

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054419.D
 Acq On : 19 Mar 2019 3:40
 Operator : JC/SP
 Sample : K1970-08 10X
 Misc : 6.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P-8-W.WALL-S.CENTER

Quant Time: Mar 19 07:37:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1817263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2606143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2255514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1015127	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	862844	44.71	ug/l	0.00
Spiked Amount			Recovery	=	89.42%	
35) Dibromofluoromethane	7.59	113	785082	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
50) Toluene-d8	10.09	98	3033026	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.40	95	982472	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

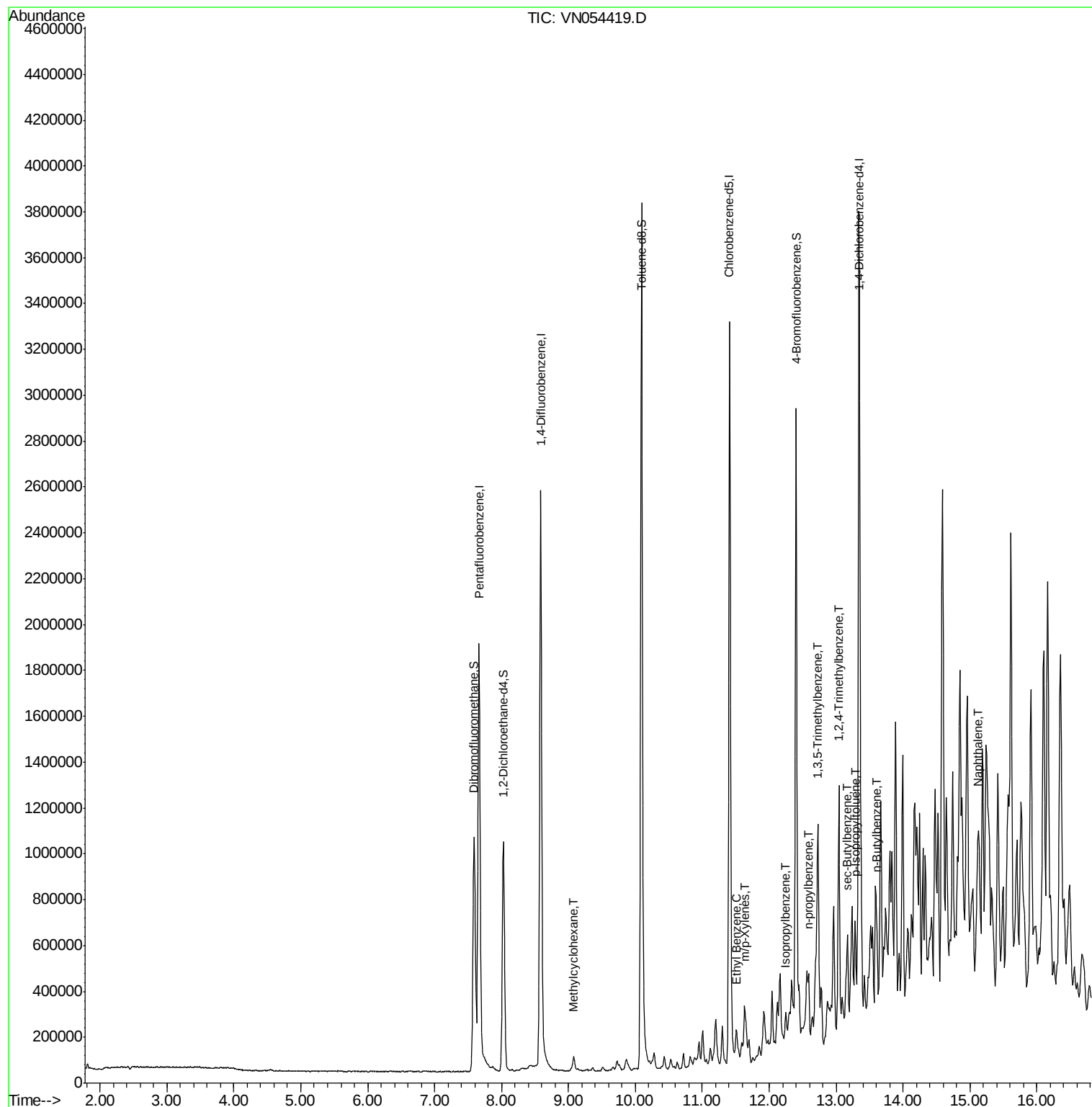
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.08	83	28339	0.960	ug/l	94
67) Ethyl Benzene	11.51	91	95889	1.168	ug/l	97
68) m/p-Xylenes	11.63	106	19428	0.605	ug/l	93
73) Isopropylbenzene	12.25	105	98112	1.208	ug/l	99
78) n-propylbenzene	12.59	91	220113	2.498	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	47815	0.708	ug/l	87
84) 1,2,4-Trimethylbenzene	13.04	105	591849	8.930	ug/l	99
85) sec-Butylbenzene	13.17	105	224835	2.788	ug/l	90
86) p-Isopropyltoluene	13.29	119	104147	1.472	ug/l	98
89) n-Butylbenzene	13.61	91	186670	3.473	ug/l #	76
95) Naphthalene	15.13	128	381216	11.438	ug/l	97

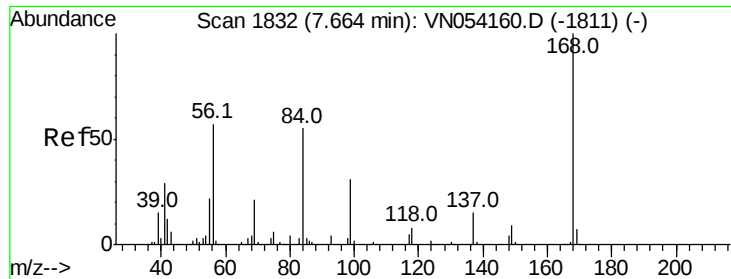
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 19 07:37:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 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: VN054419.D

Acq: 19 Mar 2019 3:40

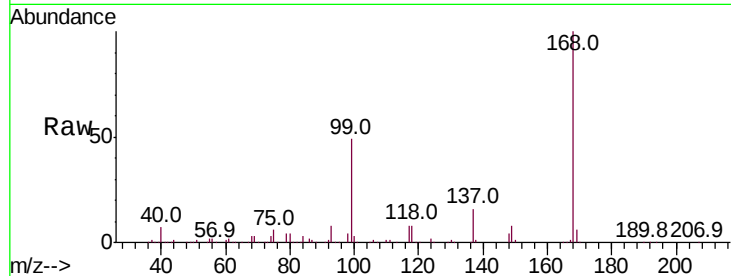
Instrument :
MSVOA_N
ClientSampleId :
P-8-W.WALL-S.CENTER

