

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054747.D
 Acq On : 28 Mar 2019 16:25
 Operator : JC/SP
 Sample : K2112-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EPH-4-8-WC-001

Quant Time: Mar 29 07:26:07 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	546719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	879161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	742035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	279242	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	350526	51.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.10%	
35) Dibromofluoromethane	7.59	113	275584	48.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.32%	
50) Toluene-d8	10.09	98	1066452	50.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.40	95	331130	45.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.40%	

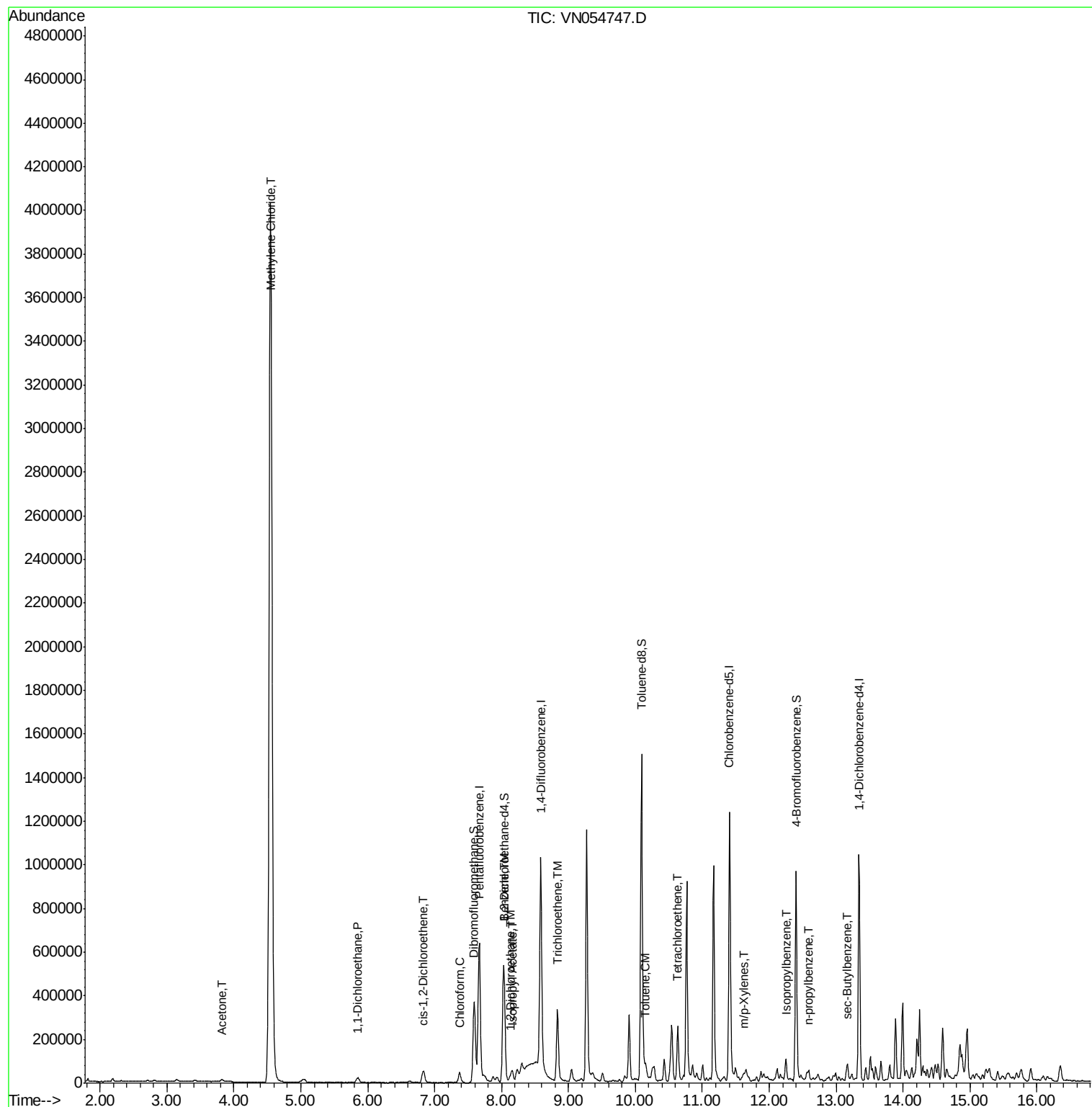
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	14568	7.125	ug/l #	78
20) Methylene Chloride	4.55	84	2805534	465.508	ug/l #	83
24) 1,1-Dichloroethane	5.85	63	36246	3.437	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	34938	5.440	ug/l	100
30) Chloroform	7.37	83	45667	4.437	ug/l	97
40) Benzene	8.04	78	195774	8.329	ug/l	100
42) 1,2-Dichloroethane	8.12	62	16490	1.926	ug/l	99
43) Isopropyl Acetate	8.17	43	20384	2.064	ug/l #	78
44) Trichloroethene	8.83	130	120145	18.384	ug/l	87
52) Toluene	10.16	92	21914	1.516	ug/l	91
64) Tetrachloroethene	10.63	164	49951	8.116	ug/l	96
68) m/p-Xylenes	11.62	106	10472	1.037	ug/l	96
73) Isopropylbenzene	12.25	105	63924	2.841	ug/l	98
78) n-propylbenzene	12.59	91	34748	1.424	ug/l	96
85) sec-Butylbenzene	13.17	105	48120	2.405	ug/l	85

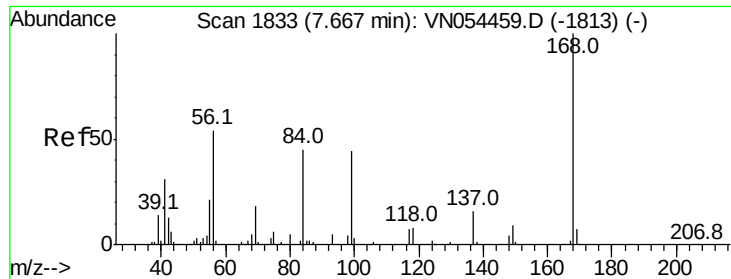
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032819\
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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: VN054747.D

Acq: 28 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

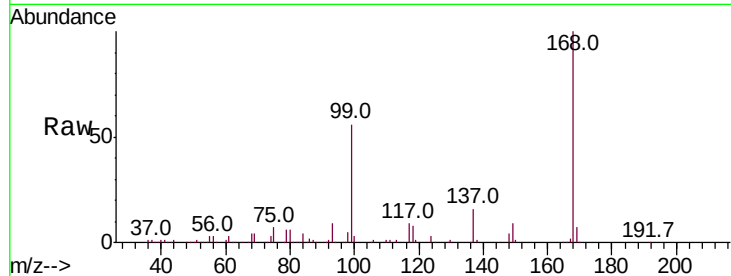
EPH-4-8-WC-001

Tot Ion:168 Resp: 546719

Ion Ratio Lower Upper

168 100

99 55.9 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

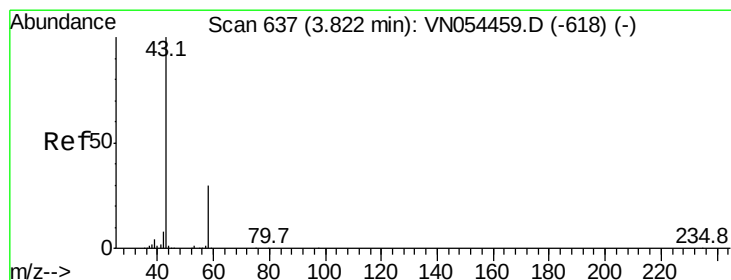
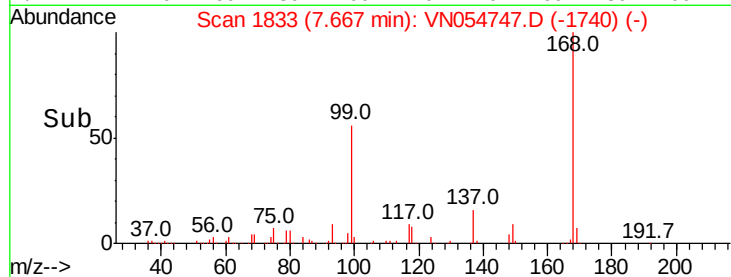
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 7.125 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054747.D

