

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054510.D
 Acq On : 21 Mar 2019 14:47
 Operator : JC/SP
 Sample : K1994-03
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30211-16

Quant Time: Mar 22 10:28:18 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	659632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1005062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	825321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	367687	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	389885	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
35) Dibromofluoromethane	7.59	113	304488	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	10.09	98	1199189	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.40	95	382667	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	

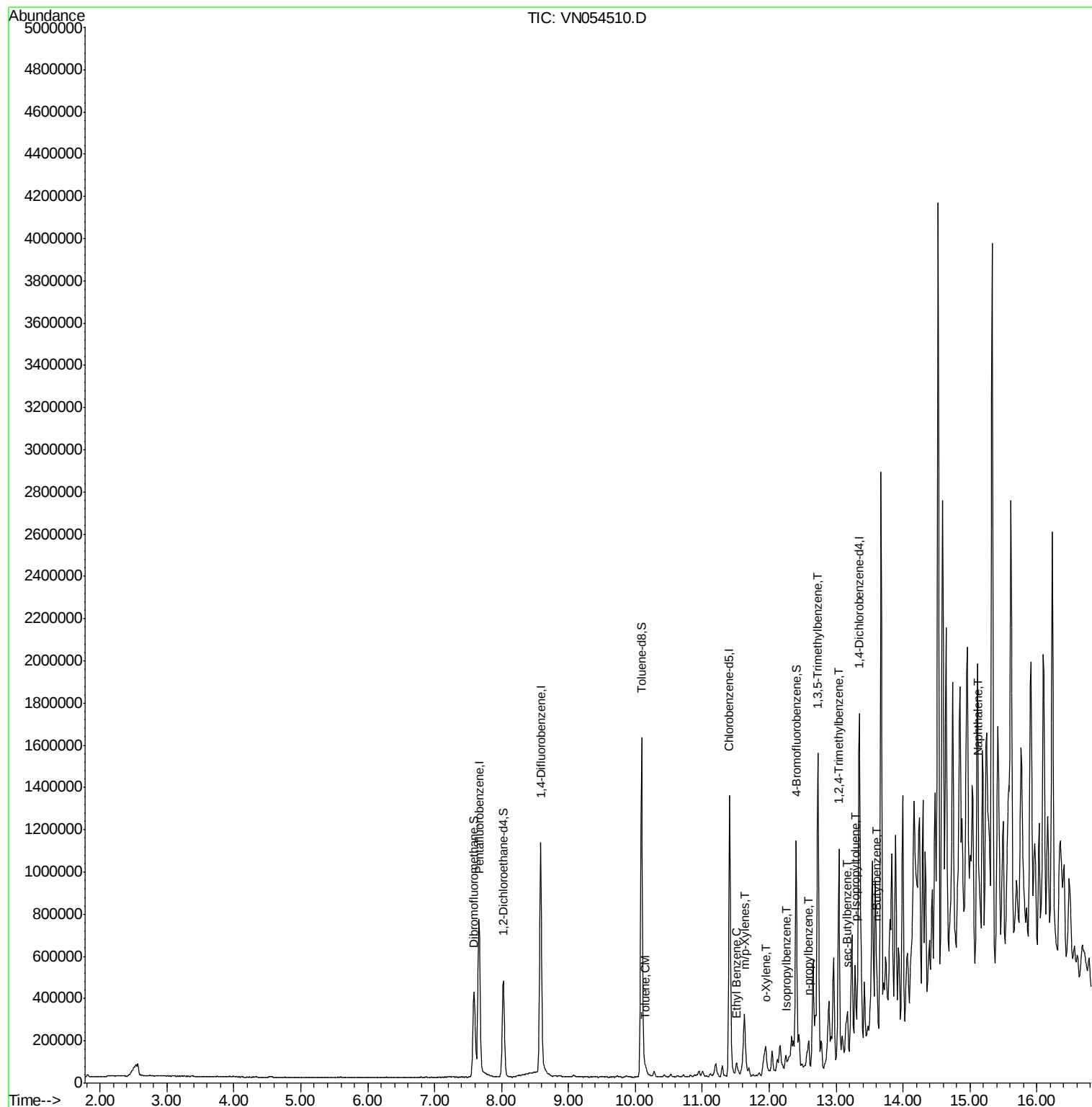
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
52) Toluene	10.16	92	3318	0.201	ug/l	99
67) Ethyl Benzene	11.51	91	42426	1.431	ug/l	98
68) m/p-Xylenes	11.62	106	44108	3.927	ug/l	99
69) o-Xylene	11.95	106	30722	2.801	ug/l	98
73) Isopropylbenzene	12.25	105	39987	1.350	ug/l	96
78) n-propylbenzene	12.59	91	114773	3.572	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	145254	5.982	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	531725	22.316	ug/l	98
85) sec-Butylbenzene	13.17	105	102173	3.878	ug/l	96
86) p-Isopropyltoluene	13.29	119	69247	2.937	ug/l	97
89) n-Butylbenzene	13.61	91	105090	5.701	ug/l #	75
95) Naphthalene	15.13	128	67771	5.167	ug/l #	92

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

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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: VN054510.D

Acq: 21 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

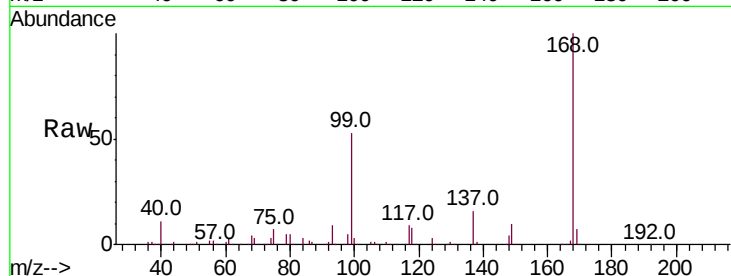
30211-16

Tot Ion:168 Resp: 659632

Ion Ratio Lower Upper

168 100

99 53.4 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

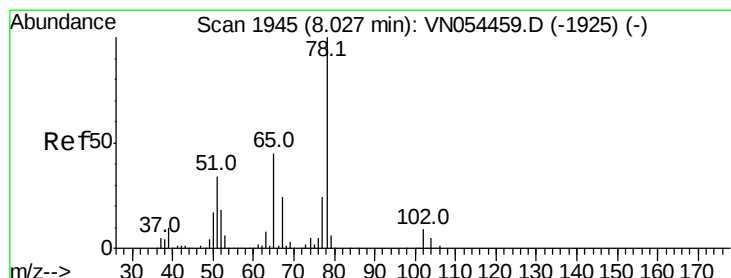
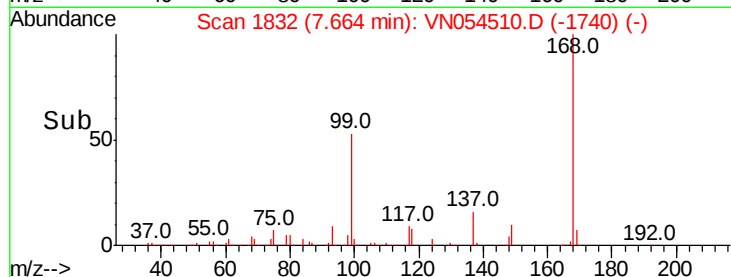
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.519 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054510.D

