

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 :
 TWP-7

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

33) 1,2-Dichloroethane-d4	8.01	65	380423	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
35) Dibromofluoromethane	7.57	113	269598	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	10.08	98	1146888	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
62) 4-Bromofluorobenzene	12.41	95	391774	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds

					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

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

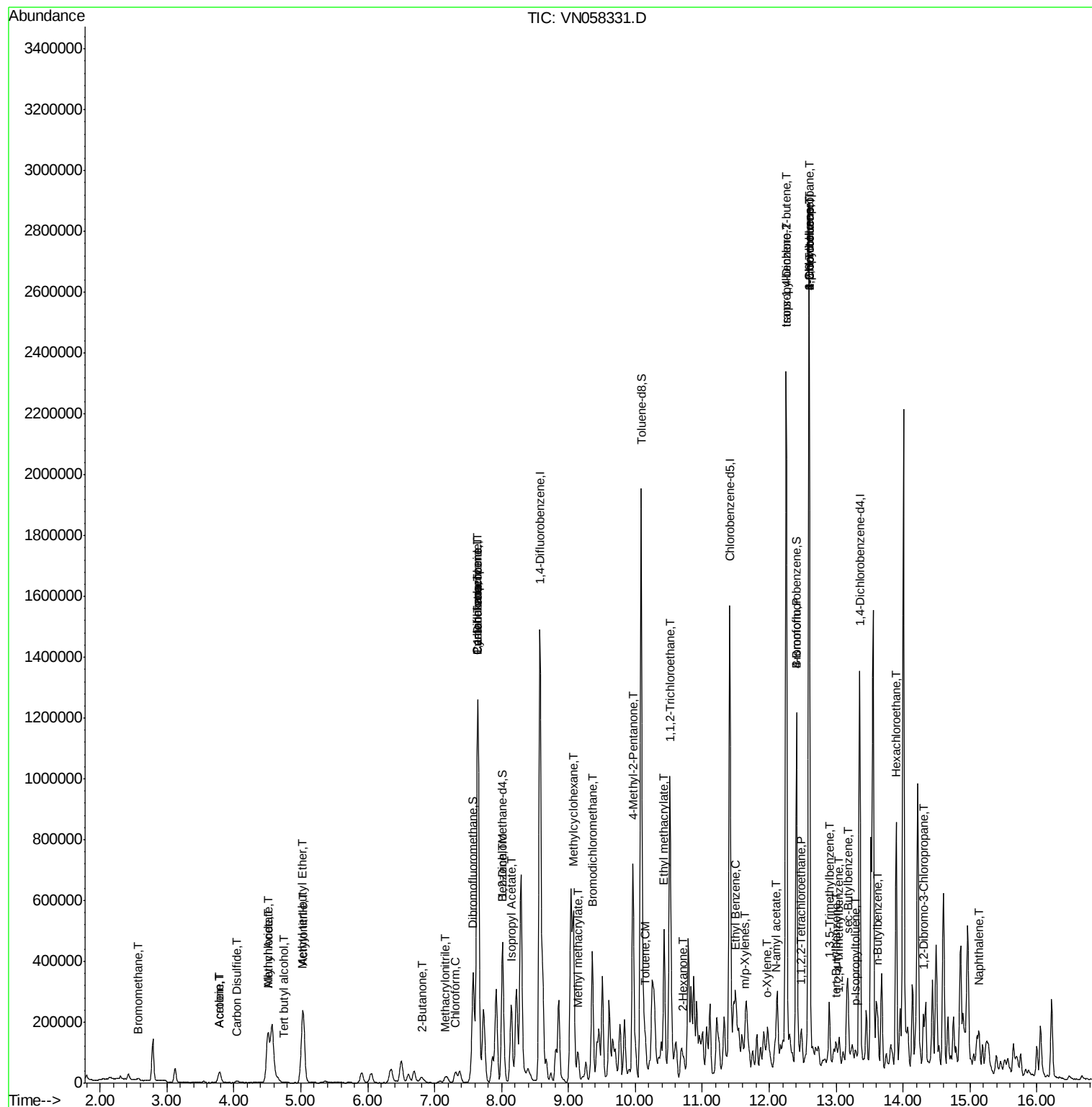
75) 1,1,2,2-Tetrachloroethane	12.48	83	3310	0.467	ug/l #	36
76) 1,2,3-Trichloropropane	12.60	75	16095	2.658	ug/l #	100
78) n-propylbenzene	12.60	91	2237664	92.989	ug/l	99
79) 2-Chlorotoluene	12.60	91	2237664	148.791	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.90	105	146879	8.202	ug/l	75
81) trans-1,4-Dichloro-2-buten	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

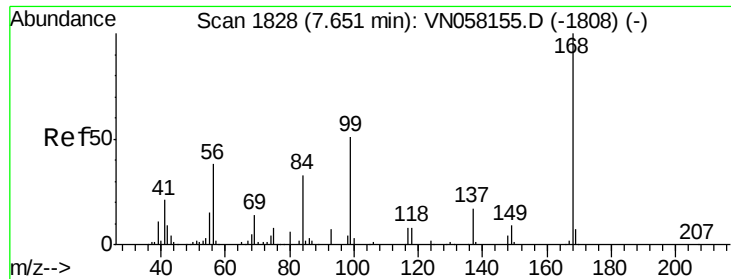
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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

ClientSampleId :

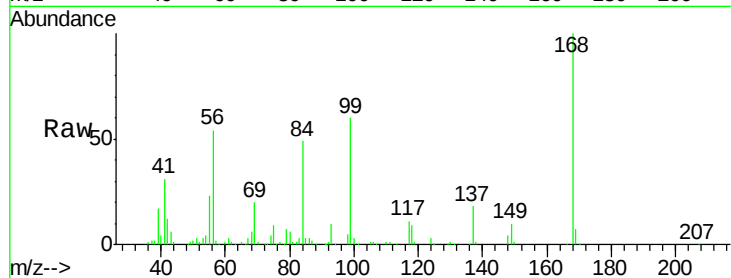
TWP-7

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

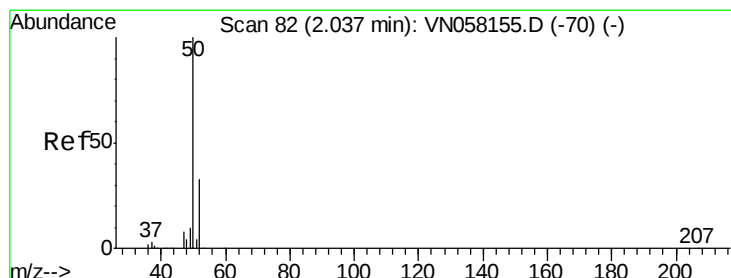
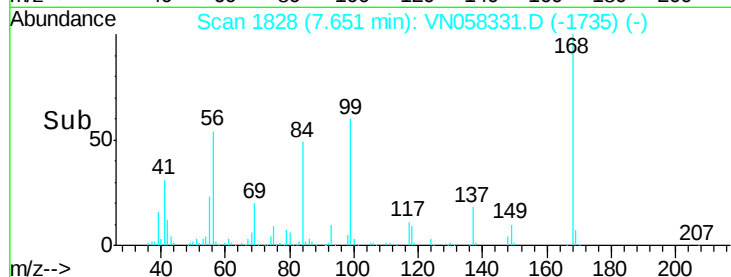
150000

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

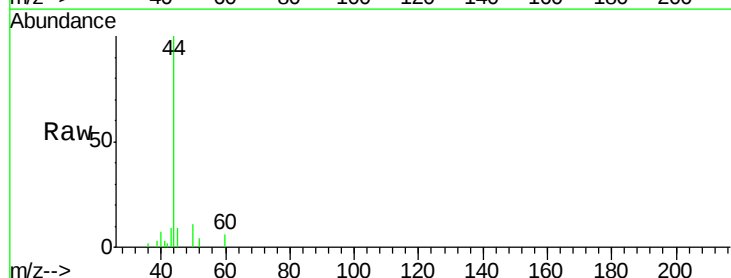
Acq: 24 Sep 2019 6:40

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

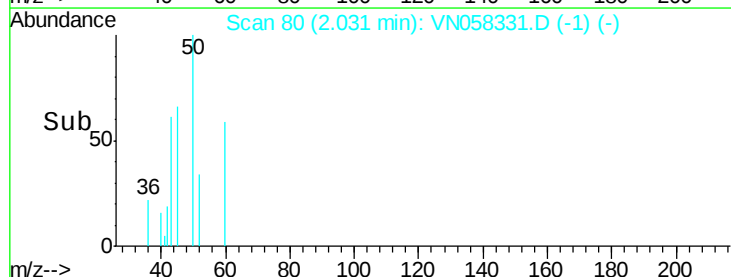
600

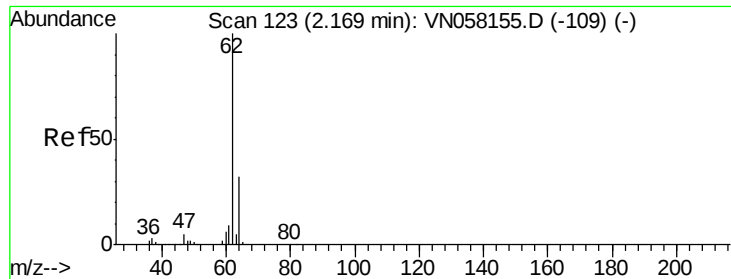
400

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 :

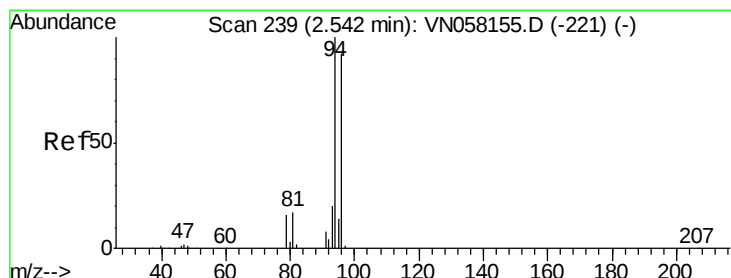
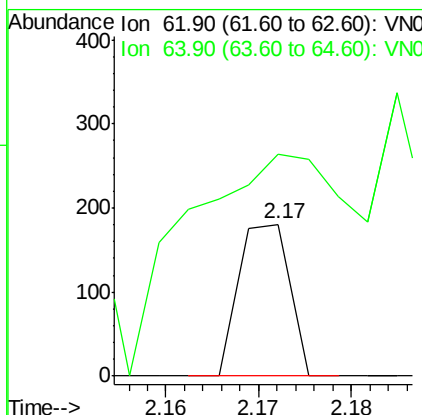
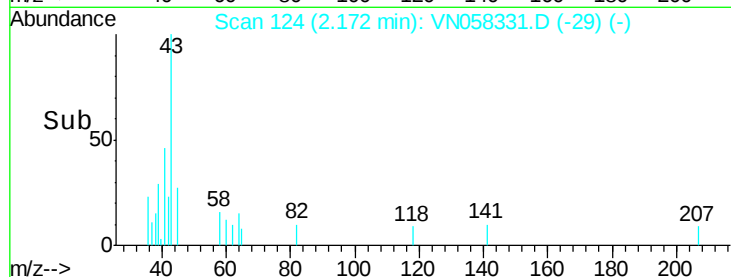
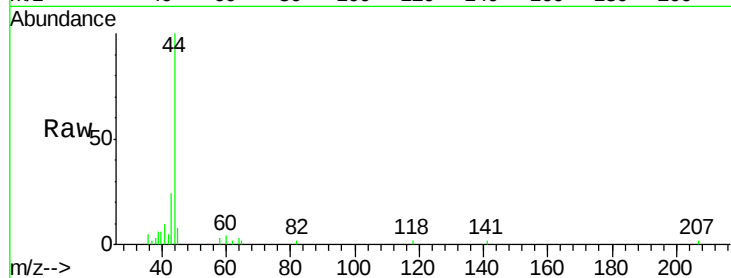
TWP-7

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

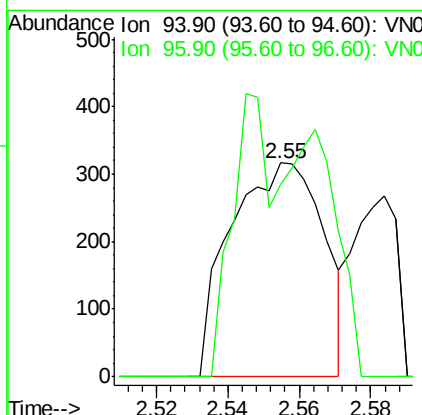
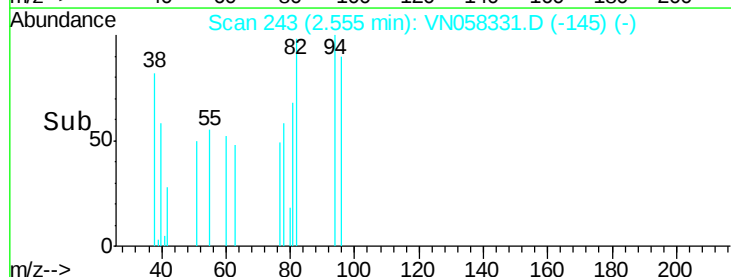
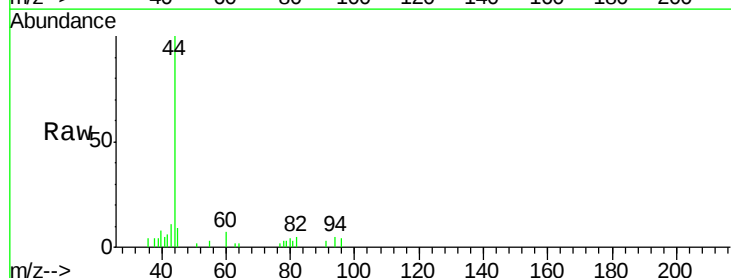
Acq: 24 Sep 2019 6:40

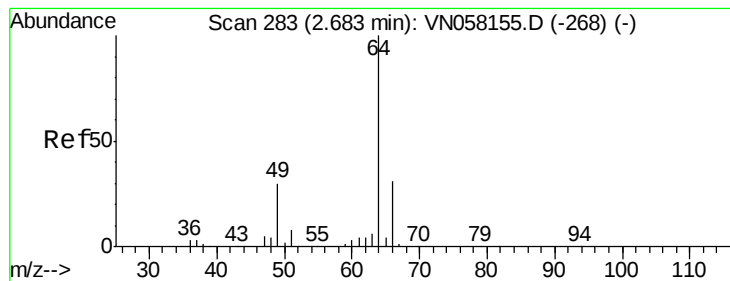
Tgt Ion: 94 Resp: 570

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

ClientSampleId :

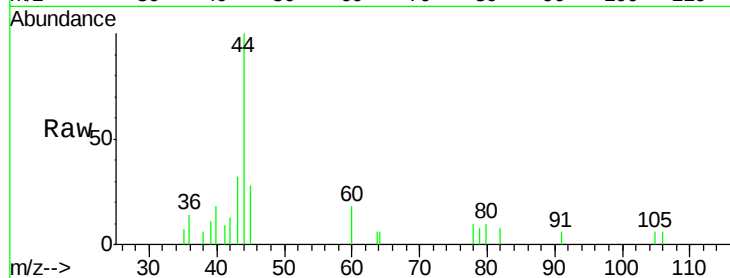
TWP-7

Tot Ion: 64 Resp: 497

Ion Ratio Lower Upper

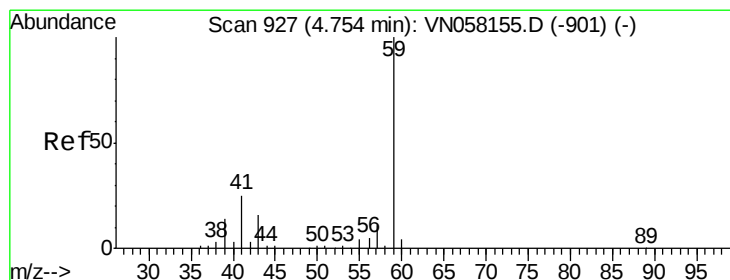
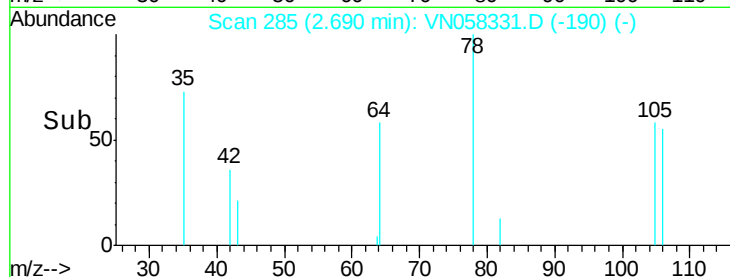
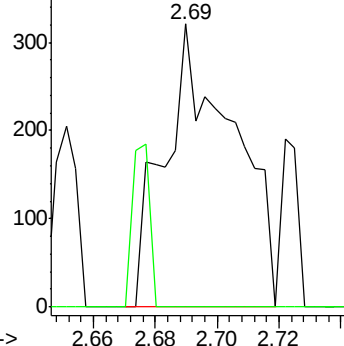
64 100

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

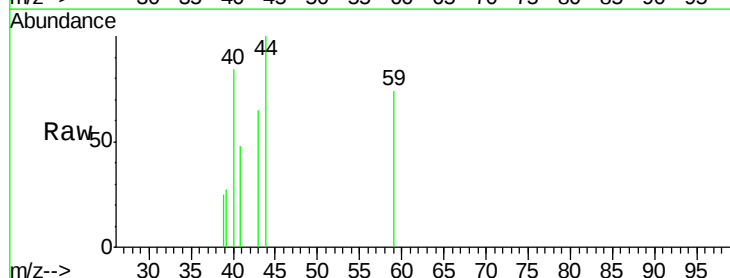
Acq: 24 Sep 2019 6:40

Tgt Ion: 59 Resp: 393

Ion Ratio Lower Upper

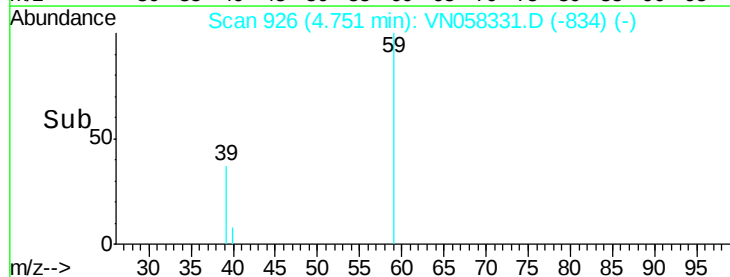
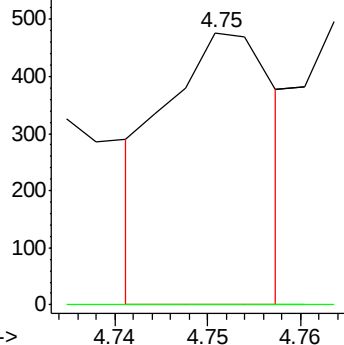
59 100

