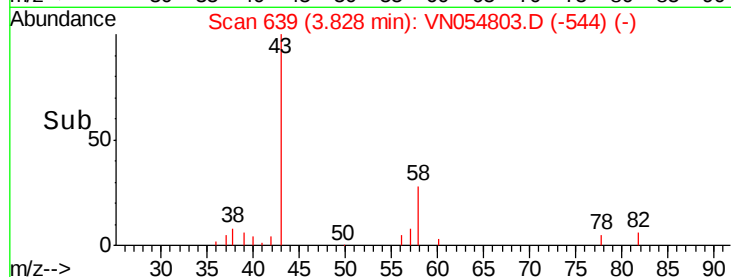
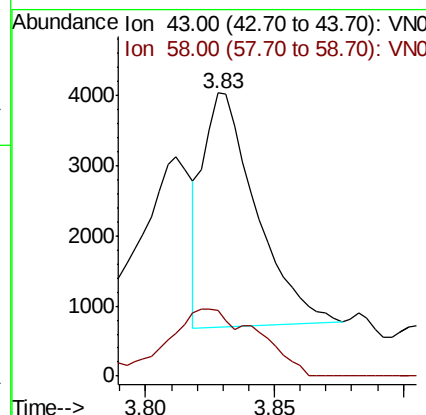
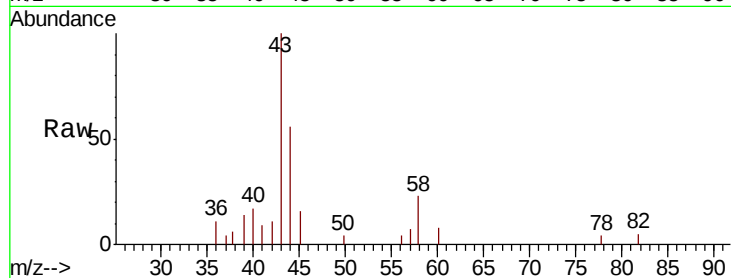




#16
Acetone
Concen: 2.726 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

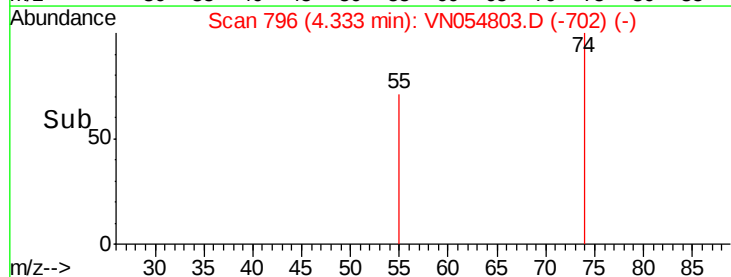
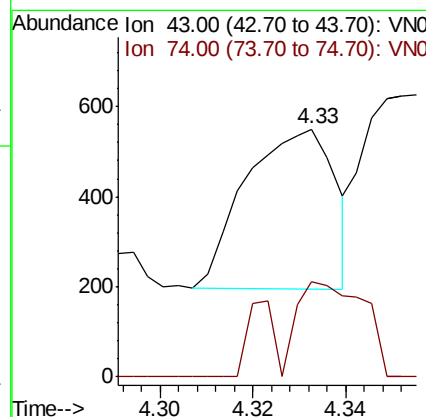
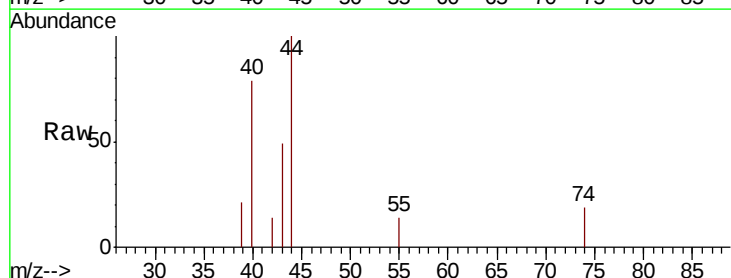
Instrument :
MSVOA_N
ClientSampled :

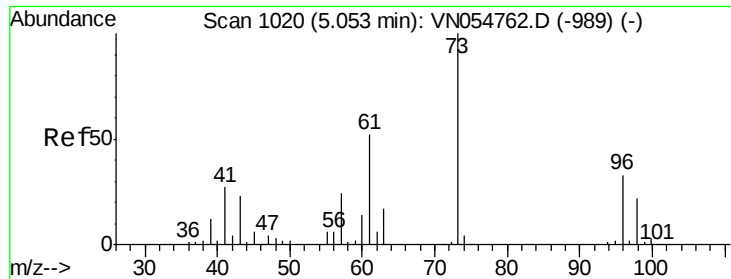
Tot Ion: 43 Resp: 4767
Ion Ratio Lower Upper
43 100
58 28.5 29.9 44.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Tgt Ion: 43 Resp: 474
Ion Ratio Lower Upper
43 100
74 44.7 20.8 31.2#

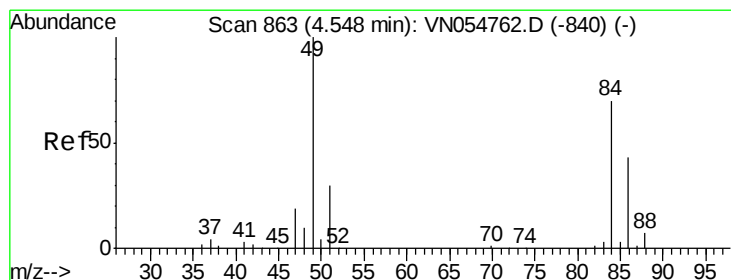
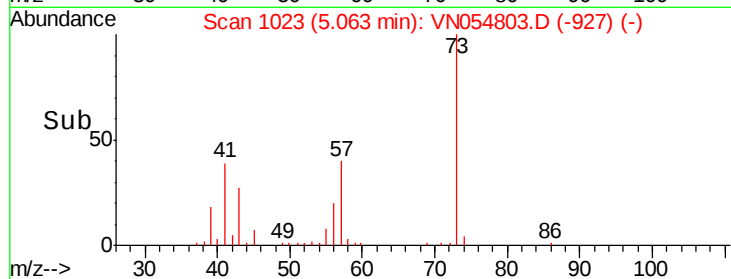
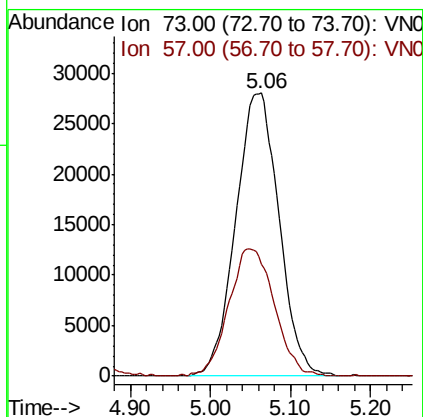
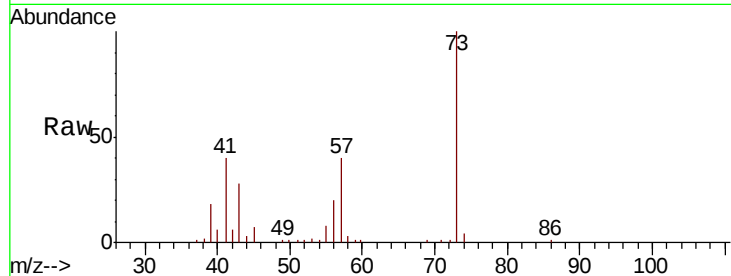




#19
Methvl tert-butvl Ether
Concen: 6.900 ug/l
RT: 5.06 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

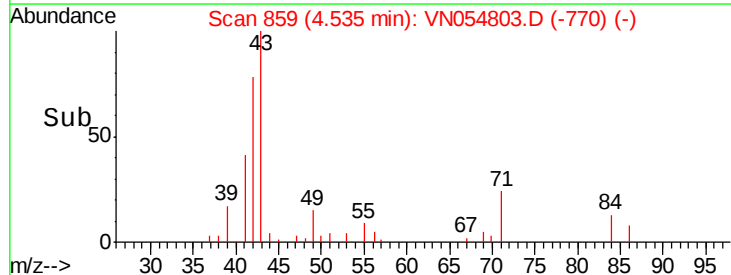
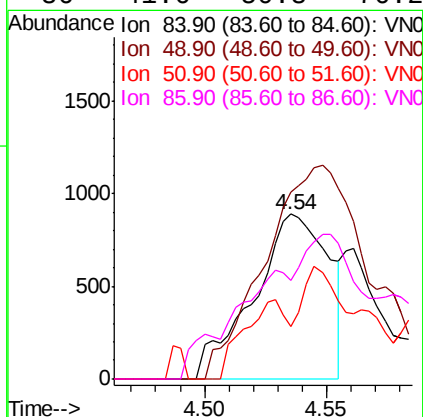
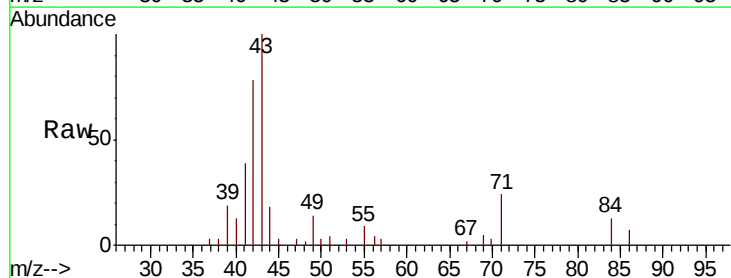
Instrument :
MSVOA_N
ClientSampled :

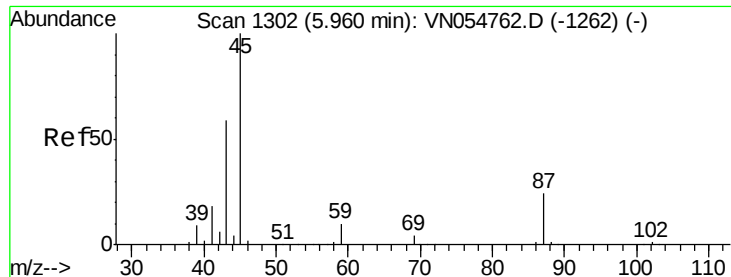
Tot Ion: 73 Resp: 103208
Ion Ratio Lower Upper
73 100
57 39.7 16.8 25.2#



#20
Methylene Chloride
Concen: 0.308 ug/l
RT: 4.54 min Scan# 859
Delta R.T. -0.01 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Tgt Ion: 84 Resp: 1902
Ion Ratio Lower Upper
84 100
49 113.6 89.7 134.5
51 32.1 28.2 42.4
86 41.6 50.8 76.2#

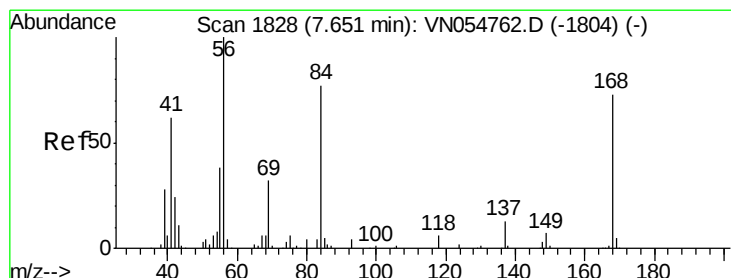
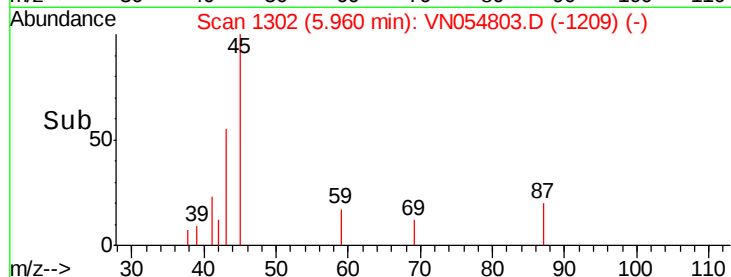
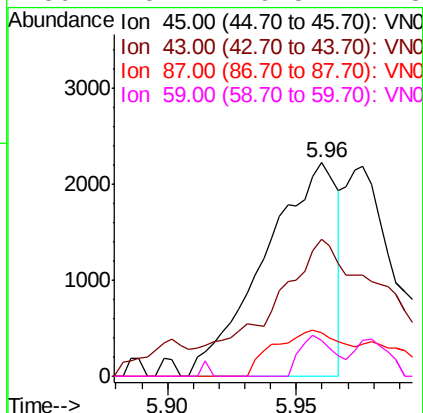
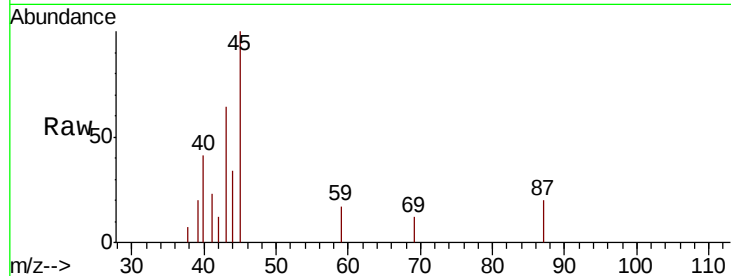




#22
Diisopropyl ether
Concen: 0.208 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

