

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032319\
 Data File : VN054622.D
 Acq On : 24 Mar 2019 00:13
 Operator : JC/SP
 Sample : K2045-15DL 10X
 Misc : 6.49g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB436-190320-(22-24)DL

Quant Time: Mar 25 05:06:58 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	597625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	903942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	779838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	329912	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	377709	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
35) Dibromofluoromethane	7.59	113	281870	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	10.09	98	1098067	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	356085	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	

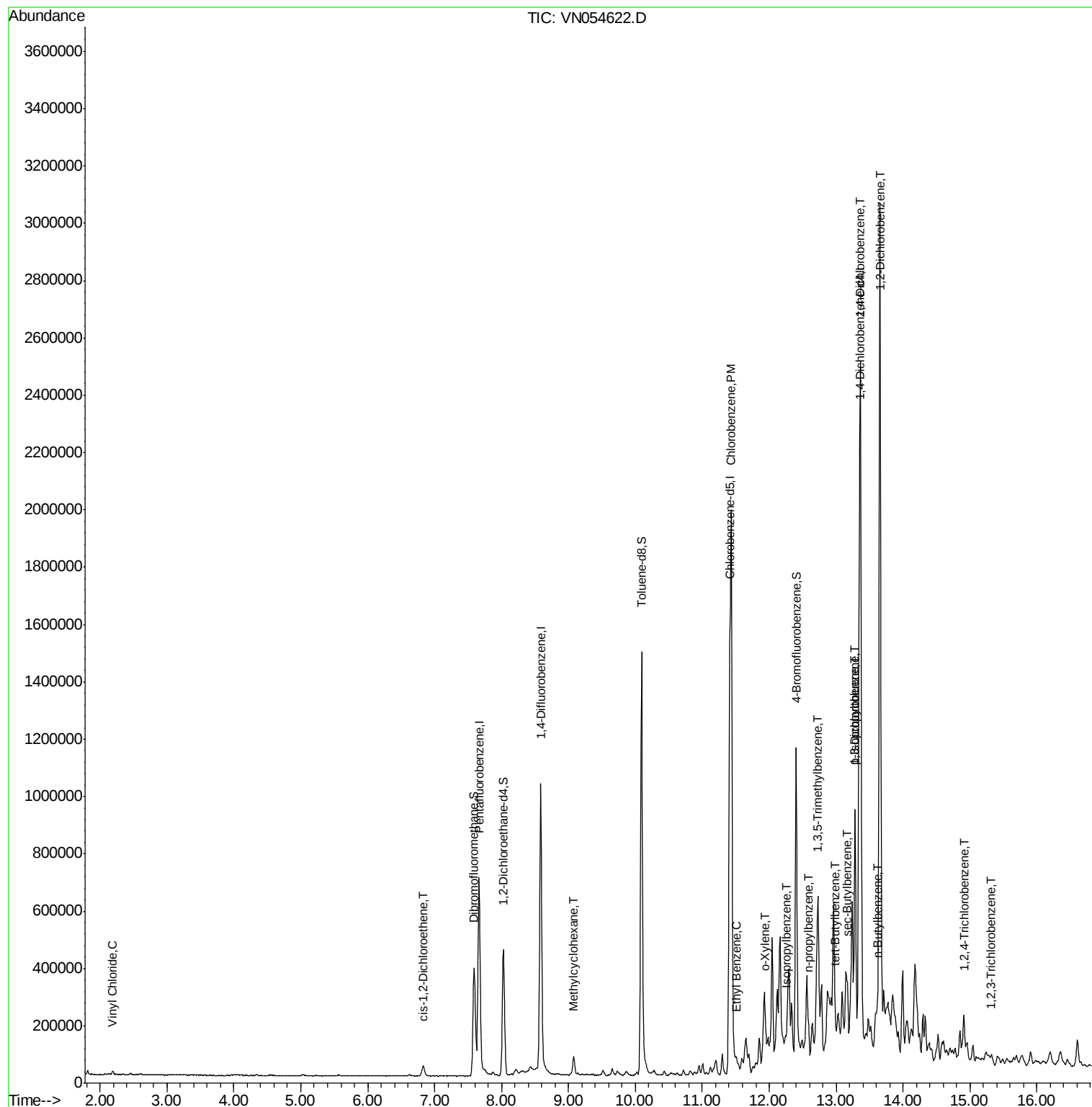
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	9894	1.268	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	21321	3.037	ug/l	98
39) Methylcyclohexane	9.08	83	24465	2.530	ug/l #	85
65) Chlorobenzene	11.43	112	1017273	64.137	ug/l	100
67) Ethyl Benzene	11.51	91	26649	0.951	ug/l	99
69) o-Xylene	11.95	106	11513	1.111	ug/l	98
73) Isopropylbenzene	12.25	105	22874	0.860	ug/l	100
78) n-propylbenzene	12.59	91	83828	2.908	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	15162	0.696	ug/l	94
83) tert-Butylbenzene	12.99	119	16064	0.847	ug/l	96
85) sec-Butylbenzene	13.17	105	68078	2.879	ug/l #	68
86) p-Isopropyltoluene	13.29	119	15993	0.756	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	274694	25.140	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	804415	75.667	ug/l	97
89) n-Butylbenzene	13.61	91	75772	4.581	ug/l #	75
91) 1,2-Dichlorobenzene	13.65	146	1083431	102.373	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	37965	7.196	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.32	180	8816	1.679	ug/l #	84

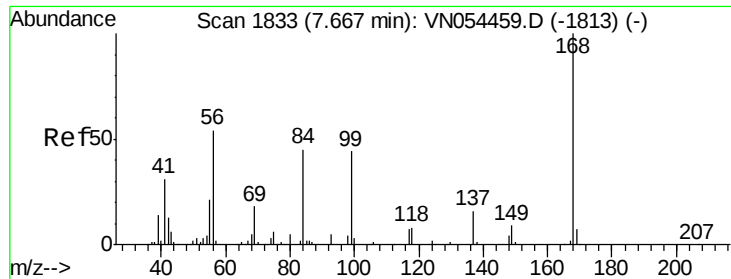
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054622.D

Acq: 24 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

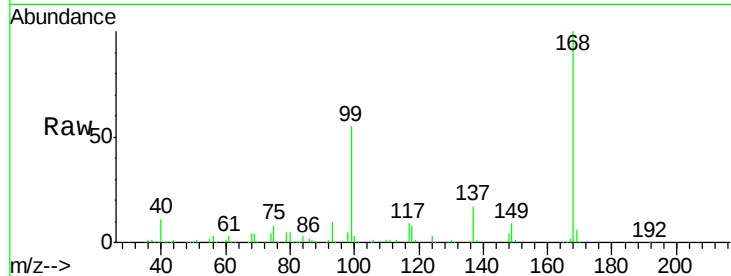
WP022SB436-190320-(22-24)DL

Tot Ion:168 Resp: 597625

Ion Ratio Lower Upper

168 100

99 55.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

250000

200000

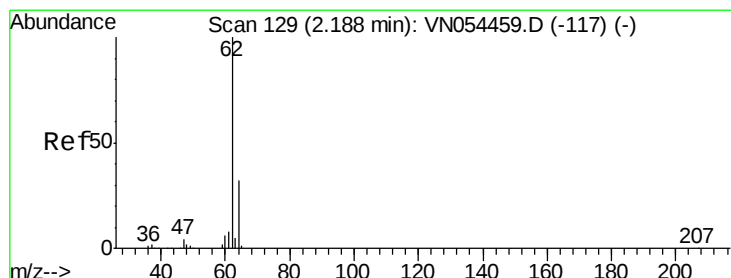
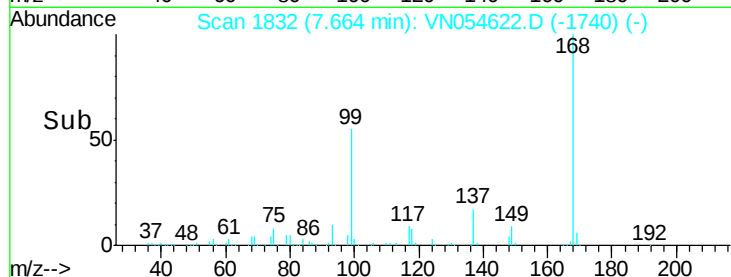
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#4

