

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054647.D
 Acq On : 24 Mar 2019 14:48
 Operator : JC/SP
 Sample : K2047-09
 Misc : 6.49g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB445-190320-(23-25)

Quant Time: Mar 25 07:17:13 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	7.66	168	539831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	862477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	762297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	342551	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	346460	51.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.20%	
35) Dibromofluoromethane	7.59	113	257747	46.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.78%	
50) Toluene-d8	10.09	98	1048670	50.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.40	95	350146	49.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.52%	

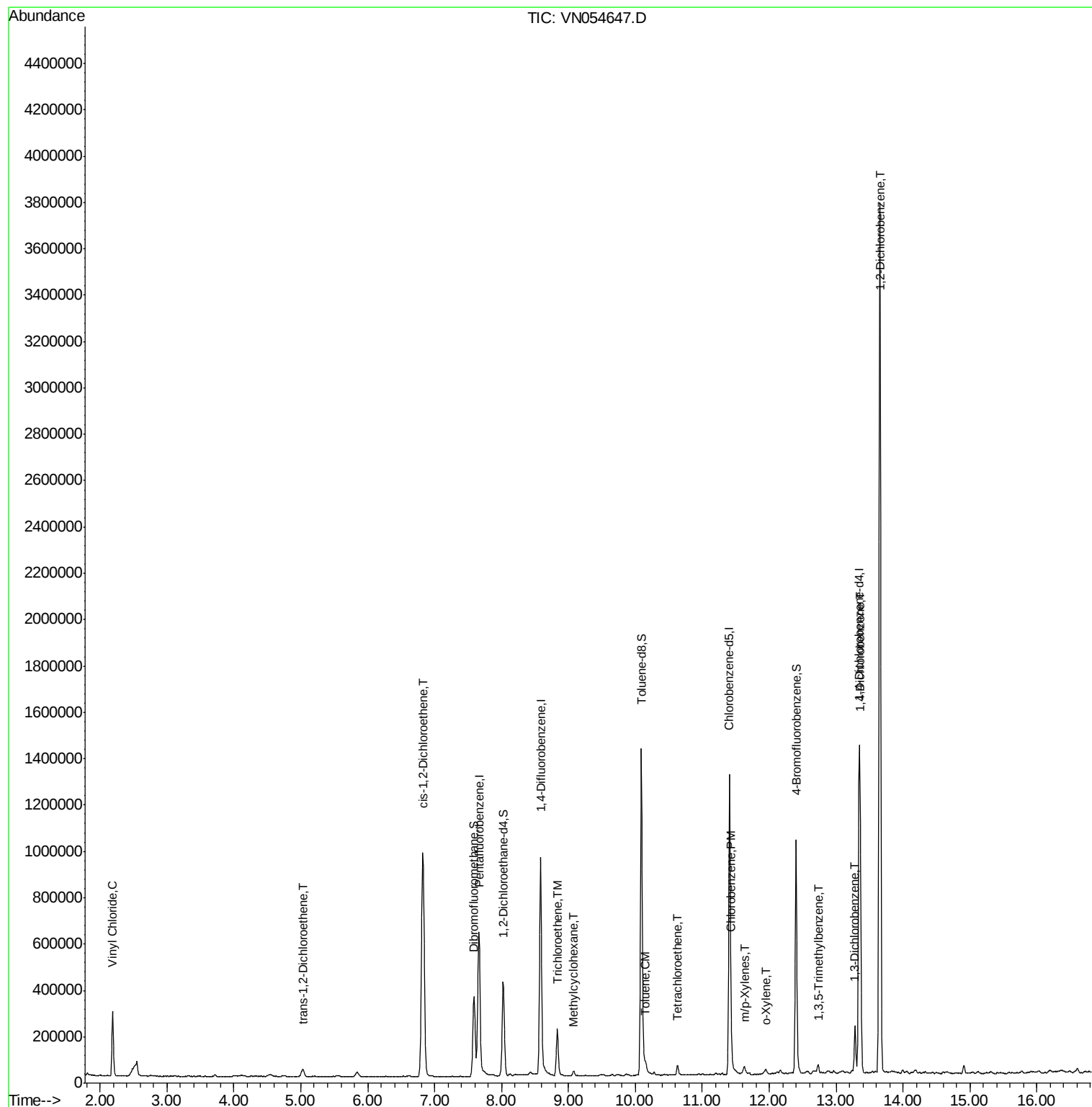
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	254433	36.092	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	20030	3.767	ug/l	94
27) cis-1,2-Dichloroethene	6.82	96	621420	97.989	ug/l	97
39) Methylcyclohexane	9.07	83	7539	0.817	ug/l #	84
44) Trichloroethene	8.83	130	74409	11.606	ug/l	90
52) Toluene	10.16	92	8554	0.603	ug/l	97
64) Tetrachloroethene	10.63	164	10406	1.646	ug/l	94
65) Chlorobenzene	11.44	112	39272	2.533	ug/l	98
68) m/p-Xylenes	11.63	106	6509	0.627	ug/l	79
69) o-Xylene	11.95	106	5667	0.559	ug/l	87
80) 1,3,5-Trimethylbenzene	12.73	105	10021	0.443	ug/l	84
87) 1,3-Dichlorobenzene	13.28	146	84164	7.419	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	312774	28.335	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1619871	147.413	ug/l	97

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054647.D

Acq: 24 Mar 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

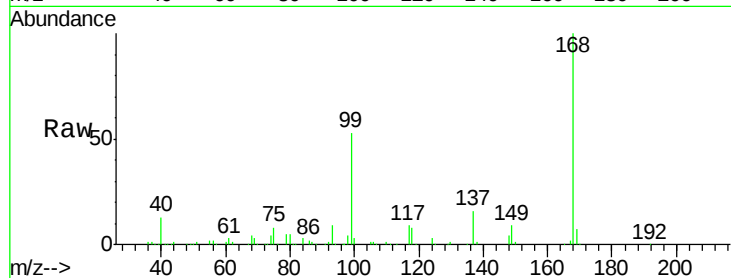
WP022SB445-190320-(23-25)

Tot Ion:168 Resp: 539831

Ion Ratio Lower Upper

168 100

99 52.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

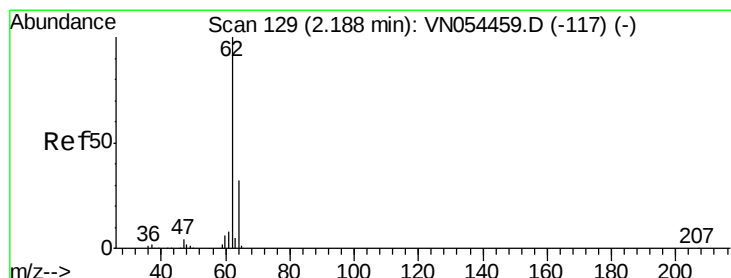
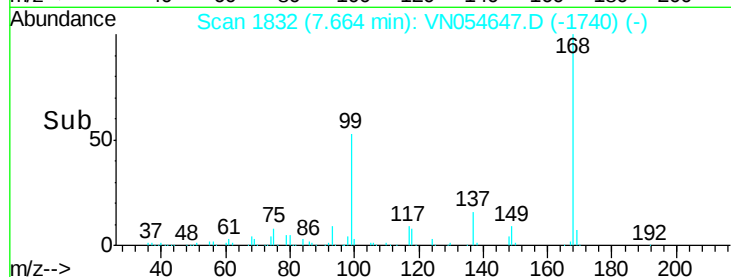
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 36.092 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054647.D

