

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
 Data File : VN054424.D
 Acq On : 19 Mar 2019 5:57
 Operator : JC/SP
 Sample : K1970-03 10X
 Misc : 6.98g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P-3-E.WALL-N.CENTER

Quant Time: Mar 19 08:01:41 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

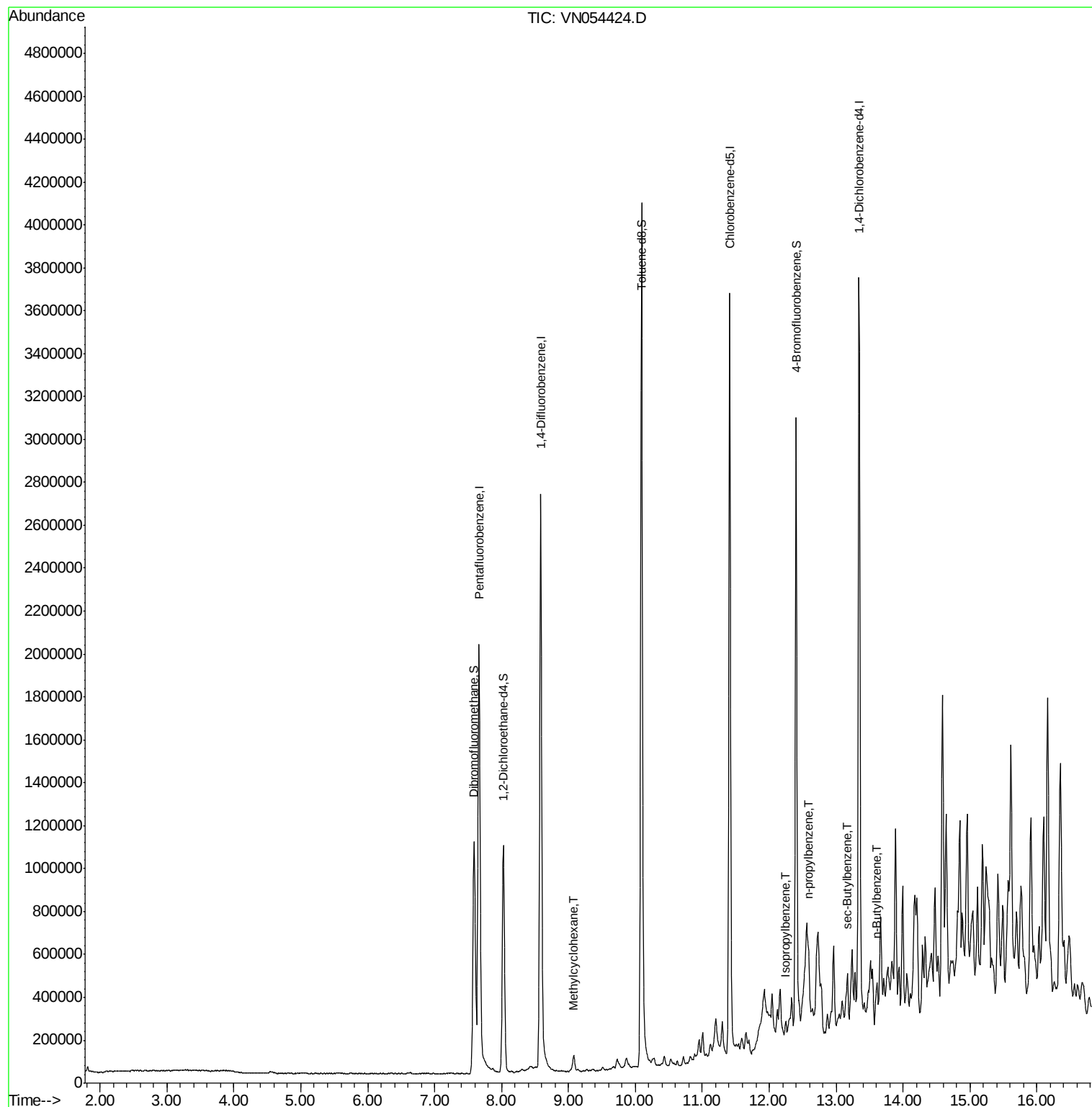
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1970328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2803005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2386044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1042767	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	903359	43.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.34%	
35) Dibromofluoromethane	7.59	113	831233	45.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.96%	
50) Toluene-d8	10.09	98	3254050	48.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.40	95	1027537	43.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.96%	
Target Compounds						
39) Methylcyclohexane	9.08	83	38085	1.199	ug/l	96
73) Isopropylbenzene	12.25	105	62620	0.751	ug/l	96
78) n-propylbenzene	12.59	91	133245	1.472	ug/l	98
85) sec-Butylbenzene	13.17	105	136889	1.653	ug/l	90
89) n-Butylbenzene	13.61	91	110281	1.997	ug/l #	85

