

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056804.D
 Acq On : 18 Jul 2019 10:55
 Operator : JC/SP
 Sample : VN0718WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Quant Time: Jul 19 05:30:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	51811	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	278379	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	243331	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	102451	29.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.30%
60) 4-Bromofluorobenzene	12.40	95	107620	28.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.33%
63) Toluene-d8	10.09	98	340245	30.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	58421	19.844	ug/l 97
3) Chloromethane	2.06	50	76213	19.356	ug/l 99
4) Vinyl Chloride	2.18	62	75515	19.499	ug/l 97
5) Bromomethane	2.56	94	47668	19.528	ug/l 99
6) Chloroethane	2.70	64	43133	19.492	ug/l 99
7) Trichlorofluoromethane	3.01	101	97894	19.708	ug/l 97
8) Diethyl Ether	3.41	74	39694	19.541	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	60580	19.558	ug/l 98
10) 1,1-Dichloroethene	3.74	96	59431	19.449	ug/l 92
11) Methyl Iodide	3.95	142	71294	17.556	ug/l 99
12) Methyl Acetate	4.33	43	73819	18.047	ug/l 98
13) Acrolein	3.61	56	31802	110.275	ug/l 99
14) Acrylonitrile	4.99	53	173471	96.271	ug/l 98
15) Acetone	3.81	58	54180	87.107	ug/l 98
16) Carbon Disulfide	4.05	76	148610	18.439	ug/l 99
17) Allyl chloride	4.32	41	102363	19.150	ug/l 96
18) Methylene Chloride	4.55	84	70440	19.634	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	62944	19.241	ug/l 97
20) Diisopropyl ether	5.95	45	208525	19.578	ug/l 99
21) 1,1-Dichloroethane	5.85	63	118785	19.519	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	73384	19.184	ug/l 99
23) tert-Butyl Alcohol	4.79	59	60294	95.923	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	186609	19.146	ug/l 99
25) Chloroform	7.37	83	116383	19.630	ug/l 99
26) Cyclohexane	7.65	56	106719	18.866	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	86852	19.627	ug/l 98
30) 2-Butanone	6.84	43	237064	92.531	ug/l 98
31) 2,2-Dichloropropane	6.83	77	85490	19.962	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	93647	19.854	ug/l 99
33) Carbon Tetrachloride	7.78	117	81509	20.081	ug/l 98
34) Benzene	8.04	78	277016	20.374	ug/l 99
35) Methacrylonitrile	7.21	41	135040	68.995	ug/l # 50
36) 1,2-Dichloroethane	8.12	62	87633	20.065	ug/l 99
37) Trichloroethene	8.84	130	75050	20.325	ug/l 98
38) Methylcyclohexane	9.08	83	107253	19.186	ug/l 99
39) 1,2-Dichloropropane	9.12	63	73772	20.215	ug/l 99
40) Dibromomethane	9.21	93	46362	19.945	ug/l 98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VN0718WBS01

Quant Time: Jul 19 05:30:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	85976	20.069	ug/l	99
42) Vinyl Acetate	5.90	43	854536	100.218	ug/l	99
43) Ethyl Acetate	6.93	43	93328	20.158	ug/l	99
44) Isopropyl Acetate	8.17	43	139886	19.372	ug/l	99
45) 1,4-Dioxane	9.20	88	28296	387.335	ug/l	97
46) Methyl methacrylate	9.20	41	67594	19.485	ug/l	95
47) n-amyl Acetate	12.07	43	106781	18.081	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	88699	18.823	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	105075	19.766	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	69232	20.443	ug/l	98
51) Ethyl methacrylate	10.43	69	101477	19.481	ug/l	99
52) 1,3-Dichloropropane	10.71	76	114772	20.254	ug/l	98
53) Dibromochloromethane	10.90	129	68115	19.901	ug/l	98
54) 1,2-Dibromoethane	11.00	107	69621	19.781	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	234972	93.281	ug/l	99
56) Bromoform	12.13	173	49334	19.471	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	462259	100.933	ug/l	100
59) 2-Hexanone	10.75	43	329916	94.900	ug/l	99
61) Tetrachloroethene	10.63	164	73491	21.019	ug/l	99
62) Toluene	10.16	91	290414	20.320	ug/l	99
64) Chlorobenzene	11.43	112	175131	20.091	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	66353	20.763	ug/l	98
66) Ethyl Benzene	11.51	91	307703	19.918	ug/l	100
67) m/p-Xylenes	11.62	106	227610	39.040	ug/l	99
68) o-Xylene	11.95	106	111753	19.652	ug/l	99
69) Styrene	11.96	104	183222	19.445	ug/l	99
70) Isopropylbenzene	12.25	105	297602	19.966	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	97596	20.173	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	117013	28.298	ug/l	63
73) Bromobenzene	12.53	156	77010	19.771	ug/l	99
74) n-propylbenzene	12.59	91	322029	19.149	ug/l	100
75) 2-Chlorotoluene	12.67	91	197548	19.505	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	253664	19.952	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	25085	18.250	ug/l	96
78) 4-Chlorotoluene	12.77	91	183346	18.668	ug/l	99
79) tert-butylbenzene	12.99	119	212965	19.691	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	250649	19.879	ug/l	100
81) sec-Butylbenzene	13.17	105	277591	19.390	ug/l	100
82) p-Isopropyltoluene	13.29	119	249079	19.131	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	119479	18.404	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	111718	17.952	ug/l	99
85) n-Butylbenzene	13.61	91	189979	17.691	ug/l	99
86) Hexachloroethane	13.87	117	39124	19.152	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	124183	19.034	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15594	18.682	ug/l	100
89) 1,2,4-Trichlorobenzene	14.90	180	50216	14.310	ug/l	100
90) Hexachlorobutadiene	15.01	225	42033	18.423	ug/l	97
91) Naphthalene	15.13	128	126838	13.438	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	56576	15.375	ug/l	100

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ClientSampleId :
VN0718WBS01

Quant Time: Jul 19 05:30:54 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:58:13 2019
Response via : Initial Calibration

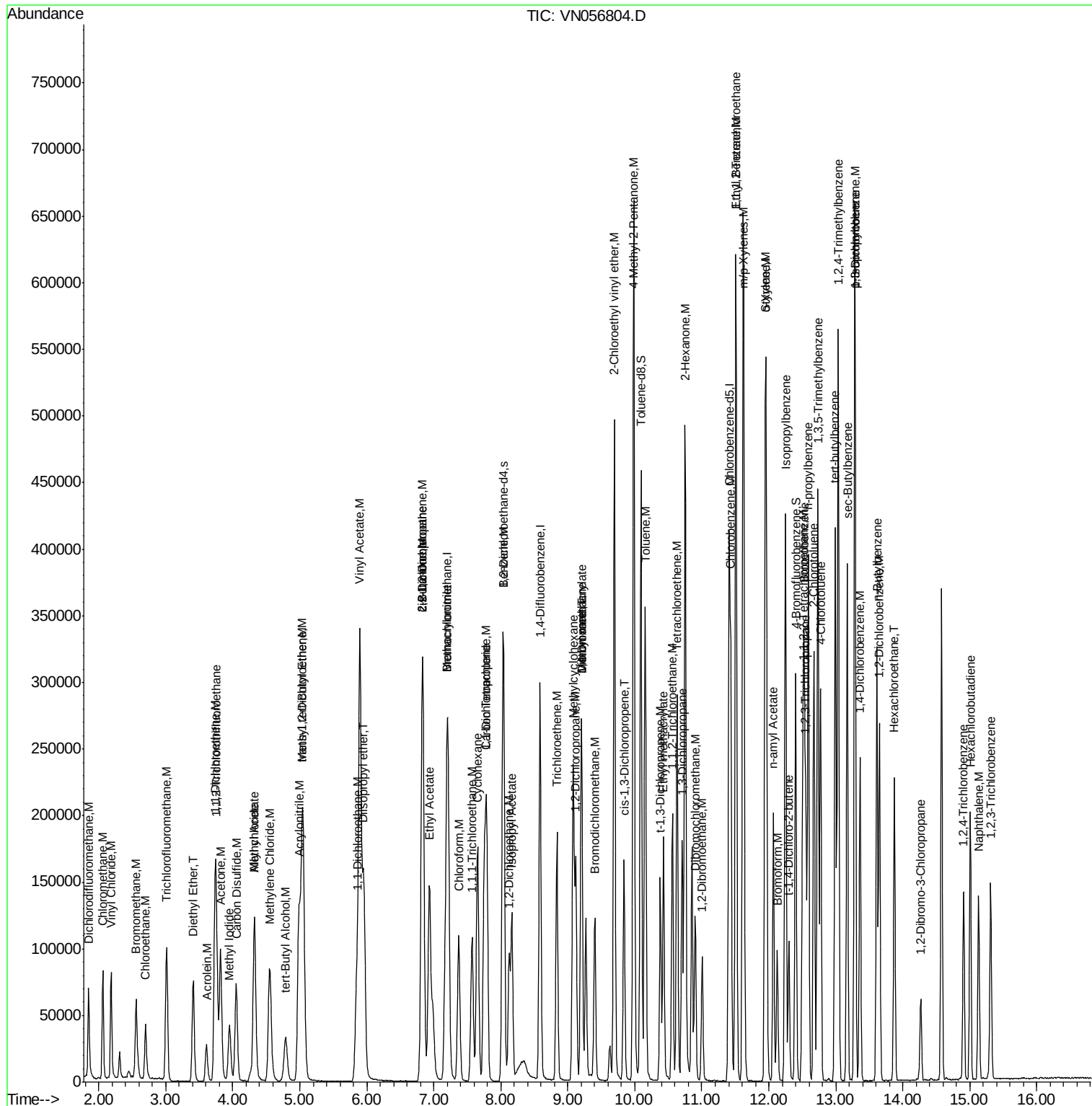
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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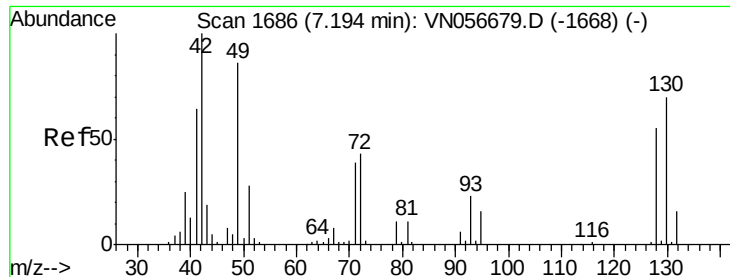
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VN056804.D
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 Sample : VN0718WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Quant Time: Jul 19 05:30:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

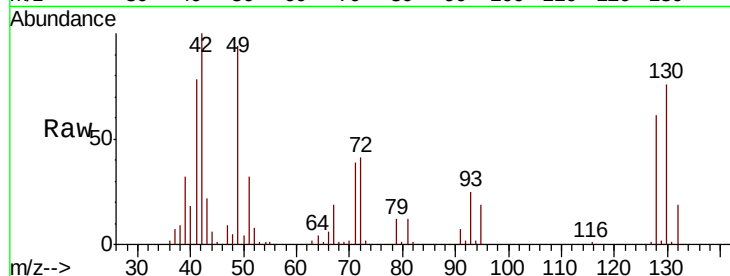
Tot Ion:128 Resp: 51811

Ion Ratio Lower Upper

128 100

49 153.9 0.0 390.5

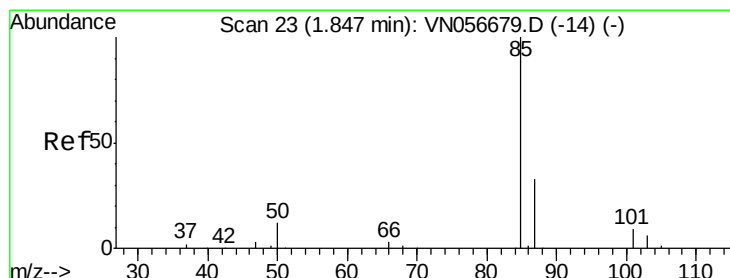
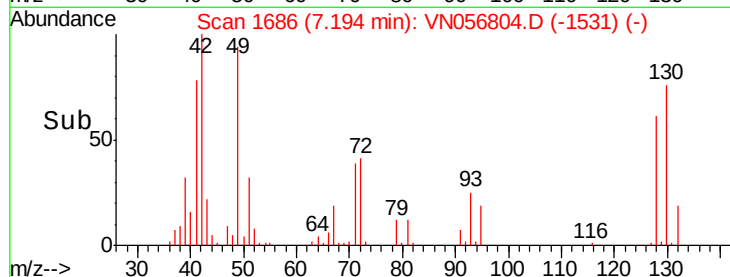
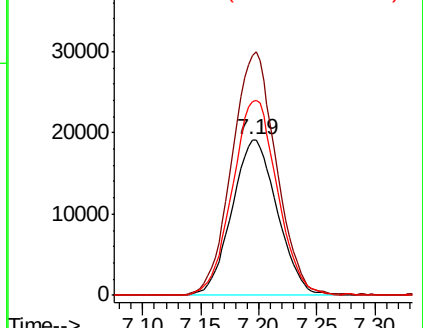
130 124.8 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.844 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056804.D

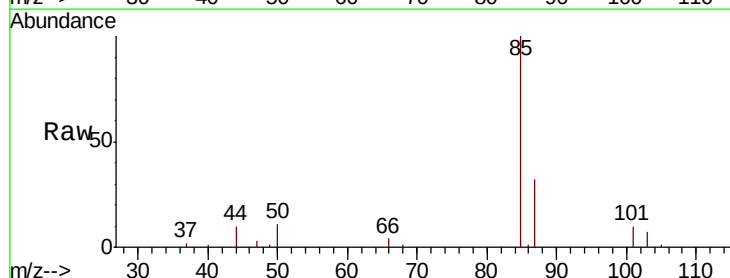
Acq: 18 Jul 2019 10:55

Tgt Ion: 85 Resp: 58421

Ion Ratio Lower Upper

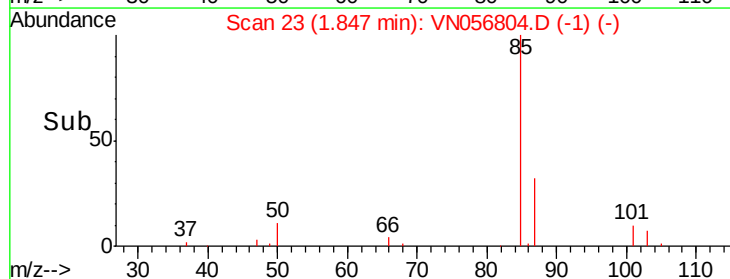
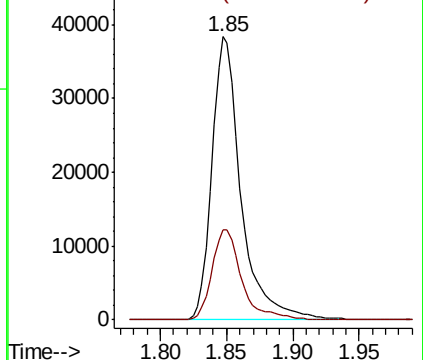
85 100

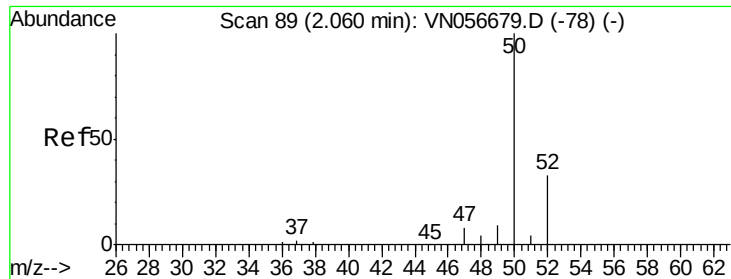
87 31.7 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.356 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampled :

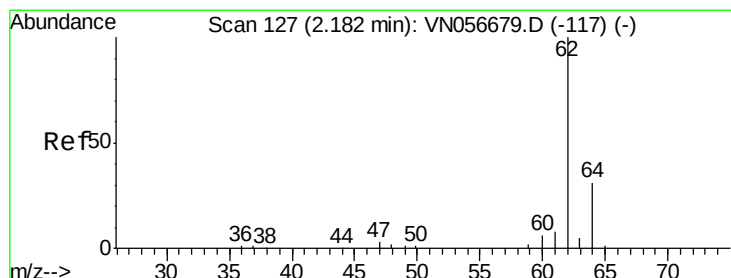
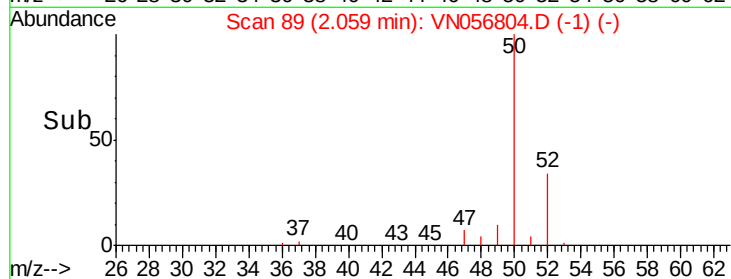
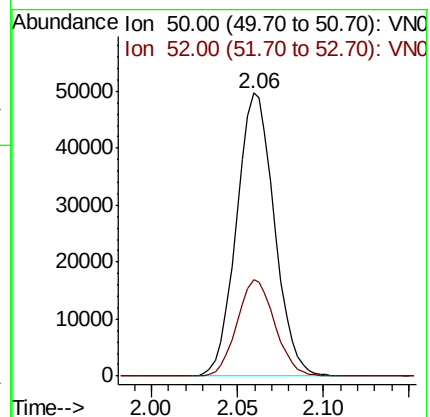
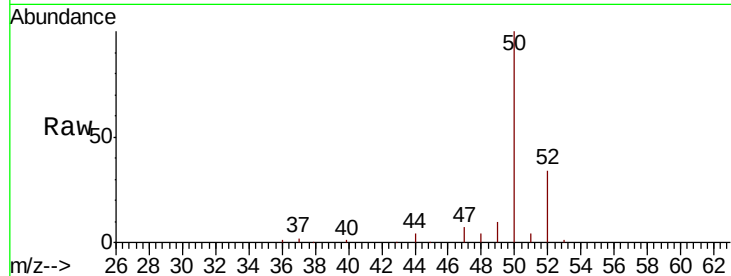
VN0718WBS01

Tot Ion: 50 Resp: 76213

Ion Ratio Lower Upper

50 100

52 33.9 26.5 39.7



#4

Vinyl Chloride

Concen: 19.499 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056804.D

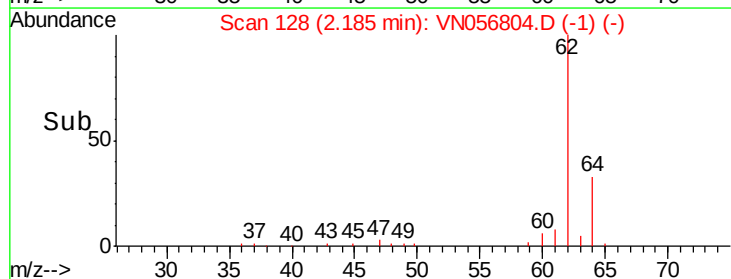
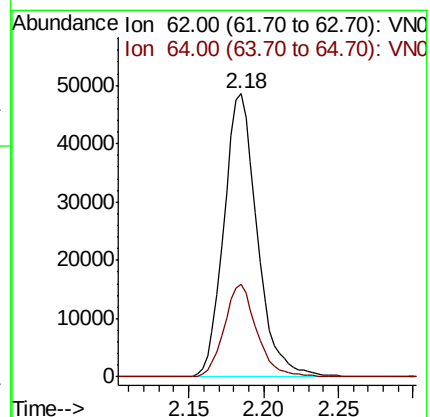
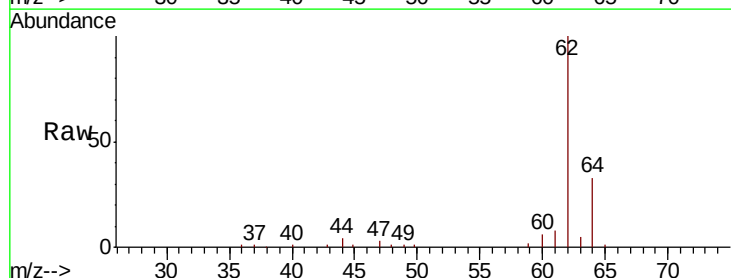
Acq: 18 Jul 2019 10:55