Tot Ion:168 Resp: 1817263

Ion Ratio Lower Upper

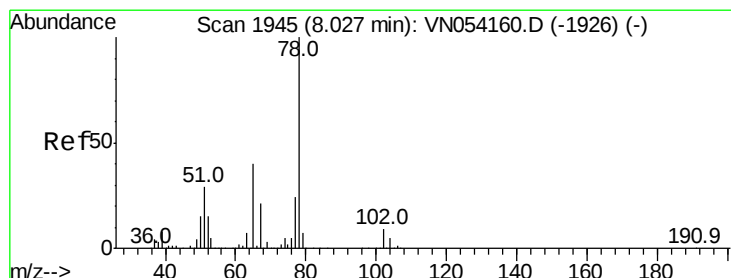
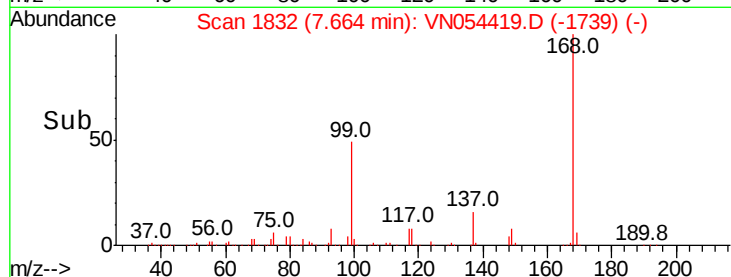
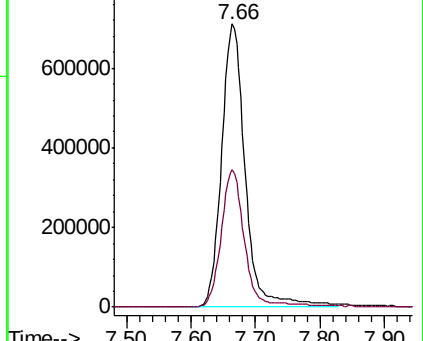
168 100

99 48.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 44.708 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054419.D

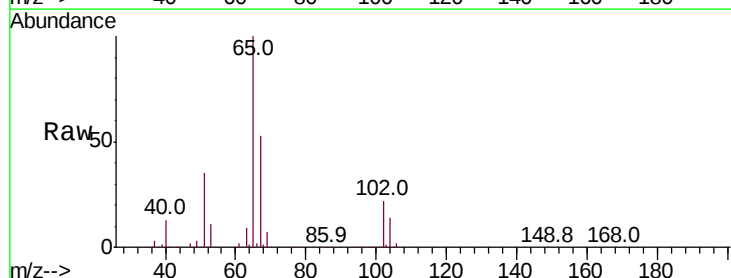
Acq: 19 Mar 2019 3:40

Tgt Ion: 65 Resp: 862844

Ion Ratio Lower Upper

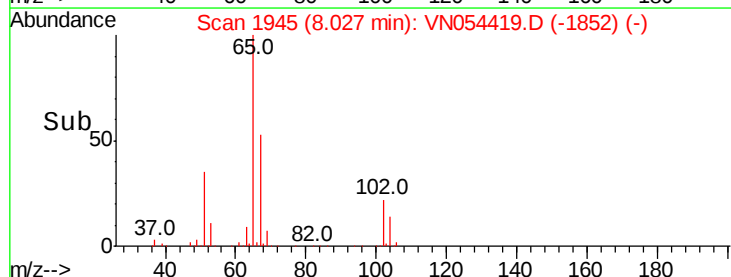
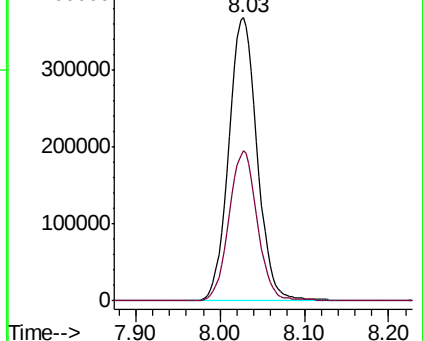
65 100

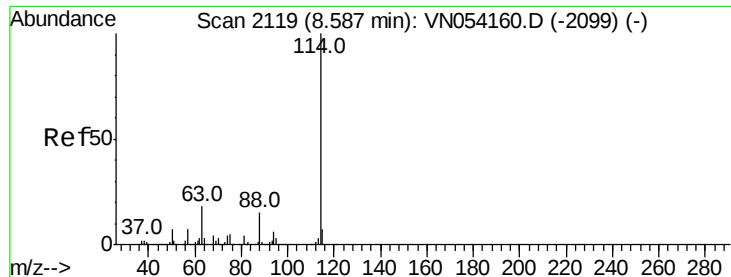
67 53.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

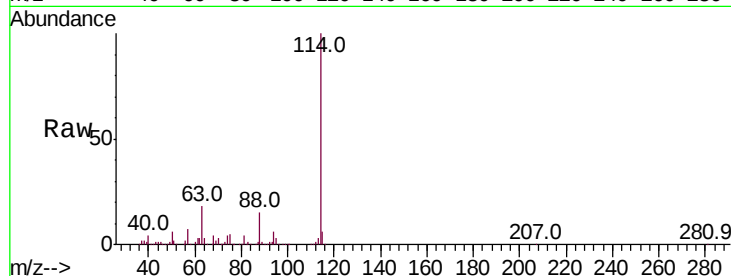




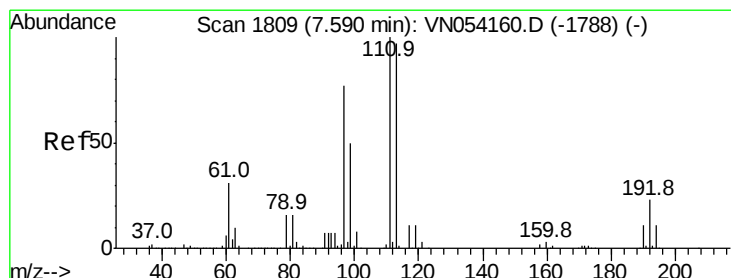
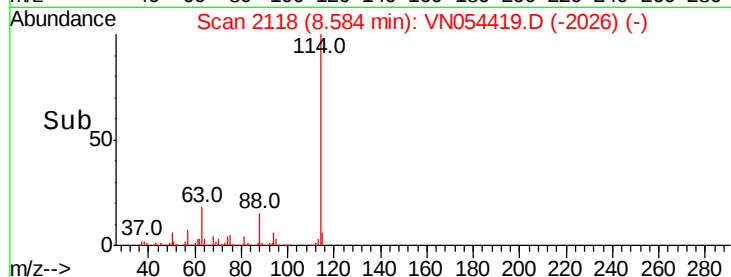
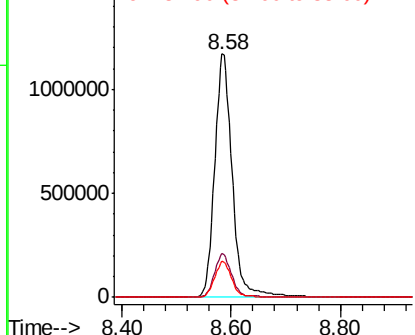
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054419.D
 Acq: 19 Mar 2019 3:40

Instrument :
 MSVOA_N
 ClientSampleId :
 P-8-W.WALL-S.CENTER

Tot Ion:114 Resp: 2606143
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 14.6 0.0 30.2

