

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053037.D
 Acq On : 20 Dec 2018 3:43
 Operator : MD\SY
 Sample : J6411-13
 Misc : 6.89g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 44 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 05:31:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1373134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2083963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1932830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	842934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	653833	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
35) Dibromofluoromethane	7.59	113	533573	56.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.10%	
50) Toluene-d8	10.09	98	2657938	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.40	95	1134802	63.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.50%	

Target Compounds

					Qvalue	
16) Acetone	3.81	43	1259	0.461	ug/l	91
18) Methyl Acetate	4.33	43	4549	1.352	ug/l #	80
31) Cyclohexane	7.66	56	38901	0.574	ug/l #	17
36) 1,1-Dichloropropene	7.67	75	89424	4.471	ug/l #	49
38) Carbon Tetrachloride	7.67	117	117419	6.404	ug/l #	15
39) Methylcyclohexane	9.08	83	127300	5.239	ug/l	97
43) Isopropyl Acetate	8.34	43	209075	8.815	ug/l #	53
48) Methyl methacrylate	9.14	41	8226	0.759	ug/l #	30
51) 4-Methyl-2-Pentanone	10.09	43	42363	3.918	ug/l #	86
55) 1,1,2-Trichloroethane	10.53	97	214159	16.646	ug/l #	19
56) Ethyl methacrylate	10.43	69	91425	5.369	ug/l #	5
59) 2-Hexanone	10.72	43	1116181	152.559	ug/l #	27
65) Chlorobenzene	11.54	112	55968	1.306	ug/l #	43
67) Ethyl Benzene	11.51	91	259581	3.523	ug/l	99
68) m/p-Xylenes	11.63	106	726153	25.924	ug/l	97
71) Bromoform	12.40	173	4511	0.419	ug/l #	1
73) Isopropylbenzene	12.25	105	2813799	42.664	ug/l	99
74) N-amyl acetate	12.05	43	3273288	178.763	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.47	83	309820	23.945	ug/l #	25
76) 1,2,3-Trichloropropane	12.59	75	36686	2.585	ug/l #	100
77) Bromobenzene	12.50	156	3493	0.204	ug/l #	1
78) n-propylbenzene	12.59	91	6432724	85.640	ug/l	99
79) 2-Chlorotoluene	12.66	91	454087	9.753	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	7979799	148.443	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.25	75	28433	6.458	ug/l #	1
82) 4-Chlorotoluene	12.73	91	817113	17.928	ug/l #	54
83) tert-Butylbenzene	12.99	119	563946	11.862	ug/l	95
84) 1,2,4-Trimethylbenzene	13.17	105	4315210	79.851	ug/l #	30
85) sec-Butylbenzene	13.17	105	4315210	67.104	ug/l #	74
86) p-Isopropyltoluene	13.29	119	3676925	66.172	ug/l	100
89) n-Butylbenzene	13.62	91	5451681	114.042	ug/l #	72
90) Hexachloroethane	13.89	117	527724	61.888	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	24265	10.846	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1080	0.667	ug/l #	1

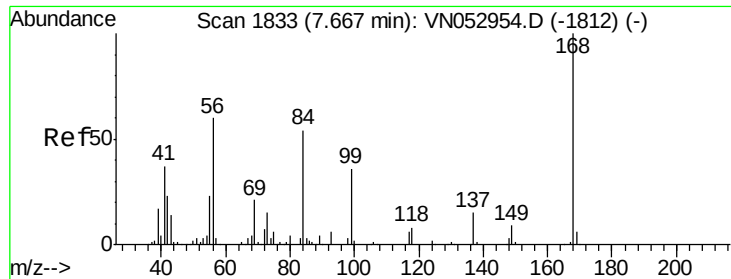
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
Data File : VN053037.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	323739	10.691	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	376	0.535	ug/l #	51

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

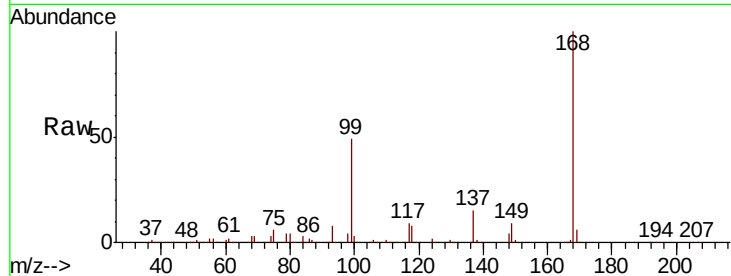
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1373134

Ion Ratio Lower Upper

168 100

99 49.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

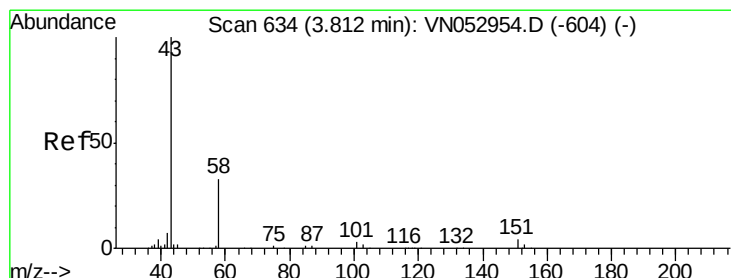
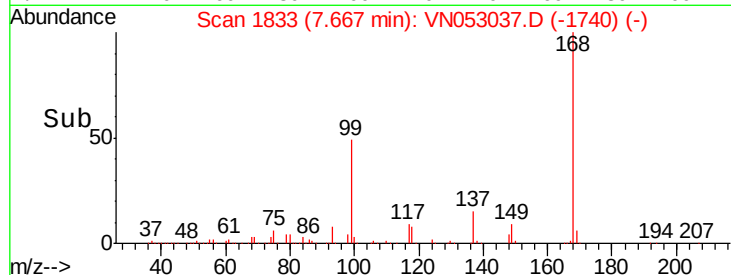
600000

400000

200000

0

Time-->



#16

Acetone

Concen: 0.461 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053037.D

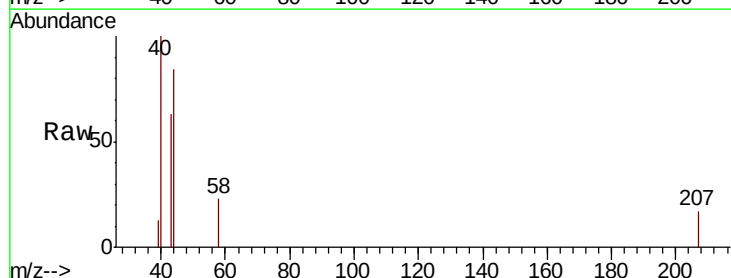
Acq: 20 Dec 2018 3:43

Tgt Ion: 43 Resp: 1259

Ion Ratio Lower Upper

43 100

58 36.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.81

800

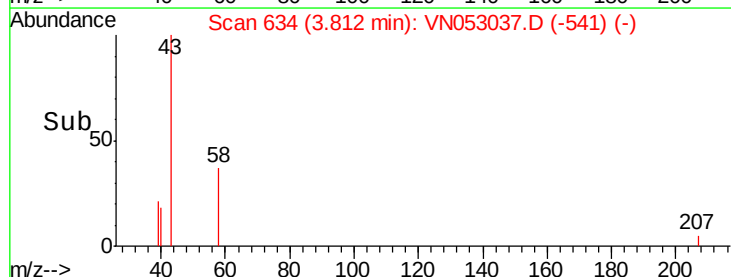
600

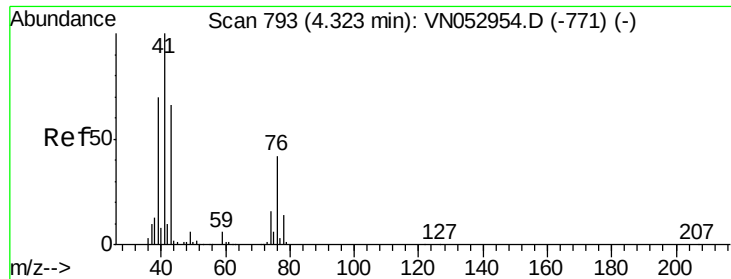
400

200

0

Time-->

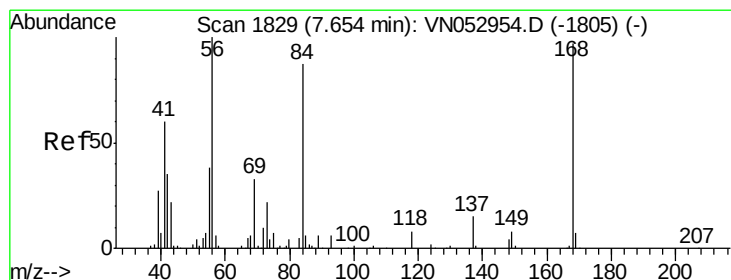
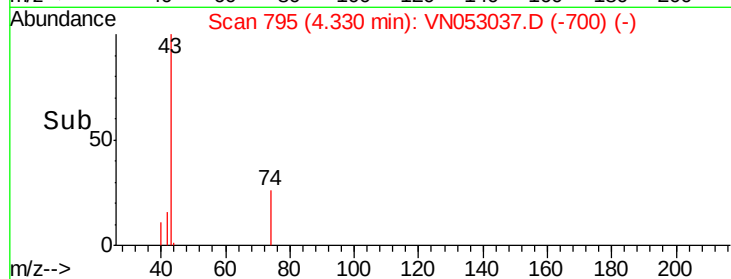
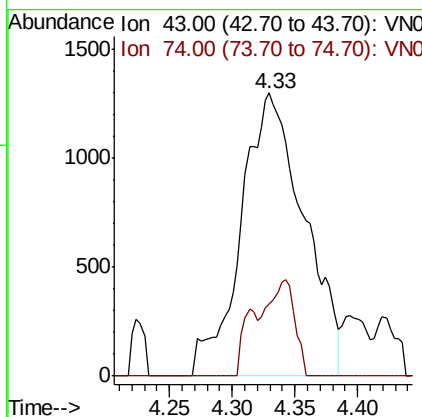
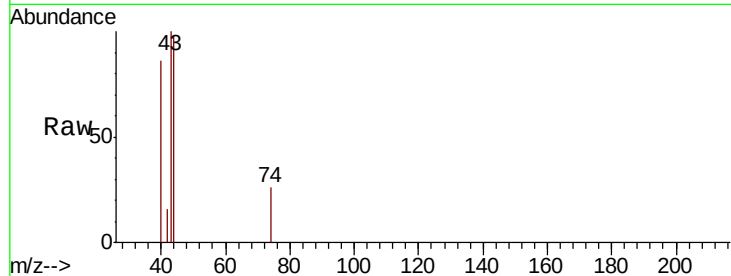




#18
Methvl Acetate
Concen: 1.352 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

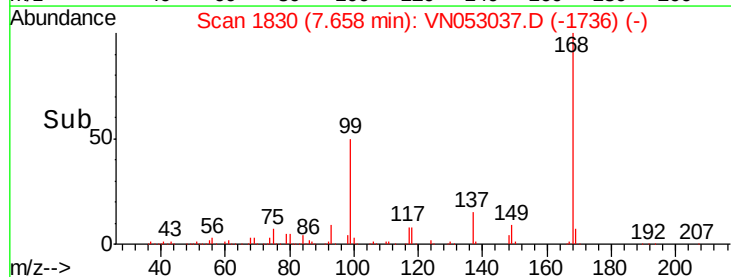
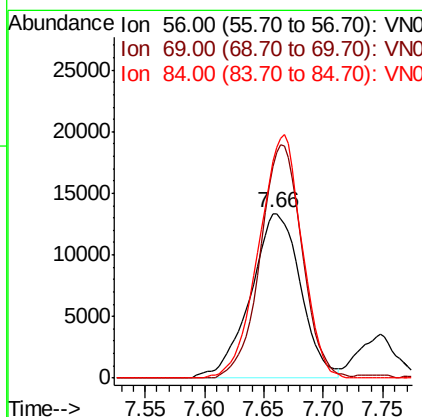
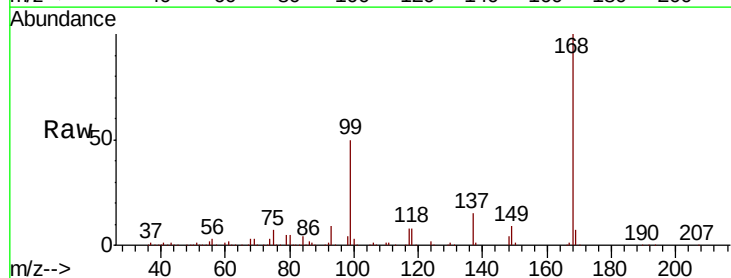
Instrument :
MSVOA_N
ClientSampled :

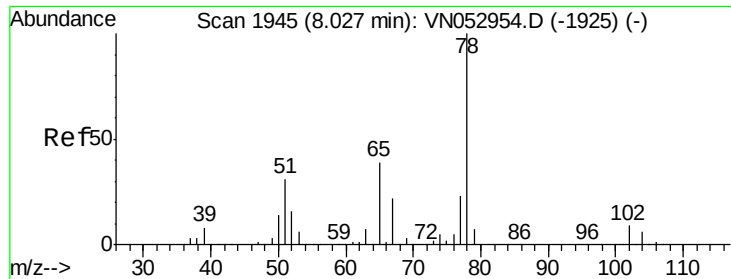
Tot Ion: 43 Resp: 4549
Ion Ratio Lower Upper
43 100
74 14.0 19.2 28.8#



#31
Cyclohexane
Concen: 0.574 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Tgt Ion: 56 Resp: 38901
Ion Ratio Lower Upper
56 100
69 128.4 26.6 39.8#
84 131.4 68.4 102.6#