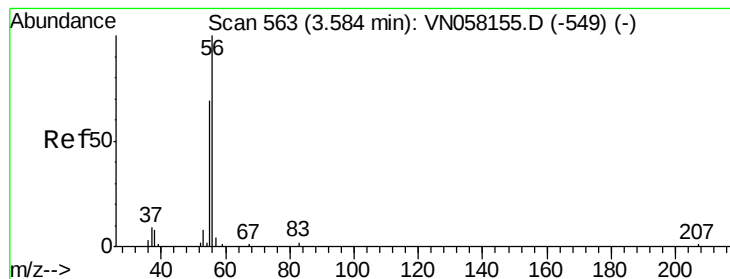
57 0.0 8.6 13.0#



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 :

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ClientSampleId :

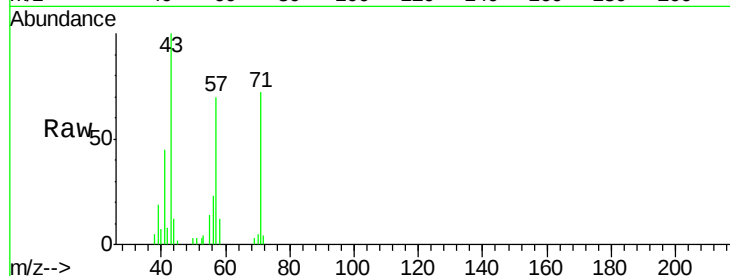
TWP-7

Tot Ion: 56 Resp: 5885

Ion Ratio Lower Upper

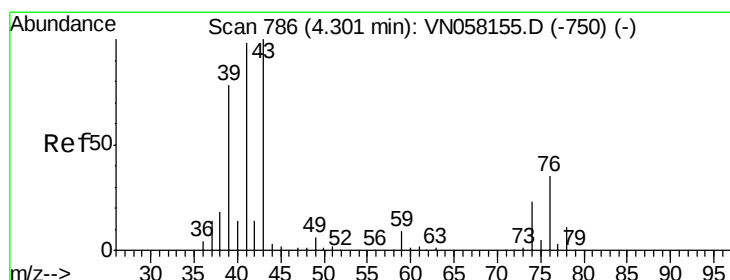
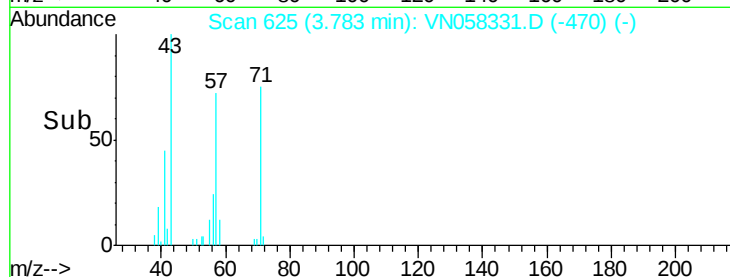
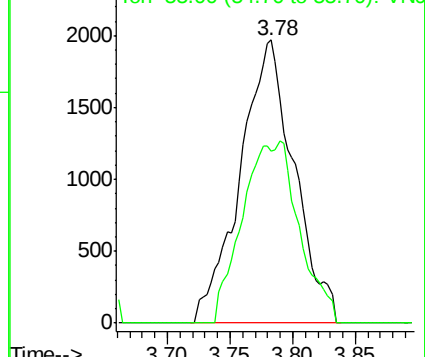
56 100

55 36.3 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#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

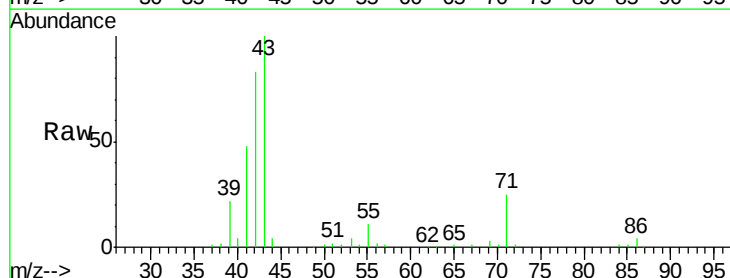
Tgt Ion: 41 Resp: 73682

Ion Ratio Lower Upper

41 100

39 53.7 59.1 88.7#

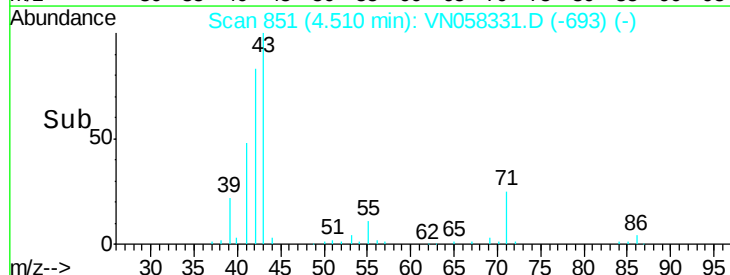
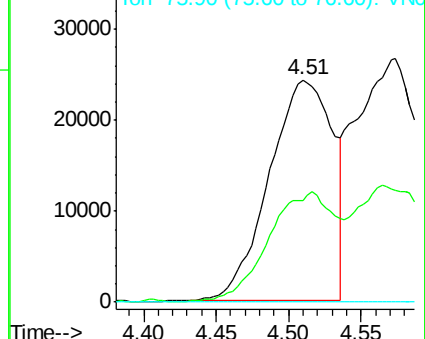
76 0.0 25.1 37.7#

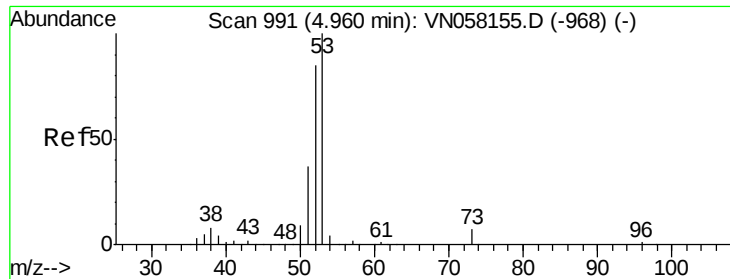


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 4.197 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. 0.07 min

Lab File: VN058331.D

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TWP-7

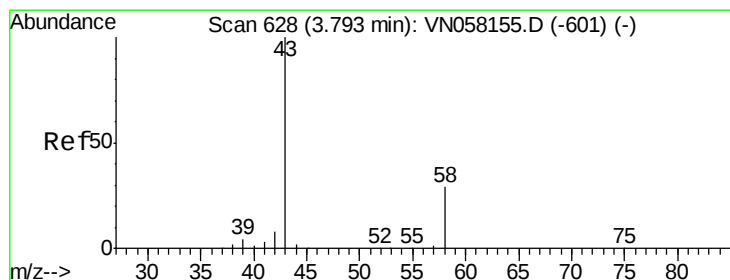
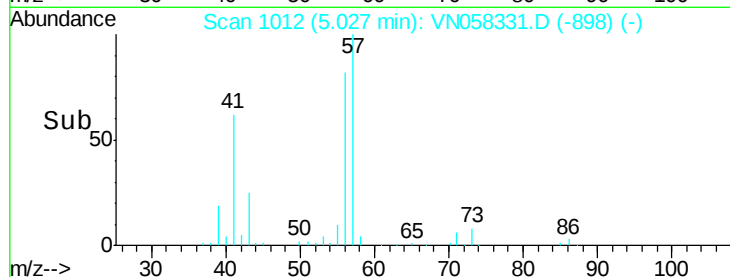
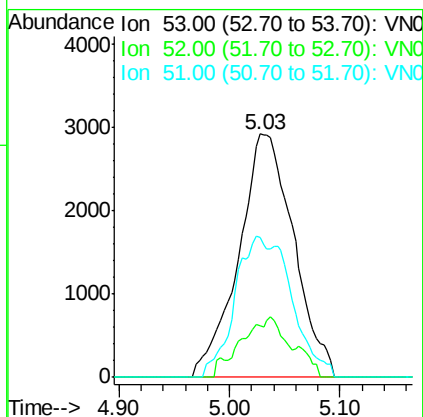
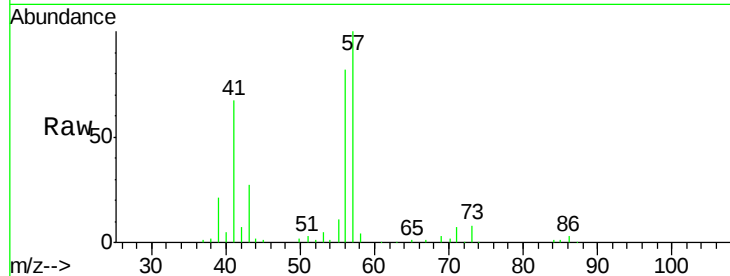
Tot Ion: 53 Resp: 10112

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

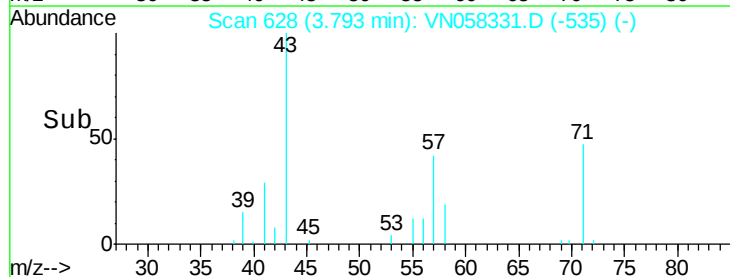
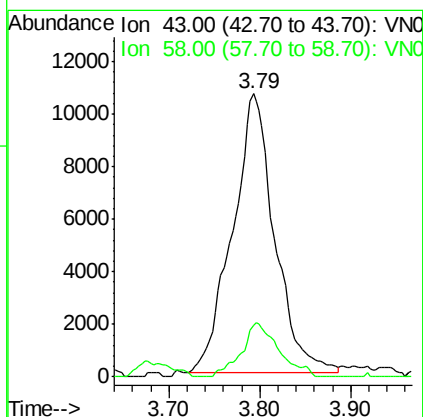
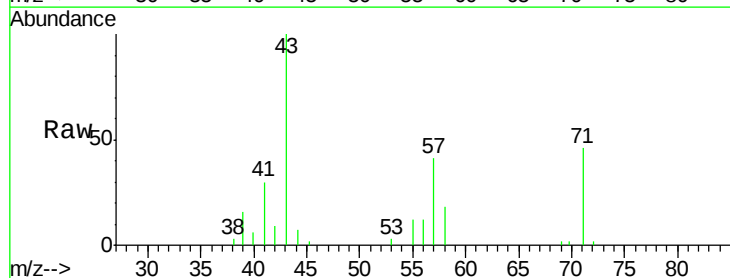
Acq: 24 Sep 2019 6:40

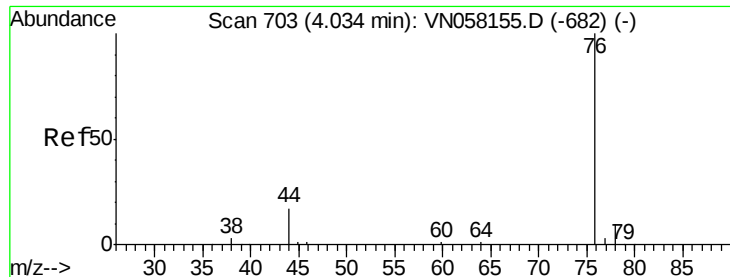
Tgt Ion: 43 Resp: 34192

Ion Ratio Lower Upper

43 100

58 18.7 23.4 35.2#

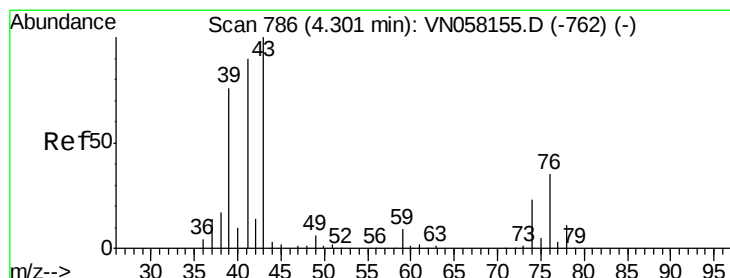
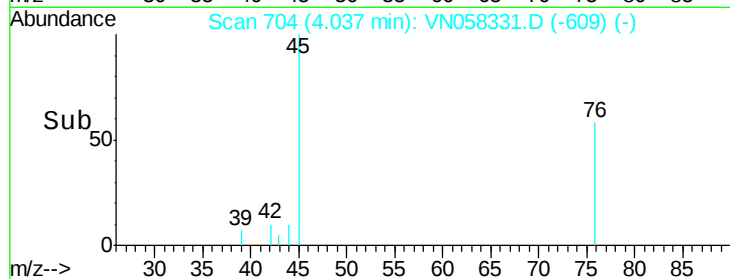
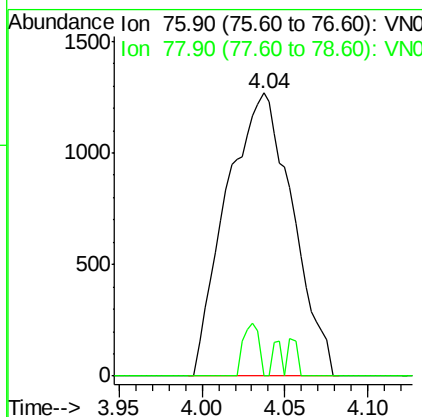
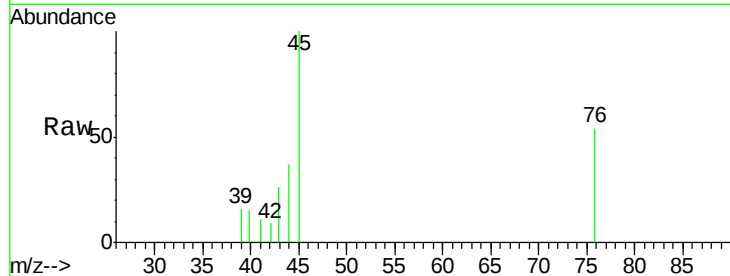




#17
Carbon Disulfide
Concen: 1.011 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

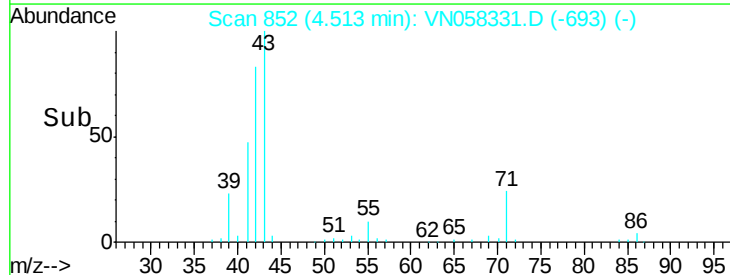
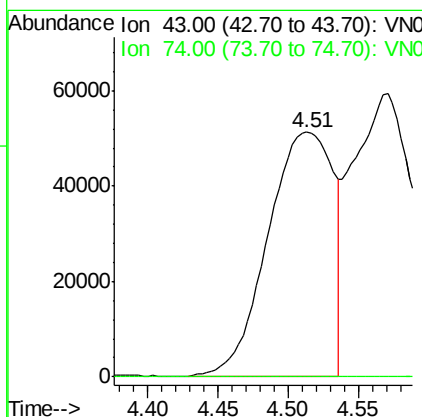
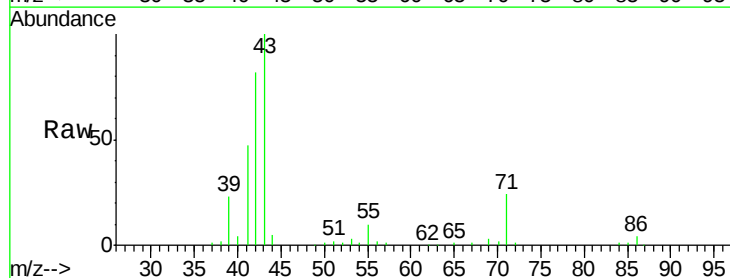
Instrument :
MSVOA_N
ClientSampled :
TWP-7

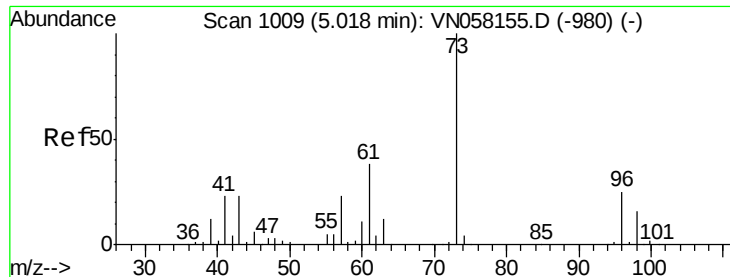
Tot Ion: 76 Resp: 3507
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#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#

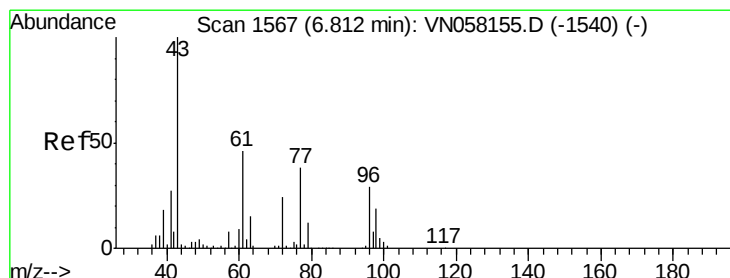
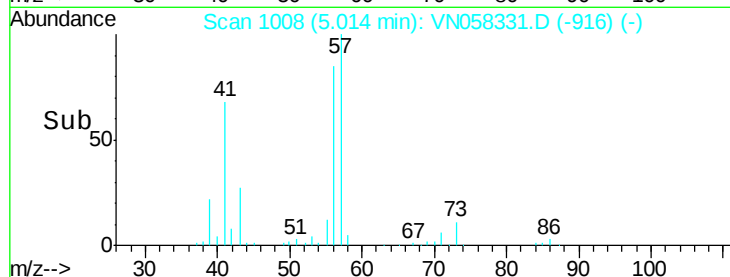
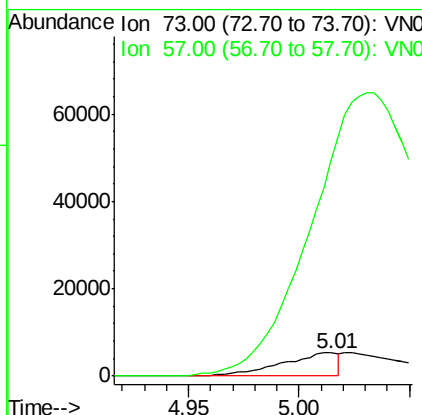
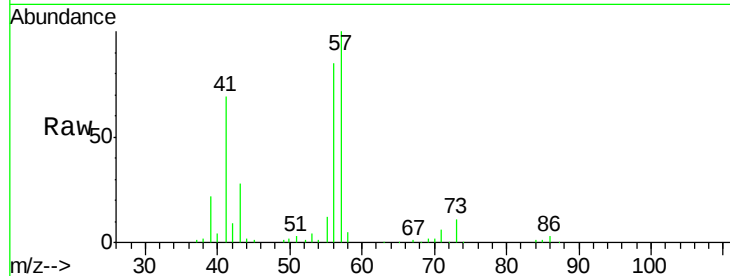




