

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\
 Data File : VN053638.D
 Acq On : 6 Feb 2019 16:43
 Operator : JC/SP
 Sample : K1338-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 AU-06-020519-C

Quant Time: Feb 07 03:43:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	756112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1250572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1150215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	525479	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	402003	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
35) Dibromofluoromethane	7.59	113	395250	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	10.09	98	1505776	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	522103	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	198	0.810	ug/l #	54
14) Allyl chloride	4.55	41	24425	2.191	ug/l #	27
16) Acetone	3.82	43	31132	16.001	ug/l	95
18) Methyl Acetate	4.33	43	2012	0.349	ug/l #	74
20) Methylene Chloride	4.55	84	647339	79.304	ug/l	99
25) 2-Butanone	6.83	43	1583	0.570	ug/l	92
29) Tetrahydrofuran	7.21	42	509	0.286	ug/l #	65
31) Cyclohexane	7.67	56	11197	0.706	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45812	4.064	ug/l #	47
38) Carbon Tetrachloride	7.67	117	61602	5.424	ug/l #	15
43) Isopropyl Acetate	8.17	43	40455	3.327	ug/l #	76
45) 1,2-Dichloropropane	9.27	63	1879	0.211	ug/l #	43
48) Methyl methacrylate	9.18	41	11184	1.927	ug/l #	22
51) 4-Methyl-2-Pentanone	9.98	43	9691	1.622	ug/l	90
52) Toluene	10.16	92	6030	0.292	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	72608	5.491	ug/l #	61
57) 1,3-Dichloropropane	10.77	76	14366	1.131	ug/l #	43
59) 2-Hexanone	10.77	43	176649	43.550	ug/l #	51
60) Dibromochloromethane	10.63	129	12845	1.532	ug/l #	11
64) Tetrachloroethene	10.63	164	14599	1.481	ug/l	95
67) Ethyl Benzene	11.51	91	528512	13.169	ug/l	100
68) m/p-Xylenes	11.62	106	1064326	69.484	ug/l	100
69) o-Xylene	11.95	106	489016	33.045	ug/l	100
70) Styrene	11.95	104	27058	1.128	ug/l #	1
71) Bromoform	12.40	173	3593	0.614	ug/l #	1
73) Isopropylbenzene	12.25	105	24466	0.662	ug/l	97
76) 1,2,3-Trichloropropane	12.65	75	8166	1.210	ug/l #	100
78) n-propylbenzene	12.59	91	153057	3.584	ug/l	99
79) 2-Chlorotoluene	12.65	91	107207	4.232	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	631744	20.623	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	241573	100.643	ug/l #	15
82) 4-Chlorotoluene	12.73	91	63238	2.432	ug/l #	39
83) tert-Butylbenzene	13.04	119	419549	15.496	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.04	105	3339214	106.995	ug/l	99

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QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

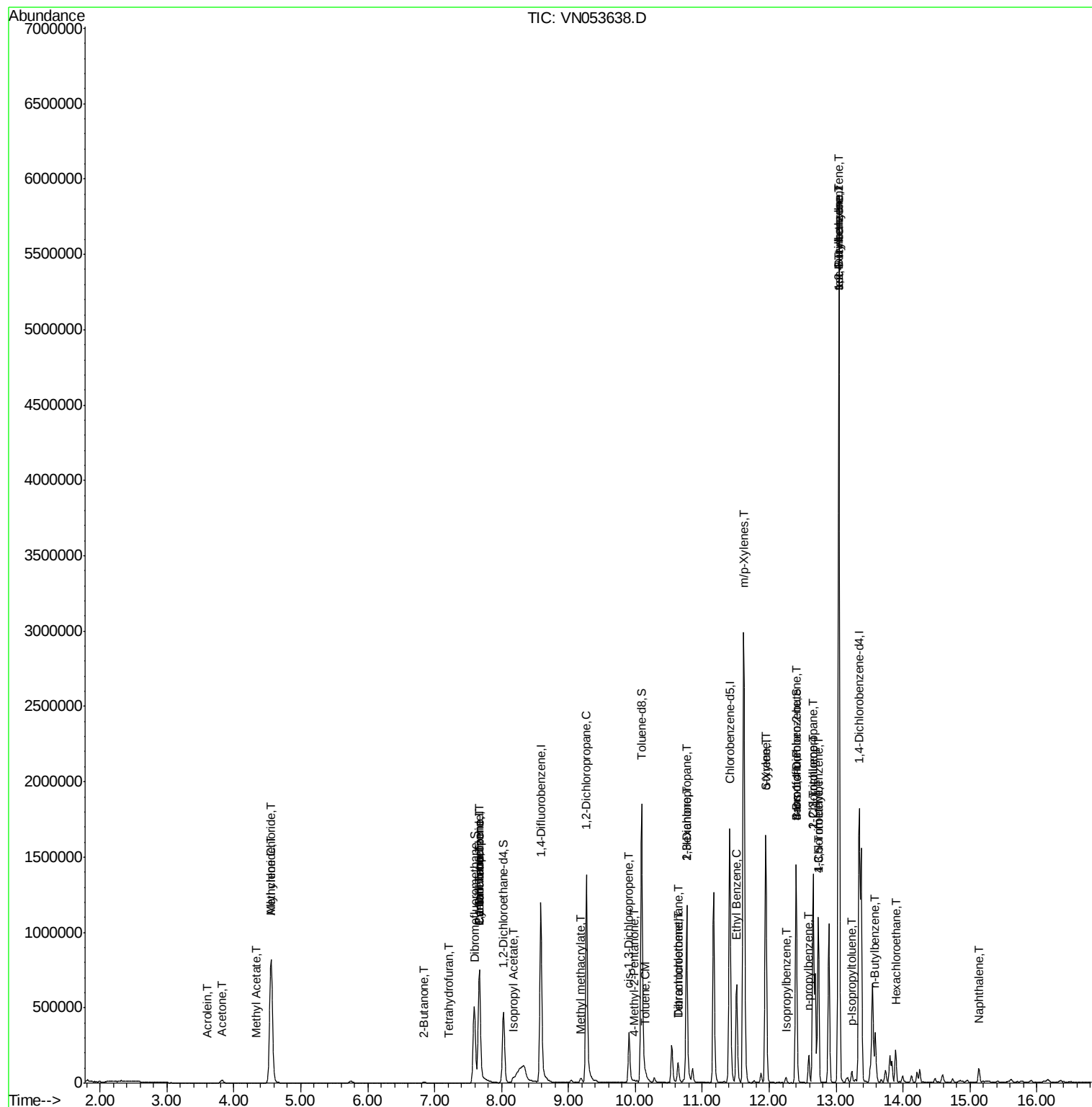
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.04	105	3339214	90.635	ug/l #	56
86) p-Isopropyltoluene	13.23	119	45884	1.424	ug/l	96
89) n-Butylbenzene	13.58	91	16352	0.586	ug/l #	1
90) Hexachloroethane	13.89	117	12168	2.289	ug/l #	3
95) Naphthalene	15.13	128	83865	5.243	ug/l	99

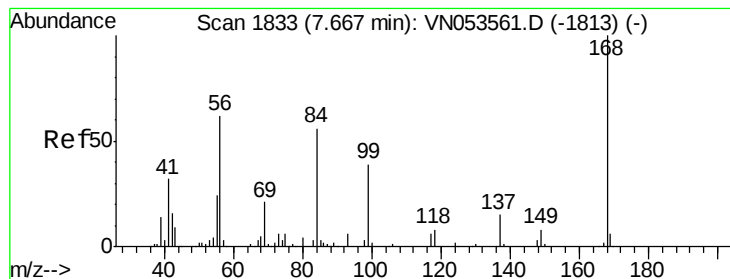
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN020619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

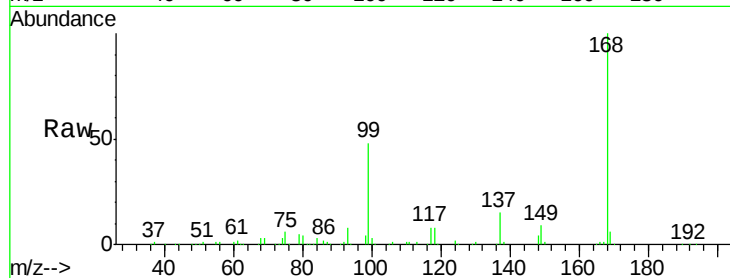
AU-06-020519-C

Tot Ion:168 Resp: 756112

Ion Ratio Lower Upper

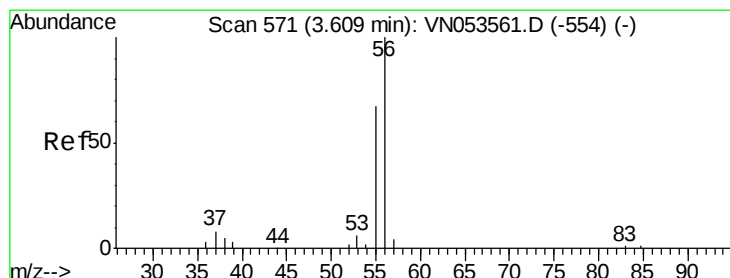
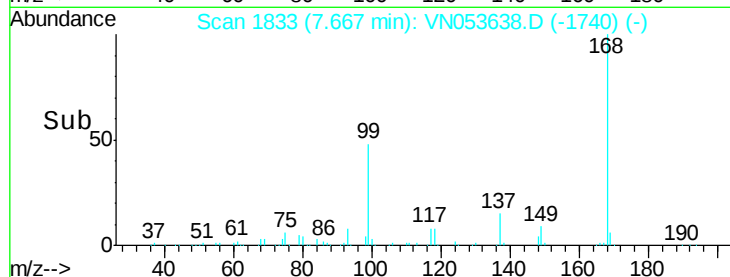
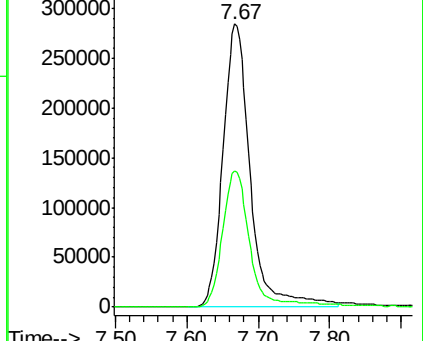
168 100

99 48.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 0.810 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053638.D

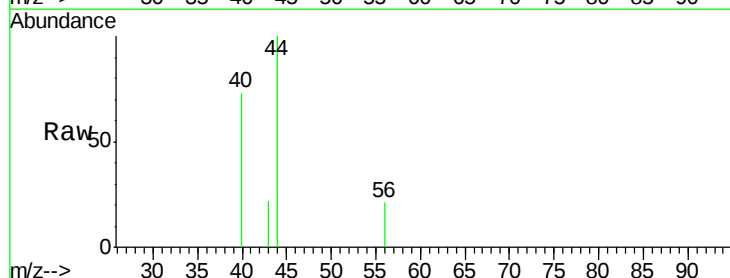
Acq: 6 Feb 2019 16:43

Tgt Ion: 56 Resp: 198

Ion Ratio Lower Upper

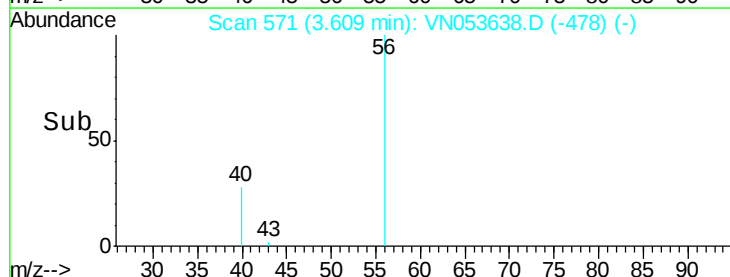
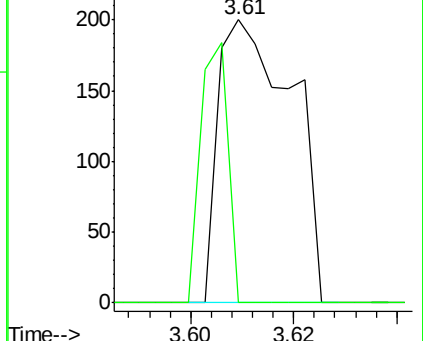
56 100

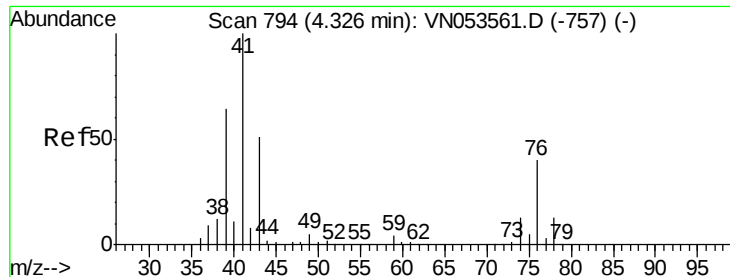
55 33.8 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

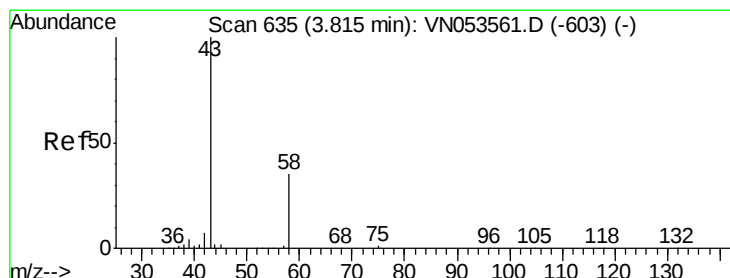
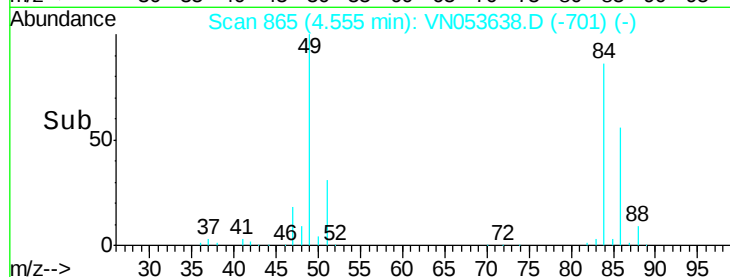
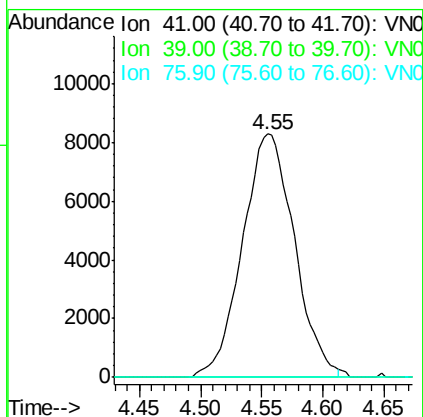
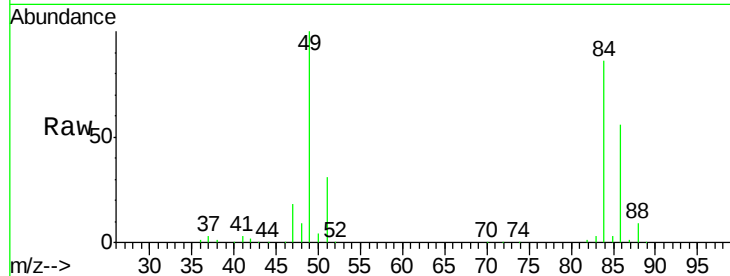




#14
Allvl chloride
Concen: 2.191 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.23 min
Lab File: VN053638.D
Acq: 6 Feb 2019 16:43

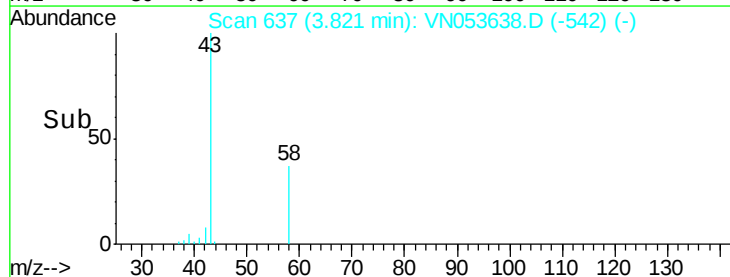
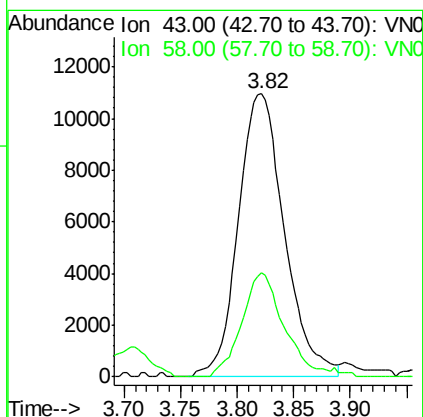
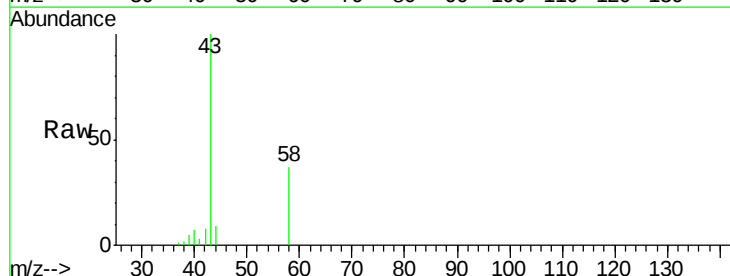
Instrument :
MSVOA_N
ClientSampled :
AU-06-020519-C

