

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050445.D
 Acq On : 7 Aug 2018 20:48
 Operator : MD\SY
 Sample : J4321-01
 Misc : 6.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-NW-IMPACTED-0818

Quant Time: Aug 08 05:29:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	809837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1211395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1066320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	543030	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	489958	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
35) Dibromofluoromethane	7.59	113	444283	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	
50) Toluene-d8	10.09	98	1737560	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	12.40	95	581175	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.51	94	28038	5.12	ug/l	96
10) Methyl Iodide	3.93	142	17834	4.36	ug/l	97
11) Tert butyl alcohol	4.74	59	4974	5.72	ug/l #	72
16) Acetone	3.83	43	8742	2.35	ug/l	98
17) Carbon Disulfide	4.03	76	5970	0.21	ug/l #	93
18) Methyl Acetate	4.33	43	55899	6.50	ug/l	97
20) Methylene Chloride	4.54	84	3672	Below Cal		93
25) 2-Butanone	6.84	43	4129	0.77	ug/l	99
31) Cyclohexane	7.66	56	16892	0.47	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	54064	4.06	ug/l #	48
37) Ethyl Acetate	6.84	43	4129	0.43	ug/l #	72
38) Carbon Tetrachloride	7.67	117	69429	5.00	ug/l #	16
39) Methylcyclohexane	9.08	83	89522	6.16	ug/l	99
48) Methyl methacrylate	9.15	41	5662	0.68	ug/l #	48
51) 4-Methyl-2-Pentanone	10.09	43	21079	1.77	ug/l #	52
52) Toluene	10.16	92	9014	0.37	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	63775	6.65	ug/l #	20
56) Ethyl methacrylate	10.43	69	29397	3.80	ug/l #	5
58) 2-Chloroethyl Vinyl ether	9.75	63	30	7.40	ug/l #	48
59) 2-Hexanone	10.72	43	132584	15.94	ug/l #	28
67) Ethyl Benzene	11.51	91	36536	0.85	ug/l	96
68) m/p-Xylenes	11.63	106	6717	0.41	ug/l	83
69) o-Xylene	11.95	106	45950	2.90	ug/l	93
73) Isopropylbenzene	12.25	105	416354	10.21	ug/l	100
74) N-amyl acetate	12.04	43	294876	22.32	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.45	83	21640	1.84	ug/l #	77
76) 1,2,3-Trichloropropane	12.40	75	266084	27.07	ug/l #	100
78) n-propylbenzene	12.59	91	936284	20.29	ug/l	100
79) 2-Chlorotoluene	12.59	91	936284	32.86	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.69	105	36946	1.12	ug/l	74
81) trans-1,4-Dichloro-2-buten	12.40	75	266084	95.11	ug/l #	14
82) 4-Chlorotoluene	12.89	91	48257	1.70	ug/l #	41
83) tert-Butylbenzene	12.99	119	23155	0.80	ug/l	78
84) 1,2,4-Trimethylbenzene	13.04	105	60719	1.81	ug/l	100

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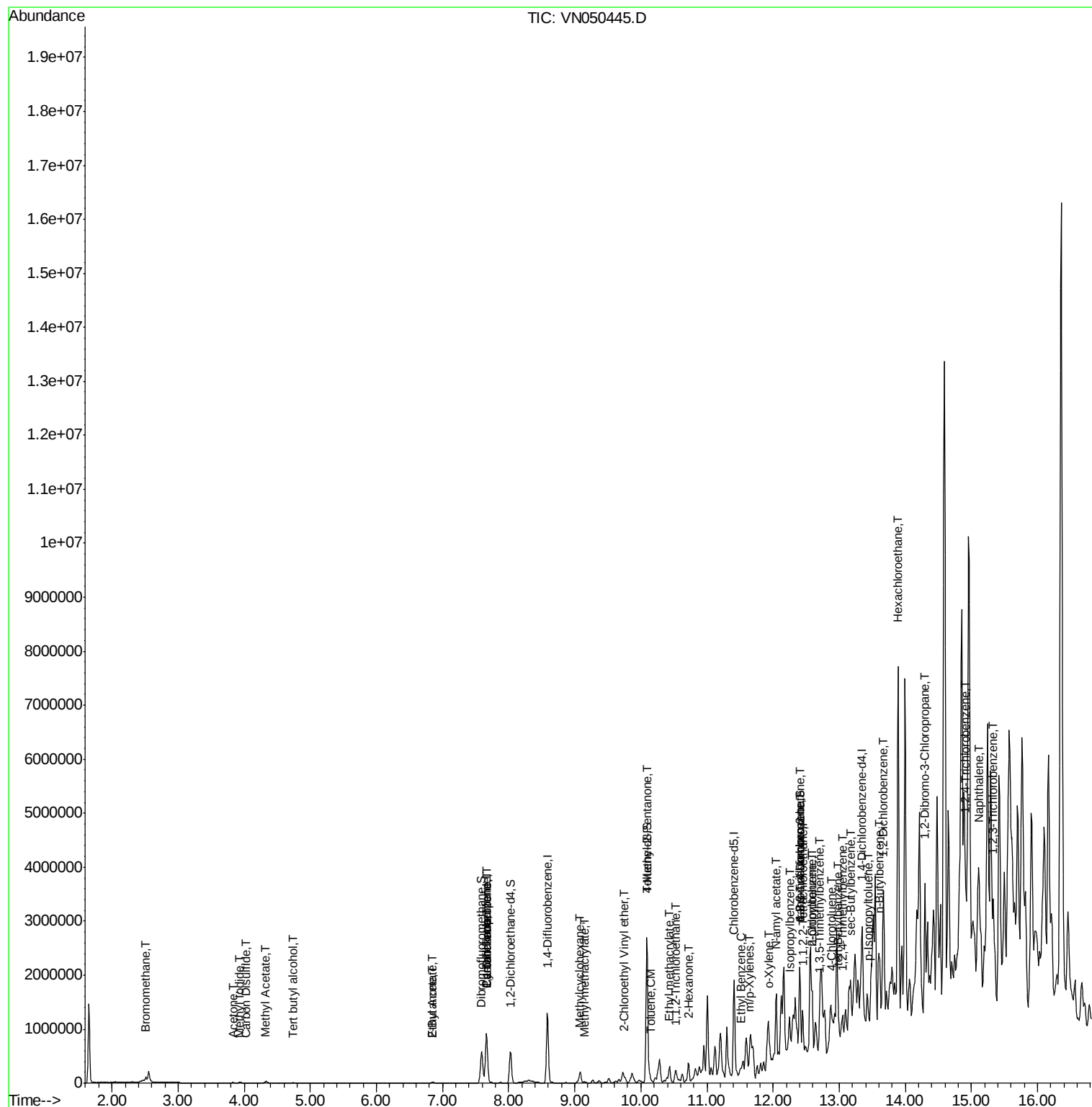
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	458266	11.91	ug/l #	78
86) p-Isopropyltoluene	13.44	119	172948	5.25	ug/l	94
89) n-Butylbenzene	13.62	91	661696	23.57	ug/l #	77
90) Hexachloroethane	13.89	117	316079	53.91	ug/l #	4
91) 1,2-Dichlorobenzene	13.65	146	7375	0.38	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.30	75	7259	3.64	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.91	180	2529	0.25	ug/l #	1
95) Naphthalene	15.11	128	63027	5.84	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.34	180	4629	0.46	ug/l #	12

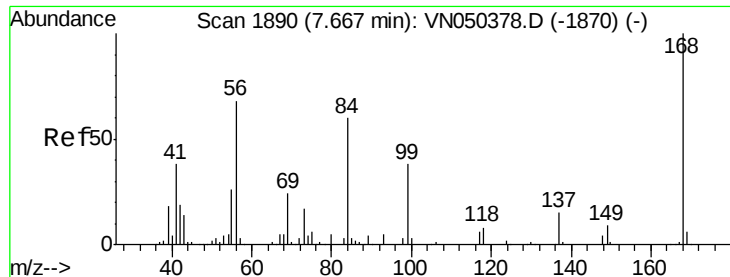
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

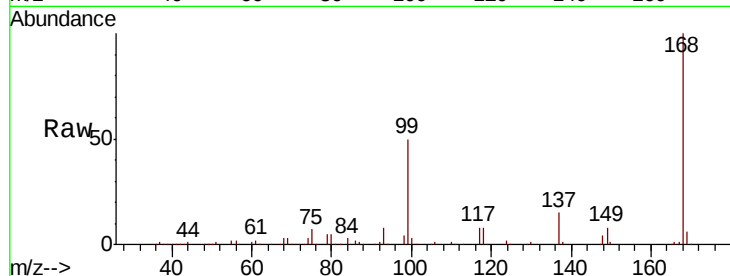
EP1-NW-IMPACTED-0818

Tot Ion:168 Resp: 809837

Ion Ratio Lower Upper

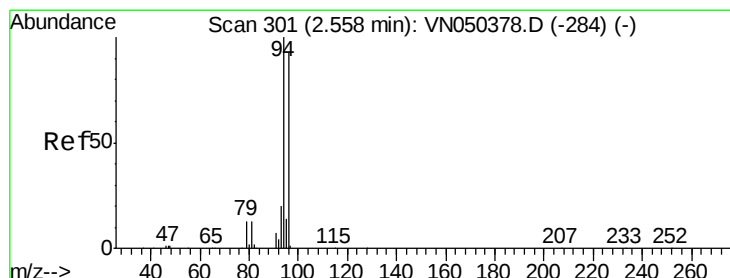
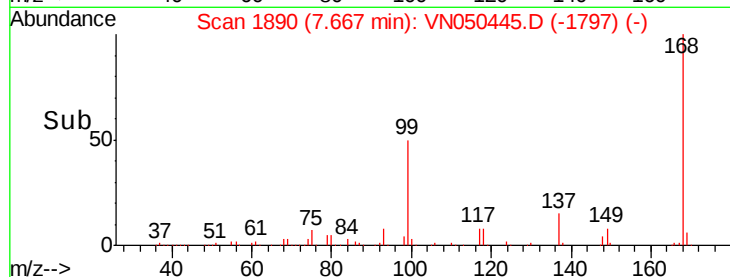
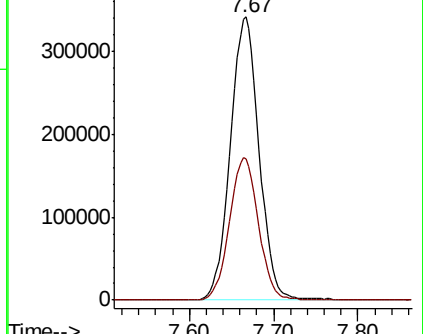
168 100

99 50.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: 5.12 ug/l

RT: 2.51 min Scan# 286

Delta R.T. -0.05 min

Lab File: VN050445.D

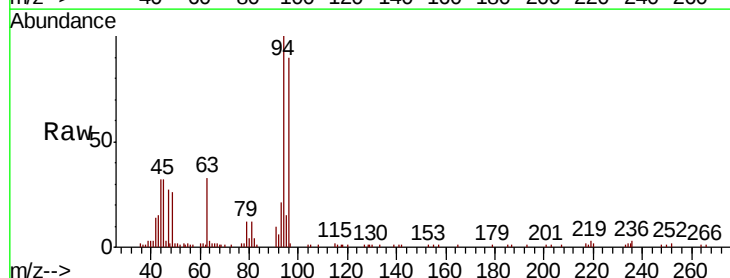
Acq: 7 Aug 2018 20:48

Tgt Ion: 94 Resp: 28038

Ion Ratio Lower Upper

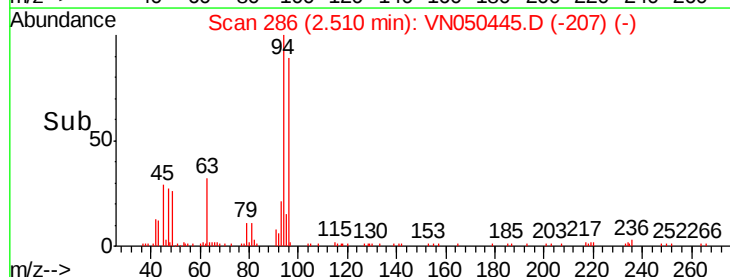
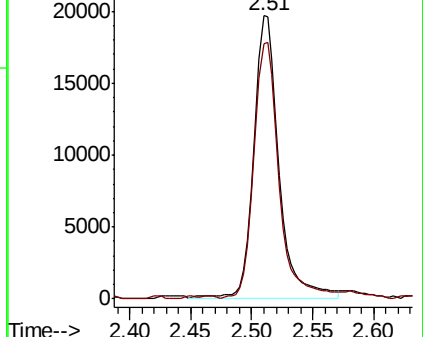
94 100

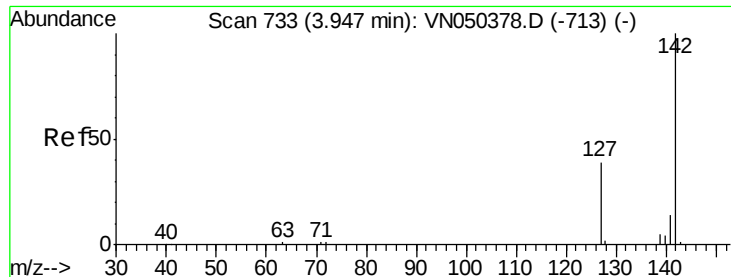
96 89.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

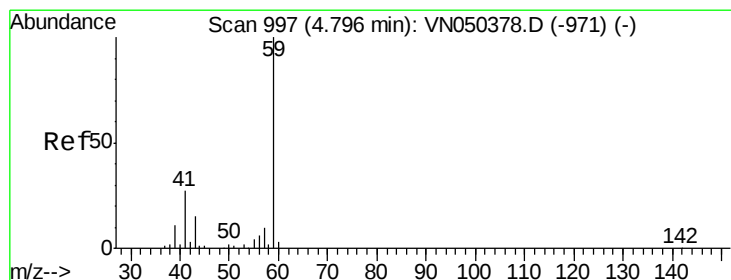
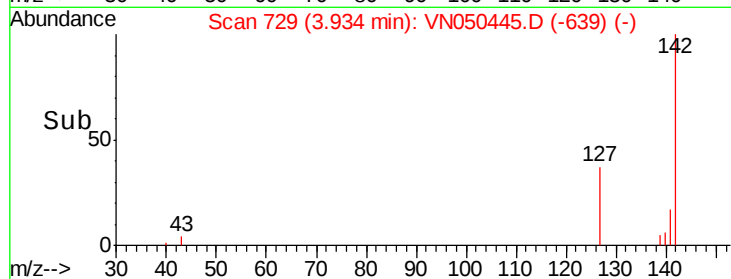
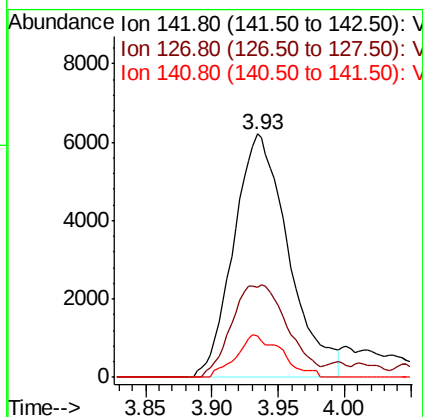
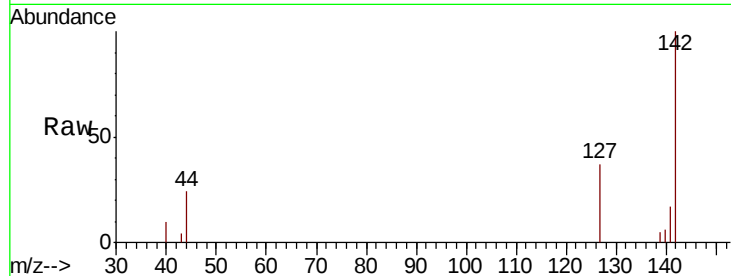




#10
Methvl Iodide
Concen: 4.36 ug/l
RT: 3.93 min Scan# 729
Delta R.T. -0.01 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

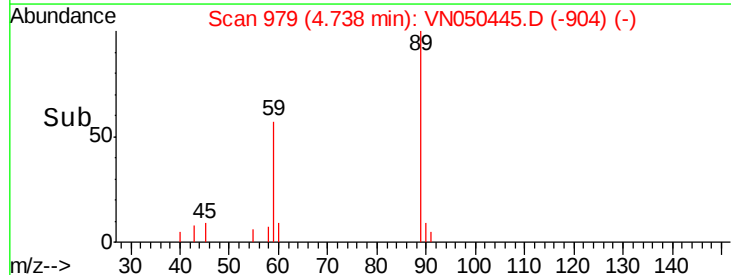
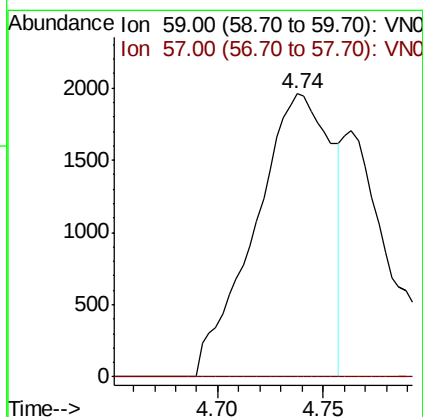
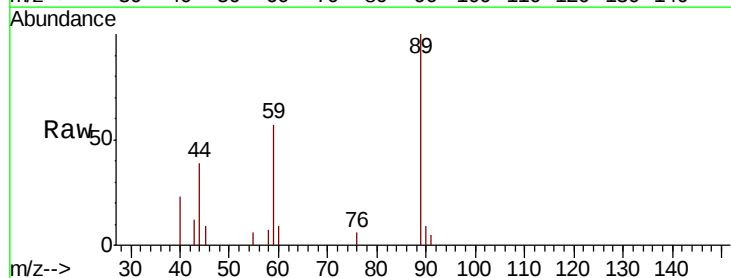
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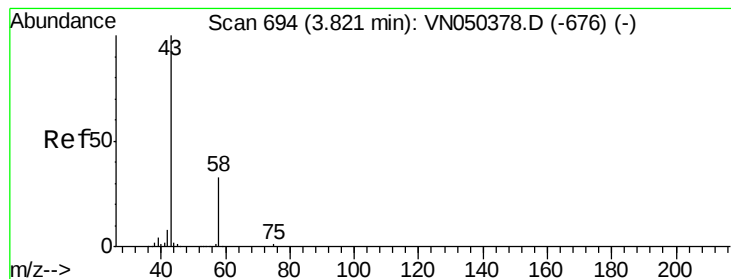
Tot Ion:142 Resp: 17834
Ion Ratio Lower Upper
142 100
127 38.9 33.4 50.2
141 14.5 11.6 17.4