#19
Methvl tert-butvl Ether
Concen: 0.582 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

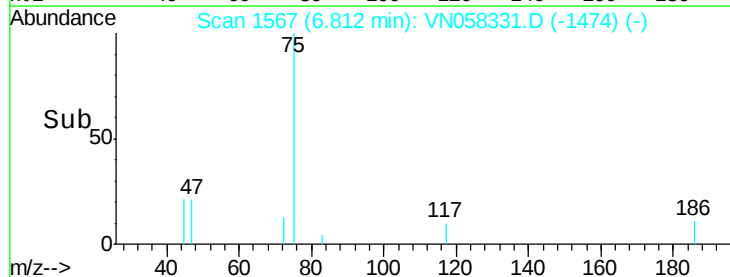
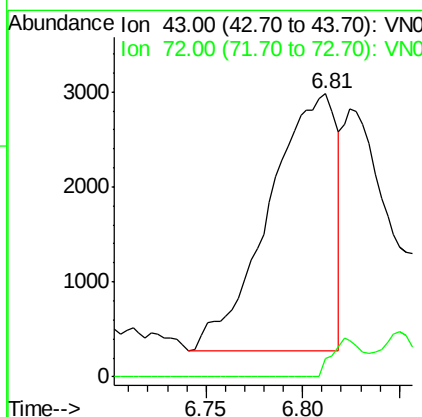
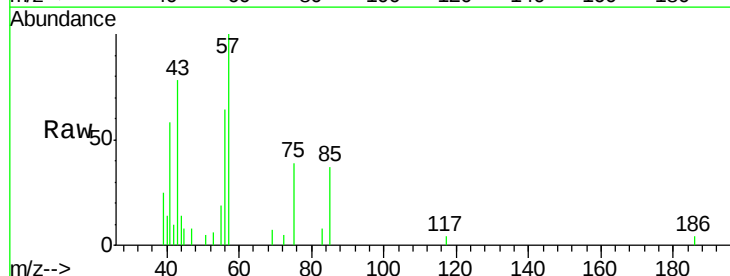
Instrument :
MSVOA_N
ClientSampled :
TWP-7

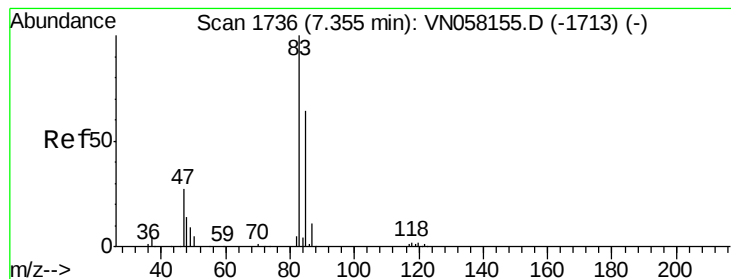
Tot Ion: 73 Resp: 9690
Ion Ratio Lower Upper
73 100
57 913.6 18.1 27.1#



#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 :

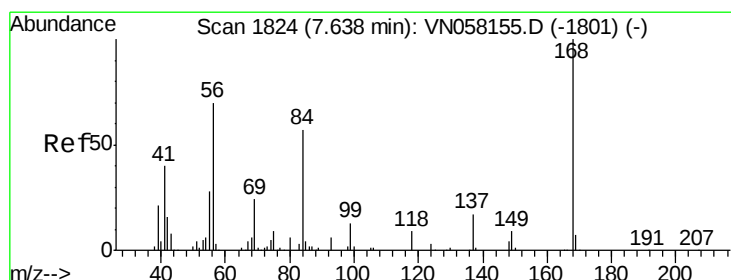
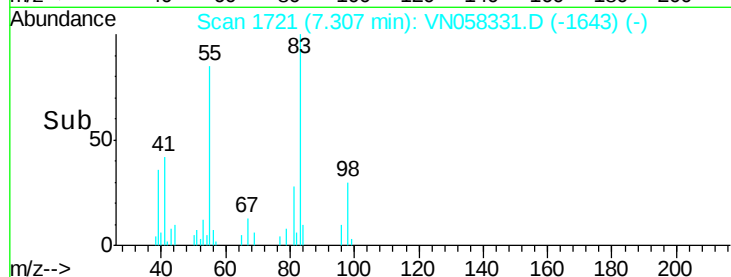
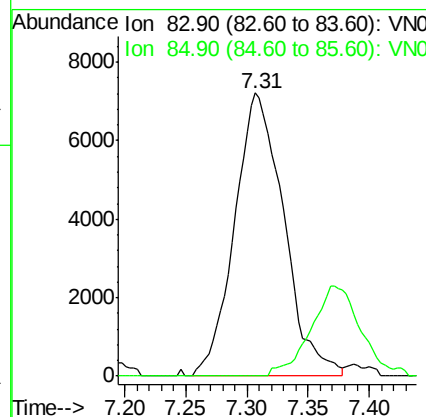
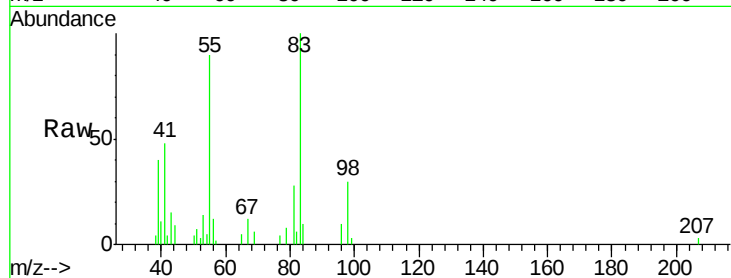
TWP-7

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

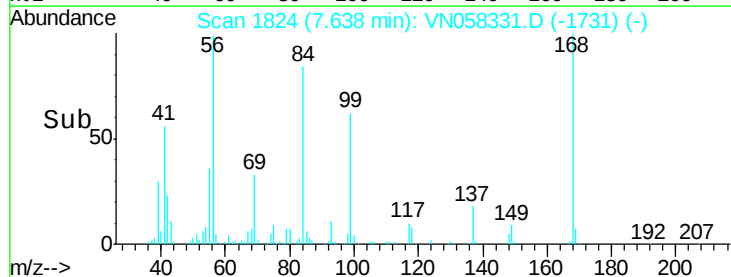
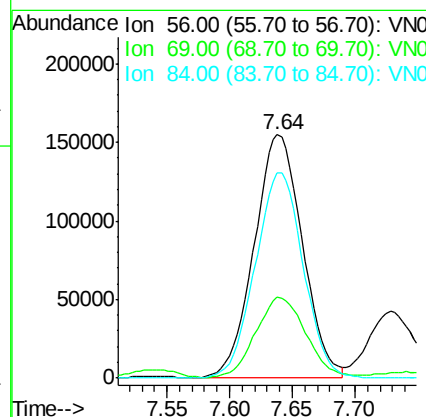
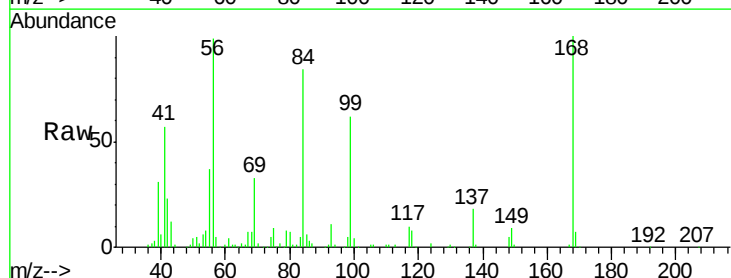
Tgt Ion: 56 Resp: 411910

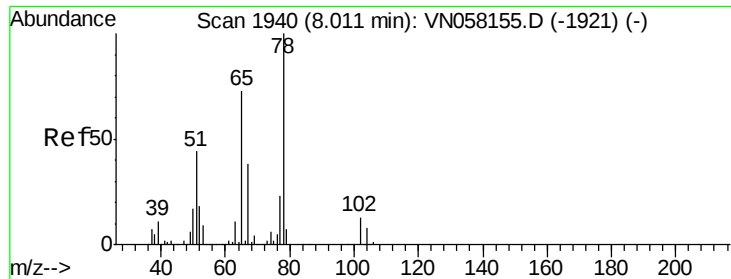
Ion Ratio Lower Upper

56 100

69 32.4 27.3 40.9

84 84.3 65.0 97.4

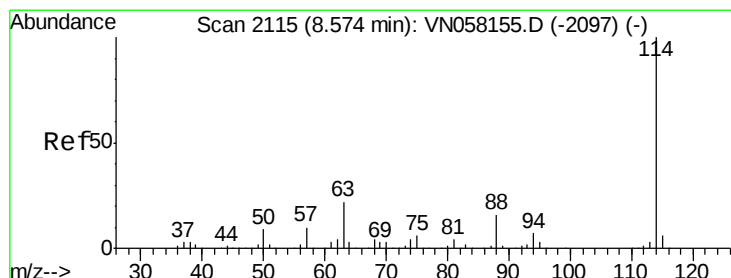
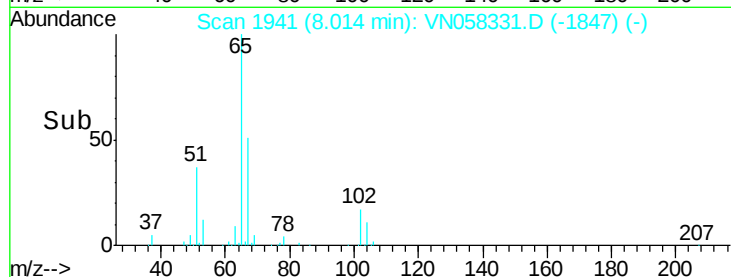
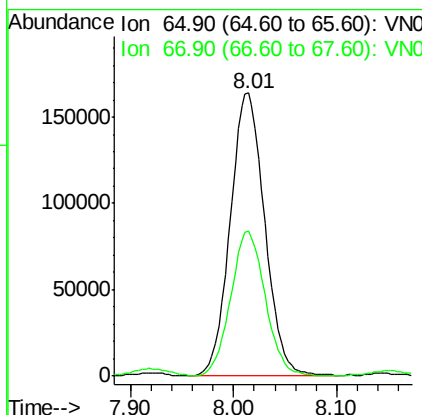
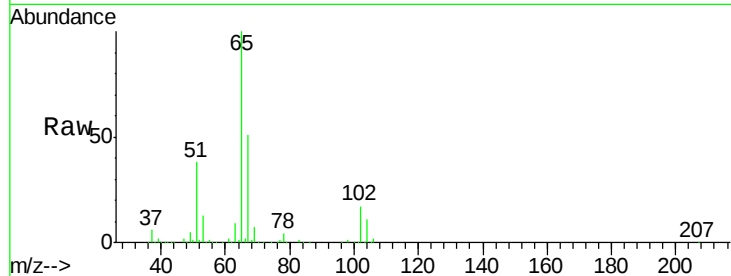




#33
 1,2-Dichloroethane-d4
 Concen: 50.046 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058331.D
 Acq: 24 Sep 2019 6:40

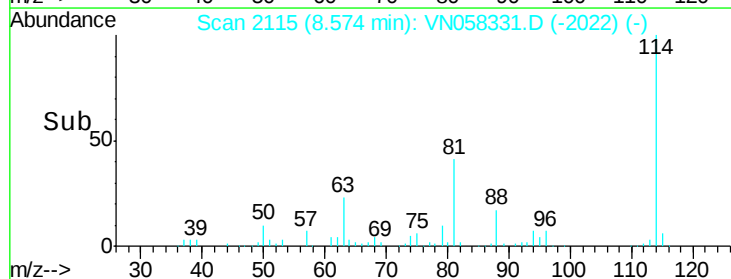
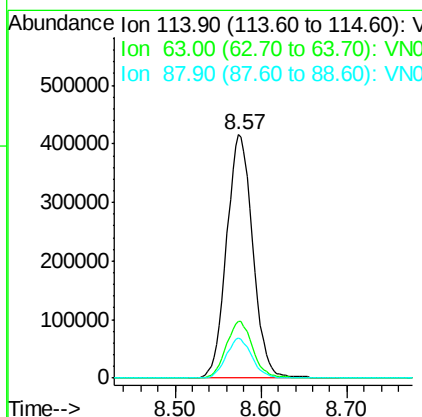
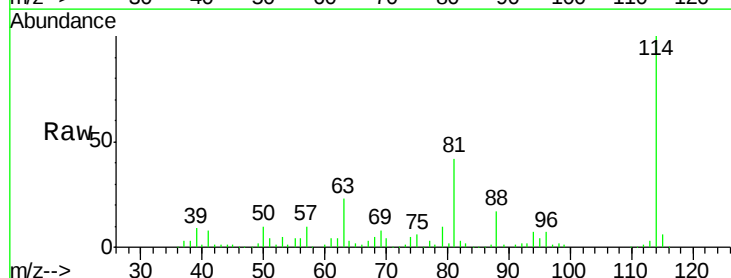
Instrument :
 MSVOA_N
 ClientSampled :
 TWP-7

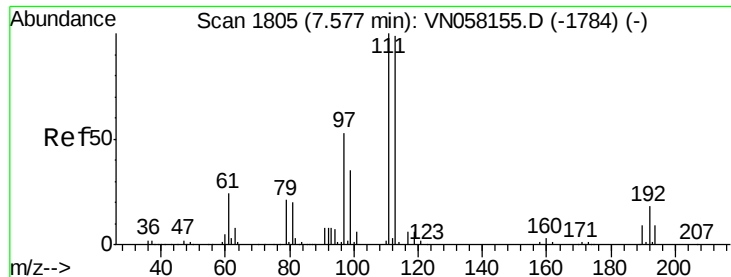
Tot Ion: 65 Resp: 380423
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.4



#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

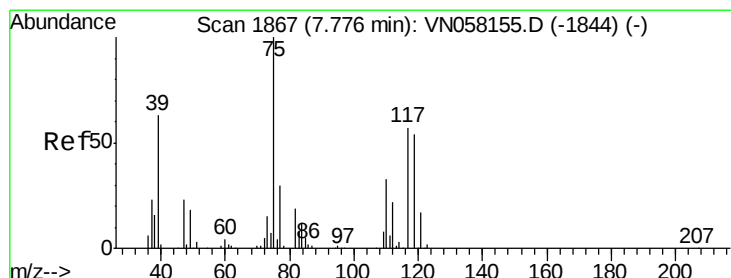
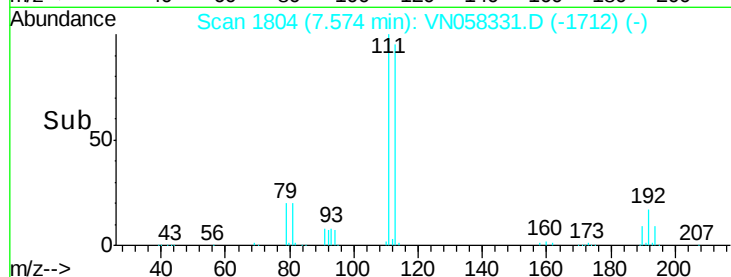
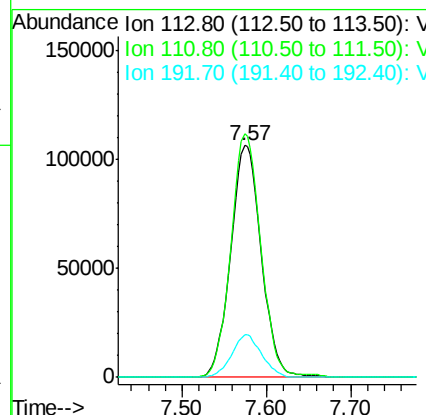
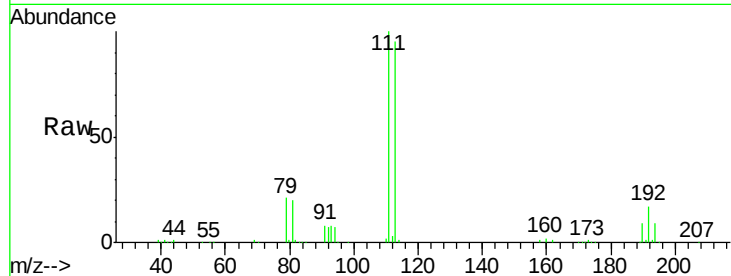




#35
 Dibromofluoromethane
 Concen: 50.544 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058331.D
 Acq: 24 Sep 2019 6:40

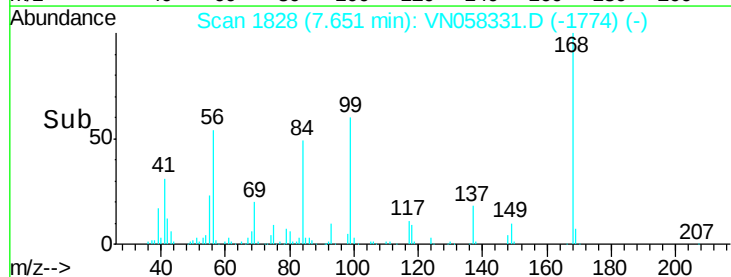
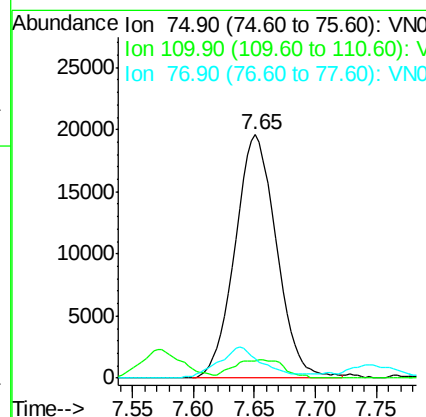
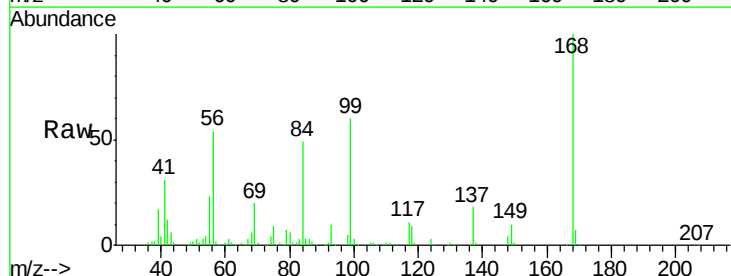
Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-7

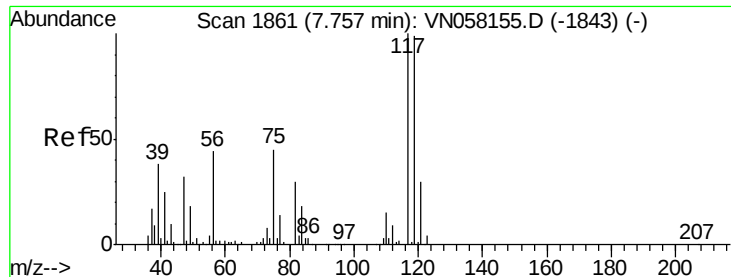
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	18.0	14.5	21.7



#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	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

ClientSampleId :

