

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056052.D
 Acq On : 6 Jun 2019 17:51
 Operator : JC/SP
 Sample : K3203-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW047-190604

Quant Time: Jun 07 05:27:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	315222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	480461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	466155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191775	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	166207	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
35) Dibromofluoromethane	7.59	113	144623	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.09	98	607876	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
62) 4-Bromofluorobenzene	12.40	95	215782	55.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.88%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.18	62	4816	1.405	ug/l	96
11) Tert butyl alcohol	4.82	59	18423	33.824	ug/l #	80
16) Acetone	3.82	43	2781	1.858	ug/l #	86
18) Methyl Acetate	4.34	43	3637	0.666	ug/l #	68
22) Diisopropyl ether	5.96	45	30473	3.528	ug/l	90
23) Vinyl Acetate	5.95	43	14749	2.168	ug/l #	71
27) cis-1,2-Dichloroethene	6.82	96	3164	0.949	ug/l	97
31) Cyclohexane	7.66	56	7321	1.474	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18070	4.374	ug/l #	49
38) Carbon Tetrachloride	7.66	117	25823	6.780	ug/l #	16
39) Methylcyclohexane	9.08	83	1471	0.286	ug/l	95
40) Benzene	8.04	78	141528	11.279	ug/l	99
42) 1,2-Dichloroethane	8.03	62	1153	0.286	ug/l #	73
44) Trichloroethene	8.83	130	2964	0.822	ug/l	99
48) Methyl methacrylate	9.07	41	830	0.285	ug/l #	35
59) 2-Hexanone	10.61	43	13788	5.107	ug/l	73
65) Chlorobenzene	11.43	112	7584198	817.490	ug/l	100
67) Ethyl Benzene	11.51	91	15325	0.950	ug/l	91
71) Bromoform	12.40	173	1417	3.240	ug/l #	1
73) Isopropylbenzene	12.25	105	9444	Below Cal		100
76) 1,2,3-Trichloropropane	12.40	75	97343	27.586	ug/l #	100
78) n-propylbenzene	12.59	91	3722	0.229	ug/l	94
79) 2-Chlorotoluene	12.67	91	362	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.89	105	15393	1.194	ug/l	73
81) trans-1,4-Dichloro-2-buten	12.40	75	97343	91.866	ug/l #	15
83) tert-Butylbenzene	12.99	119	1843	Below Cal	#	88
84) 1,2,4-Trimethylbenzene	12.89	105	15393	1.259	ug/l	78
85) sec-Butylbenzene	13.17	105	4673	0.325	ug/l	96
86) p-Isopropyltoluene	13.44	119	7408	0.576	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	22581	3.553	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	168779	27.610	ug/l	100
90) Hexachloroethane	13.95	117	1049	0.541	ug/l #	1
91) 1,2-Dichlorobenzene	13.65	146	685457	106.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.00	75	363	0.570	ug/l #	1

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

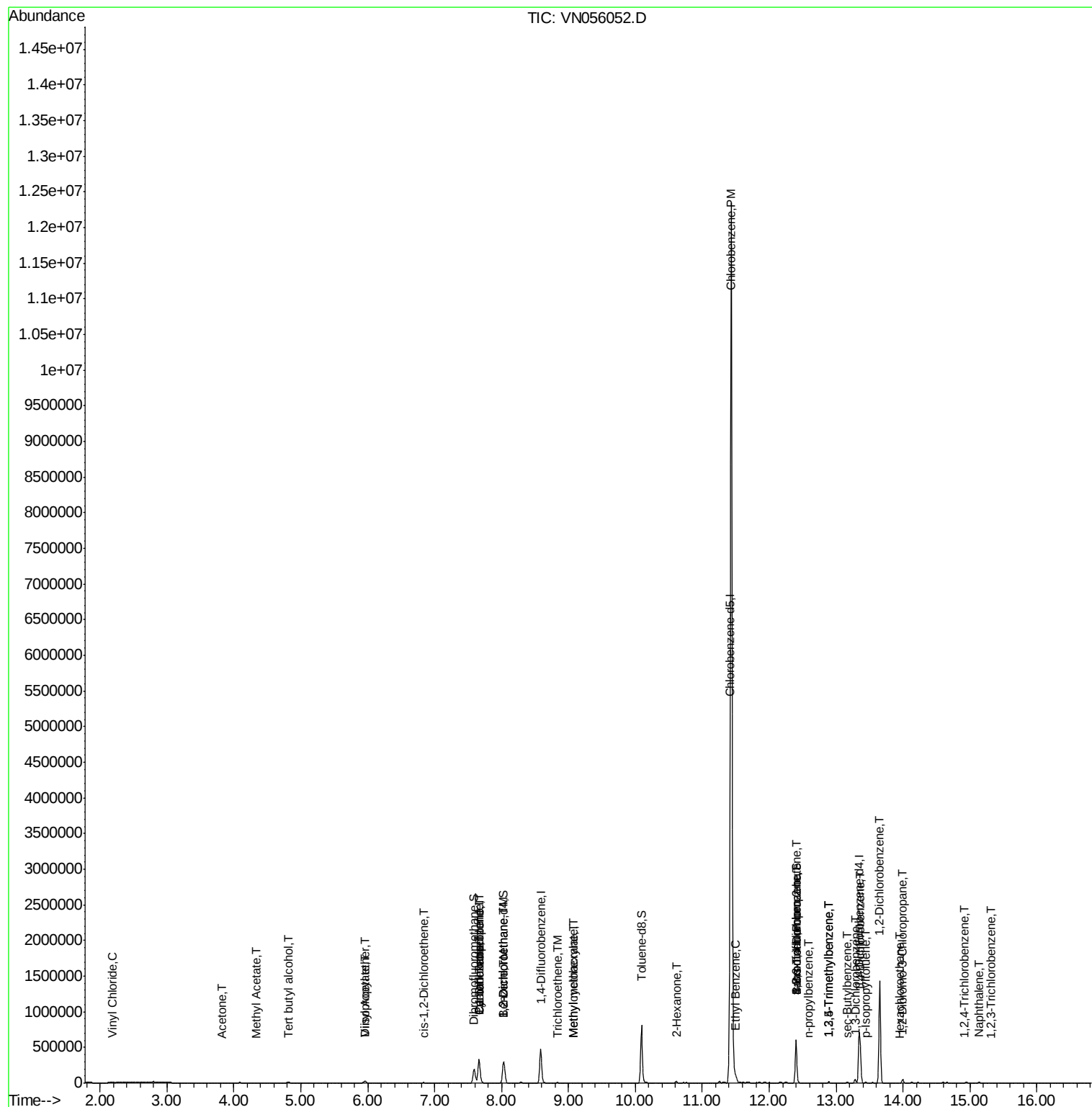
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	927	4.510	ug/l #	37
95) Naphthalene	15.13	128	16338	5.495	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	62	3.047	ug/l #	1

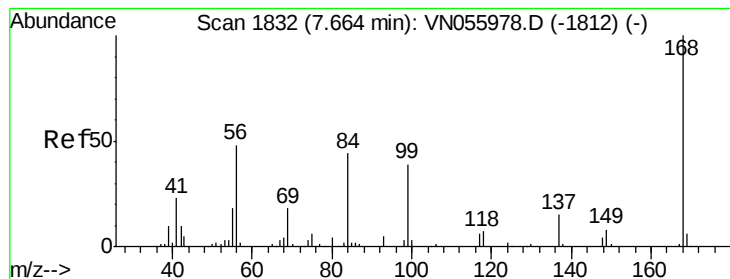
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056052.D

Acq: 6 Jun 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

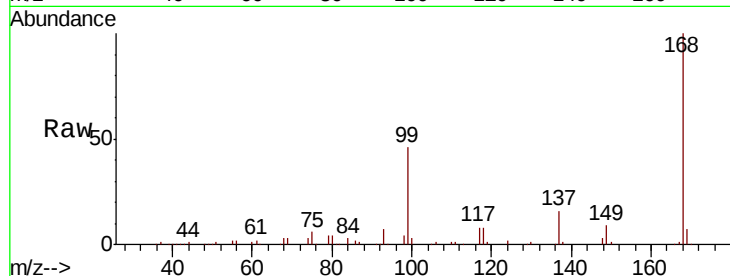
LF015MW047-190604

Tot Ion:168 Resp: 315222

Ion Ratio Lower Upper

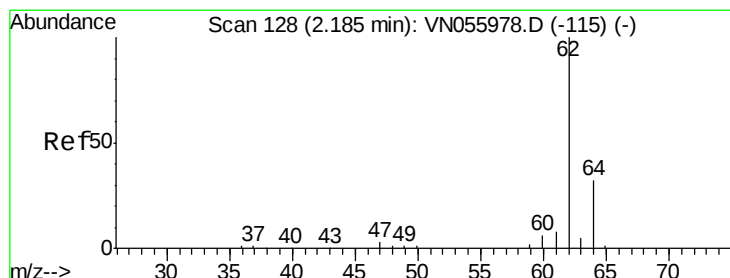
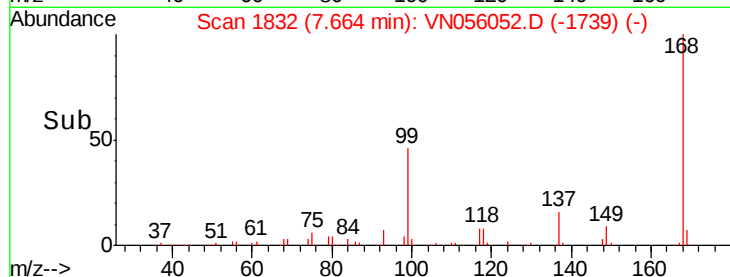
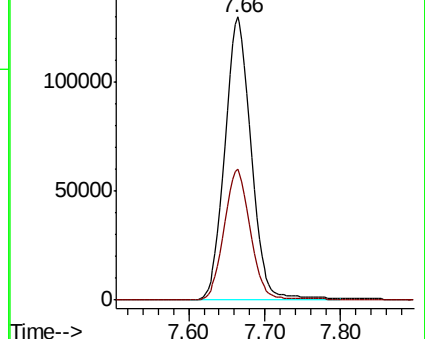
168 100

99 46.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#4

Vinyl Chloride

Concen: 1.405 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056052.D

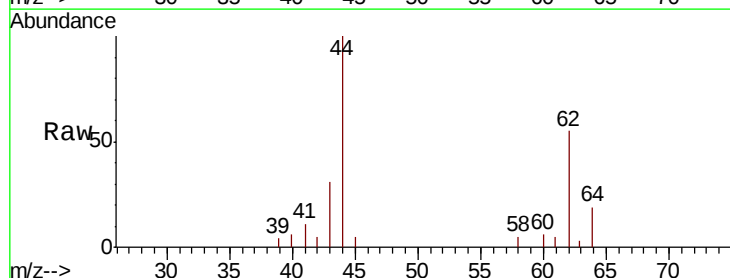
Acq: 6 Jun 2019 17:51

Tgt Ion: 62 Resp: 4816

Ion Ratio Lower Upper

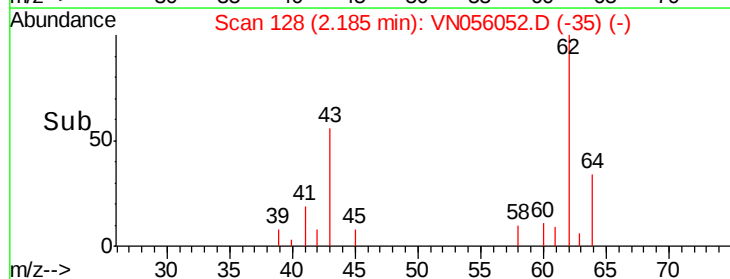
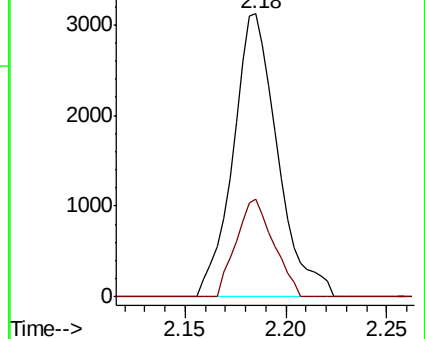
62 100

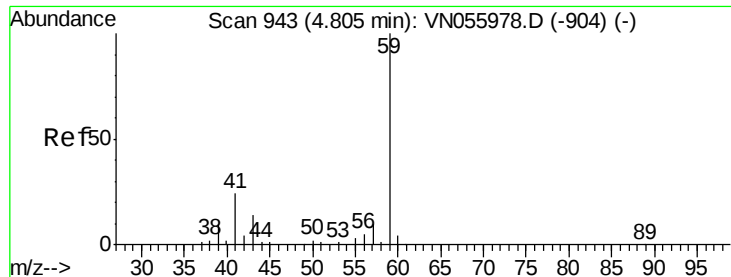
64 34.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

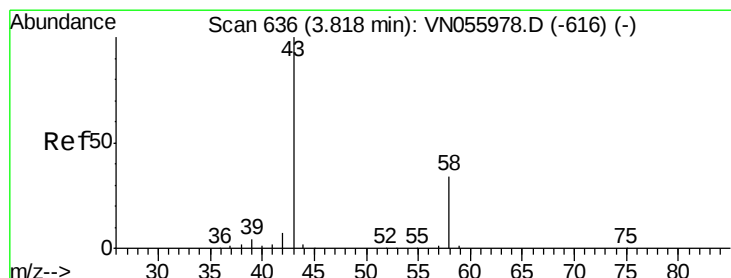
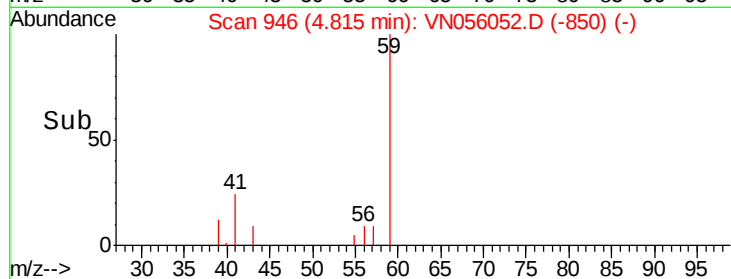
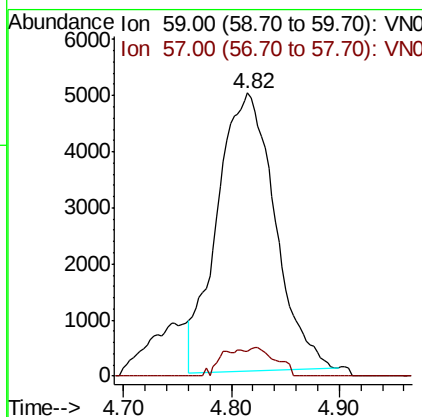
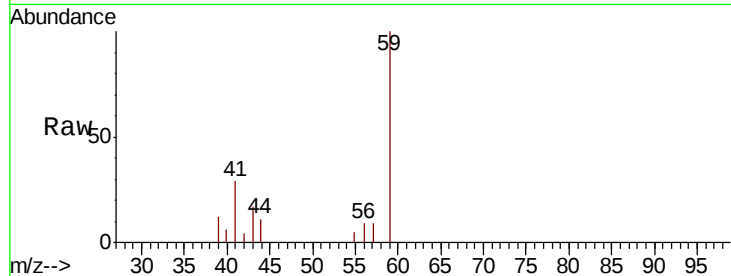




#11
Tert butyl alcohol
Concen: 33.824 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