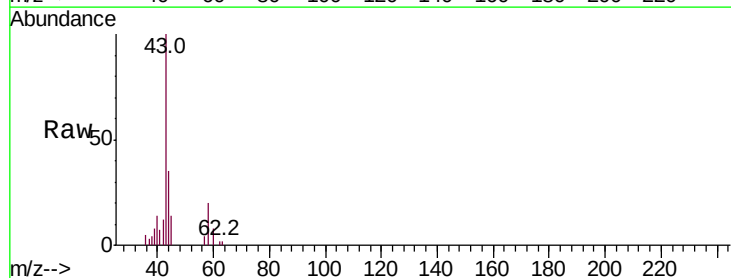
Acq: 28 Mar 2019 16:25

Tgt Ion: 43 Resp: 14568

Ion Ratio Lower Upper

43 100

58 24.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

8000

6000

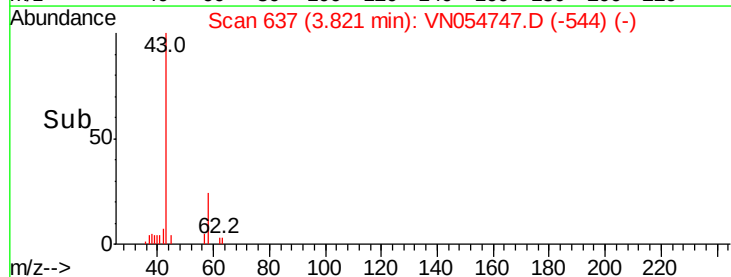
4000

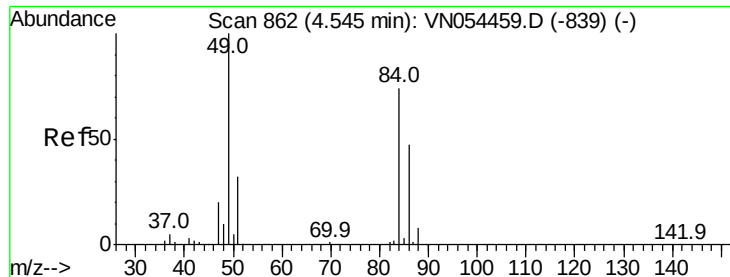
2000

0

3.75 3.80 3.85 3.90

Time-->



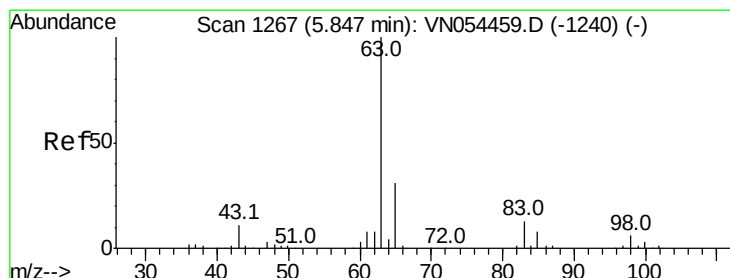
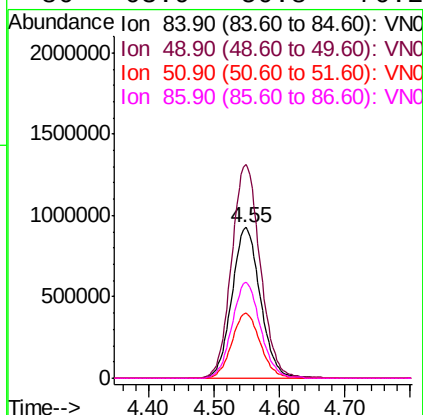
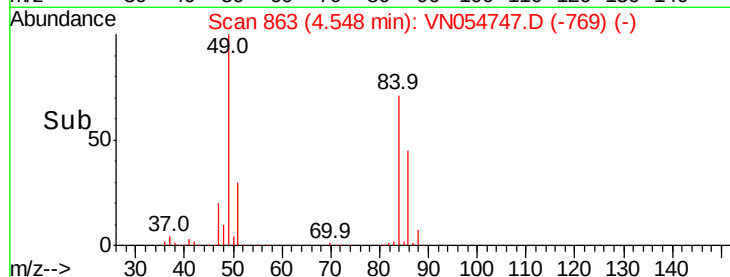
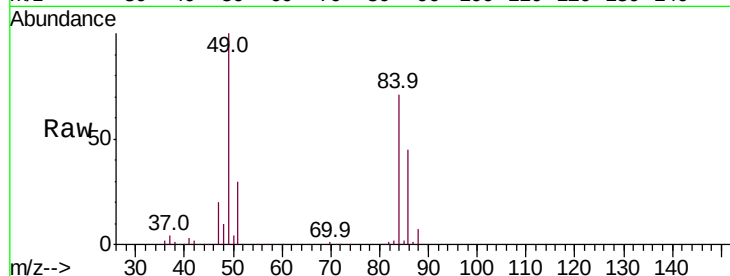


#20
Methylene Chloride
Concen: 465.508 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054747.D
Acq: 28 Mar 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
EPH-4-8-WC-001

Tot Ion: 84 Resp: 2805534

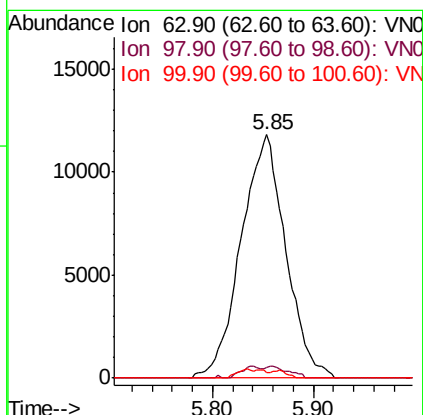
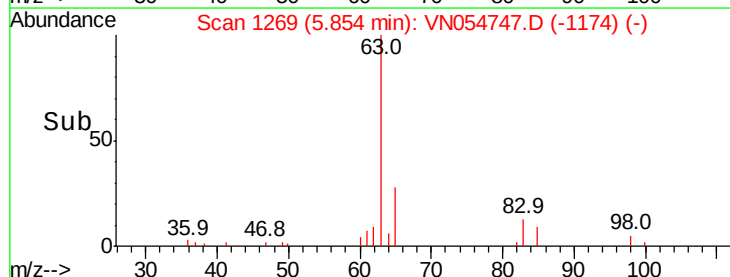
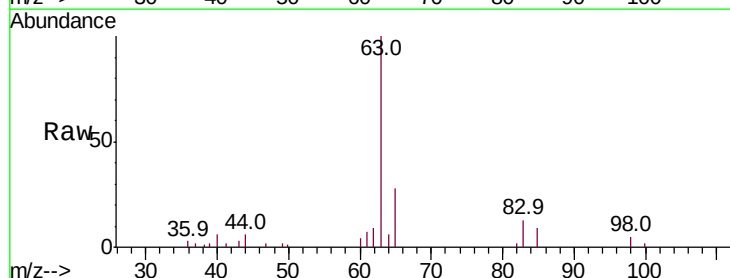
Ion	Ratio	Lower	Upper
84	100		
49	141.8	89.7	134.5#
51	43.2	28.2	42.4#
86	63.9	50.8	76.2

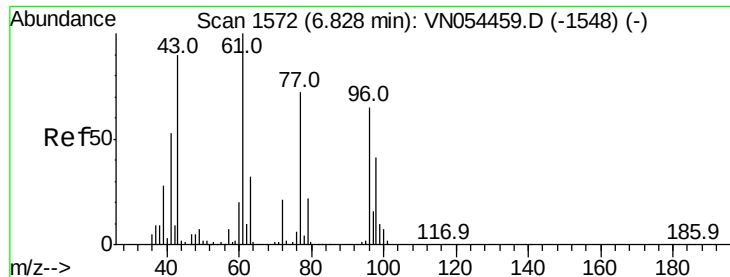


#24
1,1-Dichloroethane
Concen: 3.437 ug/l
RT: 5.85 min Scan# 1269
Delta R.T. 0.01 min
Lab File: VN054747.D
Acq: 28 Mar 2019 16:25

