

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054625.D
 Acq On : 24 Mar 2019 1:35
 Operator : JC/SP
 Sample : K2043-02ME
 Misc : 5.49g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB442-190319-FD-(12-14)ME

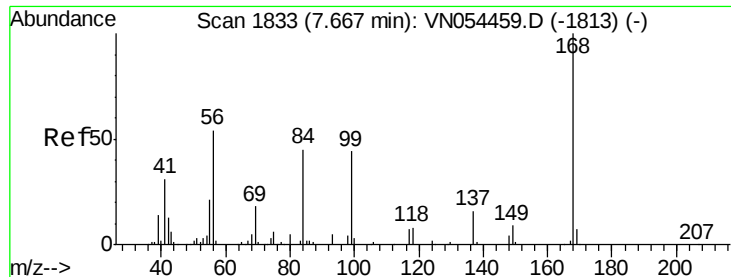
Quant Time: Mar 25 05:17:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	568941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	878275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	767310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	360152	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	349058	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
35) Dibromofluoromethane	7.59	113	265632	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
50) Toluene-d8	10.09	98	1080729	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	355460	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.08	83	32342	3.443	ug/l #	87
40) Benzene	8.04	78	41802	1.780	ug/l	100
65) Chlorobenzene	11.43	112	3328287	213.267	ug/l	100
67) Ethyl Benzene	11.51	91	8466	0.307	ug/l	93
73) Isopropylbenzene	12.25	105	46382	1.598	ug/l	96
78) n-propylbenzene	12.59	91	103390	3.285	ug/l	97
83) tert-Butylbenzene	12.99	119	89927	4.343	ug/l	94
85) sec-Butylbenzene	13.17	105	141056	5.465	ug/l #	59
87) 1,3-Dichlorobenzene	13.28	146	234253	19.639	ug/l #	85
88) 1,4-Dichlorobenzene	13.36	146	279574	24.090	ug/l #	86
89) n-Butylbenzene	13.61	91	162225	8.985	ug/l	88

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

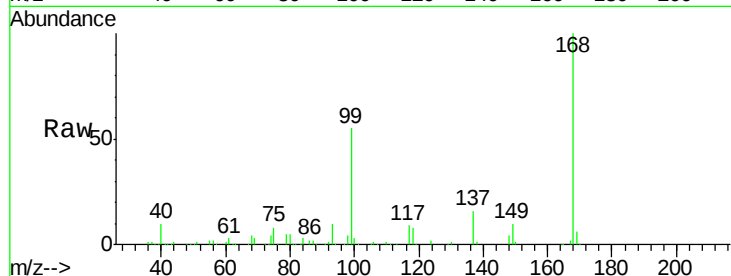
WP022SB442-190319-FD-(12-14)ME

Tot Ion:168 Resp: 568941

Ion Ratio Lower Upper

168 100

99 55.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

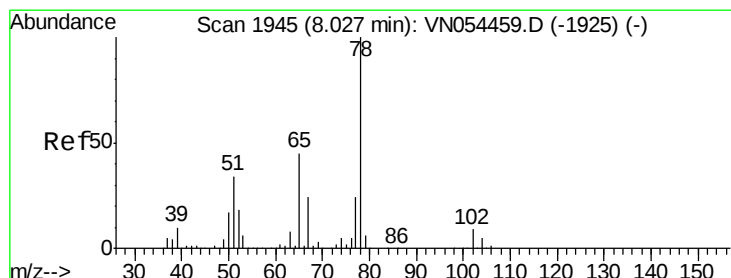
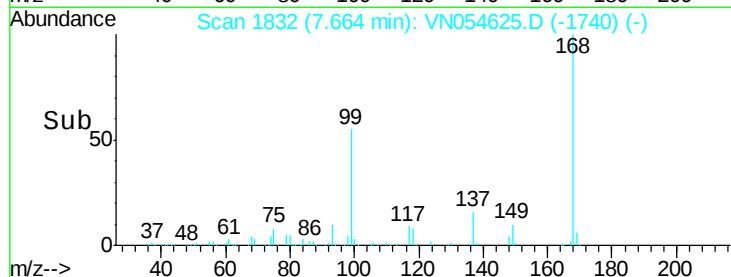
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#33

1,2-Dichloroethane-d4

Concen: 49.325 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054625.D

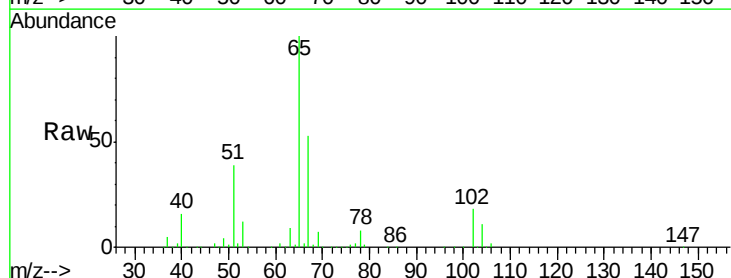
Acq: 24 Mar 2019 1:35

Tgt Ion: 65 Resp: 349058

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.02

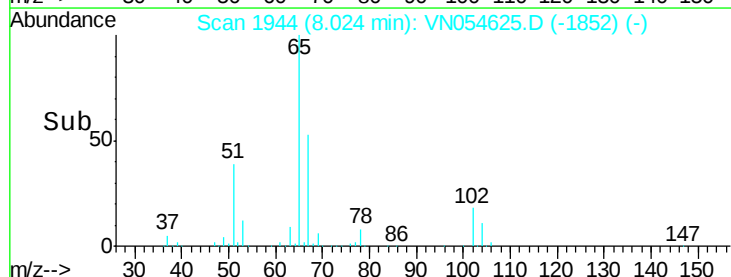
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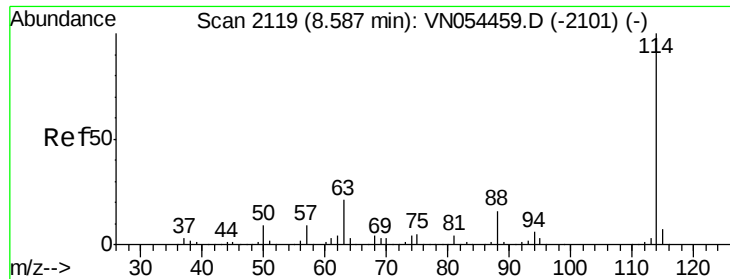
100000