#11
Tert butyl alcohol
Concen: 5.72 ug/l
RT: 4.74 min Scan# 979
Delta R.T. -0.06 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

Tgt Ion: 59 Resp: 4974
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 2.35 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

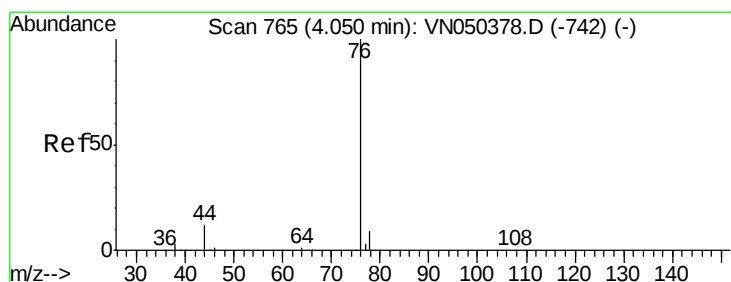
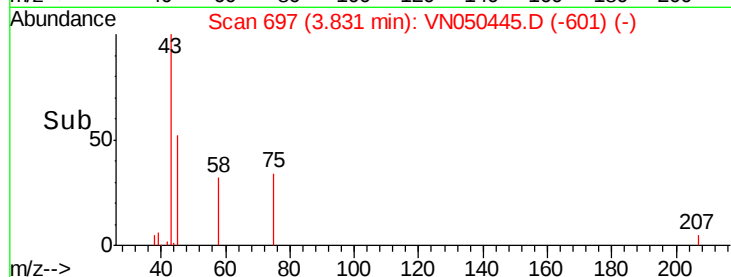
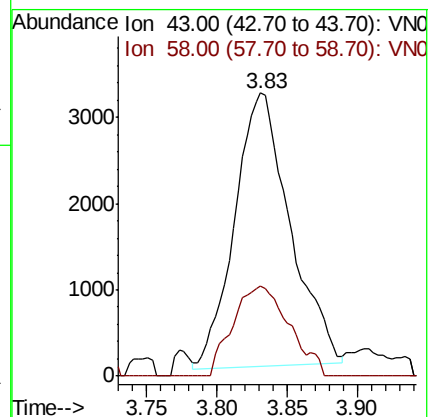
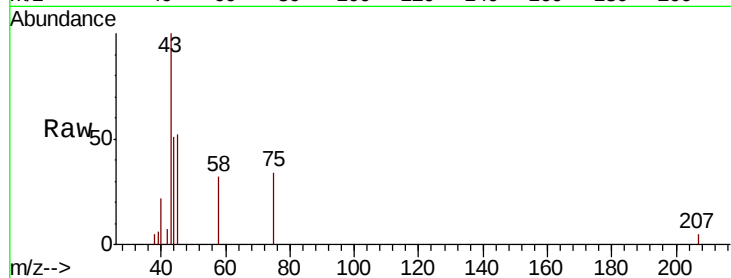
EP1-NW-IMPACTED-0818

Tot Ion: 43 Resp: 8742

Ion Ratio Lower Upper

43 100

58 33.4 25.8 38.8



#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 4.03 min Scan# 759

Delta R.T. -0.02 min

Lab File: VN050445.D

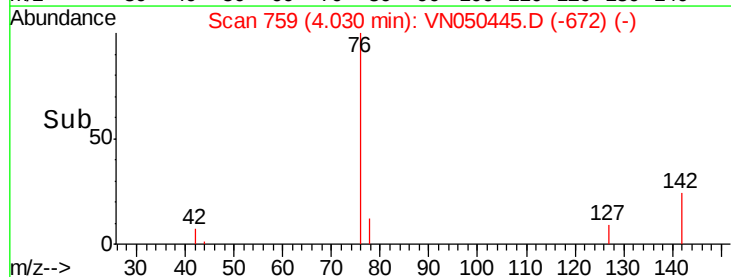
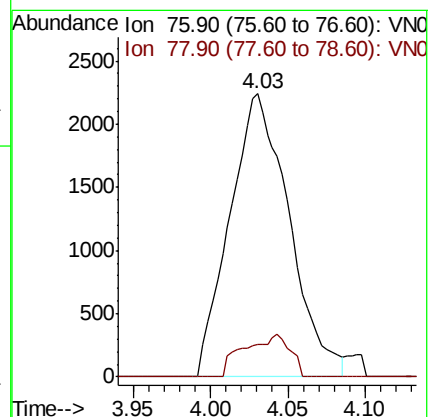
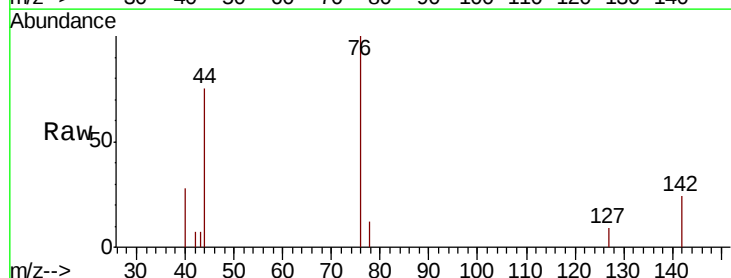
Acq: 7 Aug 2018 20:48

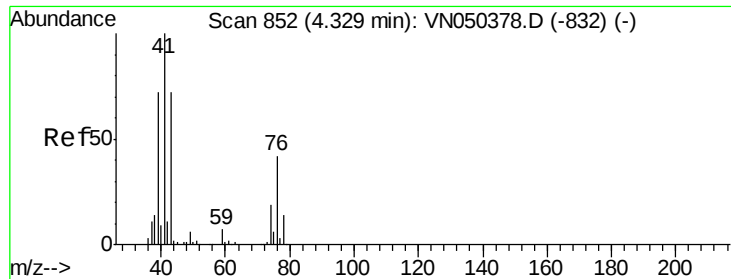
Tgt Ion: 76 Resp: 5970

Ion Ratio Lower Upper

76 100

78 11.5 7.3 10.9#

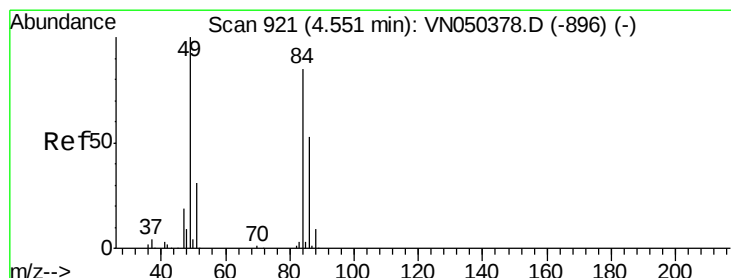
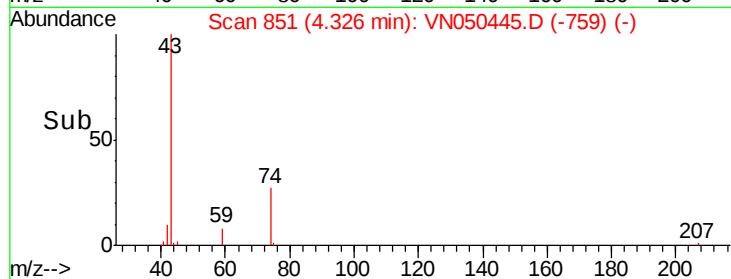
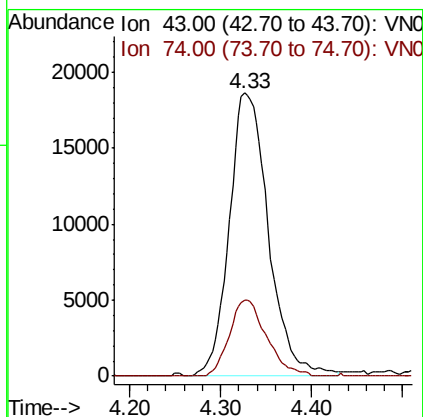
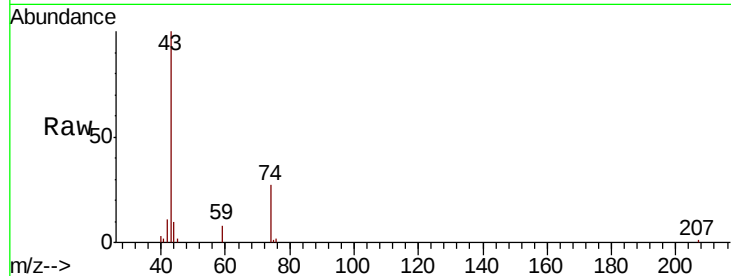




#18
Methvl Acetate
Concen: 6.50 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

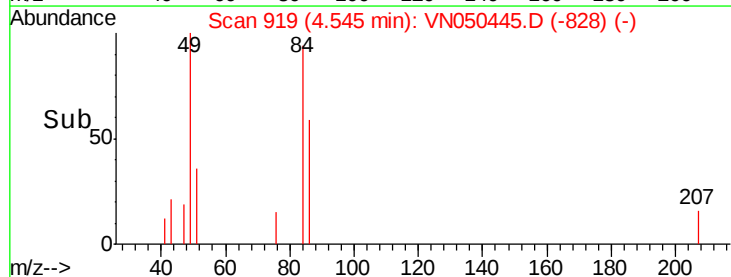
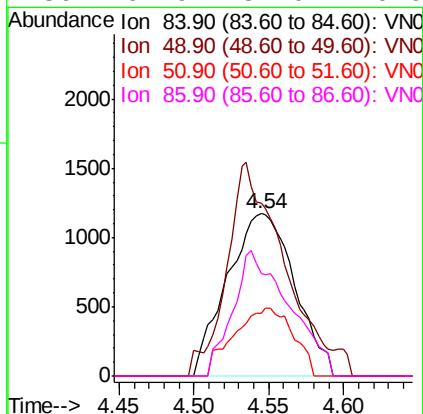
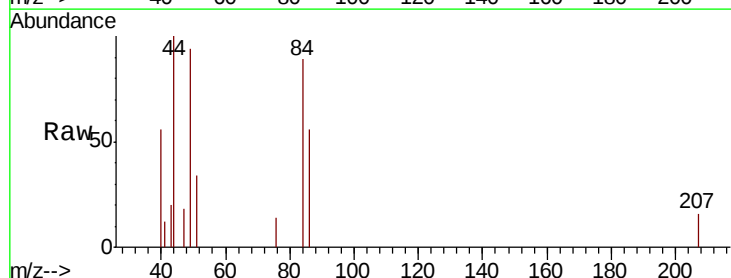
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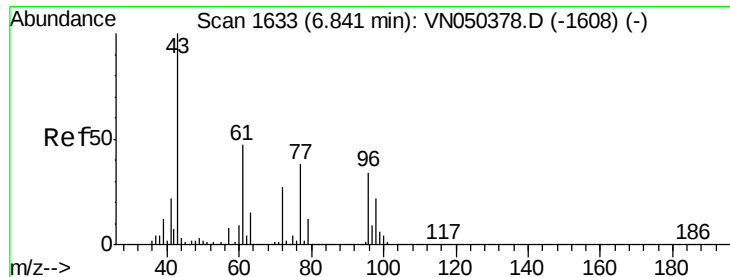
Tot Ion: 43 Resp: 55899
Ion Ratio Lower Upper
43 100
74 25.4 19.2 28.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

Tgt Ion: 84 Resp: 3672
Ion Ratio Lower Upper
84 100
49 106.1 94.8 142.2
51 38.7 28.3 42.5
86 62.9 51.0 76.6

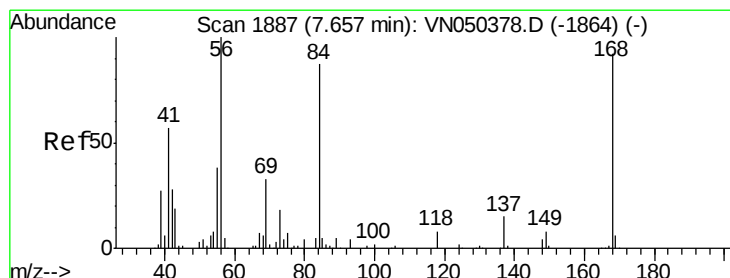
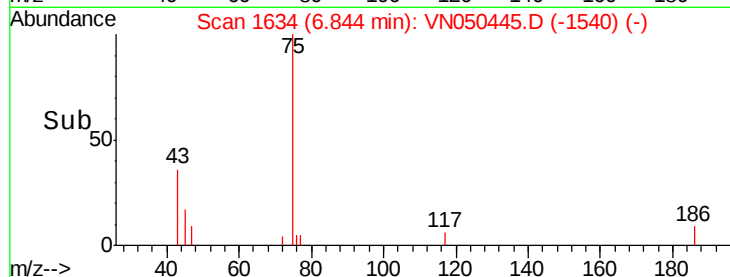
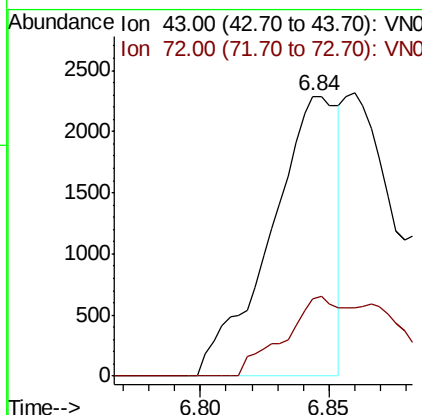
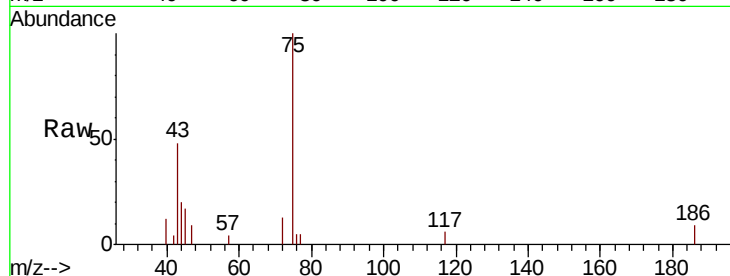




#25
2-Butanone
Concen: 0.77 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

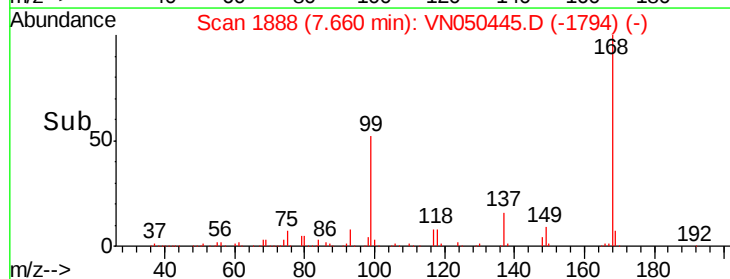
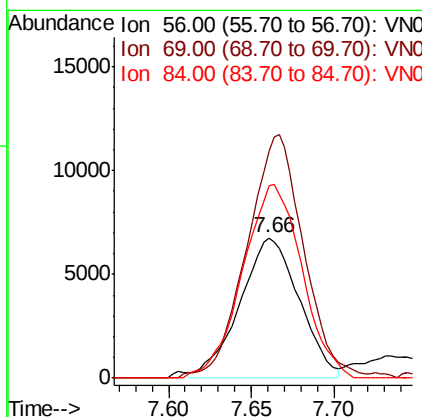
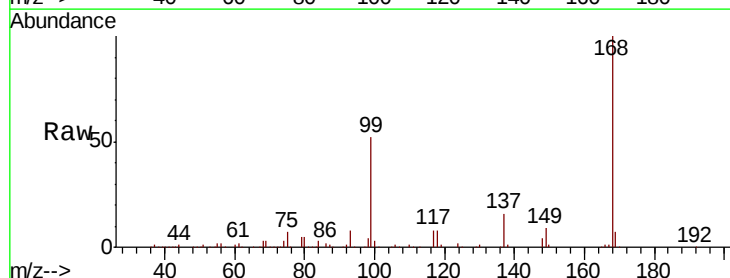
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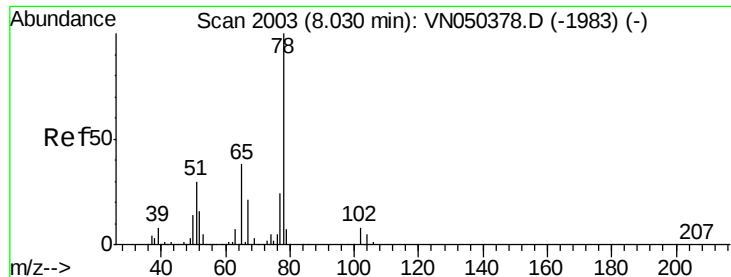
Tot Ion: 43 Resp: 4129
Ion Ratio Lower Upper
43 100
72 27.5 21.5 32.3



#31
Cyclohexane
Concen: 0.47 ug/l
RT: 7.66 min Scan# 1888
Delta R.T. 0.00 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

Tgt Ion: 56 Resp: 16892
Ion Ratio Lower Upper
56 100
69 163.9 26.2 39.4#
84 139.3 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 45.28 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