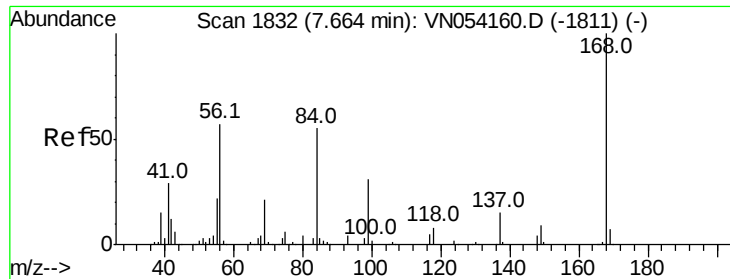
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054424.D

Acq: 19 Mar 2019 5:57

Instrument :

MSVOA_N

ClientSampleId :

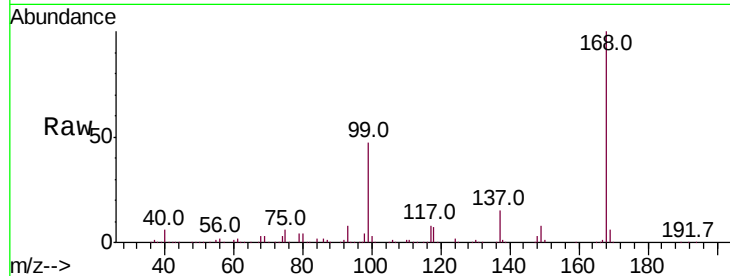
P-3-E.WALL-N.CENTER

Tot Ion:168 Resp: 1970328

Ion Ratio Lower Upper

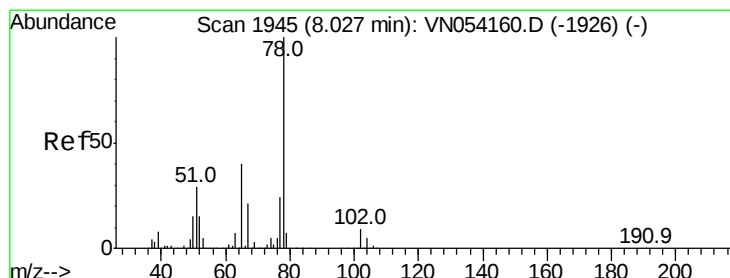
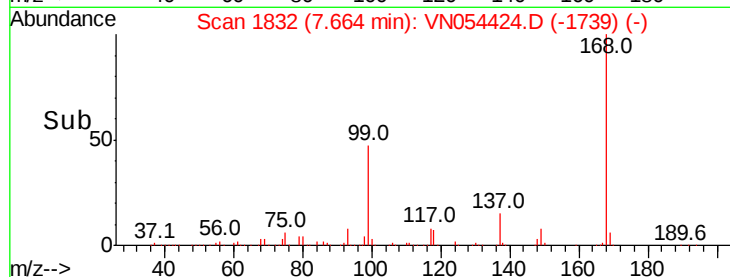
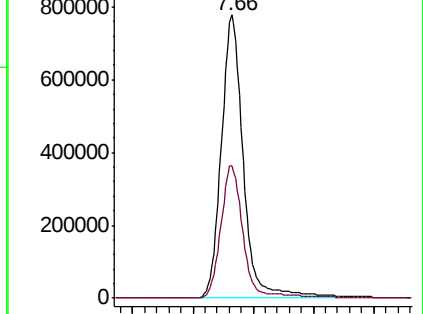
168 100

99 46.6 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: 43.171 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054424.D

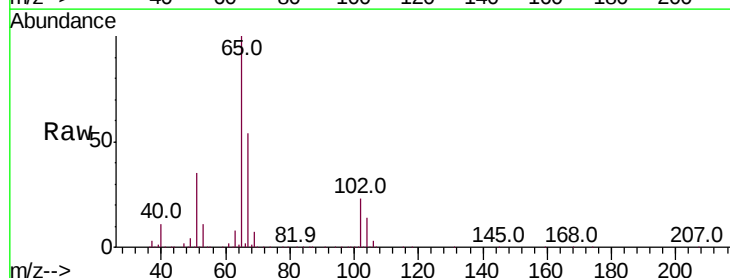
Acq: 19 Mar 2019 5:57

Tgt Ion: 65 Resp: 903359

Ion Ratio Lower Upper

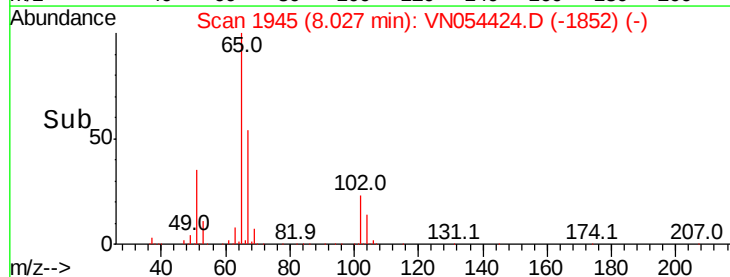
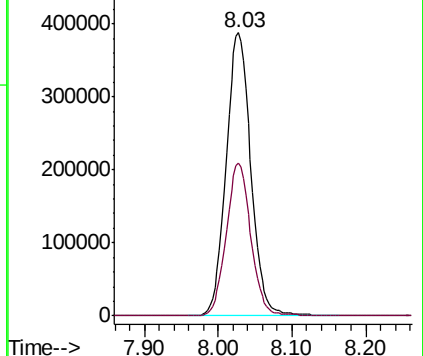
65 100

