

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054746.D
 Acq On : 28 Mar 2019 15:58
 Operator : JC/SP
 Sample : K2112-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EPH-4-8-WC-002

Quant Time: Mar 29 07:21:30 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	528668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	861077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	734206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	292222	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	344160	52.34	ug/l	0.00
Spiked Amount						
			Recovery	=	104.68%	
35) Dibromofluoromethane	7.59	113	273584	49.32	ug/l	0.00
Spiked Amount						
			Recovery	=	98.64%	
50) Toluene-d8	10.09	98	1041871	49.96	ug/l	0.00
Spiked Amount						
			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	335714	47.31	ug/l	0.00
Spiked Amount						
			Recovery	=	94.62%	

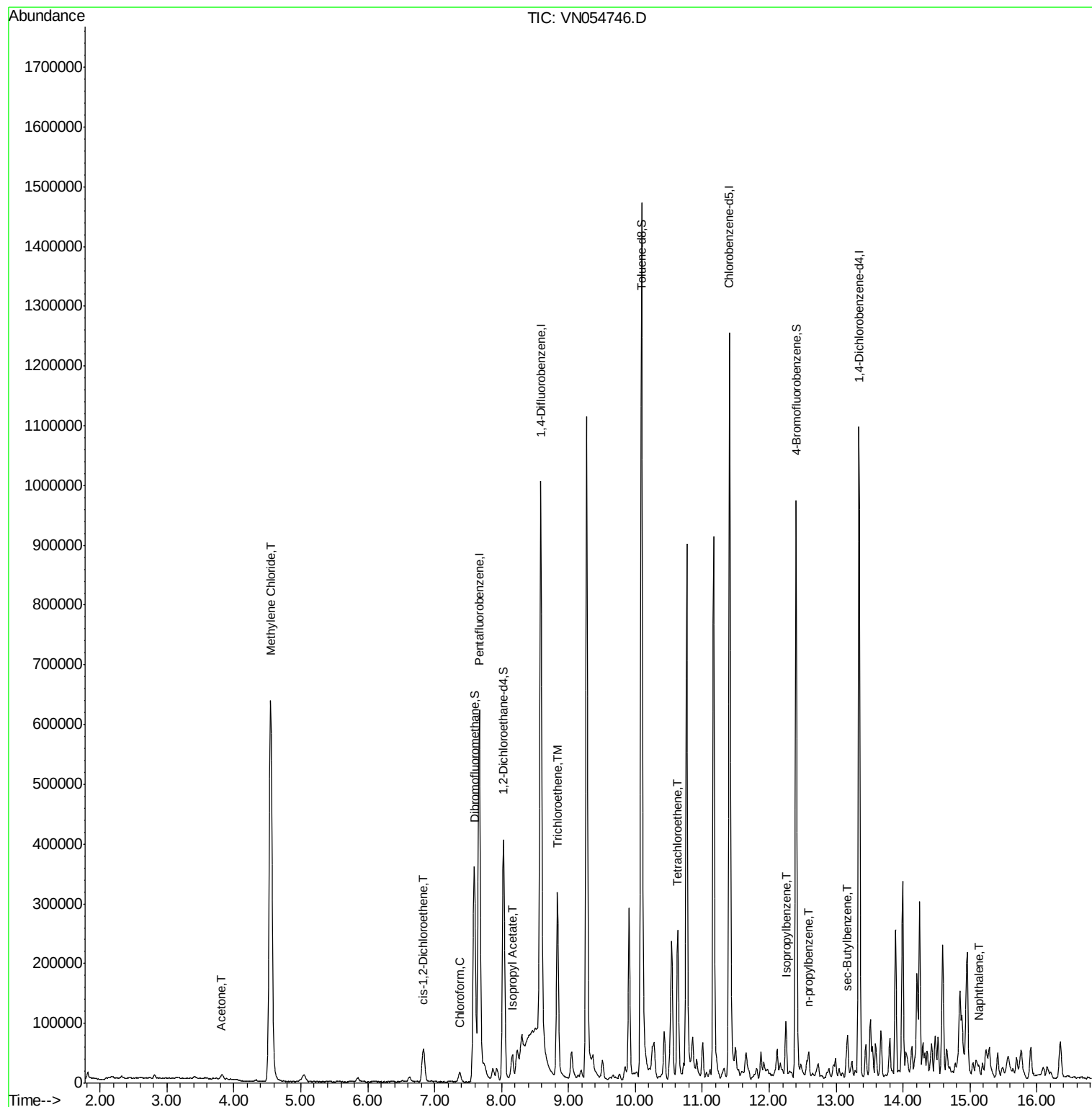
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	11922	6.030	ug/l #	74
20) Methylene Chloride	4.55	84	443376	76.079	ug/l #	80
27) cis-1,2-Dichloroethene	6.83	96	33553	5.403	ug/l	94
30) Chloroform	7.37	83	15014	1.509	ug/l	99
43) Isopropyl Acetate	8.16	43	15766	1.630	ug/l #	85
44) Trichloroethene	8.83	130	116038	18.129	ug/l	92
64) Tetrachloroethene	10.63	164	47634	7.822	ug/l	96
73) Isopropylbenzene	12.25	105	60180	2.556	ug/l	98
78) n-propylbenzene	12.59	91	33686	1.319	ug/l	99
85) sec-Butylbenzene	13.17	105	42037	2.007	ug/l	83
95) Naphthalene	15.13	128	11664	1.119	ug/l #	85

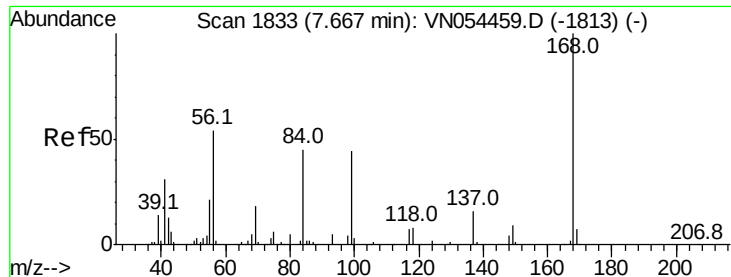
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054746.D