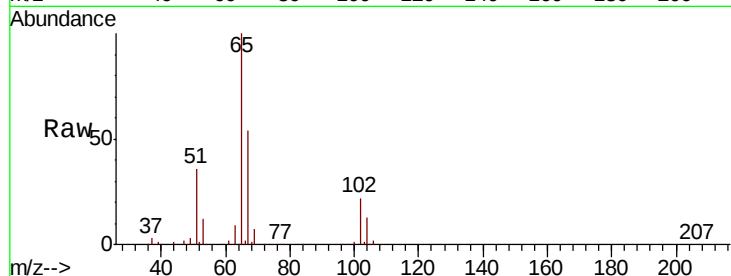
EP1-NW-IMPACTED-0818

Tot Ion: 65 Resp: 489958

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050378.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050378.D (-1983) (-)

8.03

200000

150000

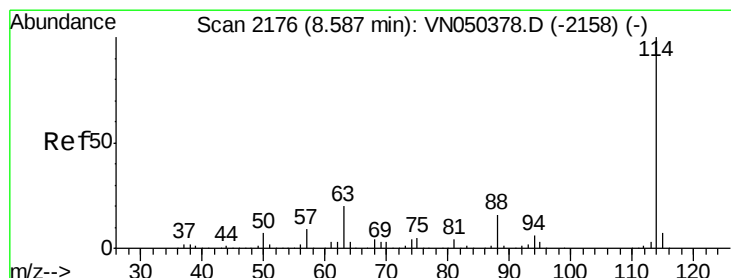
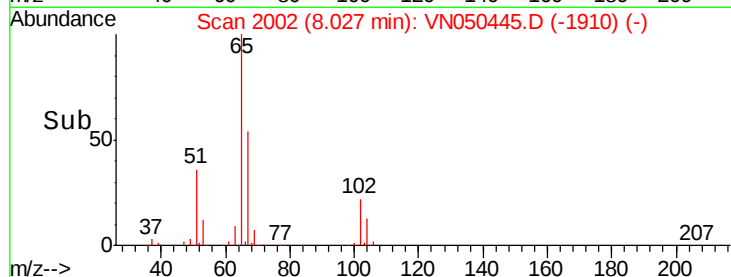
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

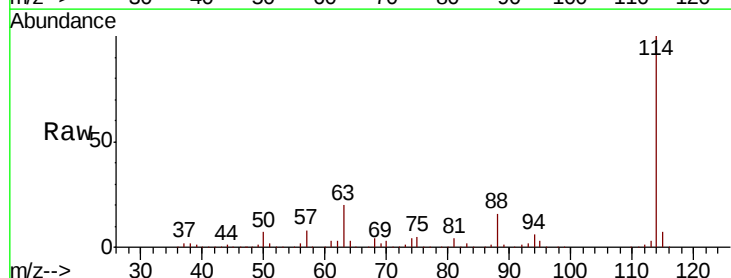
Tgt Ion: 114 Resp: 1211395

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050378.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050378.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050378.D (-2158) (-)

8.59

800000

600000

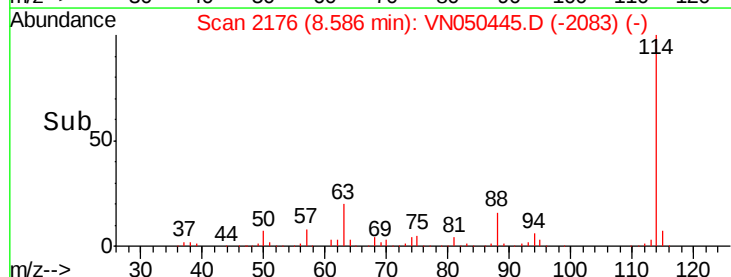
400000

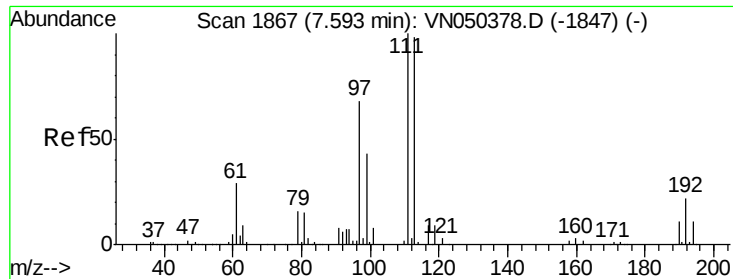
200000

0

8.50 8.60 8.70

Time-->

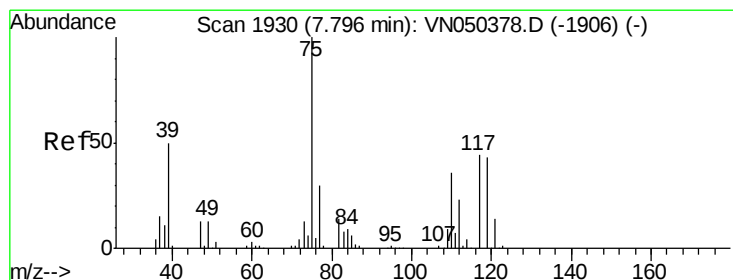
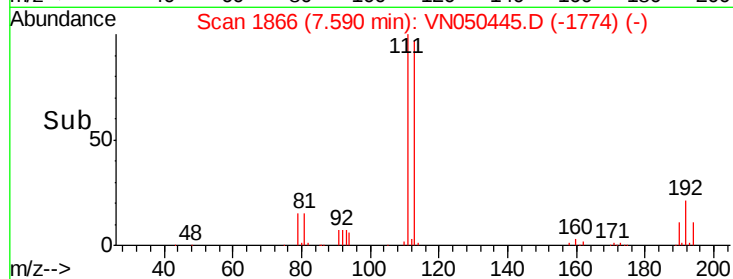
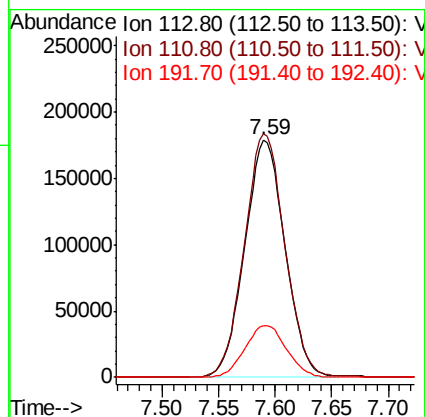
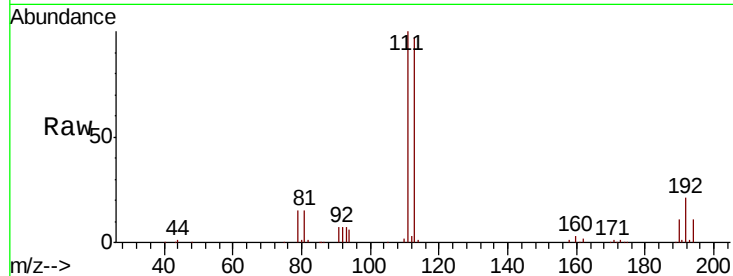




#35
 Dibromofluoromethane
 Concen: 45.71 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050445.D
 Acq: 7 Aug 2018 20:48

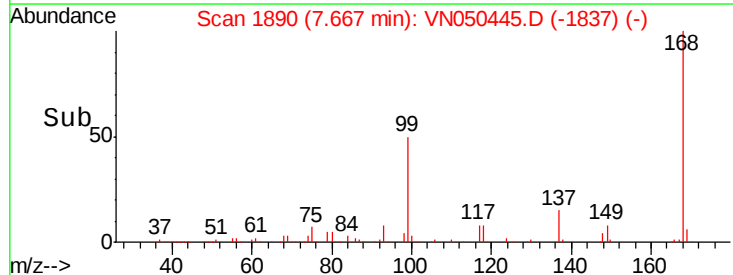
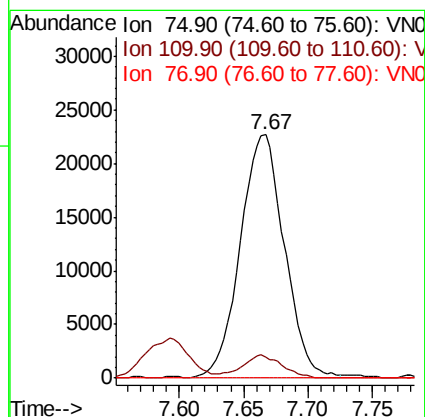
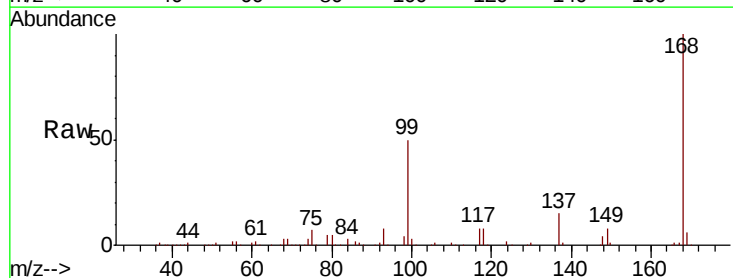
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-NW-IMPACTED-0818

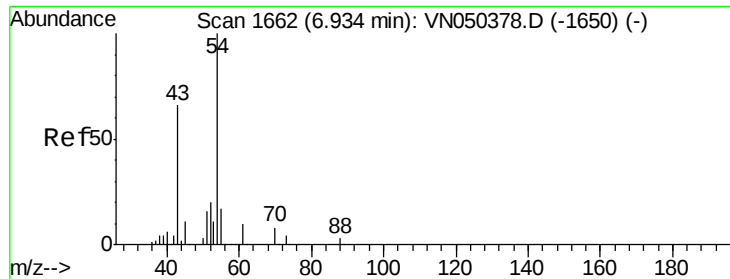
Tot Ion:113 Resp: 444283
 Ion Ratio Lower Upper
 113 100
 111 103.4 80.7 121.1
 192 22.4 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 4.06 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050445.D
 Acq: 7 Aug 2018 20:48

Tgt Ion: 75 Resp: 54064
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.2#
 77 0.0 25.3 37.9#

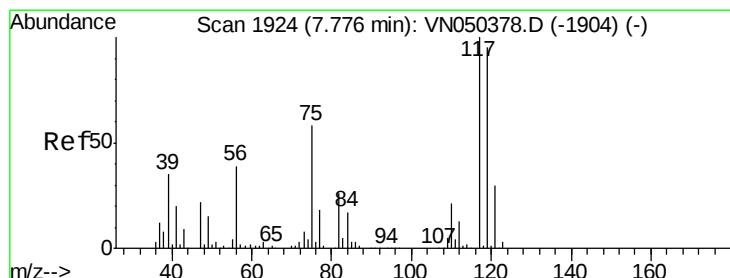
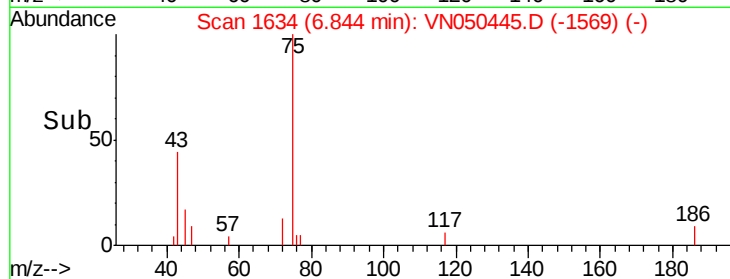
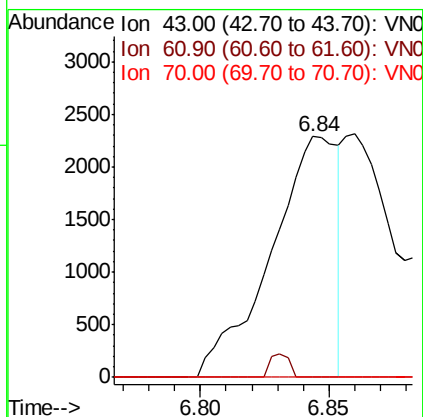
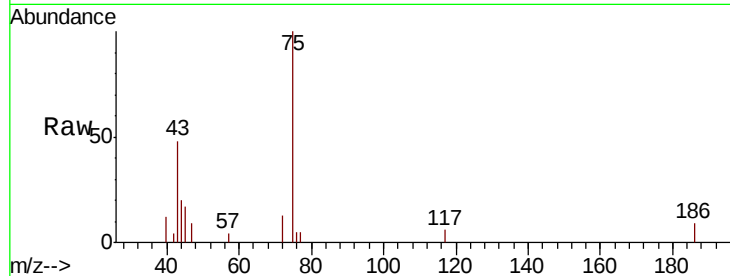




#37
Ethyl Acetate
Concen: 0.43 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. -0.09 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

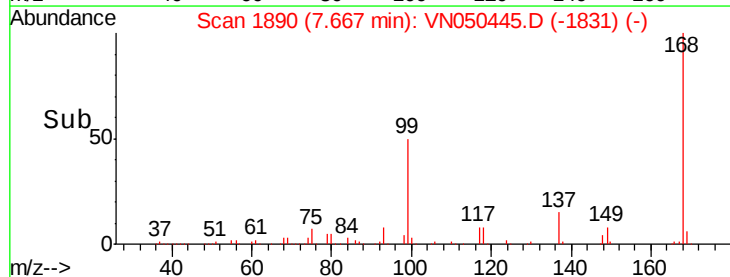
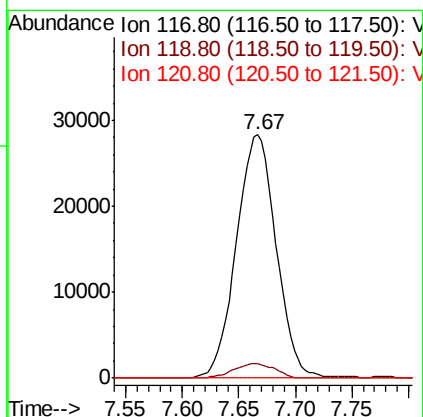
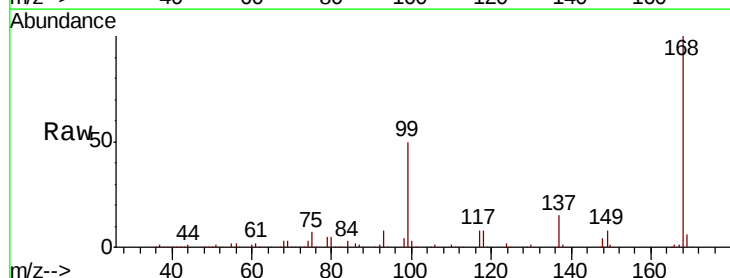
Instrument :
MSVOA_N
ClientSampleId :
EP1-NW-IMPACTED-0818

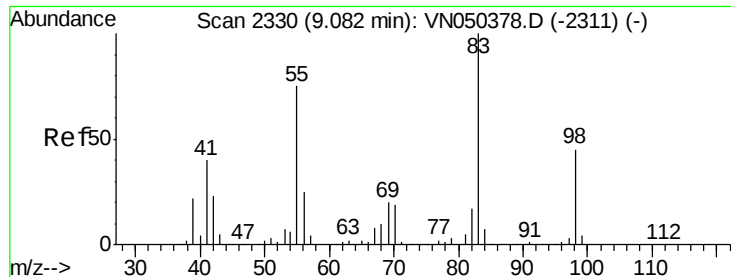
Tot Ion: 43 Resp: 4129
Ion Ratio Lower Upper
43 100
61 2.9 11.8 17.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 5.00 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

Tgt Ion: 117 Resp: 69429
Ion Ratio Lower Upper
117 100
119 6.0 77.4 116.0#
121 0.0 23.9 35.9#

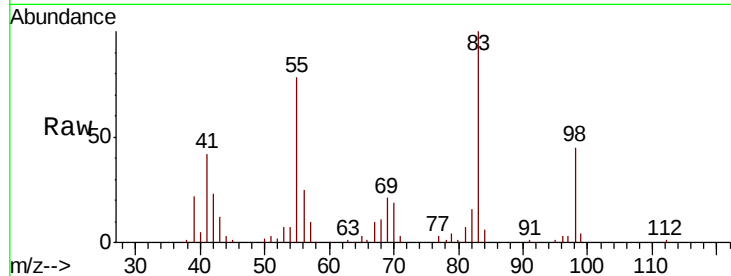




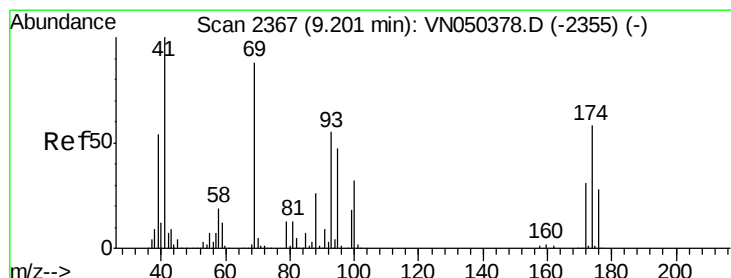
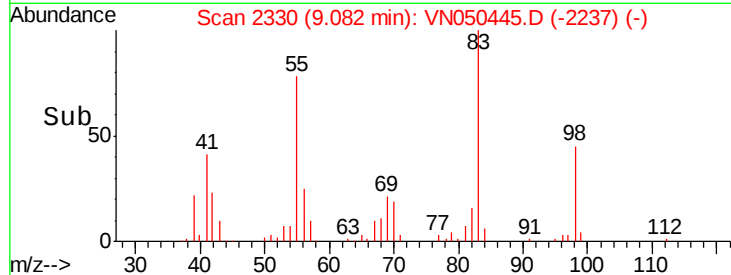
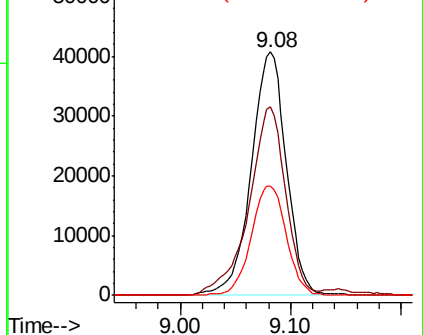
#39
Methylcyclohexane
Concen: 6.16 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