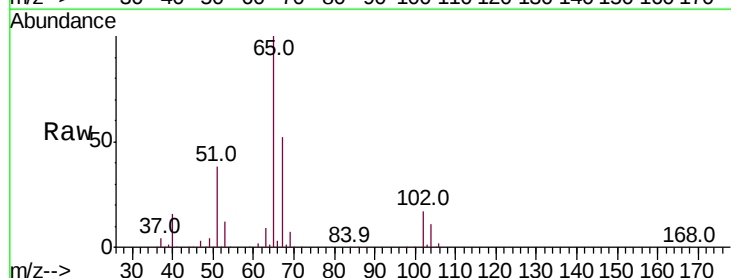
Acq: 21 Mar 2019 14:47

Tgt Ion: 65 Resp: 389885

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.03

200000

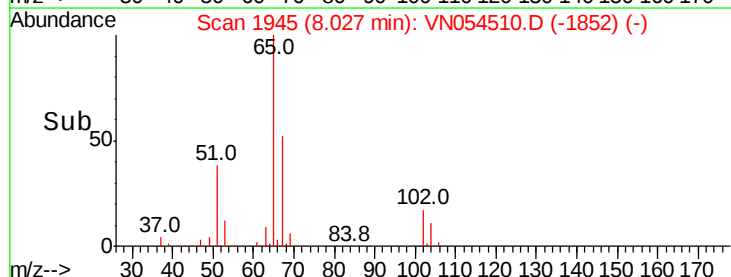
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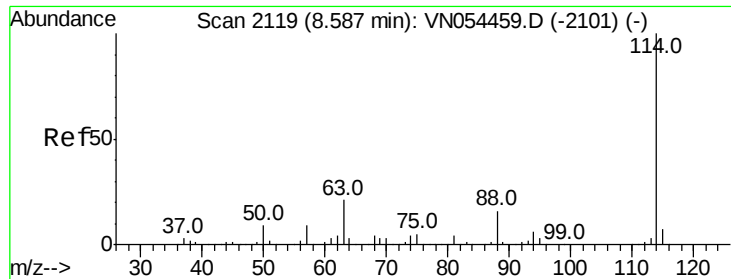
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Time-->



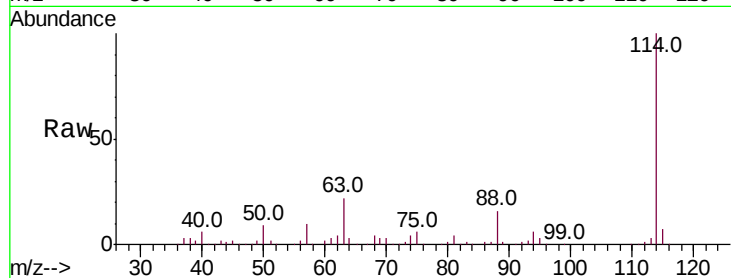


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054510.D
 Acq: 21 Mar 2019 14:47

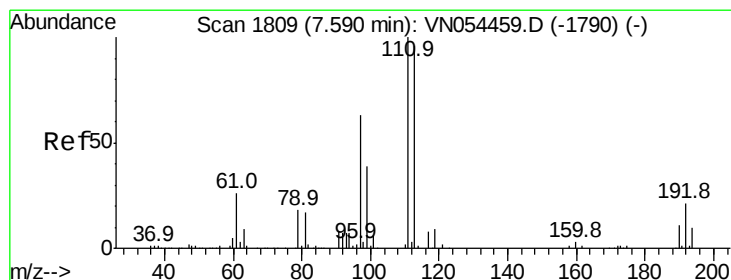
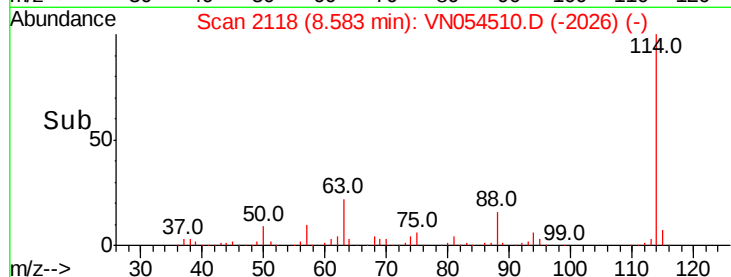
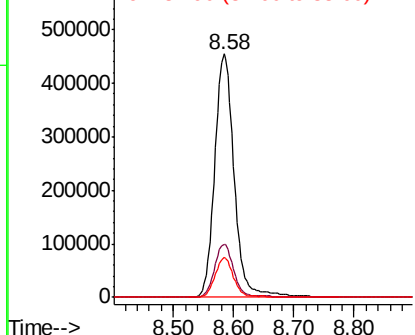
Instrument :
 MSVOA_N
 ClientSampled :
 30211-16

Tot Ion:114 Resp: 1005062

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	35.2
88	16.4	0.0	30.2



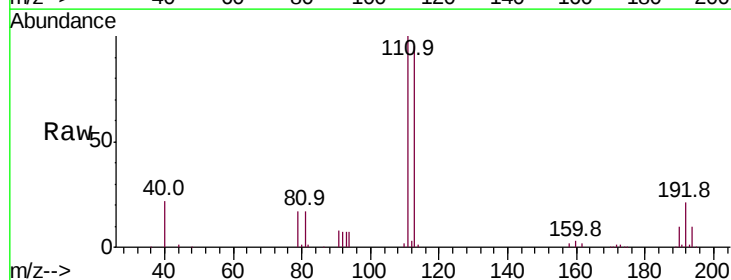
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



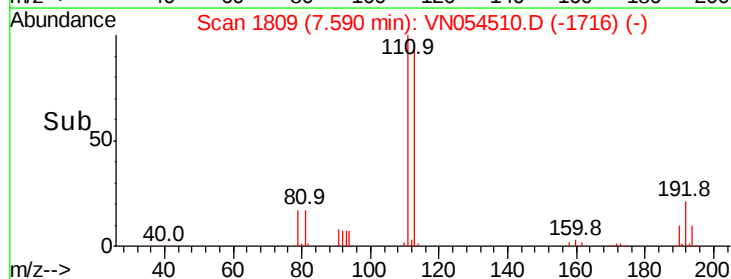
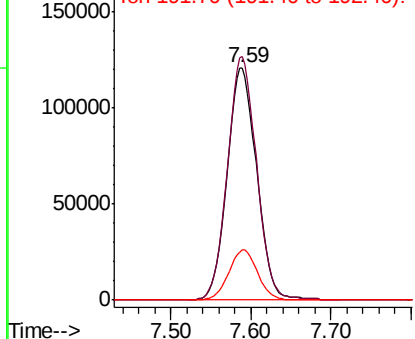
#35
 Dibromofluoromethane
 Concen: 47.024 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054510.D
 Acq: 21 Mar 2019 14:47