Acq: 28 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

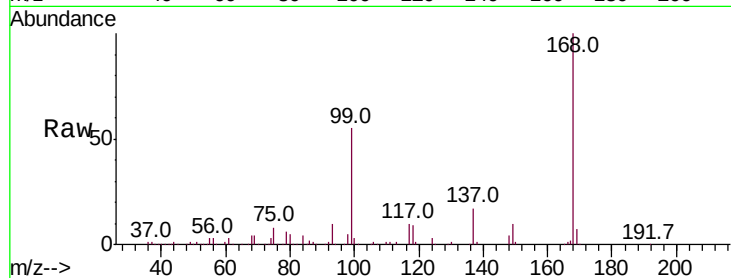
EPH-4-8-WC-002

Tot Ion:168 Resp: 528668

Ion Ratio Lower Upper

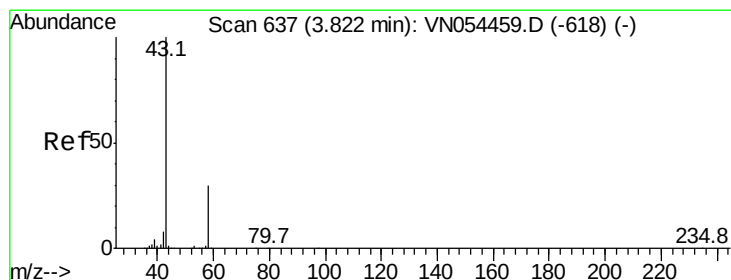
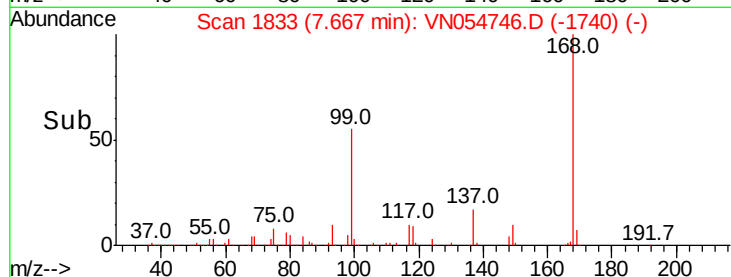
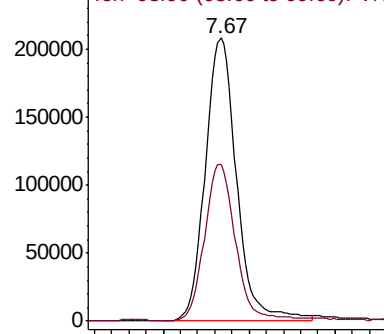
168 100

99 55.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 6.030 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054746.D

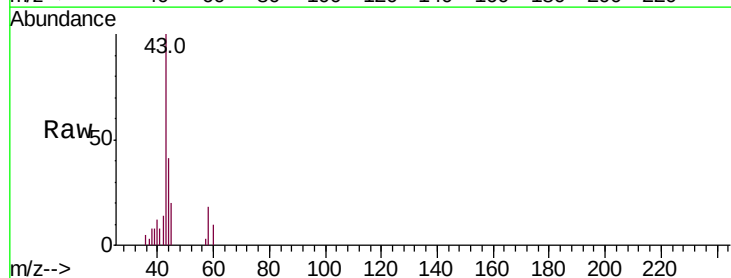
Acq: 28 Mar 2019 15:58

Tgt Ion: 43 Resp: 11922

Ion Ratio Lower Upper

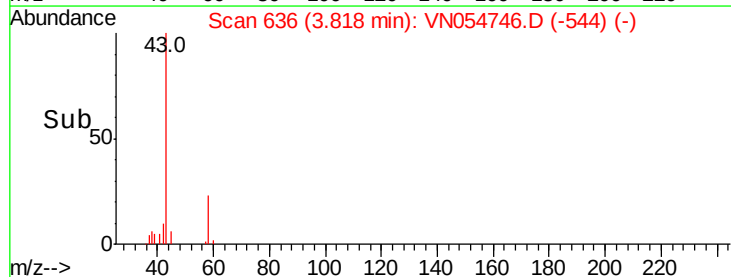
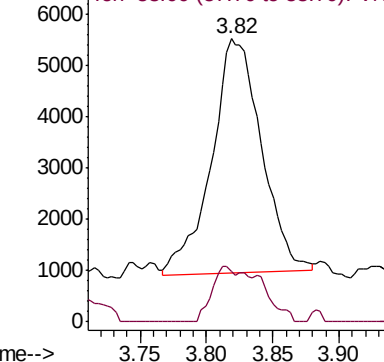
43 100

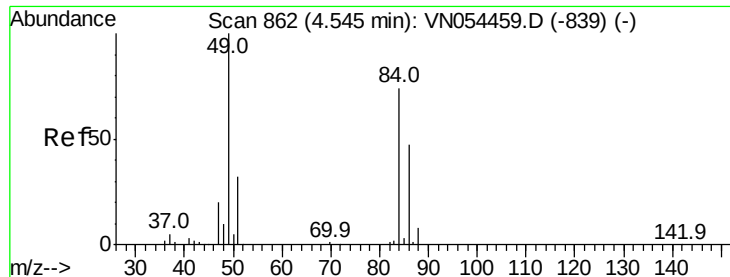
58 21.9 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

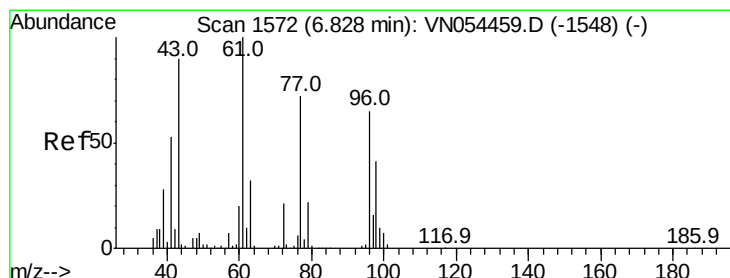
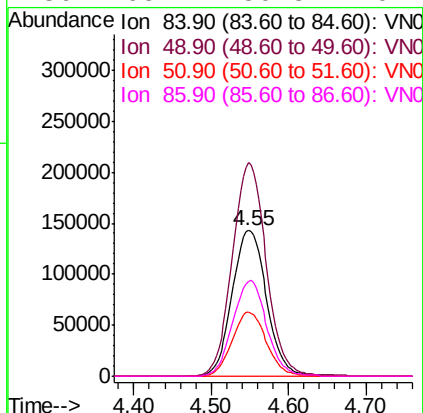
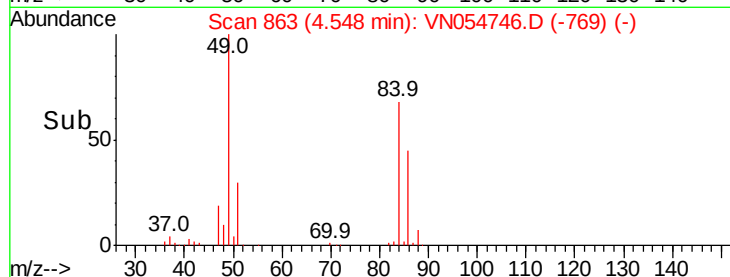
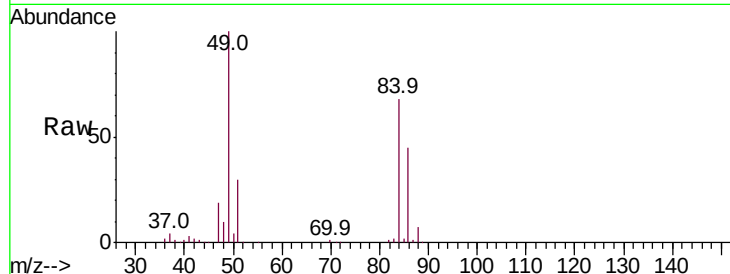