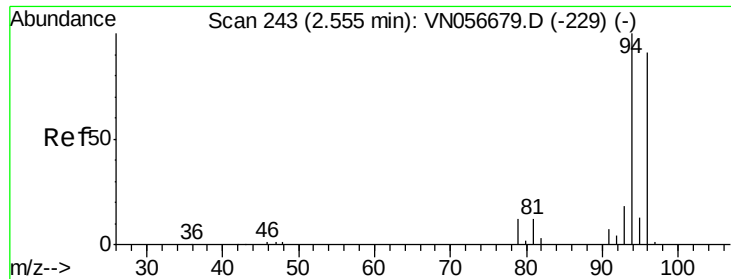
Tgt Ion: 62 Resp: 75515

Ion Ratio Lower Upper

62 100

64 32.6 25.0 37.4

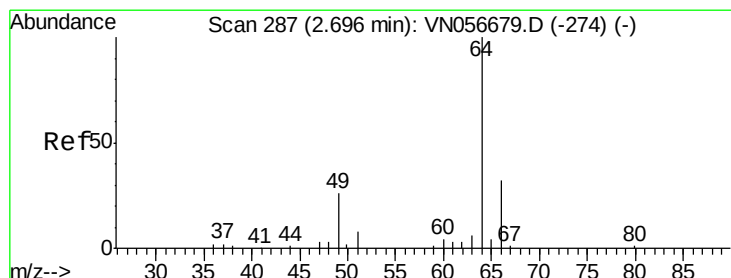
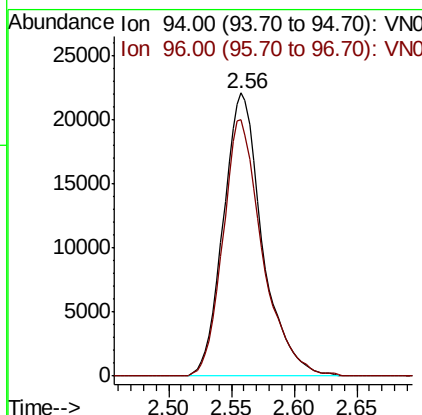
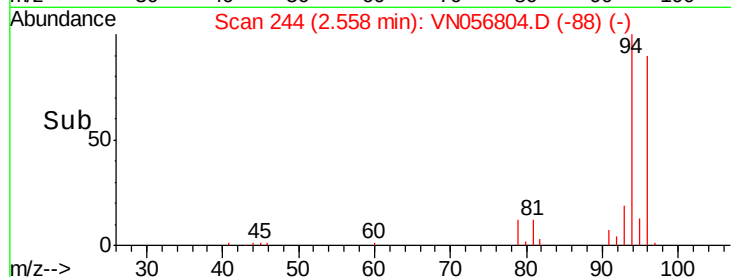
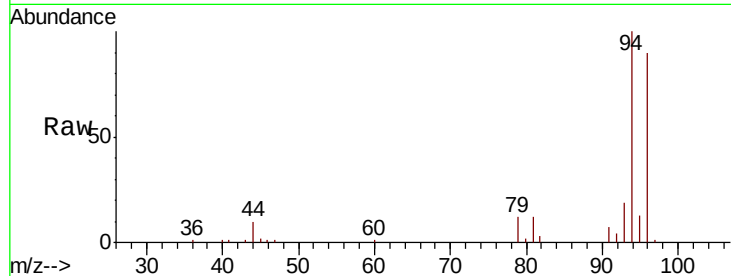




#5
Bromomethane
Concen: 19.528 ug/l
RT: 2.56 min Scan# 244
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

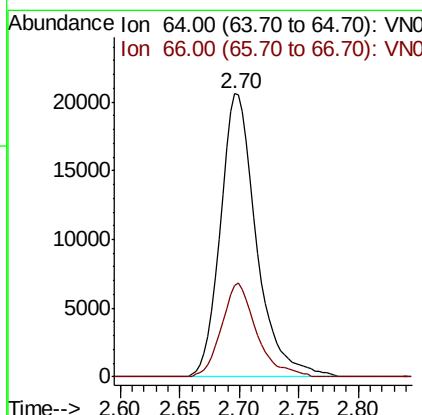
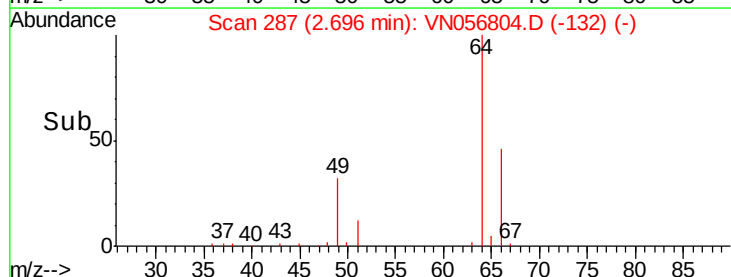
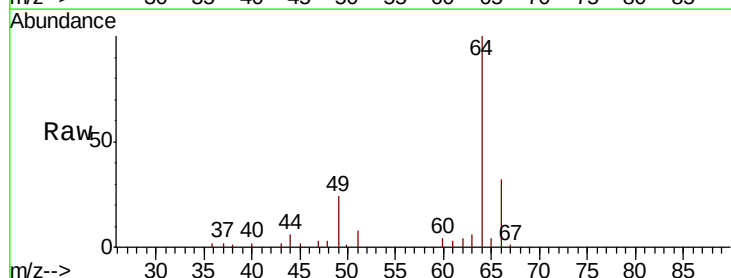
Instrument :
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ClientSampleId :
VN0718WBS01

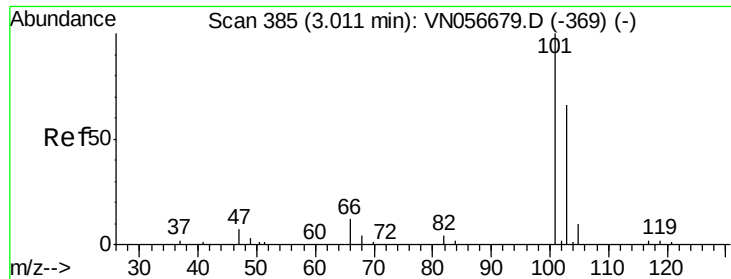
Tot Ion: 94 Resp: 47668
Ion Ratio Lower Upper
94 100
96 90.4 72.8 109.2



#6
Chloroethane
Concen: 19.492 ug/l
RT: 2.70 min Scan# 287
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 64 Resp: 43133
Ion Ratio Lower Upper
64 100
66 32.5 25.7 38.5



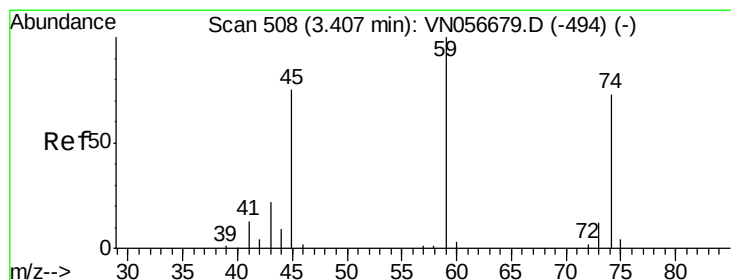
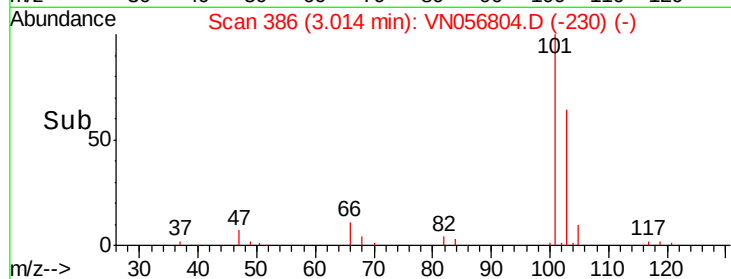
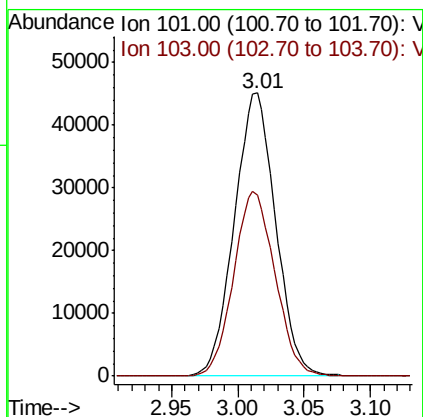
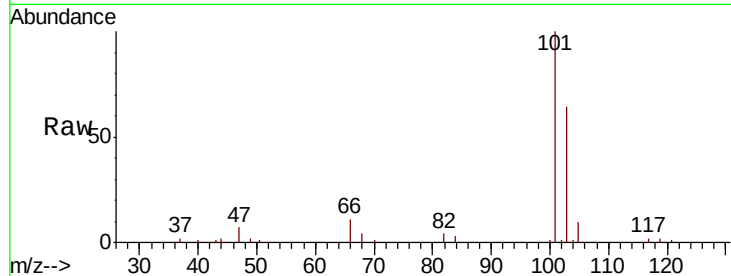


#7

Trichlorofluoromethane
 Concen: 19.708 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

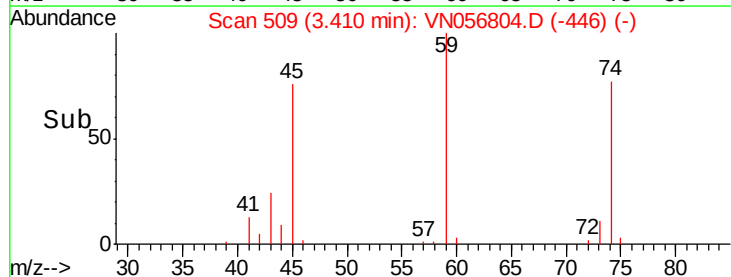
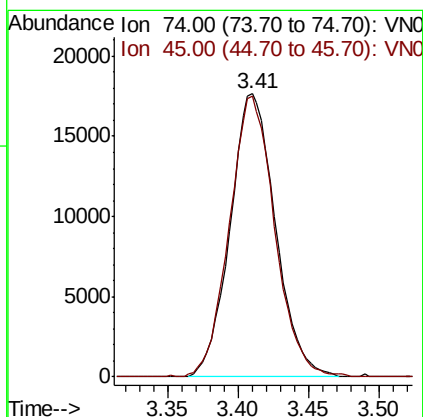
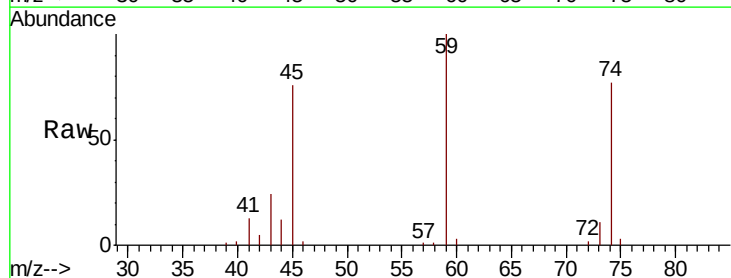
Tot Ion:101 Resp: 97894
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.8 79.2

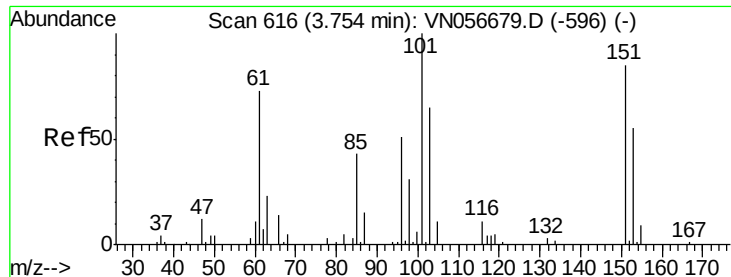


#8

Diethyl Ether
 Concen: 19.541 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion: 74 Resp: 39694
 Ion Ratio Lower Upper
 74 100
 45 99.0 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.558 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampled :

VN0718WBS01

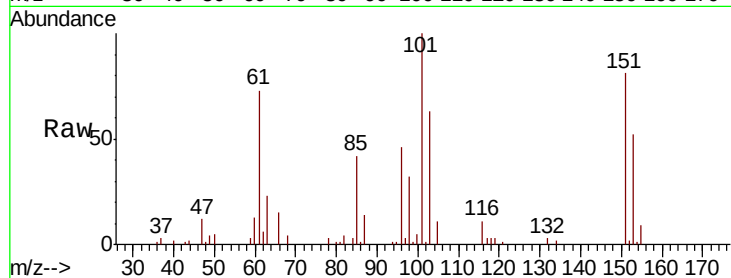
Tot Ion:101 Resp: 60580

Ion Ratio Lower Upper

101 100

85 42.2 0.0 84.2

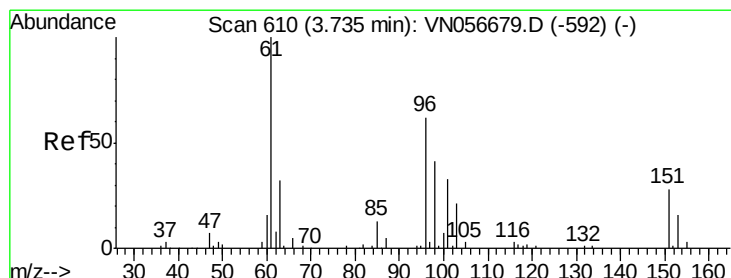
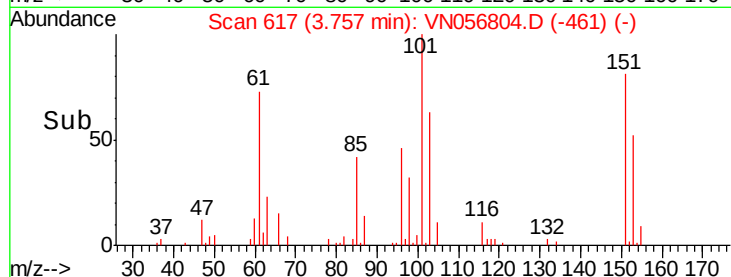
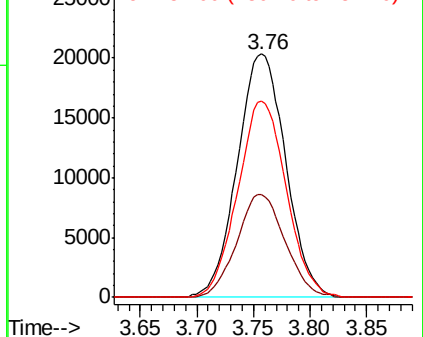
151 80.9 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.449 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

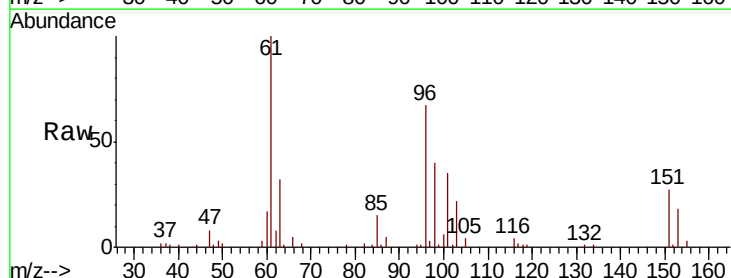
Tgt Ion: 96 Resp: 59431

Ion Ratio Lower Upper

96 100

61 149.4 129.0 193.4

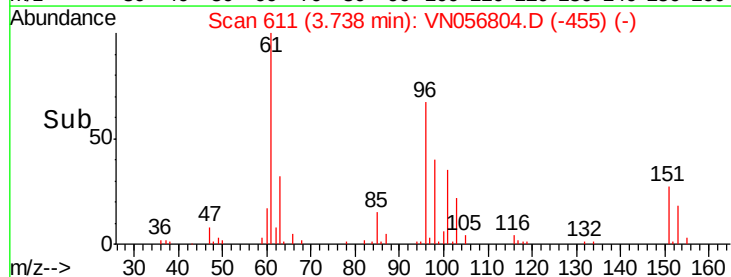
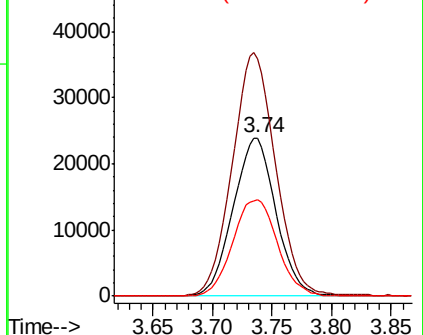
98 60.8 52.5 78.7

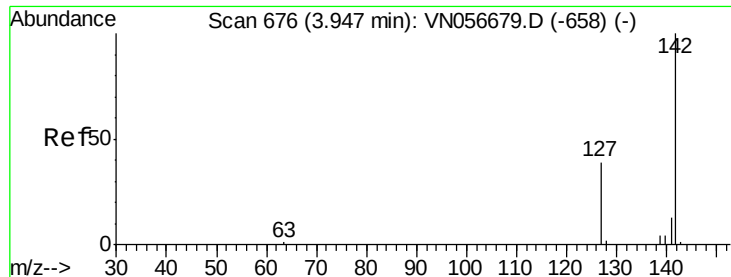


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

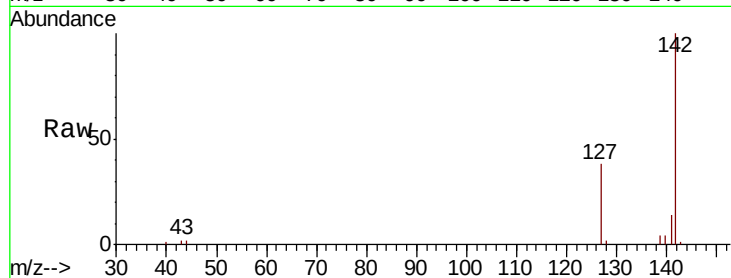




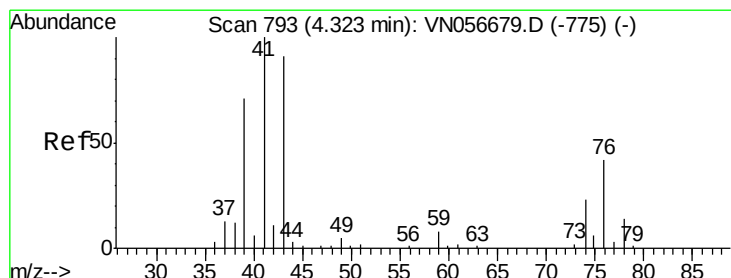
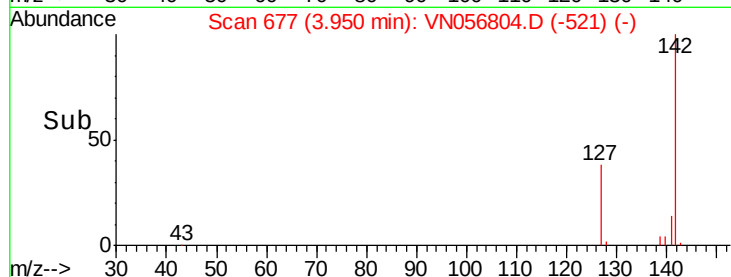
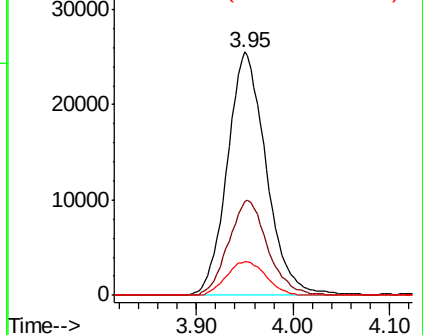
#11
Methyl Iodide
Concen: 17.556 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampled :
VN0718WBS01

Tot Ion:142 Resp: 71294
Ion Ratio Lower Upper
142 100
127 38.6 19.5 58.5
141 14.0 6.8 20.3

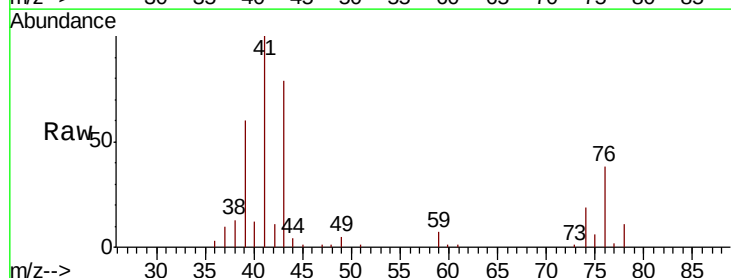


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

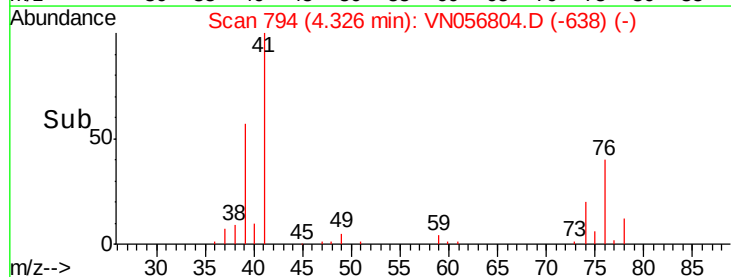
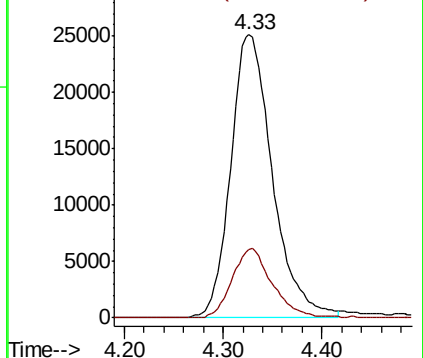


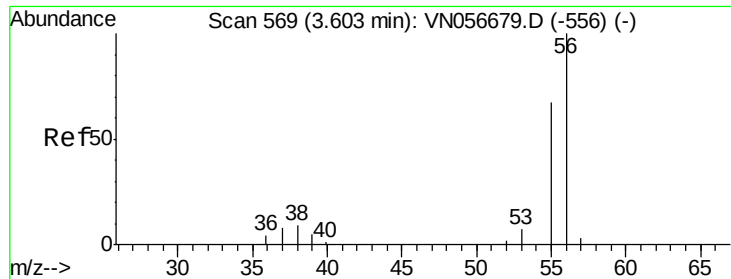
#12
Methyl Acetate
Concen: 18.047 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 43 Resp: 73819
Ion Ratio Lower Upper
43 100
74 24.3 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 110.275 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampled :

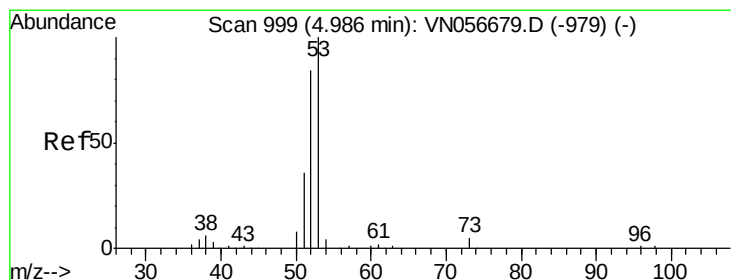
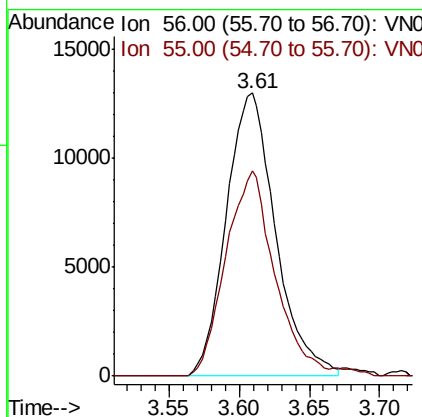
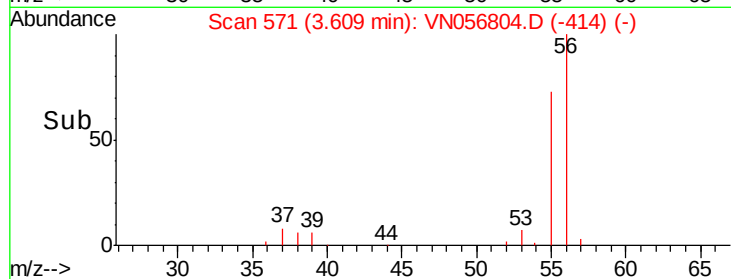
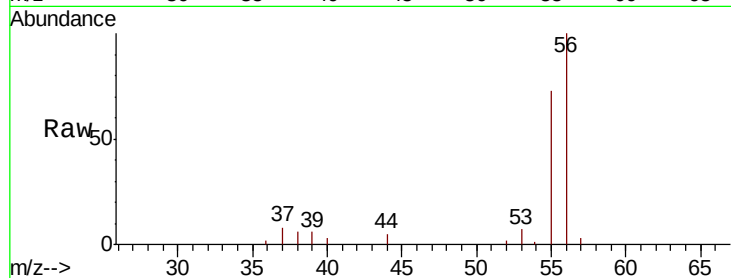
VN0718WBS01

Tot Ion: 56 Resp: 31802

Ion Ratio Lower Upper

56 100

55 71.9 56.9 85.3



#14

Acrylonitrile

Concen: 96.271 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

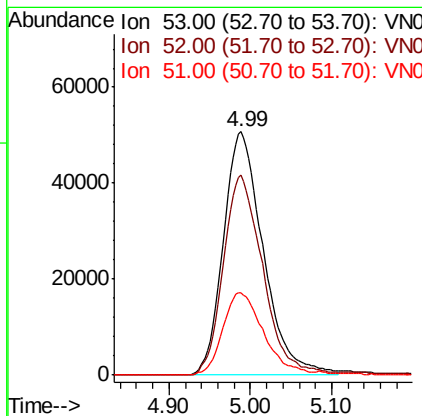
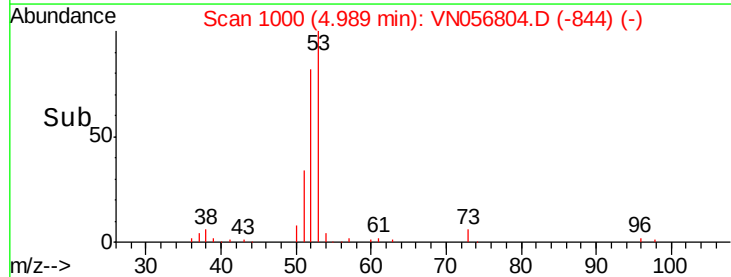
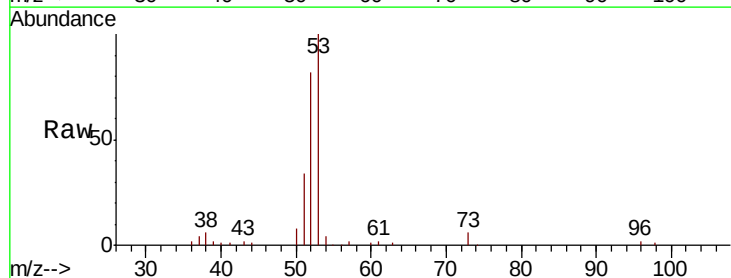
Tgt Ion: 53 Resp: 173471

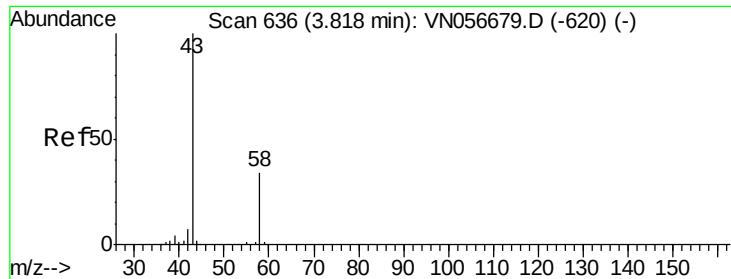
Ion Ratio Lower Upper

53 100

52 81.1 41.3 123.7

51 34.6 17.7 53.1





#15

Acetone

Concen: 87.107 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

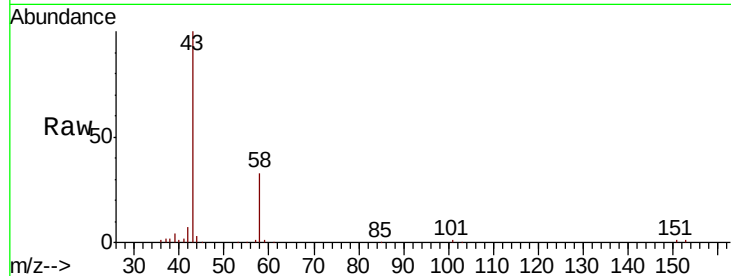
VN0718WBS01

Tot Ion: 58 Resp: 54180

Ion Ratio Lower Upper

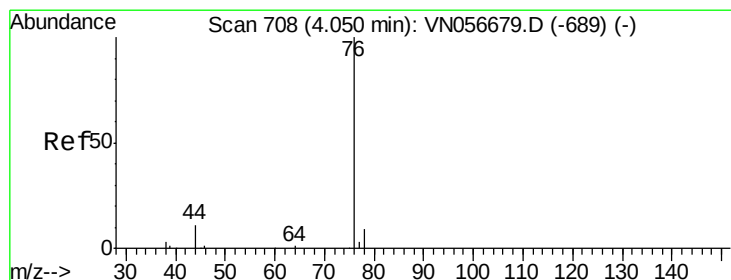
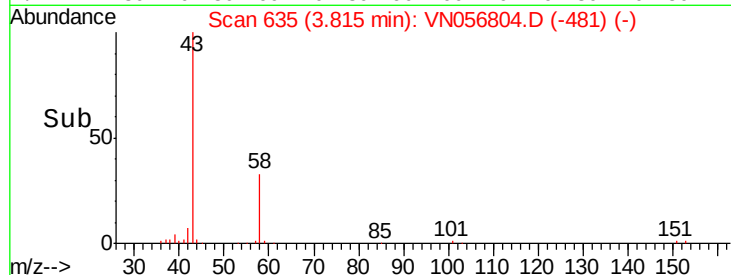
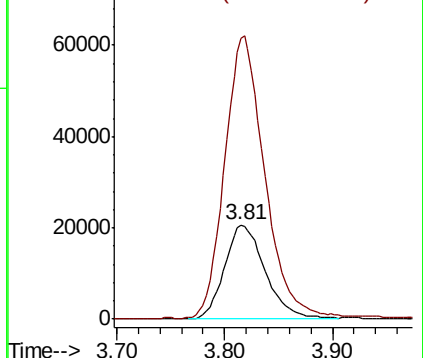
58 100

43 296.8 233.9 350.9



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.439 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN056804.D

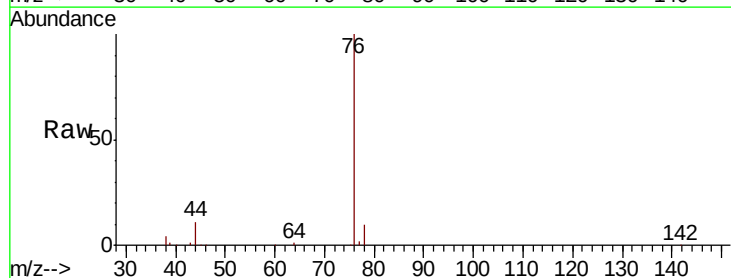
Acq: 18 Jul 2019 10:55

Tgt Ion: 76 Resp: 148610

Ion Ratio Lower Upper

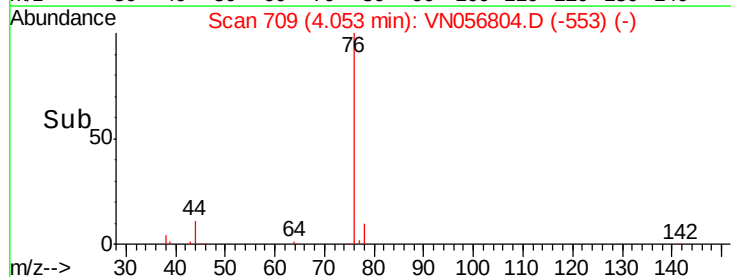
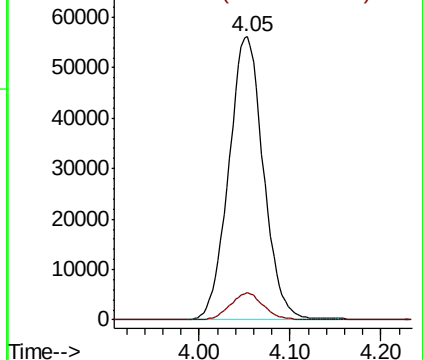
76 100

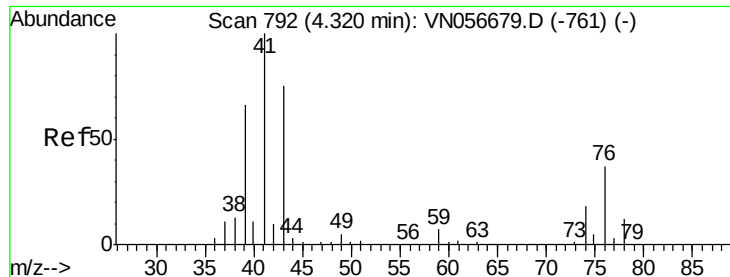
78 9.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

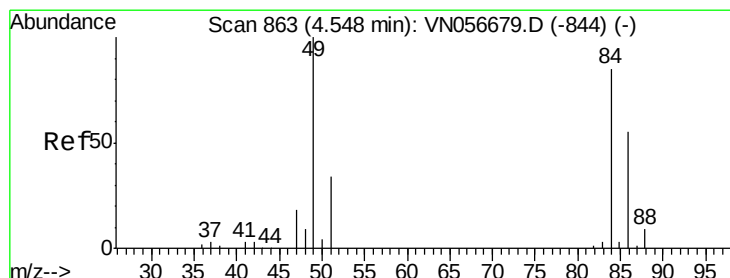
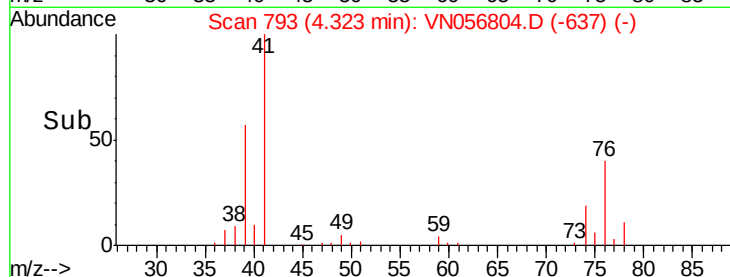
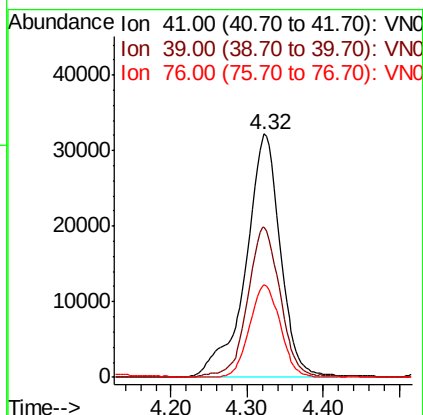
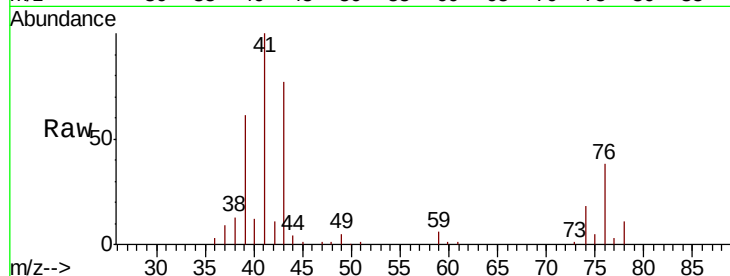




#17
Allvl chloride
Concen: 19.150 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

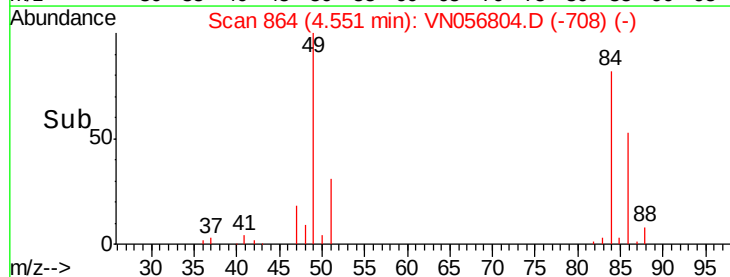
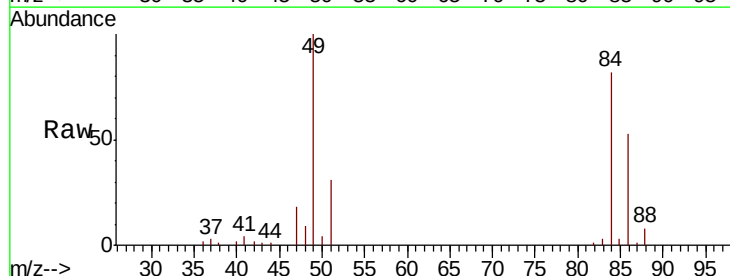
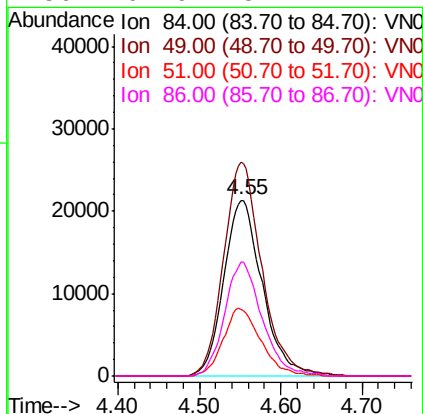
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

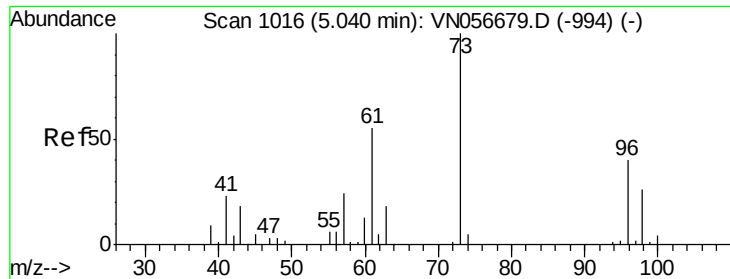
Tot Ion: 41 Resp: 102363
Ion Ratio Lower Upper
41 100
39 61.5 32.8 98.4
76 37.9 18.5 55.5



#18
Methylene Chloride
Concen: 19.634 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 84 Resp: 70440
Ion Ratio Lower Upper
84 100
49 121.6 93.9 140.9
51 37.9 31.7 47.5
86 64.9 51.4 77.2

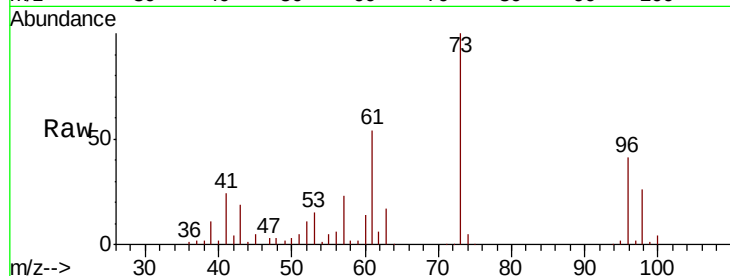




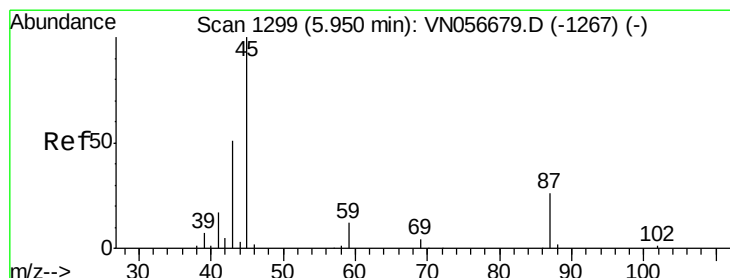
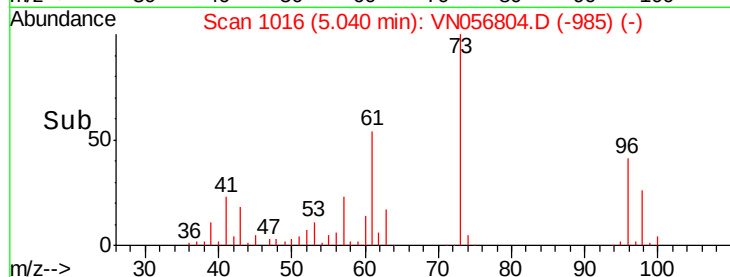
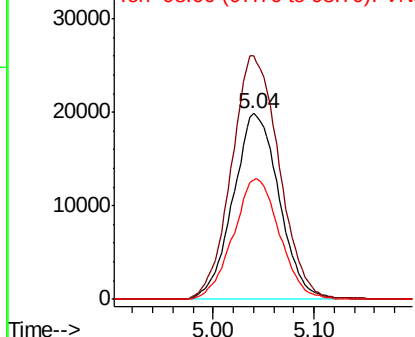
#19
trans-1,2-Dichloroethene
Concen: 19.241 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

Tot Ion: 96 Resp: 62944
Ion Ratio Lower Upper
96 100
61 131.0 109.6 164.4
98 64.3 51.4 77.2

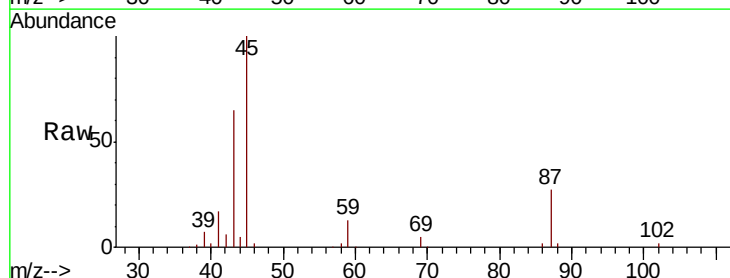


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

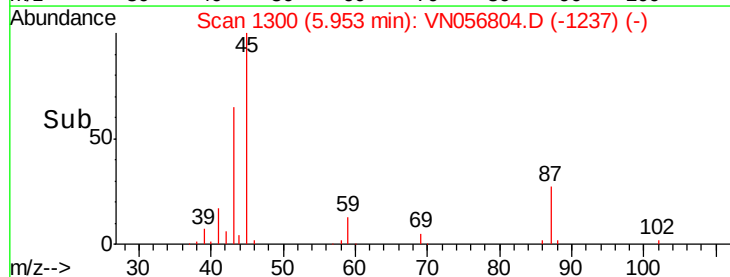
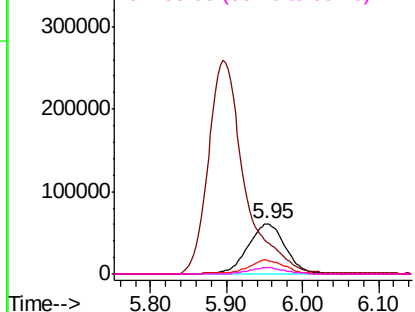


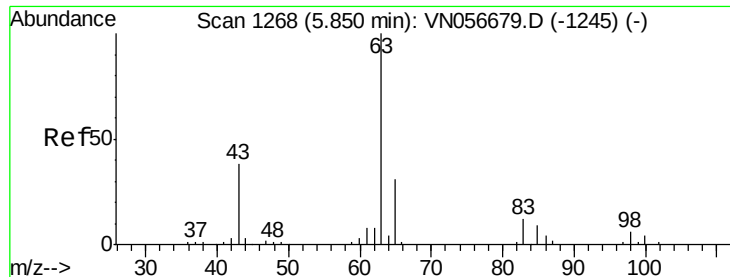
#20
Diisopropyl ether
Concen: 19.578 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 45 Resp: 208525
Ion Ratio Lower Upper
45 100
43 62.4 50.3 75.5
87 27.2 21.4 32.0
59 12.7 9.7 14.5