TWP-7

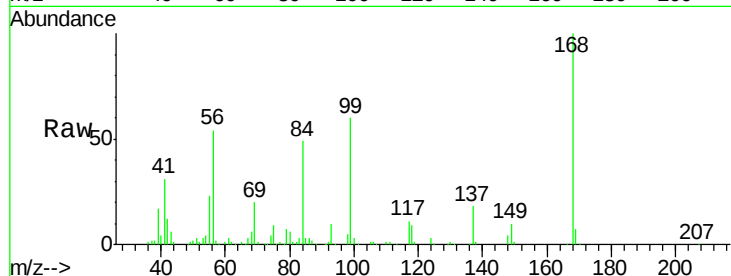
Tot Ion:117 Resp: 56460

Ion Ratio Lower Upper

117 100

119 4.8 78.6 117.8#

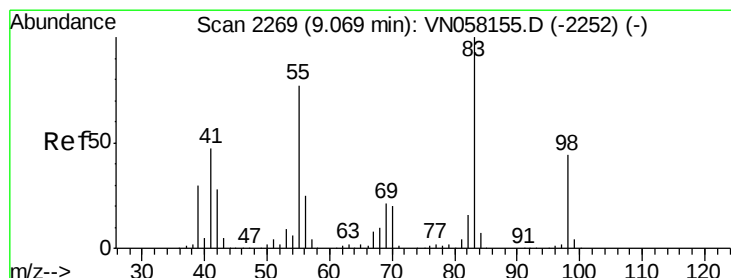
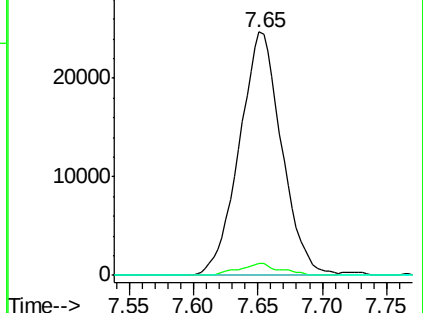
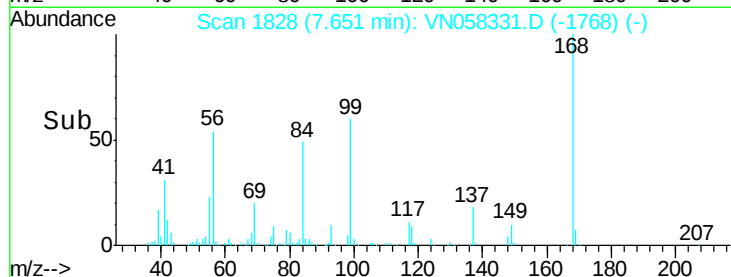
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#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

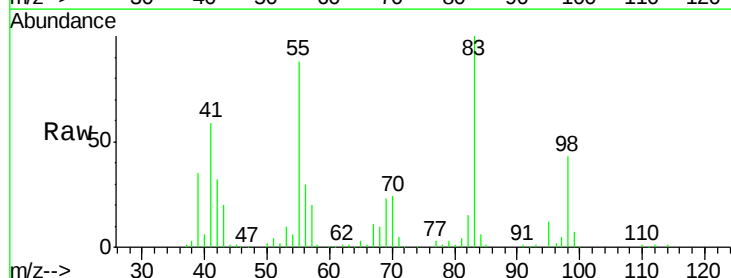
Tgt Ion: 83 Resp: 275627

Ion Ratio Lower Upper

83 100

55 87.8 61.9 92.9

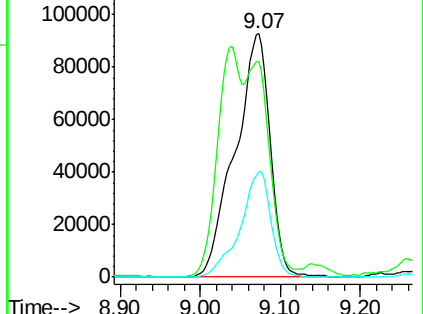
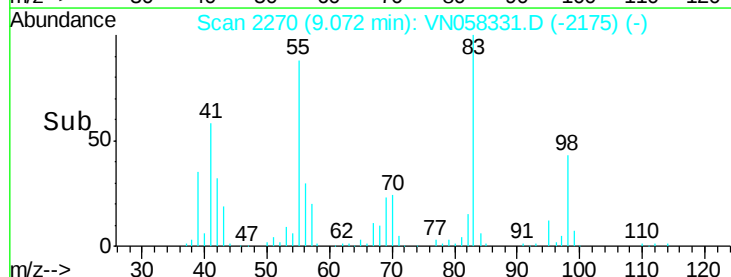
98 43.1 35.4 53.2

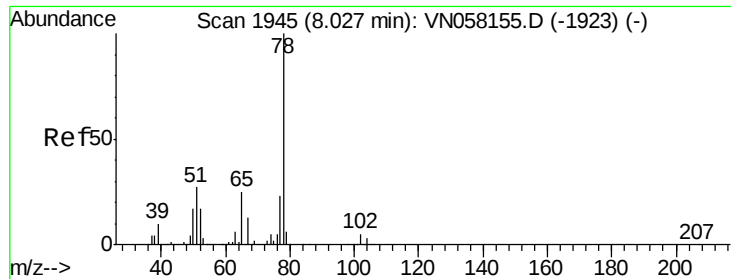


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#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

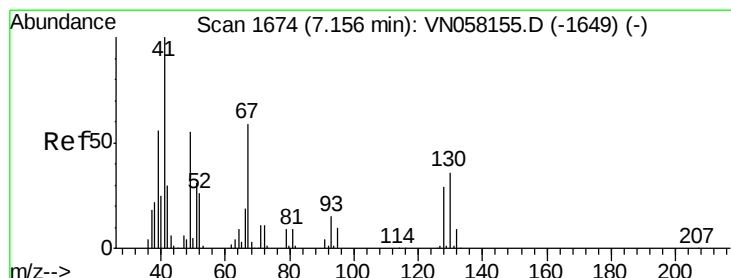
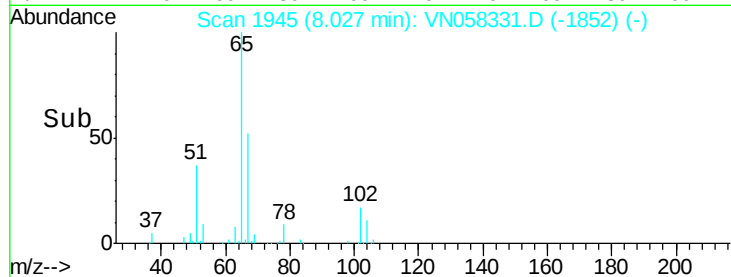
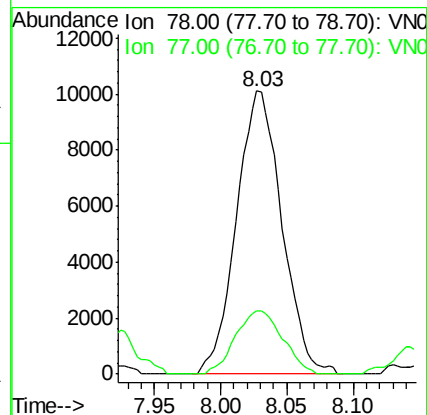
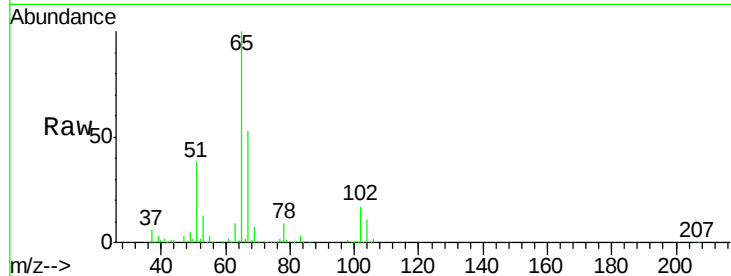
Instrument :
MSVOA_N
ClientSampleId :
TWP-7

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

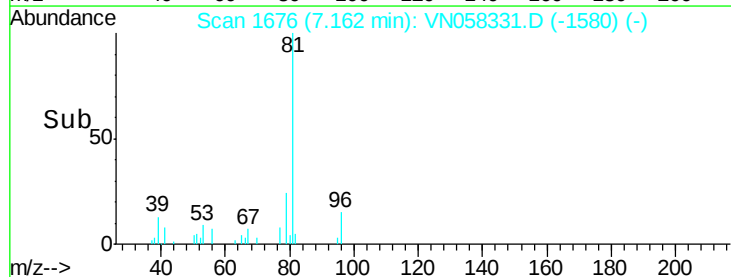
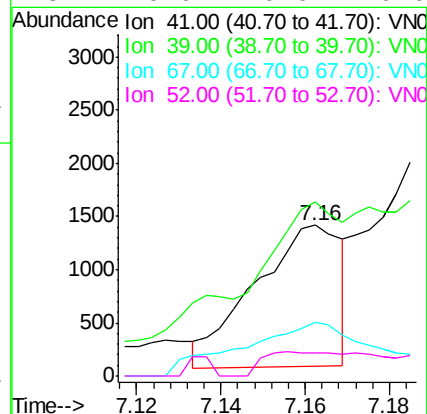
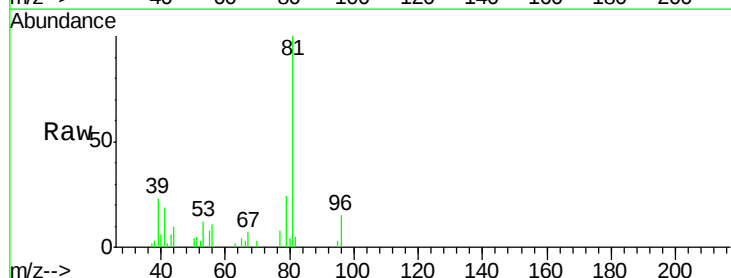
Ion Ratio Lower Upper

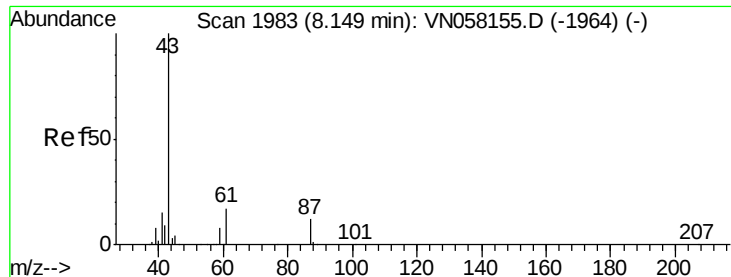
41 100

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 :

TWP-7

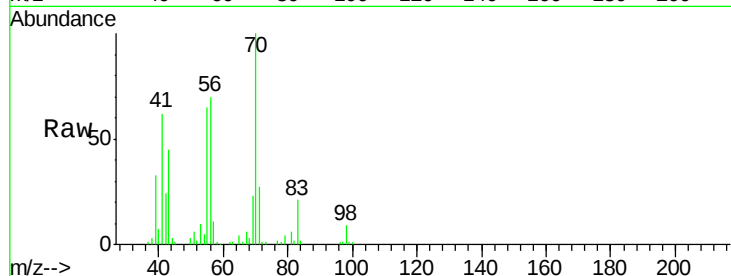
Tot Ion: 43 Resp: 39289

Ion Ratio Lower Upper

43 100

61 0.0 19.7 29.5#

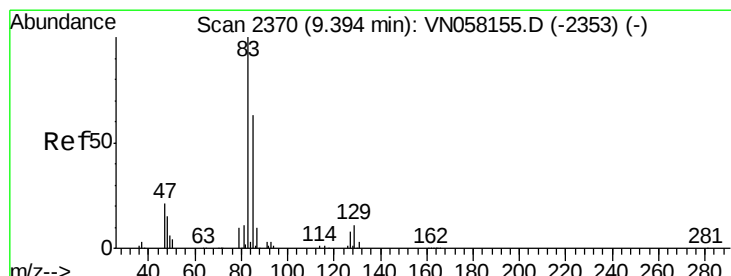
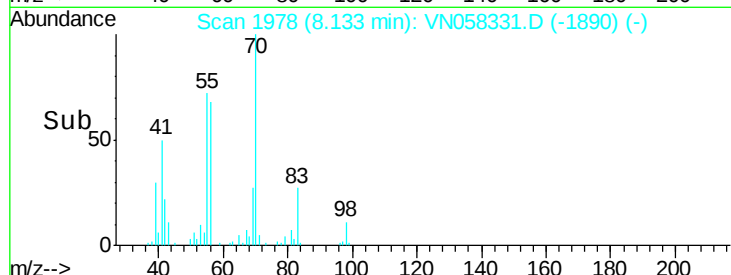
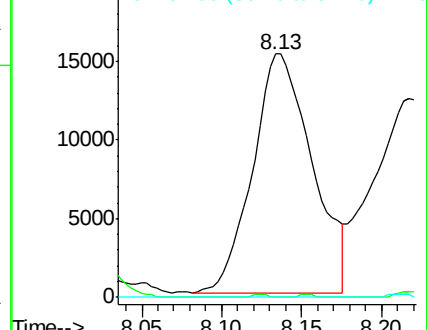
87 0.0 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#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

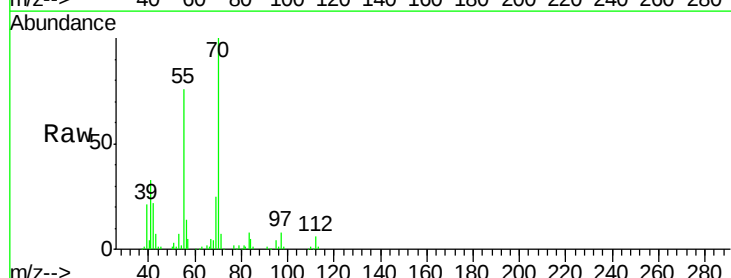
Tgt Ion: 83 Resp: 26308

Ion Ratio Lower Upper

83 100

85 8.0 50.1 75.1#

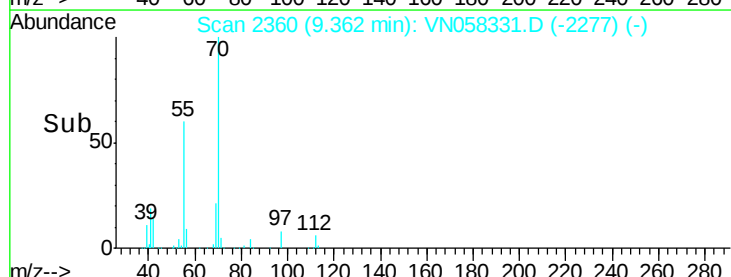
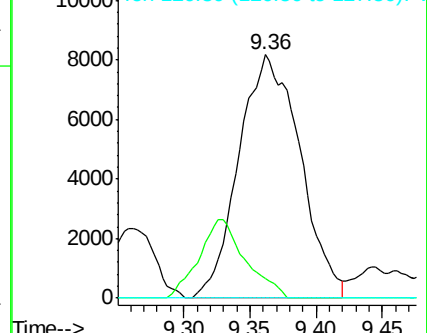
127 0.0 6.4 9.6#

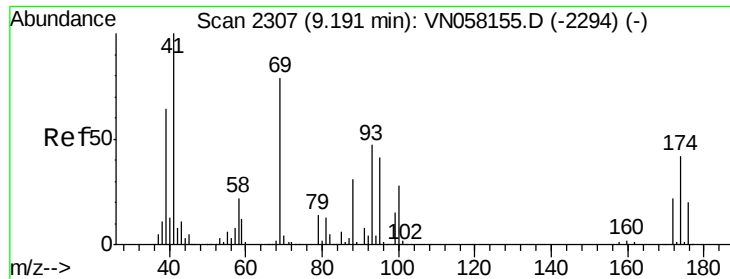


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

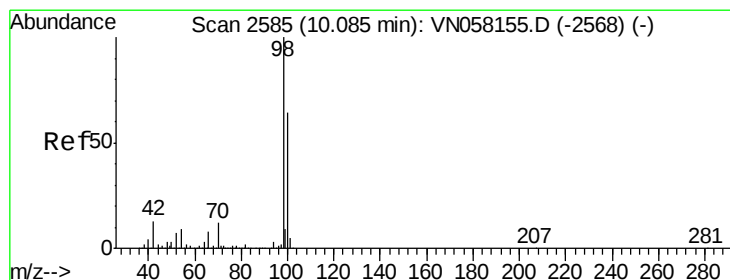
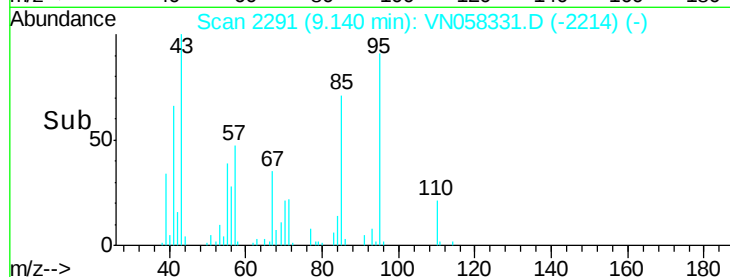
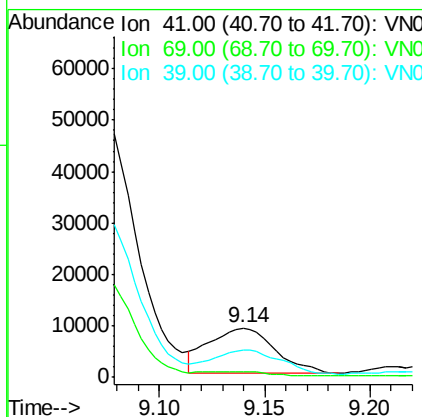
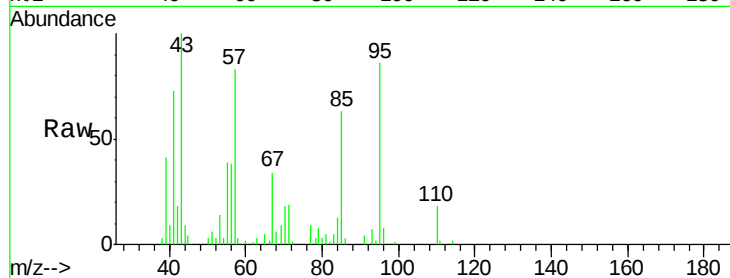




#48
Methvl methacrylate
Concen: 3.432 ug/l
RT: 9.14 min Scan# 2291
Delta R.T. -0.05 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

