

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055774.D
 Acq On : 23 May 2019 23:52
 Operator : JC/SP
 Sample : K2996-09ME
 Misc : 5.48g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P-9(0.5-1.0)ME

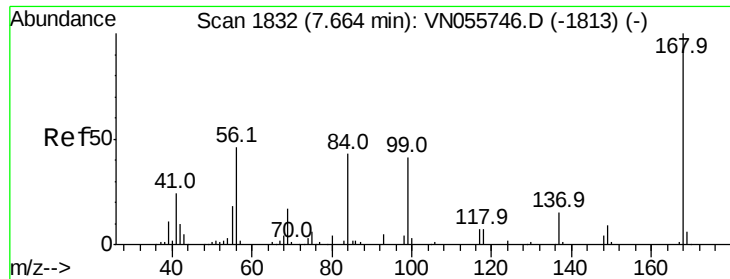
Quant Time: May 24 08:00:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	397869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	541311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	477241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	268676	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	179526	43.69	ug/l	0.00
Spiked Amount			Recovery	=	87.38%	
35) Dibromofluoromethane	7.59	113	163168	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
50) Toluene-d8	10.09	98	763025	58.12	ug/l	0.00
Spiked Amount			Recovery	=	116.24%	
62) 4-Bromofluorobenzene	12.40	95	365214	81.13	ug/l	0.00
Spiked Amount			Recovery	=	162.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.63	56	1582497	256.596	ug/l #	56
39) Methylcyclohexane	9.08	83	2320789	397.290	ug/l	93
40) Benzene	8.04	78	140678	9.895	ug/l	98
52) Toluene	10.16	92	73119	8.177	ug/l	95
67) Ethyl Benzene	11.51	91	1215236	70.931	ug/l	99
68) m/p-Xylenes	11.62	106	279448	43.145	ug/l	97
69) o-Xylene	11.95	106	35853	5.579	ug/l	73
73) Isopropylbenzene	12.25	105	5394705	295.357	ug/l	99
78) n-propylbenzene	12.59	91	5770069	247.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	87410	3.029	ug/l	96
83) tert-Butylbenzene	12.99	119	135613	7.160	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	139718	6.671	ug/l	97
85) sec-Butylbenzene	13.17	105	781951	42.898	ug/l #	56
86) p-Isopropyltoluene	13.29	119	233925	12.537	ug/l	95
89) n-Butylbenzene	13.61	91	1528708	106.931	ug/l #	76
95) Naphthalene	15.13	128	3092119	248.789	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055774.D

Acq: 23 May 2019 23:52

Instrument :

MSVOA_N

ClientSampleId :

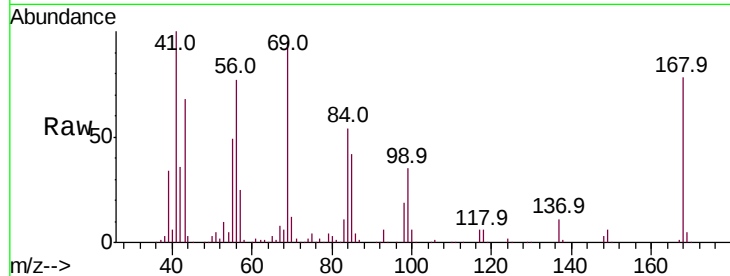
P-9(0.5-1.0)ME

Tot Ion:168 Resp: 397869

Ion Ratio Lower Upper

168 100

99 45.0 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055774.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055774.D (-1813) (-)

7.66

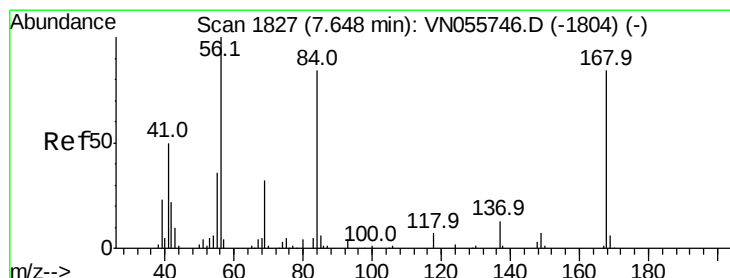
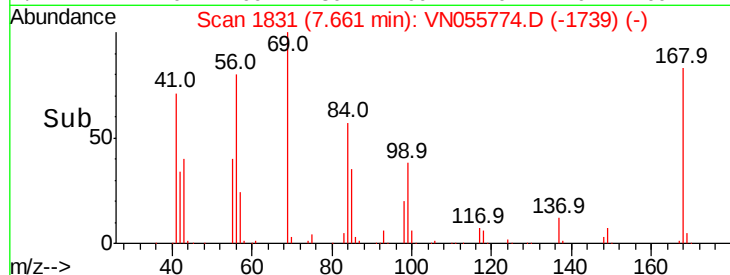
150000

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 256.596 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.02 min

Lab File: VN055774.D

Acq: 23 May 2019 23:52

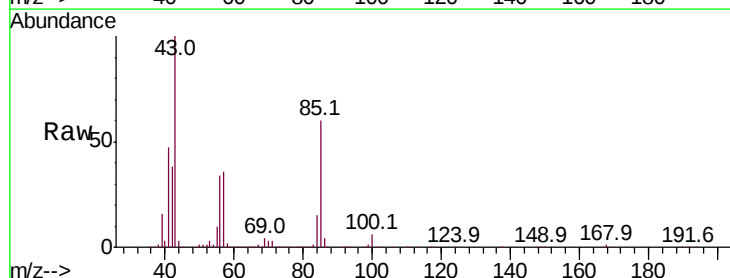
Tgt Ion: 56 Resp: 1582497

Ion Ratio Lower Upper

56 100

69 7.5 25.6 38.4#

84 44.7 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN055774.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN055774.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN055774.D (-1804) (-)

7.63

800000

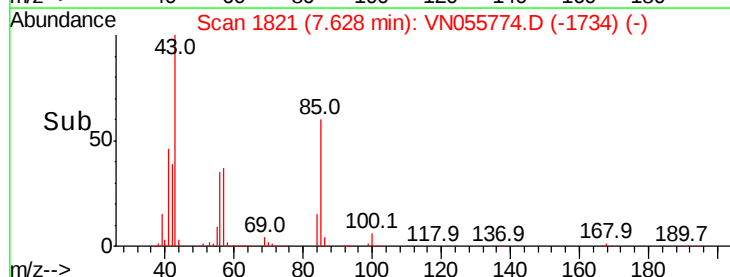
600000

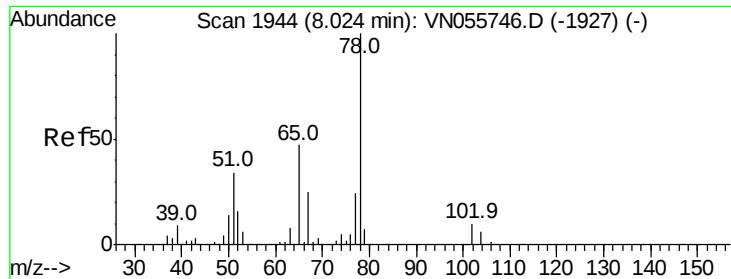
400000

200000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 43.692 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055774.D

Acq: 23 May 2019 23:52

Instrument :

MSVOA_N

ClientSampleId :