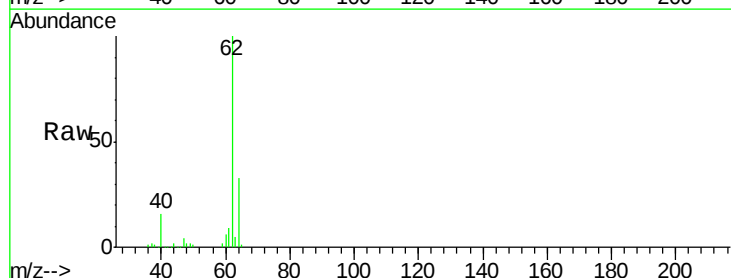
Acq: 24 Mar 2019 14:48

Tgt Ion: 62 Resp: 254433

Ion Ratio Lower Upper

62 100

64 33.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

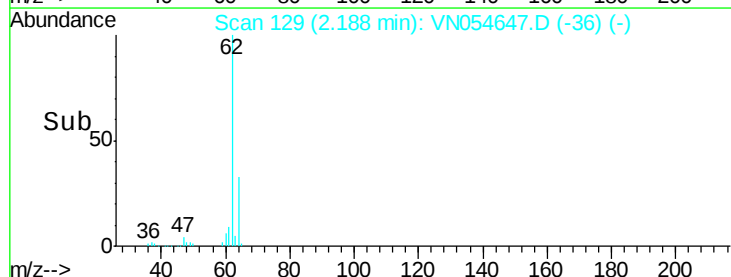
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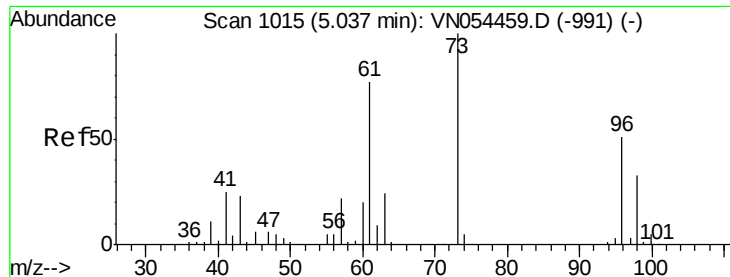
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 3.767 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VN054647.D

Acq: 24 Mar 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

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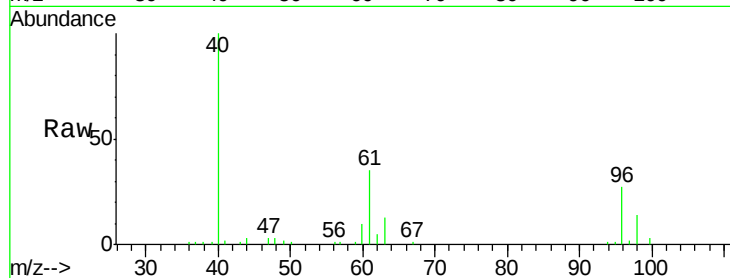
Tot Ion: 96 Resp: 20030

Ion Ratio Lower Upper

96 100

61 126.5 102.8 154.2

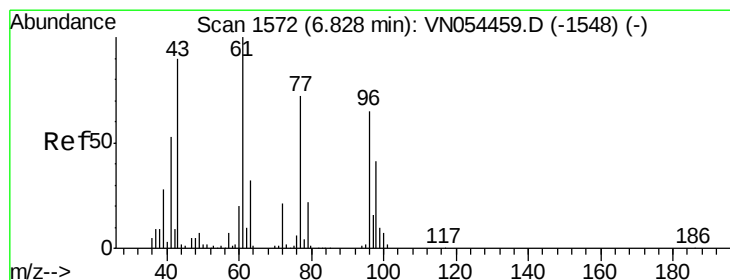
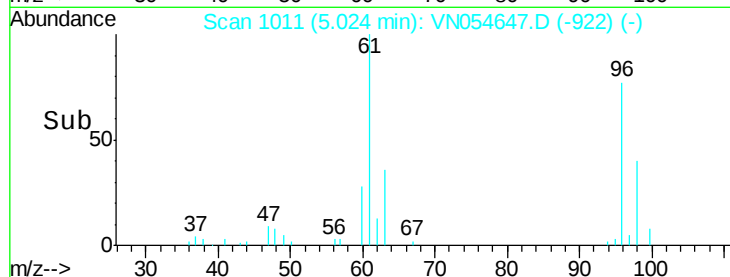
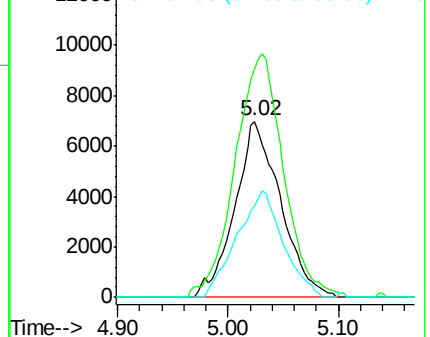
98 52.0 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 97.989 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054647.D

Acq: 24 Mar 2019 14:48

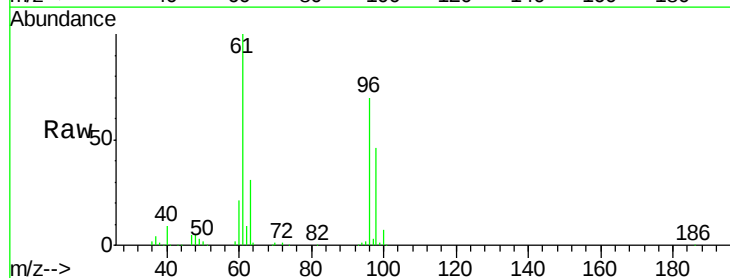
Tgt Ion: 96 Resp: 621420

Ion Ratio Lower Upper

96 100

61 141.8 0.0 273.0

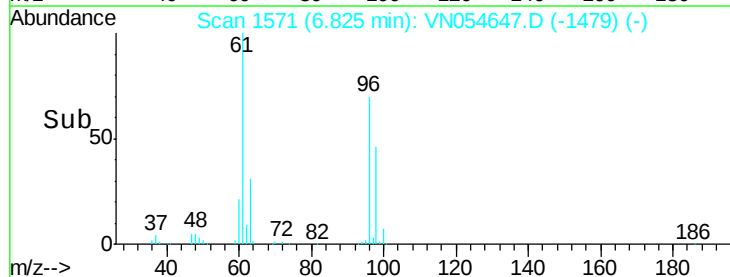
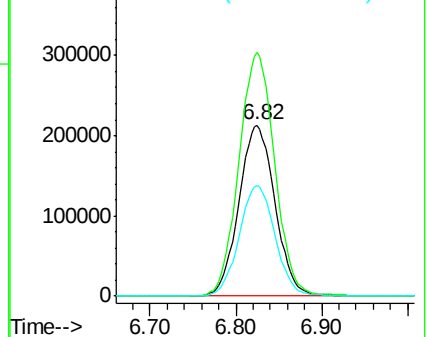
98 64.4 0.0 130.6