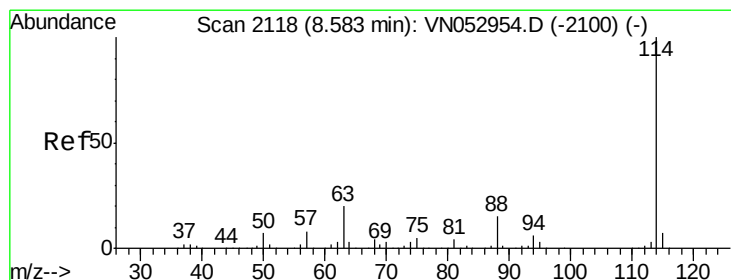
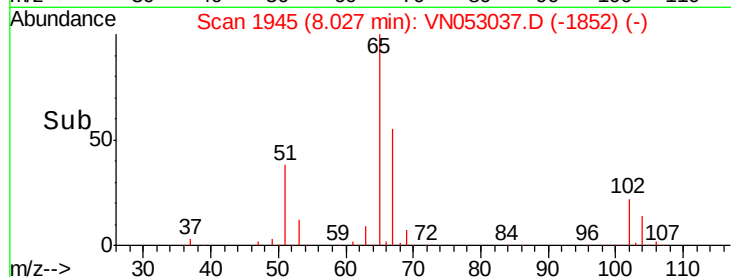
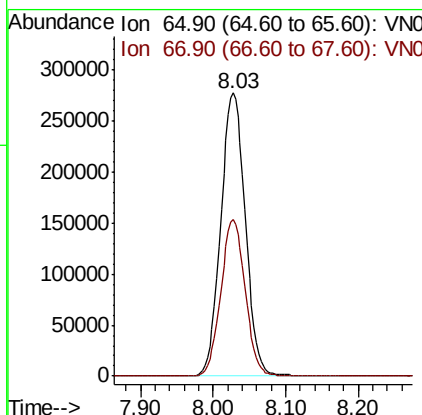
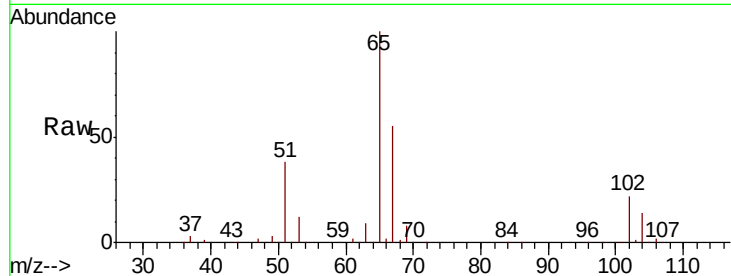




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053037.D
 Acq: 20 Dec 2018 3:43

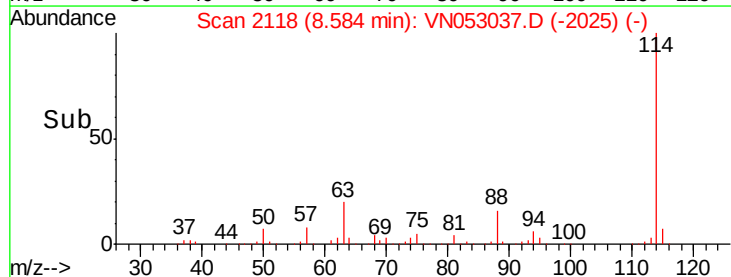
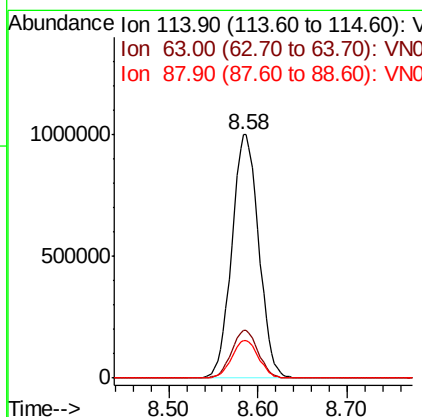
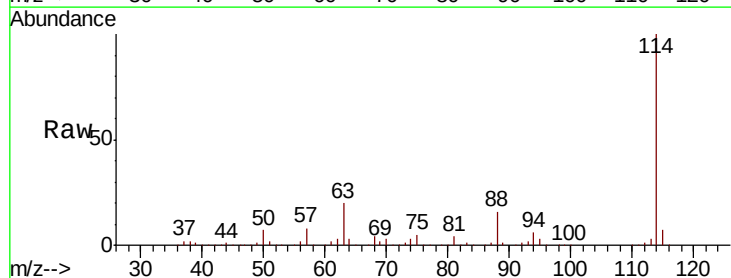
Instrument :
 MSVOA_N
 ClientSampled :

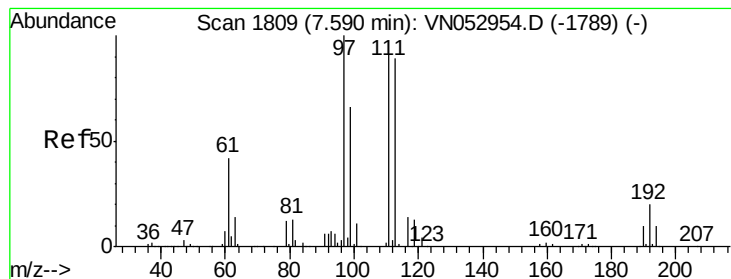
Tot Ion: 65 Resp: 653833
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN053037.D
 Acq: 20 Dec 2018 3:43

Tgt Ion: 114 Resp: 2083963
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

ClientSampled :

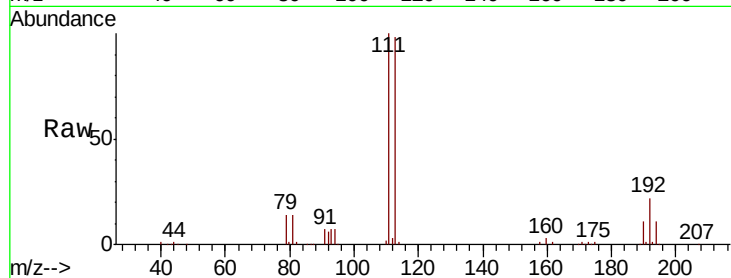
Tot Ion:113 Resp: 533573

Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.4

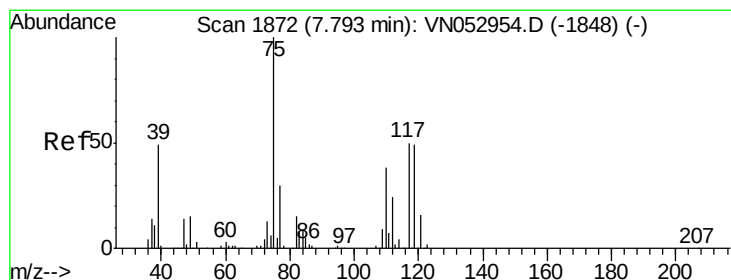
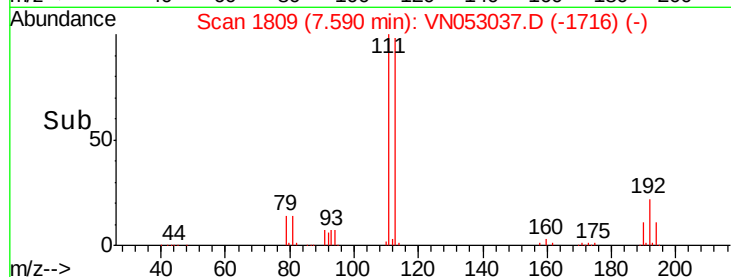
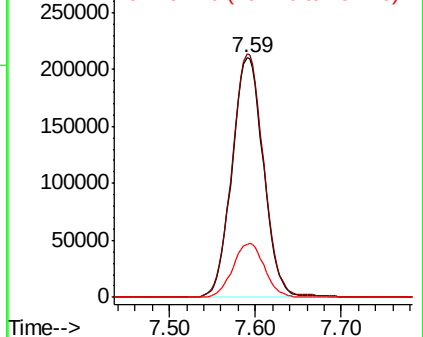
192 22.7 17.5 26.3



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: 4.471 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

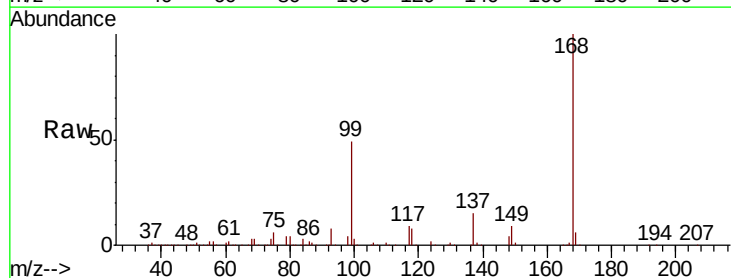
Tgt Ion: 75 Resp: 89424

Ion Ratio Lower Upper

75 100

110 8.4 18.2 54.6#

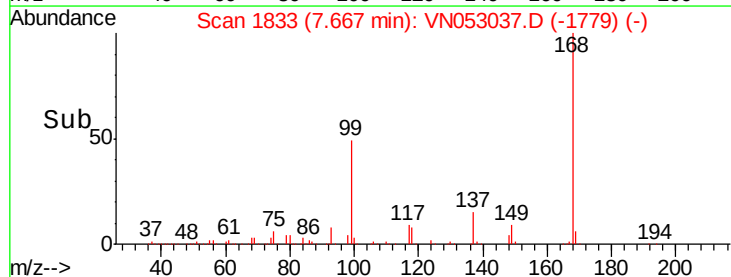
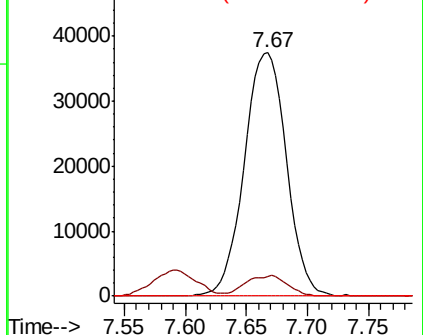
77 0.1 24.9 37.3#

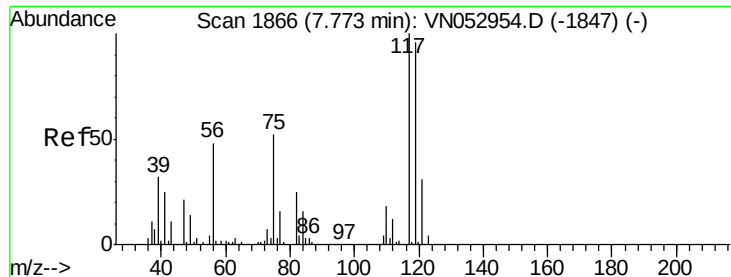


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.404 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

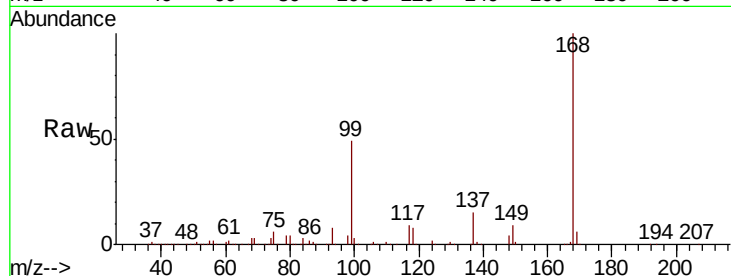
Tot Ion:117 Resp: 117419

Ion Ratio Lower Upper

117 100

119 4.6 77.1 115.7#

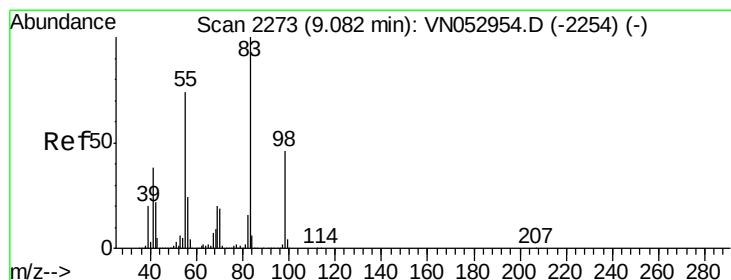
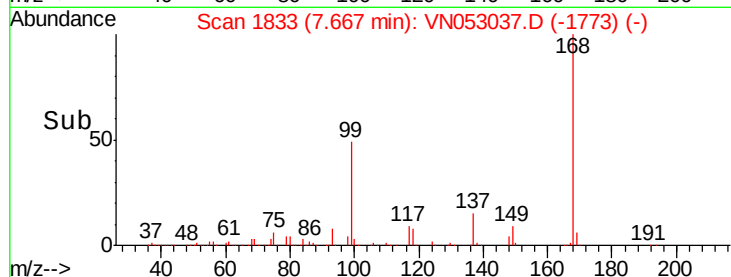
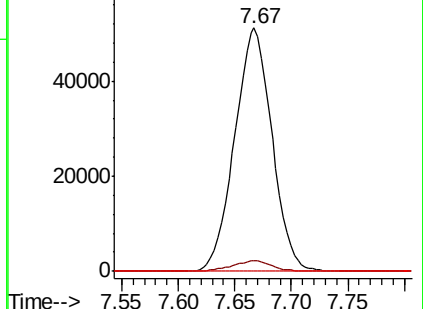
121 0.0 24.9 37.3#



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: 5.239 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

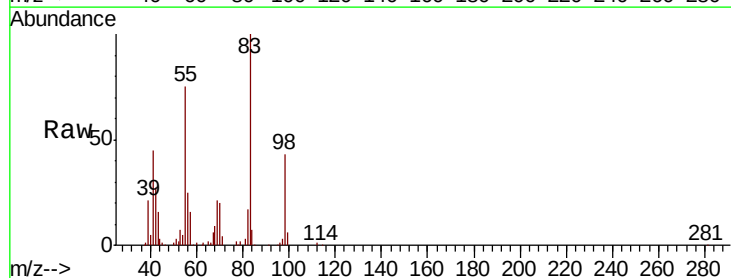
Tgt Ion: 83 Resp: 127300

Ion Ratio Lower Upper

83 100

55 75.0 61.3 91.9

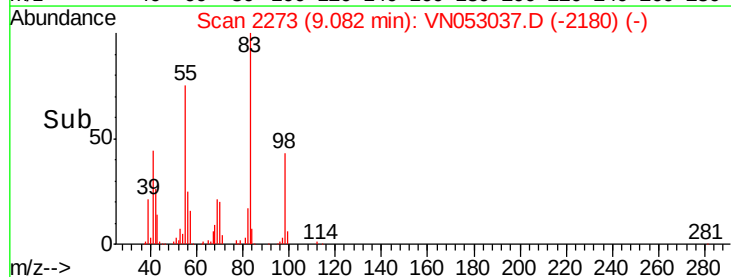
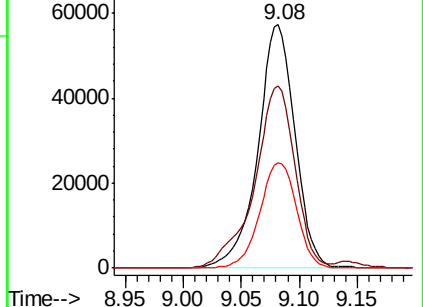
98 43.5 37.0 55.4