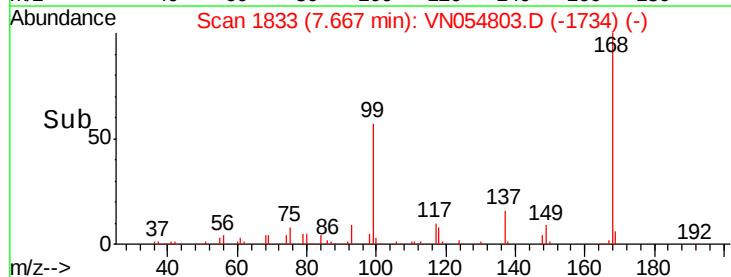
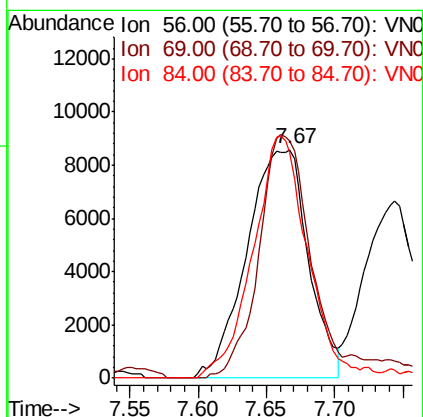
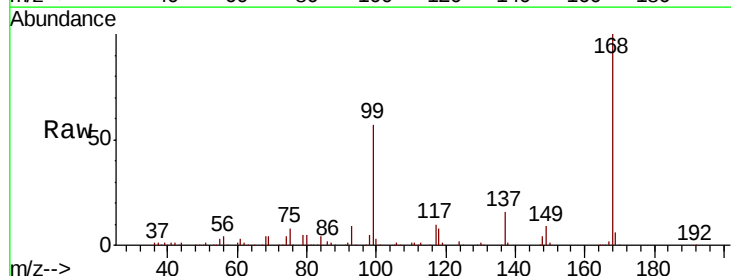
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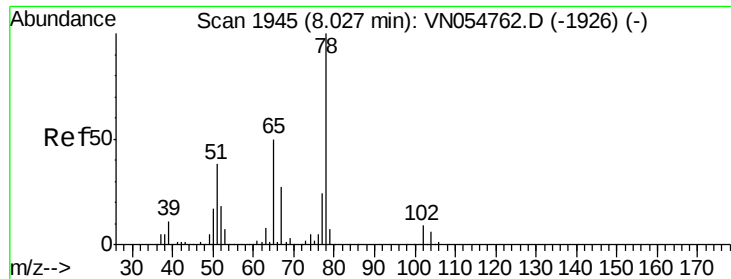
Tot Ion: 45 Resp: 4341
Ion Ratio Lower Upper
45 100
43 51.8 48.2 72.2
87 20.1 24.9 37.3#
59 16.7 9.5 14.3#



#31
Cyclohexane
Concen: 0.608 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Tgt Ion: 56 Resp: 26767
Ion Ratio Lower Upper
56 100
69 104.1 27.8 41.6#
84 98.6 74.6 111.8

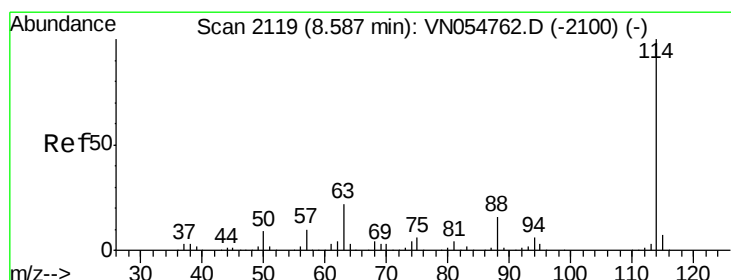
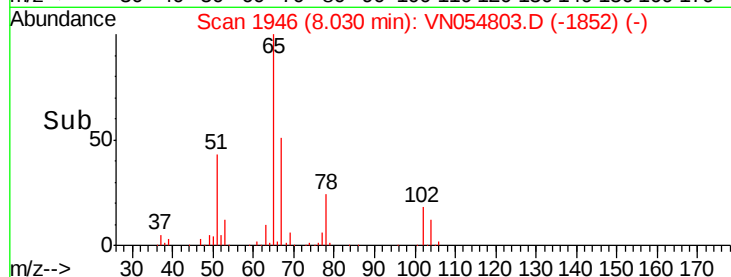
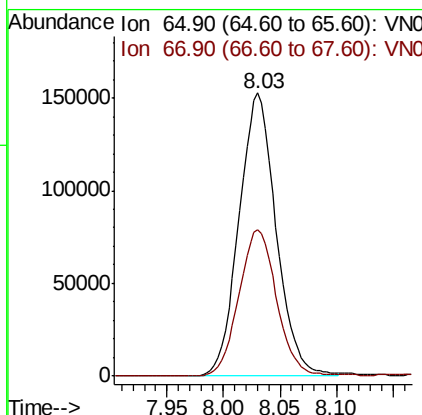
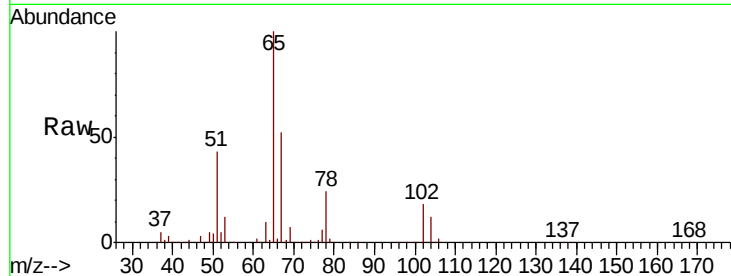




#33
 1,2-Dichloroethane-d4
 Concen: 47.596 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054803.D
 Acq: 30 Mar 2019 15:32

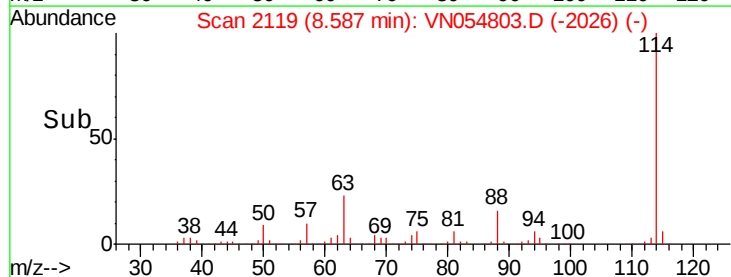
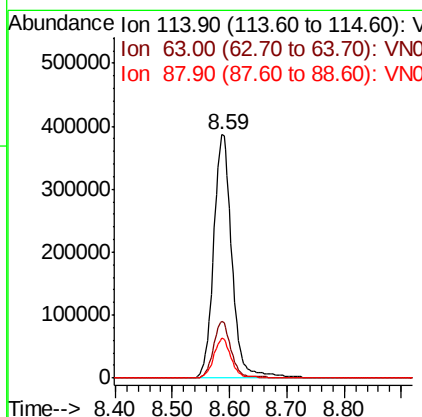
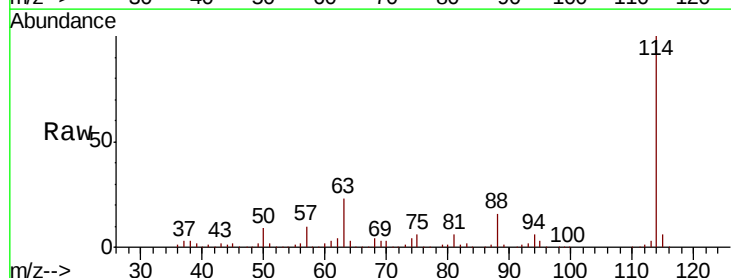
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 ClientSampleId :

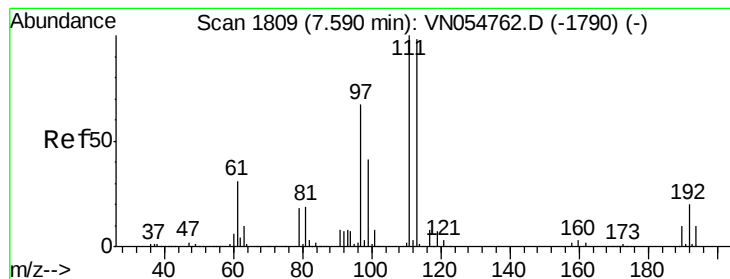
Tot Ion: 65 Resp: 349019
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054803.D
 Acq: 30 Mar 2019 15:32

Tgt Ion: 114 Resp: 862995
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 35.2
 88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.132 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

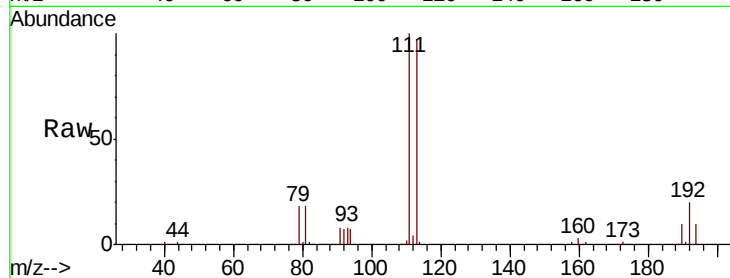
Tot Ion:113 Resp: 276929

Ion Ratio Lower Upper

113 100

111 100.9 82.2 123.4

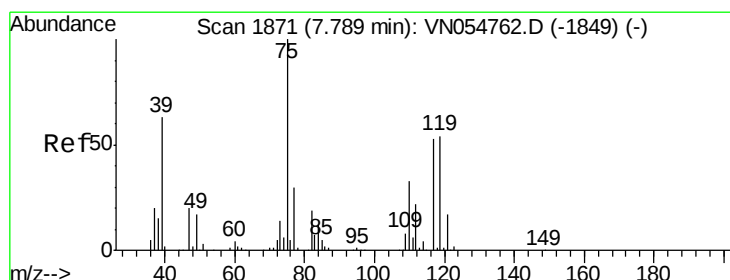
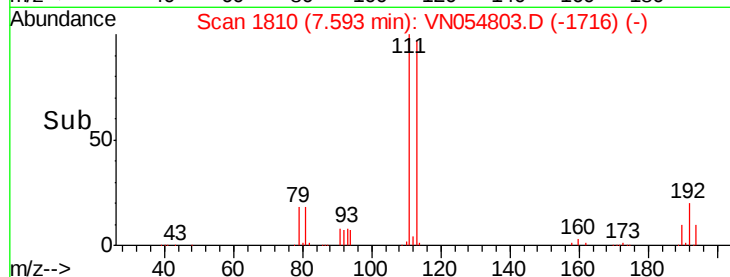
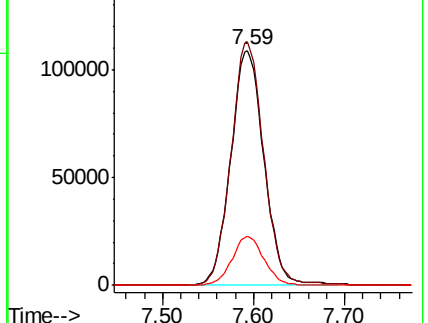
192 20.1 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.140 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

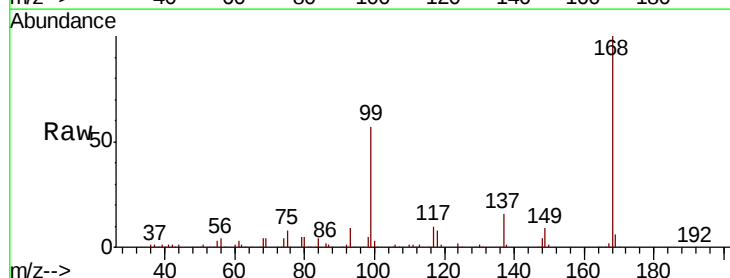
Tgt Ion: 75 Resp: 41333

Ion Ratio Lower Upper

75 100

110 2.1 19.1 57.5#

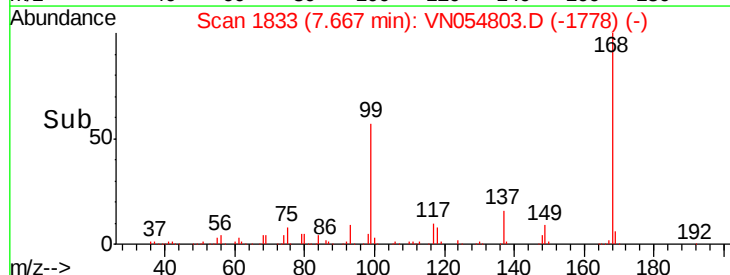
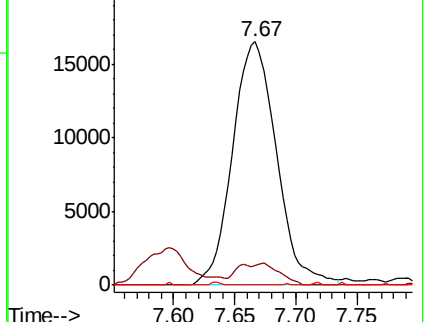
77 0.0 25.0 37.4#

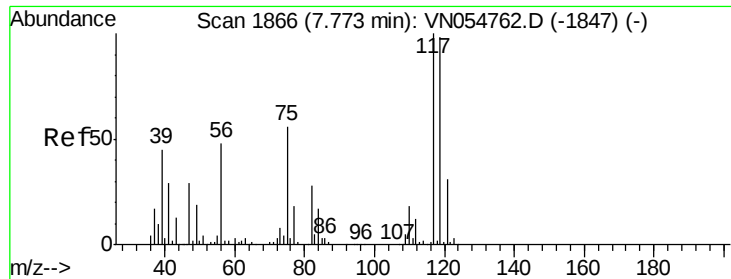


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.584 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

ClientSampled :

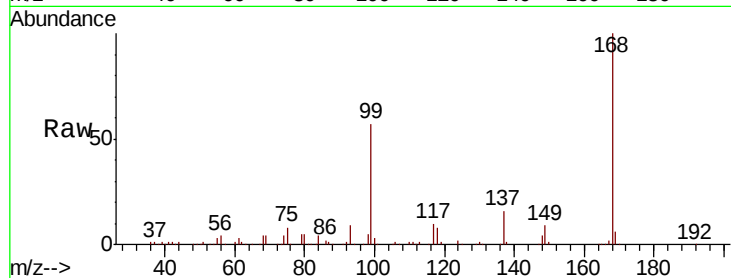
Tot Ion:117 Resp: 51424

Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

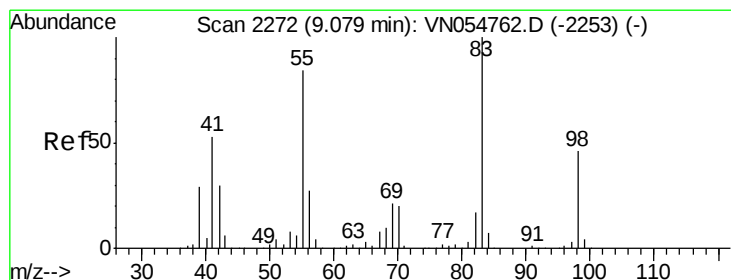
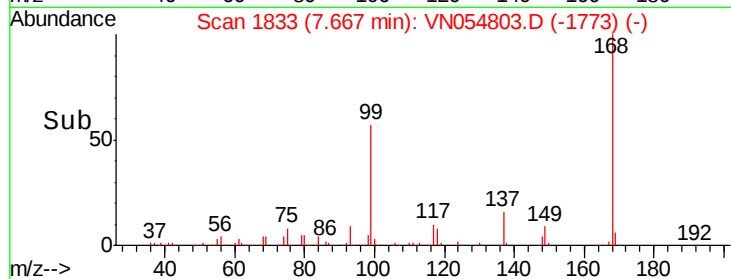
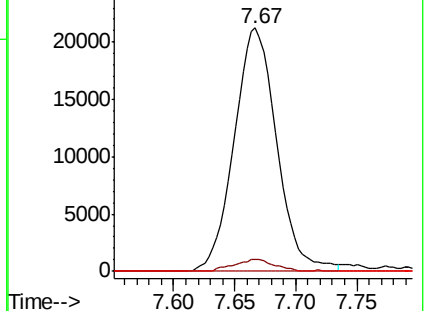
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 2.278 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