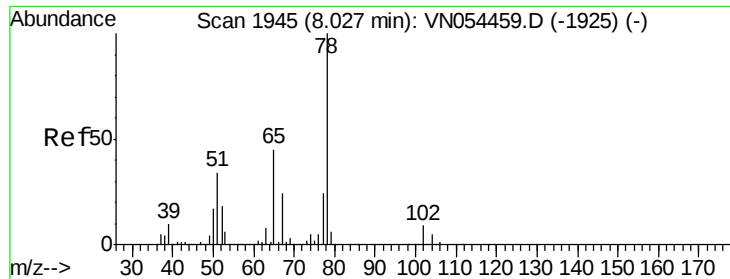


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

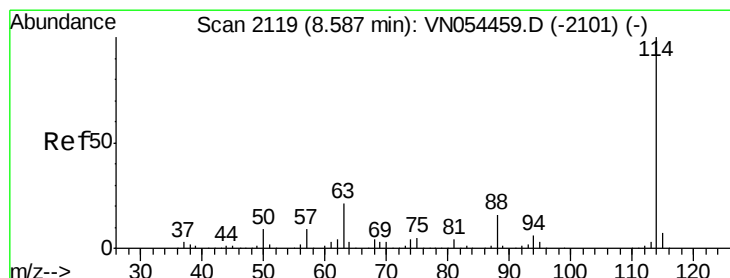
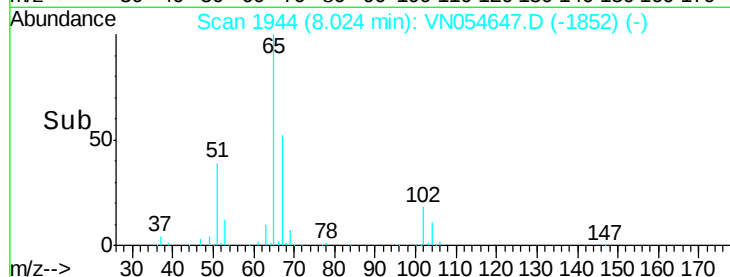
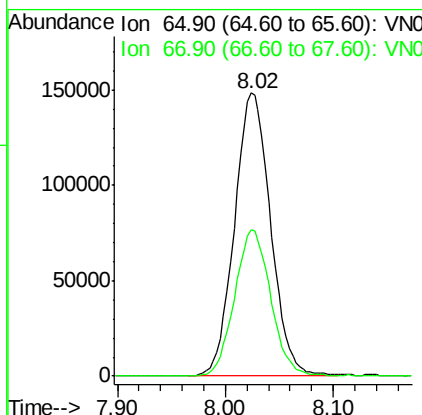
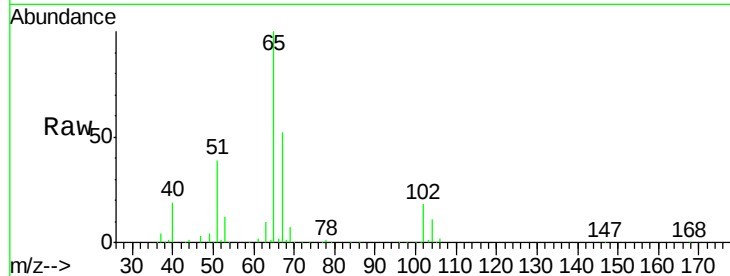




#33
 1,2-Dichloroethane-d4
 Concen: 51.598 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054647.D
 Acq: 24 Mar 2019 14:48

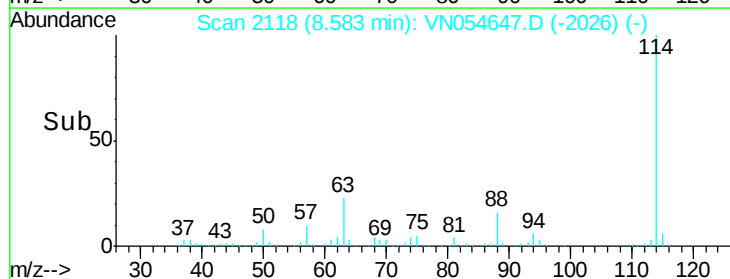
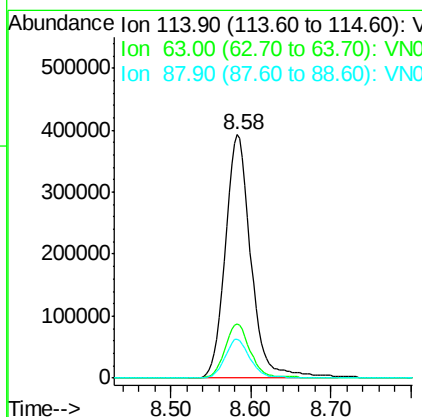
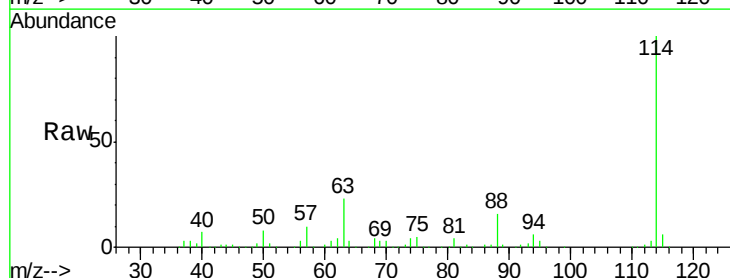
Instrument :
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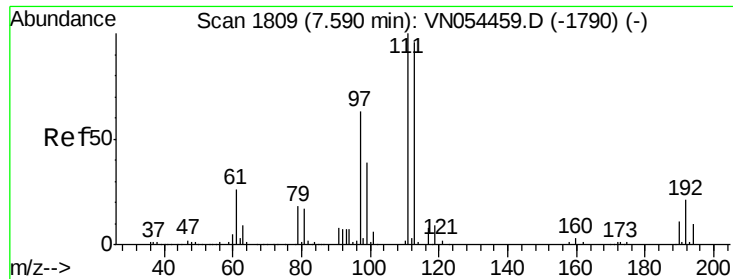
Tot Ion: 65 Resp: 346460
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054647.D
 Acq: 24 Mar 2019 14:48

Tgt Ion: 114 Resp: 862477
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 35.2
 88 16.1 0.0 30.2

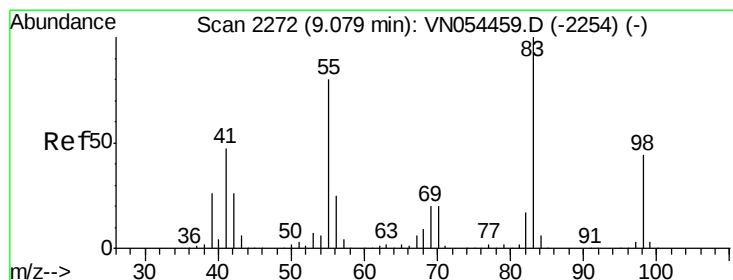
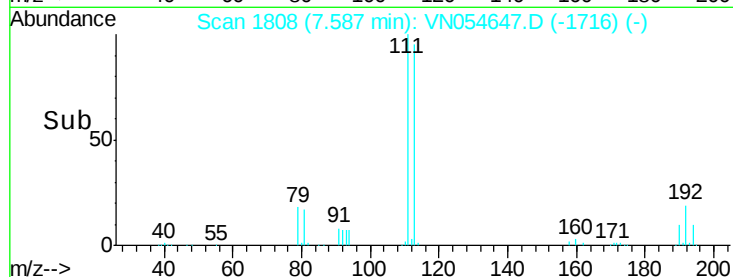
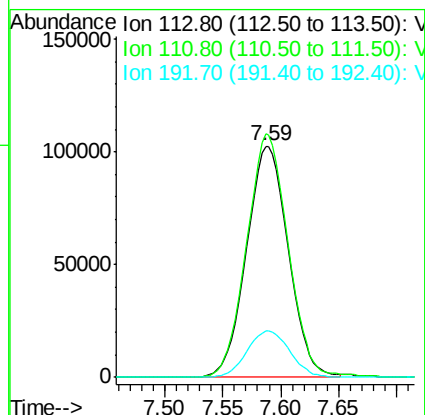
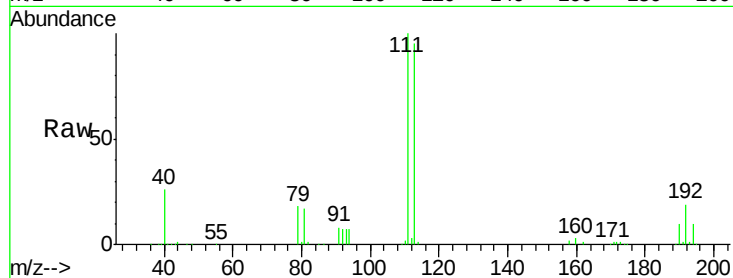




#35
Dibromofluoromethane
Concen: 46.387 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN054647.D
Acq: 24 Mar 2019 14:48