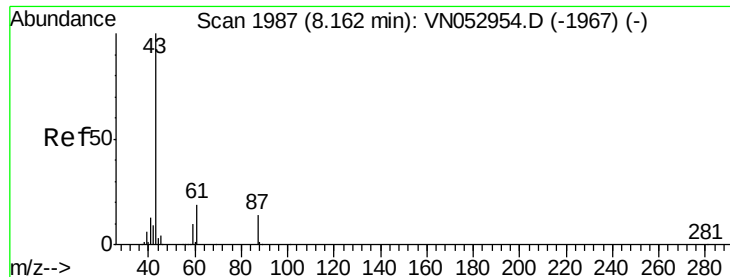


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#43

Isopropyl Acetate

Concen: 8.815 ug/l

RT: 8.34 min Scan# 2041

Delta R.T. 0.17 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

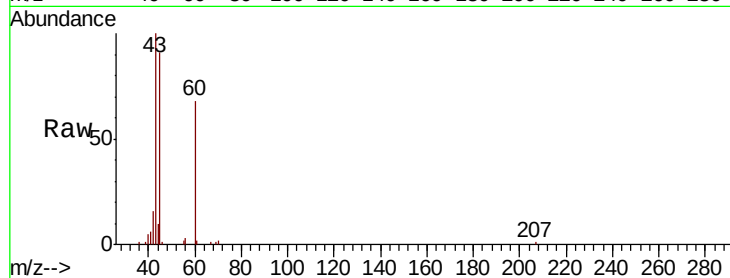
Tot Ion: 43 Resp: 209075

Ion Ratio Lower Upper

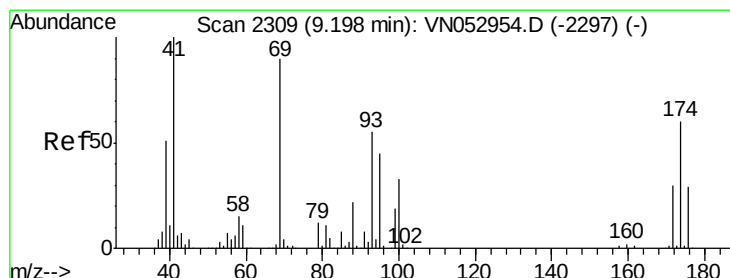
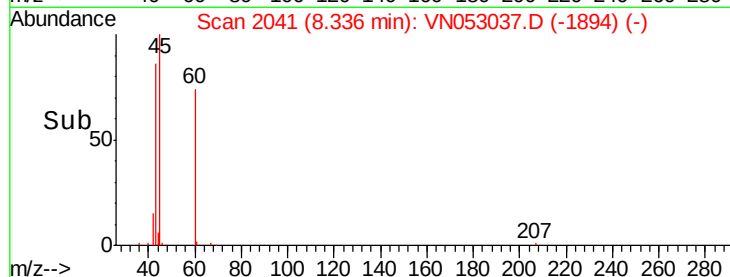
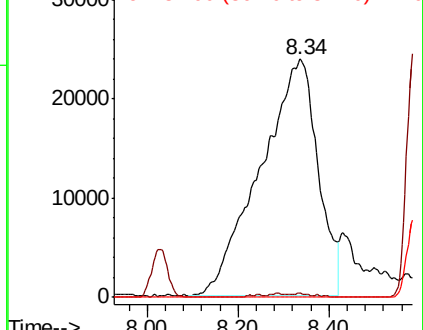
43 100

61 0.0 22.9 34.3#

87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 0.759 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. -0.05 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

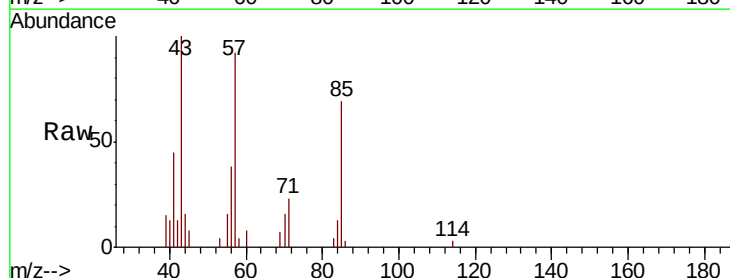
Tgt Ion: 41 Resp: 8226

Ion Ratio Lower Upper

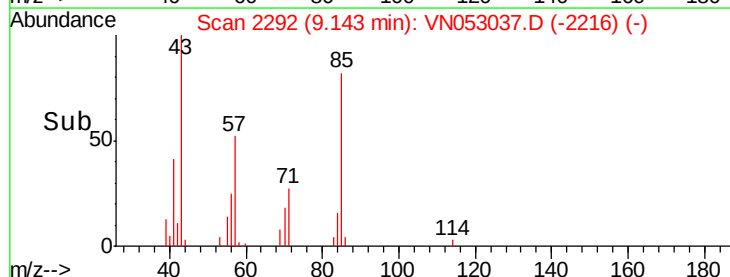
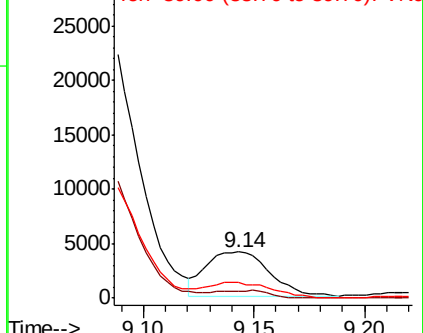
41 100

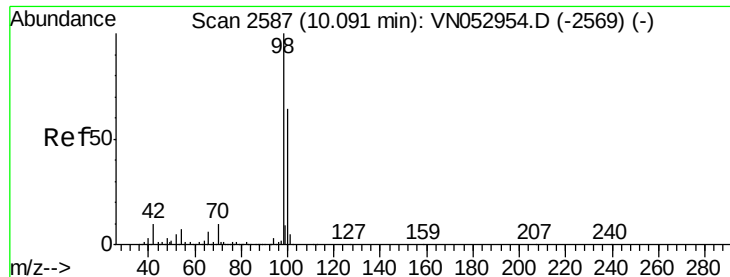
69 0.0 72.2 108.2#

39 34.8 41.9 62.9#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

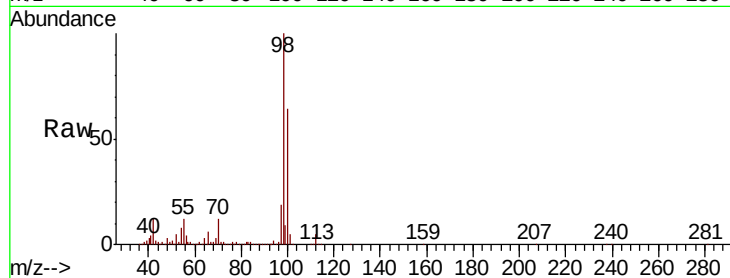
ClientSampled :

Tot Ion: 98 Resp: 2657938

Ion Ratio Lower Upper

98 100

100 63.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

1500000

1000000

500000

0

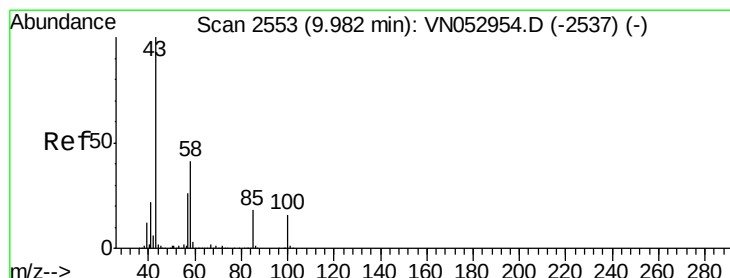
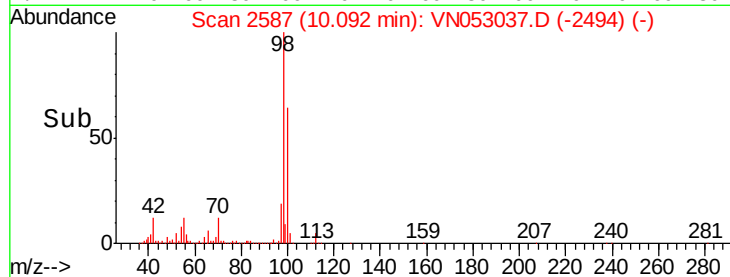
10.09

10.00

10.10

10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 3.918 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.11 min

Lab File: VN053037.D

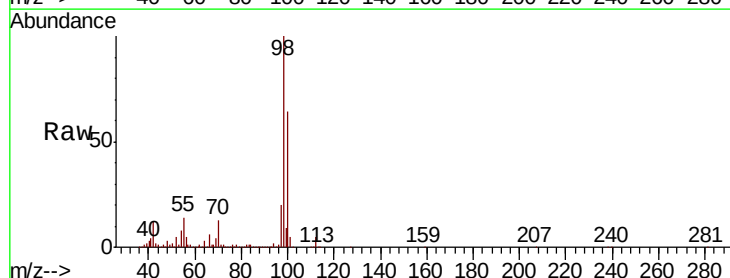
Acq: 20 Dec 2018 3:43

Tgt Ion: 43 Resp: 42363

Ion Ratio Lower Upper

43 100

58 49.0 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

25000

20000

15000

10000

5000

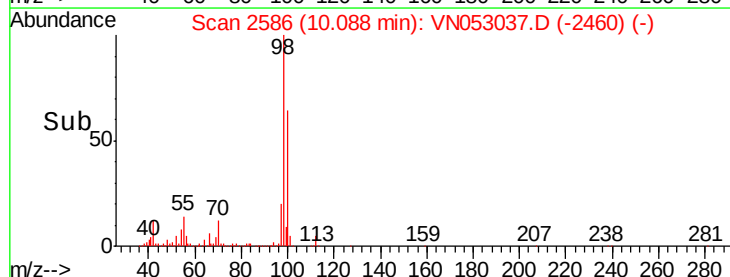
0

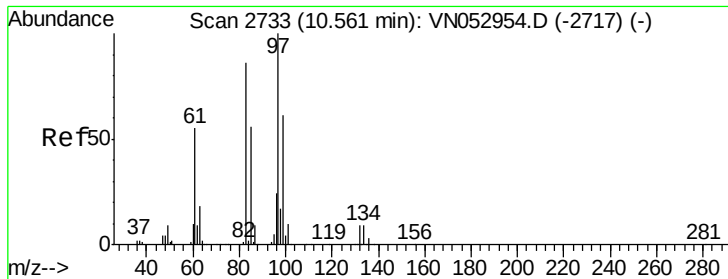
10.09

10.05

10.10

Time-->

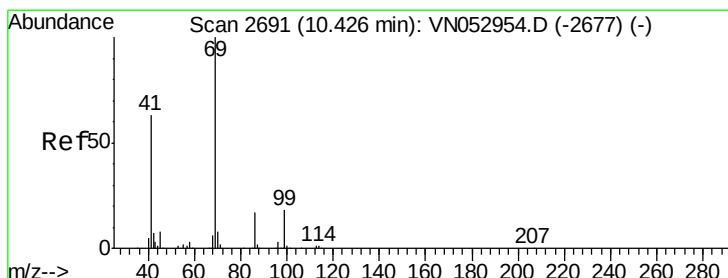
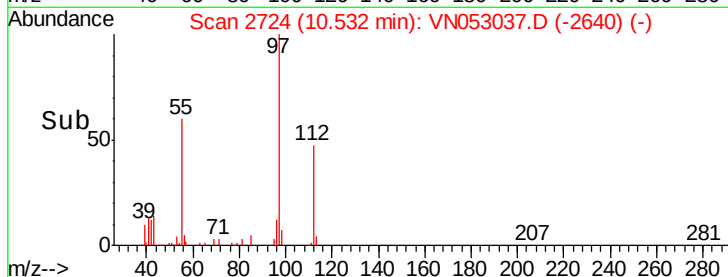
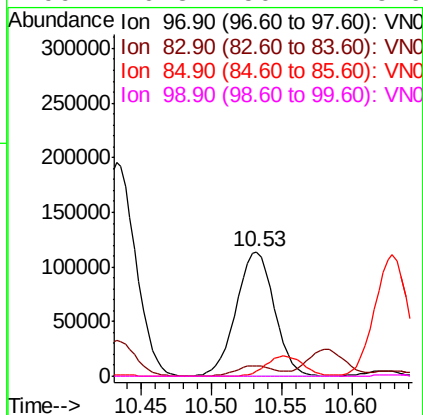
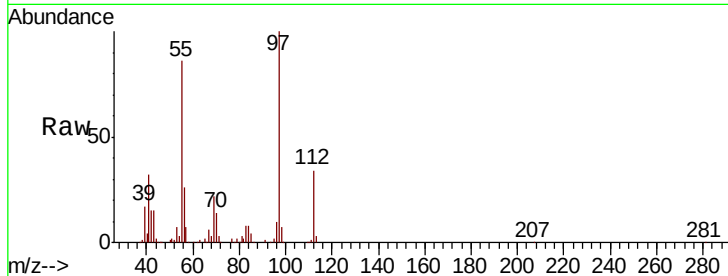




#55
1,1,2-Trichloroethane
Concen: 16.646 ug/l
RT: 10.53 min Scan# 2724
Delta R.T. -0.03 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

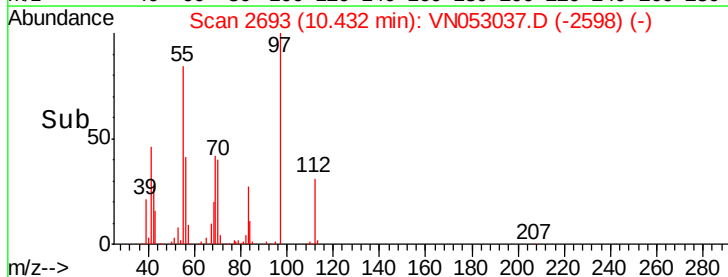
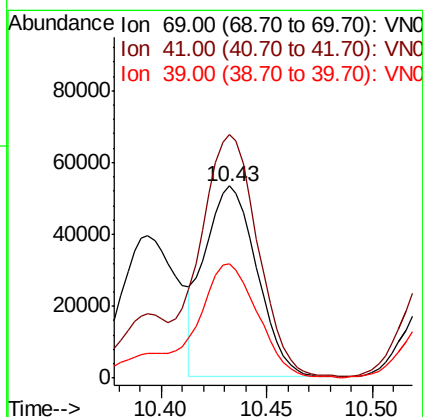
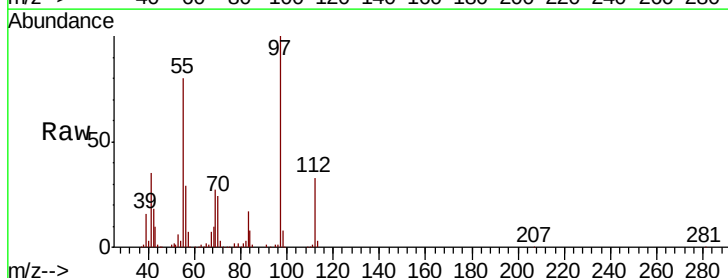
Instrument :
MSVOA_N
ClientSampled :

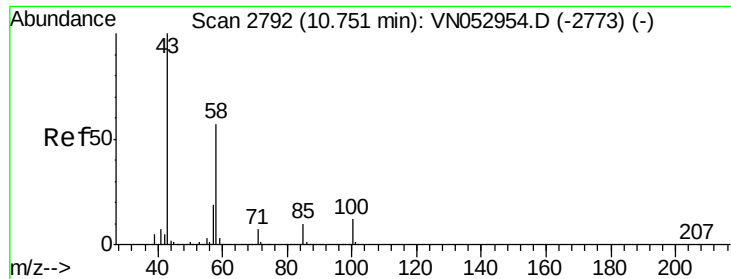
Tot Ion: 97 Resp: 214159
Ion Ratio Lower Upper
97 100
83 8.1 70.9 106.3#
85 4.1 45.4 68.2#
99 0.3 50.4 75.6#



