

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054590.D
 Acq On : 23 Mar 2019 6:55
 Operator : JC/SP
 Sample : K2045-16
 Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB436-190320-(24-26)

Quant Time: Mar 25 02:14:33 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	594845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	898288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	788555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	364184	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	354553	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
35) Dibromofluoromethane	7.59	113	261165	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	
50) Toluene-d8	10.09	98	1099926	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.40	95	364755	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	

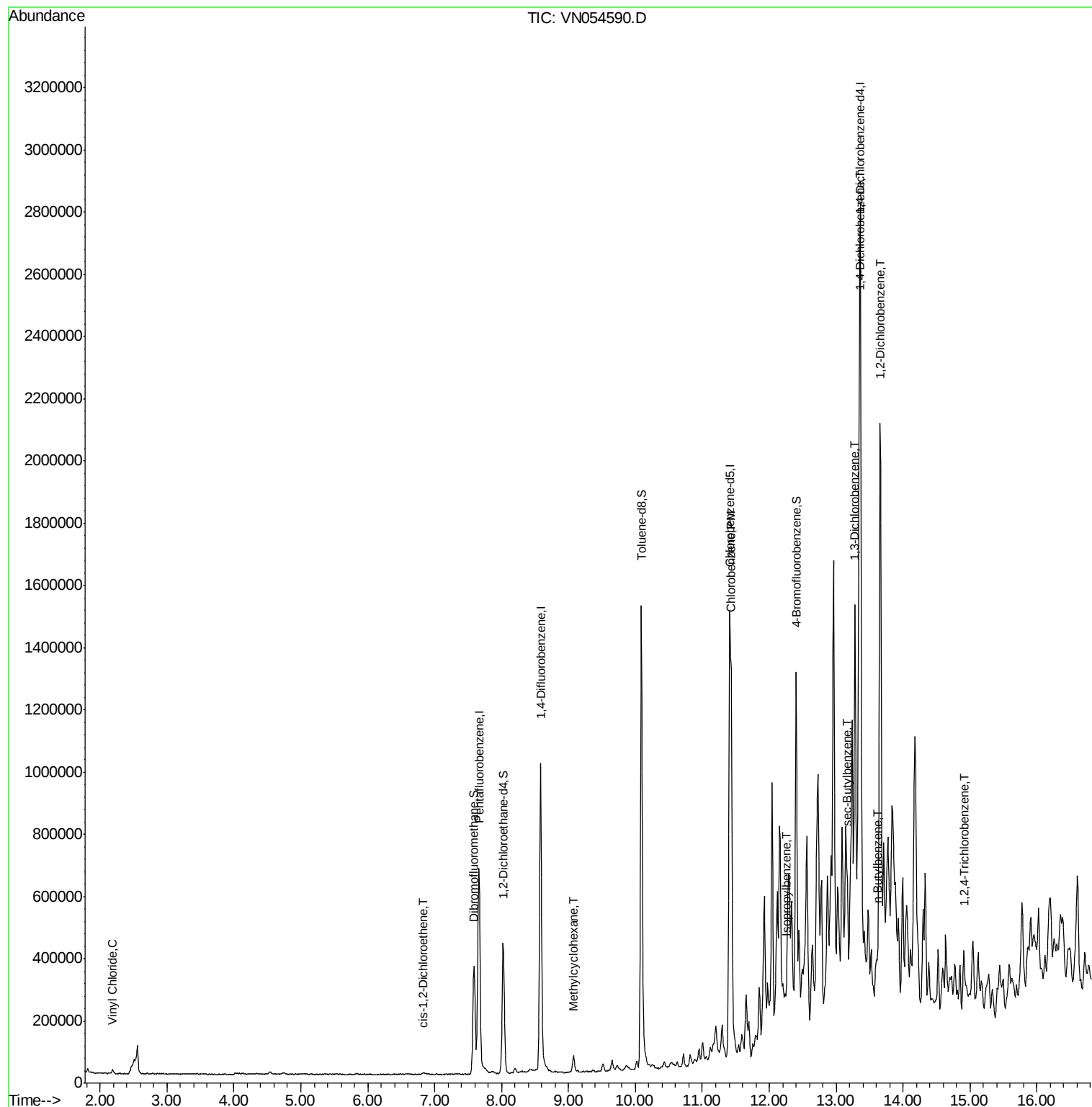
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	12036	1.549	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	3591	0.514	ug/l	91
39) Methylcyclohexane	9.08	83	19641	2.044	ug/l #	86
65) Chlorobenzene	11.43	112	625884	39.024	ug/l	100
73) Isopropylbenzene	12.25	105	16993	0.579	ug/l	96
85) sec-Butylbenzene	13.17	105	62672	2.401	ug/l #	52
87) 1,3-Dichlorobenzene	13.28	146	274328	22.744	ug/l	93
88) 1,4-Dichlorobenzene	13.36	146	812487	69.234	ug/l	97
89) n-Butylbenzene	13.62	91	28822	1.579	ug/l #	73
91) 1,2-Dichlorobenzene	13.65	146	381308	32.639	ug/l	91
93) 1,2,4-Trichlorobenzene	14.91	180	40235	6.909	ug/l #	69

(#) = 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: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054590.D

Acq: 23 Mar 2019 6:55

Instrument :

MSVOA_N

ClientSampleId :

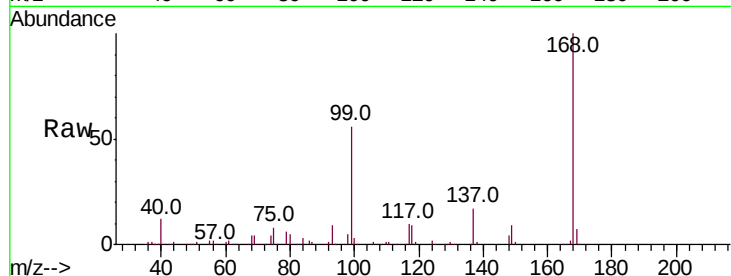
WP022SB436-190320-(24-26)

Tot Ion:168 Resp: 594845

Ion Ratio Lower Upper

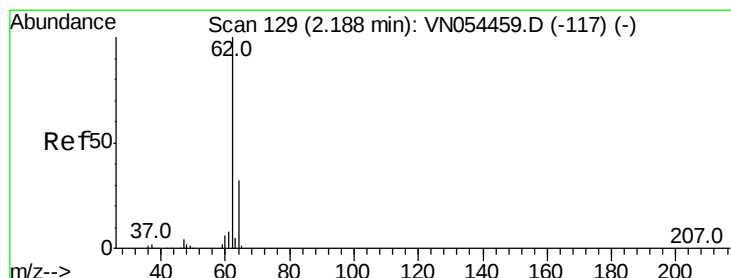
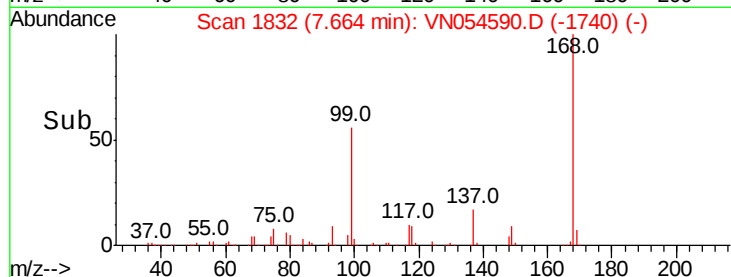
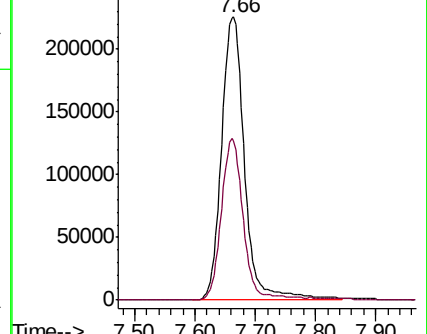
168 100