Instrument :
MSVOA_N
ClientSampleId :
EP1-NW-IMPACTED-0818

Tot Ion: 83 Resp: 89522
Ion Ratio Lower Upper
83 100
55 77.2 61.8 92.8
98 44.7 36.5 54.7

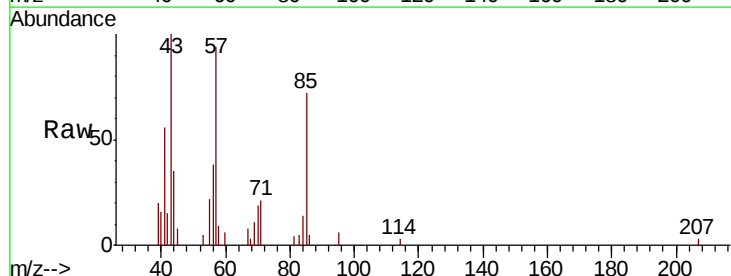


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

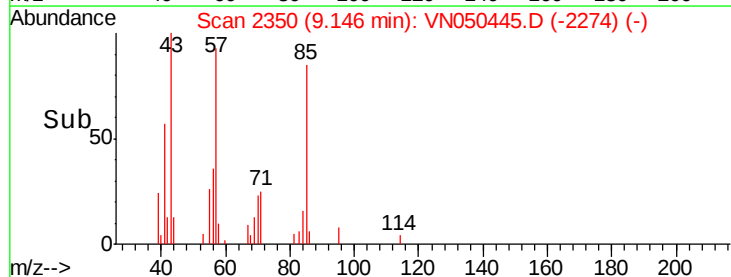
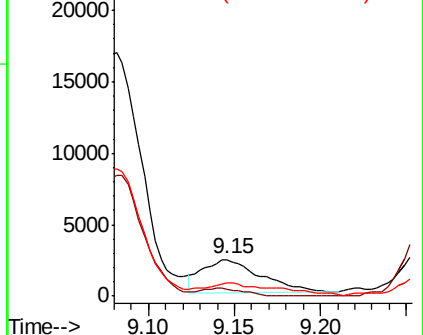


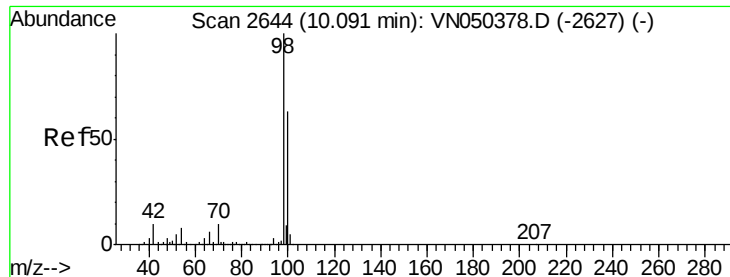
#48
Methyl methacrylate
Concen: 0.68 ug/l
RT: 9.15 min Scan# 2350
Delta R.T. -0.05 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

Tgt Ion: 41 Resp: 5662
Ion Ratio Lower Upper
41 100
69 17.3 70.6 105.8#
39 44.8 43.9 65.9



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: 47.54 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

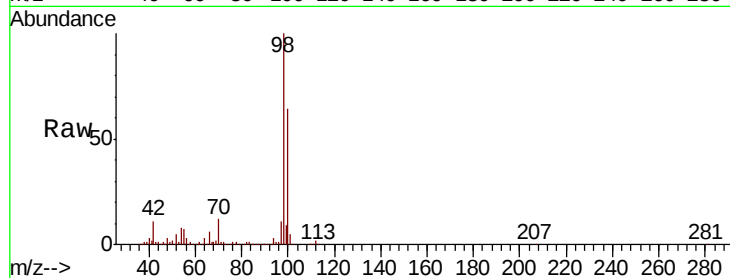
EP1-NW-IMPACTED-0818

Tot Ion: 98 Resp: 1737560

Ion Ratio Lower Upper

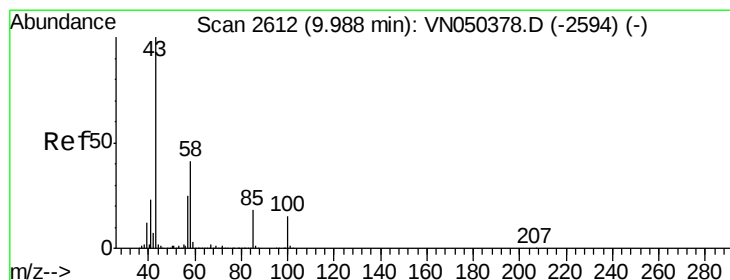
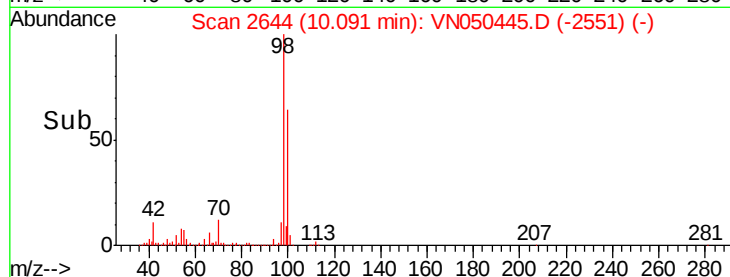
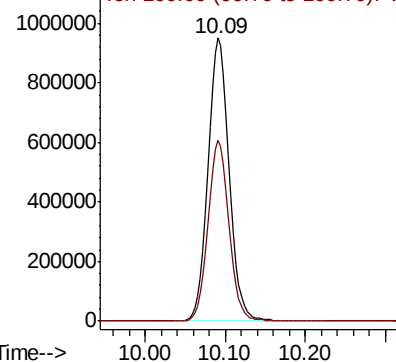
98 100

100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.77 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.10 min

Lab File: VN050445.D

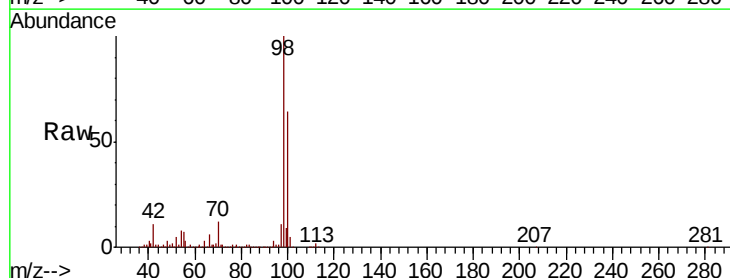
Acq: 7 Aug 2018 20:48

Tgt Ion: 43 Resp: 21079

Ion Ratio Lower Upper

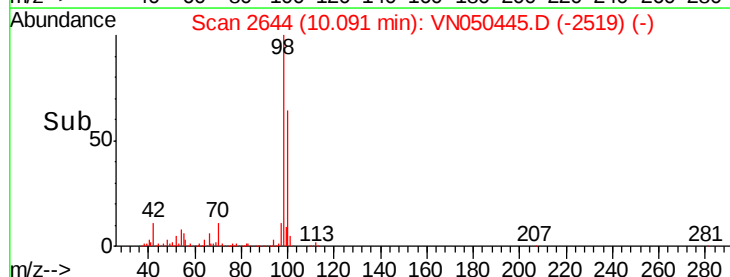
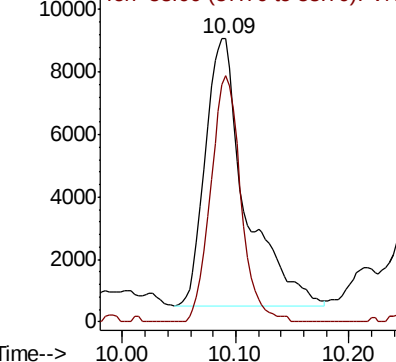
43 100

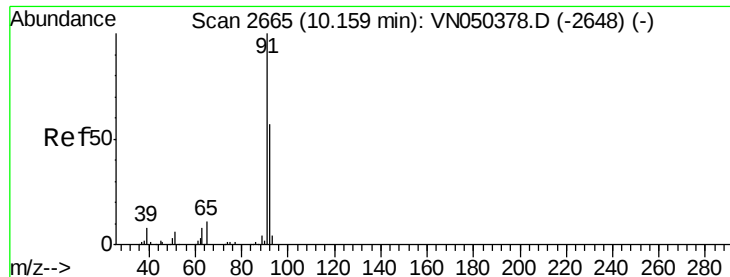
58 69.4 31.9 47.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 0.37 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

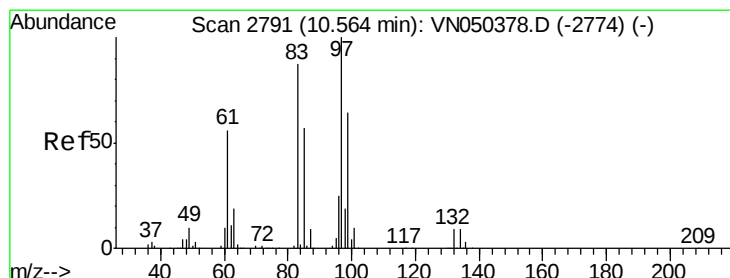
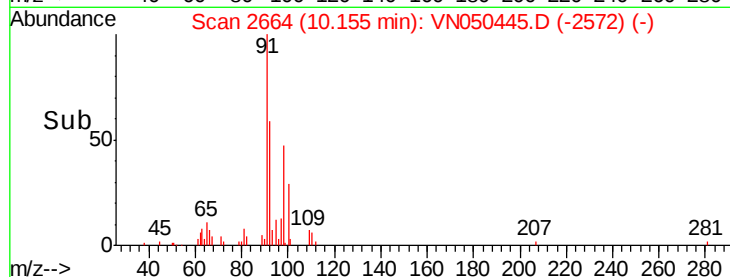
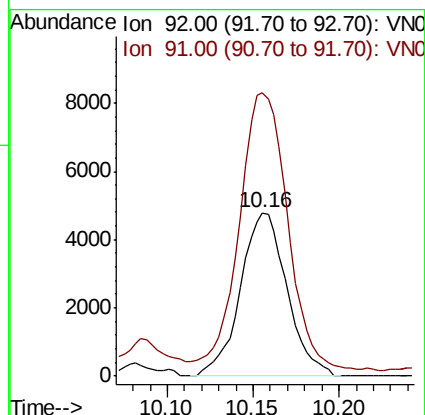
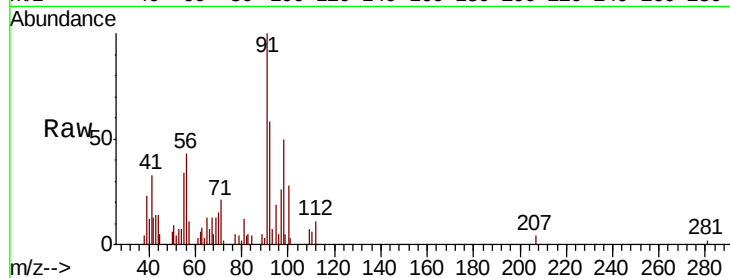
EP1-NW-IMPACTED-0818

Tot Ion: 92 Resp: 9014

Ion Ratio Lower Upper

92 100

91 183.7 140.3 210.5



#55

1,1,2-Trichloroethane

Concen: 6.65 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

Tgt Ion: 97 Resp: 63775

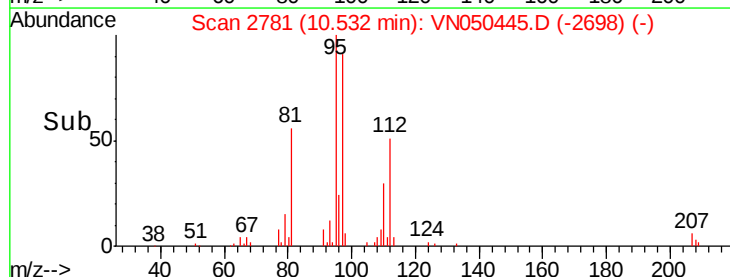
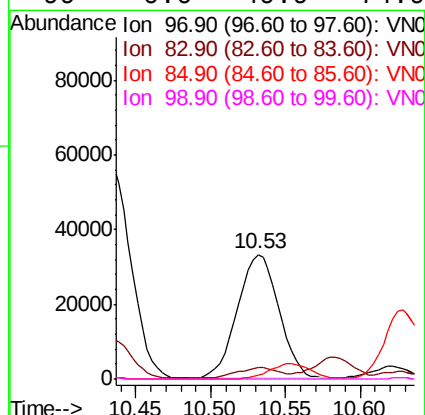
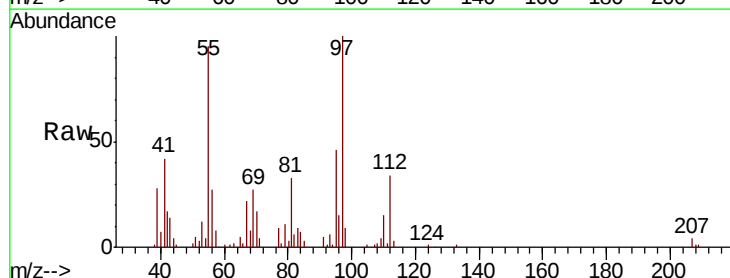
Ion Ratio Lower Upper

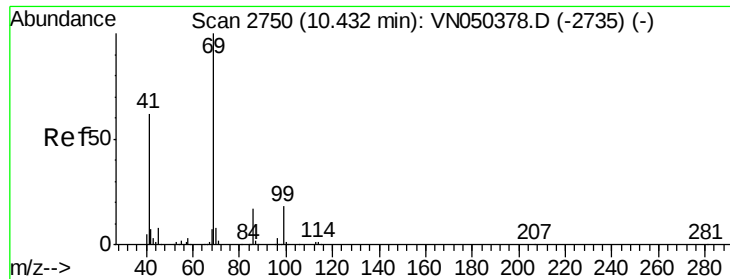
97 100

83 8.0 69.2 103.8#

85 2.8 44.0 66.0#

99 0.0 49.9 74.9#





#56

Ethyl methacrylate

Concen: 3.80 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

EP1-NW-IMPACTED-0818

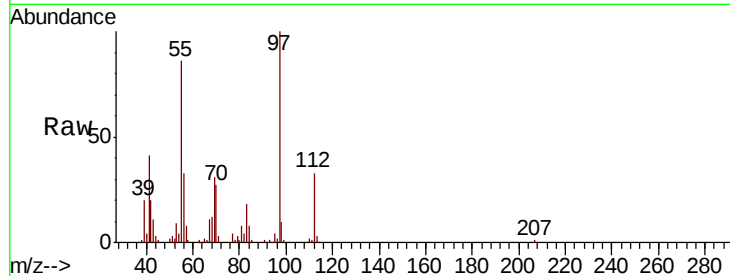
Tot Ion: 69 Resp: 29397

Ion Ratio Lower Upper

69 100

41 148.4 51.0 76.4#

39 71.9 26.6 40.0#

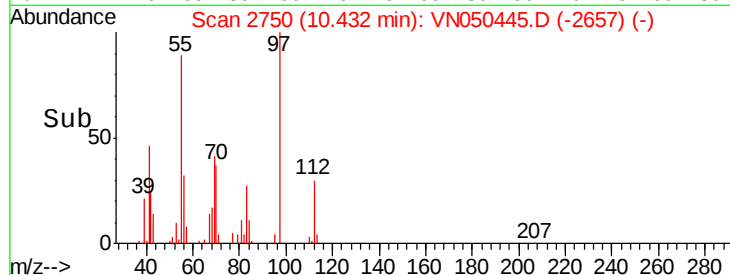


Abundance Ion 69.00 (68.70 to 69.70): VN050378.D (-2735) (-)

Ion 41.00 (40.70 to 41.70): VN050378.D (-2735) (-)

Ion 39.00 (38.70 to 39.70): VN050378.D (-2735) (-)

Time-->

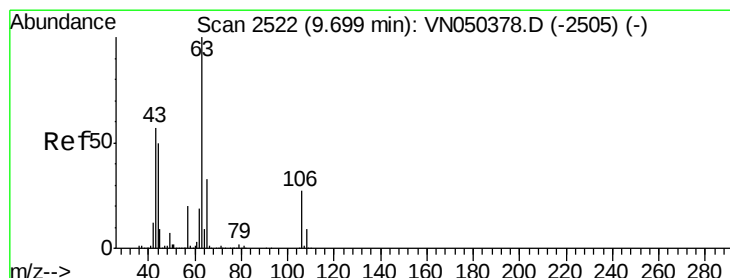


Abundance Ion 69.00 (68.70 to 69.70): VN050445.D (-2657) (-)

Ion 41.00 (40.70 to 41.70): VN050445.D (-2657) (-)

Ion 39.00 (38.70 to 39.70): VN050445.D (-2657) (-)

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 7.40 ug/l

RT: 9.75 min Scan# 2538

Delta R.T. 0.05 min

Lab File: VN050445.D

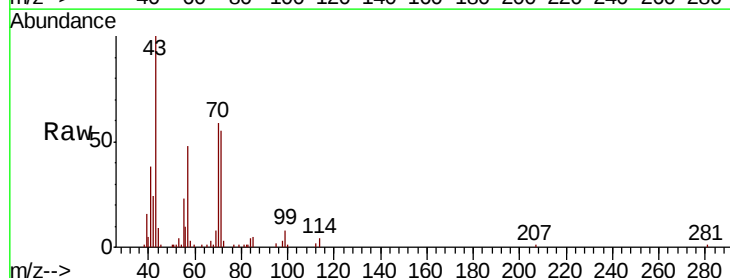
Acq: 7 Aug 2018 20:48

Tgt Ion: 63 Resp: 30

Ion Ratio Lower Upper

63 100

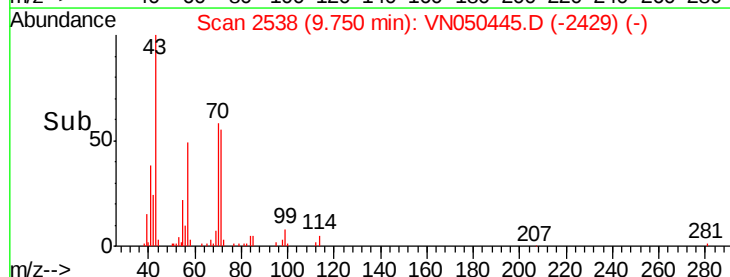
106 0.0 21.7 32.5#



Abundance Ion 62.90 (62.60 to 63.60): VN050378.D (-2505) (-)