Vinyl Chloride

Concen: 1.268 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054622.D

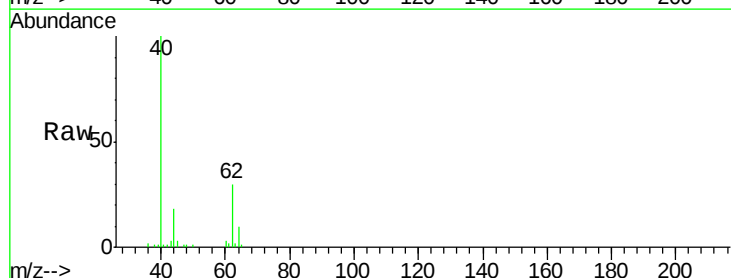
Acq: 24 Mar 2019 00:13

Tgt Ion: 62 Resp: 9894

Ion Ratio Lower Upper

62 100

64 33.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2.19

8000

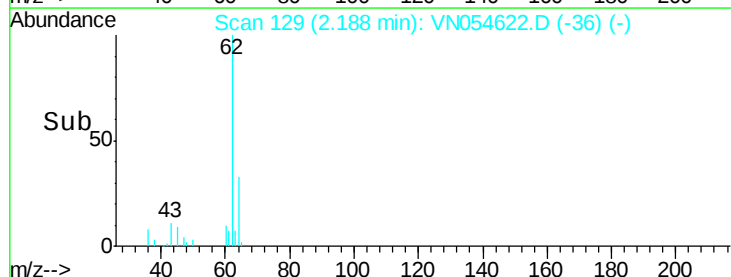
6000

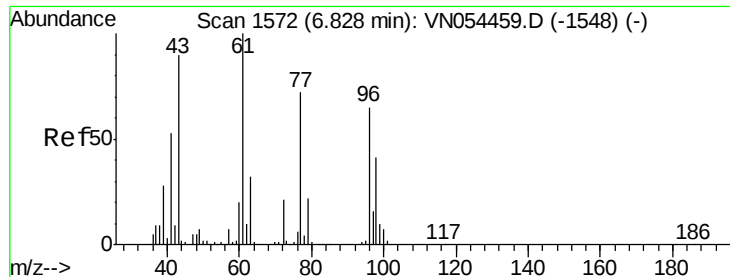
4000

2000

0

Time--> 2.15 2.20 2.25





#27

cis-1,2-Dichloroethene

Concen: 3.037 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054622.D

Acq: 24 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

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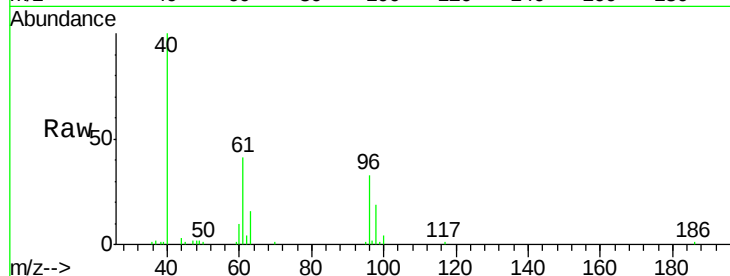
Tot Ion: 96 Resp: 21321

Ion Ratio Lower Upper

96 100

61 134.1 0.0 273.0

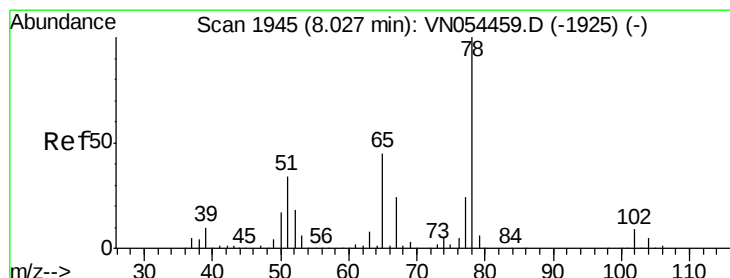
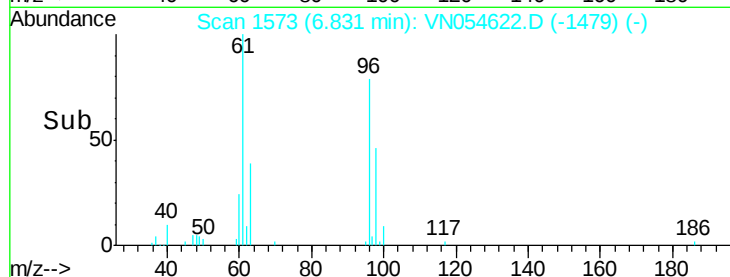
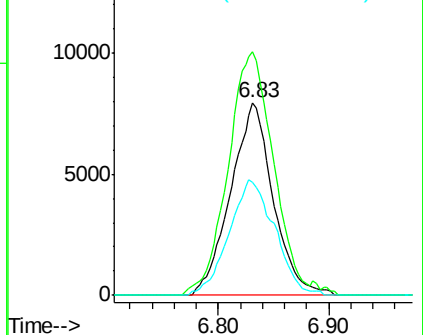
98 64.2 0.0 130.6



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: 50.812 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054622.D

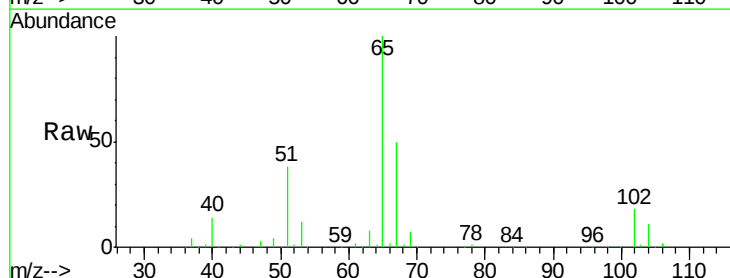
Acq: 24 Mar 2019 00:13

Tgt Ion: 65 Resp: 377709

Ion Ratio Lower Upper

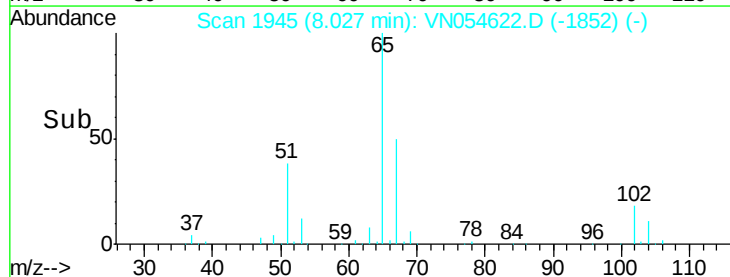
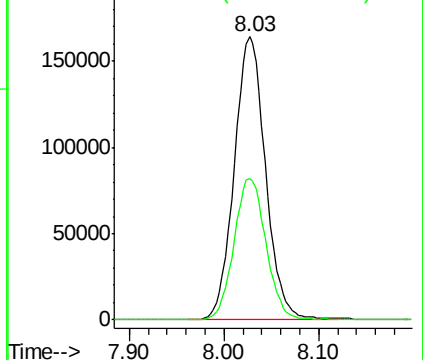
65 100

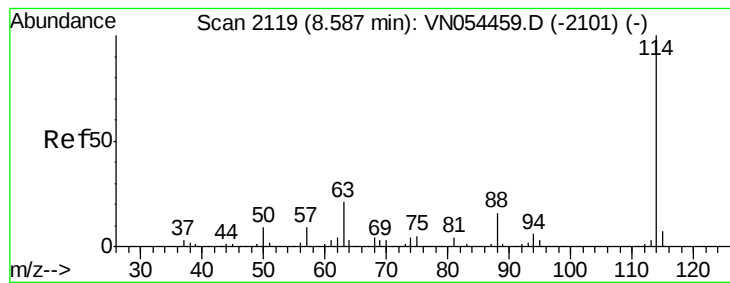
67 50.9 0.0 104.6



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: VN054622.D

Acq: 24 Mar 2019 00:13

Instrument :

MSVOA_N

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WP022SB436-190320-(22-24)DL

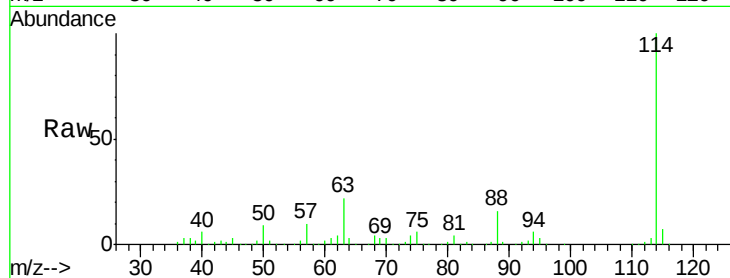
Tot Ion:114 Resp: 903942

Ion Ratio Lower Upper

114 100

63 22.4 0.0 35.2

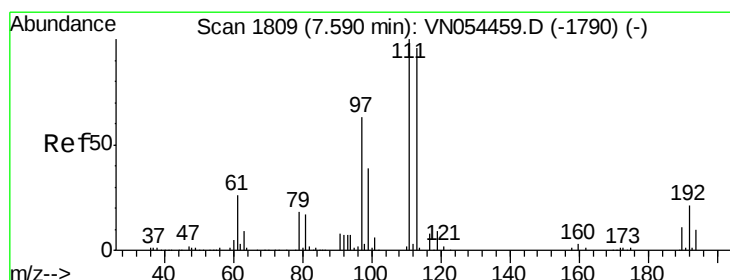
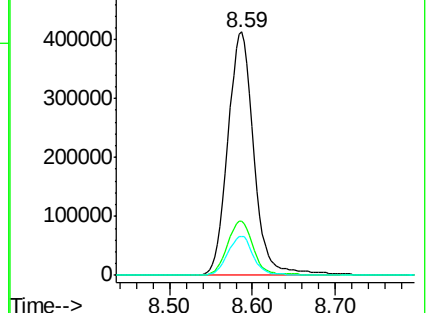
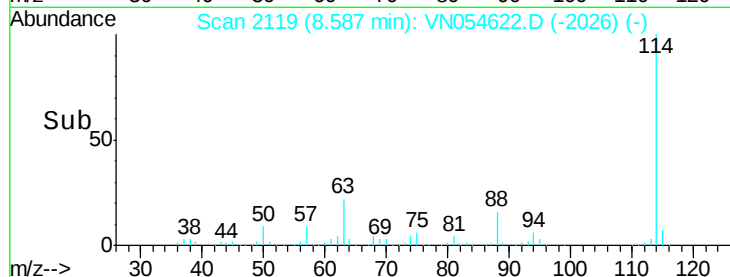
88 16.0 0.0 30.2



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: 48.401 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054622.D

