

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091219\
 Data File : VN057942.D
 Acq On : 11 Sep 2019 22:23
 Operator : JC/SP
 Sample : K4835-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PZ-2

Quant Time: Sep 12 03:45:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	280034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	481651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	435615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	228180	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	310493	54.74	ug/l	0.00
Spiked Amount			Recovery	=	109.48%	
35) Dibromofluoromethane	7.58	113	212225	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
50) Toluene-d8	10.09	98	830699	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.41	95	283058	43.03	ug/l	0.00
Spiked Amount			Recovery	=	86.06%	

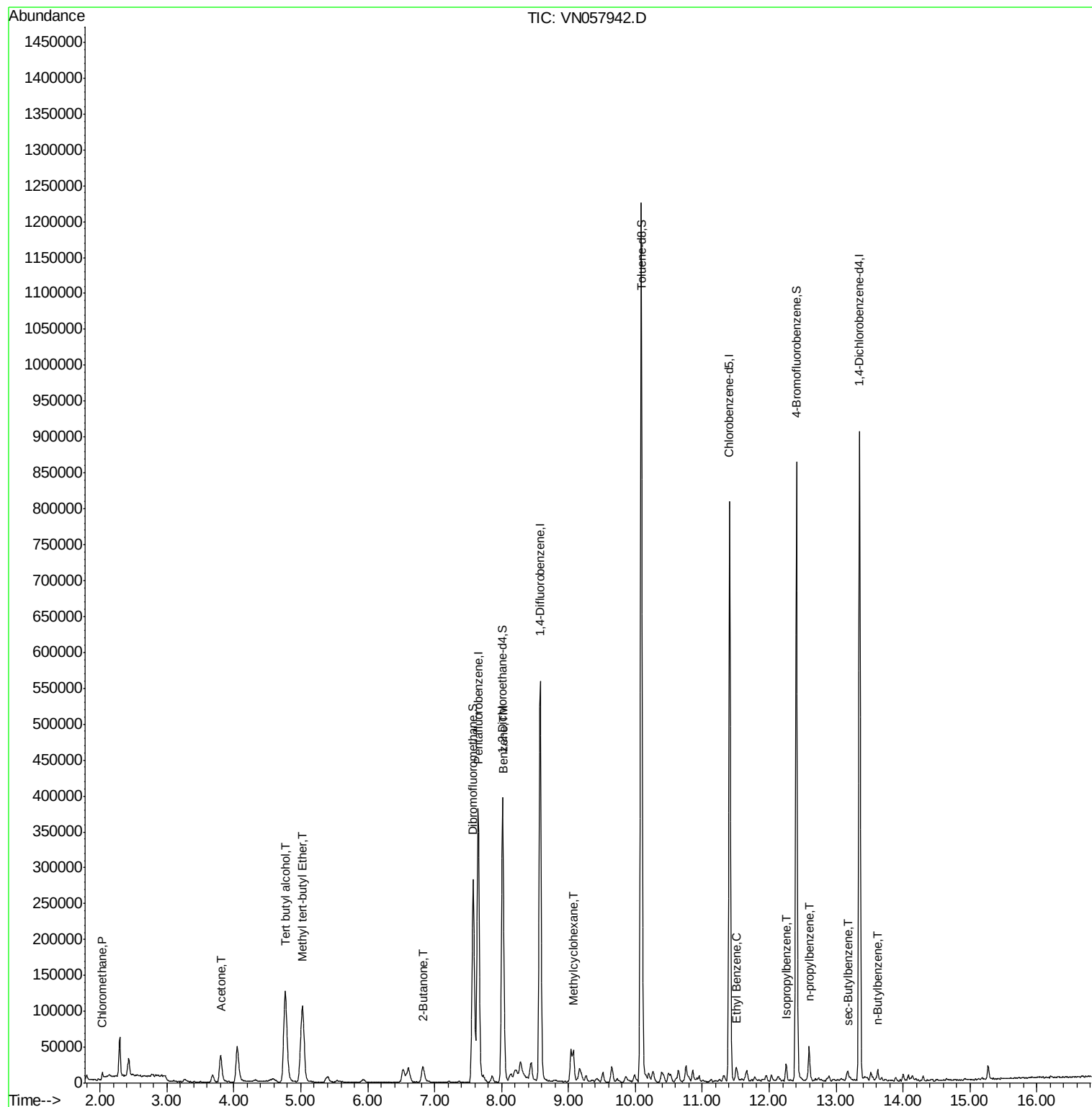
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	4899	1.241	ug/l #	88
11) Tert butyl alcohol	4.77	59	218952	318.950	ug/l	100
16) Acetone	3.80	43	63405	34.101	ug/l	95
19) Methyl tert-butyl Ether	5.02	73	170856	13.768	ug/l	97
25) 2-Butanone	6.82	43	36266	13.476	ug/l	94
39) Methylcyclohexane	9.08	83	17022	2.899	ug/l	92
40) Benzene	8.03	78	43522	2.588	ug/l	99
67) Ethyl Benzene	11.51	91	8974	0.449	ug/l #	89
73) Isopropylbenzene	12.25	105	14880	0.840	ug/l	95
78) n-propylbenzene	12.60	91	37738	1.856	ug/l	96
85) sec-Butylbenzene	13.18	105	8616	0.489	ug/l	89
89) n-Butylbenzene	13.62	91	10250	0.699	ug/l	92

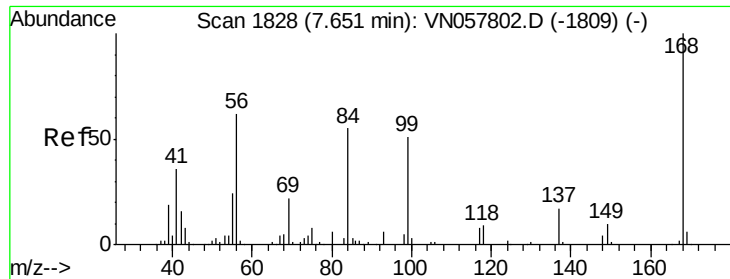
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091219\
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057942.D

Acq: 11 Sep 2019 22:23

Instrument :

MSVOA_N

ClientSampled :

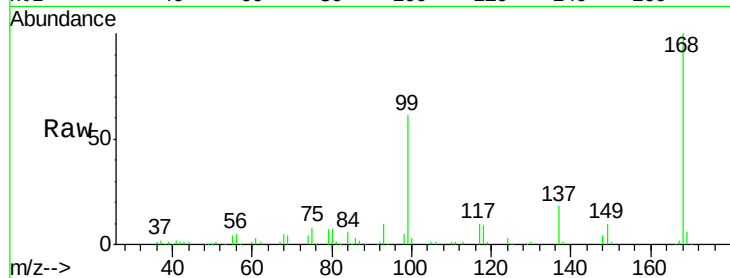
PZ-2

Tot Ion:168 Resp: 280034

Ion Ratio Lower Upper

168 100

99 60.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

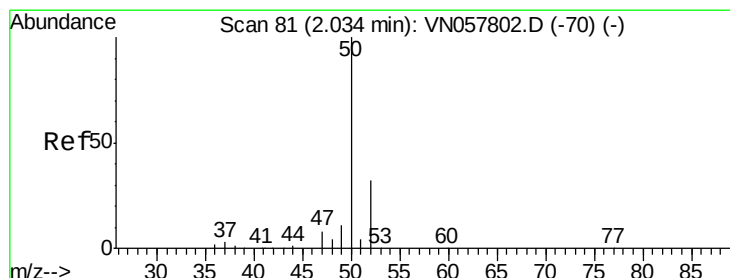
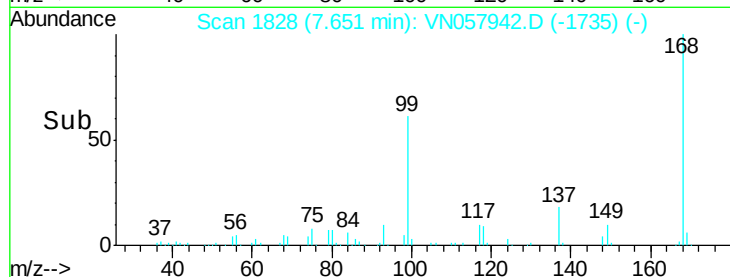
7.65