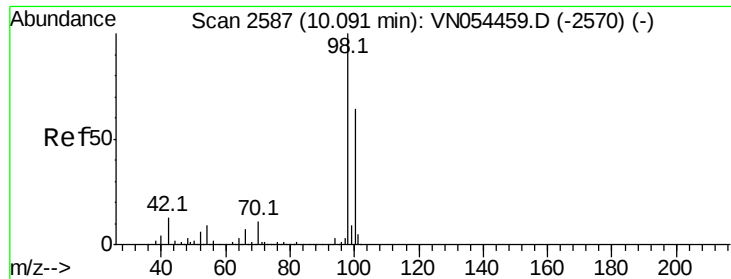
Tgt Ion:113 Resp: 304488

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.4
192	20.9	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

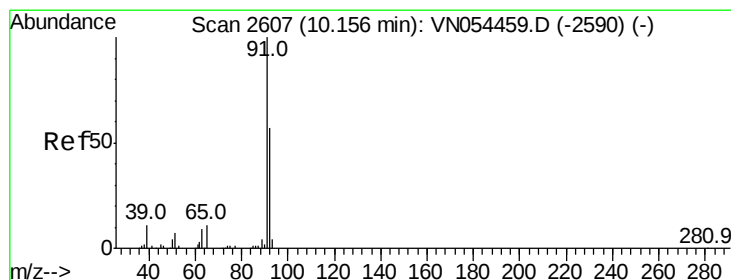
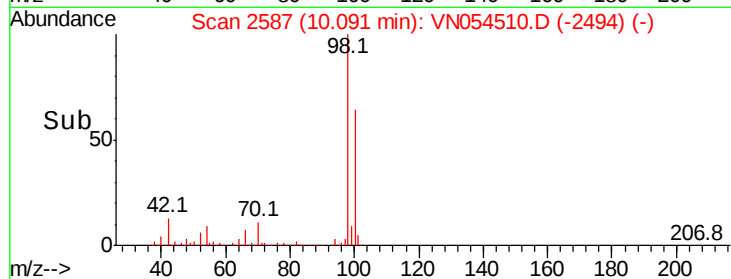
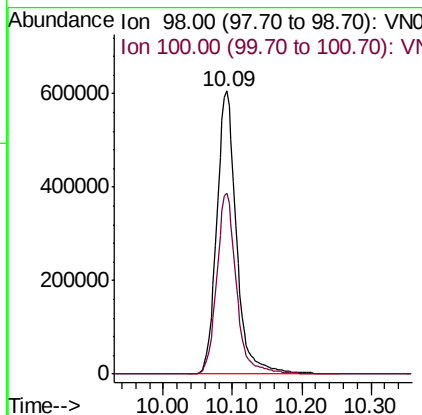
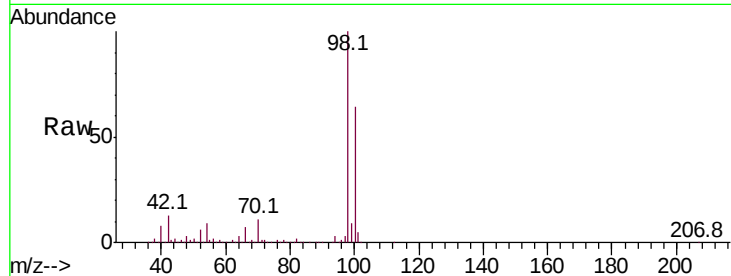




#50
Toluene-d8
Concen: 49.263 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054510.D
Acq: 21 Mar 2019 14:47

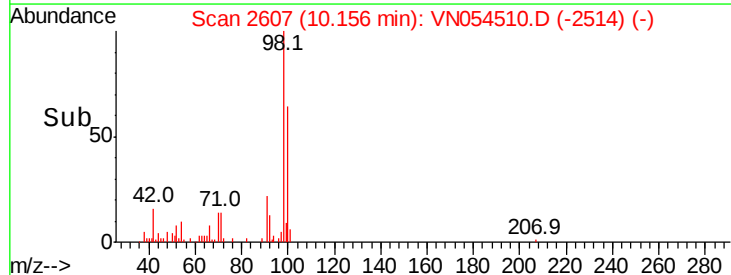
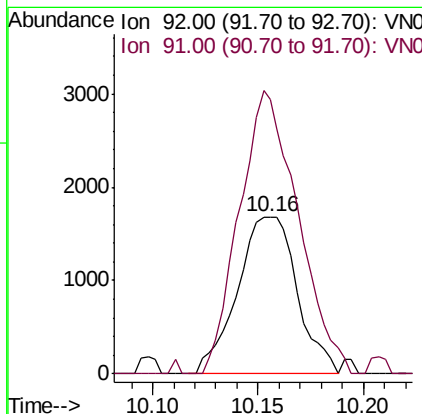
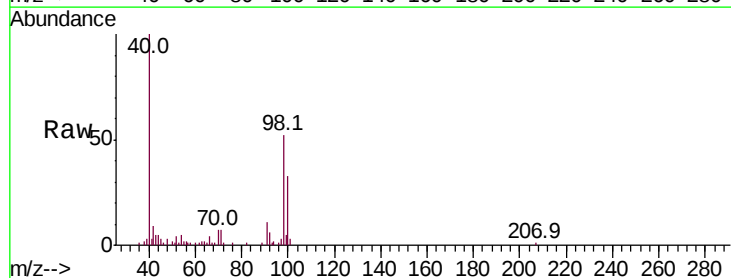
Instrument :
MSVOA_N
ClientSampleId :
30211-16

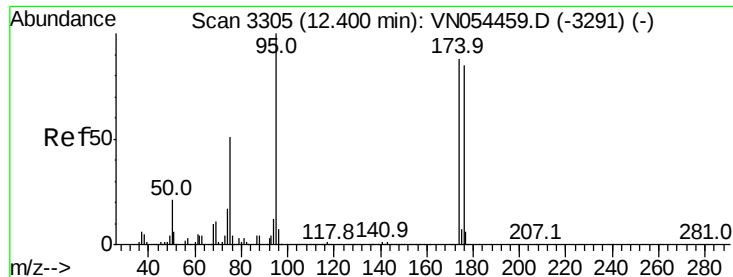
Tot Ion: 98 Resp: 1199189
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8



#52
Toluene
Concen: 0.201 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054510.D
Acq: 21 Mar 2019 14:47