50000

0

Time--> 7.90 8.00 8.10

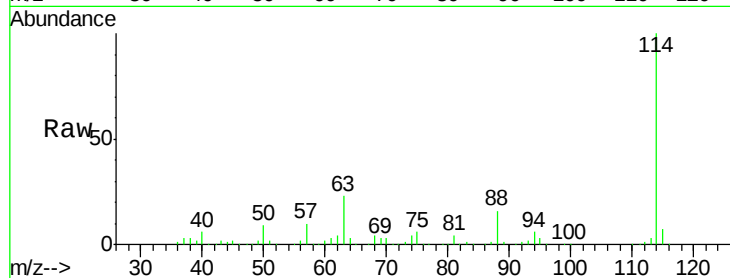




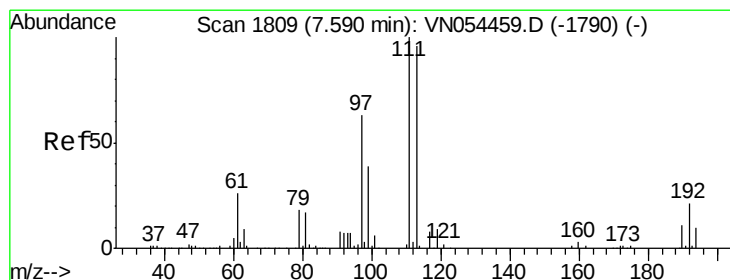
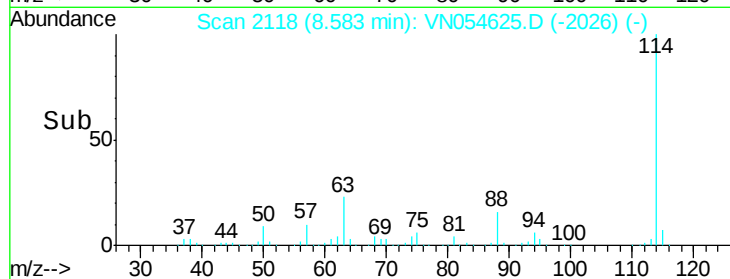
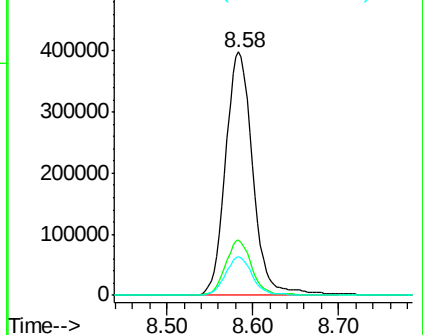
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054625.D
 Acq: 24 Mar 2019 1:35

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB442-190319-FD-(12-14)ME

Tot Ion:114 Resp: 878275
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 35.2
 88 15.8 0.0 30.2

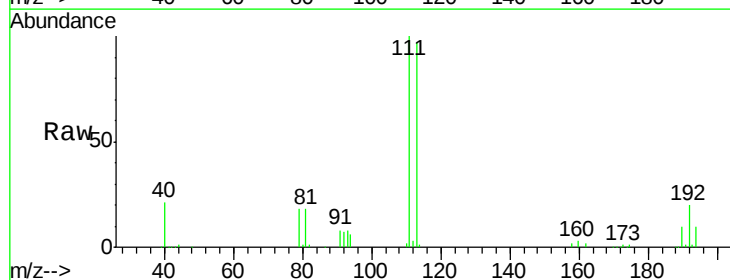


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

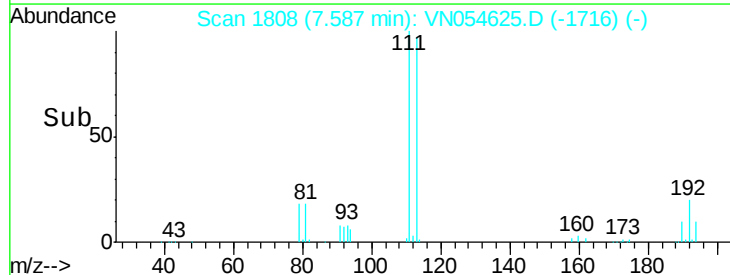
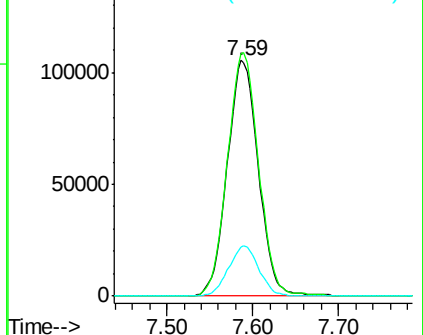


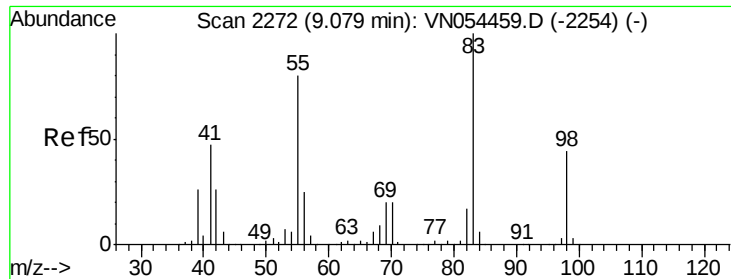
#35
 Dibromofluoromethane
 Concen: 46.946 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN054625.D
 Acq: 24 Mar 2019 1:35

Tgt Ion:113 Resp: 265632
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.4
 192 20.7 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