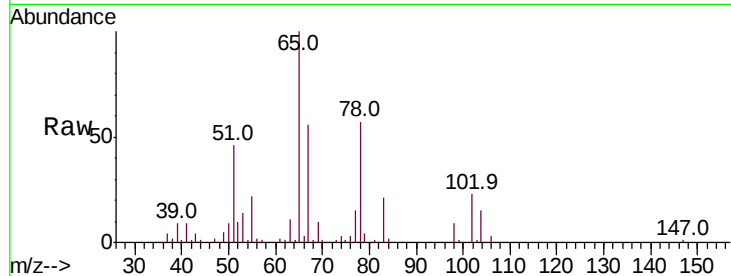
P-9(0.5-1.0)ME

Tot Ion: 65 Resp: 179526

Ion Ratio Lower Upper

65 100

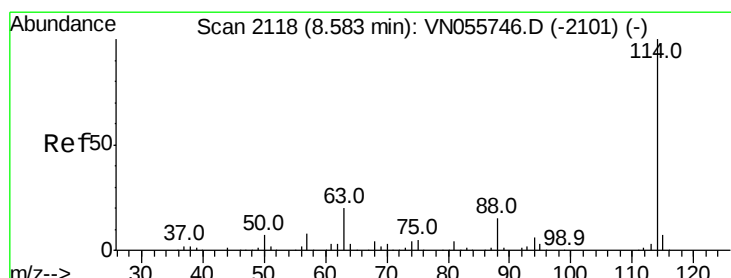
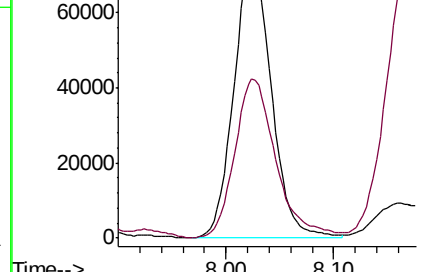
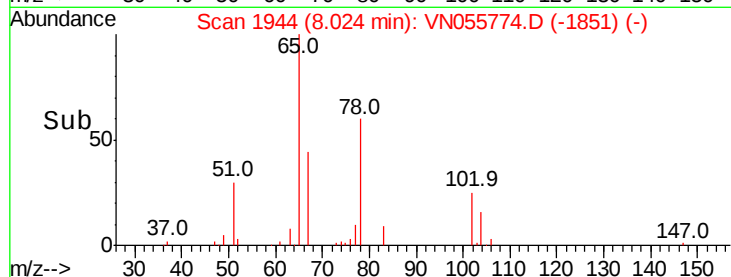
67 62.2 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.02



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055774.D

Acq: 23 May 2019 23:52

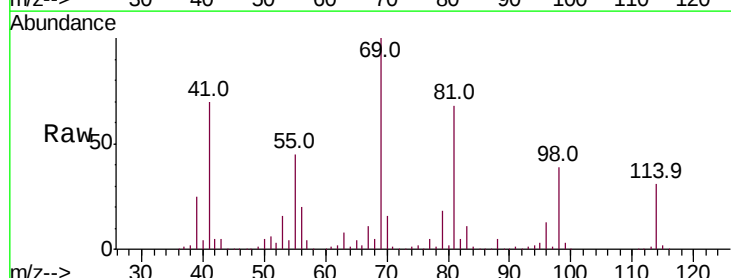
Tgt Ion:114 Resp: 541311

Ion Ratio Lower Upper

114 100

63 24.6 0.0 39.2

88 15.1 0.0 31.0

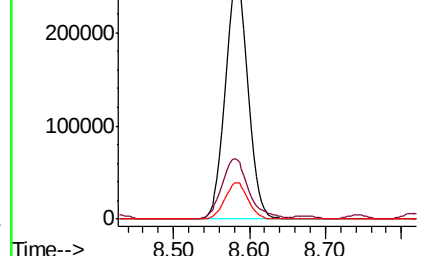
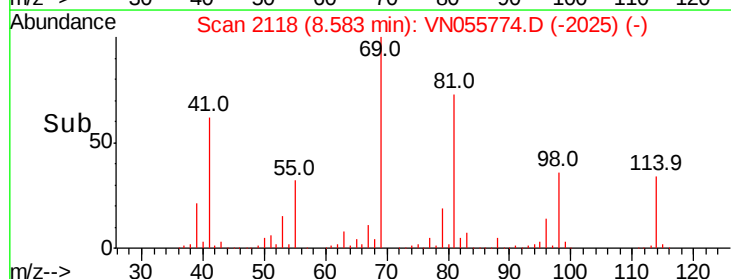


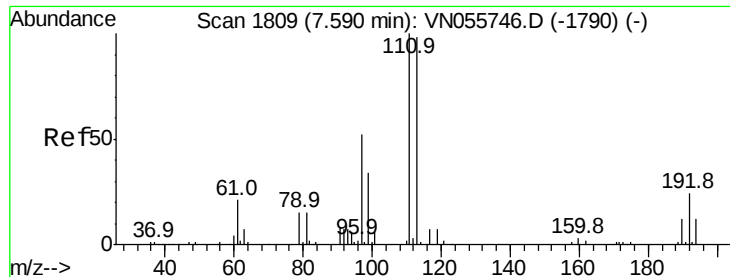
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.58





#35

Dibromofluoromethane

Concen: 47.677 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN055774.D

Acq: 23 May 2019 23:52

Instrument :

MSVOA_N

ClientSampleId :

P-9(0.5-1.0)ME

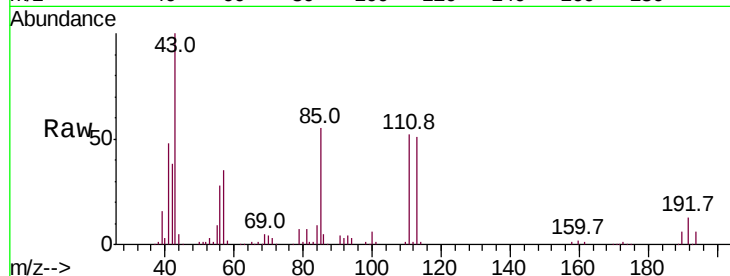
Tot Ion:113 Resp: 163168

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

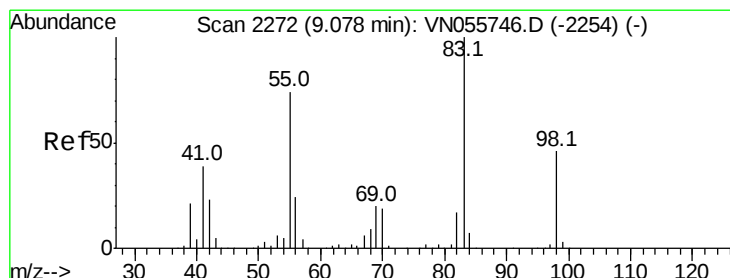
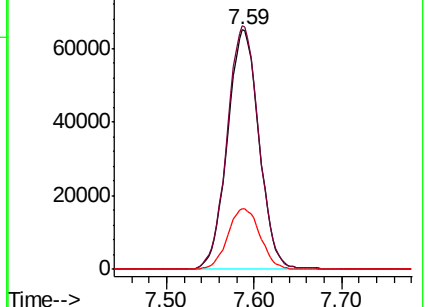
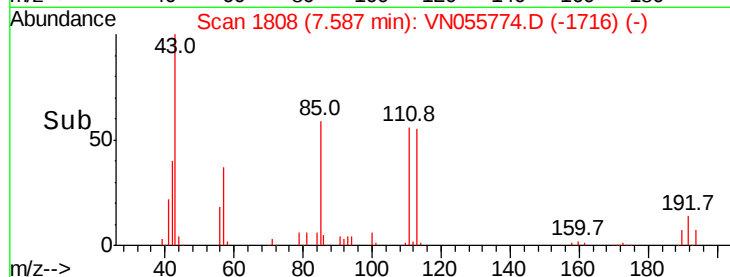
192 25.9 19.5 29.3



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

Methylcyclohexane

Concen: 397.290 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN055774.D

Acq: 23 May 2019 23:52

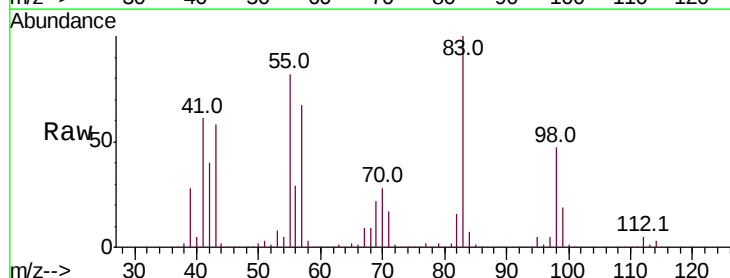
Tgt Ion: 83 Resp: 2320789

Ion Ratio Lower Upper

83 100

55 82.0 59.3 88.9

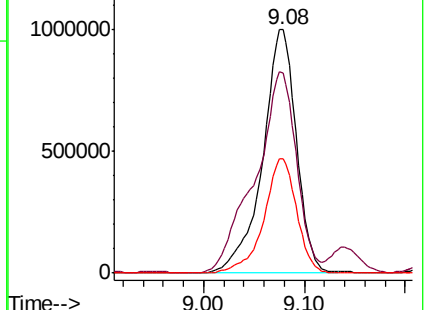
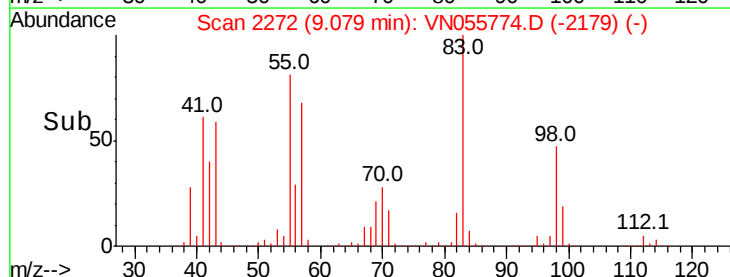
98 47.0 36.6 54.8