99 56.1 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#4

Vinyl Chloride

Concen: 1.549 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054590.D

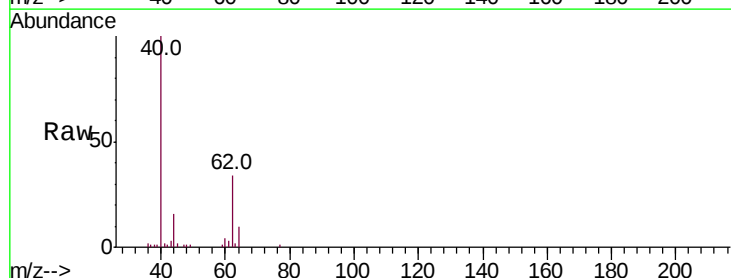
Acq: 23 Mar 2019 6:55

Tgt Ion: 62 Resp: 12036

Ion Ratio Lower Upper

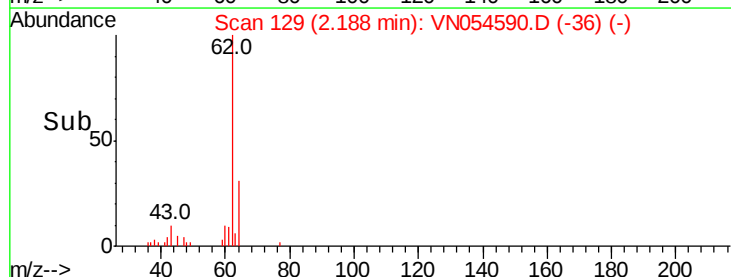
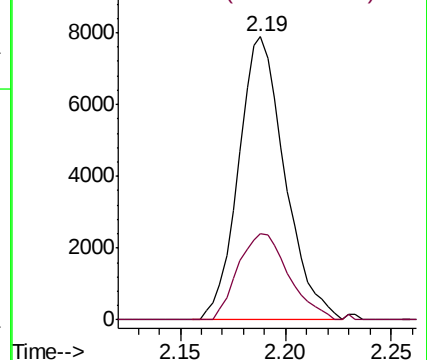
62 100

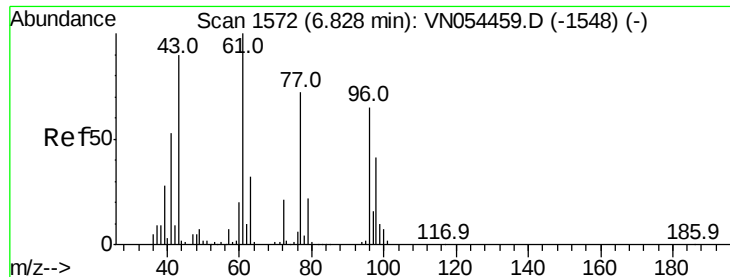
64 30.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.514 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054590.D

Acq: 23 Mar 2019 6:55

Instrument :

MSVOA_N

ClientSampleId :

WP022SB436-190320-(24-26)

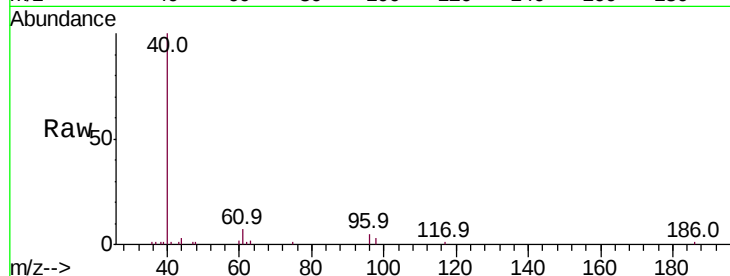
Tot Ion: 96 Resp: 3591

Ion Ratio Lower Upper

96 100

61 152.1 0.0 273.0

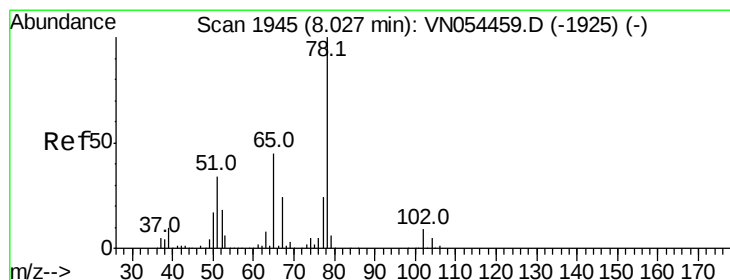
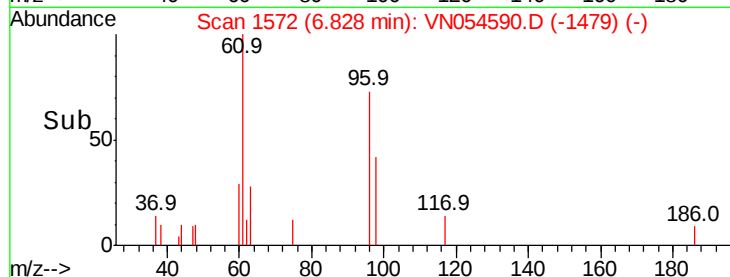
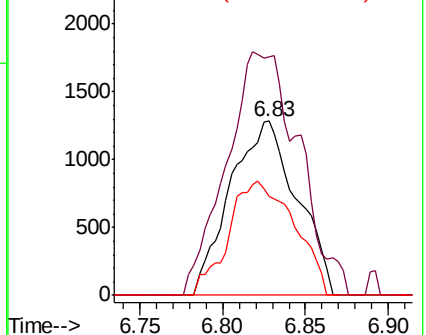
98 64.8 0.0 130.6



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: 47.920 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054590.D

