

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058331.D
 Acq On : 24 Sep 2019 6:40
 Operator : JC/SP
 Sample : K5008-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 24 08:40:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	545768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	877405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	769905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	338313	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	380423	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
35) Dibromofluoromethane	7.57	113	269598	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	10.08	98	1146888	55.19	ug/l	0.00
Spiked Amount			Recovery	=	110.38%	
62) 4-Bromofluorobenzene	12.41	95	391774	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1530	Below Cal		99
4) Vinyl Chloride	2.17	62	69	Below Cal		93
5) Bromomethane	2.55	94	570	1.003	ug/l	98
6) Chloroethane	2.69	64	497	Below Cal	#	44
11) Tert butyl alcohol	4.75	59	393	0.435	ug/l #	71
13) Acrolein	3.78	56	5885	43.917	ug/l #	59
14) Allyl chloride	4.51	41	73682	10.206	ug/l #	66
15) Acrylonitrile	5.03	53	10112	4.197	ug/l #	44
16) Acetone	3.79	43	34192	13.251	ug/l #	80
17) Carbon Disulfide	4.04	76	3507	1.011	ug/l #	74
18) Methyl Acetate	4.51	43	164156	24.178	ug/l #	53
19) Methyl tert-butyl Ether	5.01	73	9690	0.582	ug/l #	1
25) 2-Butanone	6.81	43	6563	1.867	ug/l #	65
30) Chloroform	7.31	83	20201	1.917	ug/l #	18
31) Cyclohexane	7.64	56	411910	65.869	ug/l	97
36) 1,1-Dichloropropene	7.65	75	46290	7.316	ug/l #	57
38) Carbon Tetrachloride	7.65	117	56460	8.877	ug/l #	15
39) Methylcyclohexane	9.07	83	275627	45.061	ug/l	92
40) Benzene	8.03	78	24071	1.246	ug/l	97
41) Methacrylonitrile	7.16	41	1884	1.470	ug/l #	100
43) Isopropyl Acetate	8.13	43	39289	3.204	ug/l #	57
47) Bromodichloromethane	9.36	83	26308	3.579	ug/l #	35
48) Methyl methacrylate	9.14	41	19108	3.432	ug/l #	43
51) 4-Methyl-2-Pentanone	9.96	43	1553	0.238	ug/l #	57
52) Toluene	10.15	92	27888	2.303	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	97499	18.140	ug/l #	19
56) Ethyl methacrylate	10.43	69	45056	5.810	ug/l #	6
59) 2-Hexanone	10.72	43	13024	2.692	ug/l #	27
67) Ethyl Benzene	11.51	91	28749	1.239	ug/l	91
68) m/p-Xylenes	11.63	106	12411	1.420	ug/l	98
69) o-Xylene	11.95	106	4607	0.536	ug/l	96
71) Bromoform	12.40	173	631	3.756	ug/l #	29
73) Isopropylbenzene	12.25	105	1465175	69.190	ug/l	100
74) N-amyl acetate	12.09	43	2071	0.234	ug/l #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058331.D
 Acq On : 24 Sep 2019 6:40
 Operator : JC/SP
 Sample : K5008-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 24 08:40:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

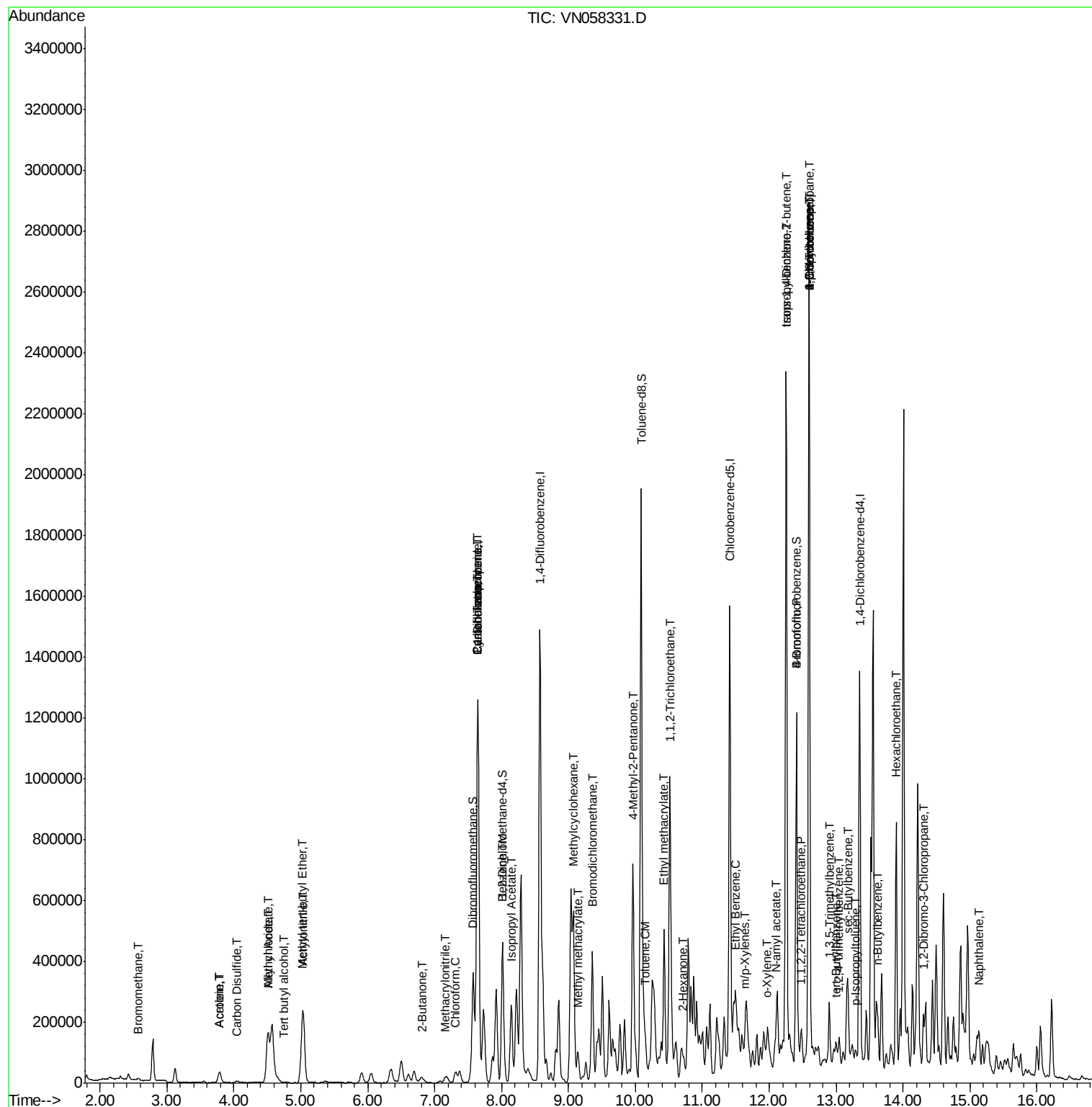
75) 1,1,2,2-Tetrachloroethane	12.48	83	3310	0.467	ug/l #	36
76) 1,2,3-Trichloropropane	12.60	75	16095	2.658	ug/l #	100
78) n-propylbenzene	12.60	91	2237664	92.989	ug/l	99
79) 2-Chlorotoluene	12.60	91	2237664	148.791	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.90	105	146879	8.202	ug/l	75
81) trans-1,4-Dichloro-2-buten	12.25	75	19332	14.184	ug/l #	66
82) 4-Chlorotoluene	12.60	91	2237664	141.548	ug/l #	43
83) tert-Butylbenzene	13.00	119	38398	2.405	ug/l	92
84) 1,2,4-Trimethylbenzene	13.05	105	43907	2.464	ug/l	98
85) sec-Butylbenzene	13.18	105	155227	7.433	ug/l #	53
86) p-Isopropyltoluene	13.30	119	15075	0.812	ug/l	92
89) n-Butylbenzene	13.62	91	97099	5.517	ug/l #	78
90) Hexachloroethane	13.90	117	41677	14.902	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.30	75	601	0.471	ug/l #	15
95) Naphthalene	15.14	128	96687	5.983	ug/l #	95

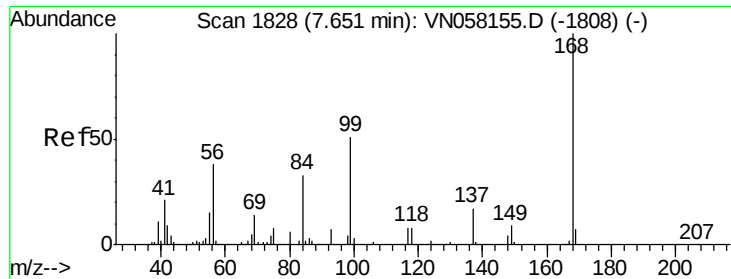
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
Data File : VN058331.D
Acq On : 24 Sep 2019 6:40
Operator : JC/SP
Sample : K5008-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 61 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 24 08:40:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 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: VN058331.D

Acq: 24 Sep 2019 6:40

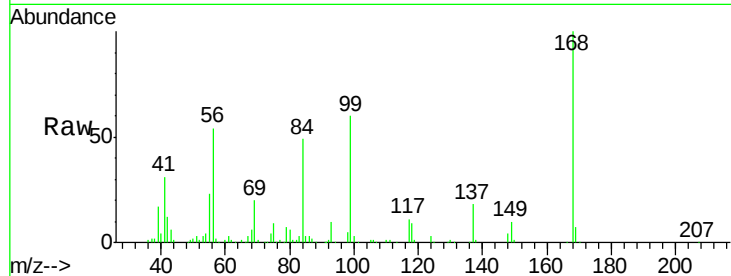
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 545768

Ion Ratio Lower Upper

168 100

99 59.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

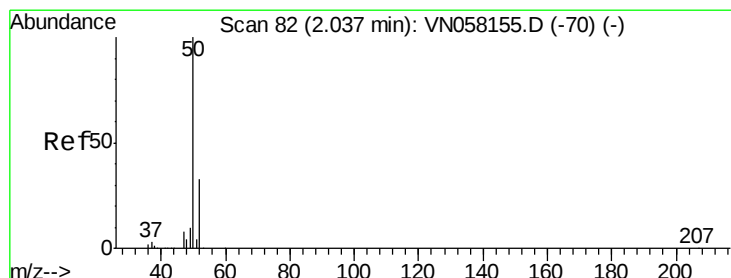
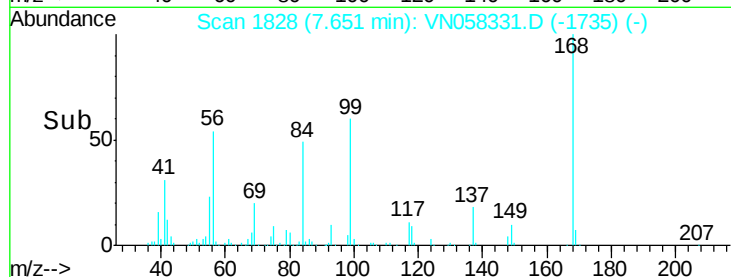
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.01 min

Lab File: VN058331.D

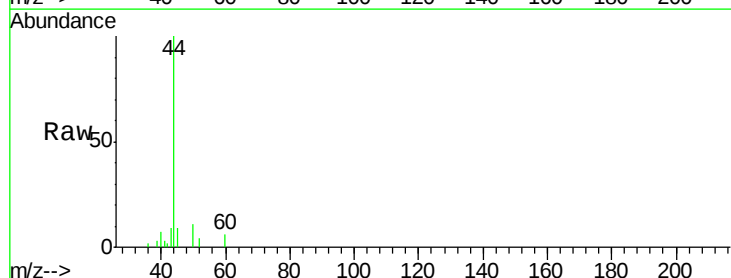
Acq: 24 Sep 2019 6:40

Tgt Ion: 50 Resp: 1530

Ion Ratio Lower Upper

50 100

52 33.7 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

1000

800

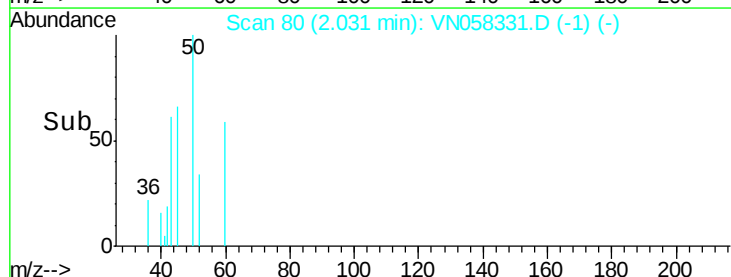
600

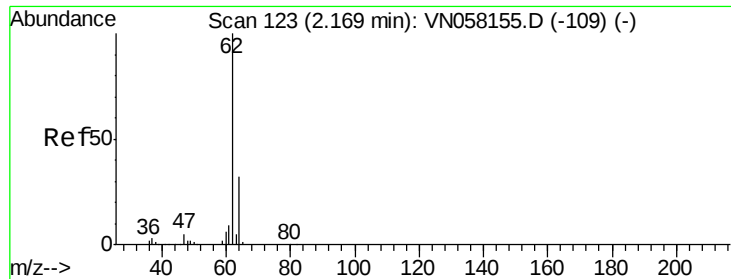
400

200

0

Time--> 2.00 2.05





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

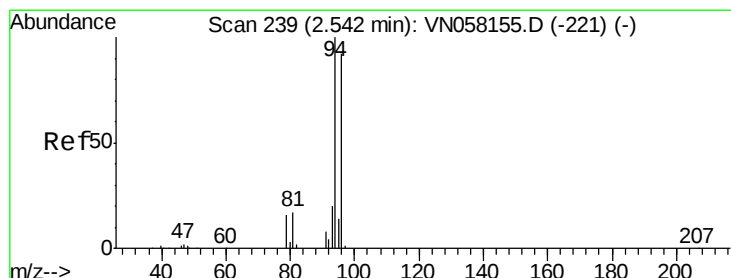
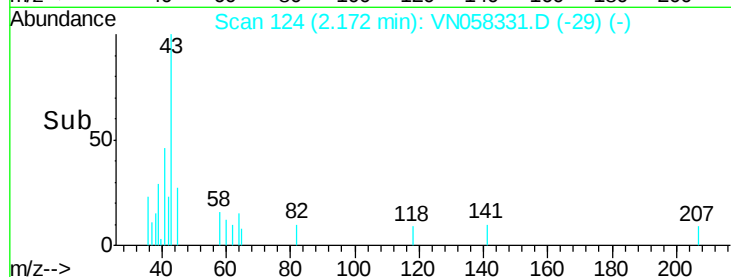
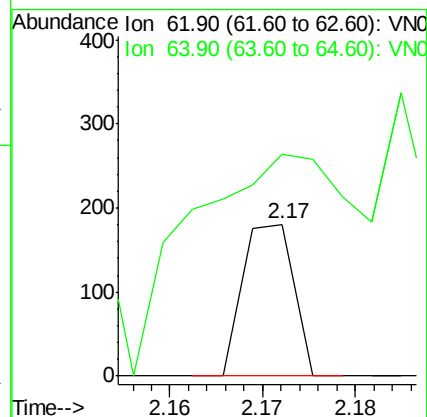
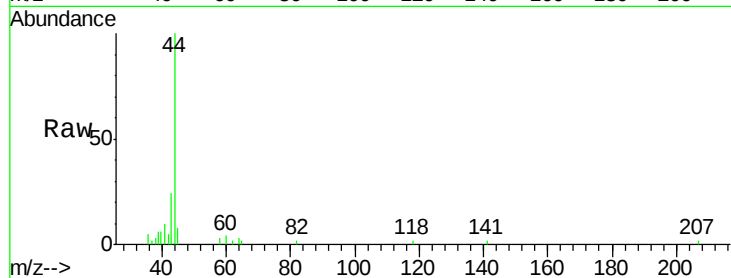
ClientSampled :

Tot Ion: 62 Resp: 69

Ion Ratio Lower Upper

62 100

64 35.9 25.4 38.2



#5

Bromomethane

Concen: 1.003 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058331.D

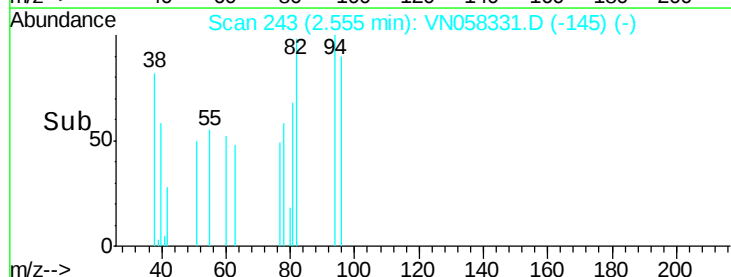
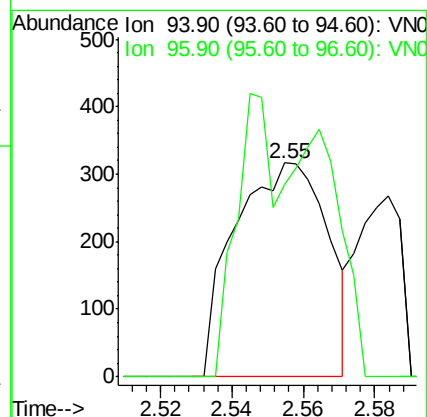
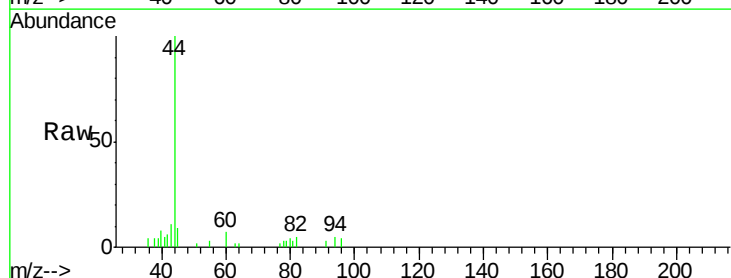
Acq: 24 Sep 2019 6:40

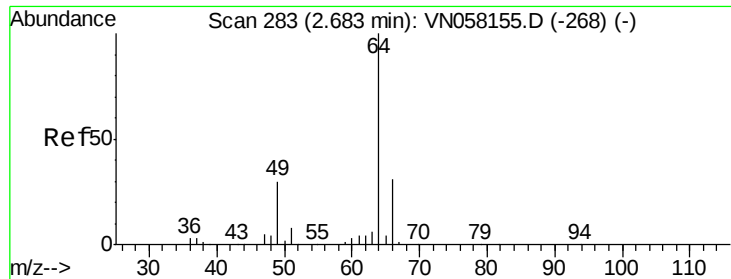
Tgt Ion: 94 Resp: 570

Ion Ratio Lower Upper

94 100

96 89.6 73.3 109.9





#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

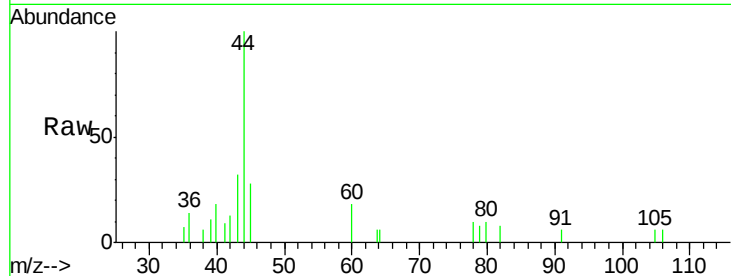
ClientSampled :