#56
Ethyl methacrylate
Concen: 5.369 ug/l
RT: 10.43 min Scan# 2693
Delta R.T. 0.01 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Tgt Ion: 69 Resp: 91425
Ion Ratio Lower Upper
69 100
41 139.9 51.7 77.5#
39 81.7 24.6 37.0#

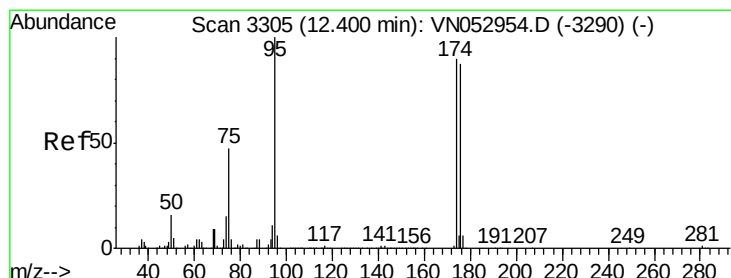
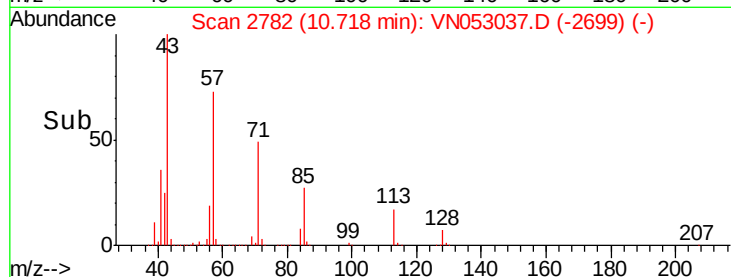
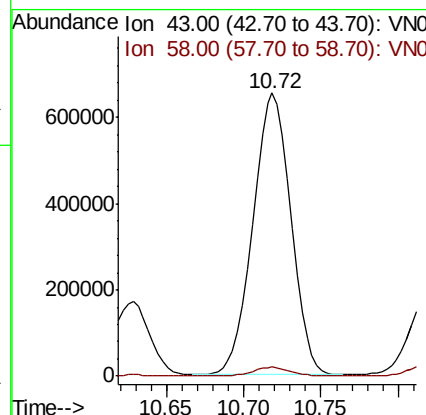
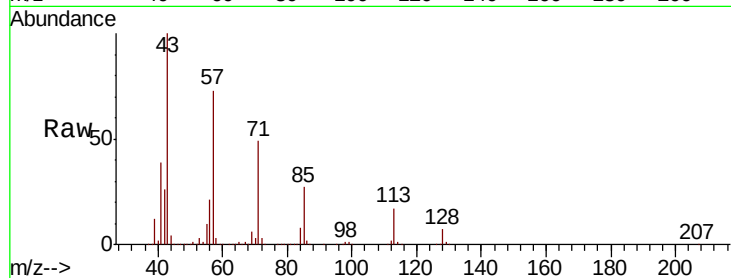




#59
2-Hexanone
Concen: 152.559 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

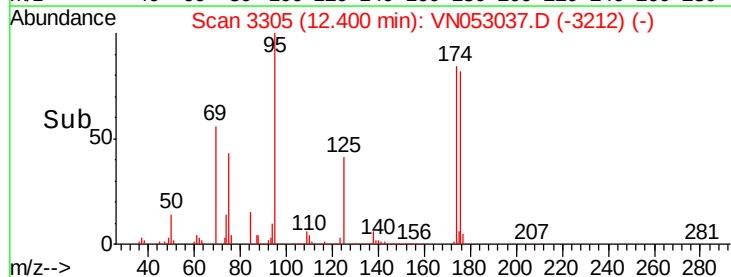
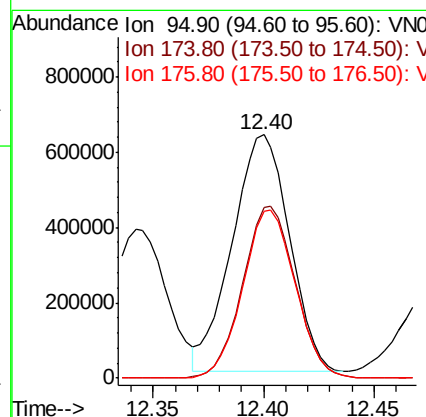
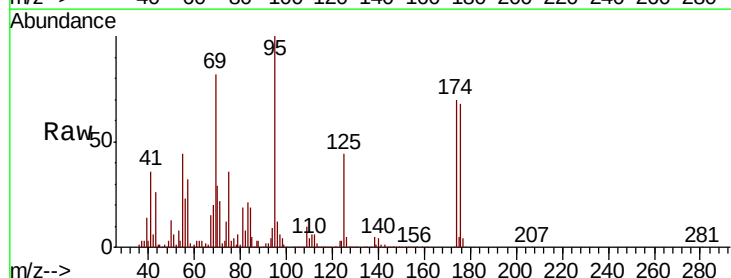
Instrument :
MSVOA_N
ClientSampleId :

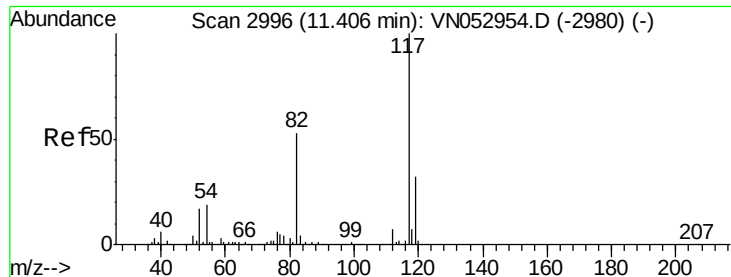
Tot Ion: 43 Resp: 1116181
Ion Ratio Lower Upper
43 100
58 3.2 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Tgt Ion: 95 Resp: 1134802
Ion Ratio Lower Upper
95 100
174 66.5 0.0 178.8
176 64.9 0.0 173.8

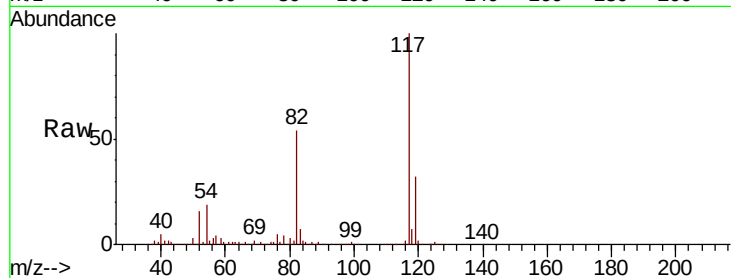




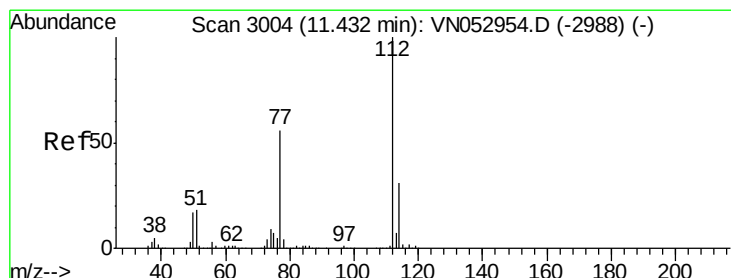
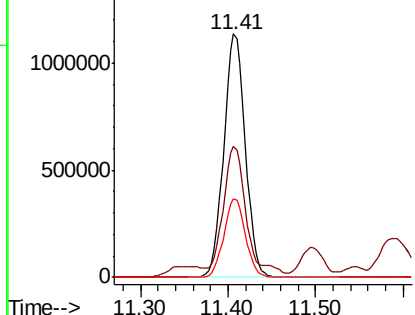
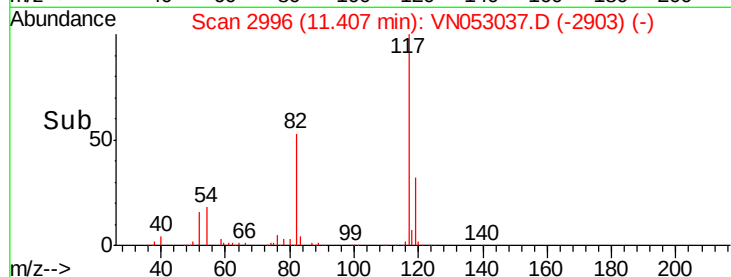
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1932830
Ion Ratio Lower Upper
117 100
82 51.8 42.8 64.2
119 32.2 25.5 38.3

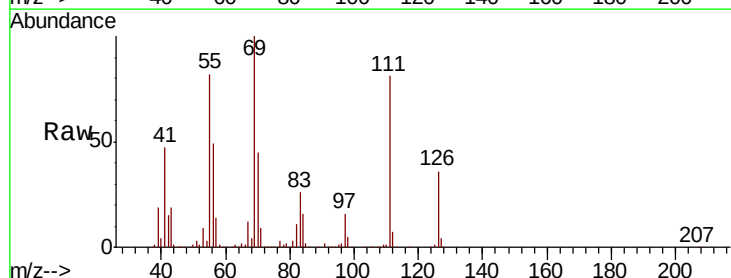


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

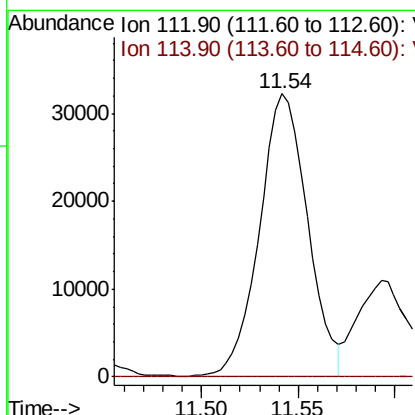
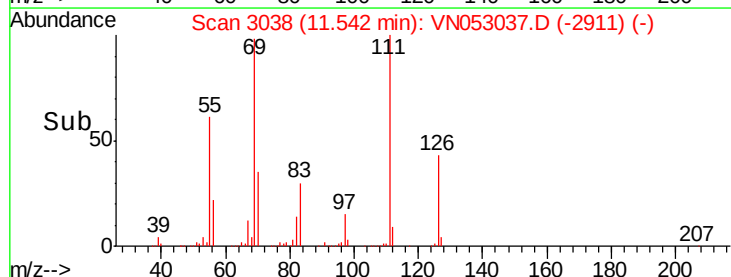


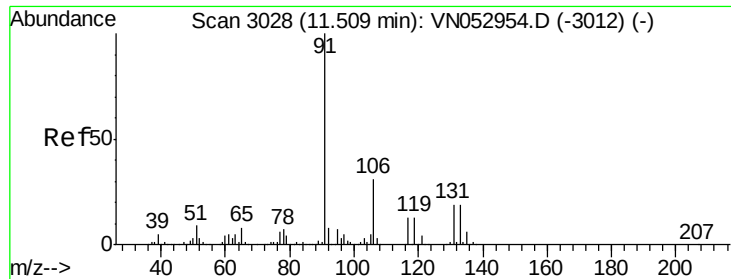
#65
Chlorobenzene
Concen: 1.306 ug/l
RT: 11.54 min Scan# 3038
Delta R.T. 0.11 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Tgt Ion:112 Resp: 55968
Ion Ratio Lower Upper
112 100
114 0.0 25.5 38.3#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

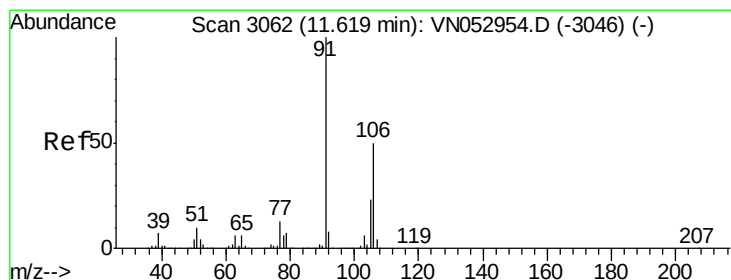
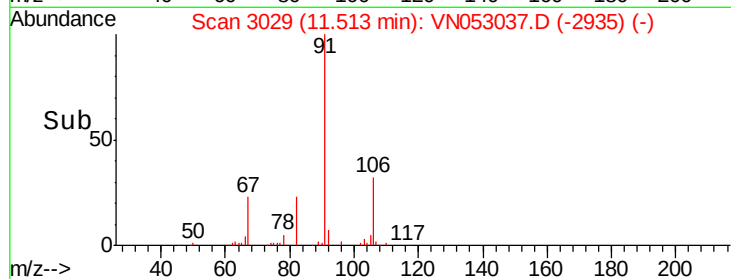
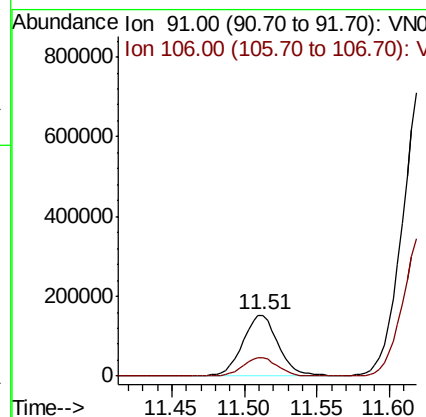
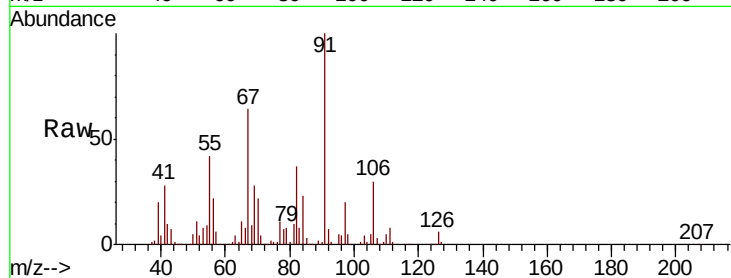




#67
Ethyl Benzene
Concen: 3.523 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