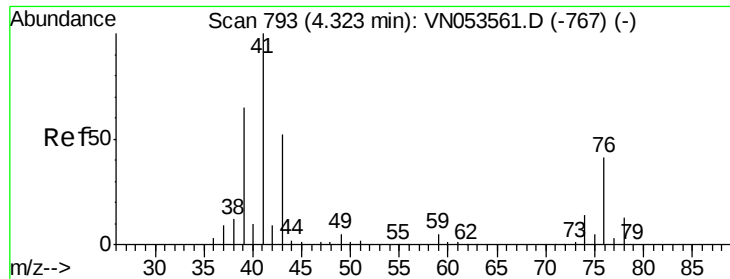
Tot Ion: 41 Resp: 24425
Ion Ratio Lower Upper
41 100
39 0.0 48.9 73.3#
76 0.0 29.4 44.2#



#16
Acetone
Concen: 16.001 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN053638.D
Acq: 6 Feb 2019 16:43

Tgt Ion: 43 Resp: 31132
Ion Ratio Lower Upper
43 100
58 36.7 27.1 40.7

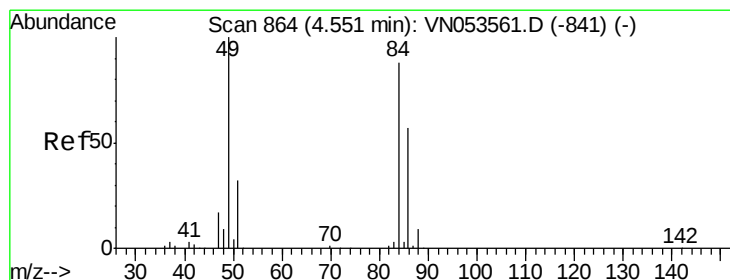
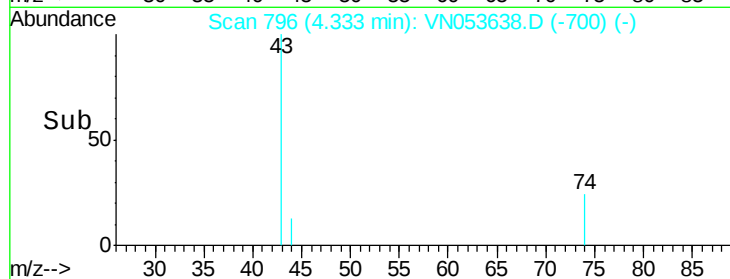
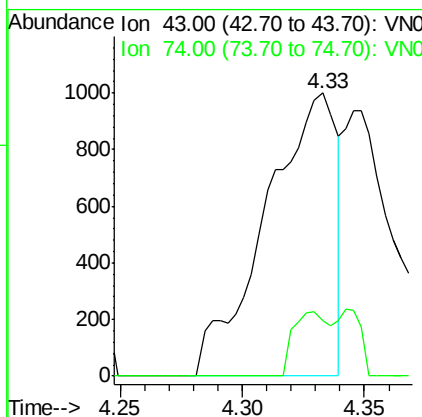
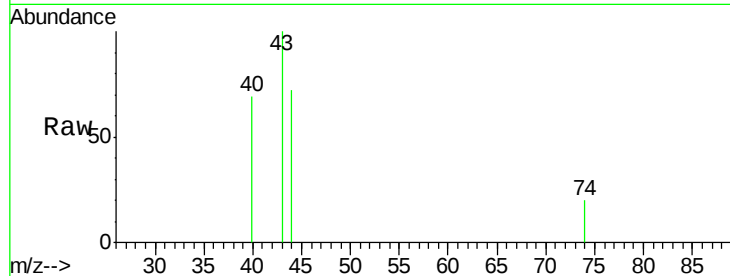




#18
Methyl Acetate
Concen: 0.349 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053638.D
Acq: 6 Feb 2019 16:43

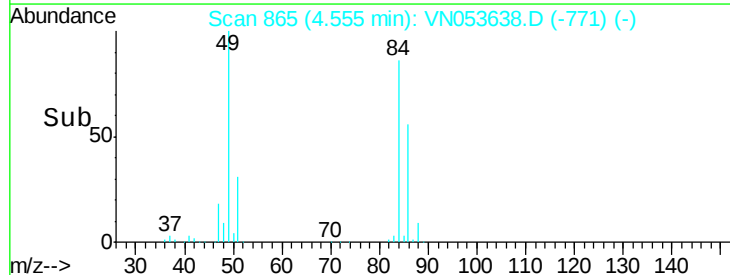
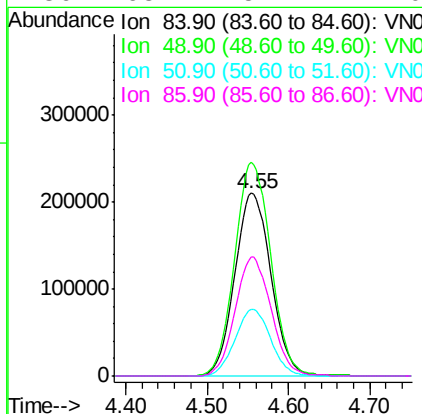
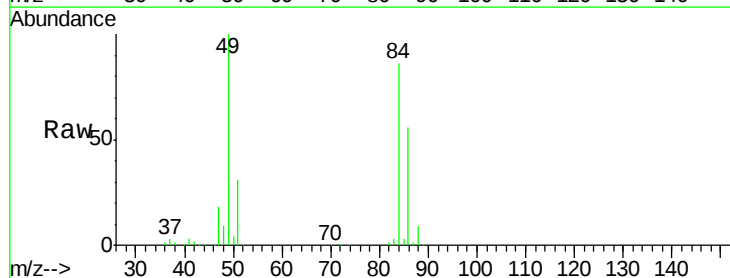
Instrument :
MSVOA_N
ClientSampleId :
AU-06-020519-C

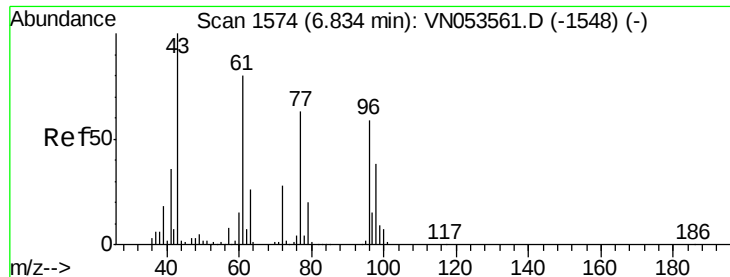
Tot Ion: 43 Resp: 2012
Ion Ratio Lower Upper
43 100
74 11.3 19.4 29.2#



#20
Methylene Chloride
Concen: 79.304 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053638.D
Acq: 6 Feb 2019 16:43

Tgt Ion: 84 Resp: 647339
Ion Ratio Lower Upper
84 100
49 116.8 94.3 141.5
51 36.3 29.4 44.2
86 65.4 51.4 77.0





#25

2-Butanone

Concen: 0.570 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

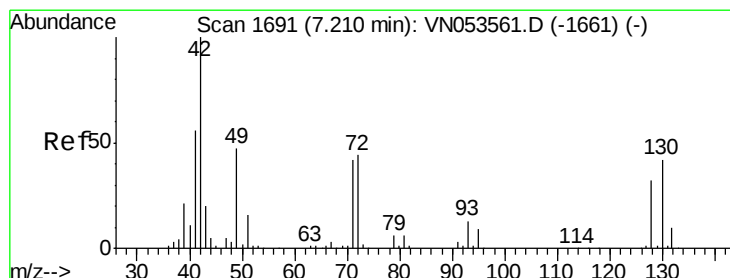
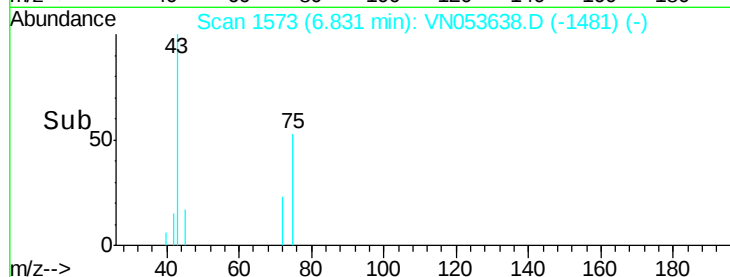
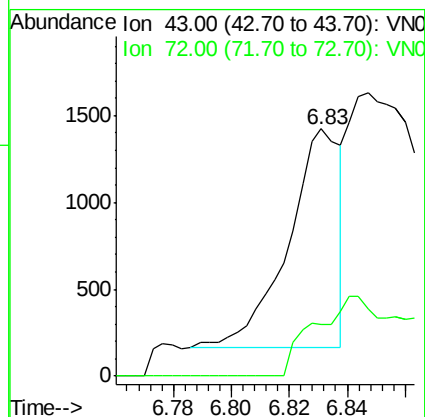
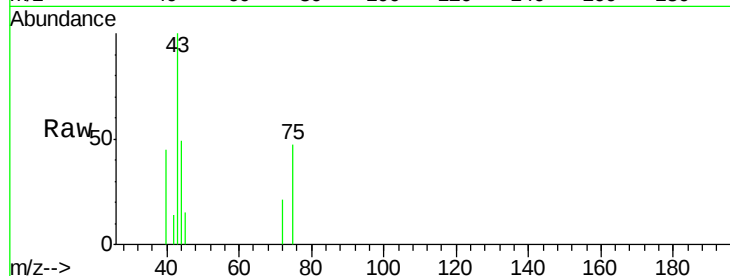
AU-06-020519-C

Tot Ion: 43 Resp: 1583

Ion Ratio Lower Upper

43 100

72 23.4 22.0 33.0



#29

Tetrahydrofuran

Concen: 0.286 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

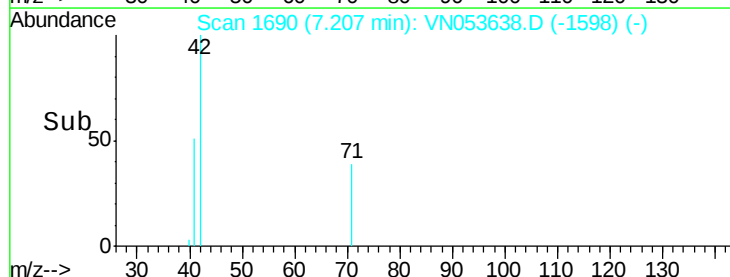
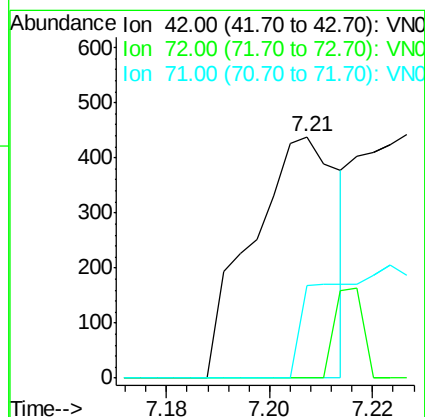
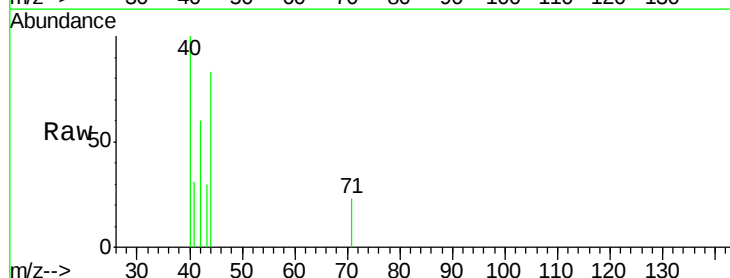
Tgt Ion: 42 Resp: 509

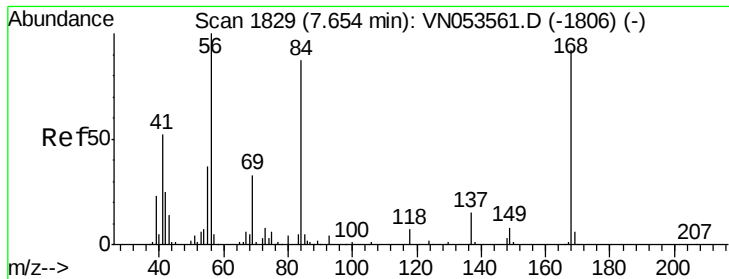
Ion Ratio Lower Upper

42 100

72 12.2 35.2 52.8#

71 53.8 33.0 49.4#





#31

Cyclohexane

Concen: 0.706 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

AU-06-020519-C

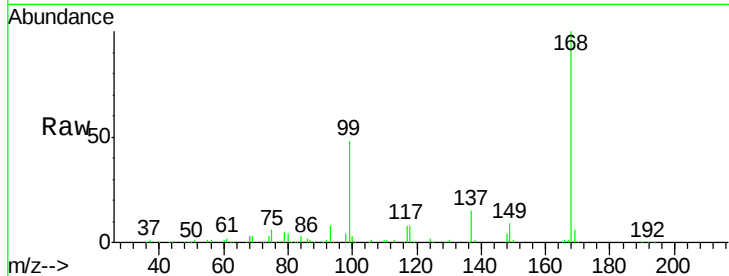
Tot Ion: 56 Resp: 11197

Ion Ratio Lower Upper

56 100

69 199.3 26.4 39.6#

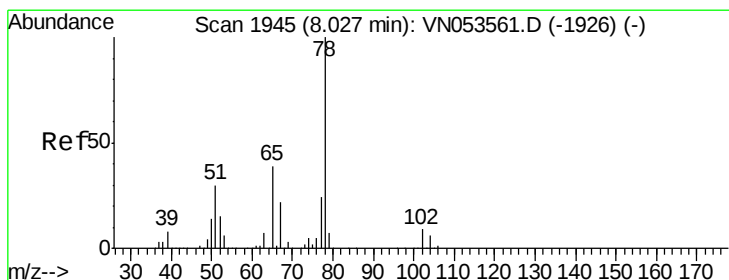
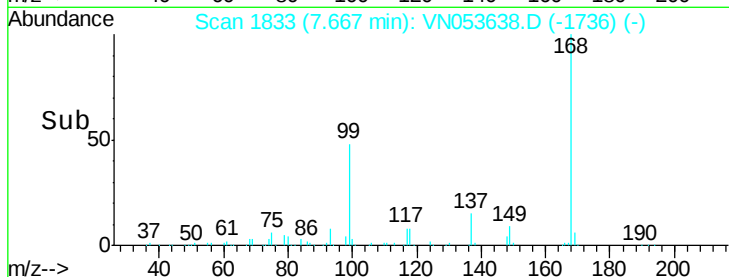
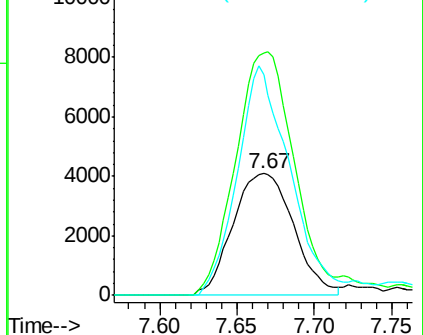
84 181.2 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053638.D