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

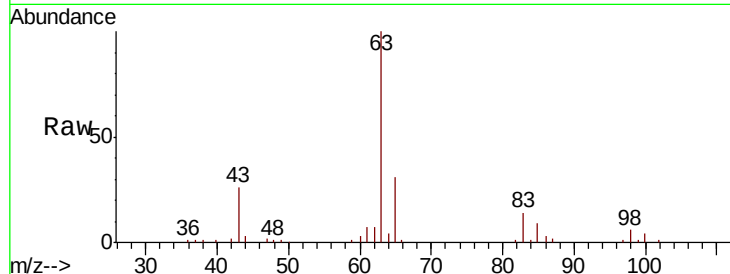




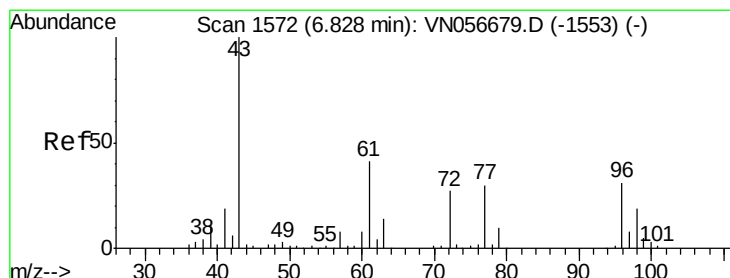
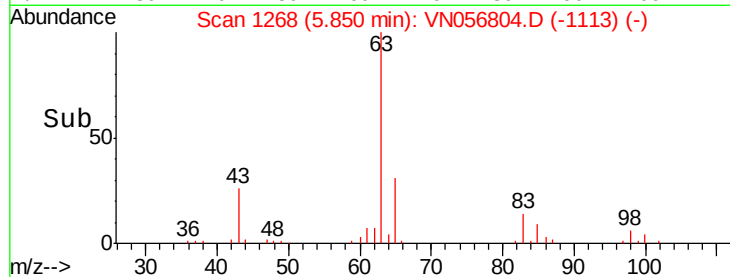
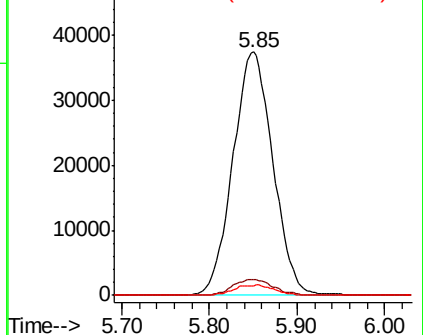
#21
 1,1-Dichloroethane
 Concen: 19.519 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.1	2.1	6.3

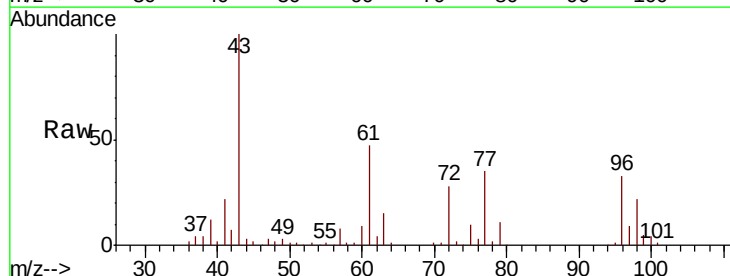


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

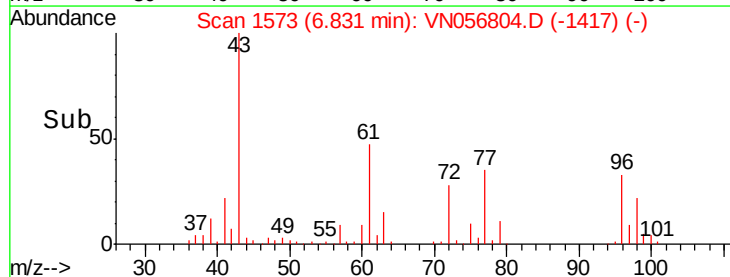
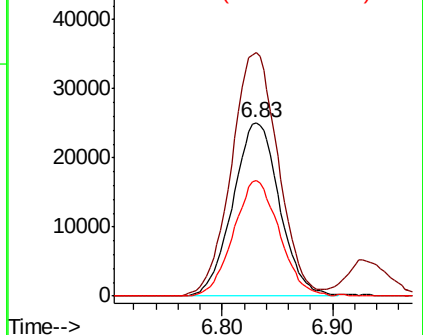


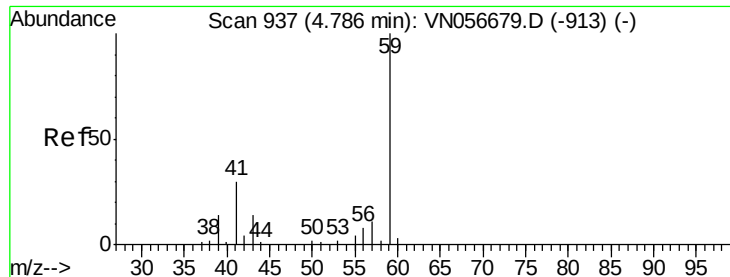
#22
 cis-1,2-Dichloroethene
 Concen: 19.184 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.7	112.1	168.1
98	65.5	52.2	78.2



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



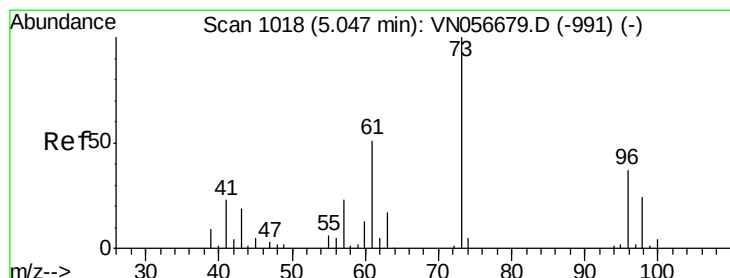
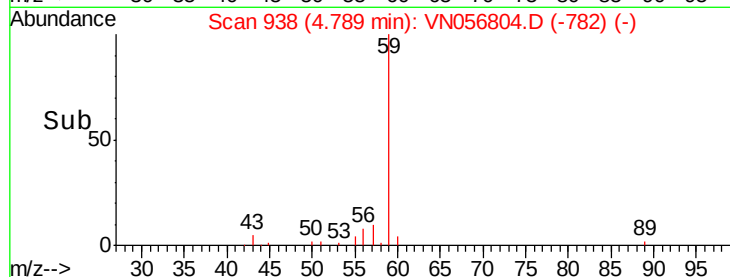
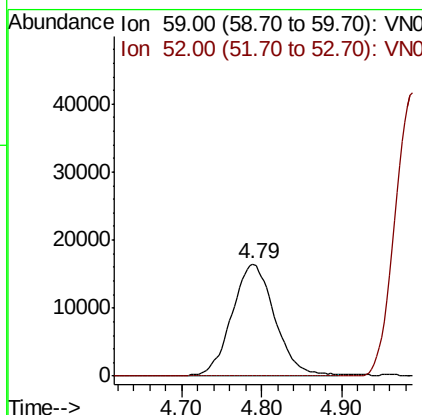
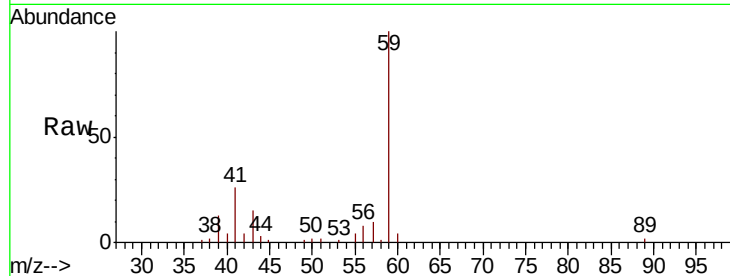


#23

tert-Butyl Alcohol
 Concen: 95.923 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

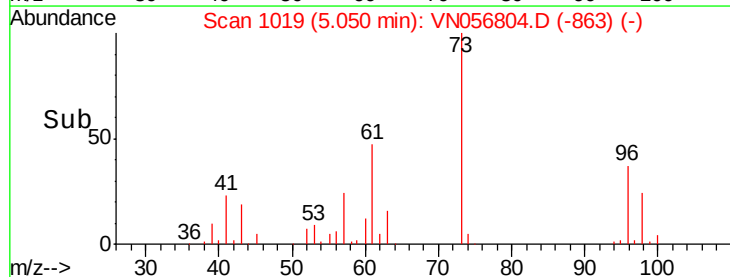
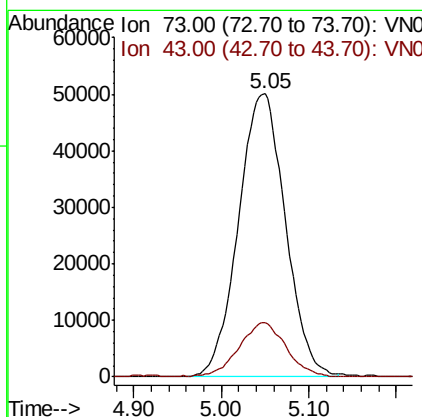
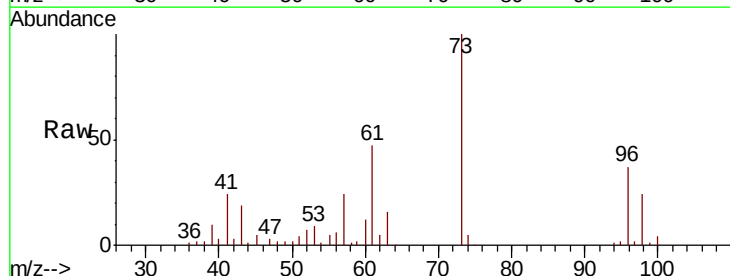
Tot Ion: 59 Resp: 60294
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

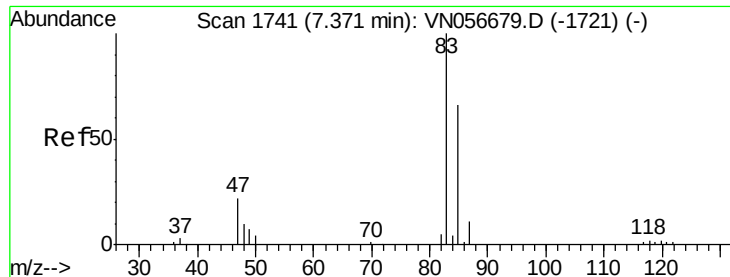


#24

Methyl tert-Butyl Ether
 Concen: 19.146 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion: 73 Resp: 186609
 Ion Ratio Lower Upper
 73 100
 43 19.3 15.1 22.7

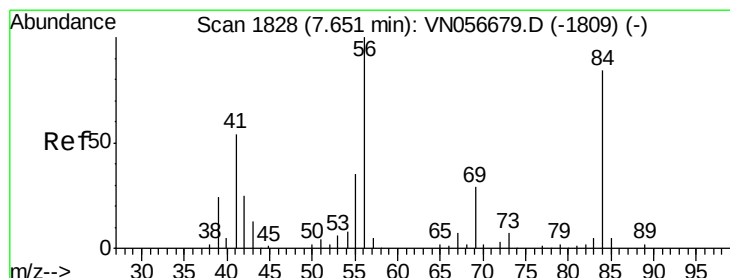
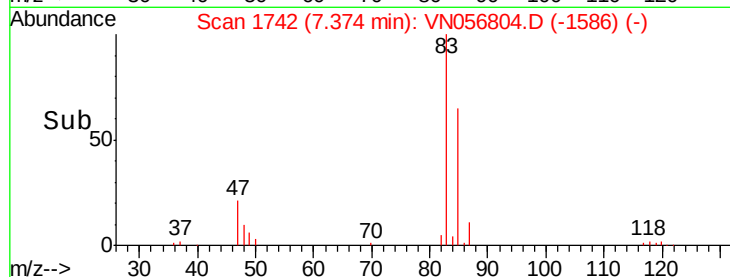
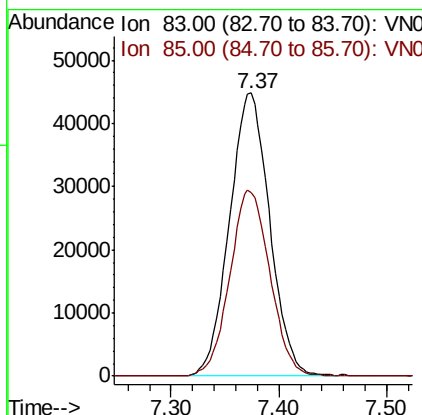
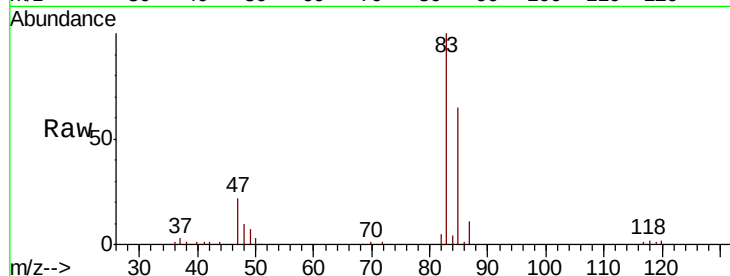




#25
Chloroform
Concen: 19.630 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

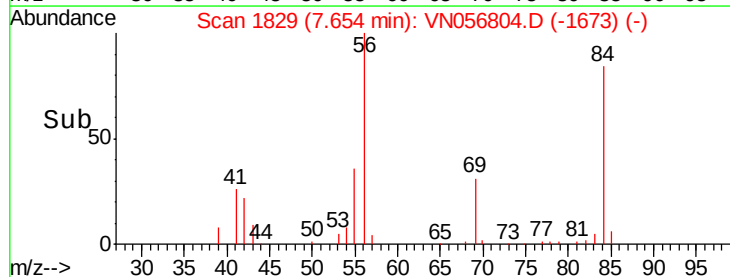
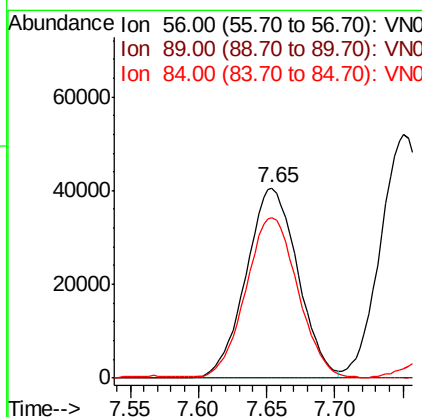
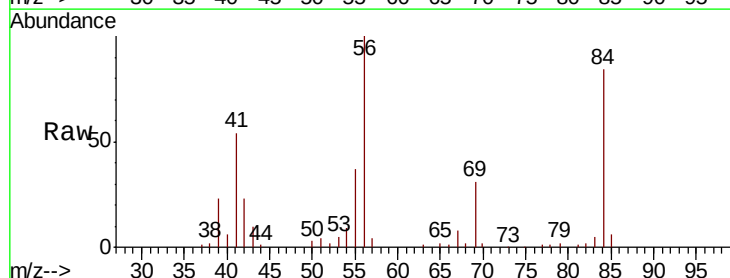
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

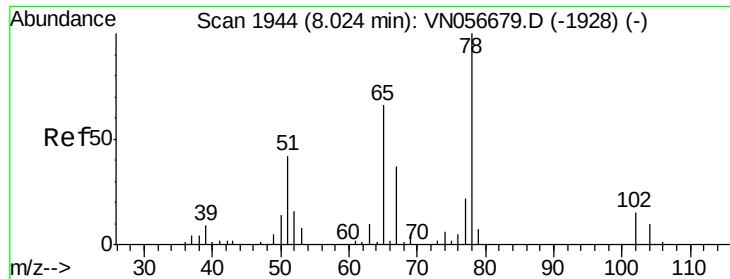
Tot Ion: 83 Resp: 116383
Ion Ratio Lower Upper
83 100
85 65.1 52.6 79.0



#26
Cyclohexane
Concen: 18.866 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 56 Resp: 106719
Ion Ratio Lower Upper
56 100
89 0.0 1.4 2.2#
84 85.3 68.2 102.4

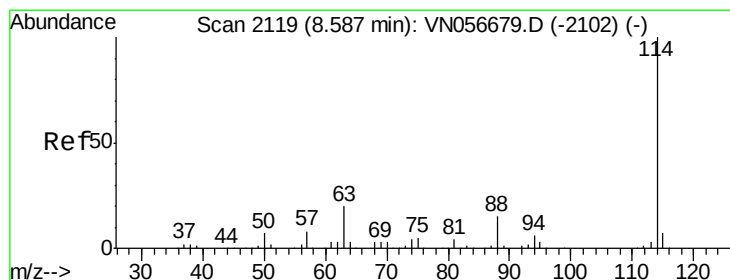
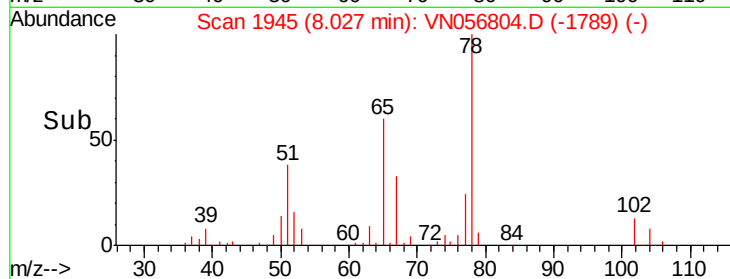
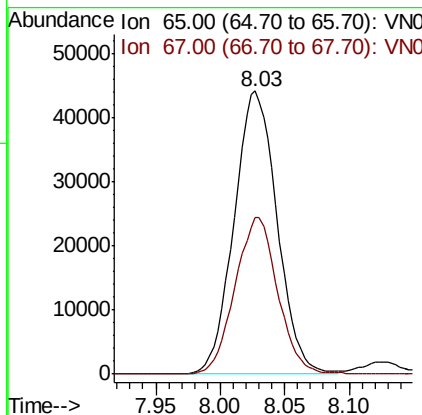
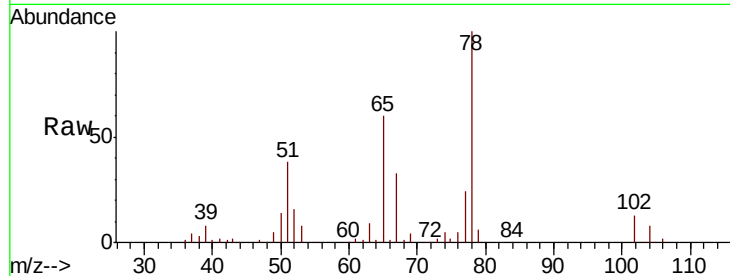




#27
 1,2-Dichloroethane-d4
 Concen: 29.192 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

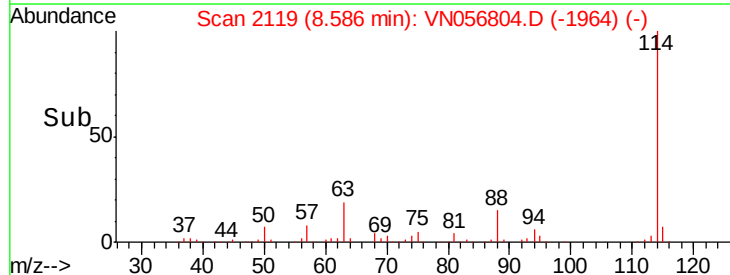
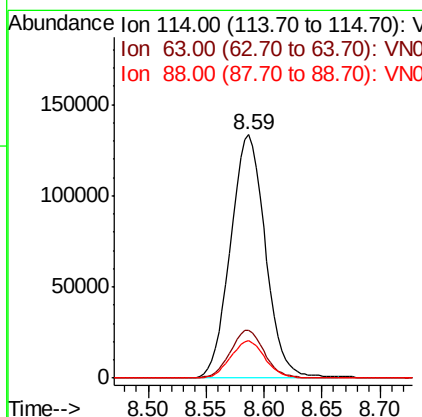
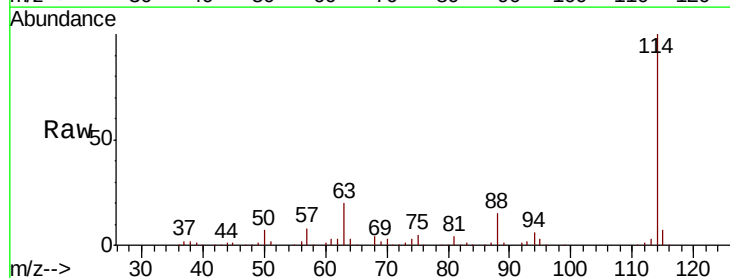
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

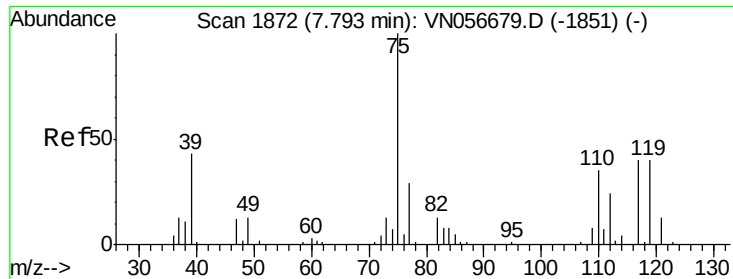
Tot Ion: 65 Resp: 102451
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion: 114 Resp: 278379
 Ion Ratio Lower Upper
 114 100
 63 19.2 16.2 24.2
 88 15.1 12.3 18.5