Acq: 24 Mar 2019 00:13

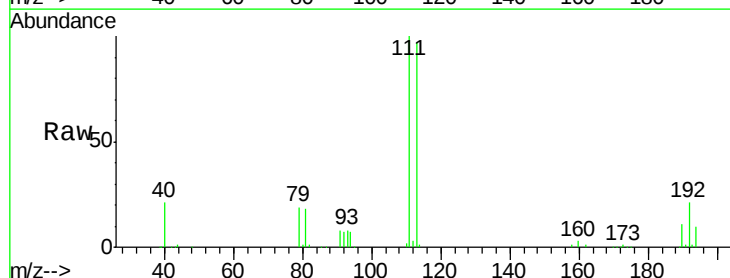
Tgt Ion:113 Resp: 281870

Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.4

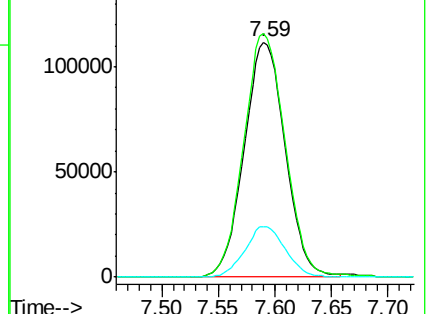
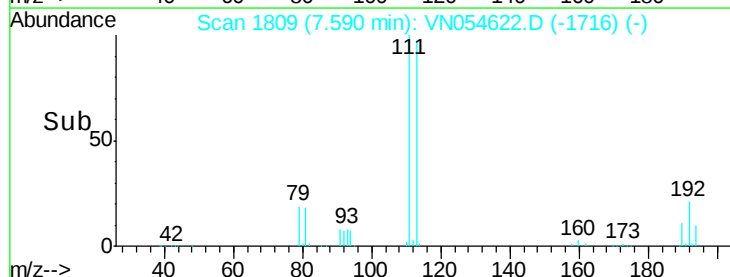
192 21.2 19.2 28.8

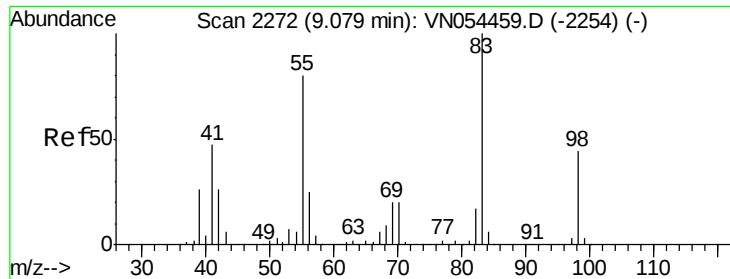


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

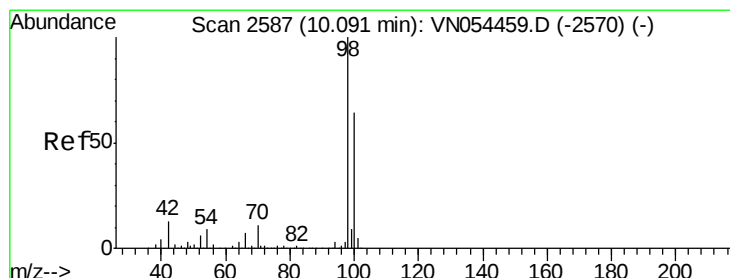
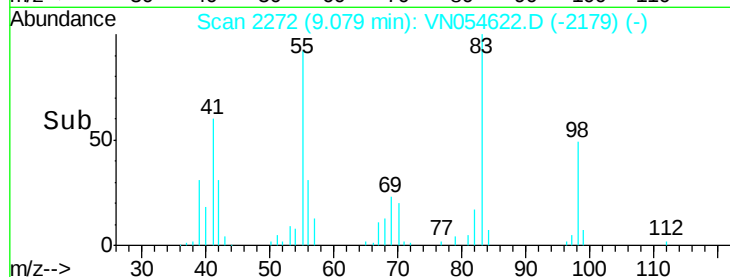
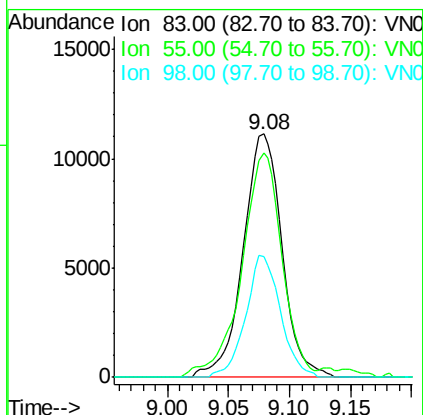
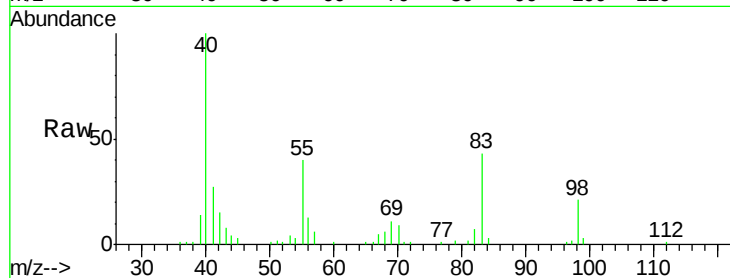




#39
Methvlcvclohexane
Concen: 2.530 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054622.D
Acq: 24 Mar 2019 00:13

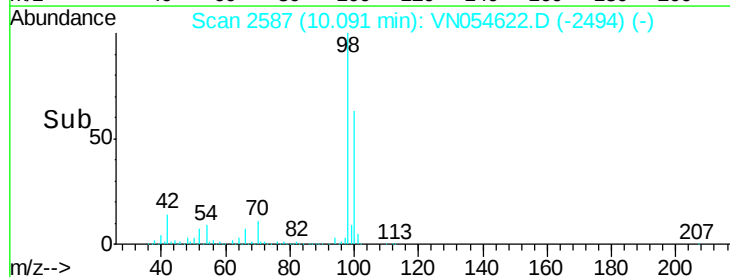
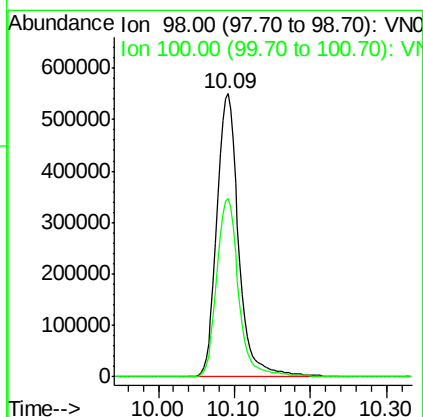
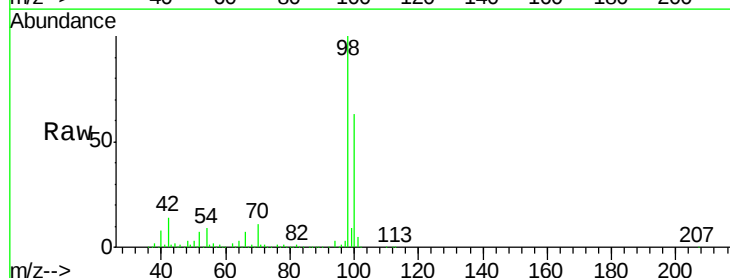
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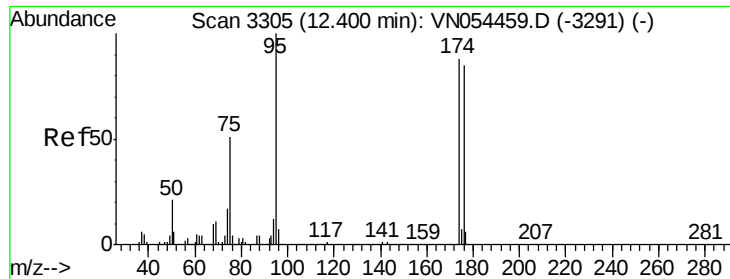
Tot Ion: 83 Resp: 24465
Ion Ratio Lower Upper
83 100
55 90.0 56.6 84.8#
98 49.4 38.4 57.6



#50
Toluene-d8
Concen: 50.155 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054622.D
Acq: 24 Mar 2019 00:13

Tgt Ion: 98 Resp: 1098067
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8

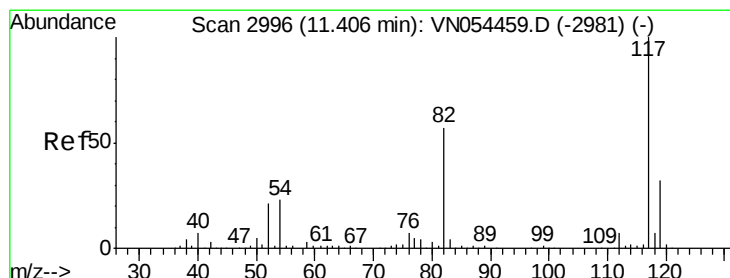
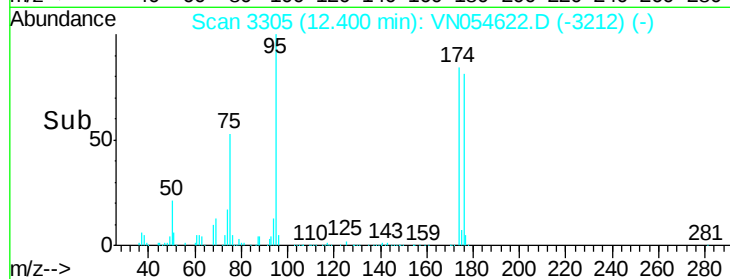
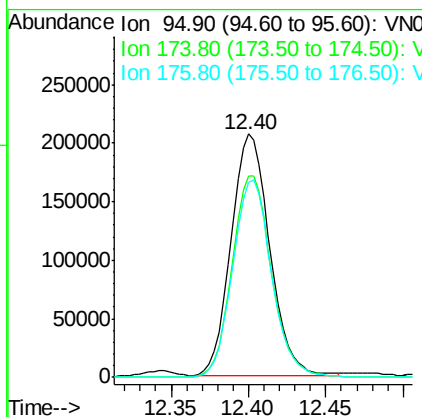
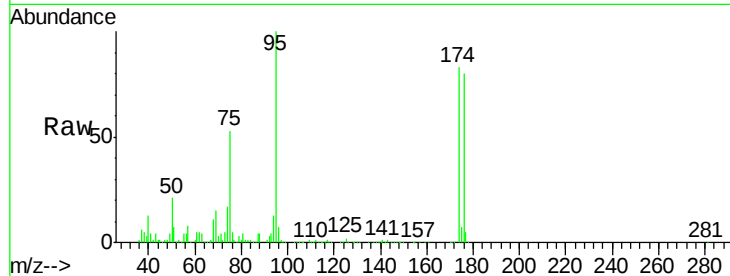