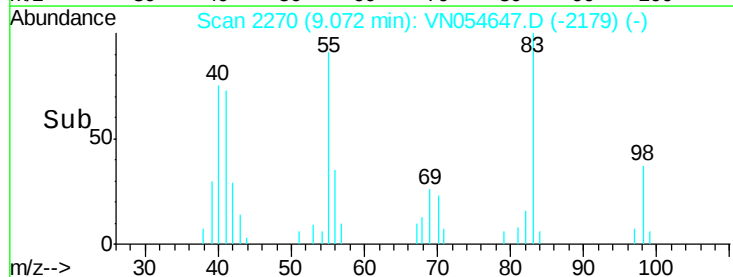
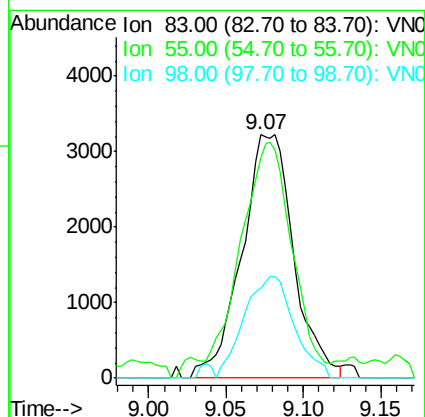
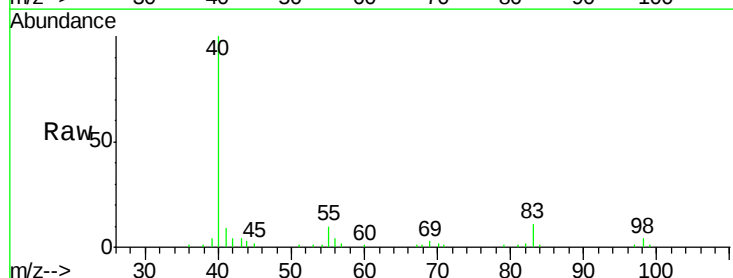
Instrument :
MSVOA_N
ClientSampleId :
WP022SB445-190320-(23-25)

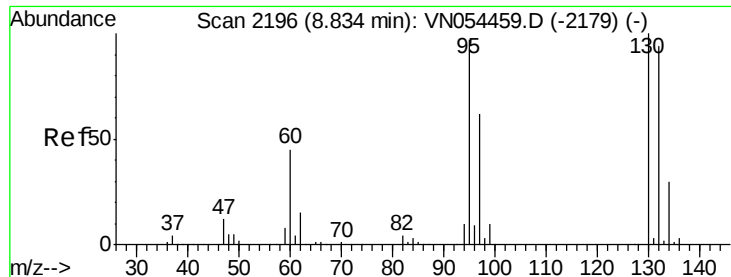
Tot Ion:113 Resp: 257747
Ion Ratio Lower Upper
113 100
111 104.6 82.2 123.4
192 20.6 19.2 28.8



#39
Methylcyclohexane
Concen: 0.817 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VN054647.D
Acq: 24 Mar 2019 14:48

Tgt Ion: 83 Resp: 7539
Ion Ratio Lower Upper
83 100
55 84.0 56.6 84.8
98 36.8 38.4 57.6#

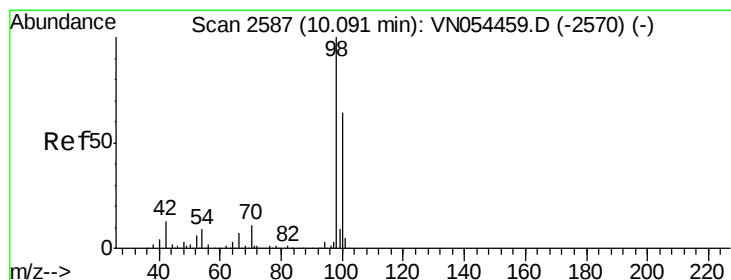
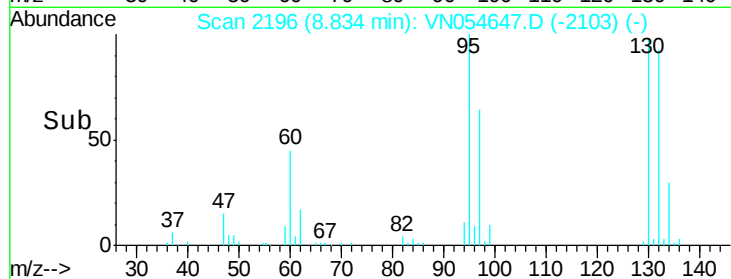
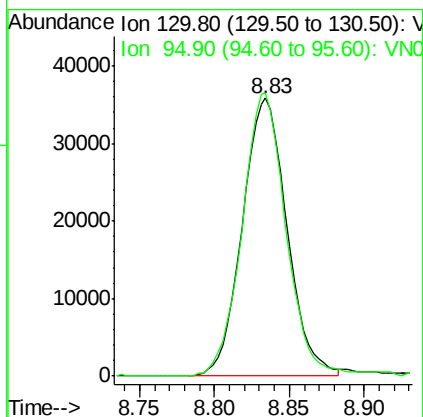
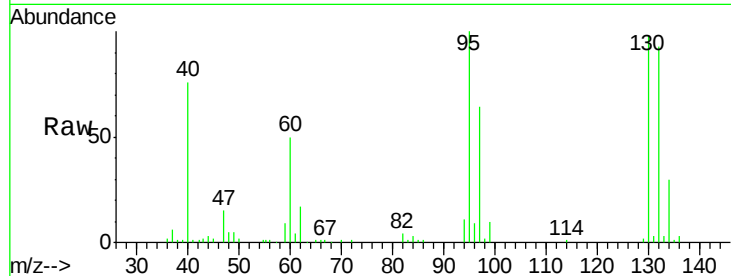




#44
 Trichloroethene
 Concen: 11.606 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054647.D
 Acq: 24 Mar 2019 14:48

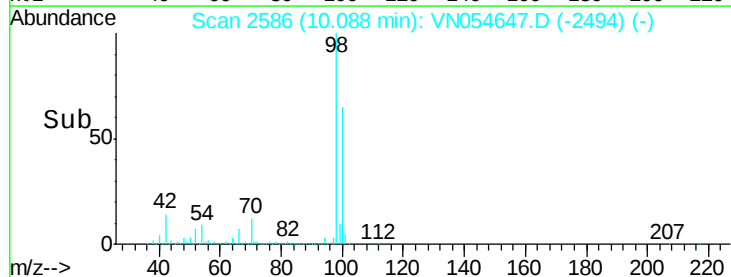
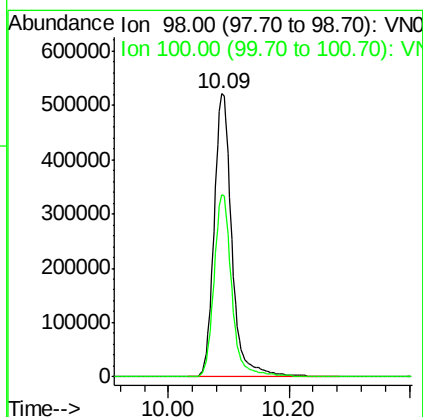
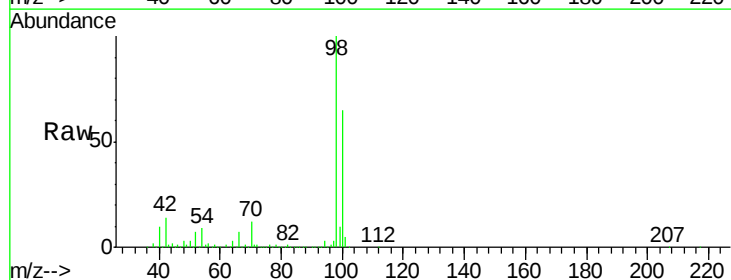
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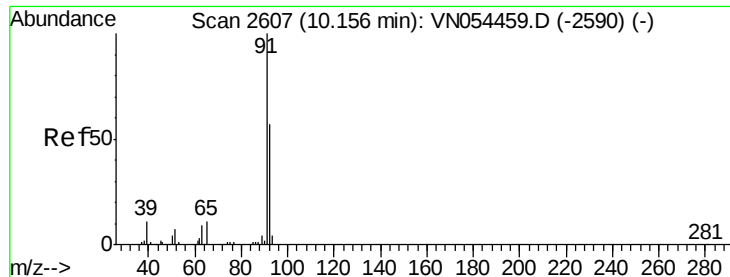
Tot Ion:130 Resp: 74409
 Ion Ratio Lower Upper
 130 100
 95 101.9 0.0 185.2