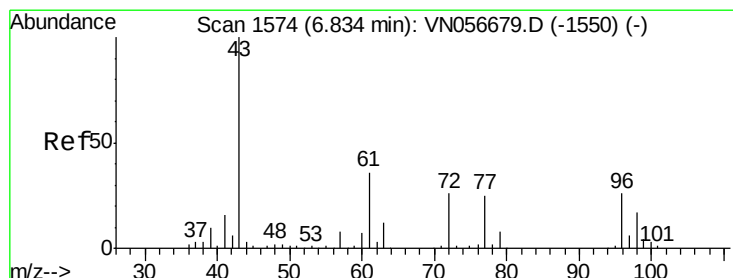
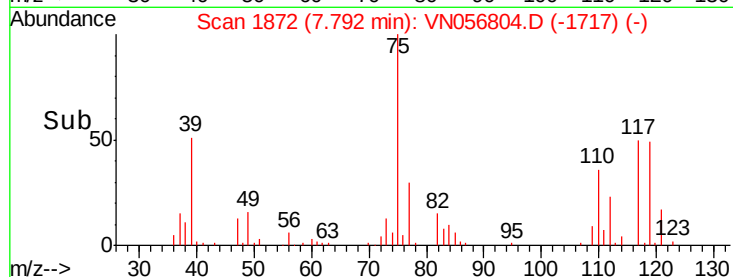
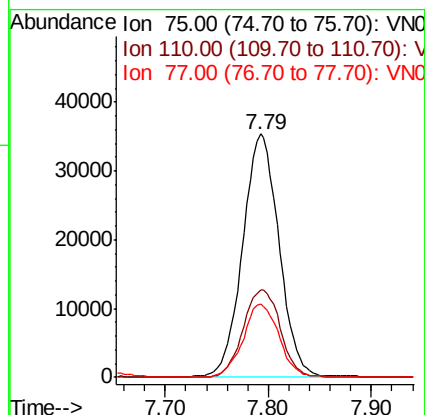
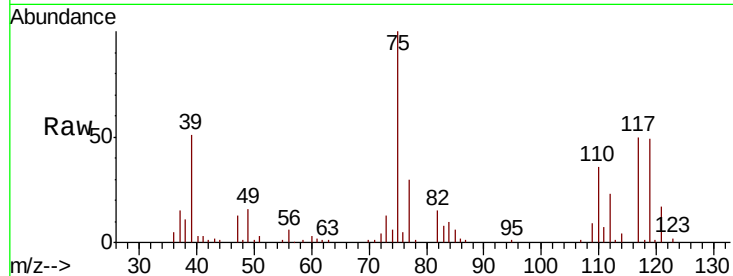




#29
 1,1-Dichloropropene
 Concen: 19.627 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

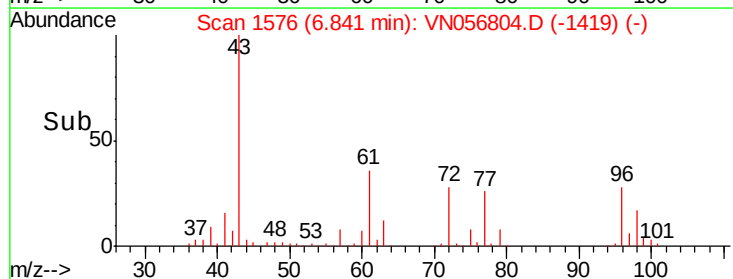
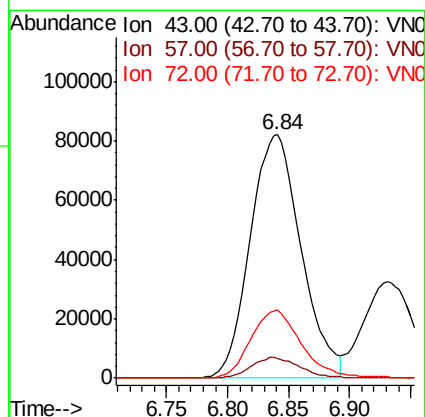
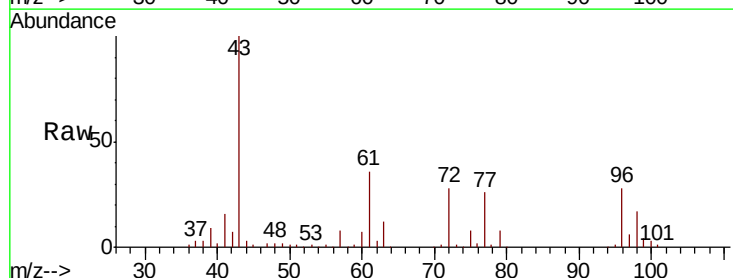
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

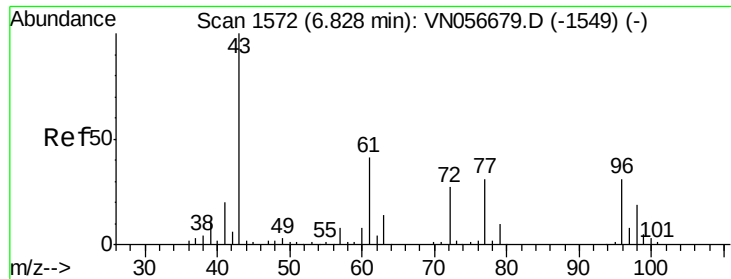
Tot Ion: 75 Resp: 86852
 Ion Ratio Lower Upper
 75 100
 110 36.5 0.0 72.4
 77 29.6 0.0 62.2



#30
 2-Butanone
 Concen: 92.531 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion: 43 Resp: 237064
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.6 10.0
 72 27.9 21.3 31.9

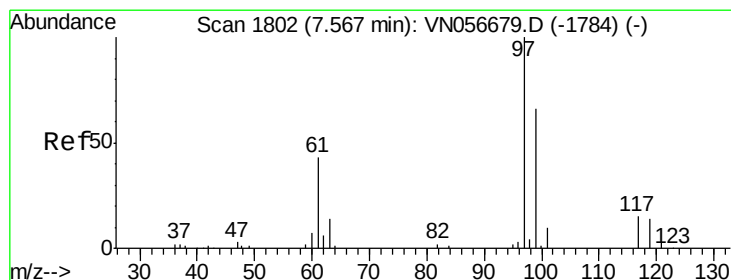
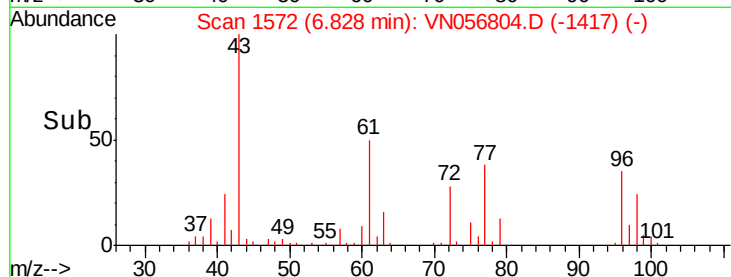
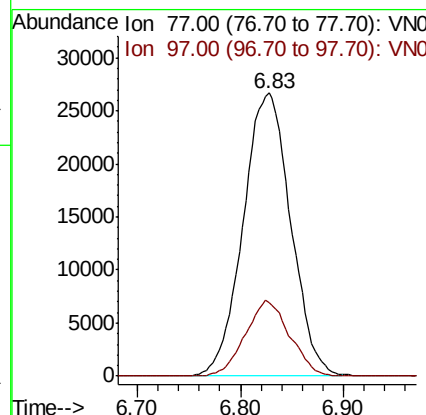
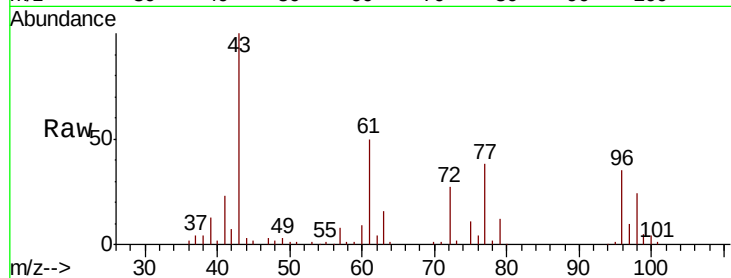




#31
 2,2-Dichloropropane
 Concen: 19.962 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

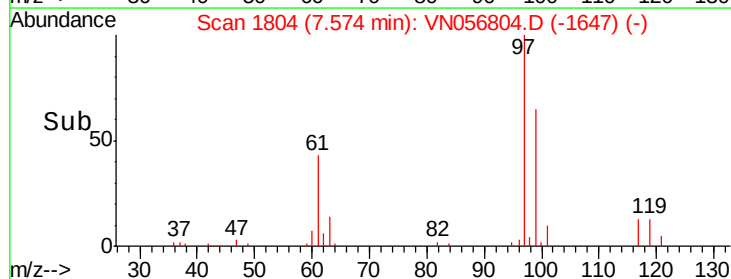
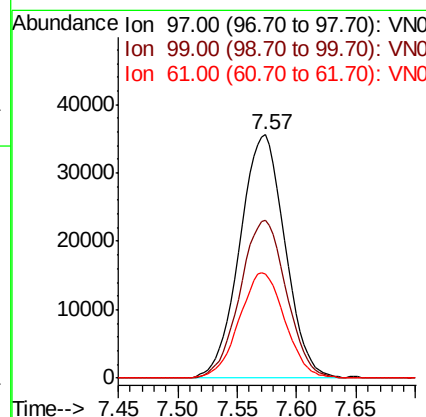
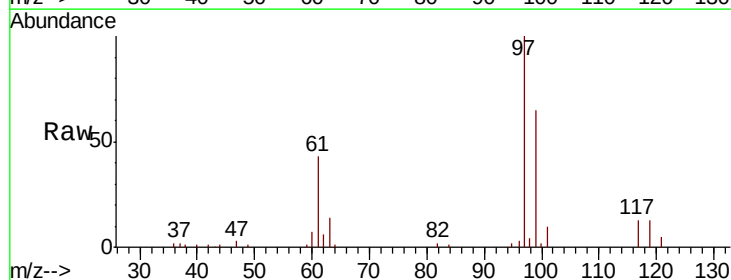
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

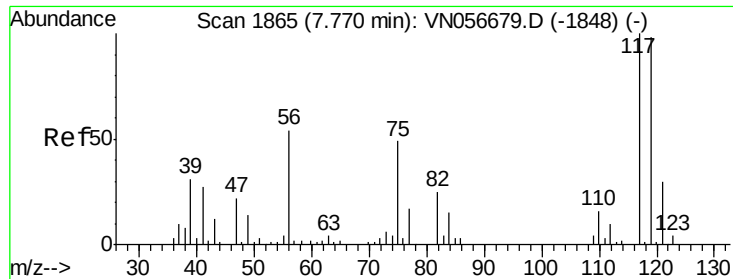
Tot Ion: 77 Resp: 85490
 Ion Ratio Lower Upper
 77 100
 97 24.9 19.7 29.5



#32
 1,1,1-Trichloroethane
 Concen: 19.854 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion: 97 Resp: 93647
 Ion Ratio Lower Upper
 97 100
 99 66.3 52.0 78.0
 61 43.8 34.4 51.6





#33

Carbon Tetrachloride

Concen: 20.081 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.01 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

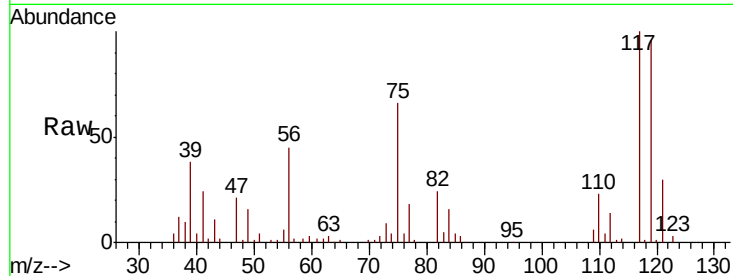
Tot Ion:117 Resp: 81509

Ion Ratio Lower Upper

117 100

119 96.0 78.7 118.1

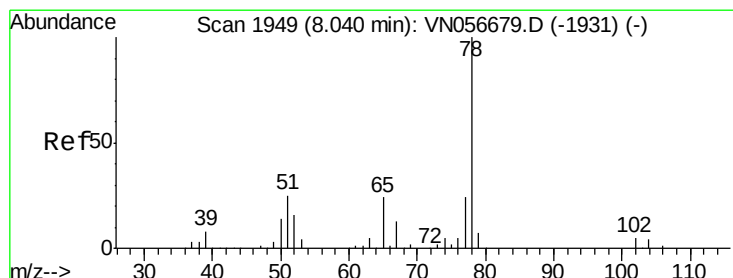
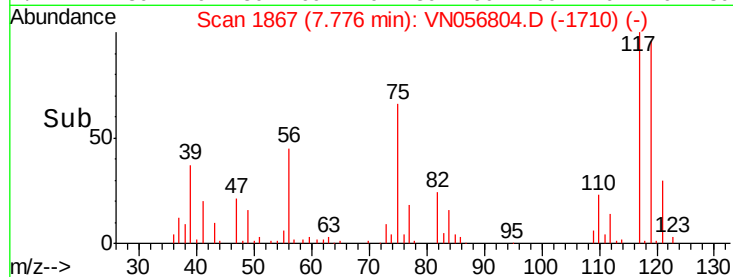
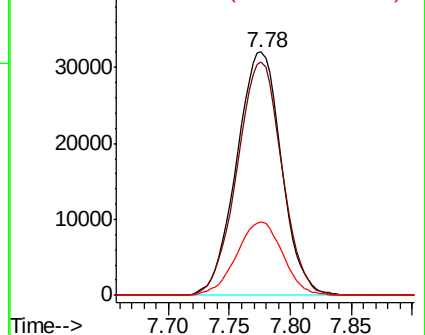
121 30.2 24.0 36.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.374 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

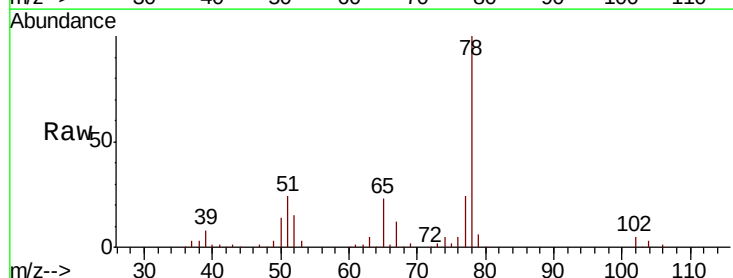
Tgt Ion: 78 Resp: 277016

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.4

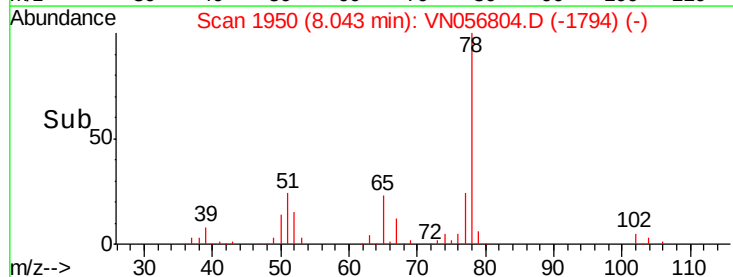
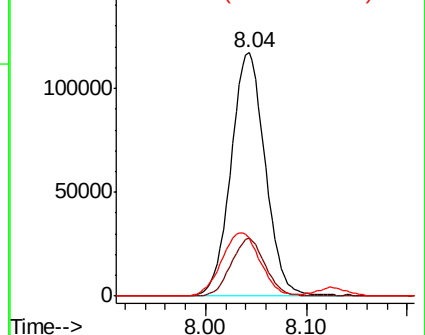
51 23.3 19.7 29.5

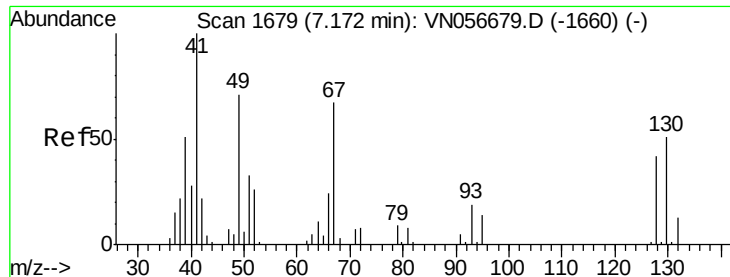


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

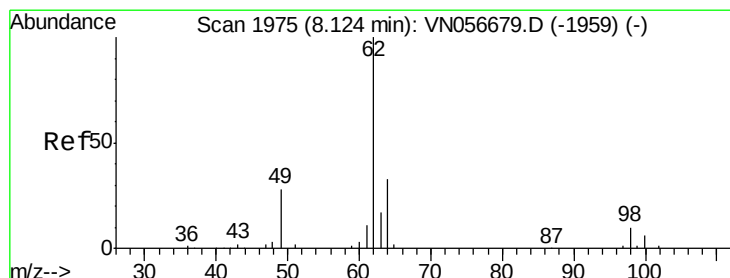
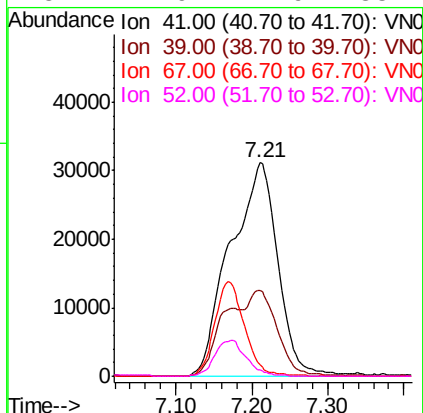
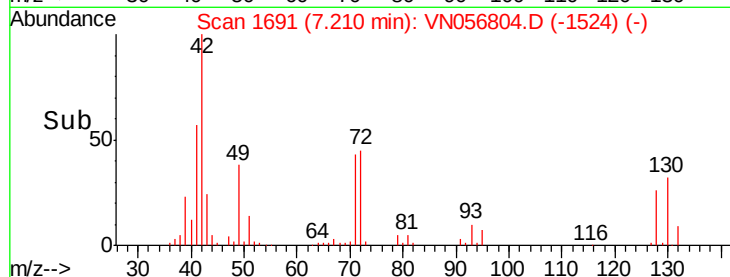
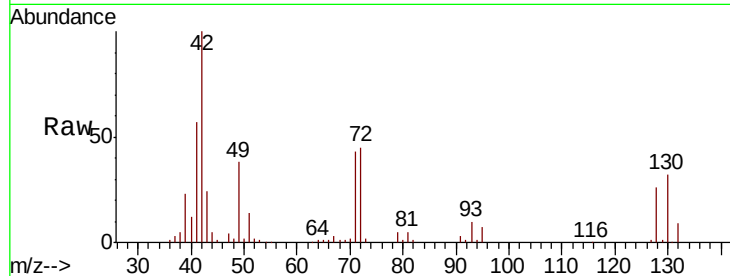




#35
Methacrylonitrile
Concen: 68.995 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

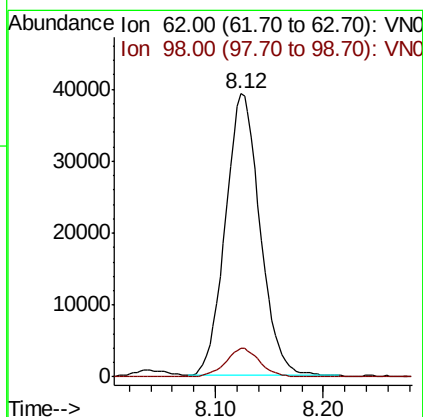
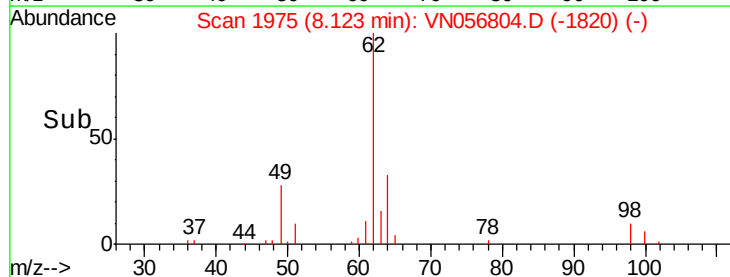
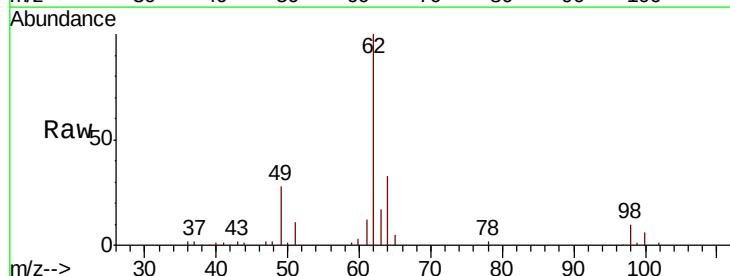
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

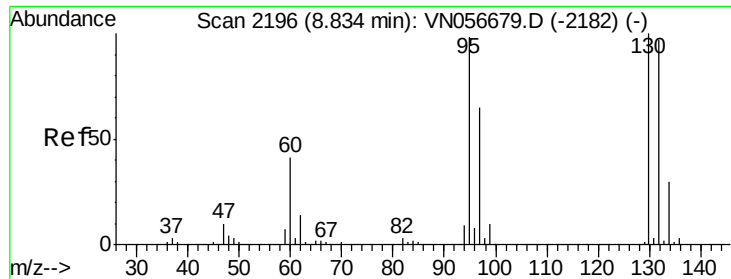
Tot Ion: 41 Resp: 135040
Ion Ratio Lower Upper
41 100
39 39.9 25.4 76.2
67 5.4 33.6 100.8#
52 2.9 12.9 38.7#