Ion 105.90 (105.60 to 106.60): VN050378.D (-2505) (-)

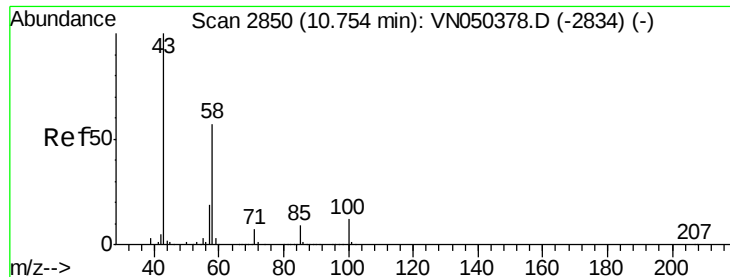
Time-->



Abundance Ion 62.90 (62.60 to 63.60): VN050445.D (-2429) (-)

Ion 105.90 (105.60 to 106.60): VN050445.D (-2429) (-)

Time-->



#59

2-Hexanone

Concen: 15.94 ug/l

RT: 10.72 min Scan# 2839

Delta R.T. -0.04 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

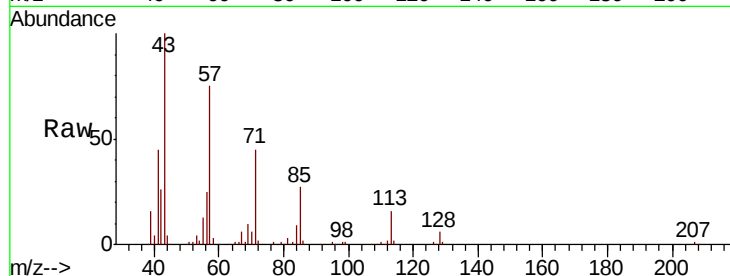
EP1-NW-IMPACTED-0818

Tot Ion: 43 Resp: 132584

Ion Ratio Lower Upper

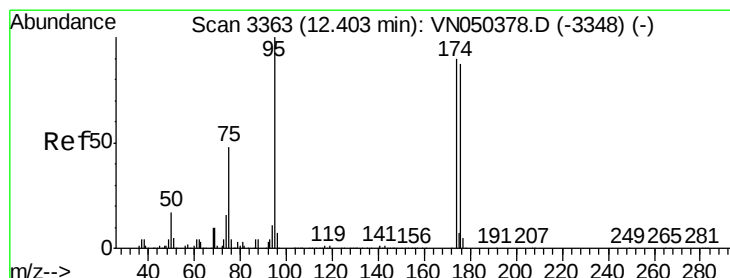
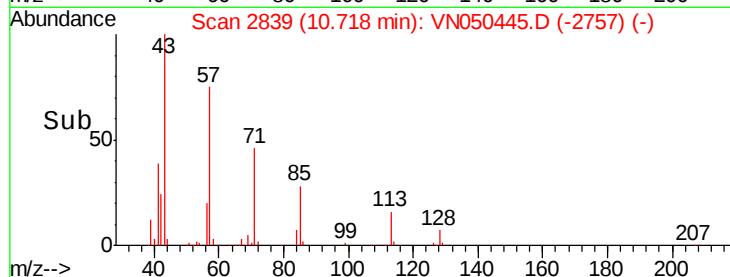
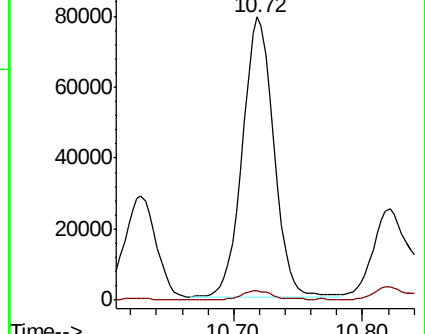
43 100

58 3.3 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 46.66 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

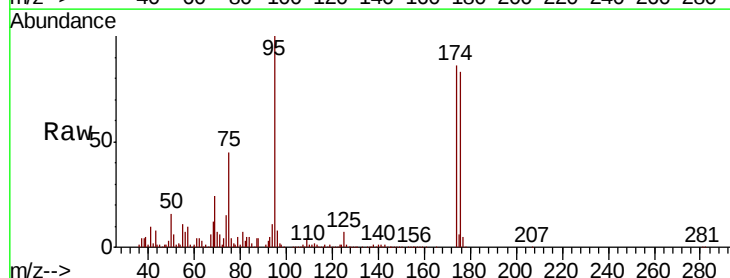
Tgt Ion: 95 Resp: 581175

Ion Ratio Lower Upper

95 100

174 86.5 0.0 178.2

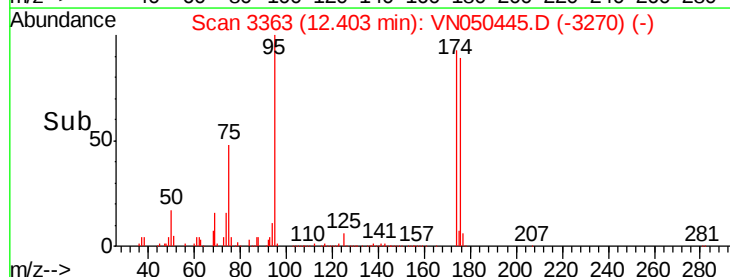
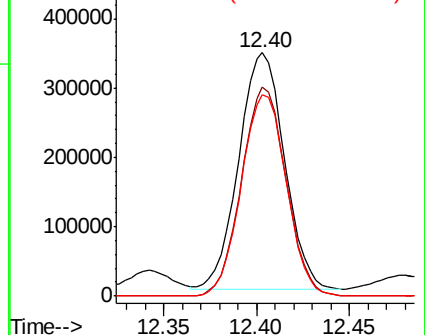
176 84.3 0.0 173.4

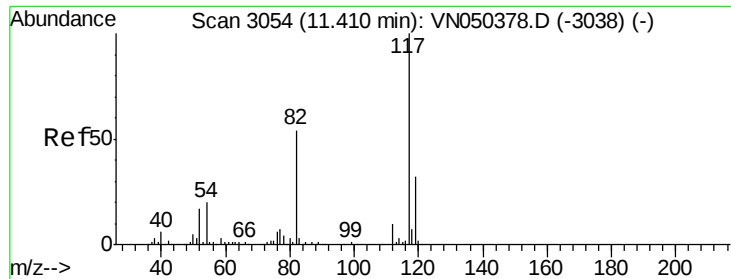


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

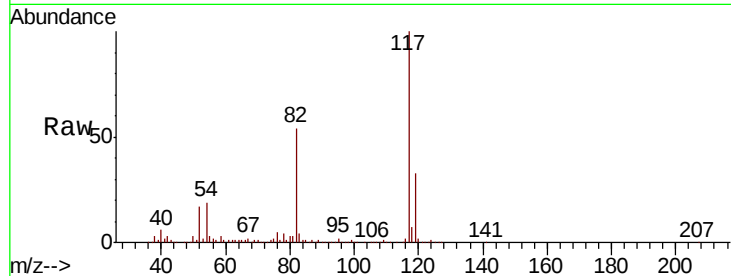




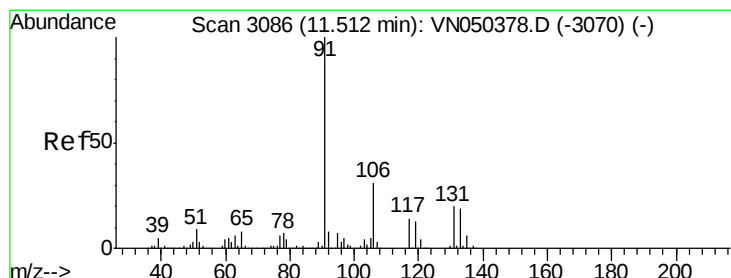
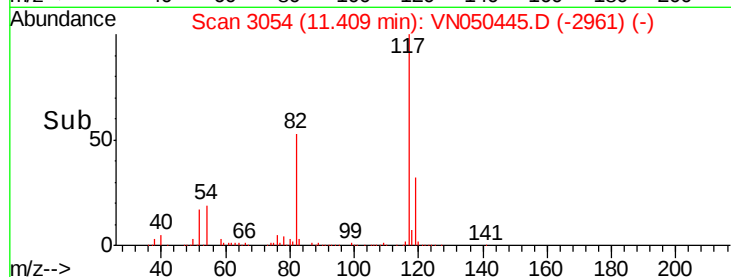
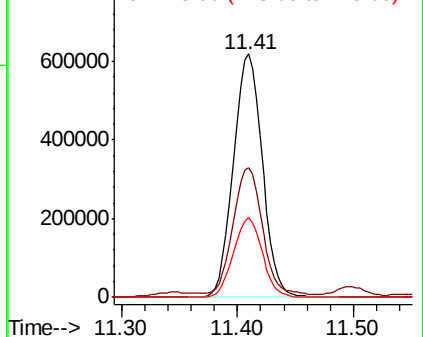
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

Instrument :
MSVOA_N
ClientSampleId :
EP1-NW-IMPACTED-0818

Tot Ion:117 Resp: 1066320
Ion Ratio Lower Upper
117 100
82 51.8 43.7 65.5
119 32.5 26.1 39.1

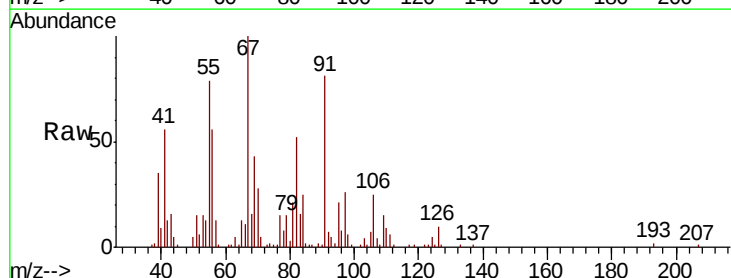


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

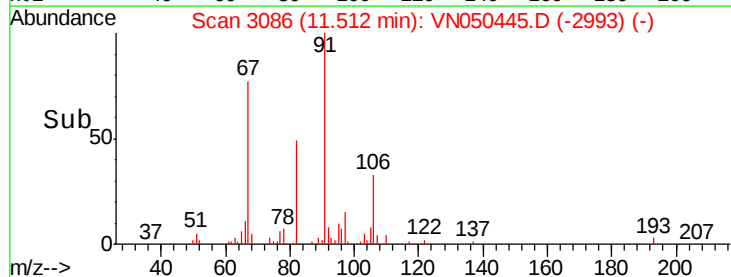
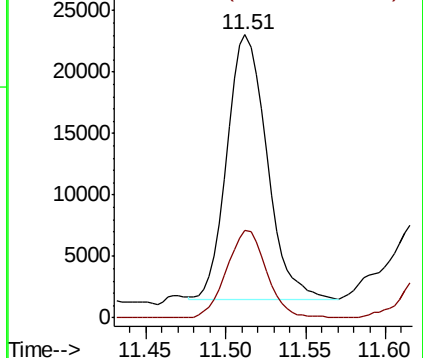


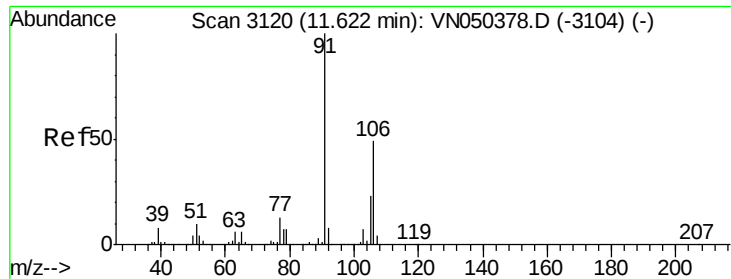
#67
Ethyl Benzene
Concen: 0.85 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

Tgt Ion: 91 Resp: 36536
Ion Ratio Lower Upper
91 100
106 33.2 25.0 37.4



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

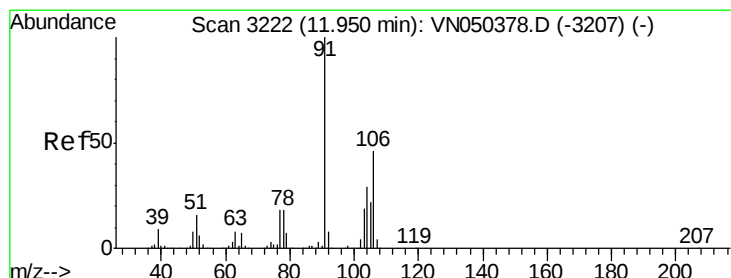
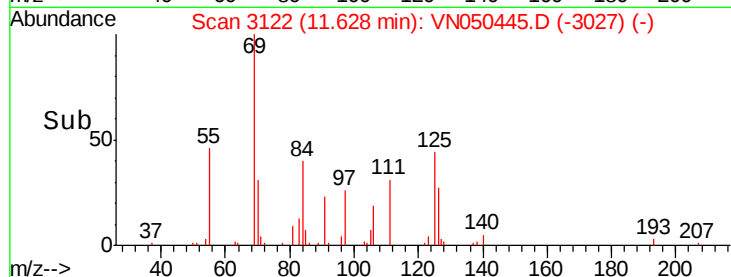
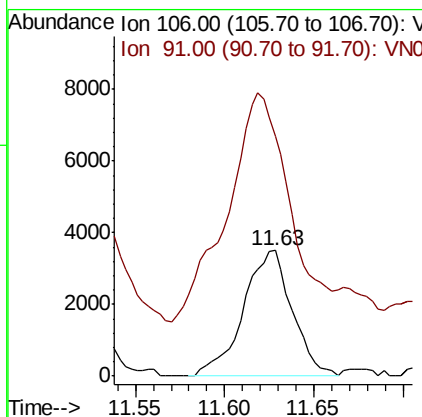
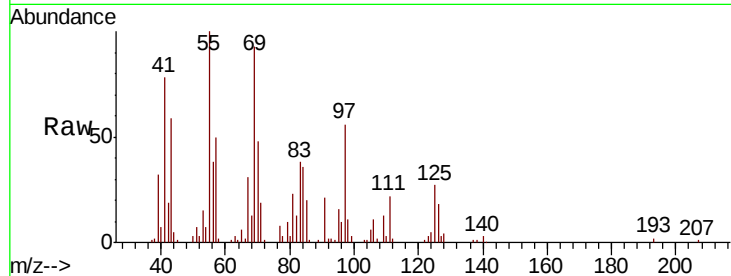




#68
m/p-Xylenes
Concen: 0.41 ug/l
RT: 11.63 min Scan# 3122
Delta R.T. 0.01 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

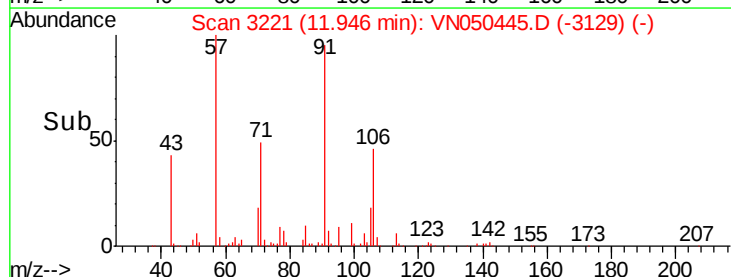
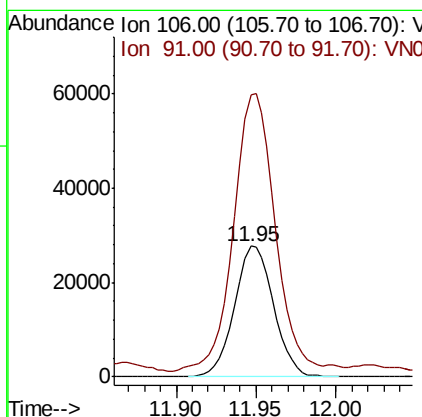
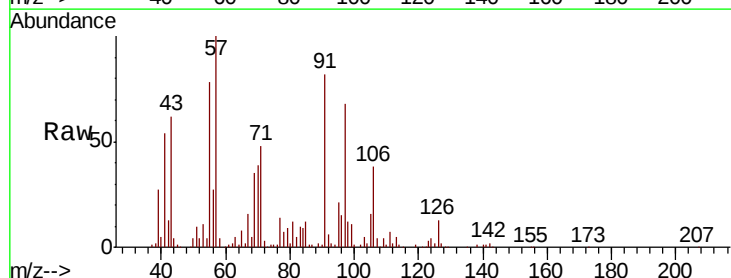
Instrument :
MSVOA_N
ClientSampleId :
EP1-NW-IMPACTED-0818

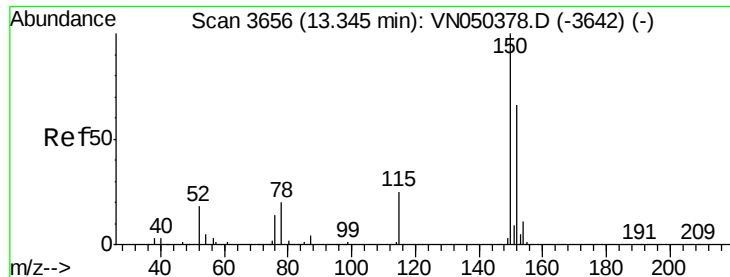
Tot Ion:106 Resp: 6717
Ion Ratio Lower Upper
106 100
91 229.0 162.2 243.2



#69
o-Xylene
Concen: 2.90 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

Tgt Ion:106 Resp: 45950
Ion Ratio Lower Upper
106 100
91 226.7 107.7 323.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