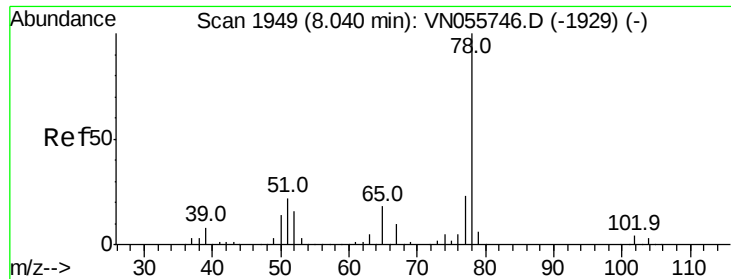


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 9.895 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN055774.D

Acq: 23 May 2019 23:52

Instrument :

MSVOA_N

ClientSampleId :

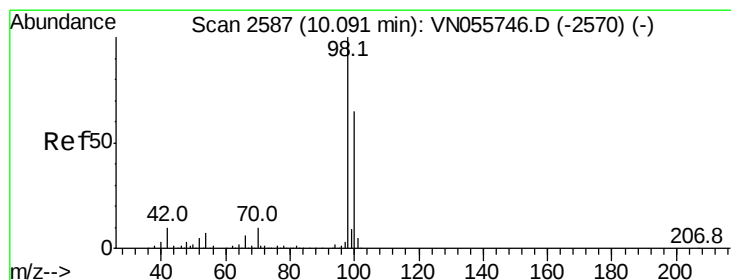
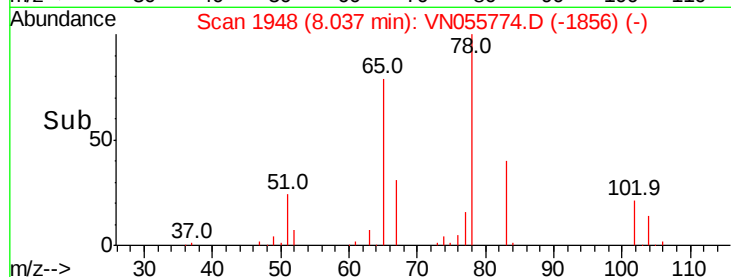
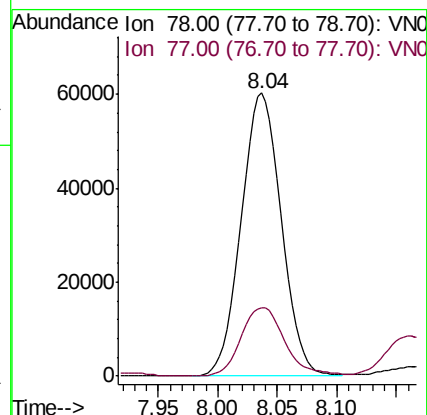
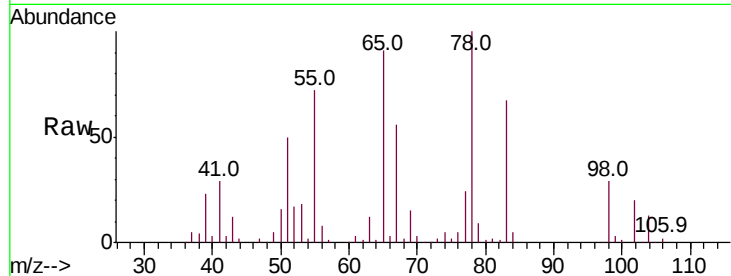
P-9(0.5-1.0)ME

Tot Ion: 78 Resp: 140678

Ion Ratio Lower Upper

78 100

77 24.4 18.8 28.2



#50

Toluene-d8

Concen: 58.123 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055774.D

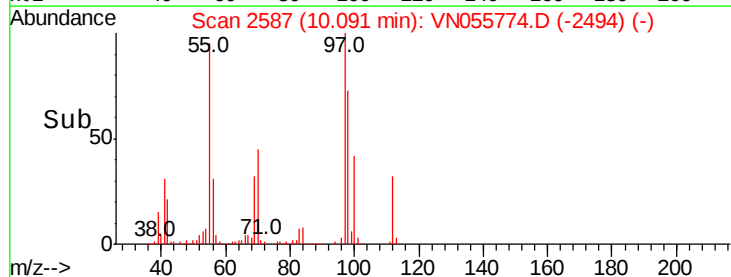
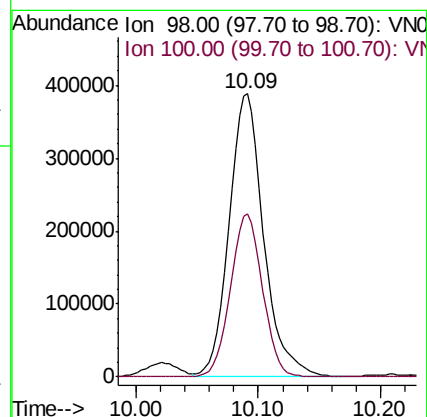
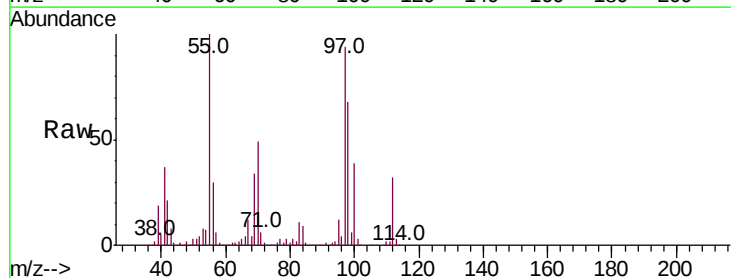
Acq: 23 May 2019 23:52

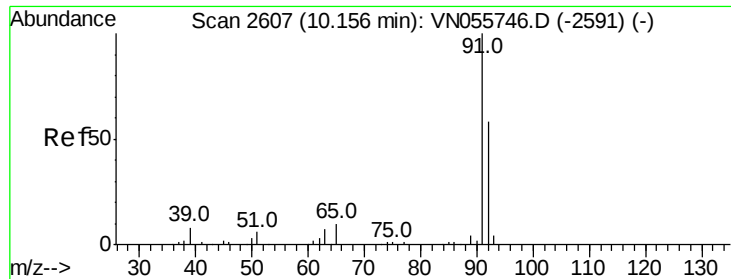
Tgt Ion: 98 Resp: 763025

Ion Ratio Lower Upper

98 100

100 53.8 51.9 77.9





#52

Toluene

Concen: 8.177 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055774.D

Acq: 23 May 2019 23:52

Instrument :

MSVOA_N

ClientSampleId :