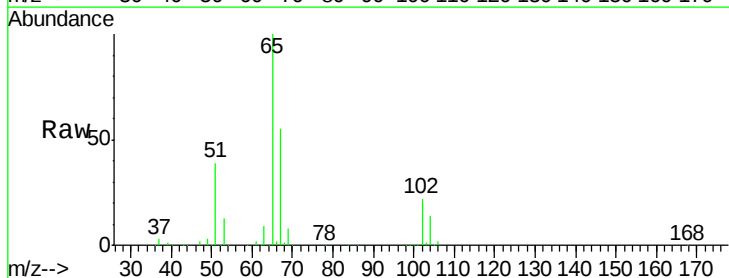
Acq: 6 Feb 2019 16:43

Tgt Ion: 65 Resp: 402003

Ion Ratio Lower Upper

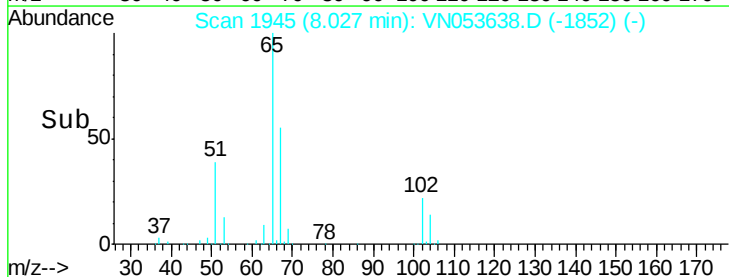
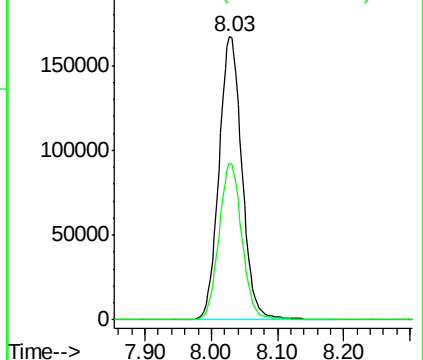
65 100

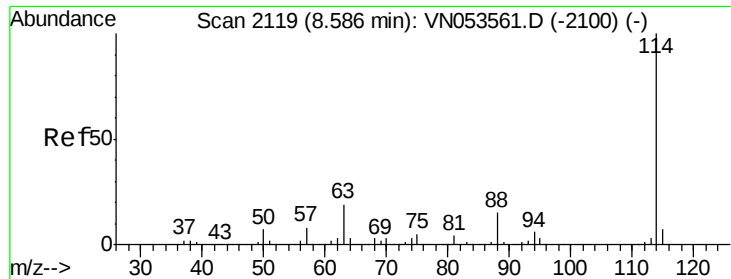
67 55.0 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VNC

Ion 66.90 (66.60 to 67.60): VNC

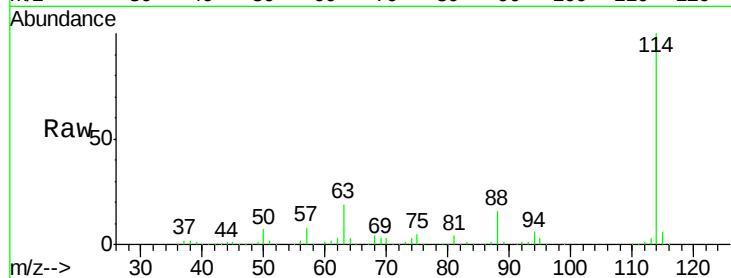




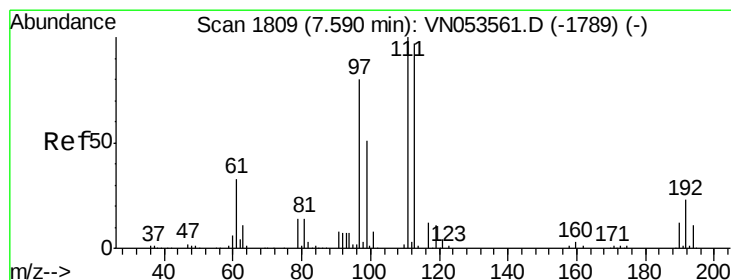
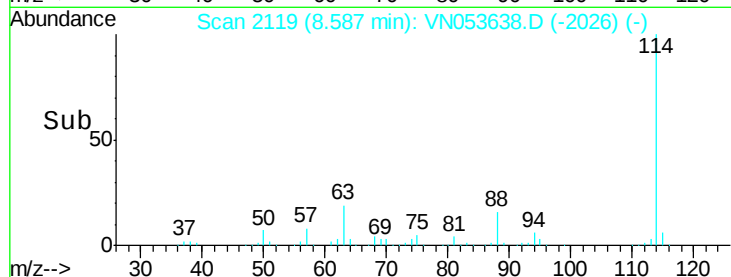
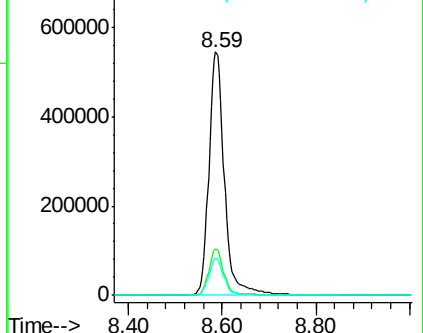
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053638.D
 Acq: 6 Feb 2019 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 AU-06-020519-C

Tot Ion:114 Resp: 1250572
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.5 0.0 30.4

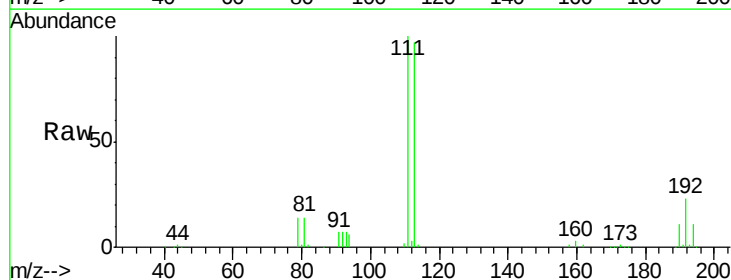


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

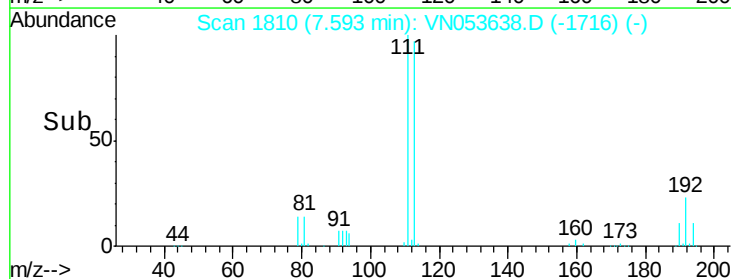
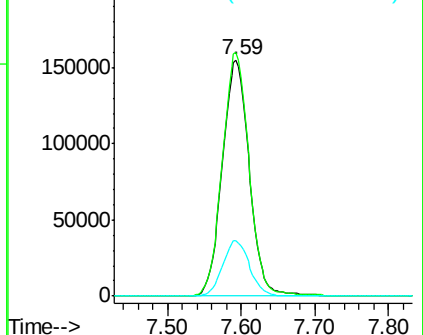


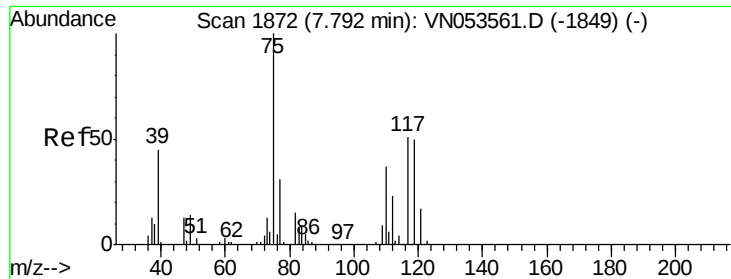
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053638.D
 Acq: 6 Feb 2019 16:43

Tgt Ion:113 Resp: 395250
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.1 121.7
 192 23.2 18.2 27.2



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: 4.064 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

AU-06-020519-C

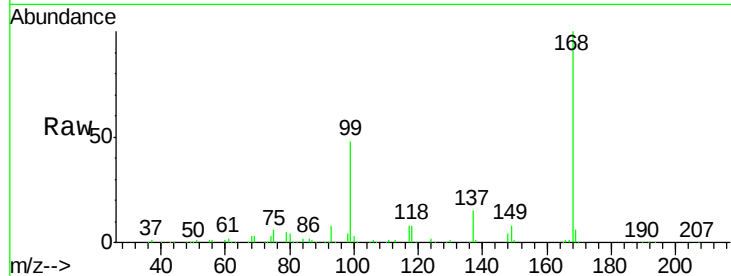
Tot Ion: 75 Resp: 45812

Ion Ratio Lower Upper

75 100

110 7.0 18.1 54.3#

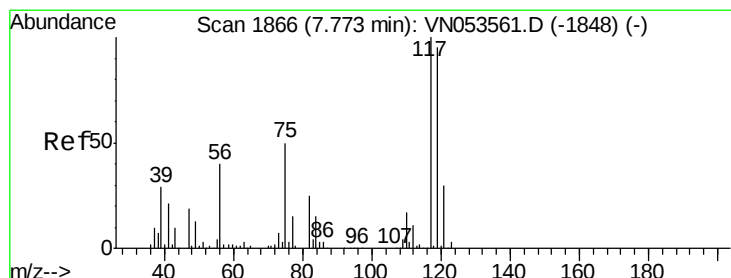
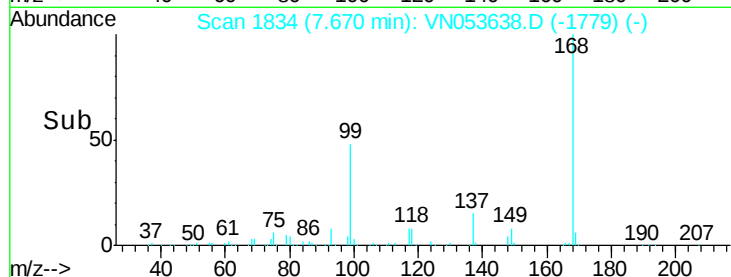
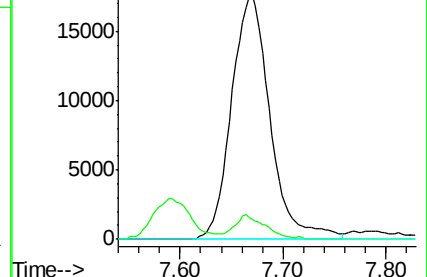
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN053638.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN053638.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN053638.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 5.424 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

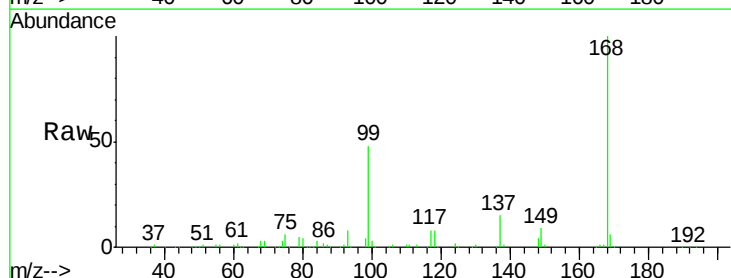
Tgt Ion: 117 Resp: 61602

Ion Ratio Lower Upper

117 100

119 4.5 77.2 115.8#

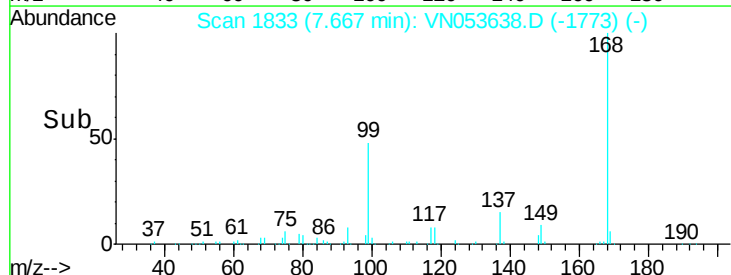
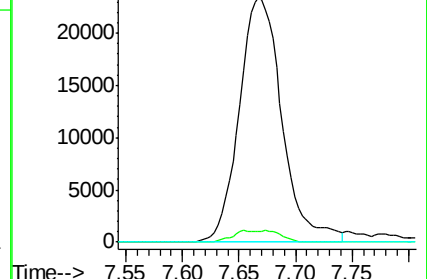
121 0.0 24.6 37.0#

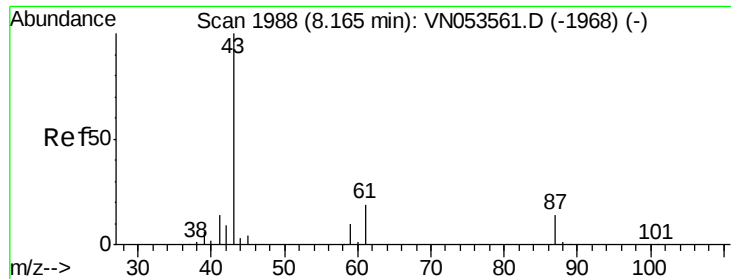


Abundance Ion 116.80 (116.50 to 117.50): VN053638.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053638.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053638.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 3.327 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

AU-06-020519-C

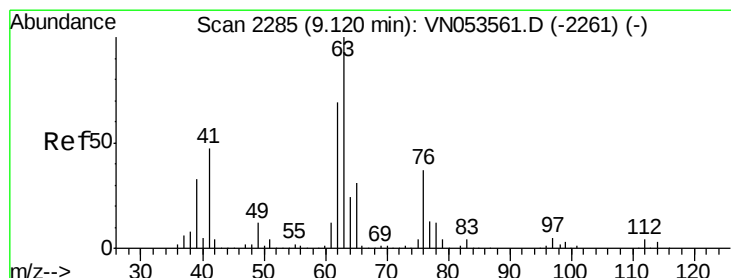
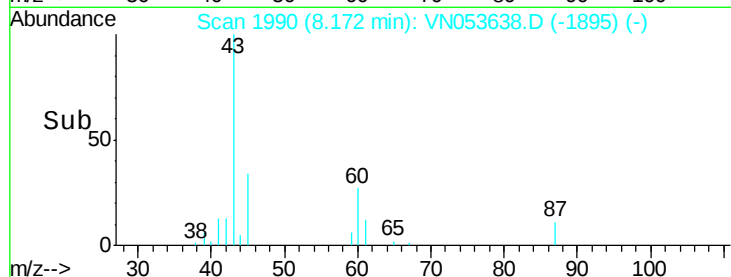
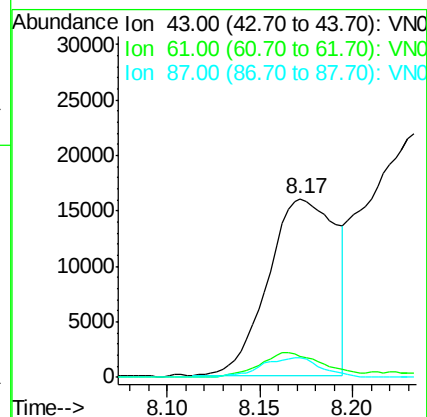
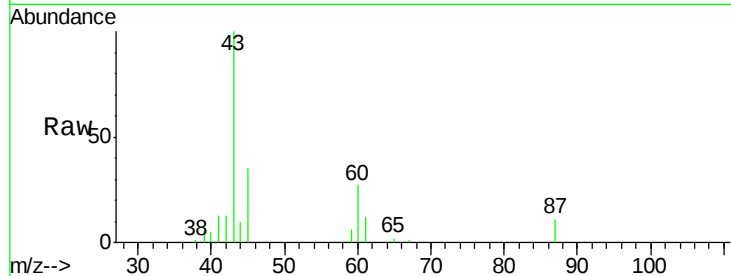
Tot Ion: 43 Resp: 40455

Ion Ratio Lower Upper

43 100

61 13.3 23.9 35.9#

87 9.7 11.0 16.6#



#45

1,2-Dichloropropane

Concen: 0.211 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053638.D

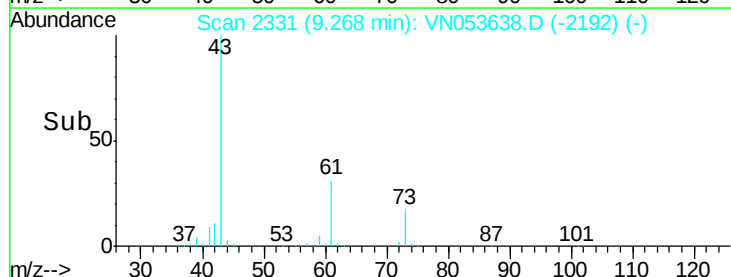
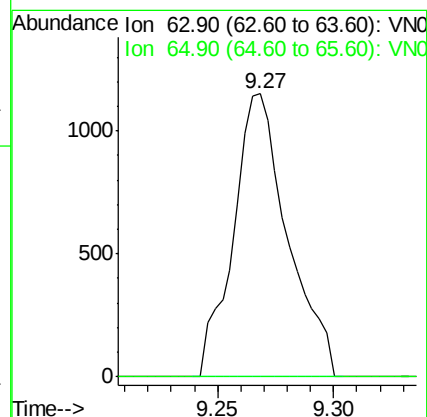
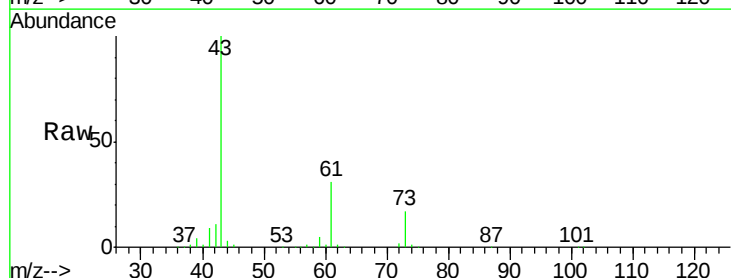
Acq: 6 Feb 2019 16:43