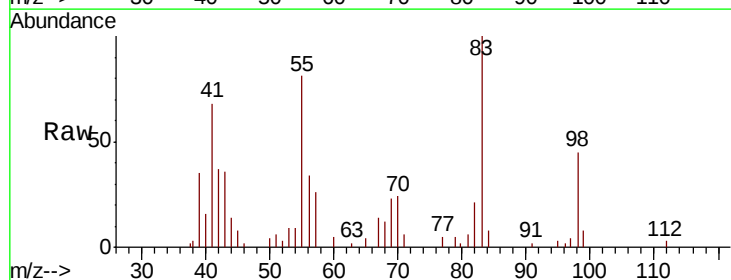
Tgt Ion: 83 Resp: 20141

Ion Ratio Lower Upper

83 100

55 77.5 56.6 84.8

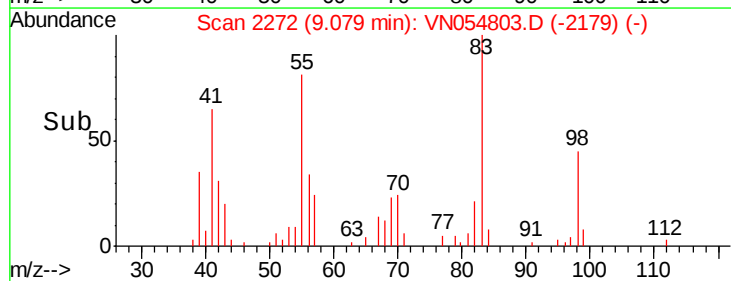
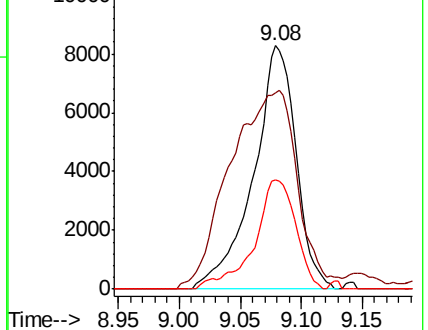
98 45.0 38.4 57.6

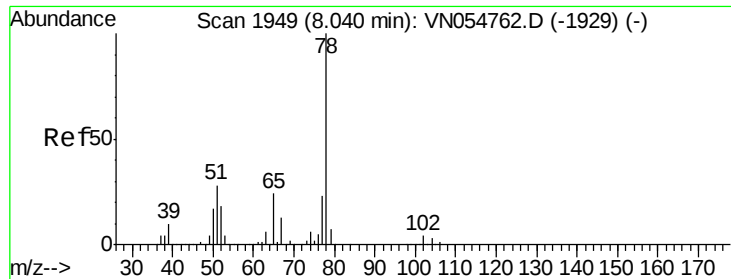


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 4.866 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

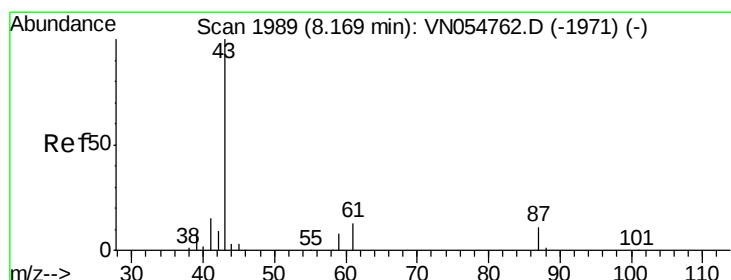
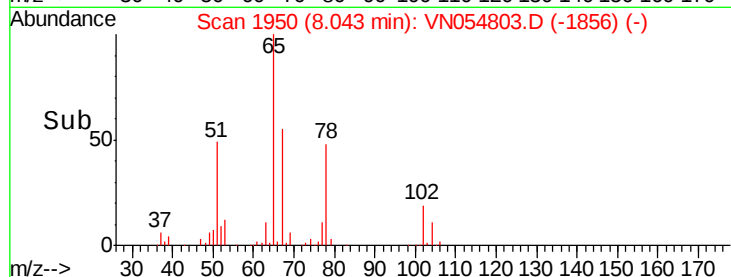
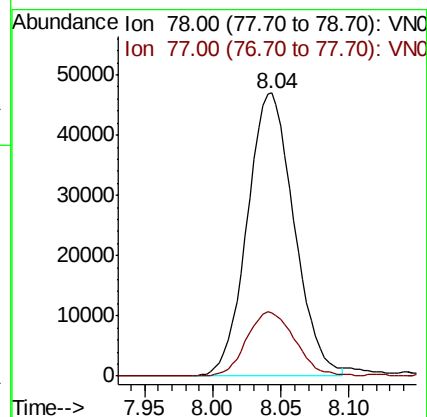
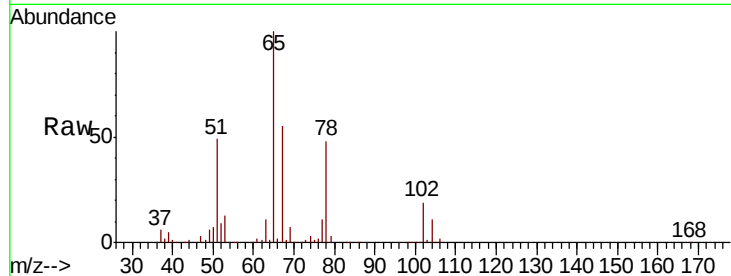
ClientSampled :

Tot Ion: 78 Resp: 111965

Ion Ratio Lower Upper

78 100

77 22.4 19.1 28.7



#43

Isopropyl Acetate

Concen: 0.403 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

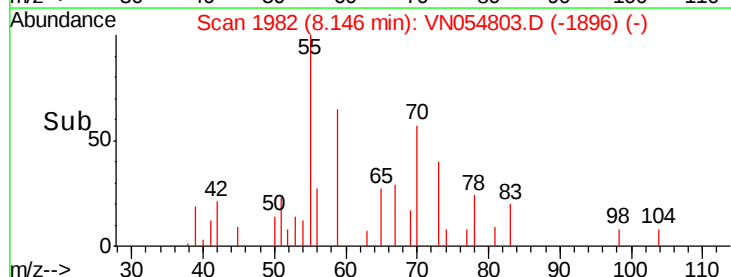
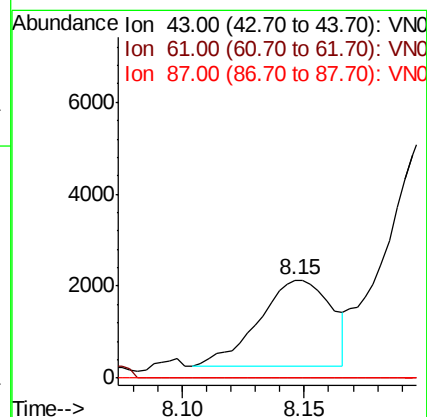
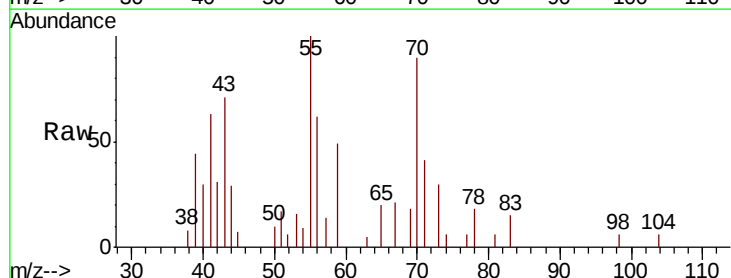
Tgt Ion: 43 Resp: 3857

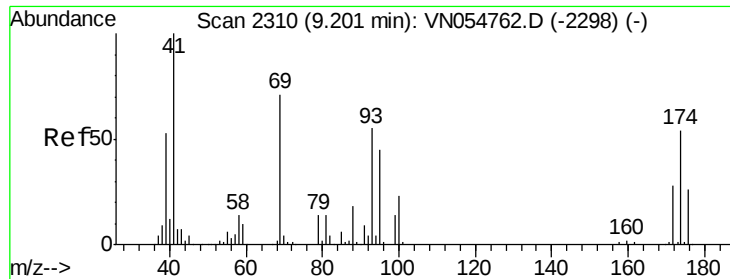
Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

87 0.0 12.0 18.0#

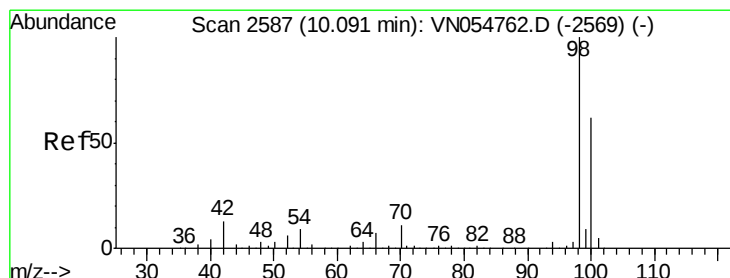
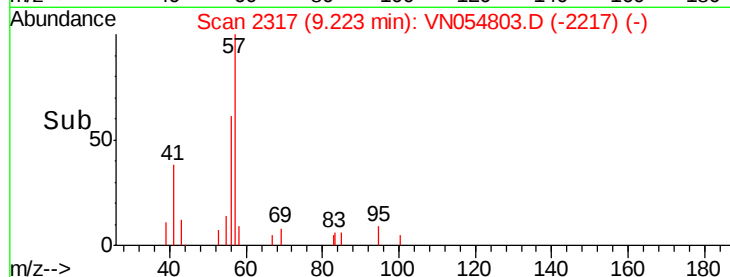
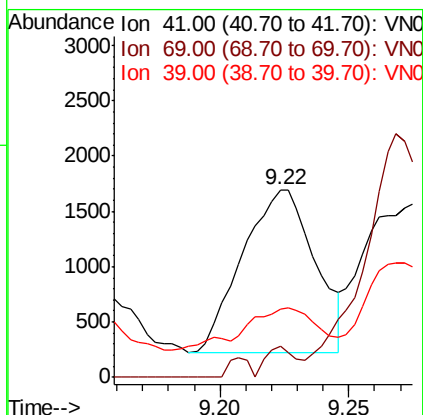
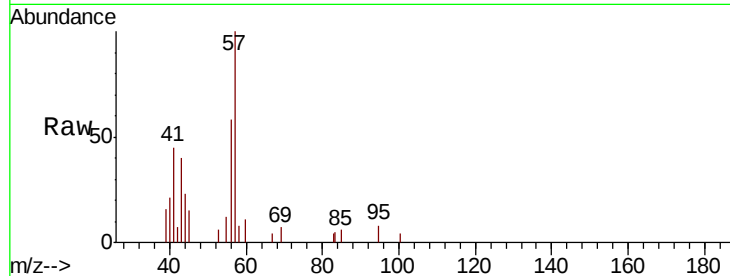




#48
Methyl methacrylate
Concen: 0.552 ug/l
RT: 9.22 min Scan# 2317
Delta R.T. 0.02 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

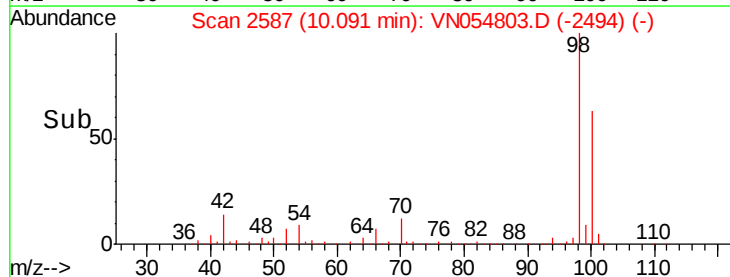
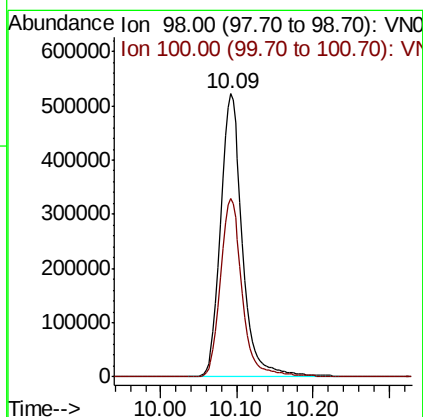
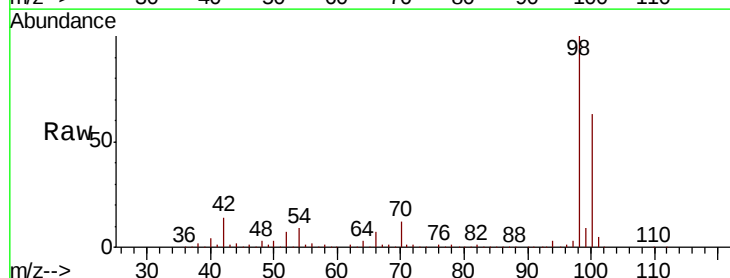
Instrument :
MSVOA_N
ClientSampled :