#20
Methylene Chloride
Concen: 76.079 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054746.D
Acq: 28 Mar 2019 15:58

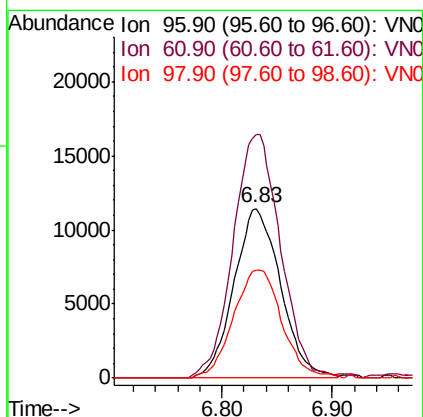
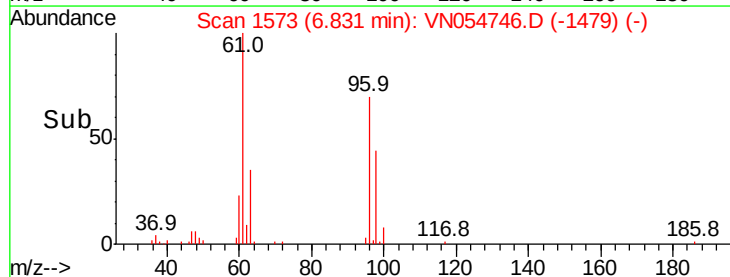
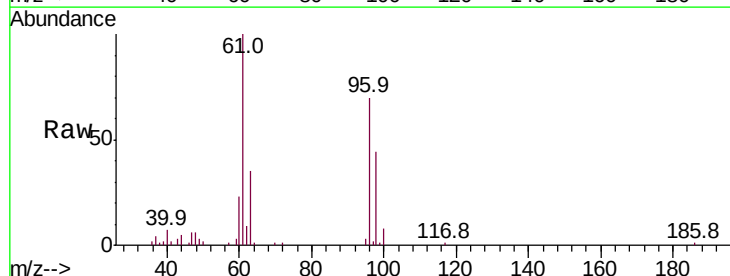
Instrument :
MSVOA_N
ClientSampleId :
EPH-4-8-WC-002

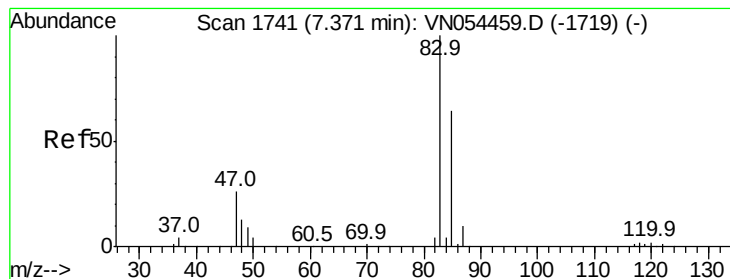
Tot Ion: 84 Resp: 443376
Ion Ratio Lower Upper
84 100
49 146.3 89.7 134.5#
51 44.1 28.2 42.4#
86 65.2 50.8 76.2



#27
cis-1,2-Dichloroethene
Concen: 5.403 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN054746.D
Acq: 28 Mar 2019 15:58

Tgt Ion: 96 Resp: 33553
Ion Ratio Lower Upper
96 100
61 145.6 0.0 273.0
98 66.2 0.0 130.6





#30

Chloroform

Concen: 1.509 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN054746.D

Acq: 28 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

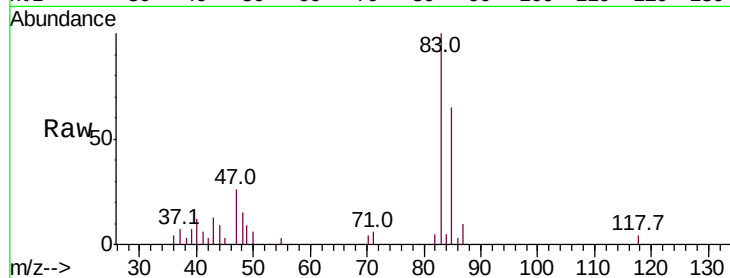
EPH-4-8-WC-002

Tot Ion: 83 Resp: 15014

Ion Ratio Lower Upper

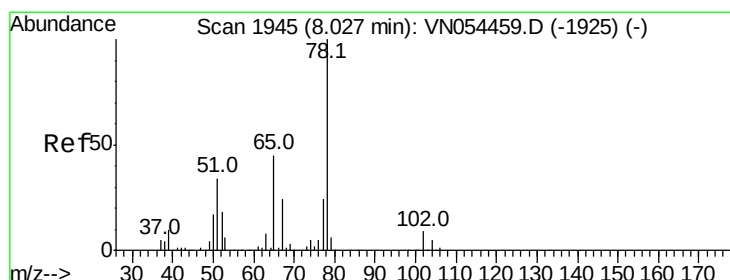
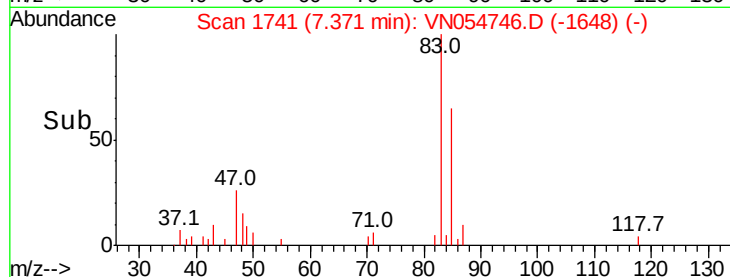
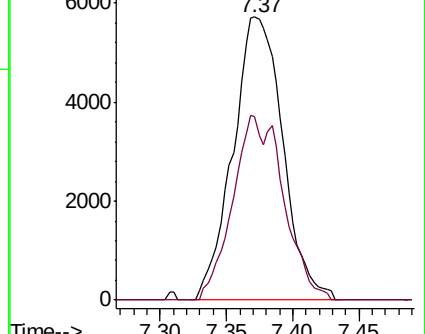
83 100

85 64.7 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.337 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054746.D