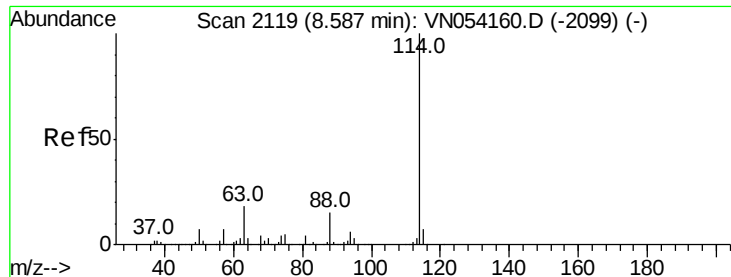
67 53.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

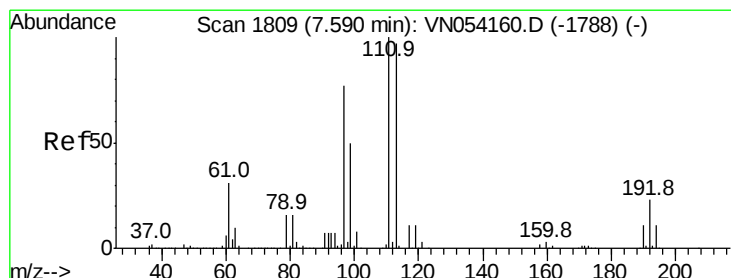
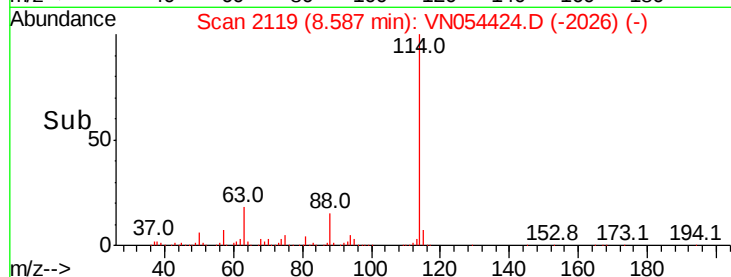
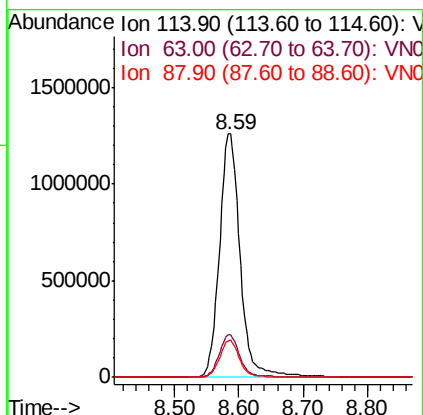
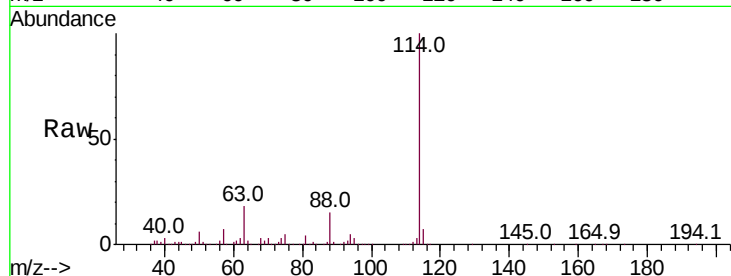




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054424.D
 Acq: 19 Mar 2019 5:57

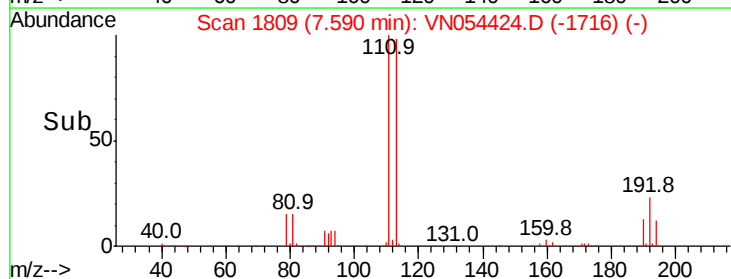
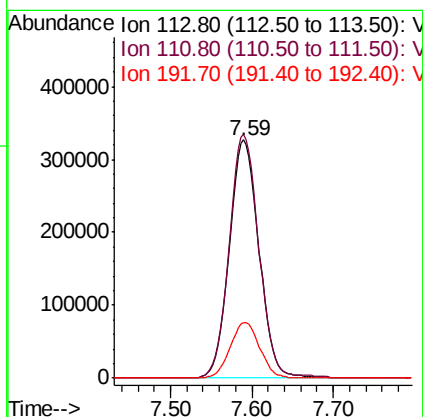
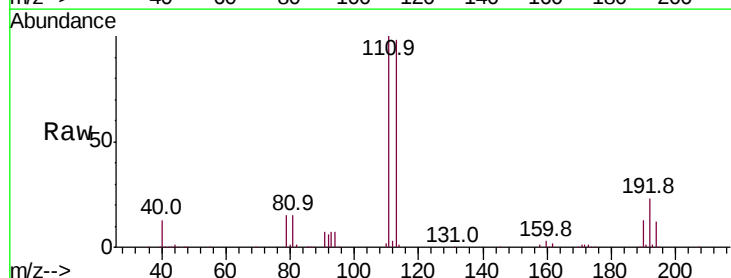
Instrument :
 MSVOA_N
 ClientSampleId :
 P-3-E.WALL-N.CENTER

