

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054536.D
 Acq On : 22 Mar 2019 3:38
 Operator : JC/SP
 Sample : K1694-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-02-032019-B

Quant Time: Mar 22 10:20:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

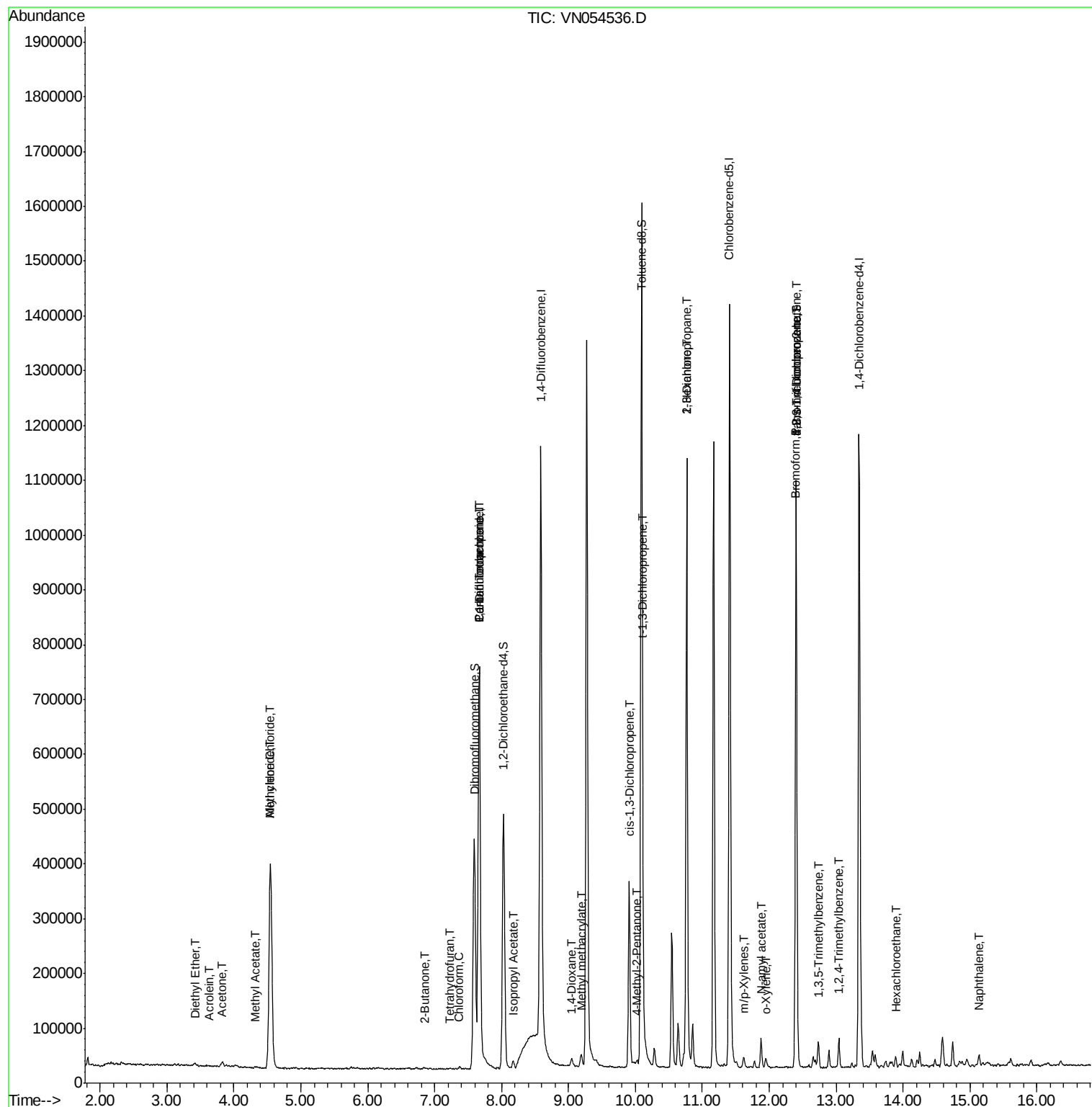
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	642726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1008031	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	831730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	314932	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	404023	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	7.59	113	321272	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
50) Toluene-d8	10.09	98	1180253	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.40	95	368441	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.41	74	2220	0.566	ug/l	87
13) Acrolein	3.63	56	229	0.343	ug/l #	36
14) Allyl chloride	4.55	41	12145	1.040	ug/l #	24
16) Acetone	3.82	43	15004	6.242	ug/l	89
18) Methyl Acetate	4.33	43	2671	0.499	ug/l #	79
20) Methylene Chloride	4.54	84	263474	37.187	ug/l #	83
25) 2-Butanone	6.86	43	1668	0.542	ug/l	92
29) Tetrahydrofuran	7.21	42	410	0.205	ug/l #	30
30) Chloroform	7.37	83	2738	0.226	ug/l	94
31) Cyclohexane	7.66	56	12065	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	45979	4.878	ug/l #	48
38) Carbon Tetrachloride	7.67	117	60280	6.581	ug/l #	16
43) Isopropyl Acetate	8.17	43	16226	1.433	ug/l #	94
48) Methyl methacrylate	9.18	41	8280	1.347	ug/l #	26
49) 1,4-Dioxane	9.05	88	32	0.466	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	8481	1.352	ug/l #	36
53) t-1,3-Dichloropropene	10.12	75	29	2.235	ug/l #	42
54) cis-1,3-Dichloropropene	9.91	75	59666	5.808	ug/l #	67
57) 1,3-Dichloropropane	10.77	76	11343	1.095	ug/l #	43
59) 2-Hexanone	10.77	43	183150	44.689	ug/l #	47
68) m/p-Xylenes	11.62	106	6106	0.539	ug/l	99
69) o-Xylene	11.95	106	4425	0.400	ug/l	95
71) Bromoform	12.39	173	529	2.341	ug/l #	1
74) N-ethyl acetate	11.88	43	20067	2.750	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	188675	37.754	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	24265	1.167	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	188675	125.067	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	28385	1.391	ug/l	98
90) Hexachloroethane	13.89	117	1037	0.331	ug/l #	2
95) Naphthalene	15.13	128	16448	1.464	ug/l	98

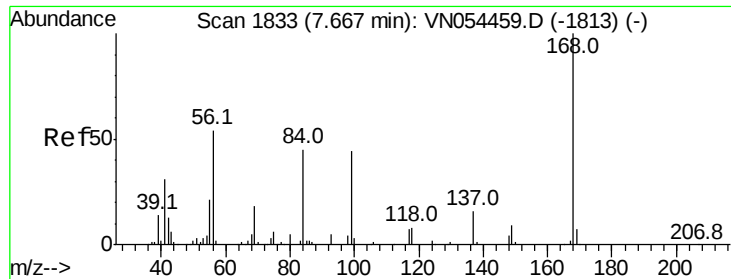
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054536.D

Acq: 22 Mar 2019 3:38

Instrument :

MSVOA_N

ClientSampleId :

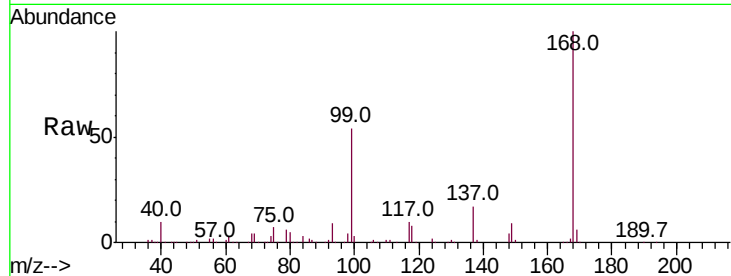
EO-02-032019-B

Tot Ion:168 Resp: 642726

Ion Ratio Lower Upper

168 100

99 54.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

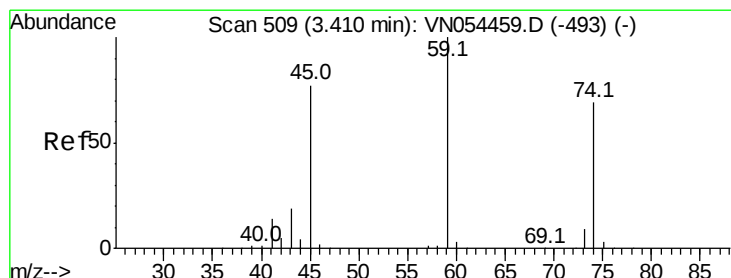
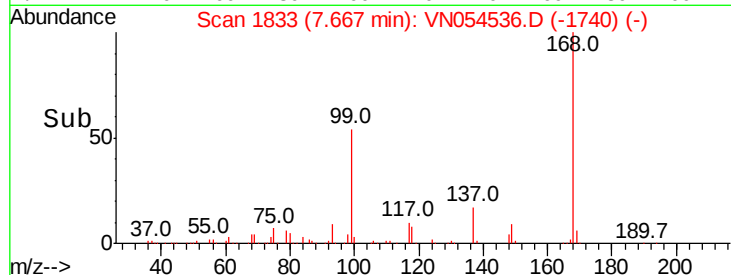
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.566 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN054536.D

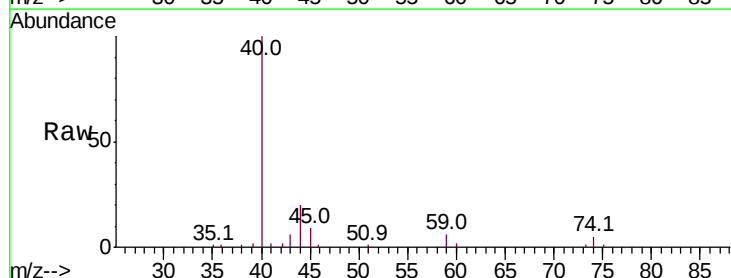
Acq: 22 Mar 2019 3:38

Tgt Ion: 74 Resp: 2220

Ion Ratio Lower Upper

74 100

45 74.7 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

2000

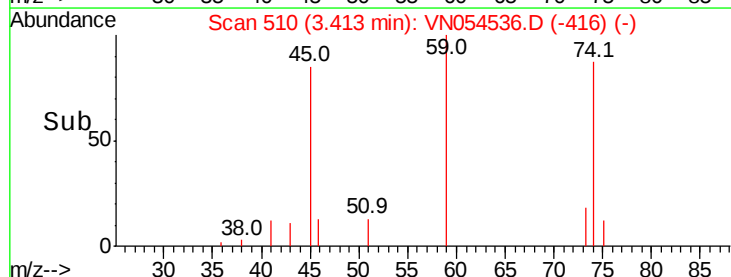
1500

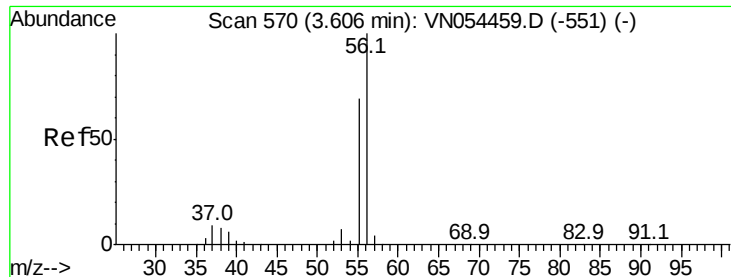
1000

500

0

Time-->





#13

Acrolein

Concen: 0.343 ug/l

RT: 3.63 min Scan# 576

Delta R.T. 0.02 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

Instrument :

MSVOA_N

ClientSampleId :

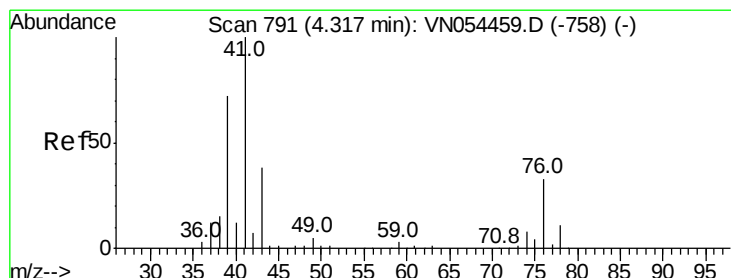
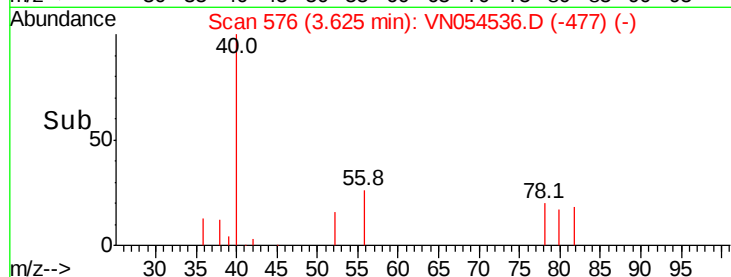
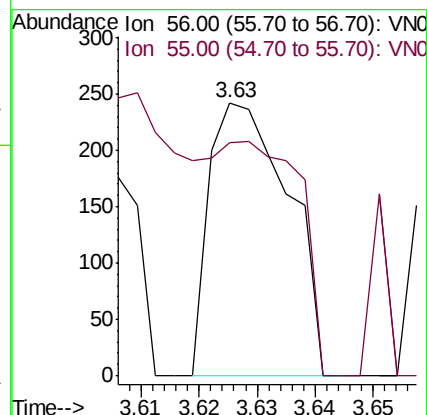
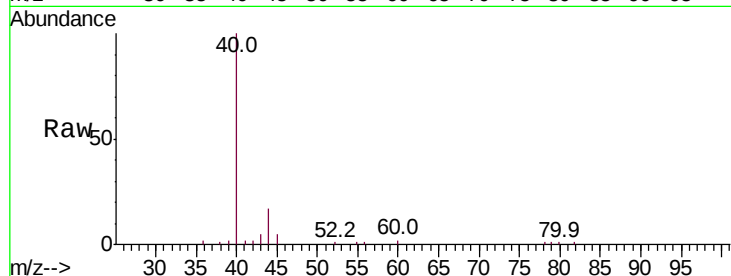
EO-02-032019-B