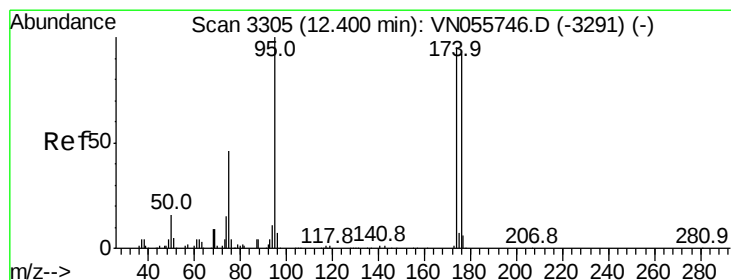
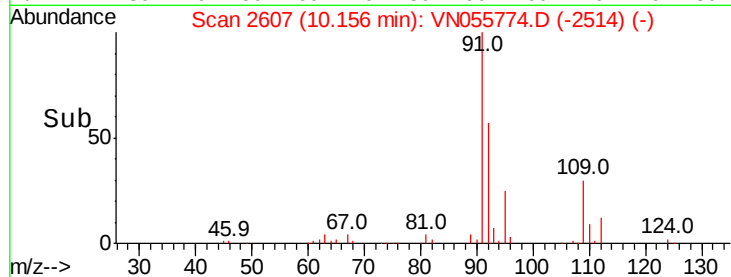
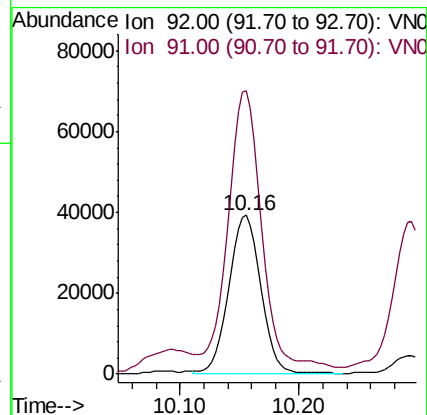
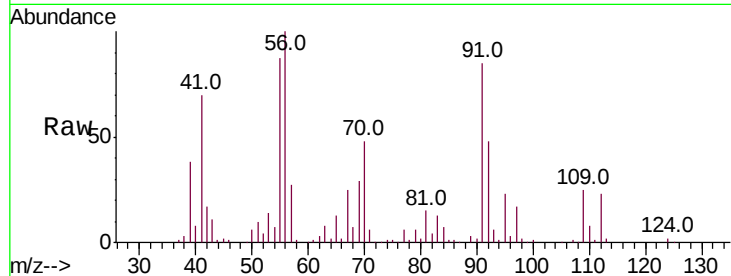
P-9(0.5-1.0)ME

Tot Ion: 92 Resp: 73119

Ion Ratio Lower Upper

92 100

91 181.1 139.4 209.2



#62

4-Bromofluorobenzene

Concen: 81.134 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055774.D

Acq: 23 May 2019 23:52

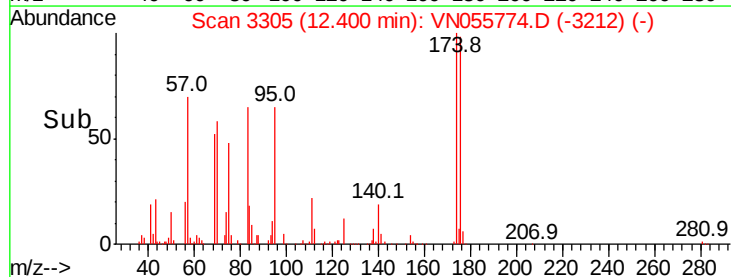
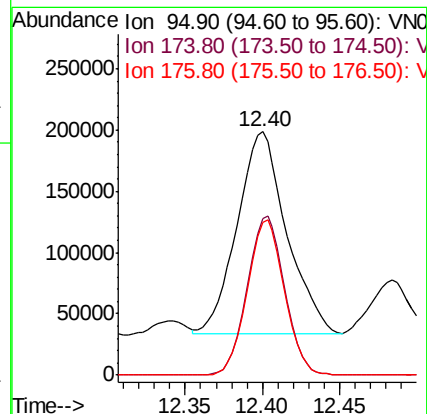
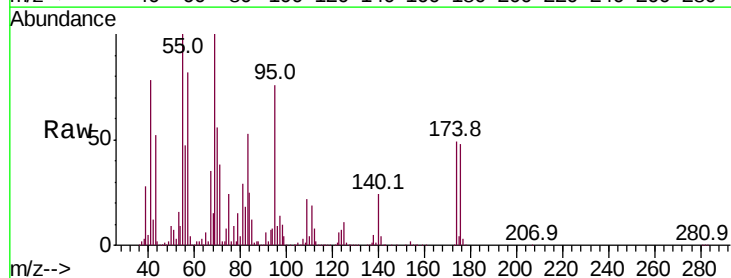
Tgt Ion: 95 Resp: 365214

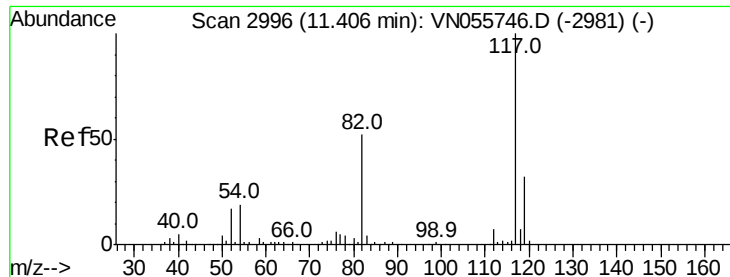
Ion Ratio Lower Upper

95 100

174 59.9 0.0 191.0

176 58.0 0.0 185.2

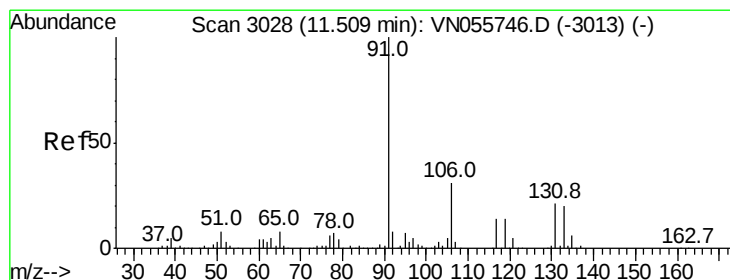
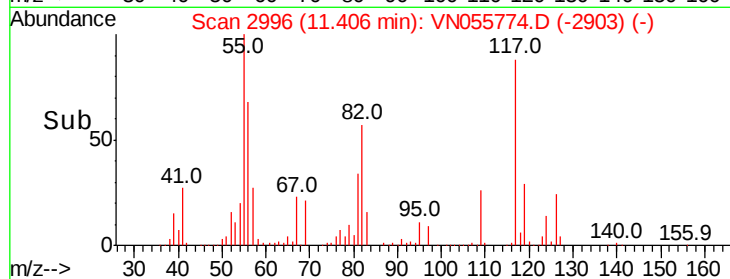
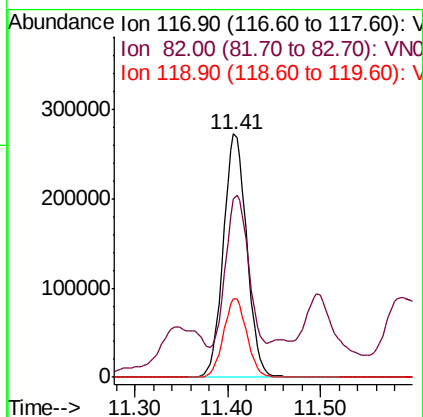
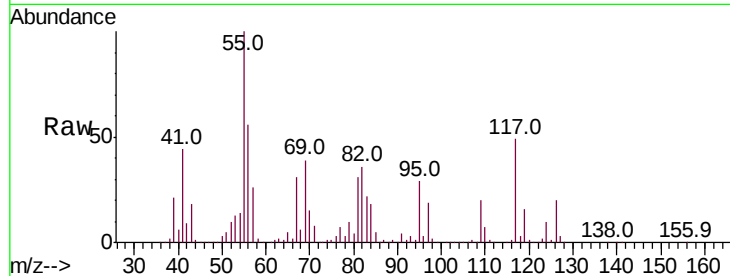




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055774.D
Acq: 23 May 2019 23:52