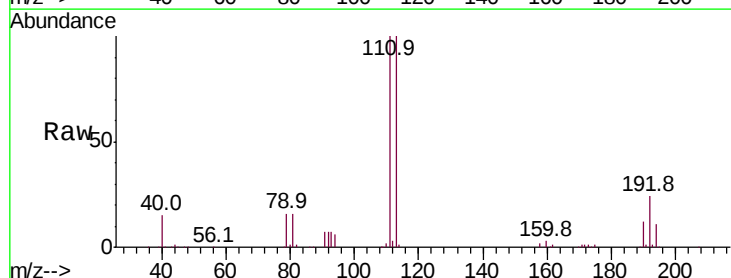


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

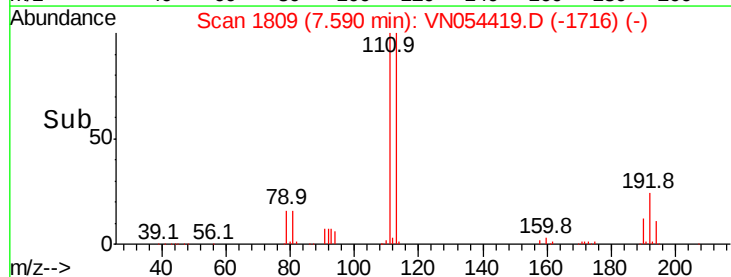
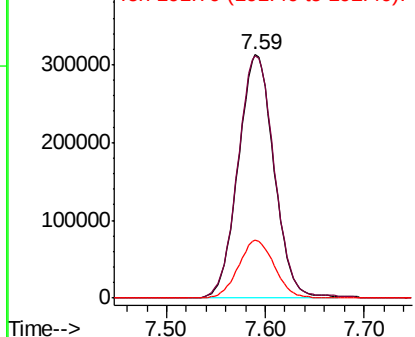


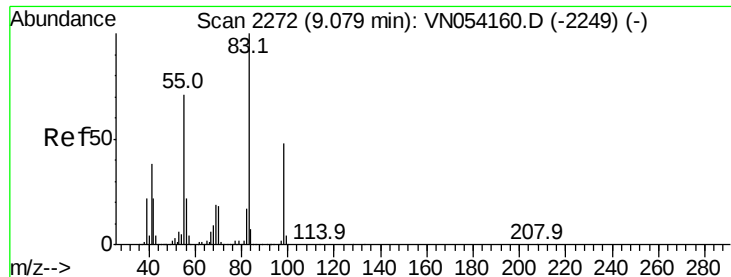
#35
 Dibromofluoromethane
 Concen: 46.707 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054419.D
 Acq: 19 Mar 2019 3:40

Tgt Ion:113 Resp: 785082
 Ion Ratio Lower Upper
 113 100
 111 100.8 82.2 123.4
 192 23.8 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

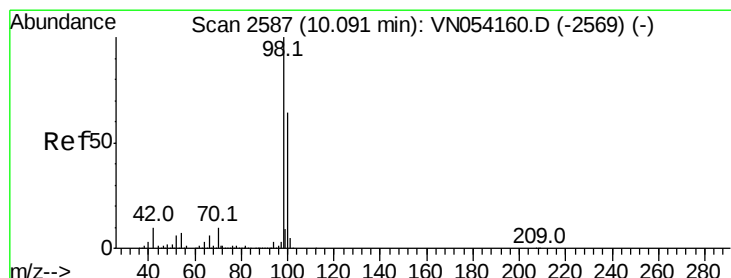
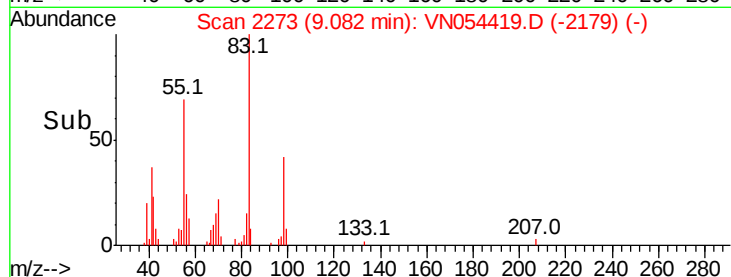
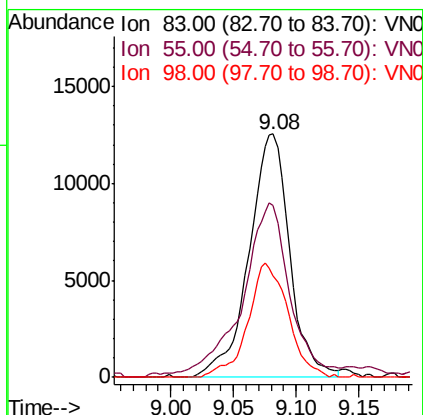
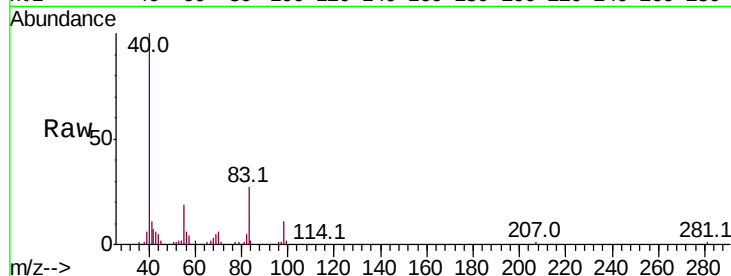




#39
Methvlcvclohexane
Concen: 0.960 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054419.D
Acq: 19 Mar 2019 3:40

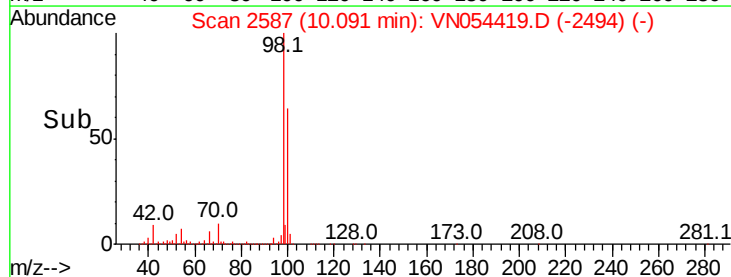
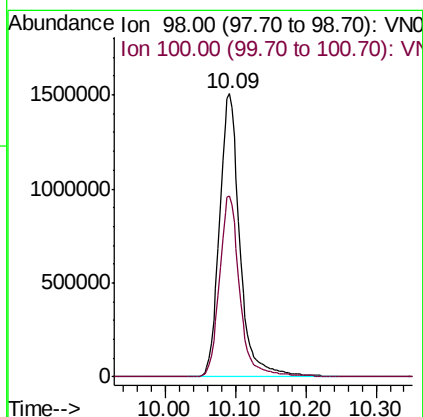
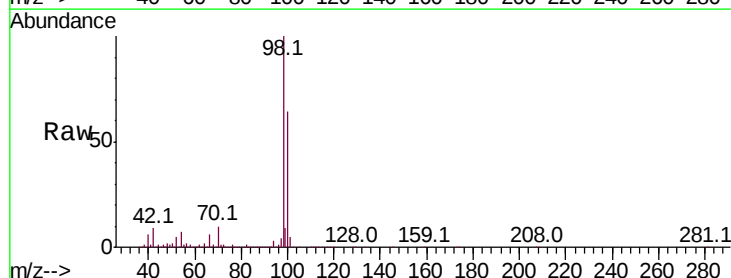
Instrument :
MSVOA_N
ClientSampleId :
P-8-W.WALL-S.CENTER