#62
4-Bromofluorobenzene
Concen: 47.797 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054622.D
Acq: 24 Mar 2019 00:13

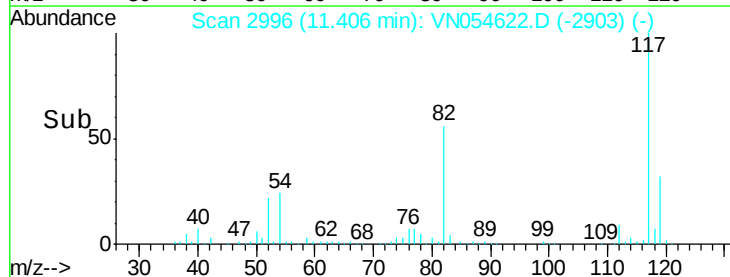
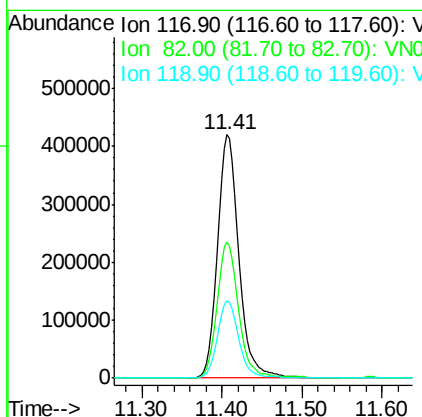
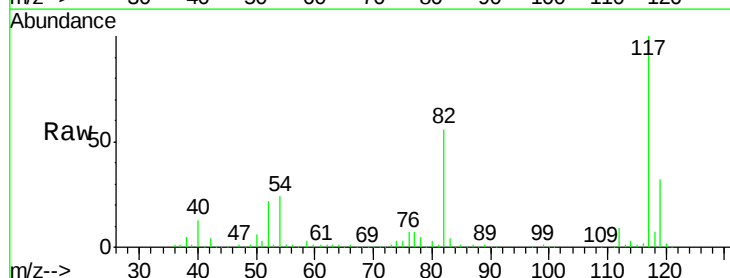
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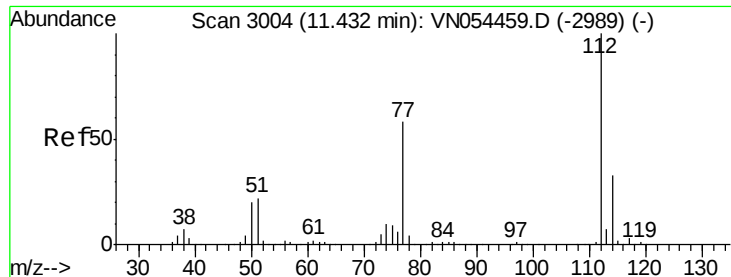
Tot Ion: 95 Resp: 356085
Ion Ratio Lower Upper
95 100
174 85.7 0.0 191.0
176 83.0 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054622.D
Acq: 24 Mar 2019 00:13

Tgt Ion: 117 Resp: 779838
Ion Ratio Lower Upper
117 100
82 56.0 40.0 60.0
119 31.7 25.8 38.6

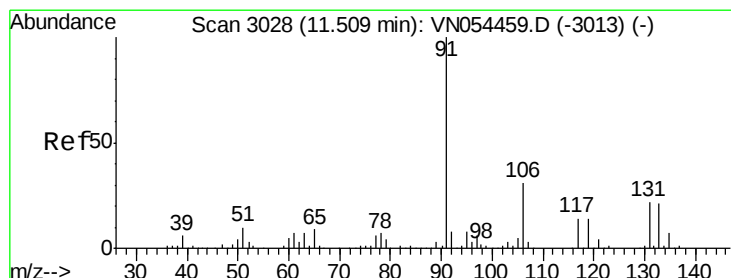
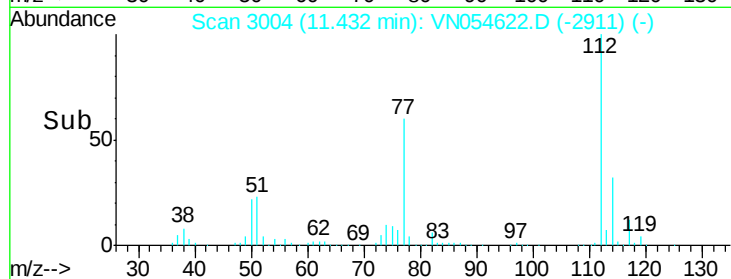
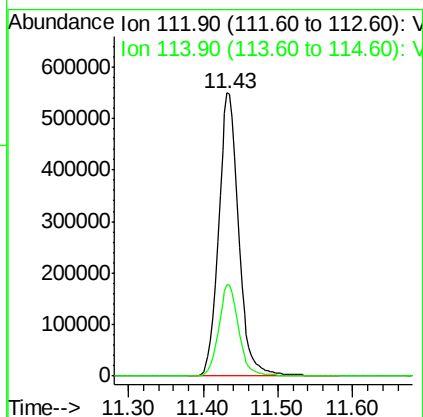
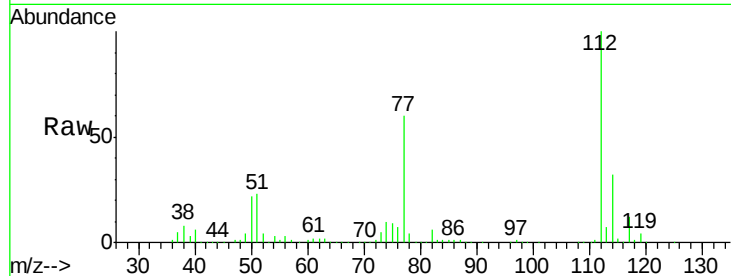




#65
Chlorobenzene
Concen: 64.137 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054622.D
Acq: 24 Mar 2019 00:13

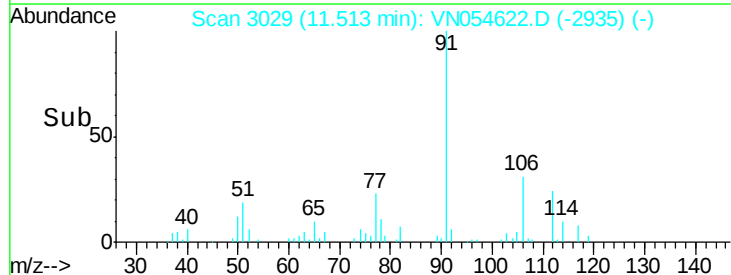
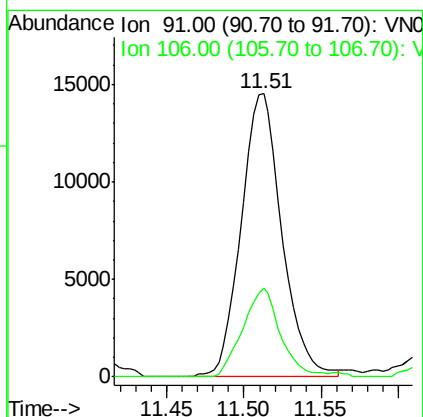
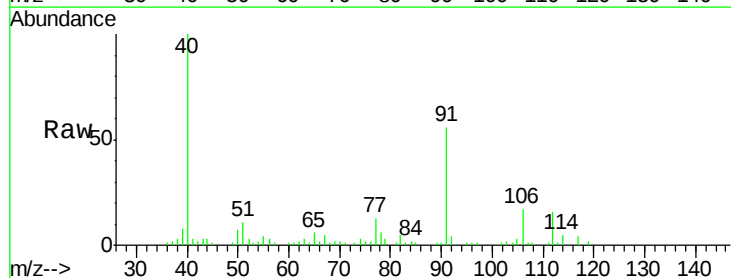
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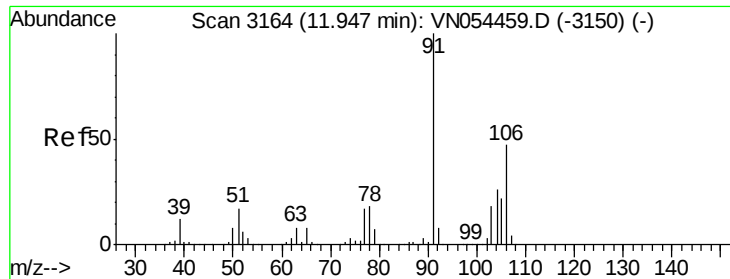
Tot Ion:112 Resp: 1017273
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9