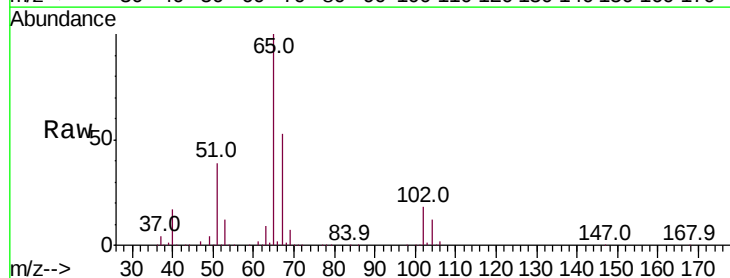
Acq: 23 Mar 2019 6:55

Tgt Ion: 65 Resp: 354553

Ion Ratio Lower Upper

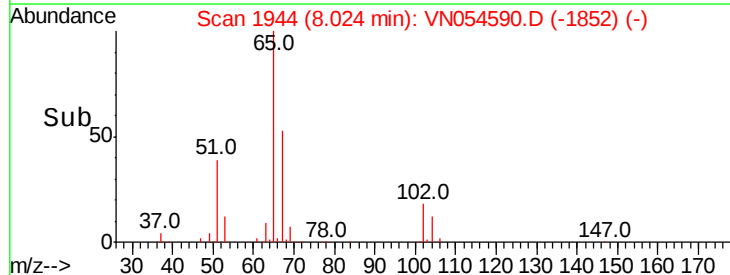
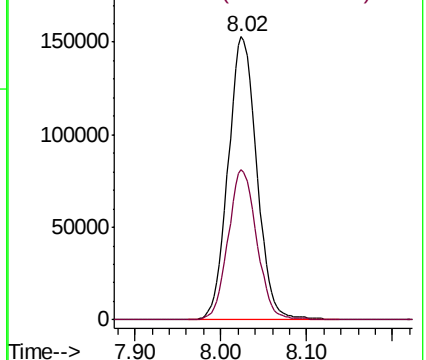
65 100

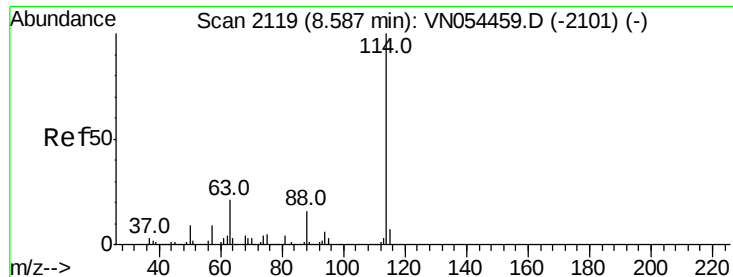
67 53.1 0.0 104.6



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: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054590.D

Acq: 23 Mar 2019 6:55

Instrument :

MSVOA_N

ClientSampleId :

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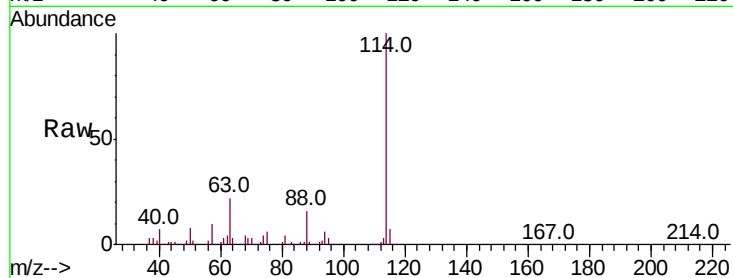
Tot Ion:114 Resp: 898288

Ion Ratio Lower Upper

114 100

63 22.1 0.0 35.2

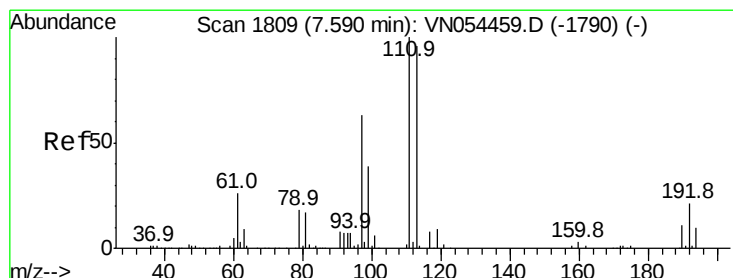
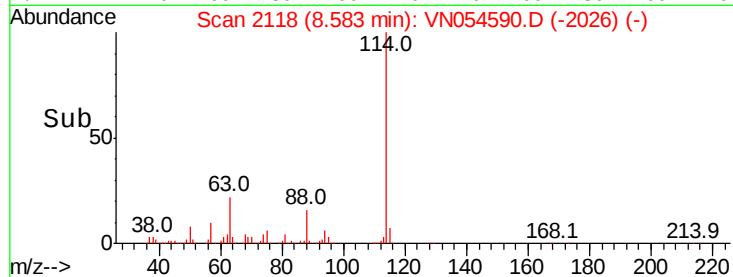
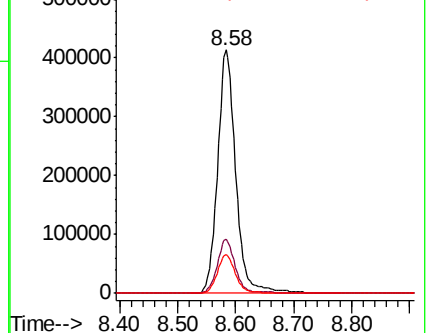
88 16.0 0.0 30.2



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: 45.128 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054590.D

Acq: 23 Mar 2019 6:55

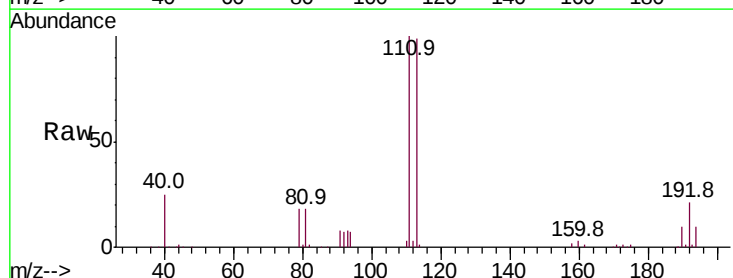
Tgt Ion:113 Resp: 261165

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

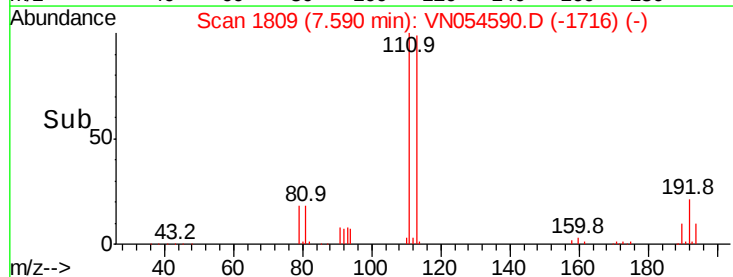
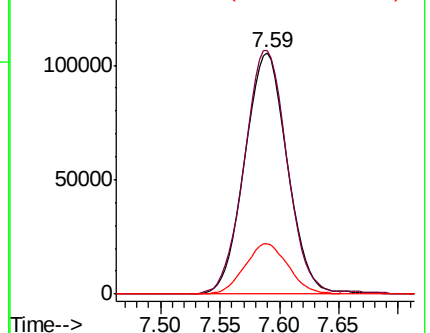
192 21.3 19.2 28.8