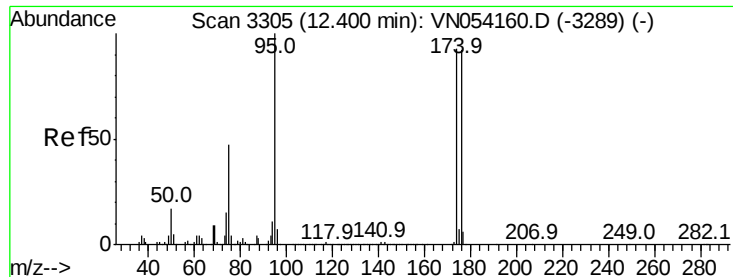
Tot Ion: 83 Resp: 28339
Ion Ratio Lower Upper
83 100
55 67.2 56.6 84.8
98 41.6 38.4 57.6



#50
Toluene-d8
Concen: 48.860 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054419.D
Acq: 19 Mar 2019 3:40

Tgt Ion: 98 Resp: 3033026
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 45.232 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

ClientSampleId :

P-8-W.WALL-S.CENTER

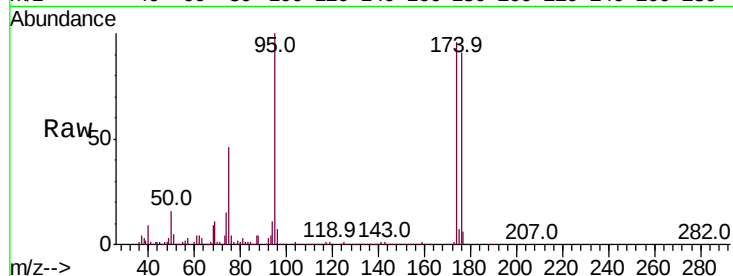
Tot Ion: 95 Resp: 982472

Ion Ratio Lower Upper

95 100

174 96.1 0.0 191.0

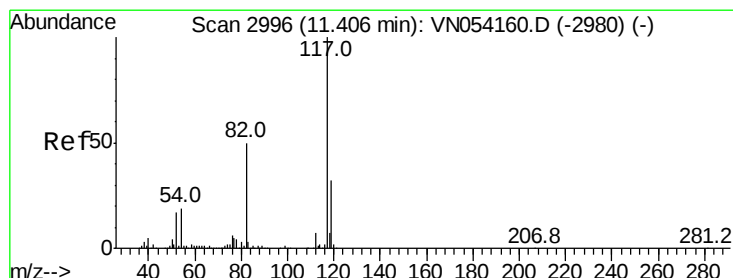
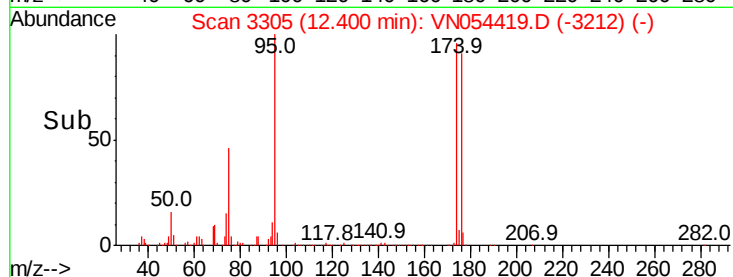
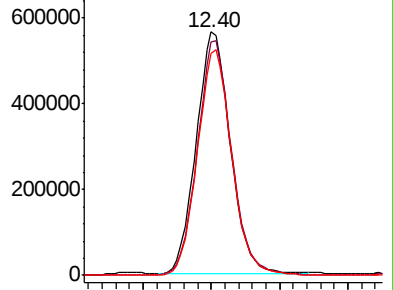
176 93.6 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054160.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054160.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054160.D (-3289) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

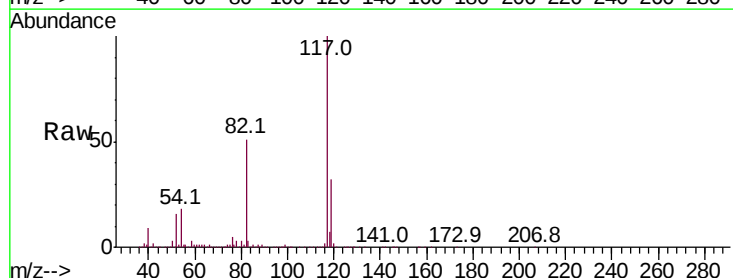
Tgt Ion: 117 Resp: 2255514

Ion Ratio Lower Upper

117 100

82 50.8 40.0 60.0

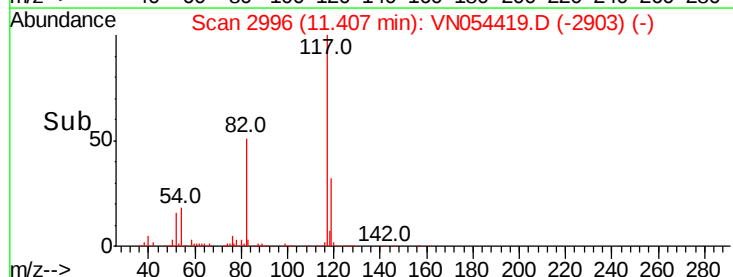
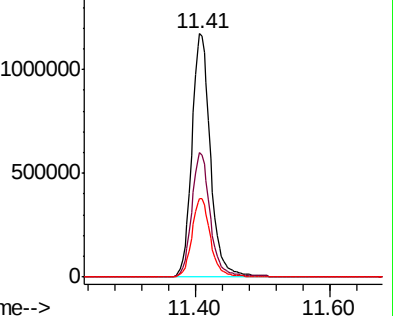
119 32.3 25.8 38.6

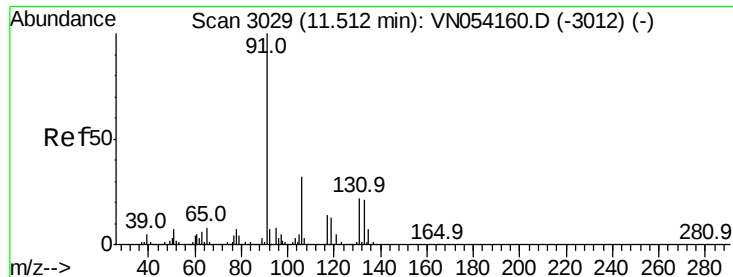


Abundance Ion 116.90 (116.60 to 117.60): VN054160.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054160.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054160.D (-2980) (-)





#67

Ethyl Benzene

Concen: 1.168 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

ClientSampleId :