Tot Ion: 64 Resp: 497

Ion Ratio Lower Upper

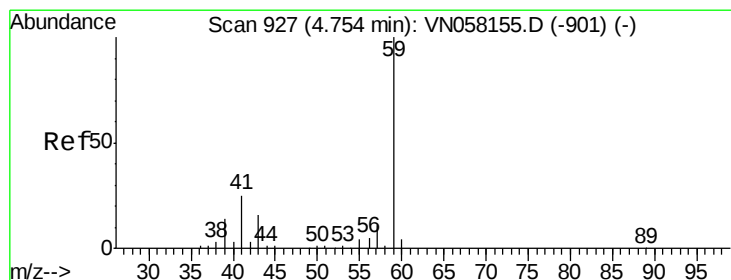
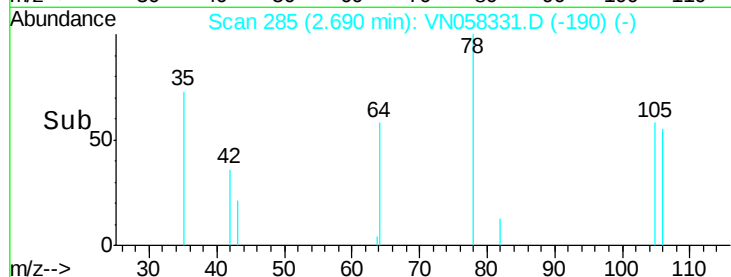
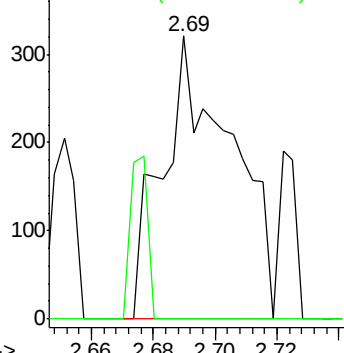
64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



#11

Tert butyl alcohol

Concen: 0.435 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.00 min

Lab File: VN058331.D

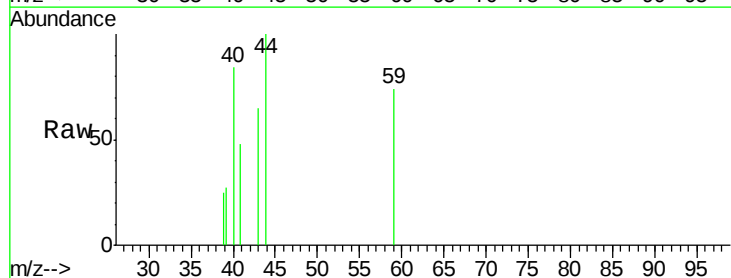
Acq: 24 Sep 2019 6:40

Tgt Ion: 59 Resp: 393

Ion Ratio Lower Upper

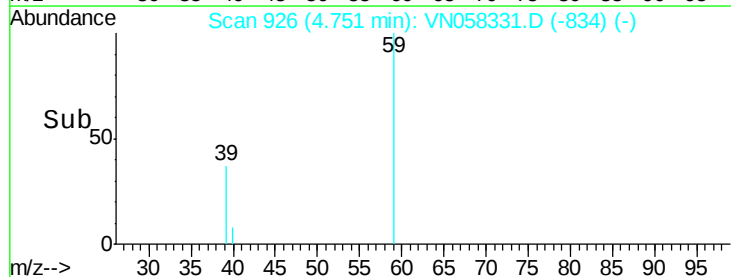
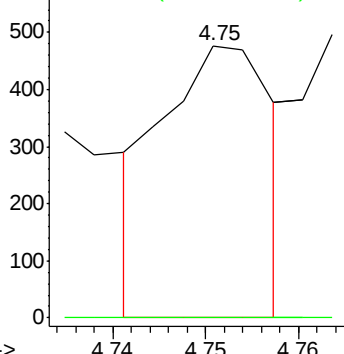
59 100

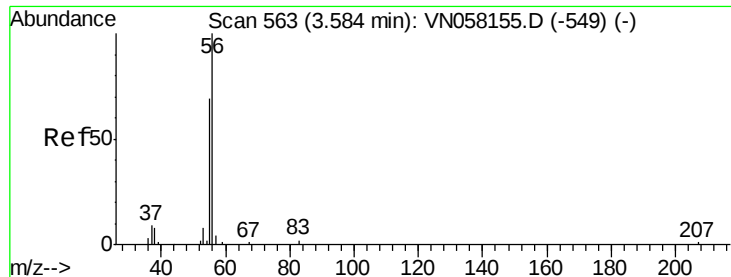
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 43.917 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.20 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

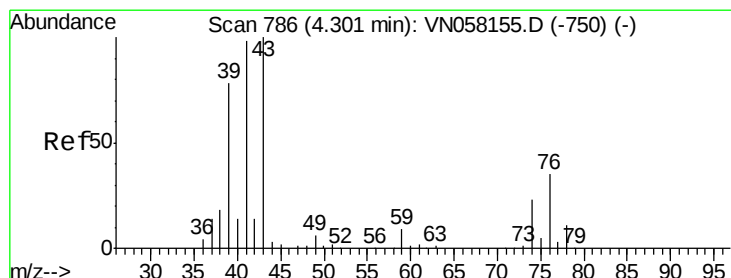
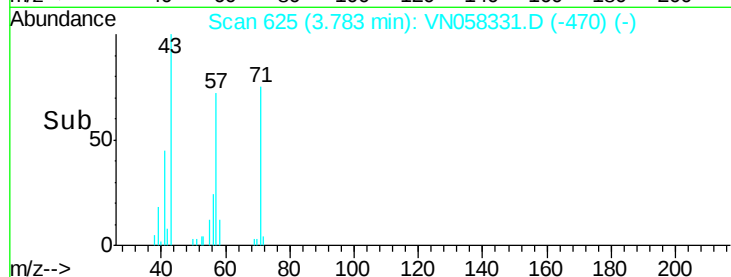
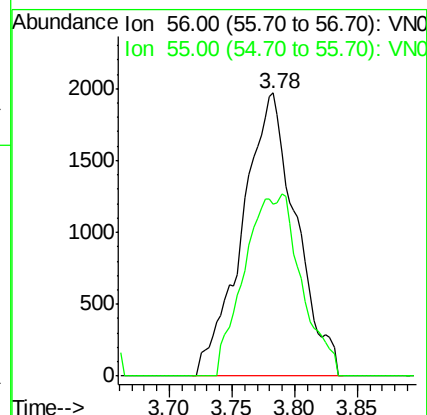
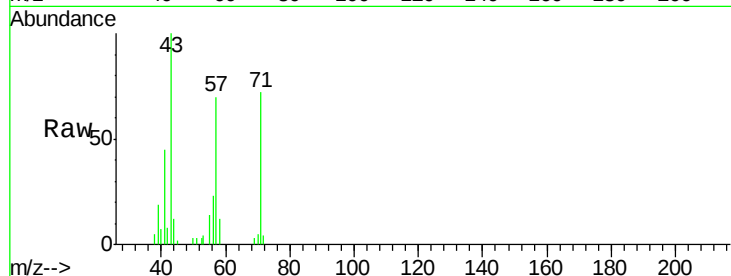
ClientSampleId :

Tot Ion: 56 Resp: 5885

Ion Ratio Lower Upper

56 100

55 36.3 56.1 84.1#



#14

Allyl chloride

Concen: 10.206 ug/l

RT: 4.51 min Scan# 851

Delta R.T. 0.21 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

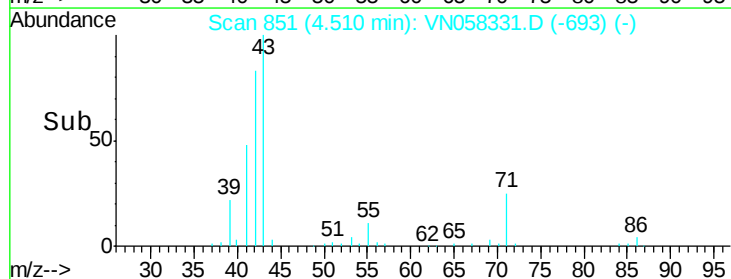
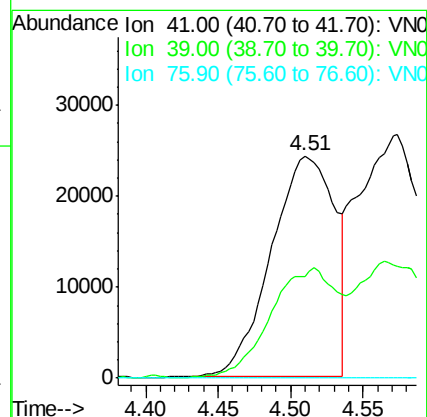
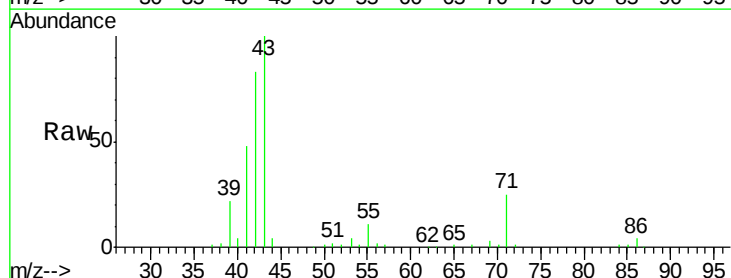
Tgt Ion: 41 Resp: 73682

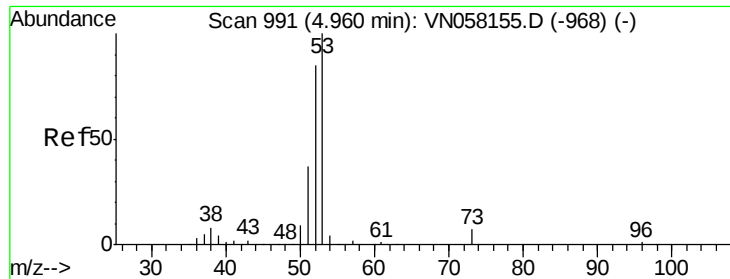
Ion Ratio Lower Upper

41 100

39 53.7 59.1 88.7#

76 0.0 25.1 37.7#





#15

Acrylonitrile

Concen: 4.197 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. 0.07 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

ClientSampleId :

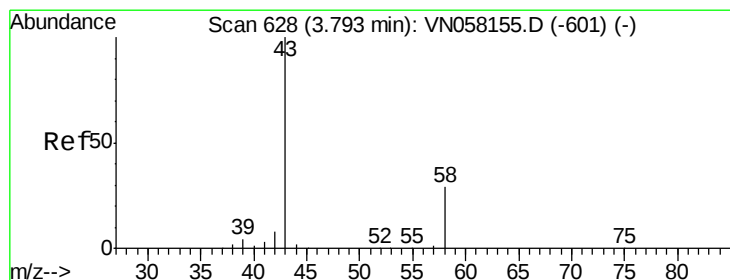
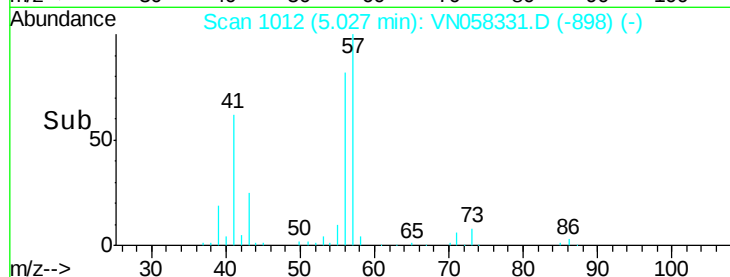
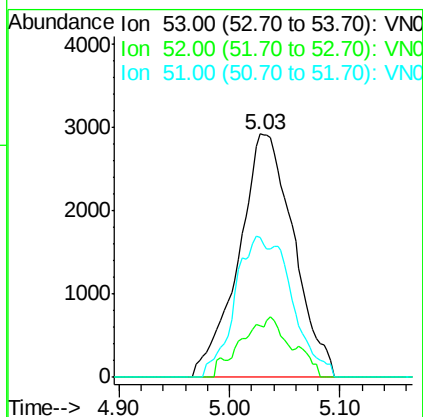
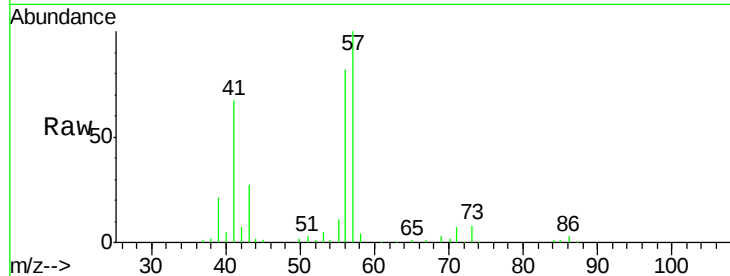
Tot Ion: 53 Resp: 10112

Ion Ratio Lower Upper

53 100

52 13.2 66.6 100.0#

51 33.4 29.7 44.5



#16

Acetone

Concen: 13.251 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058331.D

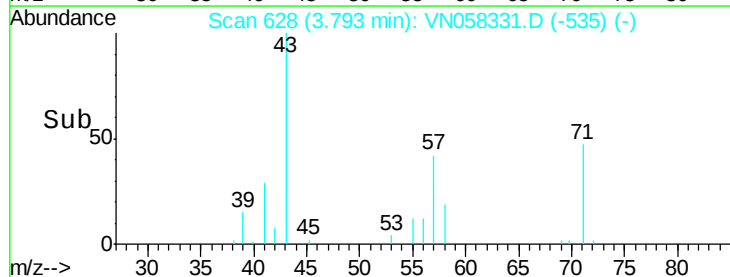
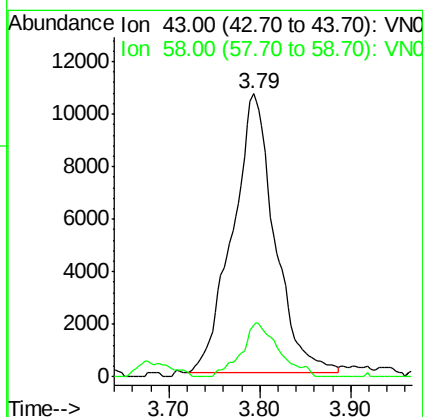
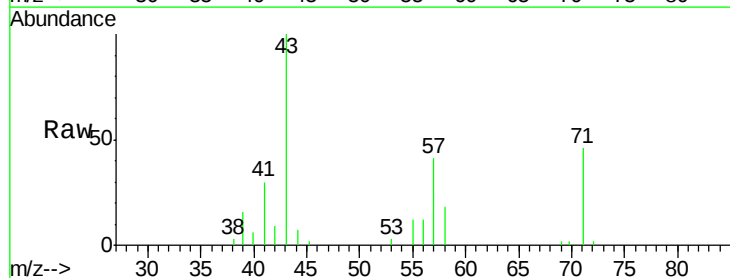
Acq: 24 Sep 2019 6:40

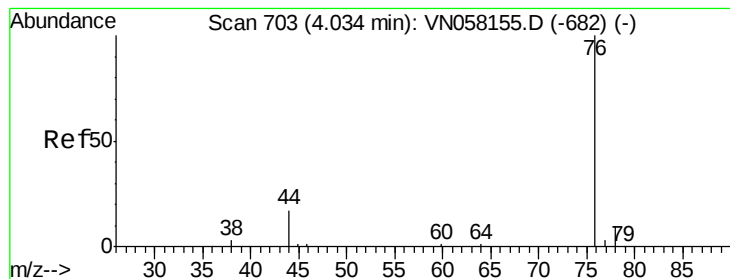
Tgt Ion: 43 Resp: 34192

Ion Ratio Lower Upper

43 100

58 18.7 23.4 35.2#





#17

Carbon Disulfide

Concen: 1.011 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

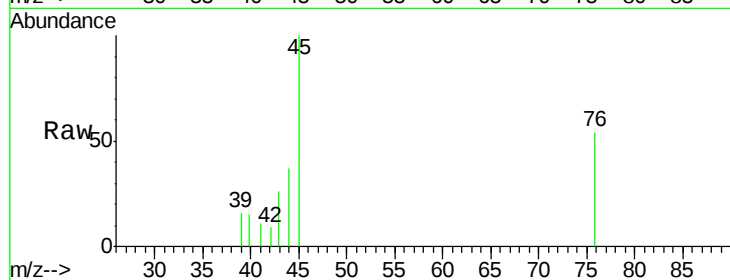
ClientSampled :

Tot Ion: 76 Resp: 3507

Ion Ratio Lower Upper

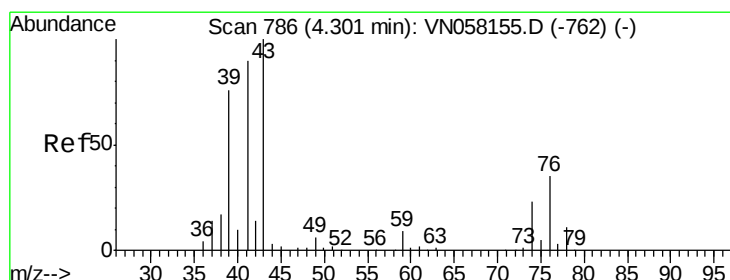
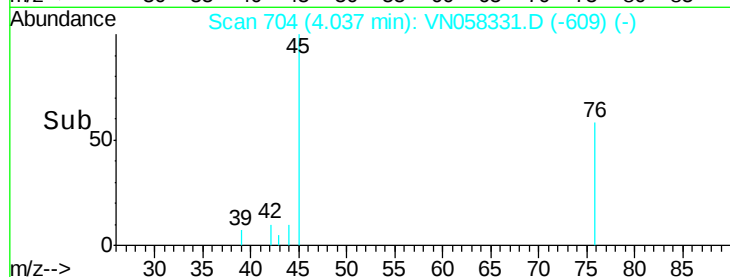
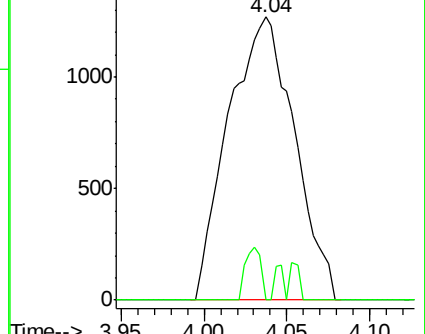
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 24.178 ug/l

RT: 4.51 min Scan# 852

Delta R.T. 0.21 min

Lab File: VN058331.D

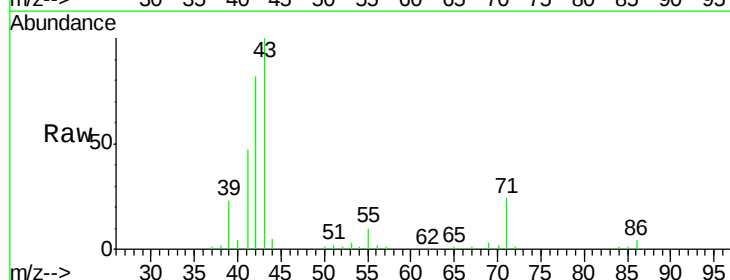
Acq: 24 Sep 2019 6:40

Tgt Ion: 43 Resp: 164156

Ion Ratio Lower Upper

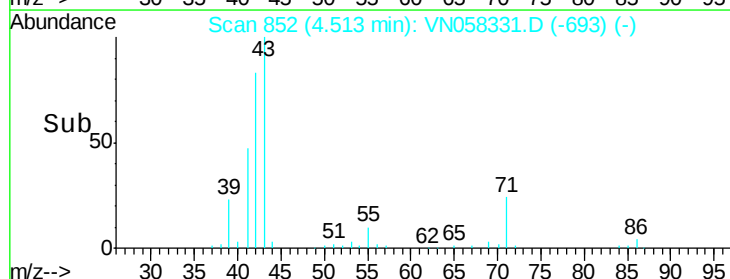
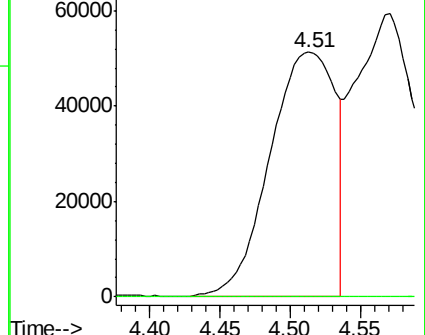
43 100

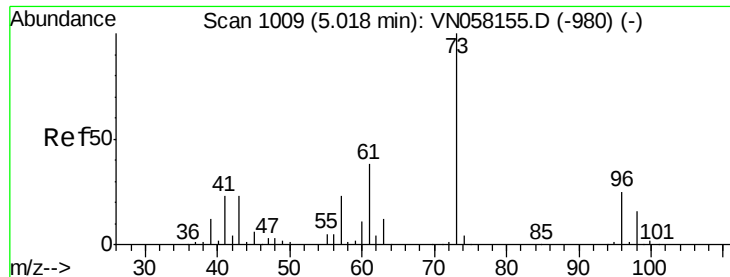
74 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