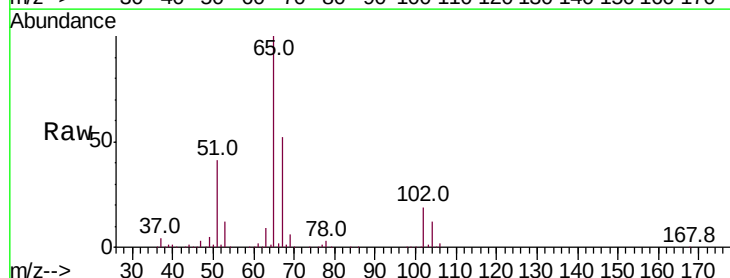
Acq: 28 Mar 2019 15:58

Tgt Ion: 65 Resp: 344160

Ion Ratio Lower Upper

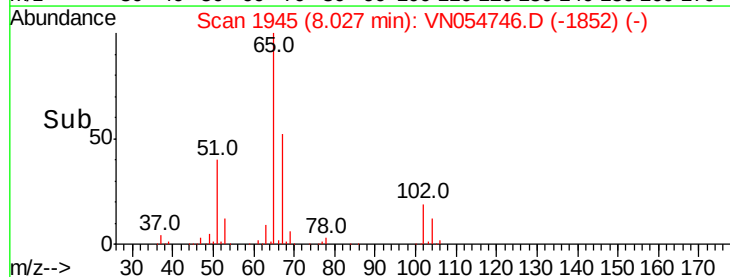
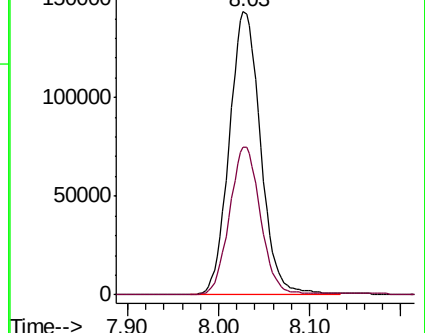
65 100

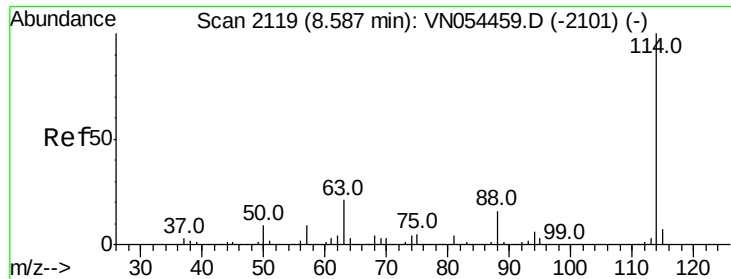
67 51.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

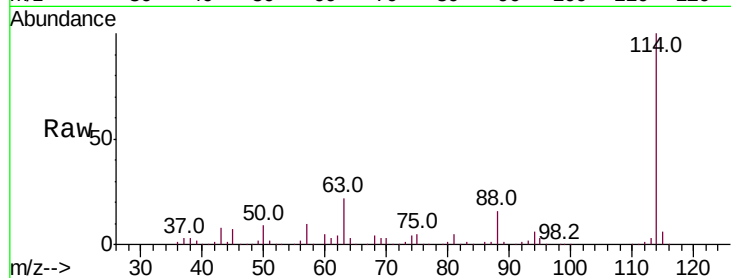




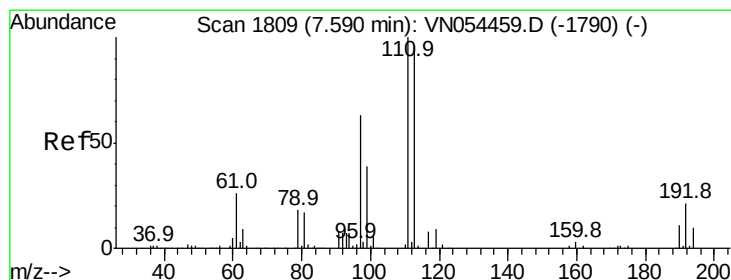
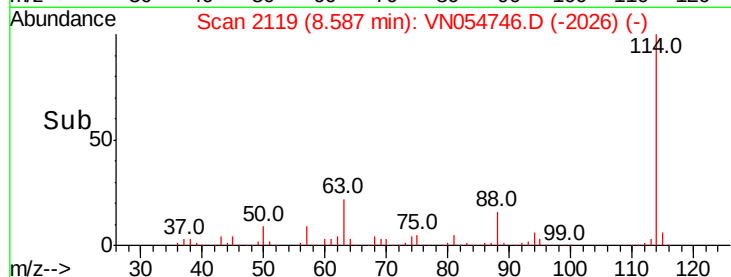
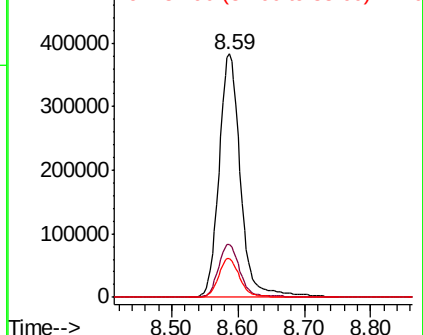
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054746.D
 Acq: 28 Mar 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 EPH-4-8-WC-002

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	35.2
88	15.8	0.0	30.2

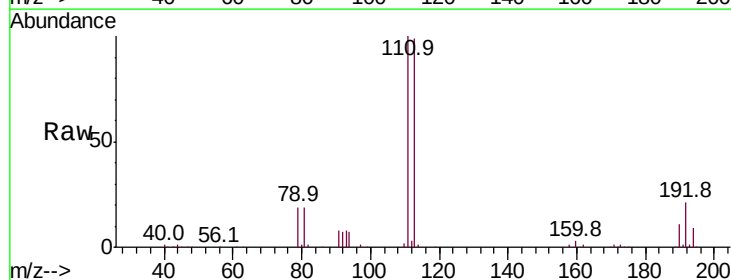


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

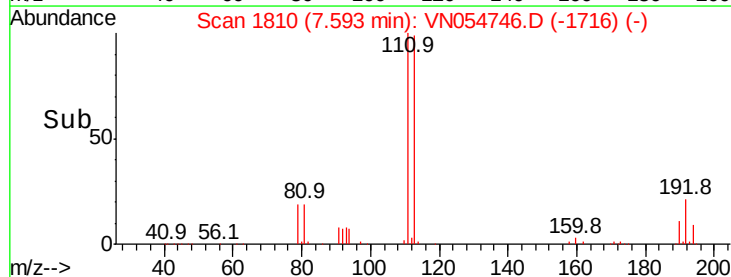
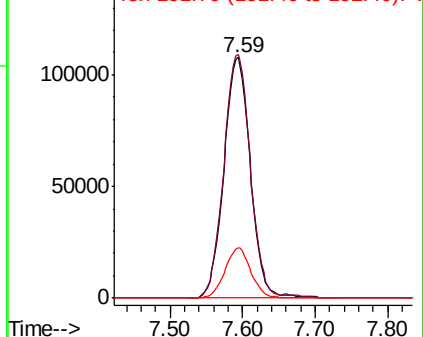