Tgt Ion: 63 Resp: 36246

Ion	Ratio	Lower	Upper
63	100		
98	4.5	3.5	10.5
100	2.5	2.0	6.0





#27

cis-1,2-Dichloroethene

Concen: 5.440 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054747.D

Acq: 28 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

EPH-4-8-WC-001

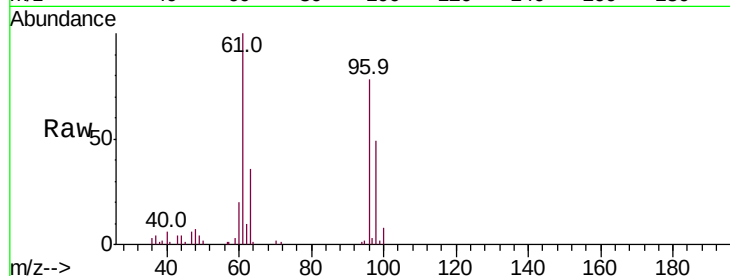
Tot Ion: 96 Resp: 34938

Ion Ratio Lower Upper

96 100

61 136.8 0.0 273.0

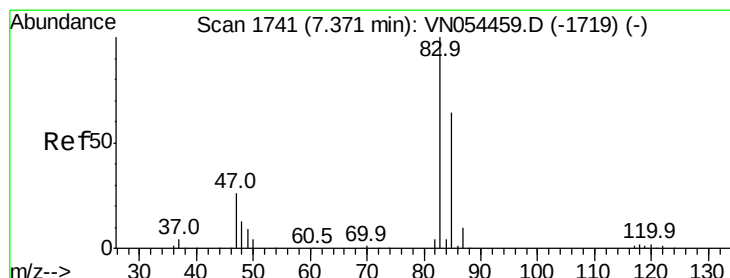
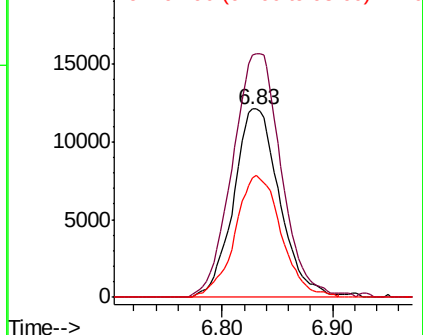
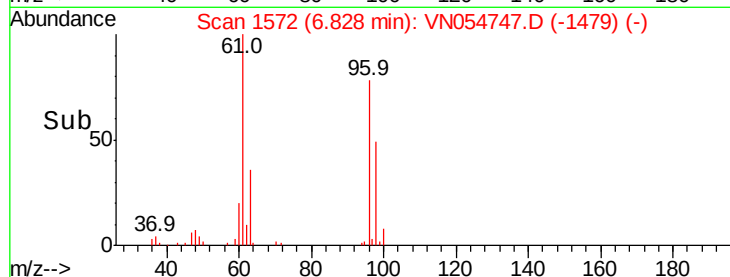
98 65.1 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN054747.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN054747.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN054747.D (-1479) (-)



#30

Chloroform

Concen: 4.437 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054747.D

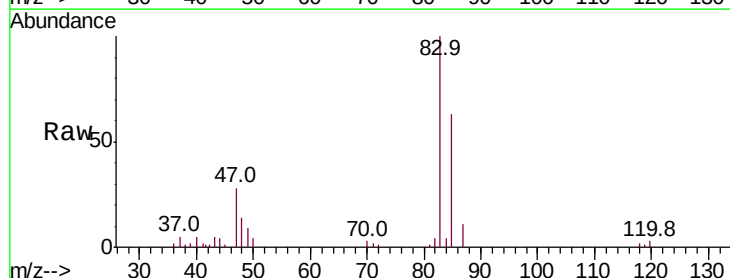
Acq: 28 Mar 2019 16:25

Tgt Ion: 83 Resp: 45667

Ion Ratio Lower Upper

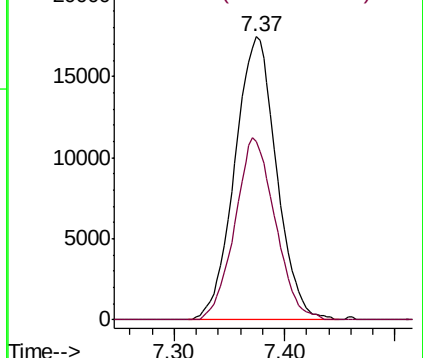
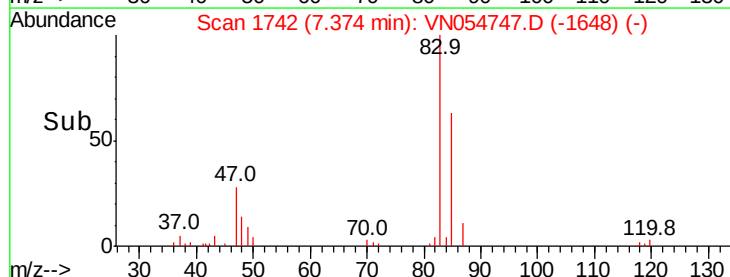
83 100

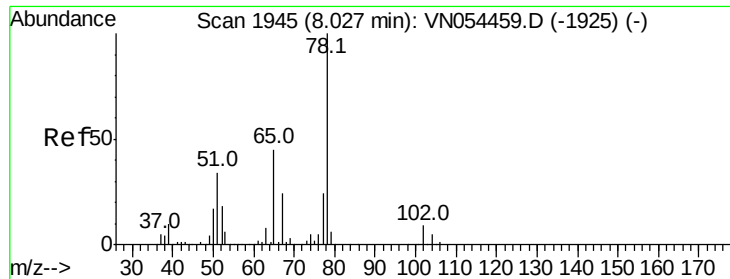
85 63.2 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN054747.D (-1648) (-)

Ion 84.90 (84.60 to 85.60): VN054747.D (-1648) (-)

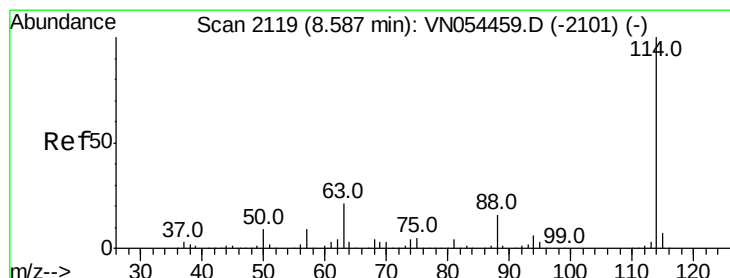
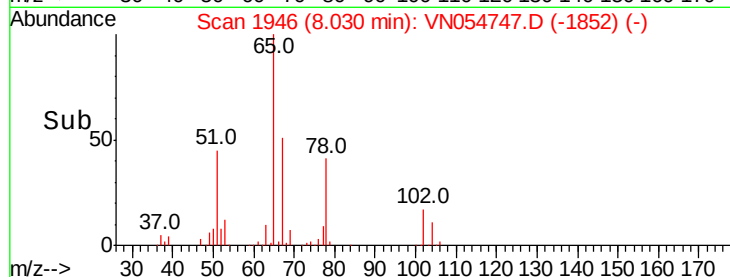
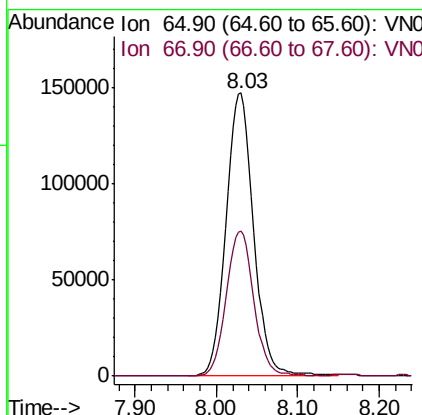
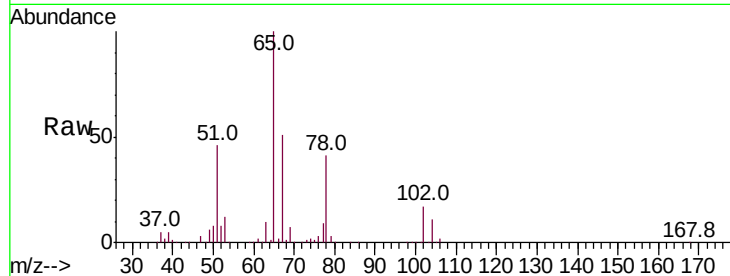




#33
 1,2-Dichloroethane-d4
 Concen: 51.546 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054747.D
 Acq: 28 Mar 2019 16:25