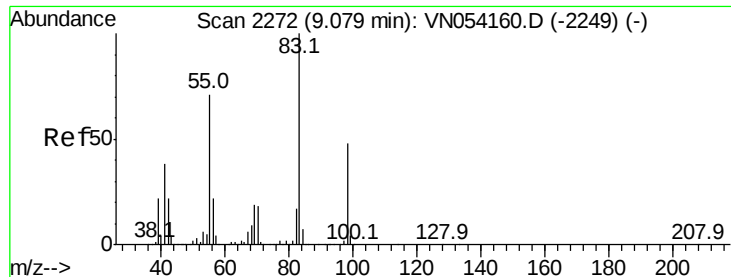
Tot Ion:114 Resp: 2803005
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.2
 88 15.2 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 45.980 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054424.D
 Acq: 19 Mar 2019 5:57

Tgt Ion:113 Resp: 831233
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.4
 192 23.4 19.2 28.8

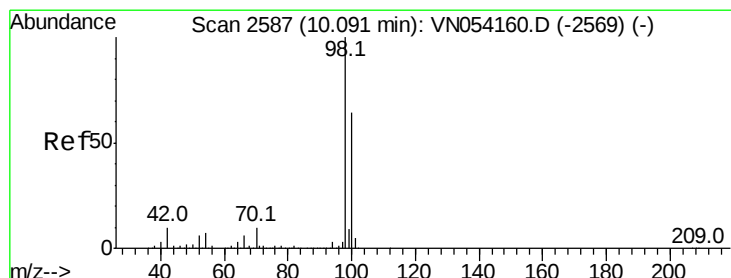
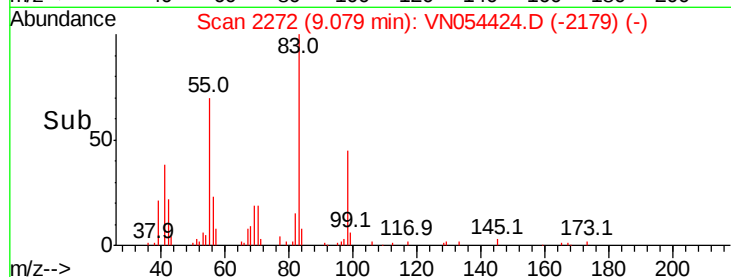
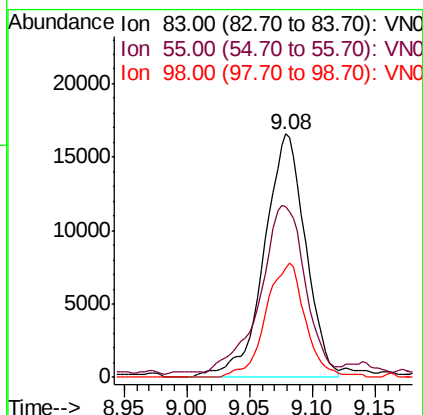
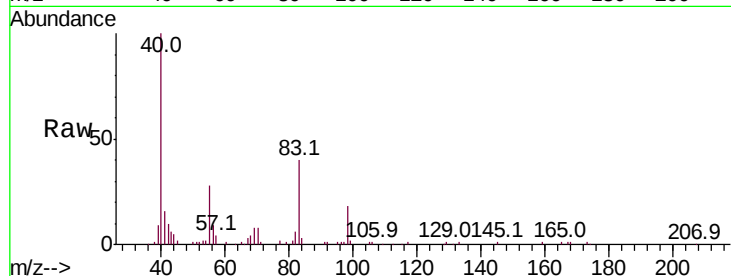




#39
Methylcyclohexane
Concen: 1.199 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054424.D
Acq: 19 Mar 2019 5:57