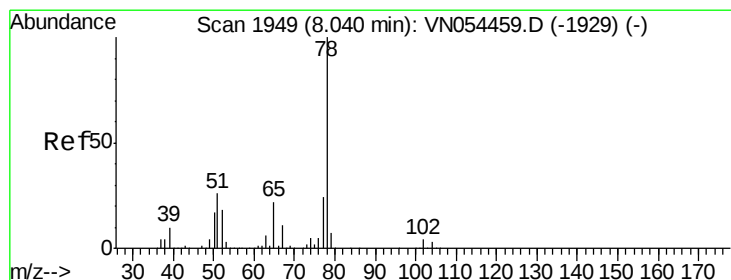
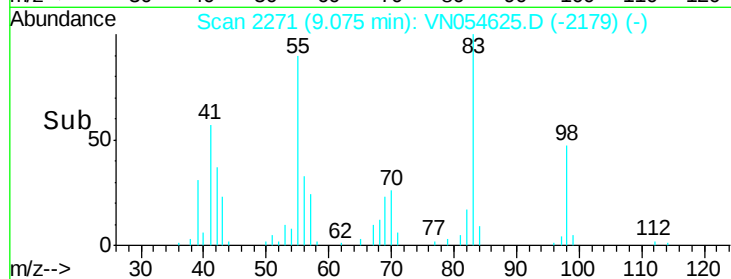
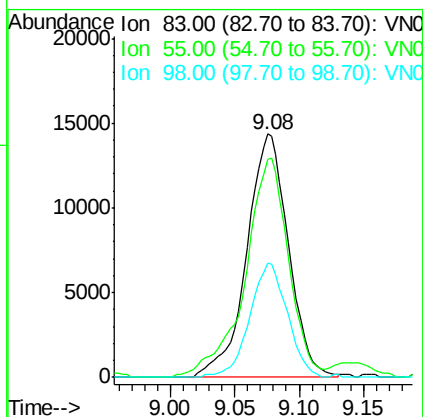
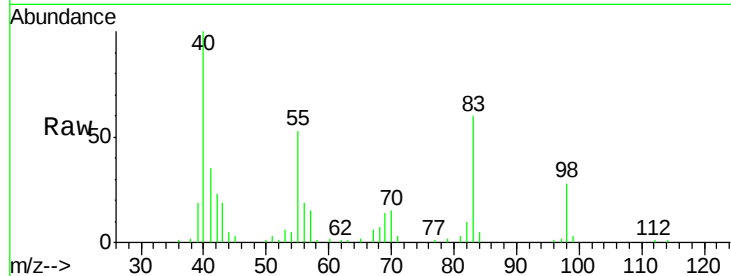




#39
Methvlcvclohexane
Concen: 3.443 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

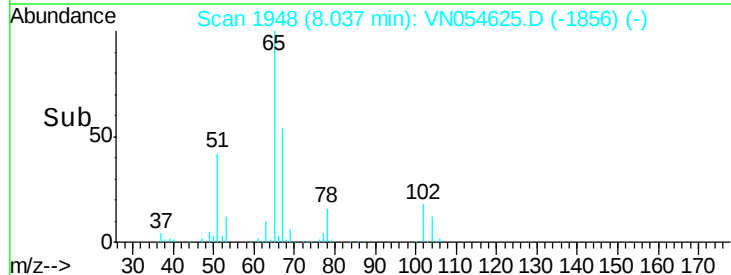
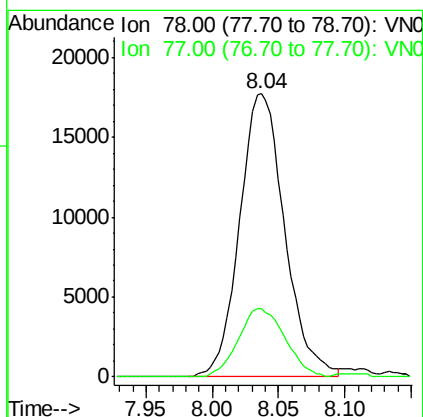
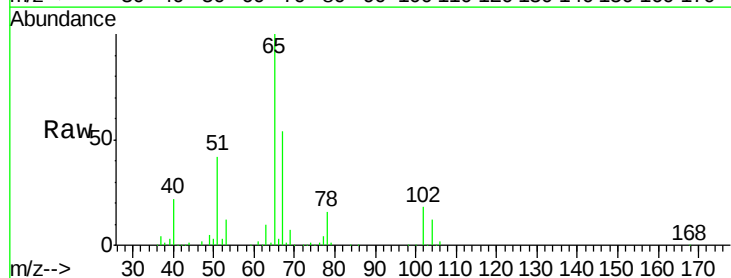
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-FD-(12-14)ME

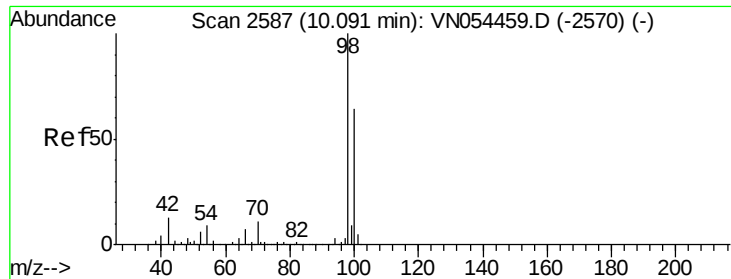
Tot Ion: 83 Resp: 32342
Ion Ratio Lower Upper
83 100
55 87.5 56.6 84.8#
98 46.9 38.4 57.6



#40
Benzene
Concen: 1.780 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

Tgt Ion: 78 Resp: 41802
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7

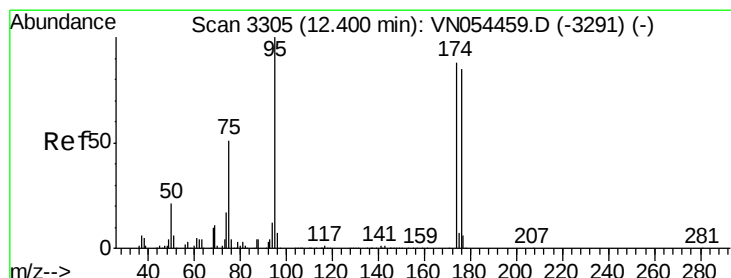
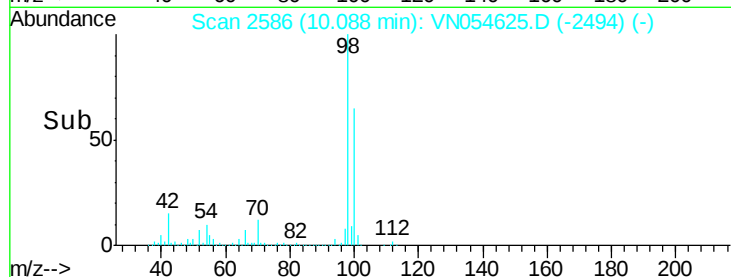
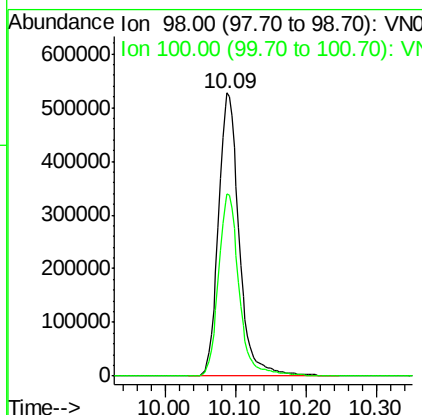
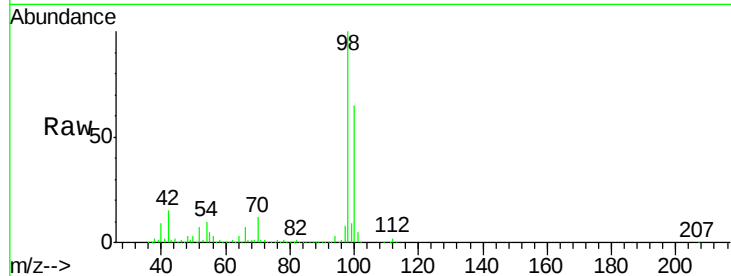