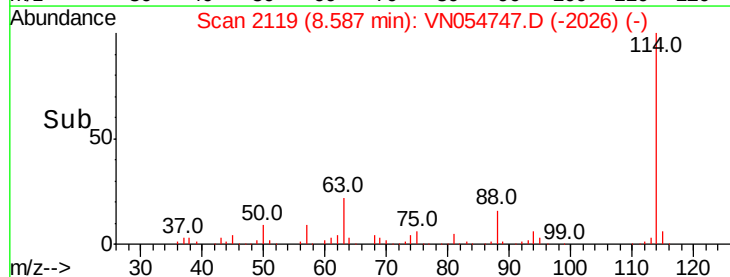
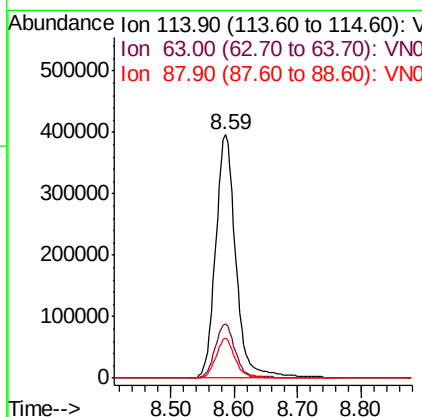
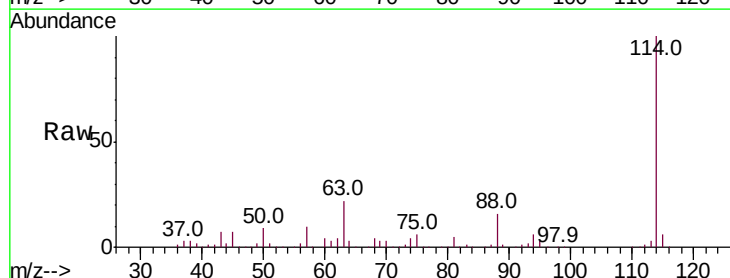
Instrument :
 MSVOA_N
 ClientSampleId :
 EPH-4-8-WC-001

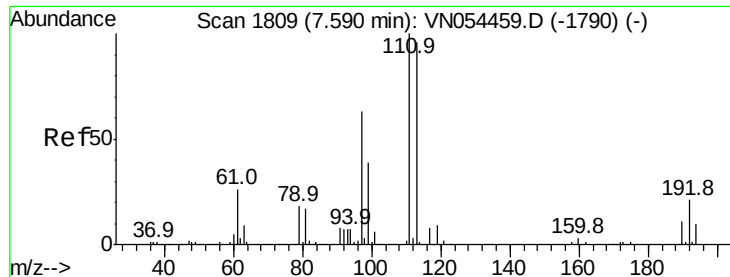
Tot Ion: 65 Resp: 350526
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054747.D
 Acq: 28 Mar 2019 16:25

Tgt Ion: 114 Resp: 879161
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 35.2
 88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.656 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054747.D

Acq: 28 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

EPH-4-8-WC-001

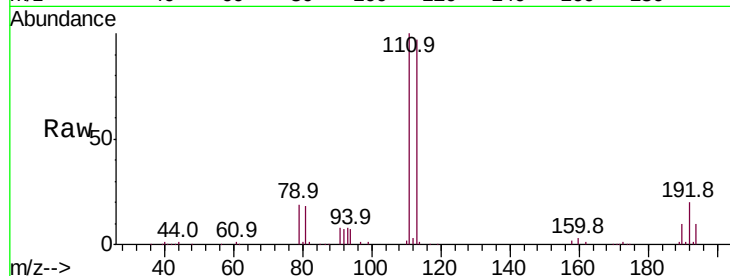
Tot Ion:113 Resp: 275584

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

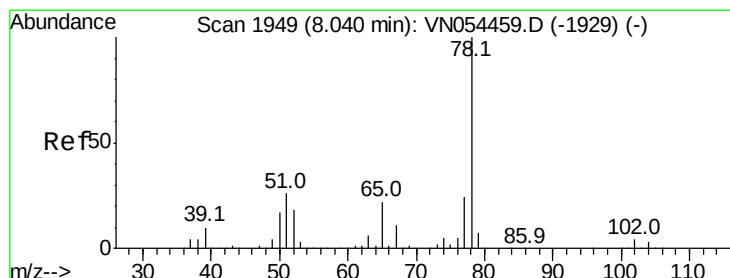
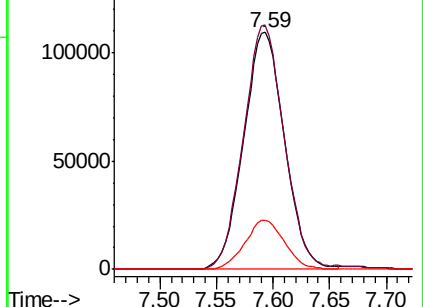
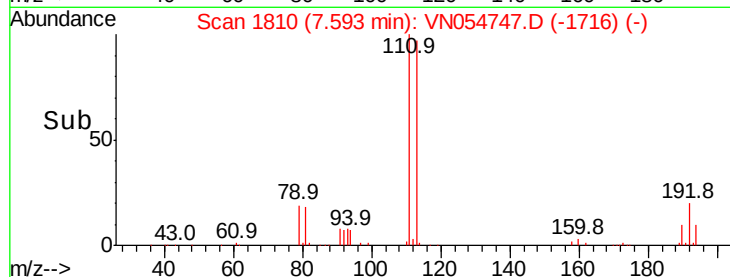
192 20.3 19.2 28.8



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



#40

Benzene

Concen: 8.329 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054747.D

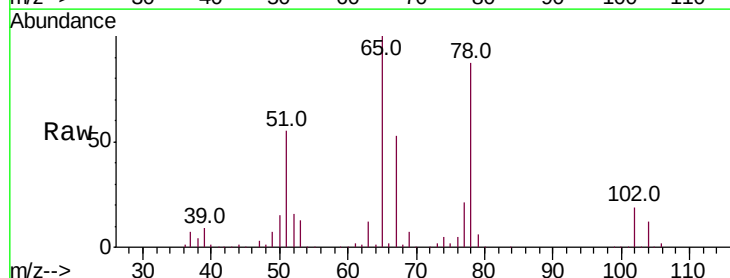
Acq: 28 Mar 2019 16:25

Tgt Ion: 78 Resp: 195774

Ion Ratio Lower Upper

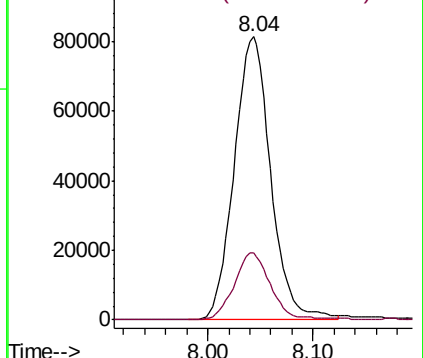
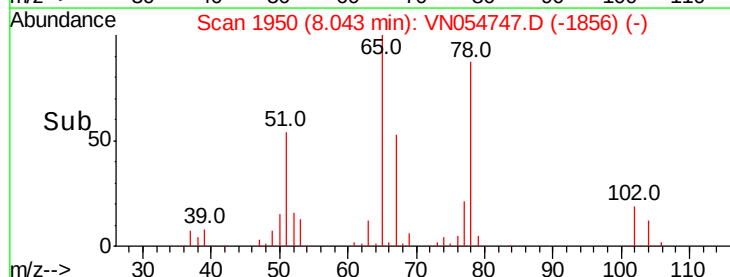
78 100

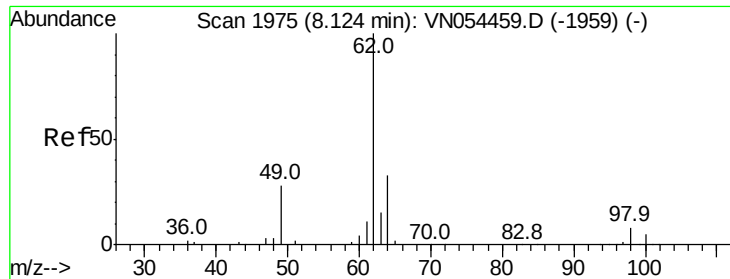
77 23.7 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#42