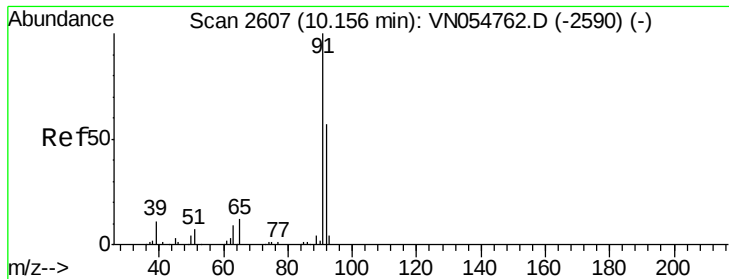
Tot Ion: 41 Resp: 2868
Ion Ratio Lower Upper
41 100
69 8.2 72.6 108.8#
39 26.6 47.5 71.3#



#50
Toluene-d8
Concen: 48.761 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Tgt Ion: 98 Resp: 1043010
Ion Ratio Lower Upper
98 100
100 62.5 51.2 76.8





#52

Toluene

Concen: 0.245 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

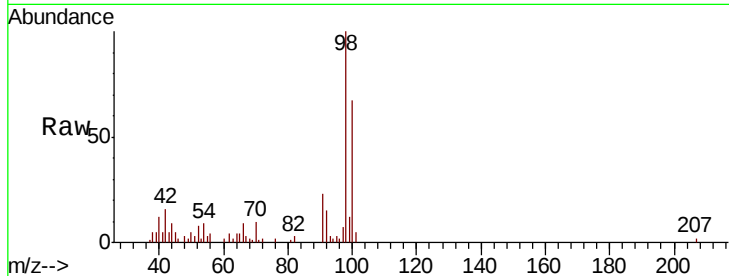
ClientSampleId :

Tot Ion: 92 Resp: 3352

Ion Ratio Lower Upper

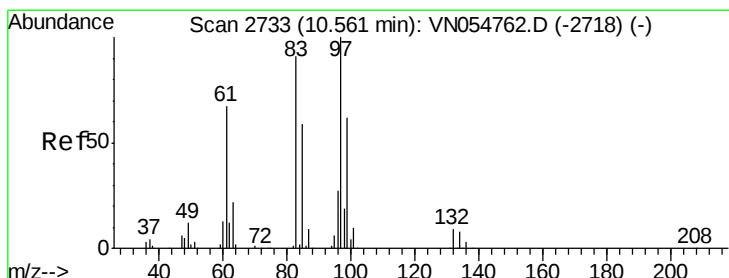
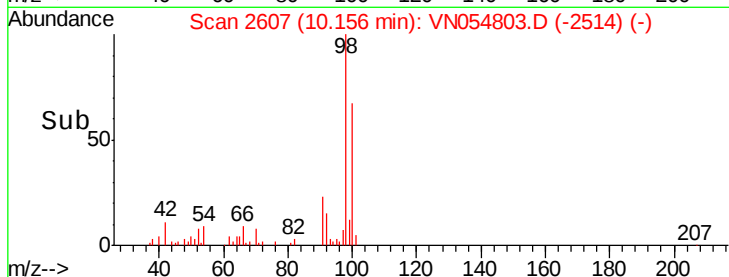
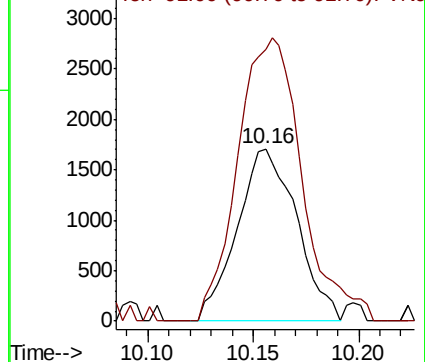
92 100

91 177.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#55

1,1,2-Trichloroethane

Concen: 1.577 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. -0.03 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Tgt Ion: 97 Resp: 8030

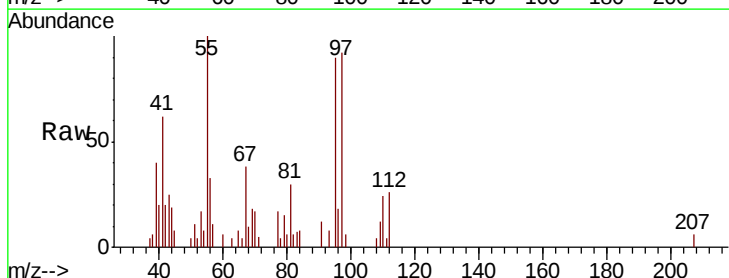
Ion Ratio Lower Upper

97 100

83 7.7 66.6 100.0#

85 0.0 44.4 66.6#

99 0.0 50.8 76.2#

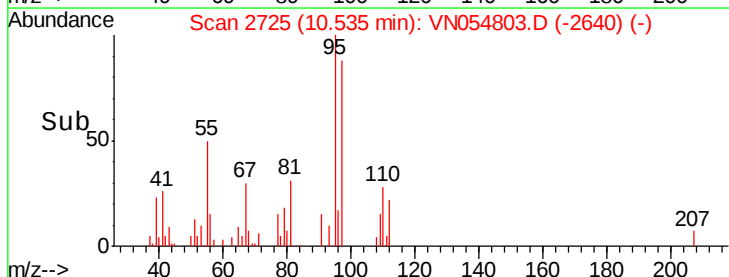
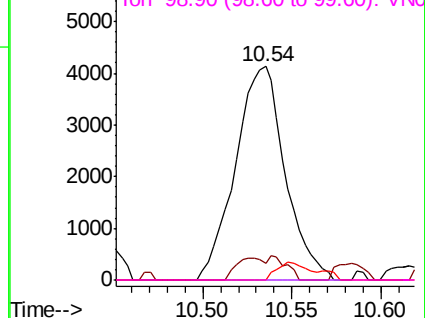


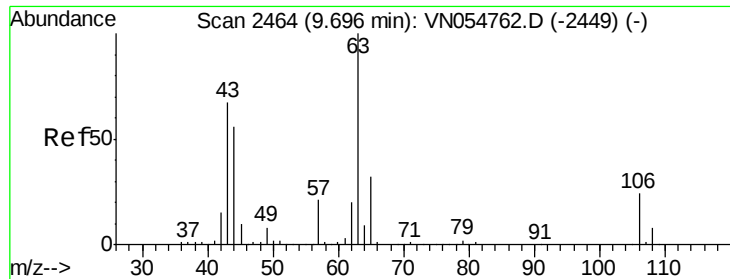
Abundance Ion 96.90 (96.60 to 97.60): VN0

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

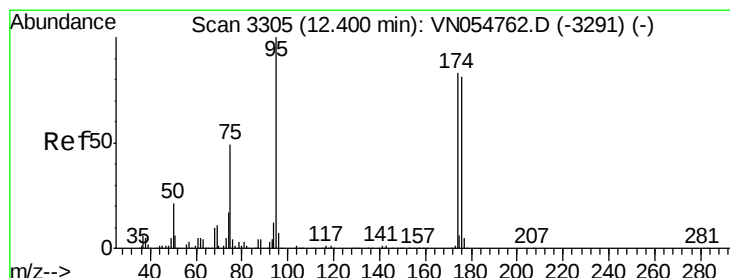
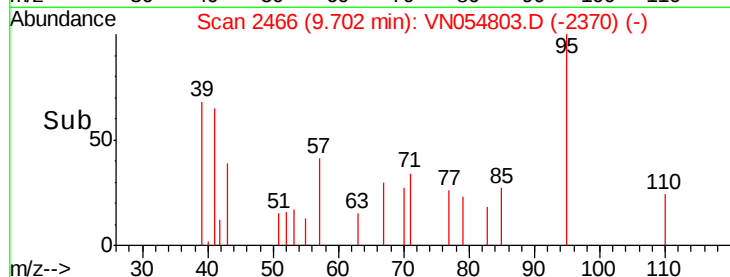
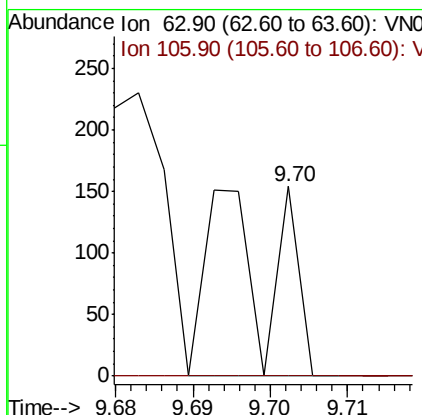
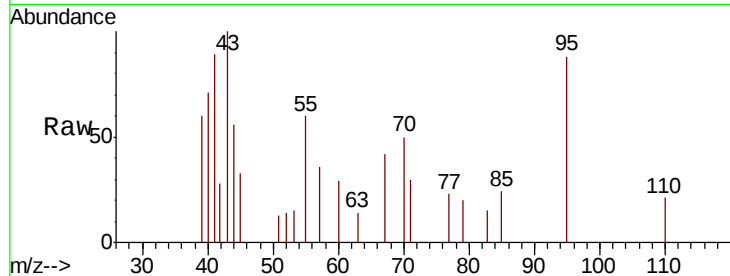




#58
2-Chloroethyl Vinyl ether
Concen: 10.384 ug/l
RT: 9.70 min Scan# 2466
Delta R.T. 0.01 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

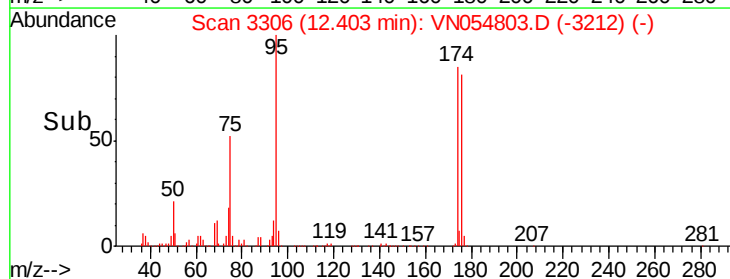
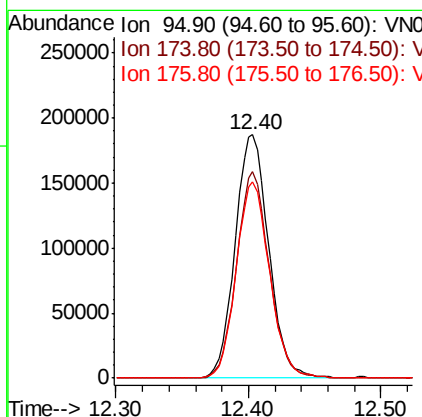
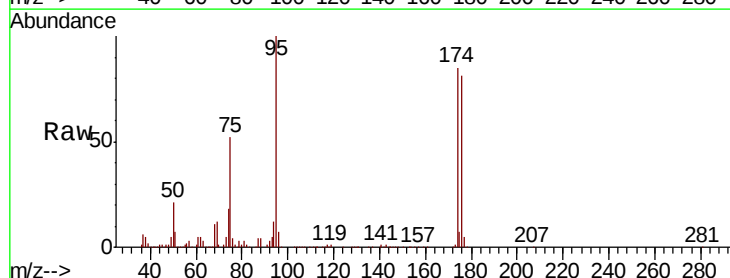
Instrument :
MSVOA_N
ClientSampled :

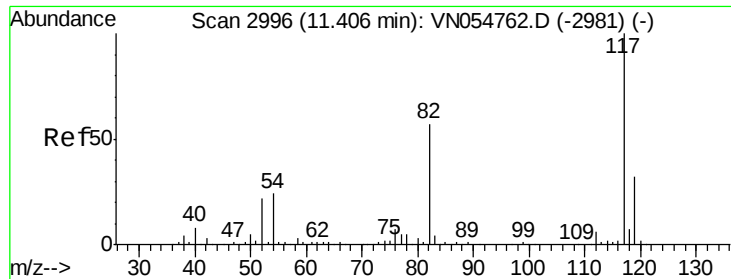
Tot Ion: 63 Resp: 88
Ion Ratio Lower Upper
63 100
106 0.0 24.4 36.6#



#62
4-Bromofluorobenzene
Concen: 46.215 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Tgt Ion: 95 Resp: 328766
Ion Ratio Lower Upper
95 100
174 82.9 0.0 191.0
176 80.5 0.0 187.4

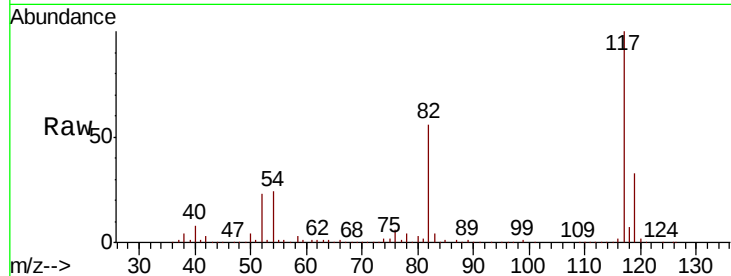




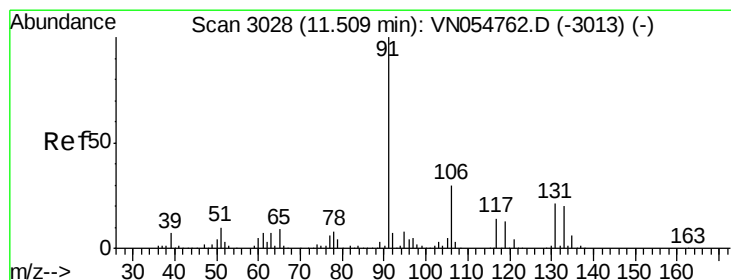
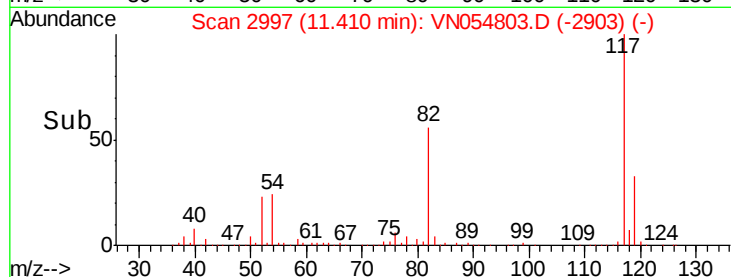
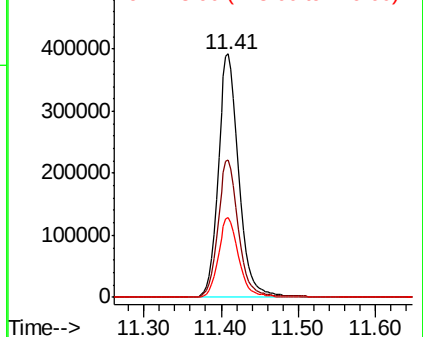
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 729370
Ion Ratio Lower Upper
117 100
82 56.4 40.0 60.0
119 32.6 25.8 38.6