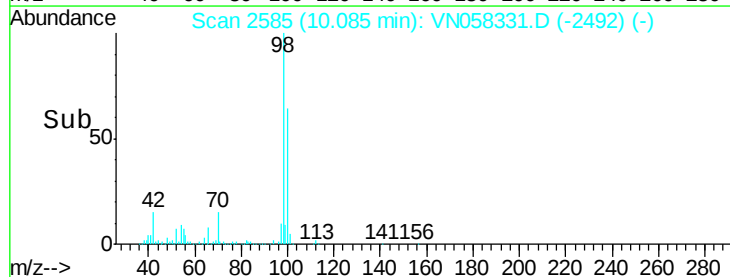
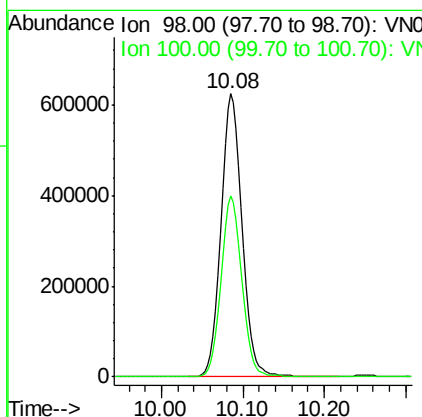
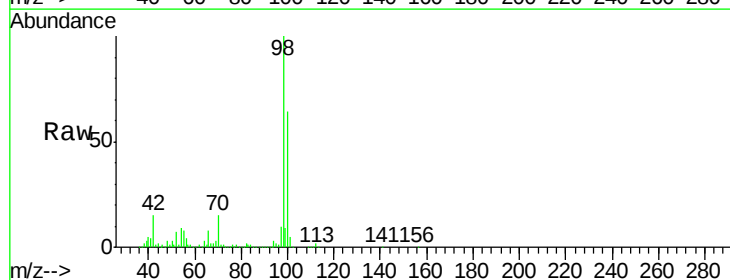
Instrument :
MSVOA_N
ClientSampled :
TWP-7

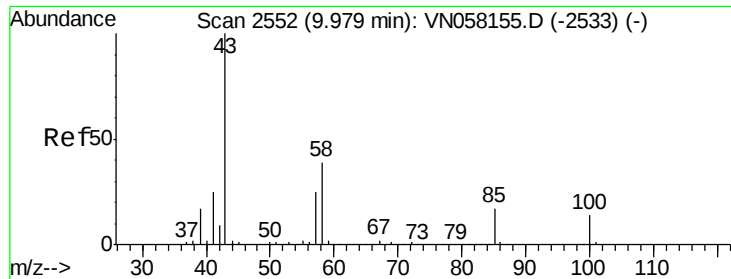
Tot Ion: 41 Resp: 19108
Ion Ratio Lower Upper
41 100
69 0.0 62.5 93.7#
39 52.0 52.3 78.5#



#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





#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 :

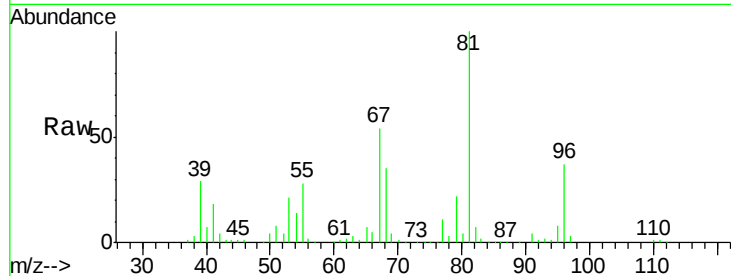
TWP-7

Tot Ion: 43 Resp: 1553

Ion Ratio Lower Upper

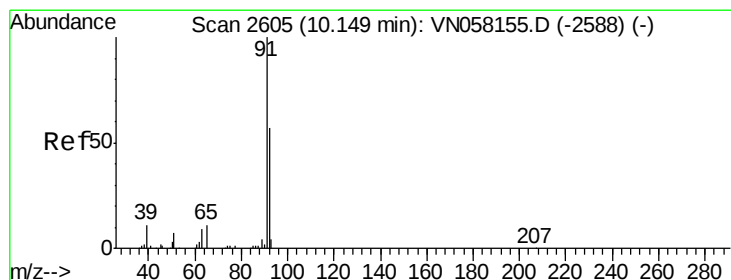
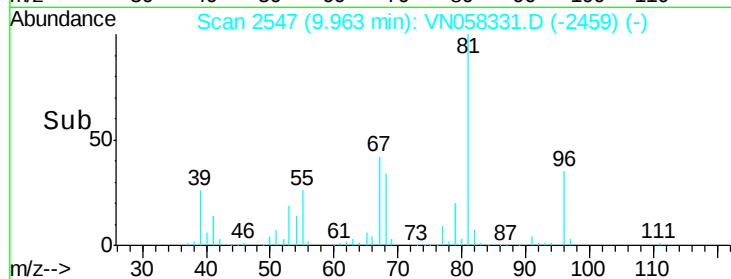
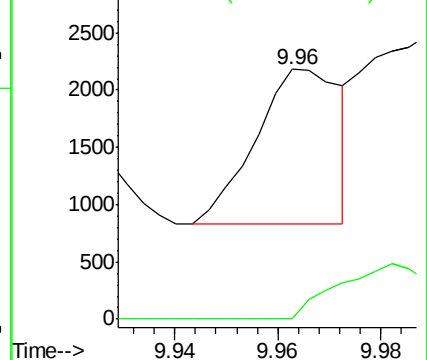
43 100

58 63.4 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 2.303 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058331.D

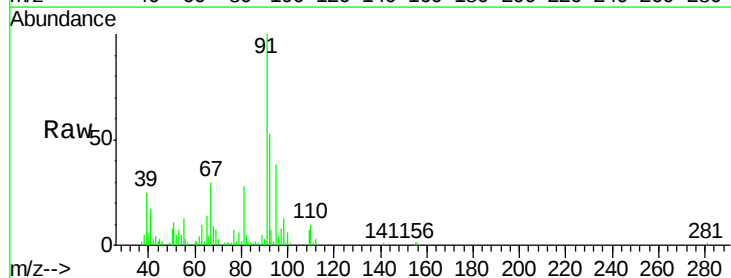
Acq: 24 Sep 2019 6:40

Tgt Ion: 92 Resp: 27888

Ion Ratio Lower Upper

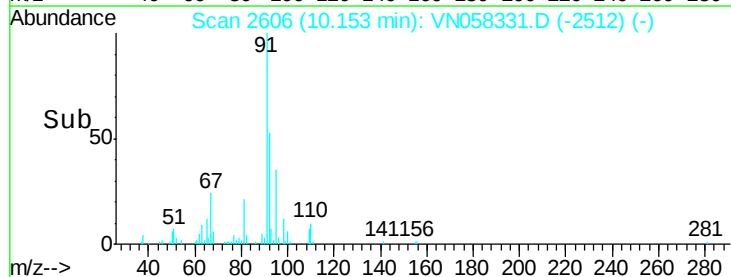
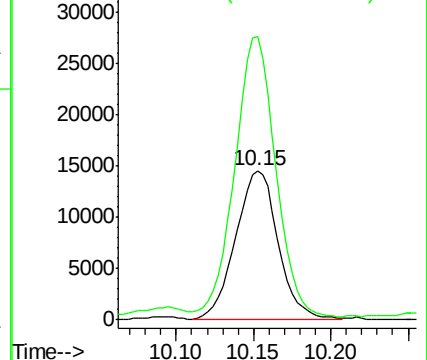
92 100

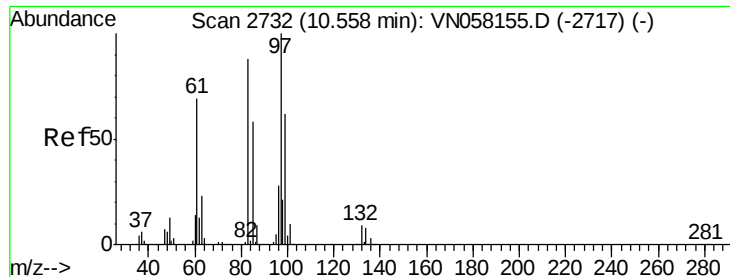
91 181.0 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

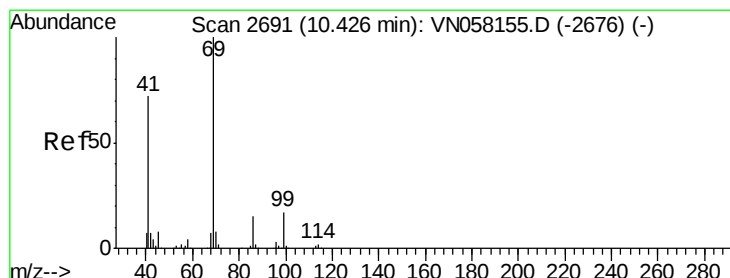
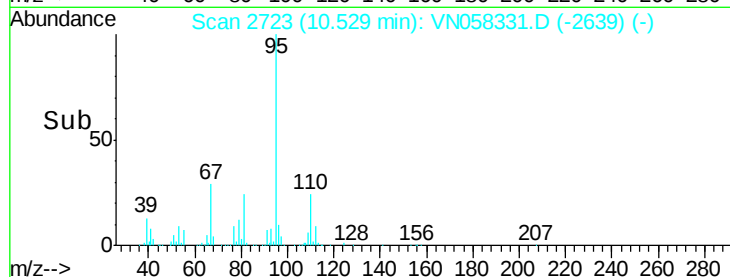
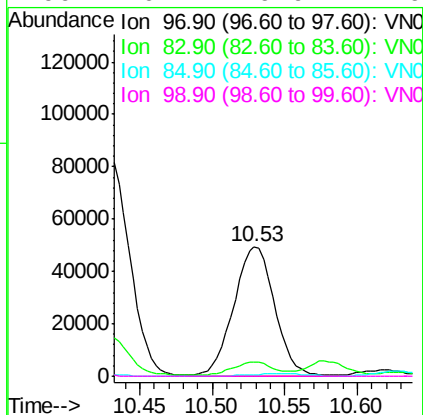
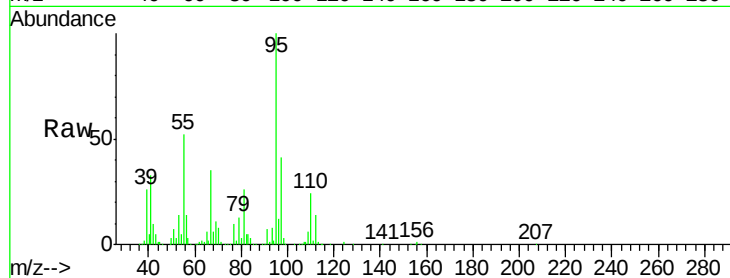




#55
 1,1,2-Trichloroethane
 Concen: 18.140 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.03 min
 Lab File: VN058331.D
 Acq: 24 Sep 2019 6:40

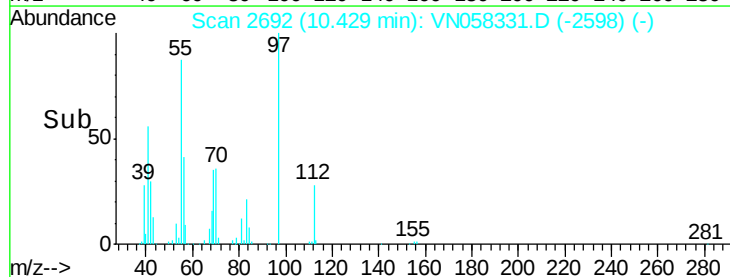
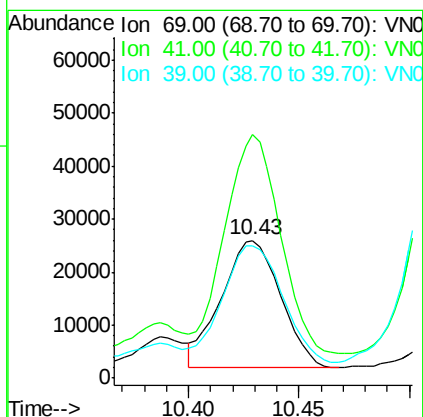
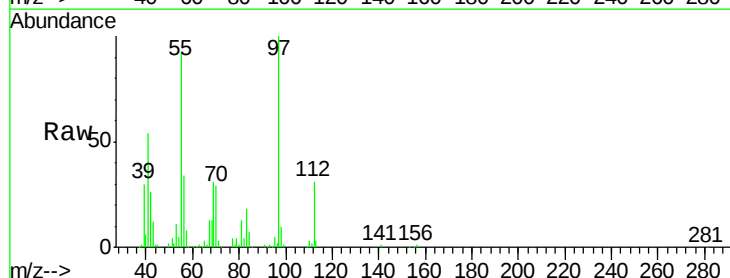
Instrument :
 MSVOA_N
 ClientSampled :
 TWP-7

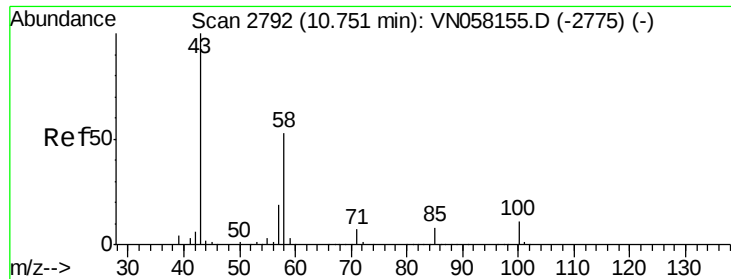
Tot Ion: 97 Resp: 97499
 Ion Ratio Lower Upper
 97 100
 83 10.2 70.4 105.6#
 85 1.2 46.8 70.2#
 99 0.4 49.9 74.9#



#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#

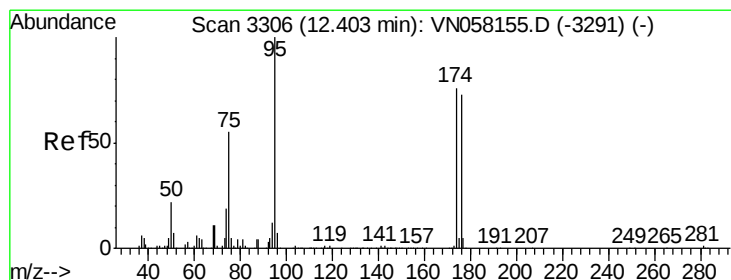
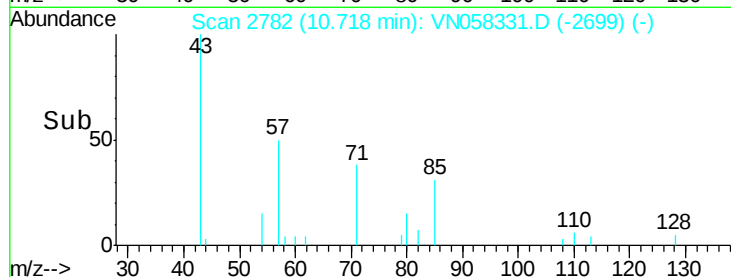
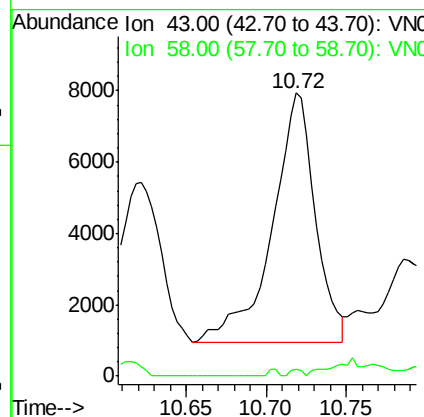
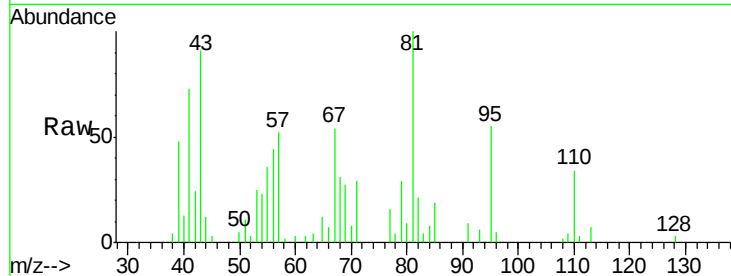




#59
2-Hexanone
Concen: 2.692 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

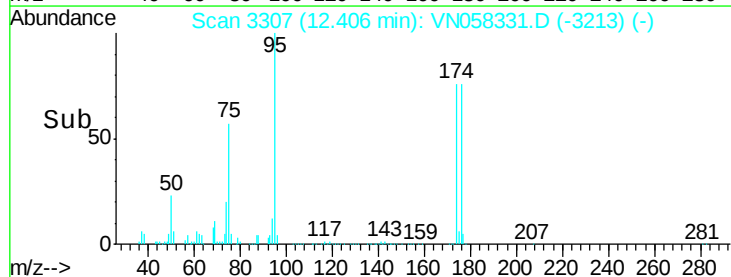
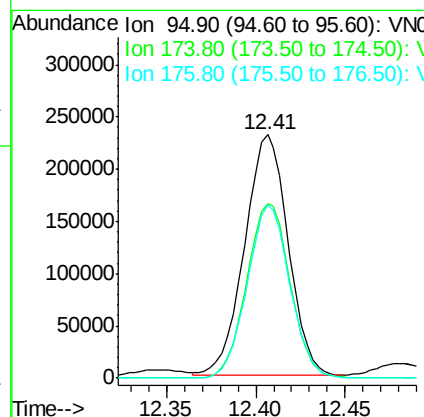
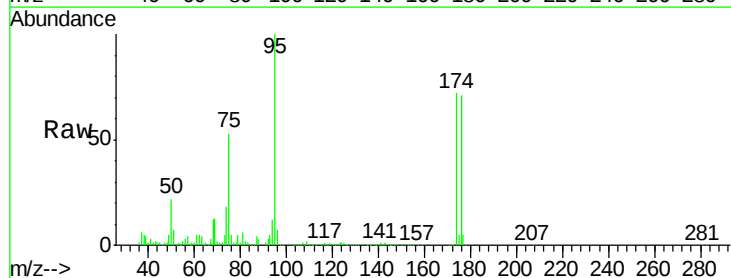
Instrument :
MSVOA_N
ClientSampled :
TWP-7

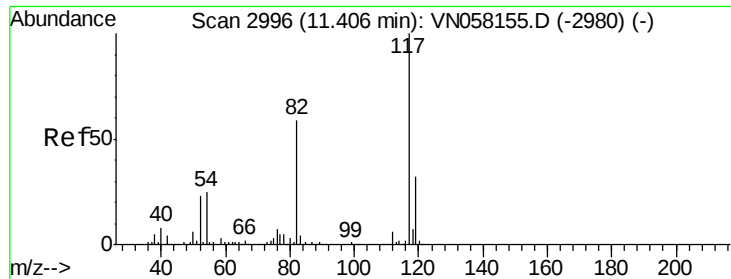
Tot Ion: 43 Resp: 13024
Ion Ratio Lower Upper
43 100
58 0.8 26.0 78.0#