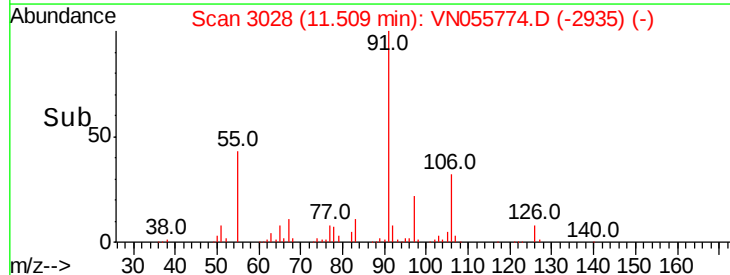
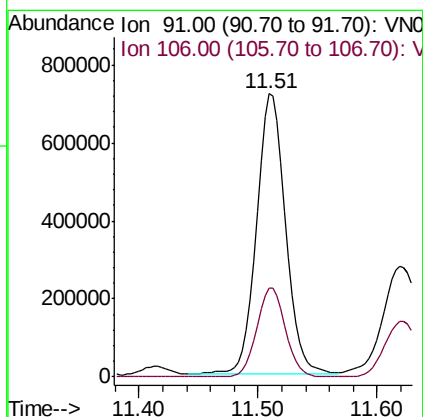
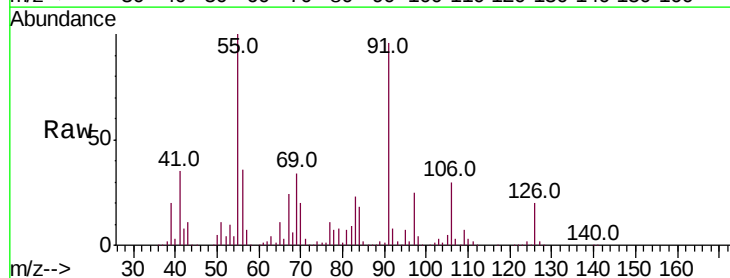
Instrument :
MSVOA_N
ClientSampleId :
P-9(0.5-1.0)ME

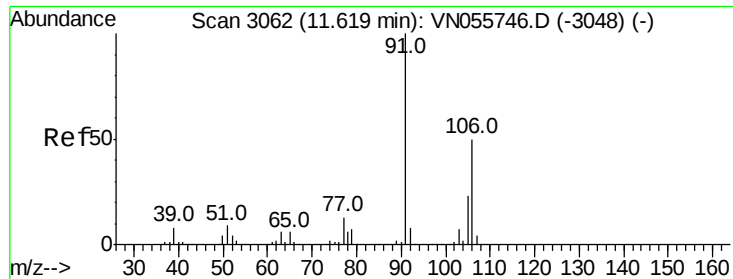
Tot Ion:117 Resp: 477241
Ion Ratio Lower Upper
117 100
82 56.9 41.8 62.8
119 32.5 25.4 38.0



#67
Ethyl Benzene
Concen: 70.931 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055774.D
Acq: 23 May 2019 23:52

Tgt Ion: 91 Resp: 1215236
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

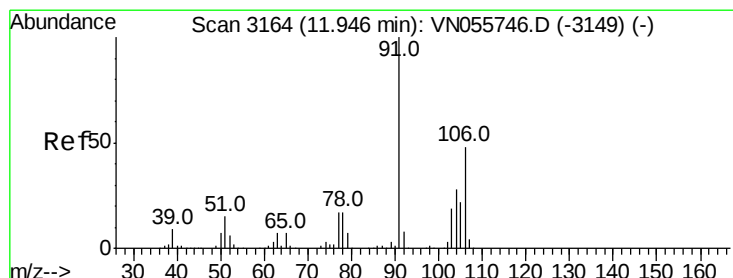
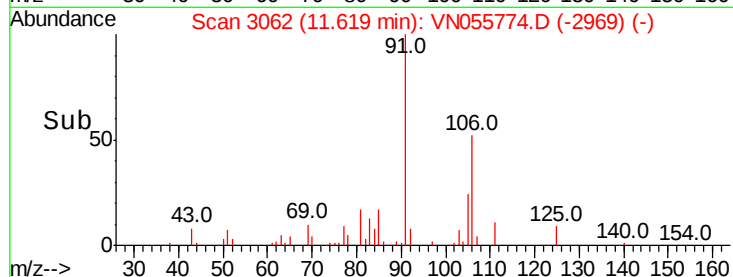
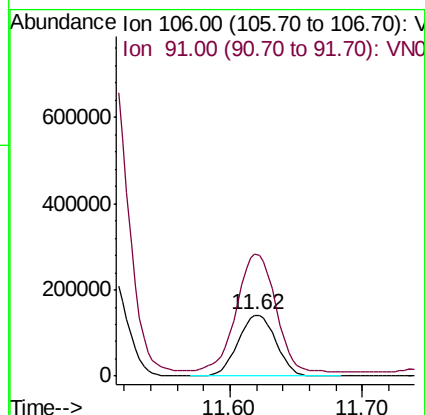
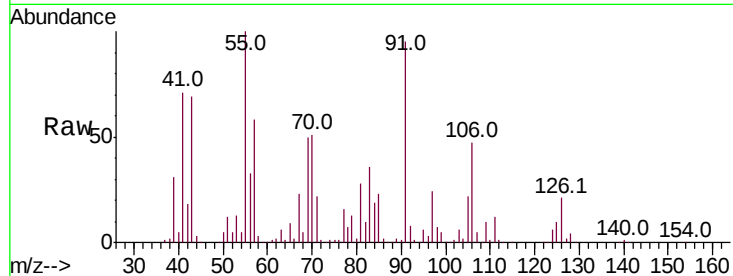




#68
m/p-Xylenes
Concen: 43.145 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055774.D
Acq: 23 May 2019 23:52

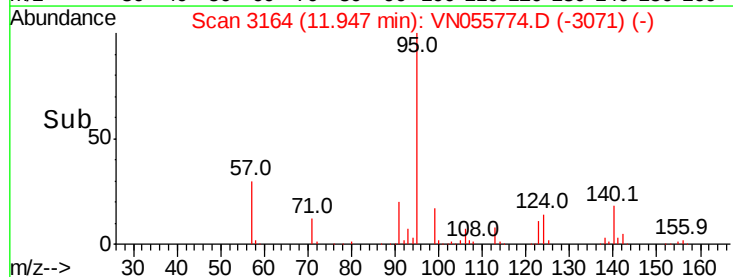
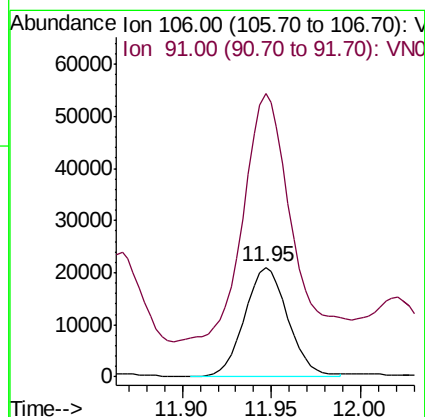
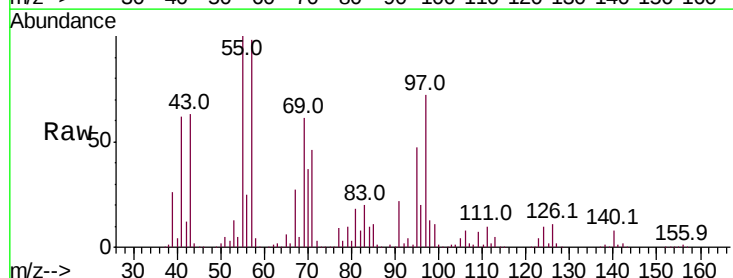
Instrument :
MSVOA_N
ClientSampled :
P-9(0.5-1.0)ME

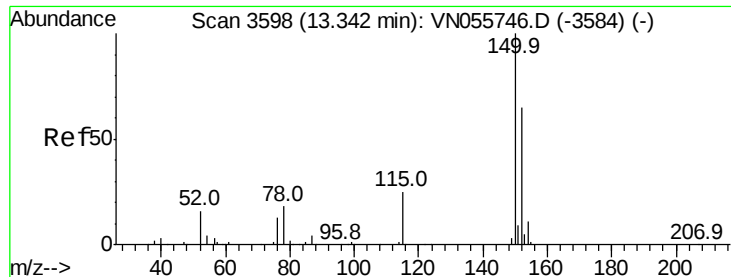
Tot Ion:106 Resp: 279448
Ion Ratio Lower Upper
106 100
91 203.9 159.3 238.9



#69
o-Xylene
Concen: 5.579 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055774.D
Acq: 23 May 2019 23:52

Tgt Ion:106 Resp: 35853
Ion Ratio Lower Upper
106 100
91 251.6 104.7 314.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055774.D

Acq: 23 May 2019 23:52

Instrument :

MSVOA_N

ClientSampleId :