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.241 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057942.D

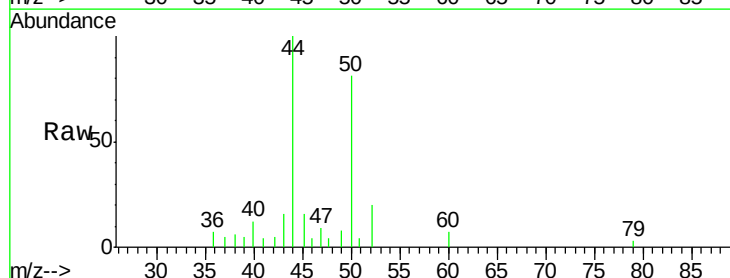
Acq: 11 Sep 2019 22:23

Tgt Ion: 50 Resp: 4899

Ion Ratio Lower Upper

50 100

52 25.1 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

4000

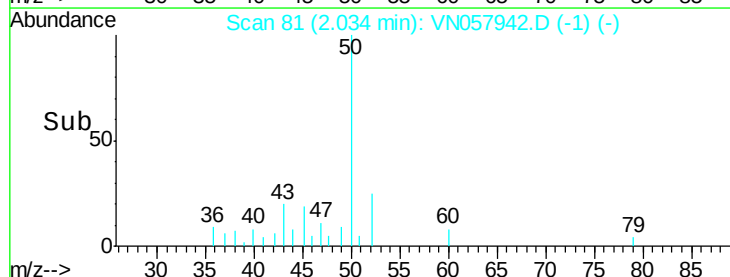
3000

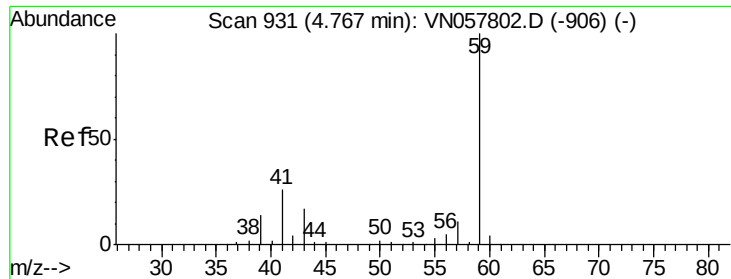
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1000

0

Time-->



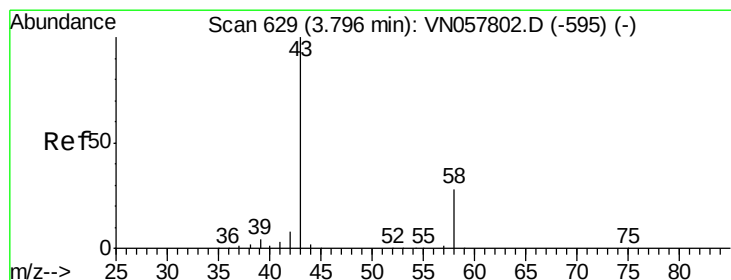
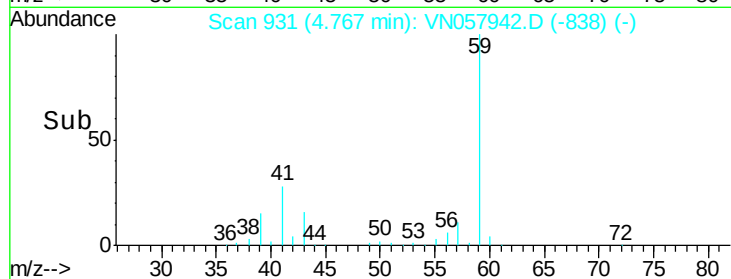
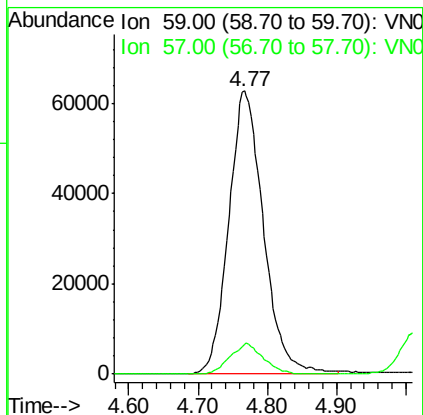
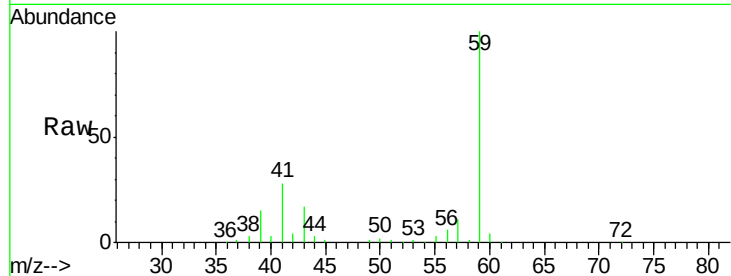


#11

Tert butyl alcohol
 Concen: 318.950 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057942.D
 Acq: 11 Sep 2019 22:23

Instrument :
 MSVOA_N
 ClientSampled :
 PZ-2

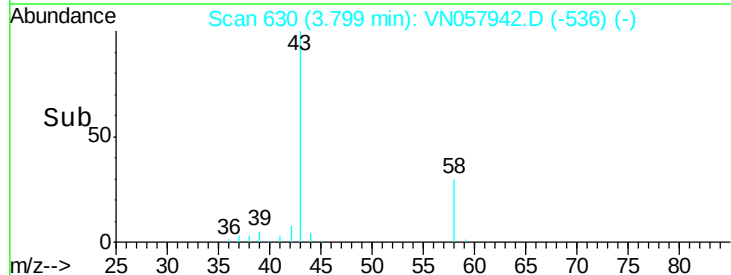
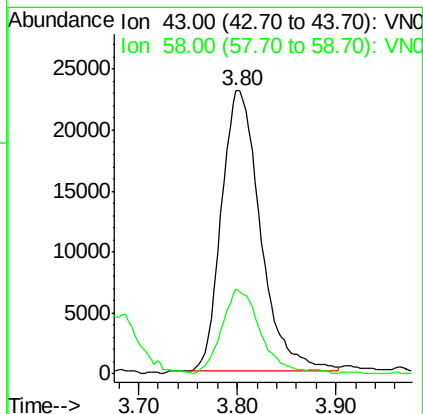
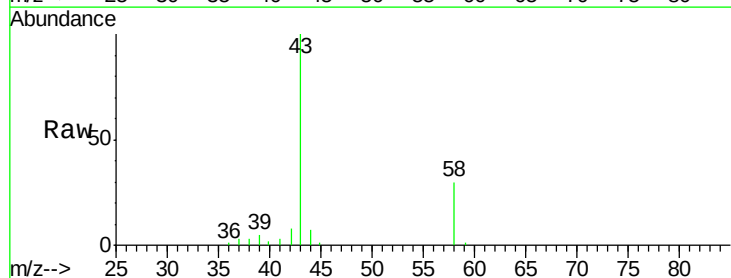
Tot Ion: 59 Resp: 218952
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