#50
Toluene-d8
Concen: 50.806 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

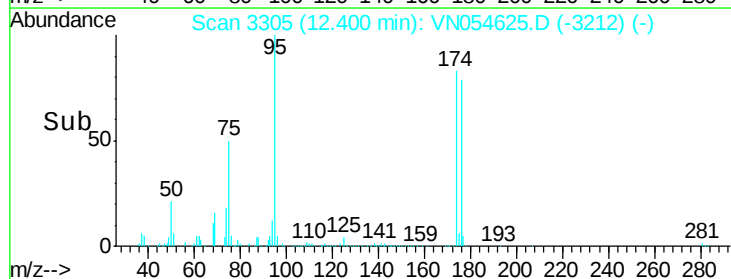
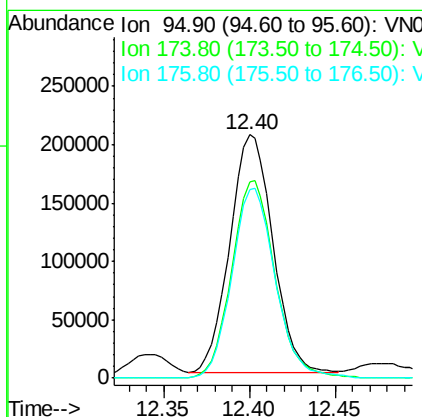
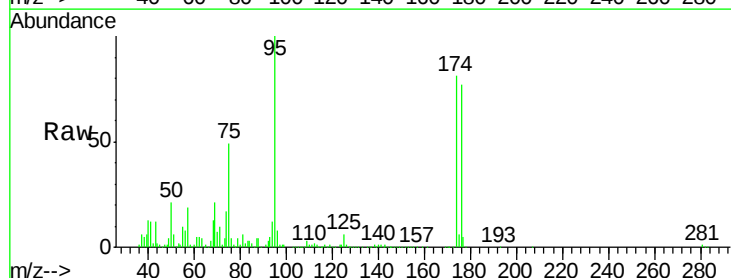
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-FD-(12-14)ME

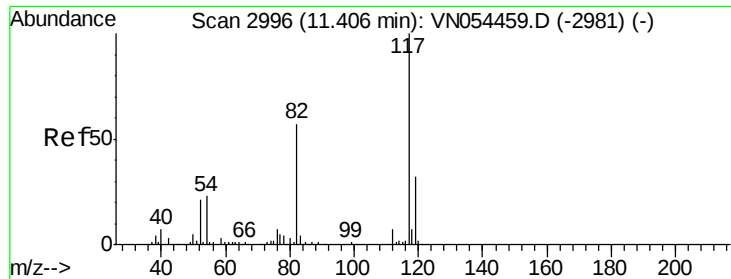
Tot Ion: 98 Resp: 1080729
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 49.108 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

Tgt Ion: 95 Resp: 355460
Ion Ratio Lower Upper
95 100
174 83.7 0.0 191.0
176 80.6 0.0 187.4

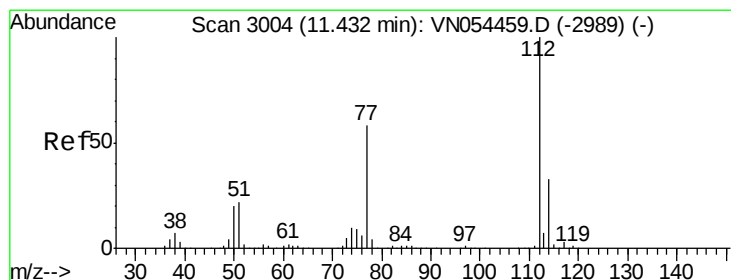
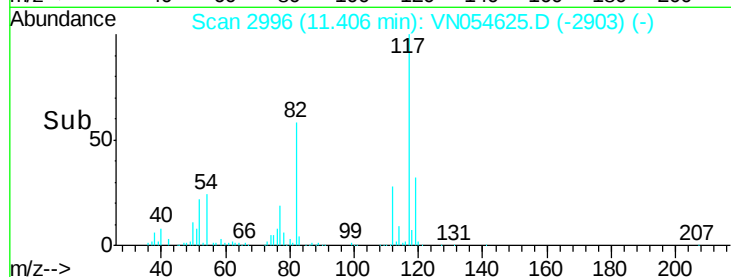
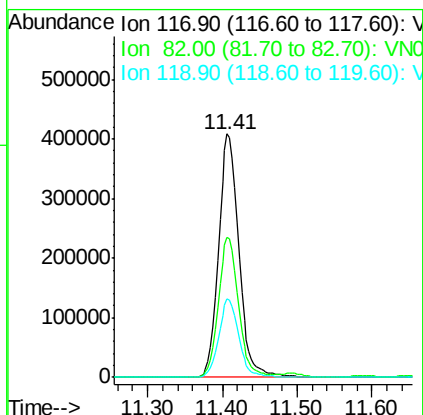
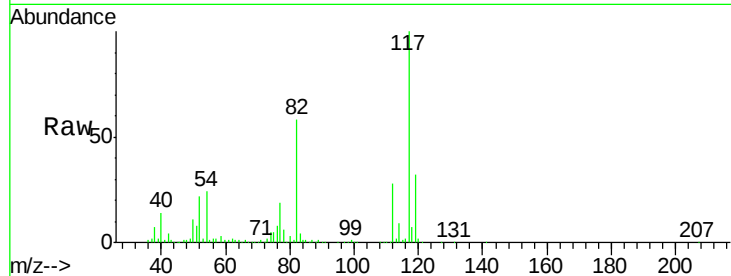