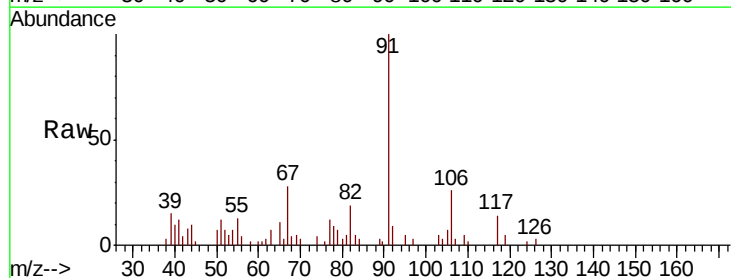


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

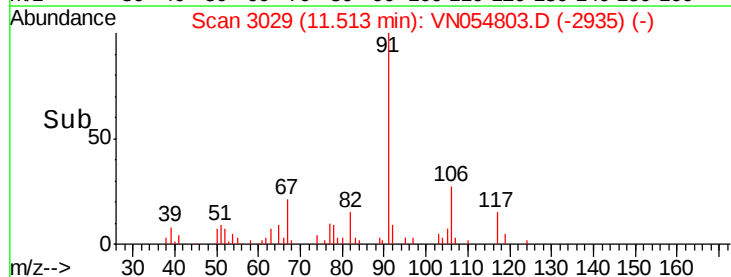
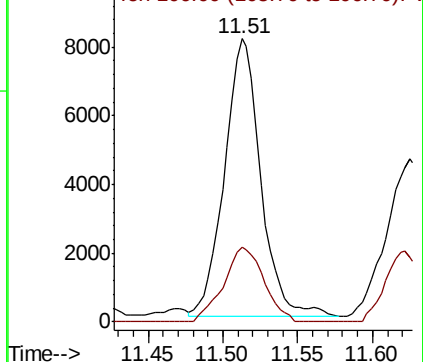


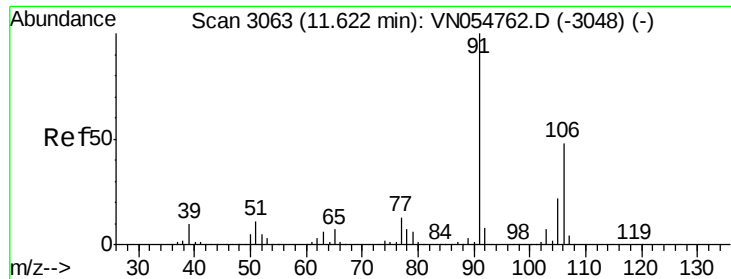
#67
Ethyl Benzene
Concen: 0.531 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Tgt Ion: 91 Resp: 13674
Ion Ratio Lower Upper
91 100
106 26.9 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

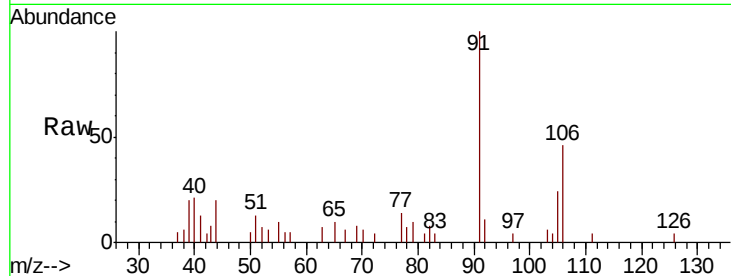




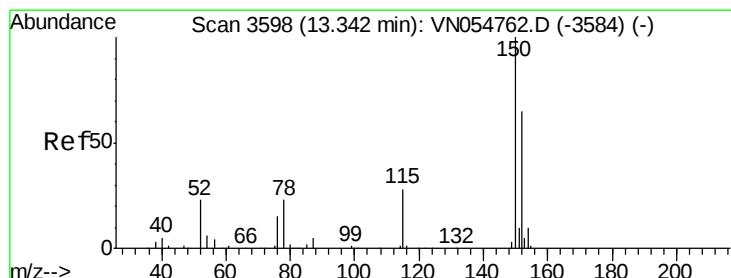
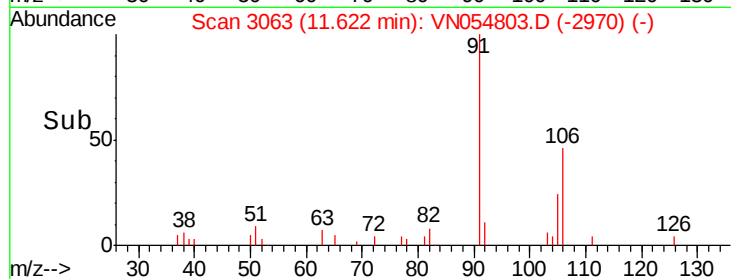
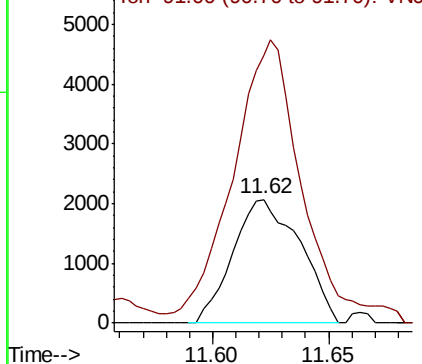
#68
m/p-Xvlenes
Concen: 0.436 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 4159
Ion Ratio Lower Upper
106 100
91 239.0 159.4 239.2

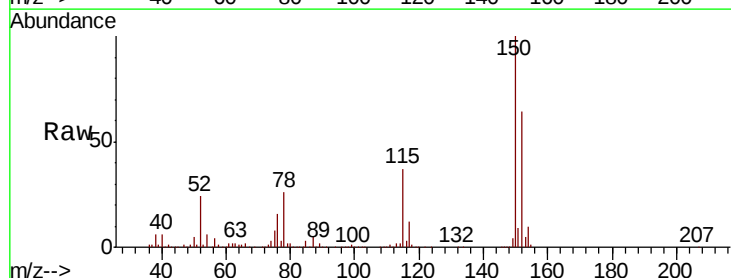


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

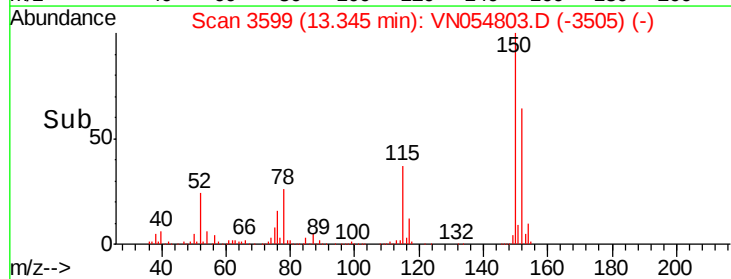
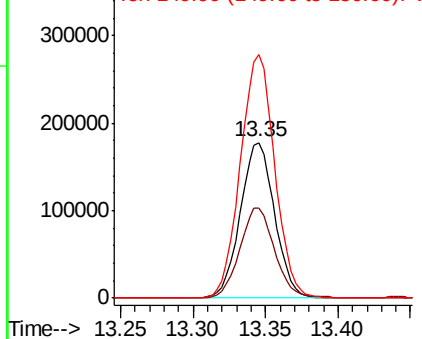


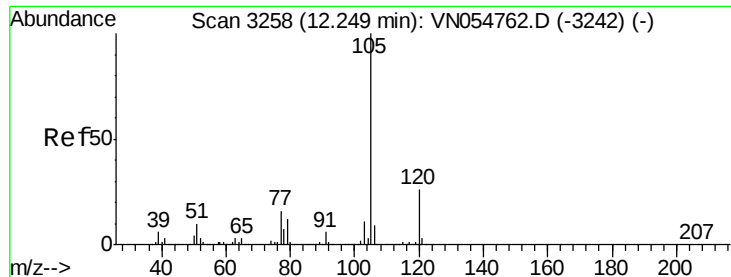
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Tgt Ion:152 Resp: 291912
Ion Ratio Lower Upper
152 100
115 58.9 27.2 81.6
150 156.9 0.0 349.2



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: 6.983 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

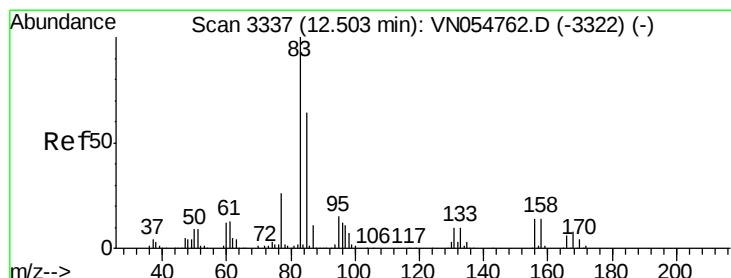
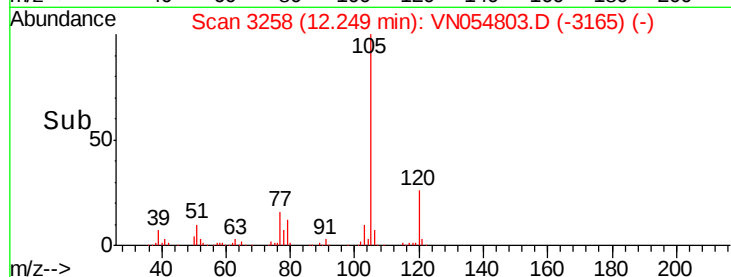
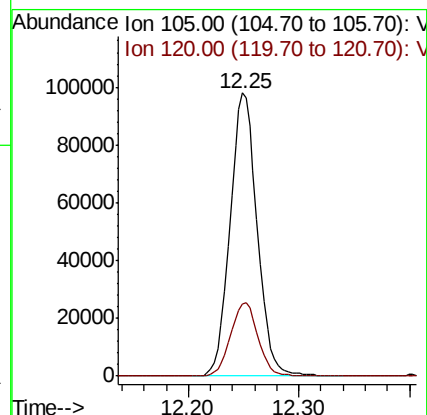
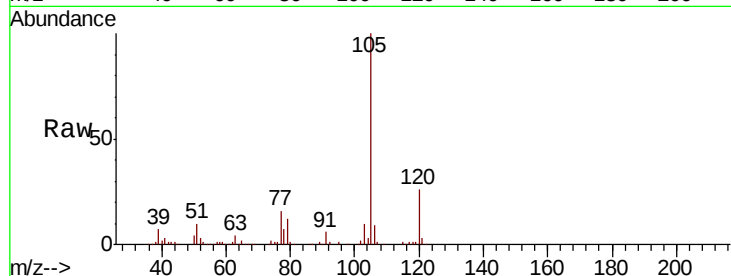
ClientSampled :

Tot Ion:105 Resp: 166601

Ion Ratio Lower Upper

105 100

120 26.3 13.8 41.3



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.52 min Scan# 3341

Delta R.T. 0.01 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

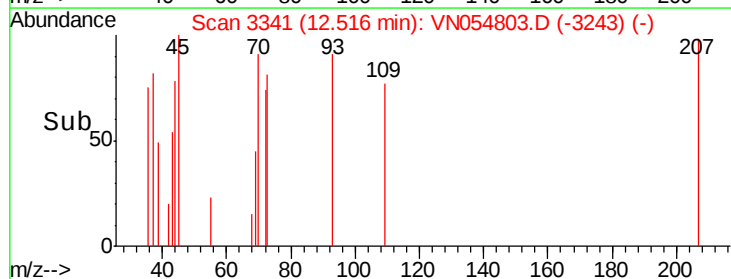
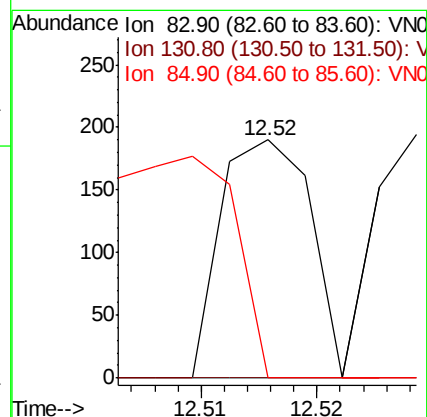
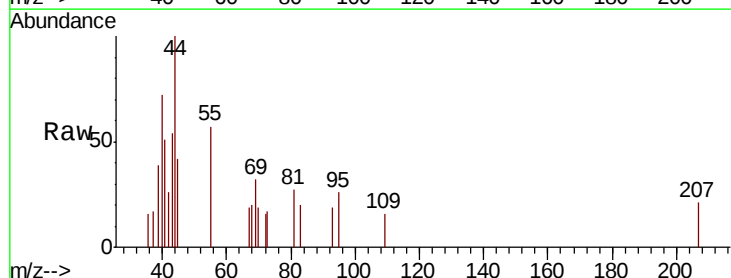
Tgt Ion: 83 Resp: 101

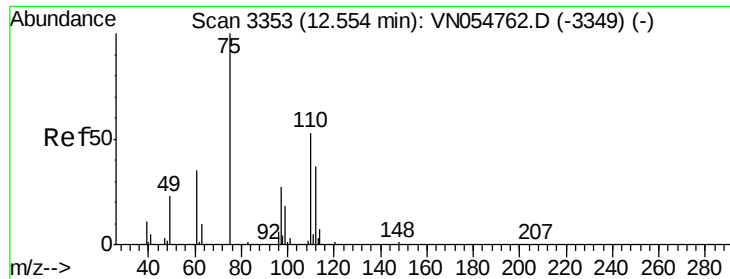
Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