1,2-Dichloroethane

Concen: 1.926 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054747.D

Acq: 28 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

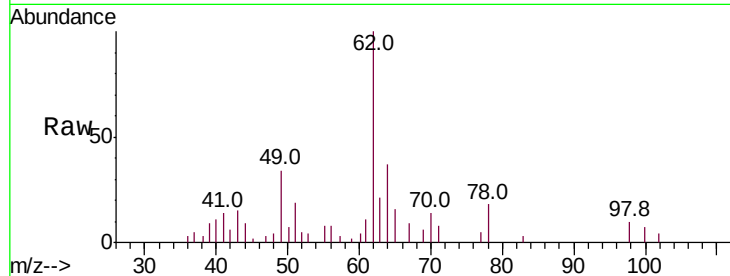
EPH-4-8-WC-001

Tot Ion: 62 Resp: 16490

Ion Ratio Lower Upper

62 100

98 8.9 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

8.12

6000

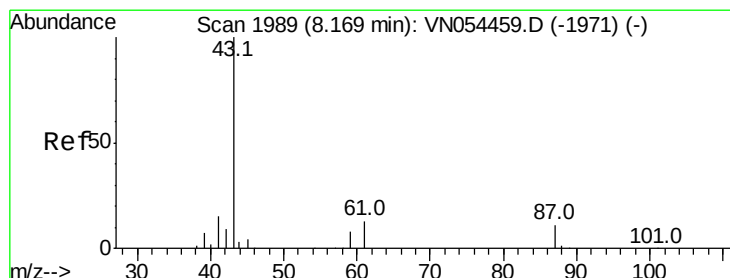
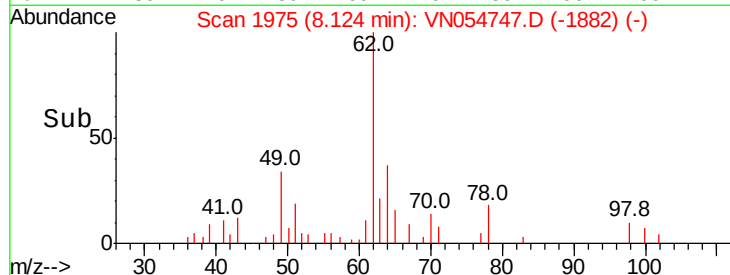
4000

2000

0

8.05 8.10 8.15 8.20

Time-->



#43

Isopropyl Acetate

Concen: 2.064 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN054747.D

Acq: 28 Mar 2019 16:25

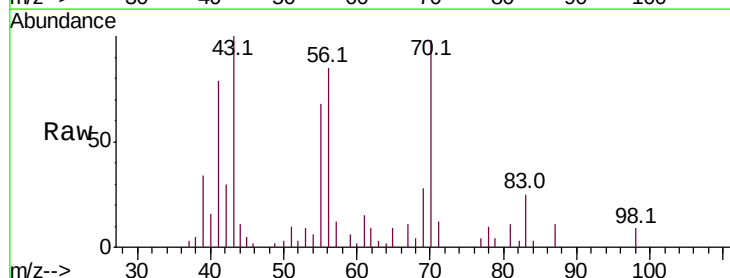
Tgt Ion: 43 Resp: 20384

Ion Ratio Lower Upper

43 100

61 7.1 15.8 23.8#

87 8.6 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

8.17

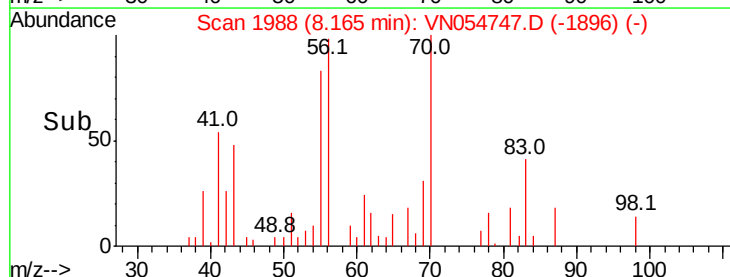
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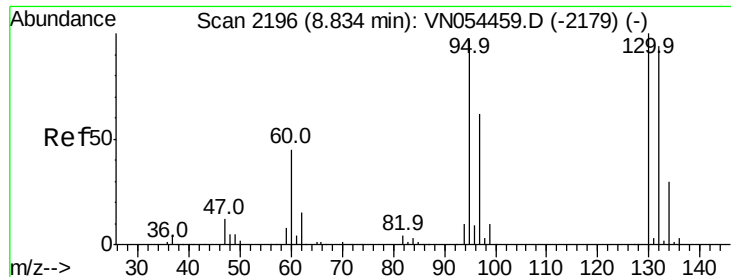
5000

0

8.05 8.10 8.15 8.20

Time-->





#44

Trichloroethene

Concen: 18.384 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054747.D

Acq: 28 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

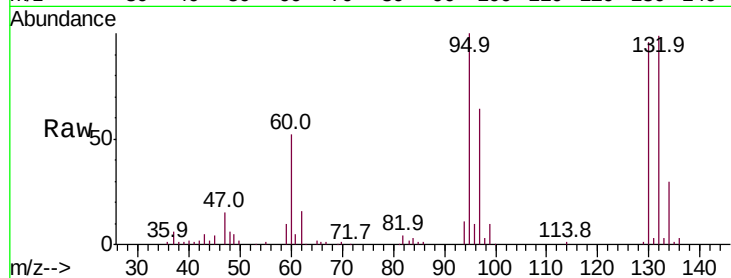
EPH-4-8-WC-001

Tot Ion:130 Resp: 120145

Ion Ratio Lower Upper

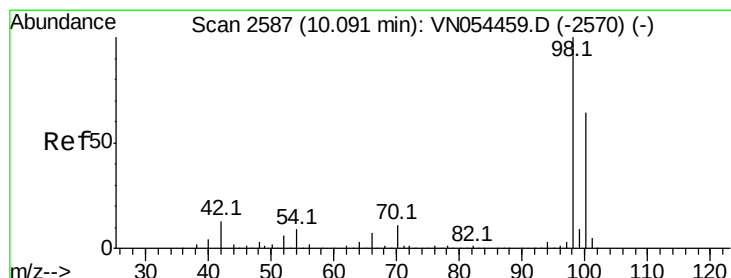
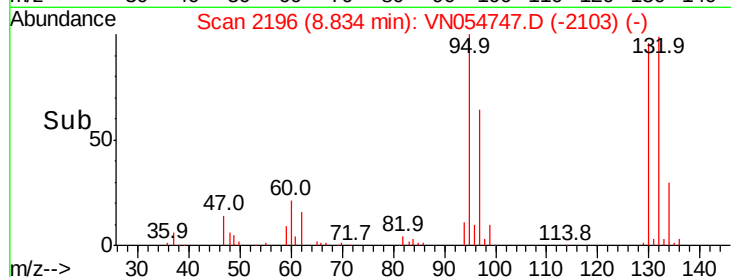
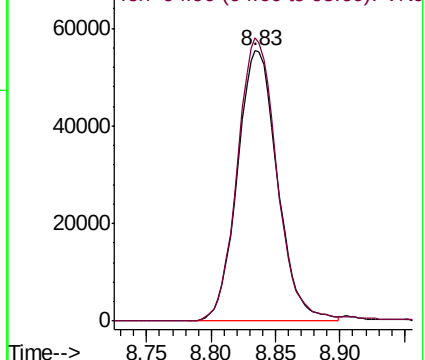
130 100

95 104.7 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 50.084 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054747.D