EP1-NW-IMPACTED-0818

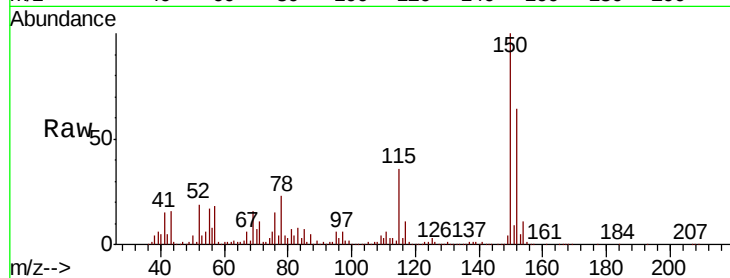
Tot Ion:152 Resp: 543030

Ion Ratio Lower Upper

152 100

115 60.3 27.8 83.3

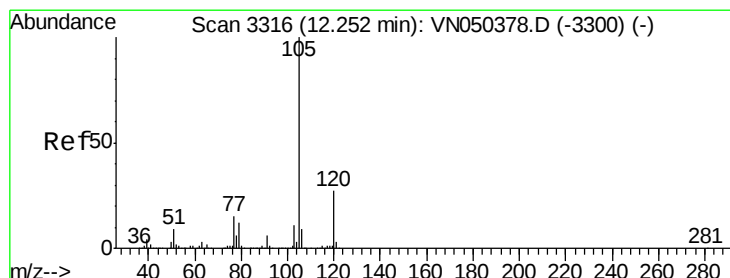
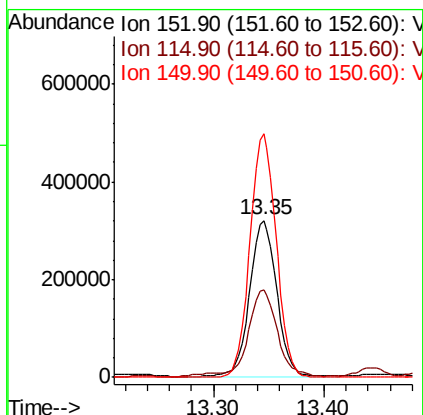
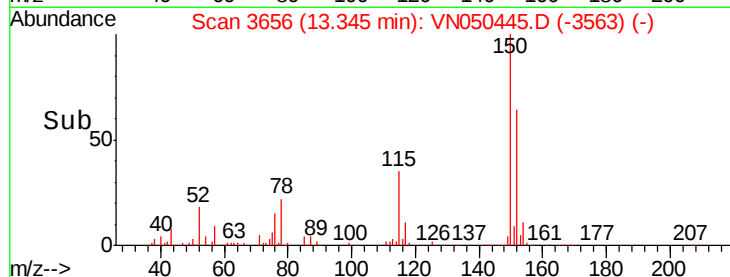
150 150.2 0.0 348.6



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: 10.21 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050445.D

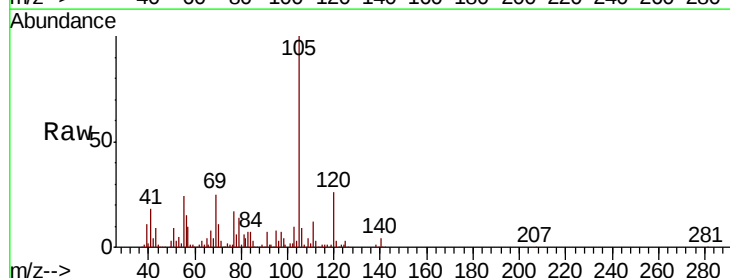
Acq: 7 Aug 2018 20:48

Tgt Ion:105 Resp: 416354

Ion Ratio Lower Upper

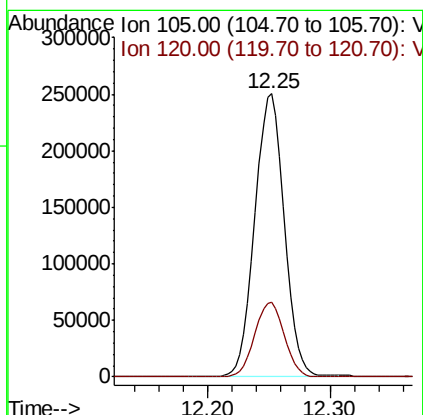
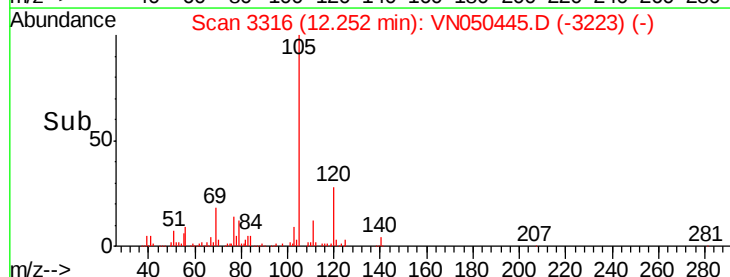
105 100

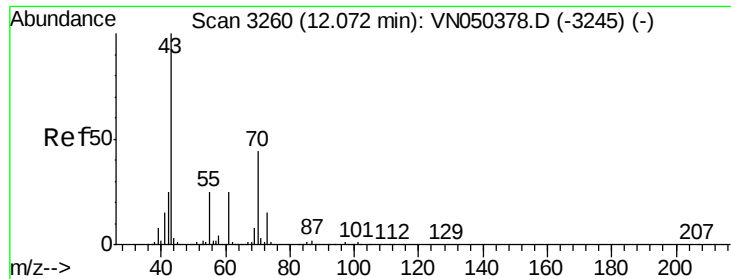
120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 22.32 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. -0.03 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

EP1-NW-IMPACTED-0818

Tot Ion: 43 Resp: 294876

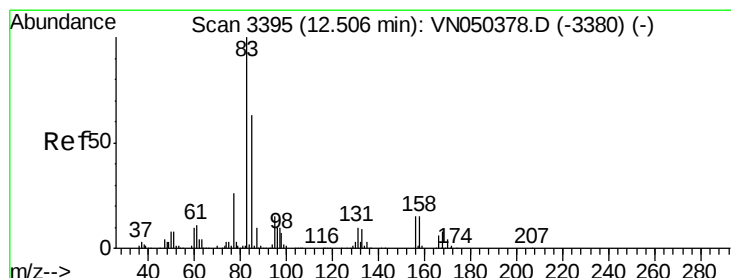
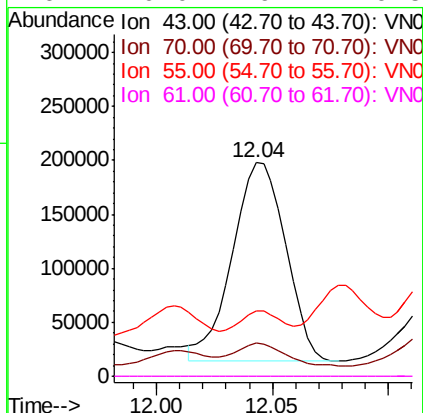
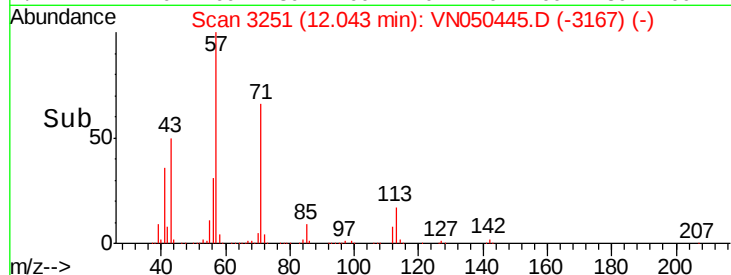
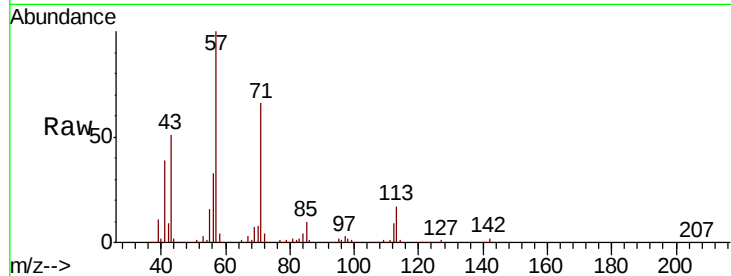
Ion Ratio Lower Upper

43 100

70 10.1 34.4 51.6#

55 6.4 20.8 31.2#

61 0.0 19.7 29.5#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.84 ug/l

RT: 12.45 min Scan# 3379

Delta R.T. -0.05 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

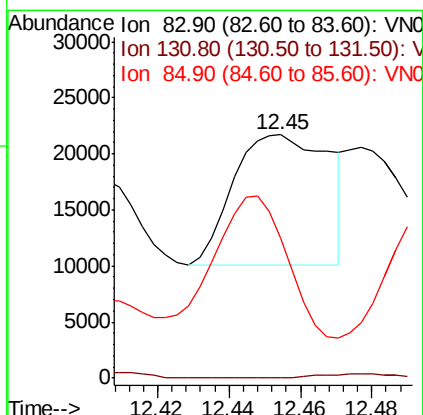
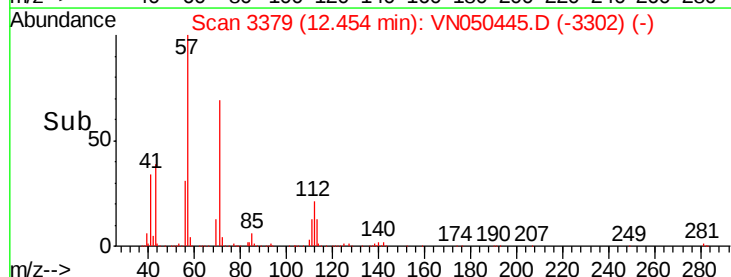
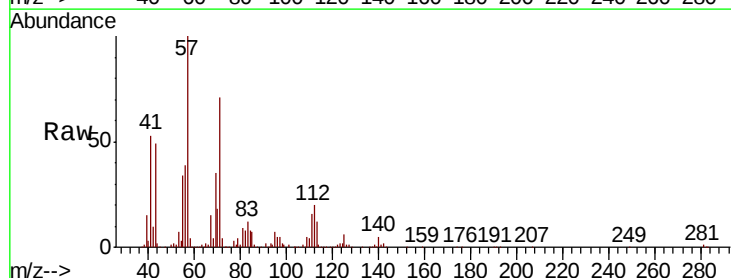
Tgt Ion: 83 Resp: 21640

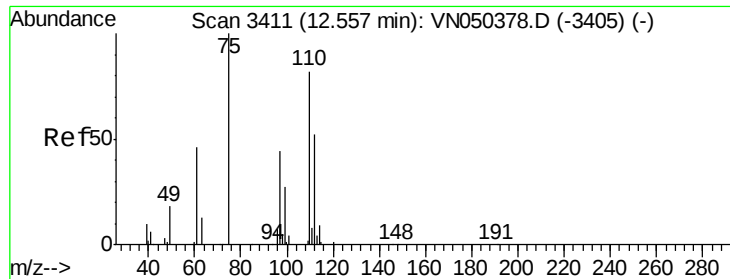
Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 81.8 32.3 96.8

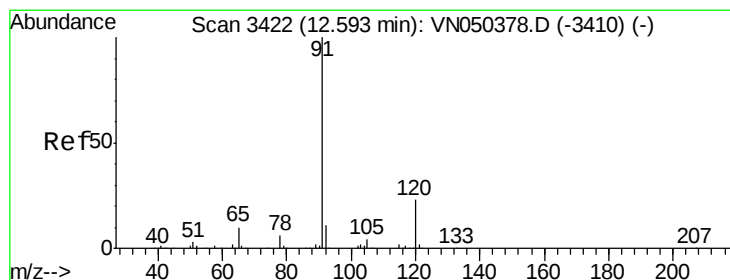
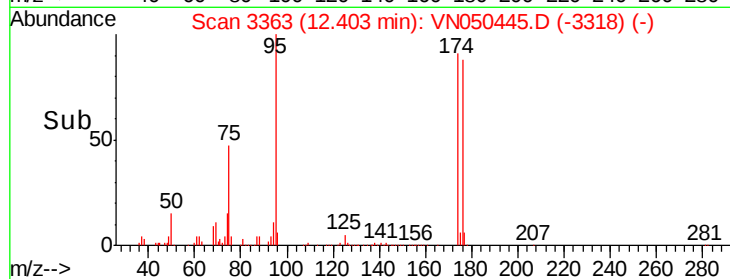
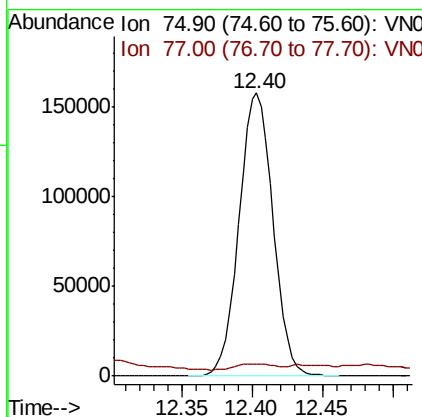
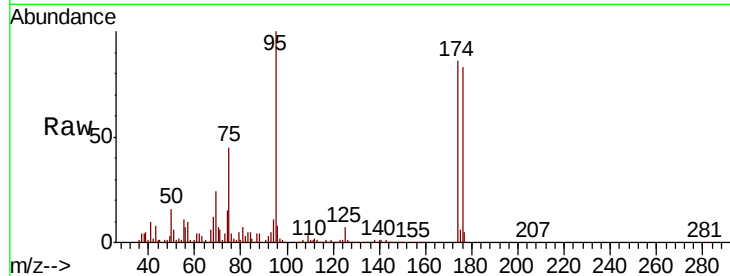




#76
 1,2,3-Trichloropropane
 Concen: 27.07 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN050445.D
 Acq: 7 Aug 2018 20:48

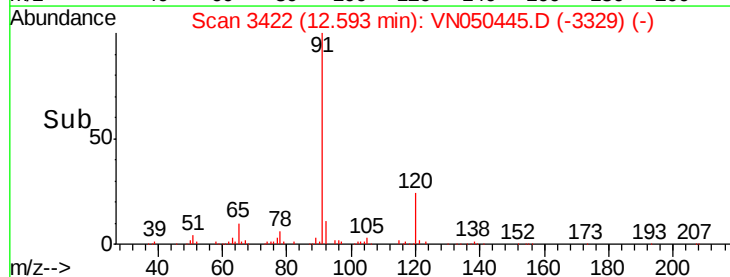
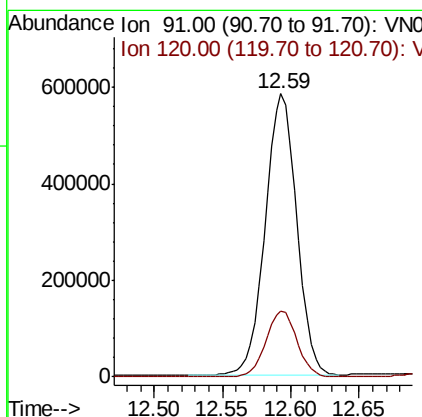
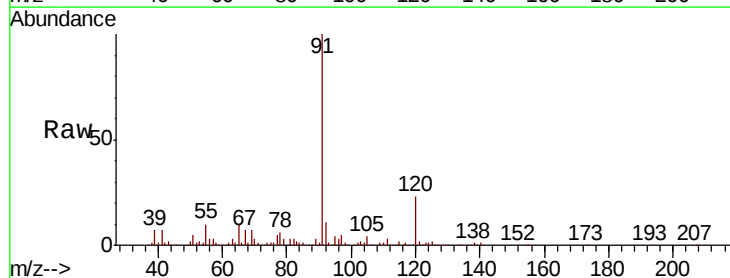
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-NW-IMPACTED-0818

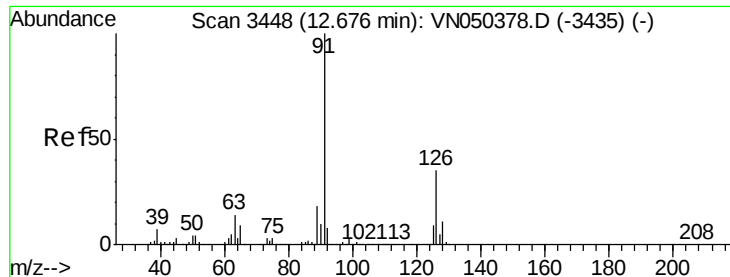
Tot Ion: 75 Resp: 266084
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#78
 n-propylbenzene
 Concen: 20.29 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN050445.D
 Acq: 7 Aug 2018 20:48

Tgt Ion: 91 Resp: 936284
 Ion Ratio Lower Upper
 91 100
 120 22.9 11.6 34.7





#79

2-Chlorotoluene

Concen: 32.86 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

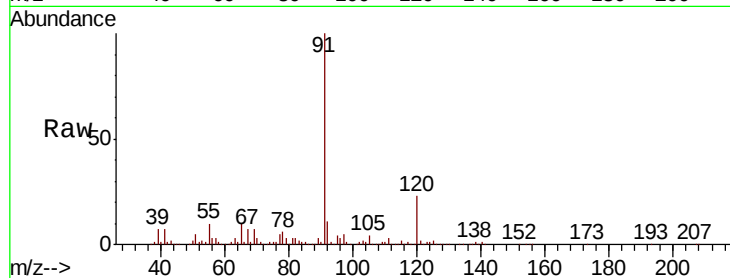
EP1-NW-IMPACTED-0818

Tot Ion: 91 Resp: 936284

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050378.D (-3435) (-)