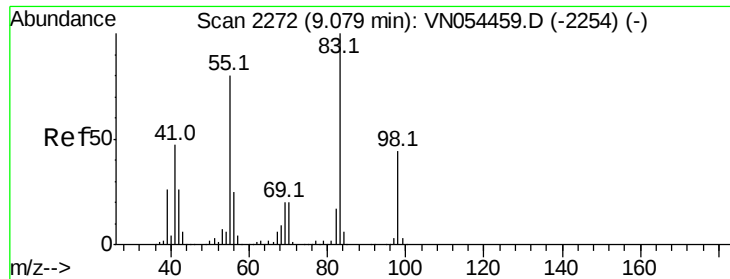


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

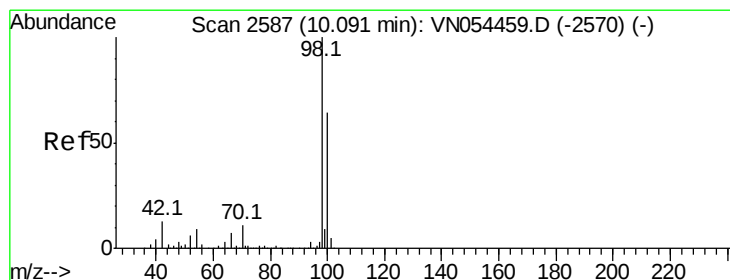
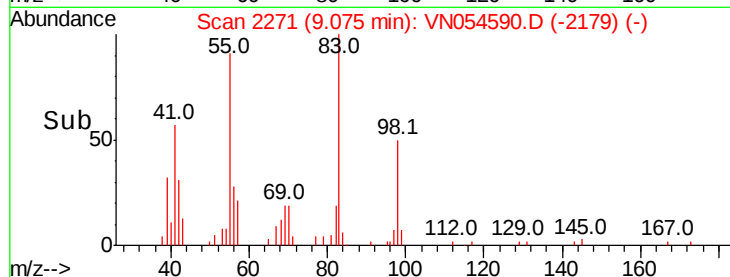
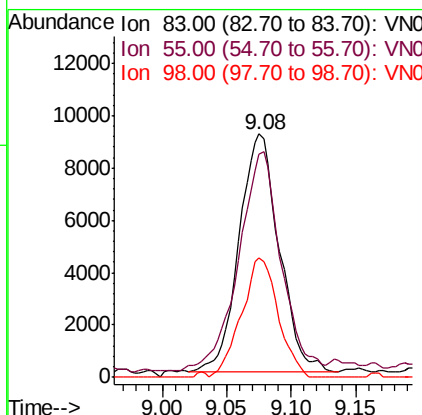
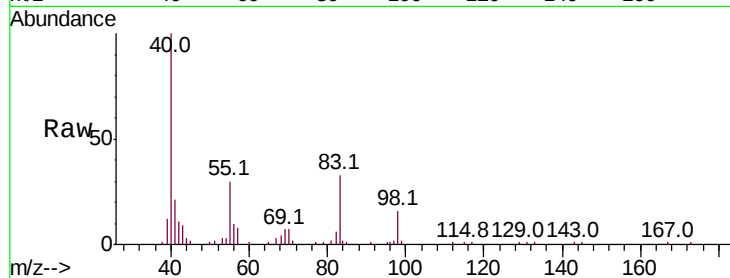




#39
Methvlcvclohexane
Concen: 2.044 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN054590.D
Acq: 23 Mar 2019 6:55

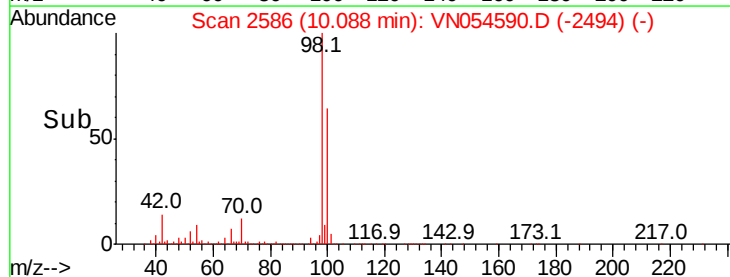
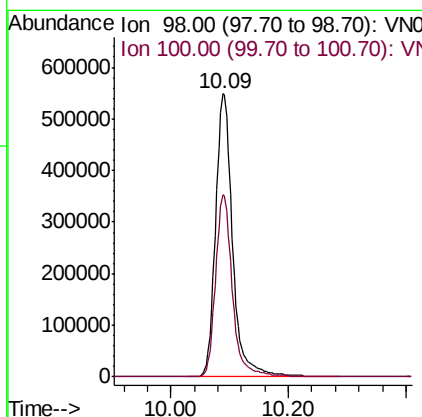
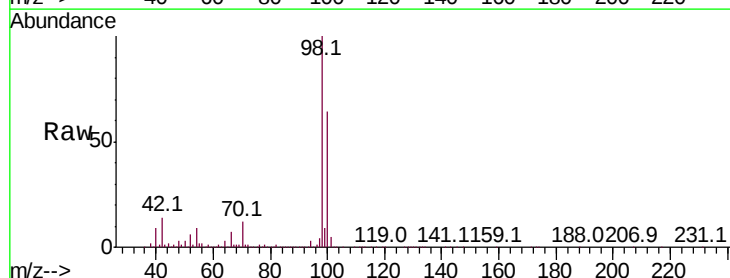
Instrument :
MSVOA_N
ClientSampleId :
WP022SB436-190320-(24-26)

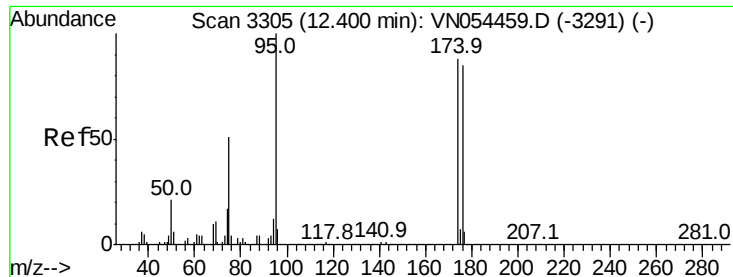
Tot Ion: 83 Resp: 19641
Ion Ratio Lower Upper
83 100
55 88.7 56.6 84.8#
98 50.4 38.4 57.6



#50
Toluene-d8
Concen: 50.557 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054590.D
Acq: 23 Mar 2019 6:55

Tgt Ion: 98 Resp: 1099926
Ion Ratio Lower Upper
98 100
100 63.4 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 49.269 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054590.D

Acq: 23 Mar 2019 6:55

Instrument :

MSVOA_N

ClientSampleId :

WP022SB436-190320-(24-26)