Tgt Ion: 92 Resp: 3318
Ion Ratio Lower Upper
92 100
91 176.9 140.7 211.1





#62

4-Bromofluorobenzene

Concen: 46.197 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054510.D

Acq: 21 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

30211-16

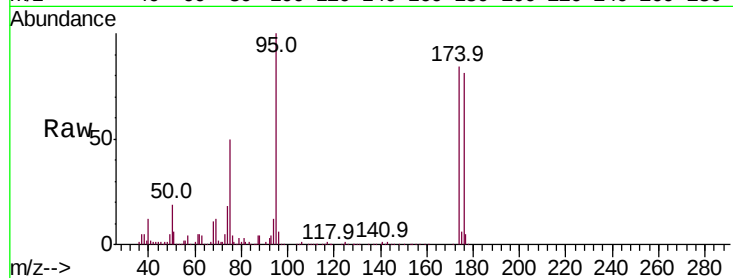
Tot Ion: 95 Resp: 382667

Ion Ratio Lower Upper

95 100

174 85.8 0.0 191.0

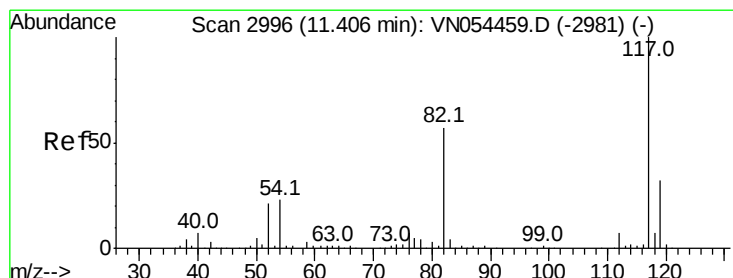
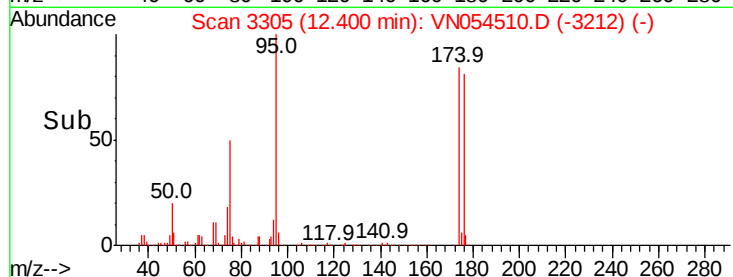
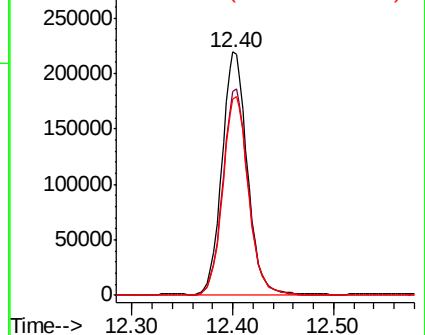
176 83.0 0.0 187.4



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: VN054510.D

Acq: 21 Mar 2019 14:47

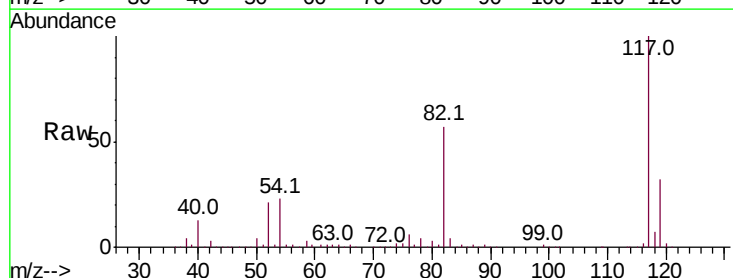
Tgt Ion: 117 Resp: 825321

Ion Ratio Lower Upper

117 100

82 56.6 40.0 60.0

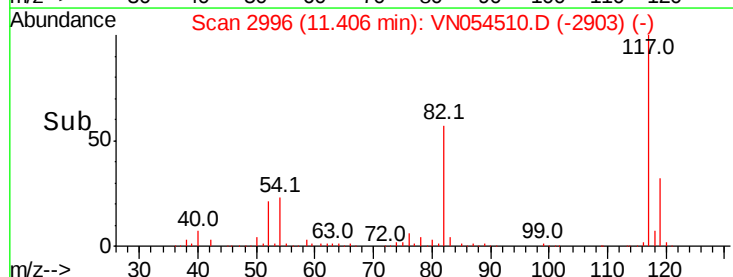
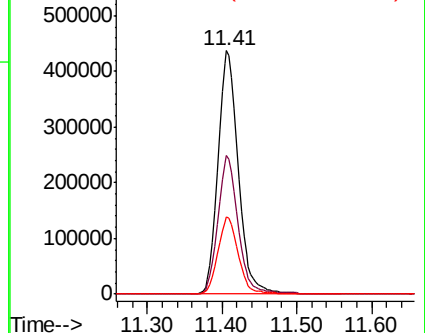
119 31.8 25.8 38.6

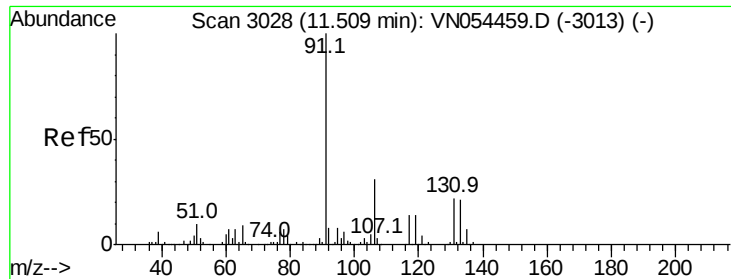


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

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

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

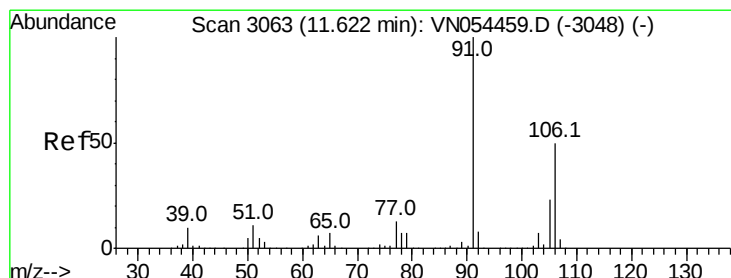
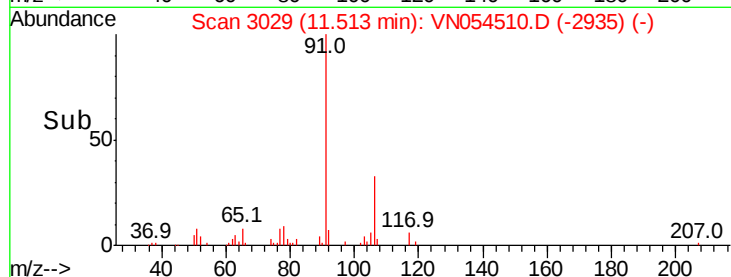
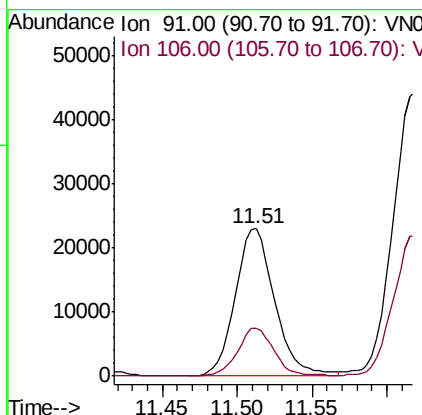
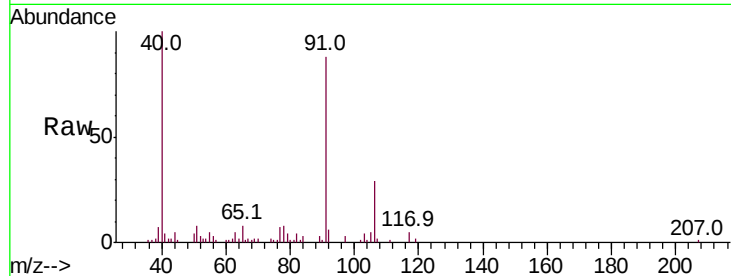




#67
Ethyl Benzene
Concen: 1.431 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054510.D
Acq: 21 Mar 2019 14:47