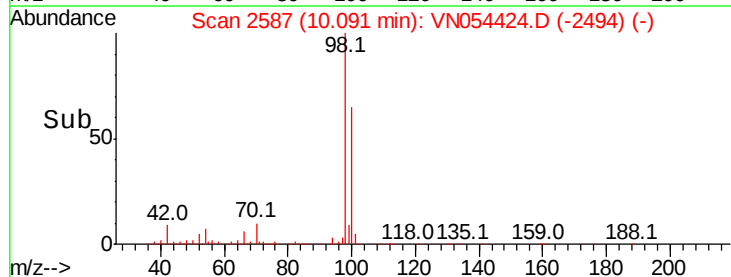
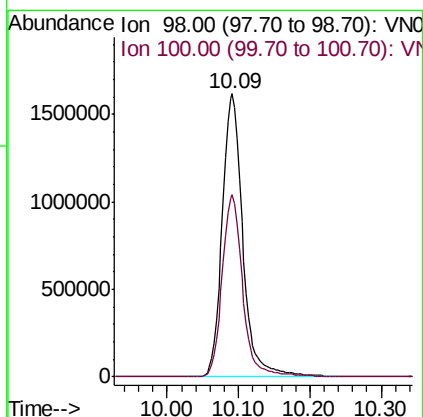
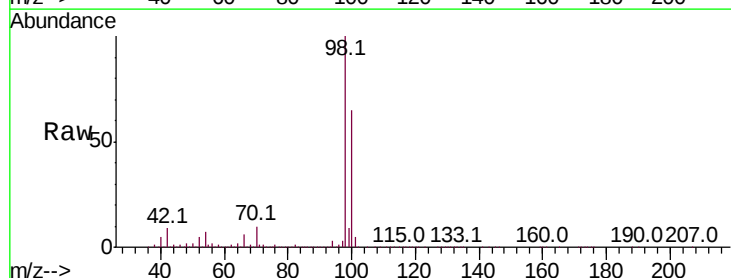
Instrument :
MSVOA_N
ClientSampleId :
P-3-E.WALL-N.CENTER

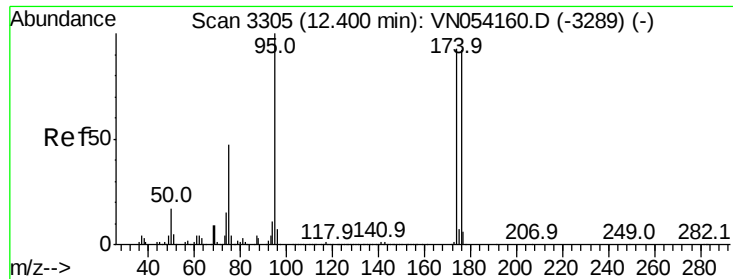
Tot Ion	83	Resp	38085
Ion Ratio	100		
Lower	56.6		
Upper	84.8		
83	67.6	56.6	84.8
98	44.7	38.4	57.6



#50
Toluene-d8
Concen: 48.738 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054424.D
Acq: 19 Mar 2019 5:57

Tgt Ion	98	Resp	3254050
Ion Ratio	100		
Lower	51.2		
Upper	76.8		
98	64.2	51.2	76.8
100			





#62

4-Bromofluorobenzene

Concen: 43.985 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054424.D

Acq: 19 Mar 2019 5:57

Instrument :

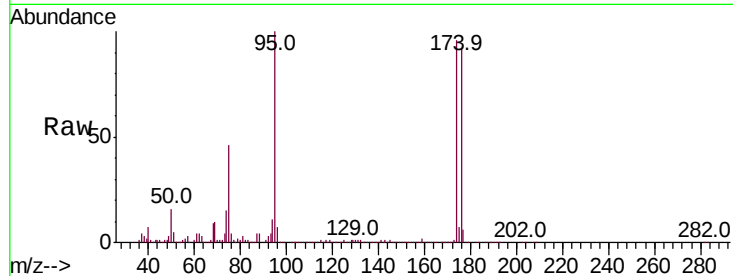
MSVOA_N

ClientSampleId :

P-3-E.WALL-N.CENTER

Tot Ion: 95 Resp: 1027537

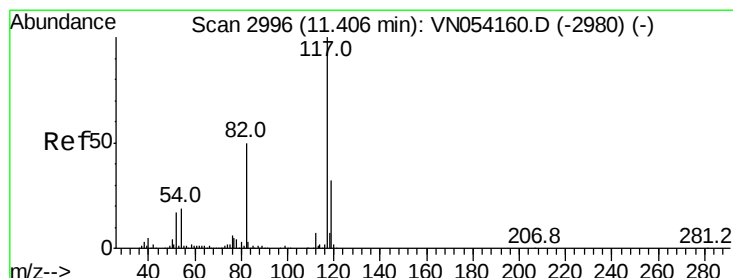
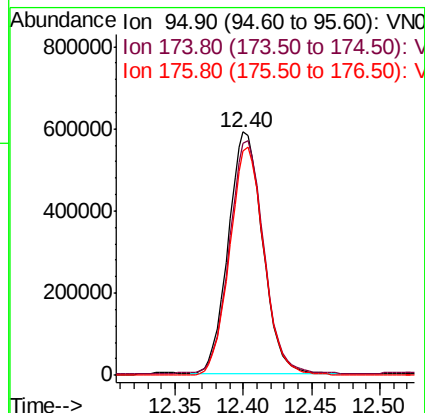
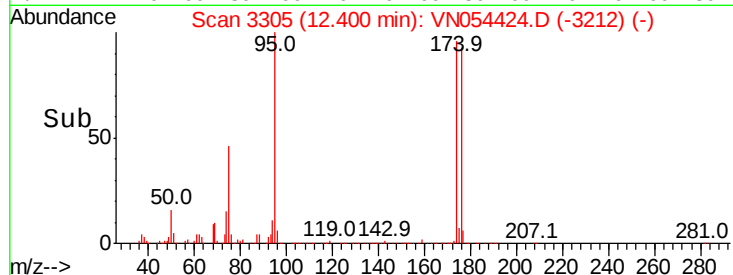
Ion	Ratio	Lower	Upper
95	100		
174	96.7	0.0	191.0
176	94.8	0.0	187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054424.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054424.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054424.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