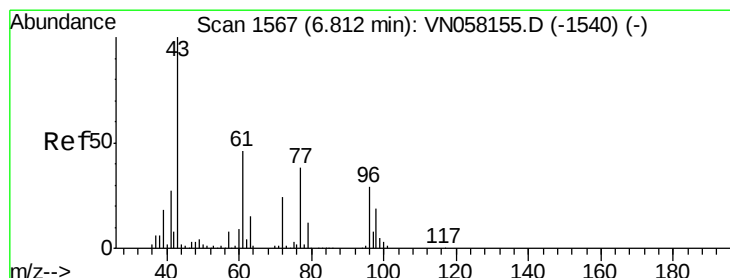
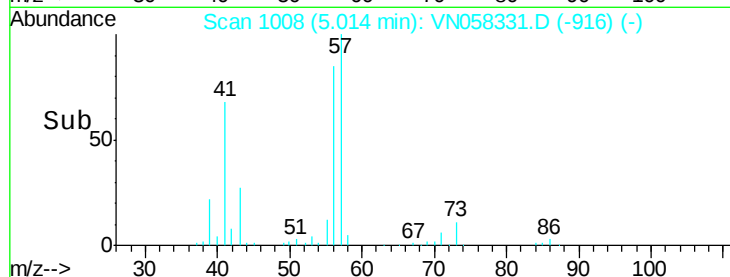
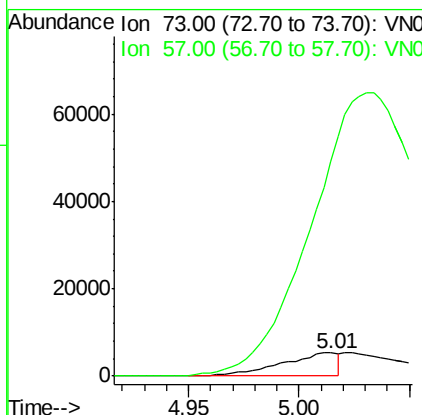
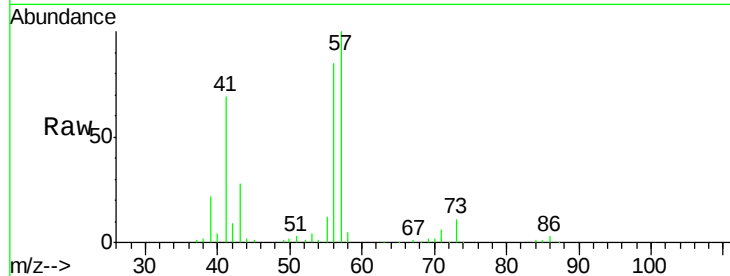




#19
Methvl tert-butvl Ether
Concen: 0.582 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

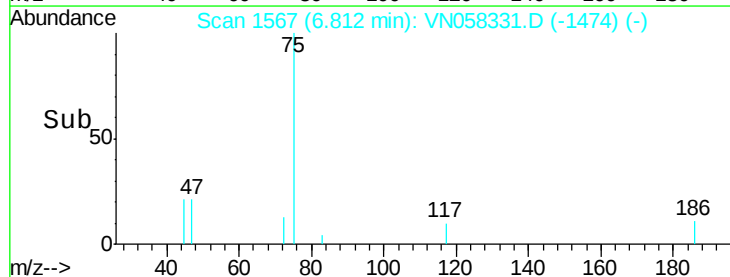
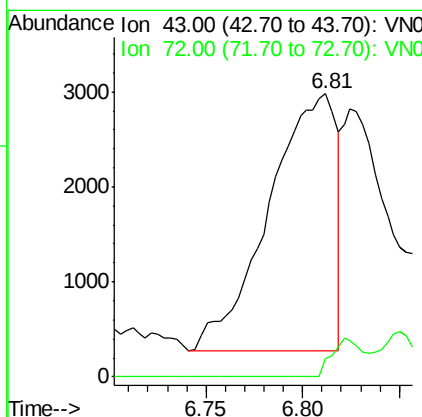
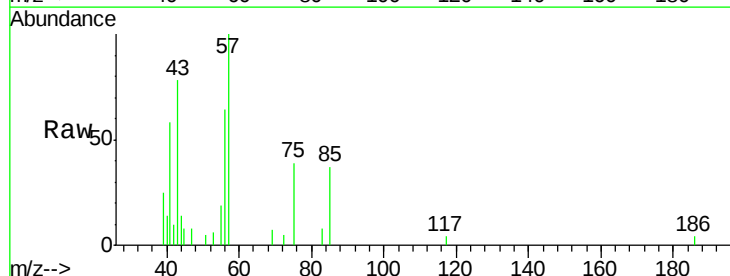
Instrument :
MSVOA_N
ClientSampled :

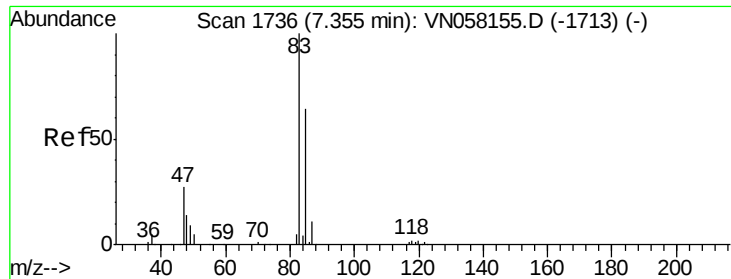
Tot Ion: 73 Resp: 9690
Ion Ratio Lower Upper
73 100
57 913.6 18.1 27.1#



#25
2-Butanone
Concen: 1.867 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

Tgt Ion: 43 Resp: 6563
Ion Ratio Lower Upper
43 100
72 7.0 19.5 29.3#

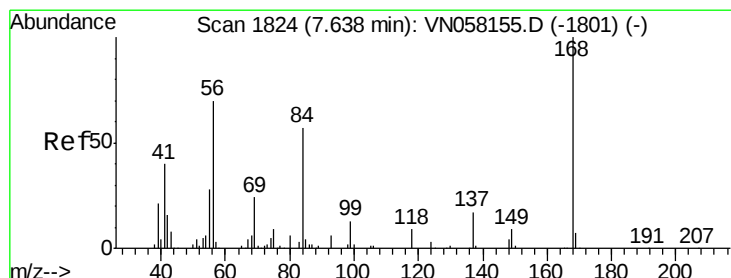
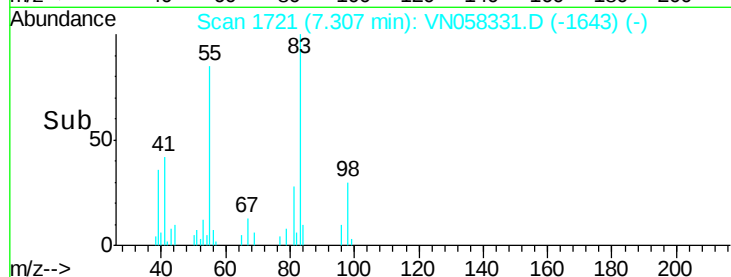
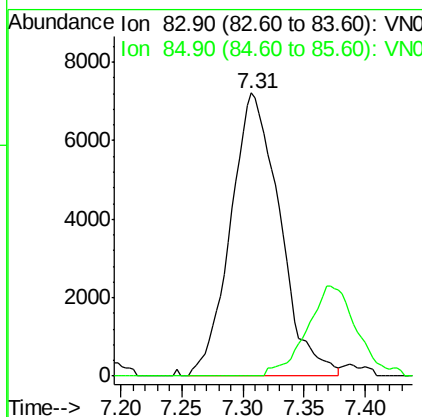
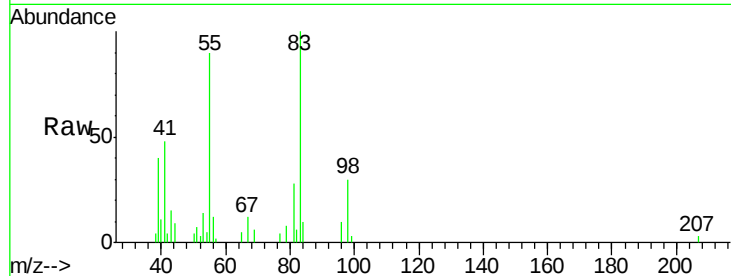




#30
Chloroform
Concen: 1.917 ug/l
RT: 7.31 min Scan# 1721
Delta R.T. -0.05 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

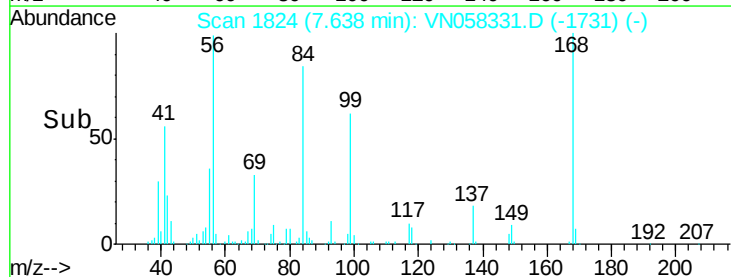
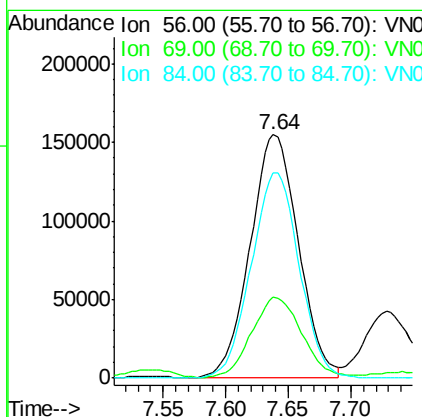
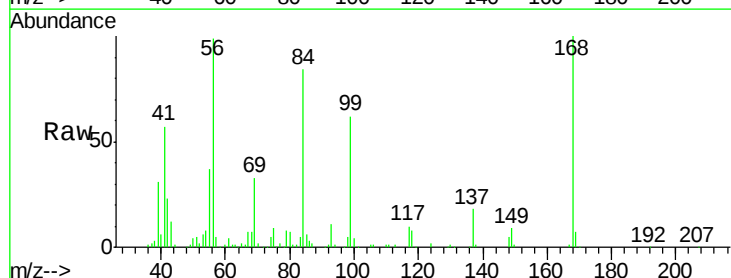
Instrument :
MSVOA_N
ClientSampled :

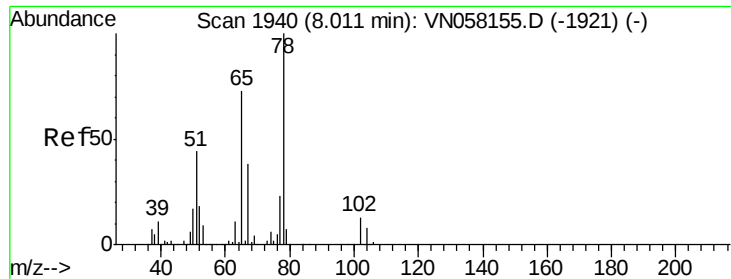
Tot Ion: 83 Resp: 20201
Ion Ratio Lower Upper
83 100
85 0.0 51.4 77.2#



#31
Cyclohexane
Concen: 65.869 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

Tgt Ion: 56 Resp: 411910
Ion Ratio Lower Upper
56 100
69 32.4 27.3 40.9
84 84.3 65.0 97.4





#33

1,2-Dichloroethane-d4

Concen: 50.046 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

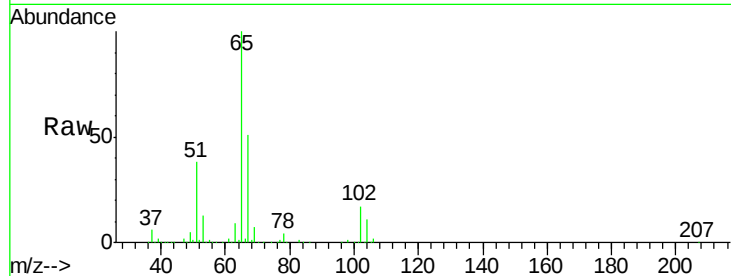
ClientSampleId :

Tot Ion: 65 Resp: 380423

Ion Ratio Lower Upper

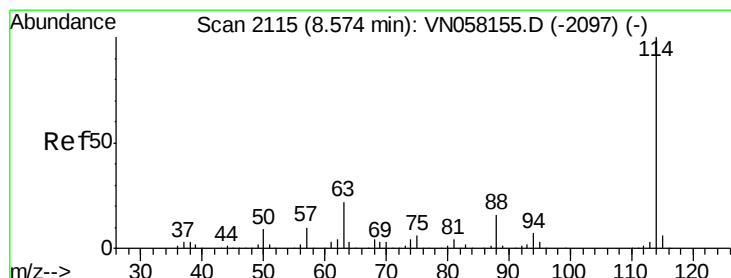
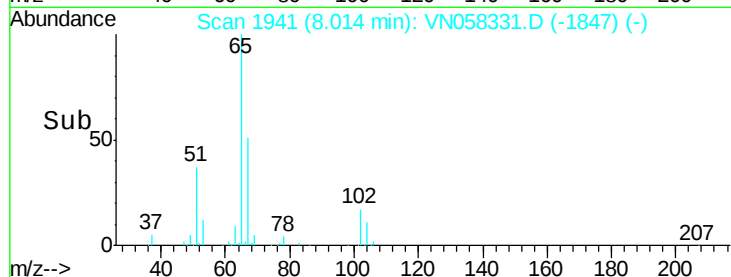
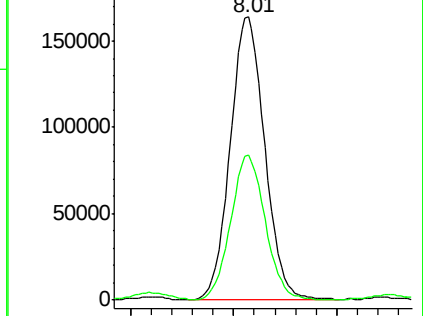
65 100

67 50.9 0.0 103.4



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: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

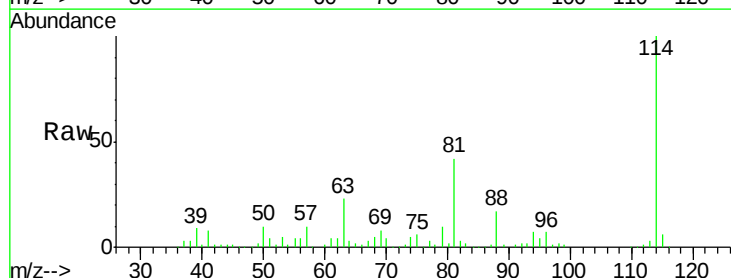
Tgt Ion: 114 Resp: 877405

Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.2

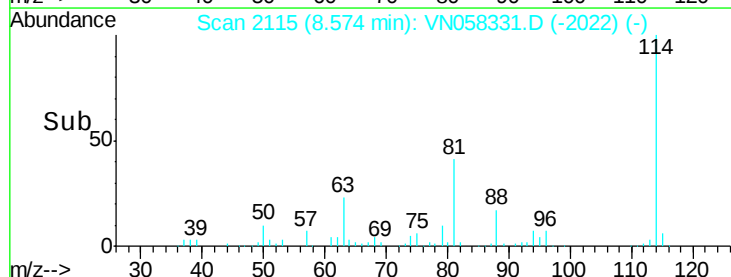
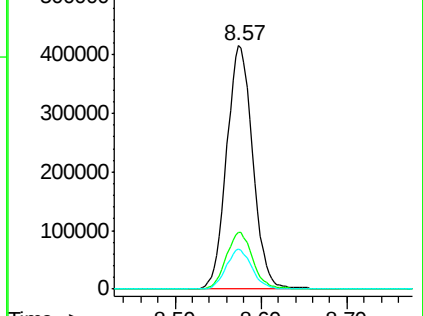
88 16.6 0.0 31.6

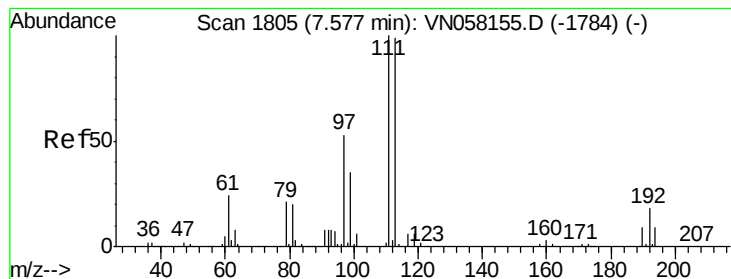


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 50.544 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :
MSVOA_N
ClientSampled :

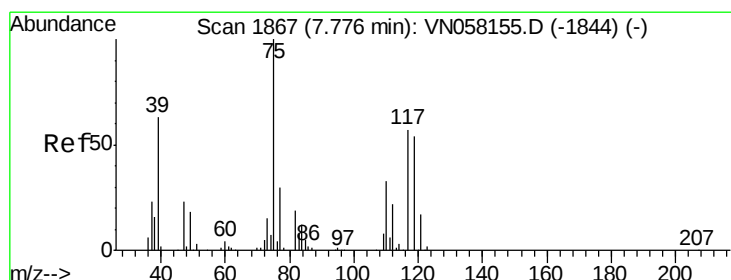
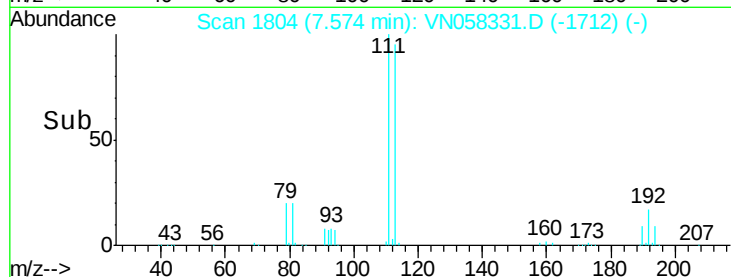
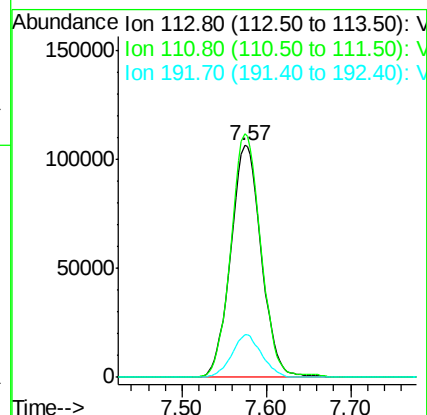
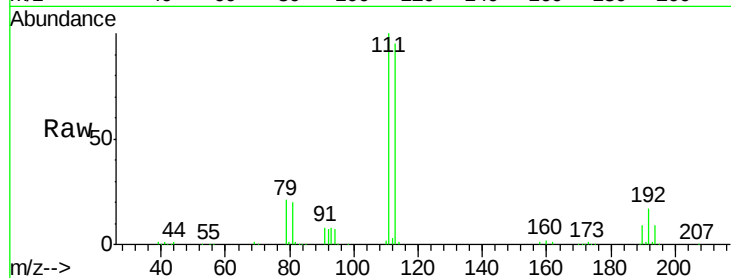
Tot Ion:113 Resp: 269598

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.6

192 18.0 14.5 21.7



#36

1,1-Dichloropropene

Concen: 7.316 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

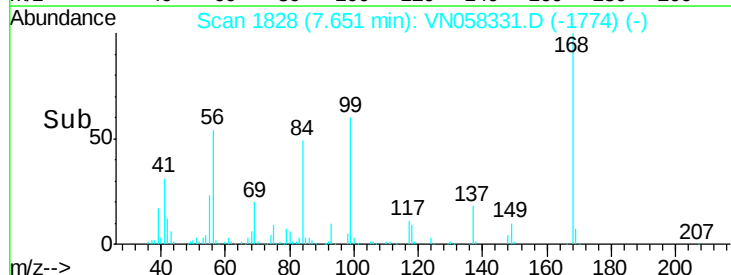
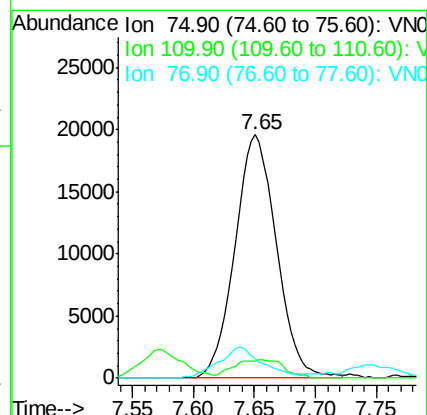
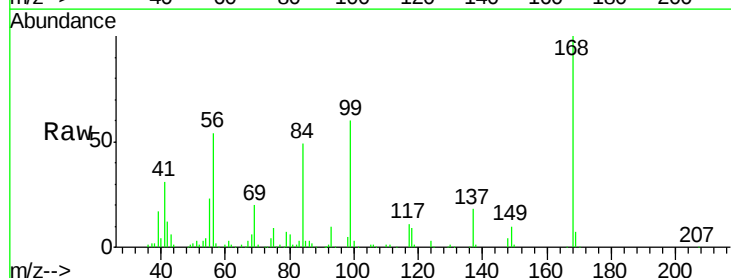
Tgt Ion: 75 Resp: 46290