#67
Ethyl Benzene
Concen: 0.951 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054622.D
Acq: 24 Mar 2019 00:13

Tgt Ion: 91 Resp: 26649
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3

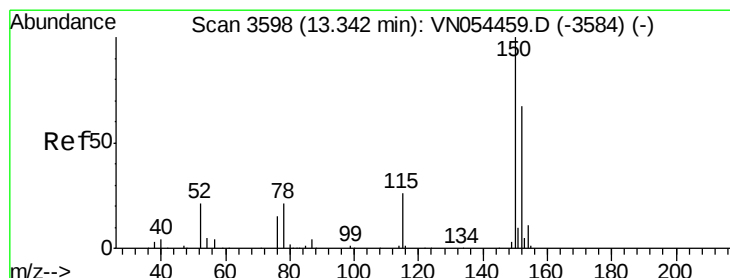
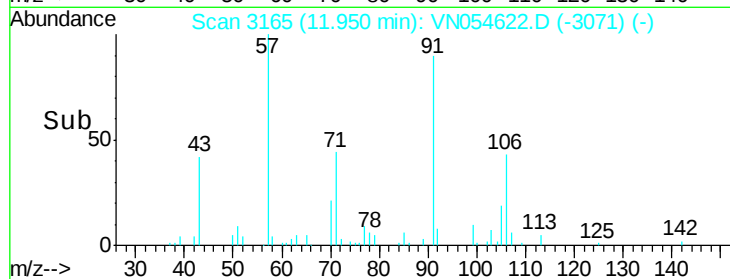
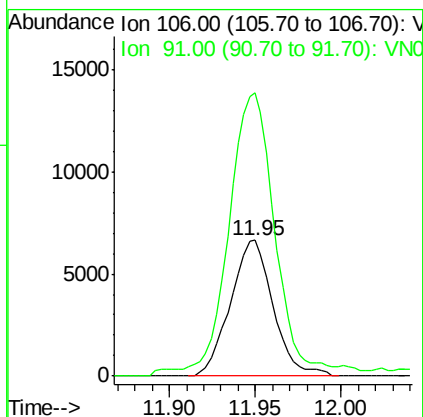
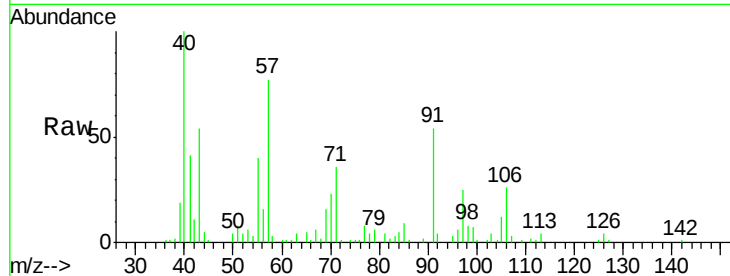




#69
o-Xylene
Concen: 1.111 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054622.D
Acq: 24 Mar 2019 00:13

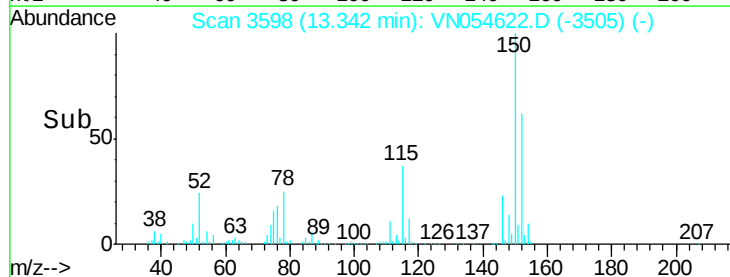
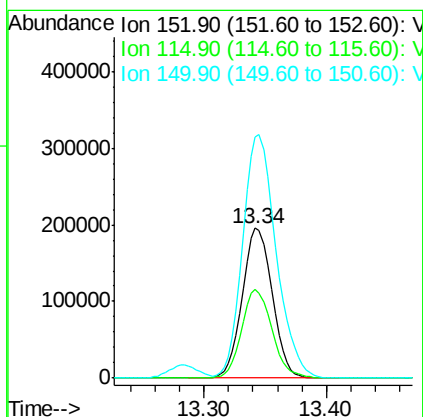
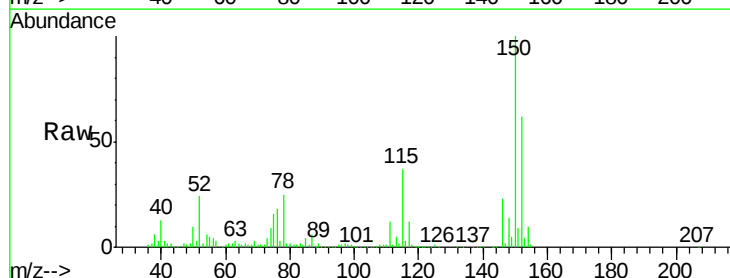
Instrument :
MSVOA_N
ClientSampleId :
WP022SB436-190320-(22-24)DL

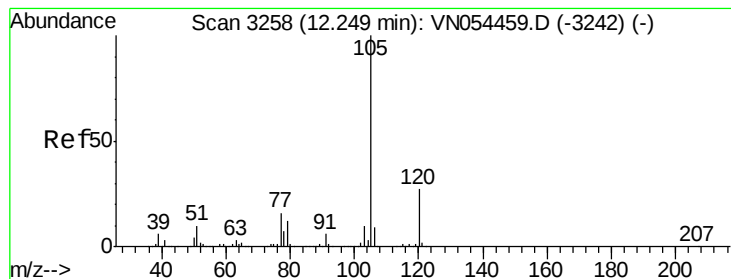
Tot Ion:106 Resp: 11513
Ion Ratio Lower Upper
106 100
91 208.4 105.7 317.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054622.D
Acq: 24 Mar 2019 00:13

Tgt Ion:152 Resp: 329912
Ion Ratio Lower Upper
152 100
115 59.7 27.2 81.6
150 181.6 0.0 349.2





#73

Isopropylbenzene

Concen: 0.860 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054622.D

Acq: 24 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

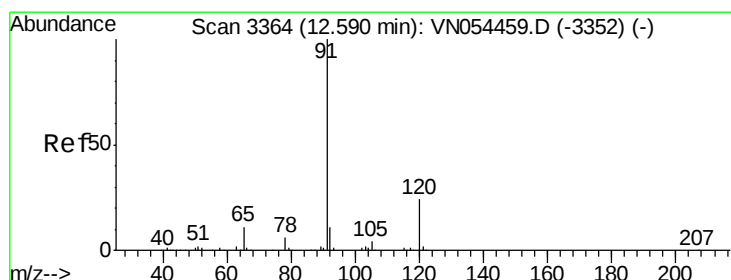
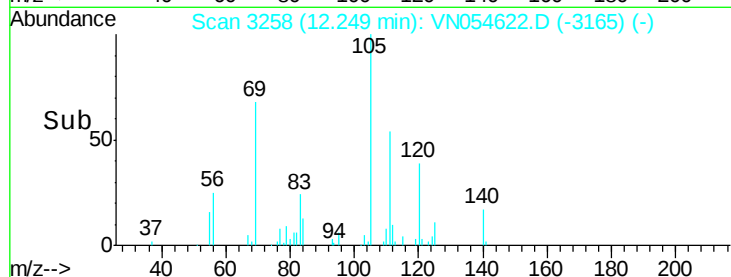
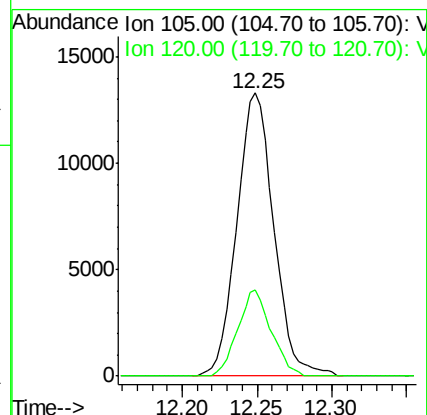
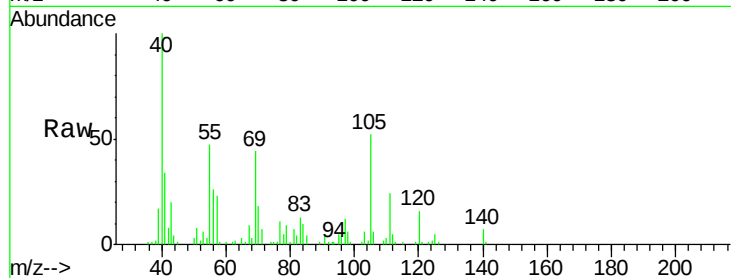
WP022SB436-190320-(22-24)DL