12.59

600000

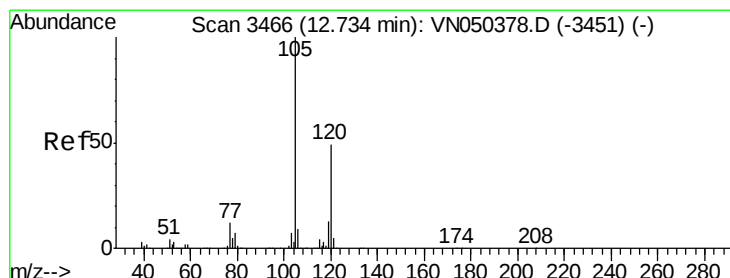
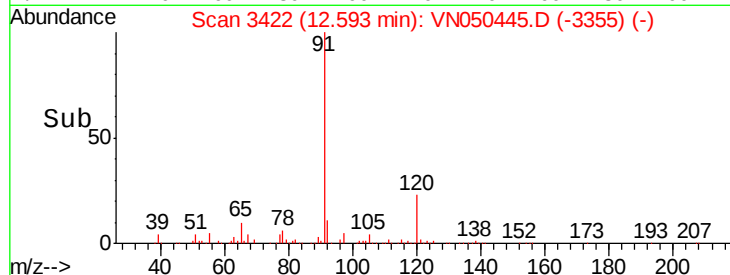
400000

200000

0

12.50 12.55 12.60 12.65

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.12 ug/l

RT: 12.69 min Scan# 3452

Delta R.T. -0.05 min

Lab File: VN050445.D

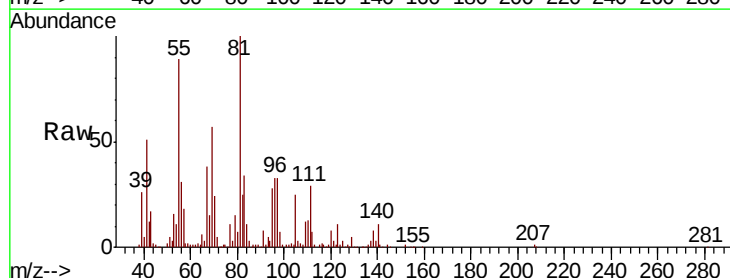
Acq: 7 Aug 2018 20:48

Tgt Ion:105 Resp: 36946

Ion Ratio Lower Upper

105 100

120 31.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN050378.D (-3451) (-)

12.69

150000

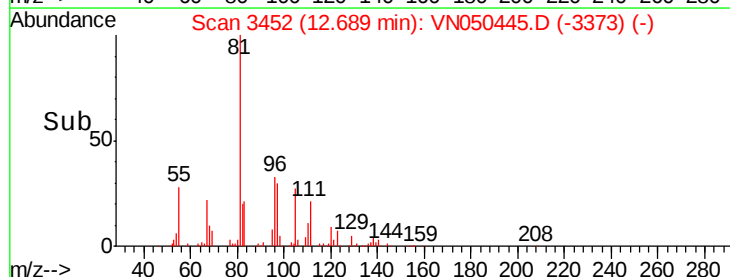
100000

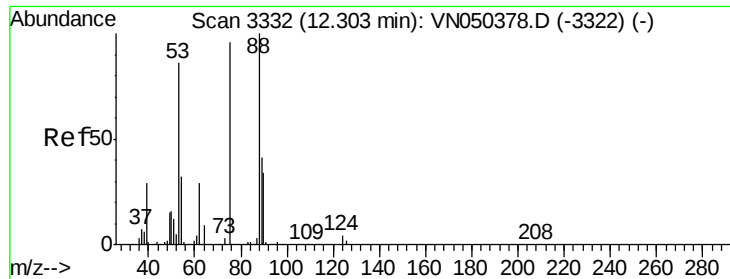
50000

0

12.60 12.65 12.70

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 95.11 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

EP1-NW-IMPACTED-0818

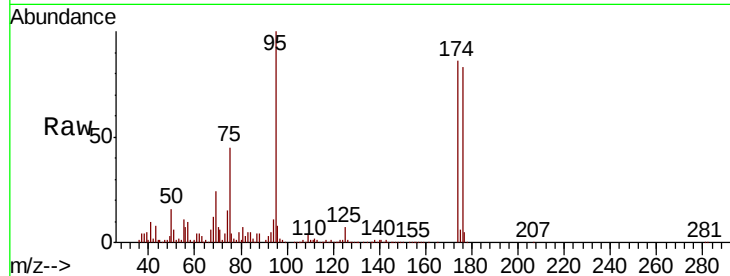
Tot Ion: 75 Resp: 266084

Ion Ratio Lower Upper

75 100

53 1.2 73.5 110.3#

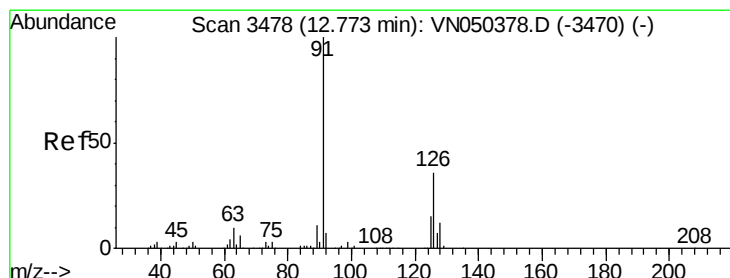
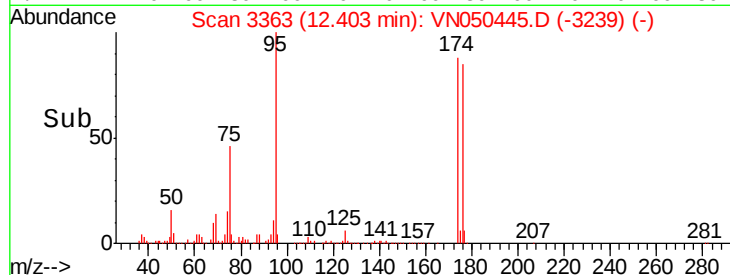
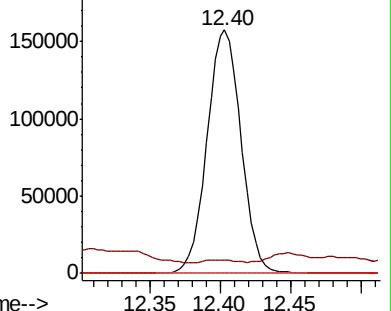
89 0.0 36.0 54.0#



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: 1.70 ug/l

RT: 12.89 min Scan# 3515

Delta R.T. 0.12 min

Lab File: VN050445.D

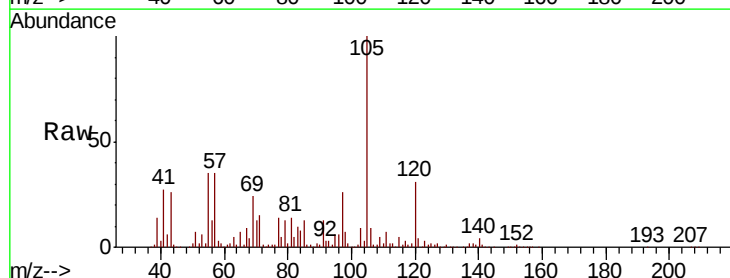
Acq: 7 Aug 2018 20:48

Tgt Ion: 91 Resp: 48257

Ion Ratio Lower Upper

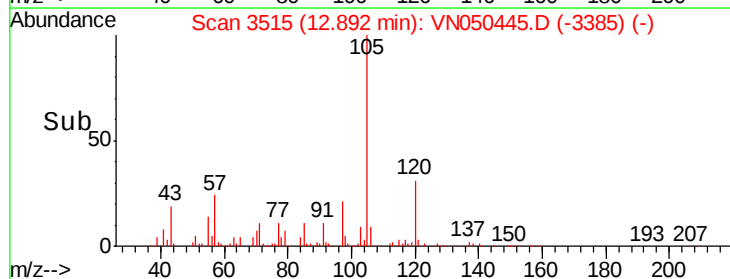
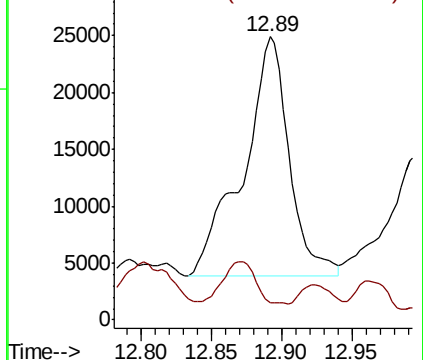
91 100

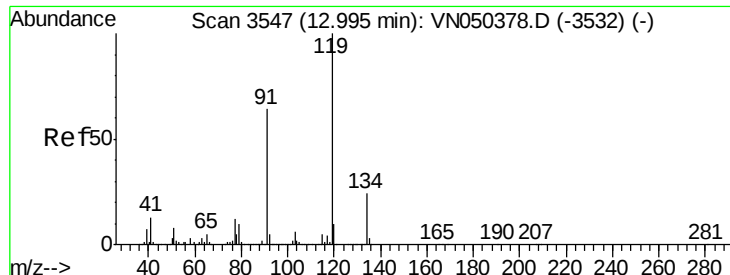
126 0.0 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

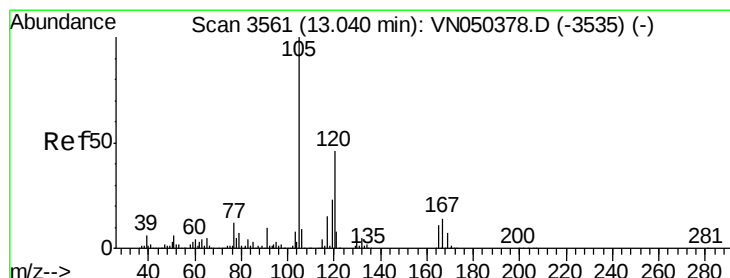
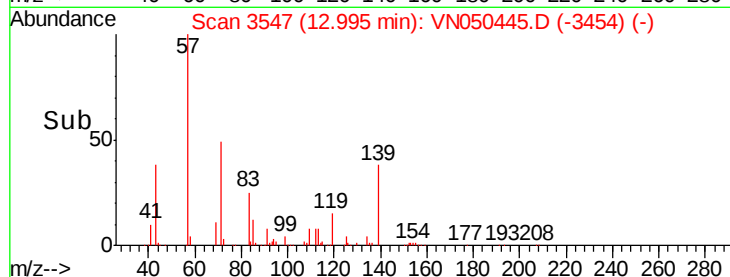
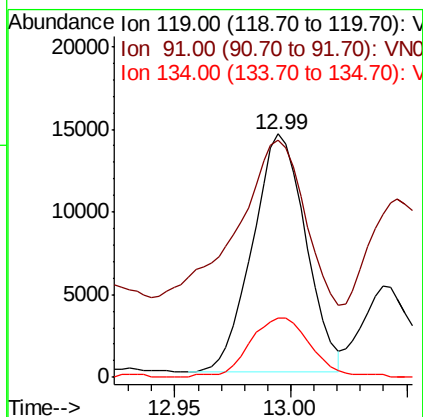
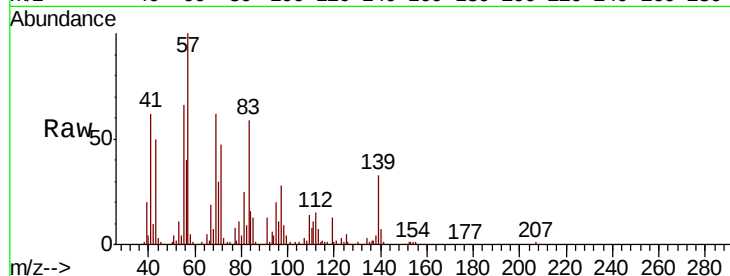




#83
 tert-Butylbenzene
 Concen: 0.80 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050445.D
 Acq: 7 Aug 2018 20:48

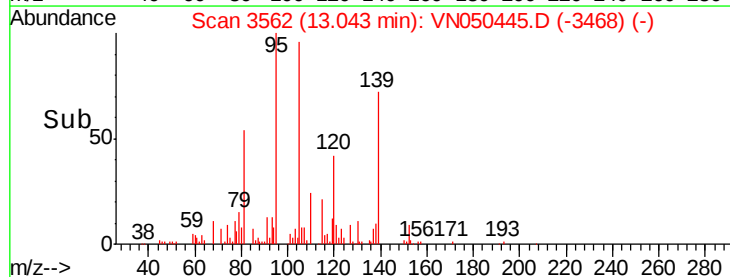
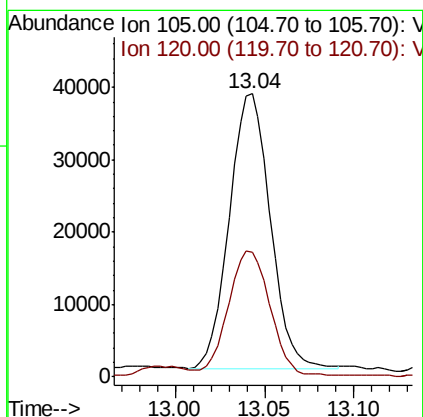
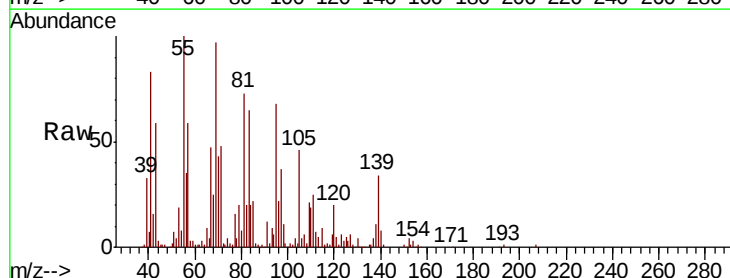
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-NW-IMPACTED-0818

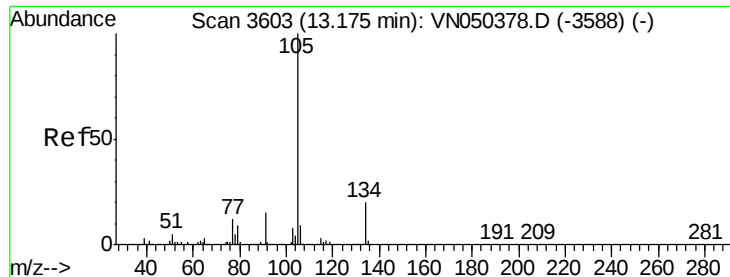
Tot Ion	Ratio	Lower	Upper
119	100		
91	87.3	32.1	96.3
134	28.8	13.2	39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 1.81 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050445.D
 Acq: 7 Aug 2018 20:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.9	68.7





#85

sec-Butylbenzene

Concen: 11.91 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

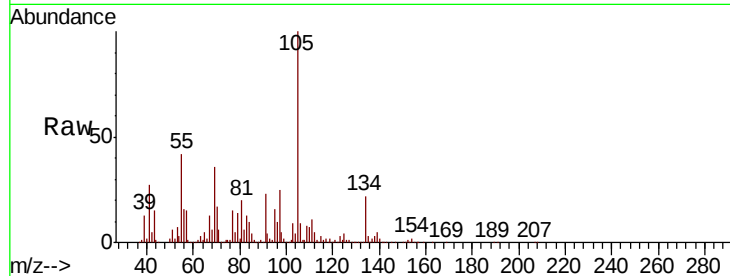
EP1-NW-IMPACTED-0818

Tot Ion:105 Resp: 458266

Ion Ratio Lower Upper

105 100

134 30.3 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

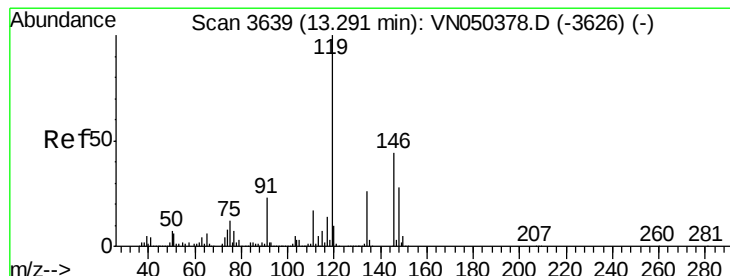
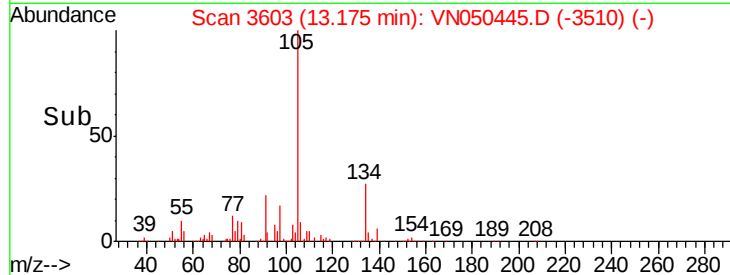
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 5.25 ug/l