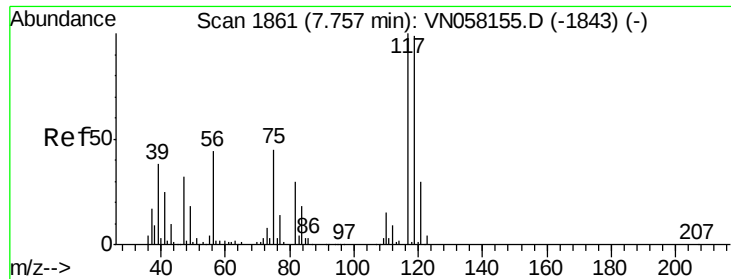
Ion Ratio Lower Upper

75 100

110 2.8 16.6 49.7#

77 13.6 24.3 36.5#

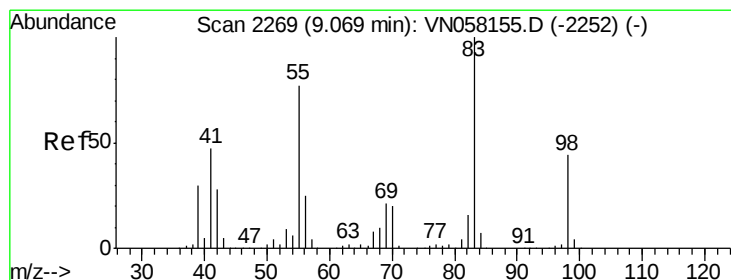
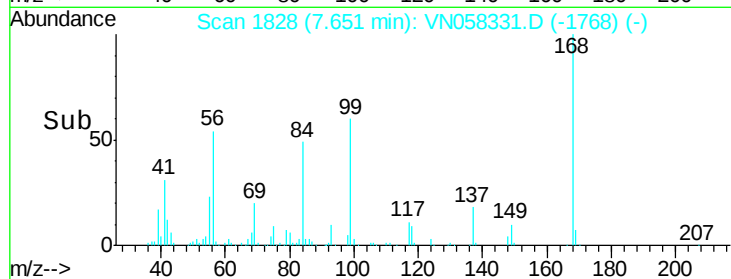
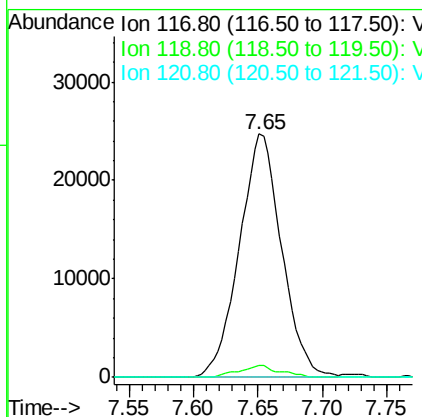
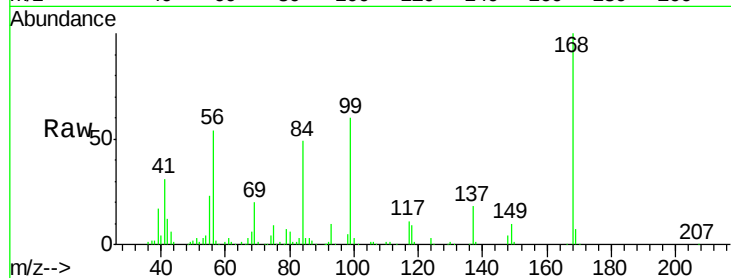




#38
Carbon Tetrachloride
Concen: 8.877 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

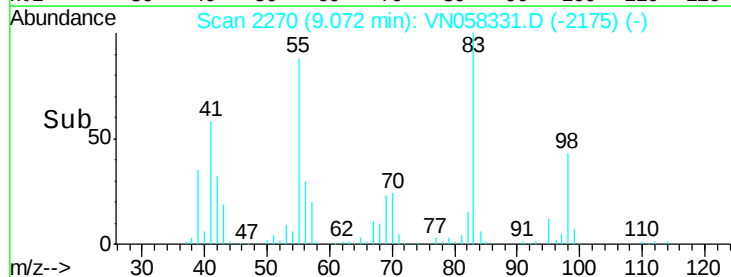
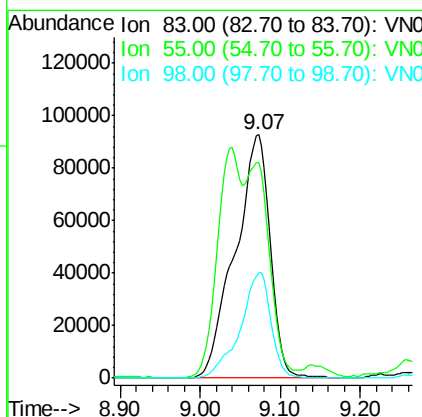
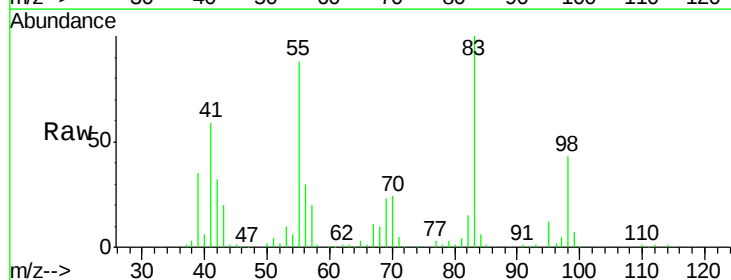
Instrument :
MSVOA_N
ClientSampled :

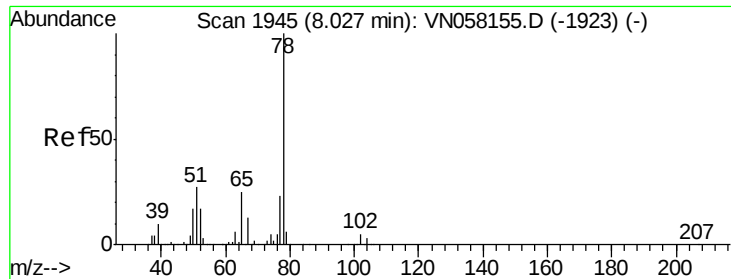
Tot Ion:117 Resp: 56460
Ion Ratio Lower Upper
117 100
119 4.8 78.6 117.8#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 45.061 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

Tgt Ion: 83 Resp: 275627
Ion Ratio Lower Upper
83 100
55 87.8 61.9 92.9
98 43.1 35.4 53.2





#40

Benzene

Concen: 1.246 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

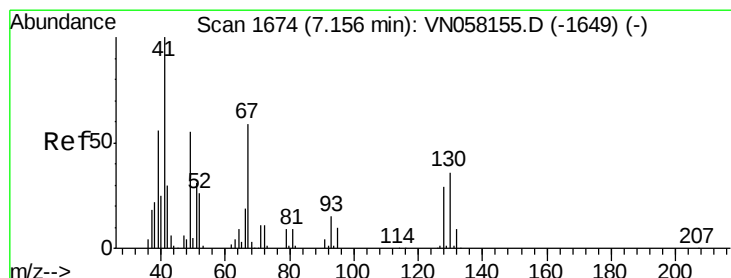
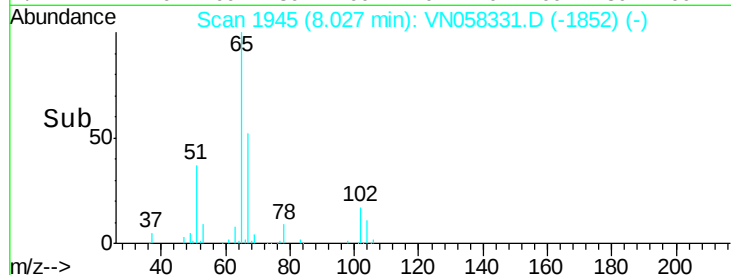
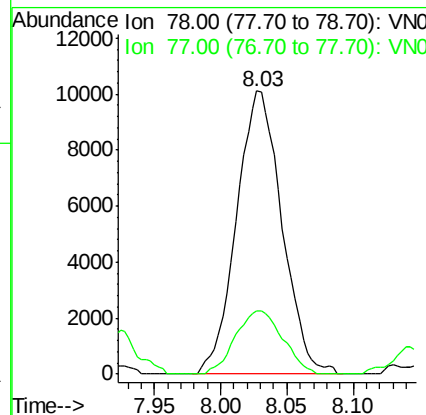
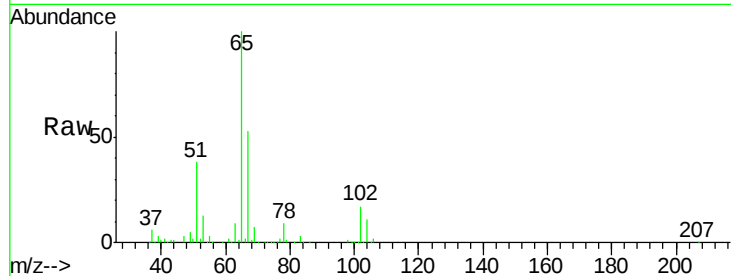
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 78 Resp: 24071

Ion Ratio Lower Upper

78 100

77 22.2 18.8 28.2



#41

Methacrylonitrile

Concen: 1.470 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Tgt Ion: 41 Resp: 1884

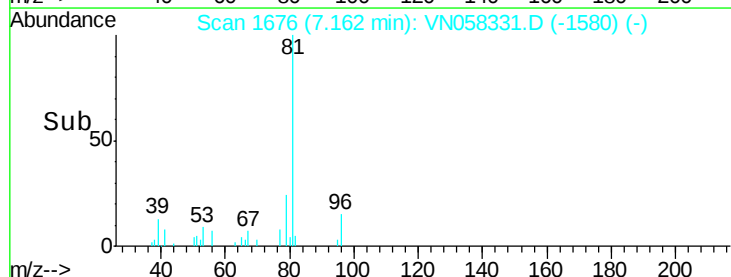
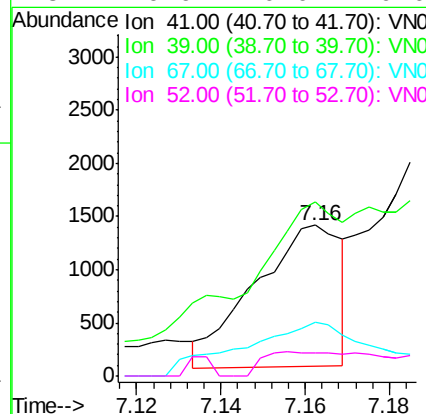
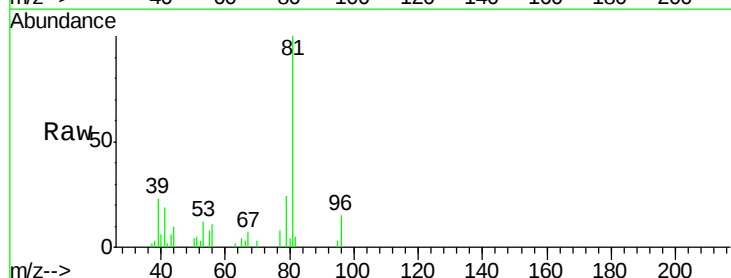
Ion Ratio Lower Upper

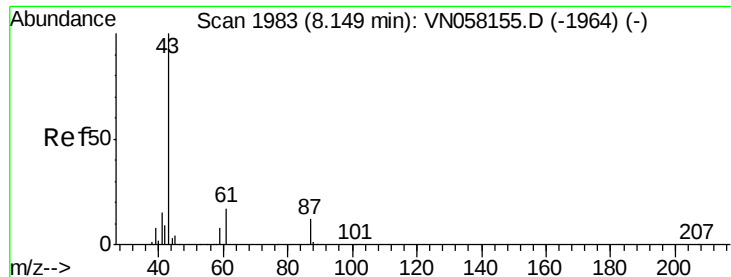
41 100

39 120.2 0.0 0.0#

67 58.4 0.0 0.0#

52 26.9 0.0 0.0#



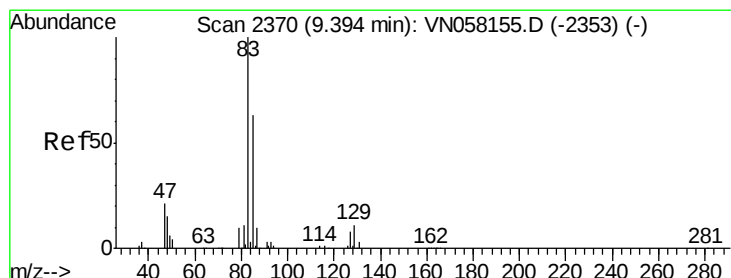
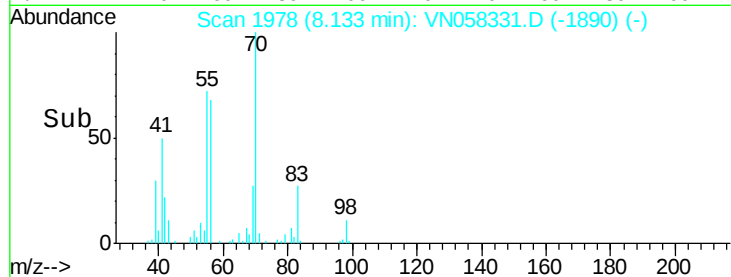
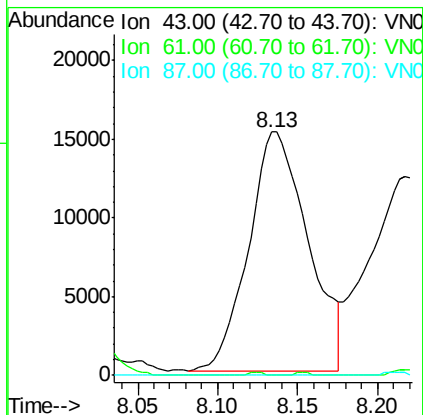
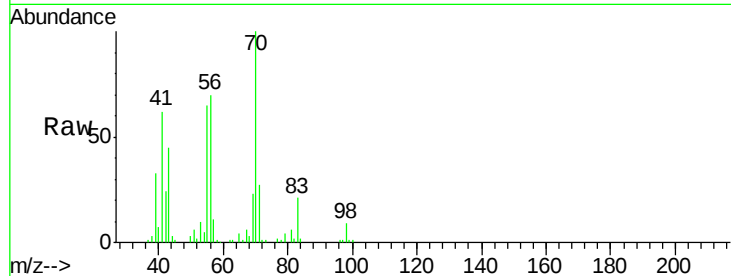


#43

Isopropyl Acetate
 Concen: 3.204 ug/l
 RT: 8.13 min Scan# 1978
 Delta R.T. -0.02 min
 Lab File: VN058331.D
 Acq: 24 Sep 2019 6:40

Instrument :
 MSVOA_N
 ClientSampled :

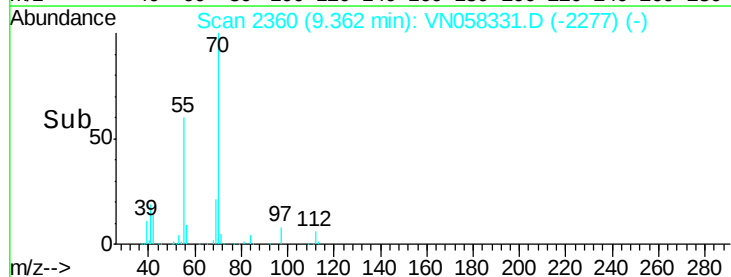
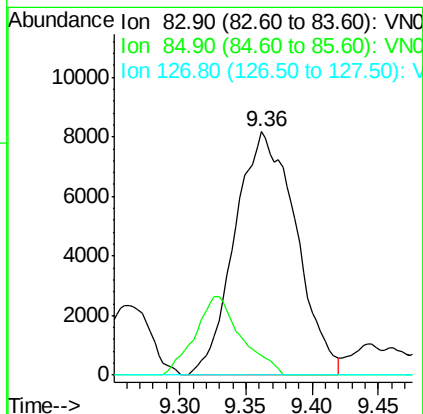
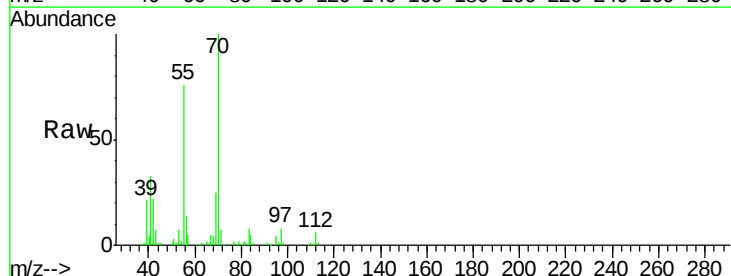
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.7	29.5#
87	0.0	9.4	14.2#

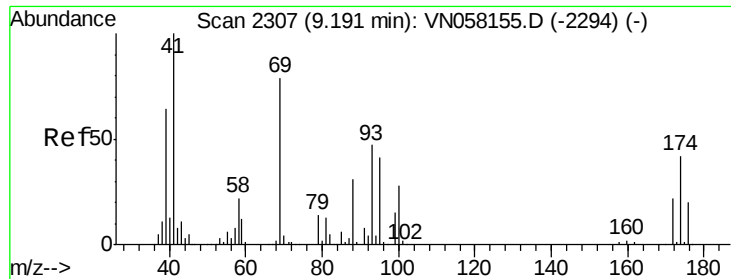


#47

Bromodichloromethane
 Concen: 3.579 ug/l
 RT: 9.36 min Scan# 2360
 Delta R.T. -0.03 min
 Lab File: VN058331.D
 Acq: 24 Sep 2019 6:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	8.0	50.1	75.1#
127	0.0	6.4	9.6#

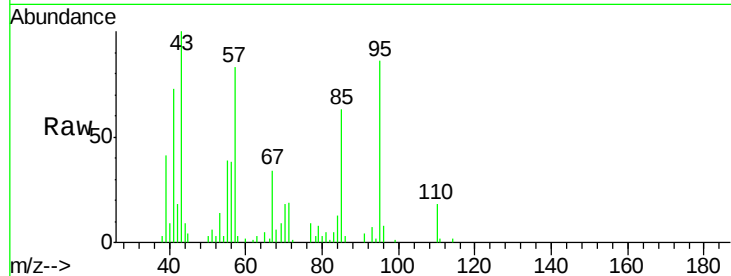




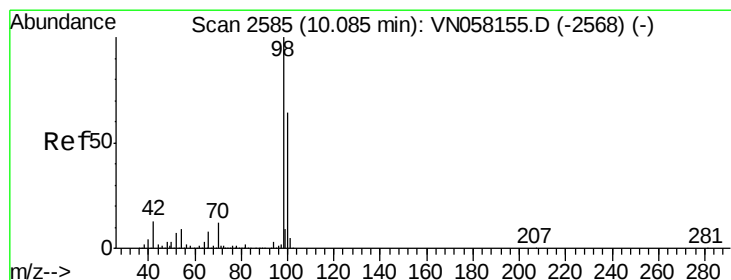
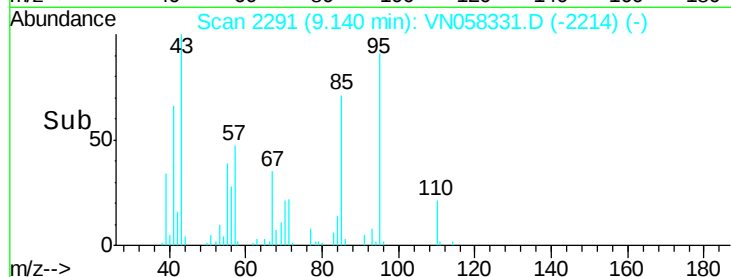
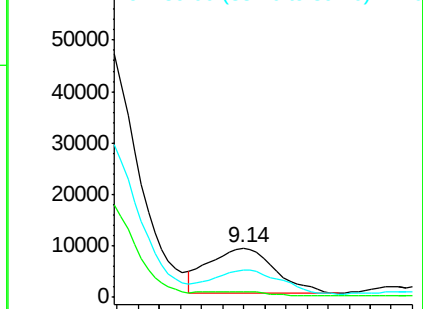
#48
Methvl methacrvlate
Concen: 3.432 ug/l
RT: 9.14 min Scan# 2291
Delta R.T. -0.05 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 19108
Ion Ratio Lower Upper
41 100
69 0.0 62.5 93.7#
39 52.0 52.3 78.5#