Tot Ion:105 Resp: 22874

Ion Ratio Lower Upper

105 100

120 27.4 13.8 41.3



#78

n-propylbenzene

Concen: 2.908 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054622.D

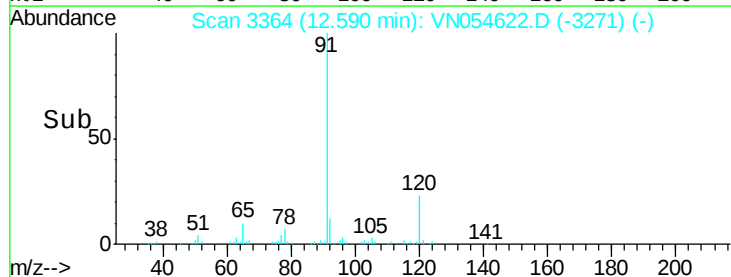
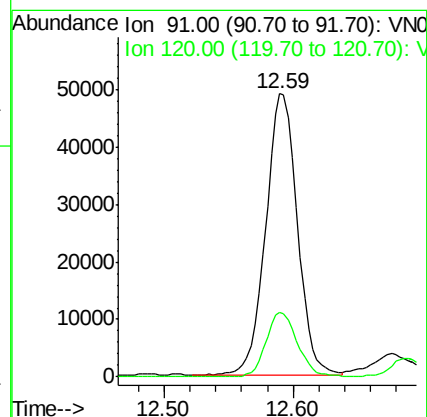
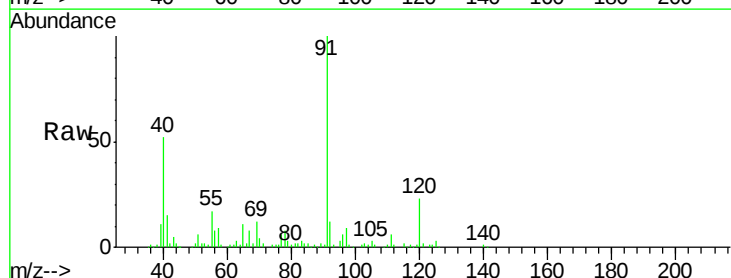
Acq: 24 Mar 2019 00:13

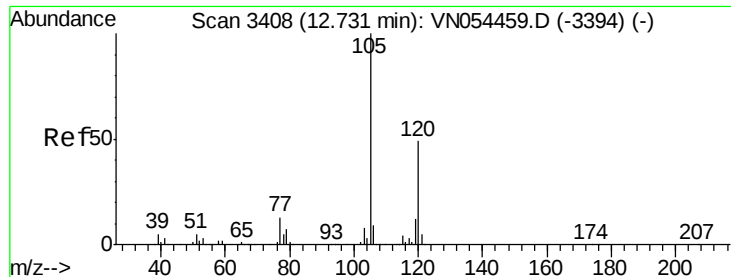
Tgt Ion: 91 Resp: 83828

Ion Ratio Lower Upper

91 100

120 22.9 12.3 36.9

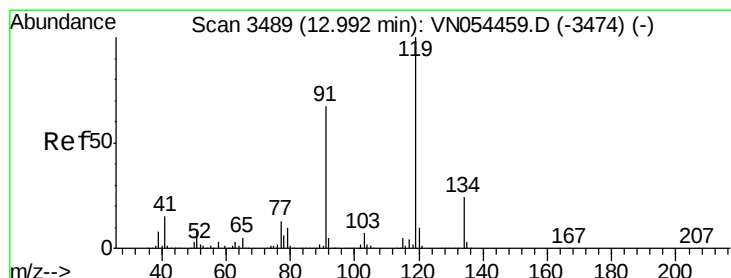
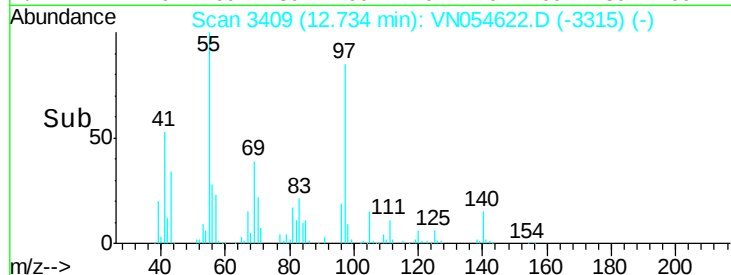
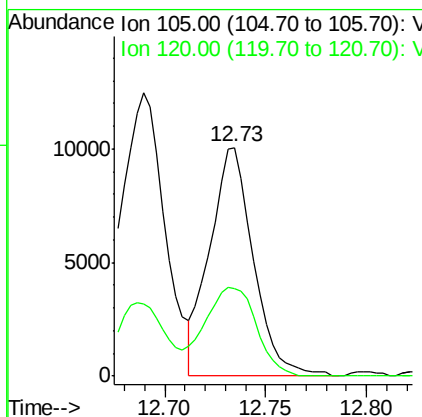
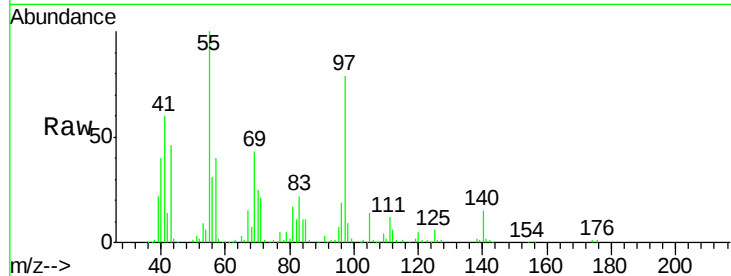




#80
 1,3,5-Trimethylbenzene
 Concen: 0.696 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054622.D
 Acq: 24 Mar 2019 00:13

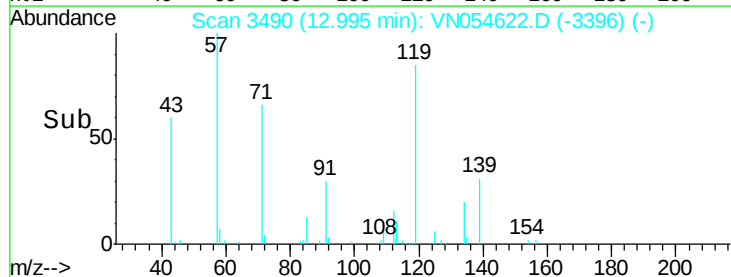
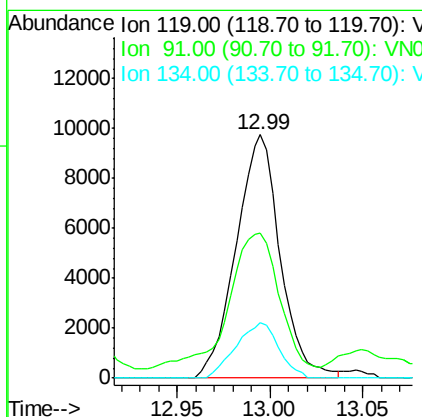
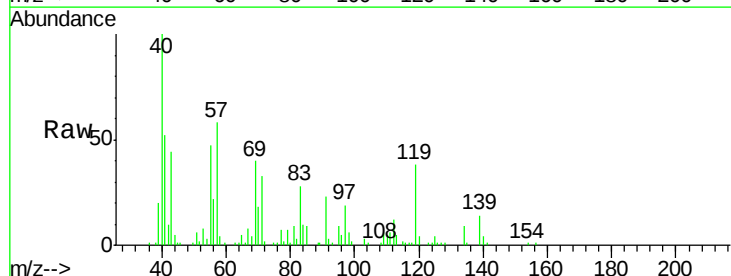
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB436-190320-(22-24)DL

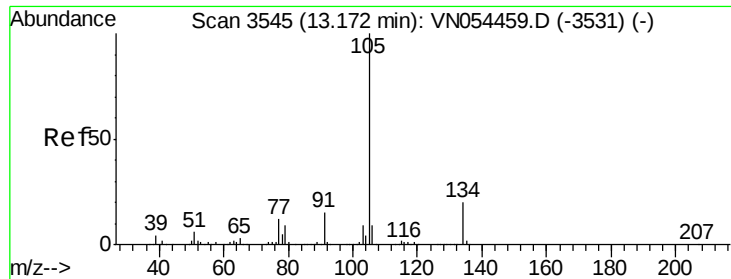
Tot Ion:105 Resp: 15162
 Ion Ratio Lower Upper
 105 100
 120 46.1 25.0 75.0



#83
 tert-Butylbenzene
 Concen: 0.847 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054622.D
 Acq: 24 Mar 2019 00:13

Tgt Ion:119 Resp: 16064
 Ion Ratio Lower Upper
 119 100
 91 63.6 30.9 92.8
 134 22.2 13.2 39.6





#85

sec-Butylbenzene

Concen: 2.879 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054622.D

Acq: 24 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

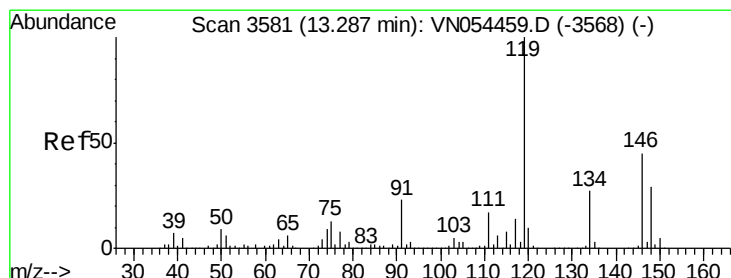
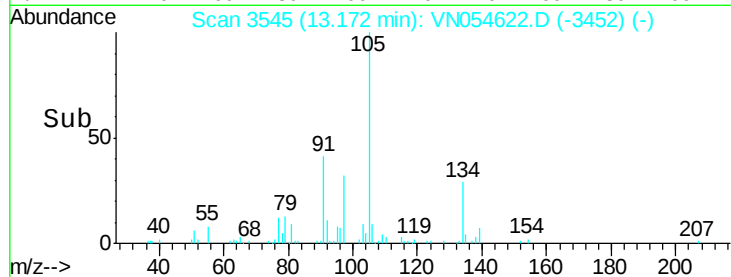
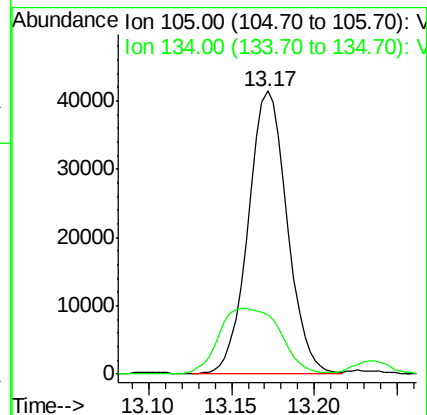
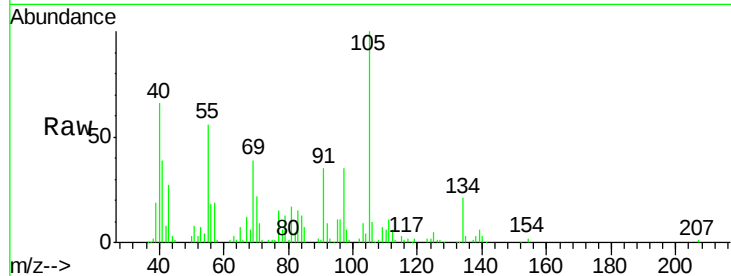
WP022SB436-190320-(22-24)DL