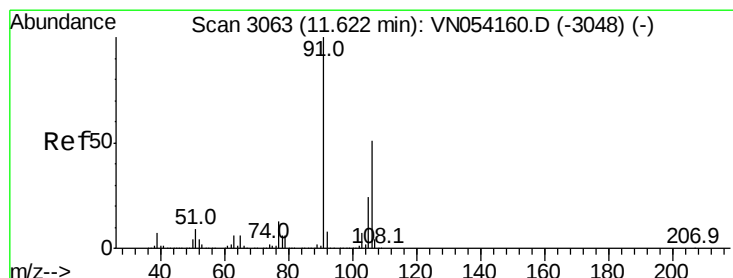
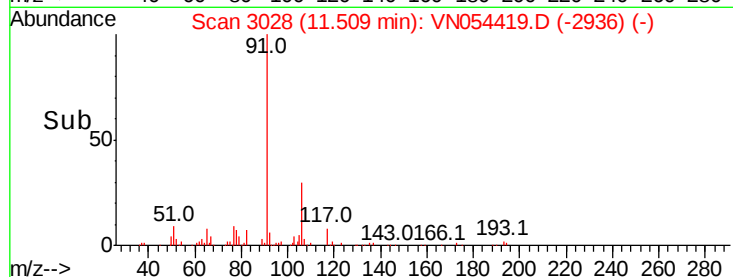
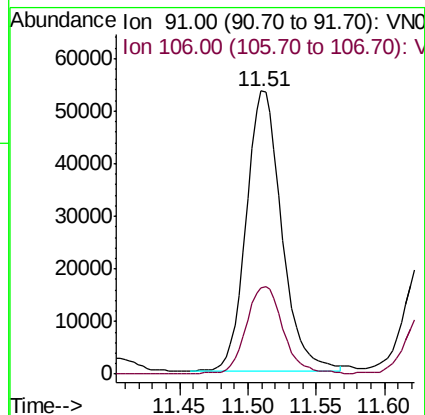
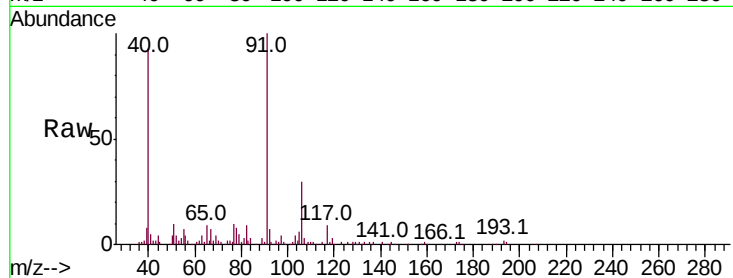
P-8-W.WALL-S.CENTER

Tot Ion: 91 Resp: 95889

Ion Ratio Lower Upper

91 100

106 30.5 25.5 38.3



#68

m/p-Xylenes

Concen: 0.605 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN054419.D

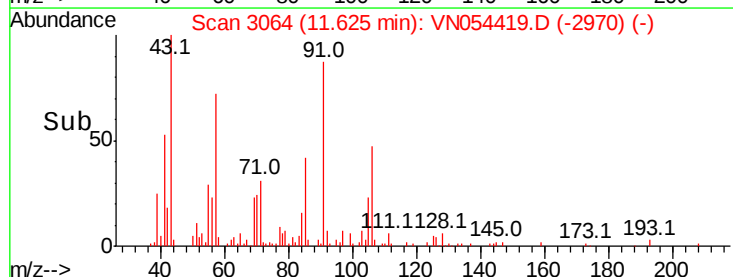
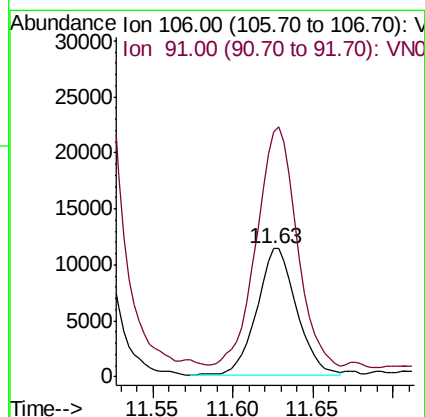
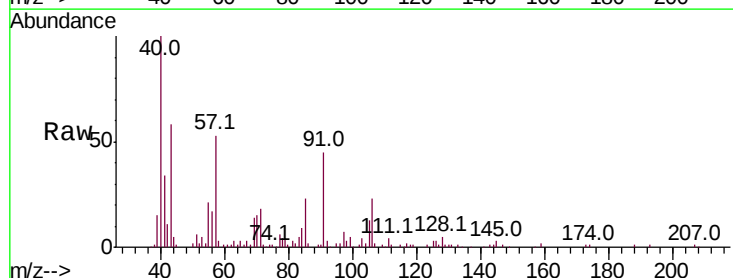
Acq: 19 Mar 2019 3:40

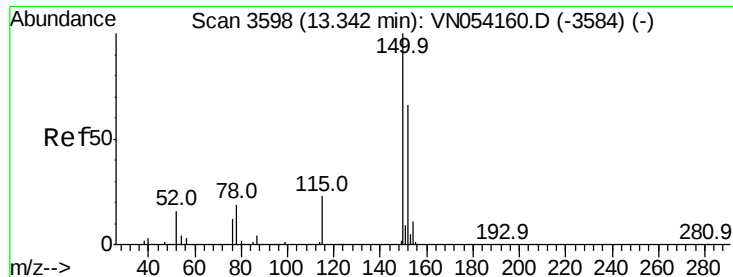
Tgt Ion: 106 Resp: 19428

Ion Ratio Lower Upper

106 100

91 189.1 159.4 239.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

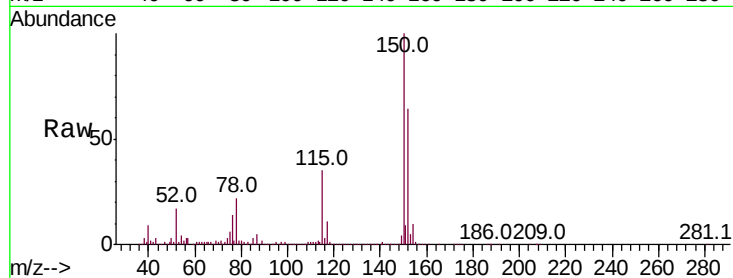
MSVOA_N

ClientSampleId :

P-8-W.WALL-S.CENTER

Tot Ion:152 Resp: 1015127

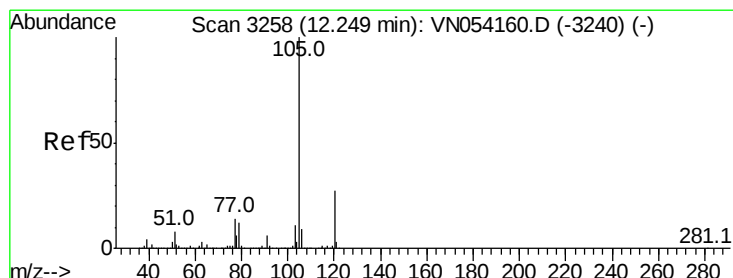
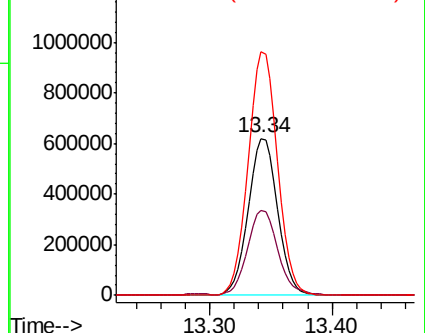
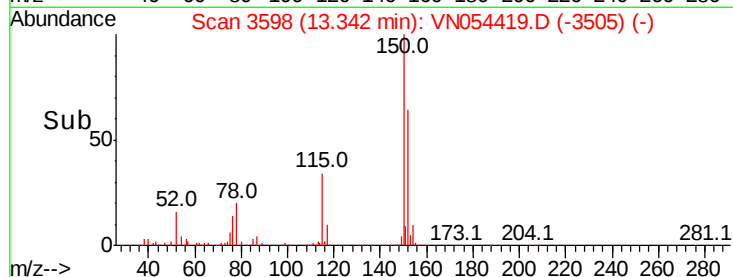
Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.2	81.6
150	155.6	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.208 ug/l