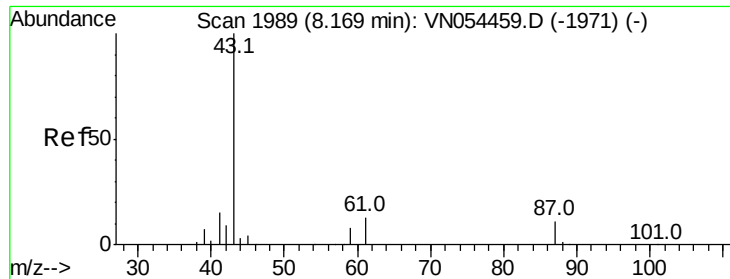
#35
 Dibromofluoromethane
 Concen: 49.317 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054746.D
 Acq: 28 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.2	123.4
192	20.4	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





#43

Isopropyl Acetate

Concen: 1.630 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.01 min

Lab File: VN054746.D

Acq: 28 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

EPH-4-8-WC-002

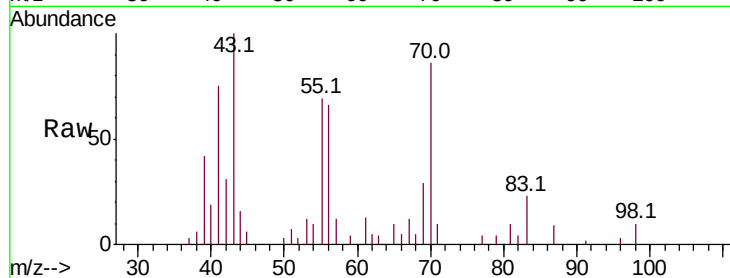
Tot Ion: 43 Resp: 15766

Ion Ratio Lower Upper

43 100

61 12.1 15.8 23.8#

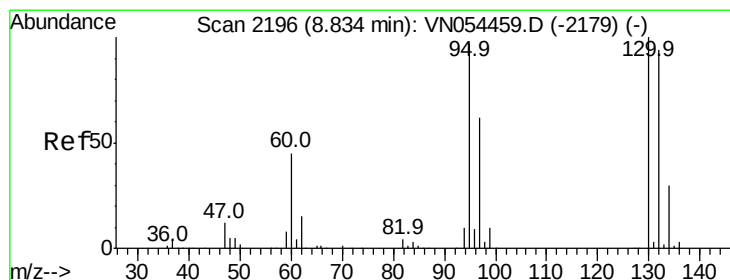
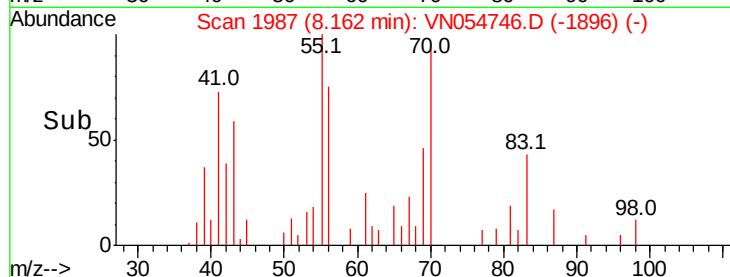
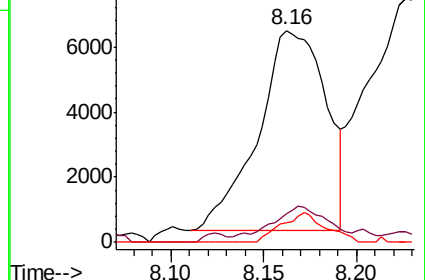
87 9.6 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 18.129 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054746.D

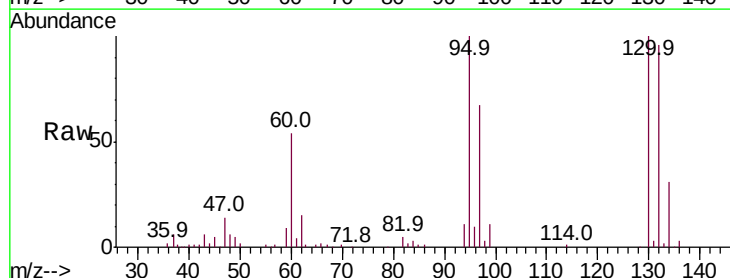
Acq: 28 Mar 2019 15:58

Tgt Ion:130 Resp: 116038

Ion Ratio Lower Upper

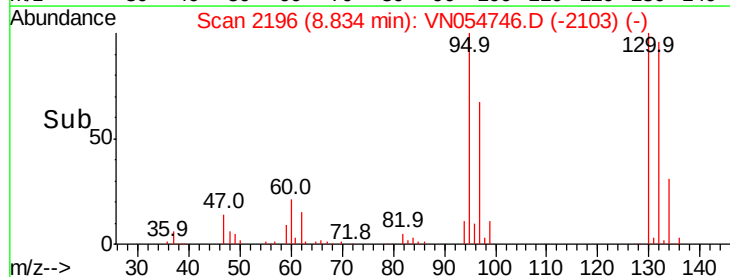
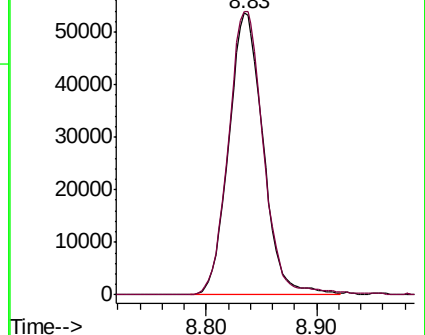
130 100

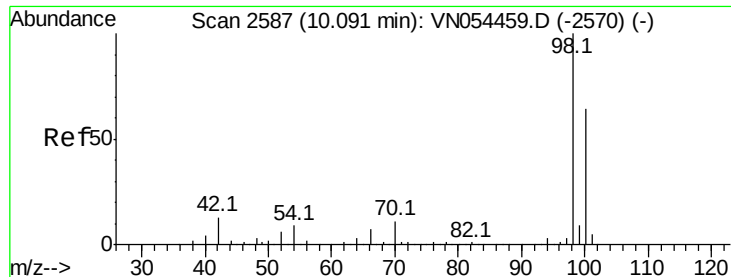
95 100.4 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)