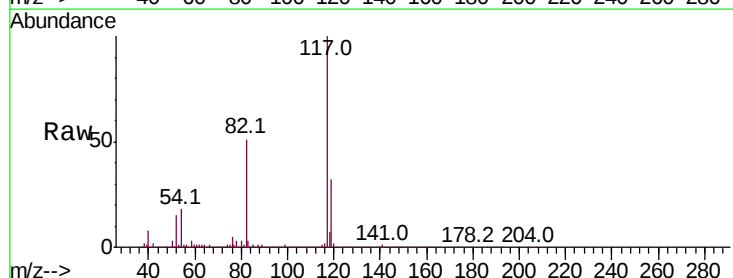
Delta R.T. 0.00 min

Lab File: VN054424.D

Acq: 19 Mar 2019 5:57

Tgt Ion: 117 Resp: 2386044

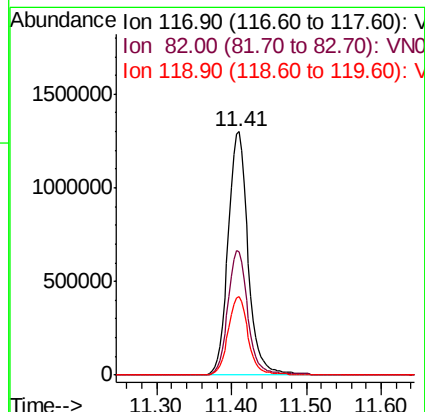
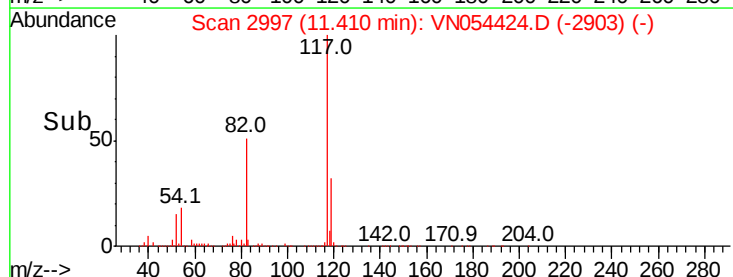
Ion	Ratio	Lower	Upper
117	100		
82	50.8	40.0	60.0
119	32.2	25.8	38.6

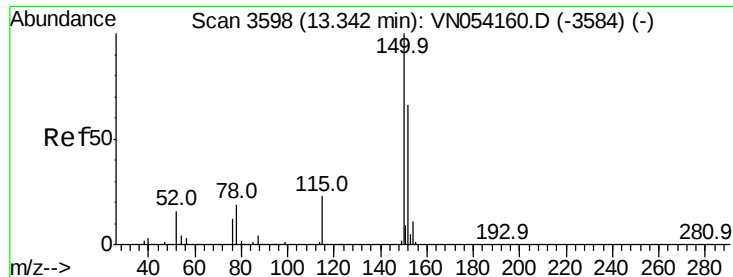


Abundance Ion 116.90 (116.60 to 117.60): VN054424.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054424.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054424.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054424.D

Acq: 19 Mar 2019 5:57

Instrument :

MSVOA_N

ClientSampleId :