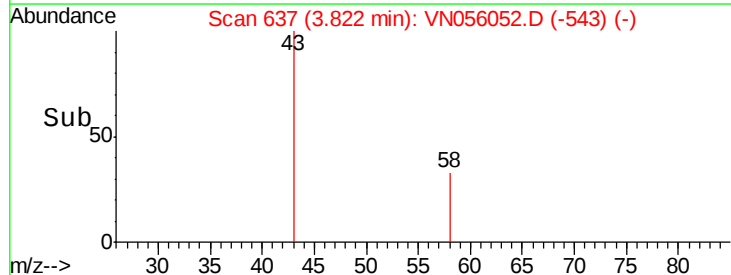
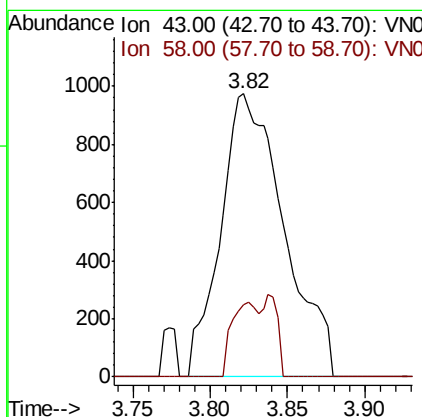
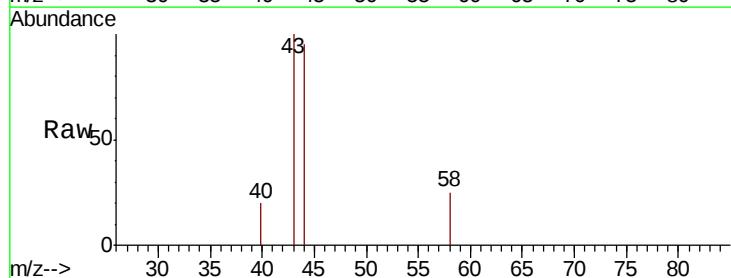
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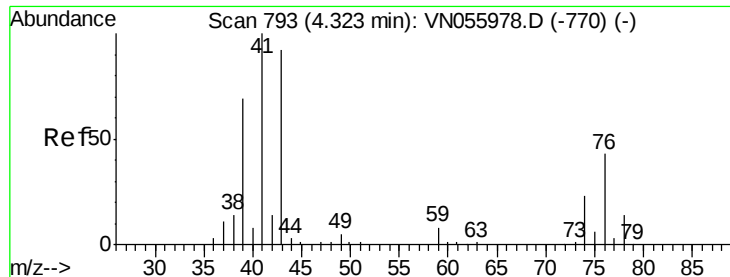
Tot Ion: 59 Resp: 18423
Ion Ratio Lower Upper
59 100
57 2.3 7.8 11.6#



#16
Acetone
Concen: 1.858 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Tgt Ion: 43 Resp: 2781
Ion Ratio Lower Upper
43 100
58 25.5 26.6 39.8#

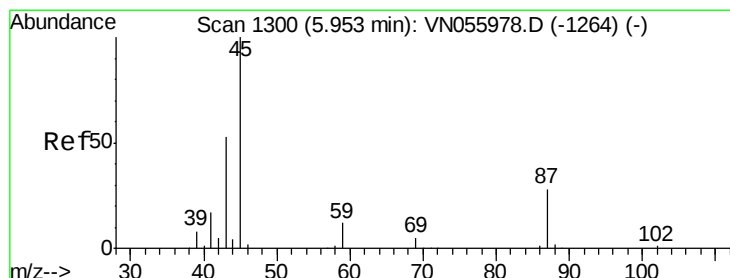
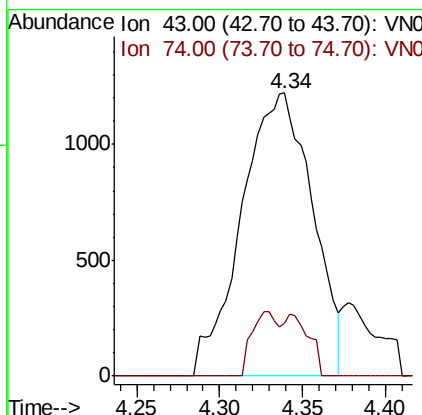
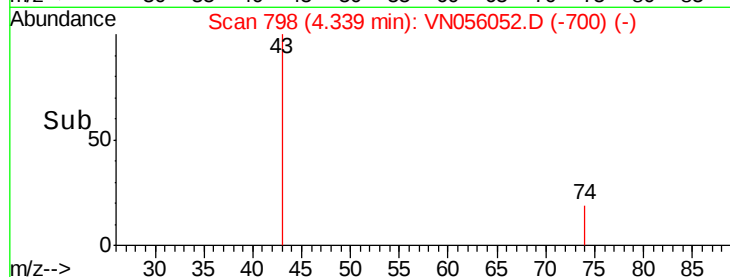
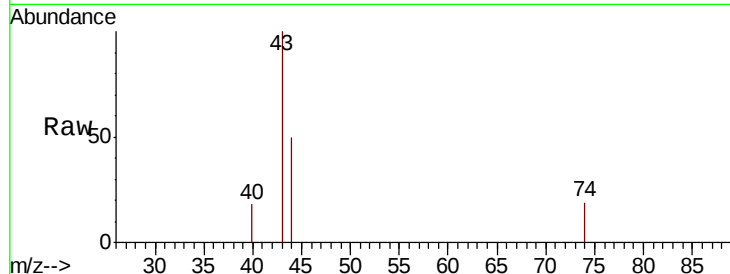




#18
Methyl Acetate
Concen: 0.666 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

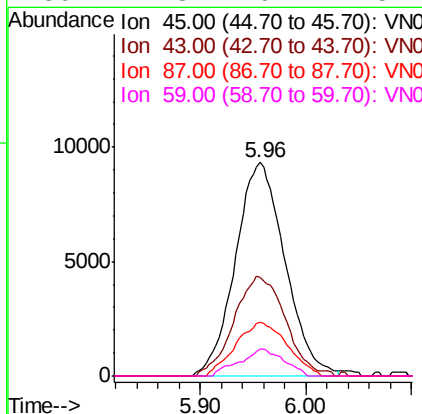
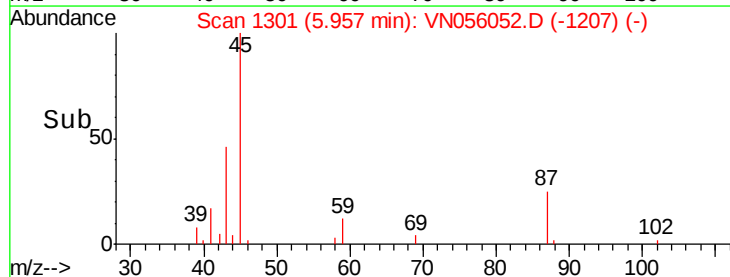
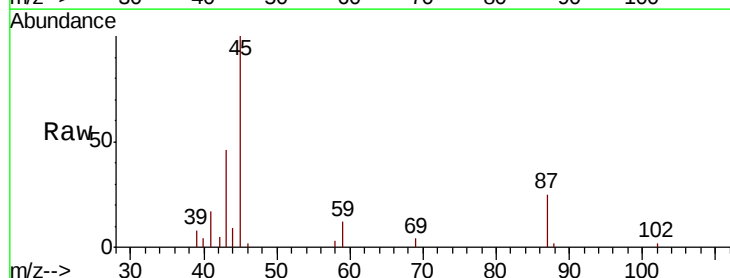
Instrument :
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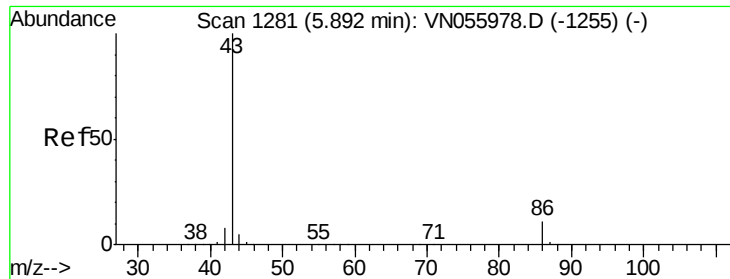
Tot Ion: 43 Resp: 3637
Ion Ratio Lower Upper
43 100
74 8.4 19.3 28.9#



#22
Diisopropyl ether
Concen: 3.528 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Tgt Ion: 45 Resp: 30473
Ion Ratio Lower Upper
45 100
43 46.3 45.0 67.6
87 25.1 22.2 33.4
59 12.3 9.1 13.7

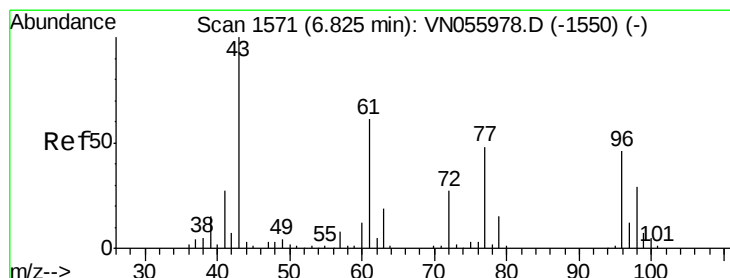
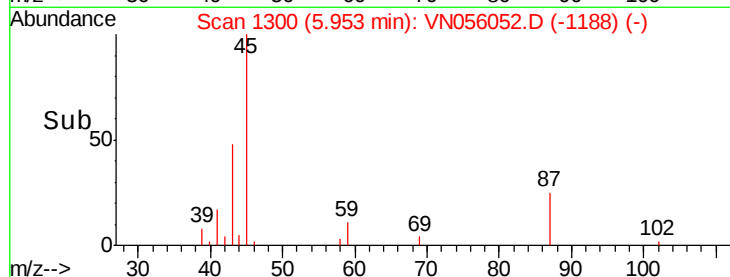
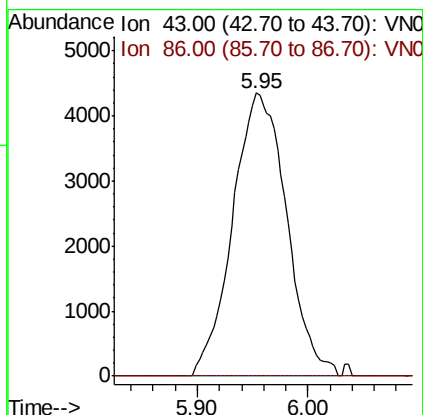
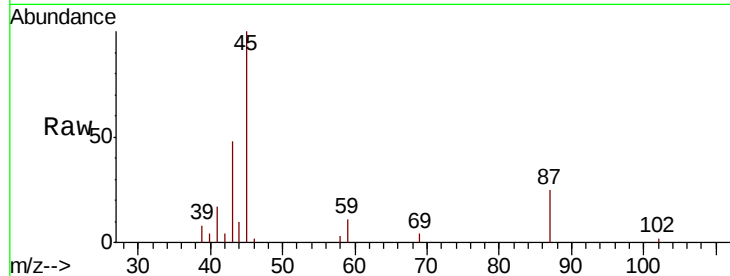




#23
 Vinyl Acetate
 Concen: 2.168 ug/l
 RT: 5.95 min Scan# 1300
 Delta R.T. 0.06 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

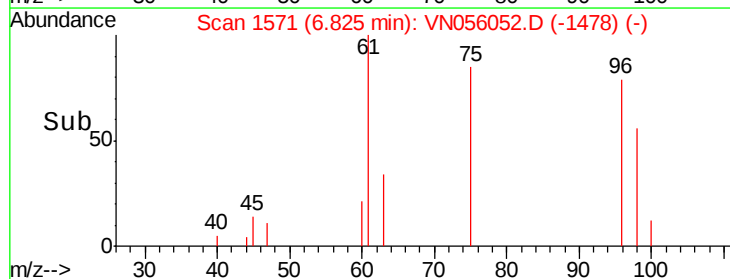
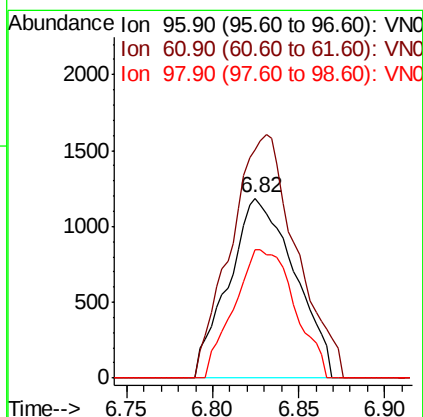
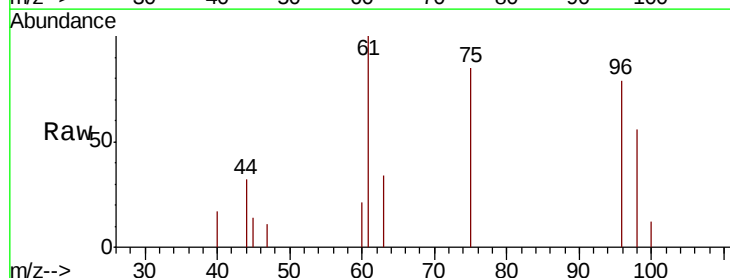
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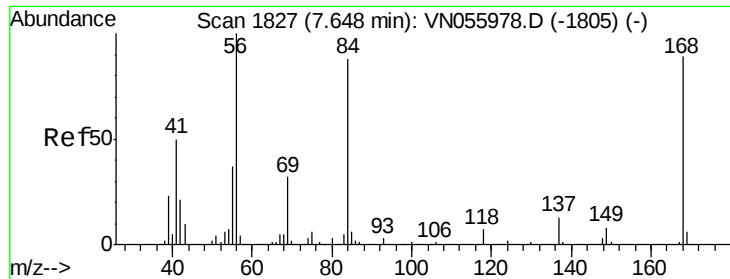
Tot Ion: 43 Resp: 14749
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#27
 cis-1,2-Dichloroethene
 Concen: 0.949 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

Tgt Ion: 96 Resp: 3164
 Ion Ratio Lower Upper
 96 100
 61 134.2 0.0 275.8
 98 65.6 0.0 128.4

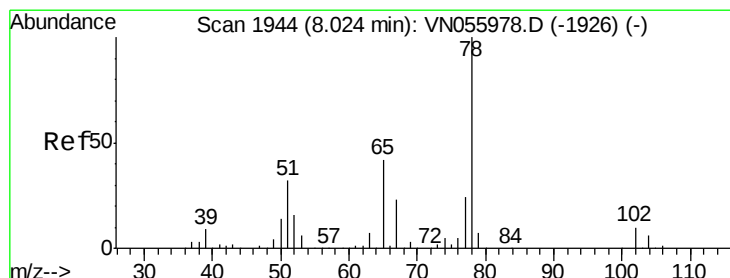
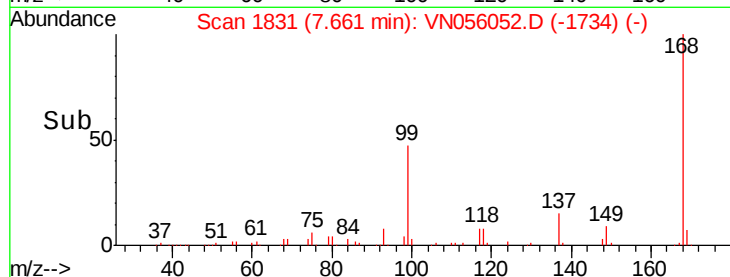
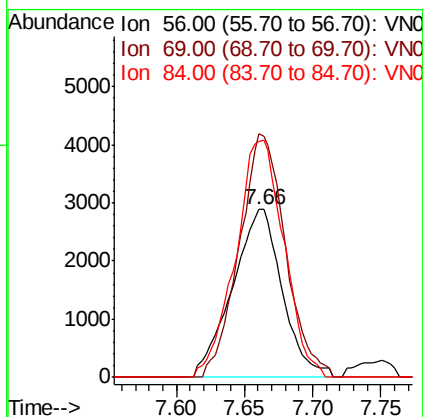
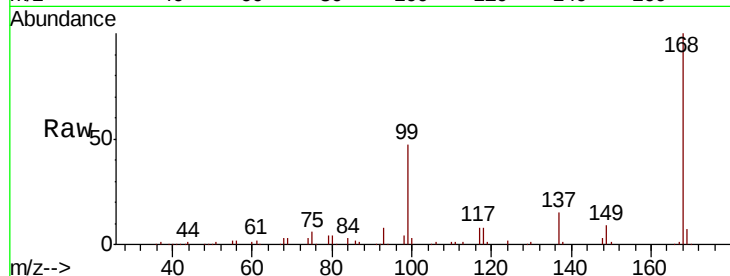