#36
1,2-Dichloroethane
Concen: 20.065 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 62 Resp: 87633
Ion Ratio Lower Upper
62 100
98 9.9 7.7 11.5

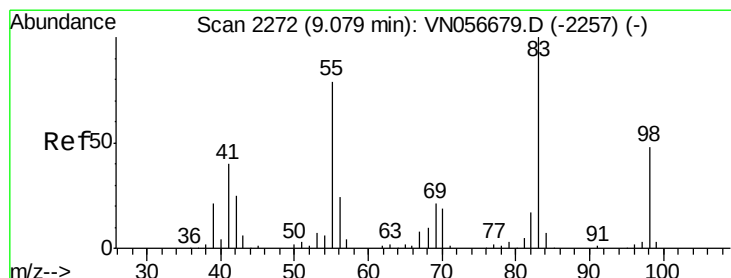
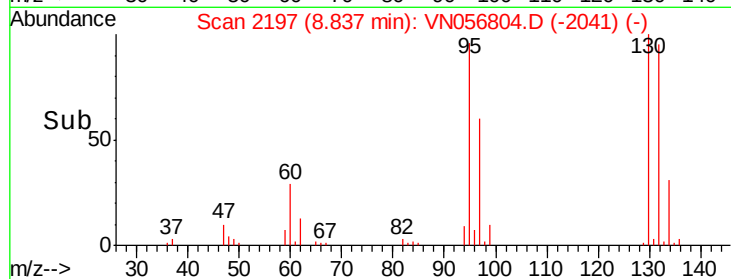
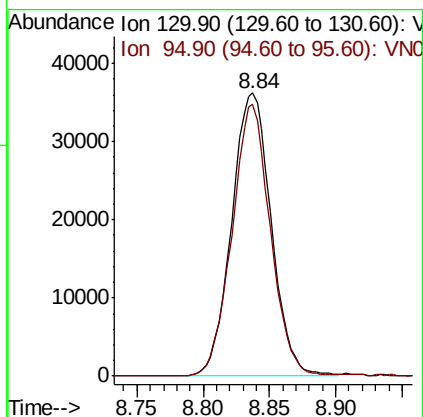
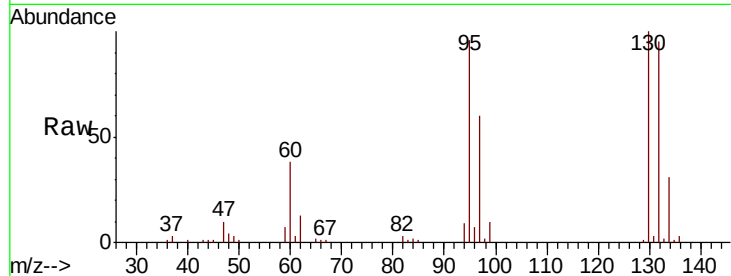




#37
 Trichloroethene
 Concen: 20.325 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

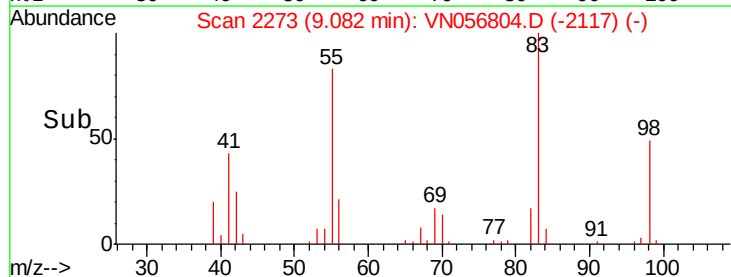
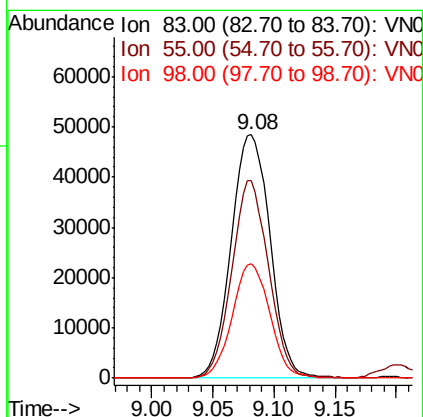
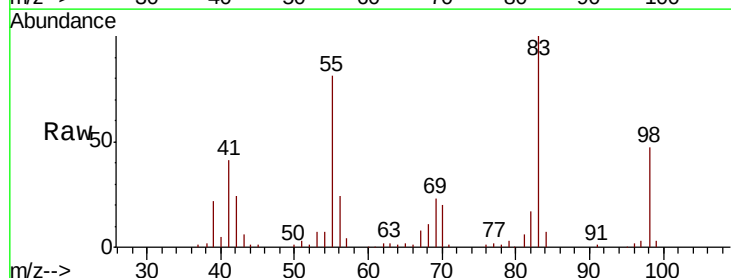
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

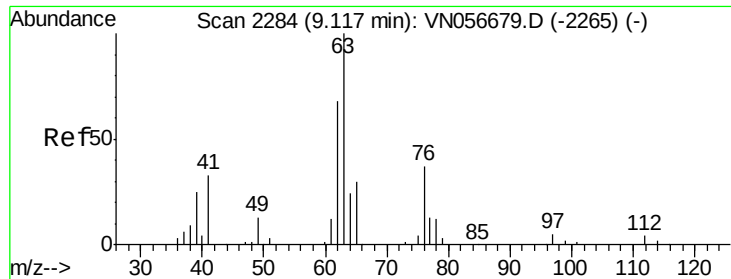
Tot Ion:130 Resp: 75050
 Ion Ratio Lower Upper
 130 100
 95 96.3 78.4 117.6



#38
 Methylcyclohexane
 Concen: 19.186 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion: 83 Resp: 107253
 Ion Ratio Lower Upper
 83 100
 55 76.4 38.4 115.2
 98 45.3 23.3 69.9





#39

1,2-Dichloropropane

Concen: 20.215 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

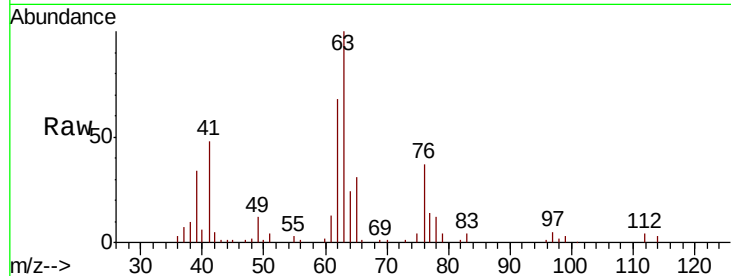
VN0718WBS01

Tot Ion: 63 Resp: 73772

Ion Ratio Lower Upper

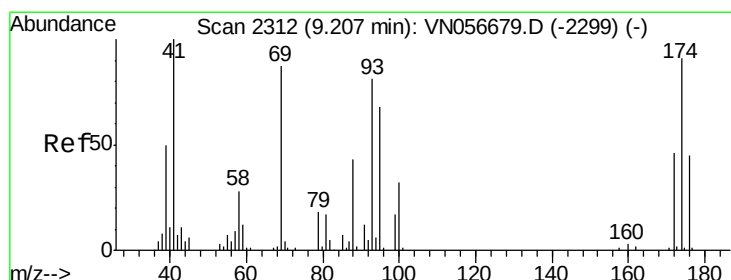
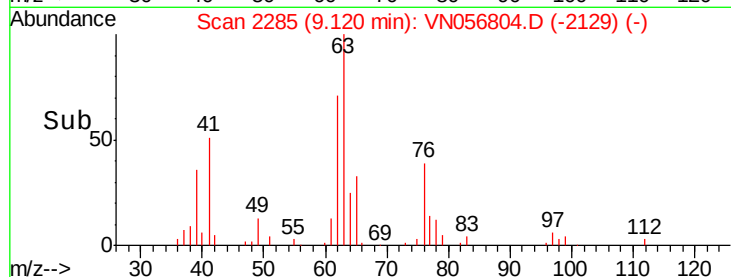
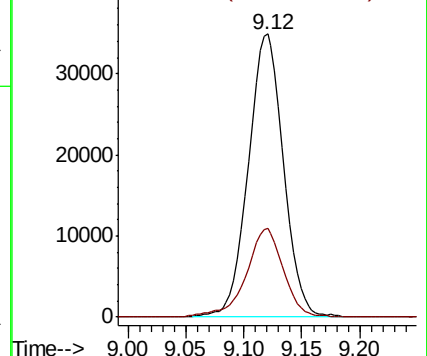
63 100

65 31.3 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.945 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

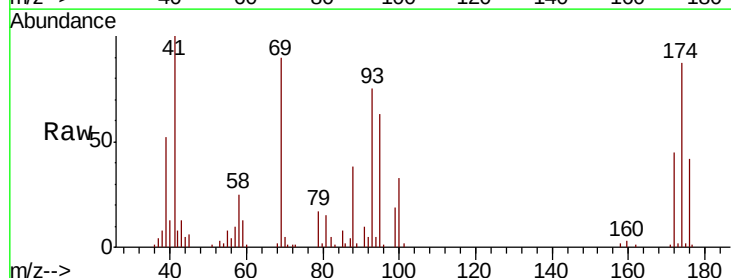
Tgt Ion: 93 Resp: 46362

Ion Ratio Lower Upper

93 100

95 85.0 0.0 167.0

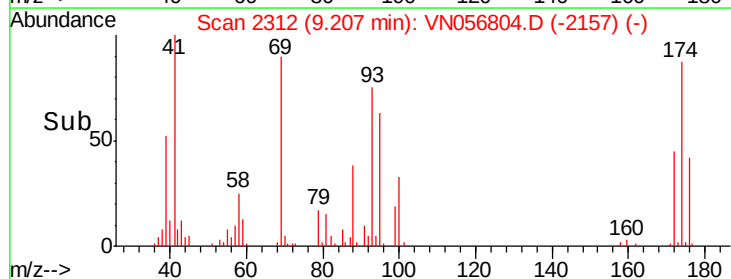
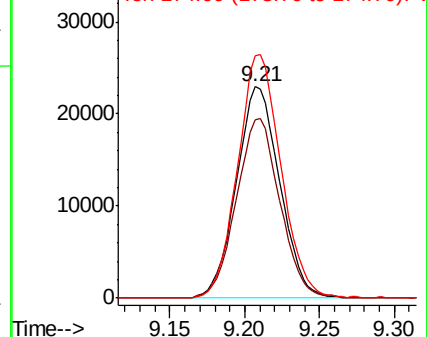
174 115.0 0.0 224.2

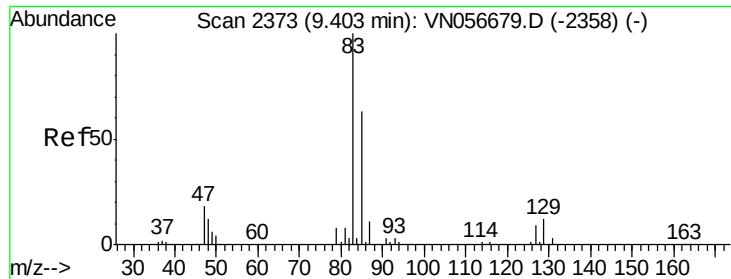


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 20.069 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

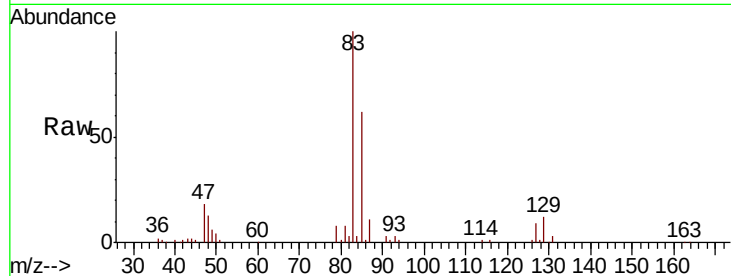
Tot Ion: 83 Resp: 85976

Ion Ratio Lower Upper

83 100

85 61.9 50.1 75.1

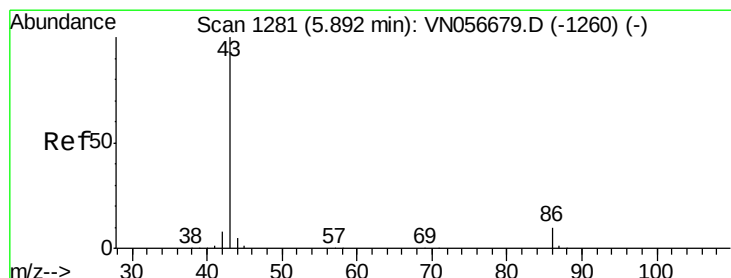
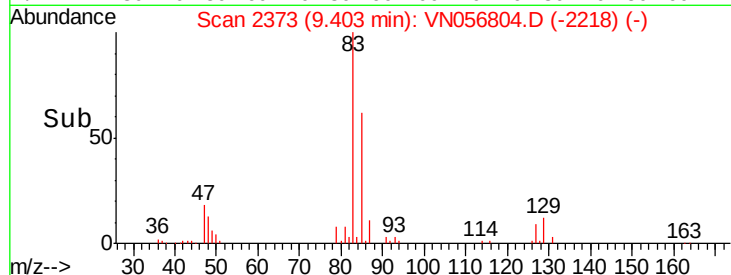
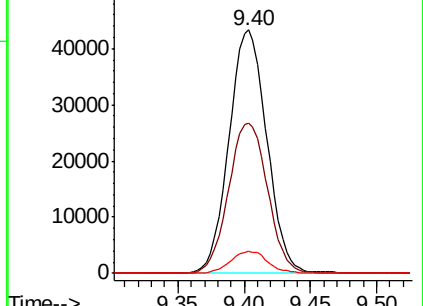
127 9.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN056679.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN056679.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN056679.D (-2358) (-)



#42

Vinyl Acetate

Concen: 100.218 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056804.D

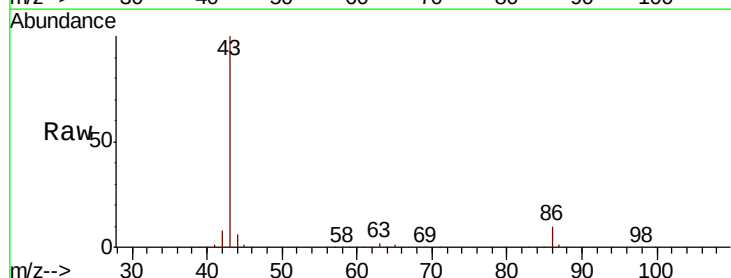
Acq: 18 Jul 2019 10:55

Tgt Ion: 43 Resp: 854536

Ion Ratio Lower Upper

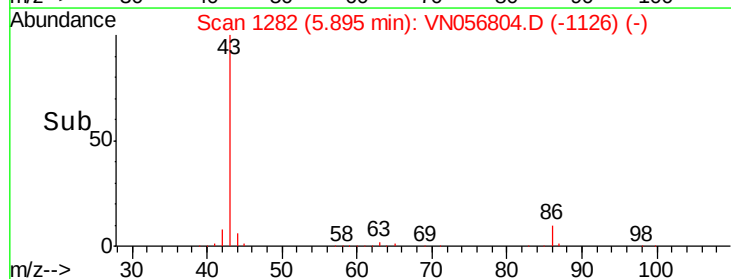
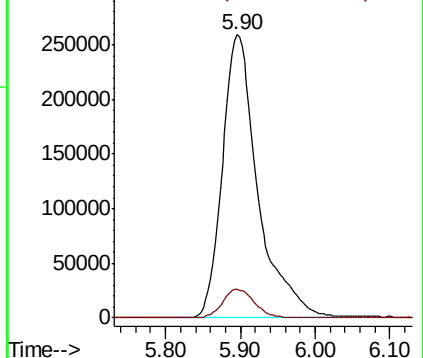
43 100

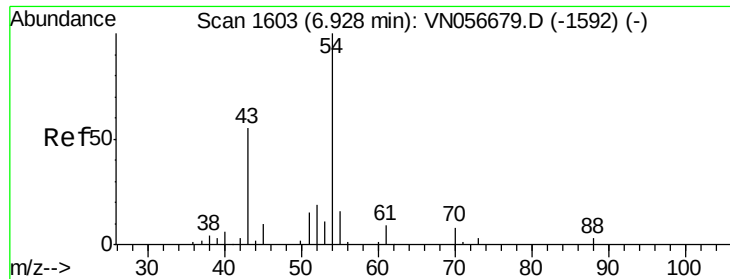
86 9.1 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN056679.D (-1260) (-)

Ion 86.00 (85.70 to 86.70): VN056679.D (-1260) (-)

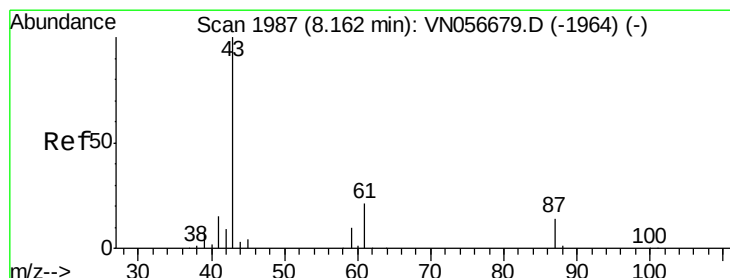
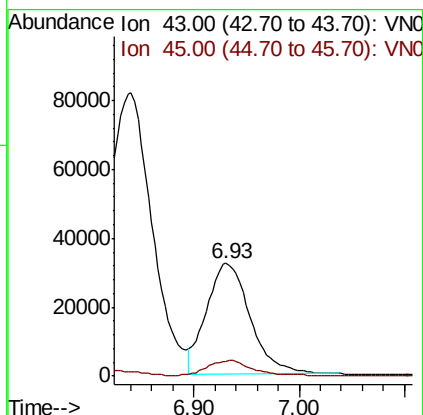
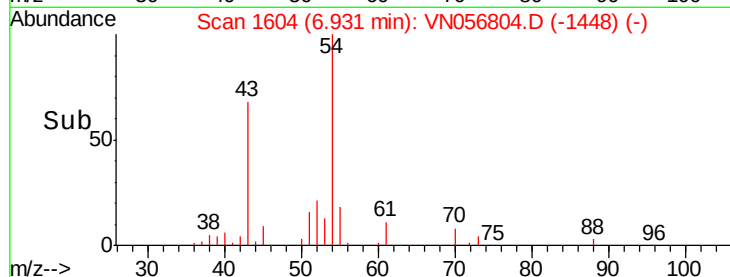
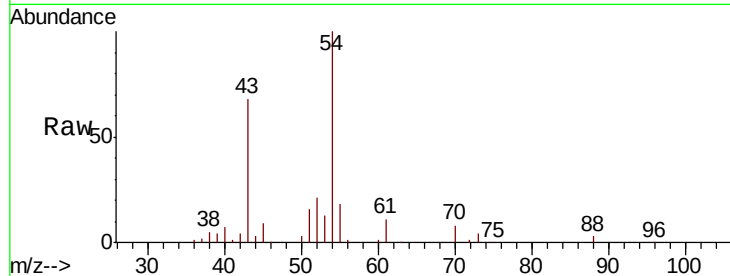




#43
Ethyl Acetate
Concen: 20.158 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

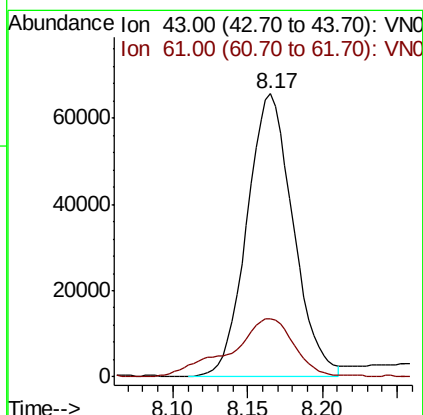
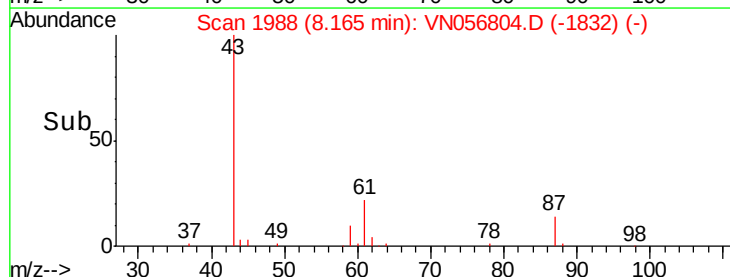
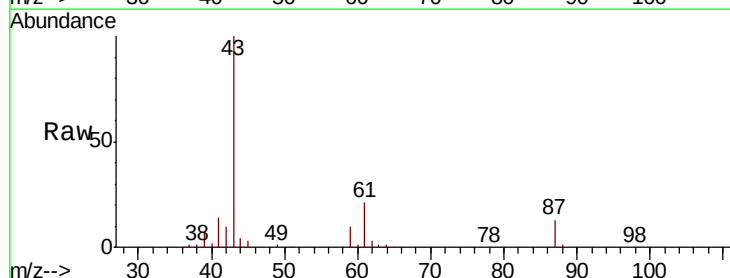
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

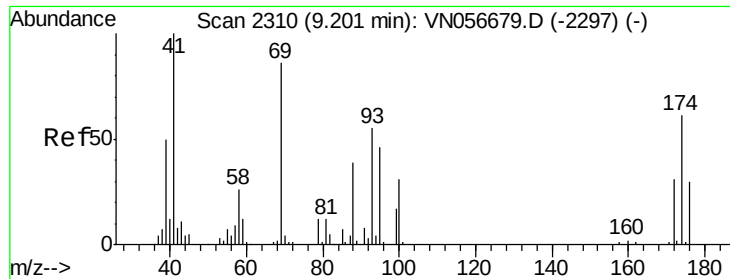
Tot Ion: 43 Resp: 93328
Ion Ratio Lower Upper
43 100
45 13.8 11.2 16.8