#50
 Toluene-d8
 Concen: 50.202 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN054647.D
 Acq: 24 Mar 2019 14:48

Tgt Ion: 98 Resp: 1048670
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.2 76.8





#52

Toluene

Concen: 0.603 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054647.D

Acq: 24 Mar 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

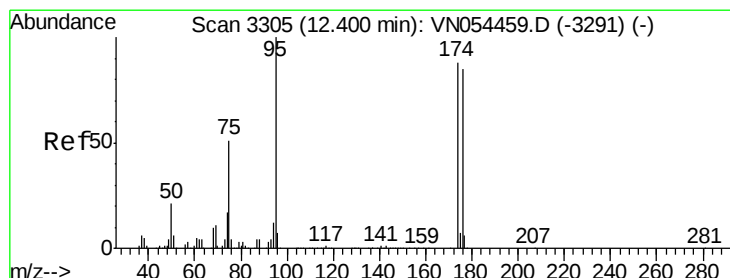
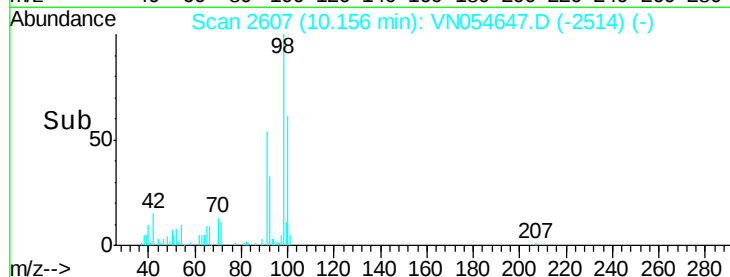
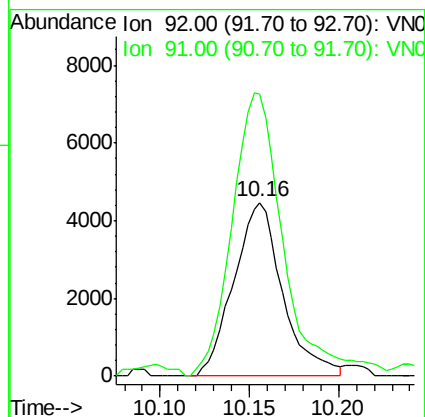
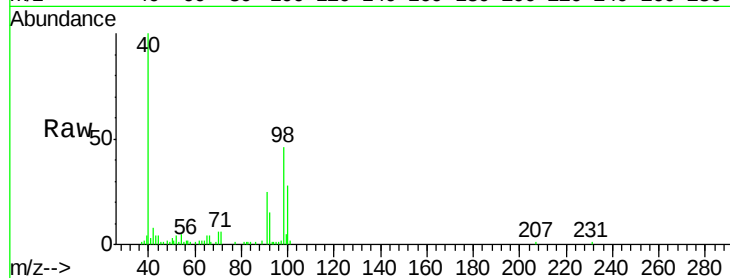
WP022SB445-190320-(23-25)

Tot Ion: 92 Resp: 8554

Ion Ratio Lower Upper

92 100

91 171.8 140.7 211.1



#62

4-Bromofluorobenzene

Concen: 49.260 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054647.D

Acq: 24 Mar 2019 14:48

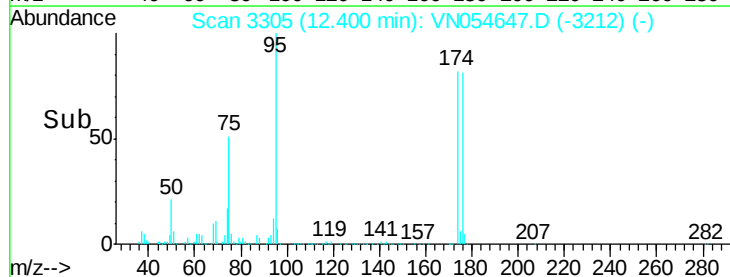
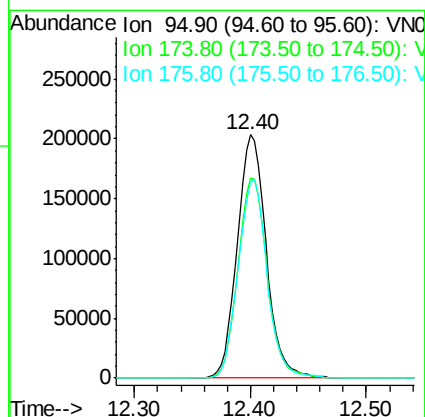
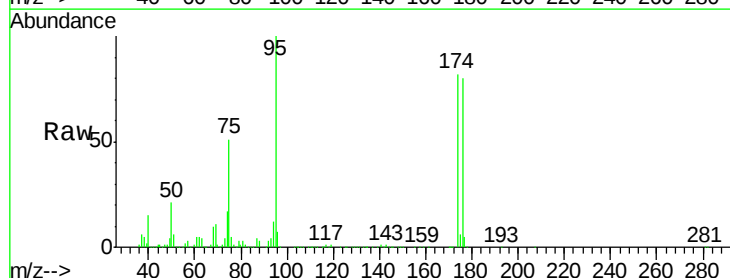
Tgt Ion: 95 Resp: 350146

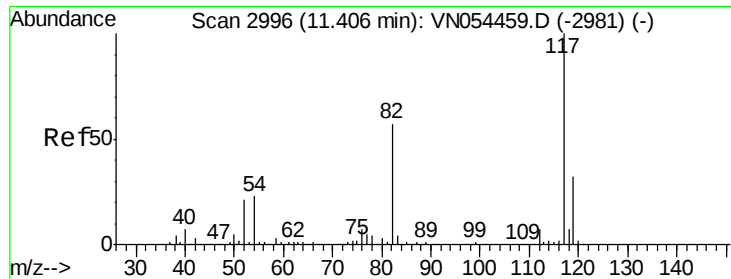
Ion Ratio Lower Upper

95 100

174 83.4 0.0 191.0

176 82.3 0.0 187.4

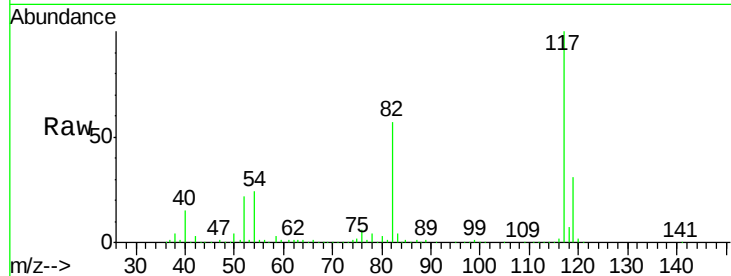




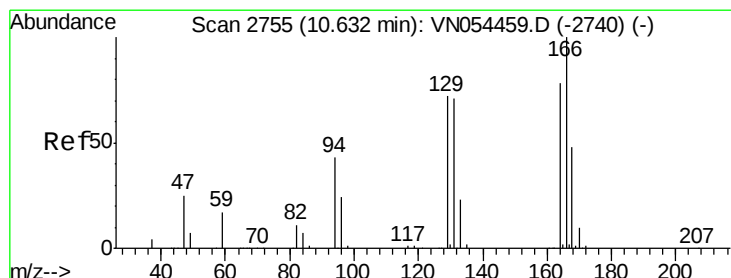
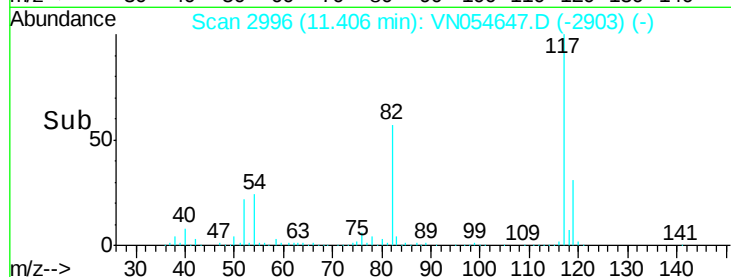
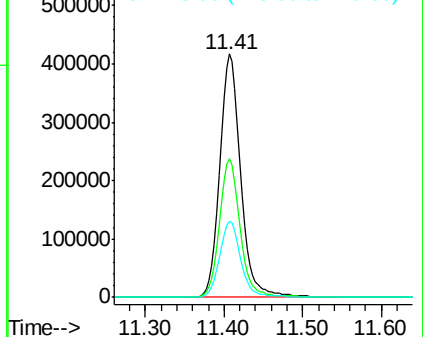
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054647.D
Acq: 24 Mar 2019 14:48