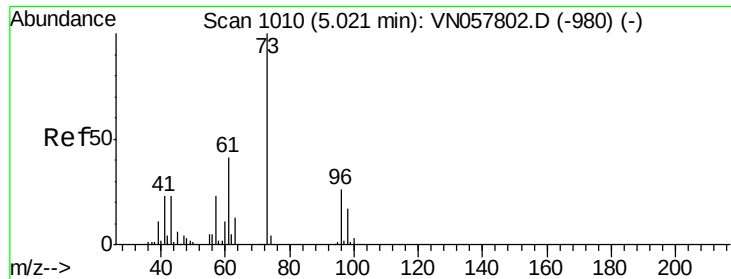


#16

Acetone
 Concen: 34.101 ug/l
 RT: 3.80 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VN057942.D
 Acq: 11 Sep 2019 22:23

Tgt Ion: 43 Resp: 63405
 Ion Ratio Lower Upper
 43 100
 58 30.1 22.2 33.2

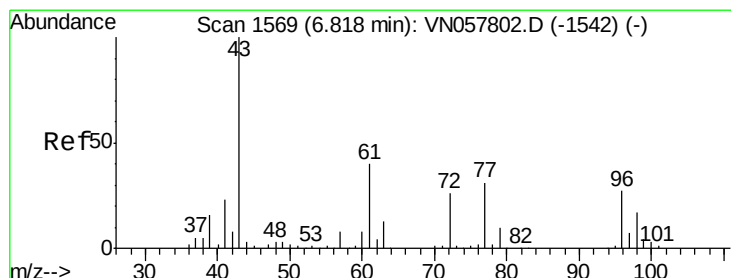
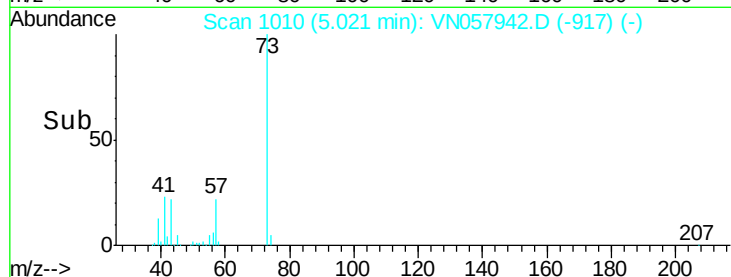
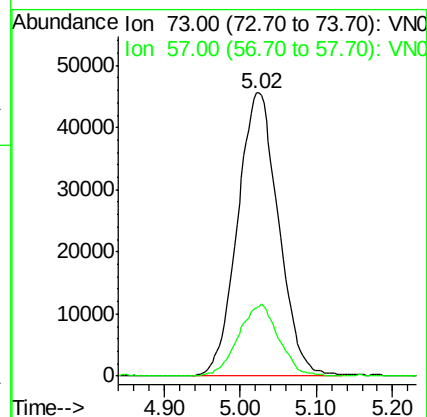
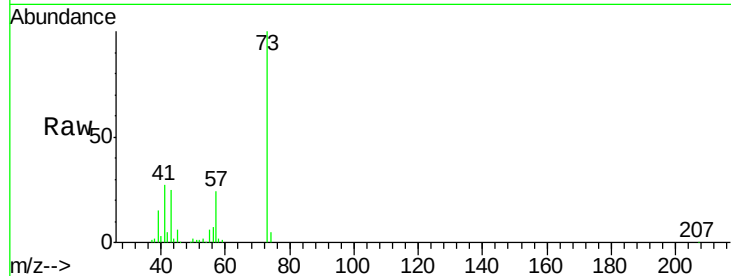




#19
Methvl tert-butyl Ether
Concen: 13.768 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057942.D
Acq: 11 Sep 2019 22:23

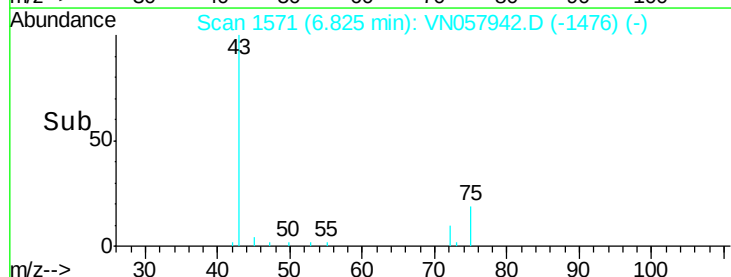
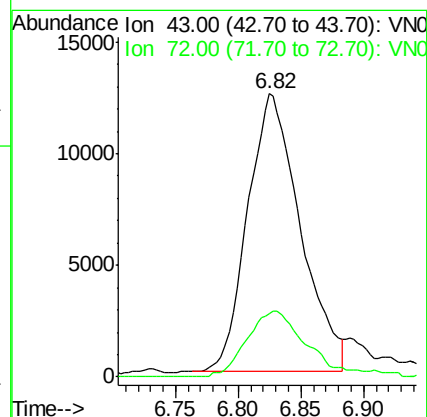
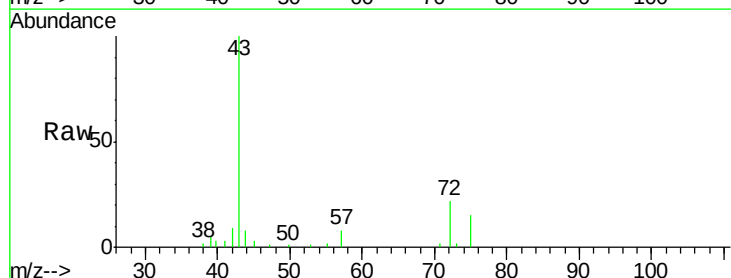
Instrument :
MSVOA_N
ClientSampled :
PZ-2

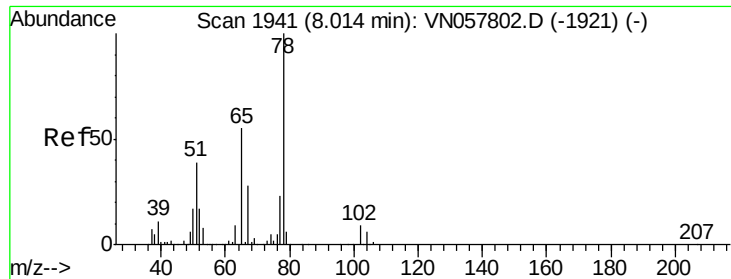
Tot Ion: 73 Resp: 170856
Ion Ratio Lower Upper
73 100
57 24.0 18.2 27.2



#25
2-Butanone
Concen: 13.476 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN057942.D
Acq: 11 Sep 2019 22:23