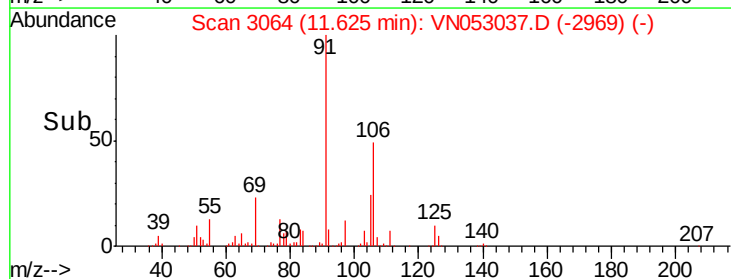
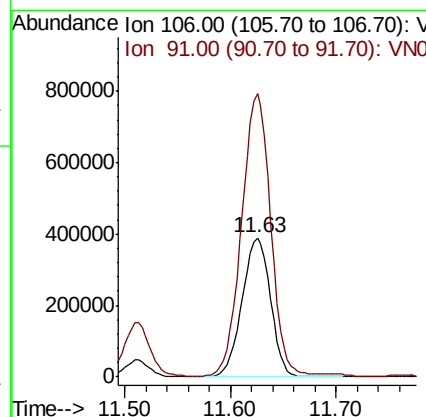
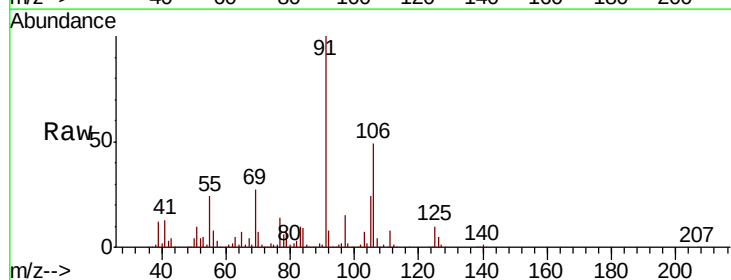
Instrument :
MSVOA_N
ClientSampled :

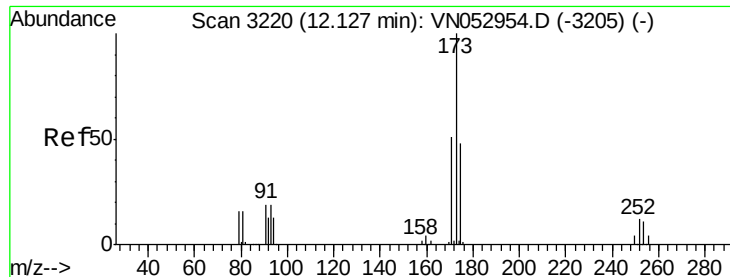
Tot Ion: 91 Resp: 259581
Ion Ratio Lower Upper
91 100
106 30.5 24.9 37.3



#68
m/p-Xylenes
Concen: 25.924 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Tgt Ion: 106 Resp: 726153
Ion Ratio Lower Upper
106 100
91 207.6 162.2 243.4

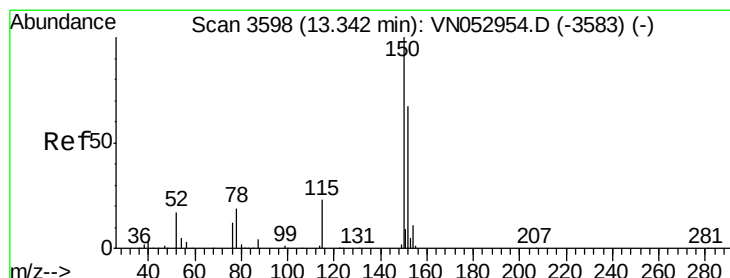
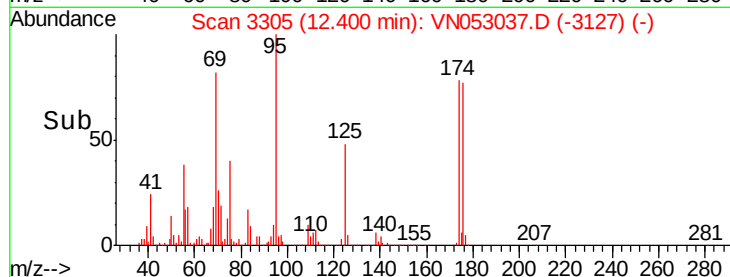
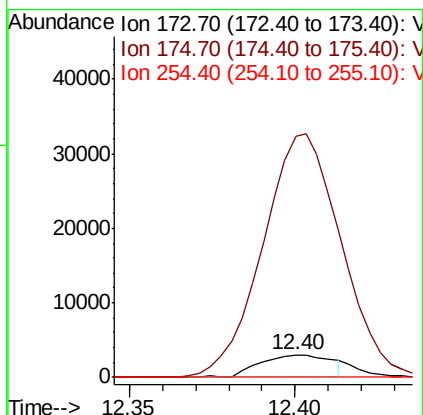
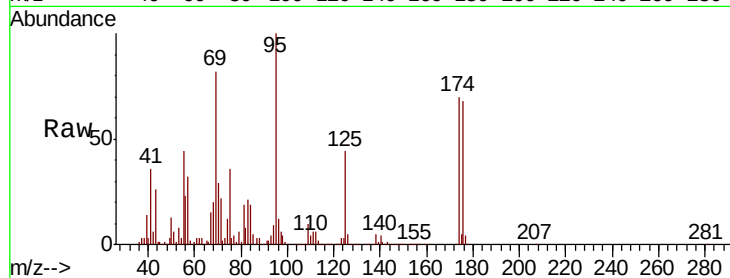




#71
Bromoform
Concen: 0.419 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

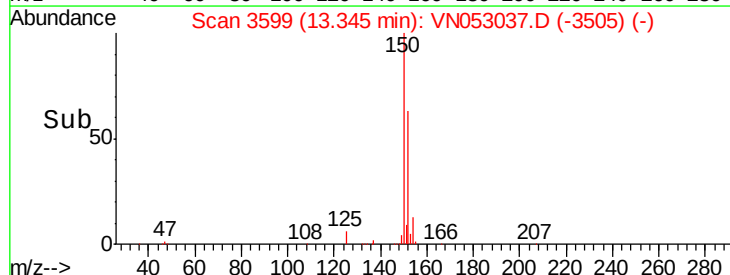
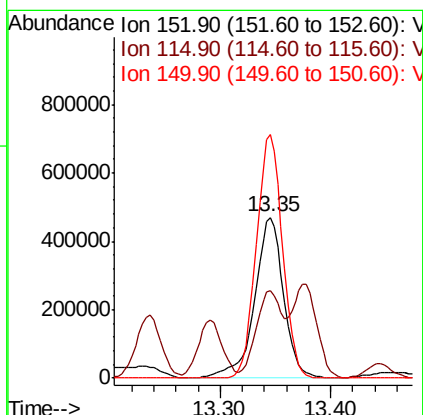
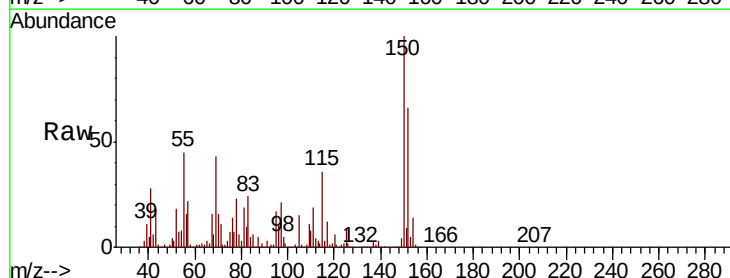
Instrument :
MSVOA_N
ClientSampled :

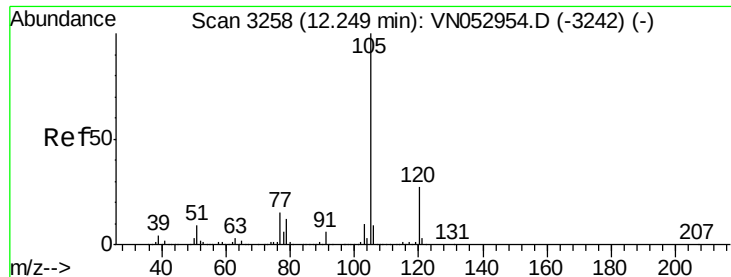
Tot Ion:173 Resp: 4511
Ion Ratio Lower Upper
173 100
175 1034.3 24.3 72.9#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Tgt Ion:152 Resp: 842934
Ion Ratio Lower Upper
152 100
115 45.8 28.3 85.0
150 138.2 0.0 347.8





#73

Isopropylbenzene

Concen: 42.664 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

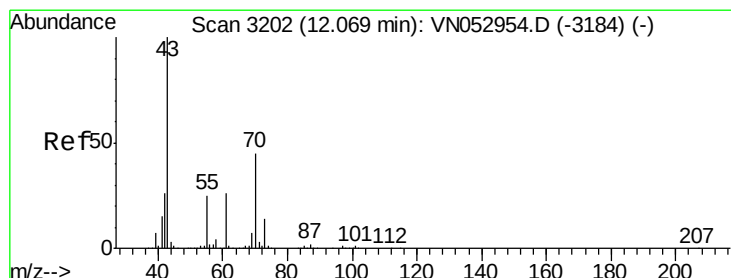
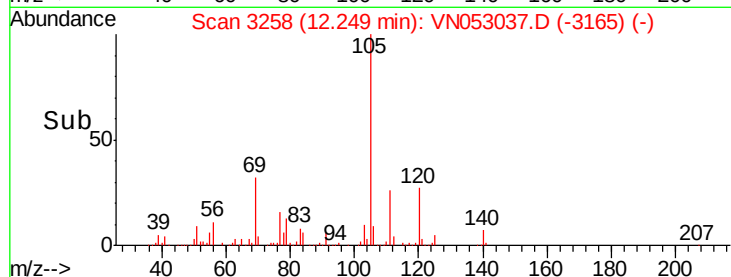
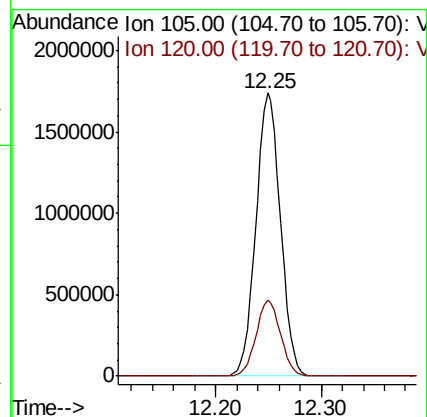
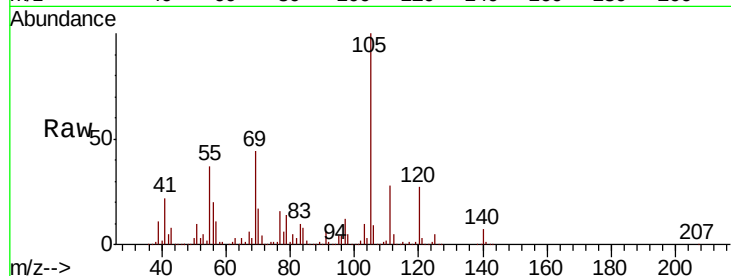
ClientSampleId :

Tot Ion:105 Resp: 2813799

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 178.763 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Tgt Ion: 43 Resp: 3273288

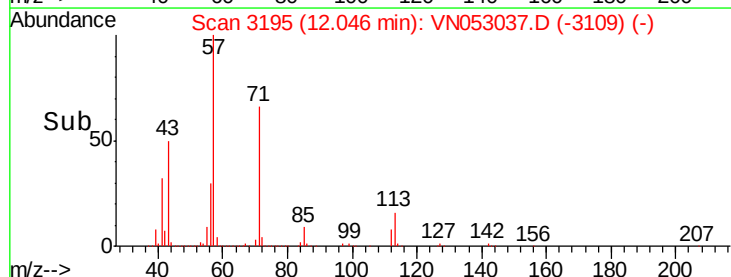
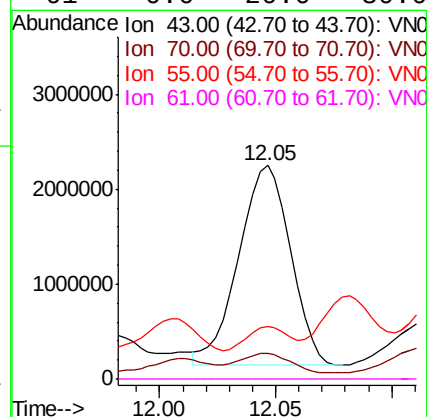
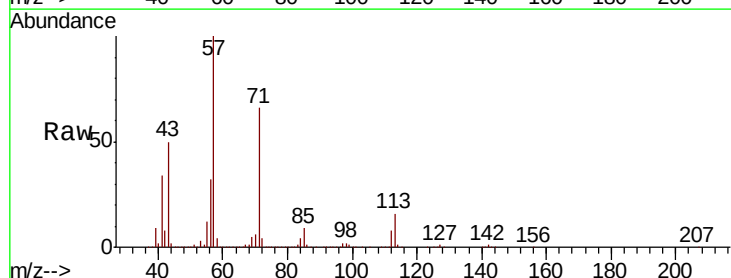
Ion Ratio Lower Upper

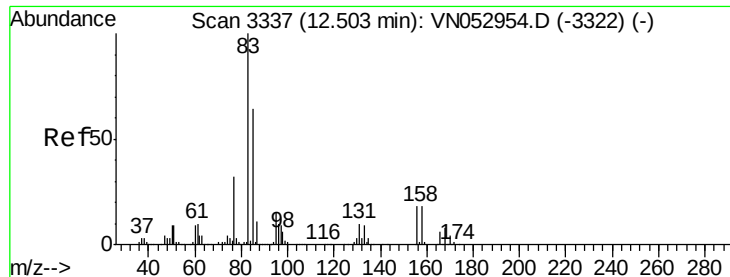
43 100

70 9.3 34.2 51.4#

55 19.2 20.3 30.5#

61 0.0 20.0 30.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 23.945 ug/l

RT: 12.47 min Scan# 3328

Delta R.T. -0.03 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

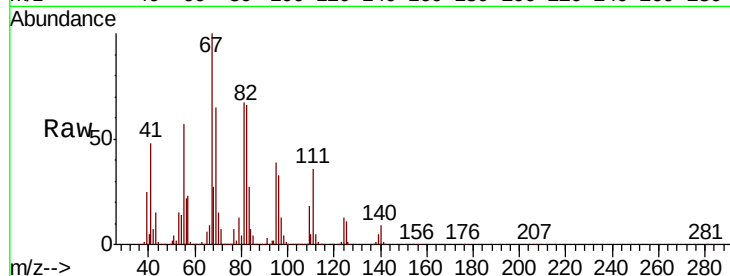
Tot Ion: 83 Resp: 309820

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

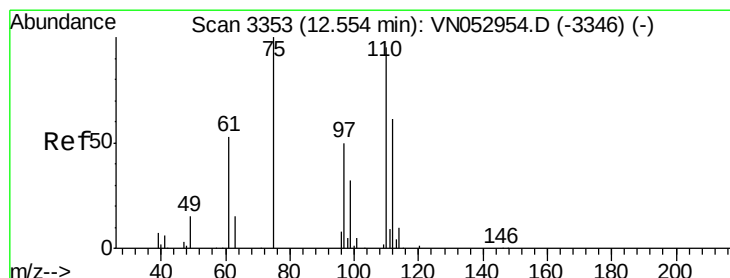
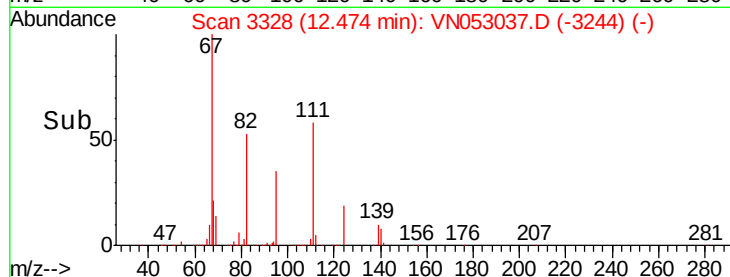
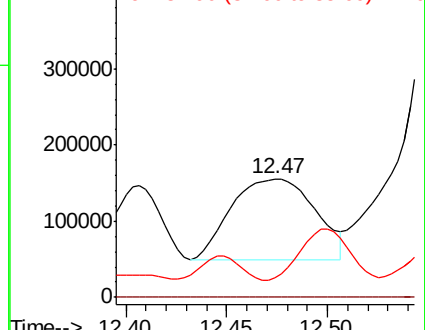
85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 2.585 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN053037.D