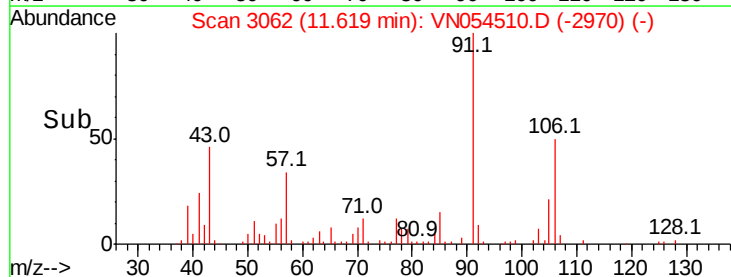
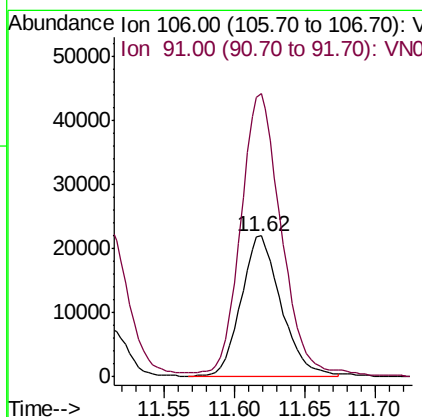
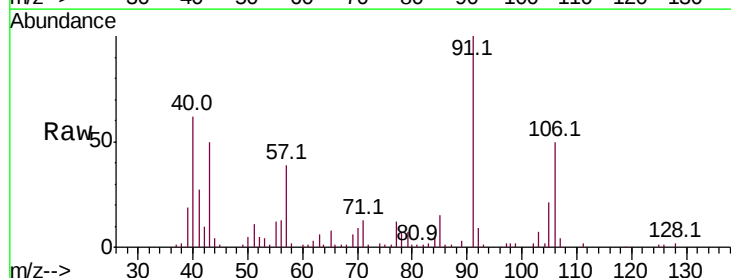
Instrument :
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30211-16

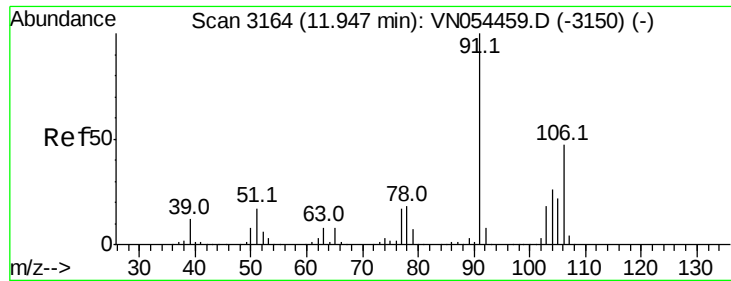
Tot Ion: 91 Resp: 42426
Ion Ratio Lower Upper
91 100
106 32.9 25.5 38.3



#68
m/p-Xylenes
Concen: 3.927 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054510.D
Acq: 21 Mar 2019 14:47

Tgt Ion: 106 Resp: 44108
Ion Ratio Lower Upper
106 100
91 201.2 159.4 239.2

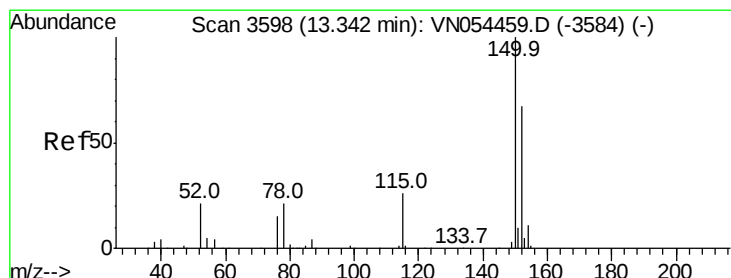
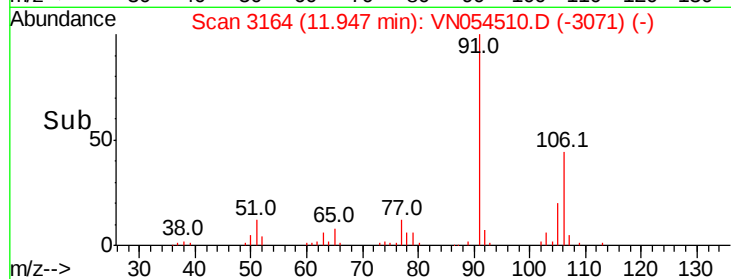
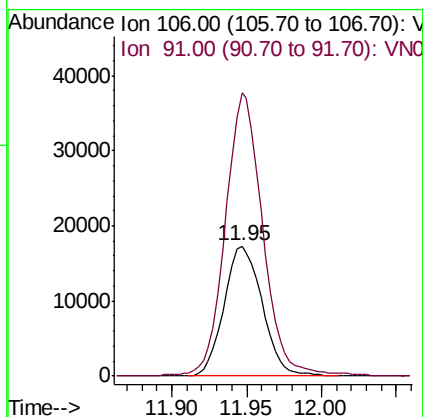
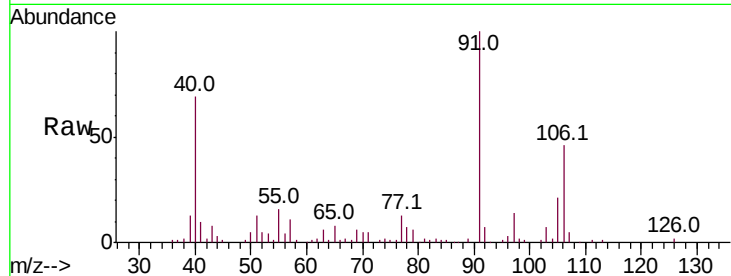




#69
o-Xylene
Concen: 2.801 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054510.D
Acq: 21 Mar 2019 14:47

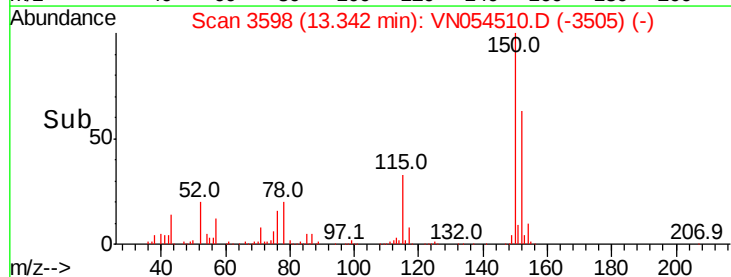
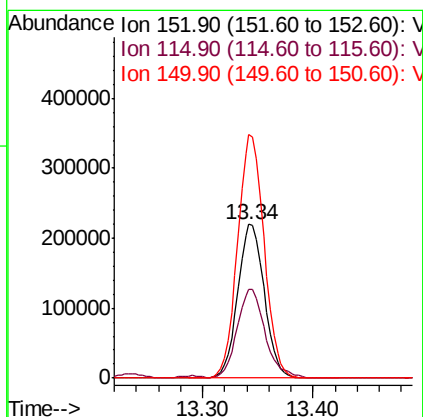
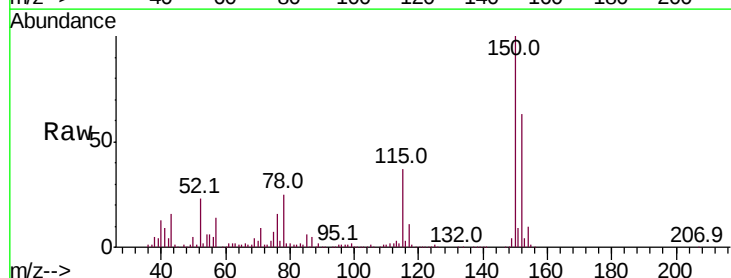
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MSVOA_N
ClientSampleId :
30211-16