Tot Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 17.9 56.7 85.1#



#14

Allyl chloride

Concen: 1.040 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.23 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

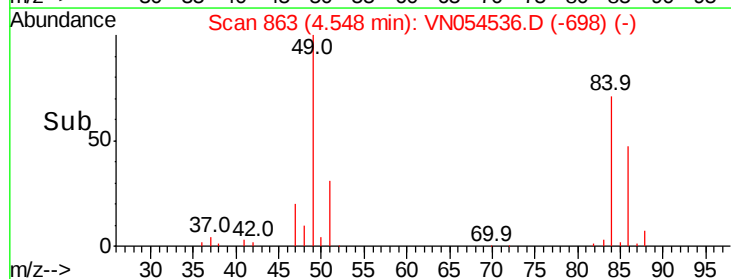
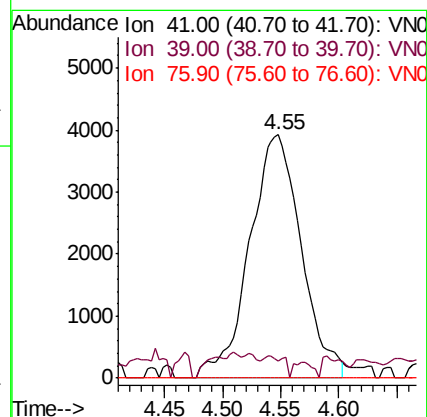
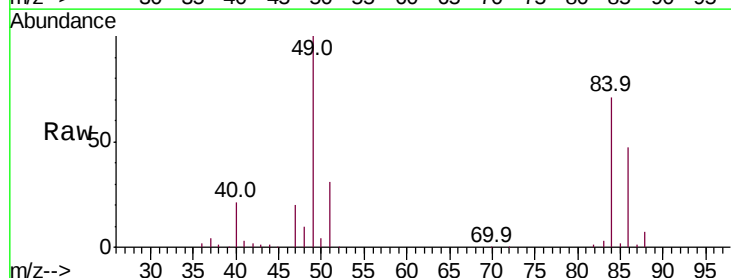
Tgt Ion: 41 Resp: 12145

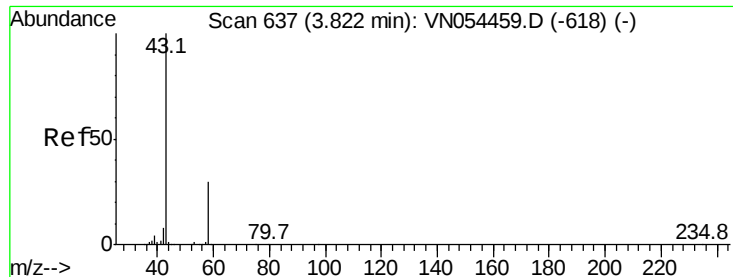
Ion Ratio Lower Upper

41 100

39 3.6 58.2 87.4#

76 0.0 31.7 47.5#





#16

Acetone

Concen: 6.242 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

Instrument :

MSVOA_N

ClientSampleId :

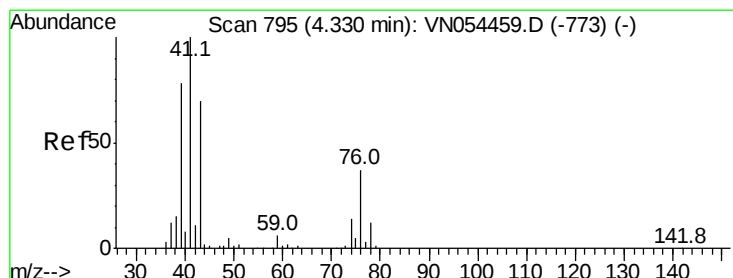
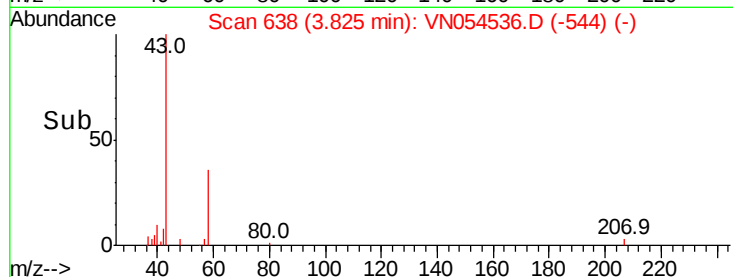
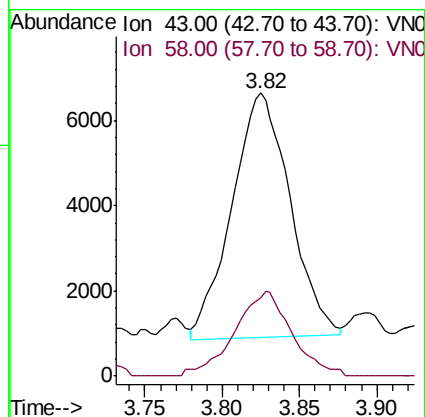
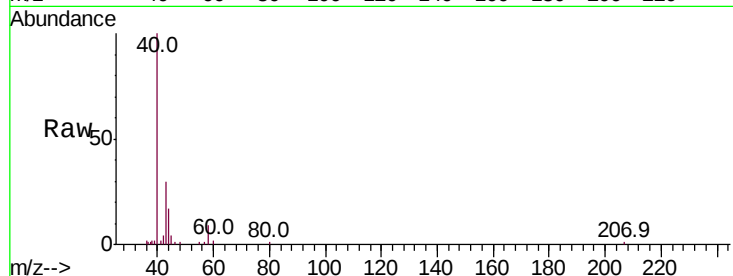
EO-02-032019-B

Tot Ion: 43 Resp: 15004

Ion Ratio Lower Upper

43 100

58 30.6 29.9 44.9



#18

Methyl Acetate

Concen: 0.499 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054536.D

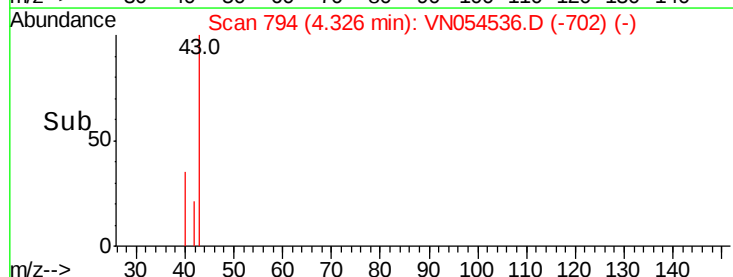
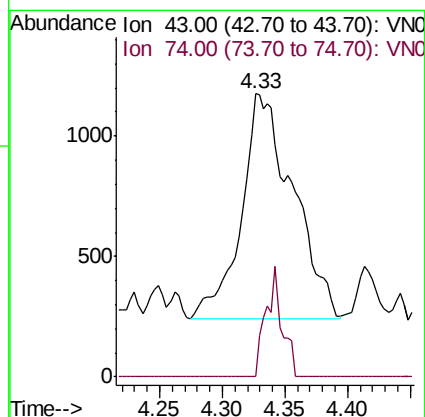
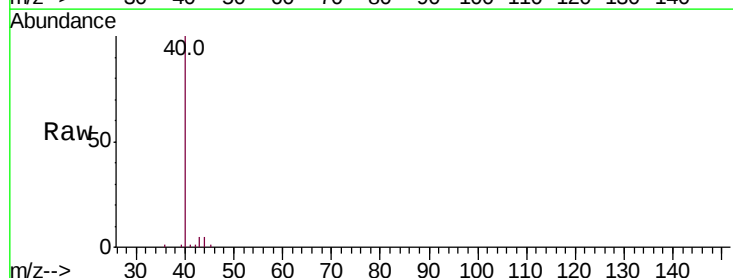
Acq: 22 Mar 2019 3:38

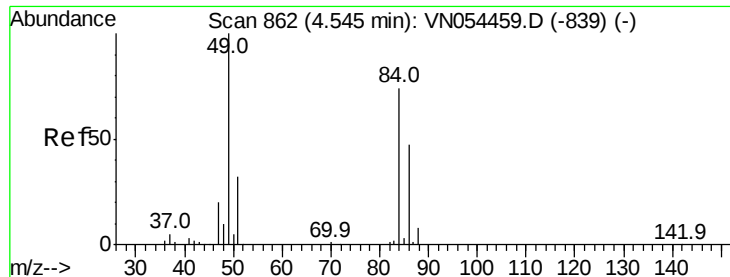
Tgt Ion: 43 Resp: 2671

Ion Ratio Lower Upper

43 100

74 15.2 20.8 31.2#

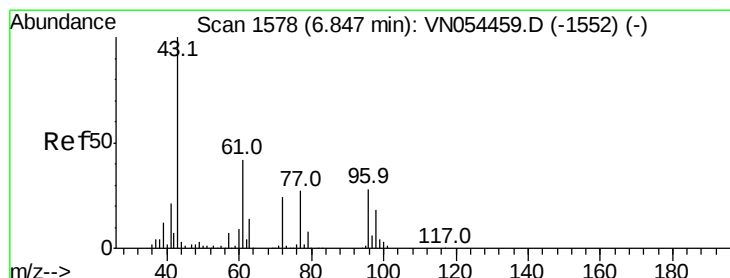
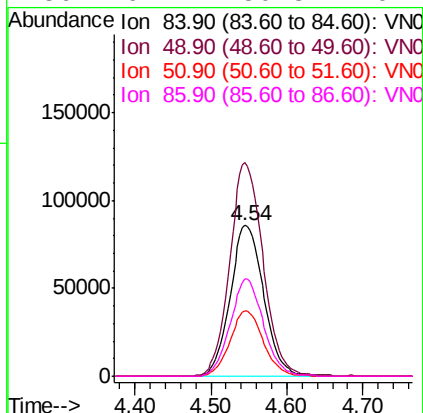
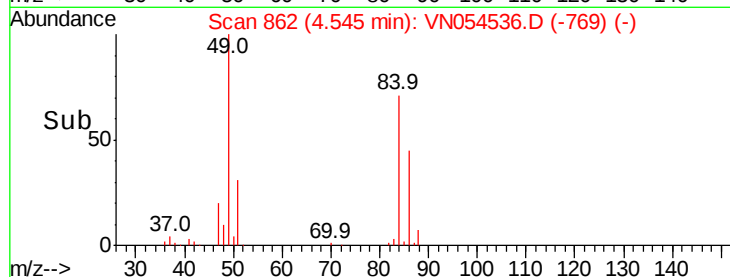
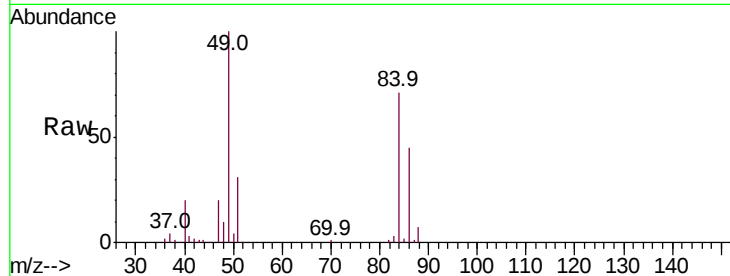




#20
Methylene Chloride
Concen: 37.187 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054536.D
Acq: 22 Mar 2019 3:38

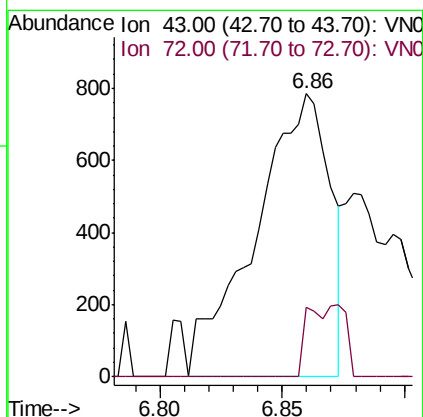
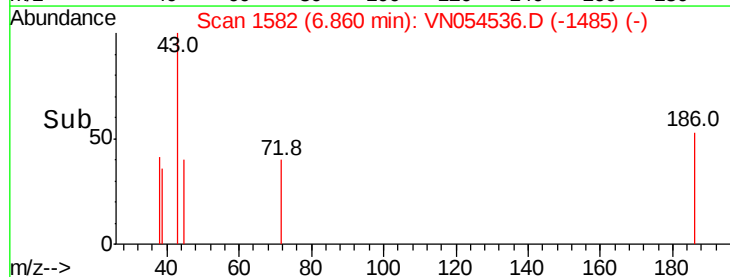
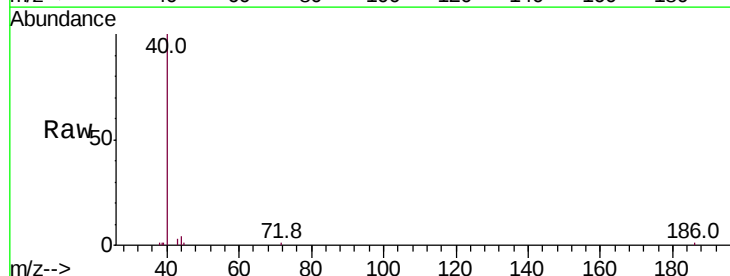
Instrument :
MSVOA_N
ClientSampleId :
EO-02-032019-B