RT: 12.25 min Scan# 3258

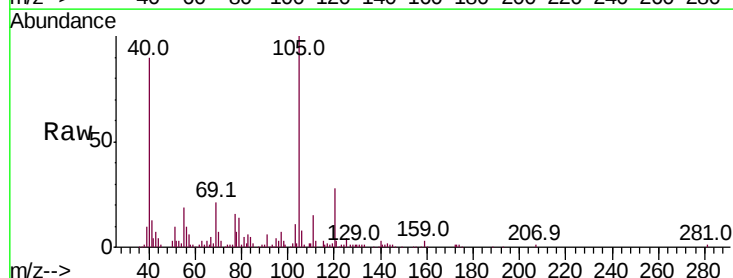
Delta R.T. 0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

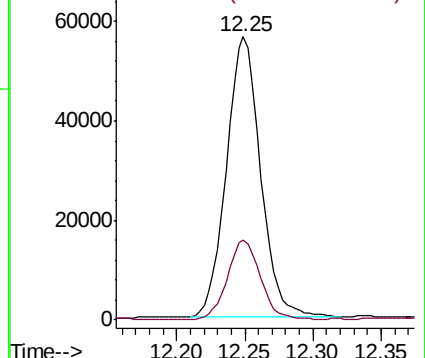
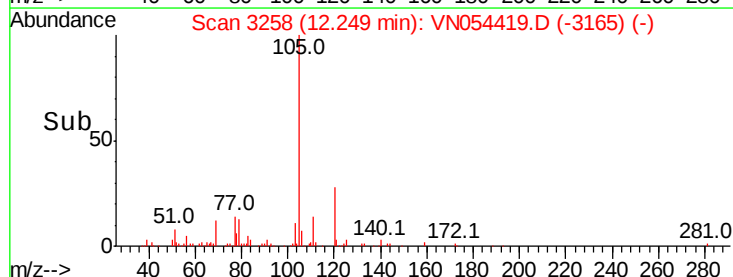
Tgt Ion:105 Resp: 98112

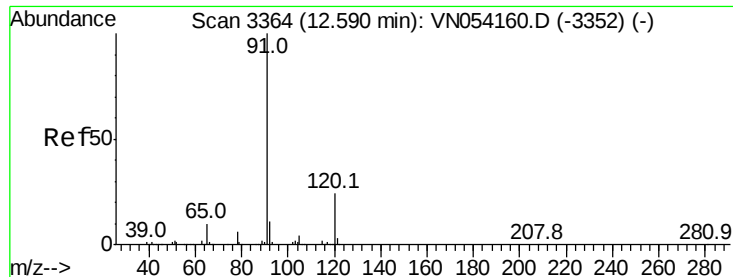
Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.8	41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.498 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

ClientSampleId :

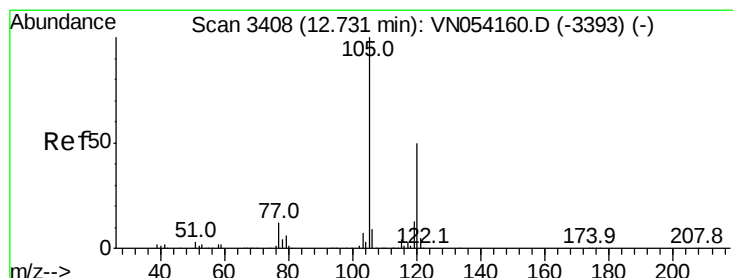
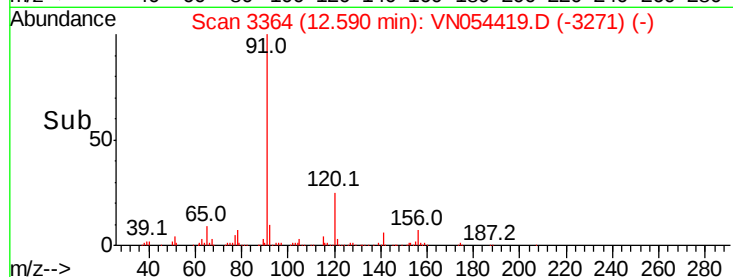
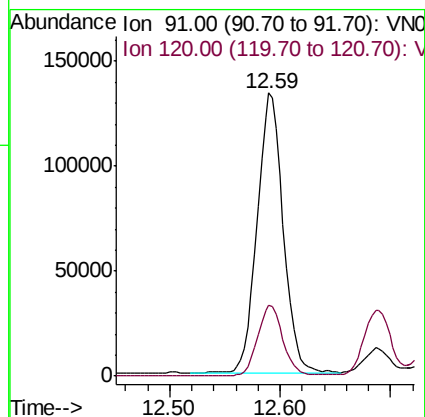
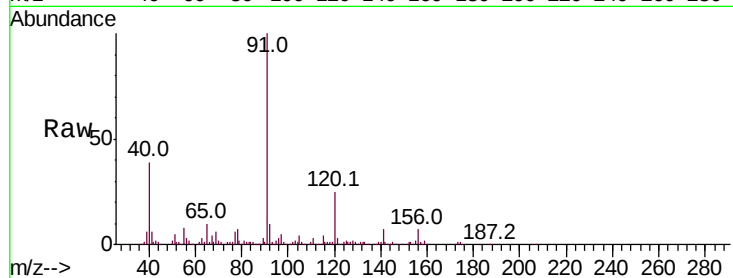
P-8-W.WALL-S.CENTER