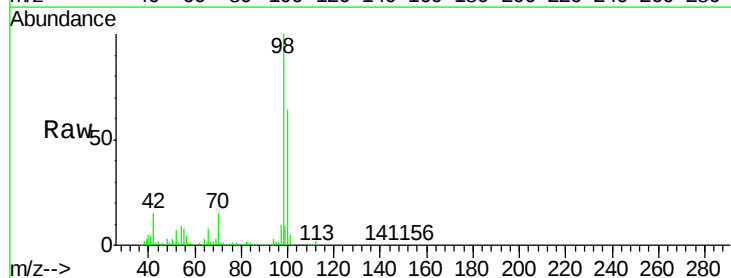


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

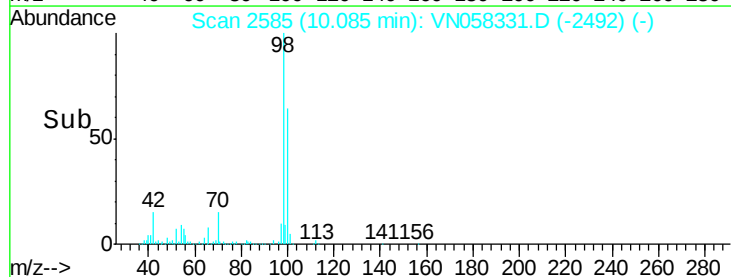
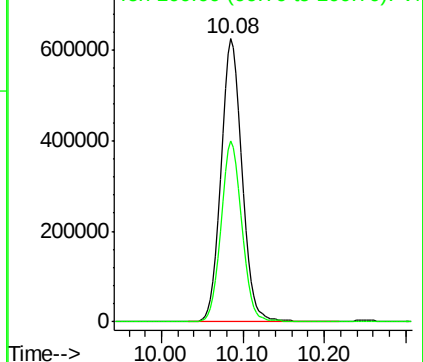


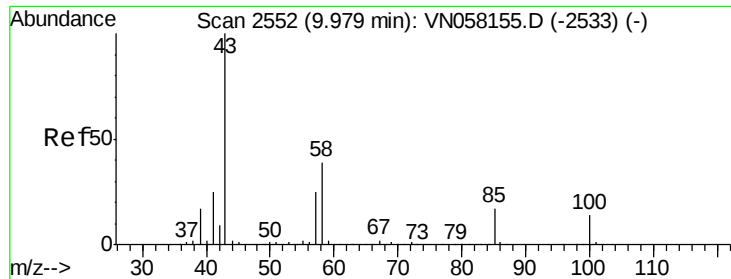
#50
Toluene-d8
Concen: 55.187 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

Tgt Ion: 98 Resp: 1146888
Ion Ratio Lower Upper
98 100
100 62.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO





#51

4-Methyl-2-Pentanone

Concen: 0.238 ug/l

RT: 9.96 min Scan# 2547

Delta R.T. -0.02 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

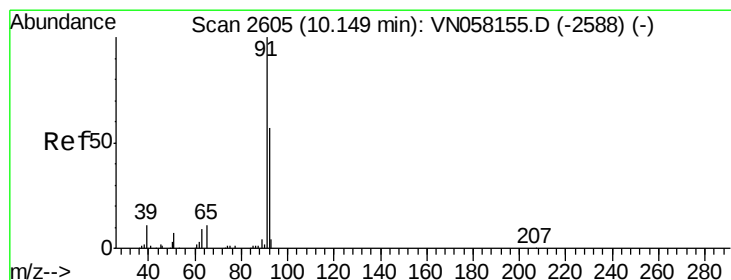
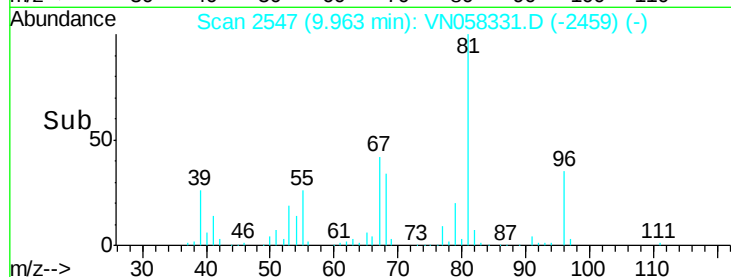
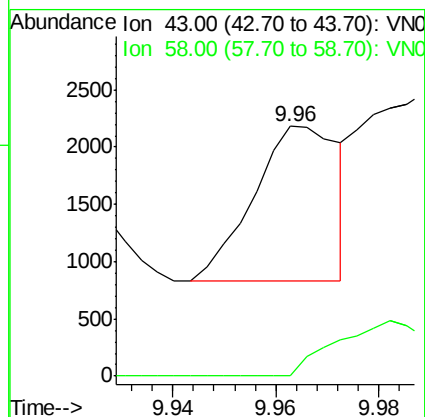
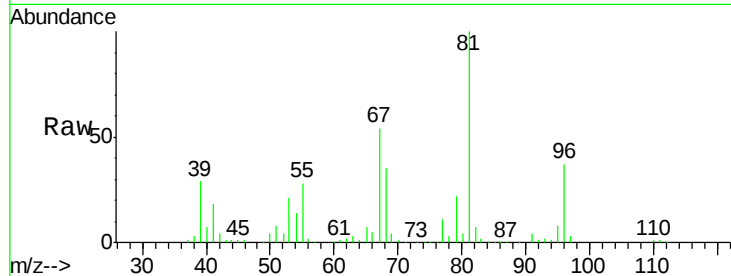
ClientSampled :

Tot Ion: 43 Resp: 1553

Ion Ratio Lower Upper

43 100

58 63.4 30.2 45.4#



#52

Toluene

Concen: 2.303 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058331.D

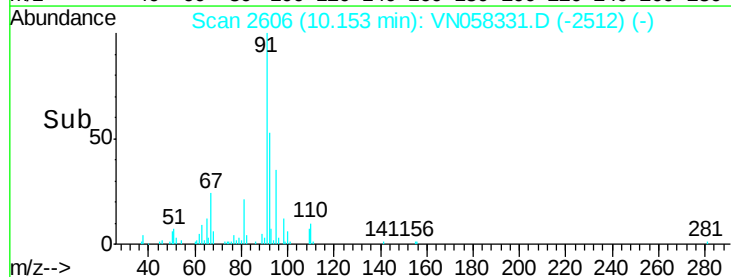
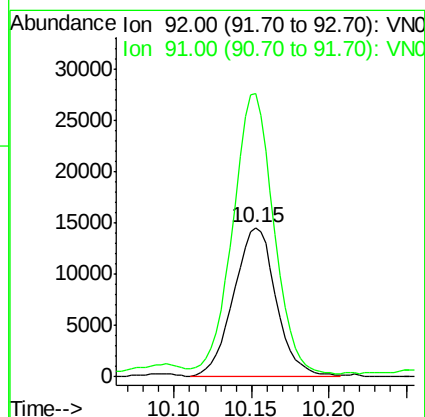
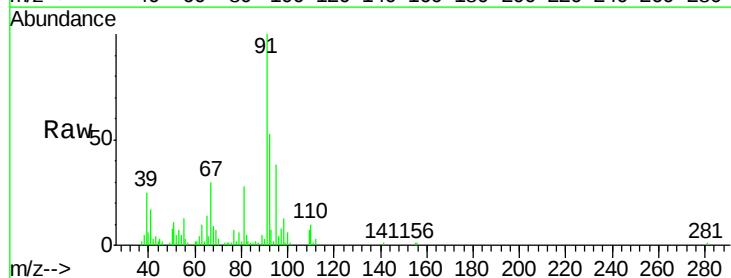
Acq: 24 Sep 2019 6:40

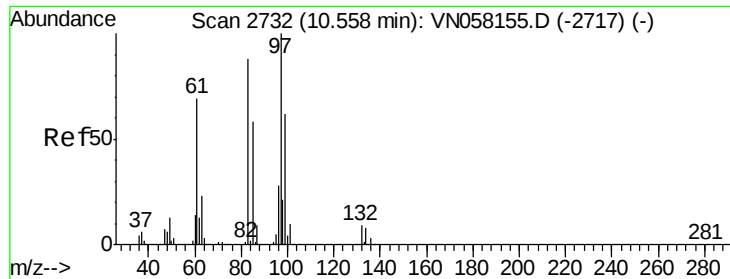
Tgt Ion: 92 Resp: 27888

Ion Ratio Lower Upper

92 100

91 181.0 140.2 210.2

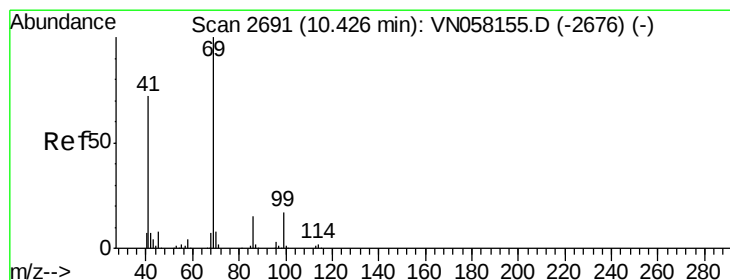
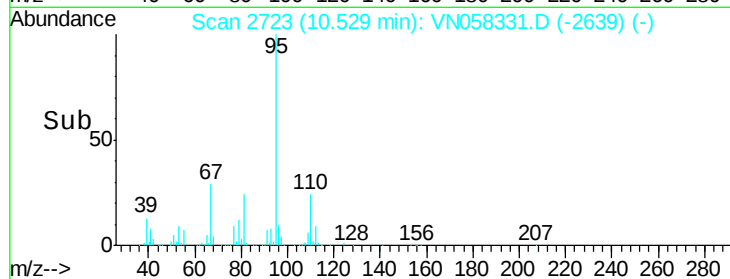
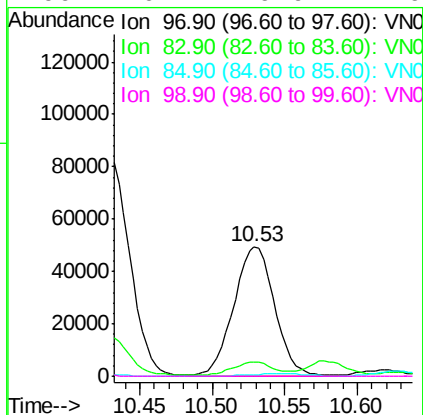
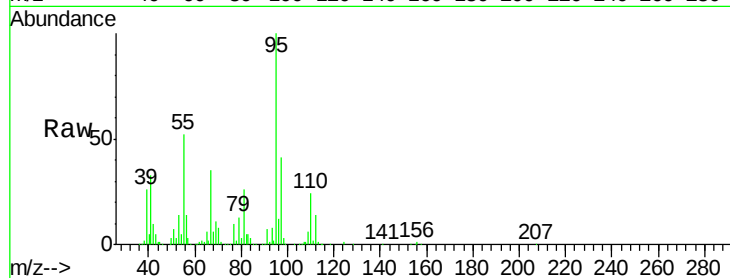




#55
 1,1,2-Trichloroethane
 Concen: 18.140 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.03 min
 Lab File: VN058331.D
 Acq: 24 Sep 2019 6:40

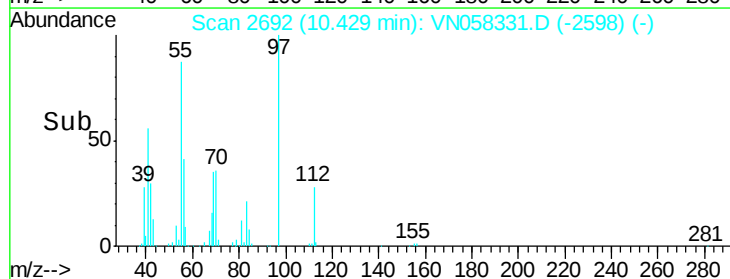
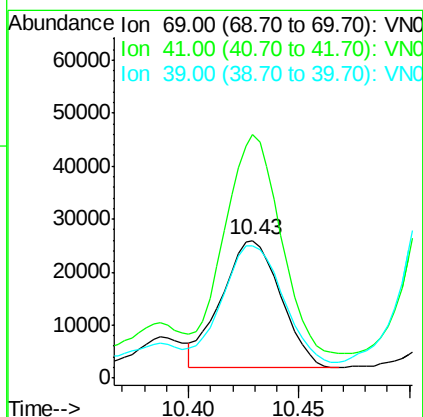
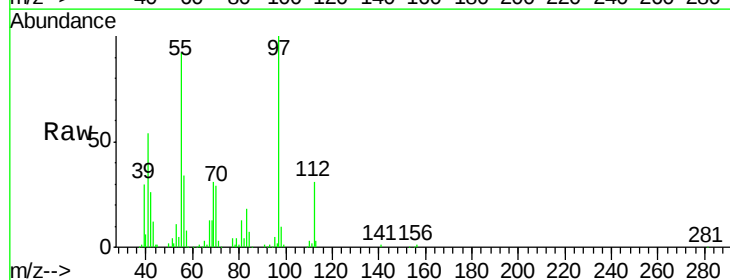
Instrument :
 MSVOA_N
 ClientSampled :

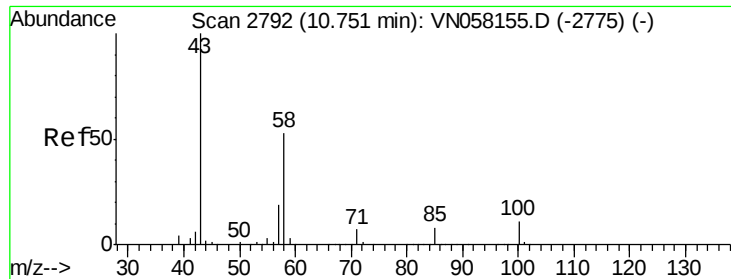
Tot Ion: 97 Resp: 97499
 Ion Ratio Lower Upper
 97 100
 83 10.2 70.4 105.6#
 85 1.2 46.8 70.2#
 99 0.4 49.9 74.9#



#56
 Ethyl methacrylate
 Concen: 5.810 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058331.D
 Acq: 24 Sep 2019 6:40

Tgt Ion: 69 Resp: 45056
 Ion Ratio Lower Upper
 69 100
 41 161.6 57.5 86.3#
 39 92.0 36.1 54.1#

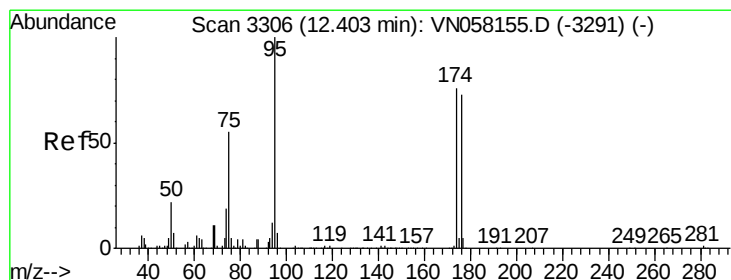
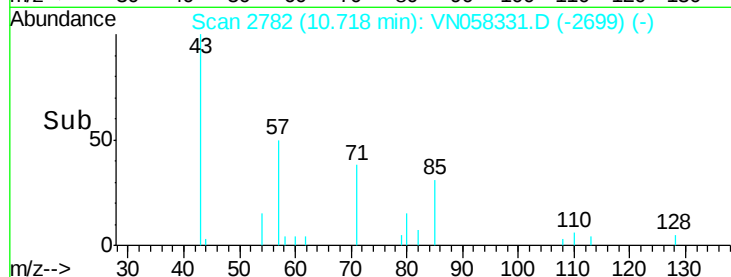
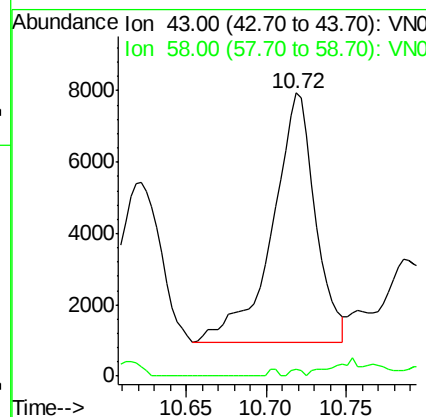
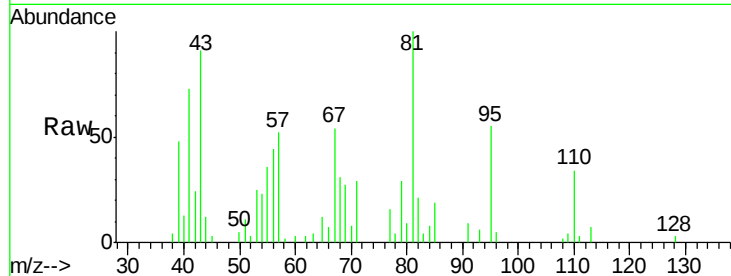




#59
2-Hexanone
Concen: 2.692 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

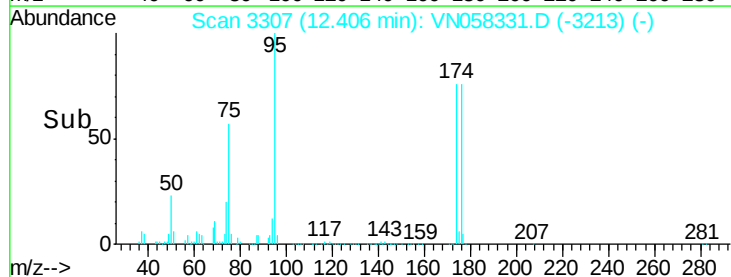
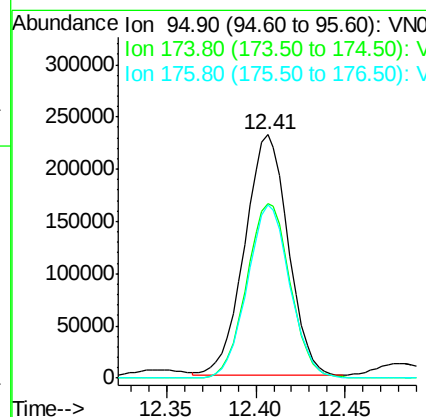
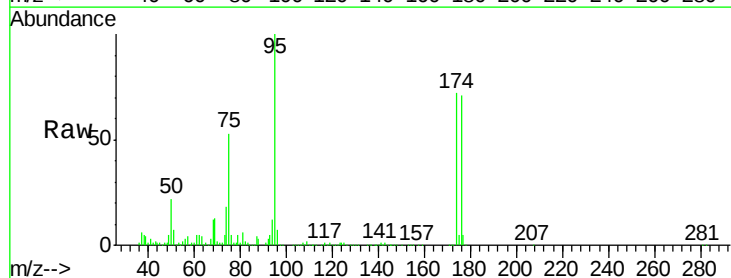
Instrument :
MSVOA_N
ClientSampled :

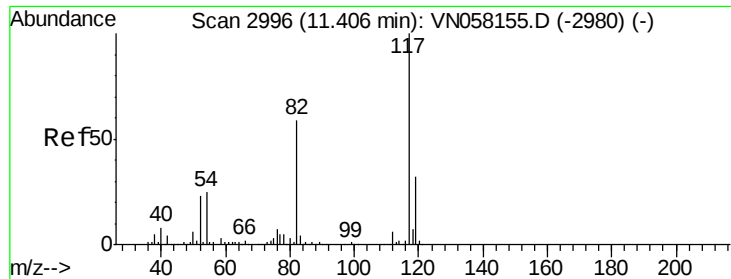
Tot Ion: 43 Resp: 13024
Ion Ratio Lower Upper
43 100
58 0.8 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 50.750 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