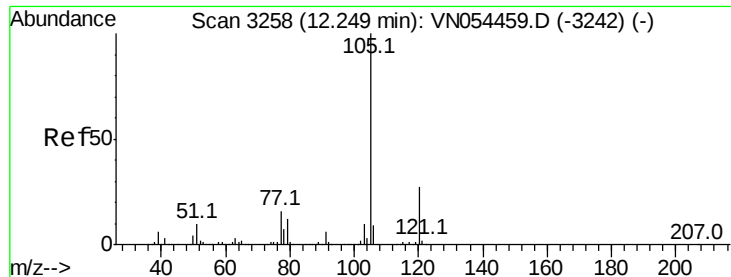
Tot Ion:106 Resp: 30722
Ion Ratio Lower Upper
106 100
91 214.3 105.7 317.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054510.D
Acq: 21 Mar 2019 14:47

Tgt Ion:152 Resp: 367687
Ion Ratio Lower Upper
152 100
115 60.9 27.2 81.6
150 157.5 0.0 349.2





#73

Isopropylbenzene

Concen: 1.350 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054510.D

Acq: 21 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

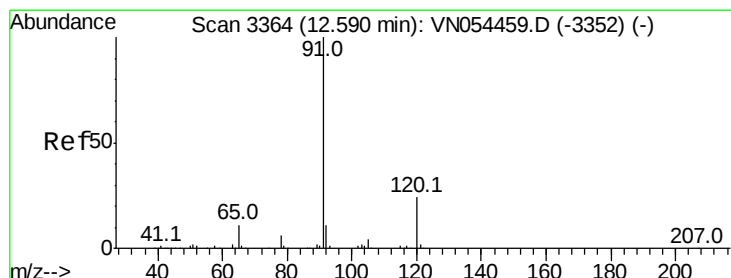
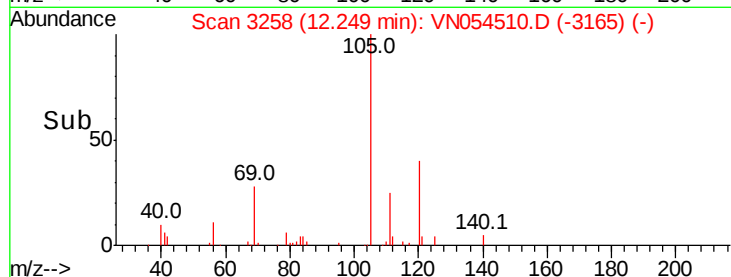
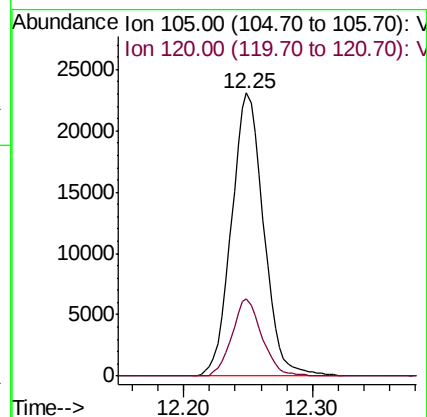
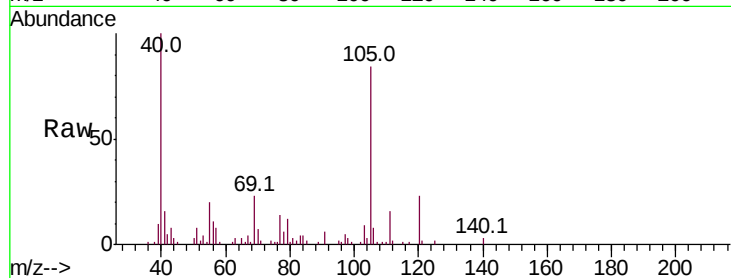
30211-16

Tot Ion:105 Resp: 39987

Ion Ratio Lower Upper

105 100

120 25.4 13.8 41.3



#78

n-propylbenzene

Concen: 3.572 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054510.D

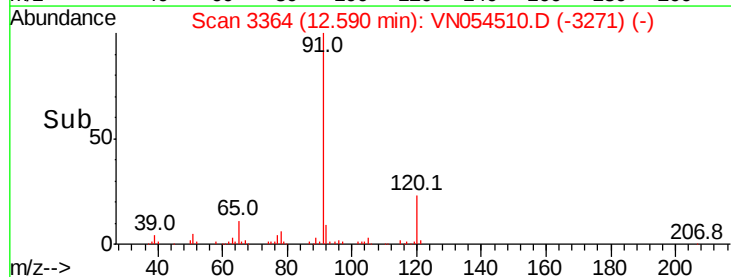
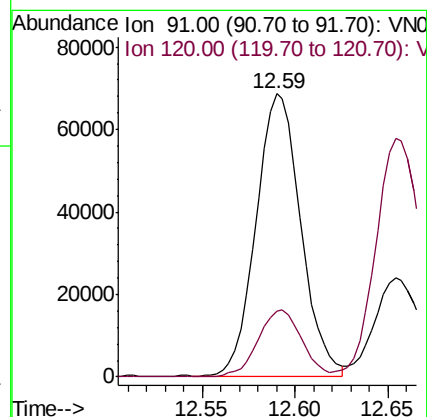
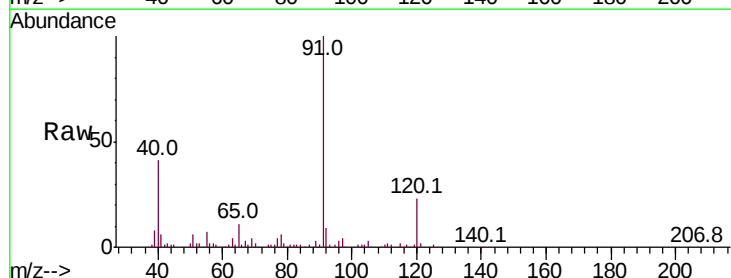
Acq: 21 Mar 2019 14:47