P-9(0.5-1.0)ME

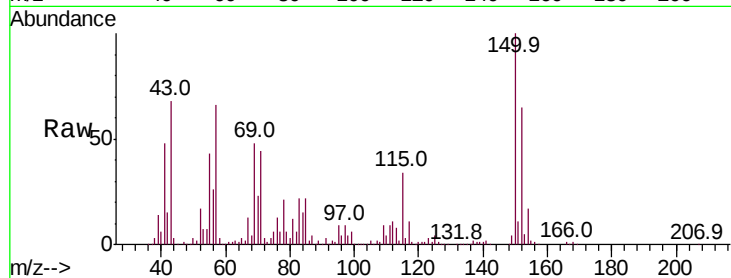
Tot Ion:152 Resp: 268676

Ion Ratio Lower Upper

152 100

115 52.2 27.0 81.0

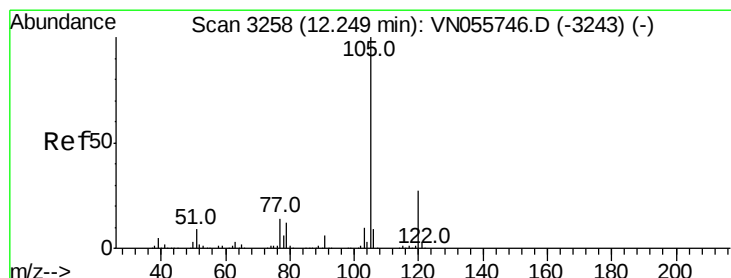
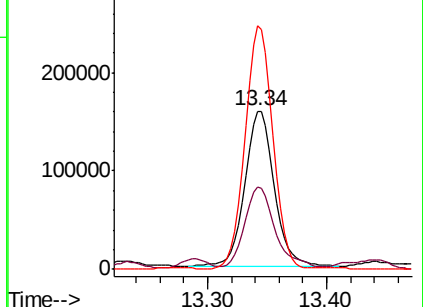
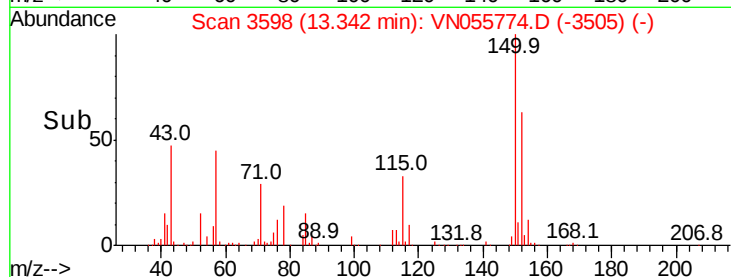
150 148.1 0.0 343.2



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: 295.357 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055774.D

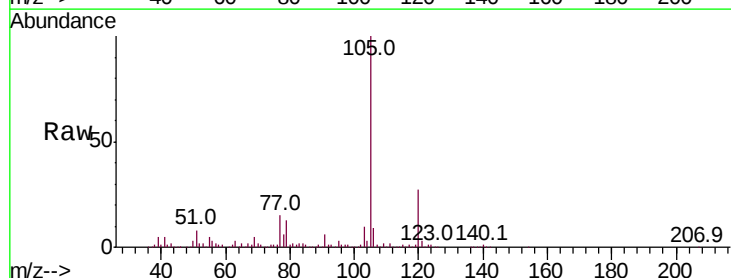
Acq: 23 May 2019 23:52

Tgt Ion:105 Resp: 5394705

Ion Ratio Lower Upper

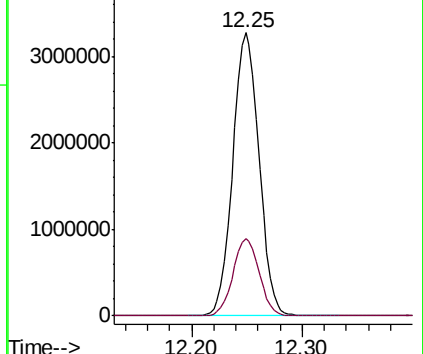
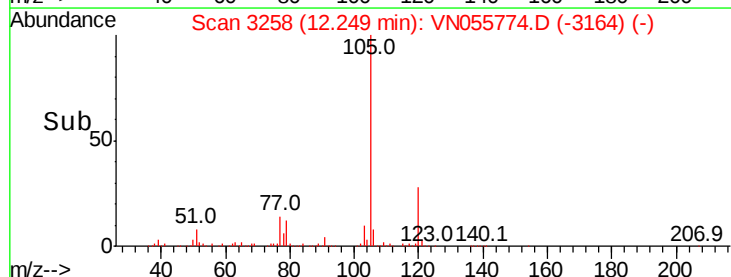
105 100

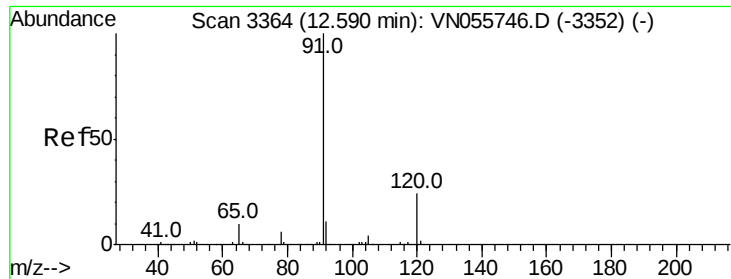
120 27.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 247.095 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055774.D

Acq: 23 May 2019 23:52

Instrument :

MSVOA_N

ClientSampleId :

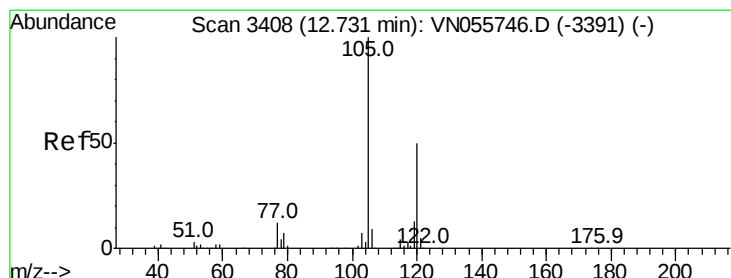
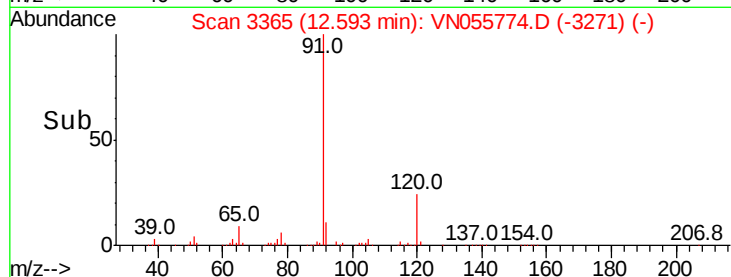
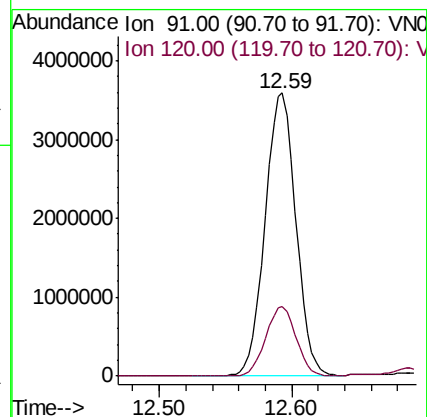
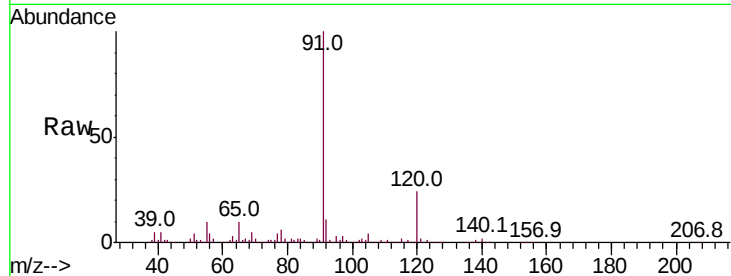
P-9(0.5-1.0)ME