Tgt Ion: 95 Resp: 391774
Ion Ratio Lower Upper
95 100
174 72.6 0.0 152.2
176 70.6 0.0 148.0

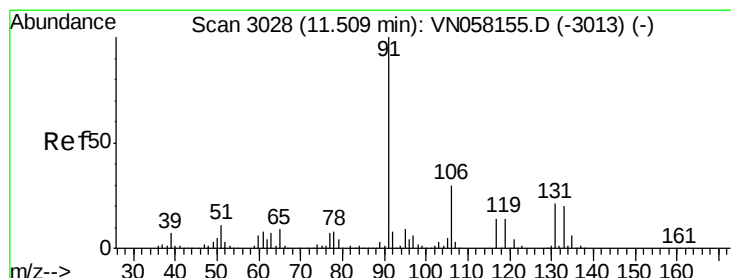
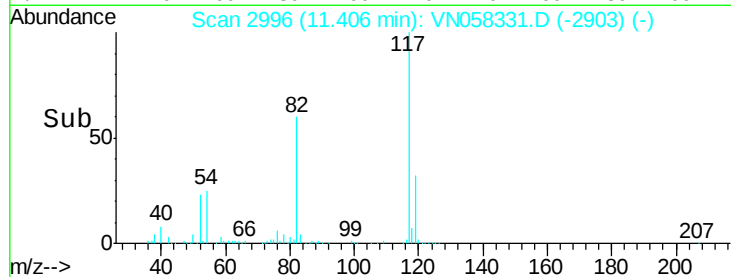
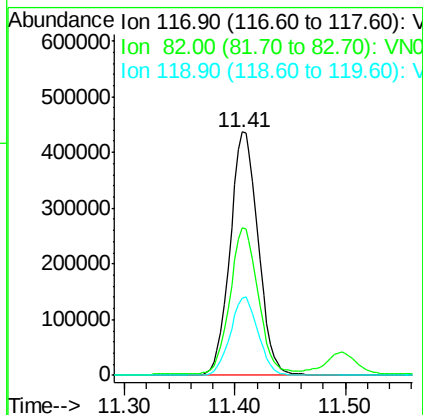
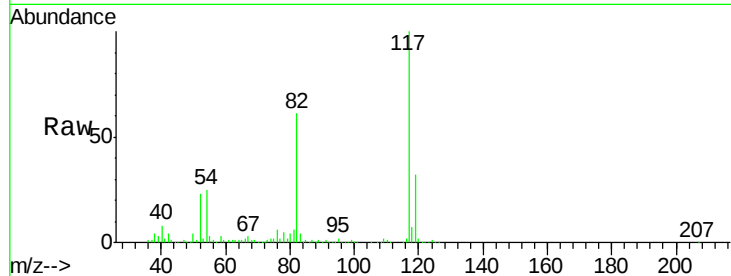




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

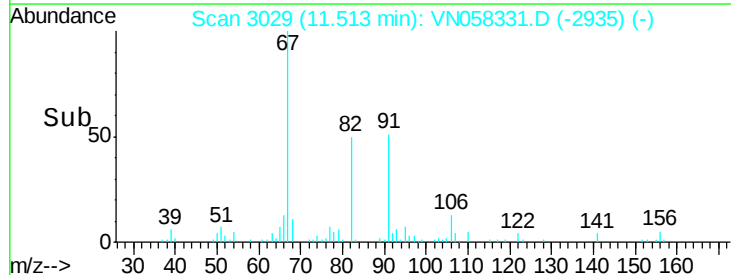
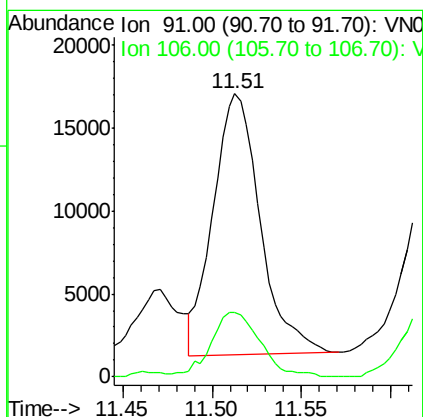
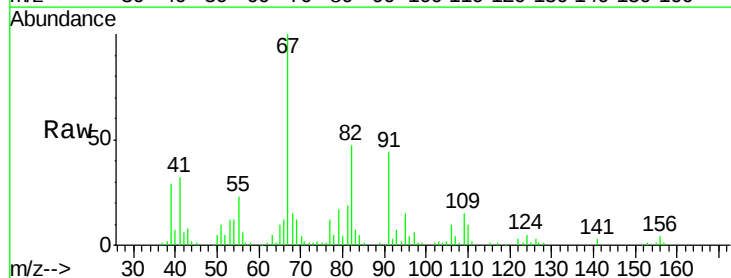
Instrument :
MSVOA_N
ClientSampled :

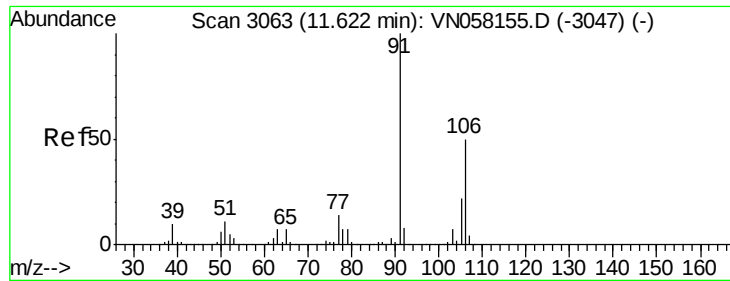
Tot Ion:117 Resp: 769905
Ion Ratio Lower Upper
117 100
82 60.2 46.9 70.3
119 31.6 25.3 37.9



#67
Ethyl Benzene
Concen: 1.239 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

Tgt Ion: 91 Resp: 28749
Ion Ratio Lower Upper
91 100
106 25.1 24.0 36.0

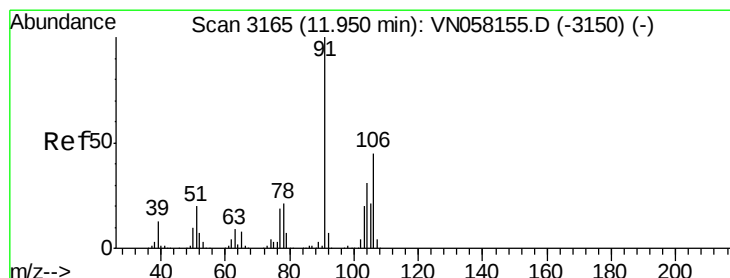
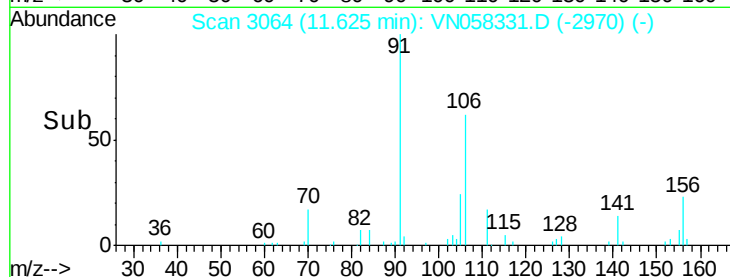
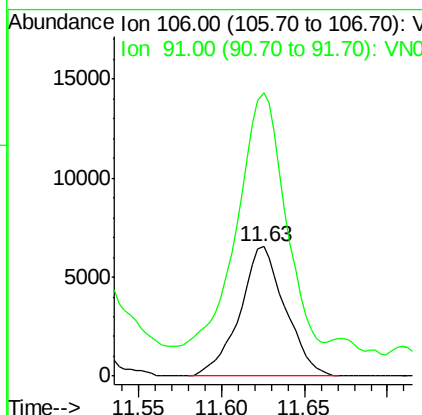
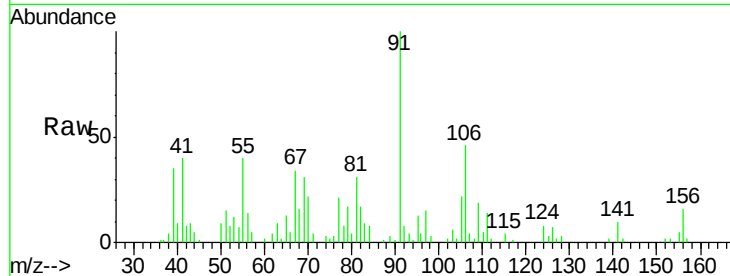




#68
m/p-Xylenes
Concen: 1.420 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

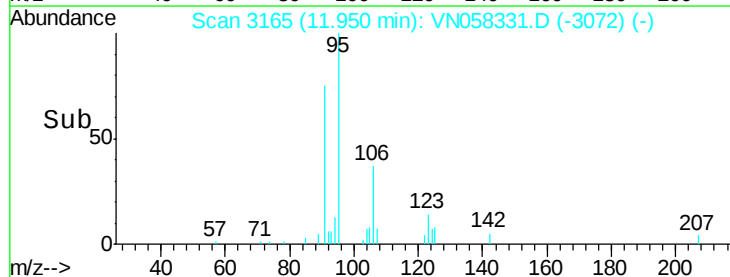
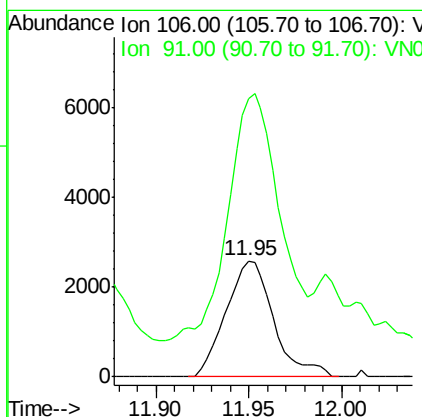
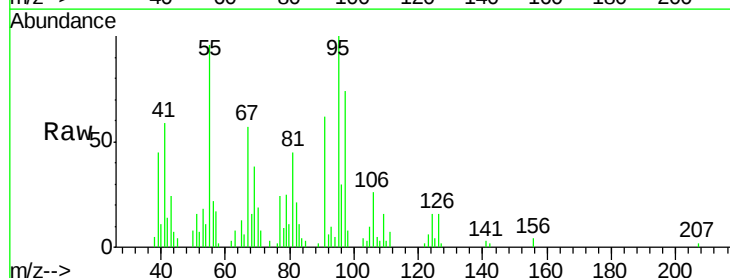
Instrument :
MSVOA_N
ClientSampled :

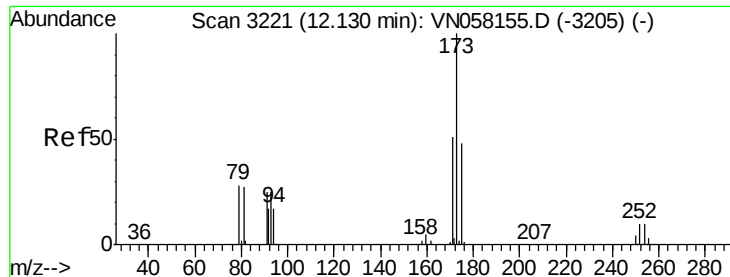
Tot Ion:106 Resp: 12411
Ion Ratio Lower Upper
106 100
91 201.0 163.6 245.4



#69
o-Xylene
Concen: 0.536 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

Tgt Ion:106 Resp: 4607
Ion Ratio Lower Upper
106 100
91 229.6 111.8 335.3





#71

Bromoform

Concen: 3.756 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

ClientSampleId :

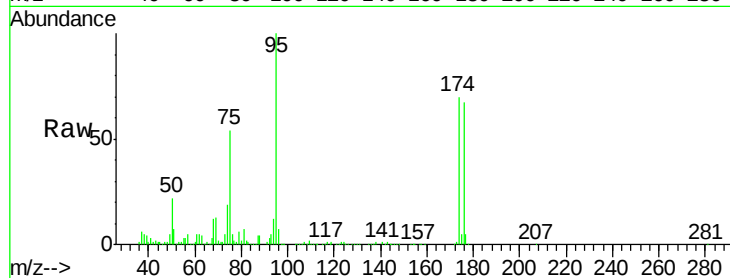
Tot Ion:173 Resp: 631

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

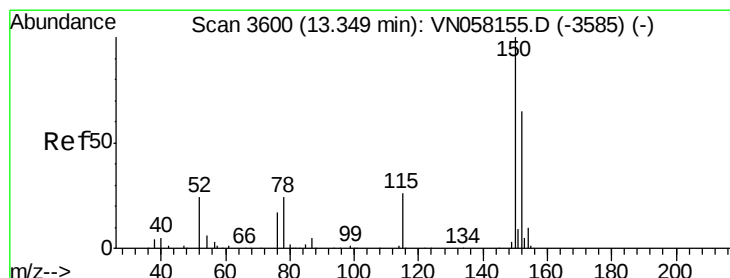
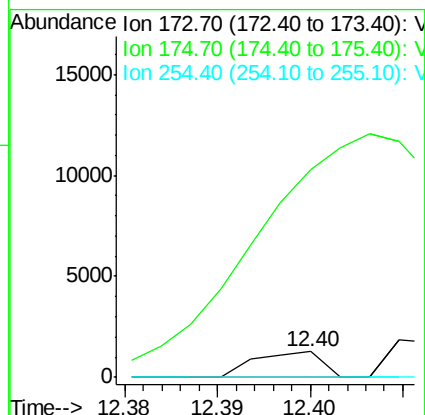
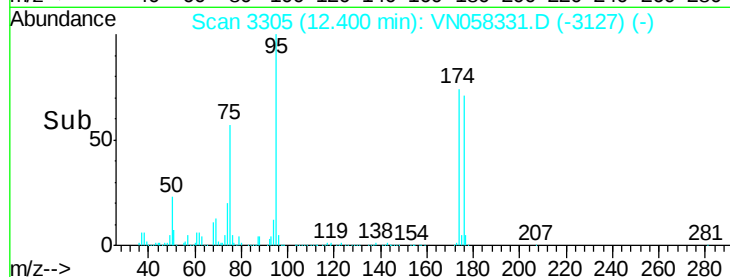
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

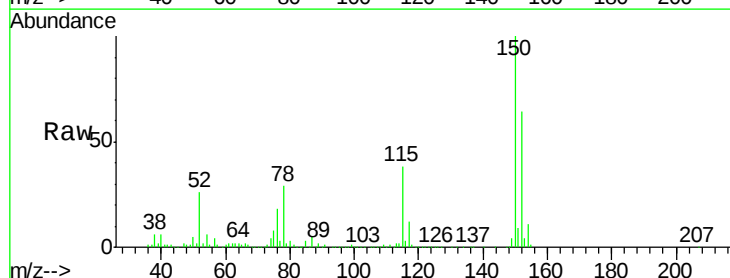
Tgt Ion:152 Resp: 338313

Ion Ratio Lower Upper

152 100

115 60.6 30.1 90.3

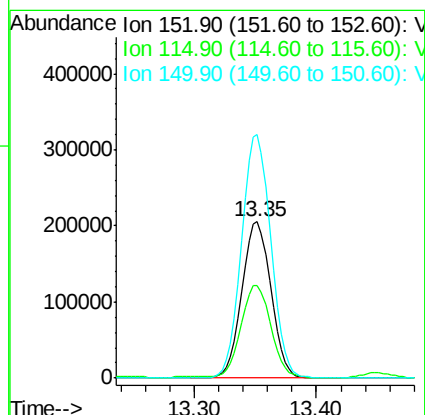
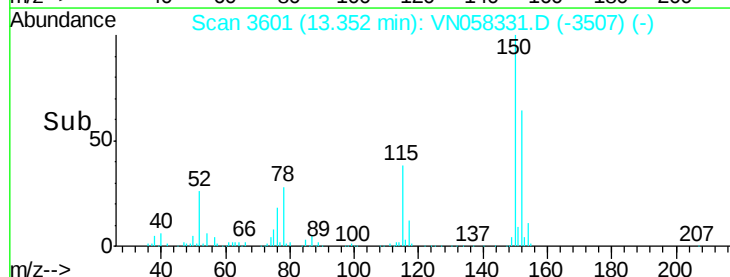
150 156.8 0.0 346.4

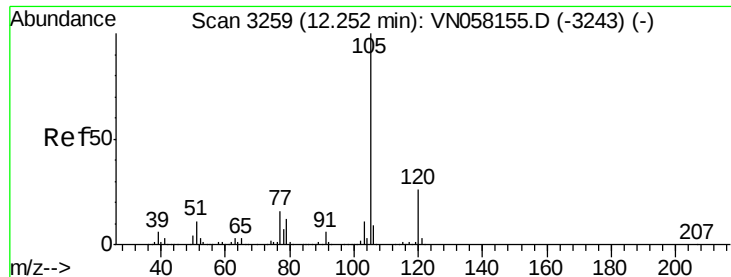


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 69.190 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

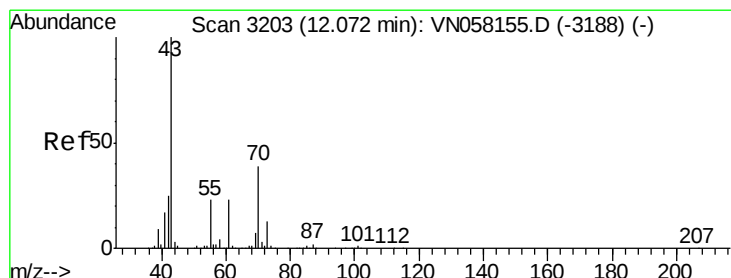
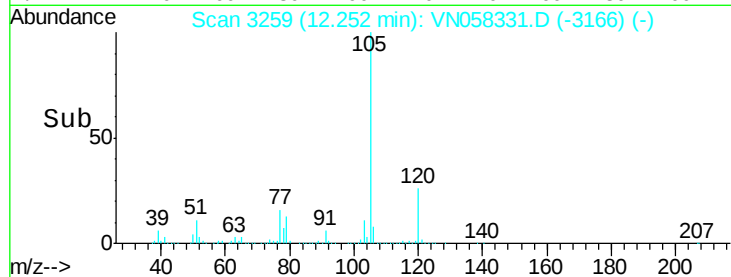
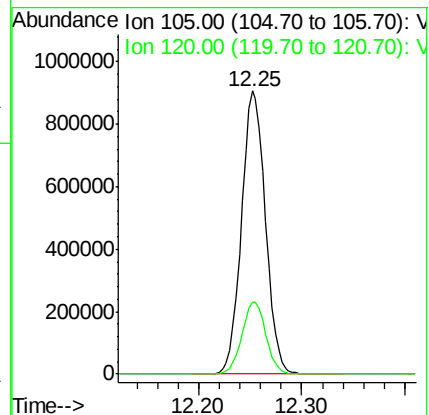
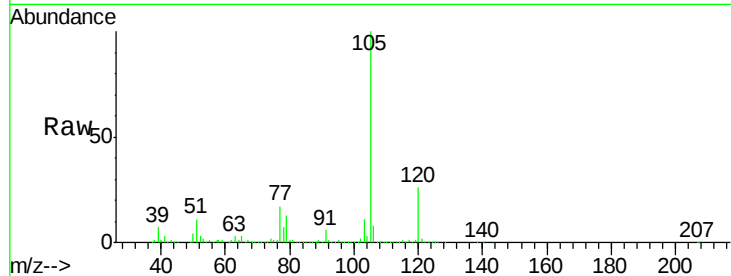
ClientSampled :

Tot Ion:105 Resp: 1465175

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



#74

N-ethyl acetate

Concen: 0.234 ug/l

RT: 12.09 min Scan# 3210

Delta R.T. 0.02 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Tgt Ion: 43 Resp: 2071