Tot Ion: 91 Resp: 220113

Ion Ratio Lower Upper

91 100

120 24.3 12.3 36.9



#80

1,3,5-Trimethylbenzene

Concen: 0.708 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054419.D

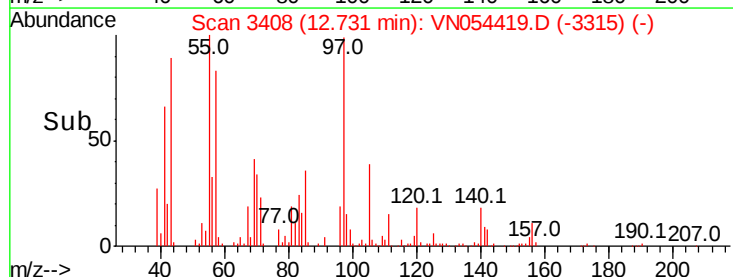
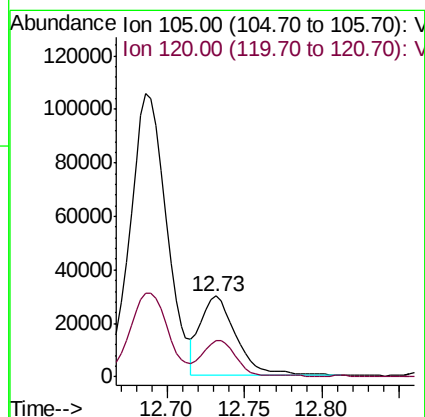
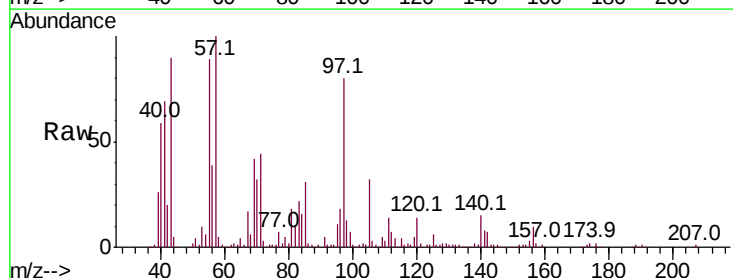
Acq: 19 Mar 2019 3:40

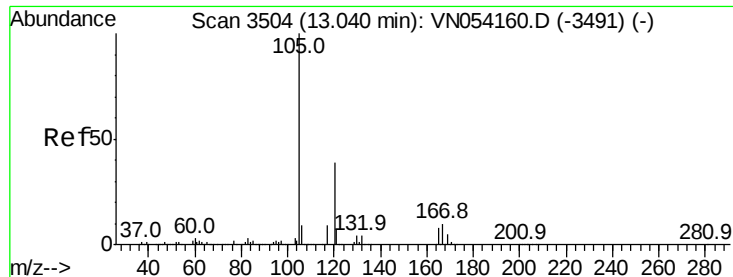
Tgt Ion: 105 Resp: 47815

Ion Ratio Lower Upper

105 100

120 41.0 25.0 75.0





#84

1,2,4-Trimethylbenzene

Concen: 8.930 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

ClientSampleId :

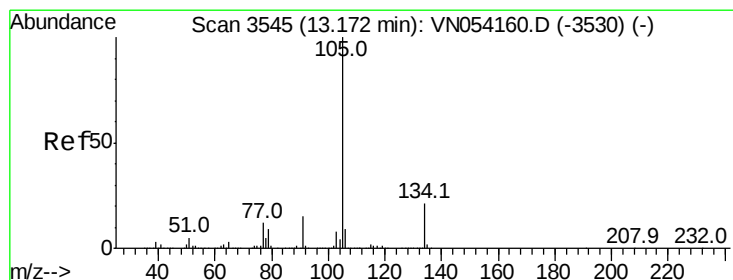
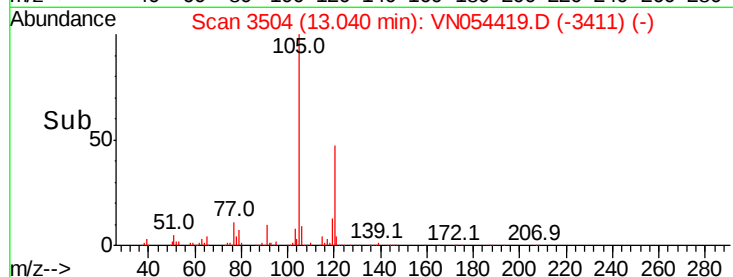
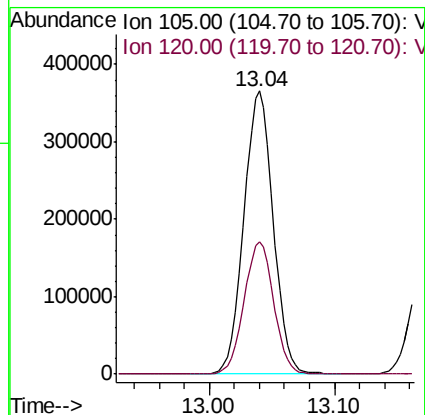
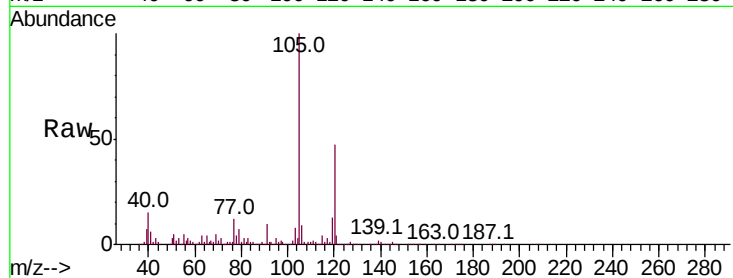
P-8-W.WALL-S.CENTER

Tot Ion:105 Resp: 591849

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.3



#85

sec-Butylbenzene

Concen: 2.788 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054419.D

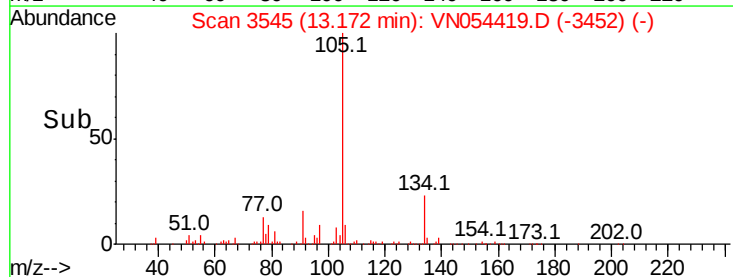
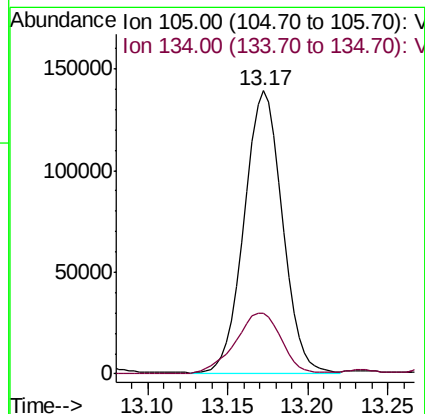
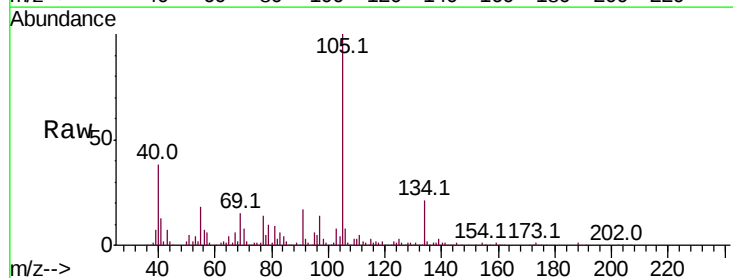
Acq: 19 Mar 2019 3:40