Tot Ion: 91 Resp: 5770069

Ion Ratio Lower Upper

91 100

120 24.3 12.0 36.0



#80

1,3,5-Trimethylbenzene

Concen: 3.029 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055774.D

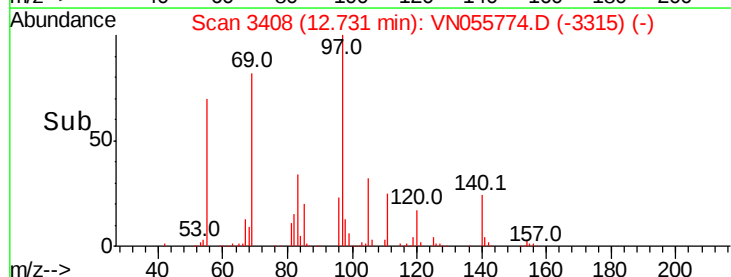
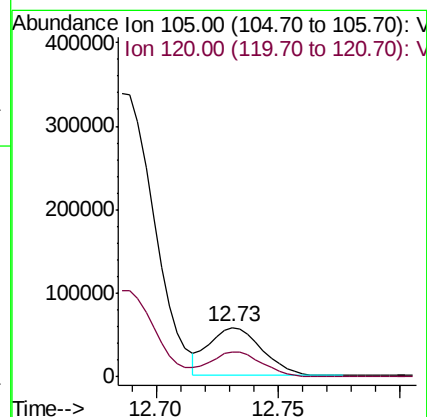
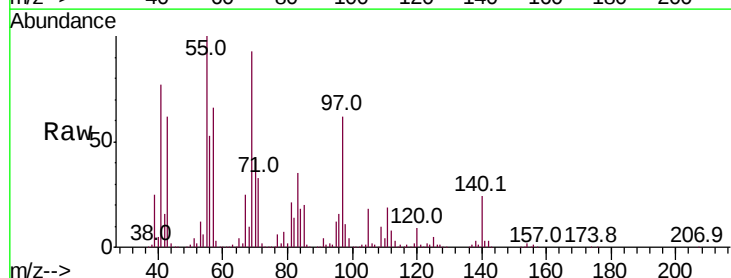
Acq: 23 May 2019 23:52

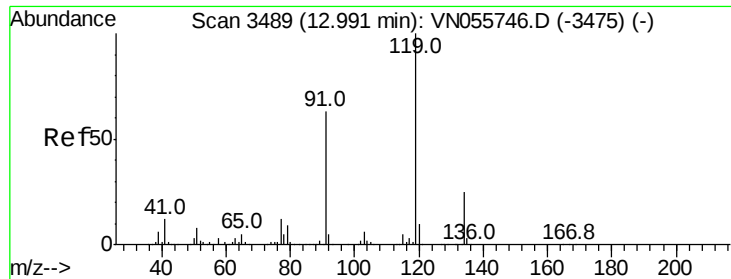
Tgt Ion:105 Resp: 87410

Ion Ratio Lower Upper

105 100

120 52.0 24.7 74.1

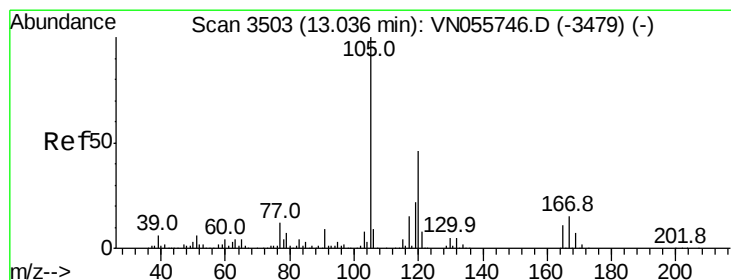
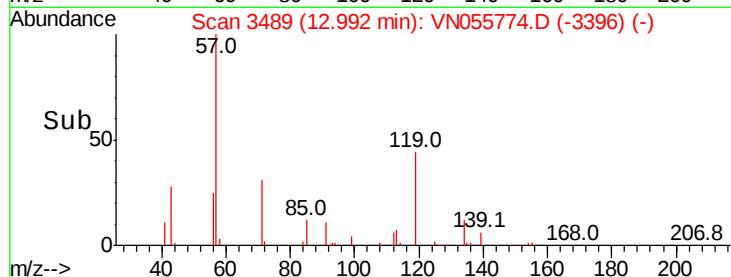
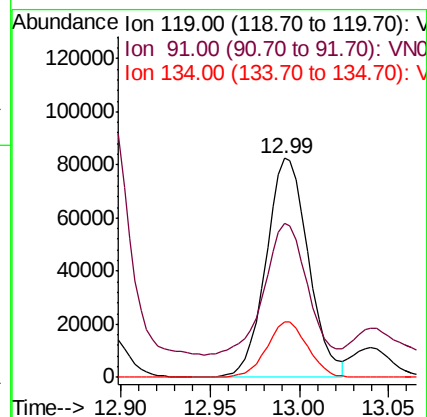
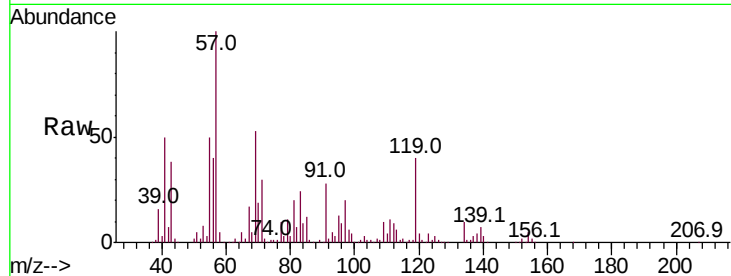




#83
 tert-Butylbenzene
 Concen: 7.160 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055774.D
 Acq: 23 May 2019 23:52

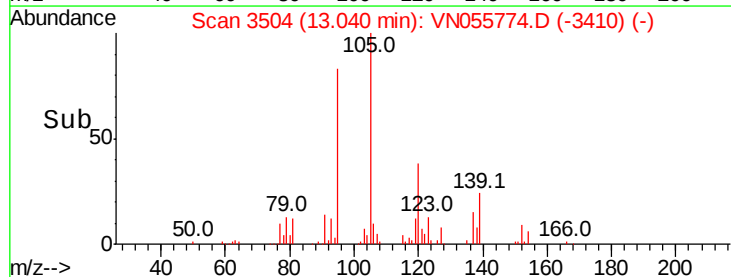
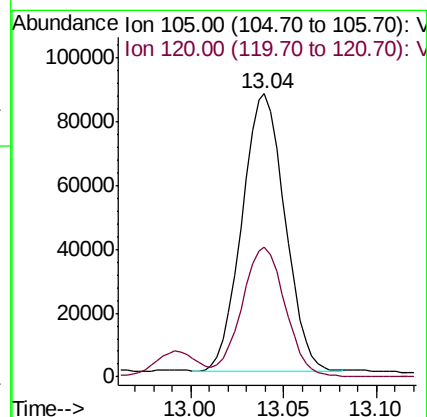
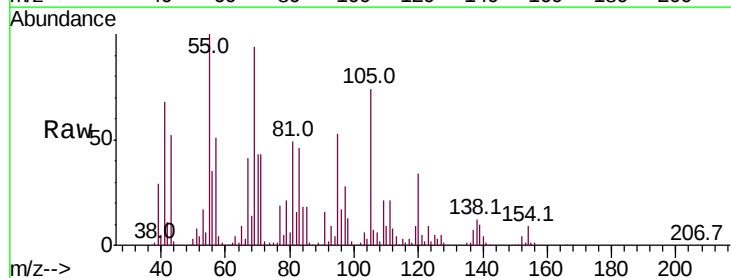
Instrument :
 MSVOA_N
 ClientSampleId :
 P-9(0.5-1.0)ME

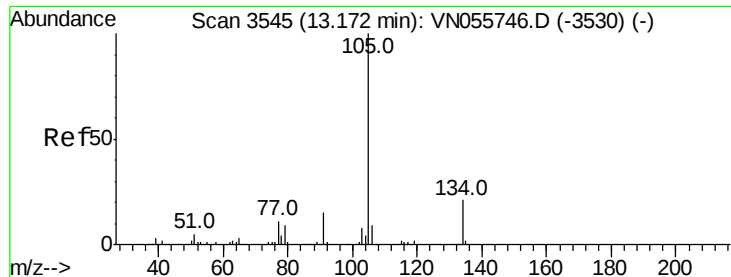
Tot Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.9	92.8
134	24.7	13.3	39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 6.671 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055774.D
 Acq: 23 May 2019 23:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.0	69.0





#85

sec-Butylbenzene

Concen: 42.898 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055774.D

Acq: 23 May 2019 23:52

Instrument :

MSVOA_N

ClientSampleId :