#50

Toluene-d8

Concen: 49.958 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054746.D

Acq: 28 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

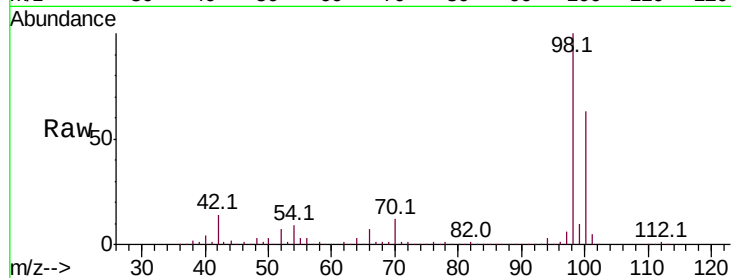
EPH-4-8-WC-002

Tot Ion: 98 Resp: 1041871

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)

10.09

500000

400000

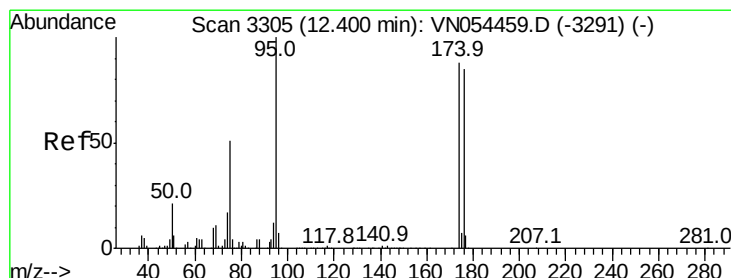
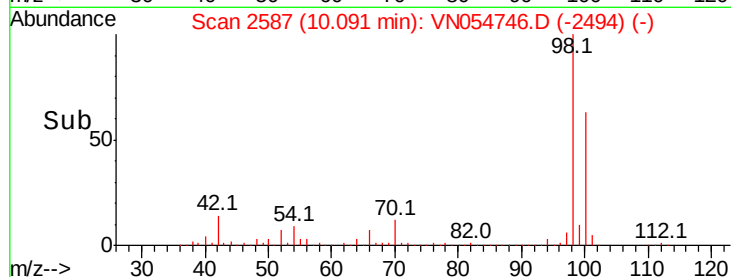
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.306 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054746.D

Acq: 28 Mar 2019 15:58

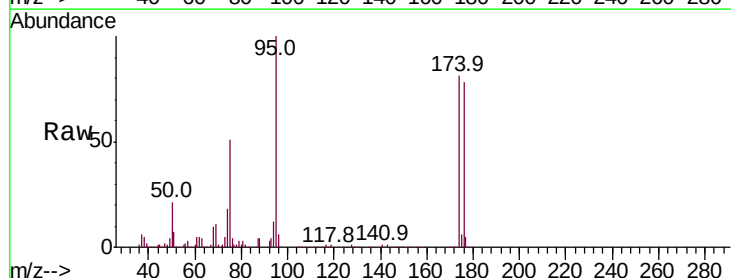
Tgt Ion: 95 Resp: 335714

Ion Ratio Lower Upper

95 100

174 83.0 0.0 191.0

176 79.9 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)

12.40

200000

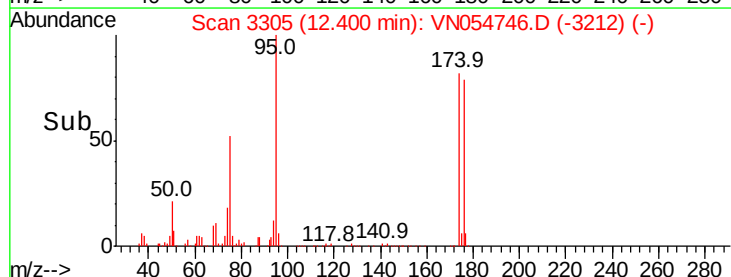
150000

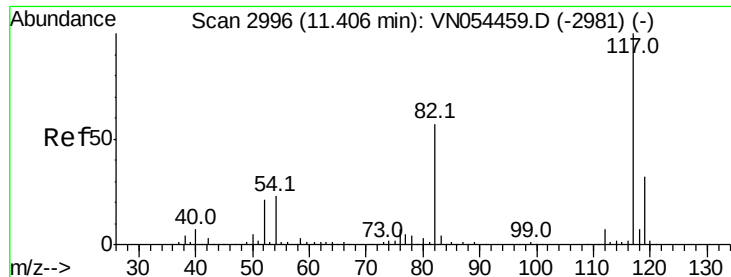
100000

50000

0

Time-->

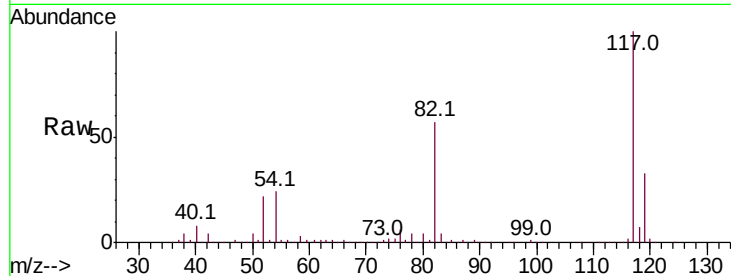




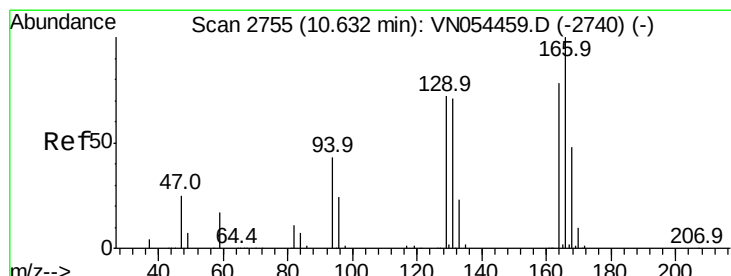
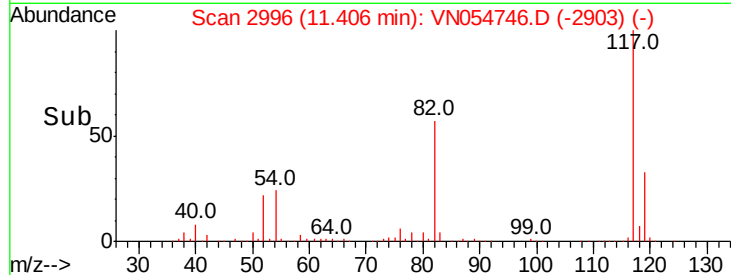
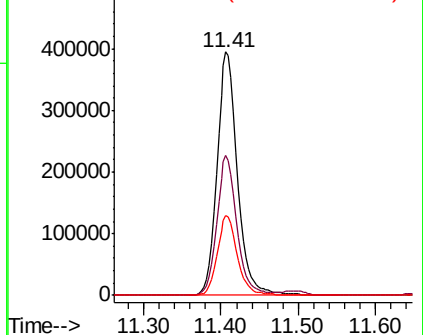
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054746.D
Acq: 28 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampled :
EPH-4-8-WC-002