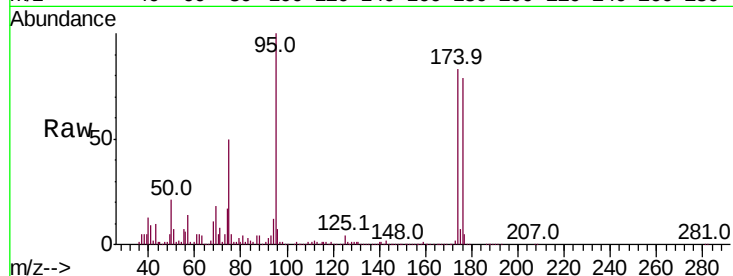
Tot Ion: 95 Resp: 364755

Ion Ratio Lower Upper

95 100

174 84.5 0.0 191.0

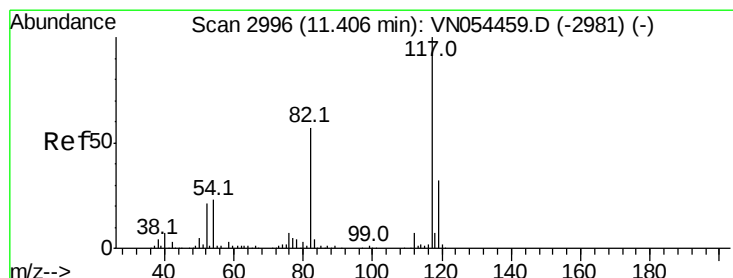
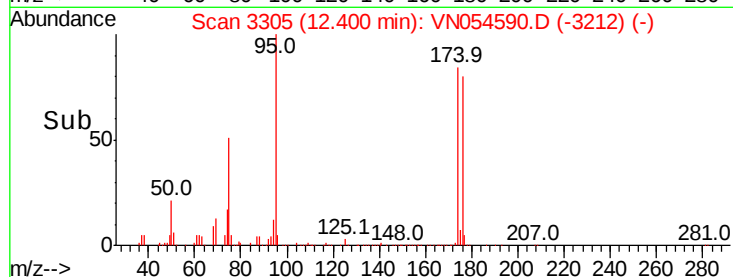
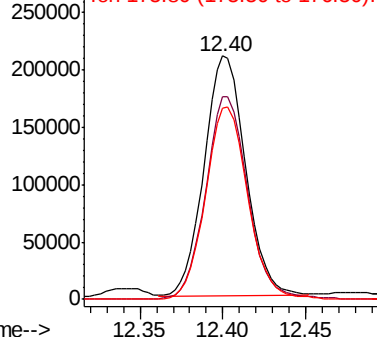
176 82.1 0.0 187.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054590.D

Acq: 23 Mar 2019 6:55

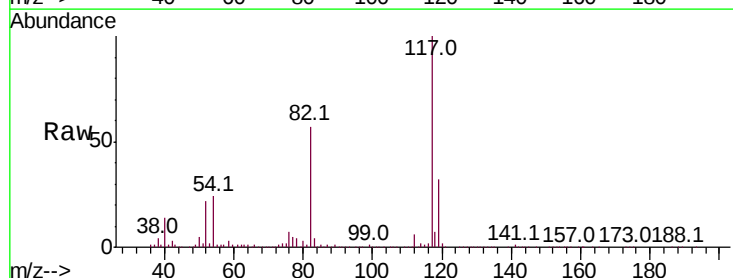
Tgt Ion: 117 Resp: 788555

Ion Ratio Lower Upper

117 100

82 56.5 40.0 60.0

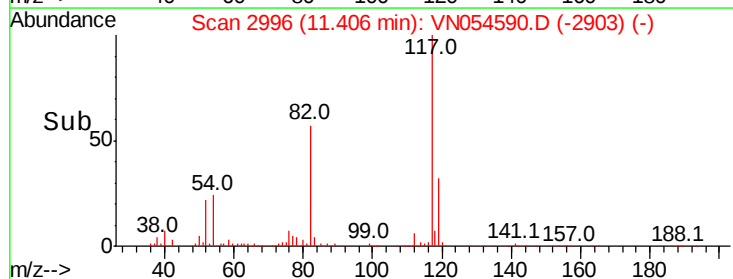
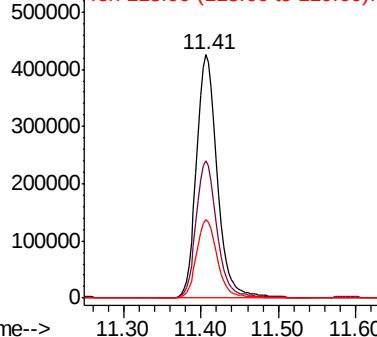
119 32.2 25.8 38.6

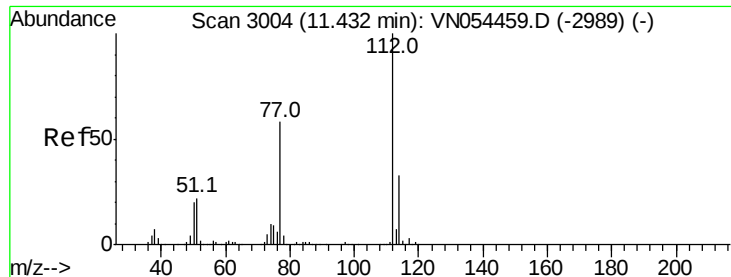


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)

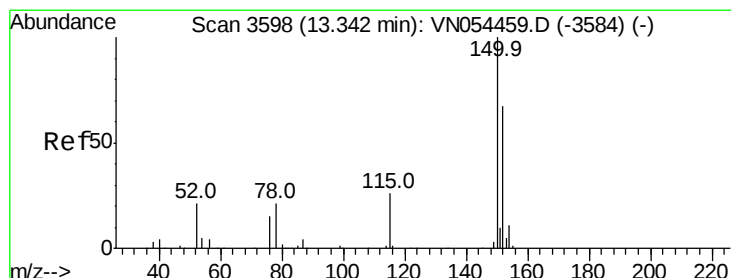
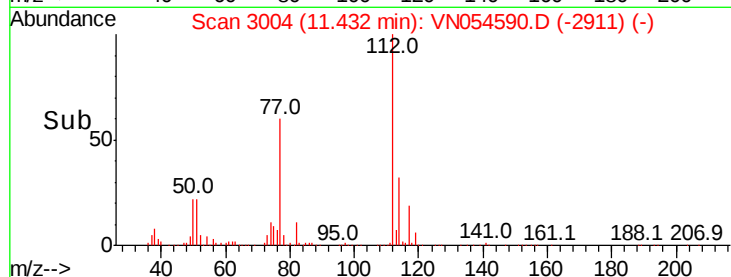
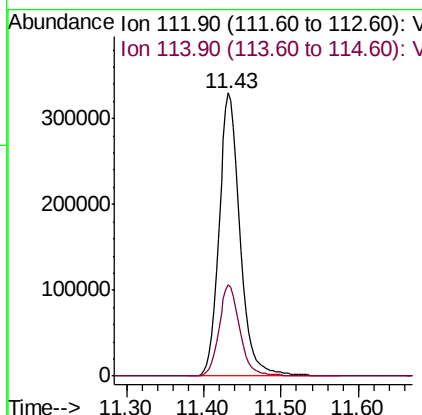
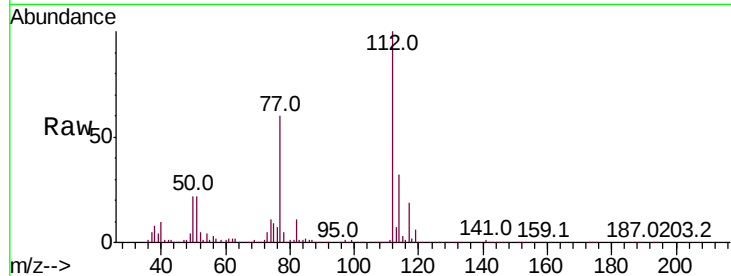




#65
Chlorobenzene
Concen: 39.024 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054590.D
Acq: 23 Mar 2019 6:55