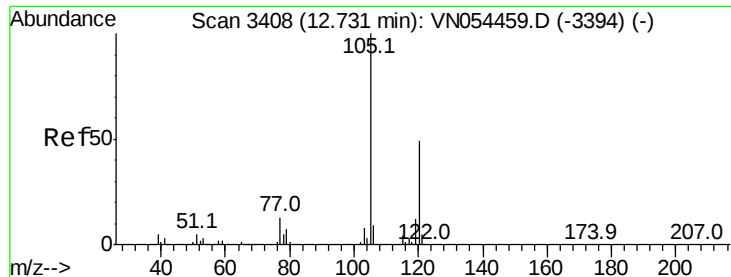
Tgt Ion: 91 Resp: 114773

Ion Ratio Lower Upper

91 100

120 23.3 12.3 36.9





#80

1,3,5-Trimethylbenzene

Concen: 5.982 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054510.D

Acq: 21 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

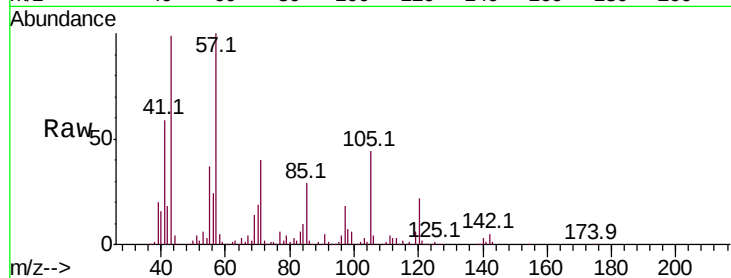
30211-16

Tot Ion:105 Resp: 145254

Ion Ratio Lower Upper

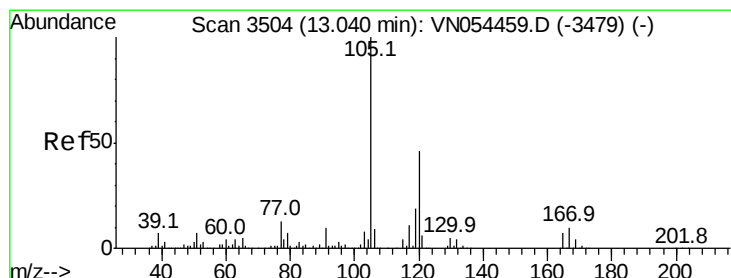
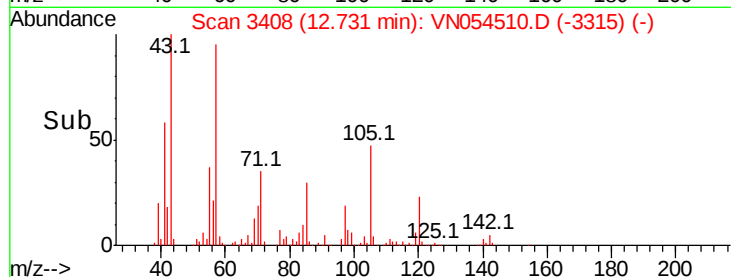
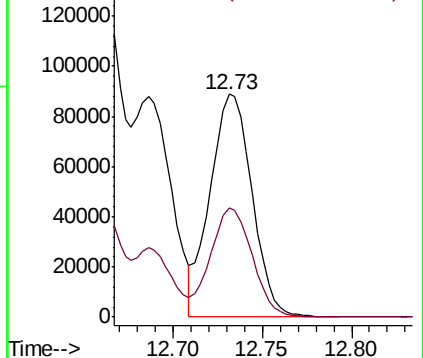
105 100

120 48.8 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.316 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054510.D

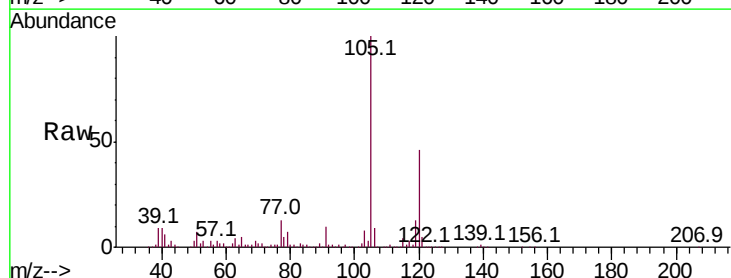
Acq: 21 Mar 2019 14:47

Tgt Ion:105 Resp: 531725

Ion Ratio Lower Upper

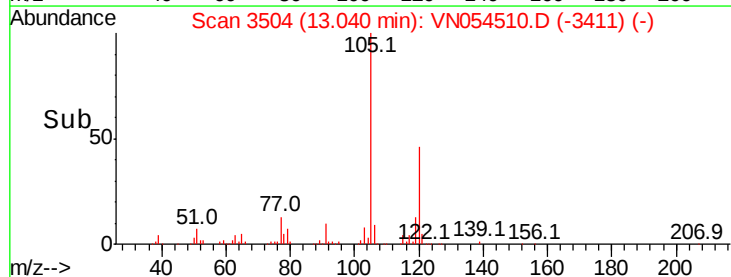
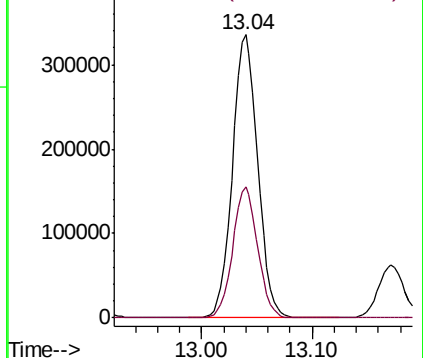
105 100

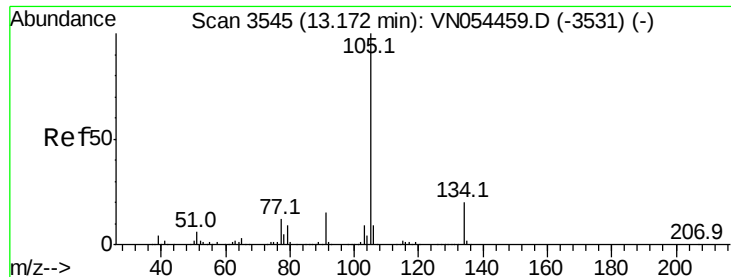
120 45.5 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.878 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054510.D

Acq: 21 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

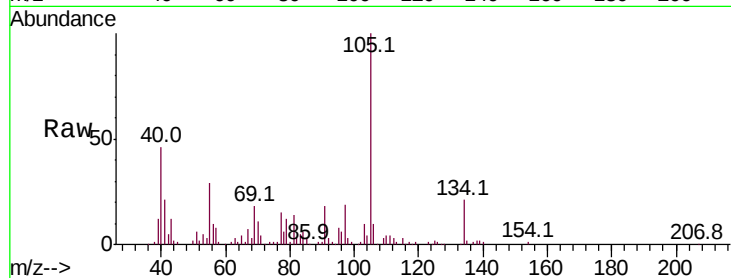
30211-16

Tot Ion:105 Resp: 102173

Ion Ratio Lower Upper

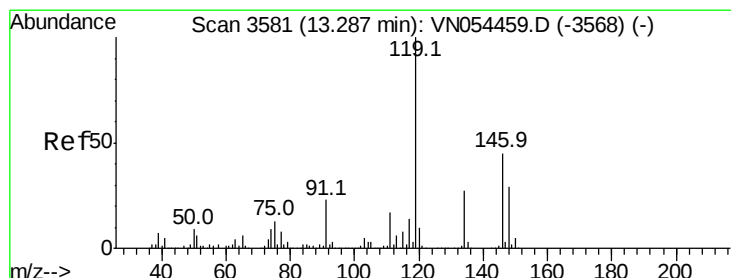
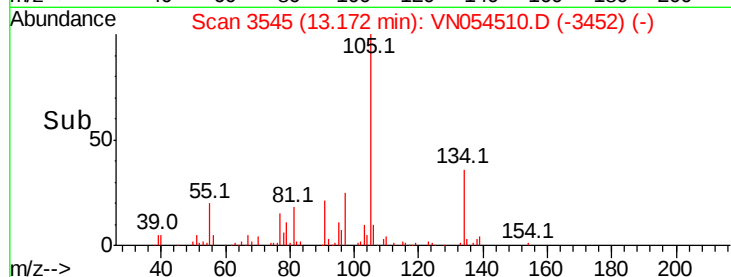
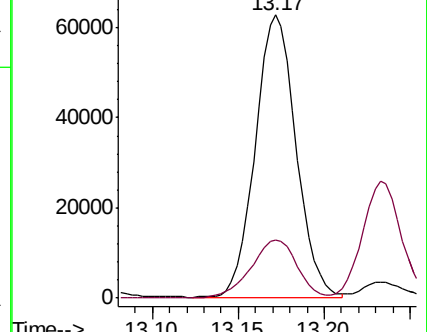
105 100