#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

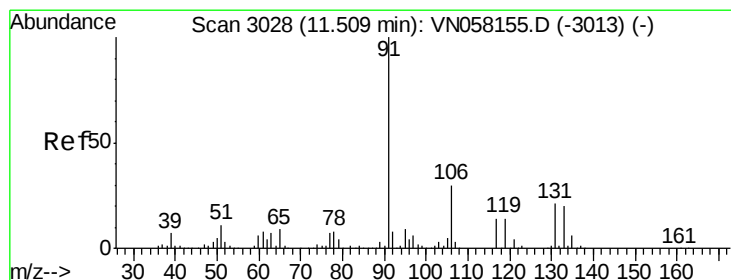
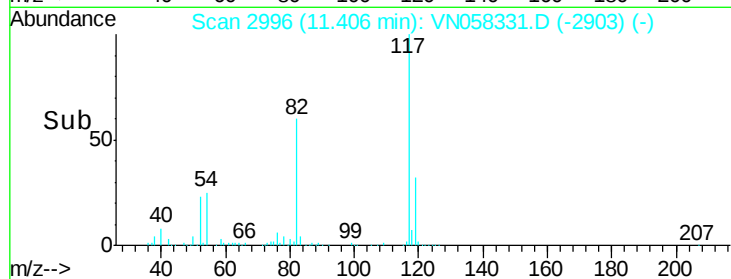
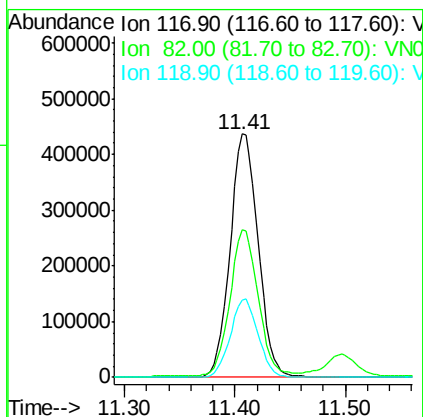
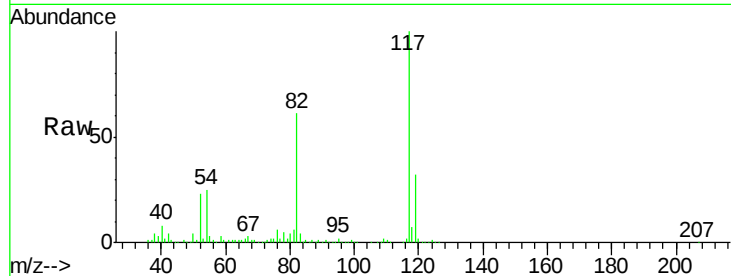




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

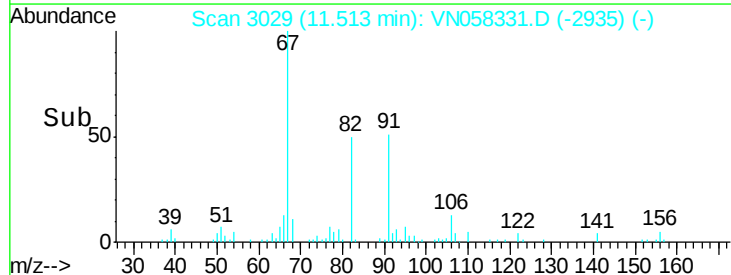
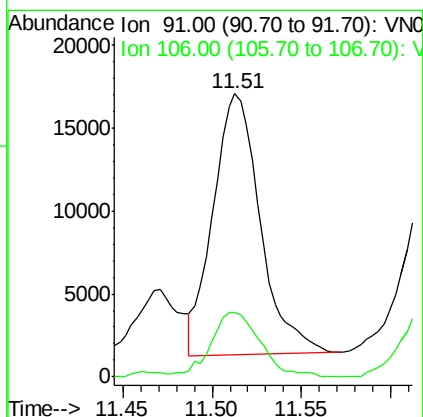
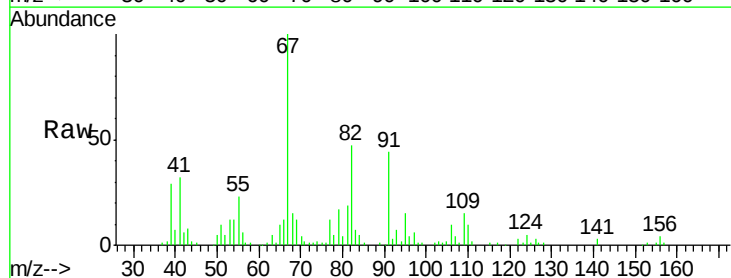
Instrument :
MSVOA_N
ClientSampled :
TWP-7

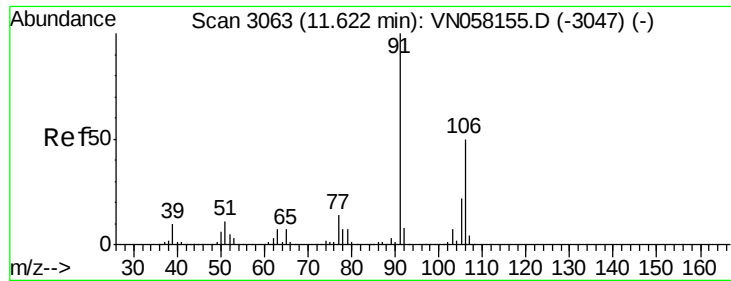
Tot Ion:117 Resp: 769905
Ion Ratio Lower Upper
117 100
82 60.2 46.9 70.3
119 31.6 25.3 37.9



#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

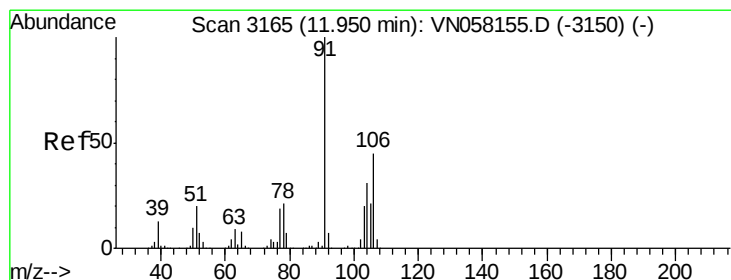
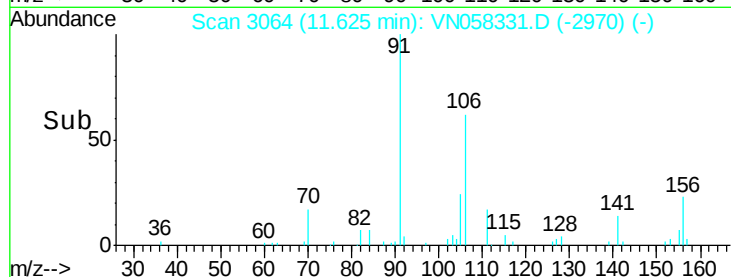
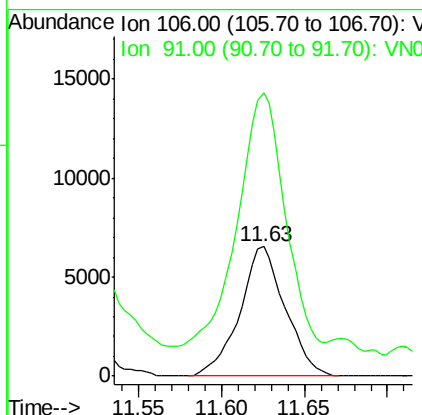
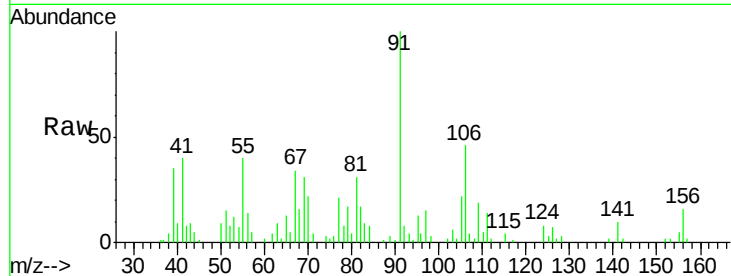




#68
m/p-Xylenes
Concen: 1.420 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

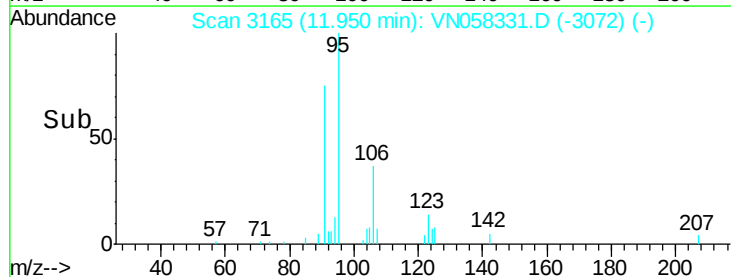
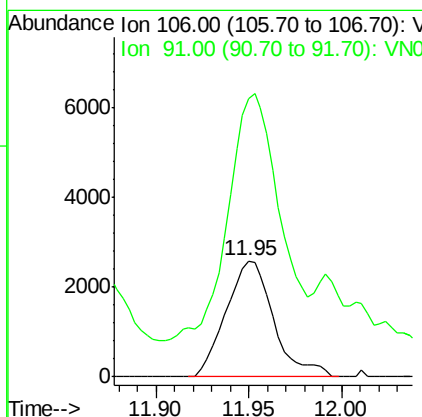
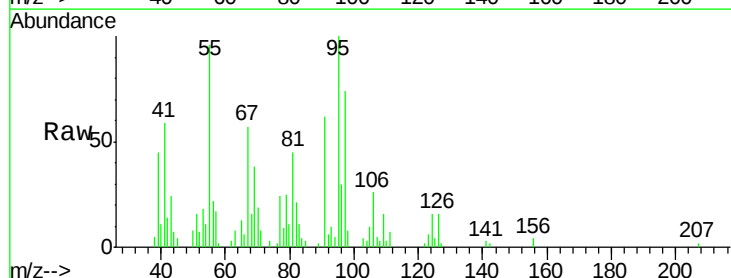
Instrument :
MSVOA_N
ClientSampled :
TWP-7

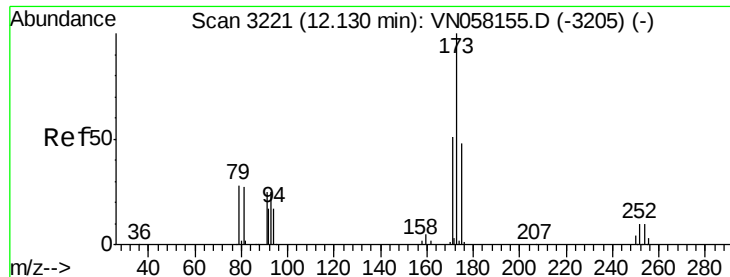
Tot Ion:106 Resp: 12411
Ion Ratio Lower Upper
106 100
91 201.0 163.6 245.4



#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 :

TWP-7

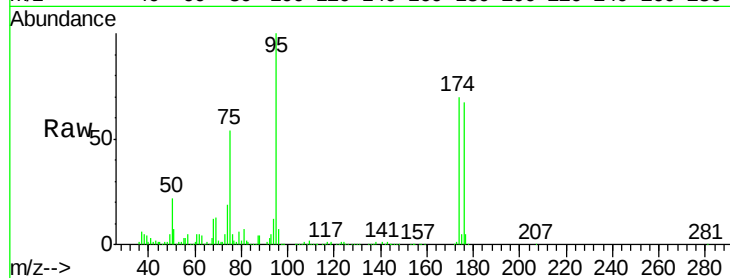
Tot Ion:173 Resp: 631

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

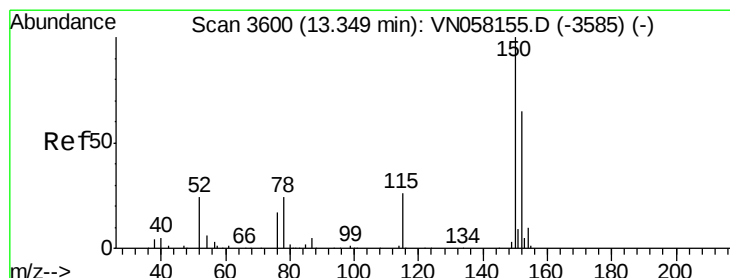
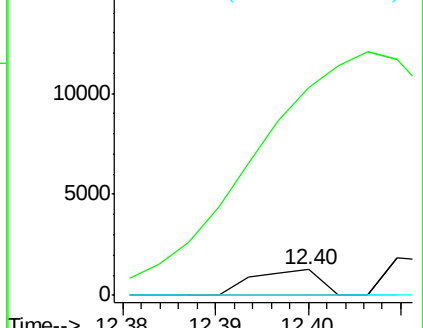
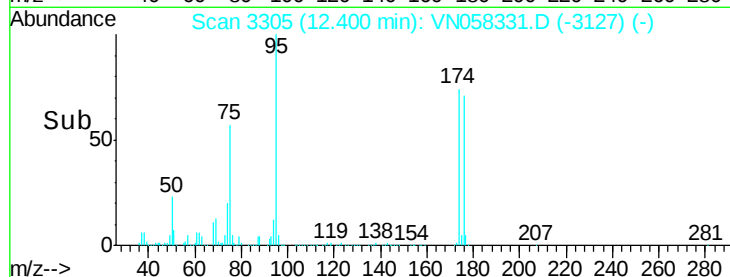
254 0.0 0.1 0.1#



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

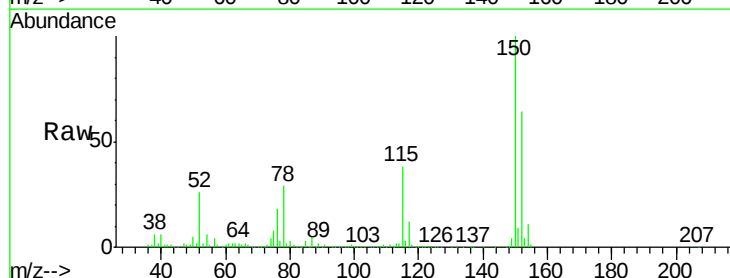
Tgt Ion:152 Resp: 338313

Ion Ratio Lower Upper

152 100

115 60.6 30.1 90.3

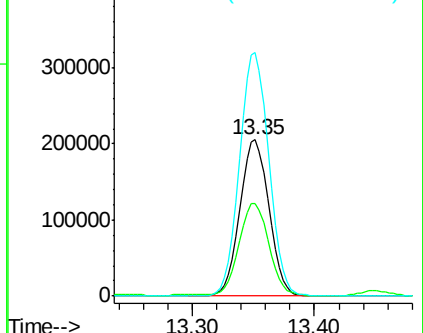
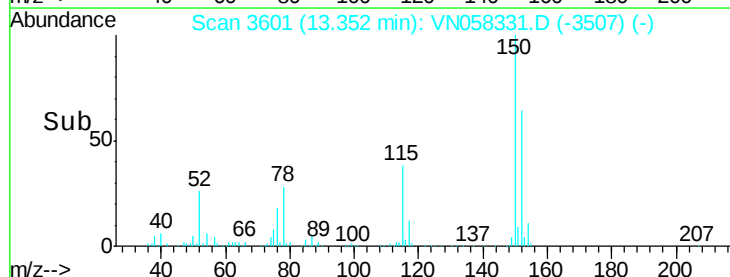
150 156.8 0.0 346.4

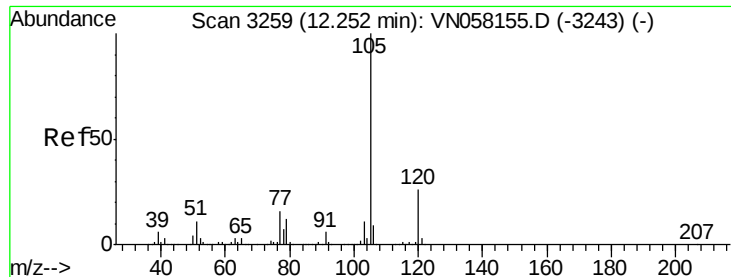


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

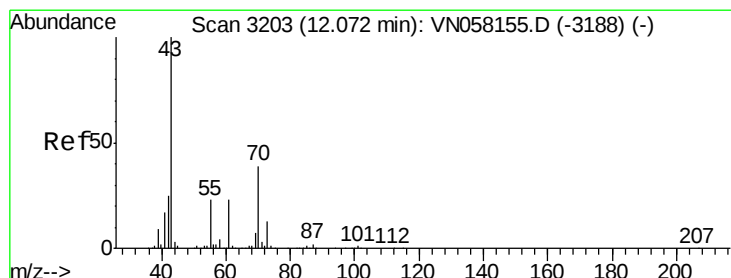
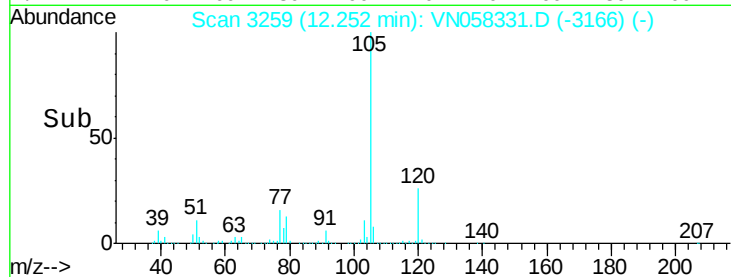
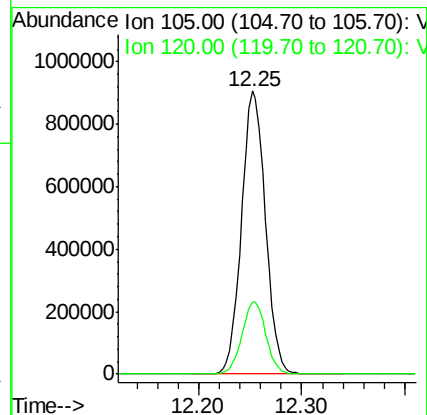
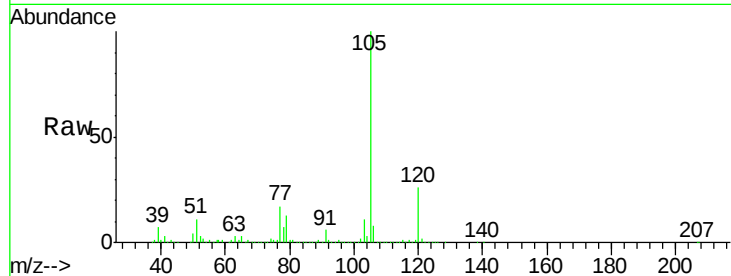
TWP-7

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

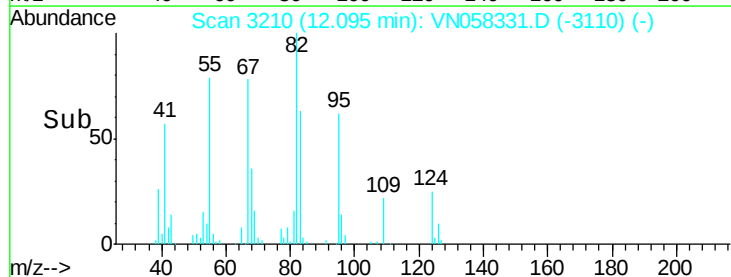
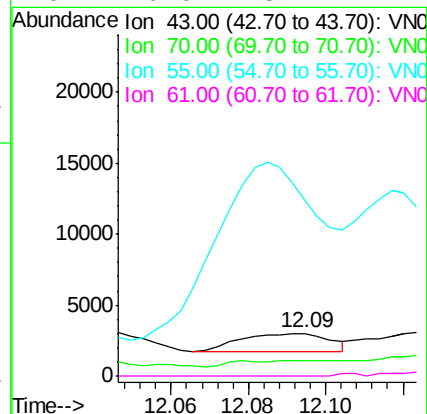
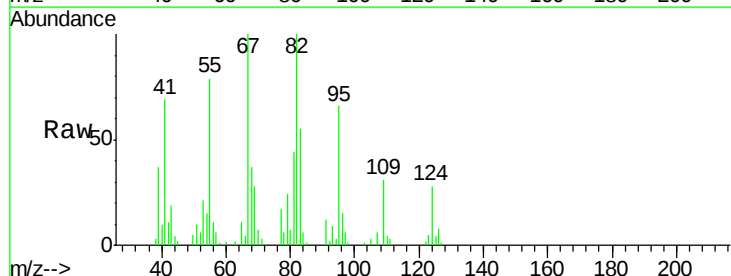
Ion Ratio Lower Upper