#44
Isopropyl Acetate
Concen: 19.372 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 43 Resp: 139886
Ion Ratio Lower Upper
43 100
61 28.9 22.6 33.8

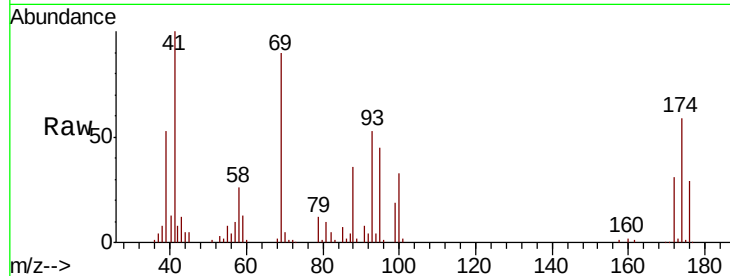




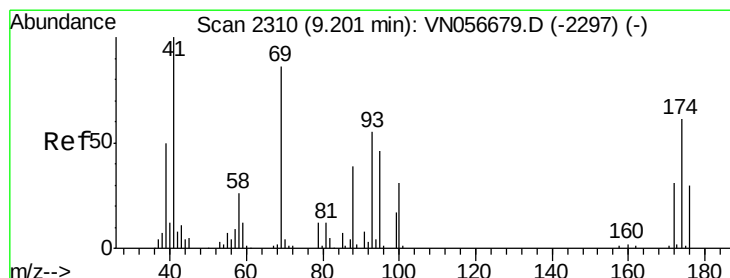
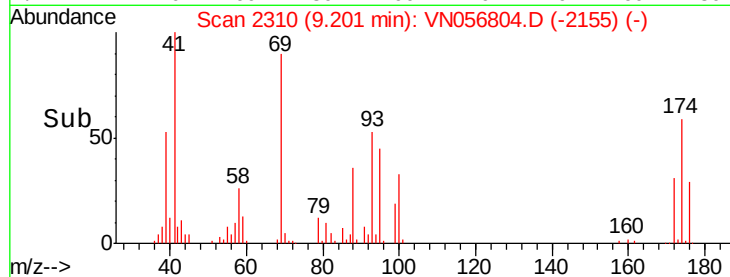
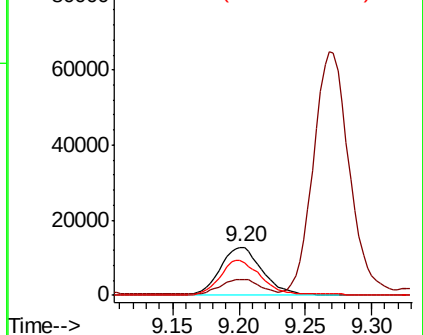
#45
 1,4-Dioxane
 Concen: 387.335 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Tot Ion: 88 Resp: 28296
 Ion Ratio Lower Upper
 88 100
 43 28.8 23.0 34.6
 58 71.1 54.6 81.8

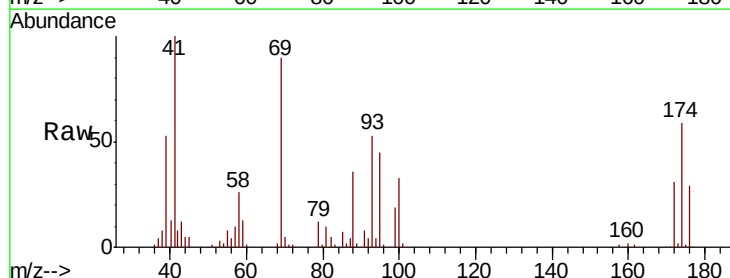


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

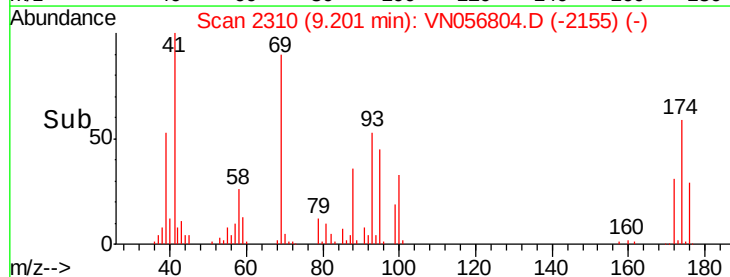
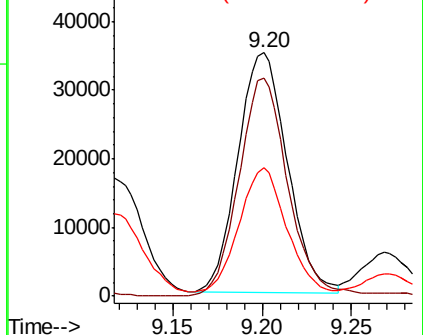


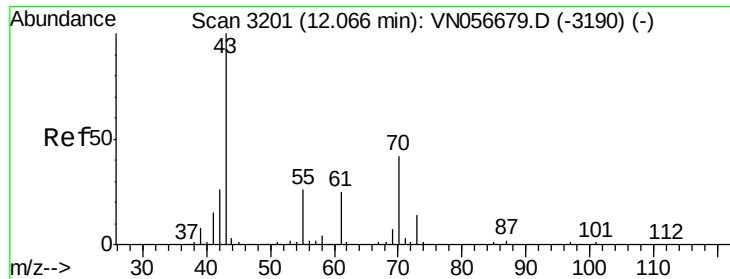
#46
 Methyl methacrylate
 Concen: 19.485 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion: 41 Resp: 67594
 Ion Ratio Lower Upper
 41 100
 69 91.4 43.0 129.0
 39 51.8 25.1 75.4



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 18.081 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

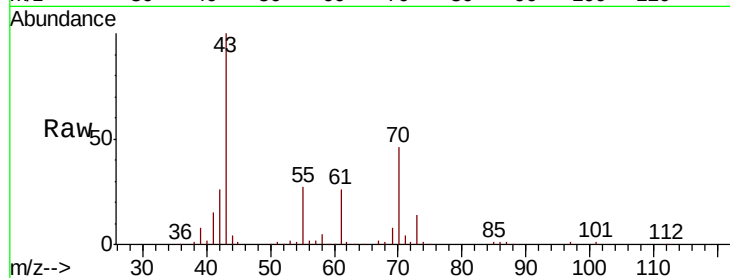
VN0718WBS01

Tot Ion: 43 Resp: 106781

Ion Ratio Lower Upper

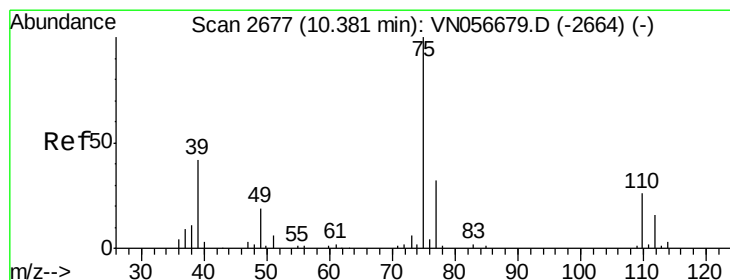
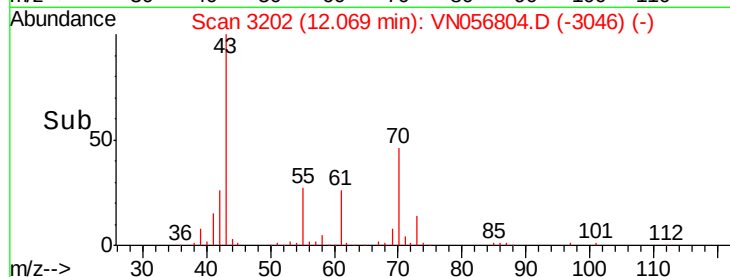
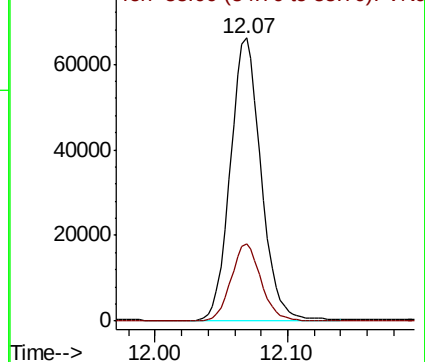
43 100

55 26.4 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.823 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056804.D

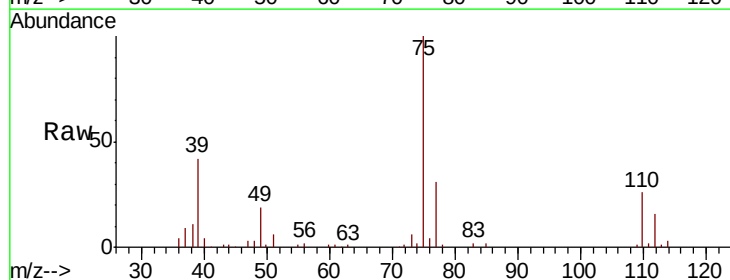
Acq: 18 Jul 2019 10:55

Tgt Ion: 75 Resp: 88699

Ion Ratio Lower Upper

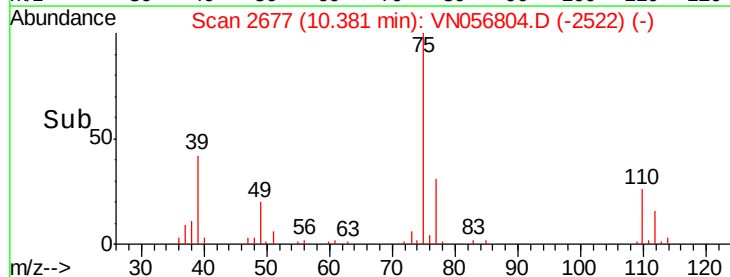
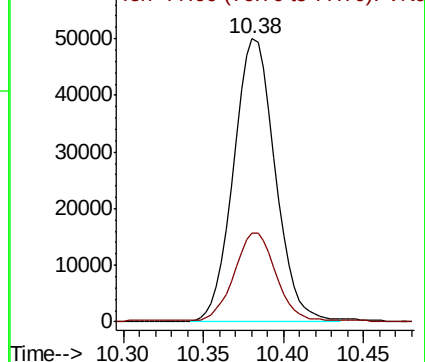
75 100

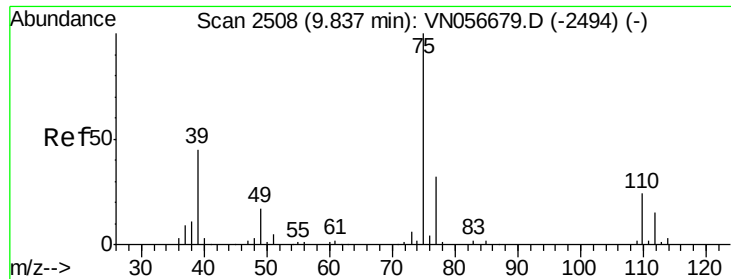
77 30.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

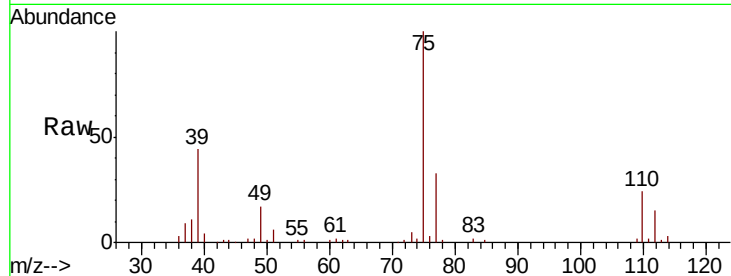




#49
 cis-1,3-Dichloropropene
 Concen: 19.766 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.0	39.0
39	43.9	36.2	54.4

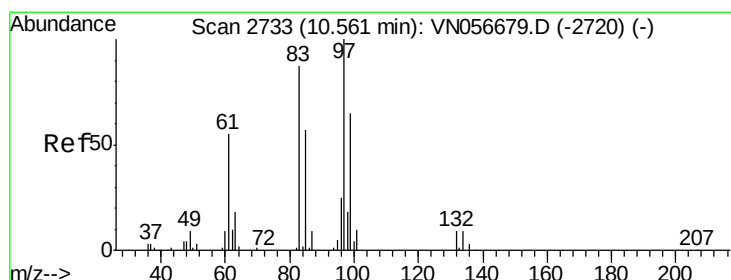
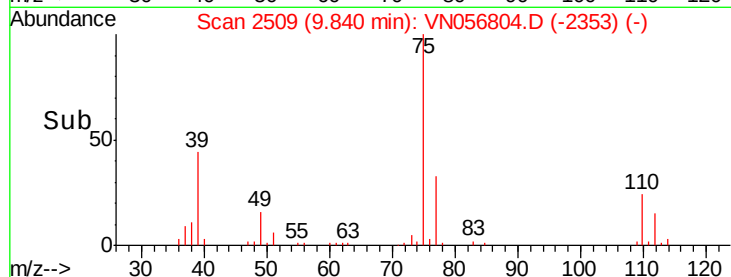
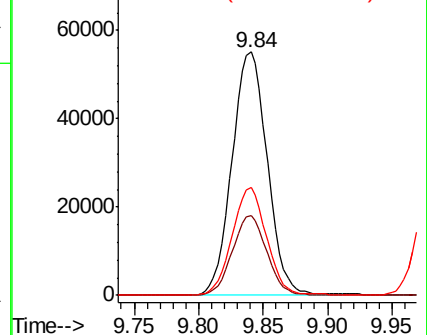


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50
 1,1,2-Trichloroethane
 Concen: 20.443 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.2	103.8
85	56.4	45.3	67.9
99	62.5	51.6	77.4

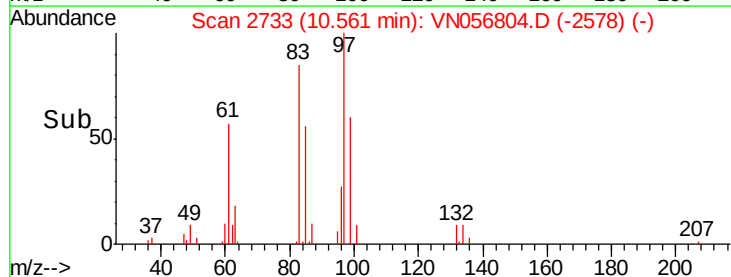
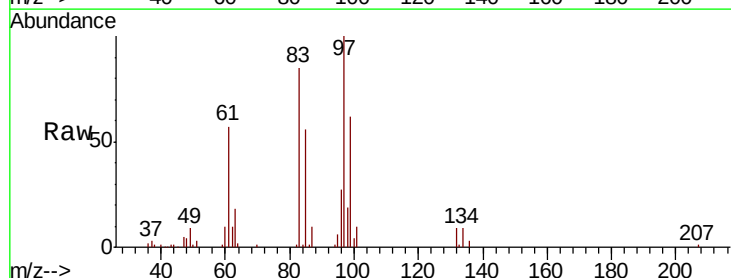
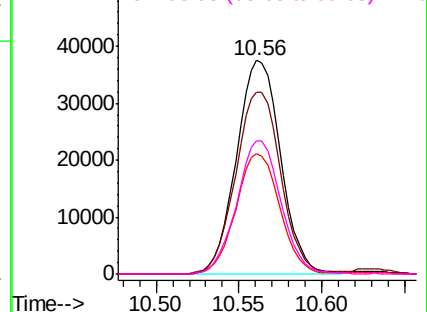
Abundance

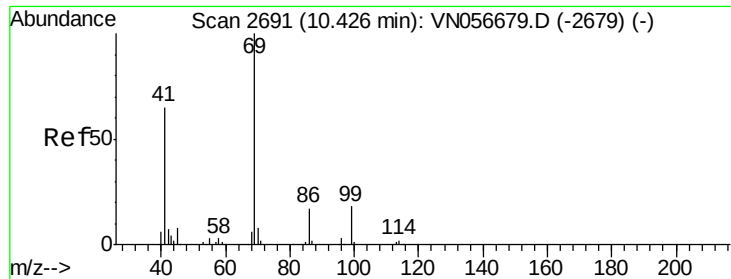
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.481 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

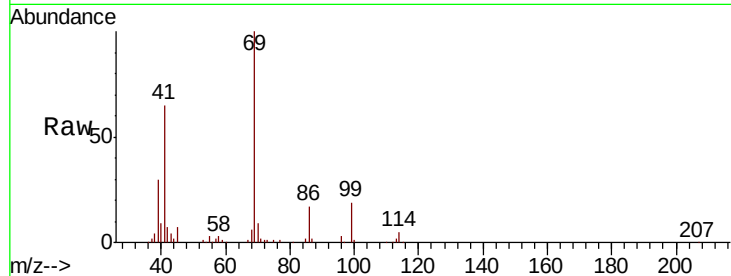
MSVOA_N

ClientSampled :

VN0718WBS01

Tot Ion: 69 Resp: 101477

Ion	Ratio	Lower	Upper
69	100		
41	64.9	32.8	98.3
39	29.5	15.4	46.2

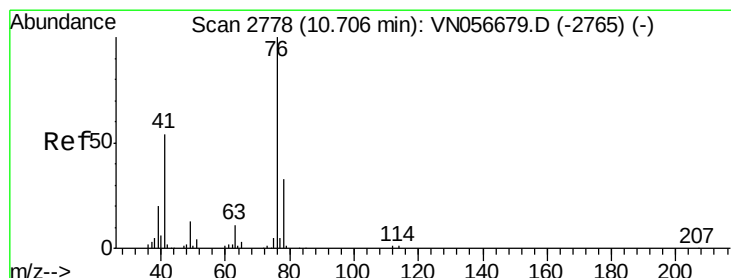
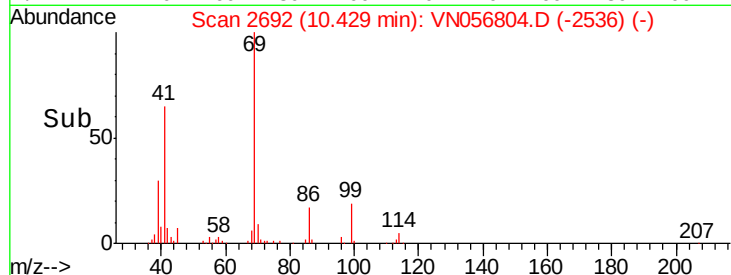
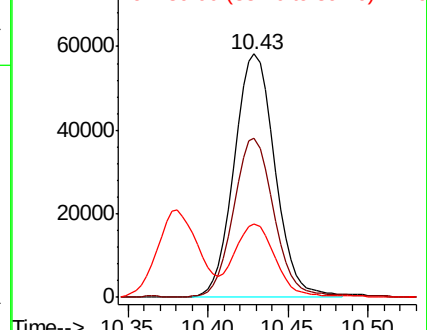


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.254 ug/l

RT: 10.71 min Scan# 2778

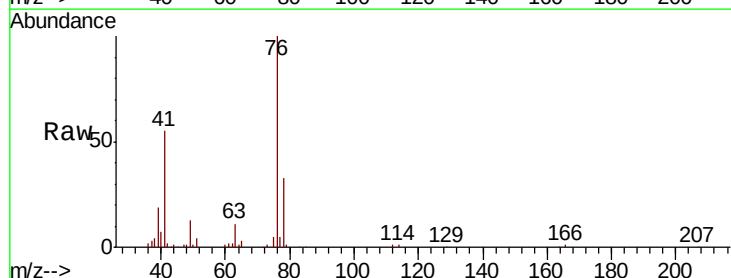
Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Tgt Ion: 76 Resp: 114772

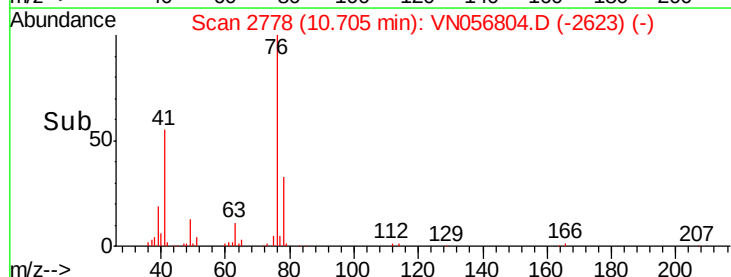
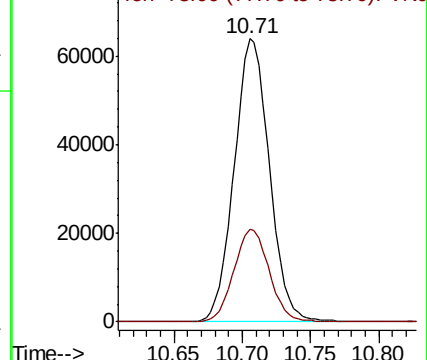
Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	63.6

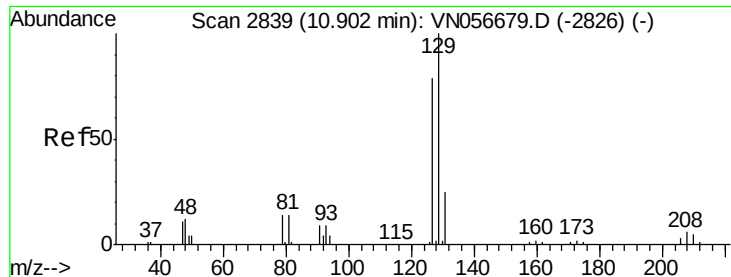


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.901 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