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

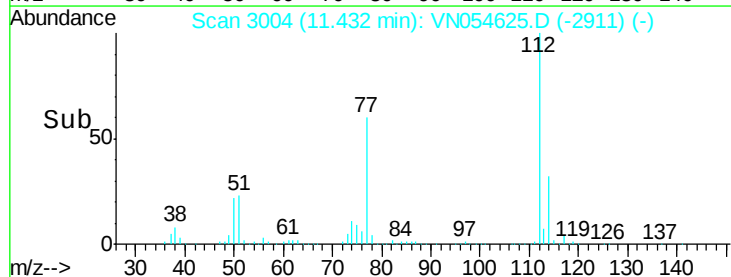
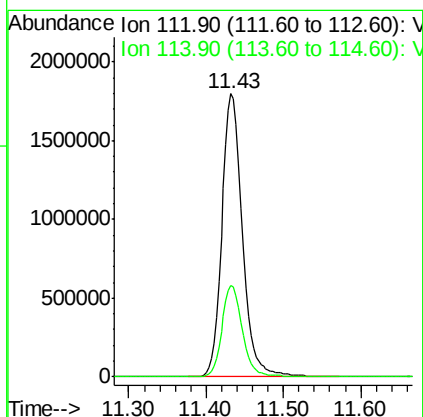
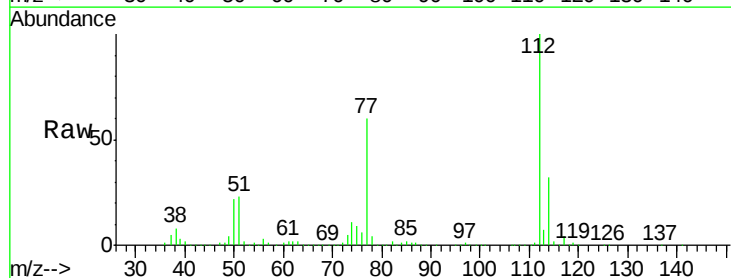
Instrument :
MSVOA_N
ClientSampleId :
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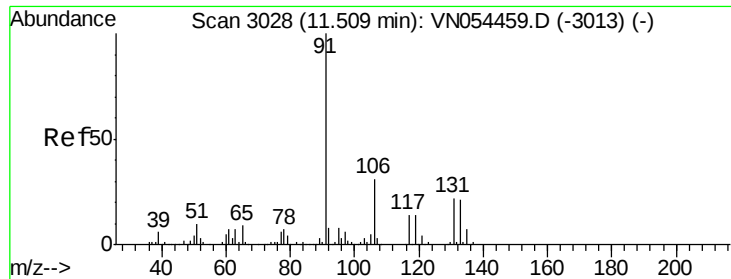
Tot Ion:117 Resp: 767310
Ion Ratio Lower Upper
117 100
82 57.4 40.0 60.0
119 32.2 25.8 38.6



#65
Chlorobenzene
Concen: 213.267 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

Tgt Ion:112 Resp: 3328287
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9





#67

Ethyl Benzene

Concen: 0.307 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

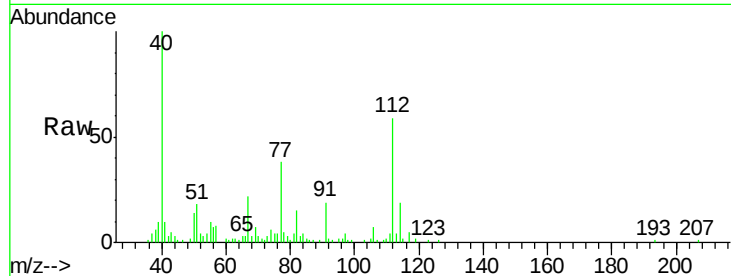
WP022SB442-190319-FD-(12-14)ME

Tot Ion: 91 Resp: 8466

Ion Ratio Lower Upper

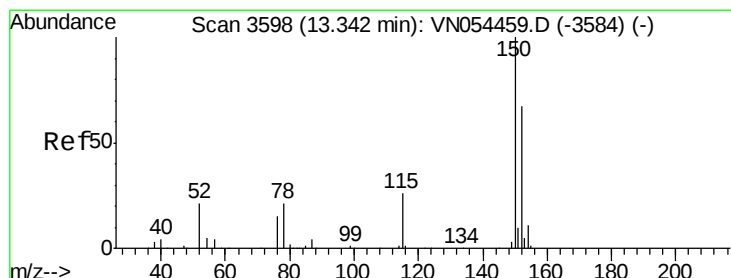
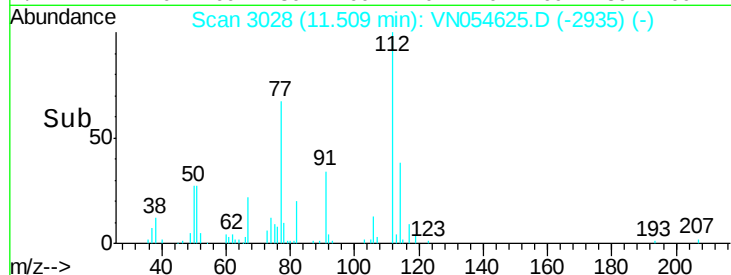
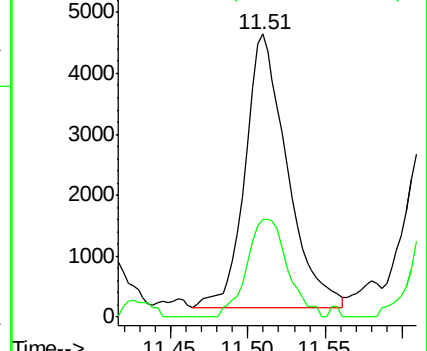
91 100

106 35.7 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN054459.D (-3013) (-)



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

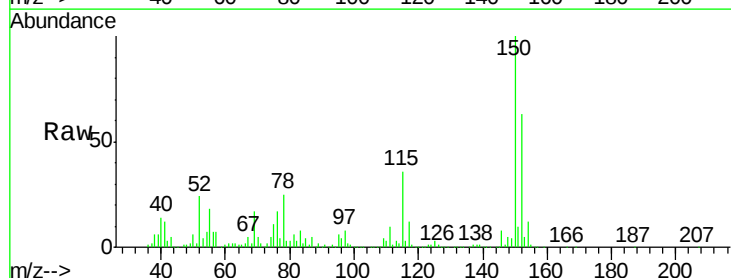
Tgt Ion: 152 Resp: 360152

Ion Ratio Lower Upper

152 100

115 55.0 27.2 81.6

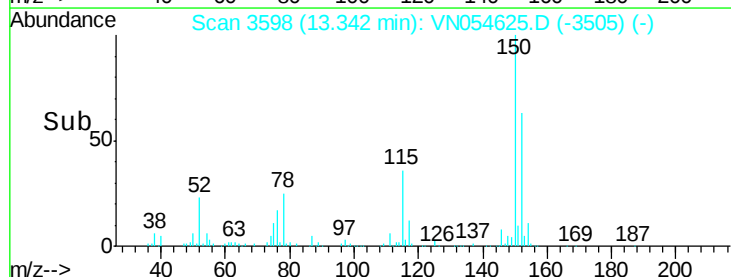
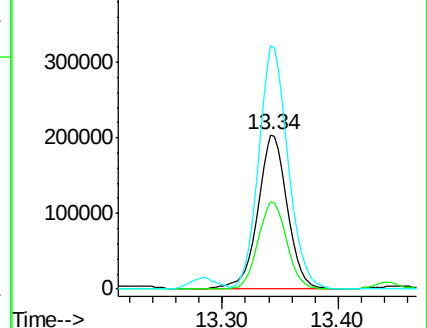
150 157.9 0.0 349.2