Tot Ion:105 Resp: 68078

Ion Ratio Lower Upper

105 100

134 36.3 10.7 32.1#



#86

p-Isopropyltoluene

Concen: 0.756 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054622.D

Acq: 24 Mar 2019 00:13

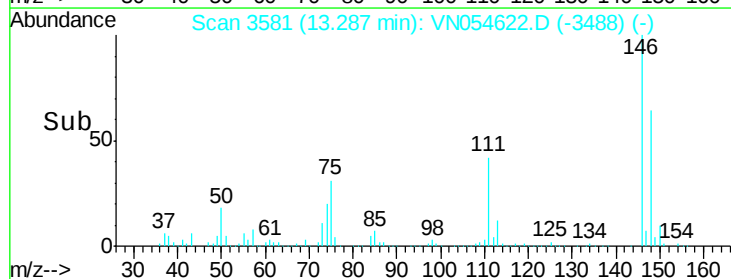
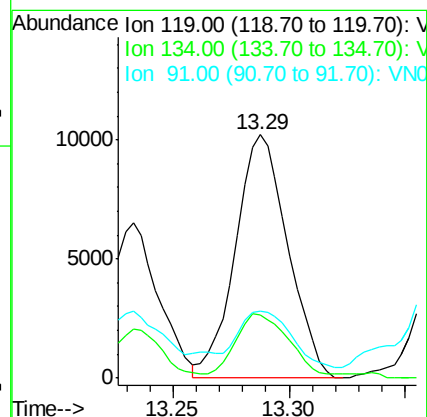
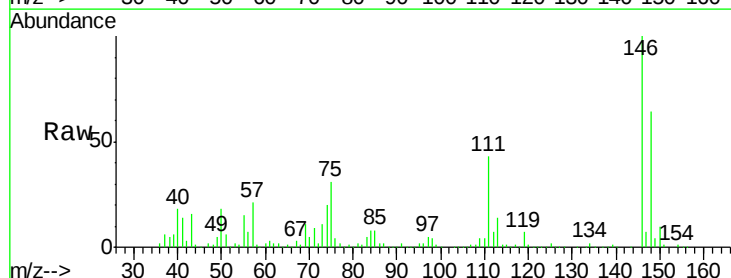
Tgt Ion:119 Resp: 15993

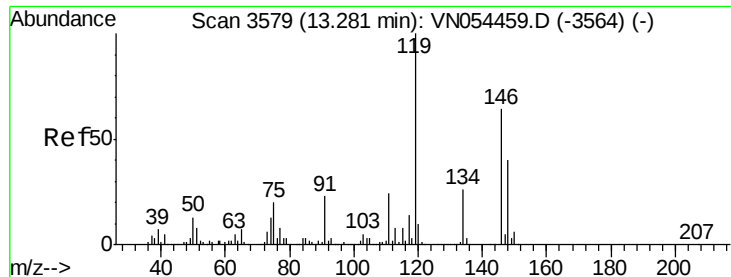
Ion Ratio Lower Upper

119 100

134 24.3 13.6 40.8

91 23.5 11.1 33.3

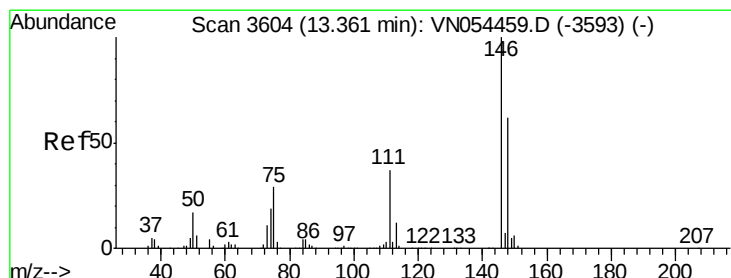
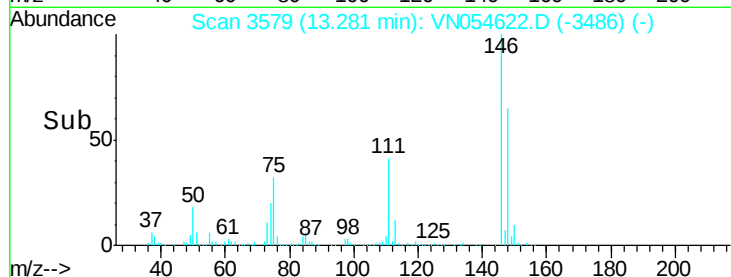
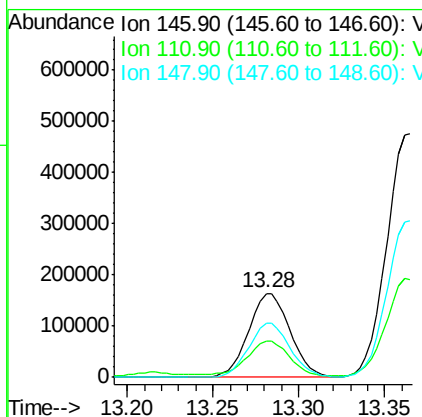
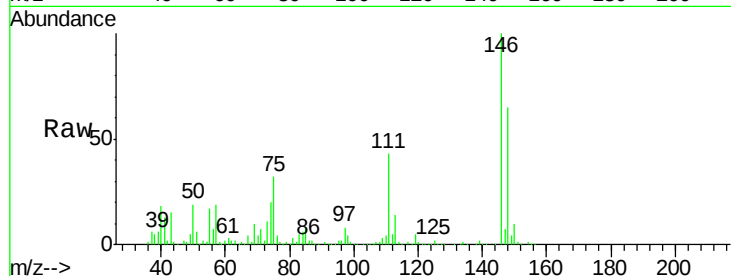




#87
 1,3-Dichlorobenzene
 Concen: 25.140 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054622.D
 Acq: 24 Mar 2019 00:13

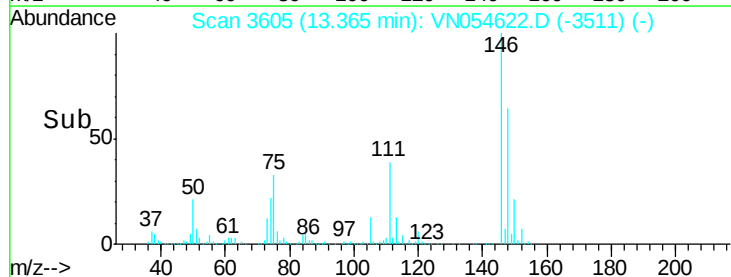
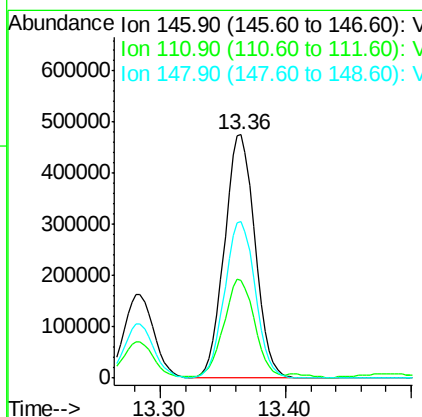
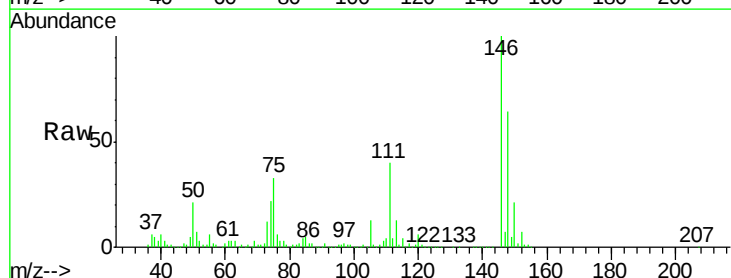
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB436-190320-(22-24)DL

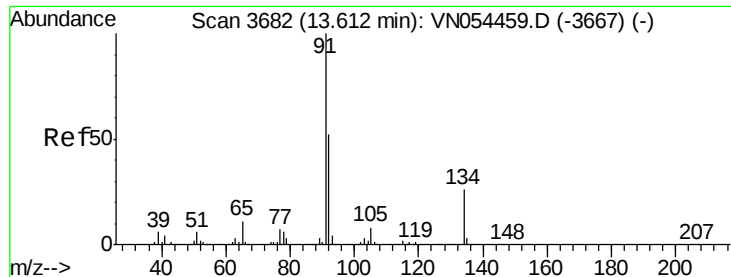
Tot Ion:146 Resp: 274694
 Ion Ratio Lower Upper
 146 100
 111 41.5 18.8 56.3
 148 64.2 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 75.667 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054622.D
 Acq: 24 Mar 2019 00:13