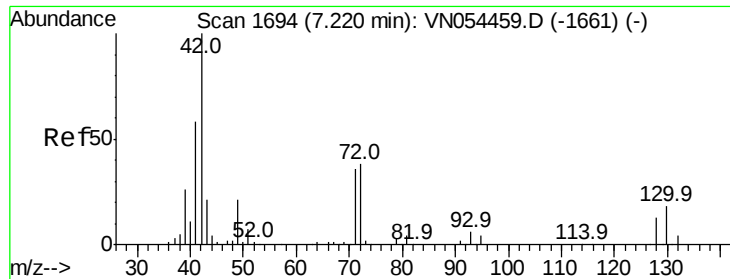
Tot Ion: 84 Resp: 263474
Ion Ratio Lower Upper
84 100
49 141.6 89.7 134.5#
51 43.4 28.2 42.4#
86 64.1 50.8 76.2



#25
2-Butanone
Concen: 0.542 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. 0.01 min
Lab File: VN054536.D
Acq: 22 Mar 2019 3:38

Tgt Ion: 43 Resp: 1668
Ion Ratio Lower Upper
43 100
72 24.7 23.0 34.6





#29

Tetrahydrofuran

Concen: 0.205 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. -0.01 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

Instrument :

MSVOA_N

ClientSampleId :

EO-02-032019-B

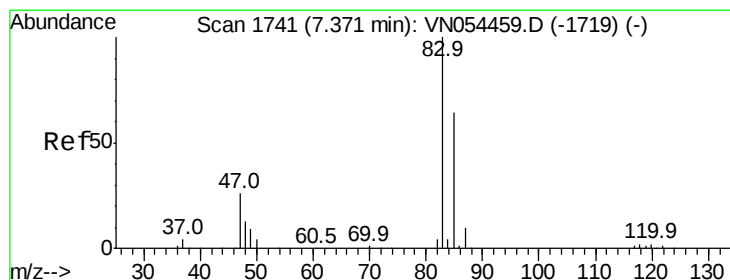
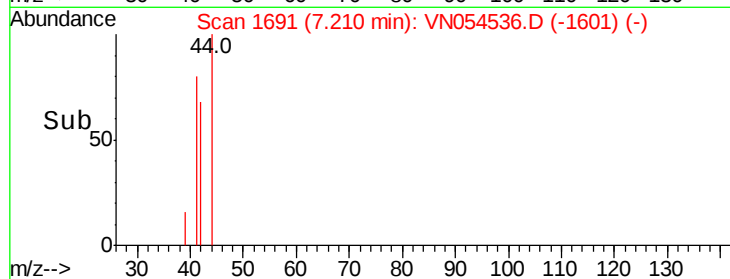
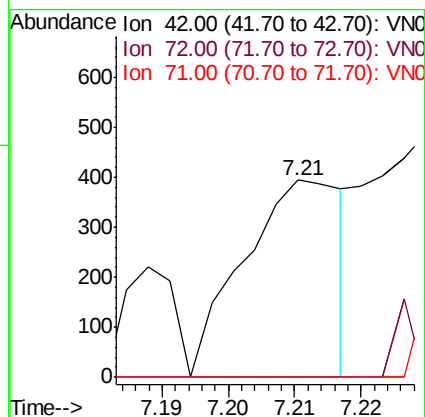
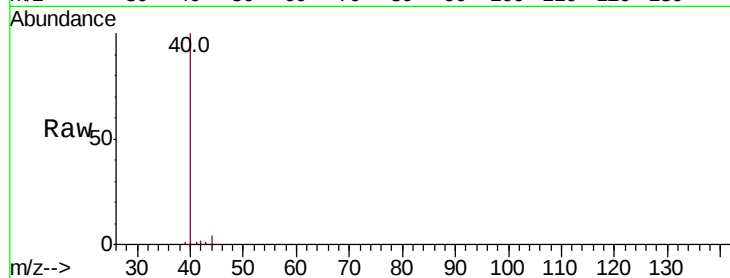
Tot Ion: 42 Resp: 410

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

71 0.0 36.2 54.2#



#30

Chloroform

Concen: 0.226 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054536.D

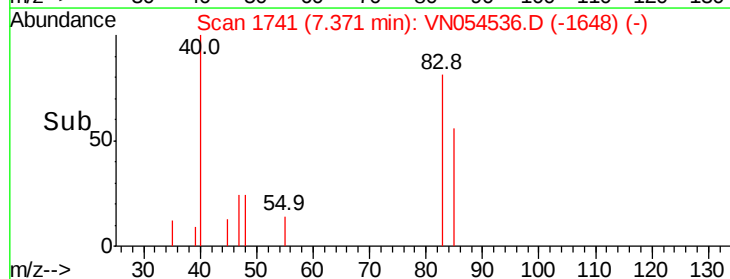
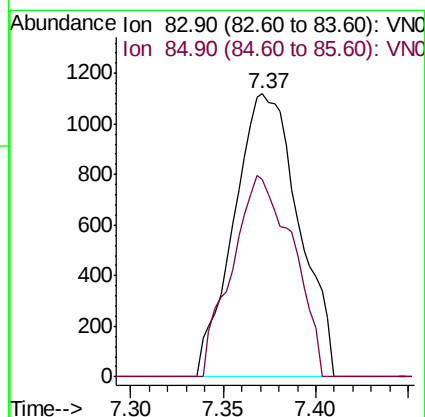
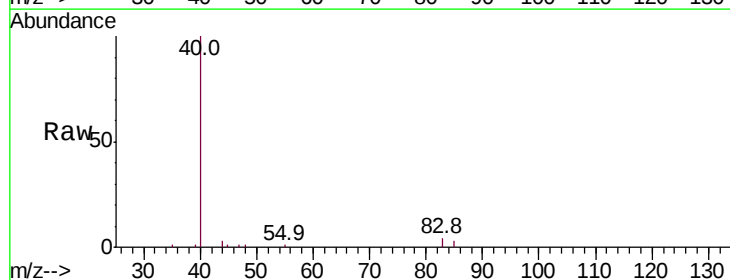
Acq: 22 Mar 2019 3:38

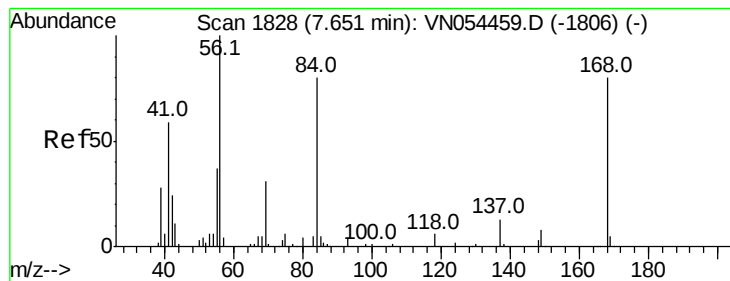
Tgt Ion: 83 Resp: 2738

Ion Ratio Lower Upper

83 100

85 69.7 52.2 78.4





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

Instrument :

MSVOA_N

ClientSampled :

EO-02-032019-B

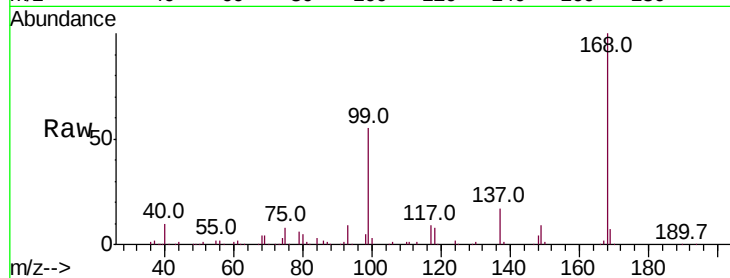
Tot Ion: 56 Resp: 12065

Ion Ratio Lower Upper

56 100

69 202.0 27.8 41.6#

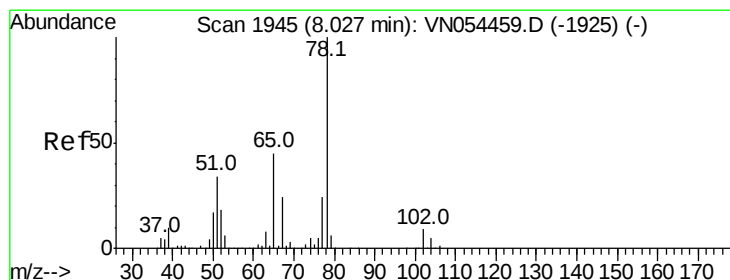
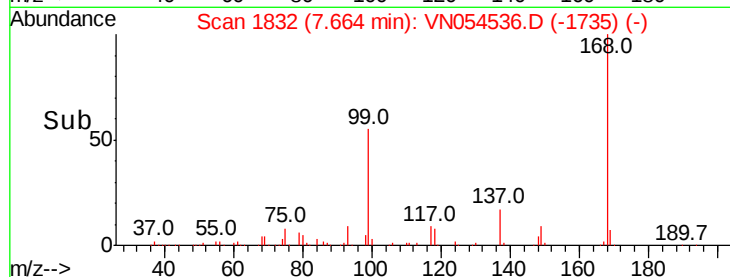
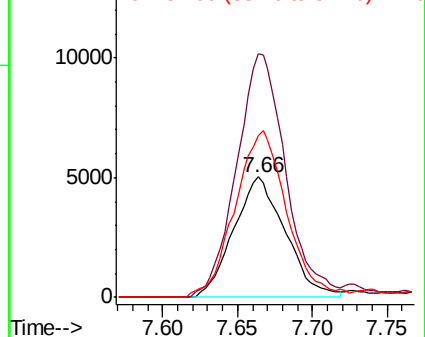
84 131.0 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.538 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054536.D

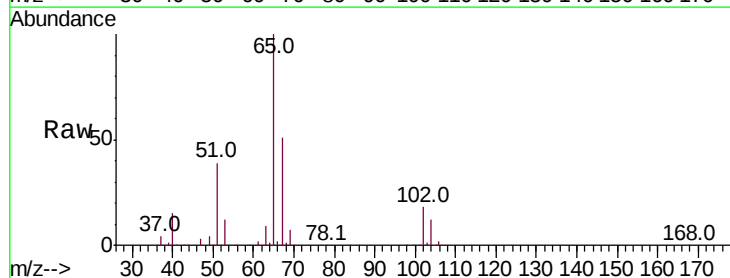
Acq: 22 Mar 2019 3:38

Tgt Ion: 65 Resp: 404023

Ion Ratio Lower Upper

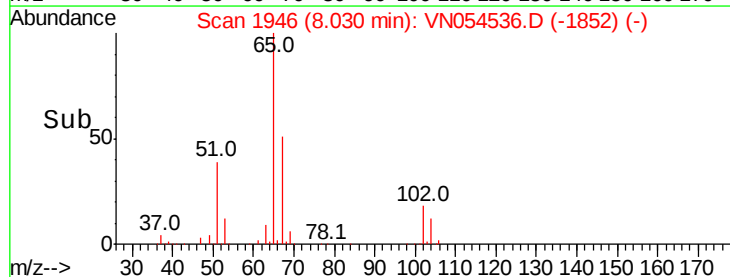
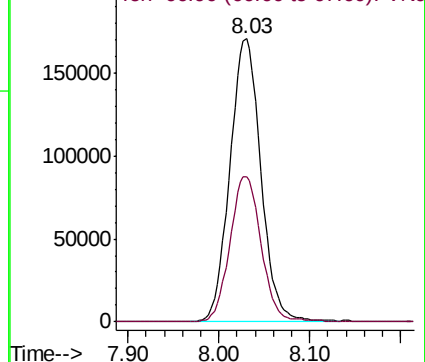
65 100

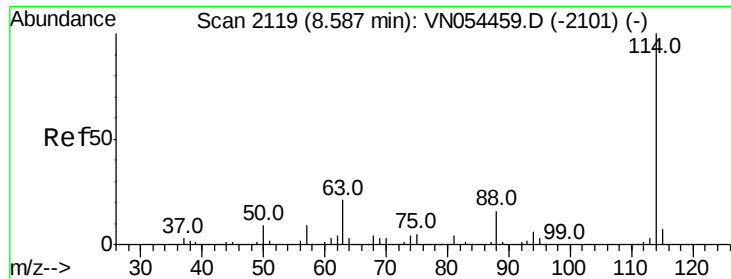
67 51.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



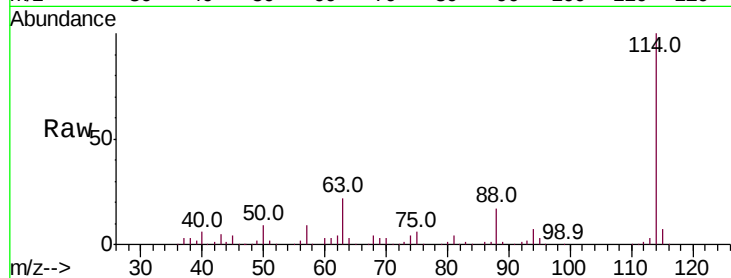


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054536.D
 Acq: 22 Mar 2019 3:38