#31
Cyclohexane
Concen: 1.474 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

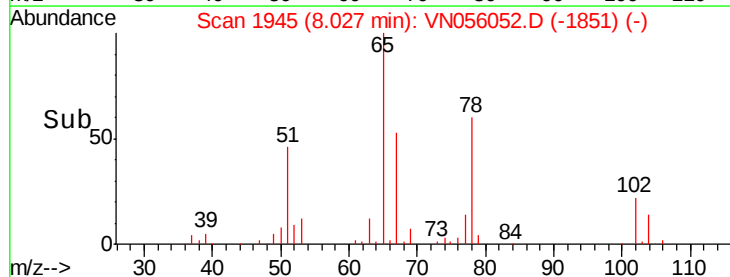
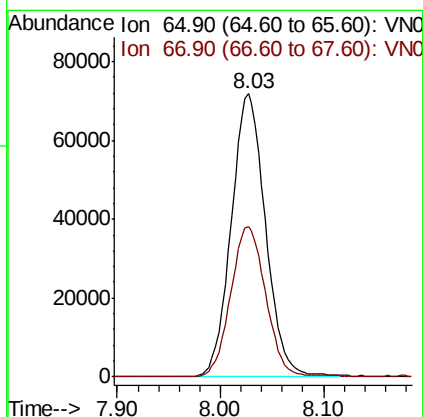
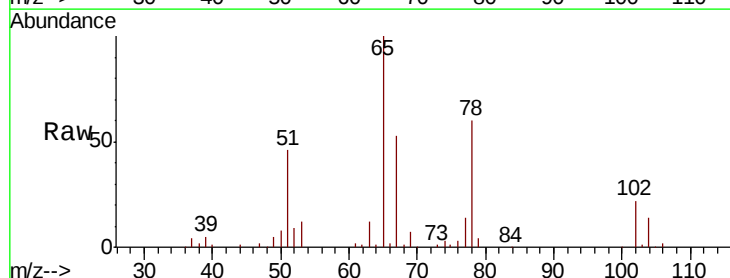
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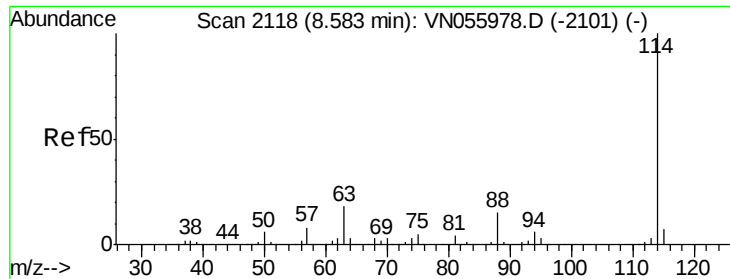
Tot Ion: 56 Resp: 7321
Ion Ratio Lower Upper
56 100
69 145.2 25.6 38.4#
84 140.7 67.4 101.0#



#33
1,2-Dichloroethane-d4
Concen: 53.103 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Tgt Ion: 65 Resp: 166207
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.2

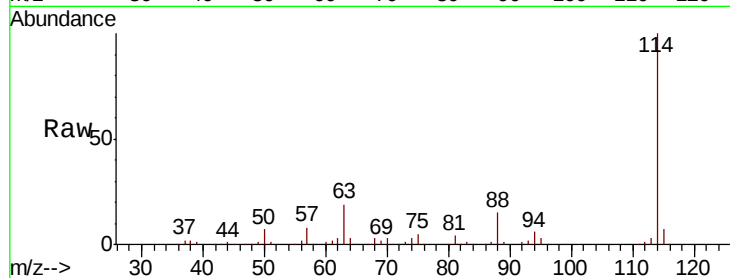




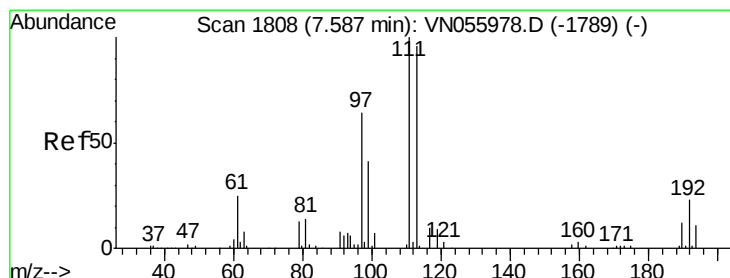
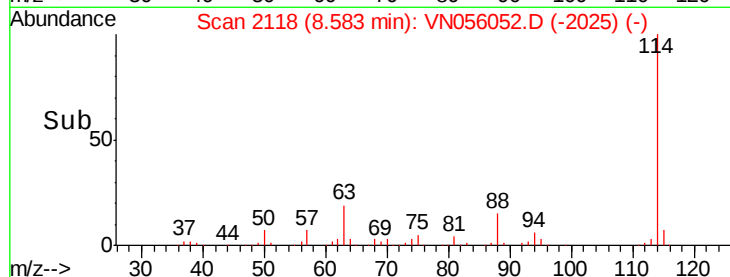
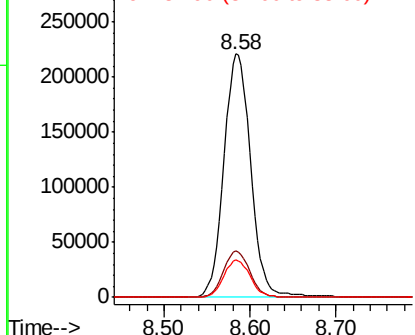
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW047-190604

Tot Ion:114 Resp: 480461
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 15.2 0.0 31.0

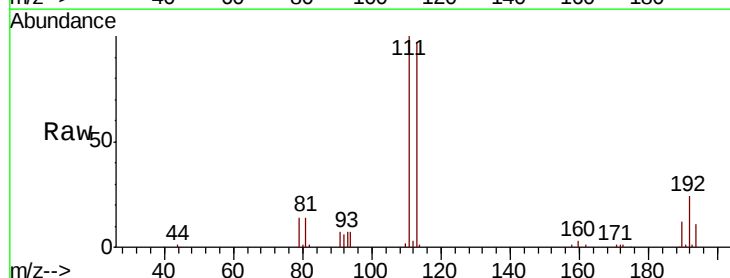


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

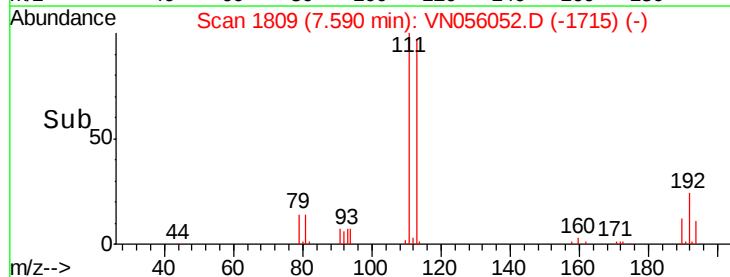
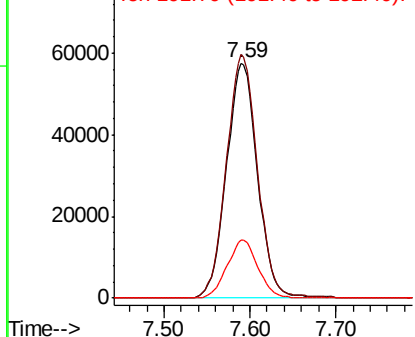


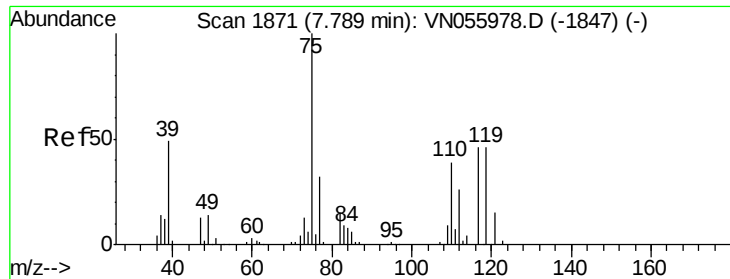
#35
 Dibromofluoromethane
 Concen: 49.062 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056052.D
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Tgt Ion:113 Resp: 144623
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.9 122.9
 192 24.5 19.5 29.3



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

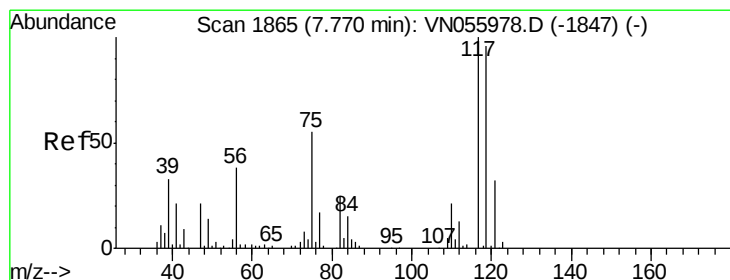
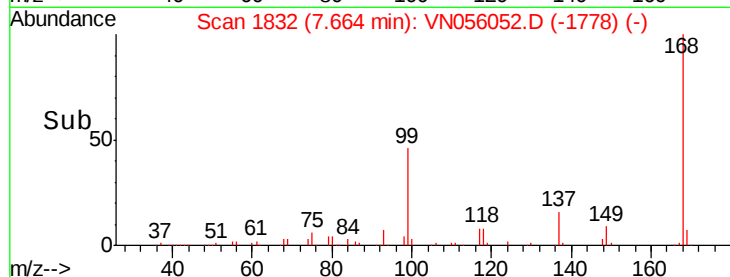
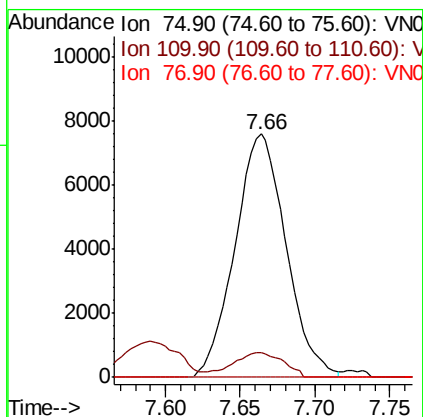
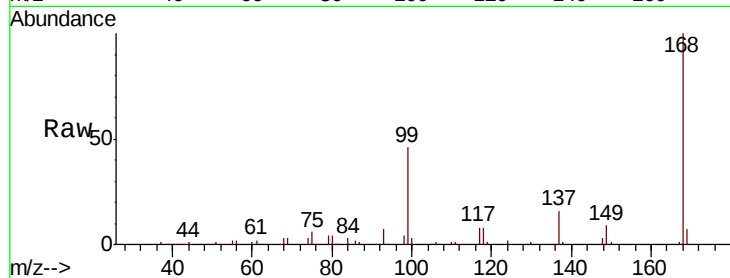




#36
 1,1-Dichloropropene
 Concen: 4.374 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

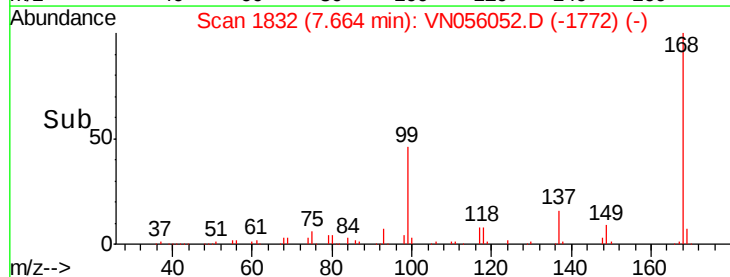
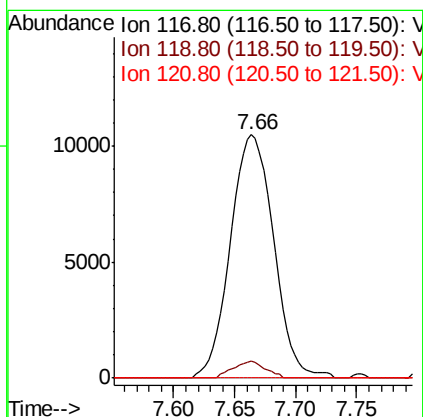
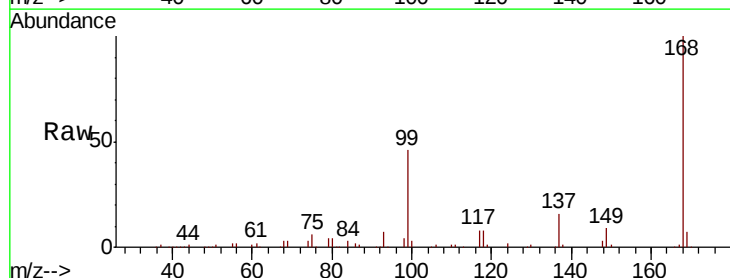
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW047-190604

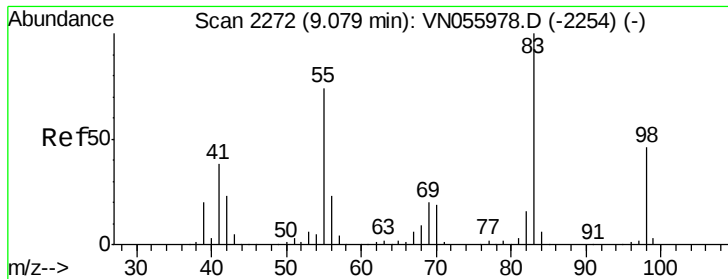
Tot Ion	75	Resp	18070
Ion Ratio	Lower	Upper	
75	100		
110	10.2	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.780 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

Tgt Ion	117	Resp	25823
Ion Ratio	Lower	Upper	
117	100		
119	6.9	79.0	118.6#
121	0.0	24.7	37.1#

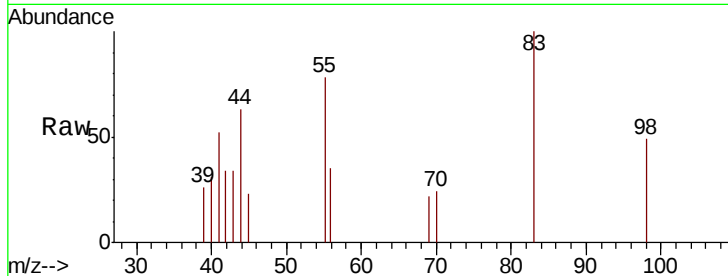




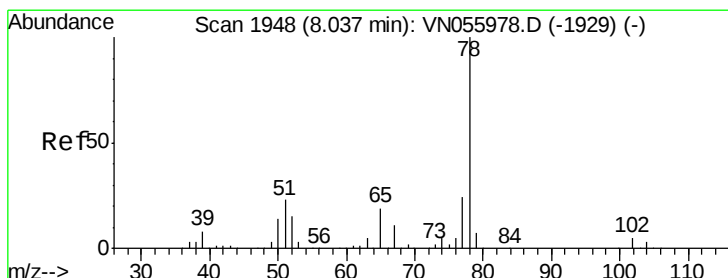
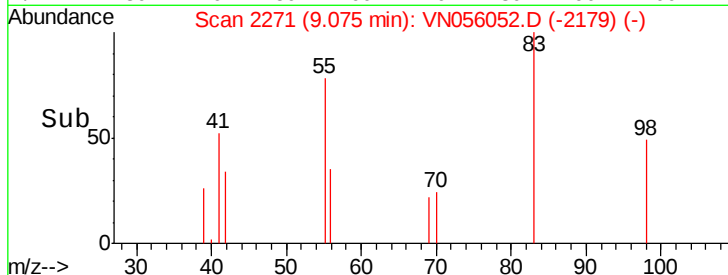
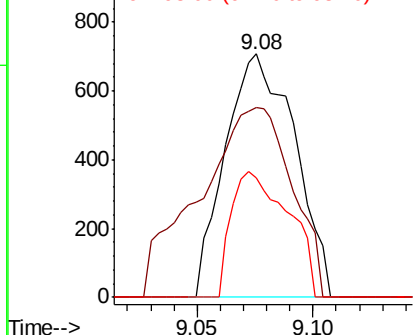
#39
Methvlcvclohexane
Concen: 0.286 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
LF015MW047-190604