P-3-E.WALL-N.CENTER

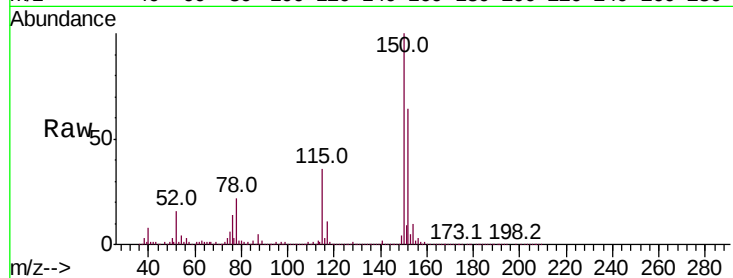
Tot Ion:152 Resp: 1042767

Ion Ratio Lower Upper

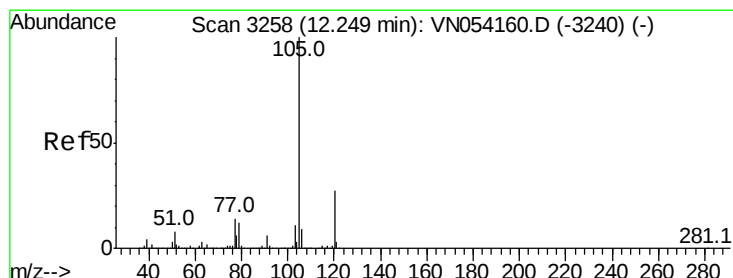
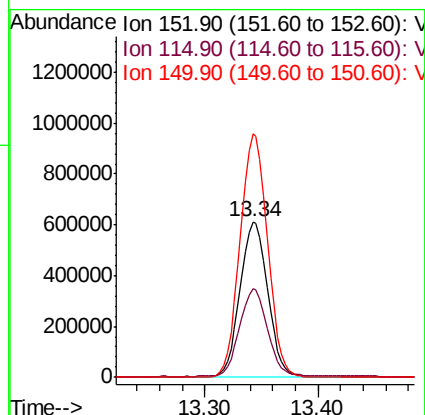
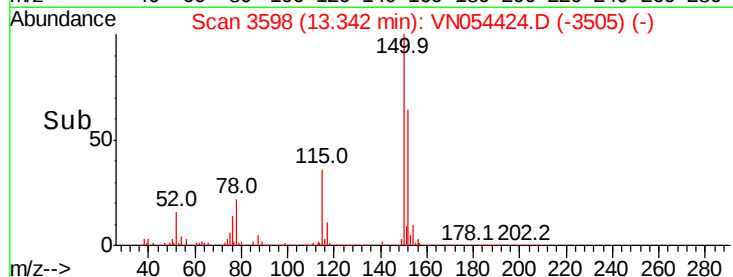
152 100

115 56.5 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: 0.751 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054424.D

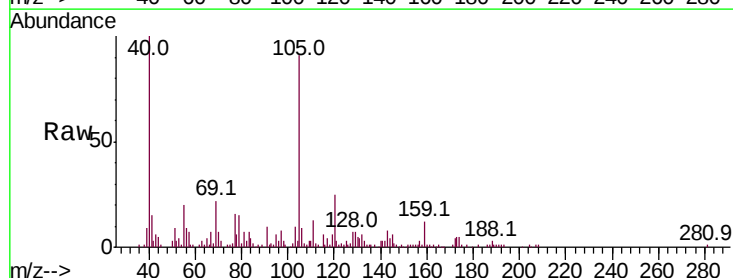
Acq: 19 Mar 2019 5:57

Tgt Ion:105 Resp: 62620

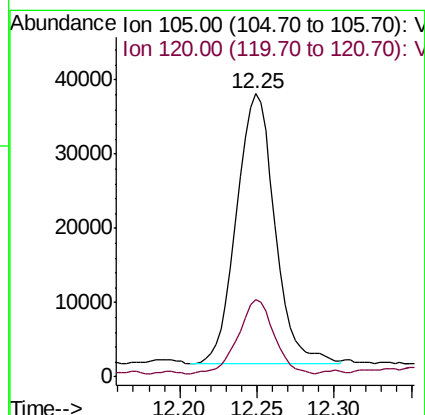
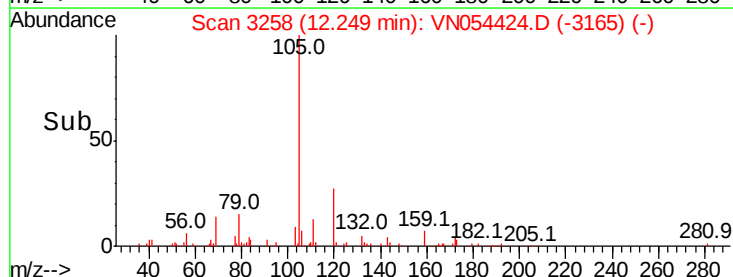
Ion Ratio Lower Upper

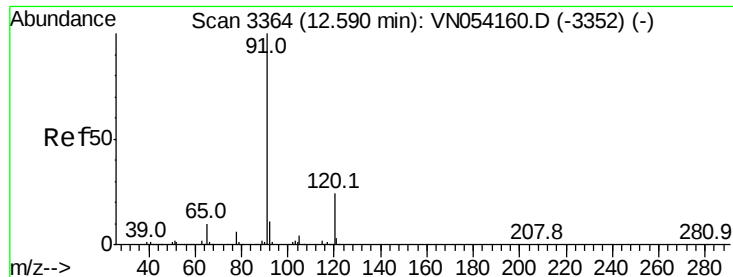
105 100

120 25.4 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: 1.472 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054424.D

Acq: 19 Mar 2019 5:57

Instrument :

MSVOA_N

ClientSampleId :