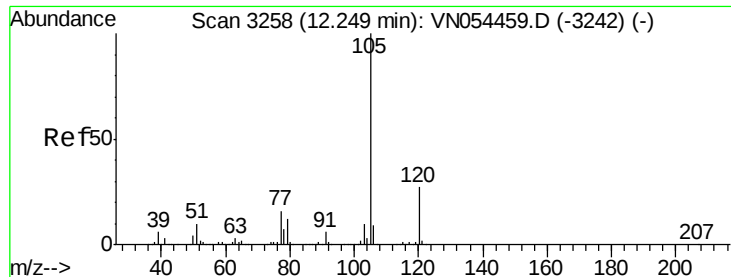


Abundance Ion 151.90 (151.60 to 152.60): VN054459.D (-3584) (-)

Ion 114.90 (114.60 to 115.60): VN054459.D (-3584) (-)

Ion 149.90 (149.60 to 150.60): VN054459.D (-3584) (-)





#73

Isopropylbenzene

Concen: 1.598 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

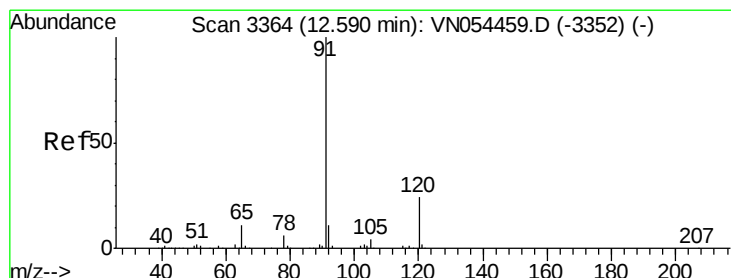
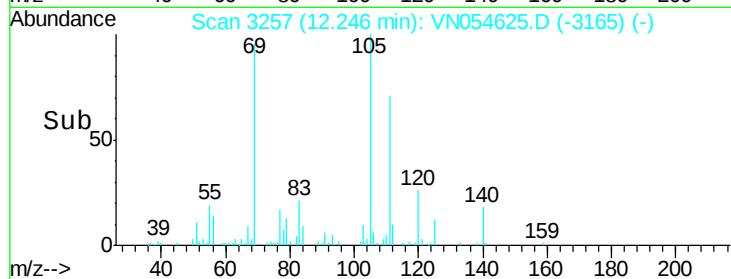
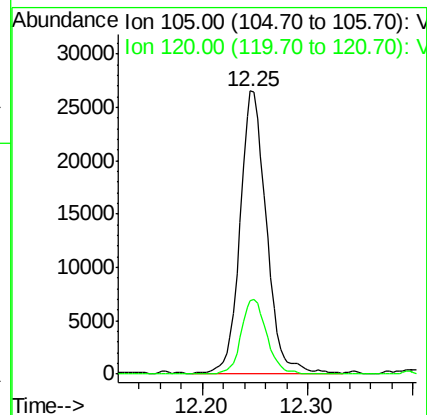
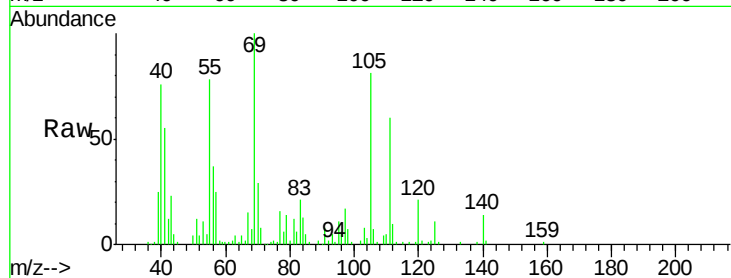
WP022SB442-190319-FD-(12-14)ME

Tot Ion:105 Resp: 46382

Ion Ratio Lower Upper

105 100

120 25.3 13.8 41.3



#78

n-propylbenzene

Concen: 3.285 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054625.D

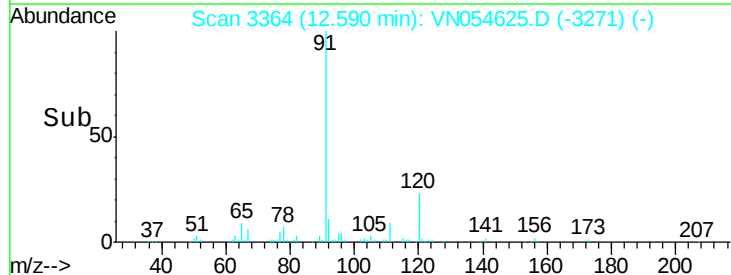
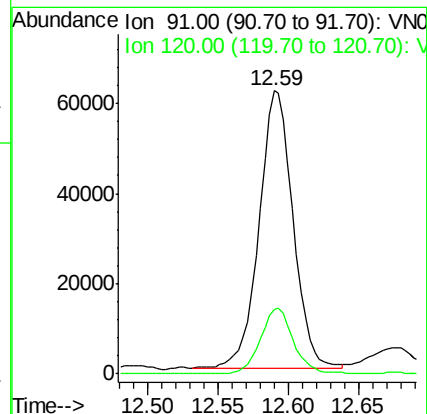
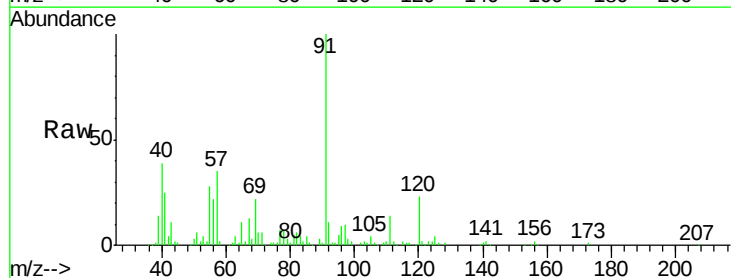
Acq: 24 Mar 2019 1:35