Instrument :
MSVOA_N
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WP022SB445-190320-(23-25)

Tot Ion:117 Resp: 762297
Ion Ratio Lower Upper
117 100
82 57.1 40.0 60.0
119 31.4 25.8 38.6

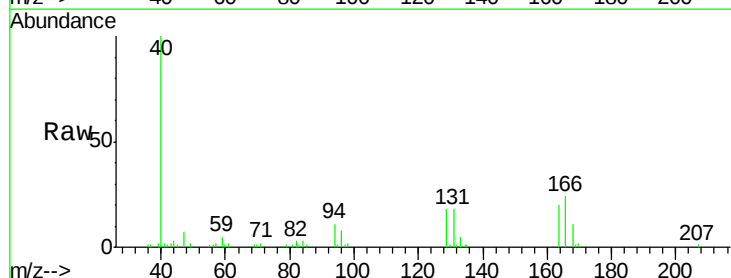


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

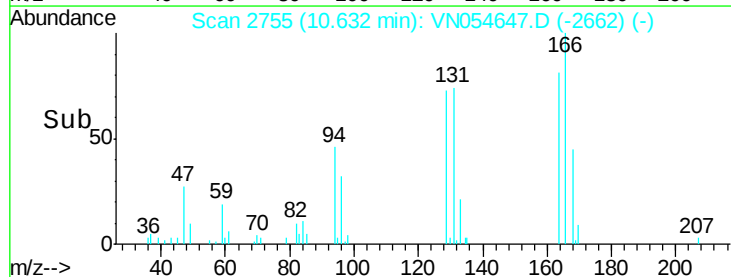
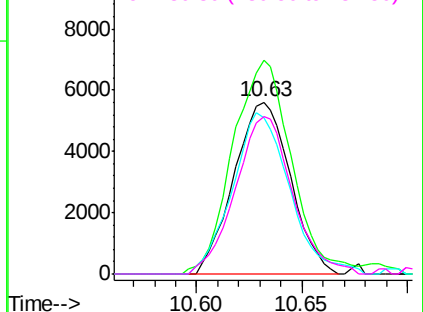


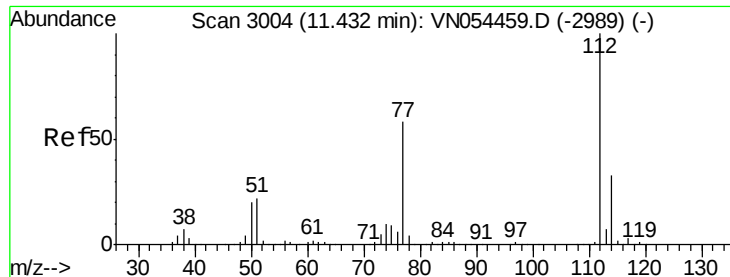
#64
Tetrachloroethene
Concen: 1.646 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054647.D
Acq: 24 Mar 2019 14:48

Tgt Ion:164 Resp: 10406
Ion Ratio Lower Upper
164 100
166 121.1 103.9 155.9
129 90.7 71.1 106.7
131 91.5 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

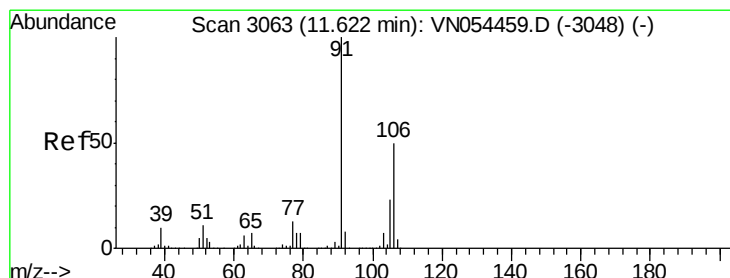
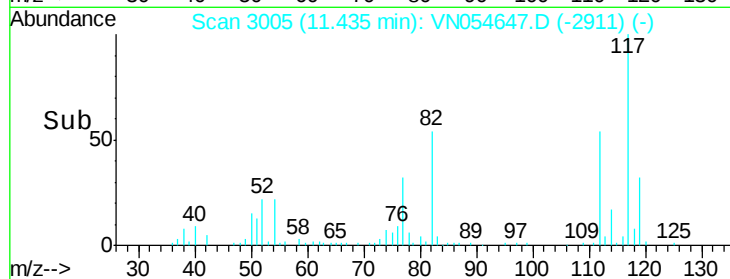
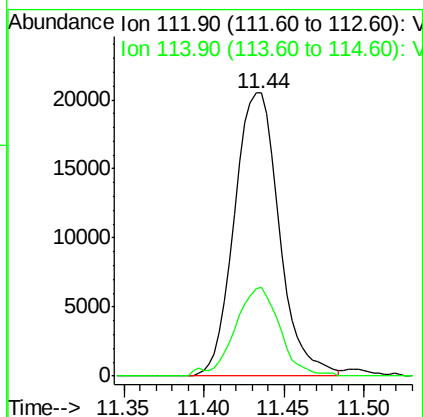
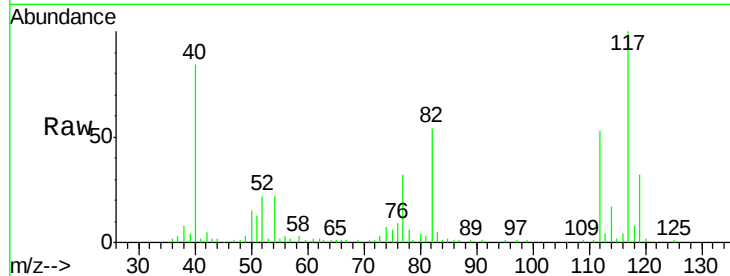




#65
Chlorobenzene
Concen: 2.533 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054647.D
Acq: 24 Mar 2019 14:48

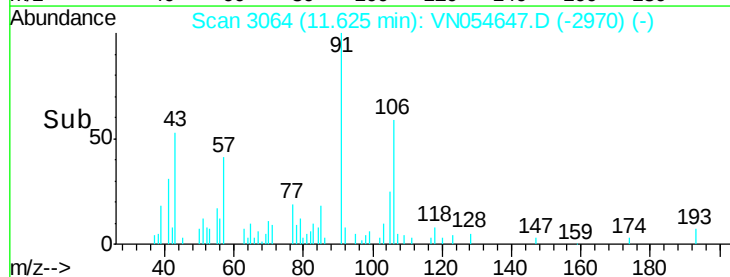
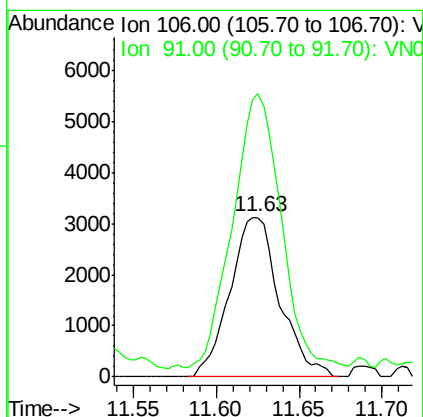
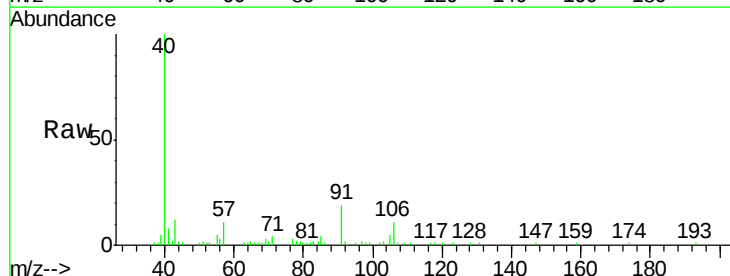
Instrument :
MSVOA_N
ClientSampleId :
WP022SB445-190320-(23-25)