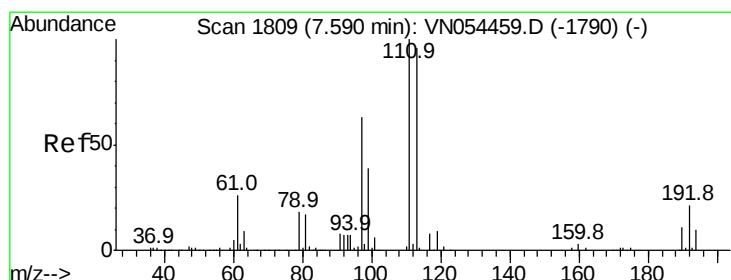
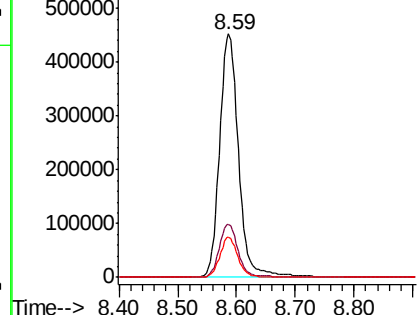
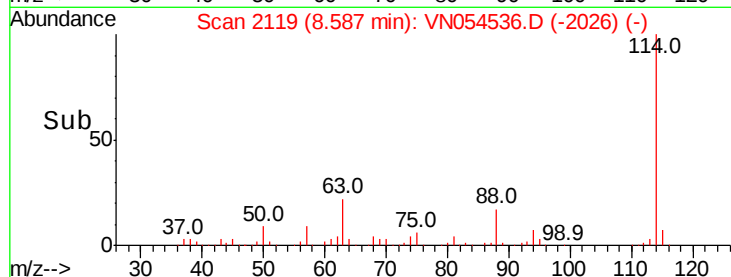
Instrument :
 MSVOA_N
 ClientSampleId :
 EO-02-032019-B

Tot Ion:114 Resp: 1008031

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	35.2
88	16.7	0.0	30.2



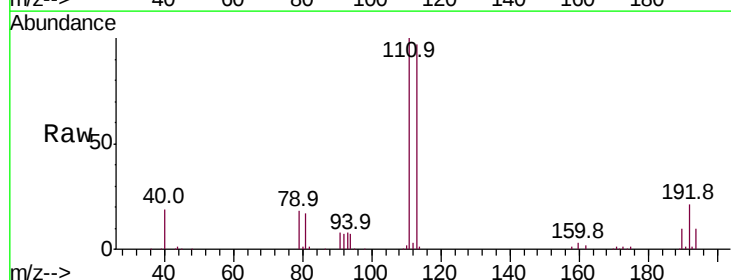
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



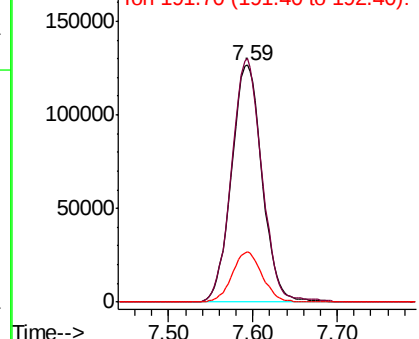
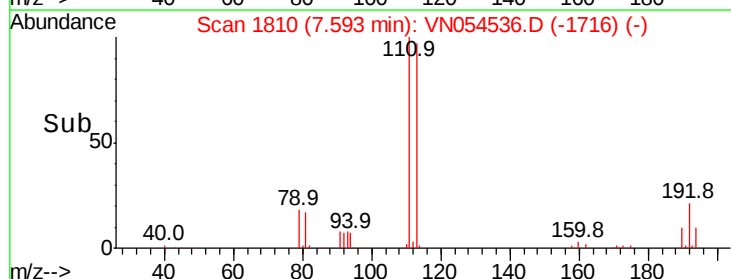
#35
 Dibromofluoromethane
 Concen: 49.470 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054536.D
 Acq: 22 Mar 2019 3:38

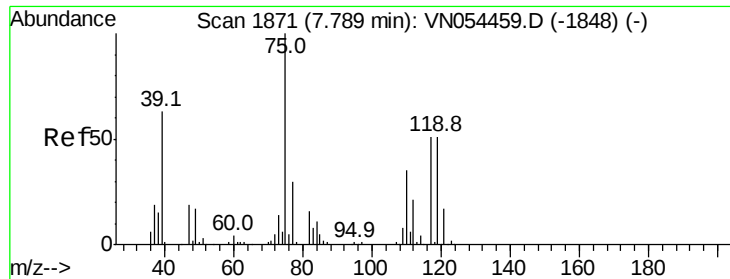
Tgt Ion:113 Resp: 321272

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	20.8	19.2	28.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

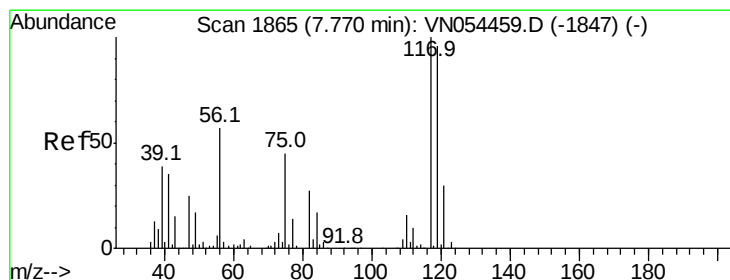
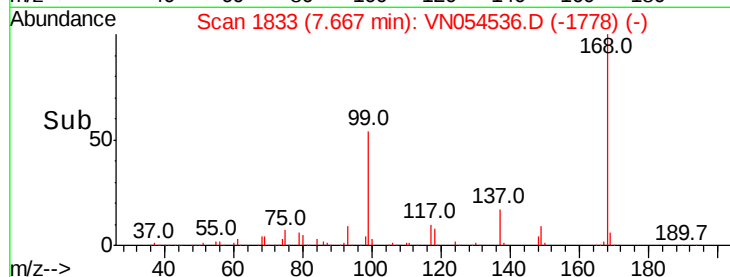
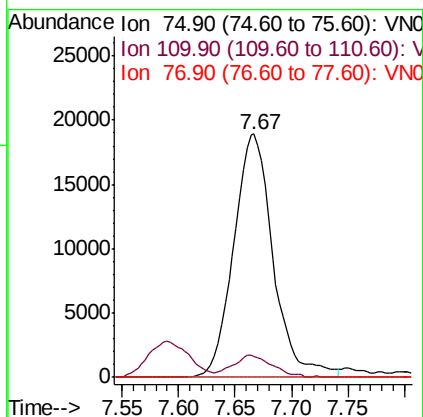
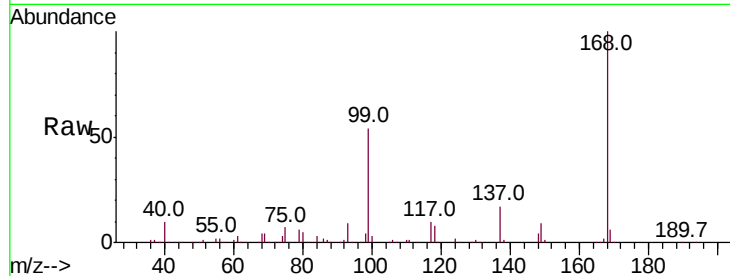




#36
 1,1-Dichloropropene
 Concen: 4.878 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054536.D
 Acq: 22 Mar 2019 3:38

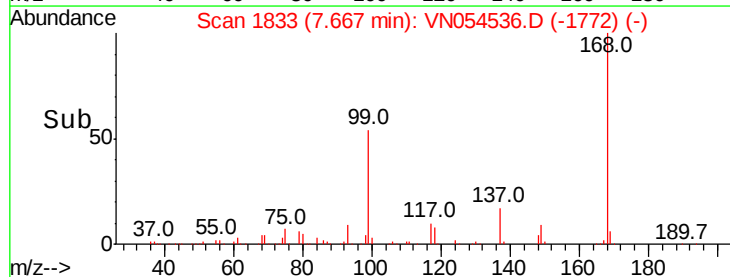
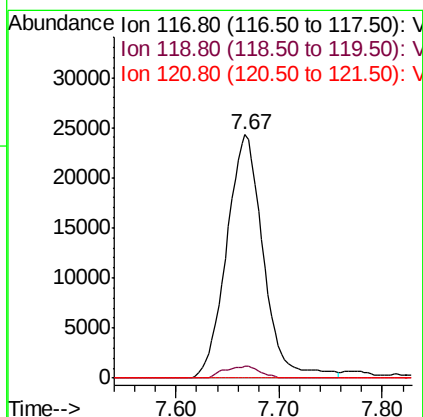
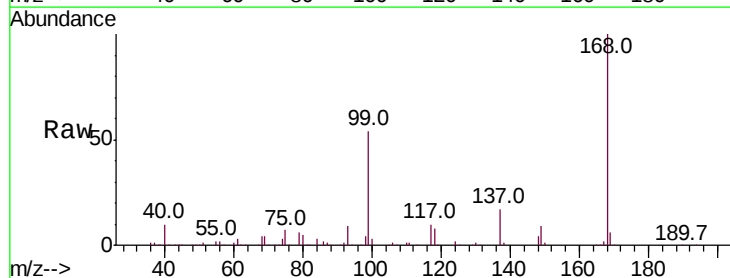
Instrument :
 MSVOA_N
 ClientSampleId :
 EO-02-032019-B

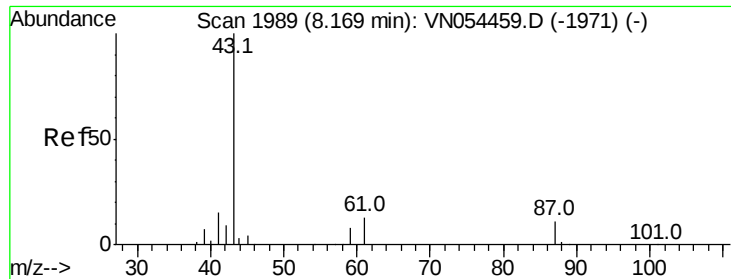
Tot Ion: 75 Resp: 45979
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.581 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN054536.D
 Acq: 22 Mar 2019 3:38

Tgt Ion: 117 Resp: 60280
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.3 114.5#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 1.433 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

Instrument :

MSVOA_N

ClientSampleId :

EO-02-032019-B

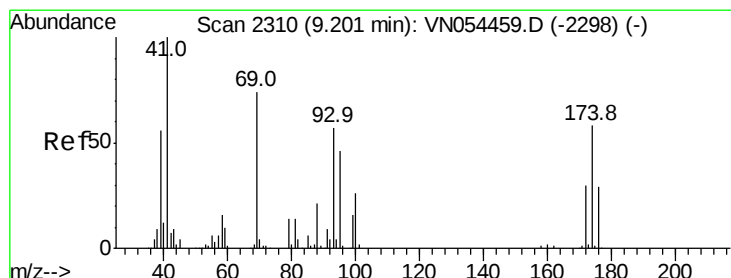
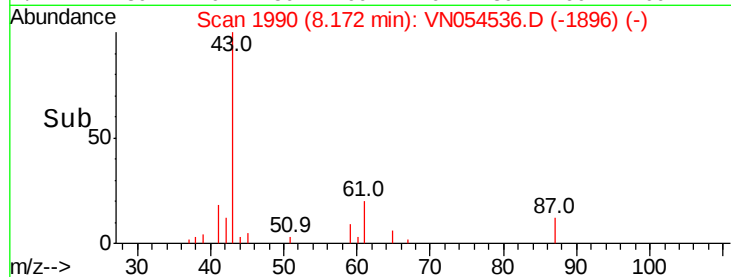
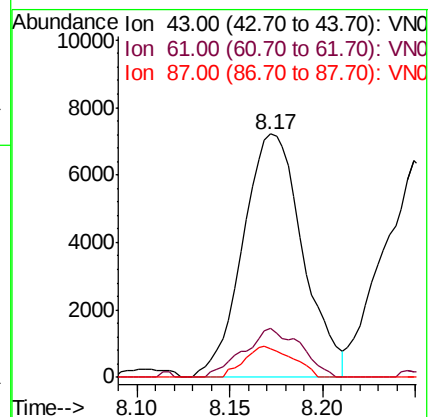
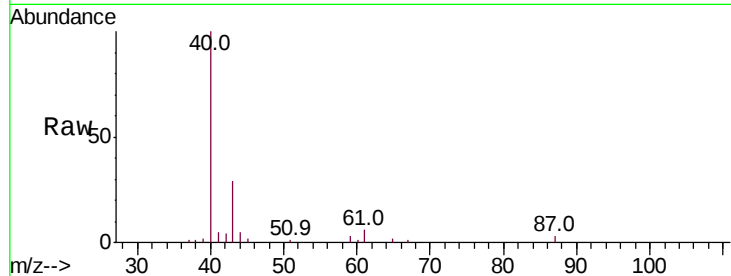
Tot Ion: 43 Resp: 16226

Ion Ratio Lower Upper

43 100

61 19.0 15.8 23.8

87 10.1 12.0 18.0#



#48

Methyl methacrylate

Concen: 1.347 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

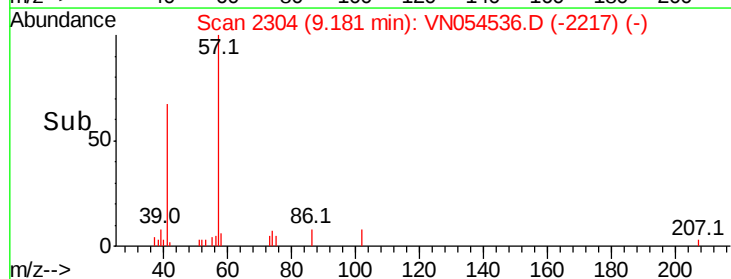
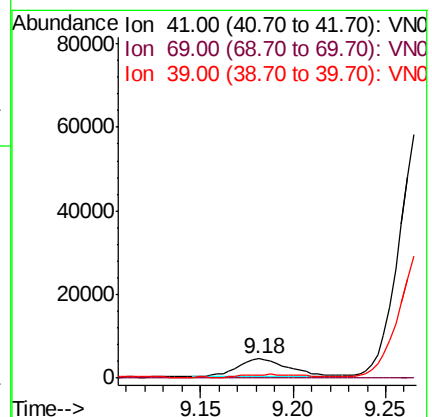
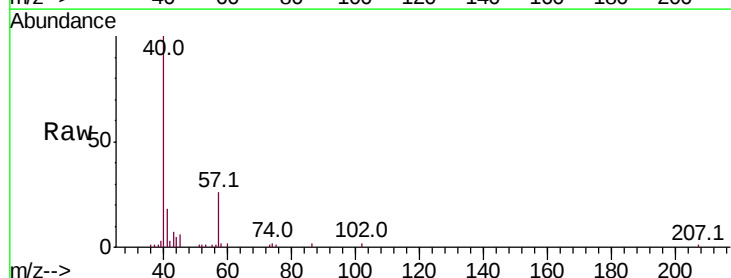
Tgt Ion: 41 Resp: 8280