Tot Ion:117 Resp: 734206
Ion Ratio Lower Upper
117 100
82 57.2 40.0 60.0
119 32.7 25.8 38.6

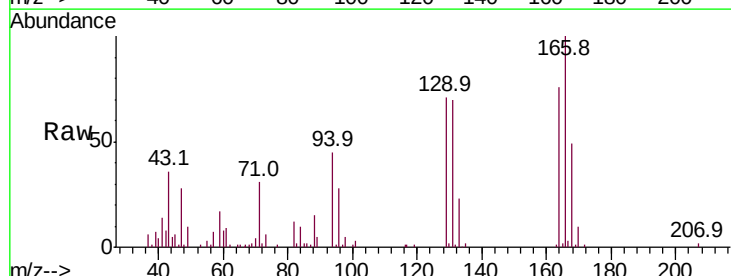


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

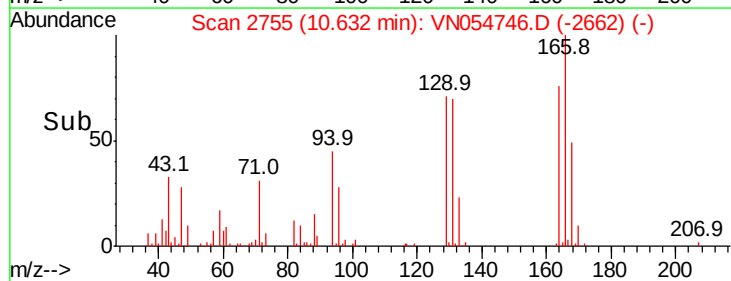
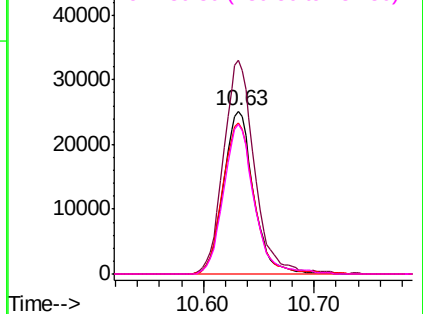


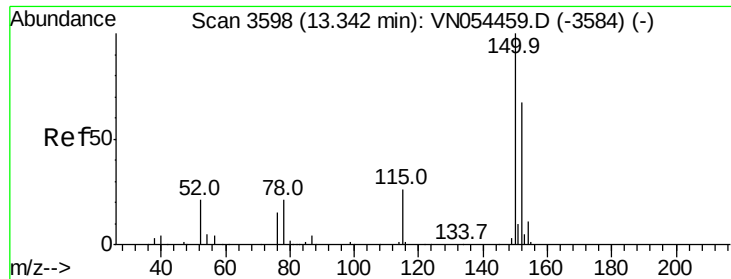
#64
Tetrachloroethene
Concen: 7.822 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054746.D
Acq: 28 Mar 2019 15:58

Tgt Ion:164 Resp: 47634
Ion Ratio Lower Upper
164 100
166 131.2 103.9 155.9
129 92.8 71.1 106.7
131 91.7 68.2 102.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

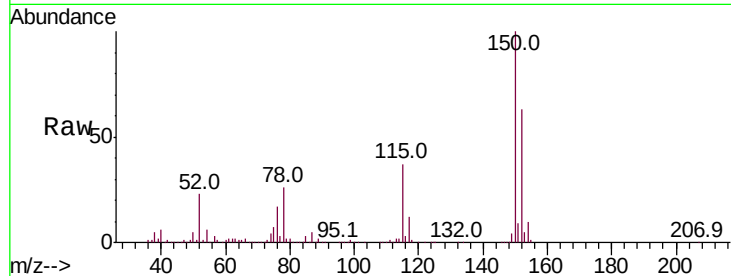




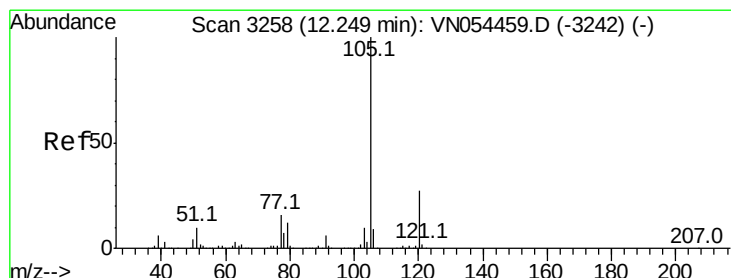
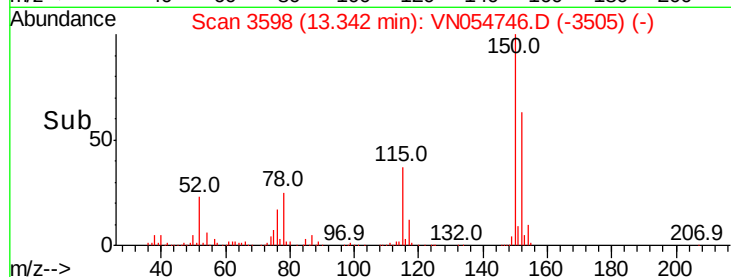
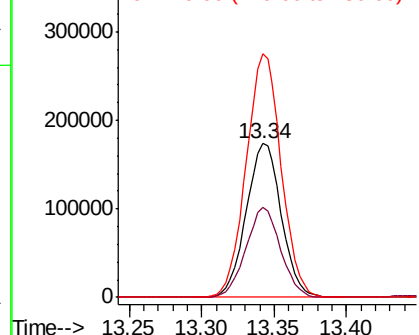
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN054746.D
 Acq: 28 Mar 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 EPH-4-8-WC-002

Tot Ion:152 Resp: 292222
 Ion Ratio Lower Upper
 152 100
 115 58.1 27.2 81.6
 150 157.8 0.0 349.2

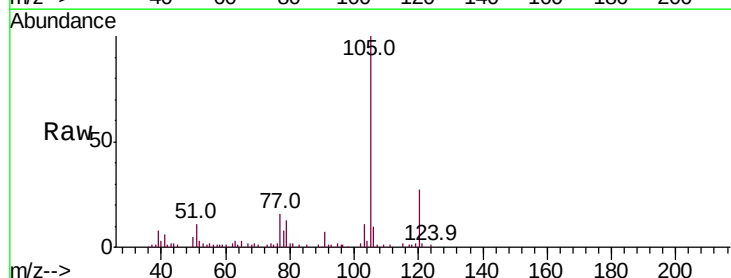


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

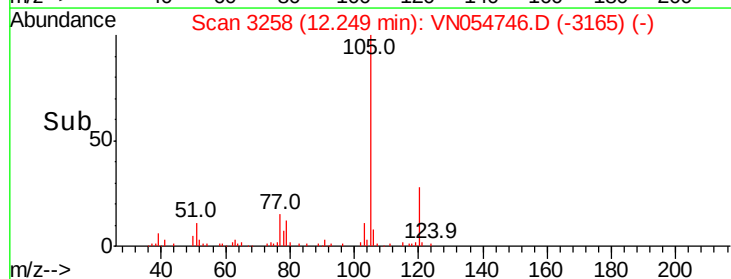
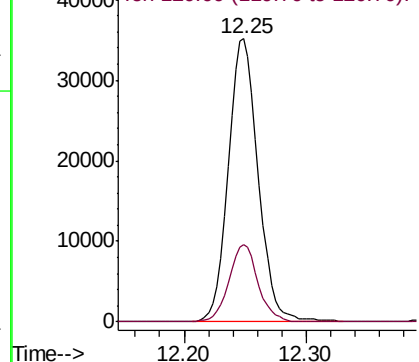