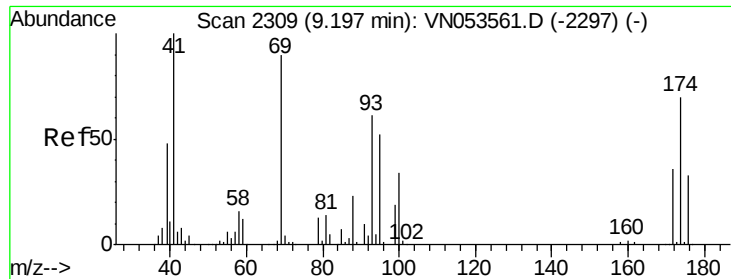
Tgt Ion: 63 Resp: 1879

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#

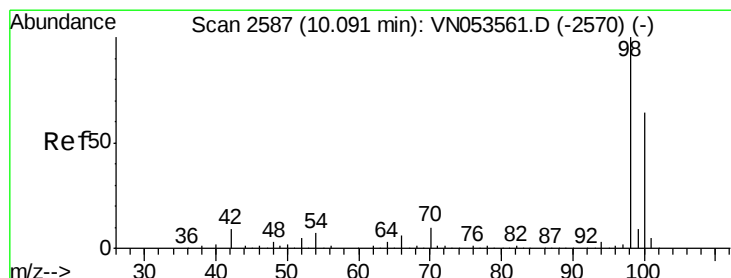
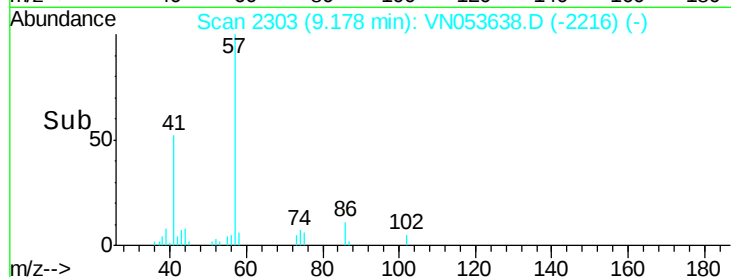
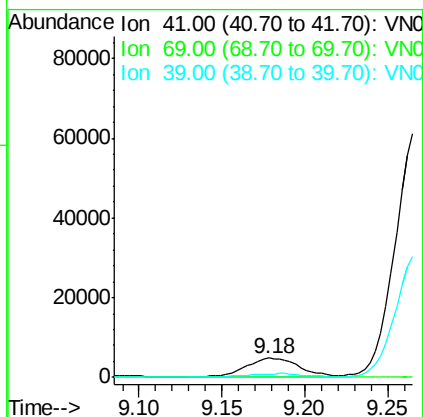
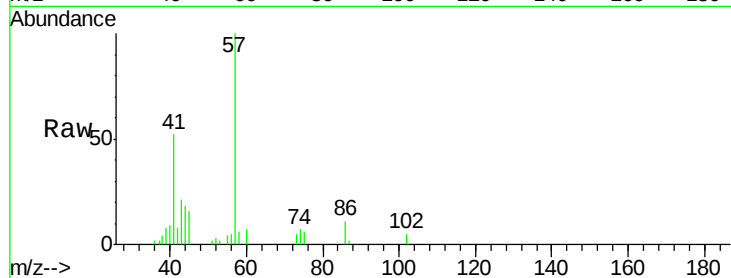




#48
Methvl methacrylate
Concen: 1.927 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053638.D
Acq: 6 Feb 2019 16:43

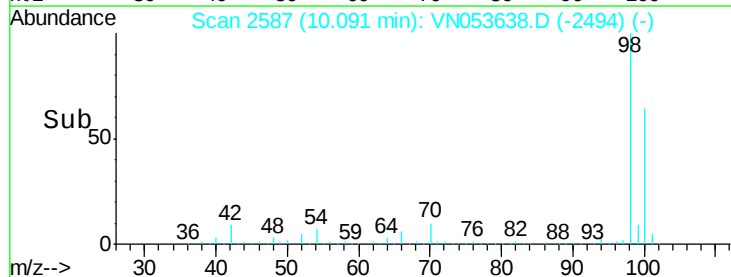
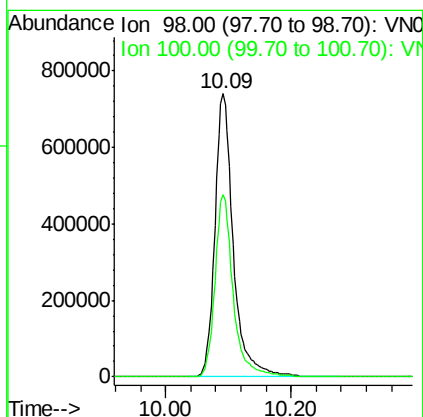
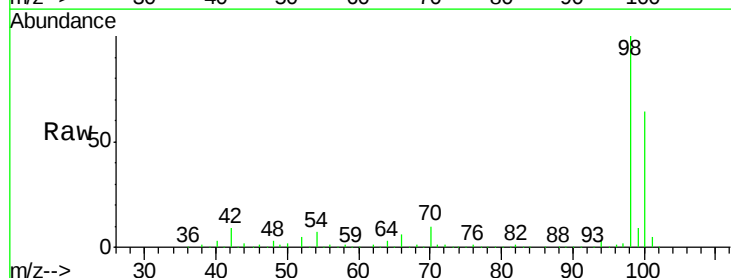
Instrument :
MSVOA_N
ClientSampleId :
AU-06-020519-C

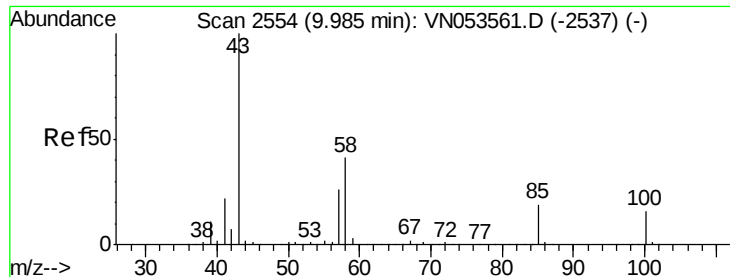
Tot Ion: 41 Resp: 11184
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 19.5 40.0 60.0#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053638.D
Acq: 6 Feb 2019 16:43

Tgt Ion: 98 Resp: 1505776
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.622 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

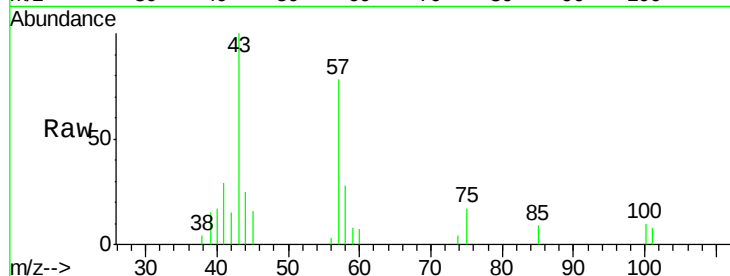
AU-06-020519-C

Tot Ion: 43 Resp: 9691

Ion Ratio Lower Upper

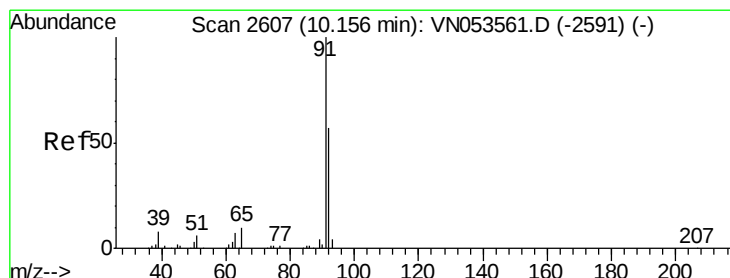
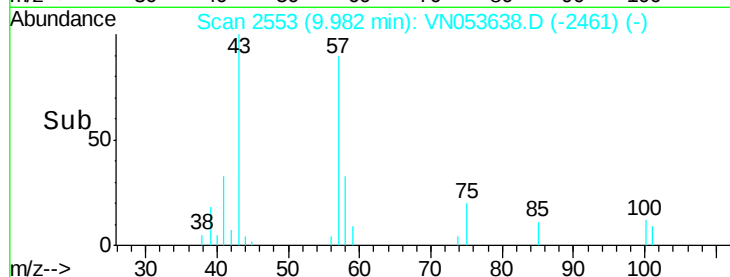
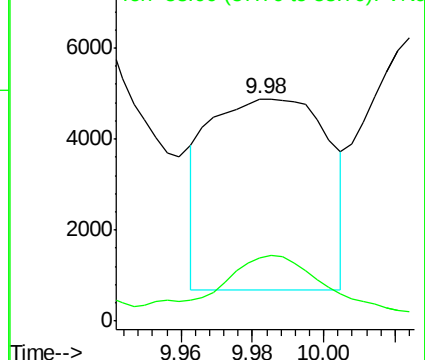
43 100

58 34.4 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.292 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN053638.D

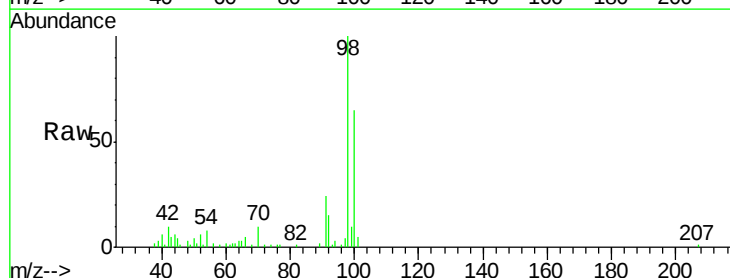
Acq: 6 Feb 2019 16:43

Tgt Ion: 92 Resp: 6030

Ion Ratio Lower Upper

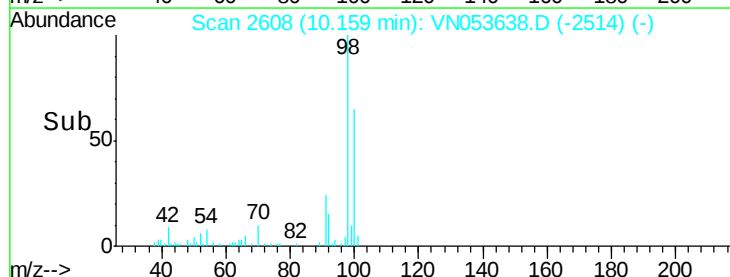
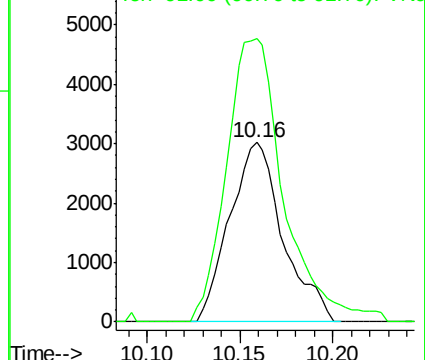
92 100

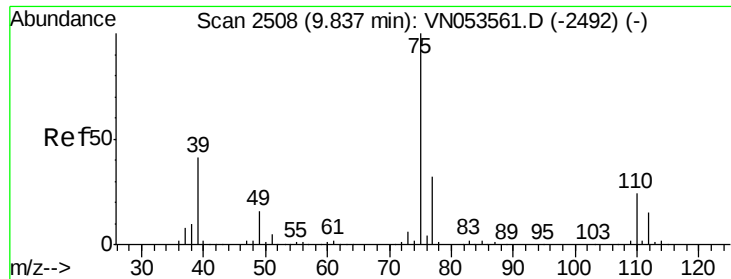
91 169.6 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

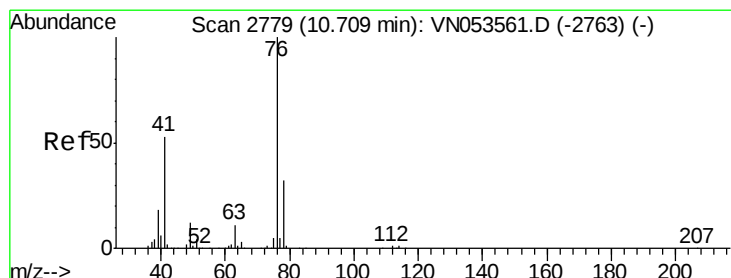
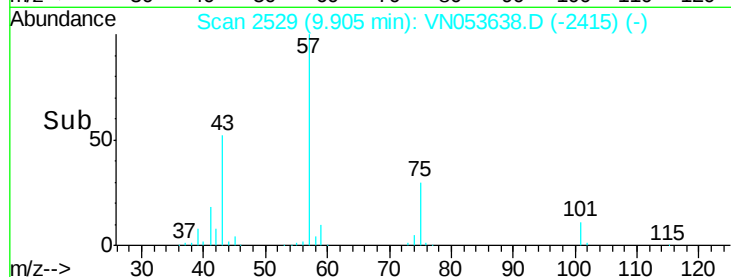
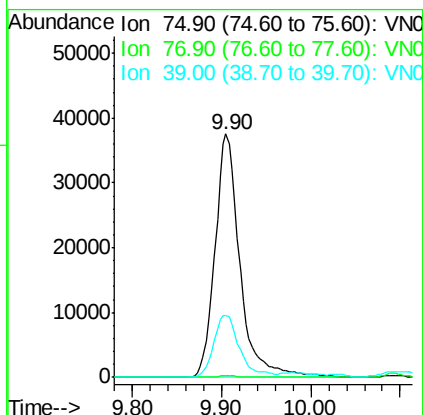
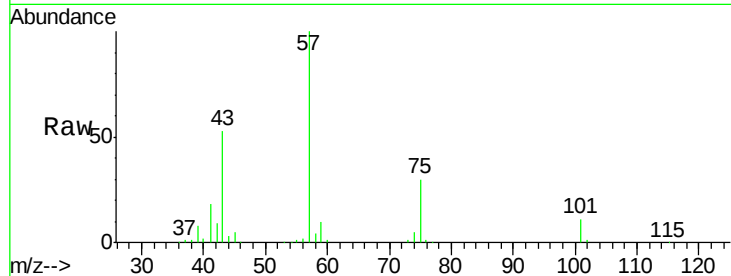




#54
 cis-1,3-Dichloropropene
 Concen: 5.491 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053638.D
 Acq: 6 Feb 2019 16:43

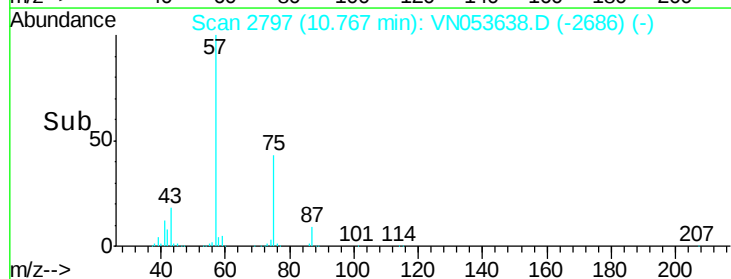
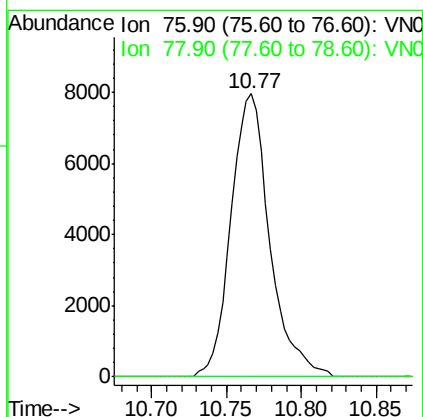
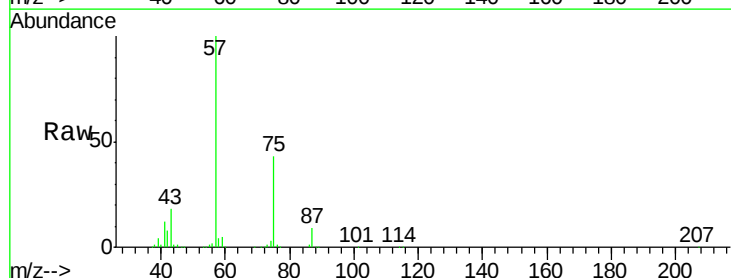
Instrument :
 MSVOA_N
 ClientSampleId :
 AU-06-020519-C