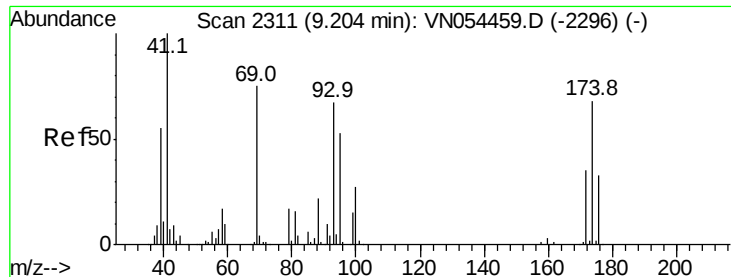
Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

39 28.4 47.5 71.3#

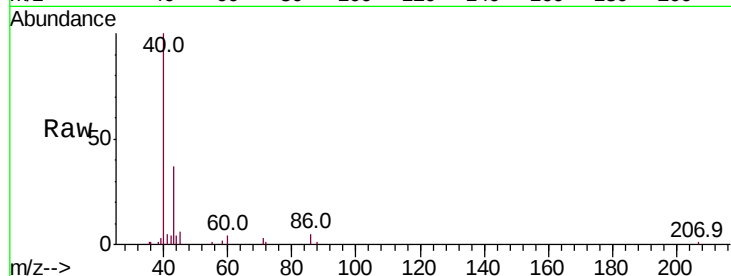




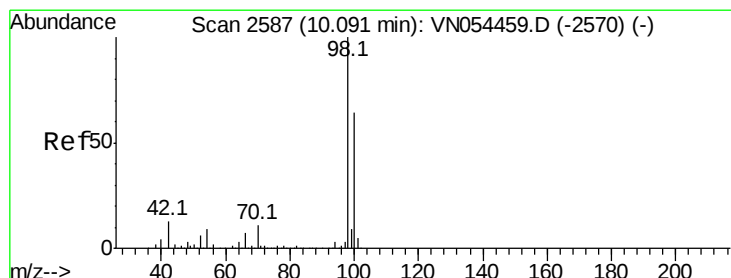
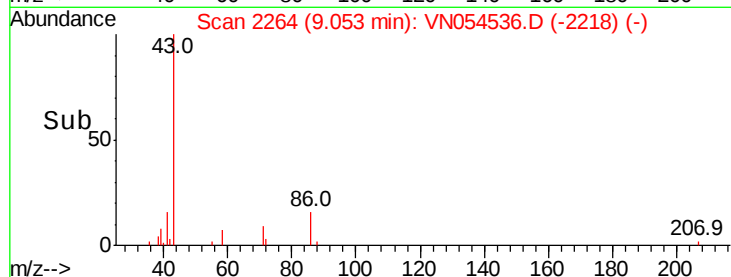
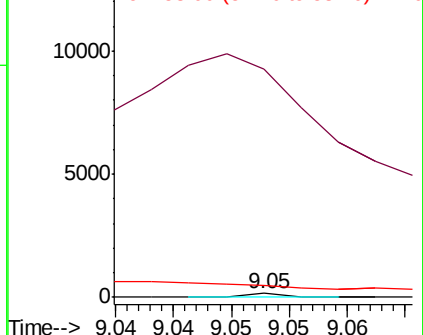
#49
1,4-Dioxane
Concen: 0.466 ug/l
RT: 9.05 min Scan# 2264
Delta R.T. -0.15 min
Lab File: VN054536.D
Acq: 22 Mar 2019 3:38

Instrument :
MSVOA_N
ClientSampleId :
EO-02-032019-B

Tot Ion: 88 Resp: 32
Ion Ratio Lower Upper
88 100
43 0.0 24.1 36.1#
58 4306.3 50.8 76.2#

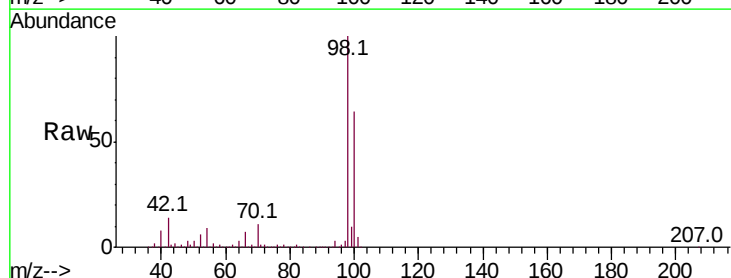


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

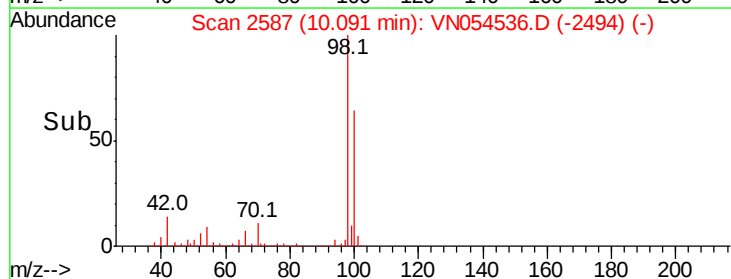
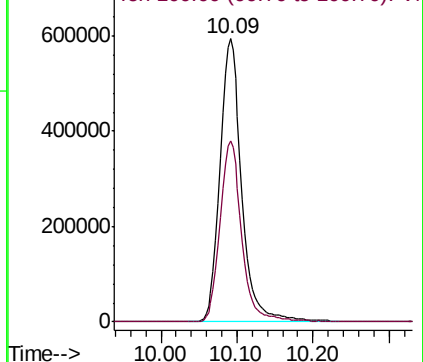


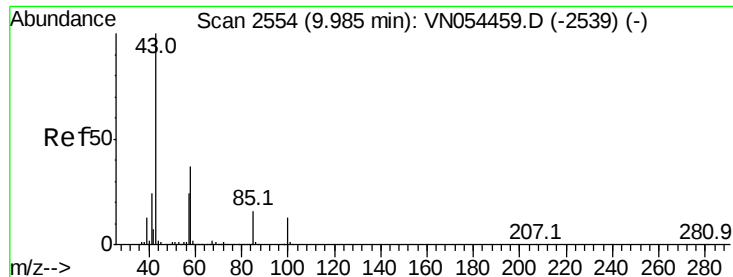
#50
Toluene-d8
Concen: 48.343 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054536.D
Acq: 22 Mar 2019 3:38

Tgt Ion: 98 Resp: 1180253
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.352 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

Instrument :

MSVOA_N

ClientSampleId :

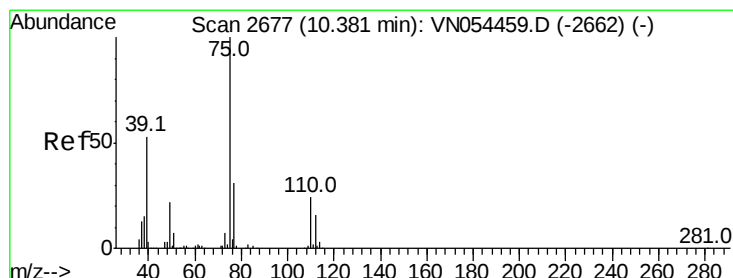
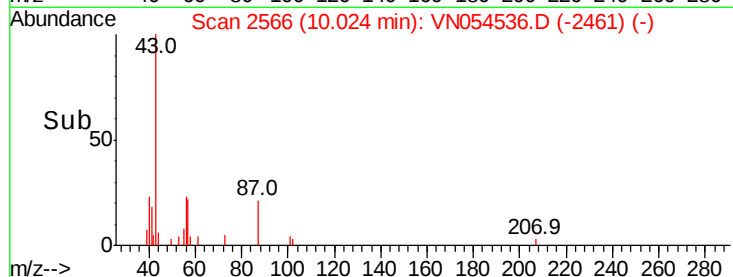
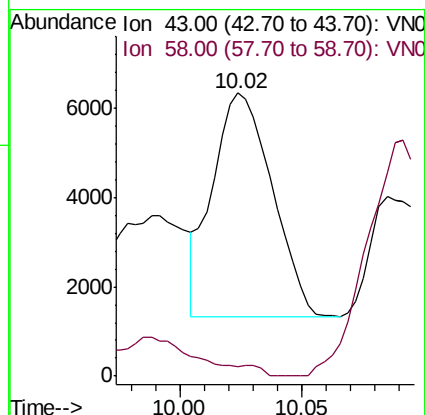
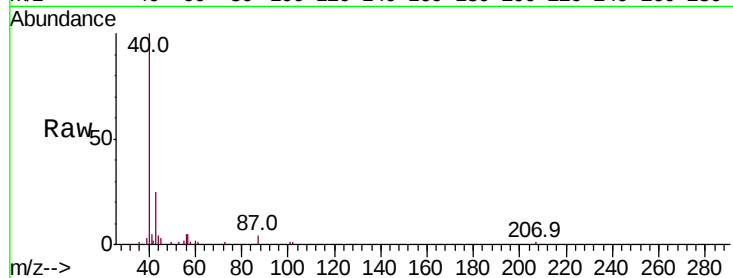
EO-02-032019-B

Tot Ion: 43 Resp: 8481

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



#53

t-1,3-Dichloropropene

Concen: 2.235 ug/l

RT: 10.12 min Scan# 2595

Delta R.T. -0.26 min

Lab File: VN054536.D

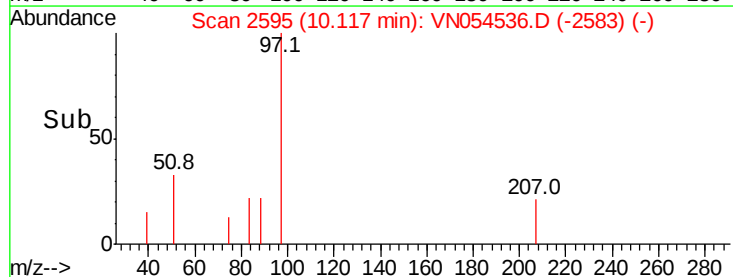
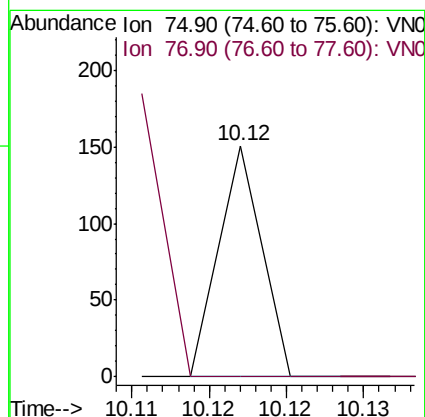
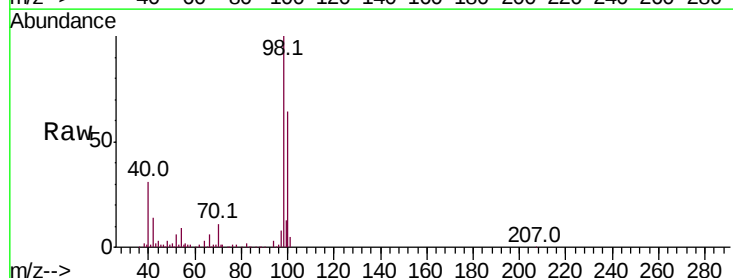
Acq: 22 Mar 2019 3:38

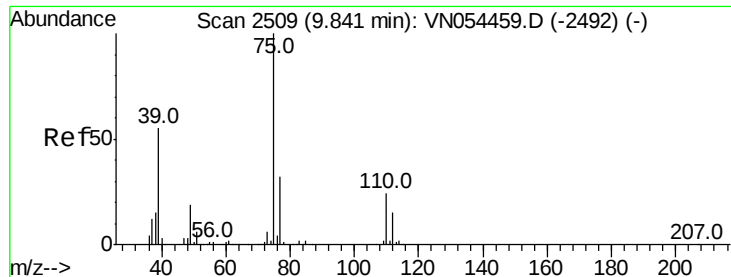
Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#





#54

cis-1,3-Dichloropropene

Concen: 5.808 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

Instrument :

MSVOA_N

ClientSampleId :