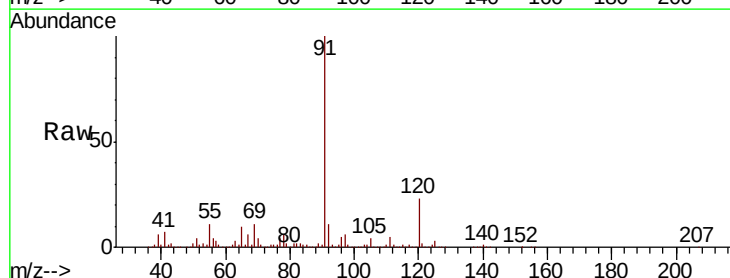
Acq: 20 Dec 2018 3:43

Tgt Ion: 75 Resp: 36686

Ion Ratio Lower Upper

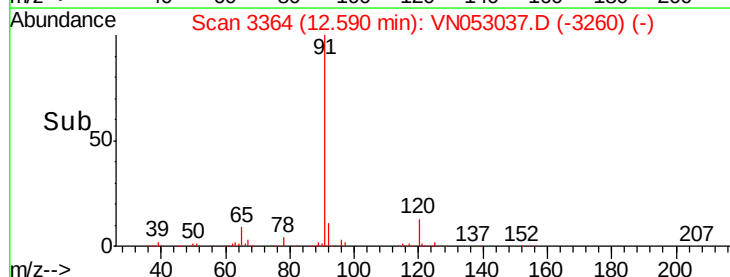
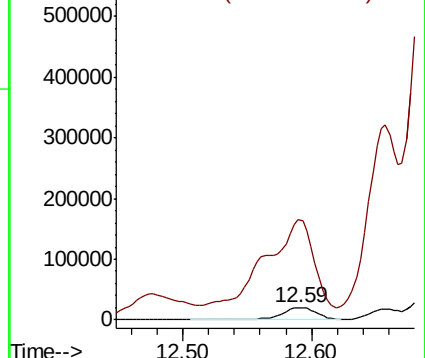
75 100

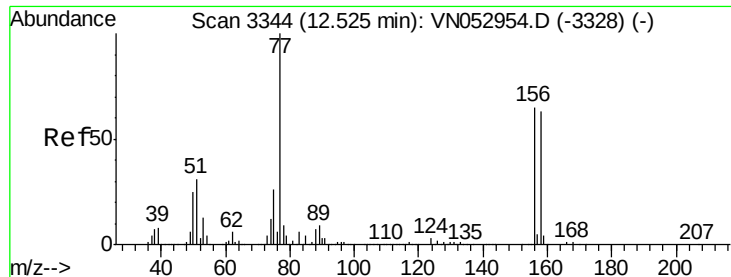
77 955.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.204 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.02 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

ClientSampled :

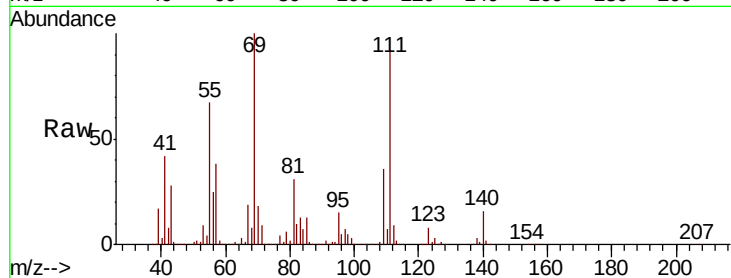
Tot Ion:156 Resp: 3493

Ion Ratio Lower Upper

156 100

77 0.0 91.3 273.8#

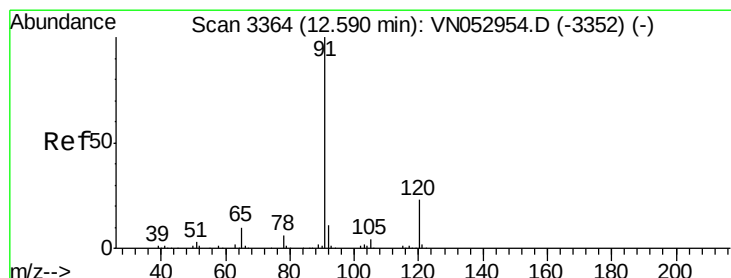
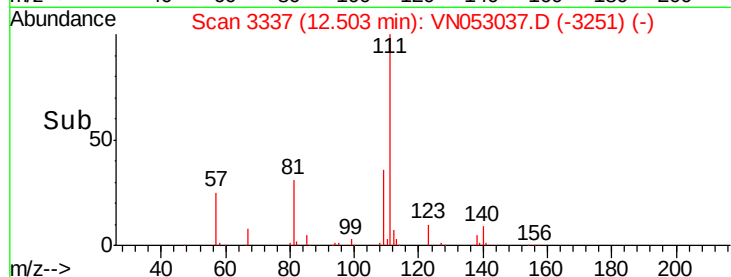
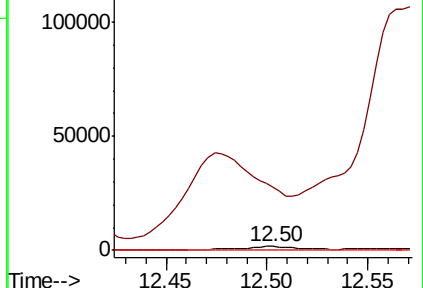
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 85.640 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053037.D

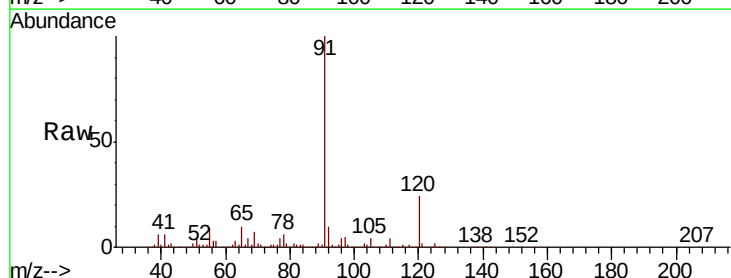
Acq: 20 Dec 2018 3:43

Tgt Ion: 91 Resp: 6432724

Ion Ratio Lower Upper

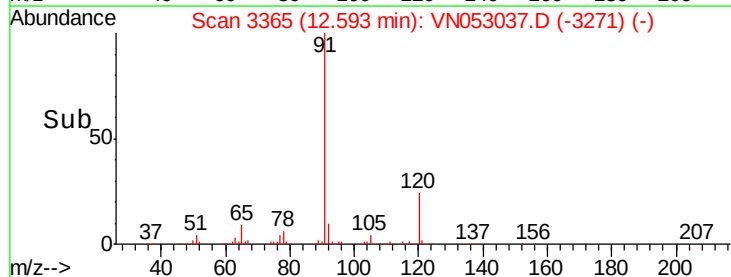
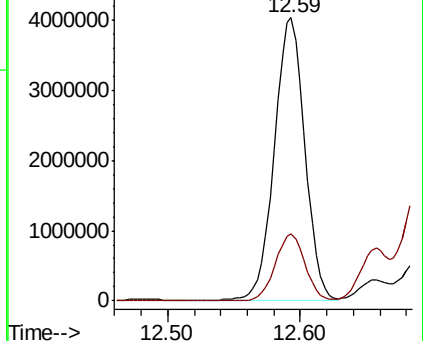
91 100

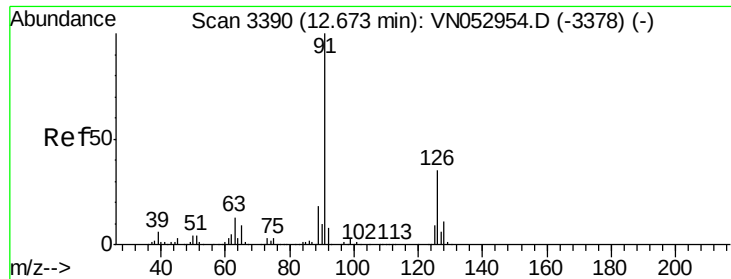
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

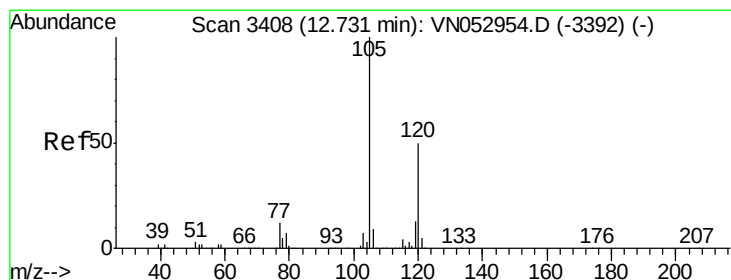
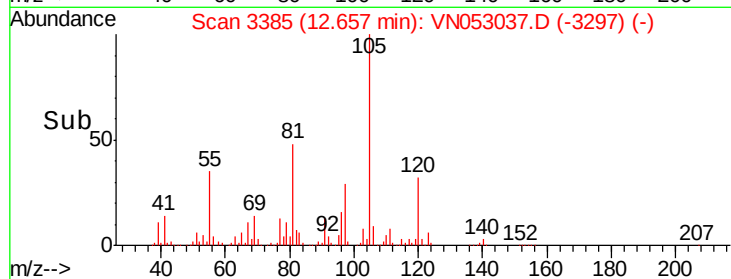
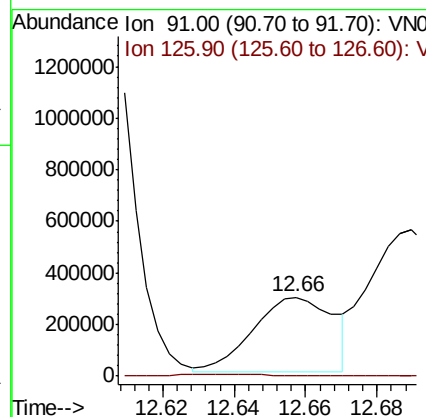
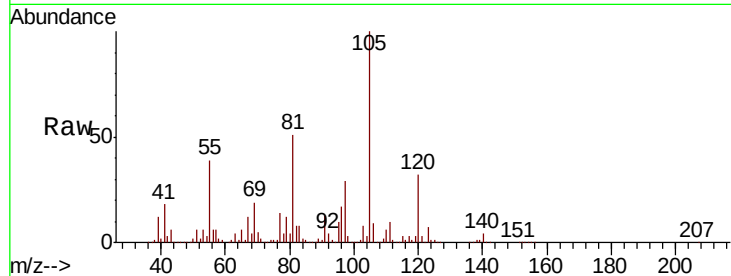




#79
 2-Chlorotoluene
 Concen: 9.753 ug/l
 RT: 12.66 min Scan# 3385
 Delta R.T. -0.02 min
 Lab File: VN053037.D
 Acq: 20 Dec 2018 3:43

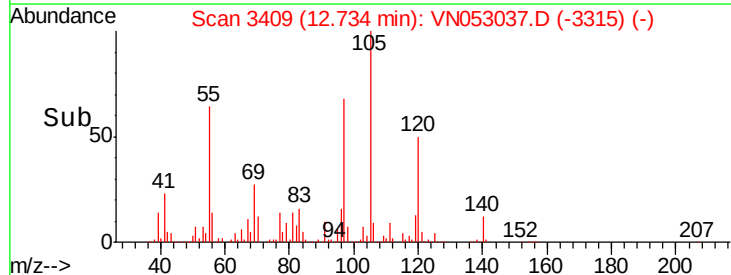
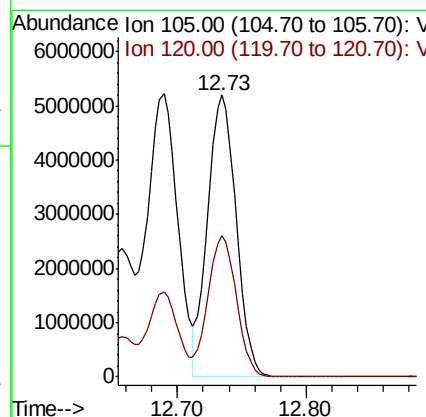
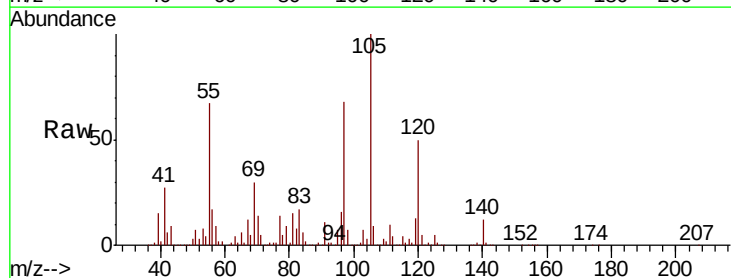
Instrument :
 MSVOA_N
 ClientSampled :

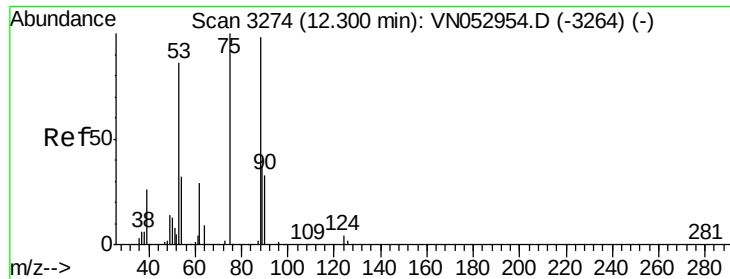
Tot Ion: 91 Resp: 454087
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.4 52.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 148.443 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053037.D
 Acq: 20 Dec 2018 3:43

Tgt Ion: 105 Resp: 7979799
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 6.458 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