Tot Ion: 83 Resp: 1471
Ion Ratio Lower Upper
83 100
55 78.0 59.3 88.9
98 48.9 36.6 54.8

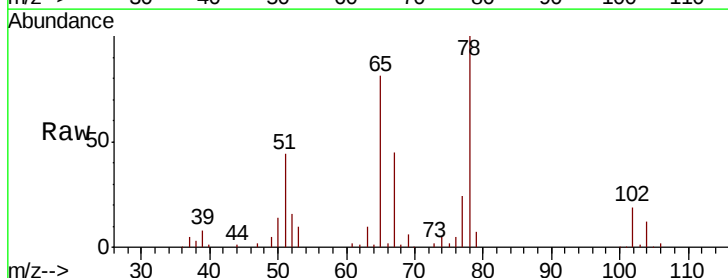


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

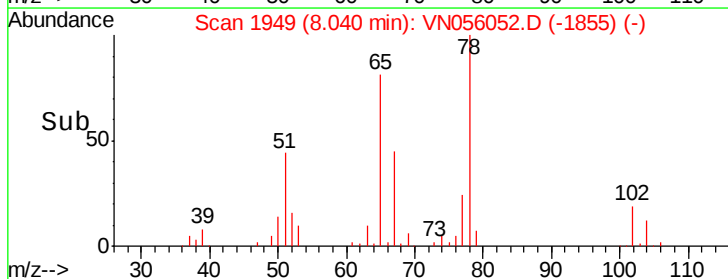
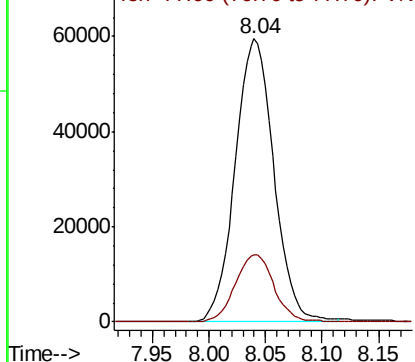


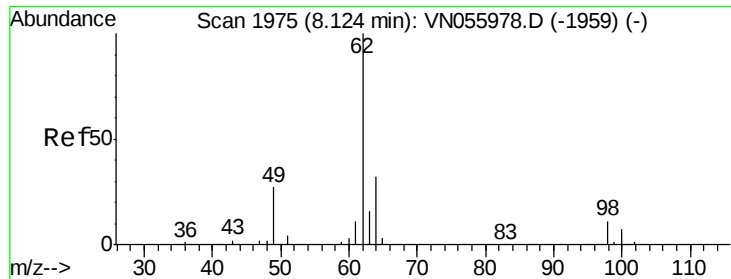
#40
Benzene
Concen: 11.279 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Tgt Ion: 78 Resp: 141528
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



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





#42

1,2-Dichloroethane

Concen: 0.286 ug/l

RT: 8.03 min Scan# 1947

Delta R.T. -0.09 min

Lab File: VN056052.D

Acq: 6 Jun 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

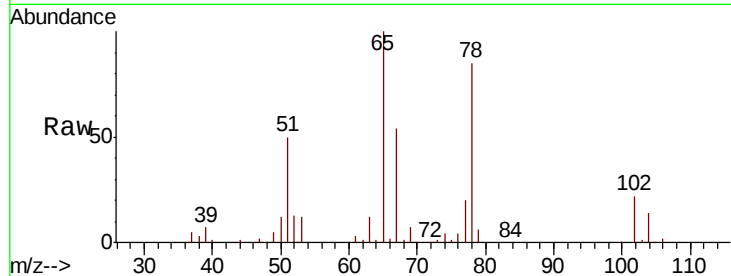
LF015MW047-190604

Tot Ion: 62 Resp: 1153

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-1959) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1959) (-)

8.03

600

500

400

300

200

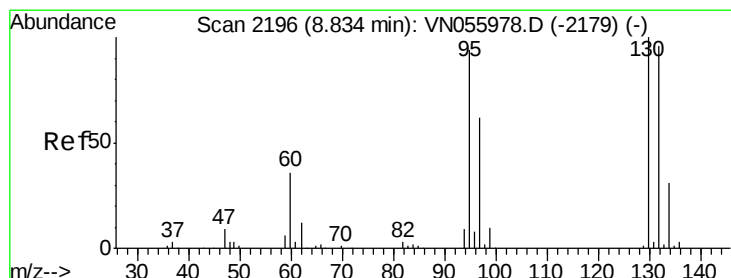
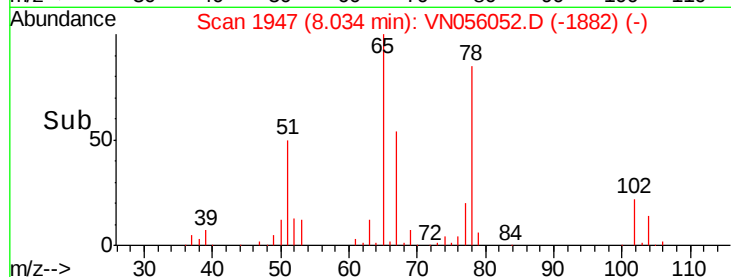
100

0

8.00

8.05

Time-->



#44

Trichloroethene

Concen: 0.822 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056052.D

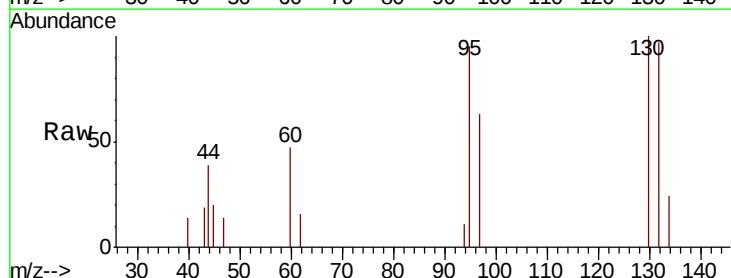
Acq: 6 Jun 2019 17:51

Tgt Ion:130 Resp: 2964

Ion Ratio Lower Upper

130 100

95 94.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

8.83

1500

1000

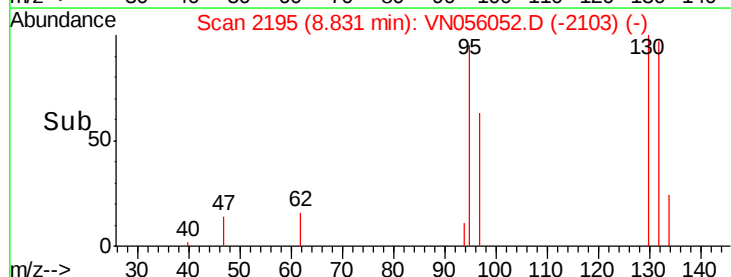
500

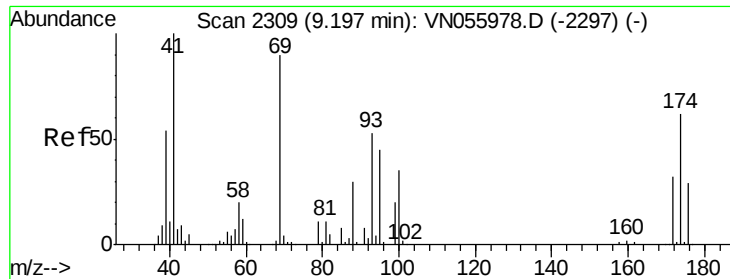
0

8.80

8.85

Time-->

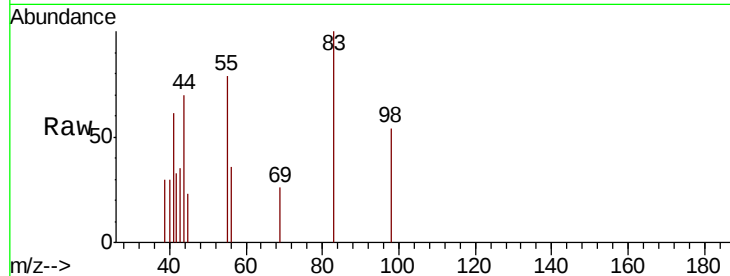




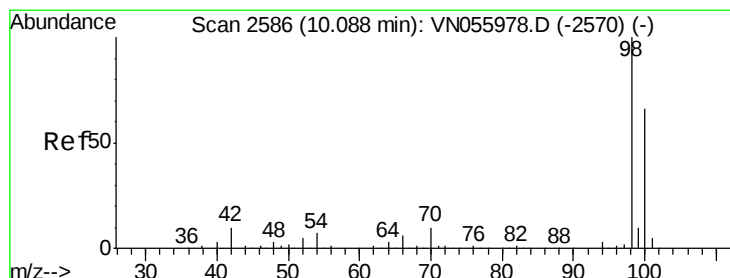
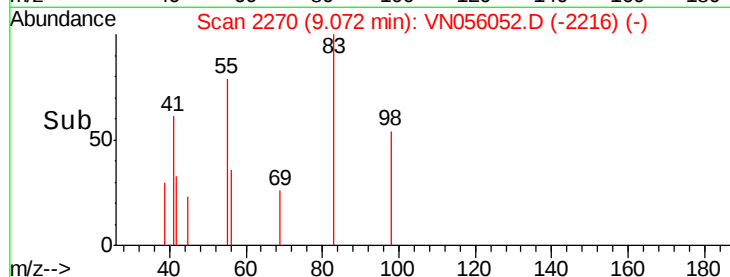
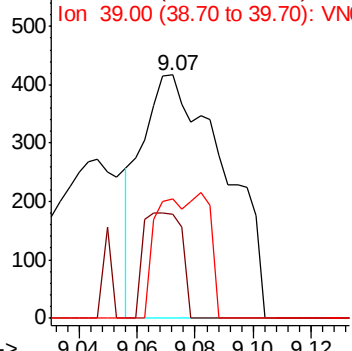
#48
Methyl methacrylate
Concen: 0.285 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.13 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
LF015MW047-190604

Tot Ion: 41 Resp: 830
Ion Ratio Lower Upper
41 100
69 20.1 71.0 106.6#
39 17.7 44.2 66.2#

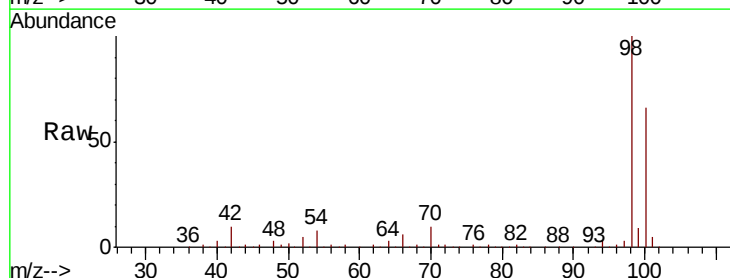


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

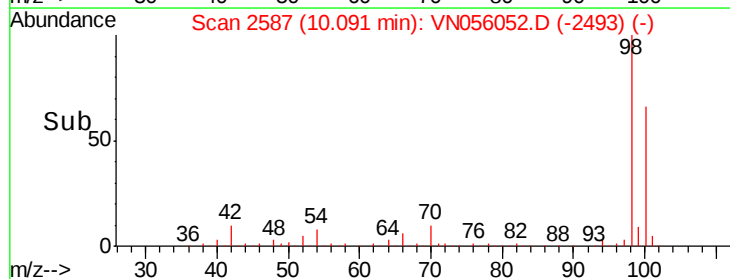
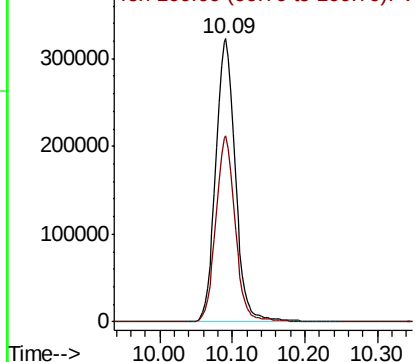


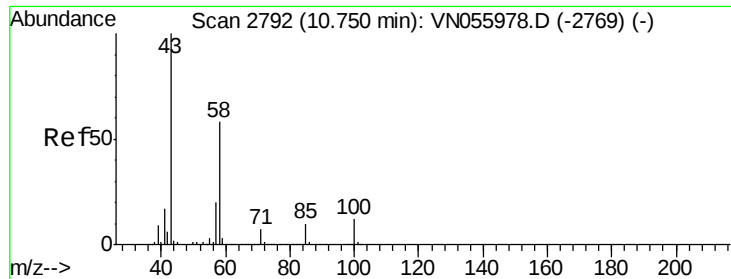
#50
Toluene-d8
Concen: 53.590 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Tgt Ion: 98 Resp: 607876
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

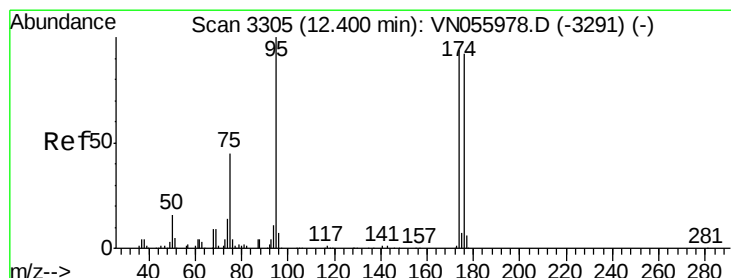
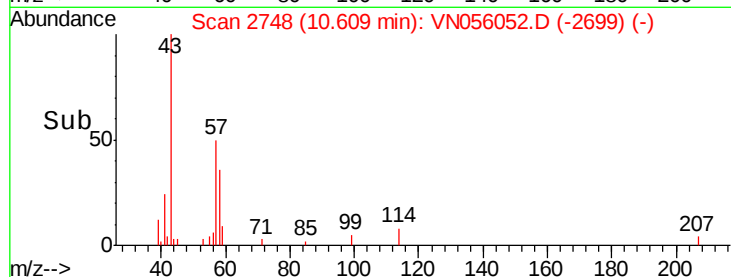
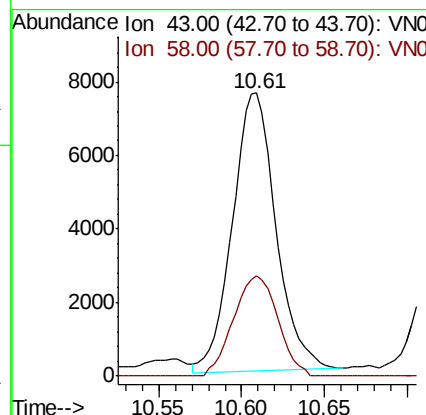
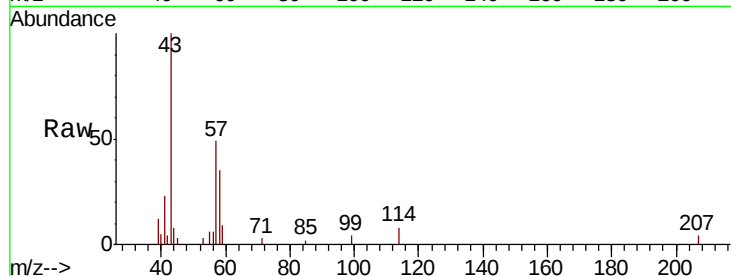




#59
2-Hexanone
Concen: 5.107 ug/l
RT: 10.61 min Scan# 2748
Delta R.T. -0.14 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