EO-02-032019-B

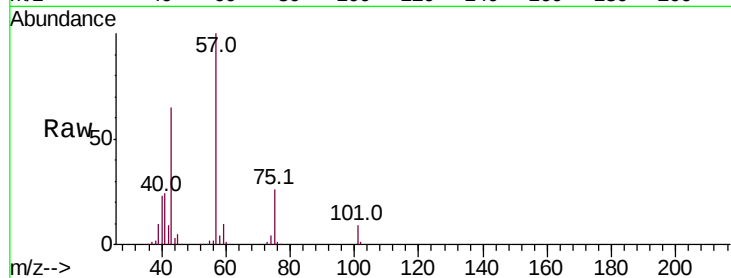
Tot Ion: 75 Resp: 59666

Ion Ratio Lower Upper

75 100

77 0.5 25.4 38.0#

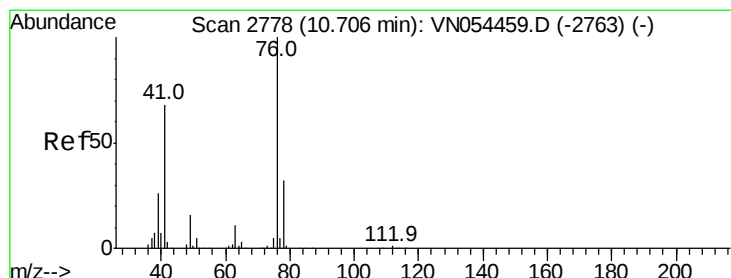
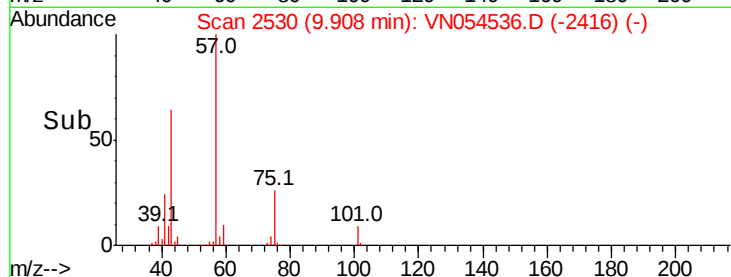
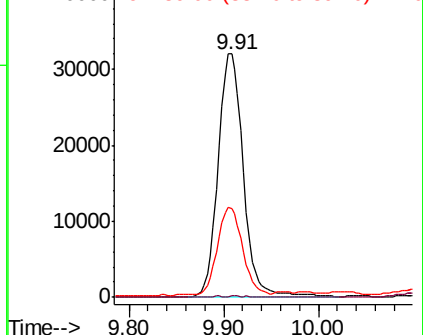
39 35.6 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.095 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054536.D

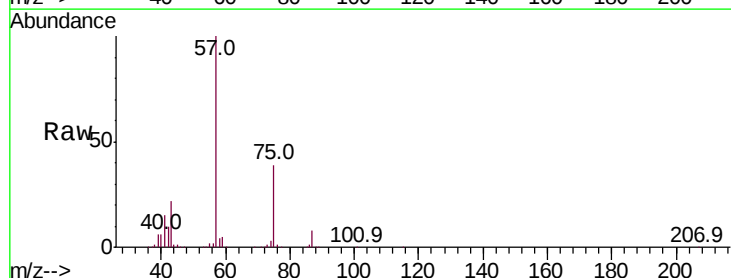
Acq: 22 Mar 2019 3:38

Tgt Ion: 76 Resp: 11343

Ion Ratio Lower Upper

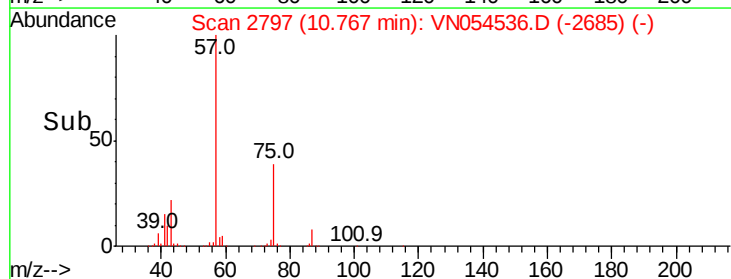
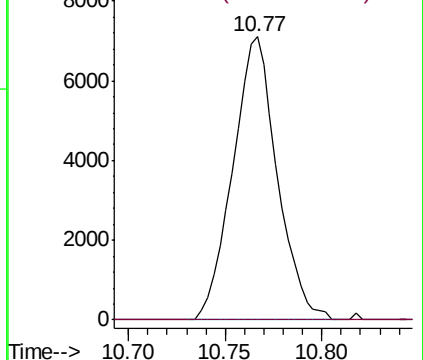
76 100

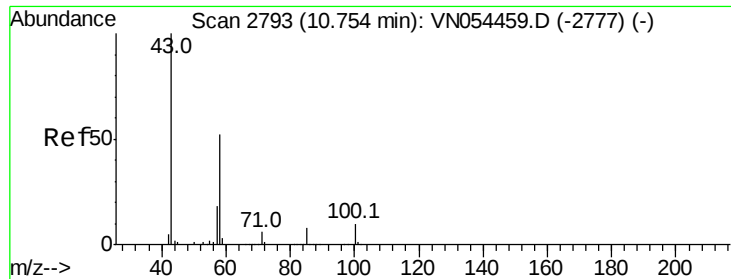
78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 44.689 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

Instrument :

MSVOA_N

ClientSampleId :

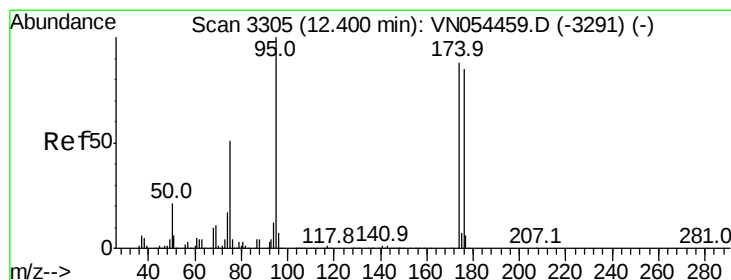
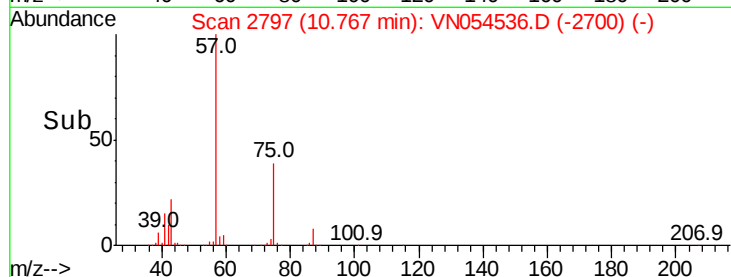
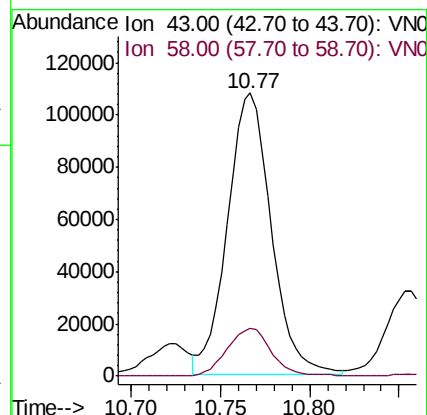
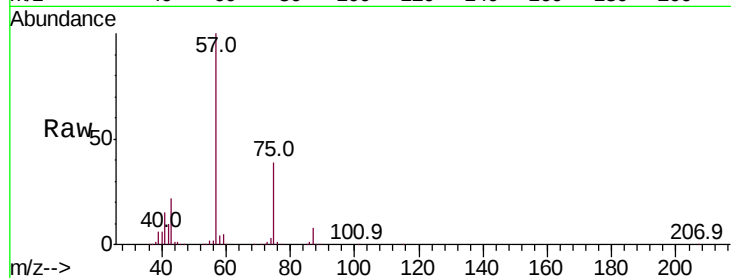
EO-02-032019-B

Tot Ion: 43 Resp: 183150

Ion Ratio Lower Upper

43 100

58 17.4 28.0 83.9#



#62

4-Bromofluorobenzene

Concen: 44.349 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

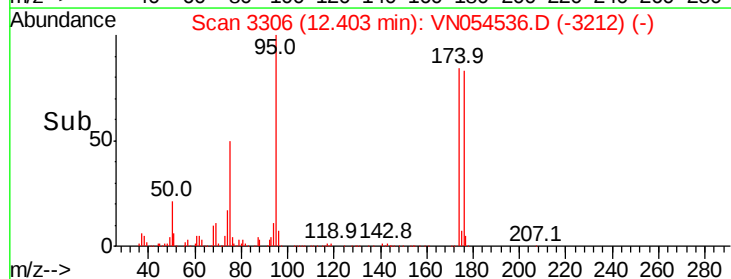
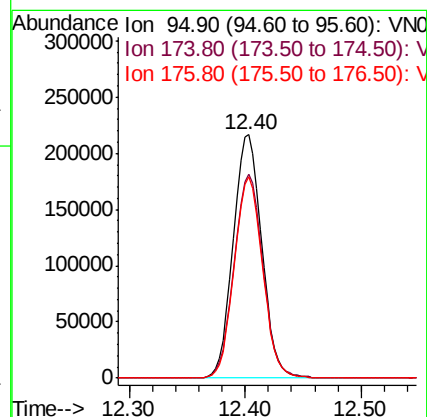
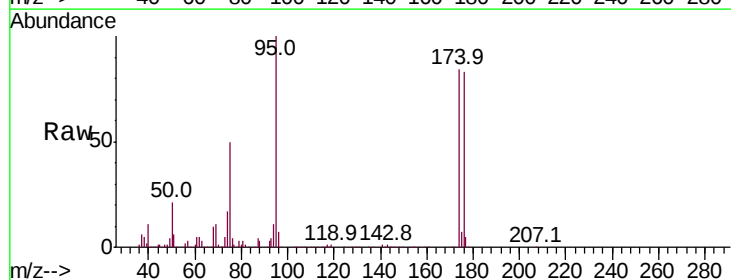
Tgt Ion: 95 Resp: 368441

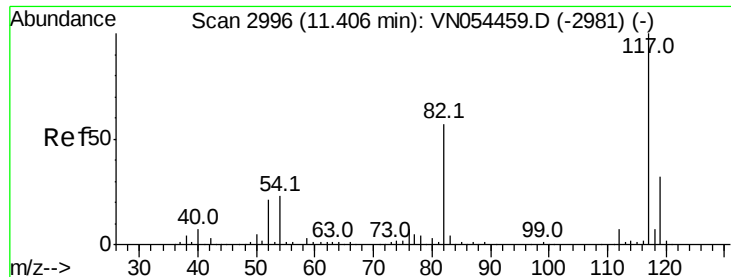
Ion Ratio Lower Upper

95 100

174 84.4 0.0 191.0

176 82.0 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

Instrument :

MSVOA_N

ClientSampleId :

EO-02-032019-B

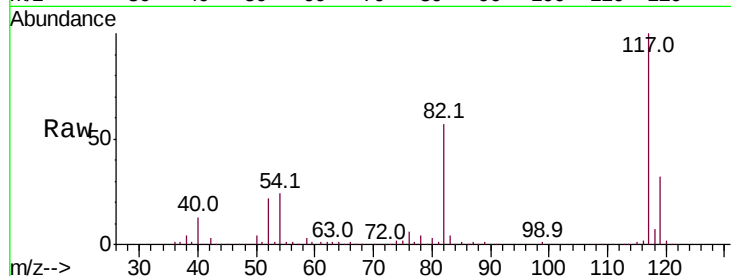
Tot Ion:117 Resp: 831730

Ion Ratio Lower Upper

117 100

82 56.7 40.0 60.0

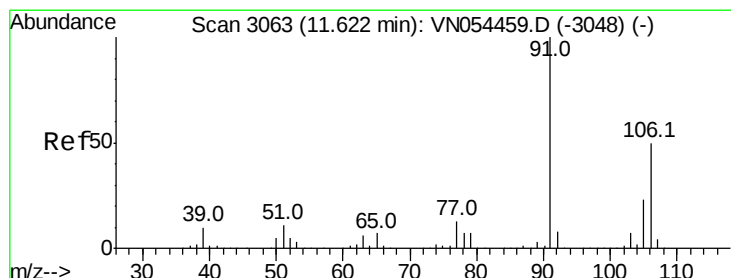
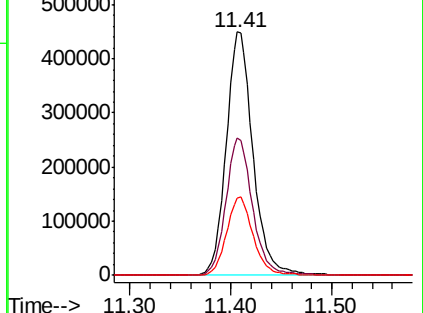
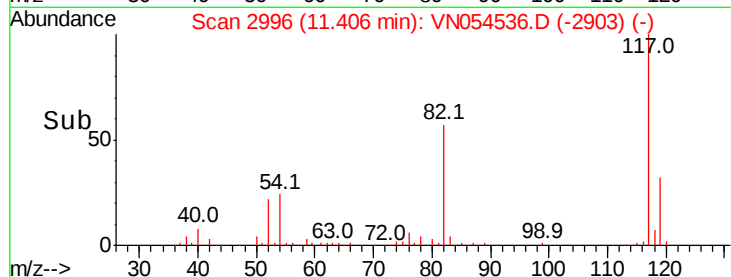
119 31.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#68

m/p-Xylenes

Concen: 0.539 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054536.D

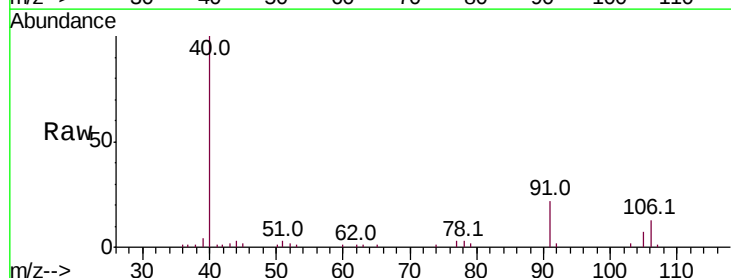
Acq: 22 Mar 2019 3:38

Tgt Ion:106 Resp: 6106

Ion Ratio Lower Upper

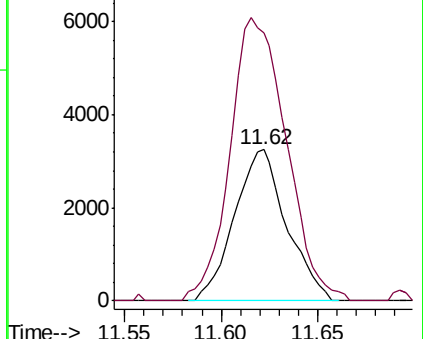
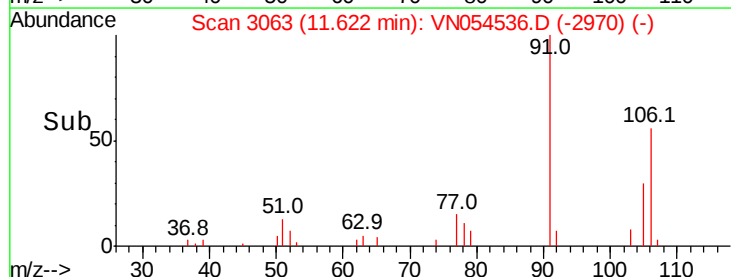
106 100