Tgt Ion: 43 Resp: 36266
Ion Ratio Lower Upper
43 100
72 22.6 20.6 30.8

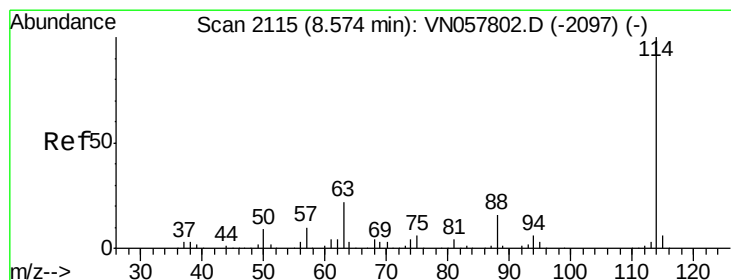
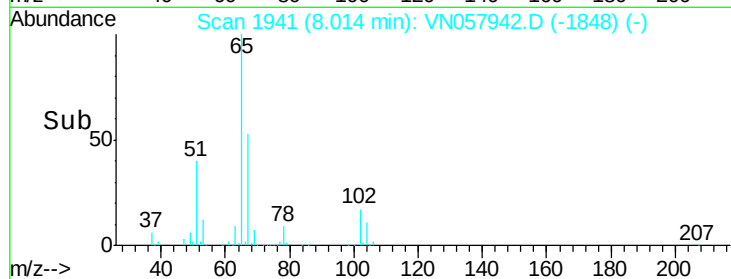
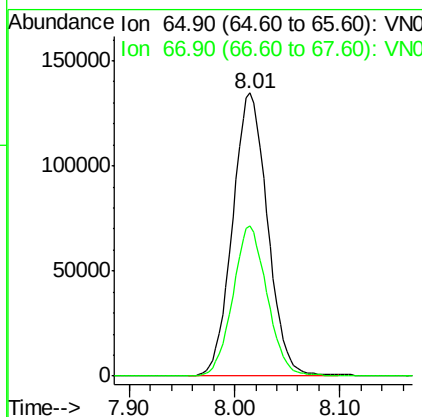
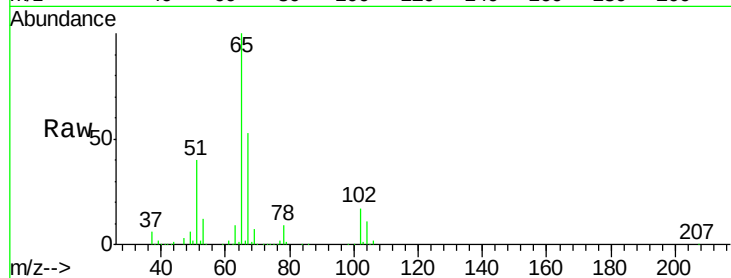




#33
 1,2-Dichloroethane-d4
 Concen: 54.743 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057942.D
 Acq: 11 Sep 2019 22:23

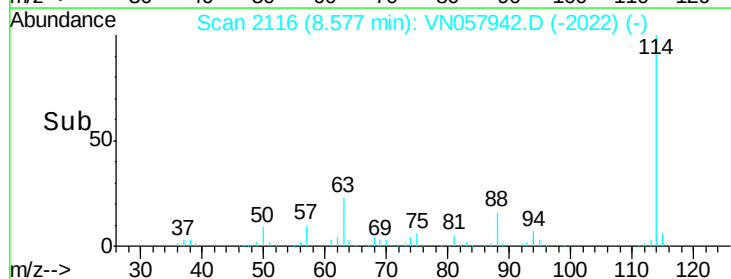
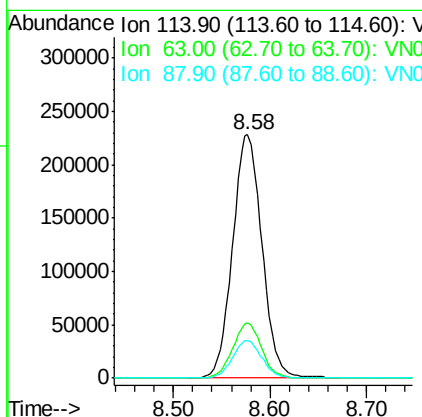
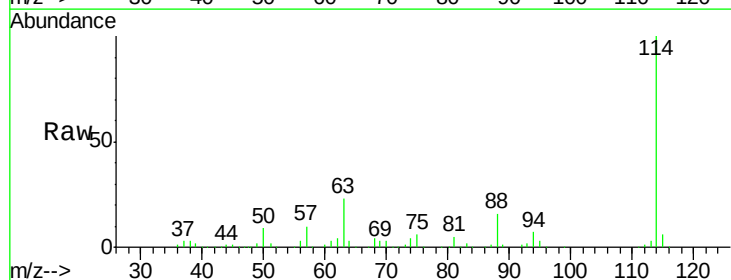
Instrument :
 MSVOA_N
 ClientSampled :
 PZ-2

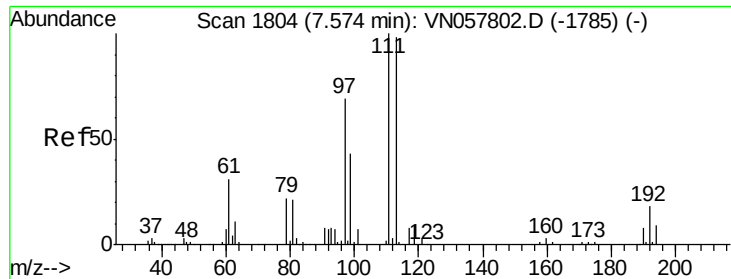
Tot Ion: 65 Resp: 310493
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057942.D
 Acq: 11 Sep 2019 22:23

Tgt Ion: 114 Resp: 481651
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.0
 88 15.6 0.0 31.4

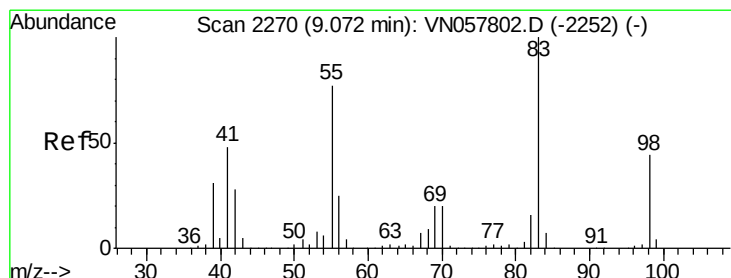
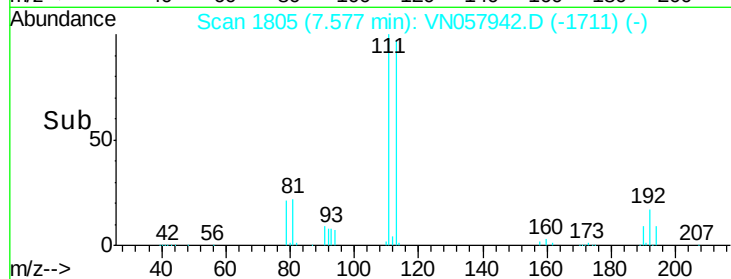
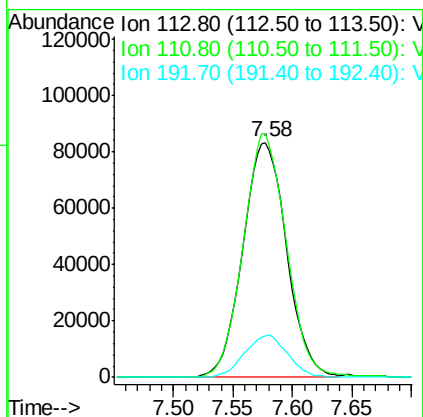
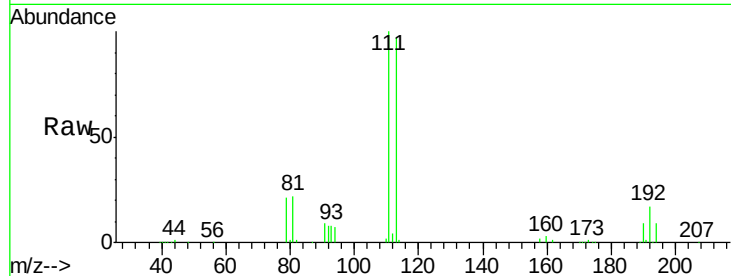