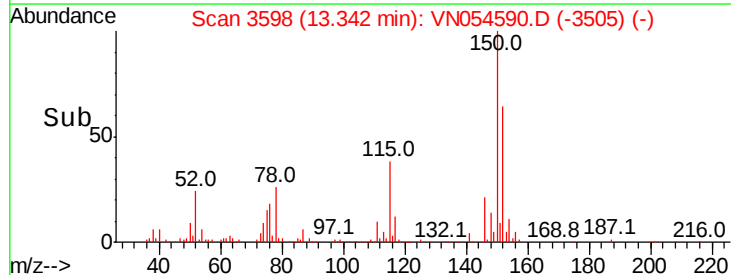
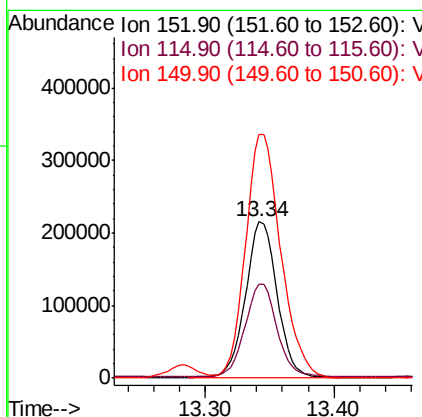
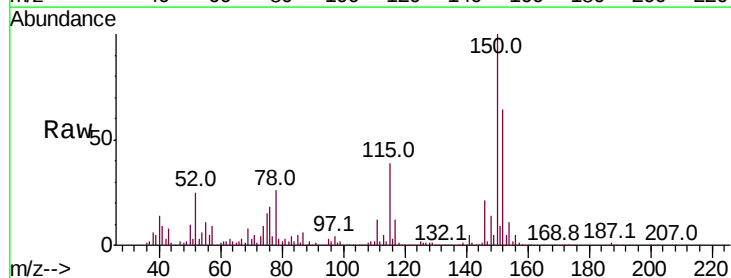
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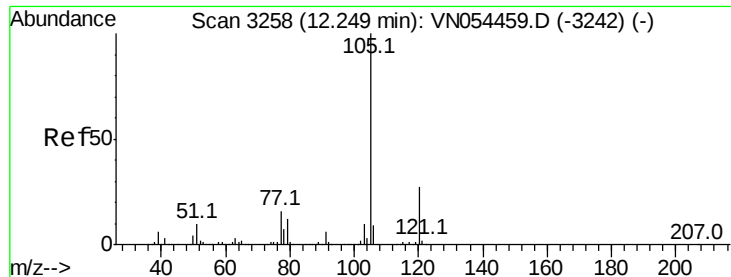
Tot Ion:112 Resp: 625884
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054590.D
Acq: 23 Mar 2019 6:55

Tgt Ion:152 Resp: 364184
Ion Ratio Lower Upper
152 100
115 61.1 27.2 81.6
150 175.3 0.0 349.2





#73

Isopropylbenzene

Concen: 0.579 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054590.D

Acq: 23 Mar 2019 6:55

Instrument :

MSVOA_N

ClientSampleId :

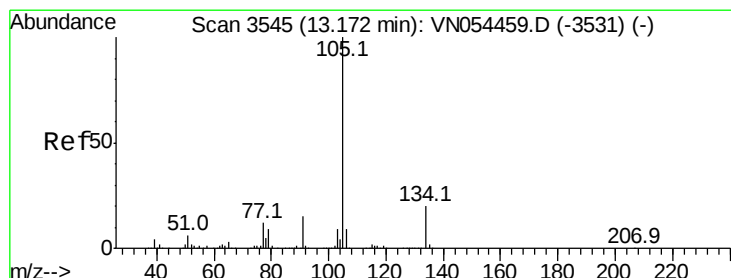
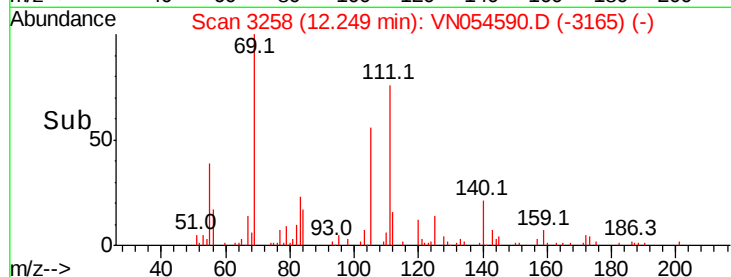
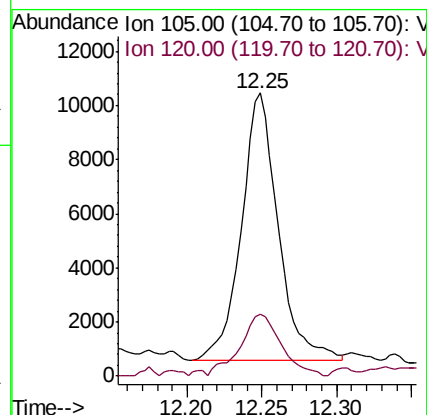
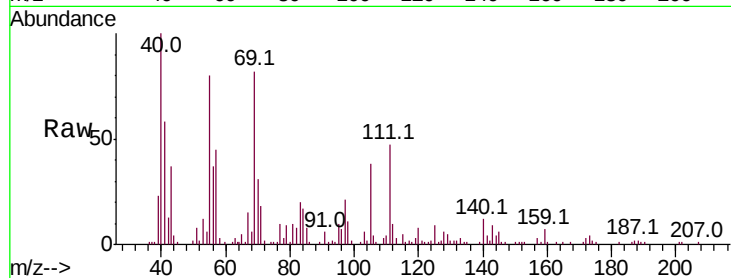
WP022SB436-190320-(24-26)

Tot Ion:105 Resp: 16993

Ion Ratio Lower Upper

105 100

120 25.7 13.8 41.3



#85

sec-Butylbenzene

Concen: 2.401 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054590.D

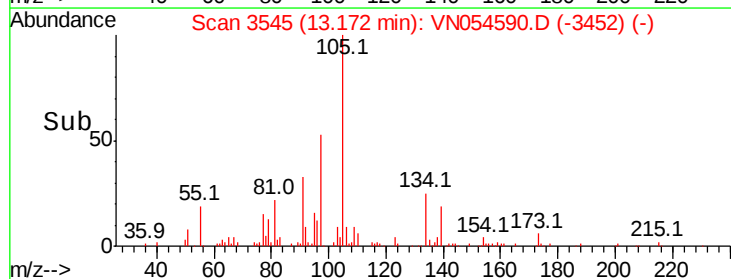
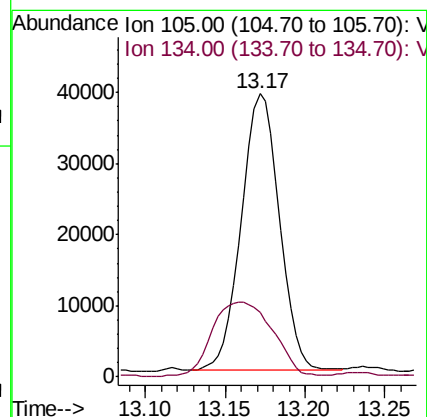
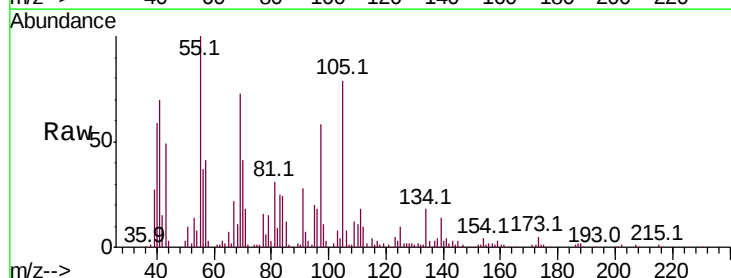
Acq: 23 Mar 2019 6:55