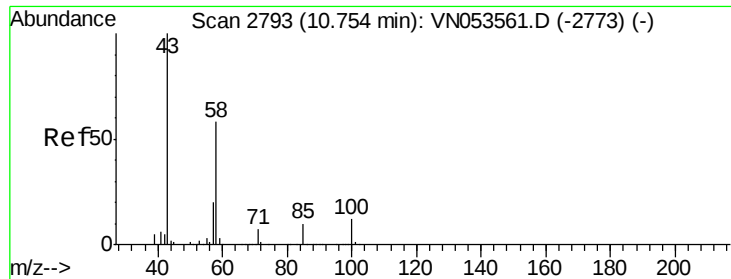
Tot Ion: 75 Resp: 72608
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.8 38.6#
 39 25.5 33.4 50.0#



#57
 1,3-Dichloropropane
 Concen: 1.131 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN053638.D
 Acq: 6 Feb 2019 16:43

Tgt Ion: 76 Resp: 14366
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

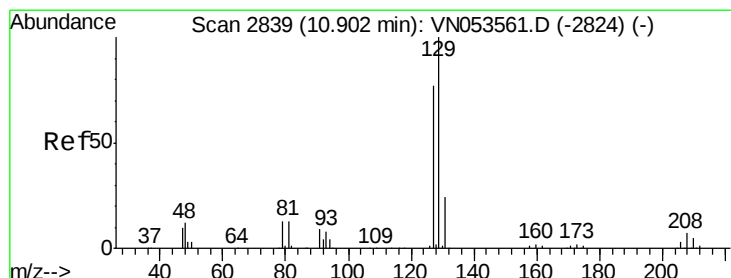
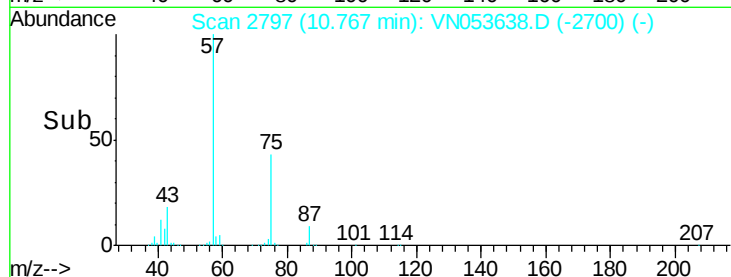
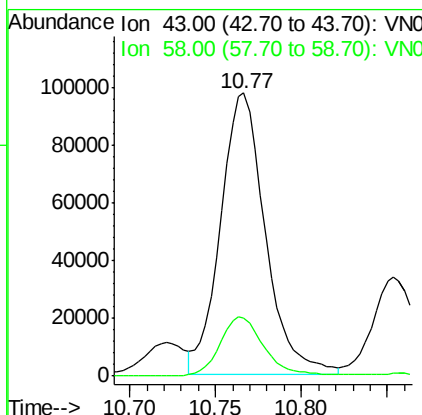
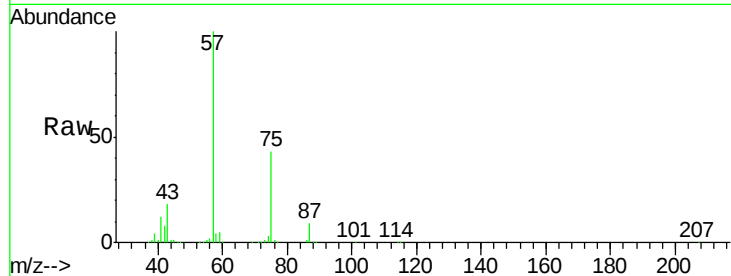




#59
2-Hexanone
Concen: 43.550 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN053638.D
Acq: 6 Feb 2019 16:43

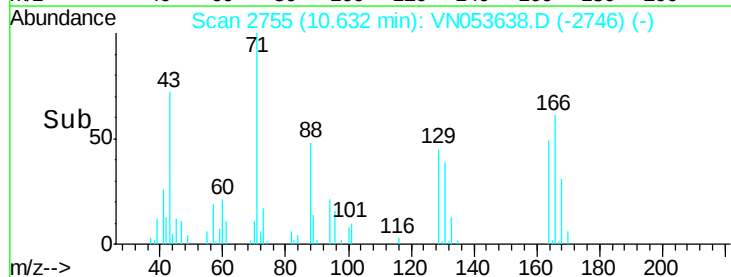
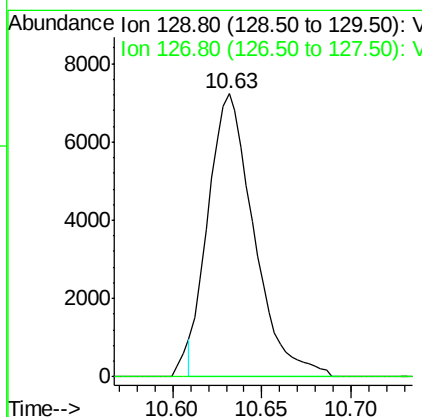
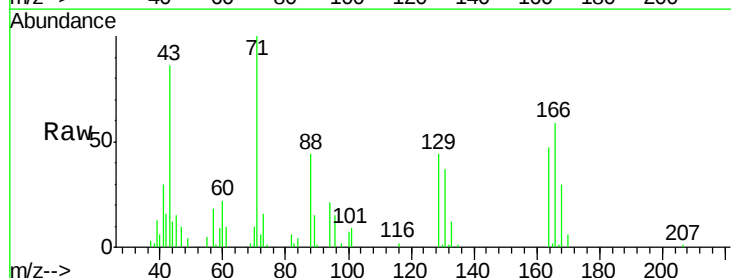
Instrument :
MSVOA_N
ClientSampleId :
AU-06-020519-C

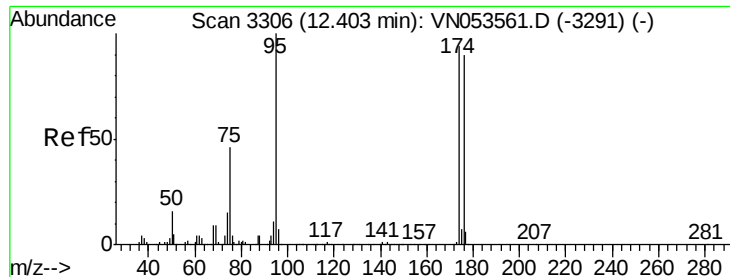
Tot Ion: 43 Resp: 176649
Ion Ratio Lower Upper
43 100
58 21.1 28.6 85.8#



#60
Dibromochloromethane
Concen: 1.532 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN053638.D
Acq: 6 Feb 2019 16:43

Tgt Ion: 129 Resp: 12845
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

AU-06-020519-C

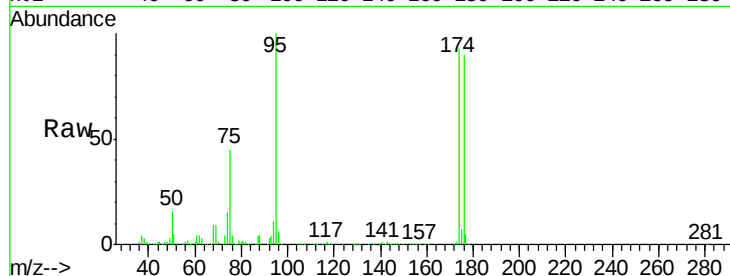
Tot Ion: 95 Resp: 522103

Ion Ratio Lower Upper

95 100

174 93.0 0.0 183.2

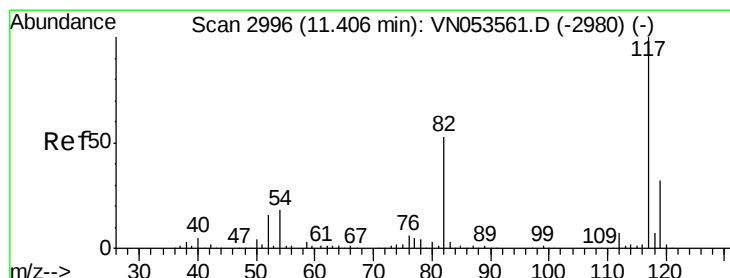
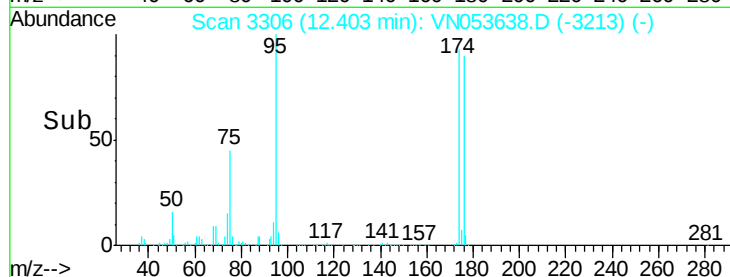
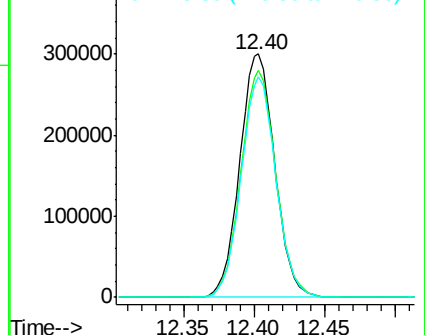
176 90.0 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

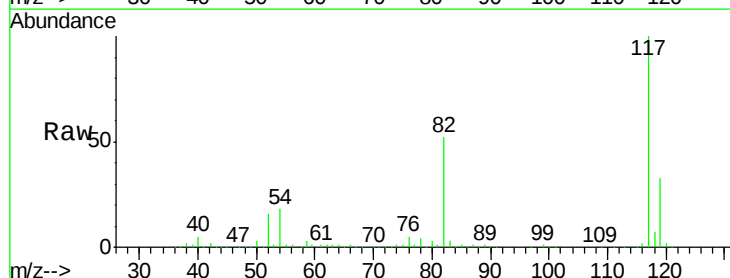
Tgt Ion: 117 Resp: 1150215

Ion Ratio Lower Upper

117 100

82 52.4 42.9 64.3

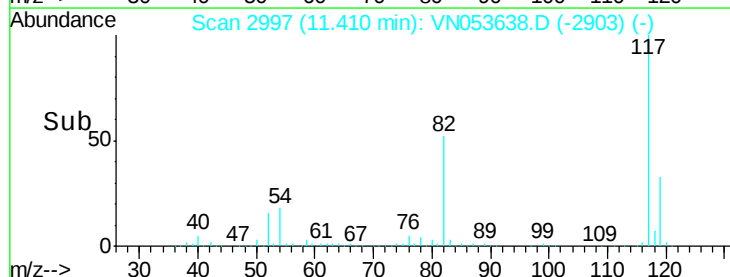
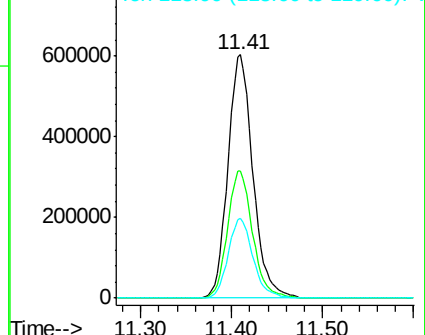
119 32.6 26.0 39.0

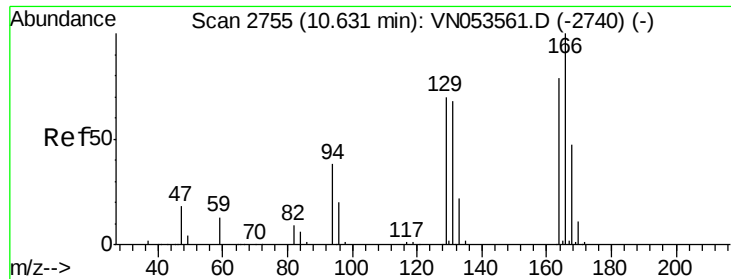


Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)





#64

Tetrachloroethene

Concen: 1.481 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

AU-06-020519-C

Tot Ion:164 Resp: 14599

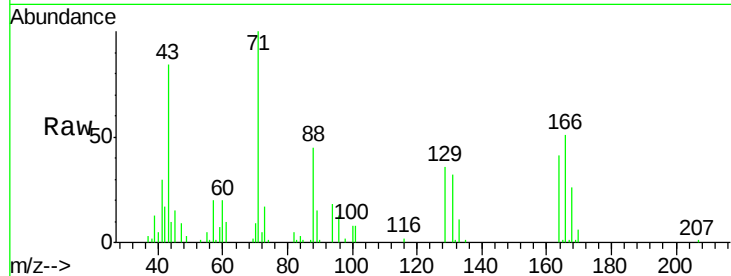
Ion Ratio Lower Upper

164 100

166 123.5 102.2 153.4

129 87.5 72.6 109.0

131 77.6 69.5 104.3

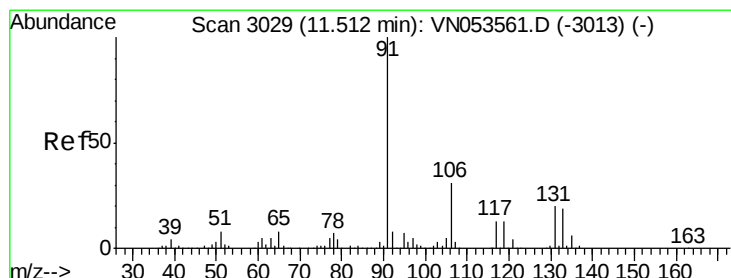
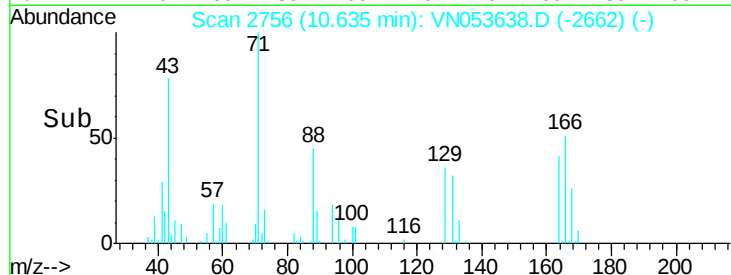
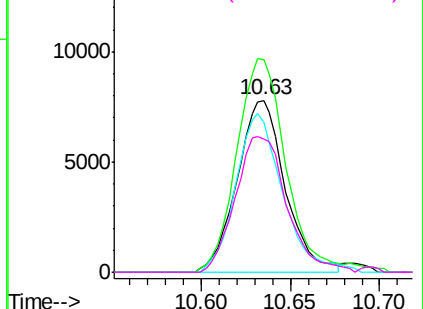


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 13.169 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053638.D

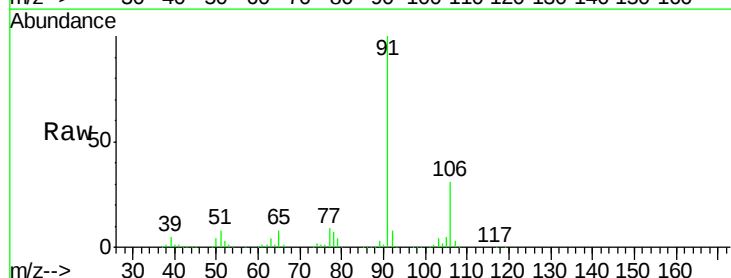
Acq: 6 Feb 2019 16:43

Tgt Ion: 91 Resp: 528512

Ion Ratio Lower Upper

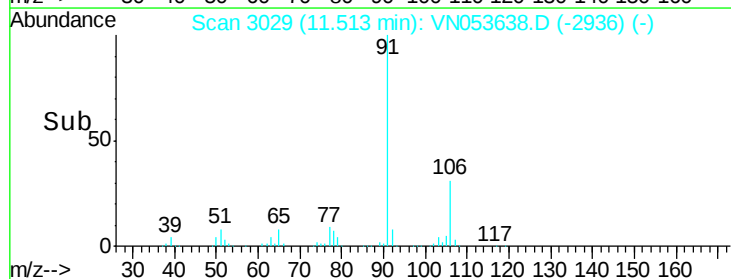
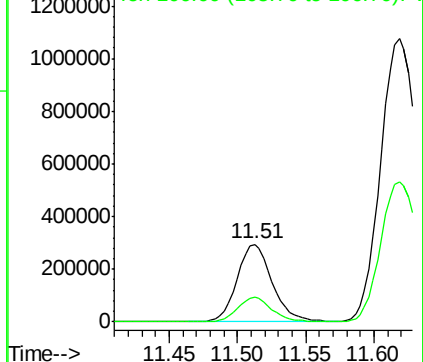
91 100