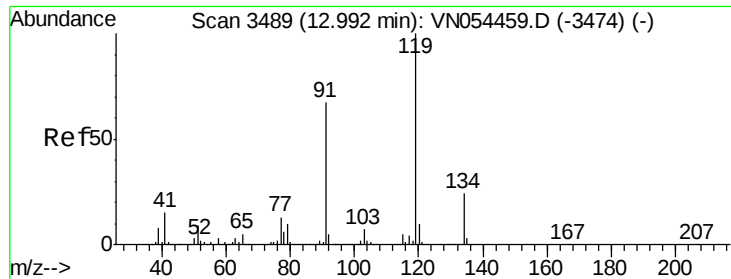
Tgt Ion: 91 Resp: 103390

Ion Ratio Lower Upper

91 100

120 23.1 12.3 36.9

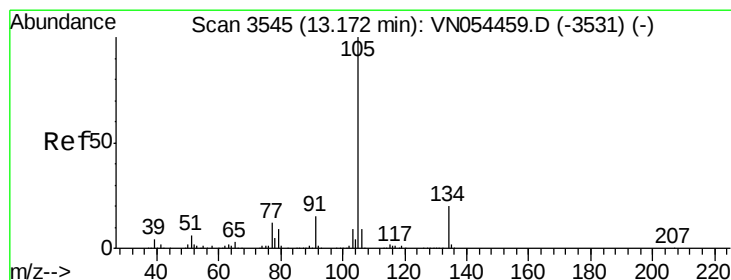
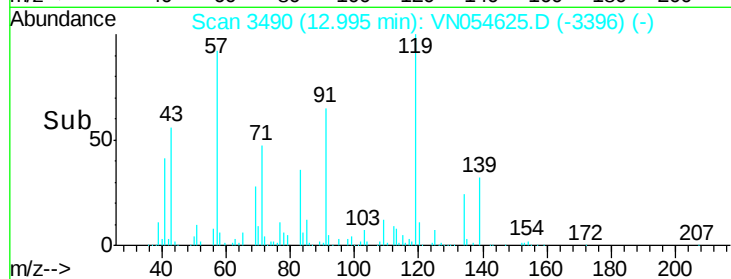
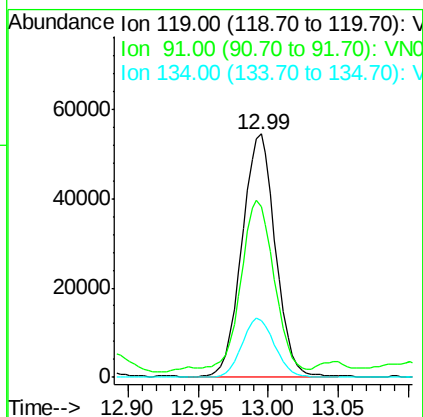
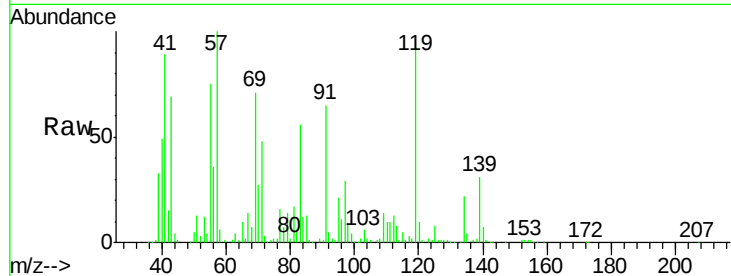




#83
tert-Butylbenzene
Concen: 4.343 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

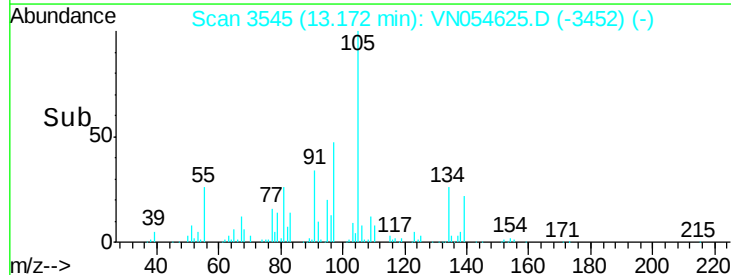
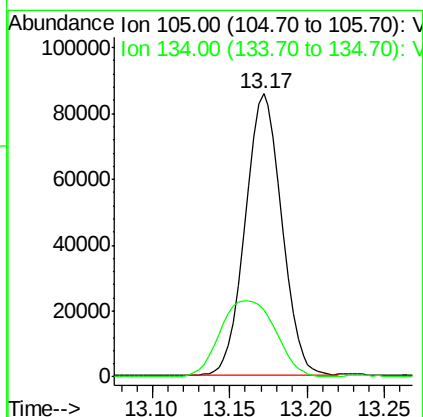
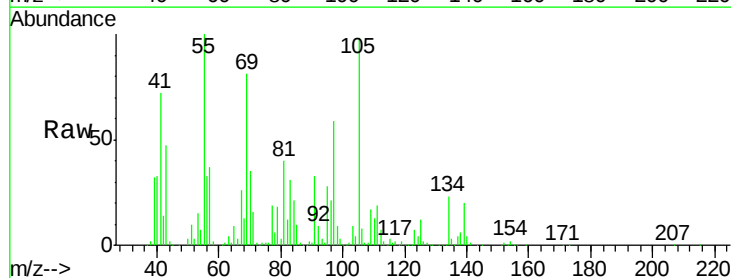
Instrument :
MSVOA_N
ClientSampleId :
WP022SB442-190319-FD-(12-14)ME

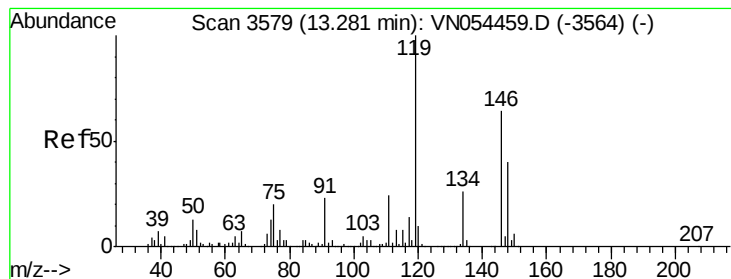
Tot Ion:119 Resp: 89927
Ion Ratio Lower Upper
119 100
91 67.4 30.9 92.8
134 23.9 13.2 39.6



#85
sec-Butylbenzene
Concen: 5.465 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN054625.D
Acq: 24 Mar 2019 1:35