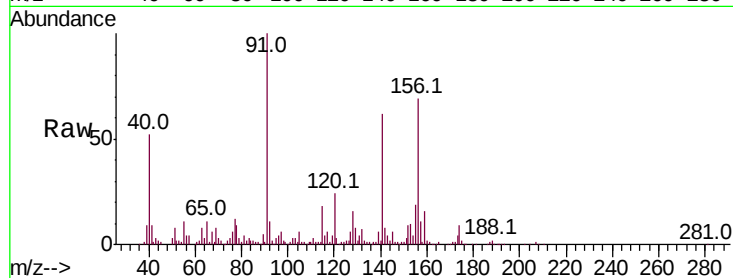
P-3-E.WALL-N.CENTER

Tot Ion: 91 Resp: 133245

Ion Ratio Lower Upper

91 100

120 25.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3352) (-)

12.59

80000

60000

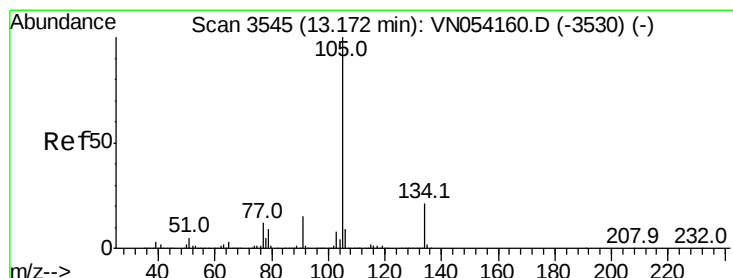
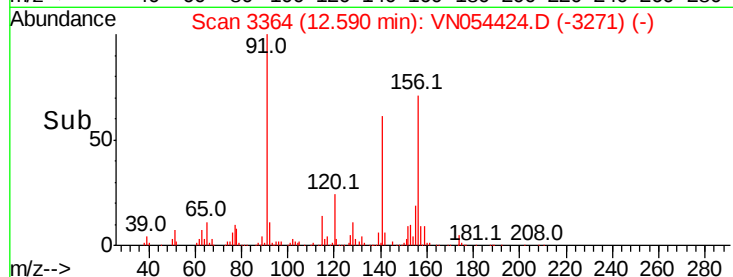
40000

20000

0

12.55 12.60 12.65

Time-->



#85

sec-Butylbenzene

Concen: 1.653 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054424.D

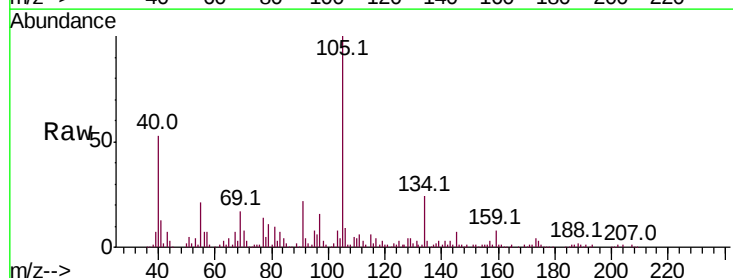
Acq: 19 Mar 2019 5:57

Tgt Ion:105 Resp: 136889

Ion Ratio Lower Upper

105 100

134 26.1 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3530) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3530) (-)

13.17

100000

80000

60000

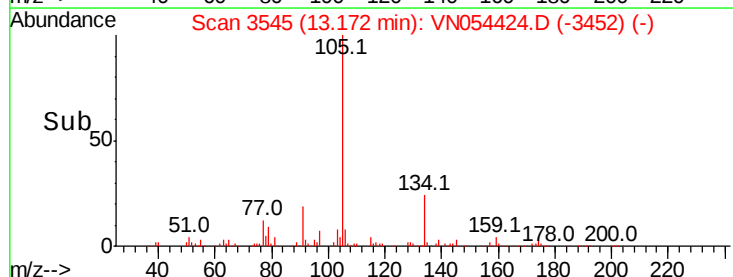
40000

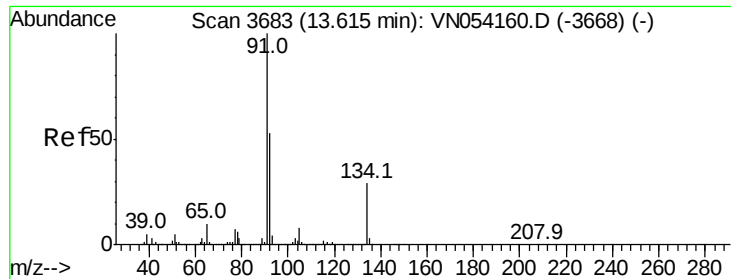
20000

0

13.10 13.15 13.20

Time-->





#89

n-Butylbenzene

Concen: 1.997 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054424.D

Acq: 19 Mar 2019 5:57

Instrument :

MSVOA_N

ClientSampleId :

P-3-E.WALL-N.CENTER

Tot Ion: 91 Resp: 110281

Ion Ratio Lower Upper

91 100

92 48.1 26.2 78.6

134 45.7 14.3 42.9#