#35
 Dibromofluoromethane
 Concen: 47.740 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057942.D
 Acq: 11 Sep 2019 22:23

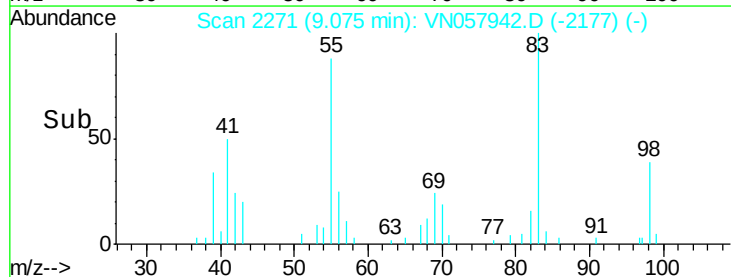
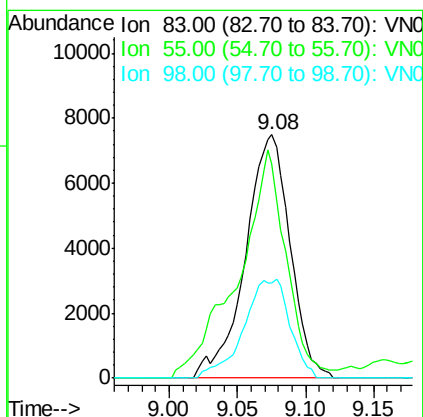
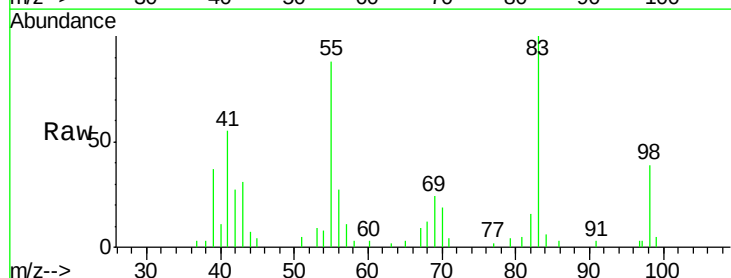
Instrument :
 MSVOA_N
 ClientSampled :
 PZ-2

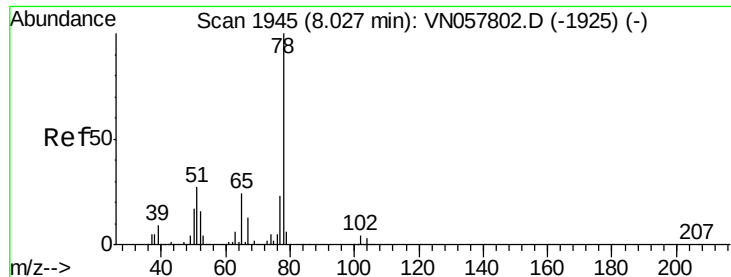
Tot Ion:113 Resp: 212225
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.3 121.9
 192 17.7 14.6 22.0



#39
 Methylcyclohexane
 Concen: 2.899 ug/l
 RT: 9.08 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VN057942.D
 Acq: 11 Sep 2019 22:23

Tgt Ion: 83 Resp: 17022
 Ion Ratio Lower Upper
 83 100
 55 84.5 61.6 92.4
 98 39.3 34.9 52.3





#40

Benzene

Concen: 2.588 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057942.D

Acq: 11 Sep 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

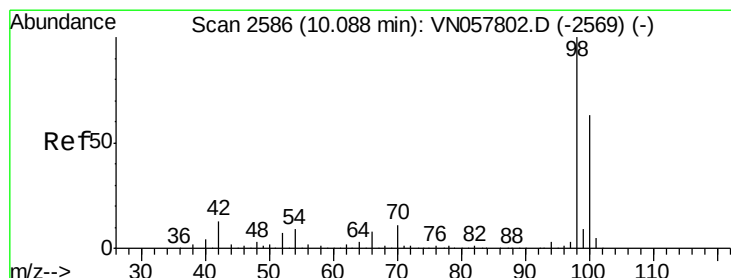
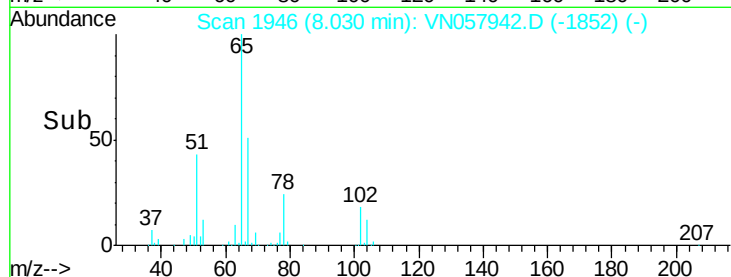
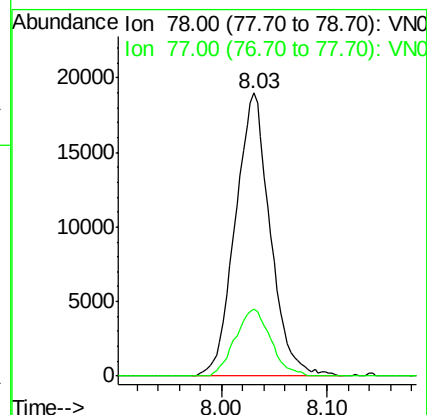
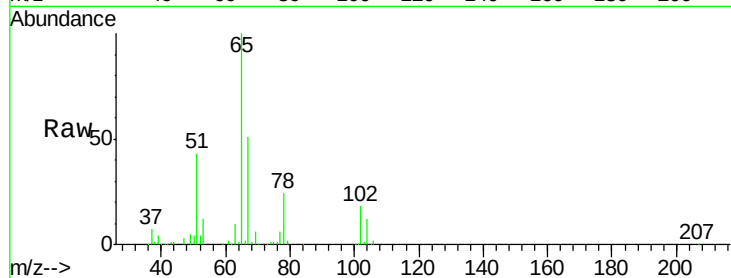
PZ-2