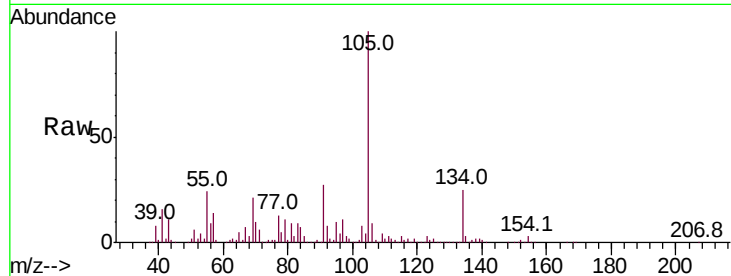
P-9(0.5-1.0)ME

Tot Ion:105 Resp: 781951

Ion Ratio Lower Upper

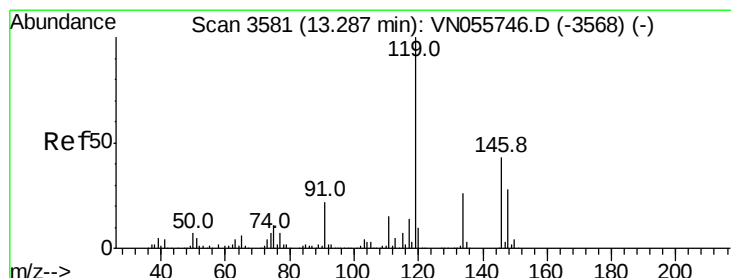
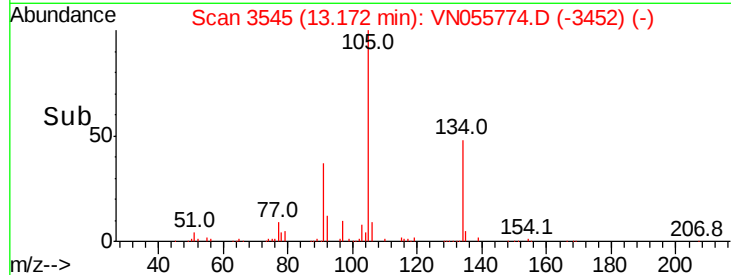
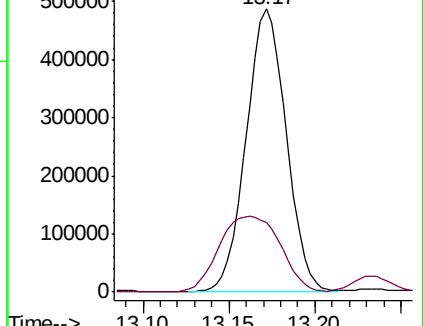
105 100

134 41.5 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 12.537 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055774.D

Acq: 23 May 2019 23:52

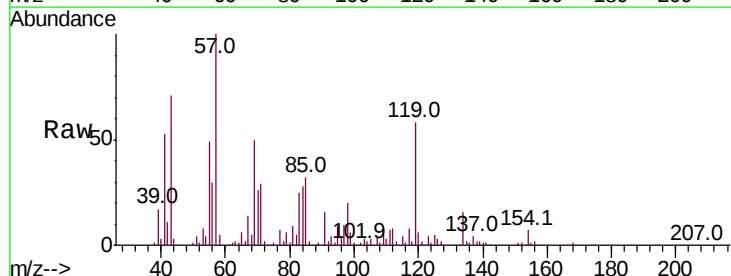
Tgt Ion:119 Resp: 233925

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

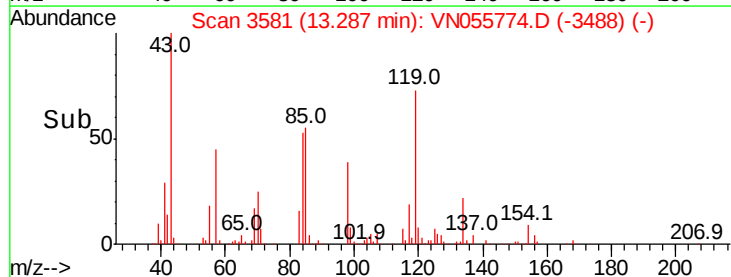
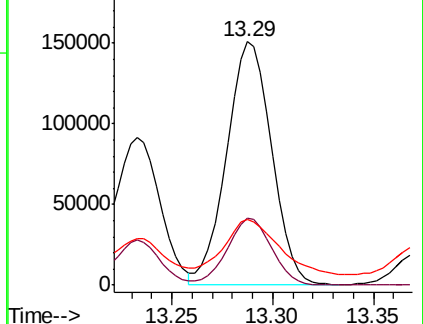
91 27.1 10.9 32.9

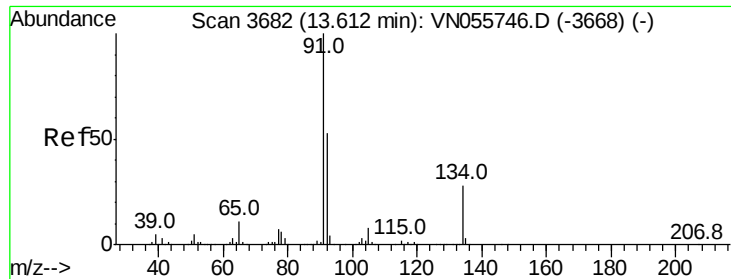


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

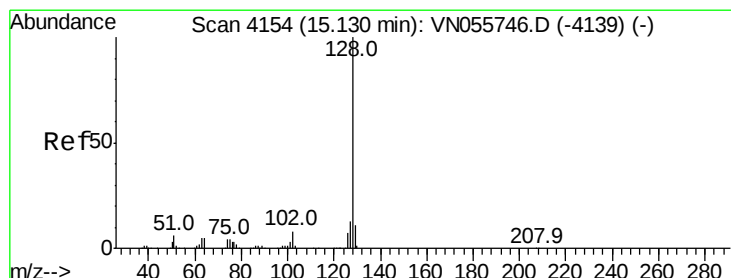
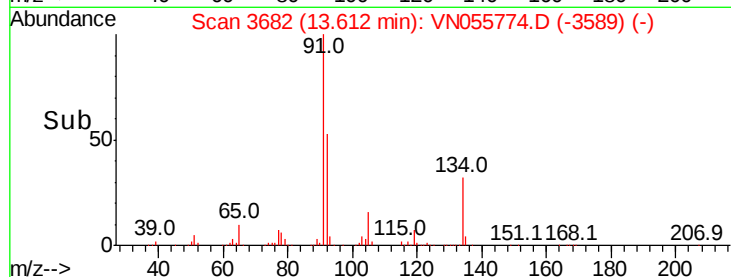
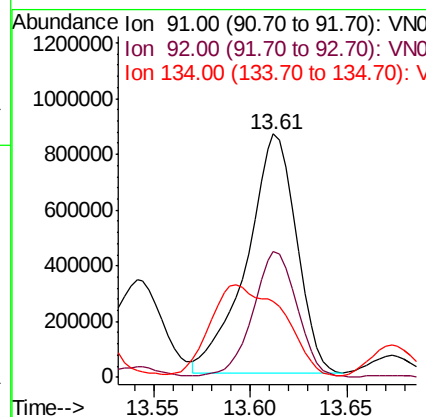
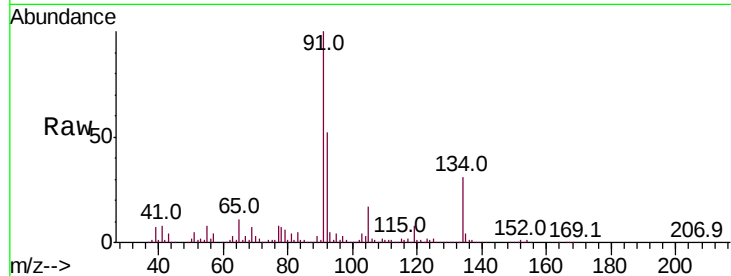




#89
n-Butylbenzene
Concen: 106.931 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055774.D
Acq: 23 May 2019 23:52

Instrument :
MSVOA_N
ClientSampleId :
P-9(0.5-1.0)ME

Tot Ion: 91 Resp: 1528708
Ion Ratio Lower Upper
91 100
92 46.5 26.4 79.0
134 55.7 13.9 41.7#



#95
Naphthalene
Concen: 248.789 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055774.D
Acq: 23 May 2019 23:52

Tgt Ion: 128 Resp: 3092119
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.1 8.7 13.1