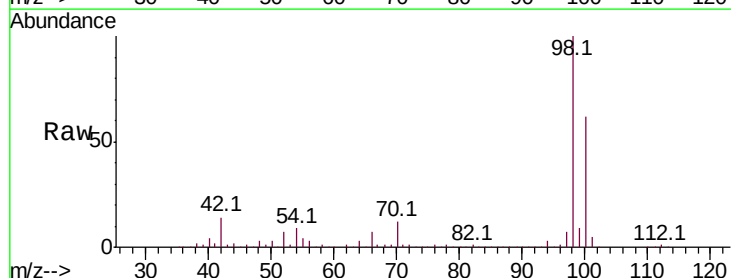
Acq: 28 Mar 2019 16:25

Tgt Ion: 98 Resp: 1066452

Ion Ratio Lower Upper

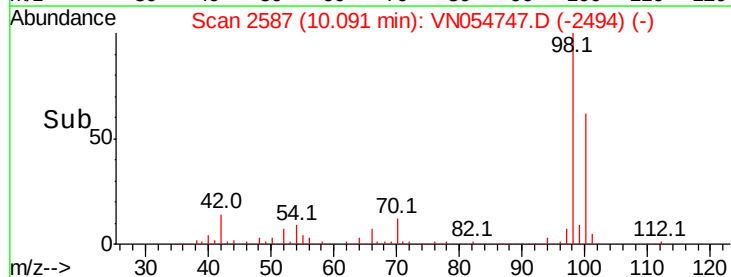
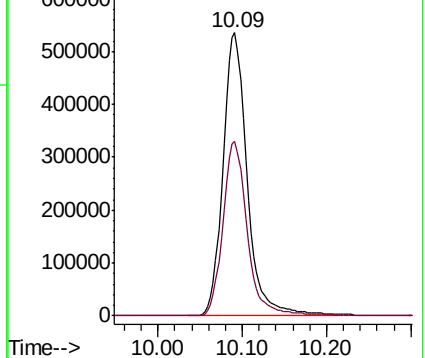
98 100

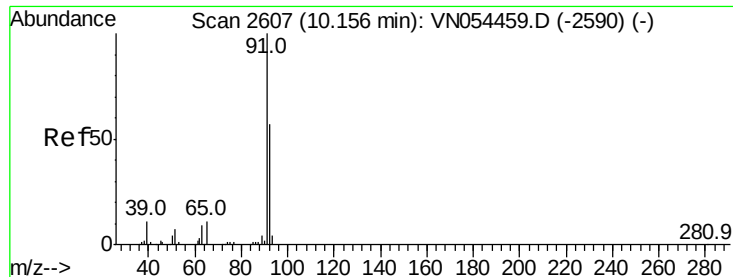
100 62.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#52

Toluene

Concen: 1.516 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054747.D

Acq: 28 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

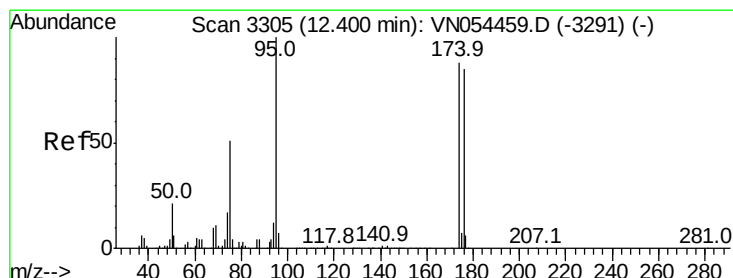
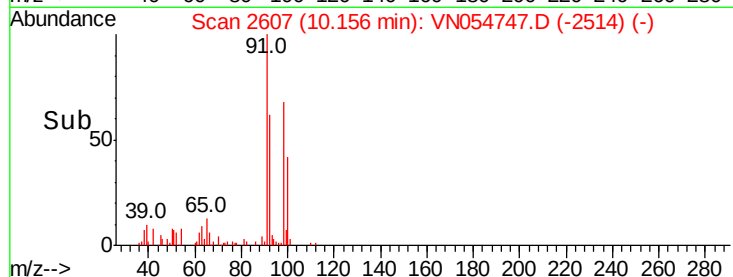
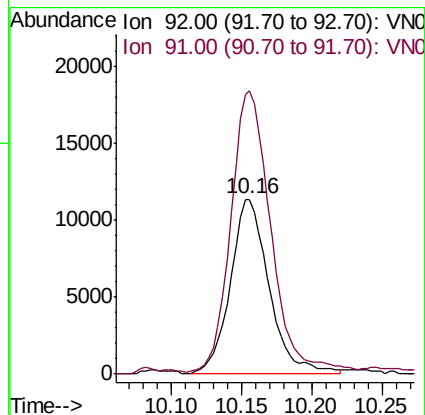
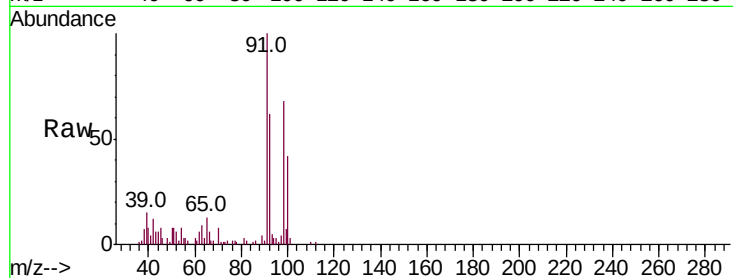
EPH-4-8-WC-001

Tot Ion: 92 Resp: 21914

Ion Ratio Lower Upper

92 100

91 163.8 140.7 211.1



#62

4-Bromofluorobenzene

Concen: 45.700 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054747.D

Acq: 28 Mar 2019 16:25

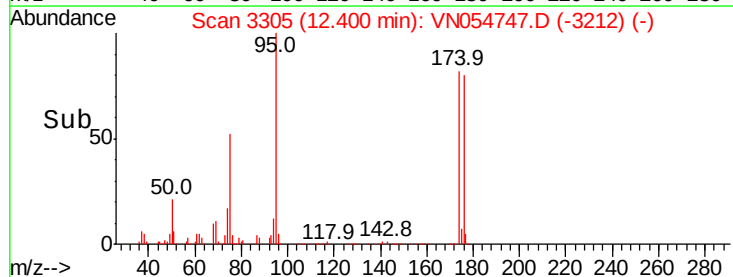
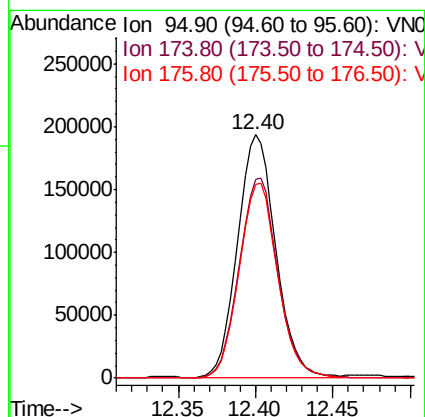
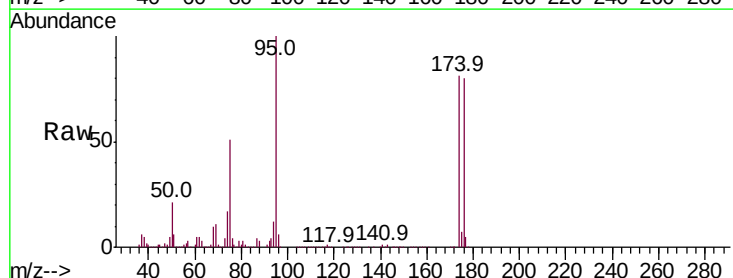
Tgt Ion: 95 Resp: 331130