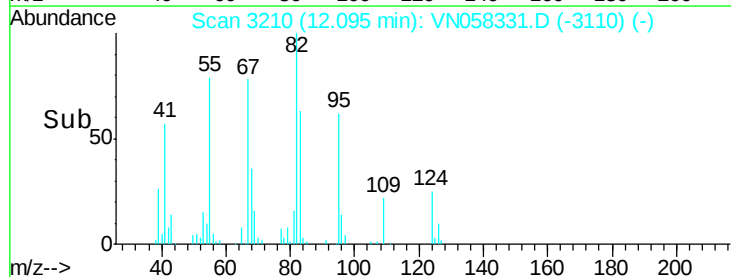
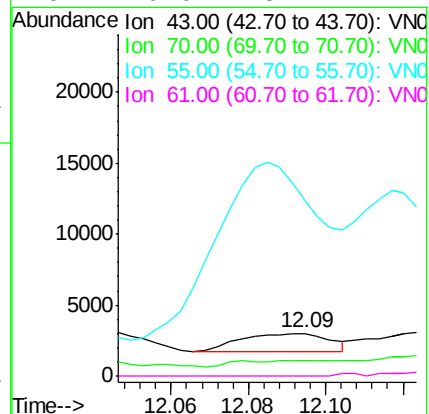
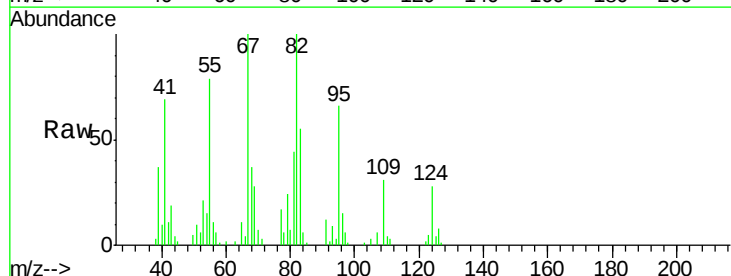
Ion Ratio Lower Upper

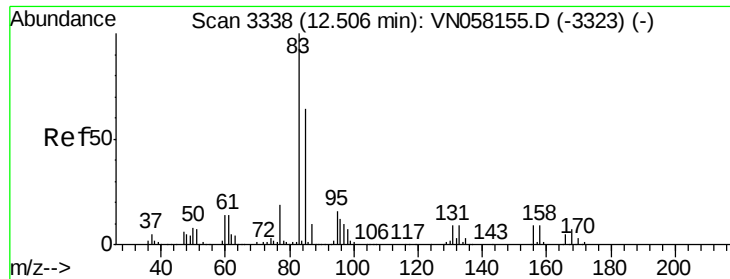
43 100

70 0.0 31.0 46.6#

55 1148.0 18.5 27.7#

61 0.0 18.2 27.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.467 ug/l

RT: 12.48 min Scan# 3331

Delta R.T. -0.02 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

ClientSampled :

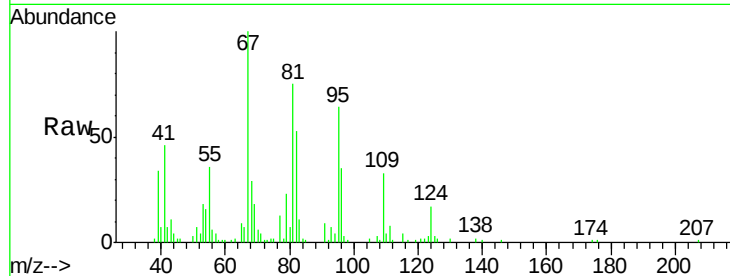
Tot Ion: 83 Resp: 3310

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 9.2 31.9 95.5#



Abundance Ion 82.90 (82.60 to 83.60): VN058155.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN058155.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN058155.D (-3323) (-)

12.48

2500

2000

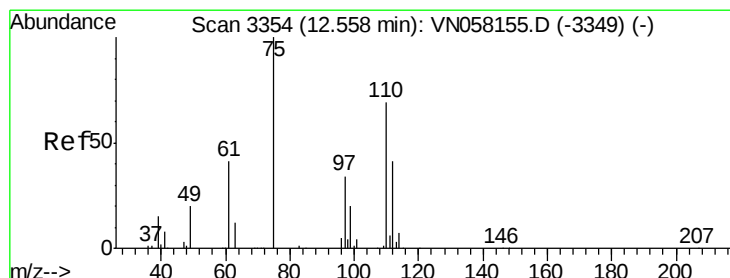
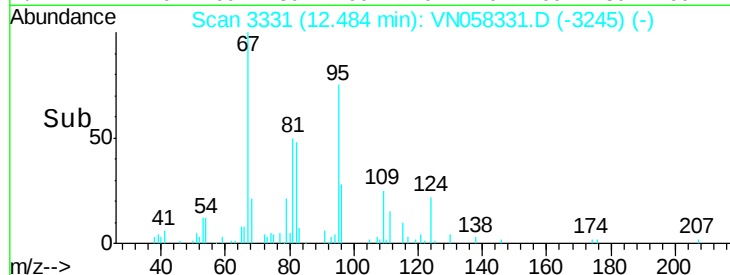
1500

1000

500

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 2.658 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.04 min

Lab File: VN058331.D

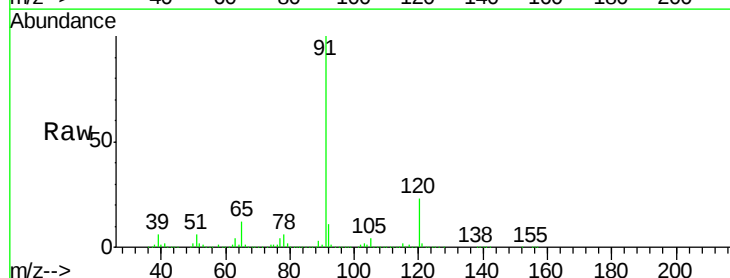
Acq: 24 Sep 2019 6:40

Tgt Ion: 75 Resp: 16095

Ion Ratio Lower Upper

75 100

77 580.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN058155.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058155.D (-3349) (-)

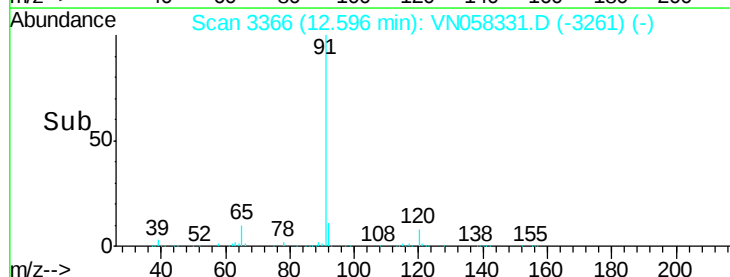
60000

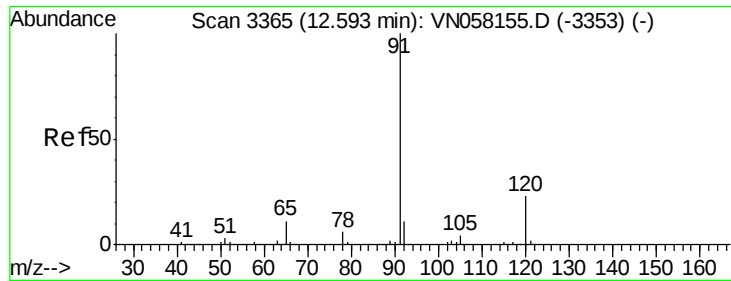
40000

20000

0

Time-->





#78

n-propylbenzene

Concen: 92.989 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

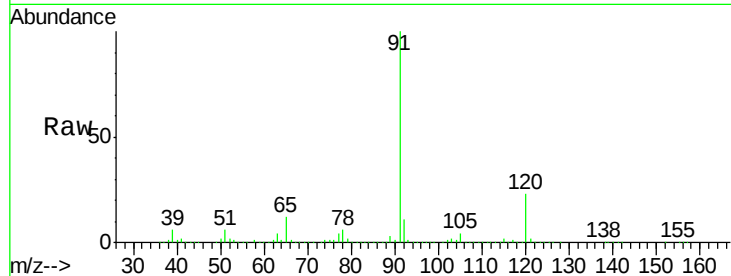
ClientSampled :

Tot Ion: 91 Resp: 2237664

Ion Ratio Lower Upper

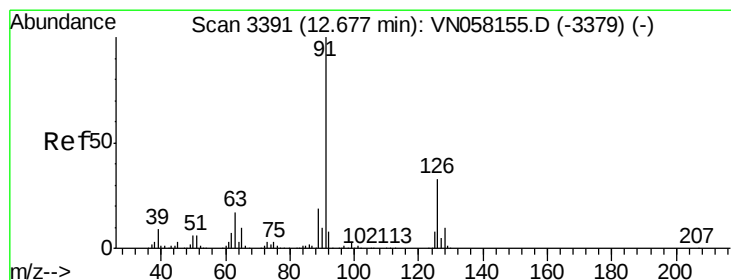
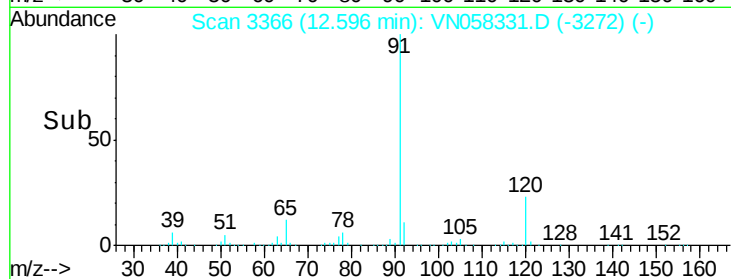
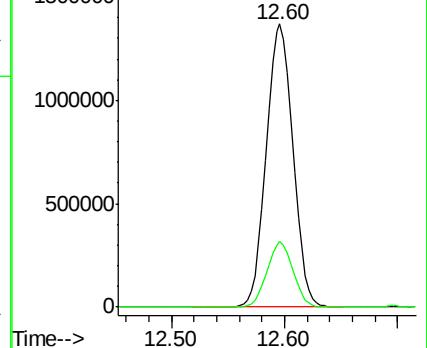
91 100

120 22.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 148.791 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN058331.D

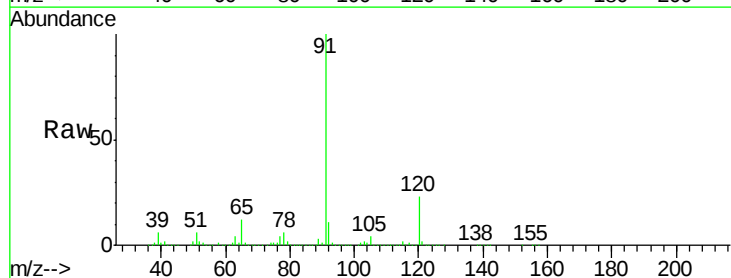
Acq: 24 Sep 2019 6:40

Tgt Ion: 91 Resp: 2237664

Ion Ratio Lower Upper

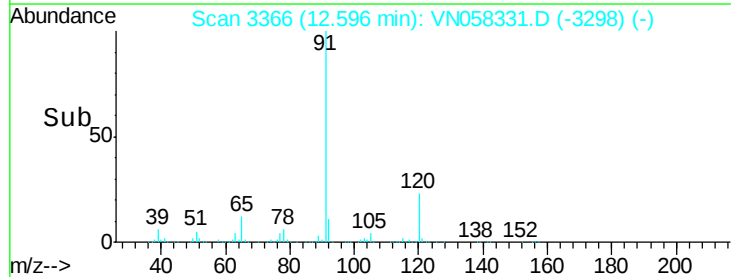
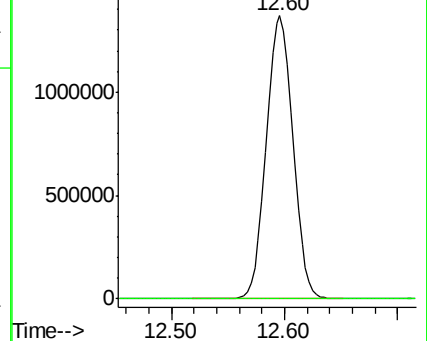
91 100

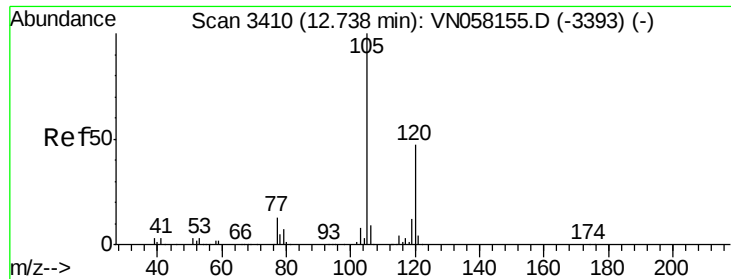
126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 8.202 ug/l

RT: 12.90 min Scan# 3460

Delta R.T. 0.16 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

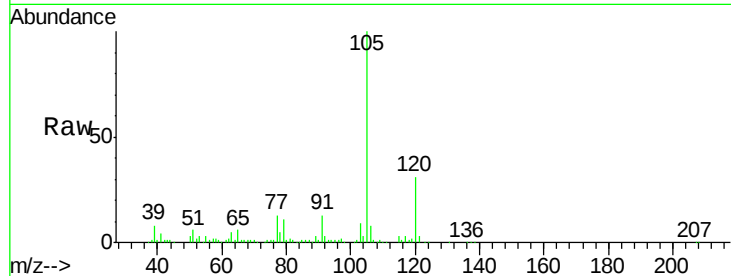
ClientSampled :

Tot Ion:105 Resp: 146879

Ion Ratio Lower Upper

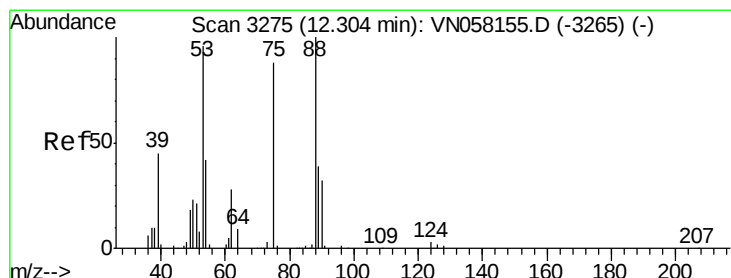
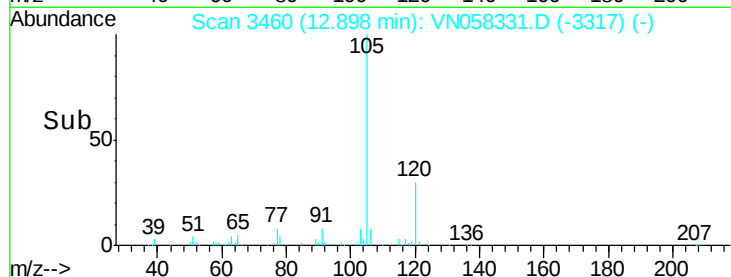
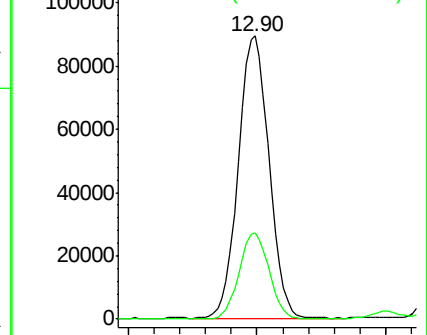
105 100

120 29.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 14.184 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.05 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

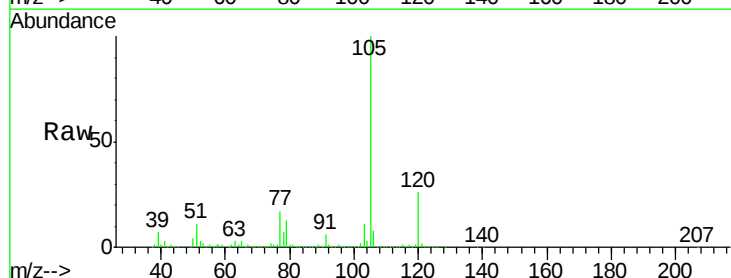
Tgt Ion: 75 Resp: 19332

Ion Ratio Lower Upper

75 100

53 98.3 90.1 135.1

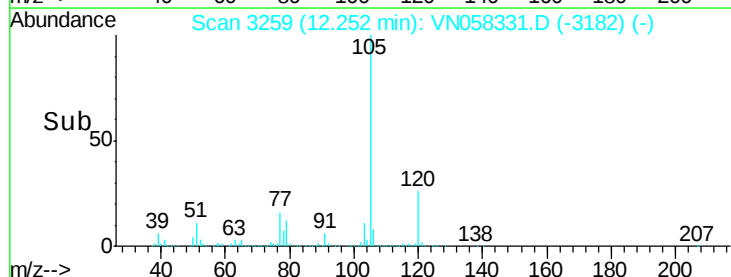
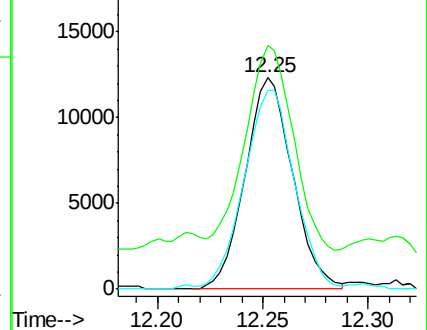
89 100.5 36.2 54.2#

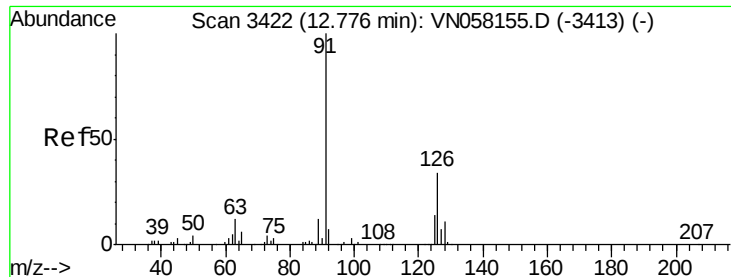


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 141.548 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.18 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

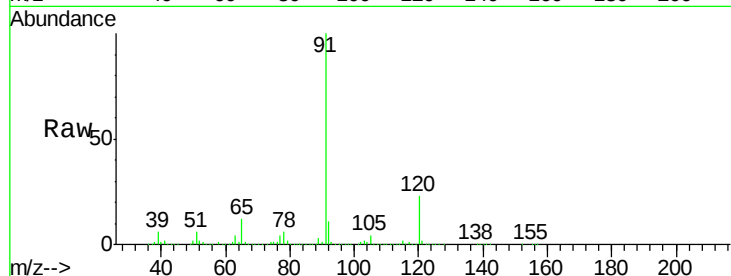
ClientSampled :

Tot Ion: 91 Resp: 2237664

Ion Ratio Lower Upper

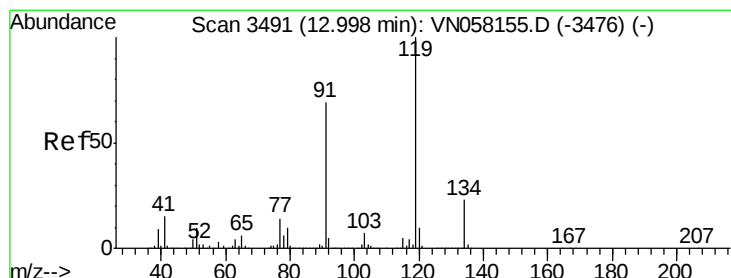
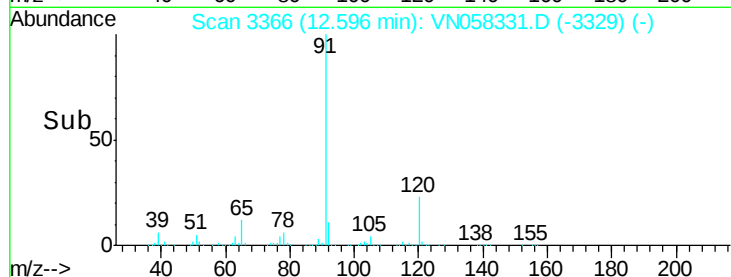
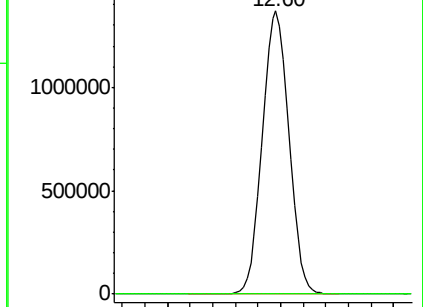
91 100

126 0.0 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3413) (-)