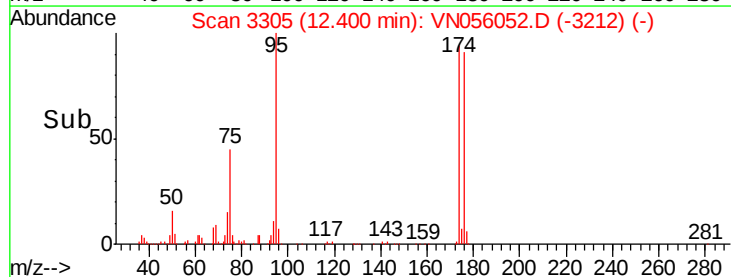
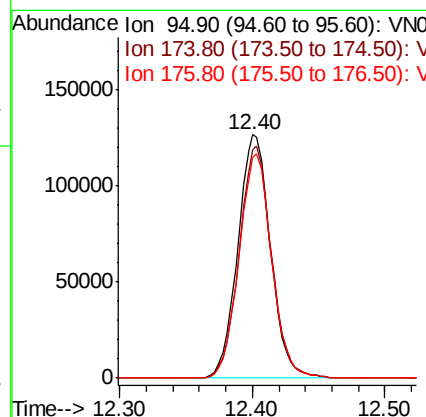
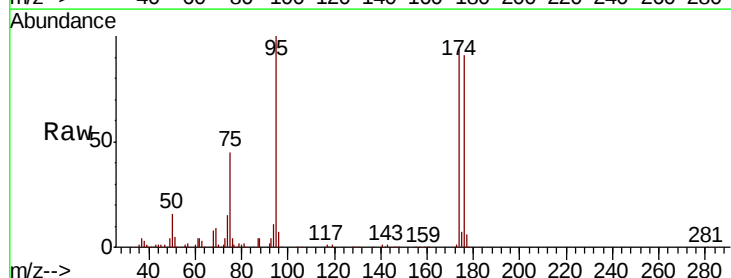
Instrument :
MSVOA_N
ClientSampleId :
LF015MW047-190604

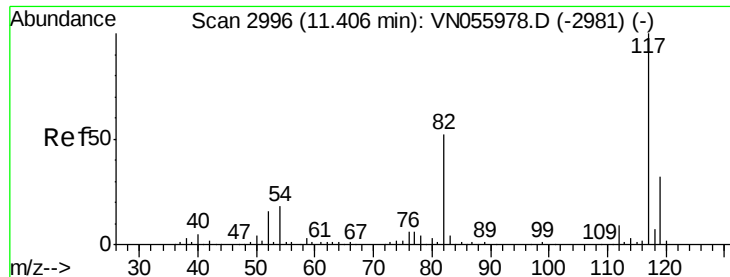
Tot Ion: 43 Resp: 13788
Ion Ratio Lower Upper
43 100
58 36.7 28.2 84.7



#62
4-Bromofluorobenzene
Concen: 55.938 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Tgt Ion: 95 Resp: 215782
Ion Ratio Lower Upper
95 100
174 94.5 0.0 191.0
176 92.1 0.0 185.2

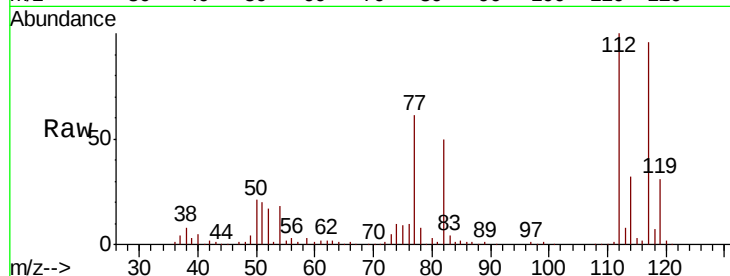




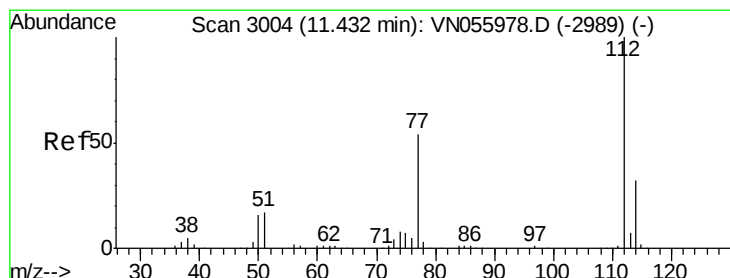
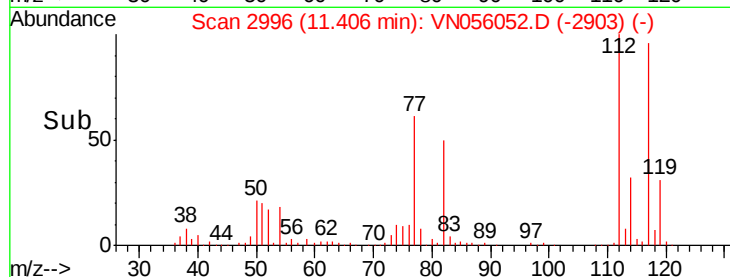
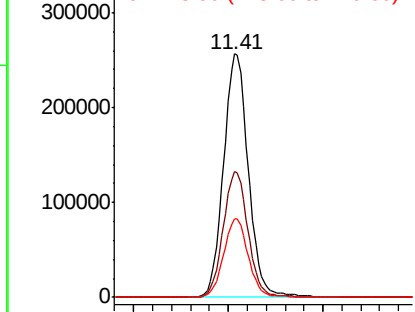
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
LF015MW047-190604

Tot Ion:117 Resp: 466155
Ion Ratio Lower Upper
117 100
82 51.8 41.8 62.8
119 32.4 25.4 38.0

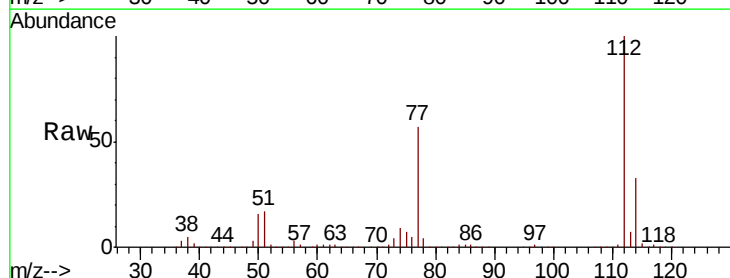


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

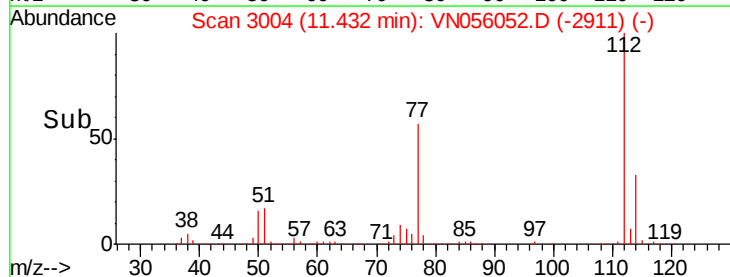
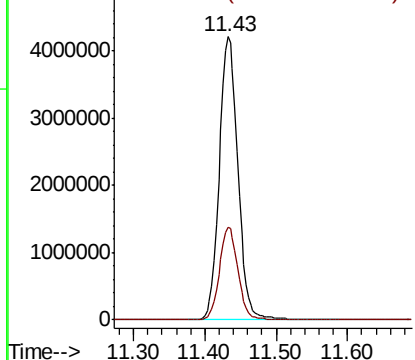


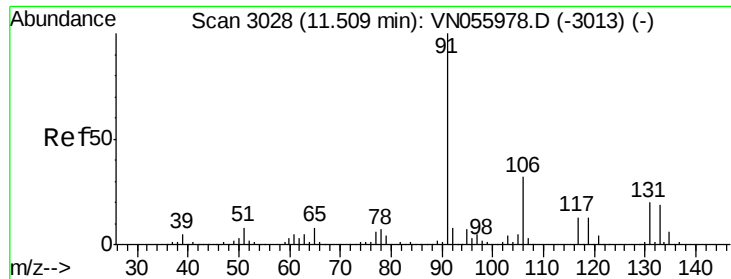
#65
Chlorobenzene
Concen: 817.490 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Tgt Ion:112 Resp: 7584198
Ion Ratio Lower Upper
112 100
114 32.9 26.2 39.4



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

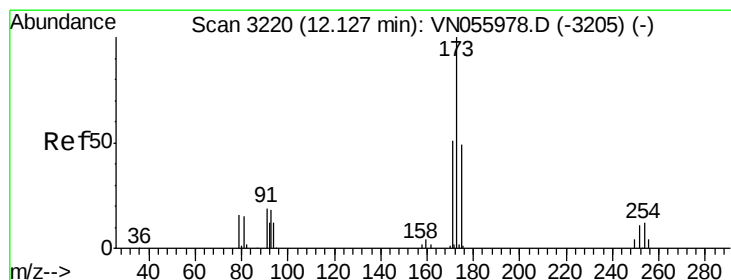
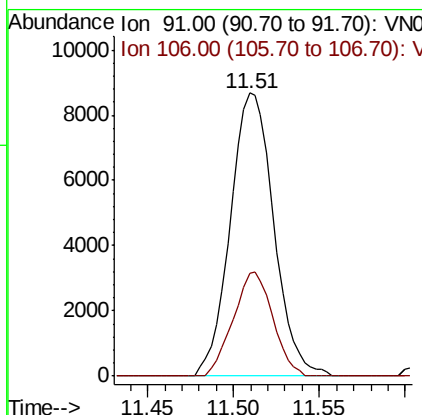
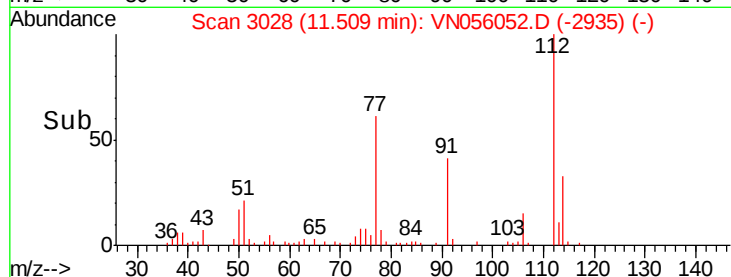
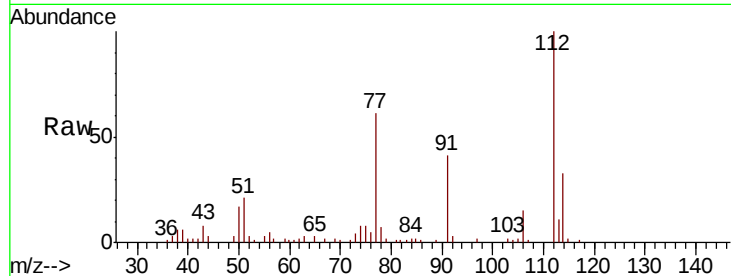




#67
Ethyl Benzene
Concen: 0.950 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

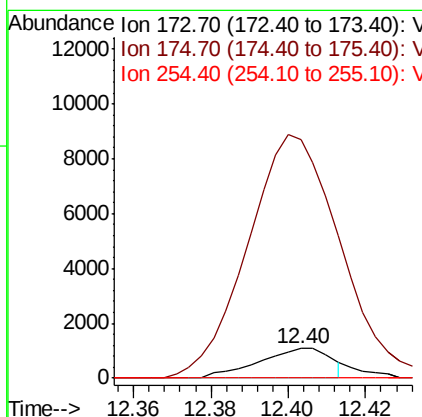
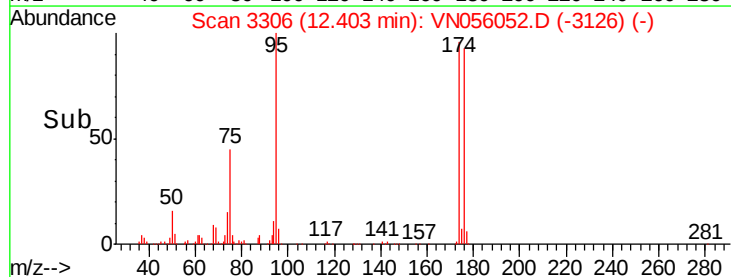
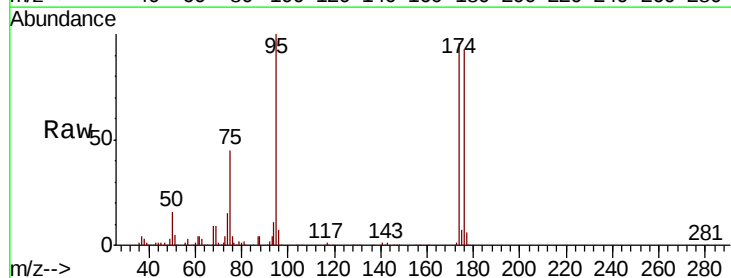
Instrument :
MSVOA_N
ClientSampleId :
LF015MW047-190604

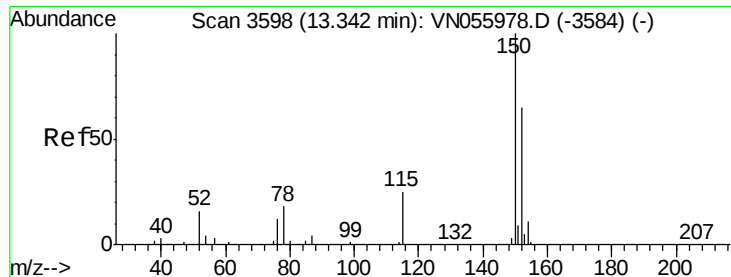
Tot Ion: 91 Resp: 15325
Ion Ratio Lower Upper
91 100
106 36.3 25.1 37.7



#71
Bromoform
Concen: 3.240 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Tgt Ion: 173 Resp: 1417
Ion Ratio Lower Upper
173 100
175 908.2 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056052.D

Acq: 6 Jun 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

LF015MW047-190604

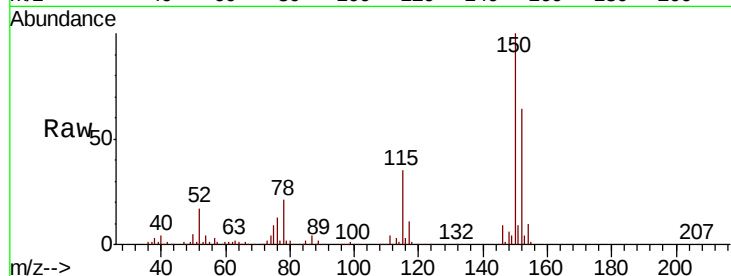
Tot Ion:152 Resp: 191775

Ion Ratio Lower Upper

152 100

115 53.1 27.0 81.0

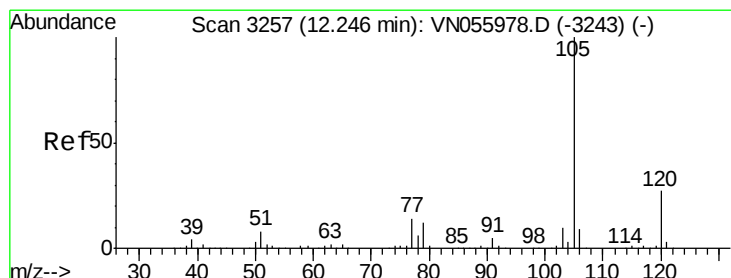
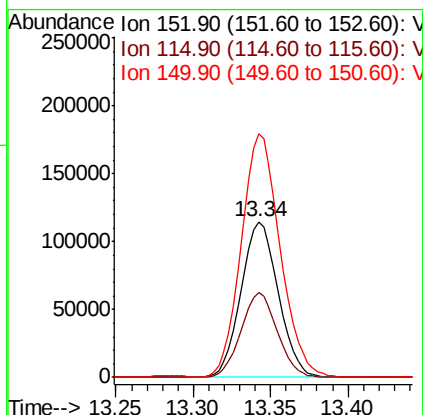
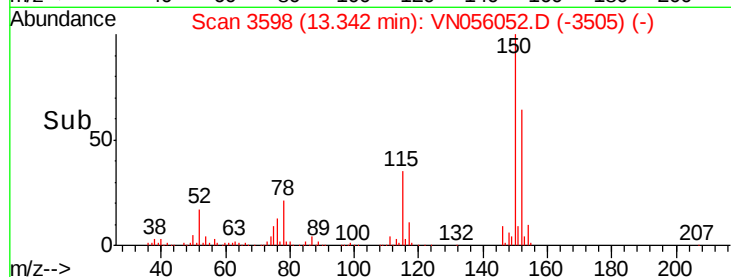
150 163.7 0.0 343.2