134 23.5 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.937 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054510.D

Acq: 21 Mar 2019 14:47

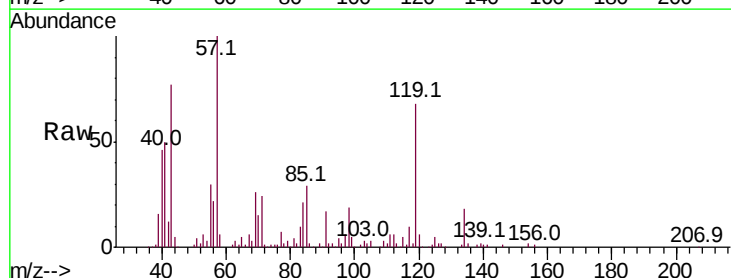
Tgt Ion:119 Resp: 69247

Ion Ratio Lower Upper

119 100

134 25.4 13.6 40.8

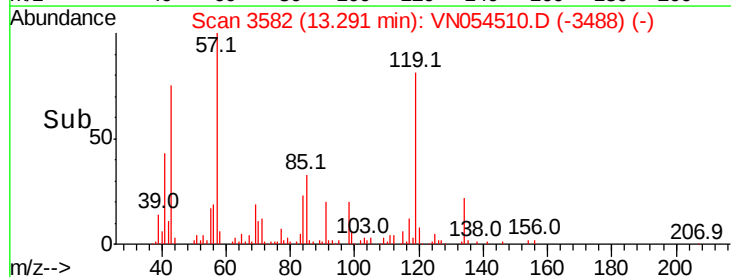
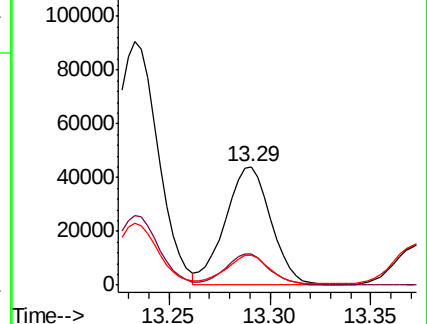
91 23.3 11.1 33.3

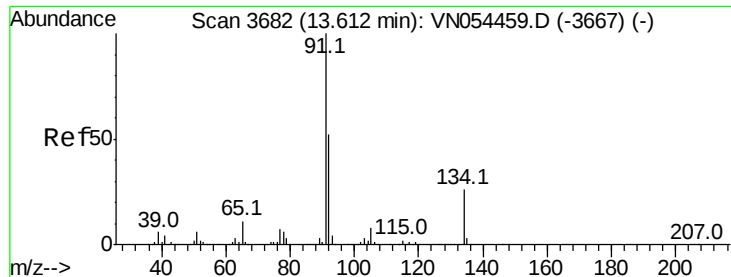


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 5.701 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054510.D

Acq: 21 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

30211-16

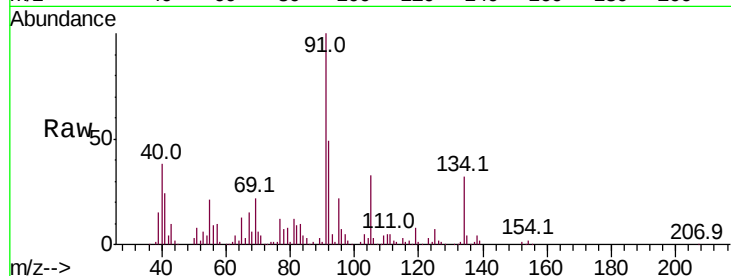
Tot Ion: 91 Resp: 105090

Ion Ratio Lower Upper

91 100

92 59.3 26.2 78.6

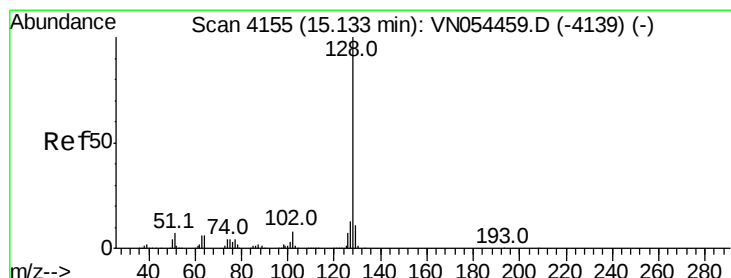
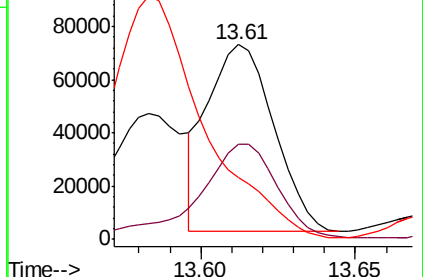
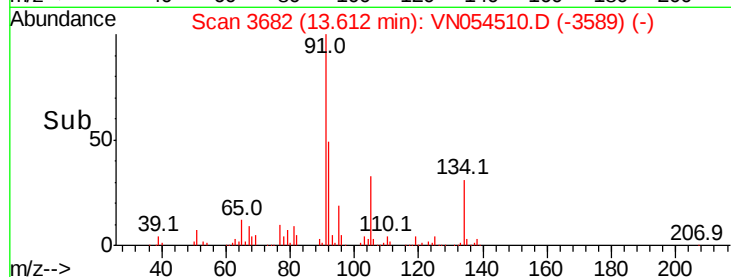
134 0.0 14.3 42.9#



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)



#95

Naphthalene

Concen: 5.167 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054510.D

Acq: 21 Mar 2019 14:47

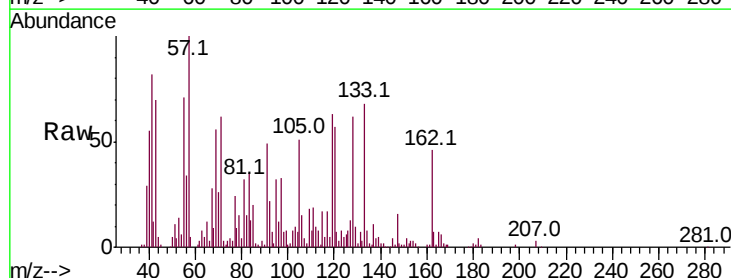
Tgt Ion: 128 Resp: 67771

Ion Ratio Lower Upper

128 100

127 15.2 10.1 15.1#

129 14.4 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN054459.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN054459.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN054459.D (-4139) (-)