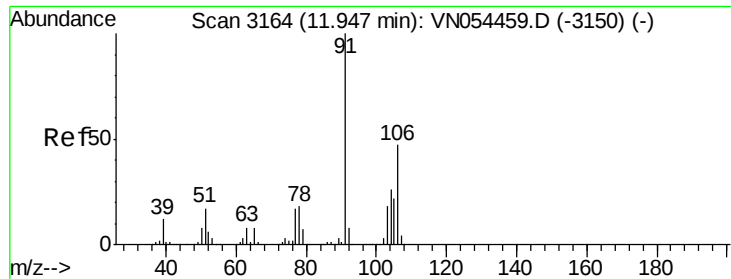
Tot Ion:112 Resp: 39272
Ion Ratio Lower Upper
112 100
114 31.3 25.9 38.9



#68
m/p-Xylenes
Concen: 0.627 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN054647.D
Acq: 24 Mar 2019 14:48

Tgt Ion:106 Resp: 6509
Ion Ratio Lower Upper
106 100
91 167.0 159.4 239.2





#69

o-Xylene

Concen: 0.559 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054647.D

Acq: 24 Mar 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

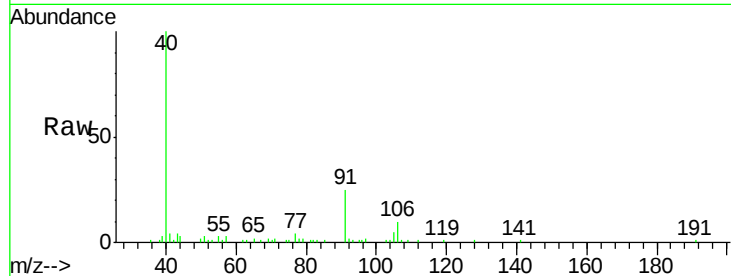
WP022SB445-190320-(23-25)

Tot Ion:106 Resp: 5667

Ion Ratio Lower Upper

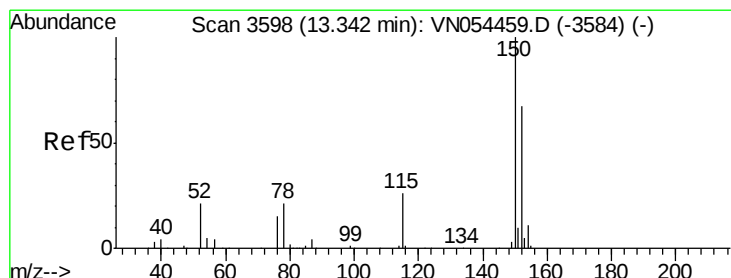
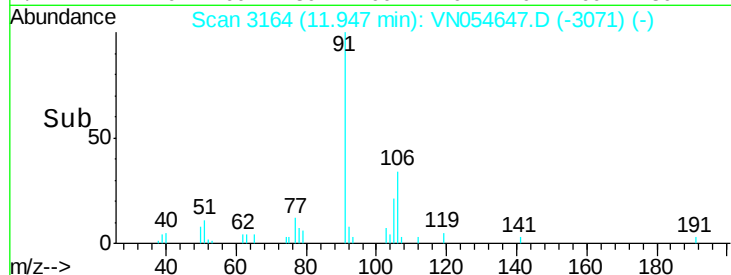
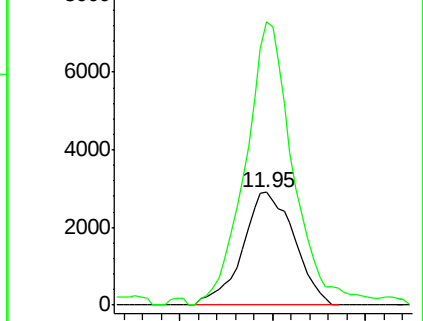
106 100

91 231.7 105.7 317.1



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: VN054647.D

Acq: 24 Mar 2019 14:48

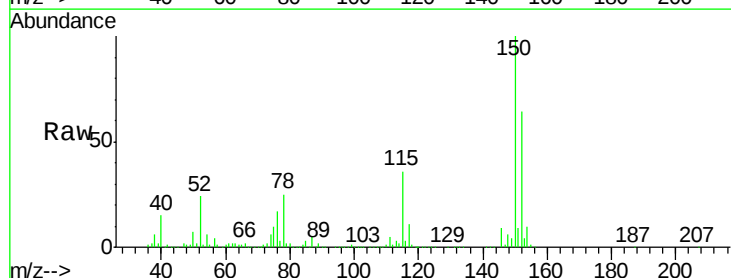
Tgt Ion:152 Resp: 342551

Ion Ratio Lower Upper

152 100

115 56.7 27.2 81.6

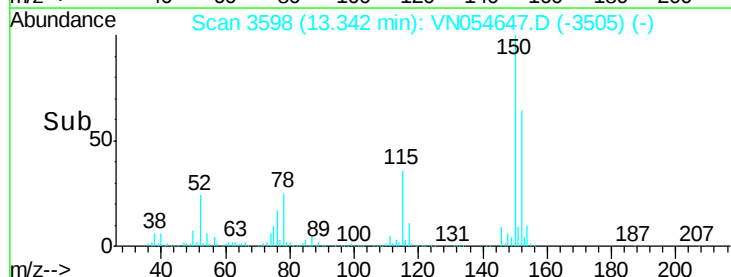
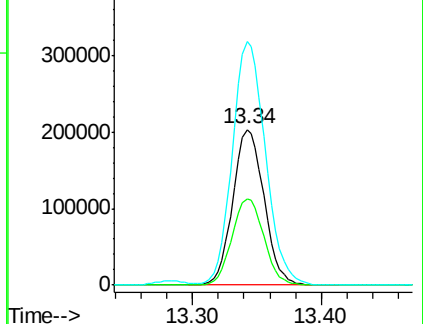
150 165.3 0.0 349.2

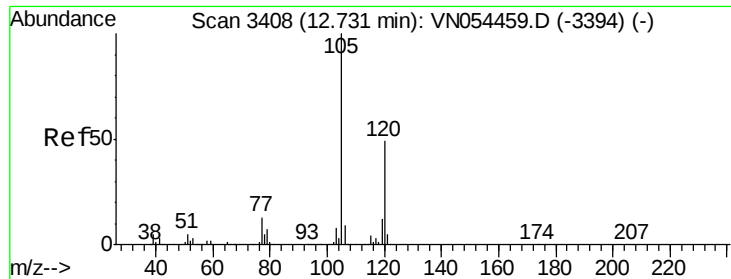


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.443 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054647.D

Acq: 24 Mar 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

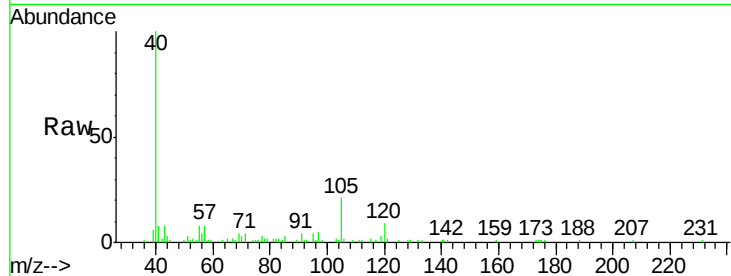
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Tot Ion:105 Resp: 10021