Tot Ion: 78 Resp: 43522

Ion Ratio Lower Upper

78 100

77 23.6 18.3 27.5



#50

Toluene-d8

Concen: 48.130 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057942.D

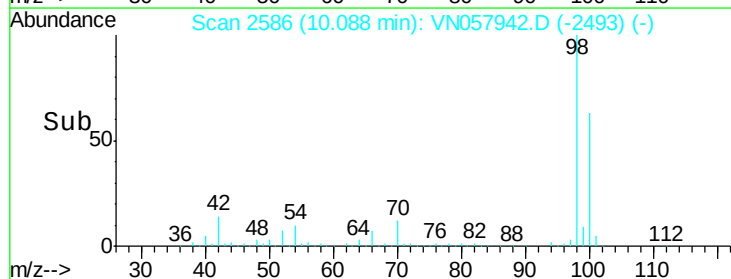
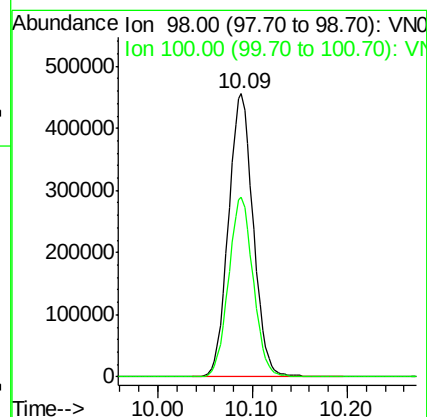
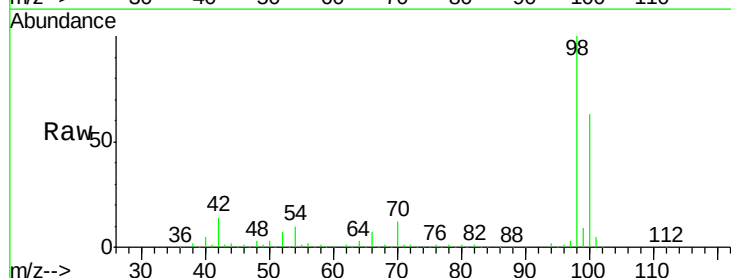
Acq: 11 Sep 2019 22:23

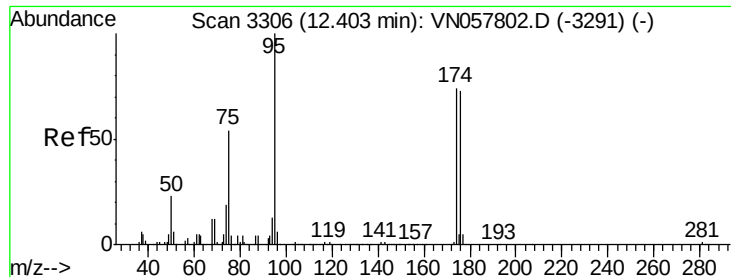
Tgt Ion: 98 Resp: 830699

Ion Ratio Lower Upper

98 100

100 63.2 50.3 75.5





#62

4-Bromofluorobenzene

Concen: 43.035 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057942.D

Acq: 11 Sep 2019 22:23

Instrument :

MSVOA_N

ClientSampled :

PZ-2

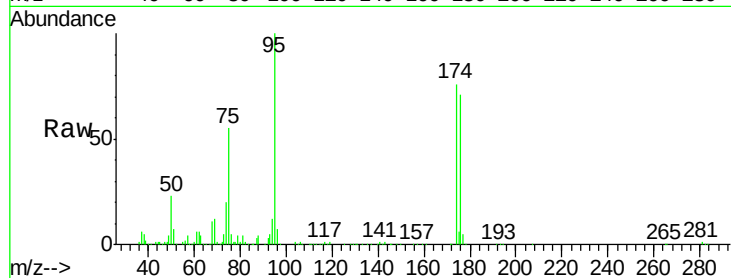
Tot Ion: 95 Resp: 283058

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.2

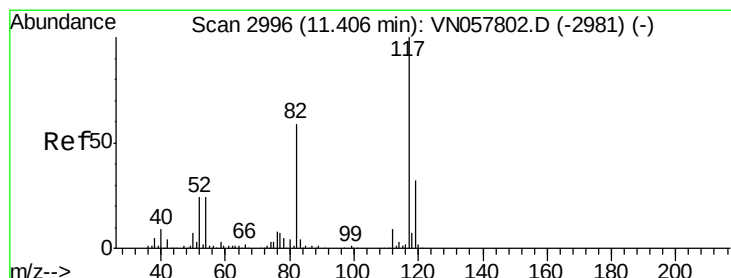
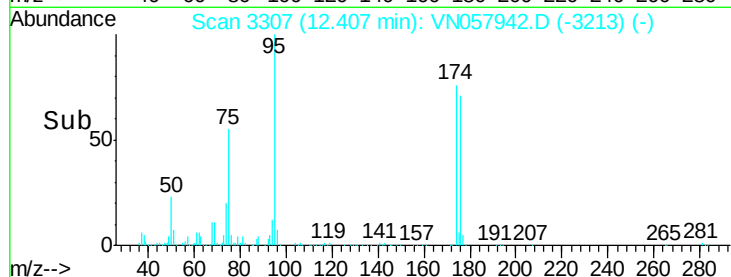
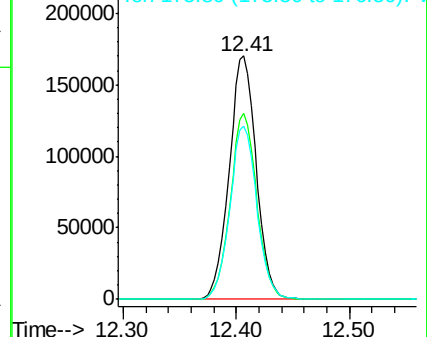
176 71.3 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057942.D

Acq: 11 Sep 2019 22:23

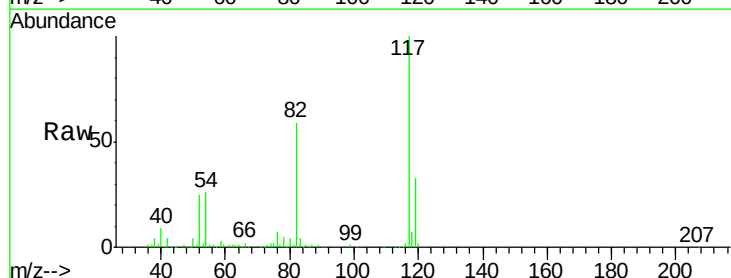
Tgt Ion: 117 Resp: 435615

Ion Ratio Lower Upper

117 100

82 59.1 47.2 70.8

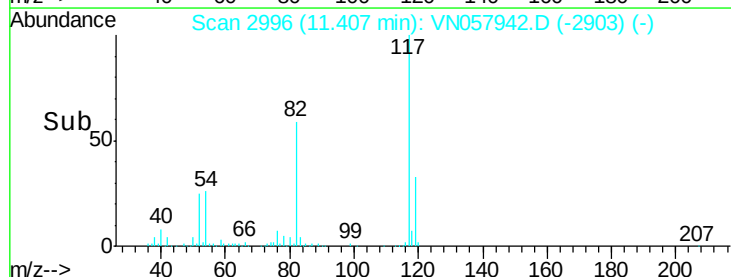
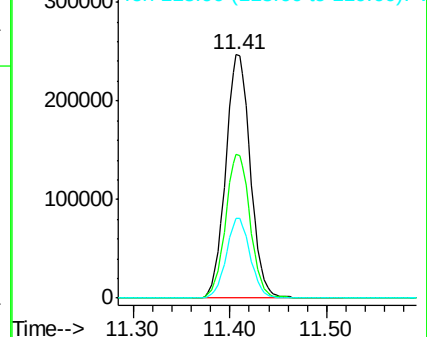
119 32.6 25.3 37.9

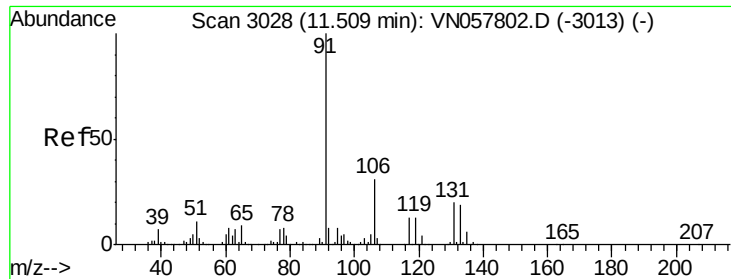


Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)