85 125.7 32.2 96.6#

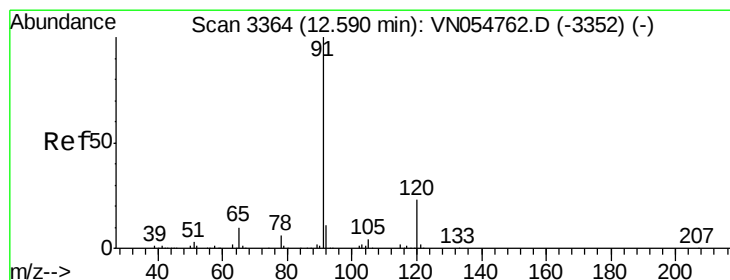
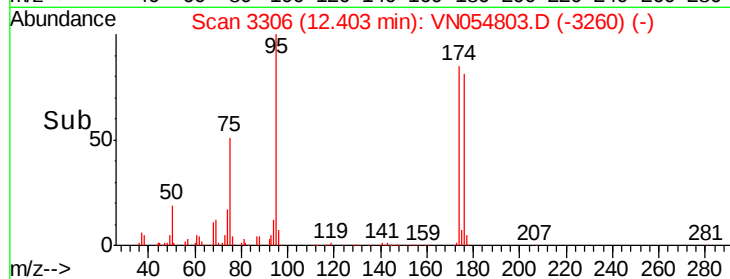
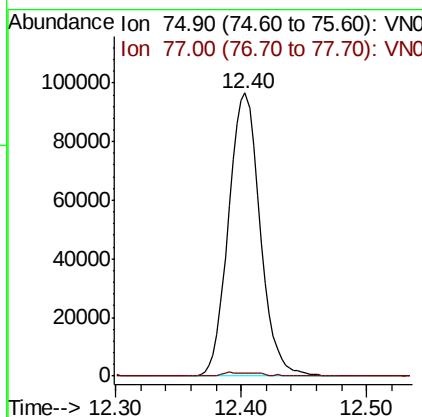
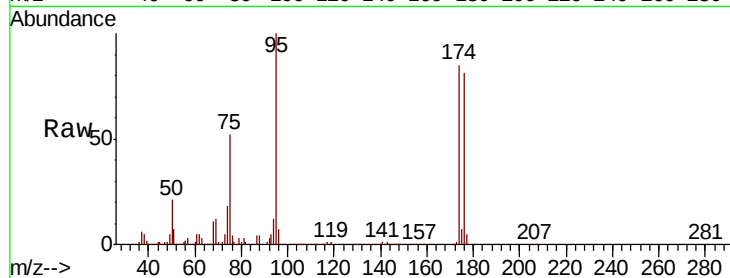




#76
 1,2,3-Trichloropropane
 Concen: 33.302 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN054803.D
 Acq: 30 Mar 2019 15:32

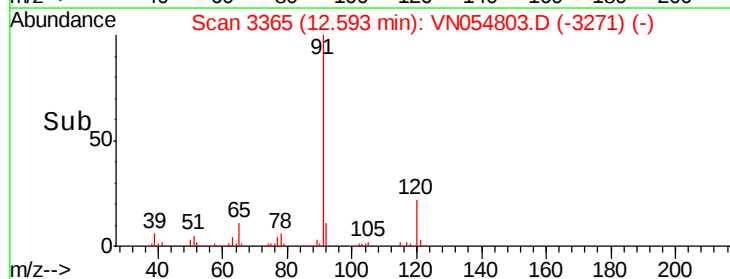
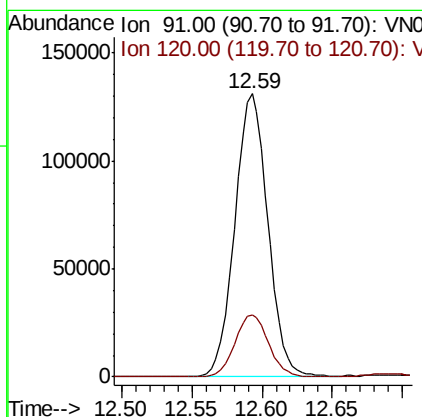
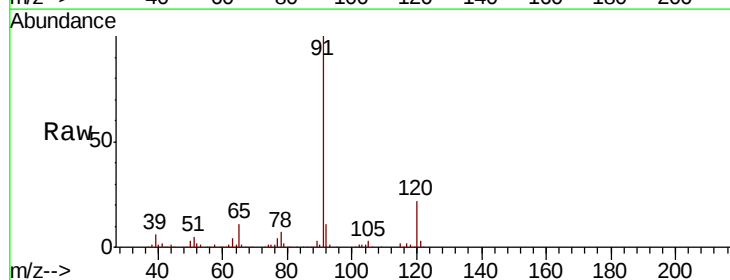
Instrument :
 MSVOA_N
 ClientSampled :

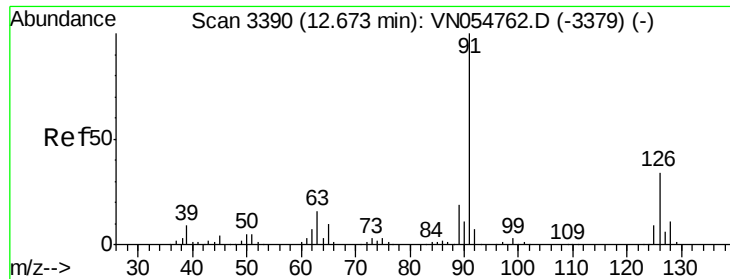
Tot Ion: 75 Resp: 168882
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#



#78
 n-propylbenzene
 Concen: 8.213 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN054803.D
 Acq: 30 Mar 2019 15:32

Tgt Ion: 91 Resp: 215390
 Ion Ratio Lower Upper
 91 100
 120 22.2 12.3 36.9





#79

2-Chlorotoluene

Concen: 13.276 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

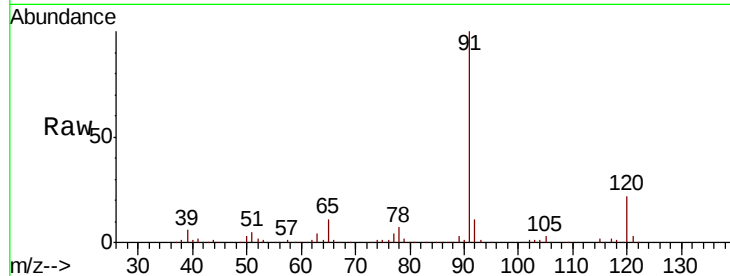
ClientSampled :

Tot Ion: 91 Resp: 215390

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN054762.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054762.D (-3379) (-)

12.59

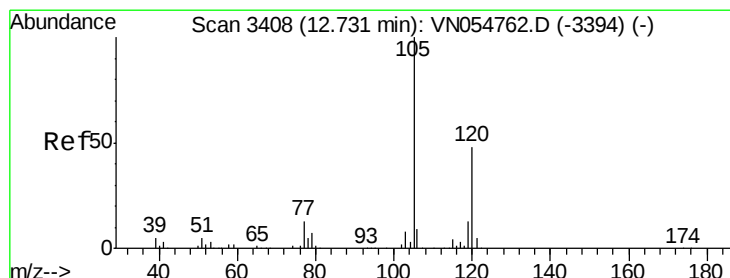
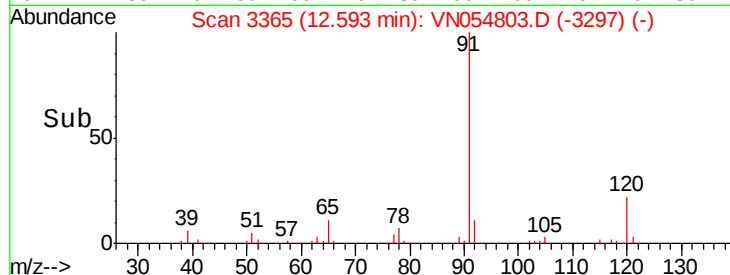
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.427 ug/l

RT: 12.69 min Scan# 3395

Delta R.T. -0.04 min

Lab File: VN054803.D

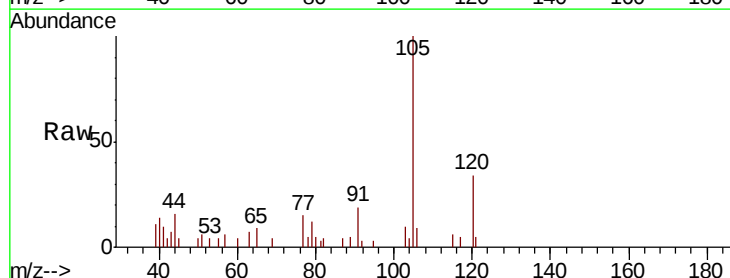
Acq: 30 Mar 2019 15:32

Tgt Ion: 105 Resp: 8365

Ion Ratio Lower Upper

105 100

120 31.8 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054762.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054762.D (-3394) (-)

12.69

5000

4000

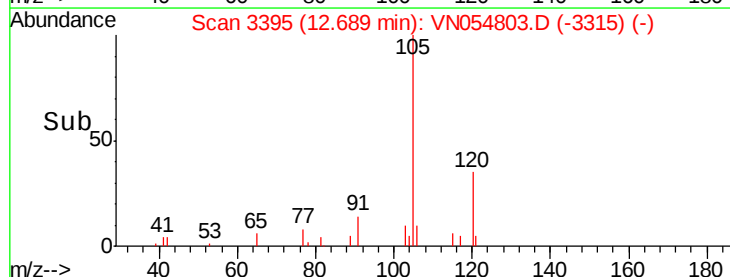
3000

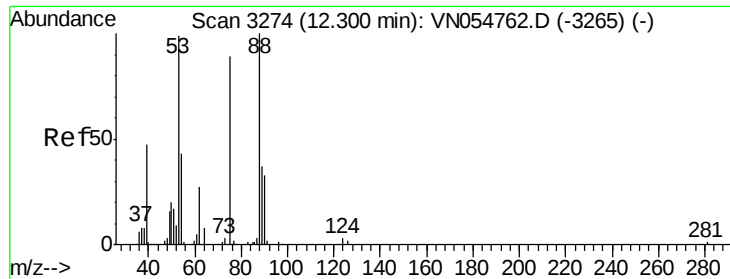
2000

1000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 129.537 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

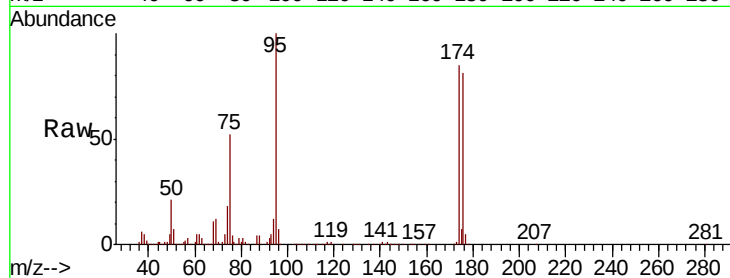
Tot Ion: 75 Resp: 168882

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

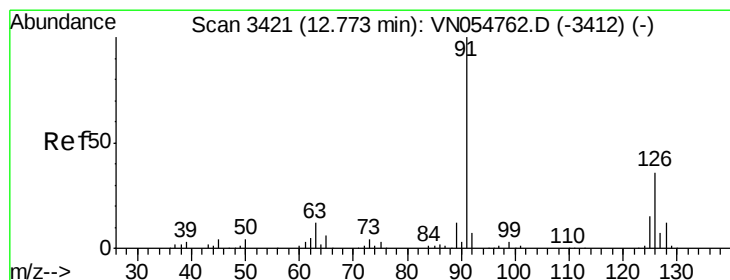
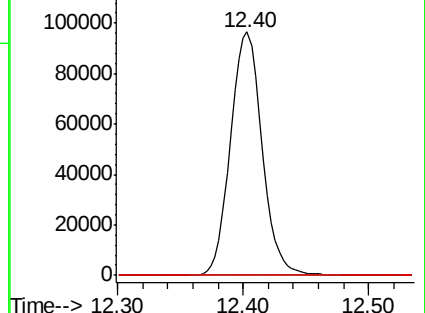
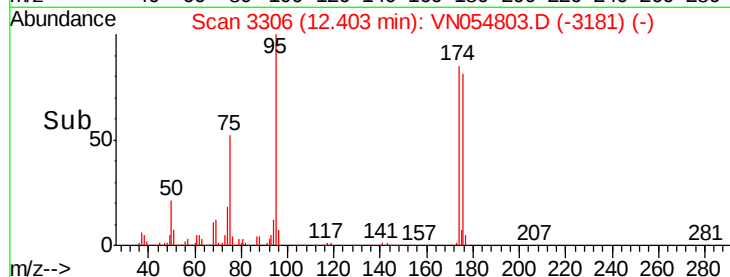
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054803.D (-3306) (-)

Ion 53.00 (52.70 to 53.70): VN054803.D (-3306) (-)

Ion 88.90 (88.60 to 89.60): VN054803.D (-3306) (-)



#82

4-Chlorotoluene

Concen: 13.668 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.18 min

Lab File: VN054803.D

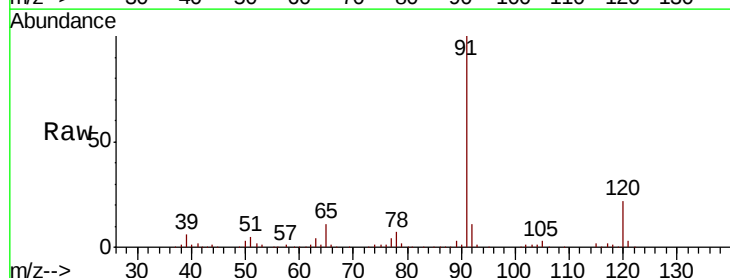
Acq: 30 Mar 2019 15:32

Tgt Ion: 91 Resp: 215390

Ion Ratio Lower Upper

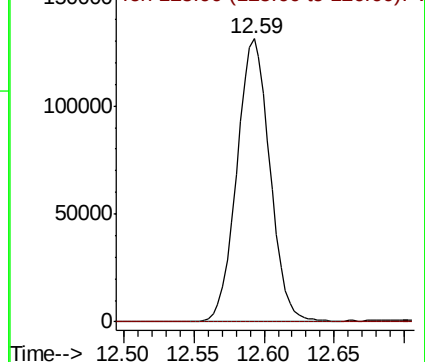
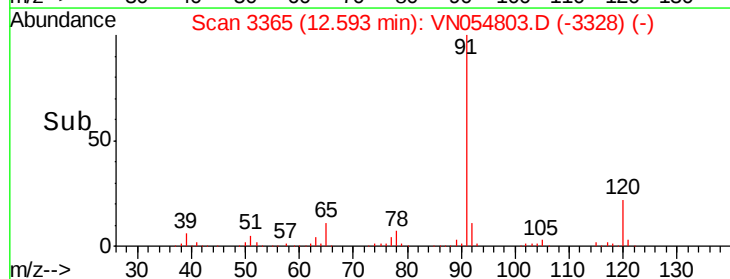
91 100