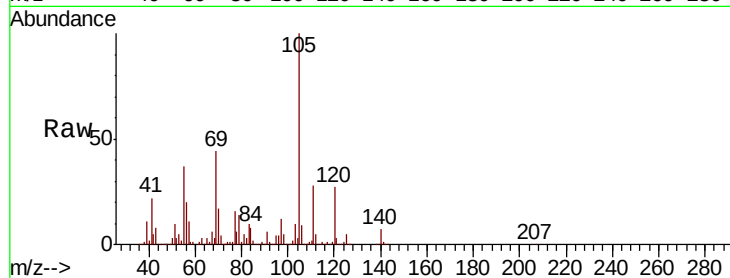
Tot Ion: 75 Resp: 28433

Ion Ratio Lower Upper

75 100

53 217.5 74.7 112.1#

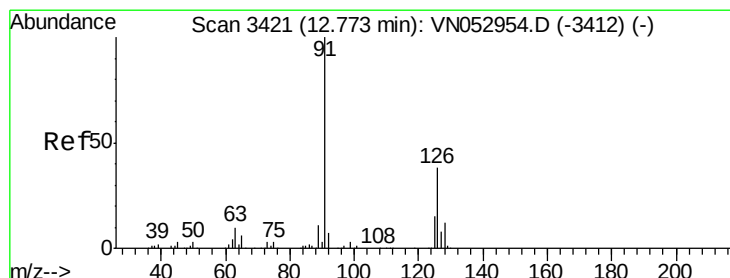
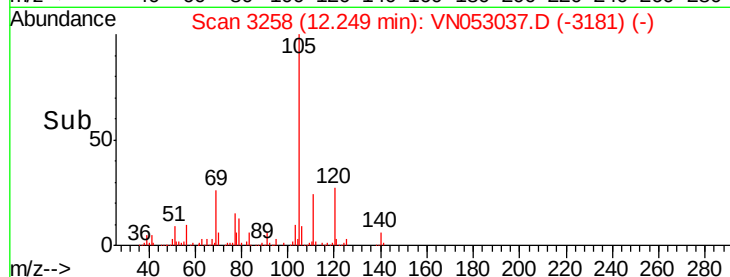
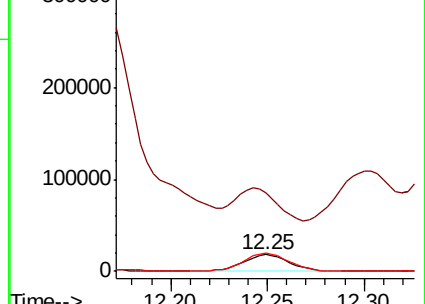
89 110.1 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 17.928 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053037.D

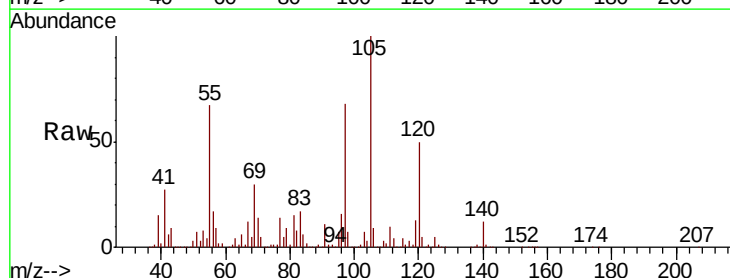
Acq: 20 Dec 2018 3:43

Tgt Ion: 91 Resp: 817113

Ion Ratio Lower Upper

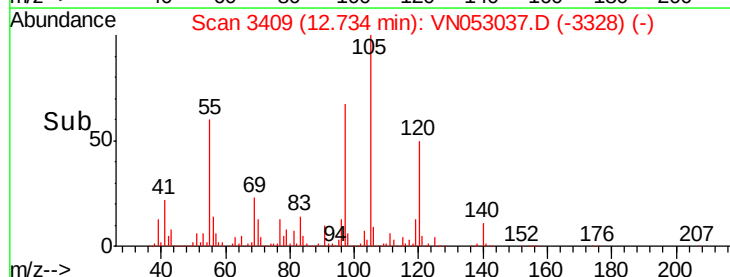
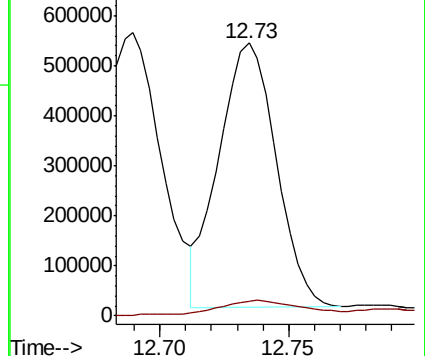
91 100

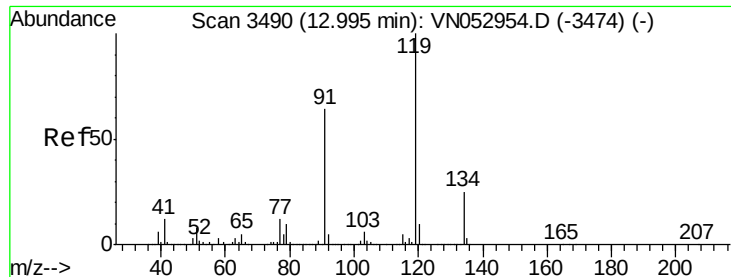
126 7.8 17.3 51.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

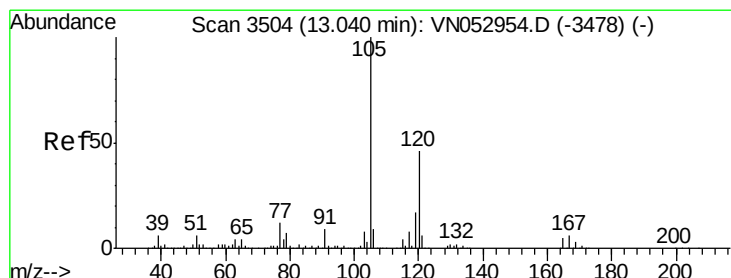
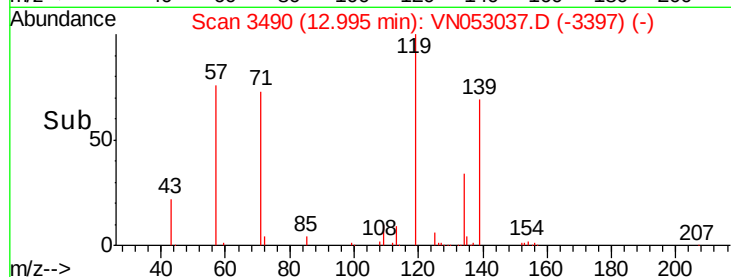
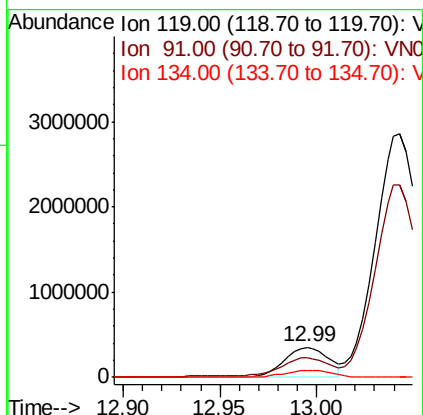
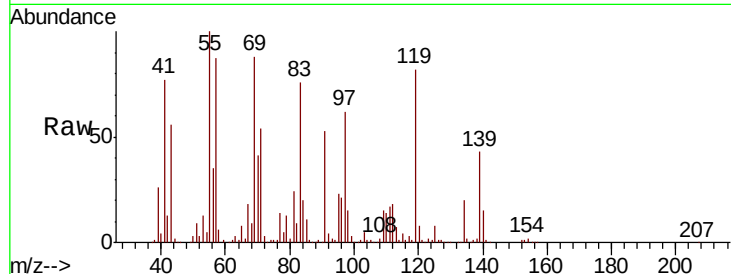




#83
tert-Butylbenzene
Concen: 11.862 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

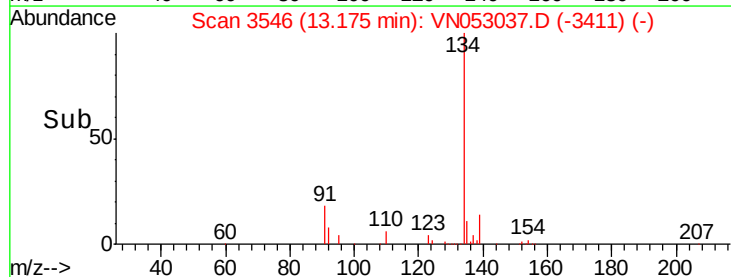
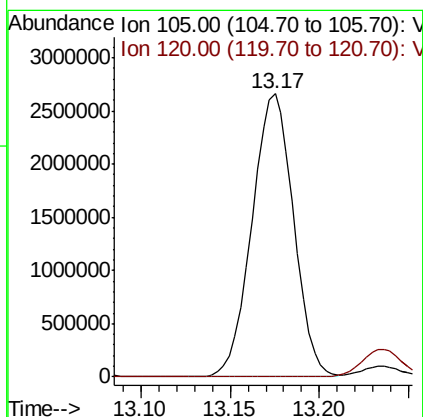
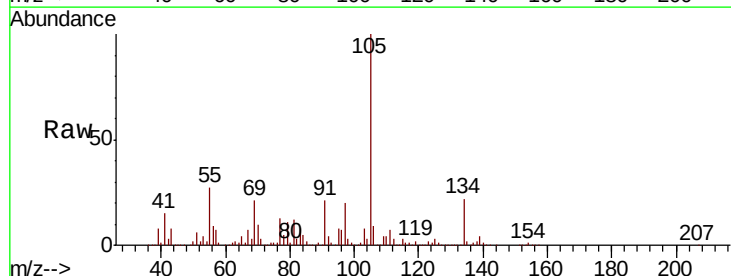
Instrument :
MSVOA_N
ClientSampled :

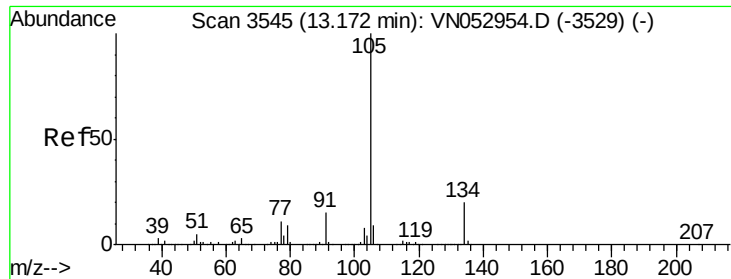
Tot Ion:119 Resp: 563946
Ion Ratio Lower Upper
119 100
91 68.5 31.9 95.5
134 25.2 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 79.851 ug/l
RT: 13.17 min Scan# 3546
Delta R.T. 0.14 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Tgt Ion:105 Resp: 4315210
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.8#





#85

sec-Butylbenzene

Concen: 67.104 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

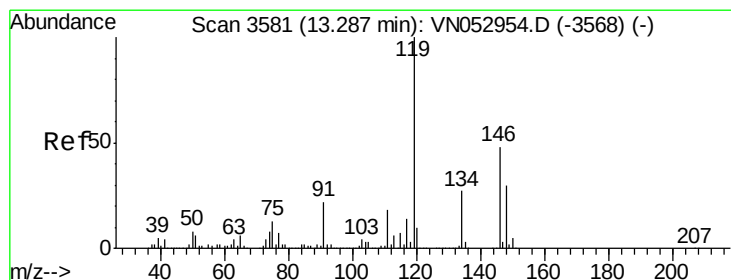
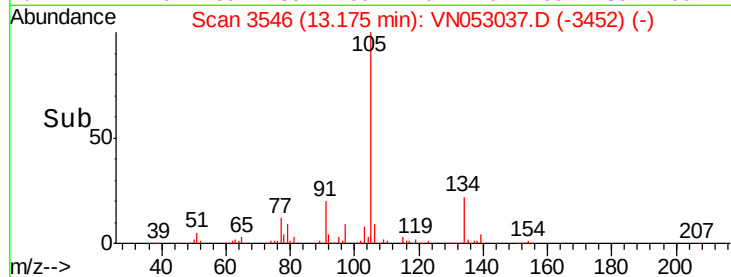
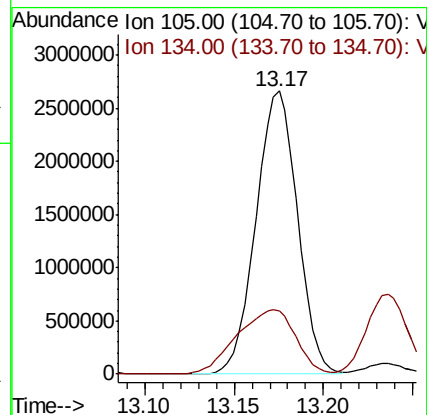
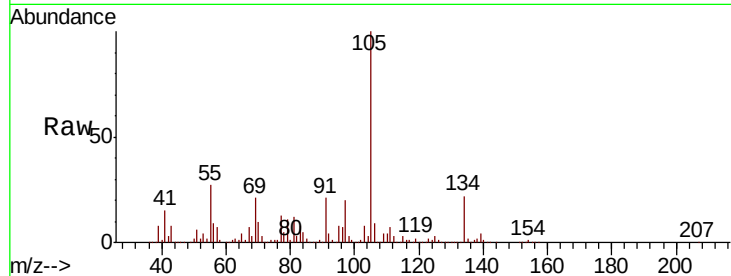
ClientSampleId :

Tot Ion:105 Resp: 4315210

Ion Ratio Lower Upper

105 100

134 32.1 10.1 30.3#



#86

p-Isopropyltoluene

Concen: 66.172 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

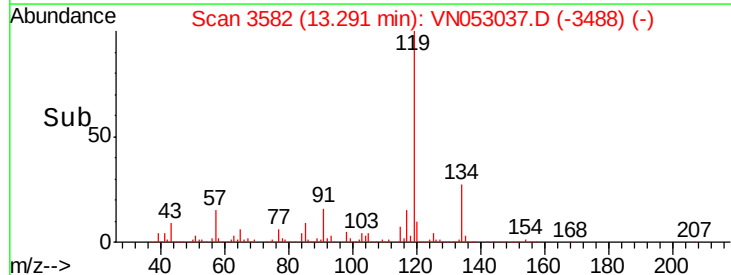
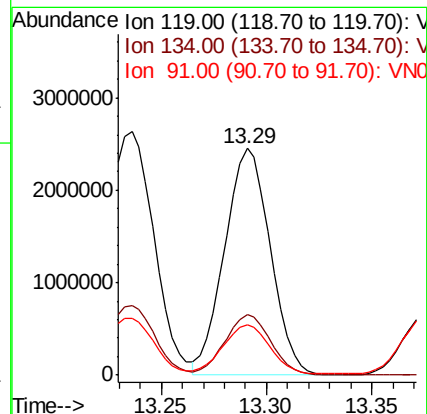
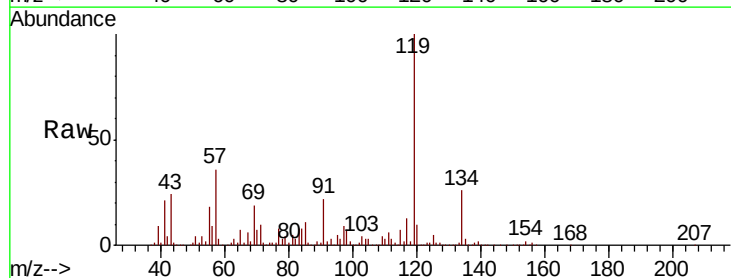
Tgt Ion:119 Resp: 3676925