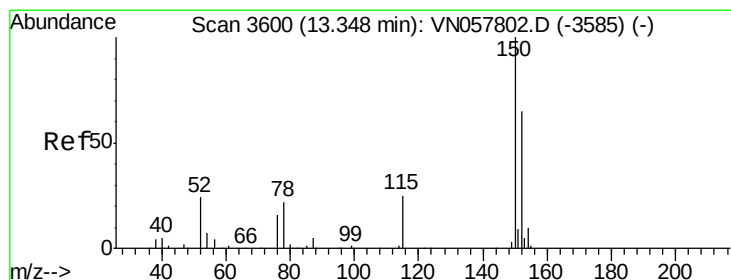
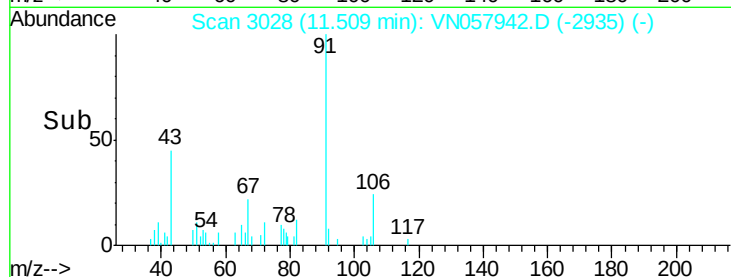
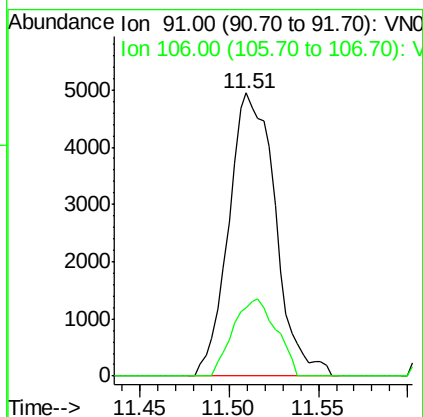
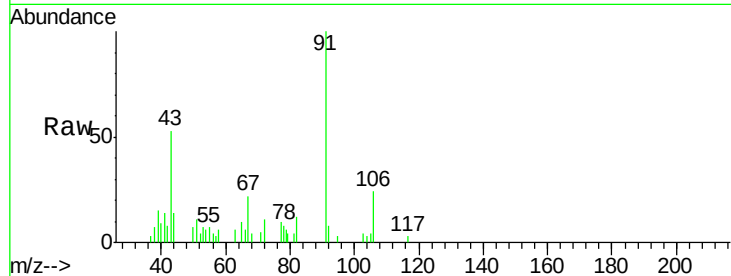




#67
Ethyl Benzene
Concen: 0.449 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057942.D
Acq: 11 Sep 2019 22:23

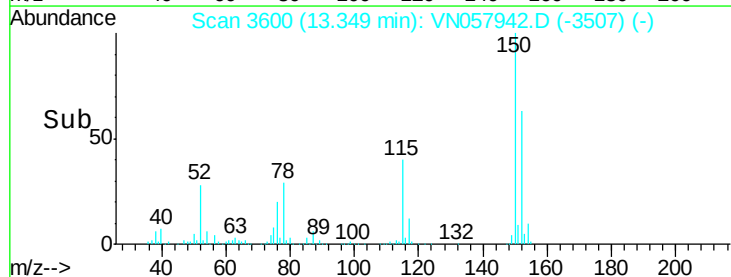
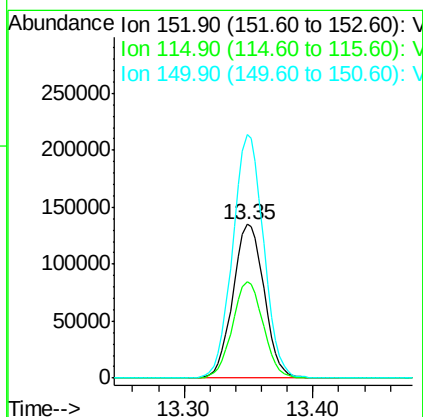
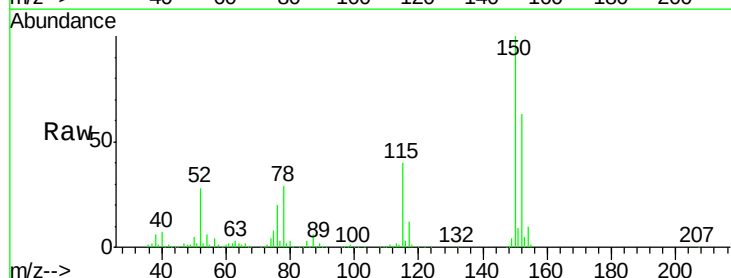
Instrument :
MSVOA_N
ClientSampled :
PZ-2

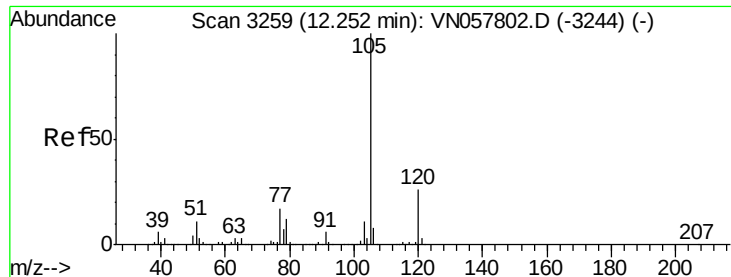
Tot Ion: 91 Resp: 8974
Ion Ratio Lower Upper
91 100
106 24.3 24.4 36.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057942.D
Acq: 11 Sep 2019 22:23

Tgt Ion: 152 Resp: 228180
Ion Ratio Lower Upper
152 100
115 61.6 30.3 91.0
150 156.0 0.0 352.4





#73

Isopropylbenzene

Concen: 0.840 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057942.D

Acq: 11 Sep 2019 22:23

Instrument :

MSVOA_N

ClientSampled :