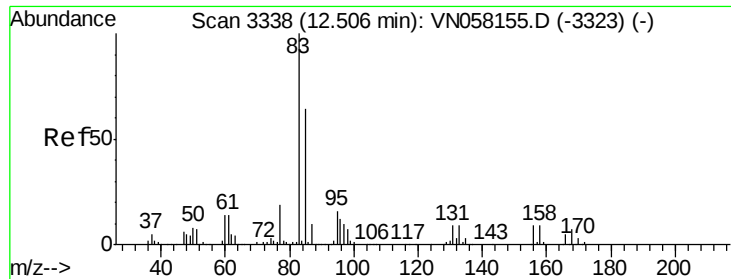
43 100

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 :

TWP-7

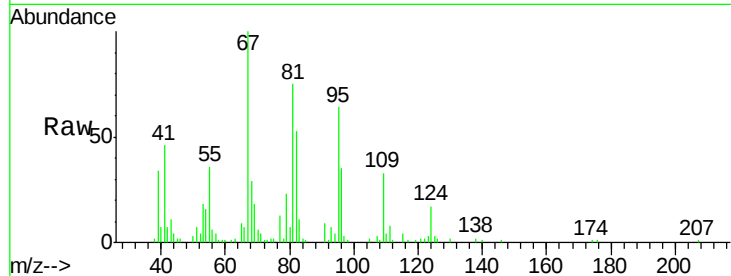
Tot Ion: 83 Resp: 3310

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

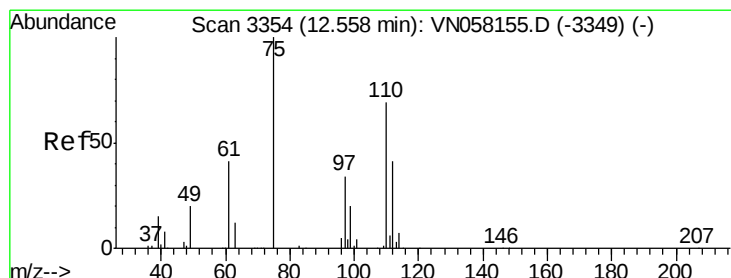
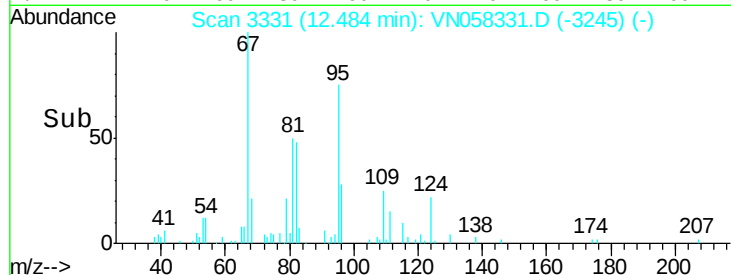
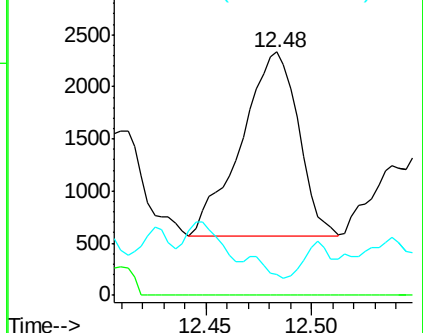
85 9.2 31.9 95.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#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

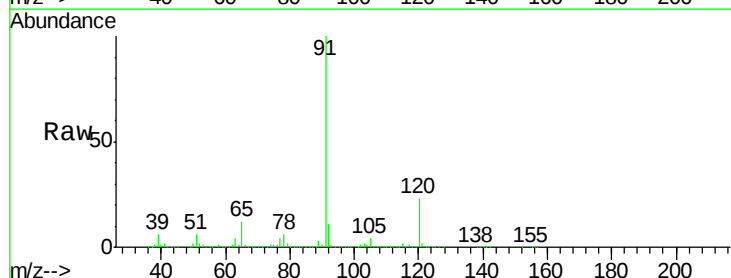
Acq: 24 Sep 2019 6:40

Tgt Ion: 75 Resp: 16095

Ion Ratio Lower Upper

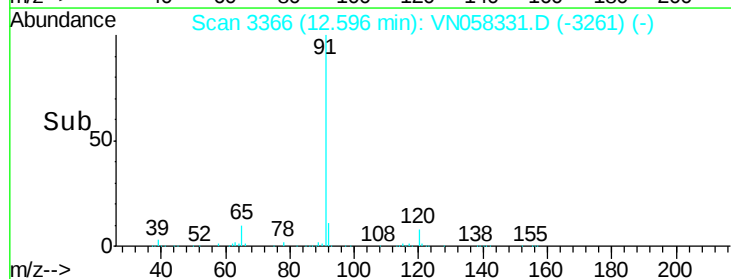
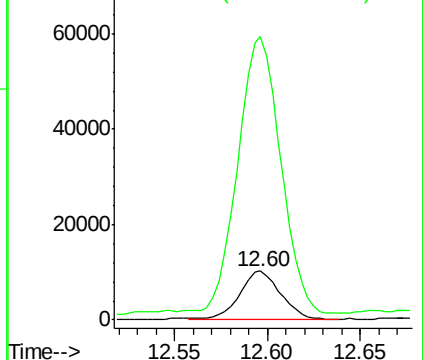
75 100

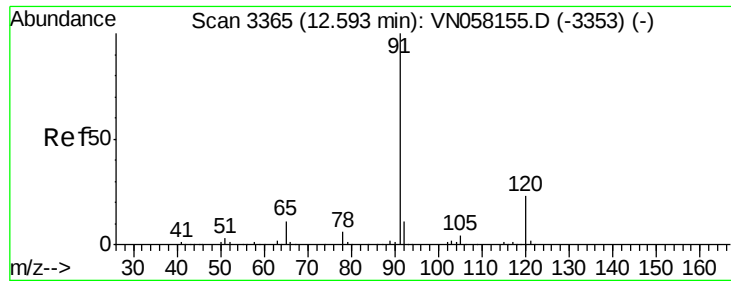
77 580.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#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 :

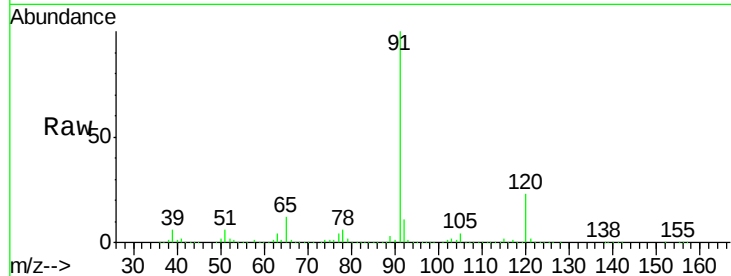
TWP-7

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

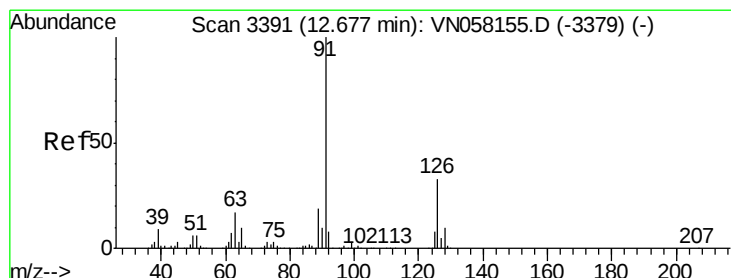
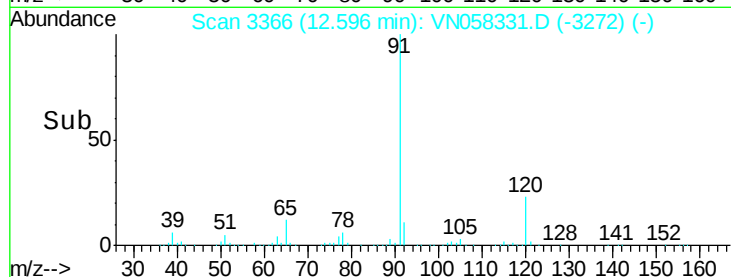
1500000

1000000

500000

0

Time-->



#79

2-Chlorotoluene

Concen: 148.791 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN058331.D

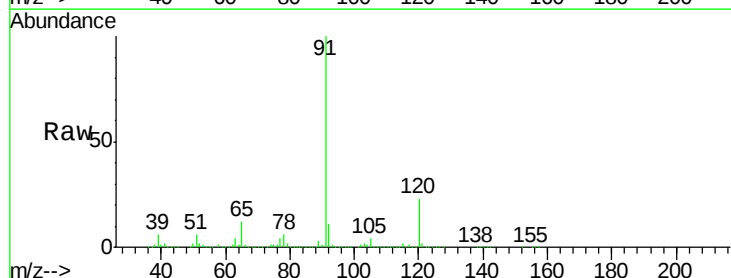
Acq: 24 Sep 2019 6:40

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

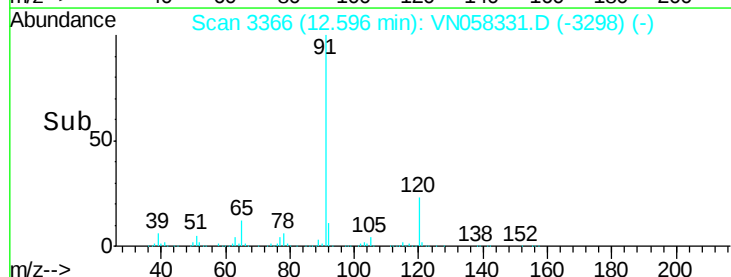
1500000

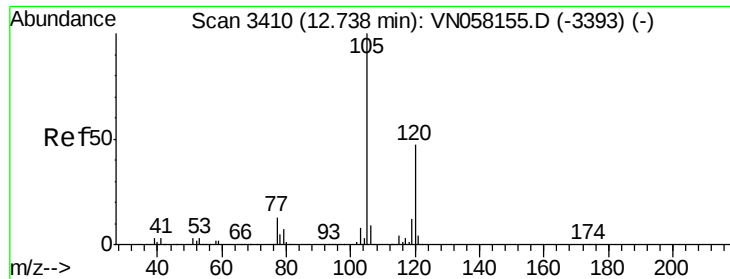
1000000

500000

0

Time-->

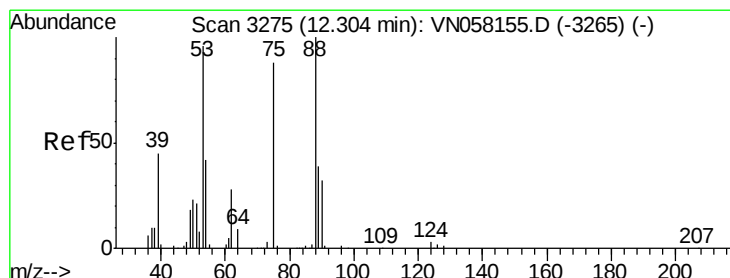
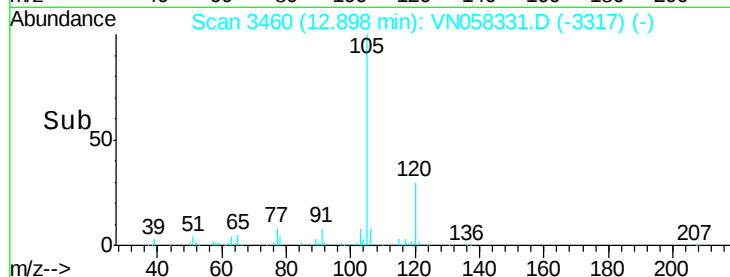
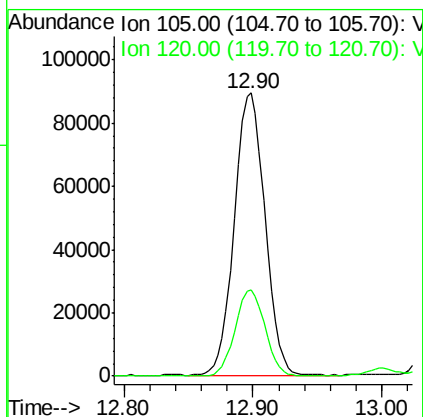
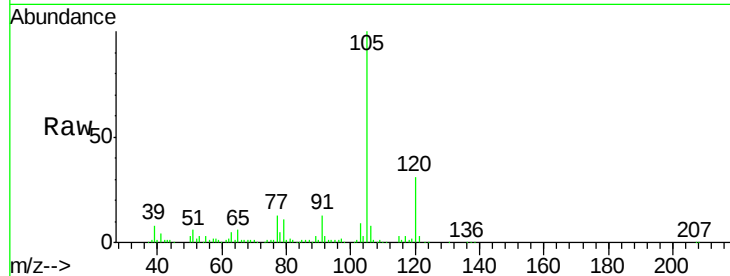




#80
 1,3,5-Trimethylbenzene
 Concen: 8.202 ug/l
 RT: 12.90 min Scan# 3460
 Delta R.T. 0.16 min
 Lab File: VN058331.D
 Acq: 24 Sep 2019 6:40

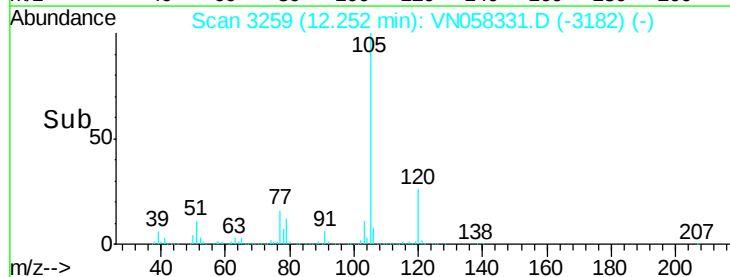
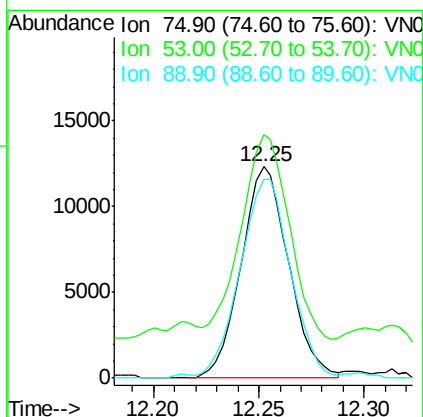
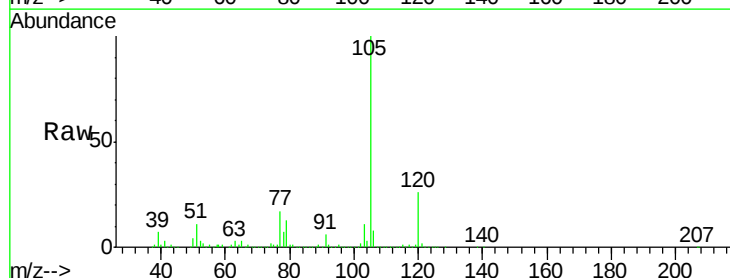
Instrument :
 MSVOA_N
 ClientSampled :
 TWP-7

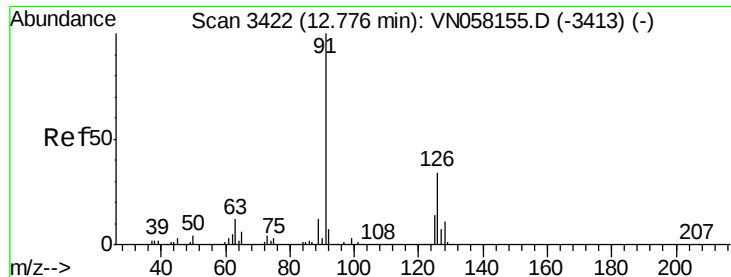
Tot Ion:105 Resp: 146879
 Ion Ratio Lower Upper
 105 100
 120 29.9 23.4 70.0



#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#





#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 :

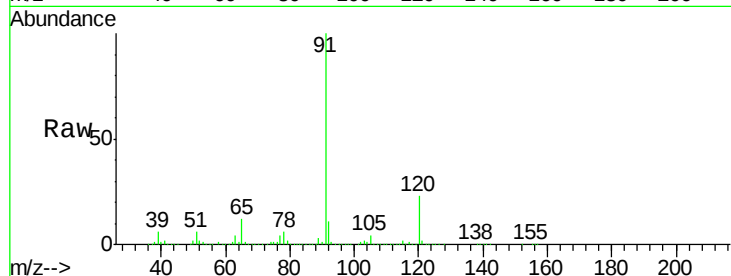
TWP-7

Tot Ion: 91 Resp: 2237664

Ion Ratio Lower Upper

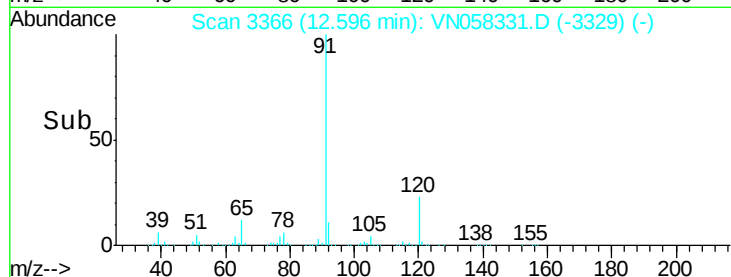
91 100

126 0.0 15.7 47.1#

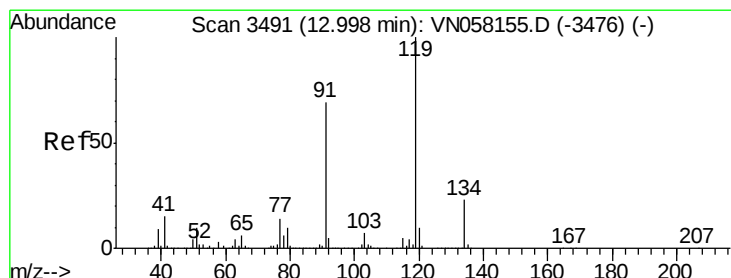


Abundance Ion 91.00 (90.70 to 91.70): VN058331.D (-3366) (-)

Ion 125.90 (125.60 to 126.60): VN058331.D (-3366) (-)