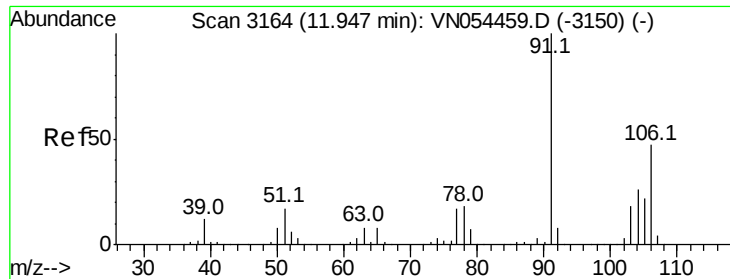
91 201.4 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

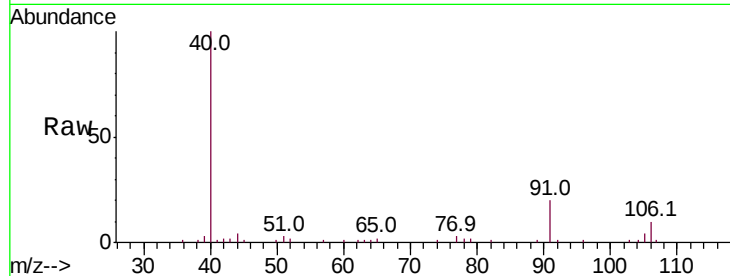




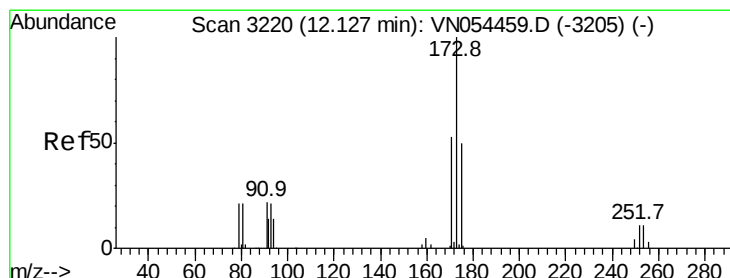
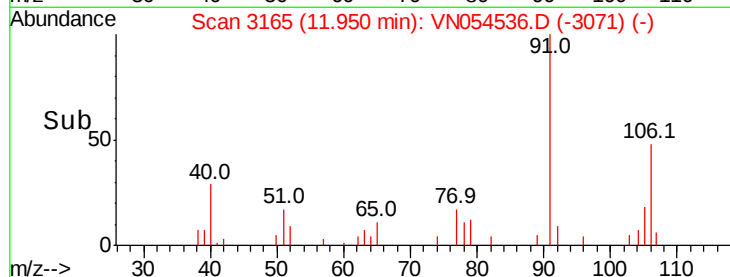
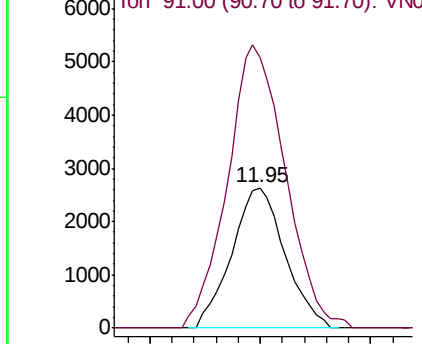
#69
o-Xylene
Concen: 0.400 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054536.D
Acq: 22 Mar 2019 3:38

Instrument :
MSVOA_N
ClientSampleId :
EO-02-032019-B

Tot Ion:106 Resp: 4425
Ion Ratio Lower Upper
106 100
91 219.1 105.7 317.1

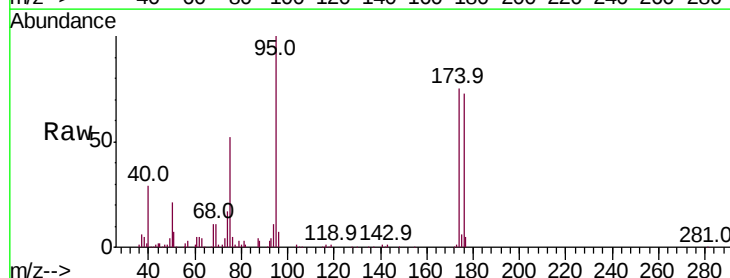


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

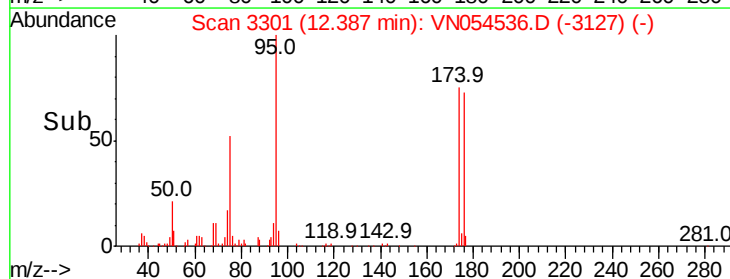
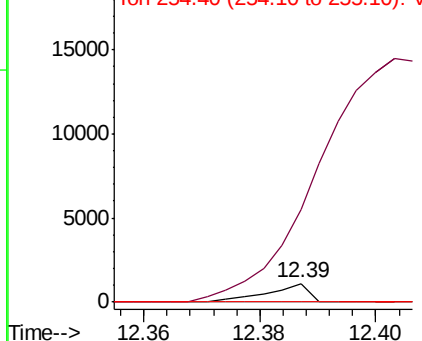


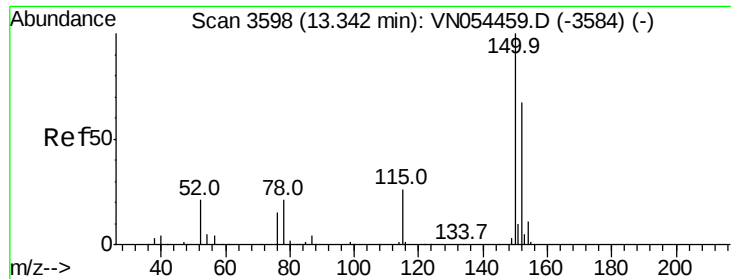
#71
Bromoform
Concen: 2.341 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.26 min
Lab File: VN054536.D
Acq: 22 Mar 2019 3:38

Tgt Ion:173 Resp: 529
Ion Ratio Lower Upper
173 100
175 3988.5 24.4 73.2#
254 0.0 0.1 0.1#



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: VN054536.D

Acq: 22 Mar 2019 3:38

Instrument :

MSVOA_N

ClientSampleId :

EO-02-032019-B

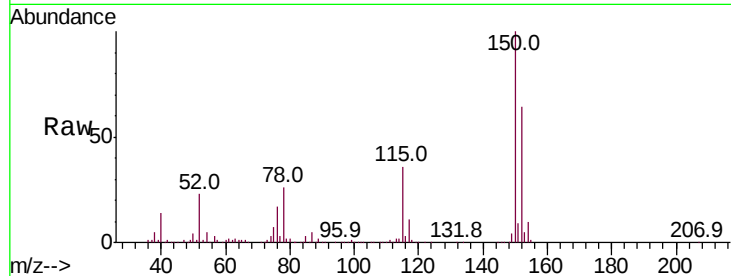
Tot Ion:152 Resp: 314932

Ion Ratio Lower Upper

152 100

115 58.3 27.2 81.6

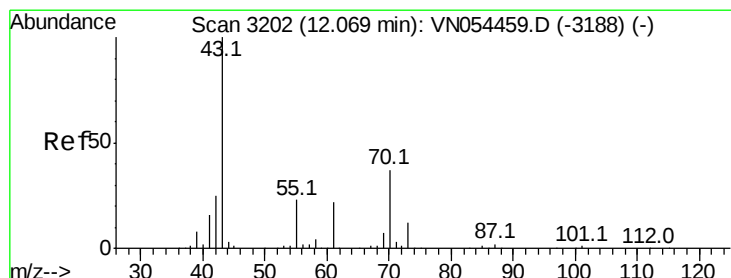
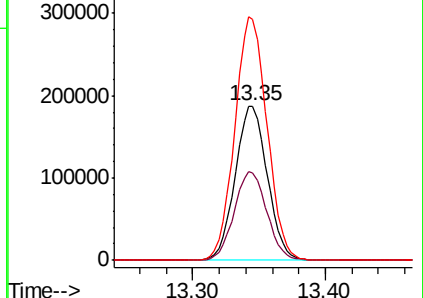
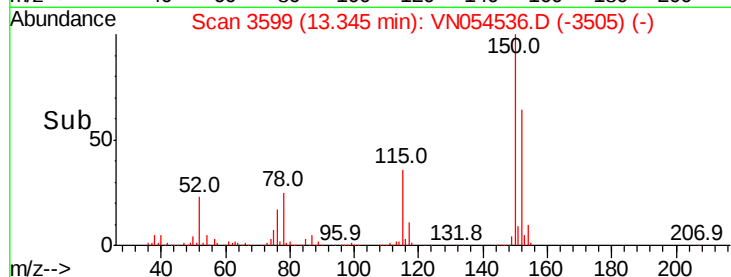
150 158.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 2.750 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

Tgt Ion: 43 Resp: 20067

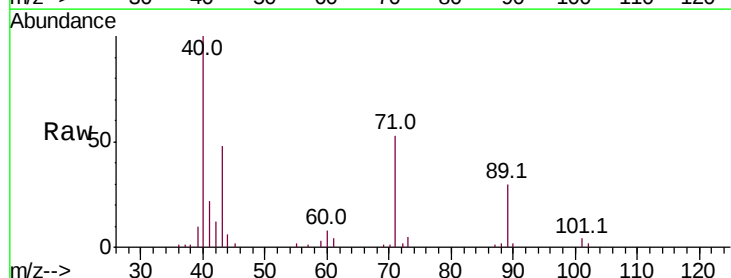
Ion Ratio Lower Upper

43 100

70 1.9 35.4 53.0#

55 5.2 19.8 29.6#

61 8.9 19.8 29.6#

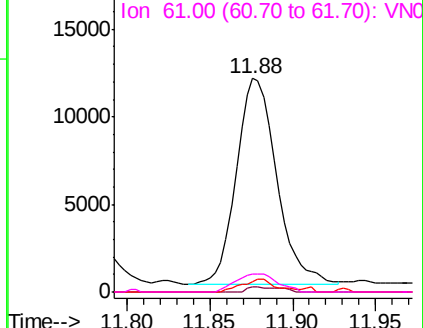
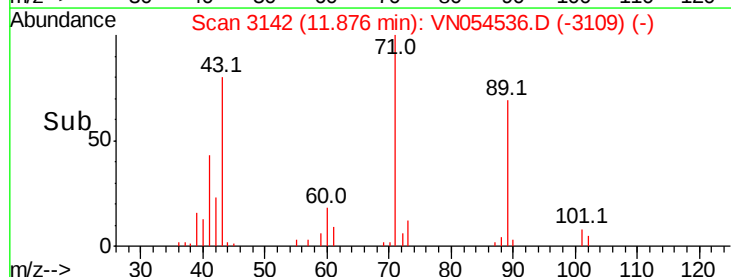


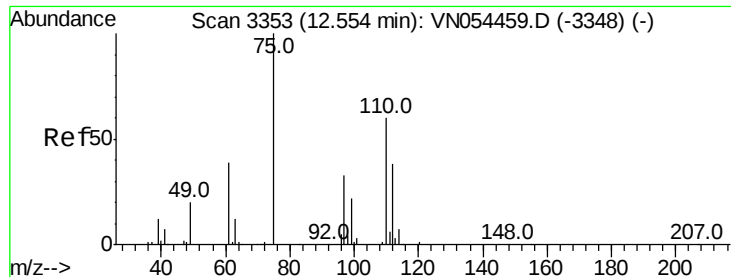
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 37.754 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

Instrument :

MSVOA_N

ClientSampleId :

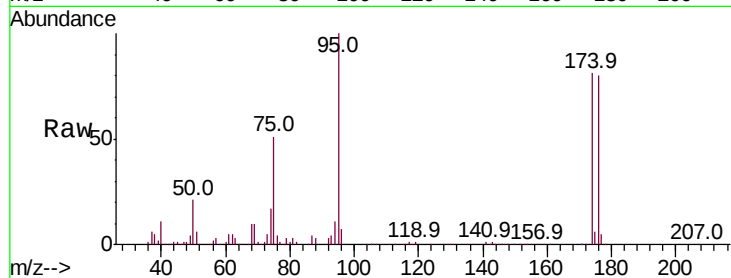
EO-02-032019-B

Tot Ion: 75 Resp: 188675

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054459.D (-3348) (-)