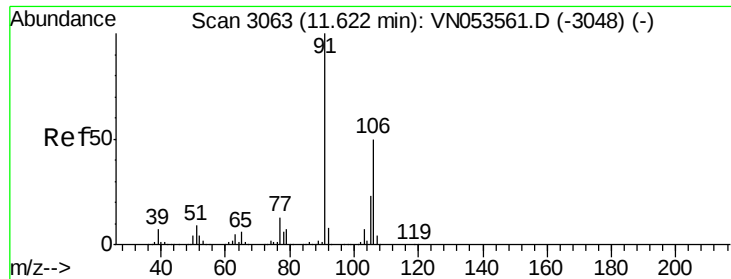
106 31.5 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

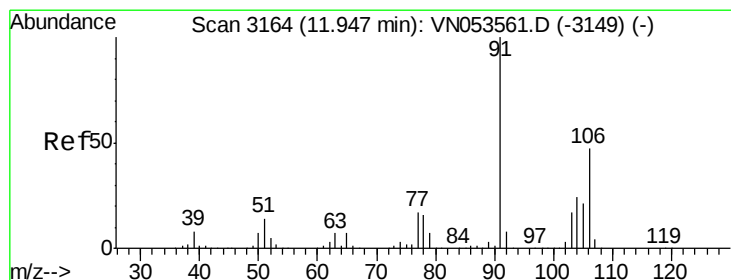
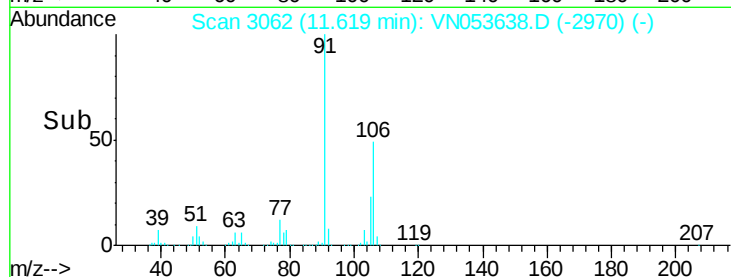
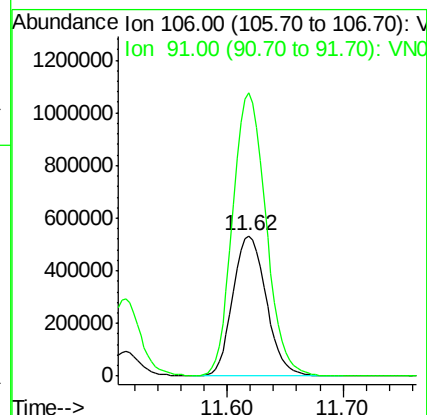
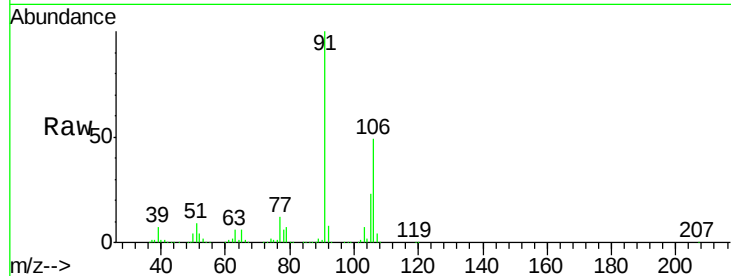




#68
m/p-Xylenes
Concen: 69.484 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053638.D
Acq: 6 Feb 2019 16:43

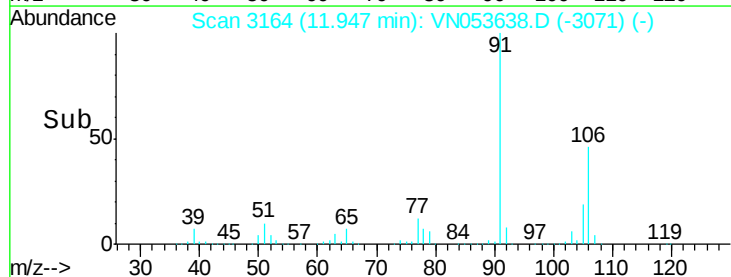
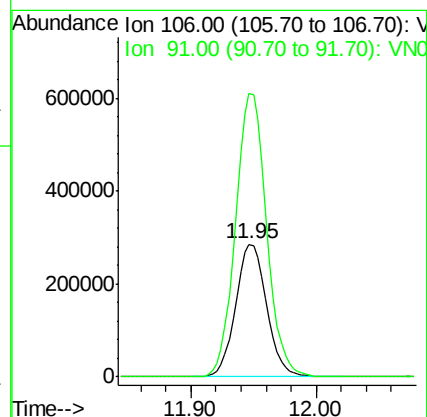
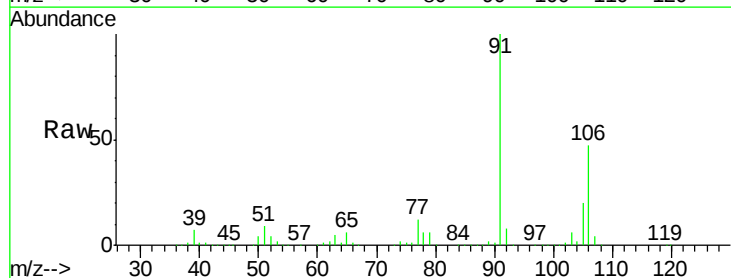
Instrument :
MSVOA_N
ClientSampleId :
AU-06-020519-C

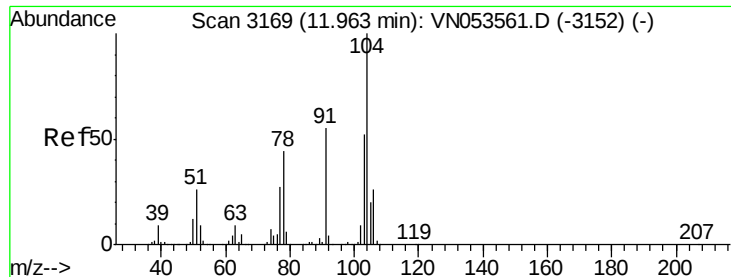
Tot Ion:106 Resp: 1064326
Ion Ratio Lower Upper
106 100
91 201.1 161.4 242.2



#69
o-Xylene
Concen: 33.045 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053638.D
Acq: 6 Feb 2019 16:43

Tgt Ion:106 Resp: 489016
Ion Ratio Lower Upper
106 100
91 214.0 106.9 320.8





#70

Stvrene

Concen: 1.128 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.02 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

AU-06-020519-C

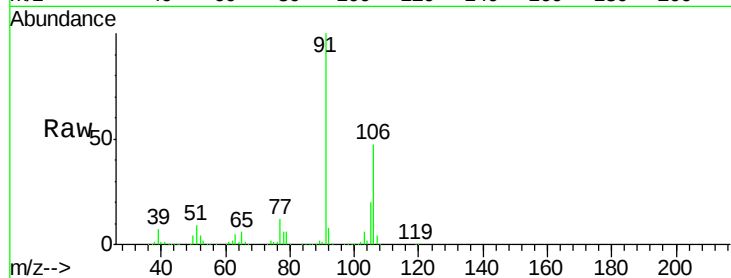
Tot Ion:104 Resp: 27058

Ion Ratio Lower Upper

104 100

78 250.3 38.2 57.2#

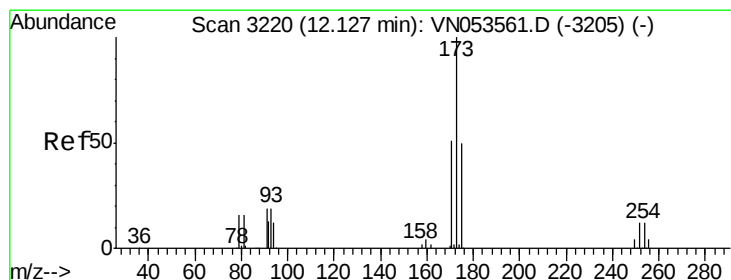
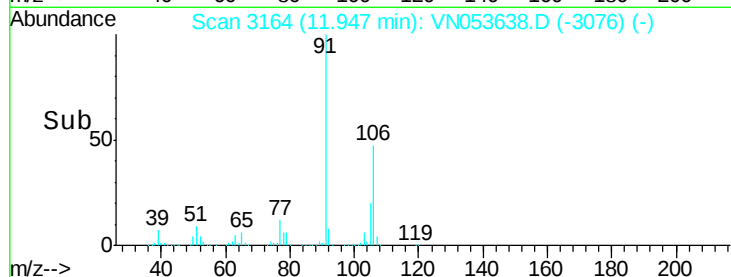
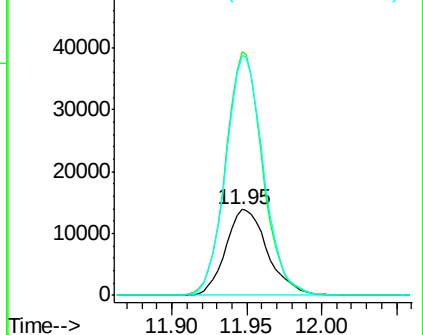
103 251.4 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.614 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

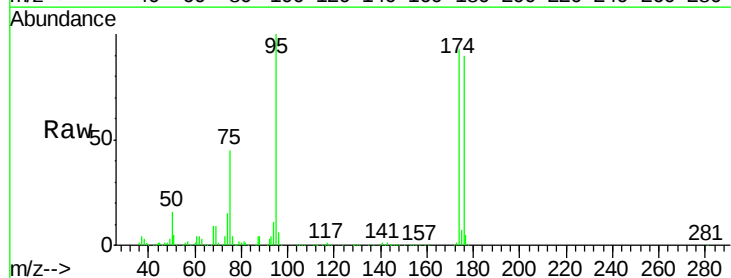
Tgt Ion:173 Resp: 3593

Ion Ratio Lower Upper

173 100

175 839.0 24.6 74.0#

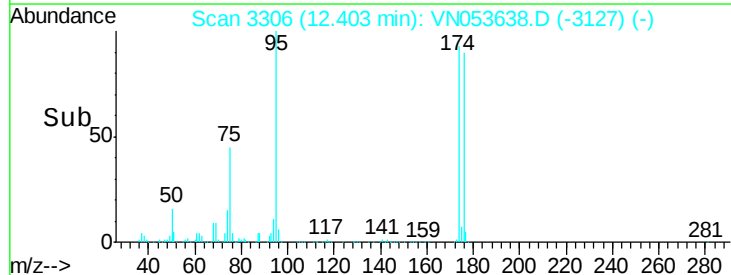
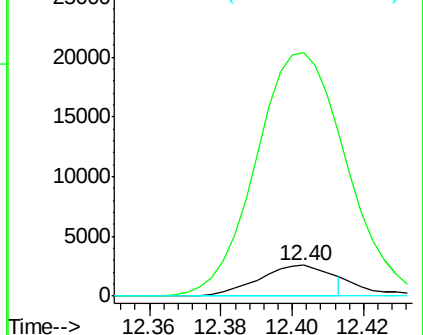
254 0.0 0.2 0.2#

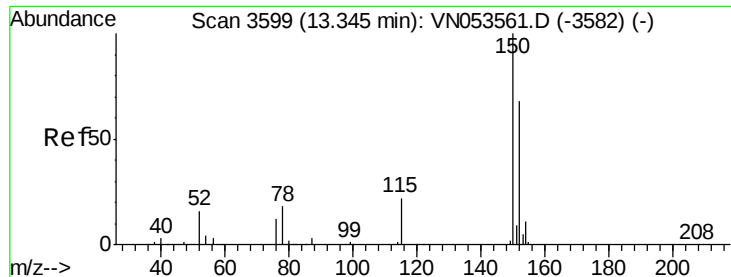


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

AU-06-020519-C

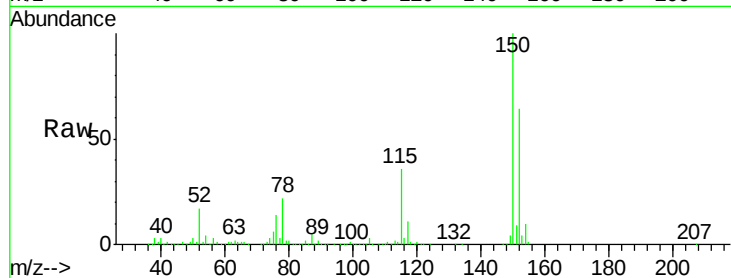
Tot Ion:152 Resp: 525479

Ion Ratio Lower Upper

152 100

115 61.7 27.8 83.4

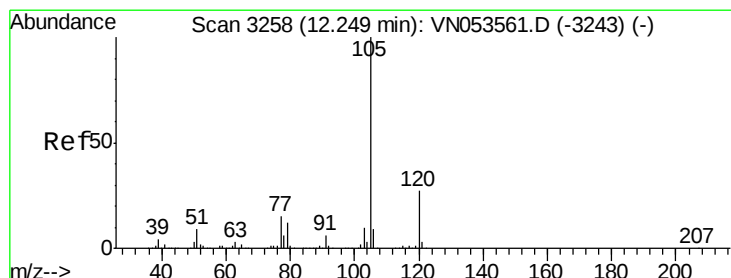
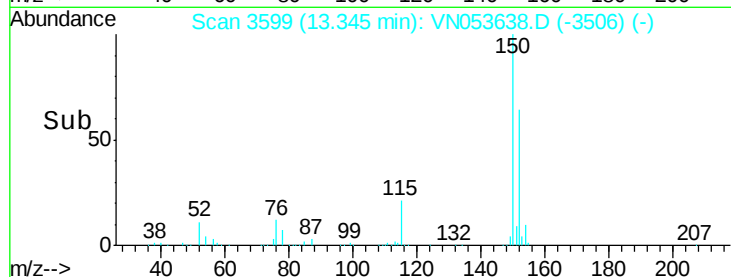
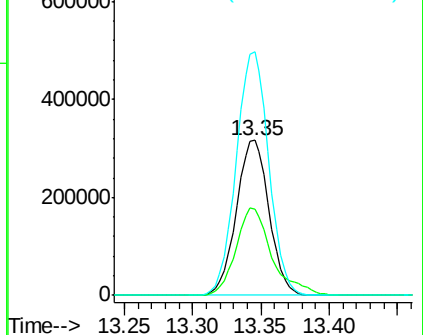
150 156.7 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.662 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN053638.D

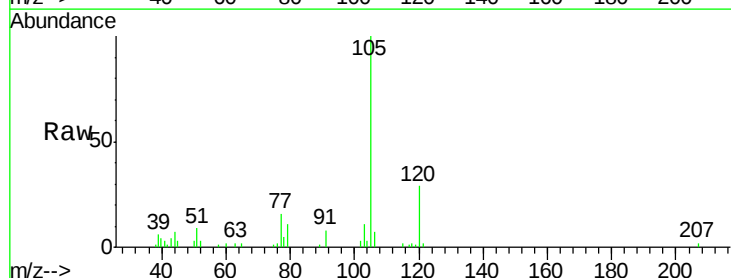
Acq: 6 Feb 2019 16:43

Tgt Ion:105 Resp: 24466

Ion Ratio Lower Upper

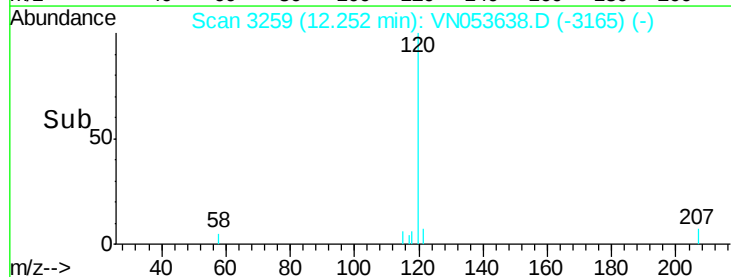
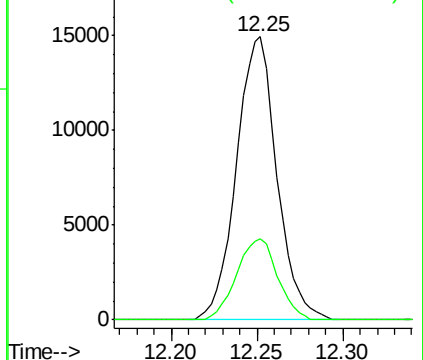
105 100

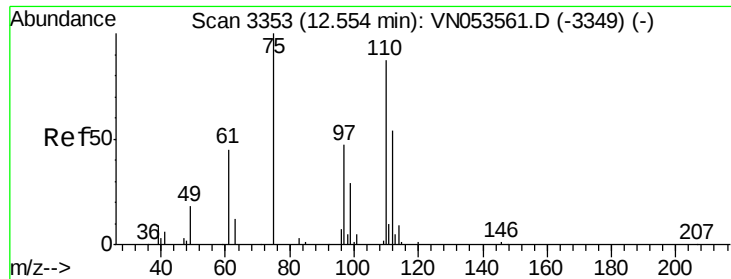
120 28.9 13.6 40.7



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: 1.210 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. 0.10 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