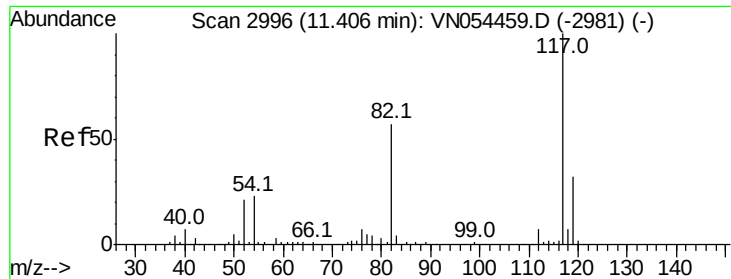
Ion Ratio Lower Upper

95 100

174 83.8 0.0 191.0

176 81.4 0.0 187.4

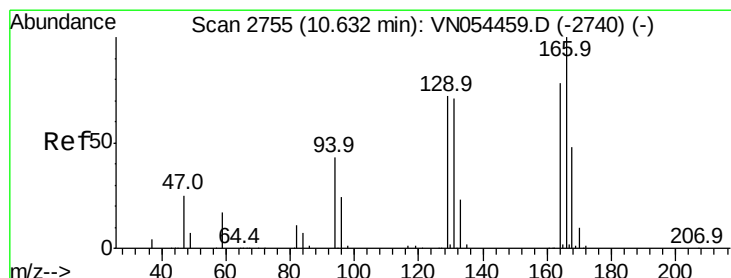
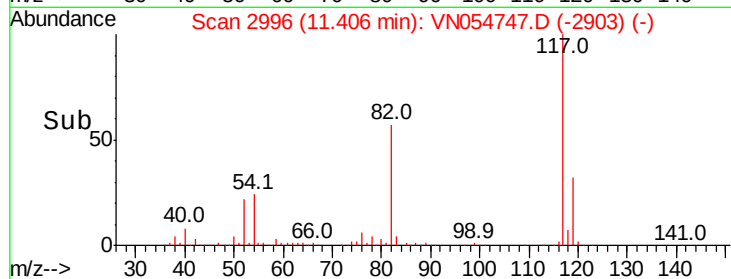
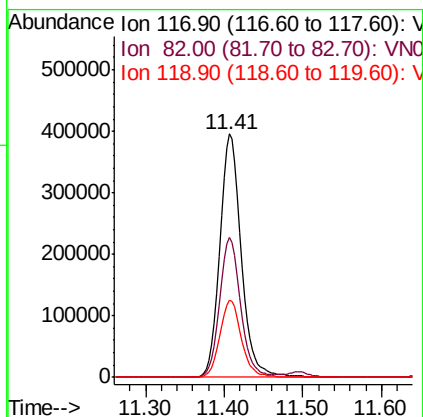
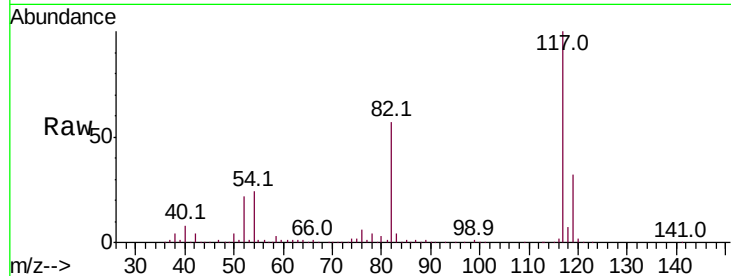




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN054747.D
 Acq: 28 Mar 2019 16:25

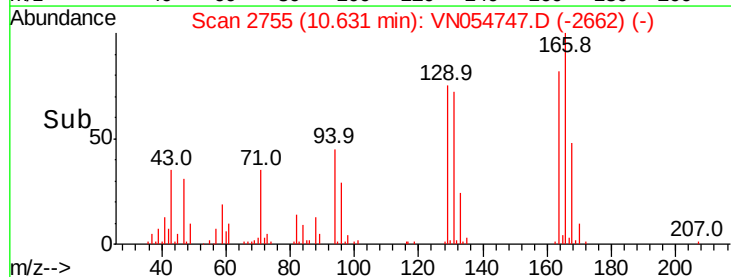
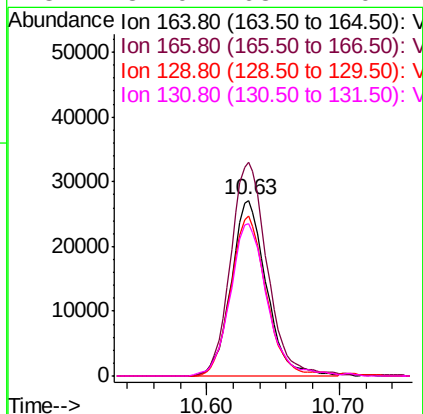
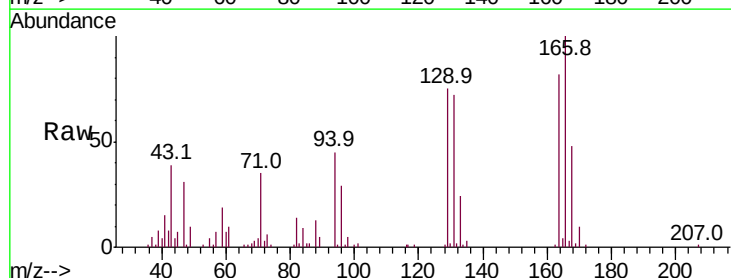
Instrument :
 MSVOA_N
 ClientSampled :
 EPH-4-8-WC-001

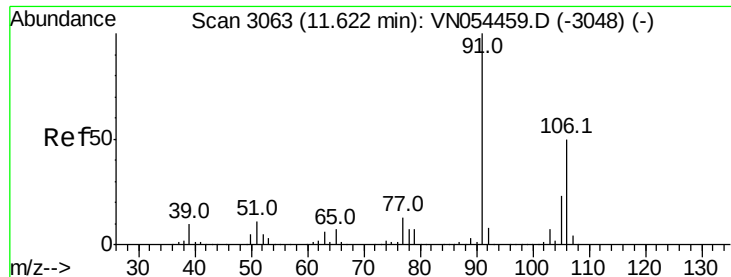
Tot Ion:117 Resp: 742035
 Ion Ratio Lower Upper
 117 100
 82 57.2 40.0 60.0
 119 31.5 25.8 38.6



#64
 Tetrachloroethene
 Concen: 8.116 ug/l
 RT: 10.63 min Scan# 2755
 Delta R.T. -0.00 min
 Lab File: VN054747.D
 Acq: 28 Mar 2019 16:25

Tgt Ion:164 Resp: 49951
 Ion Ratio Lower Upper
 164 100
 166 121.5 103.9 155.9
 129 90.9 71.1 106.7
 131 87.0 68.2 102.4

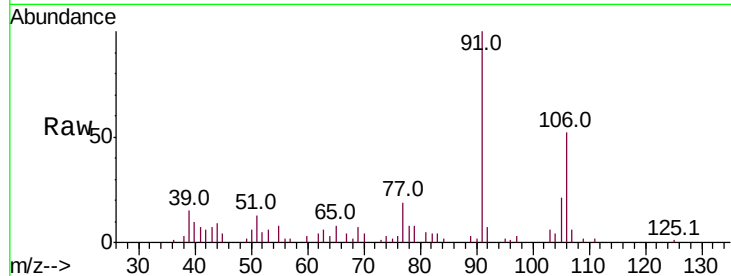




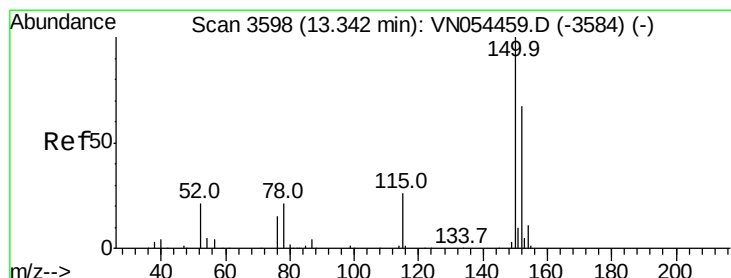
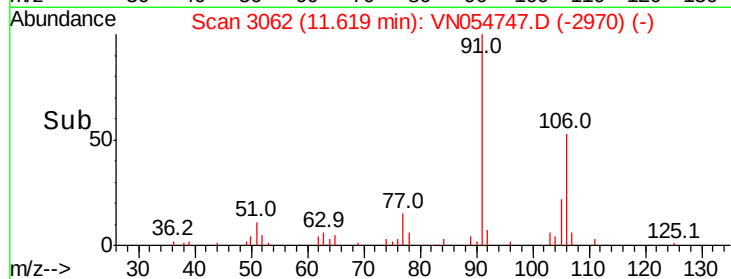
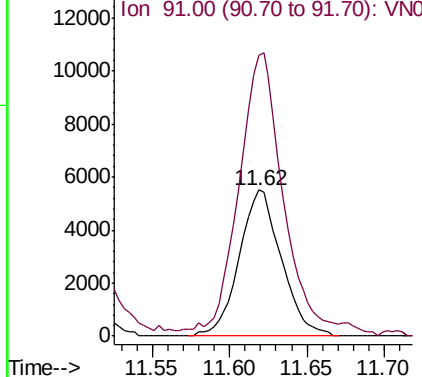
#68
m/p-Xylenes
Concen: 1.037 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054747.D
Acq: 28 Mar 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
EPH-4-8-WC-001