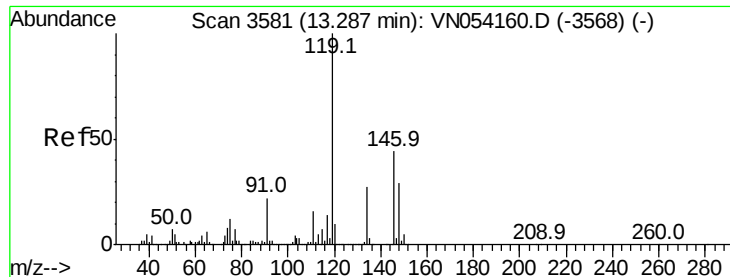
Tgt Ion:105 Resp: 224835

Ion Ratio Lower Upper

105 100

134 26.3 10.7 32.1

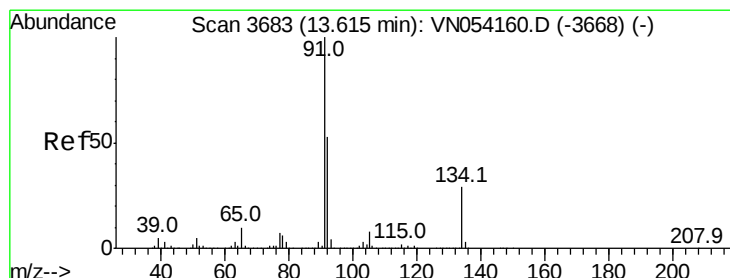
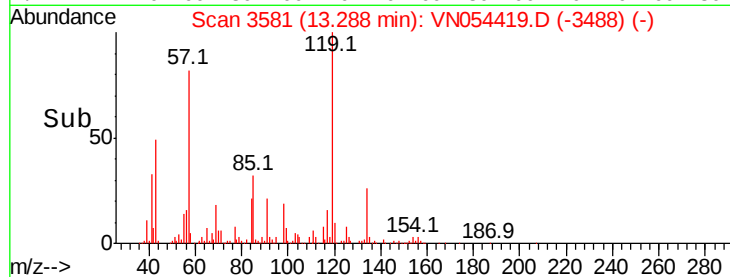
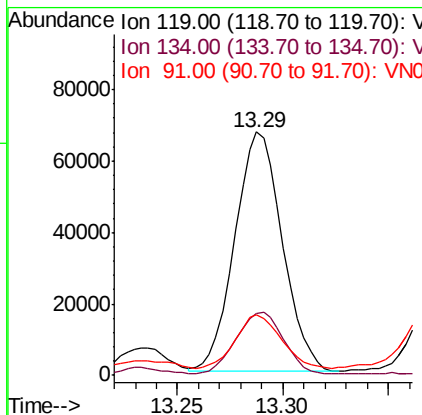
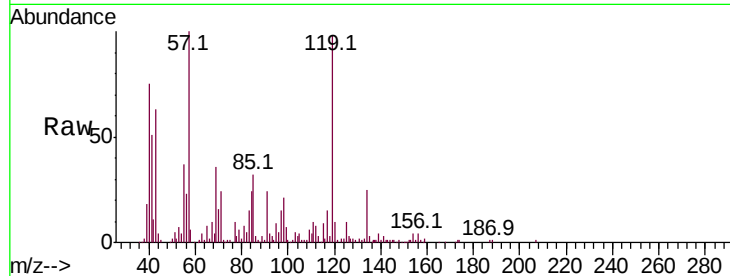




#86
 p-Isopropyltoluene
 Concen: 1.472 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054419.D
 Acq: 19 Mar 2019 3:40

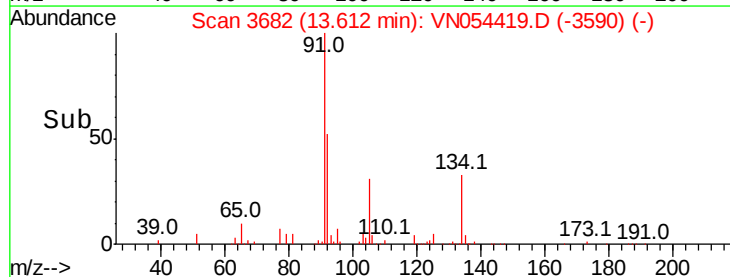
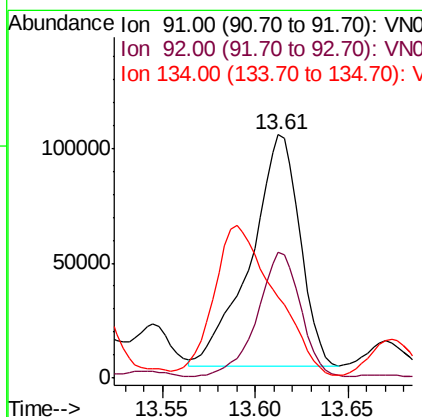
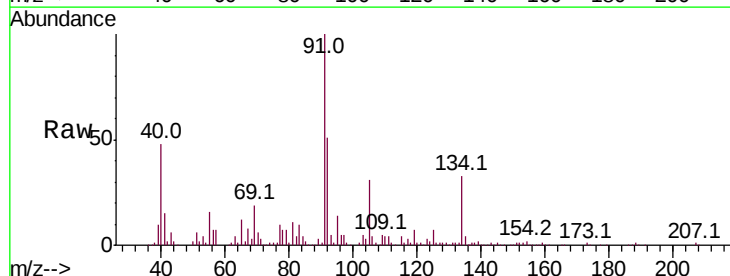
Instrument :
 MSVOA_N
 ClientSampleId :
 P-8-W.WALL-S.CENTER

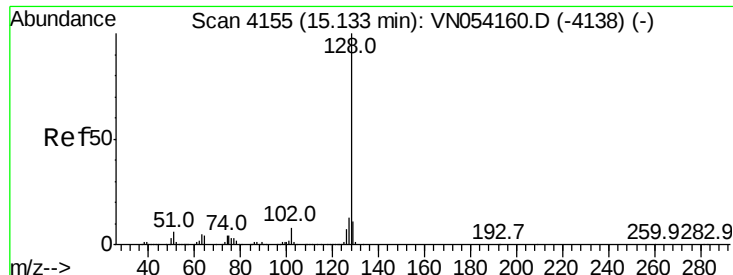
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.6	40.8
91	21.4	11.1	33.3



#89
 n-Butylbenzene
 Concen: 3.473 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054419.D
 Acq: 19 Mar 2019 3:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	46.9	26.2	78.6
134	0.0	14.3	42.9





#95

Naphthalene

Concen: 11.438 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054419.D

Acq: 19 Mar 2019 3:40

Instrument :

MSVOA_N

ClientSampleId :

P-8-W.WALL-S.CENTER

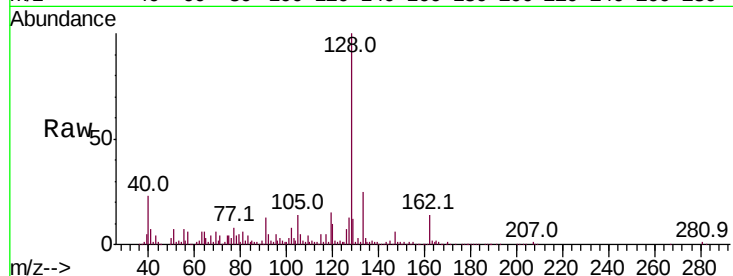
Tot Ion:128 Resp: 381216

Ion Ratio Lower Upper

128 100

127 13.6 10.1 15.1

129 12.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