Time-->



#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

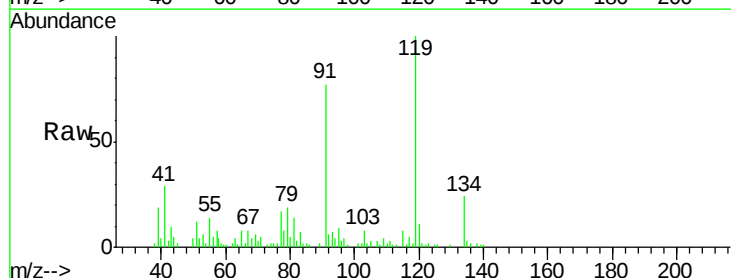
Tgt Ion: 119 Resp: 38398

Ion Ratio Lower Upper

119 100

91 75.8 33.8 101.3

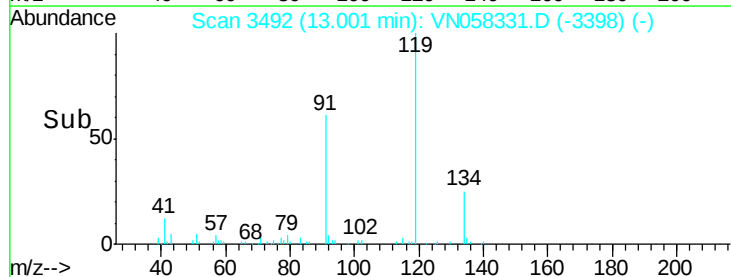
134 23.7 11.6 34.8



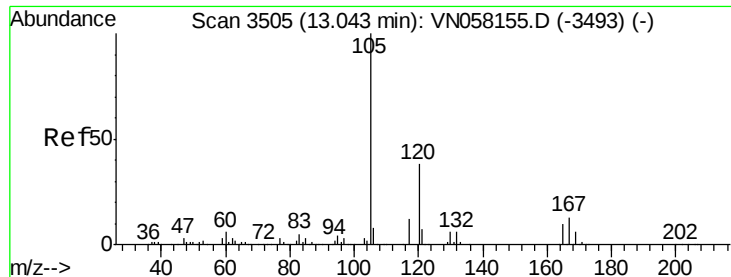
Abundance Ion 119.00 (118.70 to 119.70): VN058331.D (-3491) (-)

Ion 91.00 (90.70 to 91.70): VN058331.D (-3491) (-)

Ion 134.00 (133.70 to 134.70): VN058331.D (-3491) (-)



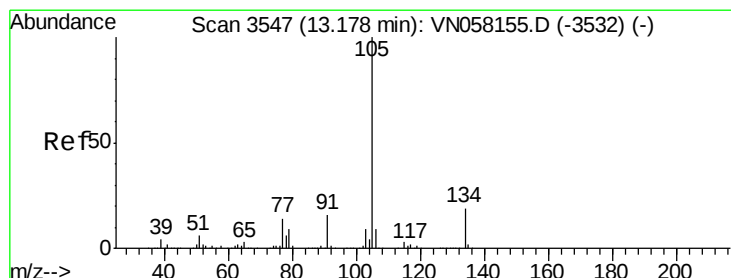
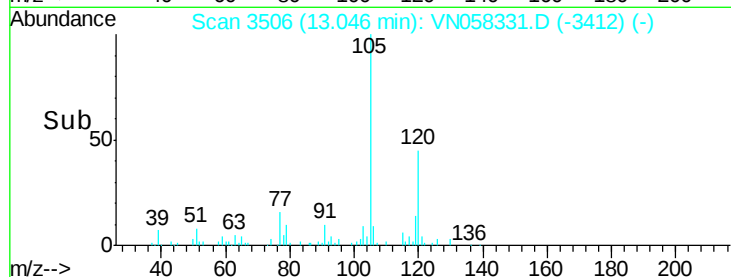
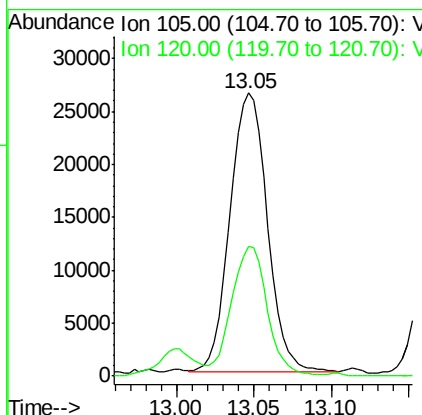
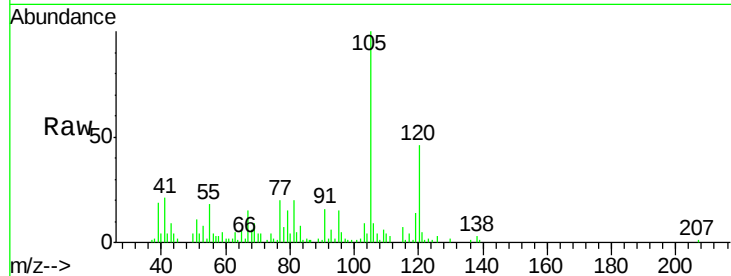
Time-->



#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

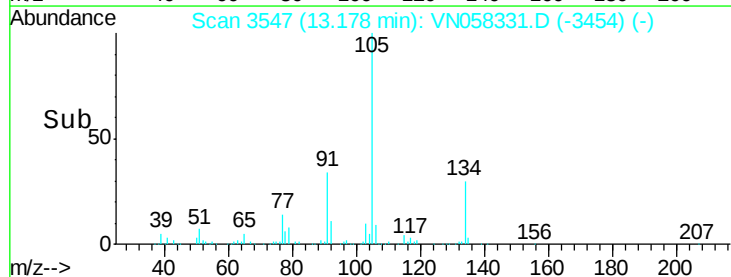
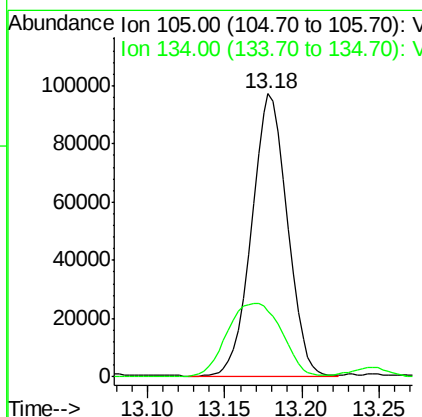
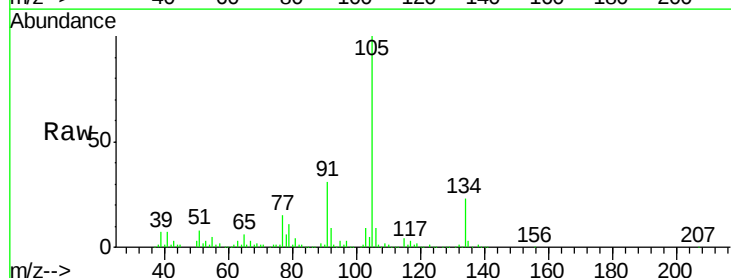
Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-7

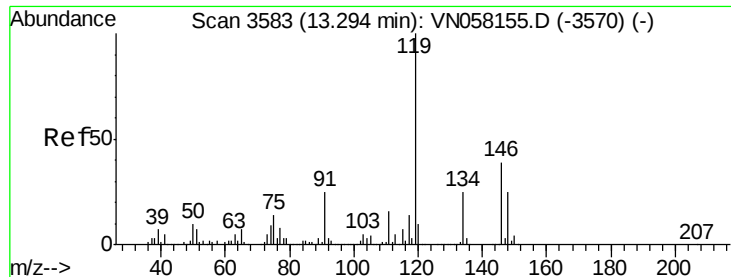
Tot Ion:105 Resp: 43907
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.1 66.5



#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#

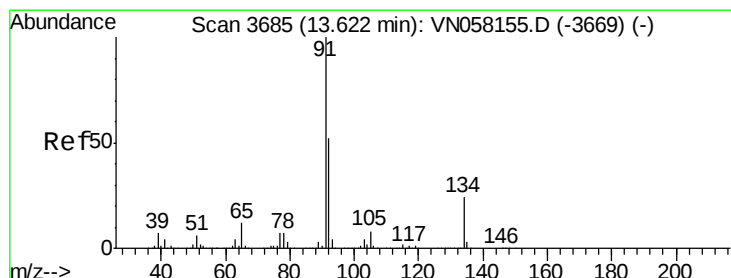
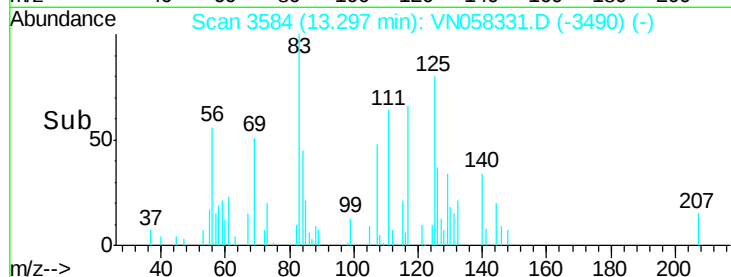
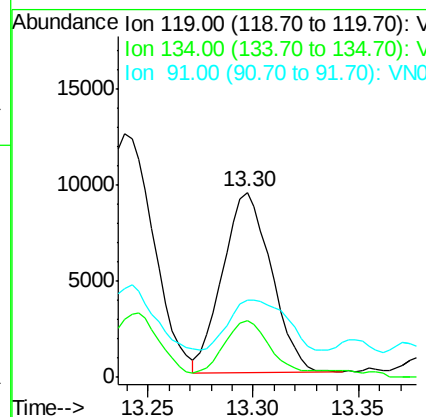
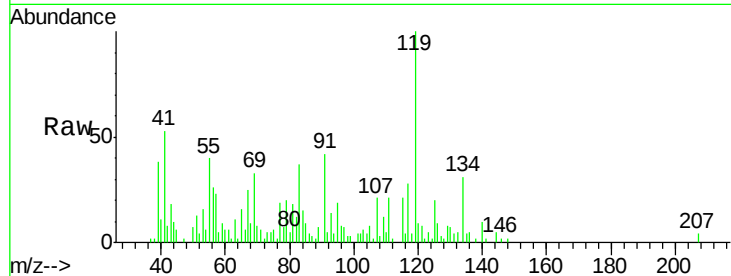




#86
 p-Isopropyltoluene
 Concen: 0.812 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058331.D
 Acq: 24 Sep 2019 6:40

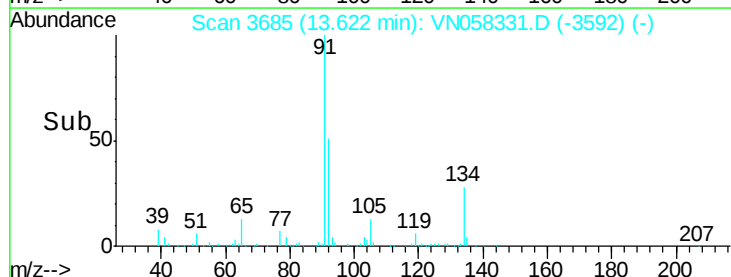
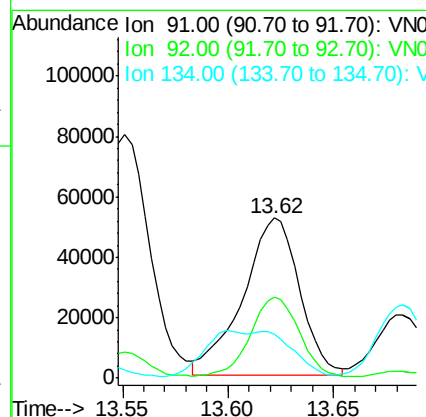
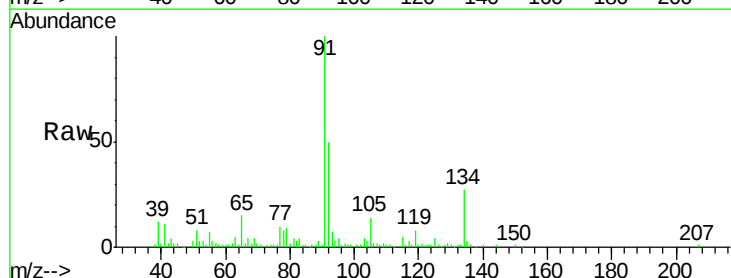
Instrument :
 MSVOA_N
 ClientSampled :
 TWP-7

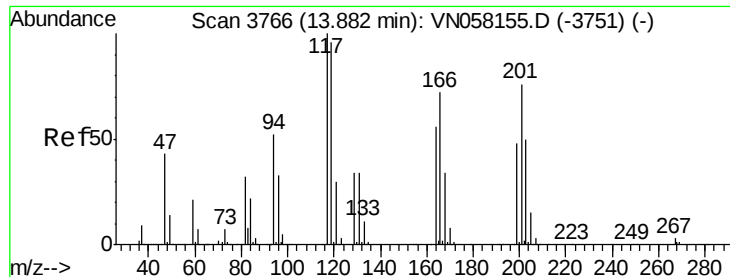
Tot Ion: 119 Resp: 15075
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.0
 91 32.4 12.3 36.8



#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 :

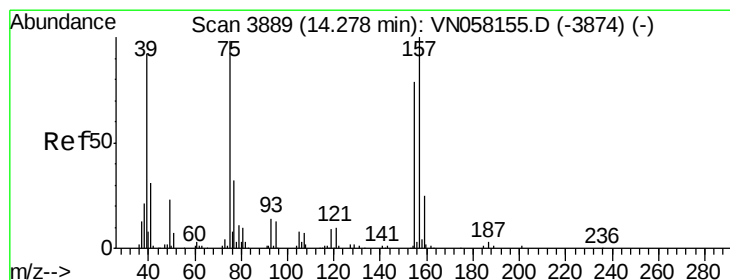
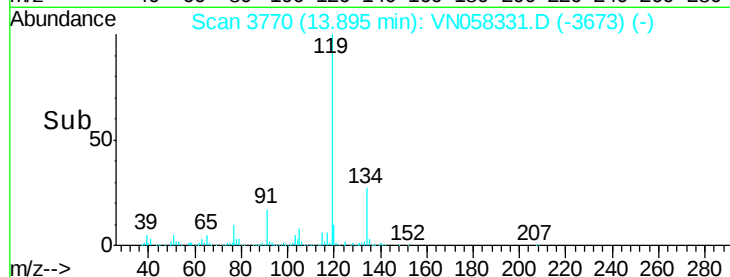
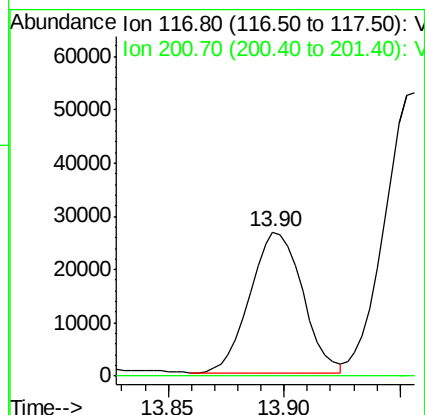
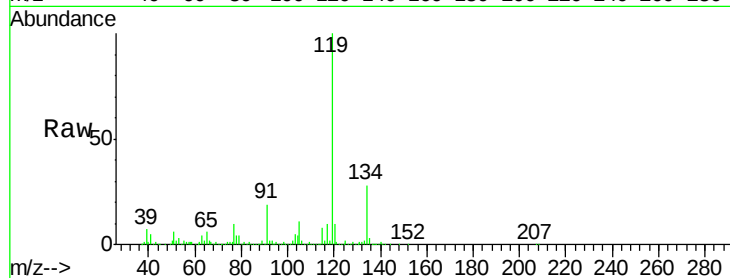
TWP-7

Tot Ion:117 Resp: 41677

Ion Ratio Lower Upper

117 100

201 0.0 37.5 112.5#



#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

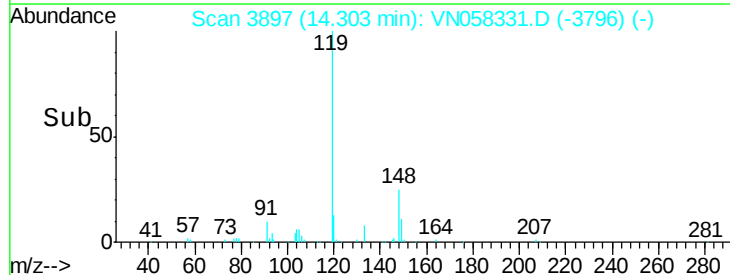
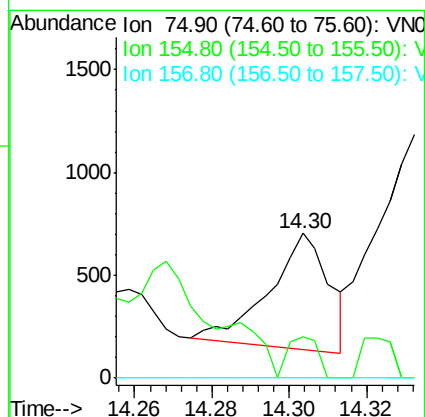
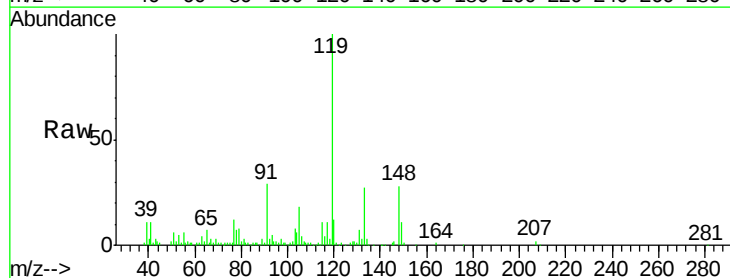
Tgt Ion: 75 Resp: 601

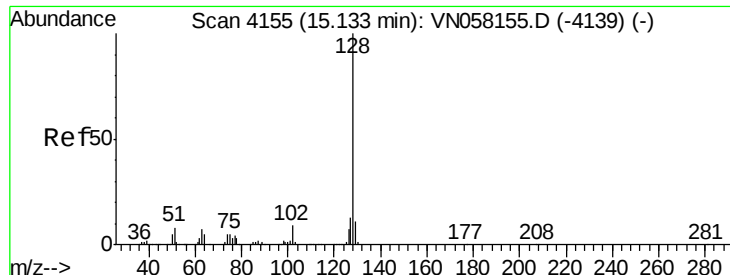
Ion Ratio Lower Upper

75 100

155 18.0 38.3 114.8#

157 0.0 48.0 144.0#





#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 :

TWP-7

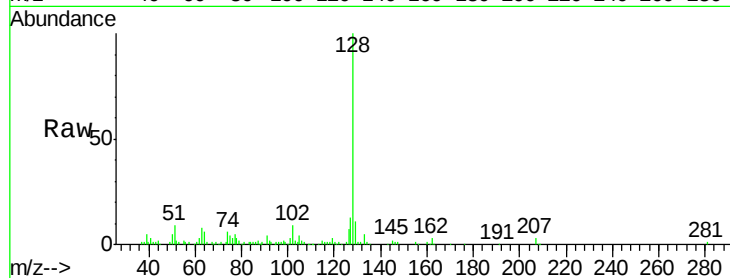
Tot Ion:128 Resp: 96687

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