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: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056052.D

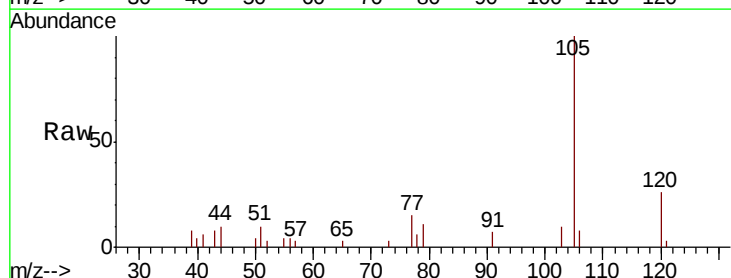
Acq: 6 Jun 2019 17:51

Tgt Ion:105 Resp: 9444

Ion Ratio Lower Upper

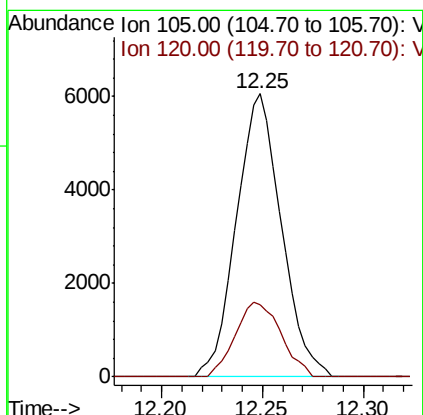
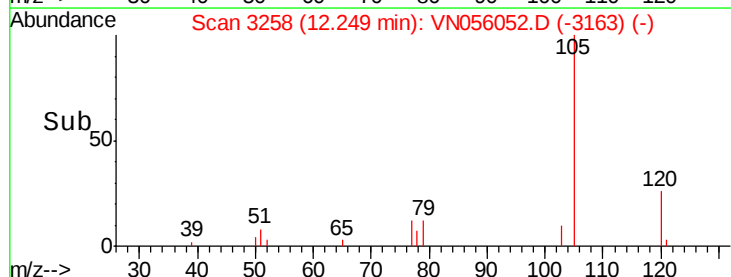
105 100

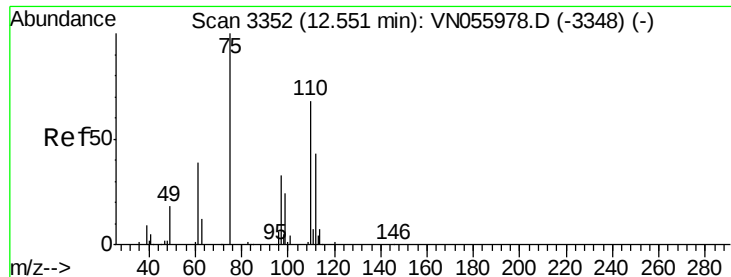
120 26.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 27.586 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056052.D

Acq: 6 Jun 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

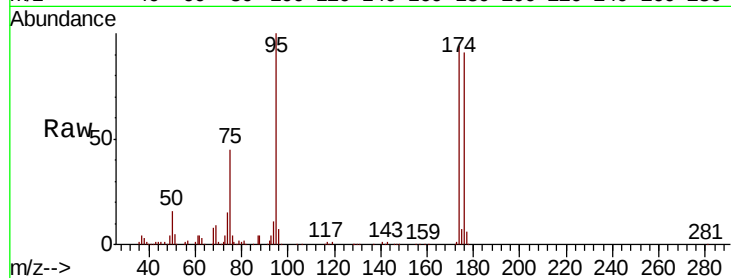
LF015MW047-190604

Tot Ion: 75 Resp: 97343

Ion Ratio Lower Upper

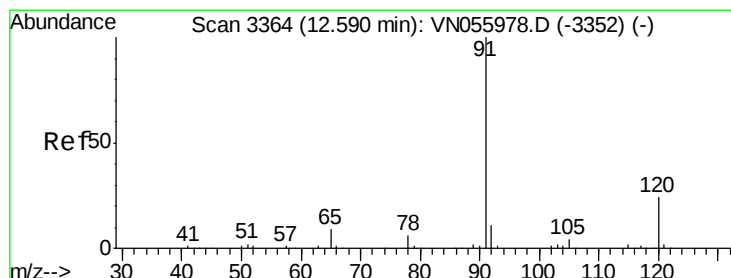
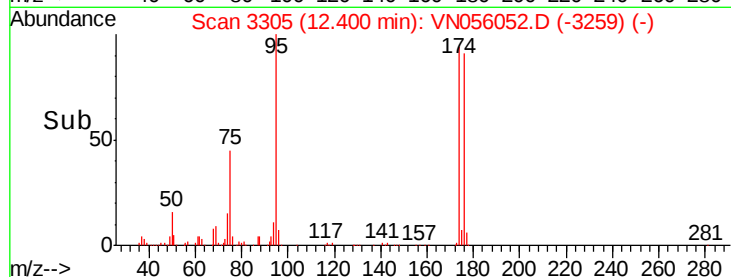
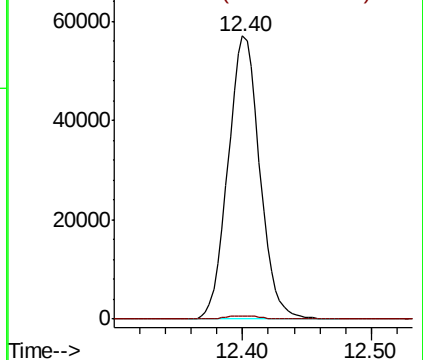
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.229 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056052.D

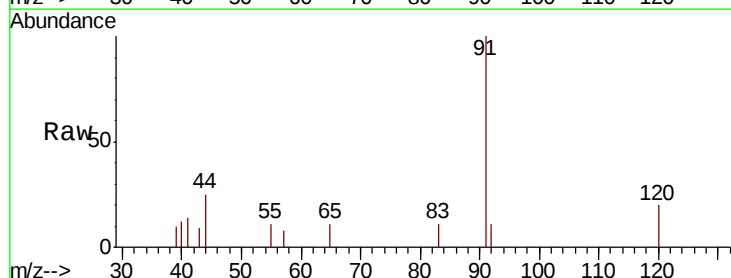
Acq: 6 Jun 2019 17:51

Tgt Ion: 91 Resp: 3722

Ion Ratio Lower Upper

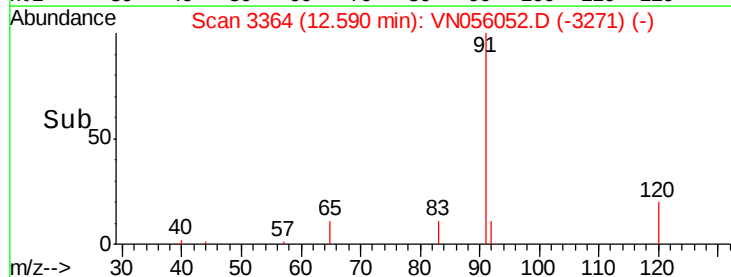
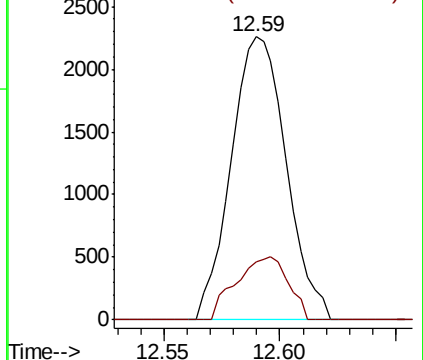
91 100

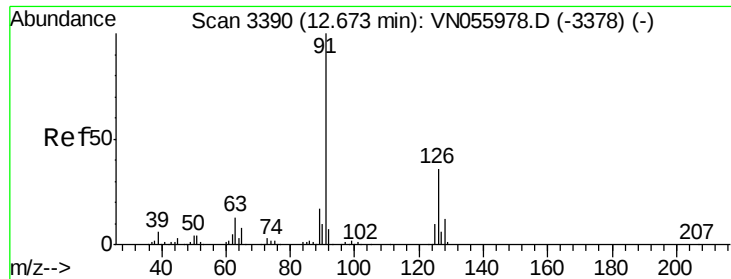
120 21.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VN056052.D

Acq: 6 Jun 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

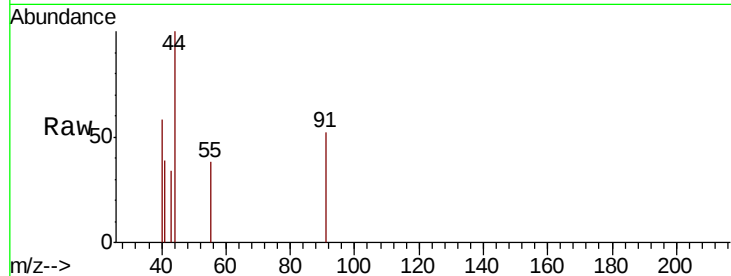
LF015MW047-190604

Tot Ion: 91 Resp: 362

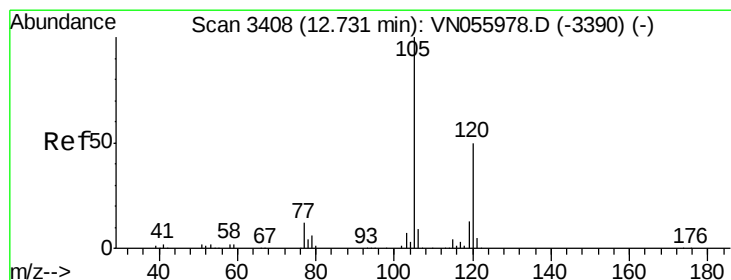
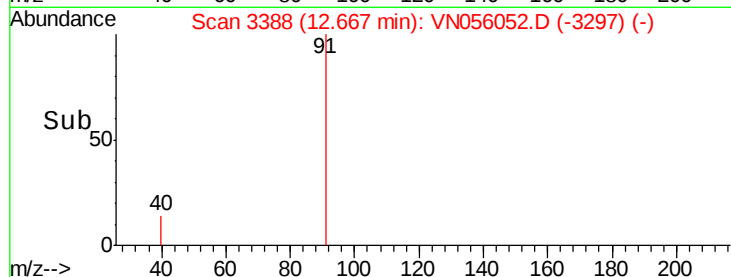
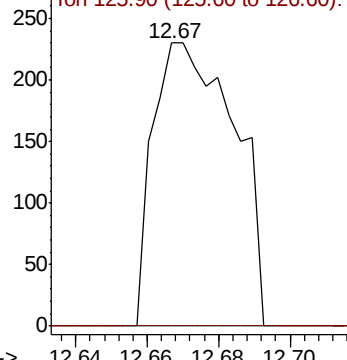
Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.194 ug/l

RT: 12.89 min Scan# 3457

Delta R.T. 0.16 min

Lab File: VN056052.D

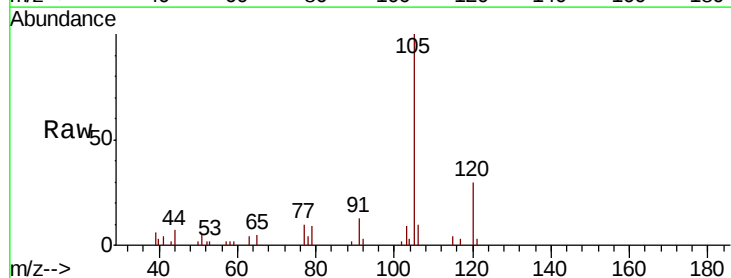
Acq: 6 Jun 2019 17:51

Tgt Ion: 105 Resp: 15393

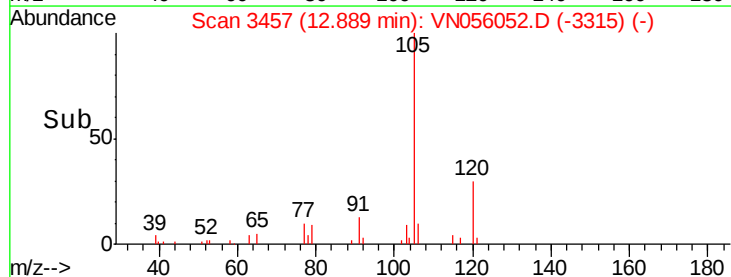
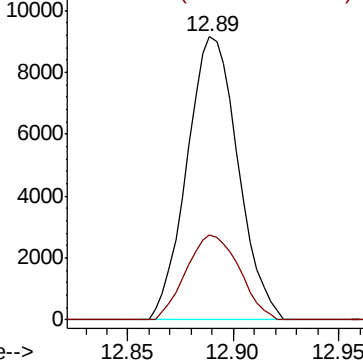
Ion Ratio Lower Upper

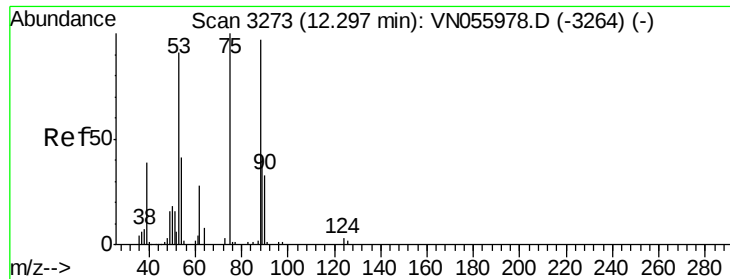
105 100

120 31.2 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 91.866 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056052.D

Acq: 6 Jun 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

LF015MW047-190604

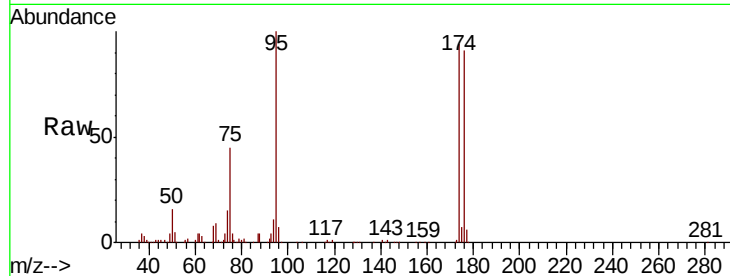
Tot Ion: 75 Resp: 97343

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

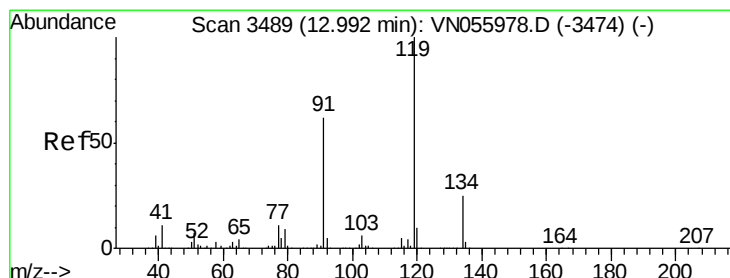
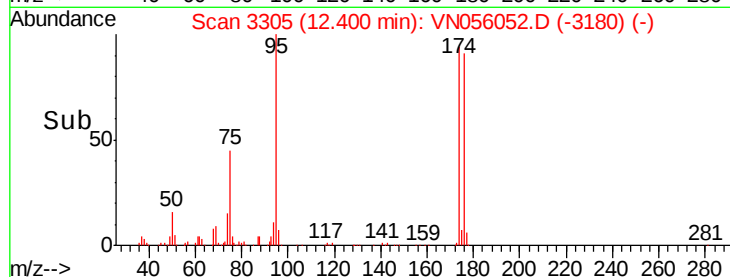
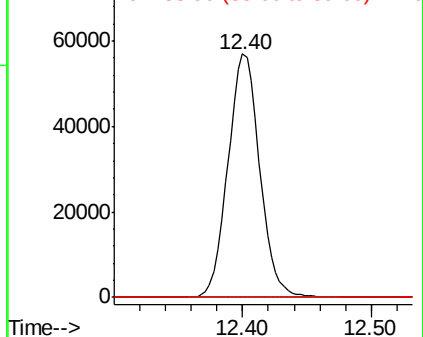
89 0.0 36.9 55.3#