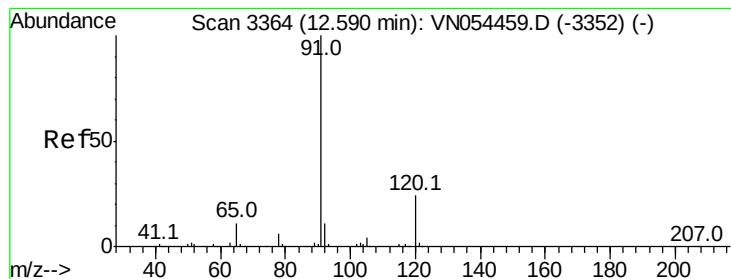
#73
 Isopropylbenzene
 Concen: 2.556 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN054746.D
 Acq: 28 Mar 2019 15:58

Tgt Ion:105 Resp: 60180
 Ion Ratio Lower Upper
 105 100
 120 26.5 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.319 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054746.D

Acq: 28 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

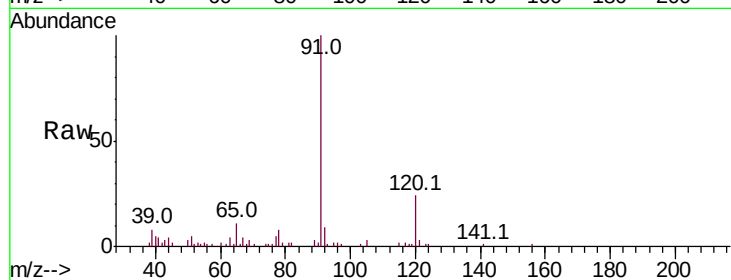
EPH-4-8-WC-002

Tot Ion: 91 Resp: 33686

Ion Ratio Lower Upper

91 100

120 25.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3352) (-)

12.59

20000

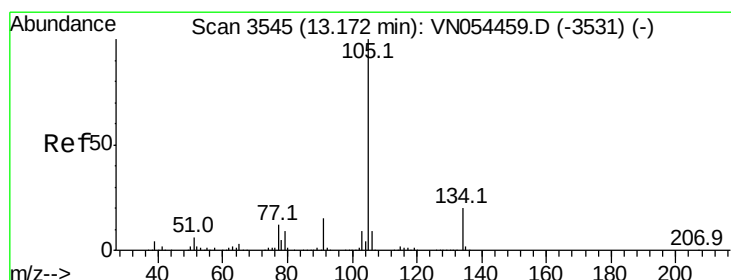
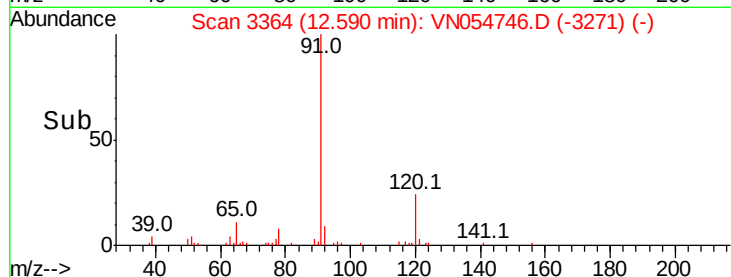
15000

10000

5000

0

Time--> 12.50 12.55 12.60 12.65



#85

sec-Butylbenzene

Concen: 2.007 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054746.D

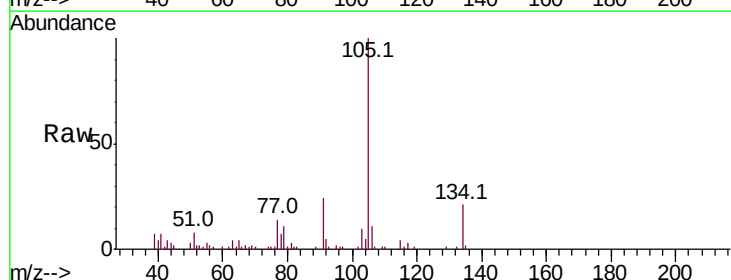
Acq: 28 Mar 2019 15:58

Tgt Ion: 105 Resp: 42037

Ion Ratio Lower Upper

105 100

134 29.2 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3531) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3531) (-)

13.17

30000

25000

20000

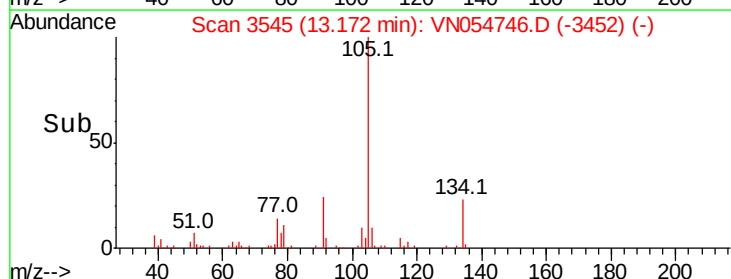
15000

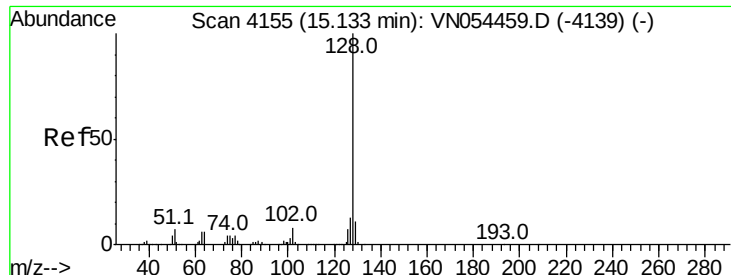
10000

5000

0

Time--> 13.10 13.15 13.20





#95
Naphthalene
Concen: 1.119 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054746.D
Acq: 28 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
EPH-4-8-WC-002

Tot Ion	Ratio	Lower	Upper
128	100		
127	3.2	10.1	15.1#
129	8.8	8.7	13.1