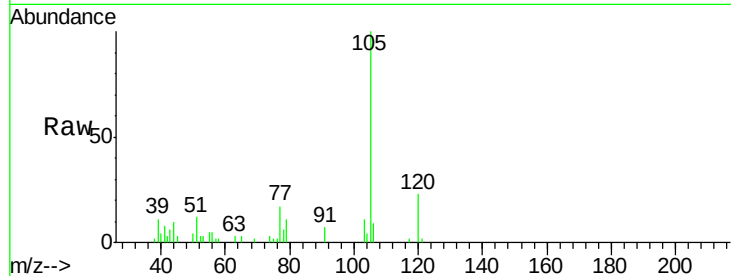
PZ-2

Tot Ion:105 Resp: 14880

Ion Ratio Lower Upper

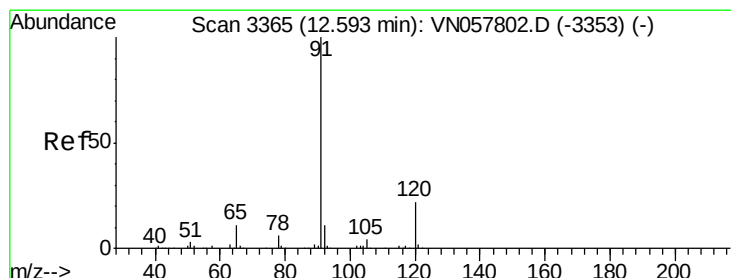
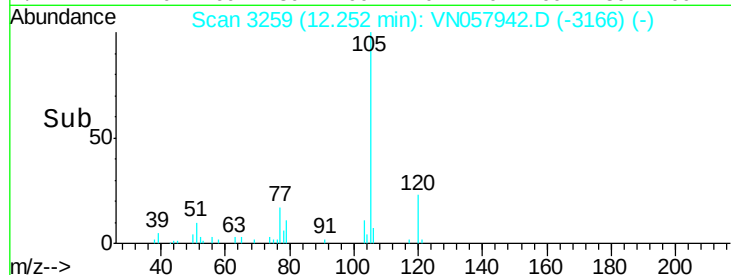
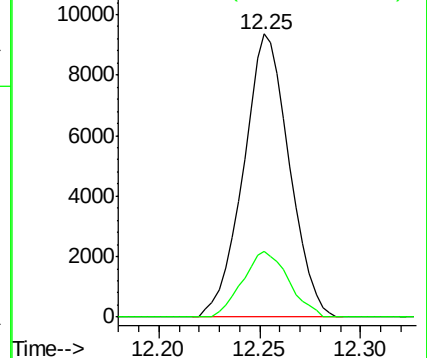
105 100

120 23.2 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.856 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057942.D

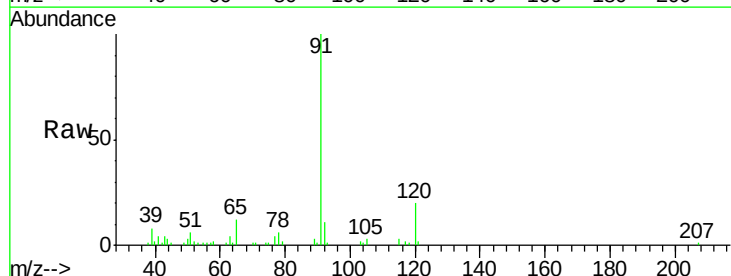
Acq: 11 Sep 2019 22:23

Tgt Ion: 91 Resp: 37738

Ion Ratio Lower Upper

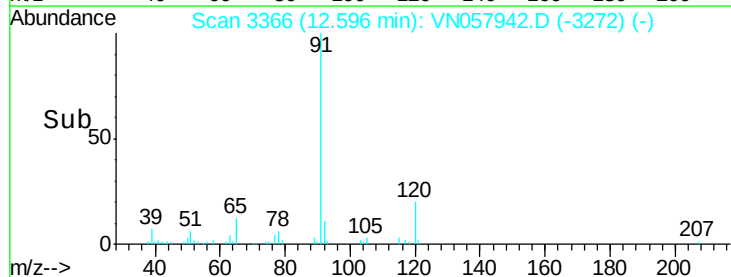
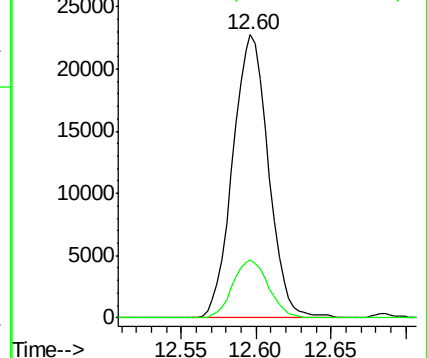
91 100

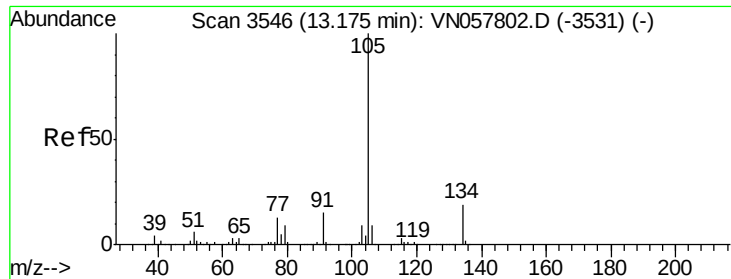
120 20.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.489 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057942.D

Acq: 11 Sep 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

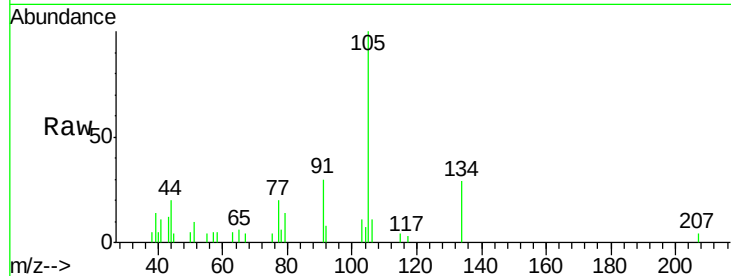
PZ-2

Tot Ion:105 Resp: 8616

Ion Ratio Lower Upper

105 100

134 14.3 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

4000

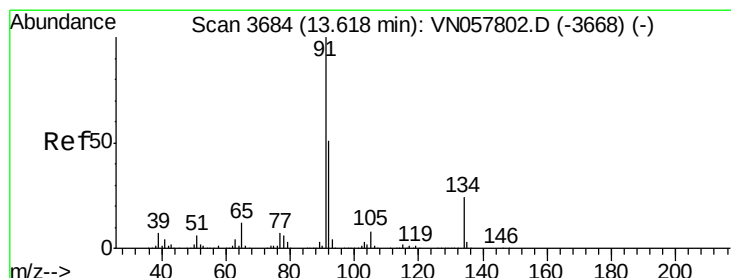
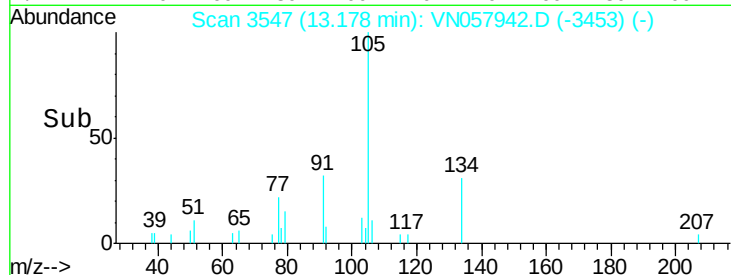
3000

2000

1000

0

Time--> 13.10 13.15 13.20



#89

n-Butylbenzene

Concen: 0.699 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN057942.D

Acq: 11 Sep 2019 22:23

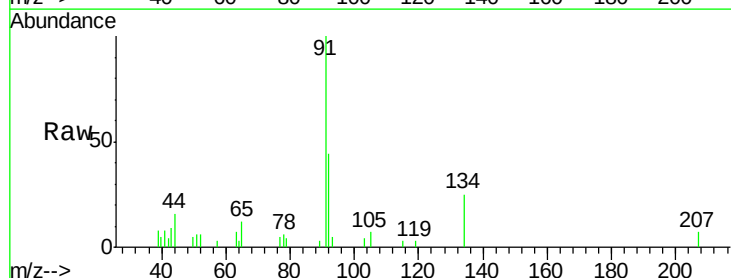
Tgt Ion: 91 Resp: 10250

Ion Ratio Lower Upper

91 100

92 44.6 25.7 77.0

134 25.3 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

8000

6000

4000

2000

0

Time--> 13.55 13.60 13.65