RT: 13.44 min Scan# 3687

Delta R.T. 0.15 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

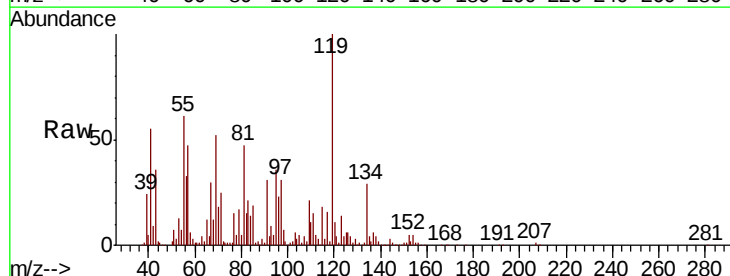
Tgt Ion:119 Resp: 172948

Ion Ratio Lower Upper

119 100

134 29.1 13.3 39.8

91 26.2 11.4 34.2



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

600000

500000

400000

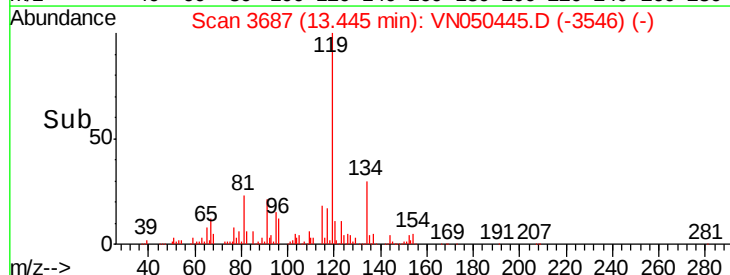
300000

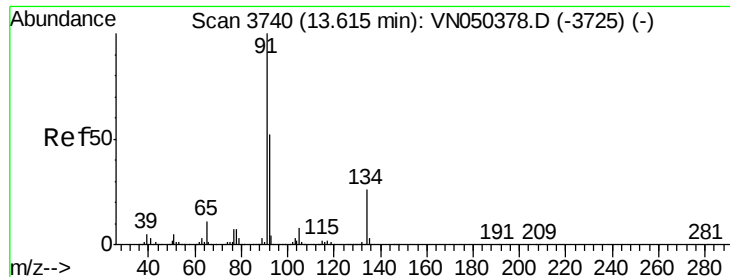
200000

100000

0

Time-->

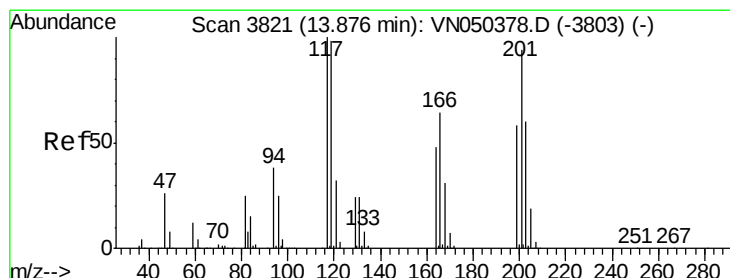
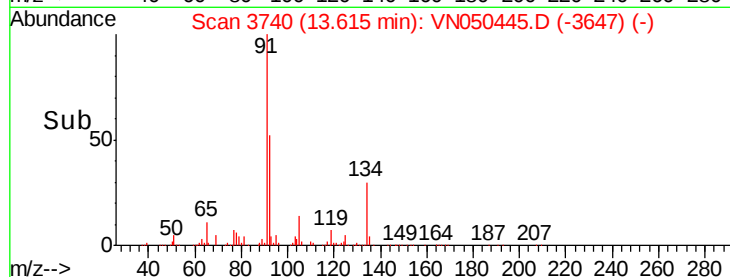
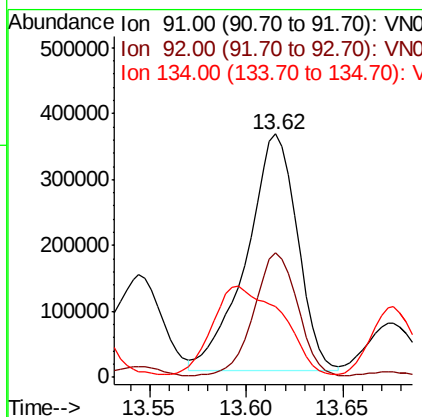
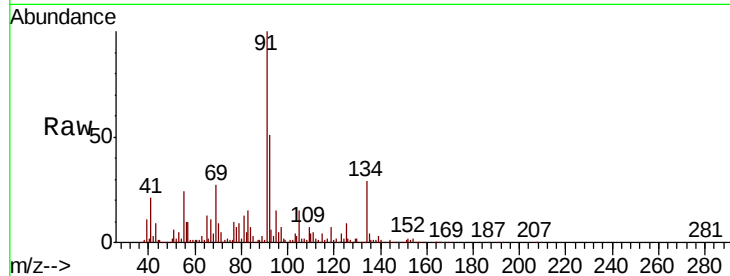




#89
n-Butylbenzene
Concen: 23.57 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

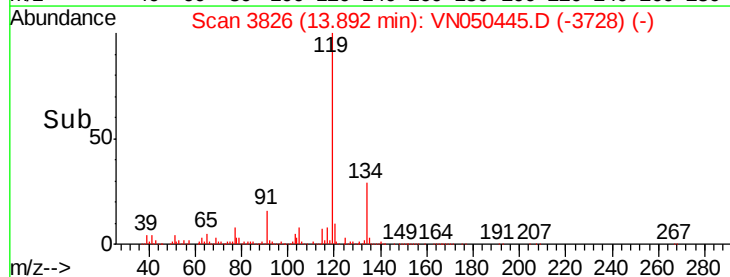
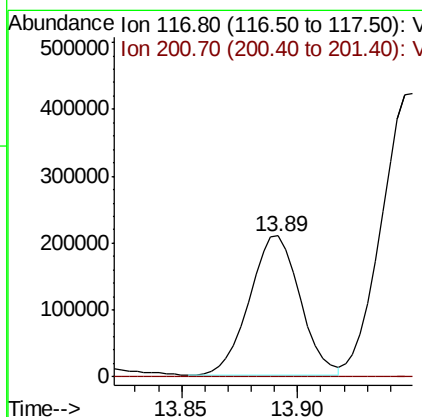
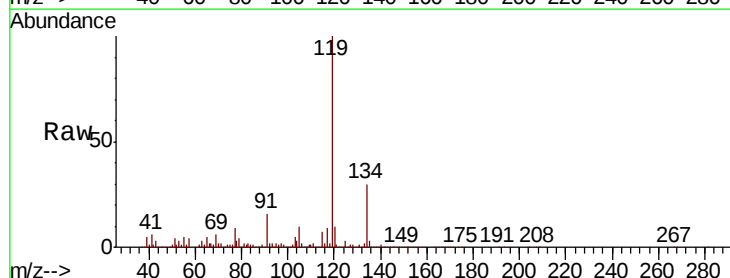
Instrument :
MSVOA_N
ClientSampleId :
EP1-NW-IMPACTED-0818

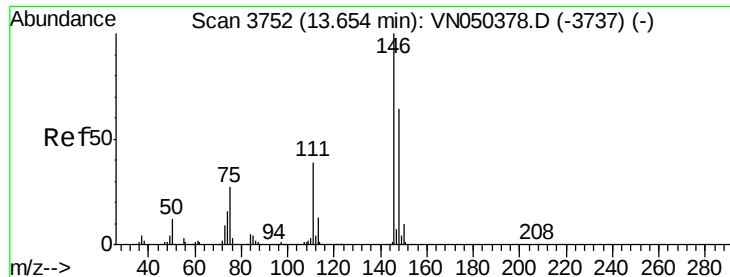
Tot Ion: 91 Resp: 661696
Ion Ratio Lower Upper
91 100
92 44.7 25.8 77.4
134 50.4 12.8 38.4#



#90
Hexachloroethane
Concen: 53.91 ug/l
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN050445.D
Acq: 7 Aug 2018 20:48

Tgt Ion: 117 Resp: 316079
Ion Ratio Lower Upper
117 100
201 0.0 45.6 136.8#





#91

1,2-Dichlorobenzene

Concen: 0.38 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

EP1-NW-IMPACTED-0818

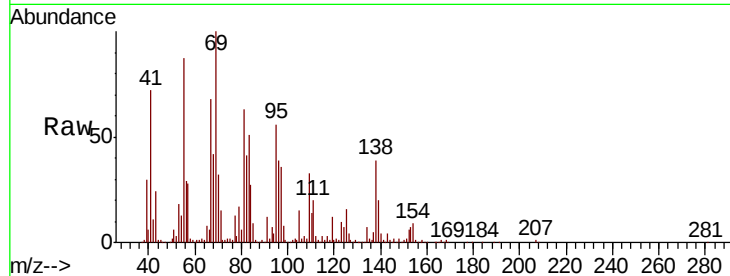
Tot Ion:146 Resp: 7375

Ion Ratio Lower Upper

146 100

111 1059.3 19.6 58.7#

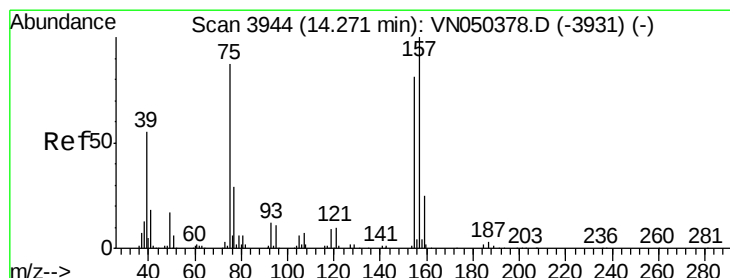
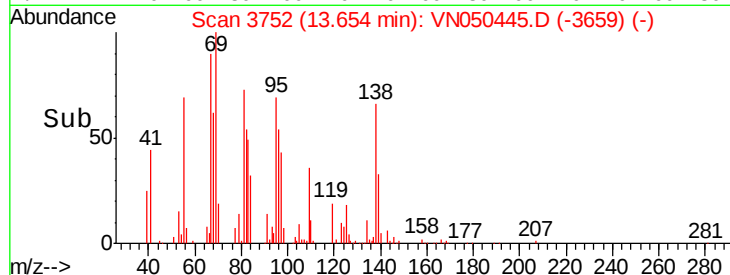
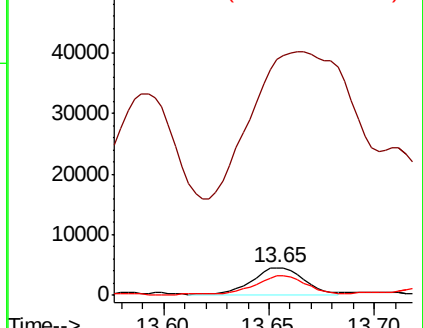
148 68.8 32.1 96.3



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: 3.64 ug/l

RT: 14.30 min Scan# 3952

Delta R.T. 0.03 min

Lab File: VN050445.D

Acq: 7 Aug 2018 20:48

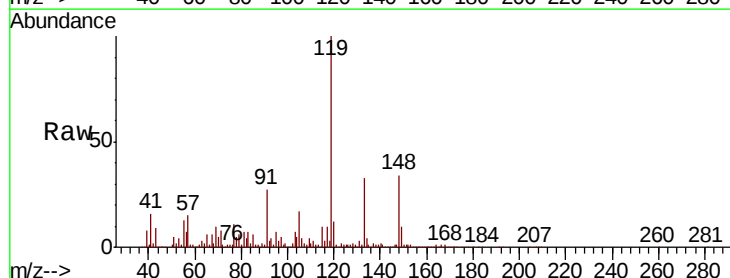
Tgt Ion: 75 Resp: 7259

Ion Ratio Lower Upper

75 100

155 4.7 44.8 134.4#

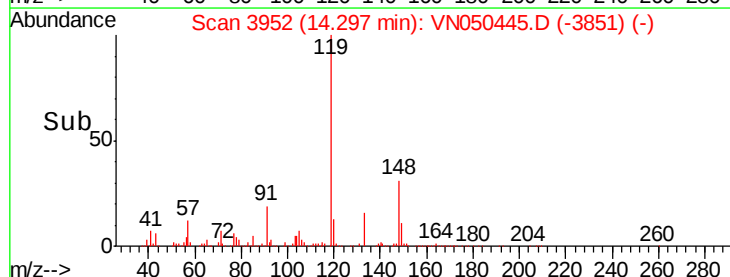
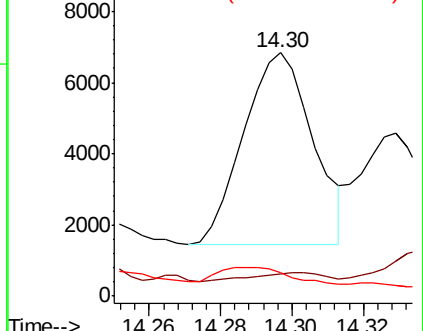
157 9.3 57.2 171.6#

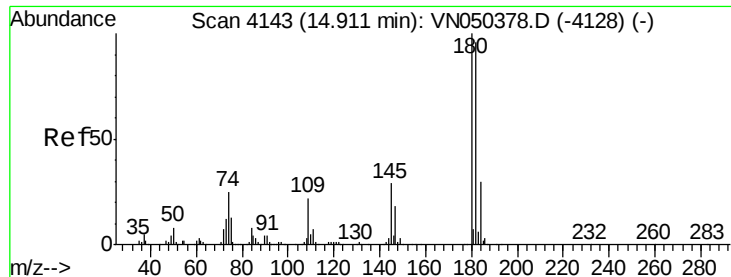


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

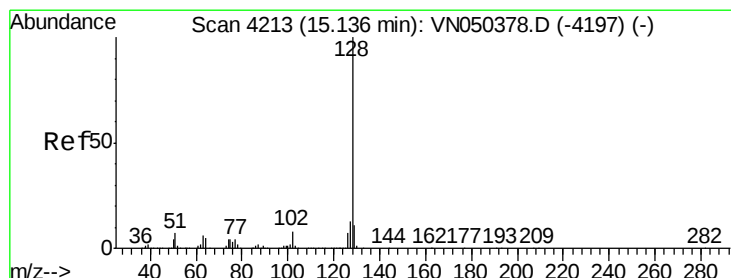
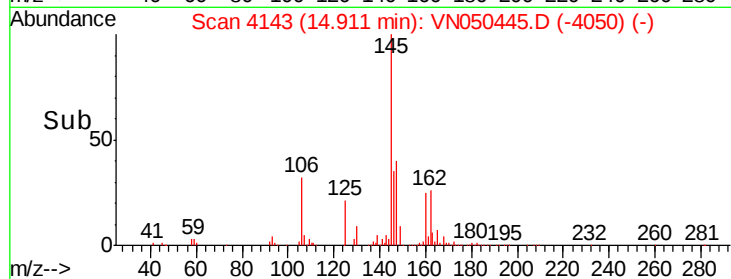
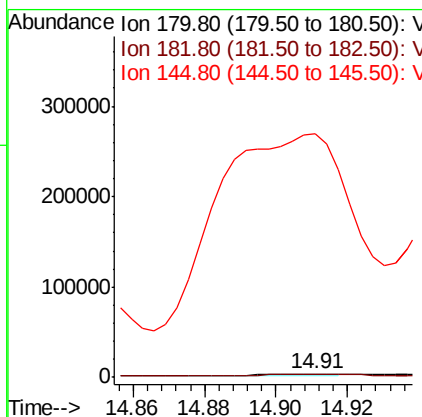
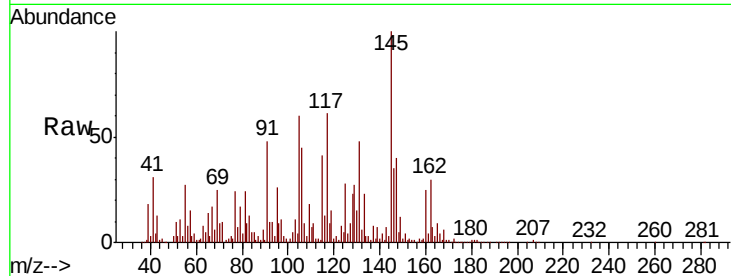




#93
 1,2,4-Trichlorobenzene
 Concen: 0.25 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050445.D
 Acq: 7 Aug 2018 20:48

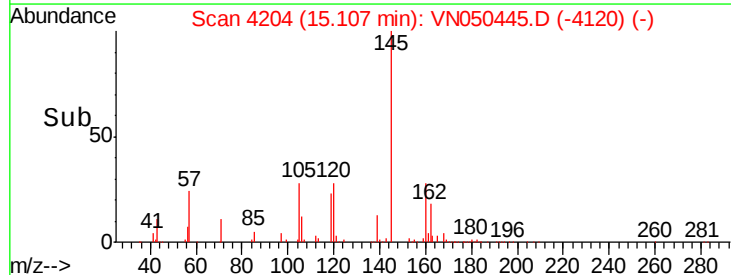
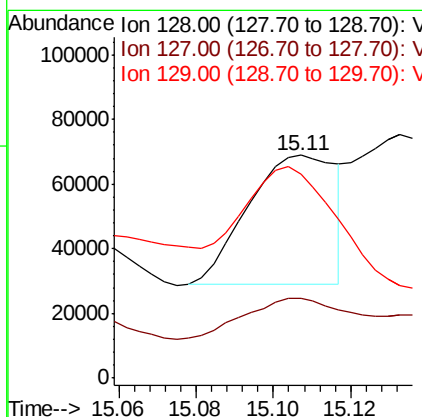
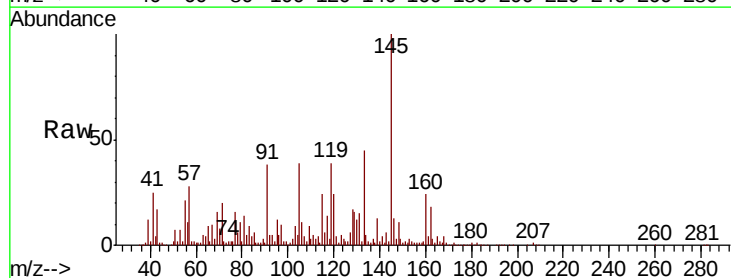
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-NW-IMPACTED-0818

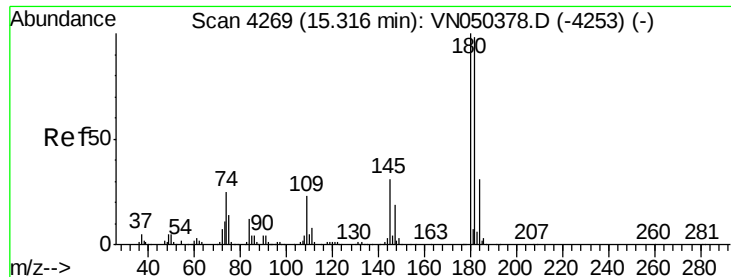
Tot Ion:180 Resp: 2529
 Ion Ratio Lower Upper
 180 100
 182 134.4 46.7 140.1
 145 29387.8 13.8 41.4#



#95
 Naphthalene
 Concen: 5.84 ug/l
 RT: 15.11 min Scan# 4204
 Delta R.T. -0.03 min
 Lab File: VN050445.D
 Acq: 7 Aug 2018 20:48

Tgt Ion:128 Resp: 63027
 Ion Ratio Lower Upper
 128 100
 127 37.0 10.4 15.6#
 129 175.2 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.46 ug/l
 RT: 15.34 min Scan# 4276
 Delta R.T. 0.02 min
 Lab File: VN050445.D
 Acq: 7 Aug 2018 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-NW-IMPACTED-0818

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.4#
145	0.0	15.3	45.9#