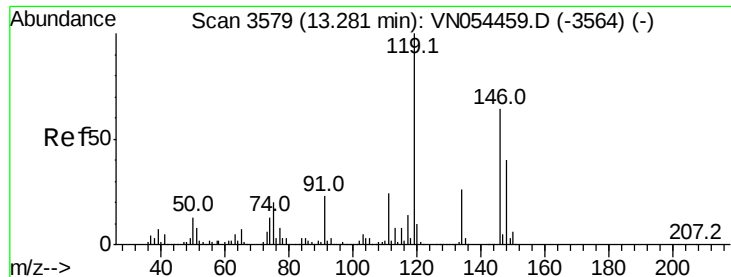
Tgt Ion:105 Resp: 62672

Ion Ratio Lower Upper

105 100

134 44.1 10.7 32.1#





#87

1,3-Dichlorobenzene

Concen: 22.744 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054590.D

Acq: 23 Mar 2019 6:55

Instrument :

MSVOA_N

ClientSampleId :

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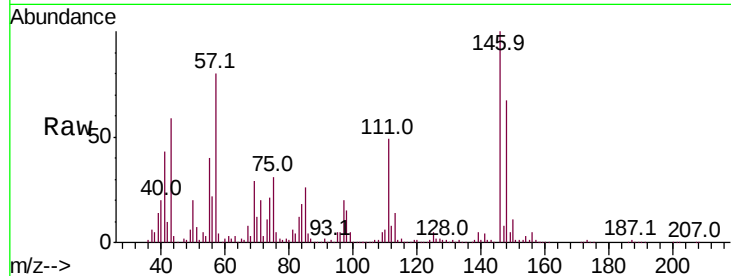
Tot Ion:146 Resp: 274328

Ion Ratio Lower Upper

146 100

111 47.4 18.8 56.3

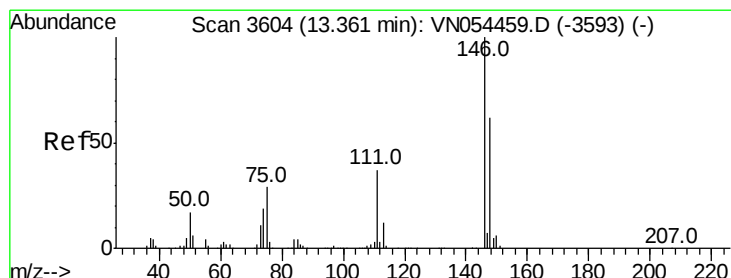
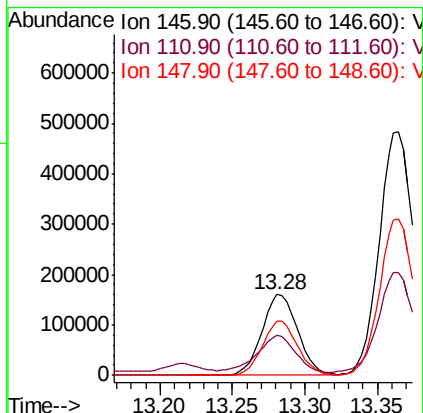
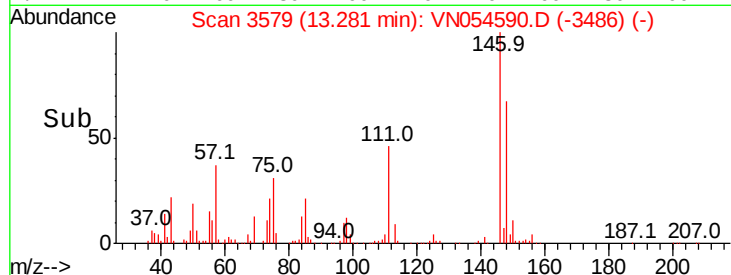
148 66.0 32.2 96.6



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: 69.234 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054590.D

Acq: 23 Mar 2019 6:55

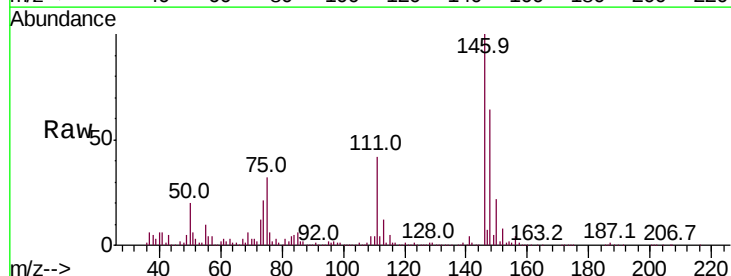
Tgt Ion:146 Resp: 812487

Ion Ratio Lower Upper

146 100

111 41.4 18.1 54.1

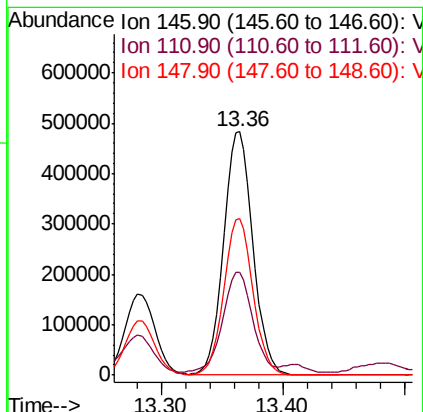
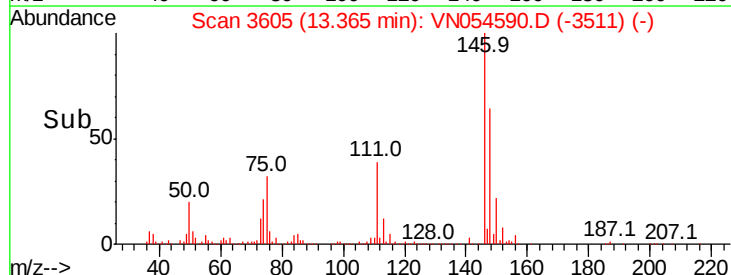
148 64.0 32.0 96.0

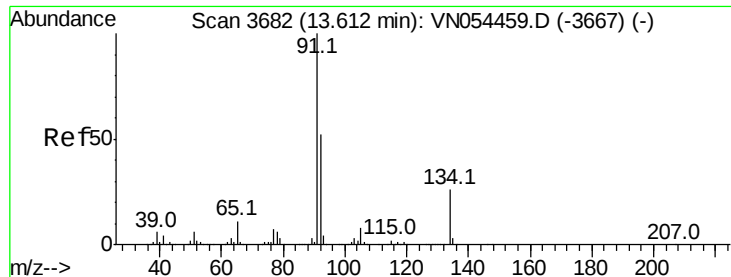


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 1.579 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054590.D