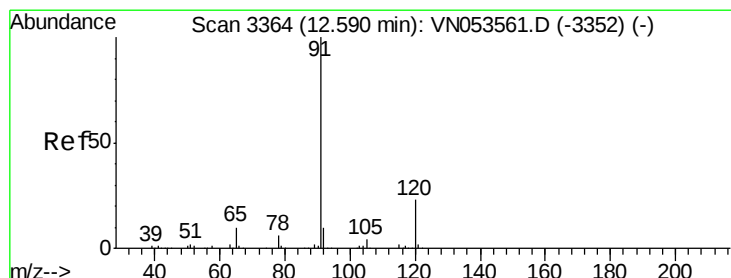
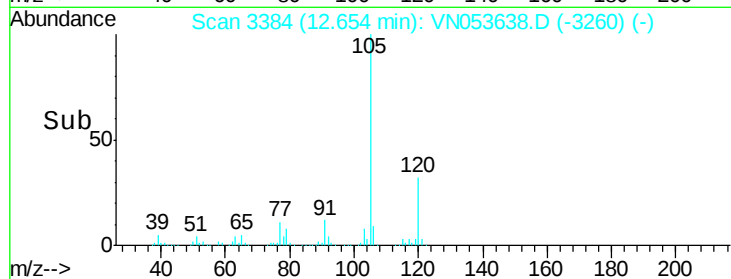
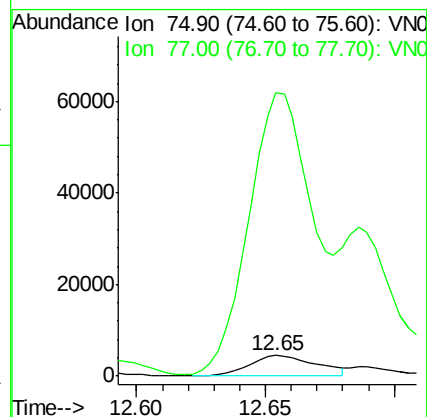
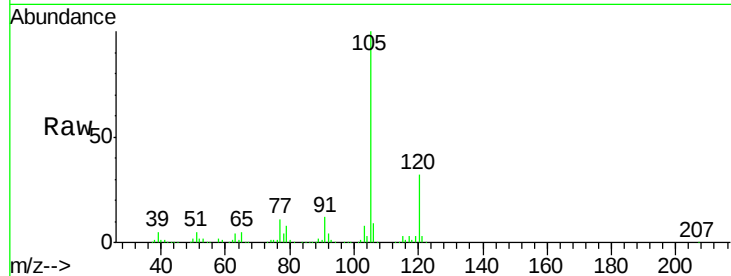
AU-06-020519-C

Tot Ion: 75 Resp: 8166

Ion Ratio Lower Upper

75 100

77 1307.7 0.0 0.0#



#78

n-propylbenzene

Concen: 3.584 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053638.D

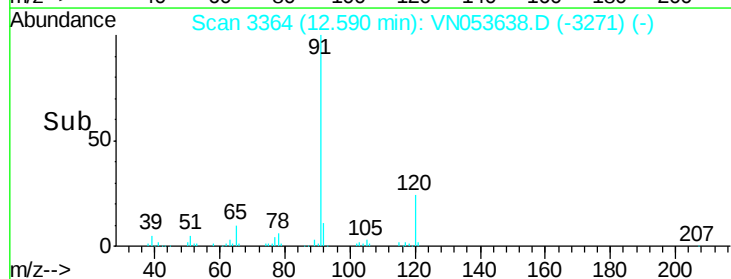
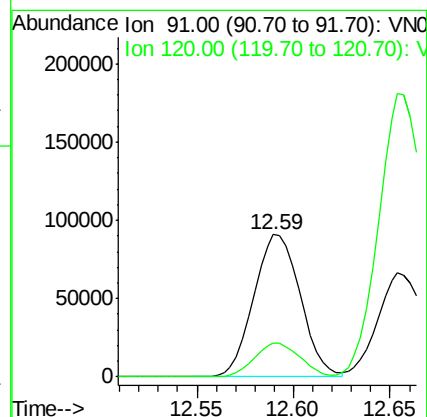
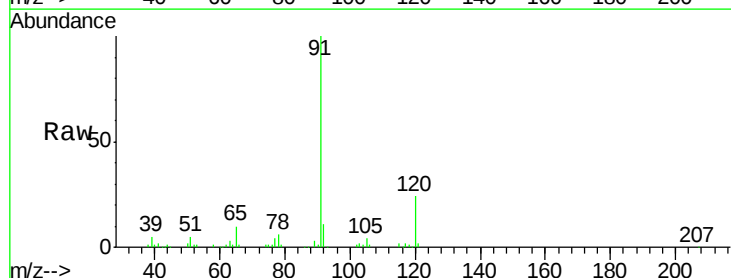
Acq: 6 Feb 2019 16:43

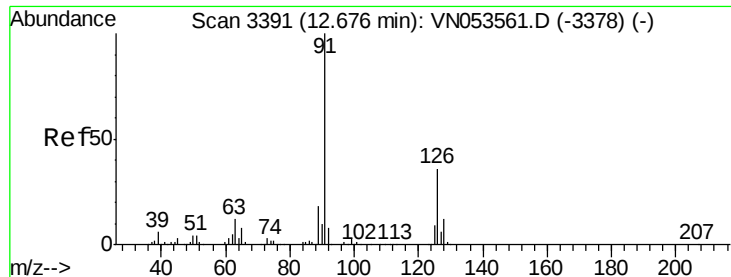
Tgt Ion: 91 Resp: 153057

Ion Ratio Lower Upper

91 100

120 23.4 11.9 35.5





#79

2-Chlorotoluene

Concen: 4.232 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

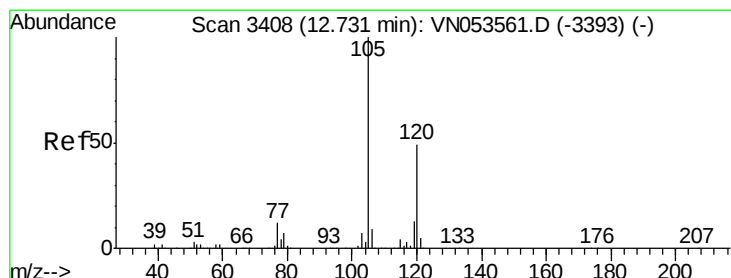
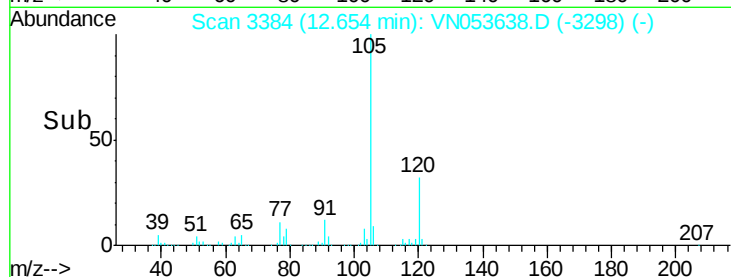
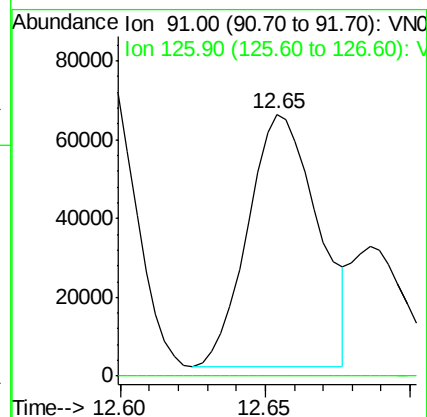
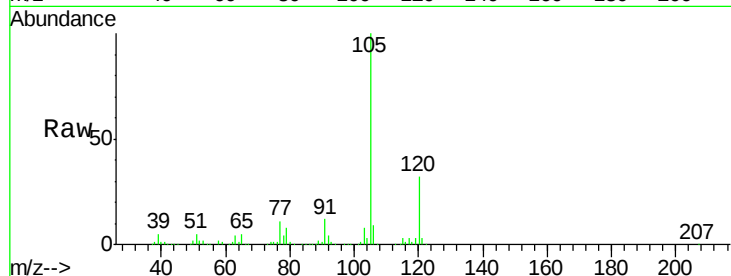
AU-06-020519-C

Tot Ion: 91 Resp: 107207

Ion Ratio Lower Upper

91 100

126 0.2 17.9 53.7#



#80

1,3,5-Trimethylbenzene

Concen: 20.623 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053638.D

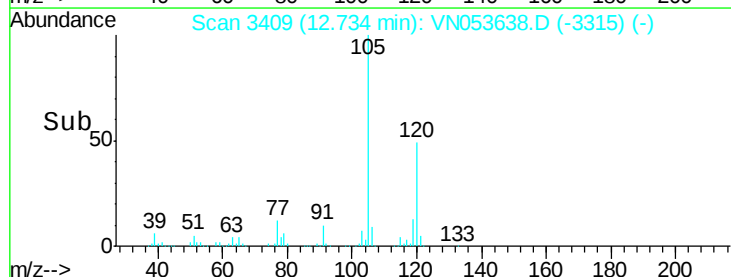
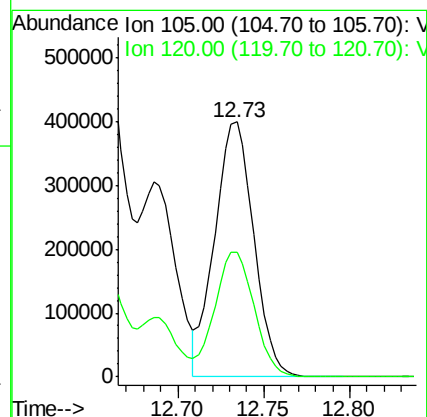
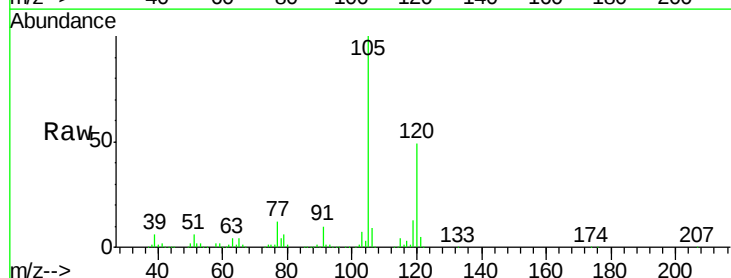
Acq: 6 Feb 2019 16:43

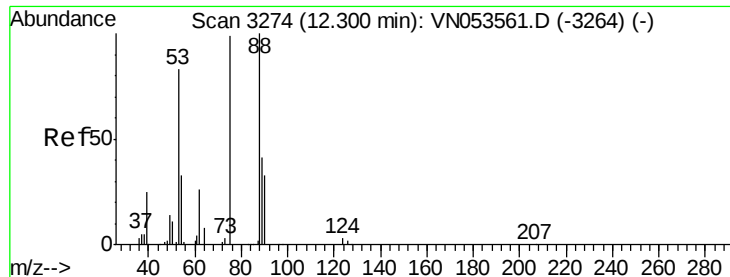
Tgt Ion: 105 Resp: 631744

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 100.643 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

AU-06-020519-C

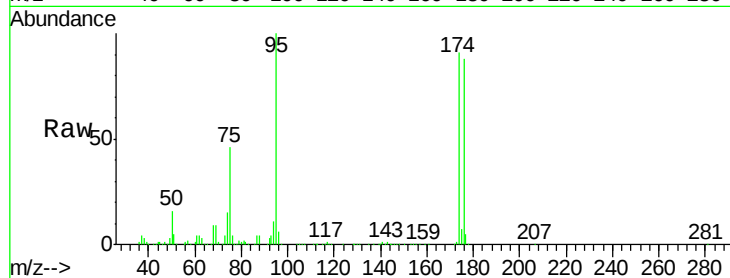
Tot Ion: 75 Resp: 241573

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

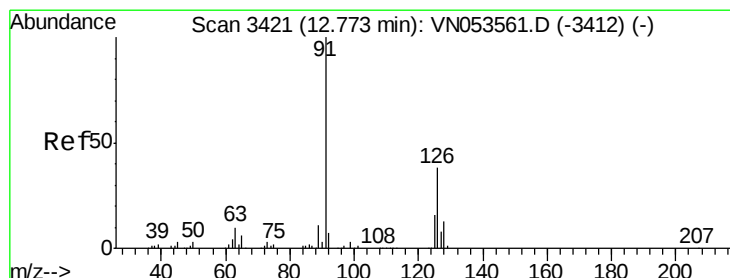
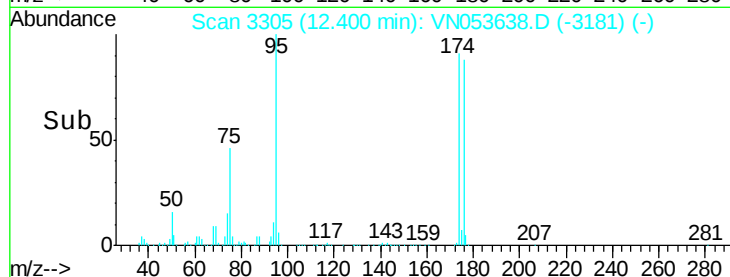
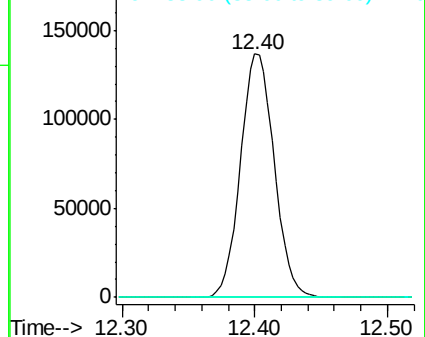
89 0.0 35.6 53.4#



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: 2.432 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053638.D

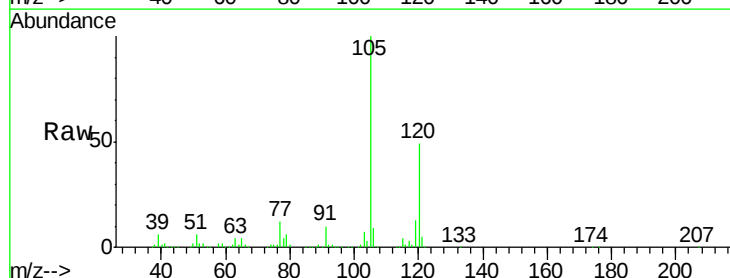
Acq: 6 Feb 2019 16:43

Tgt Ion: 91 Resp: 63238

Ion Ratio Lower Upper

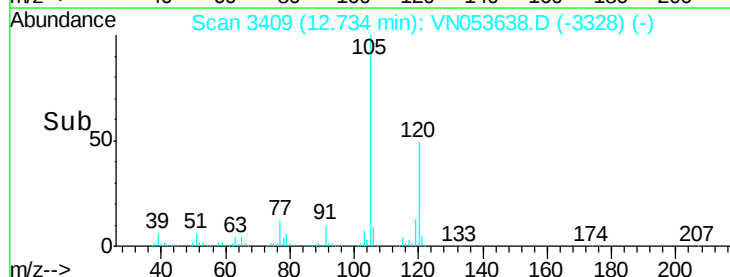
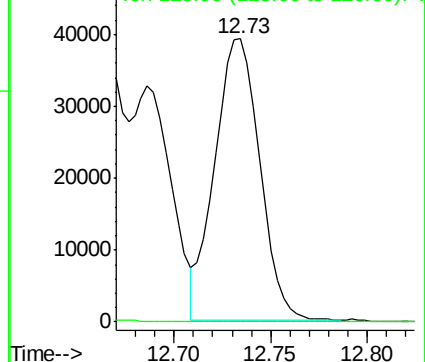
91 100

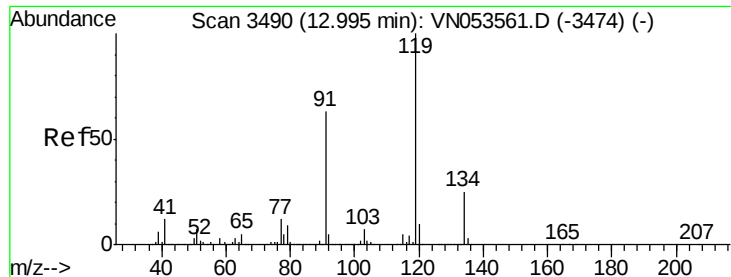
126 0.0 17.6 52.9#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