Tgt Ion:105 Resp: 141056
Ion Ratio Lower Upper
105 100
134 40.9 10.7 32.1#





#87

1,3-Dichlorobenzene

Concen: 19.639 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-FD-(12-14)ME

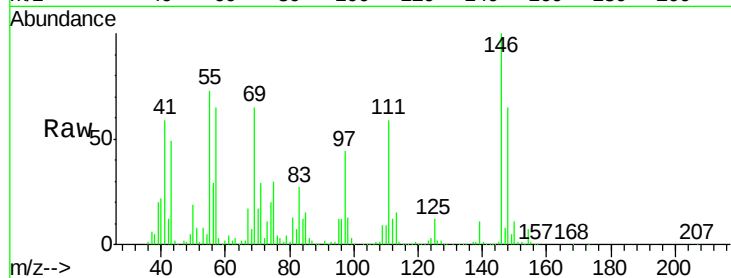
Tot Ion:146 Resp: 234253

Ion Ratio Lower Upper

146 100

111 61.4 18.8 56.3#

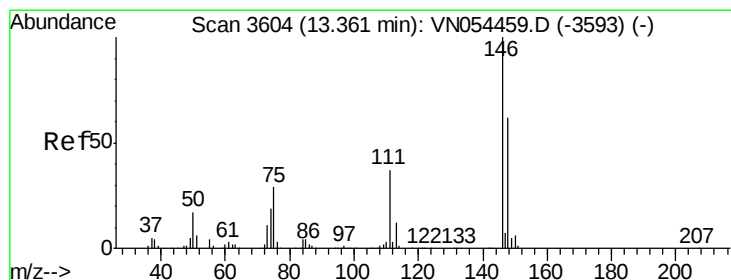
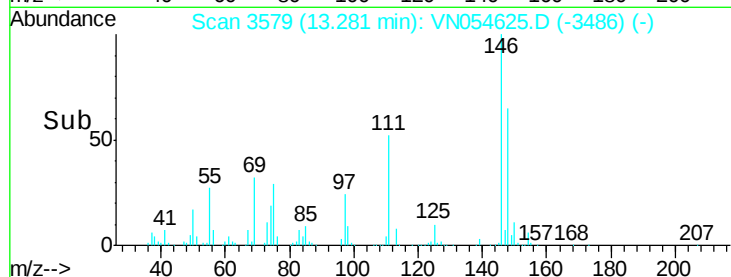
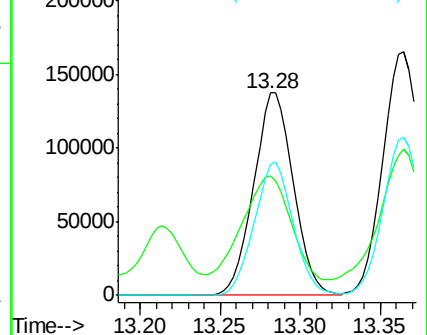
148 64.4 32.2 96.6



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: 24.090 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054625.D

Acq: 24 Mar 2019 1:35

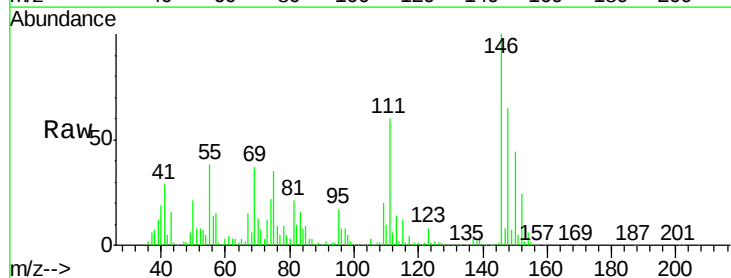
Tgt Ion:146 Resp: 279574

Ion Ratio Lower Upper

146 100

111 57.8 18.1 54.1#

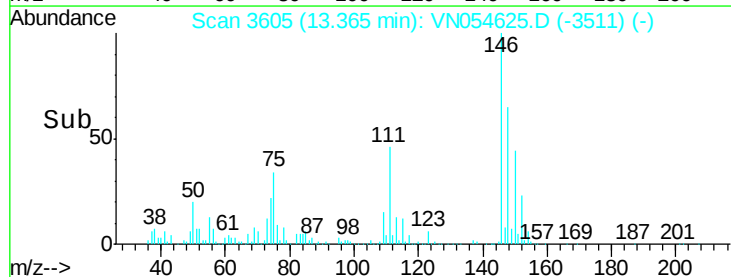
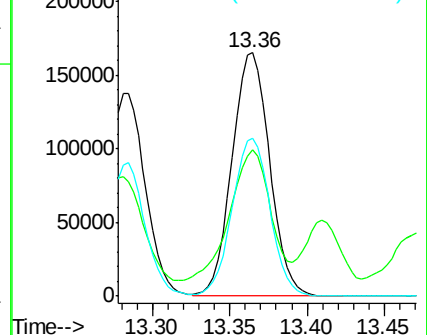
148 65.3 32.0 96.0

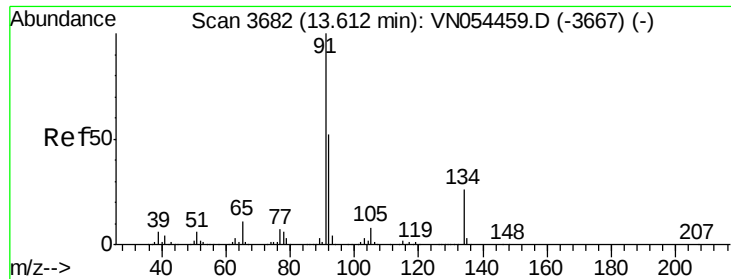


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 8.985 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054625.D

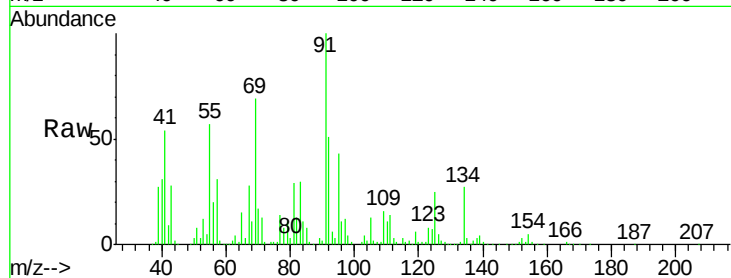
Acq: 24 Mar 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

WP022SB442-190319-FD-(12-14)ME



Tot Ion: 91 Resp: 162225

Ion Ratio Lower Upper

91 100

92 47.2 26.2 78.6

134 39.4 14.3 42.9