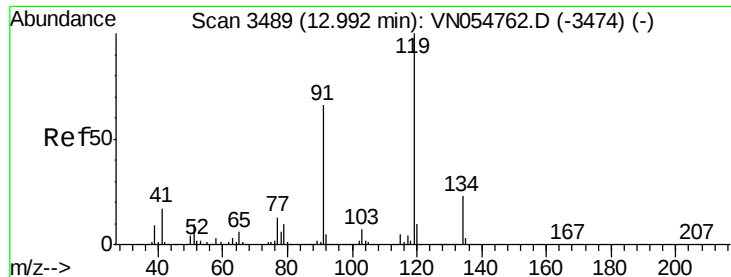
126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN054803.D (-3365) (-)

Ion 125.90 (125.60 to 126.60): VN054803.D (-3365) (-)

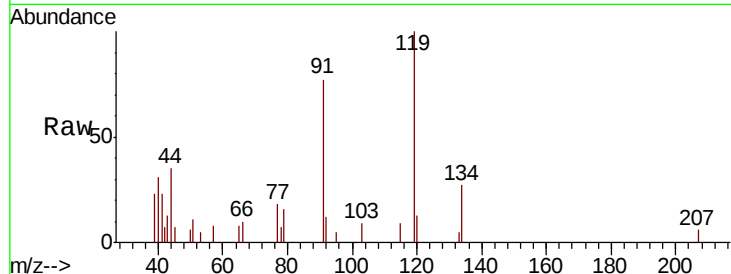




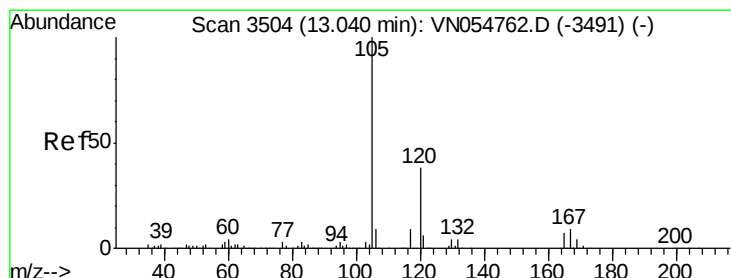
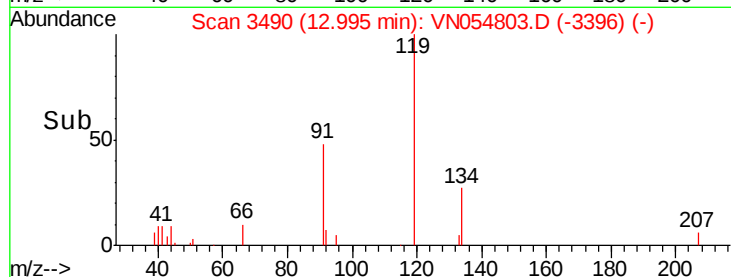
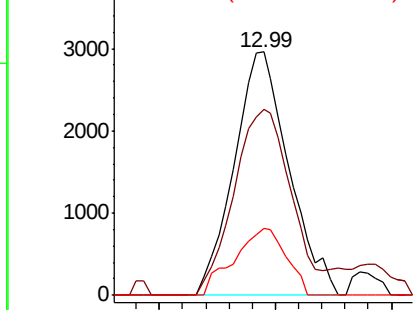
#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 4847
Ion Ratio Lower Upper
119 100
91 79.7 30.9 92.8
134 26.1 13.2 39.6

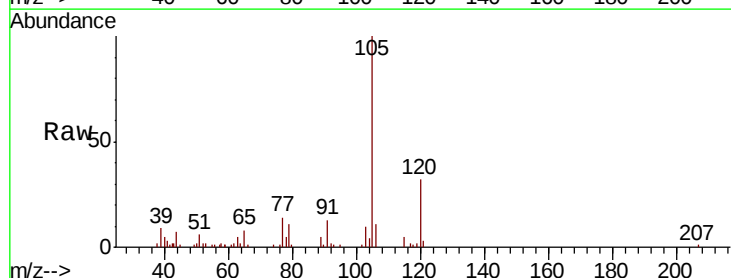


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

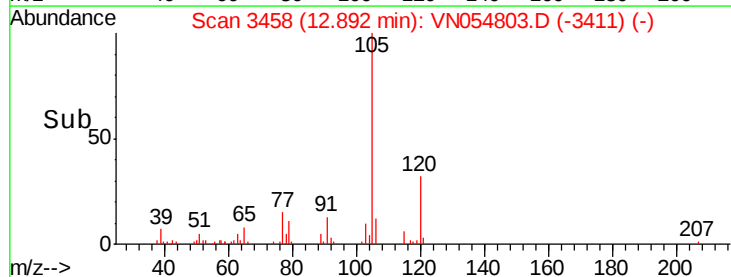
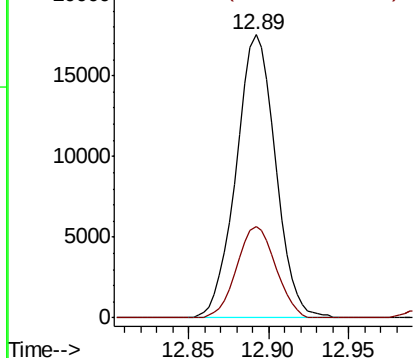


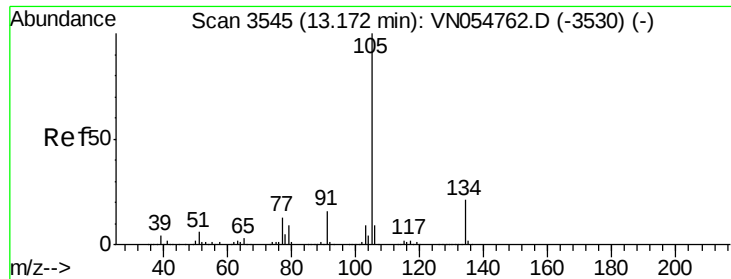
#84
1,2,4-Trimethylbenzene
Concen: 1.576 ug/l
RT: 12.89 min Scan# 3458
Delta R.T. -0.15 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Tgt Ion:105 Resp: 29404
Ion Ratio Lower Upper
105 100
120 32.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.020 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

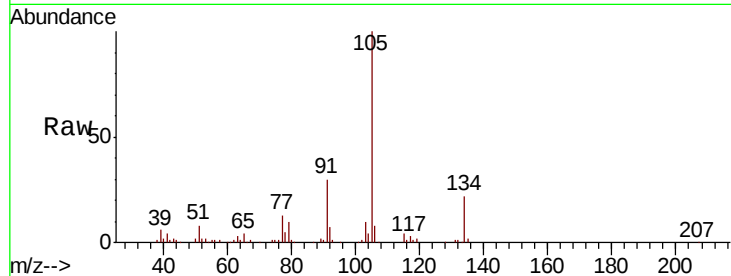
ClientSampleId :

Tot Ion:105 Resp: 106765

Ion Ratio Lower Upper

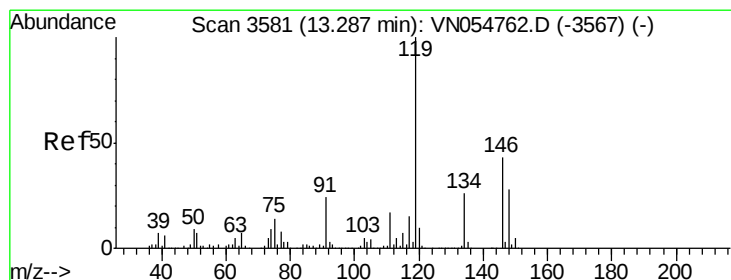
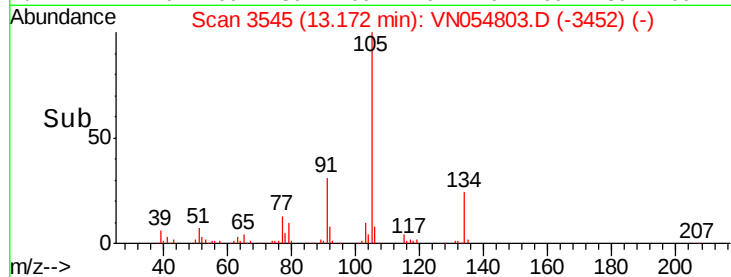
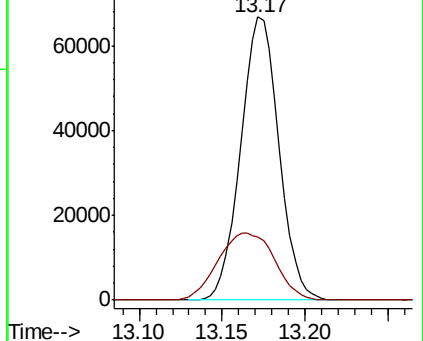
105 100

134 35.1 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.565 ug/l

RT: 13.44 min Scan# 3629

Delta R.T. 0.15 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

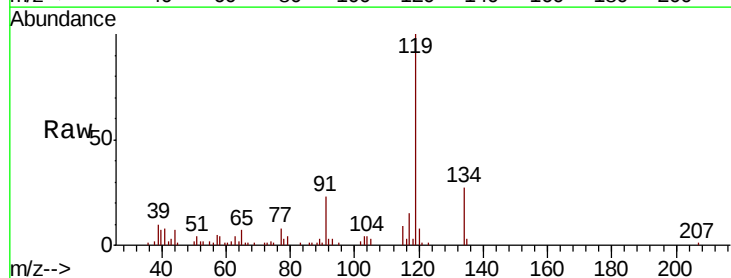
Tgt Ion:119 Resp: 29363

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

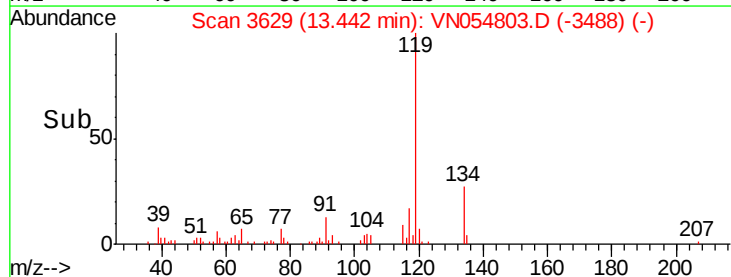
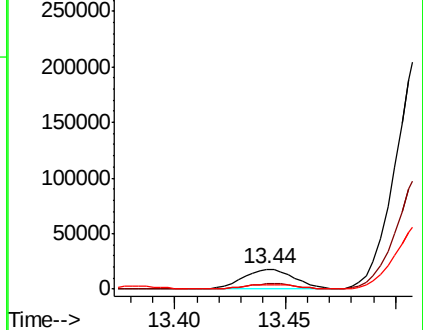
91 22.1 11.1 33.3

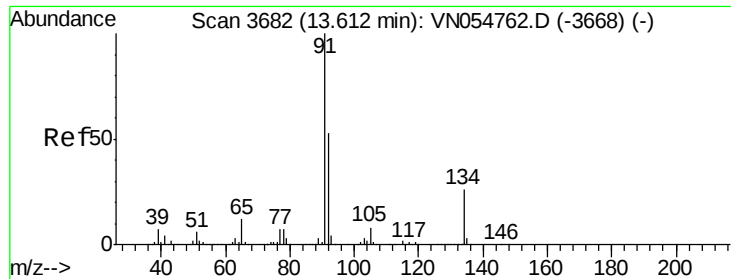


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

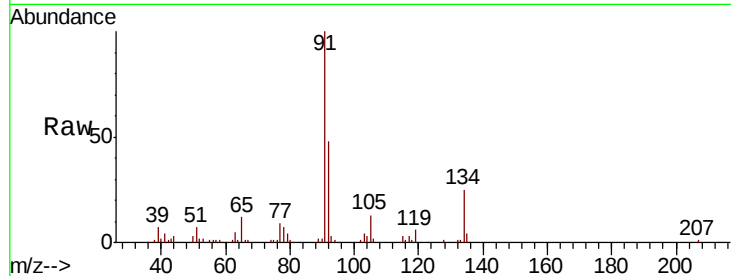




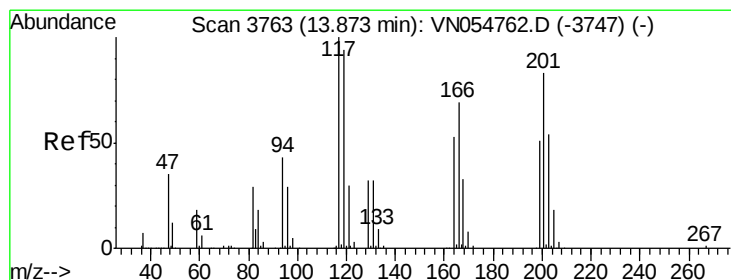
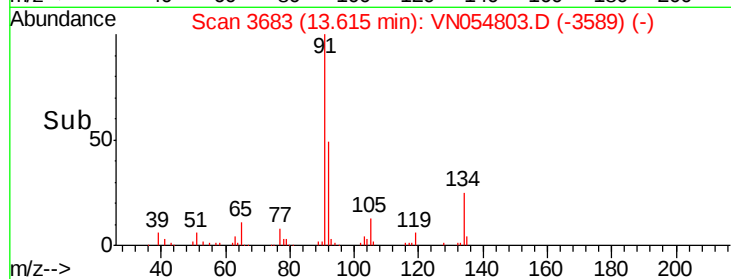
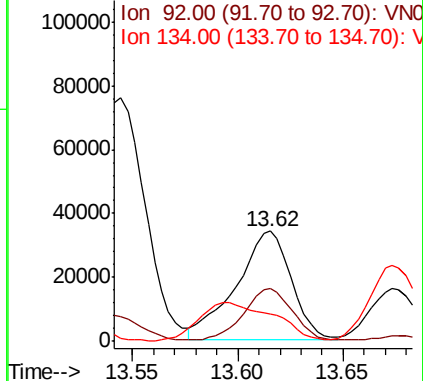
#89
n-Butylbenzene
Concen: 4.088 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 62567
Ion Ratio Lower Upper
91 100
92 43.4 26.2 78.6
134 0.0 14.3 42.9#