Tgt Ion:146 Resp: 804415
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.1 54.1
 148 64.6 32.0 96.0





#89

n-Butylbenzene

Concen: 4.581 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054622.D

Acq: 24 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

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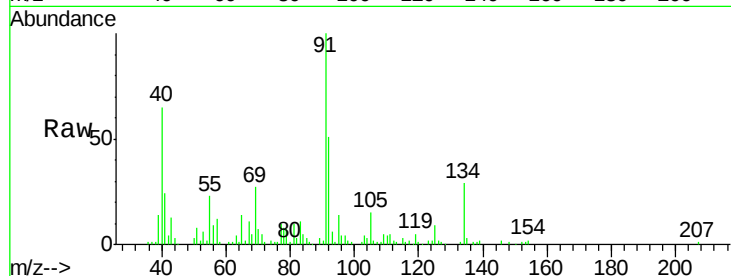
Tot Ion: 91 Resp: 75772

Ion Ratio Lower Upper

91 100

92 46.3 26.2 78.6

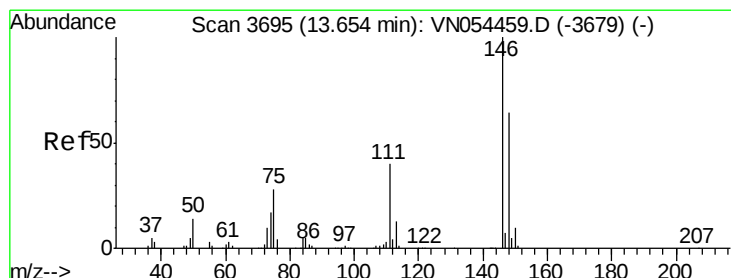
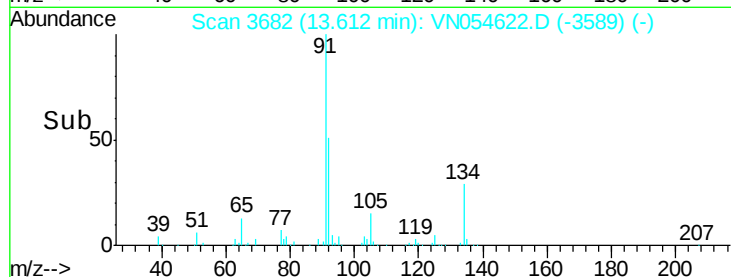
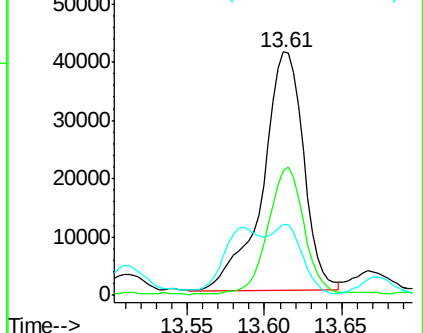
134 0.0 14.3 42.9#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#91

1,2-Dichlorobenzene

Concen: 102.373 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054622.D

Acq: 24 Mar 2019 00:13

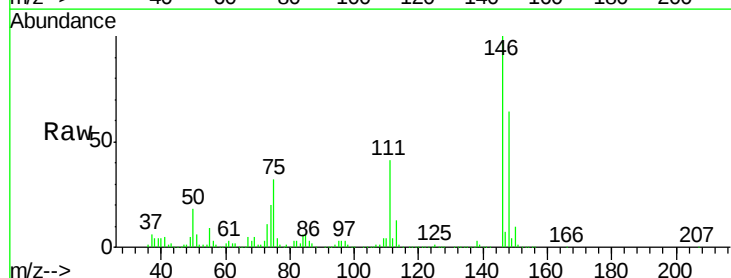
Tgt Ion: 146 Resp: 1083431

Ion Ratio Lower Upper

146 100

111 42.4 19.1 57.3

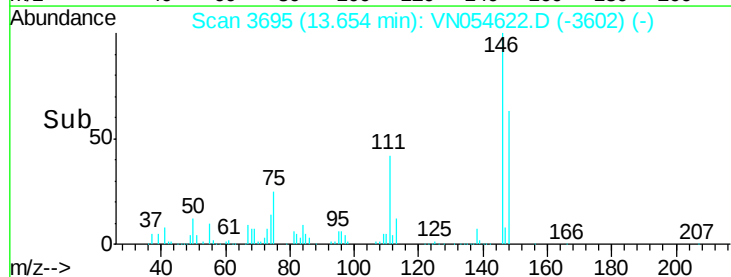
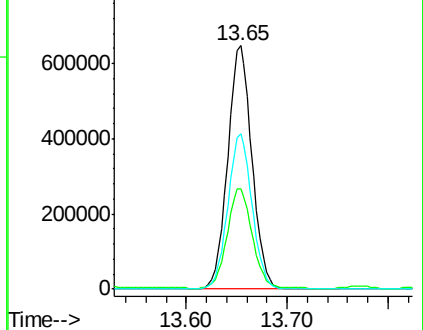
148 63.7 32.4 97.0

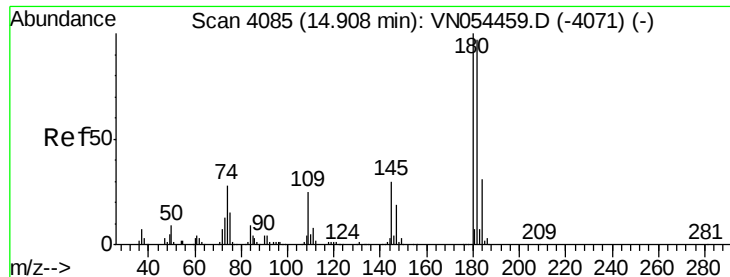


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#93

1,2,4-Trichlorobenzene

Concen: 7.196 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054622.D

Acq: 24 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

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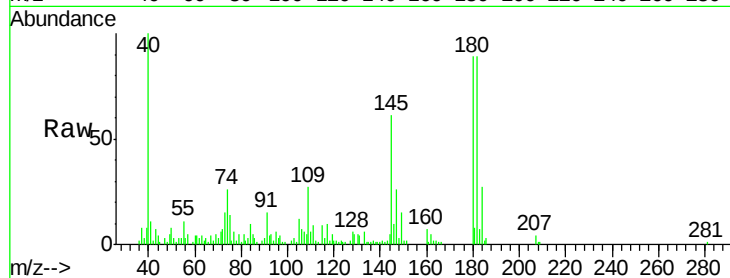
Tot Ion:180 Resp: 37965

Ion Ratio Lower Upper

180 100

182 97.3 48.0 144.2

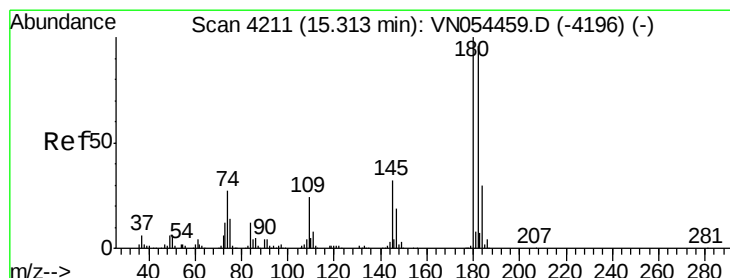
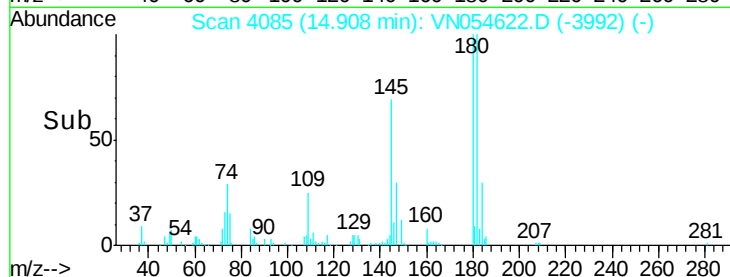
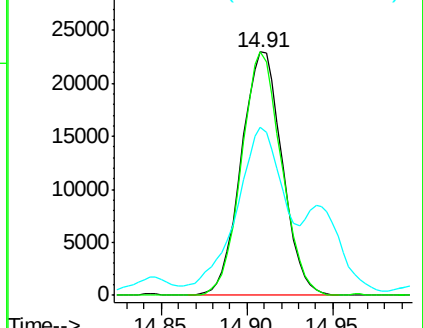
145 73.3 14.2 42.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.679 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054622.D

Acq: 24 Mar 2019 00:13

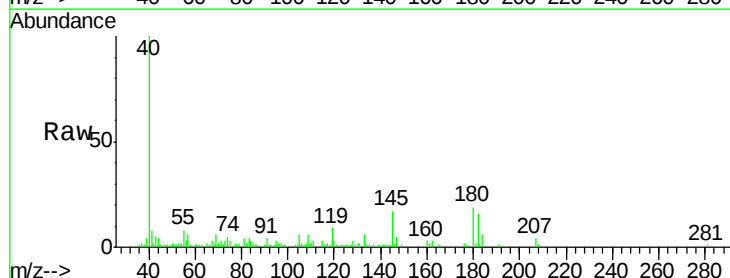
Tgt Ion:180 Resp: 8816

Ion Ratio Lower Upper

180 100

182 89.5 47.5 142.6

145 55.9 14.8 44.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