12.40

120000

100000

80000

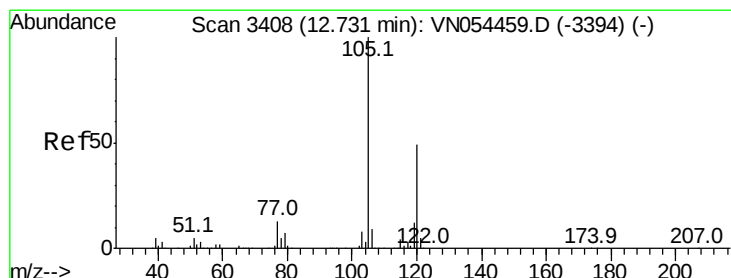
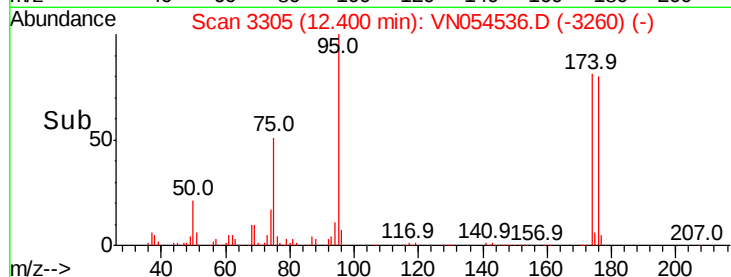
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#80

1,3,5-Trimethylbenzene

Concen: 1.167 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054536.D

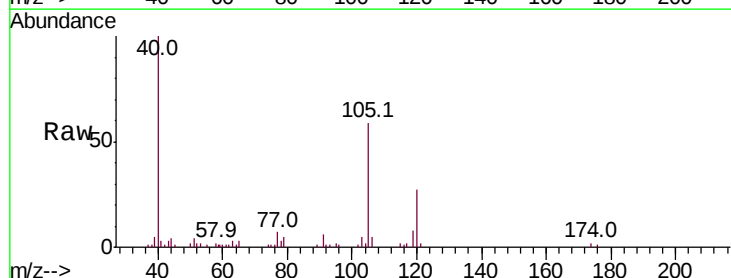
Acq: 22 Mar 2019 3:38

Tgt Ion: 105 Resp: 24265

Ion Ratio Lower Upper

105 100

120 45.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

12.73

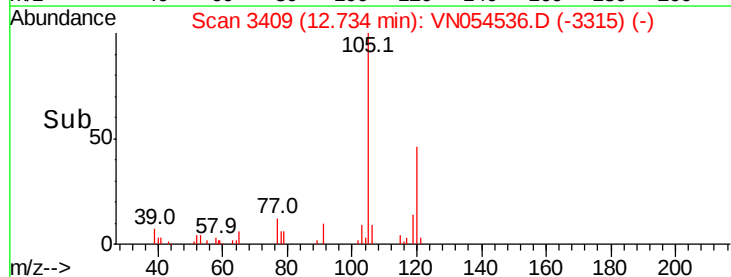
15000

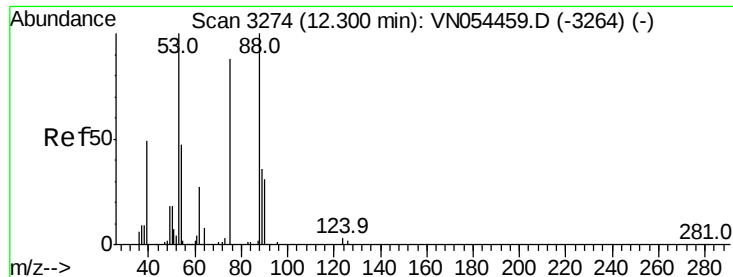
10000

5000

0

Time--> 12.70 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 125.067 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

Instrument :

MSVOA_N

ClientSampleId :

EO-02-032019-B

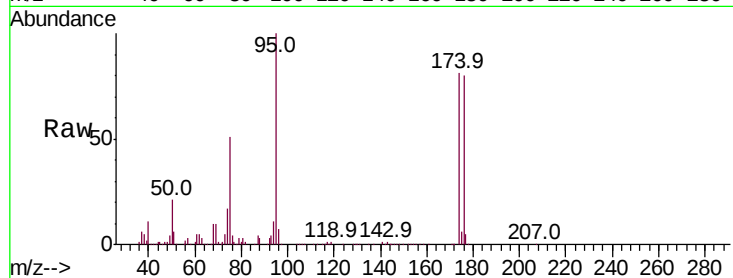
Tot Ion: 75 Resp: 188675

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

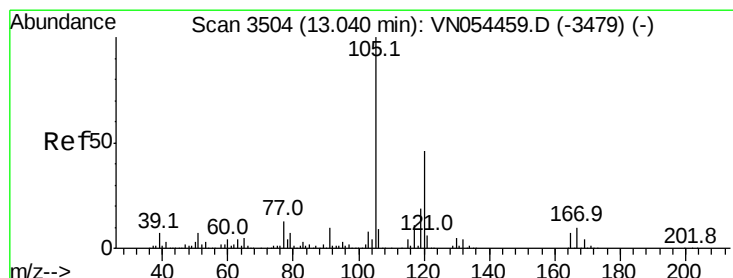
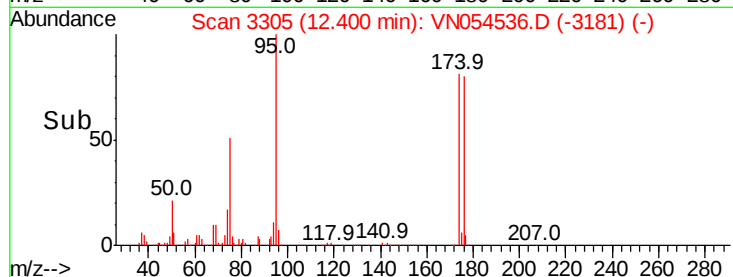
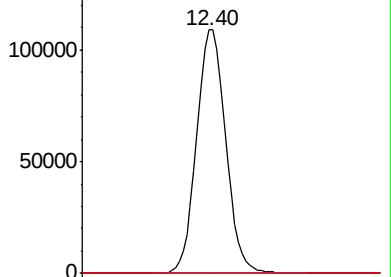
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN054459.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN054459.D (-3264) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.391 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN054536.D

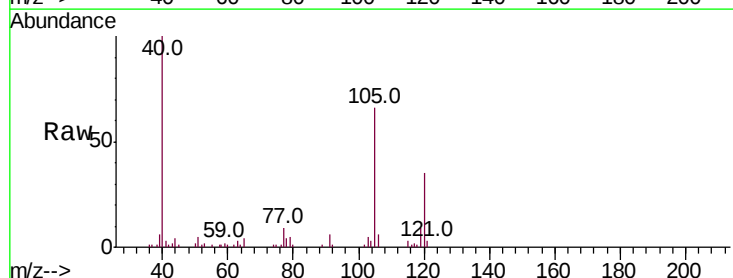
Acq: 22 Mar 2019 3:38

Tgt Ion: 105 Resp: 28385

Ion Ratio Lower Upper

105 100

120 48.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3479) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3479) (-)

Ion 166.90 (166.60 to 167.60): VN054459.D (-3479) (-)

Ion 201.80 (201.50 to 202.50): VN054459.D (-3479) (-)

Ion 239.00 (238.70 to 239.30): VN054459.D (-3479) (-)

Ion 253.00 (252.70 to 253.30): VN054459.D (-3479) (-)

Ion 267.00 (266.70 to 267.30): VN054459.D (-3479) (-)

Ion 281.00 (280.70 to 281.30): VN054459.D (-3479) (-)

Ion 295.00 (294.70 to 295.30): VN054459.D (-3479) (-)

Ion 309.00 (308.70 to 309.30): VN054459.D (-3479) (-)

Ion 323.00 (322.70 to 323.30): VN054459.D (-3479) (-)

Ion 337.00 (336.70 to 337.30): VN054459.D (-3479) (-)

Ion 351.00 (350.70 to 351.30): VN054459.D (-3479) (-)

Ion 365.00 (364.70 to 365.30): VN054459.D (-3479) (-)

Ion 379.00 (378.70 to 379.30): VN054459.D (-3479) (-)

Ion 393.00 (392.70 to 393.30): VN054459.D (-3479) (-)

Ion 407.00 (406.70 to 407.30): VN054459.D (-3479) (-)

Ion 421.00 (420.70 to 421.30): VN054459.D (-3479) (-)

Ion 435.00 (434.70 to 435.30): VN054459.D (-3479) (-)

Ion 449.00 (448.70 to 449.30): VN054459.D (-3479) (-)

Ion 463.00 (462.70 to 463.30): VN054459.D (-3479) (-)

Ion 477.00 (476.70 to 477.30): VN054459.D (-3479) (-)

Ion 491.00 (490.70 to 491.30): VN054459.D (-3479) (-)

Ion 505.00 (504.70 to 505.30): VN054459.D (-3479) (-)

Ion 519.00 (518.70 to 519.30): VN054459.D (-3479) (-)

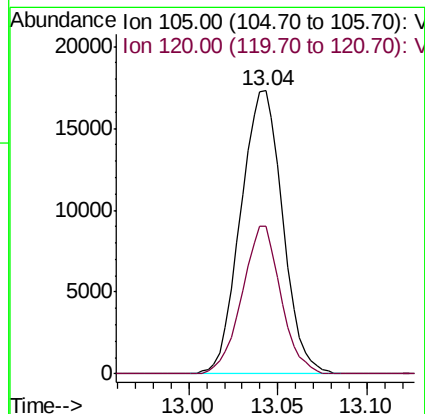
Ion 533.00 (532.70 to 533.30): VN054459.D (-3479) (-)

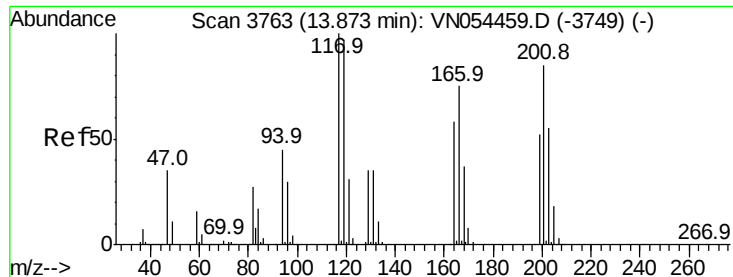
Ion 547.00 (546.70 to 547.30): VN054459.D (-3479) (-)

Ion 561.00 (560.70 to 561.30): VN054459.D (-3479) (-)

Ion 575.00 (574.70 to 575.30): VN054459.D (-3479) (-)

Ion 589.00 (588.70 to 589.30): VN054459.D (-3479) (-)





#90

Hexachloroethane

Concen: 0.331 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

Instrument :

MSVOA_N

ClientSampleId :

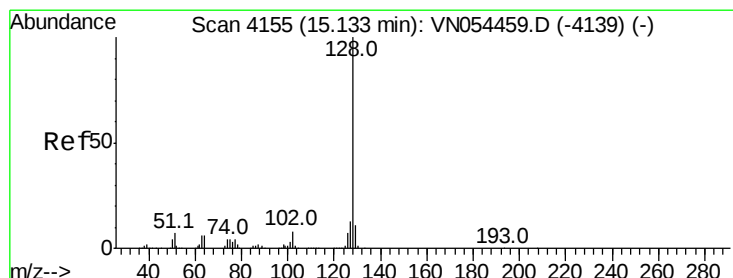
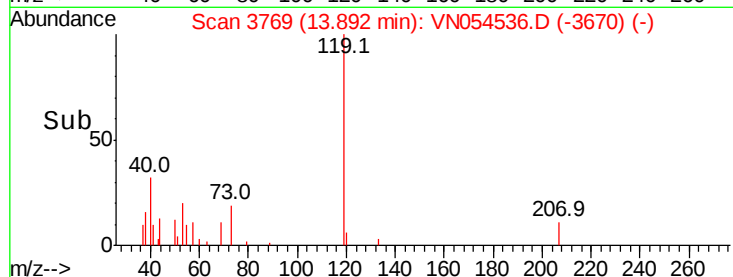
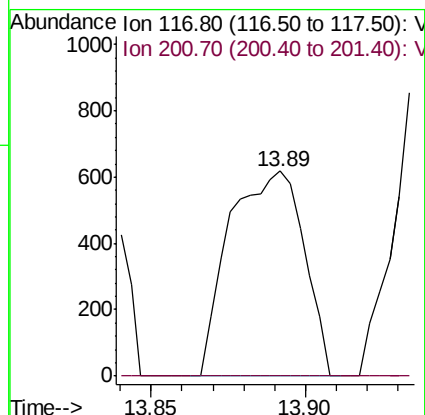
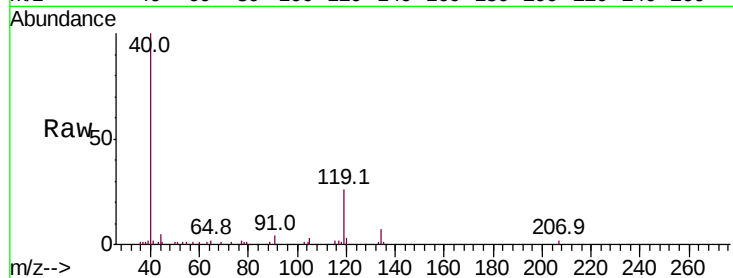
EO-02-032019-B

Tot Ion:117 Resp: 1037

Ion Ratio Lower Upper

117 100

201 0.0 48.1 144.4#



#95

Naphthalene

Concen: 1.464 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054536.D

Acq: 22 Mar 2019 3:38

Tgt Ion:128 Resp: 16448

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

129 10.3 8.7 13.1