#83

tert-Butylbenzene

Concen: 2.405 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

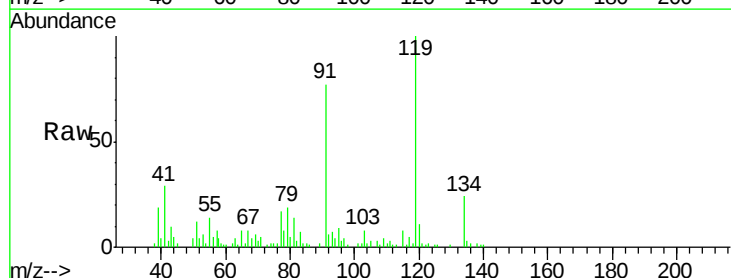
Tgt Ion: 119 Resp: 38398

Ion Ratio Lower Upper

119 100

91 75.8 33.8 101.3

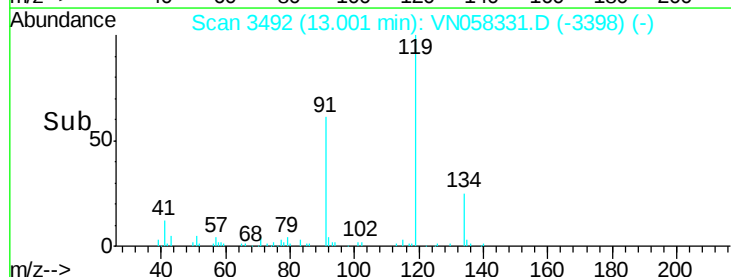
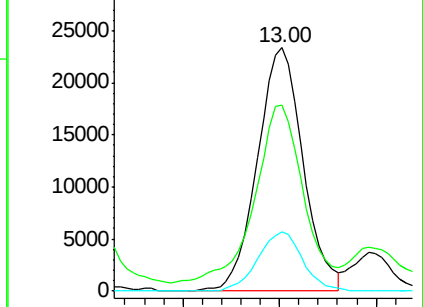
134 23.7 11.6 34.8

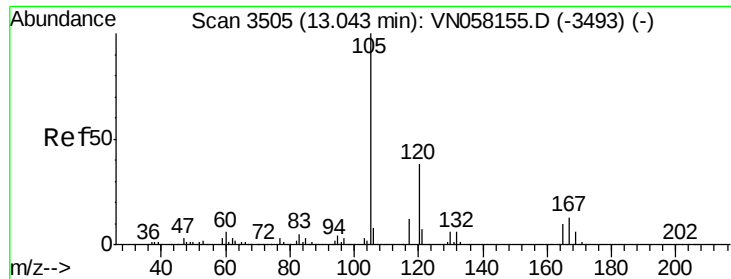


Abundance Ion 119.00 (118.70 to 119.70): VN058155.D (-3476) (-)

Ion 91.00 (90.70 to 91.70): VN058155.D (-3476) (-)

Ion 134.00 (133.70 to 134.70): VN058155.D (-3476) (-)





#84

1,2,4-Trimethylbenzene

Concen: 2.464 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

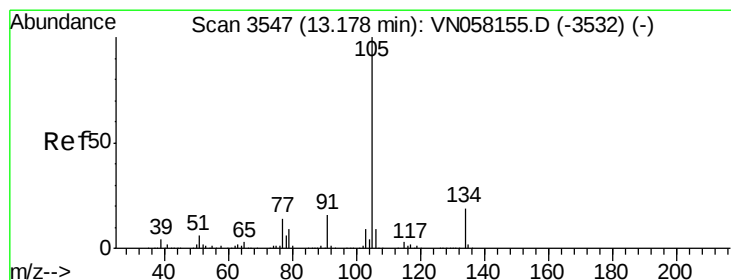
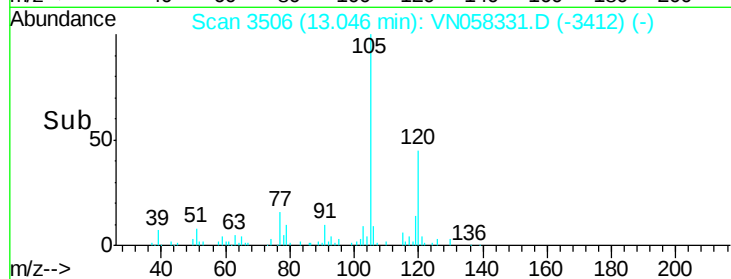
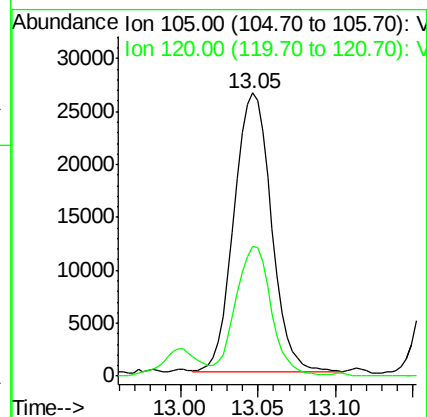
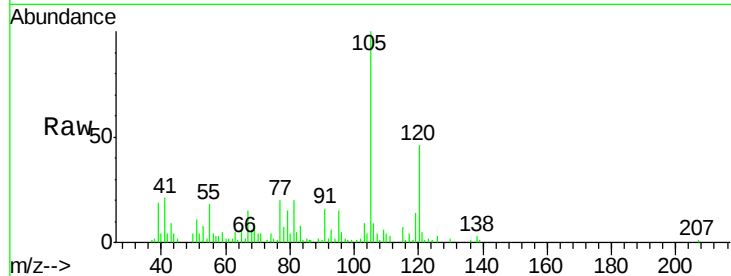
ClientSampleId :

Tot Ion:105 Resp: 43907

Ion Ratio Lower Upper

105 100

120 43.2 22.1 66.5



#85

sec-Butylbenzene

Concen: 7.433 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058331.D

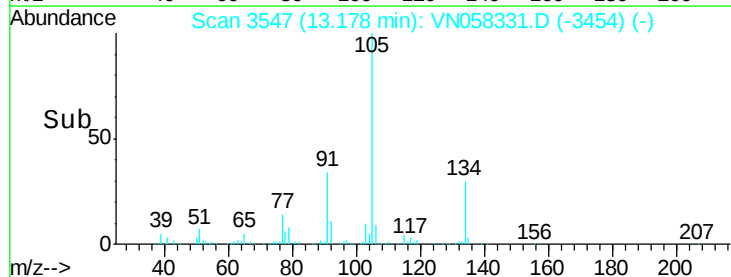
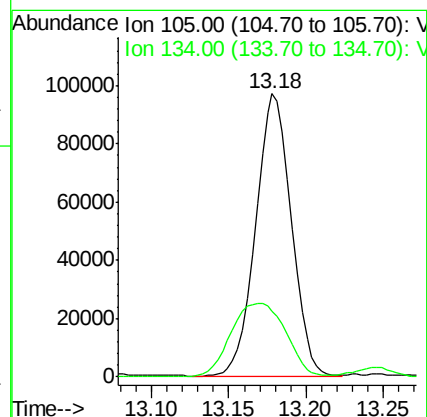
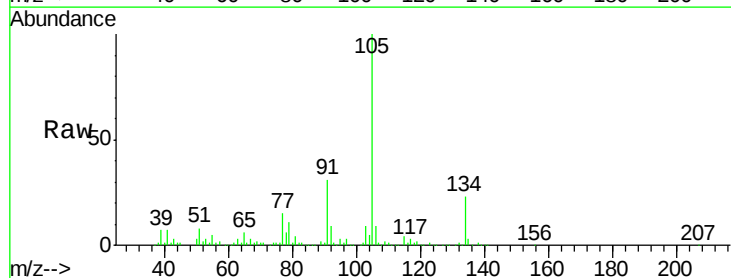
Acq: 24 Sep 2019 6:40

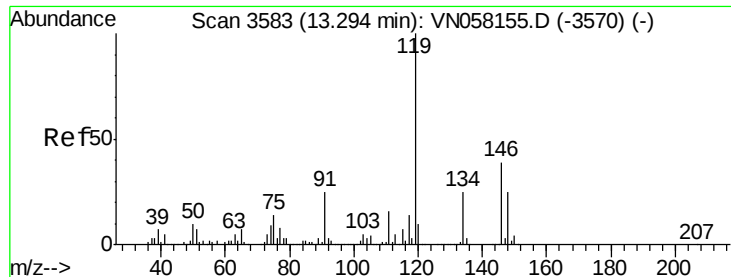
Tgt Ion:105 Resp: 155227

Ion Ratio Lower Upper

105 100

134 40.0 9.5 28.5#

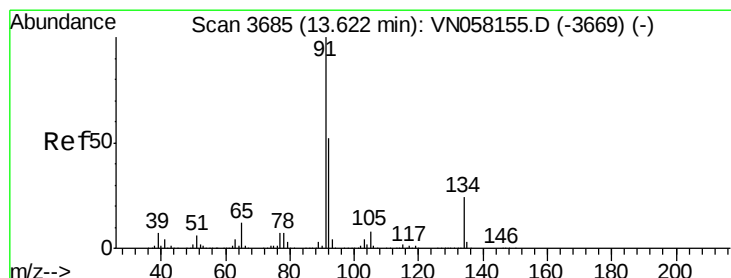
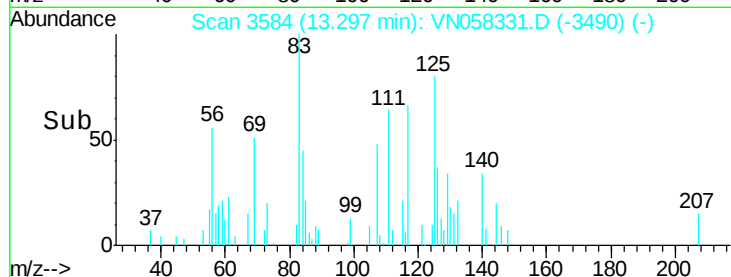
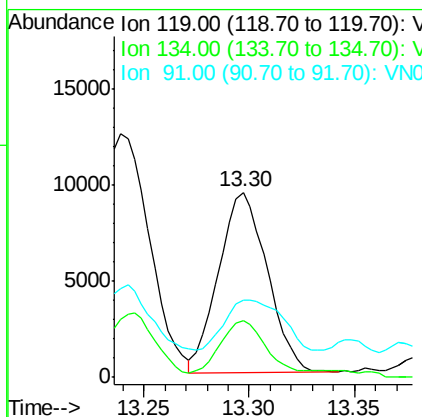
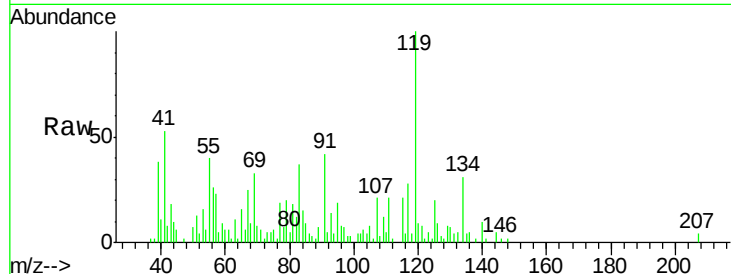




#86
p-Isopropyltoluene
Concen: 0.812 ug/l
RT: 13.30 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

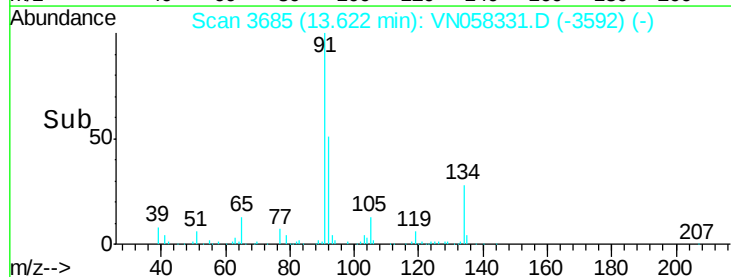
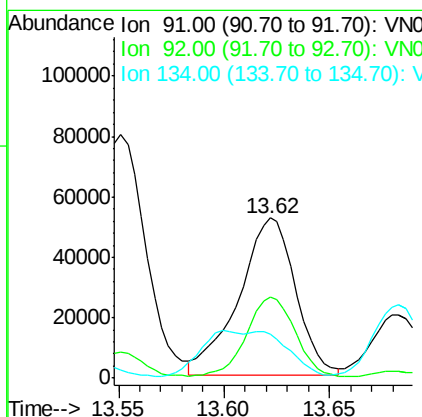
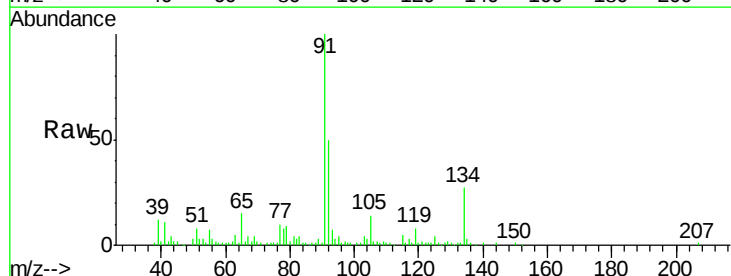
Instrument :
MSVOA_N
ClientSampleId :

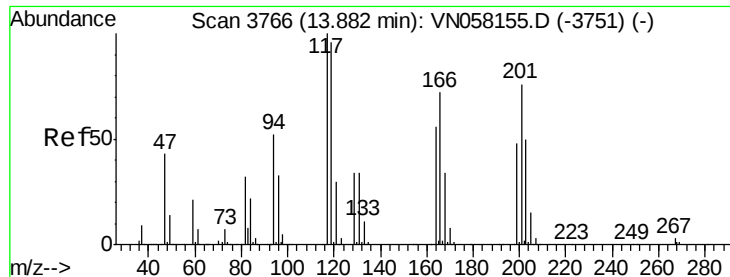
Tot Ion:119 Resp: 15075
Ion Ratio Lower Upper
119 100
134 25.7 12.7 38.0
91 32.4 12.3 36.8



#89
n-Butylbenzene
Concen: 5.517 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

Tgt Ion: 91 Resp: 97099
Ion Ratio Lower Upper
91 100
92 44.8 25.7 77.0
134 0.0 11.8 35.4#





#90

Hexachloroethane

Concen: 14.902 ug/l

RT: 13.90 min Scan# 3770

Delta R.T. 0.01 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

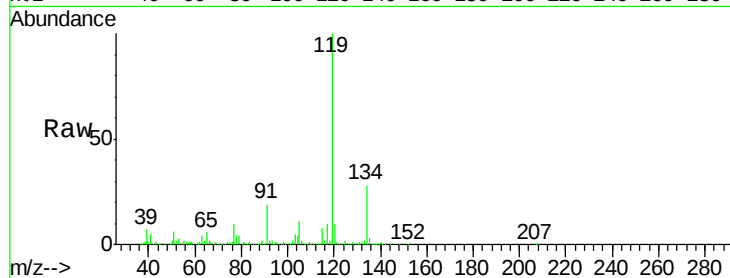
ClientSampled :

Tot Ion:117 Resp: 41677

Ion Ratio Lower Upper

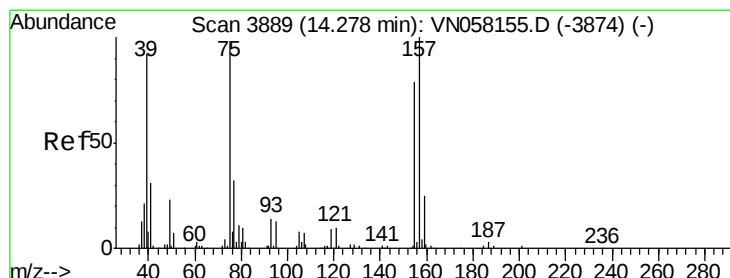
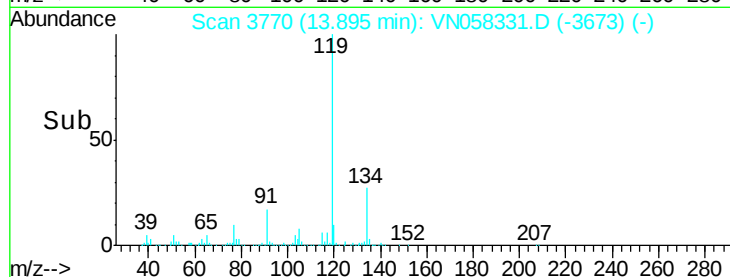
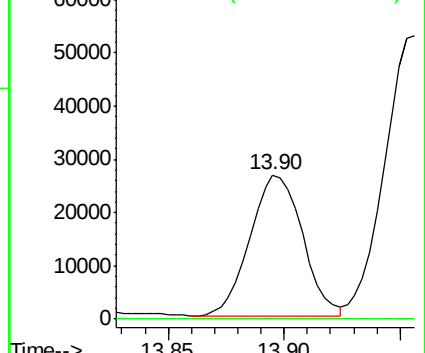
117 100

201 0.0 37.5 112.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.471 ug/l

RT: 14.30 min Scan# 3897

Delta R.T. 0.03 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

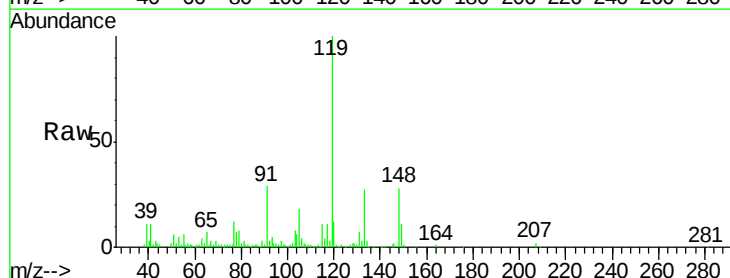
Tgt Ion: 75 Resp: 601

Ion Ratio Lower Upper

75 100

155 18.0 38.3 114.8#

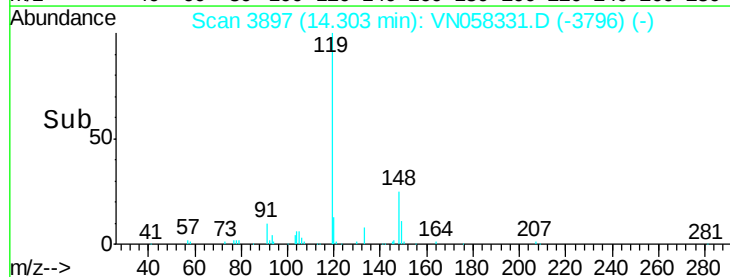
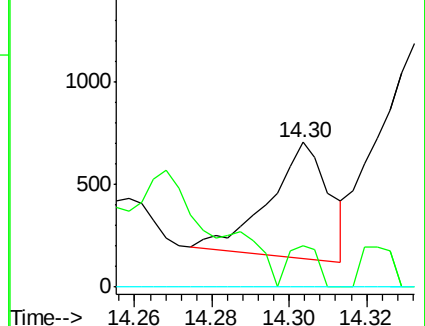
157 0.0 48.0 144.0#

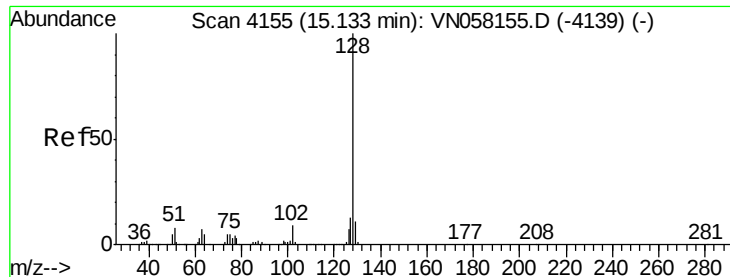


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 5.983 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

ClientSampleId :

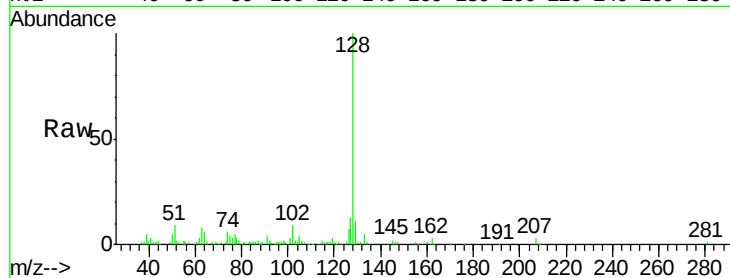
Tot Ion:128 Resp: 96687

Ion Ratio Lower Upper

128 100

127 14.1 10.2 15.2

129 8.3 8.6 12.8#



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