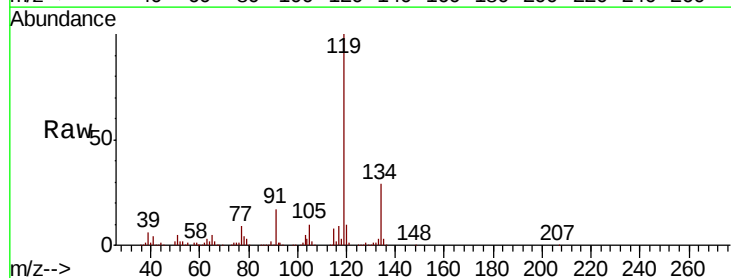


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

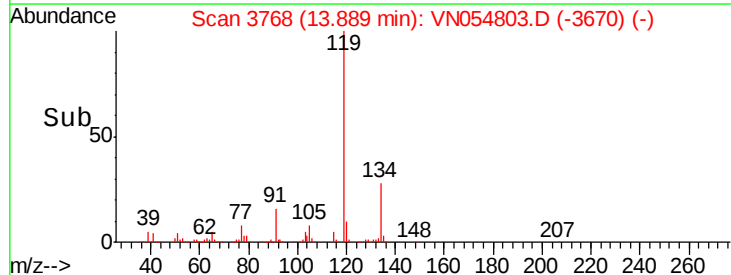
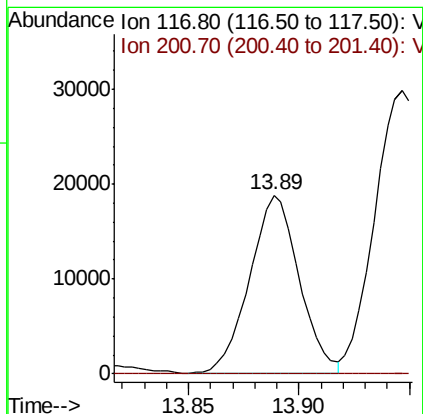


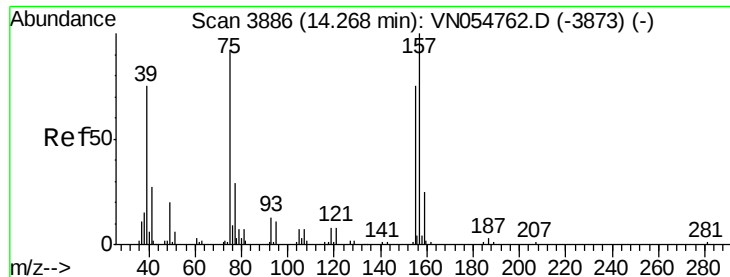
#90
Hexachloroethane
Concen: 9.230 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.02 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Tgt Ion: 117 Resp: 29395
Ion Ratio Lower Upper
117 100
201 0.0 48.1 144.4#



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: 0.878 ug/l

RT: 14.29 min Scan# 3894

Delta R.T. 0.03 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

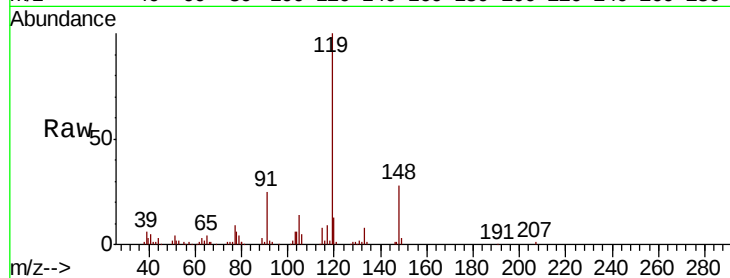
Tot Ion: 75 Resp: 716

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

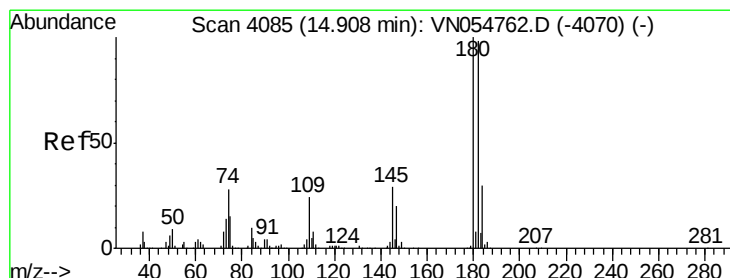
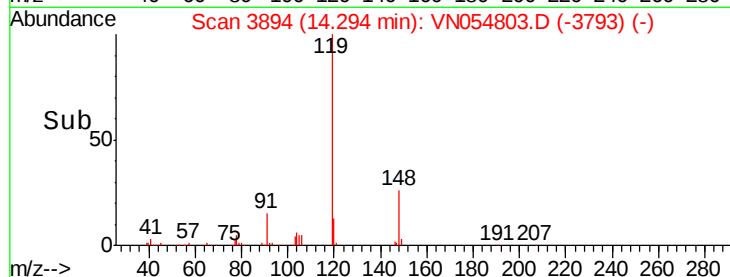
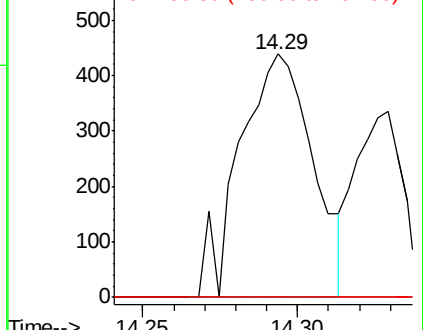
157 0.0 63.1 189.3#



Abundance Ion 74.90 (74.60 to 75.60): VN054803.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN054803.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN054803.D (-3793) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.212 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

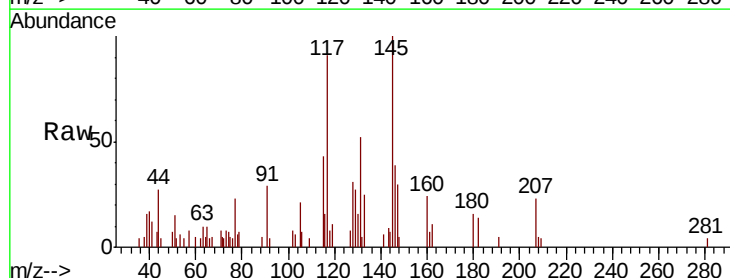
Tgt Ion: 180 Resp: 996

Ion Ratio Lower Upper

180 100

182 96.4 48.0 144.2

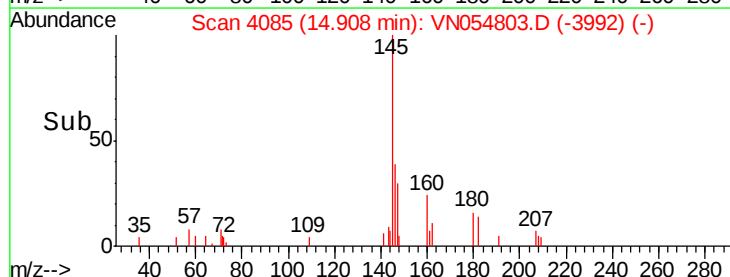
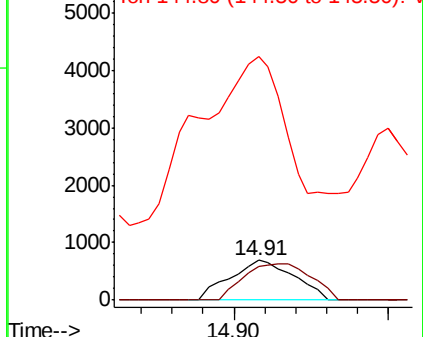
145 587.0 14.2 42.8#

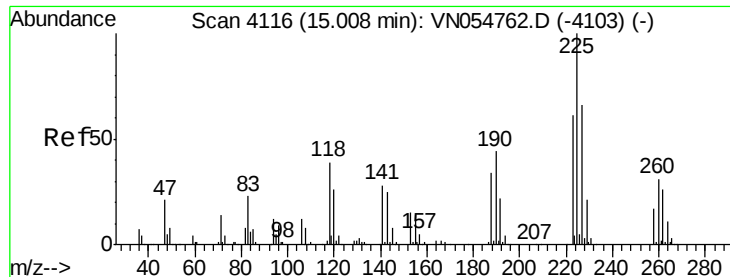


Abundance Ion 179.80 (179.50 to 180.50): VN054803.D (-3992) (-)

Ion 181.80 (181.50 to 182.50): VN054803.D (-3992) (-)

Ion 144.80 (144.50 to 145.50): VN054803.D (-3992) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

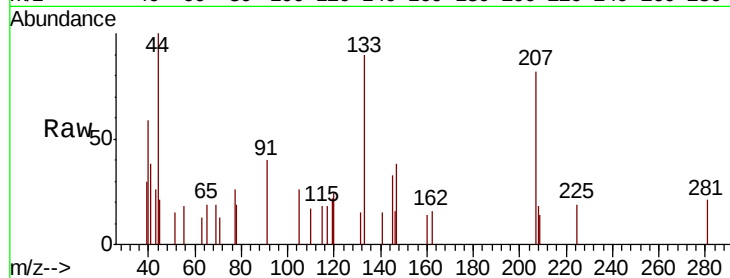
Tot Ion:225 Resp: 185

Ion Ratio Lower Upper

225 100

223 0.0 31.1 93.5#

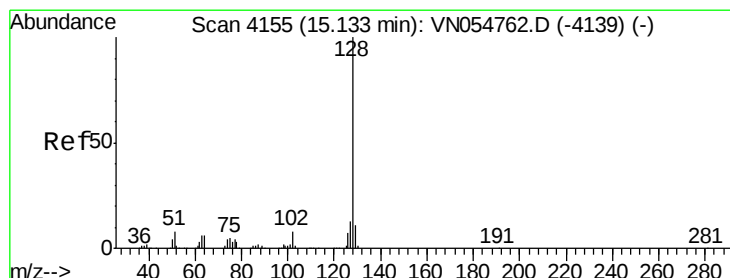
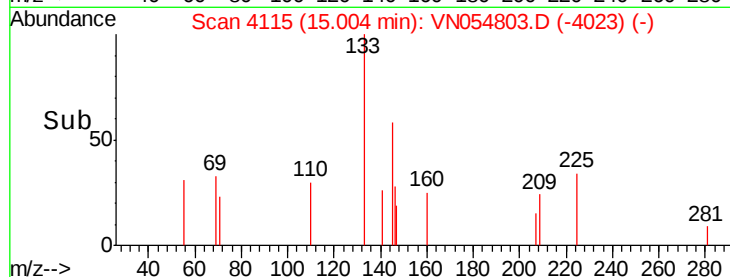
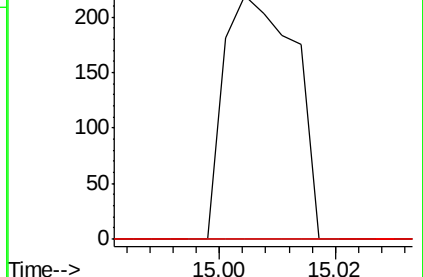
227 0.0 31.9 95.9#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.524 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

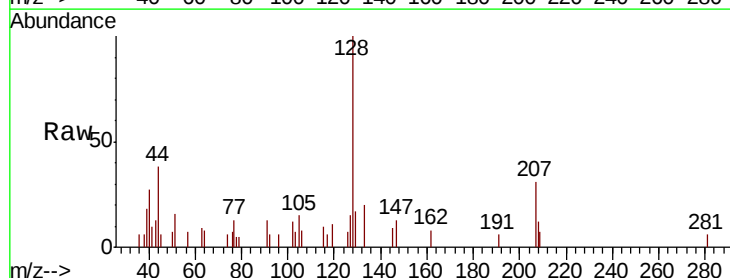
Tgt Ion:128 Resp: 5509

Ion Ratio Lower Upper

128 100

127 10.2 10.1 15.1

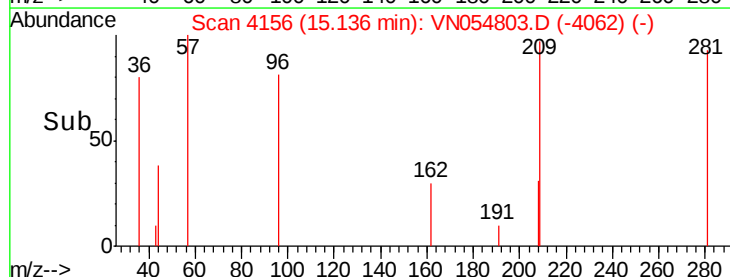
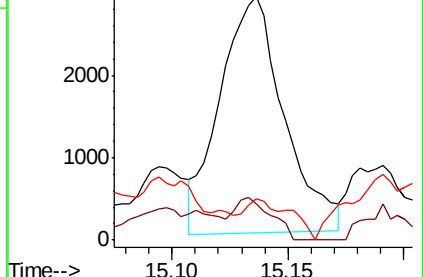
129 12.5 8.7 13.1

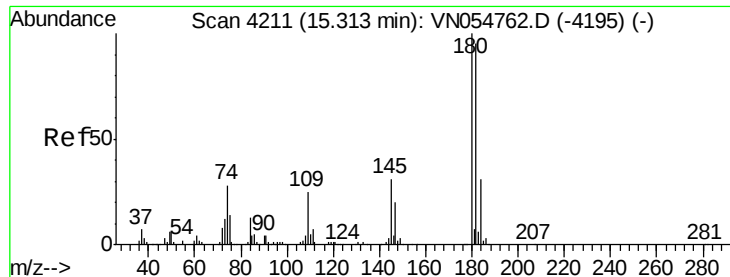


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.244 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN054803.D
 Acq: 30 Mar 2019 15:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	67.8	47.5	142.6
145	0.0	14.8	44.3#