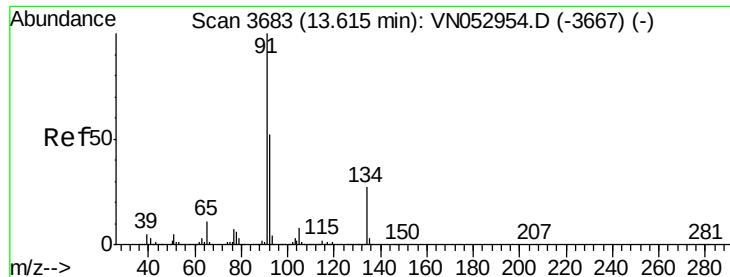
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.2 11.1 33.3





#89

n-Butylbenzene

Concen: 114.042 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

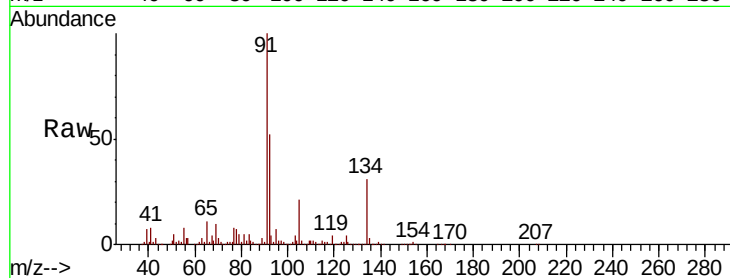
Tot Ion: 91 Resp: 5451681

Ion Ratio Lower Upper

91 100

92 41.7 26.3 78.9

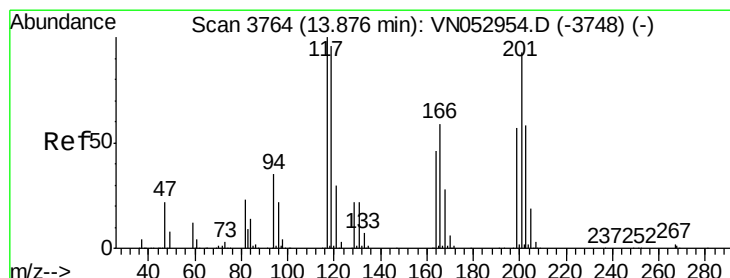
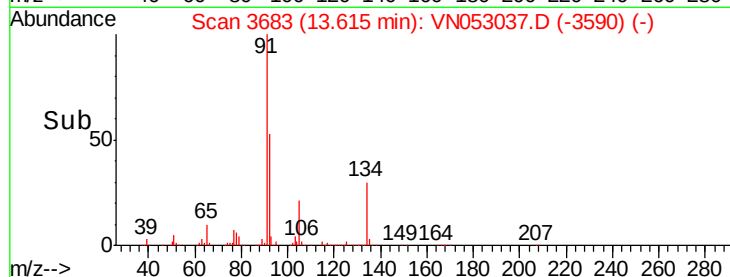
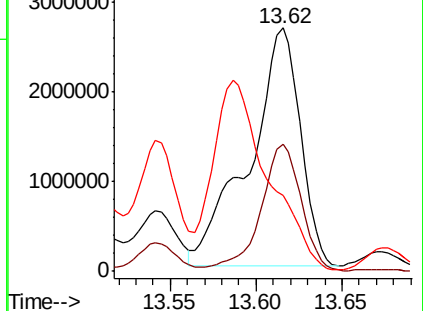
134 0.0 13.3 39.8#



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 61.888 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053037.D

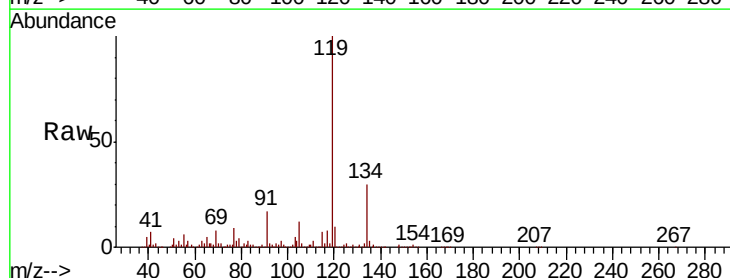
Acq: 20 Dec 2018 3:43

Tgt Ion: 117 Resp: 527724

Ion Ratio Lower Upper

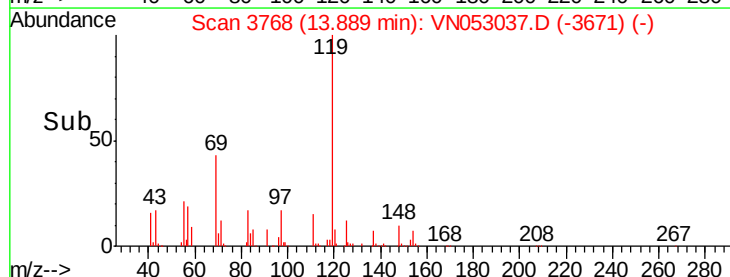
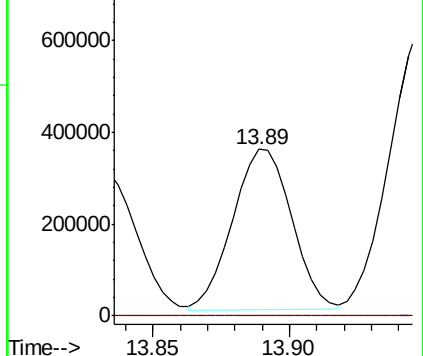
117 100

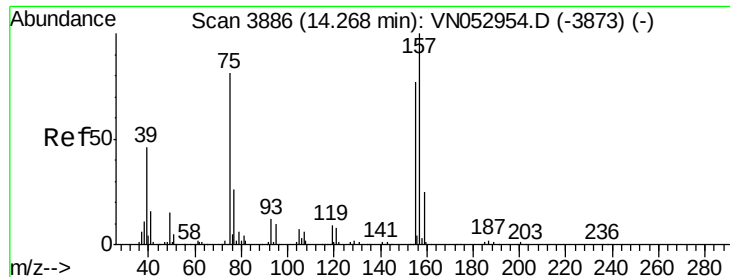
201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 10.846 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

ClientSampled :

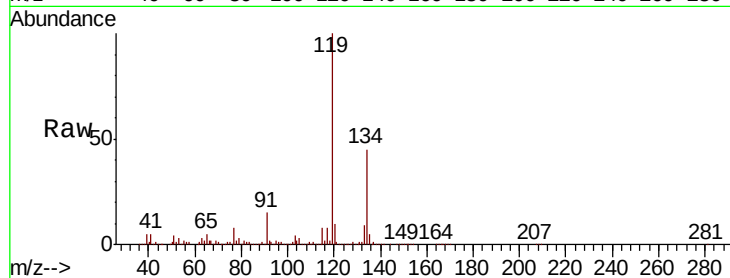
Tot Ion: 75 Resp: 24265

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

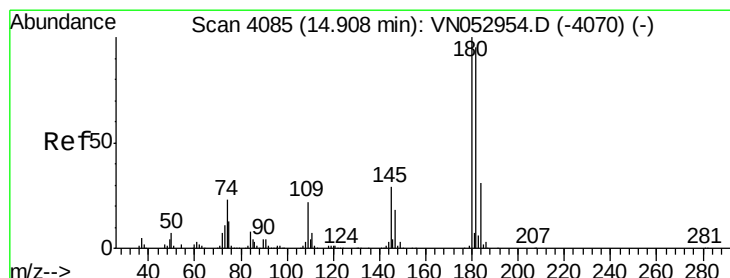
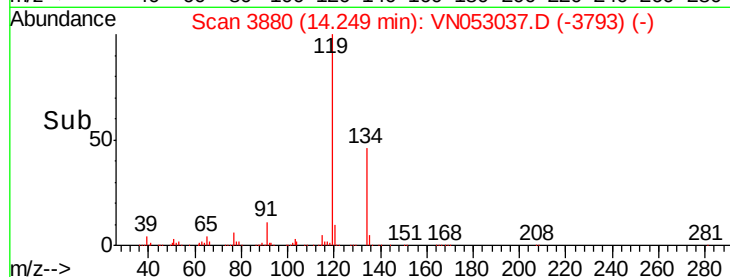
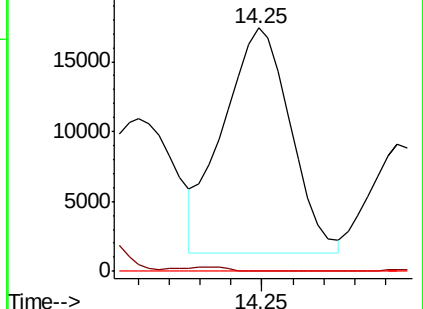
157 0.0 61.2 183.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 0.667 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

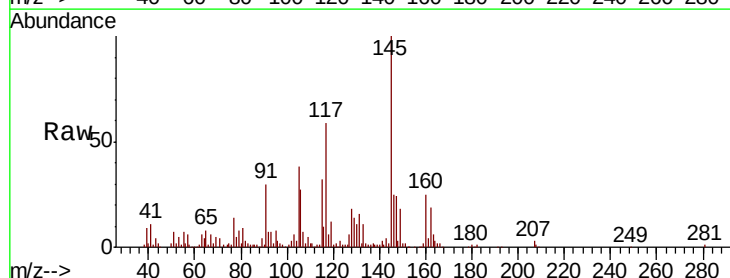
Tgt Ion:180 Resp: 1080

Ion Ratio Lower Upper

180 100

182 74.4 47.8 143.3

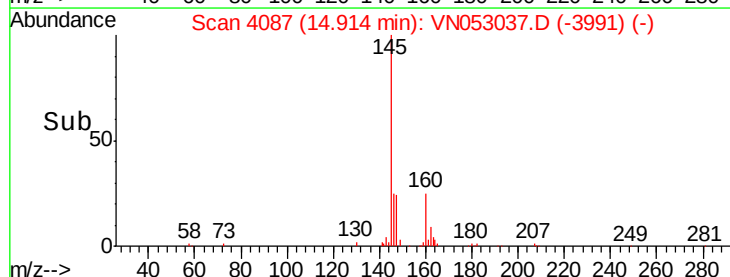
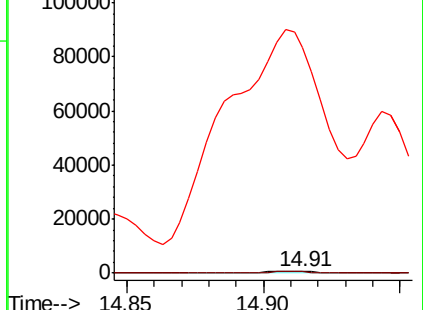
145 22022.0 14.2 42.6#

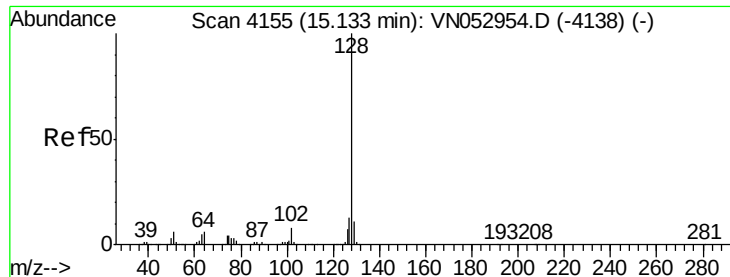


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 10.691 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

ClientSampled :

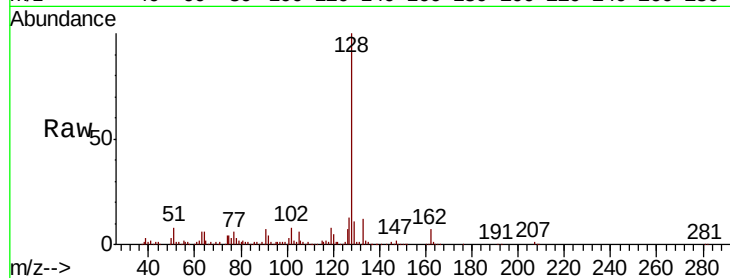
Tot Ion:128 Resp: 323739

Ion Ratio Lower Upper

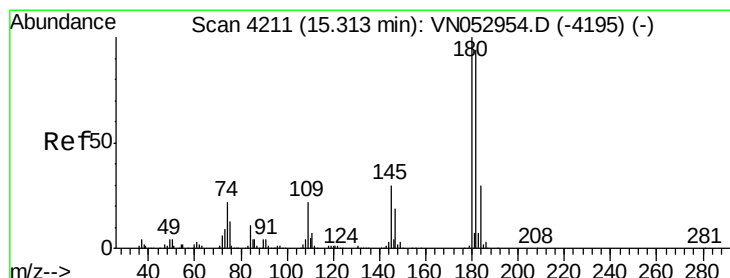
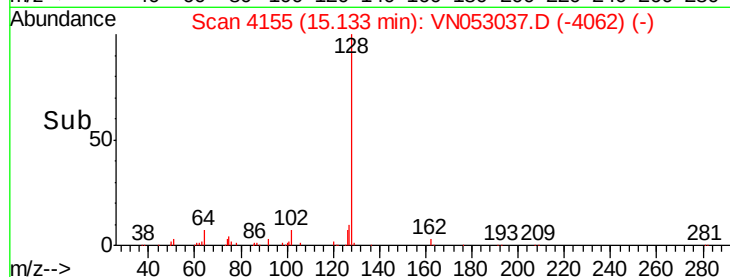
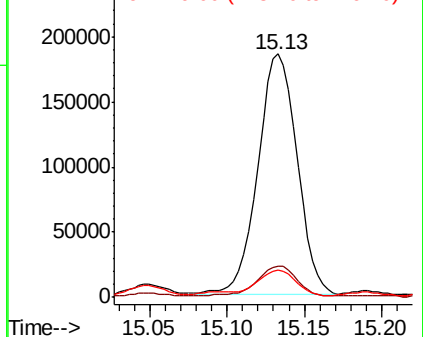
128 100

127 12.7 10.2 15.4

129 10.3 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: 0.535 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

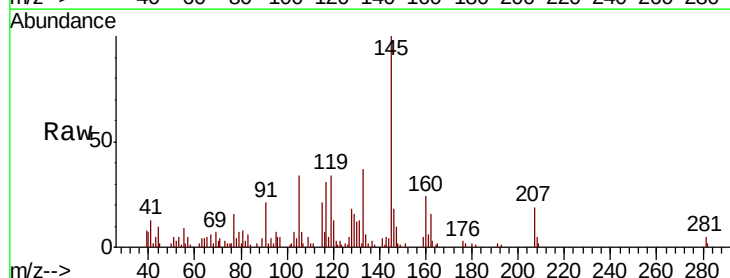
Tgt Ion:180 Resp: 376

Ion Ratio Lower Upper

180 100

182 50.3 47.9 143.7

145 0.0 15.0 45.0#



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