Ion Ratio Lower Upper

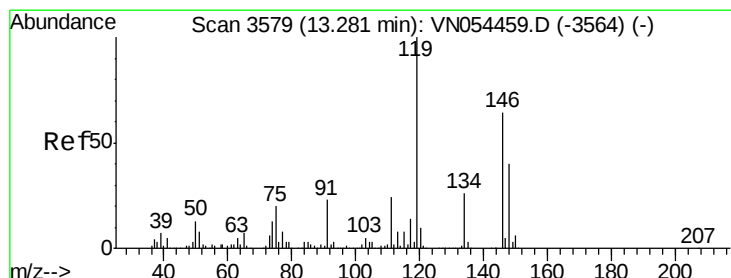
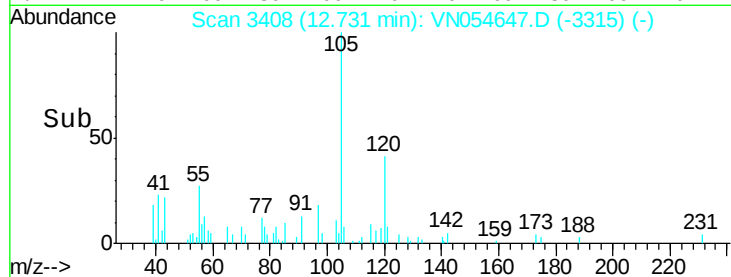
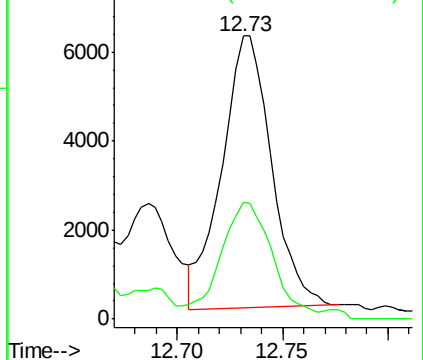
105 100

120 38.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#87

1,3-Dichlorobenzene

Concen: 7.419 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054647.D

Acq: 24 Mar 2019 14:48

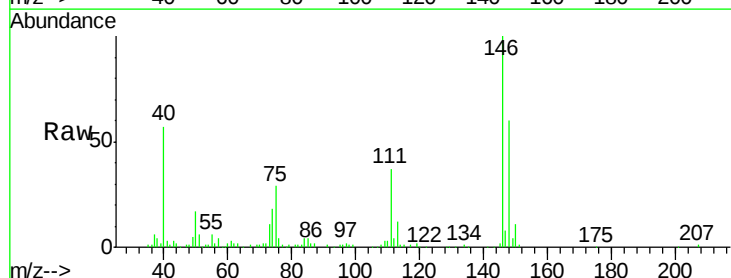
Tgt Ion:146 Resp: 84164

Ion Ratio Lower Upper

146 100

111 39.1 18.8 56.3

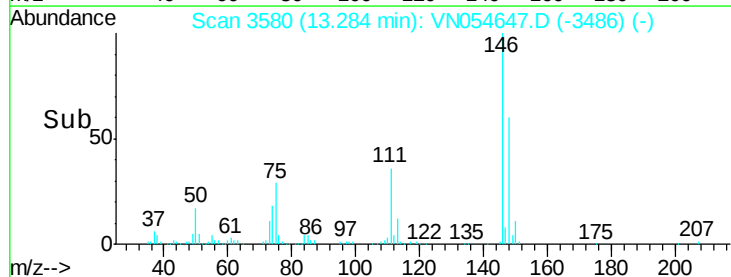
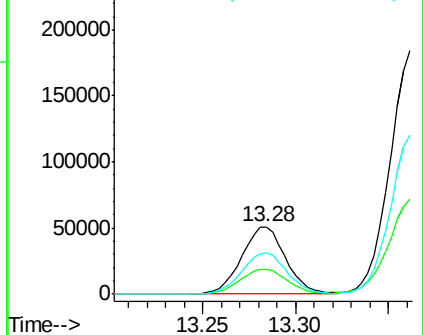
148 63.3 32.2 96.6

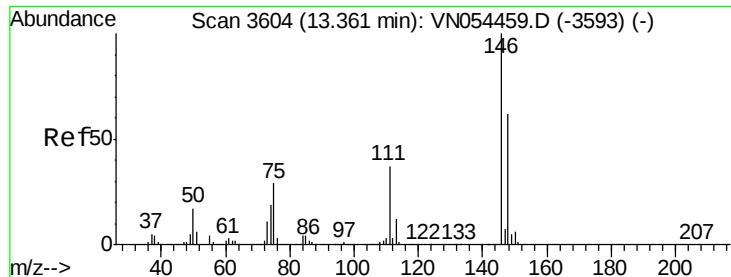


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

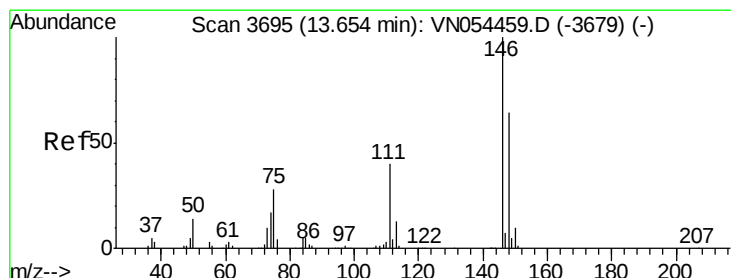
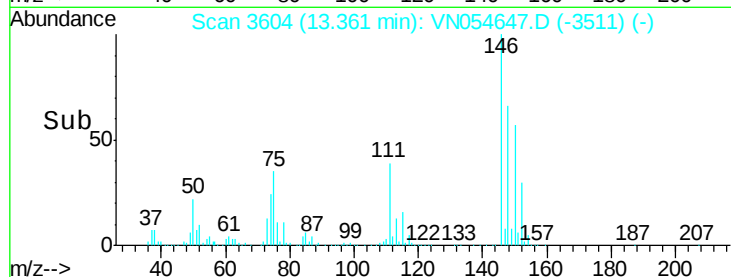
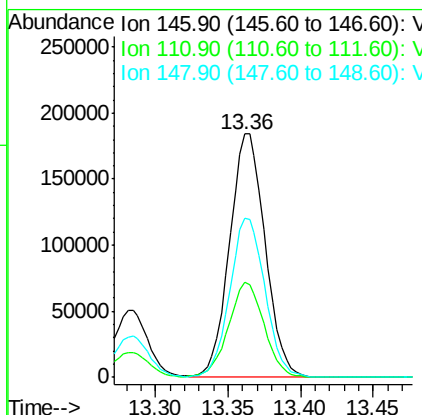
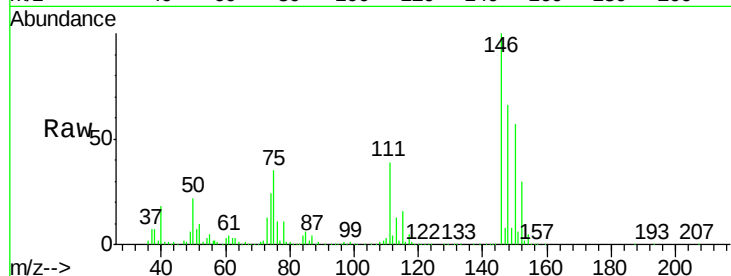




#88
 1,4-Dichlorobenzene
 Concen: 28.335 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054647.D
 Acq: 24 Mar 2019 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB445-190320-(23-25)

Tot Ion:146 Resp: 312774
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.1 54.1
 148 65.0 32.0 96.0



#91
 1,2-Dichlorobenzene
 Concen: 147.413 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054647.D
 Acq: 24 Mar 2019 14:48

Tgt Ion:146 Resp: 1619871
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.1 57.3
 148 63.4 32.4 97.0