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



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056052.D

Acq: 6 Jun 2019 17:51

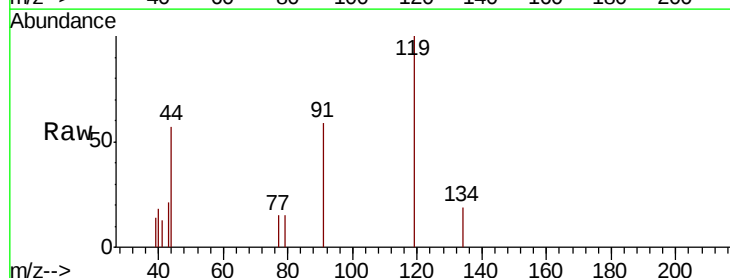
Tgt Ion: 119 Resp: 1843

Ion Ratio Lower Upper

119 100

91 58.3 30.9 92.8

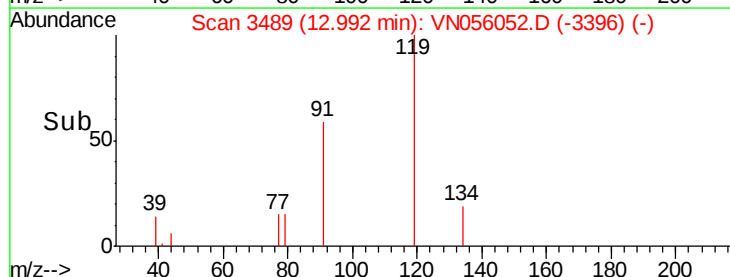
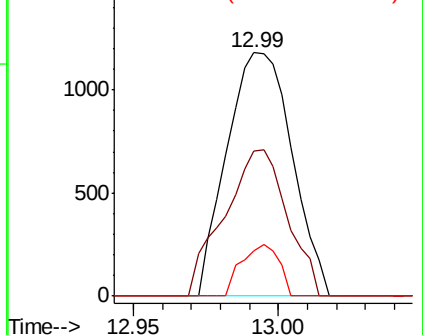
134 12.2 13.3 39.8#

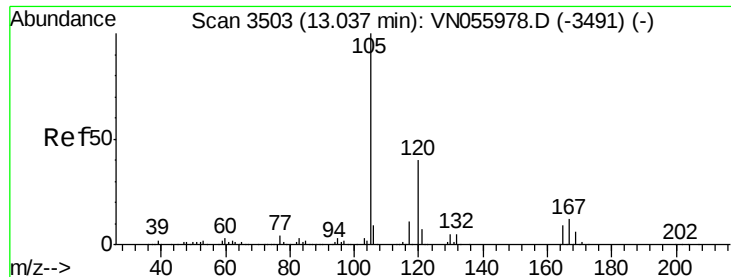


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V

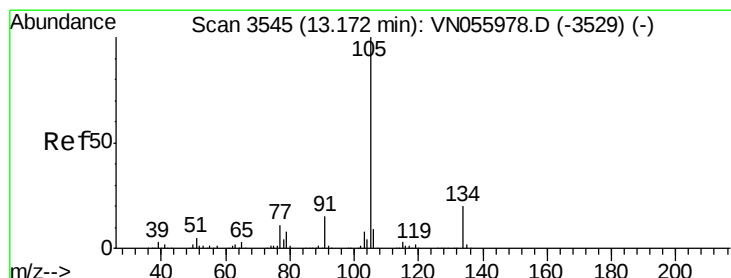
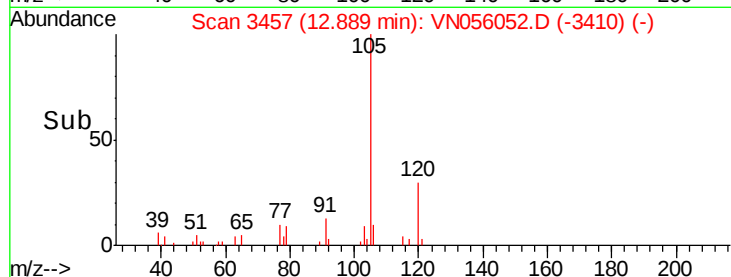
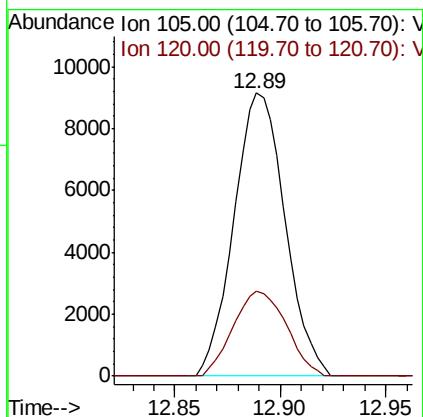
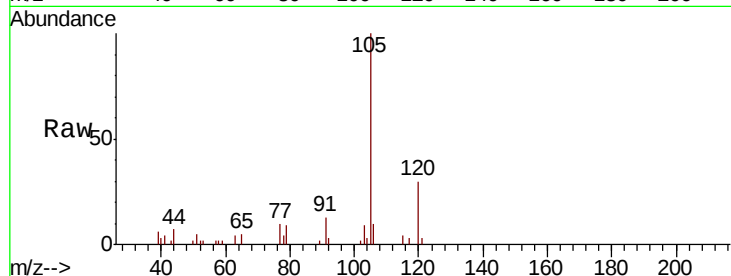




#84
 1,2,4-Trimethylbenzene
 Concen: 1.259 ug/l
 RT: 12.89 min Scan# 3457
 Delta R.T. -0.15 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

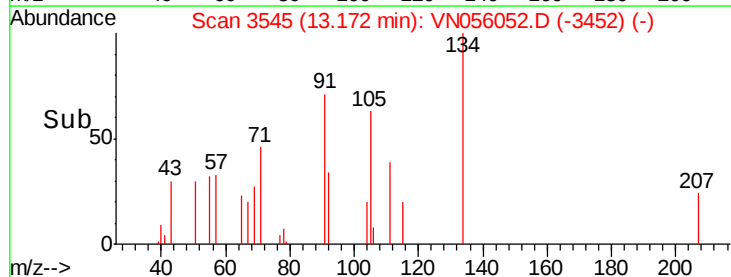
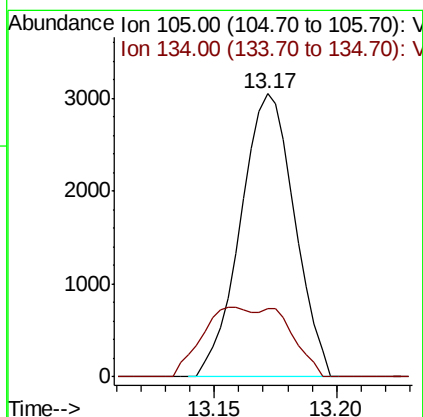
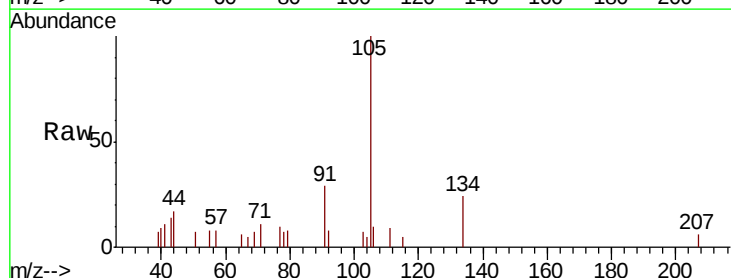
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW047-190604

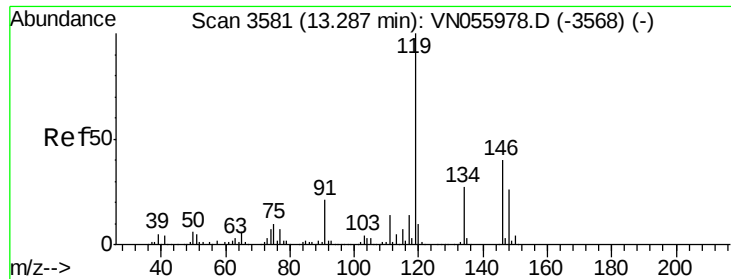
Tot Ion:105 Resp: 15393
 Ion Ratio Lower Upper
 105 100
 120 31.2 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 0.325 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

Tgt Ion:105 Resp: 4673
 Ion Ratio Lower Upper
 105 100
 134 22.6 10.4 31.2

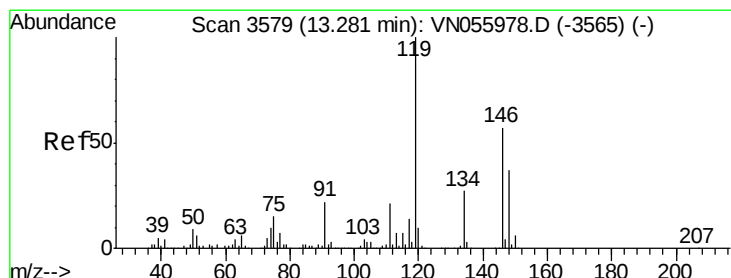
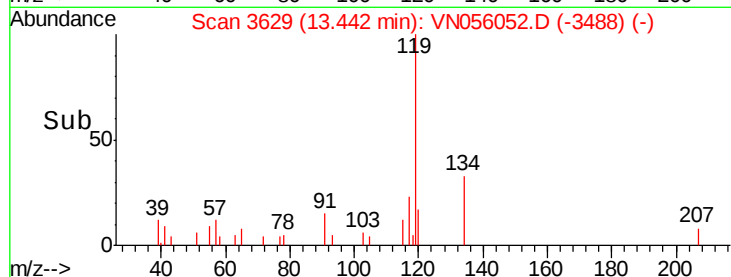
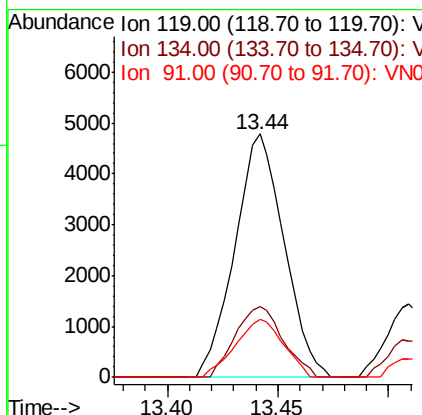
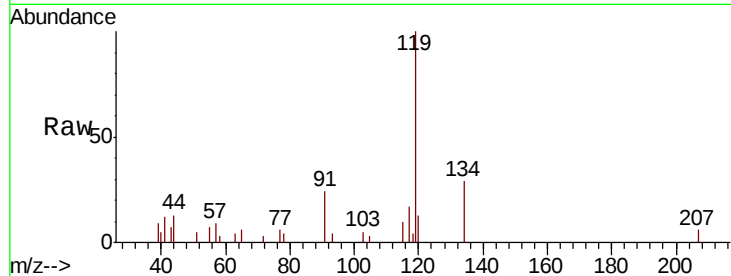




#86
 p-Isopropyltoluene
 Concen: 0.576 ug/l
 RT: 13.44 min Scan# 3629
 Delta R.T. 0.15 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

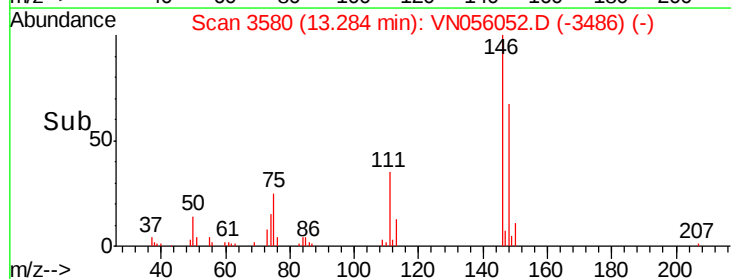
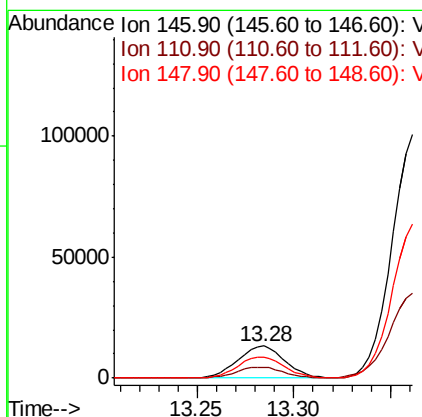
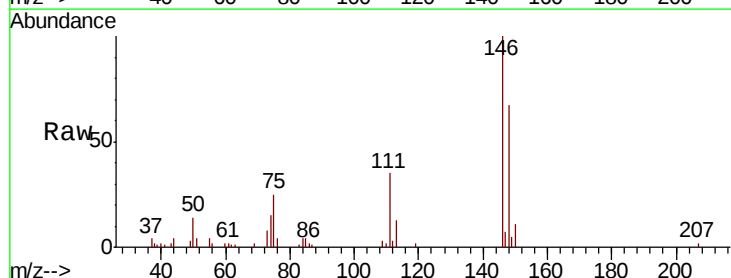
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW047-190604

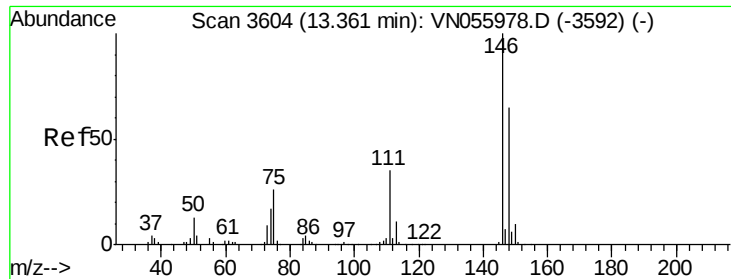
Tot Ion:119 Resp: 7408
 Ion Ratio Lower Upper
 119 100
 134 28.1 13.4 40.1
 91 23.2 10.9 32.9



#87
 1,3-Dichlorobenzene
 Concen: 3.553 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

Tgt Ion:146 Resp: 22581
 Ion Ratio Lower Upper
 146 100
 111 34.8 18.5 55.5
 148 66.3 32.0 96.2





#88

1,4-Dichlorobenzene

Concen: 27.610 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056052.D

Acq: 6 Jun 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

LF015MW047-190604

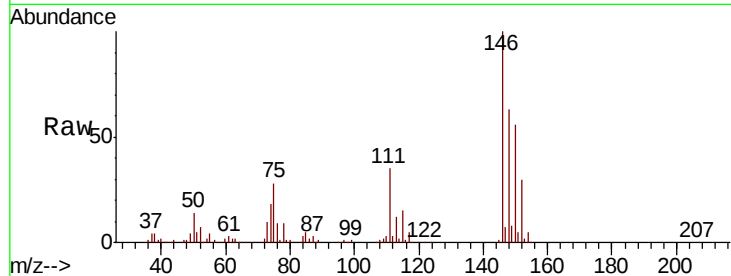
Tot Ion:146 Resp: 168779

Ion Ratio Lower Upper

146 100

111 36.2 18.1 54.4

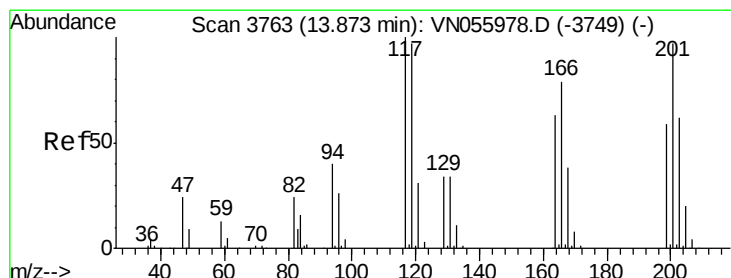
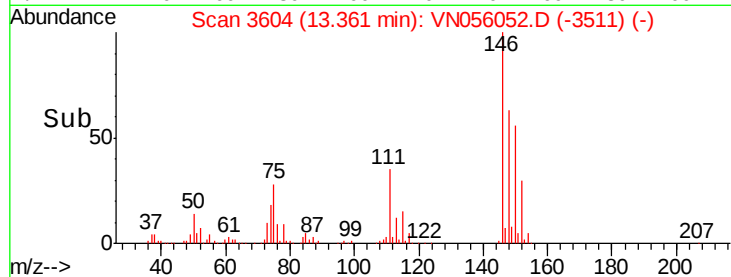
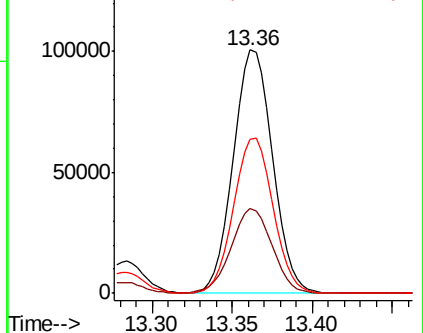
148 64.0 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 0.541 ug/l