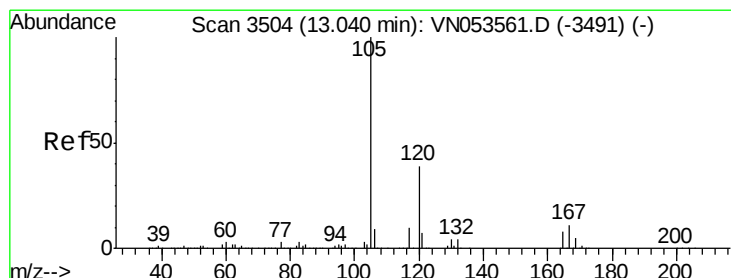
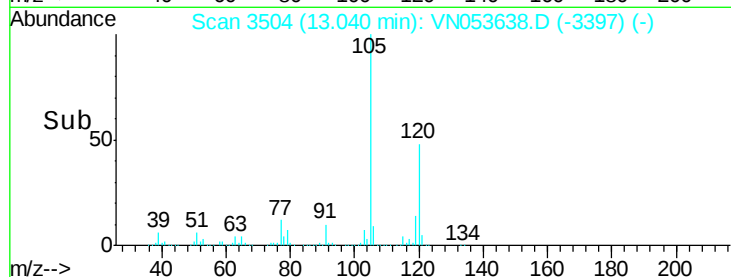
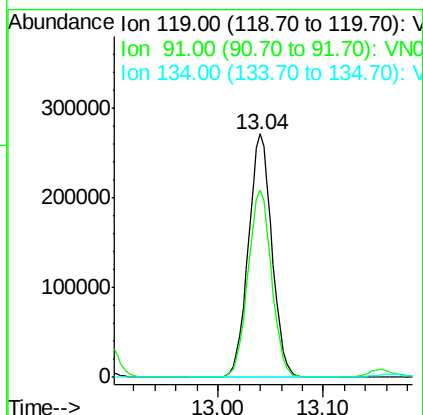
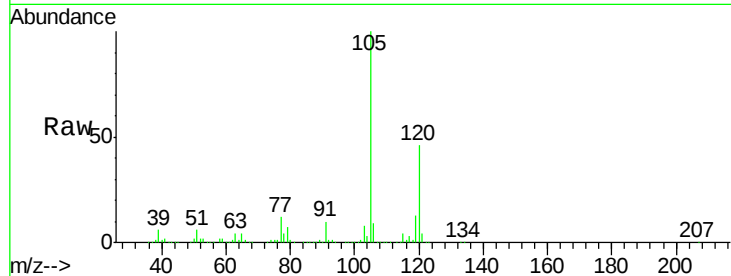




#83
 tert-Butylbenzene
 Concen: 15.496 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN053638.D
 Acq: 6 Feb 2019 16:43

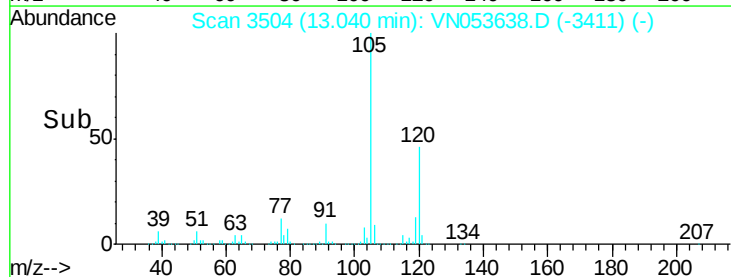
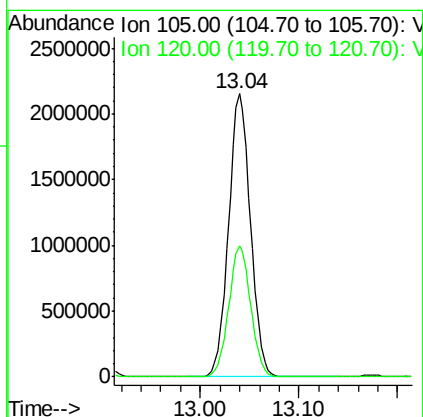
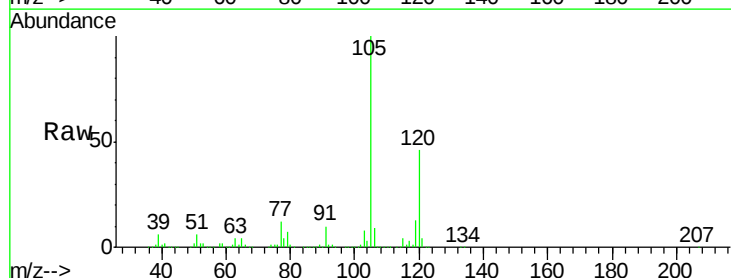
Instrument :
 MSVOA_N
 ClientSampleId :
 AU-06-020519-C

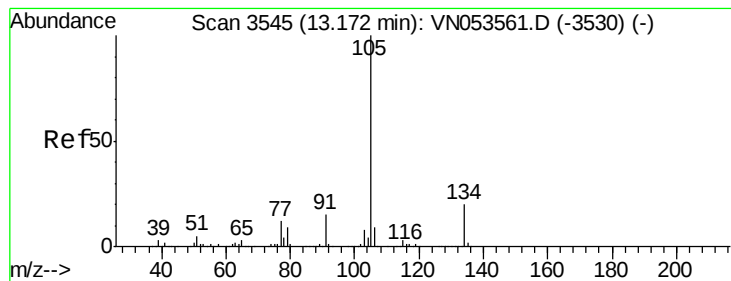
Tot Ion:119 Resp: 419549
 Ion Ratio Lower Upper
 119 100
 91 77.4 31.3 93.8
 134 0.1 12.9 38.7#



#84
 1,2,4-Trimethylbenzene
 Concen: 106.995 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053638.D
 Acq: 6 Feb 2019 16:43

Tgt Ion:105 Resp: 3339214
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.0 69.0





#85

sec-Butylbenzene

Concen: 90.635 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

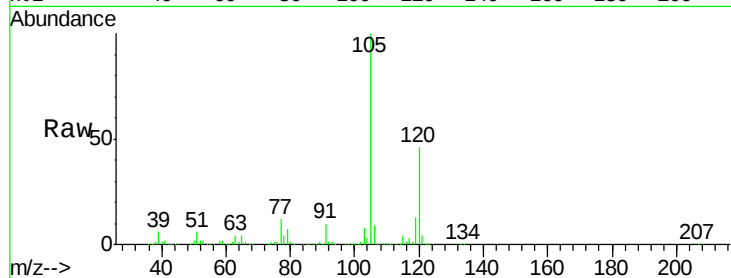
AU-06-020519-C

Tot Ion:105 Resp: 3339214

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

2500000

2000000

1500000

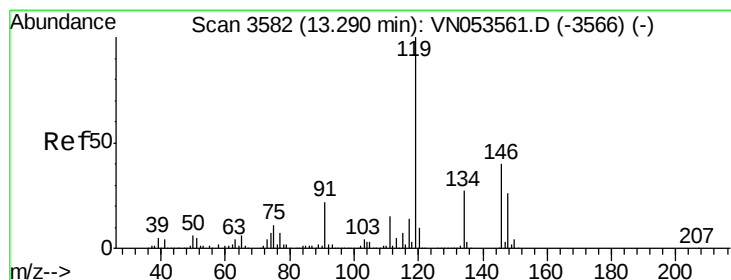
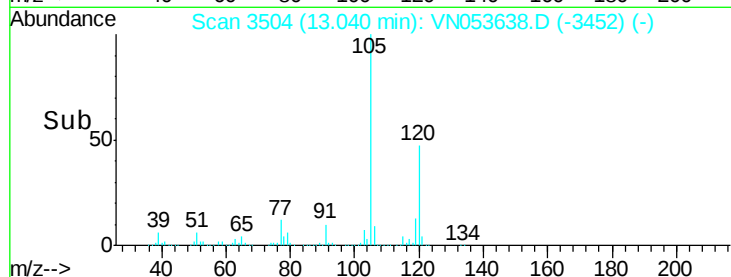
1000000

500000

0

13.00 13.10

Time-->



#86

p-Isopropyltoluene

Concen: 1.424 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. -0.06 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

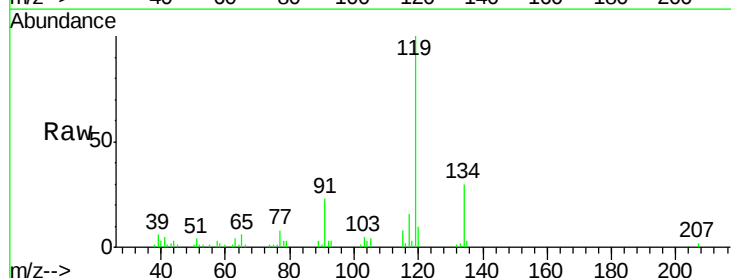
Tgt Ion:119 Resp: 45884

Ion Ratio Lower Upper

119 100

134 28.8 13.5 40.4

91 24.6 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

30000

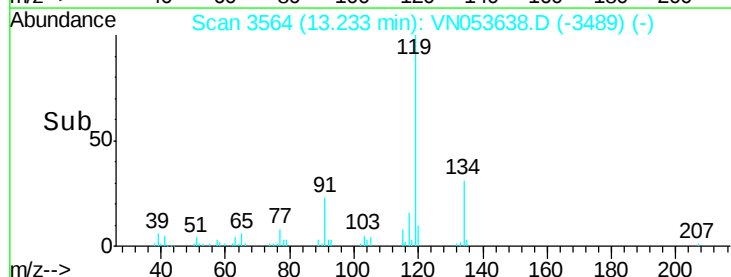
20000

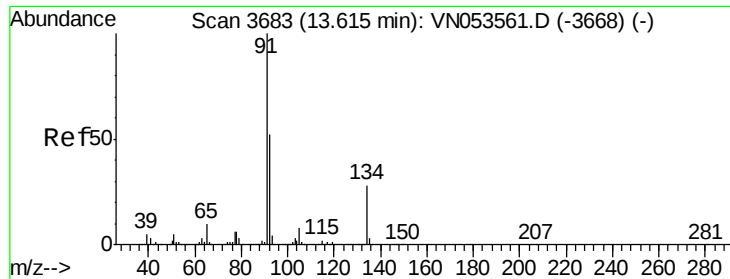
10000

0

13.20 13.25

Time-->





#89

n-Butylbenzene

Concen: 0.586 ug/l

RT: 13.58 min Scan# 3673

Delta R.T. -0.03 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampled :

AU-06-020519-C

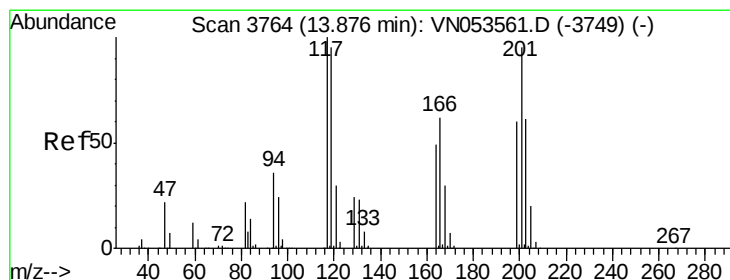
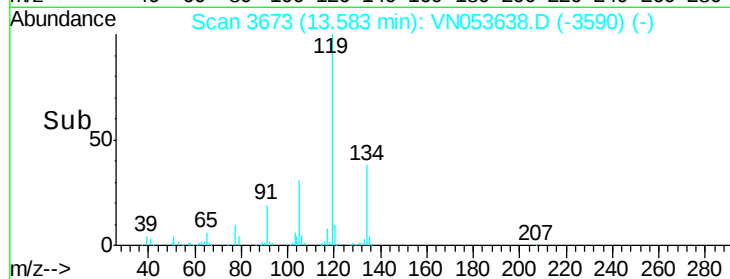
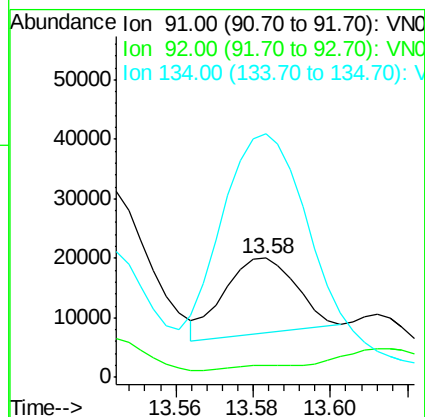
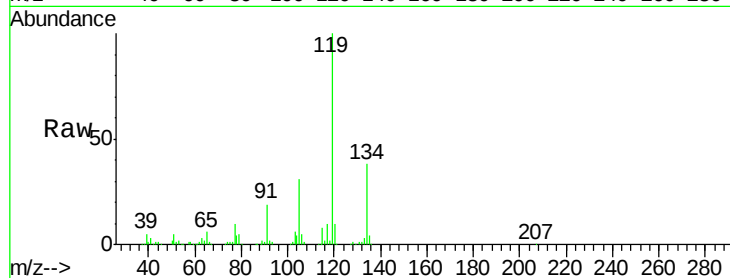
Tot Ion: 91 Resp: 16352

Ion Ratio Lower Upper

91 100

92 14.9 26.3 78.8#

134 448.5 13.5 40.5#



#90

Hexachloroethane

Concen: 2.289 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053638.D

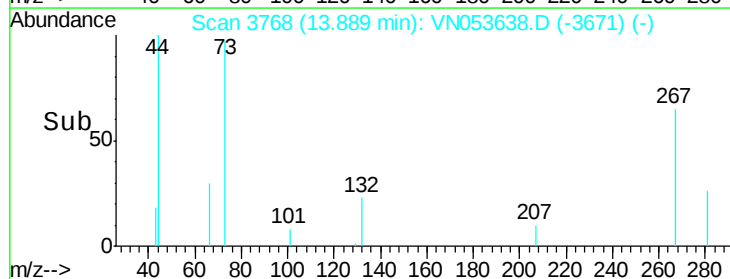
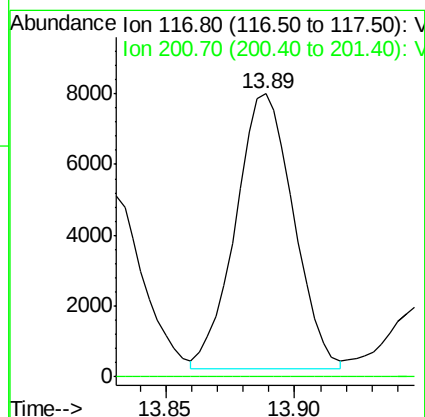
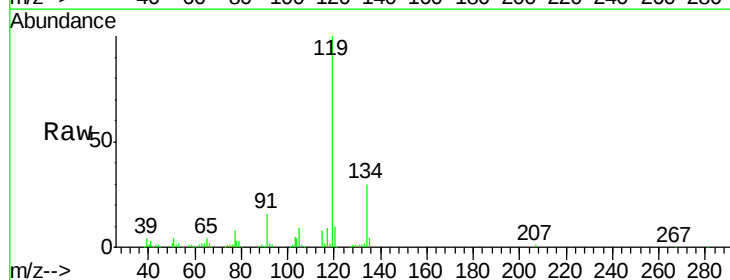
Acq: 6 Feb 2019 16:43

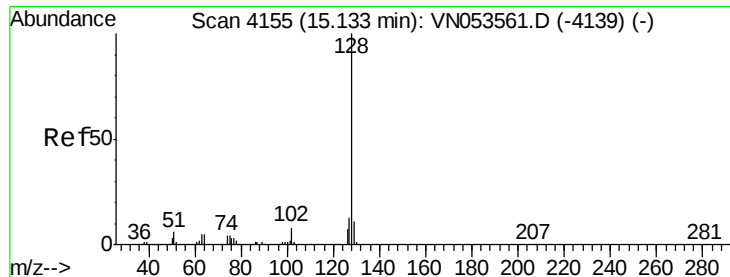
Tgt Ion: 117 Resp: 12168

Ion Ratio Lower Upper

117 100

201 0.0 46.8 140.4#





#95

Naphthalene

Concen: 5.243 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053638.D

Acq: 6 Feb 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

AU-06-020519-C

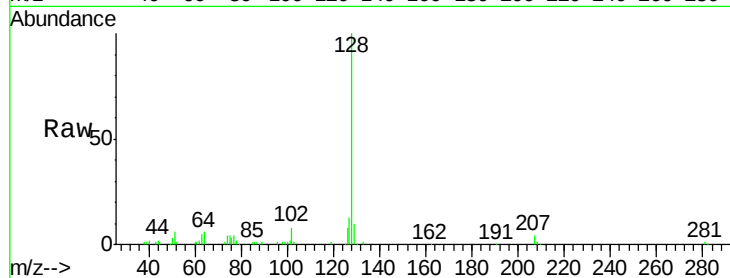
Tot Ion:128 Resp: 83865

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.5 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