Tot Ion:106 Resp: 10472
Ion Ratio Lower Upper
106 100
91 193.8 159.4 239.2

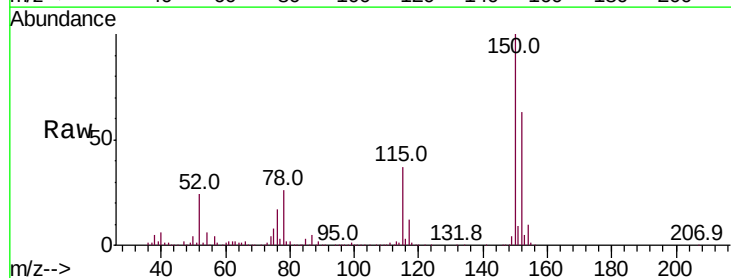


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

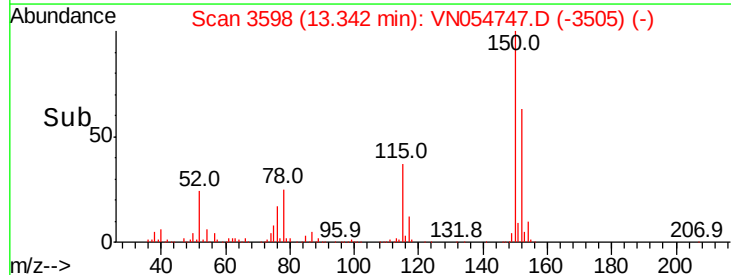
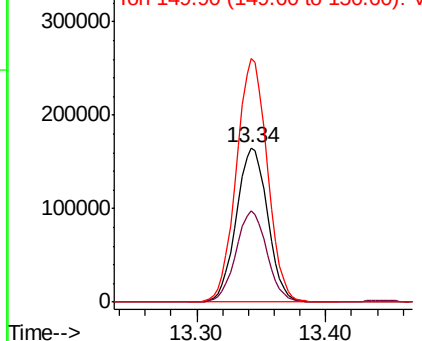


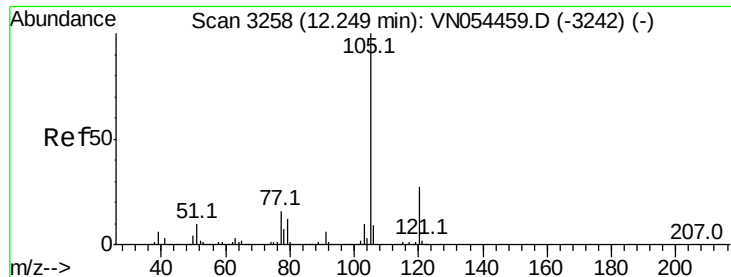
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054747.D
Acq: 28 Mar 2019 16:25

Tgt Ion:152 Resp: 279242
Ion Ratio Lower Upper
152 100
115 57.9 27.2 81.6
150 156.2 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: 2.841 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054747.D

Acq: 28 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

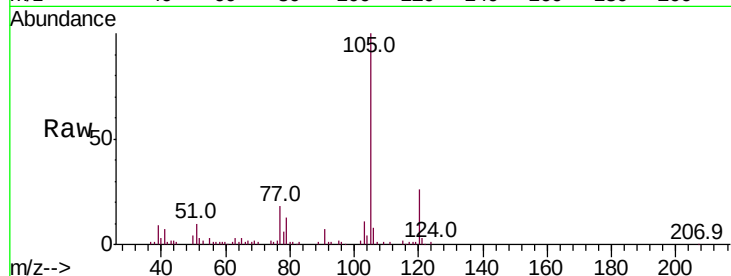
EPH-4-8-WC-001

Tot Ion:105 Resp: 63924

Ion Ratio Lower Upper

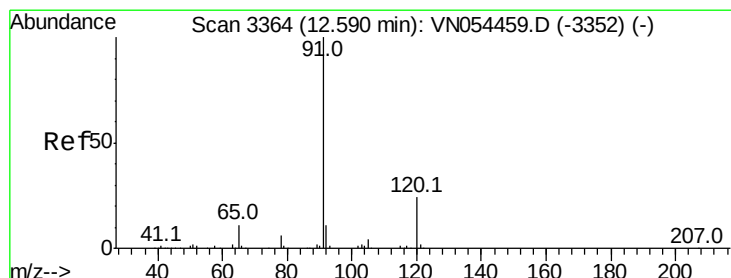
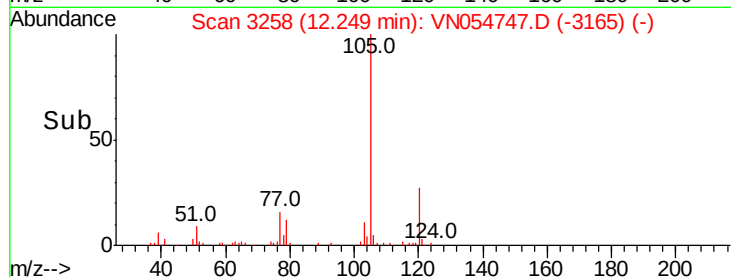
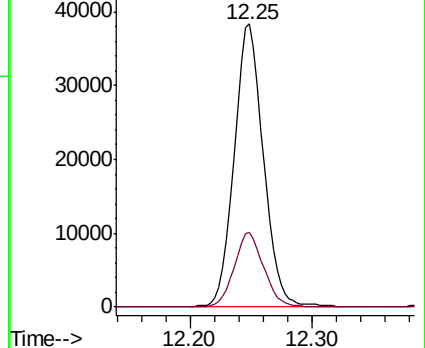
105 100

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: 1.424 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054747.D

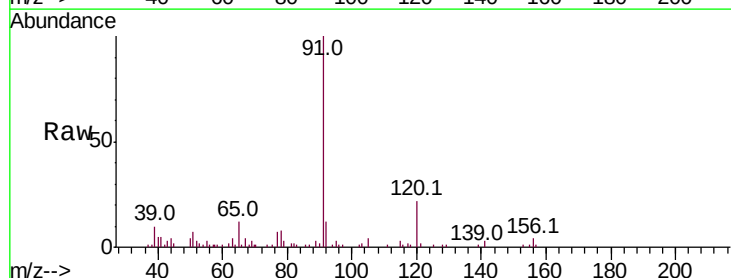
Acq: 28 Mar 2019 16:25

Tgt Ion: 91 Resp: 34748

Ion Ratio Lower Upper

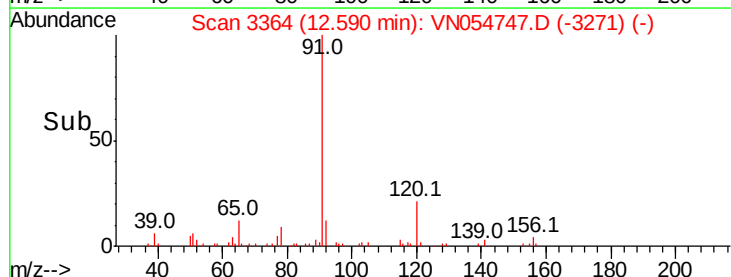
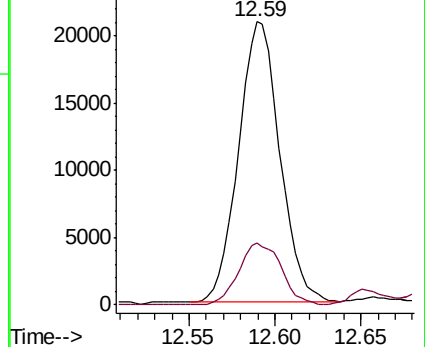
91 100

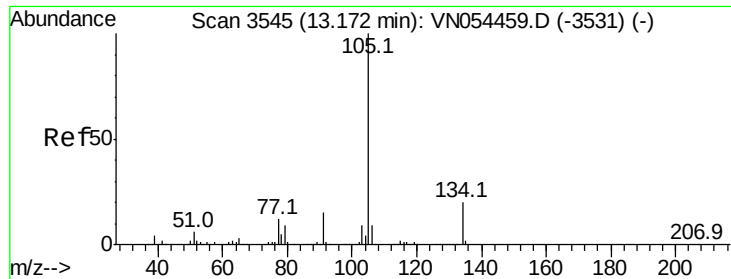
120 22.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#85
 sec-Butylbenzene
 Concen: 2.405 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054747.D
 Acq: 28 Mar 2019 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 EPH-4-8-WC-001

Tot Ion:105 Resp: 48120
 Ion Ratio Lower Upper
 105 100
 134 28.3 10.7 32.1