RT: 13.95 min Scan# 3786

Delta R.T. 0.07 min

Lab File: VN056052.D

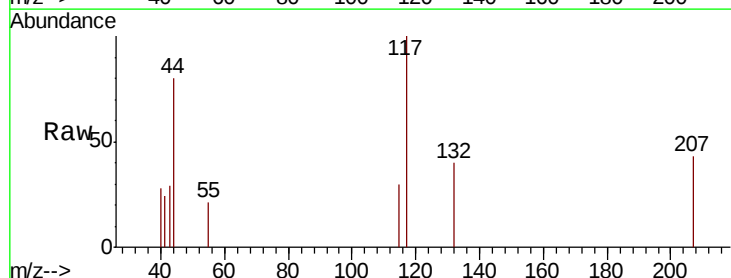
Acq: 6 Jun 2019 17:51

Tgt Ion:117 Resp: 1049

Ion Ratio Lower Upper

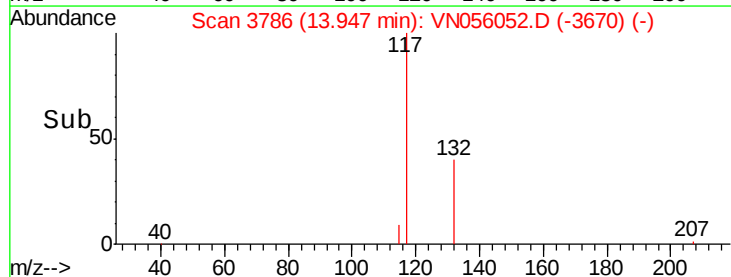
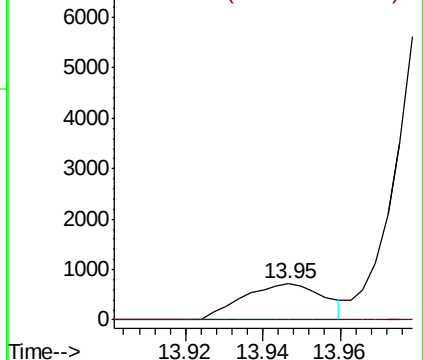
117 100

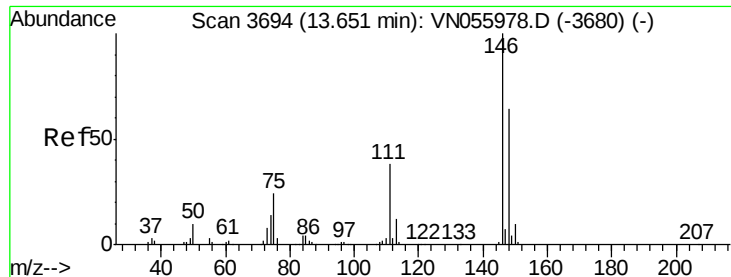
201 0.0 50.0 150.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 106.840 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056052.D

Acq: 6 Jun 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

LF015MW047-190604

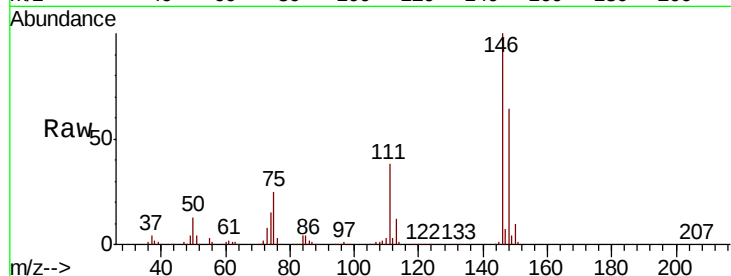
Tot Ion:146 Resp: 685457

Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.5

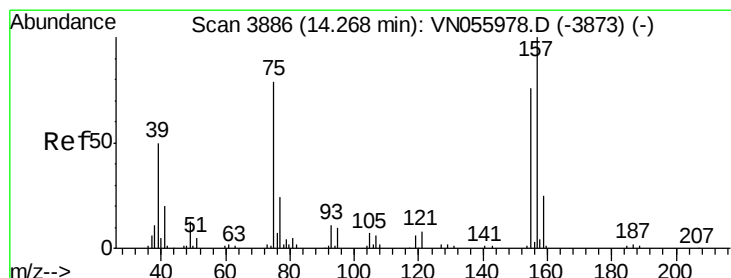
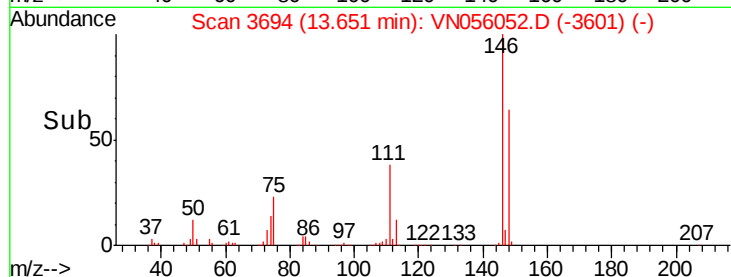
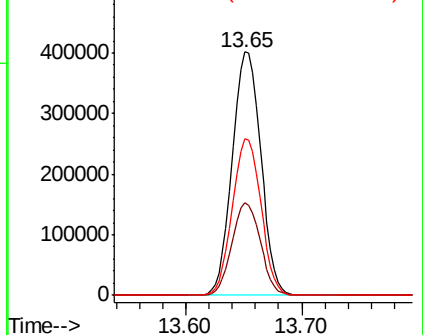
148 64.1 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.570 ug/l

RT: 14.00 min Scan# 3803

Delta R.T. -0.27 min

Lab File: VN056052.D

Acq: 6 Jun 2019 17:51

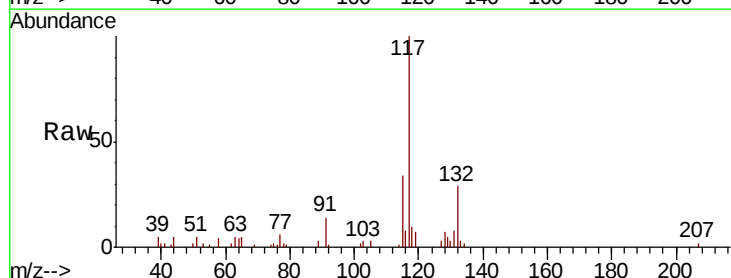
Tgt Ion: 75 Resp: 363

Ion Ratio Lower Upper

75 100

155 0.0 50.0 150.1#

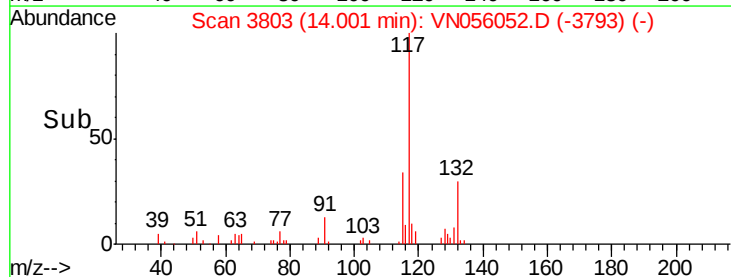
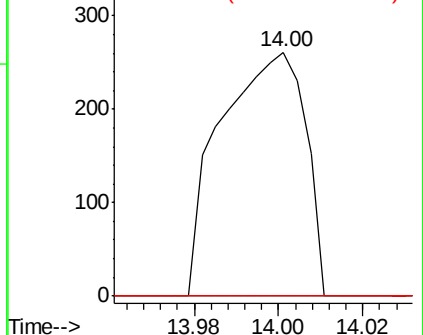
157 0.0 64.8 194.3#

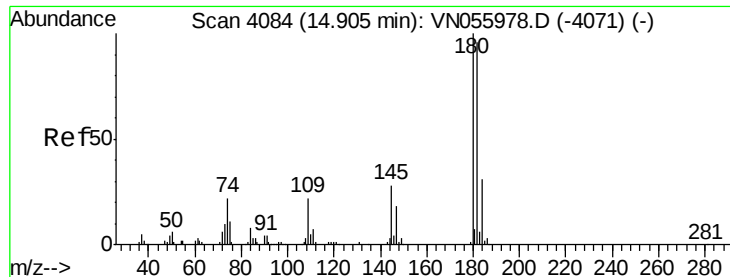


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

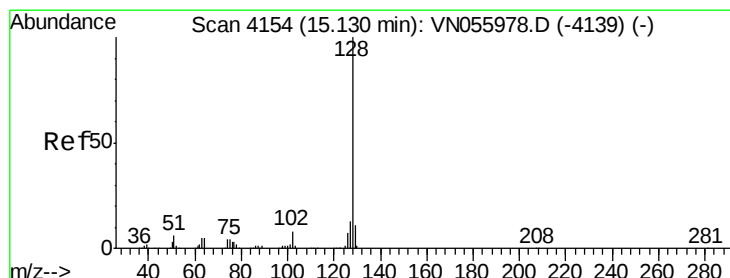
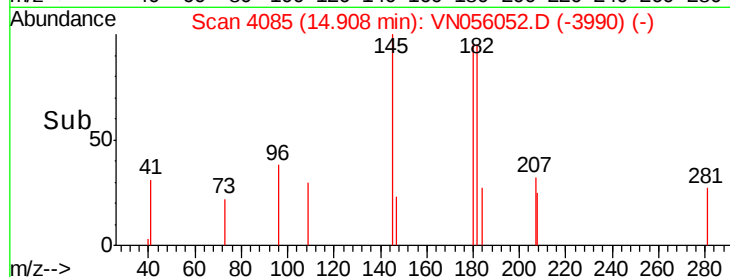
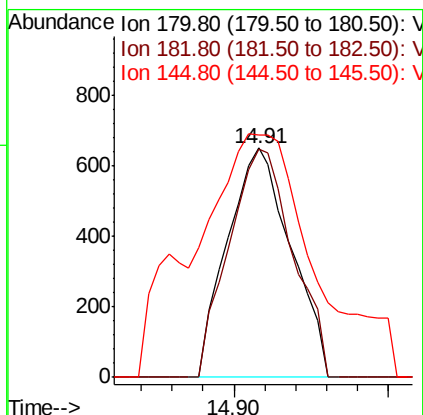
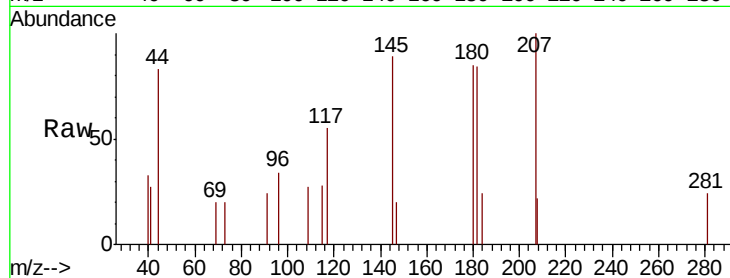




#93
 1,2,4-Trichlorobenzene
 Concen: 4.510 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

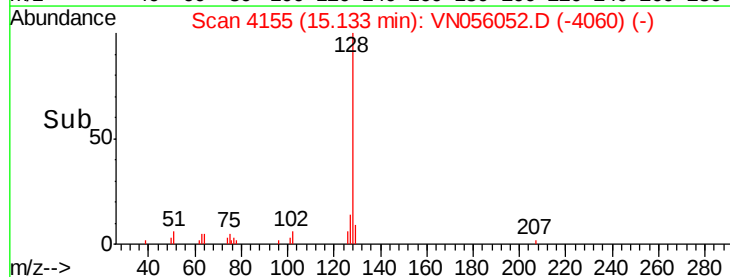
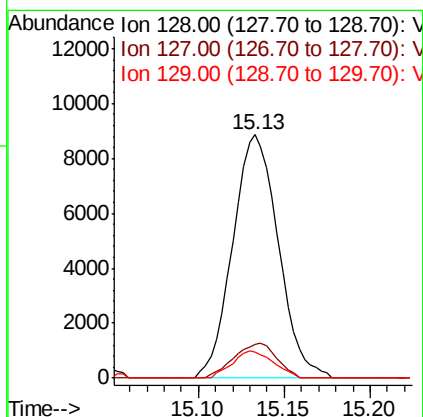
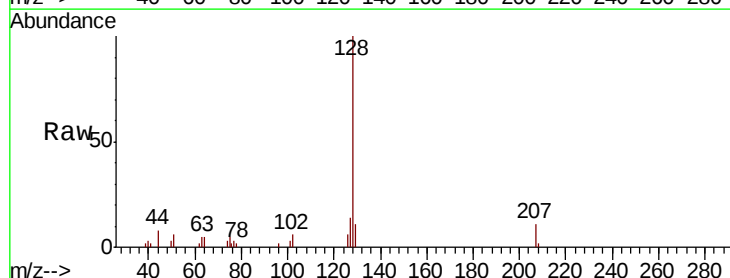
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW047-190604

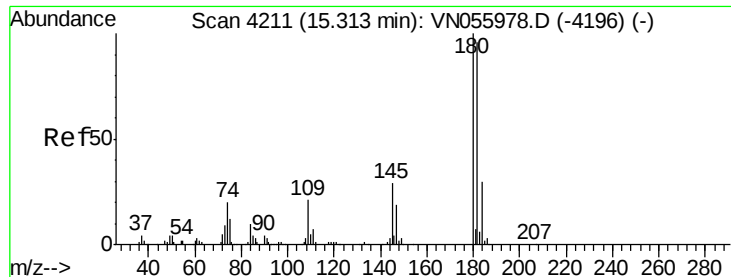
Tot Ion:180 Resp: 927
 Ion Ratio Lower Upper
 180 100
 182 100.4 48.3 144.9
 145 168.9 14.0 41.9#



#95
 Naphthalene
 Concen: 5.495 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

Tgt Ion:128 Resp: 16338
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.3 15.5
 129 10.1 8.7 13.1

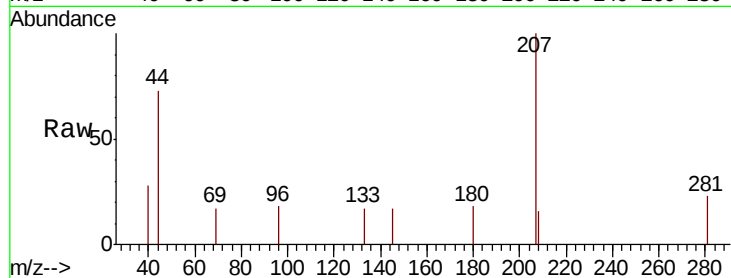




#96
 1,2,3-Trichlorobenzene
 Concen: 3.047 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW047-190604

Tot Ion:180 Resp: 62
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.7#
 145 1730.6 14.9 44.7#



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