Acq: 23 Mar 2019 6:55

Instrument :

MSVOA_N

ClientSampleId :

WP022SB436-190320-(24-26)

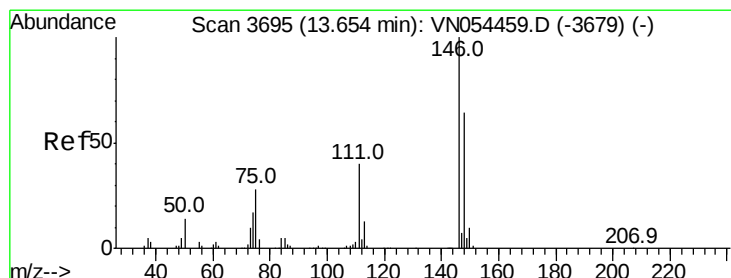
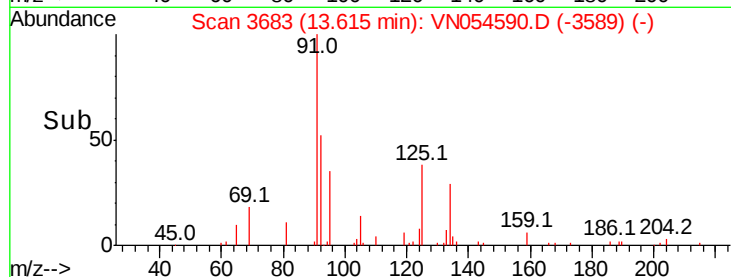
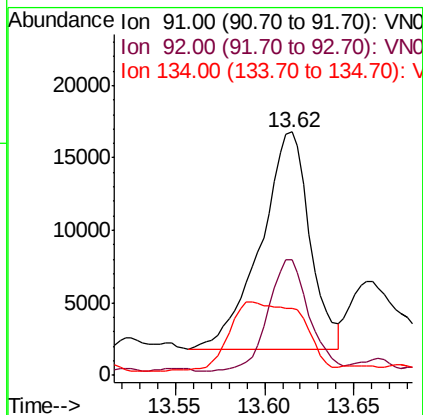
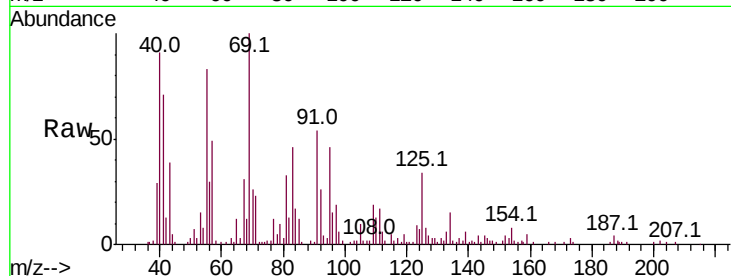
Tot Ion: 91 Resp: 28822

Ion Ratio Lower Upper

91 100

92 43.2 26.2 78.6

134 0.0 14.3 42.9#



#91

1,2-Dichlorobenzene

Concen: 32.639 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054590.D

Acq: 23 Mar 2019 6:55

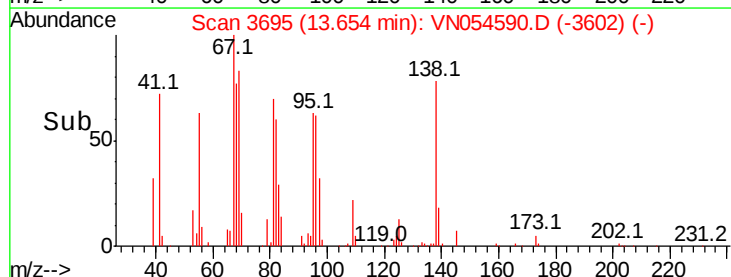
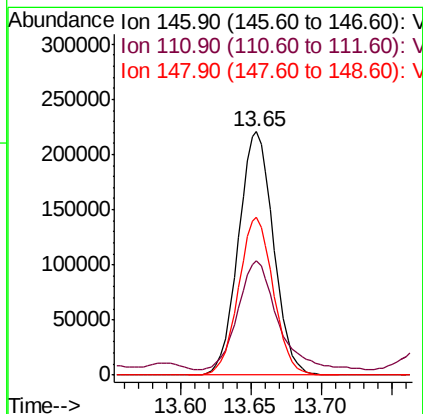
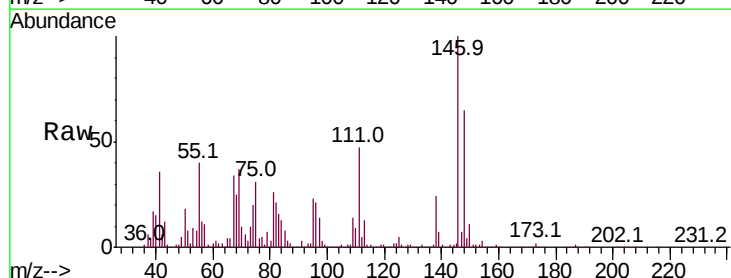
Tgt Ion: 146 Resp: 381308

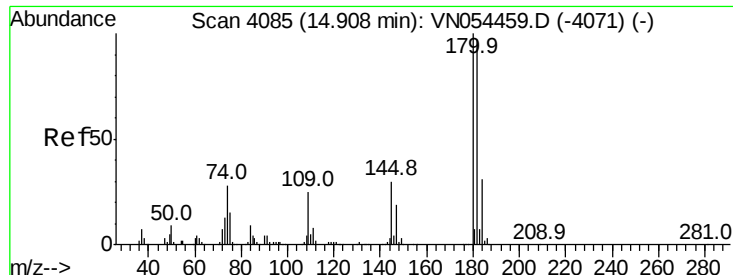
Ion Ratio Lower Upper

146 100

111 53.4 19.1 57.3

148 64.6 32.4 97.0





#93

1,2,4-Trichlorobenzene

Concen: 6.909 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054590.D

Acq: 23 Mar 2019 6:55

Instrument :

MSVOA_N

ClientSampleId :

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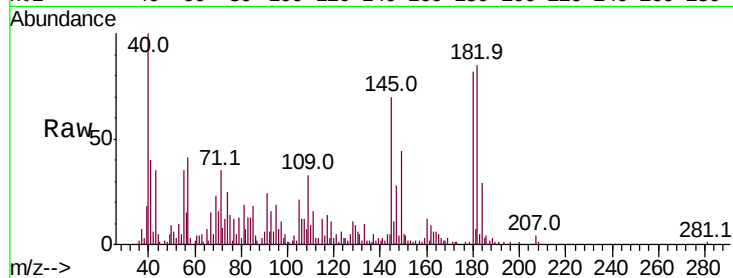
Tot Ion:180 Resp: 40235

Ion Ratio Lower Upper

180 100

182 97.2 48.0 144.2

145 98.4 14.2 42.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