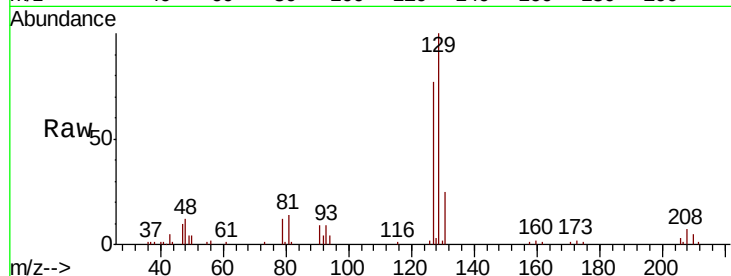
VN0718WBS01

Tot Ion:129 Resp: 68115

Ion Ratio Lower Upper

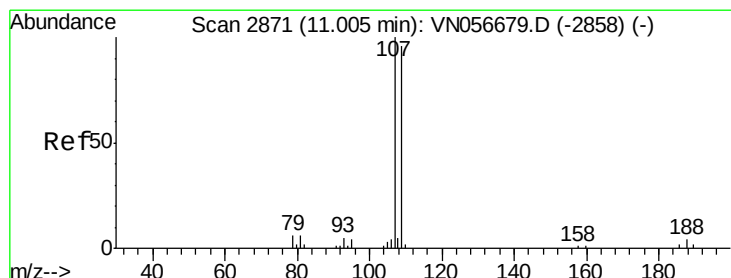
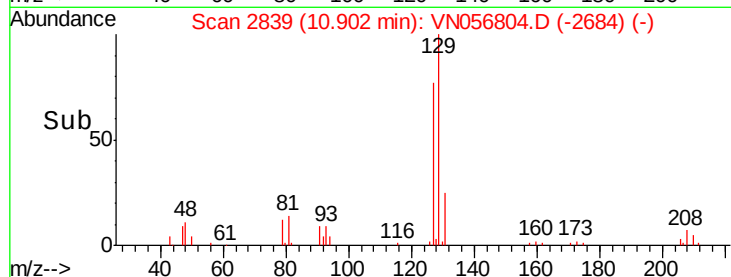
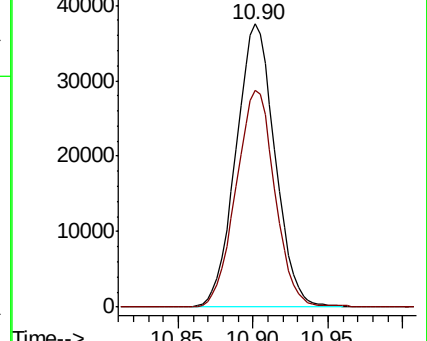
129 100

127 76.0 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.781 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056804.D

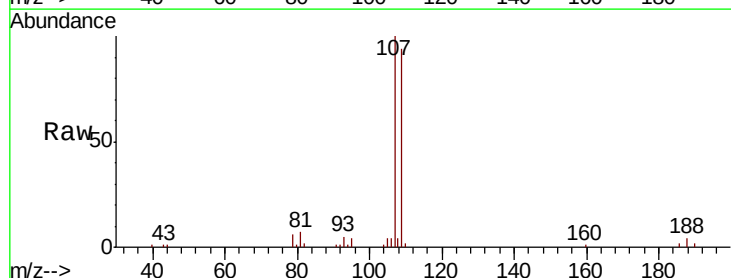
Acq: 18 Jul 2019 10:55

Tgt Ion:107 Resp: 69621

Ion Ratio Lower Upper

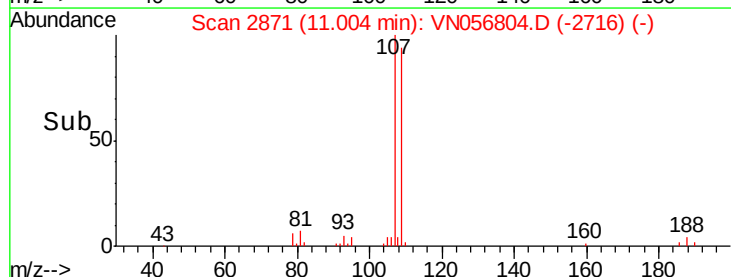
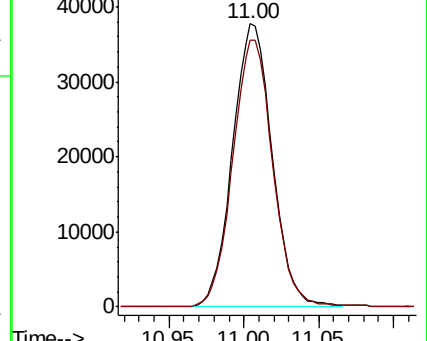
107 100

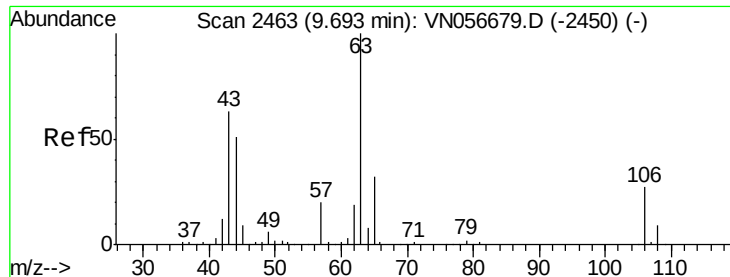
109 95.1 77.9 116.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

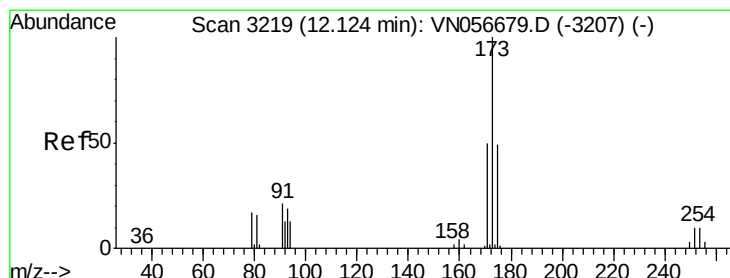
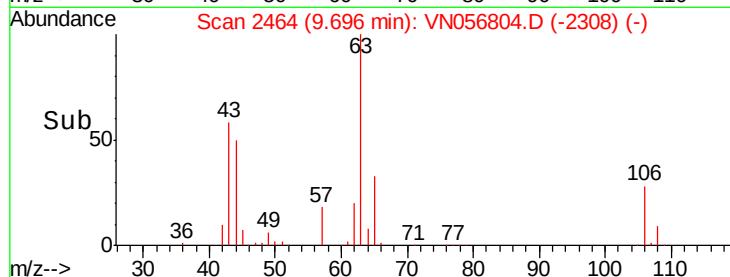
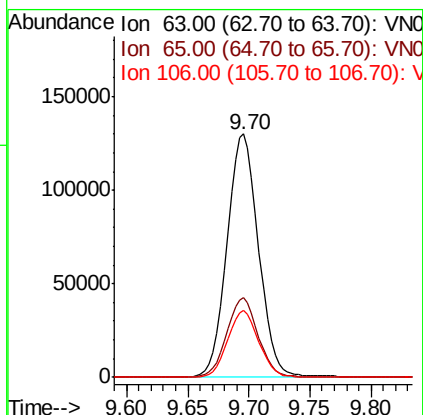
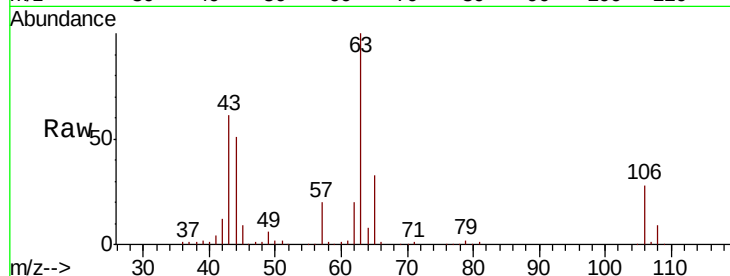




#55
2-Chloroethyl vinyl ether
Concen: 93.281 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

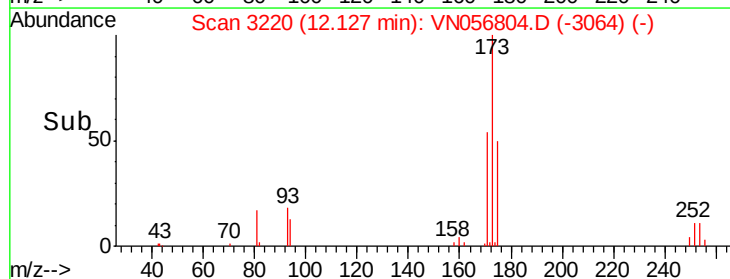
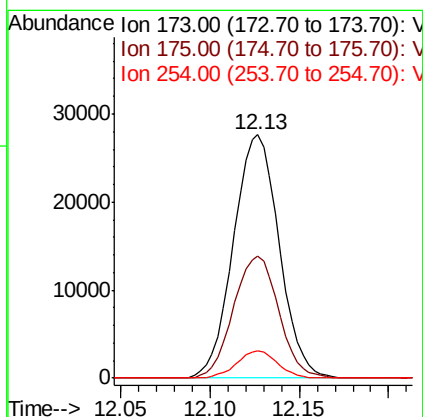
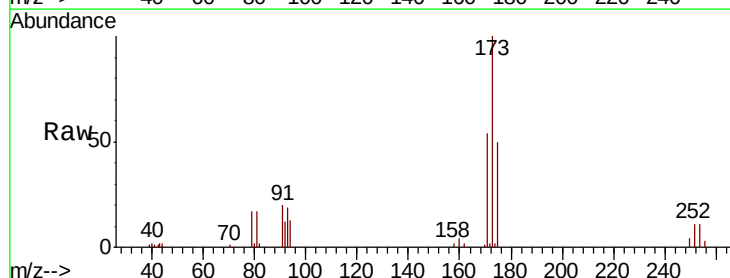
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

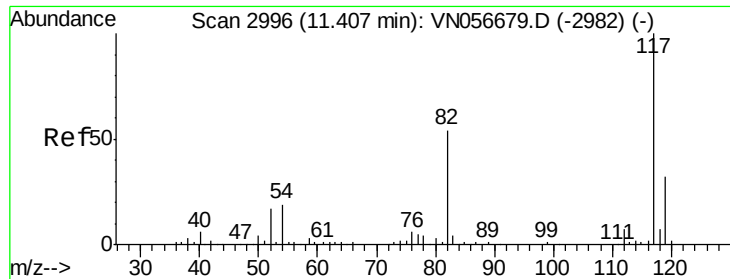
Tot Ion: 63 Resp: 234972
Ion Ratio Lower Upper
63 100
65 32.4 25.2 37.8
106 27.1 21.6 32.4



#56
Bromoform
Concen: 19.471 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 173 Resp: 49334
Ion Ratio Lower Upper
173 100
175 49.4 39.7 59.5
254 10.0 7.8 11.8

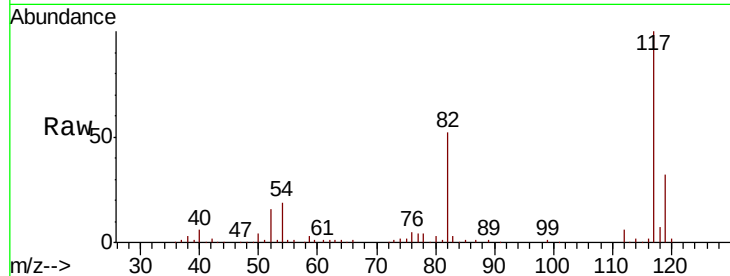




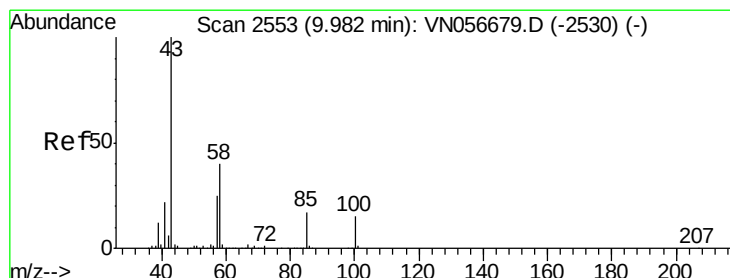
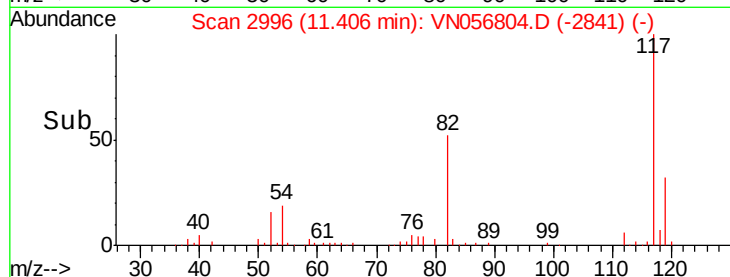
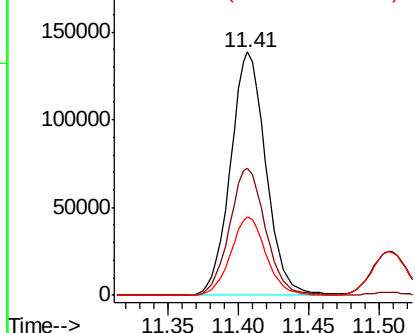
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

Tot Ion:117 Resp: 243331
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 32.2 26.0 39.0

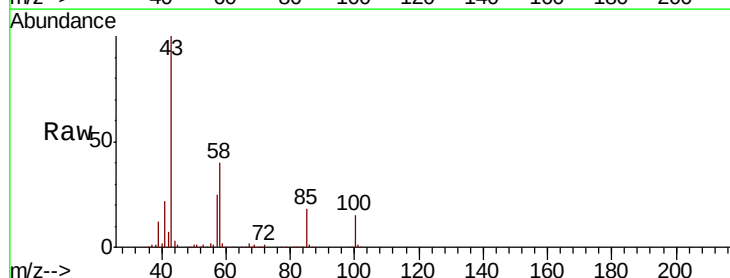


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

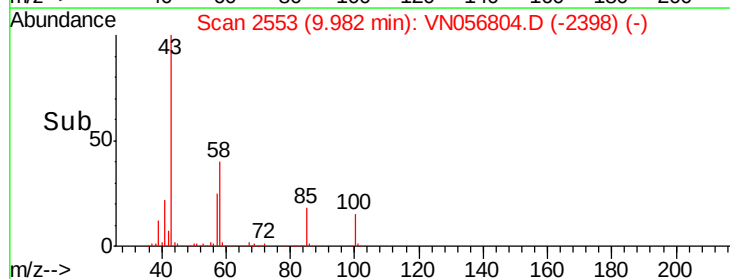
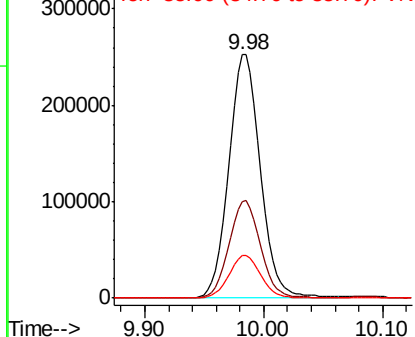


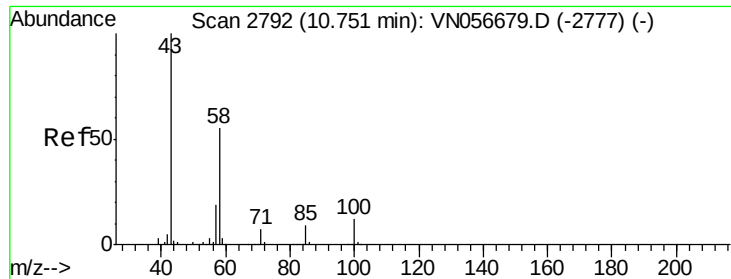
#58
4-Methyl-2-Pentanone
Concen: 100.933 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 43 Resp: 462259
Ion Ratio Lower Upper
43 100
58 40.2 31.9 47.9
85 17.9 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

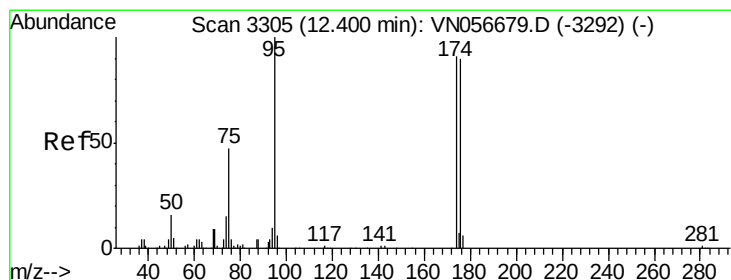
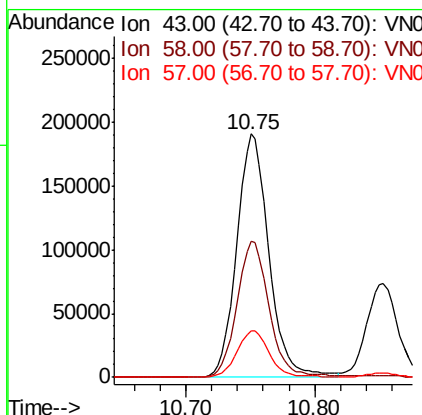
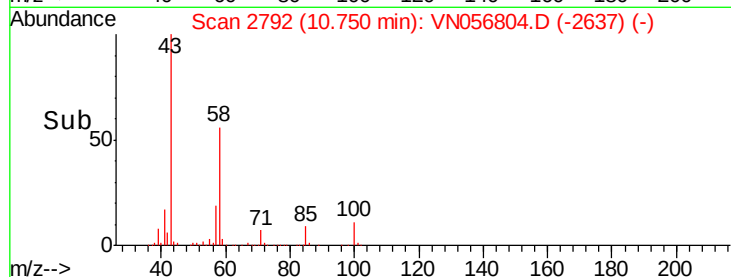
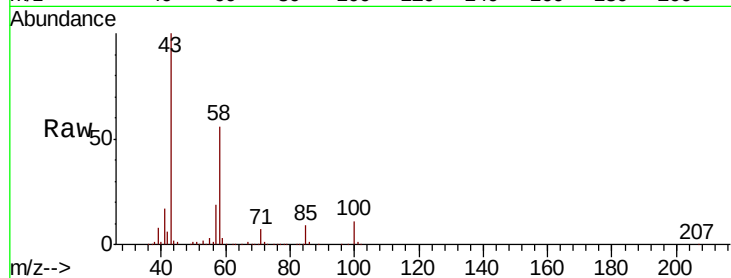




#59
2-Hexanone
Concen: 94.900 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

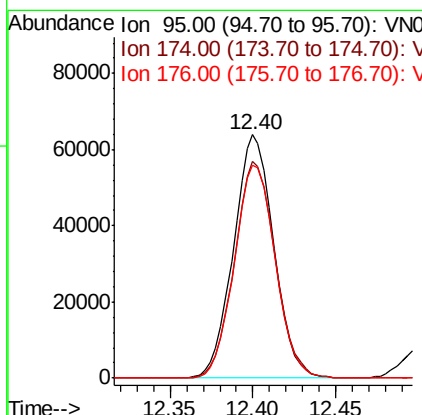
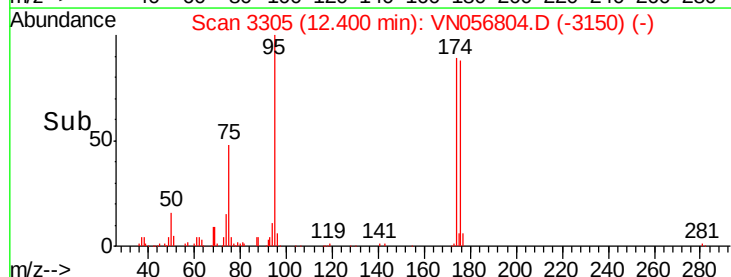
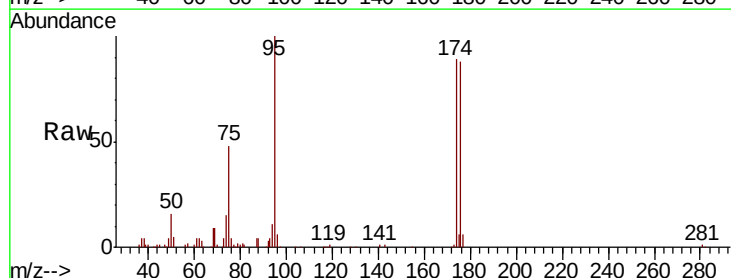
Instrument :
MSVOA_N
ClientSampled :
VN0718WBS01

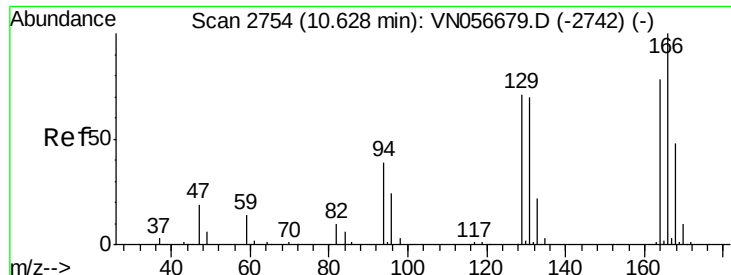
Tot Ion: 43 Resp: 329916
Ion Ratio Lower Upper
43 100
58 56.2 44.4 66.6
57 19.3 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 28.899 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 95 Resp: 107620
Ion Ratio Lower Upper
95 100
174 90.6 72.6 108.8
176 89.4 71.0 106.6





#61

Tetrachloroethene

Concen: 21.019 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

Tot Ion:164 Resp: 73491

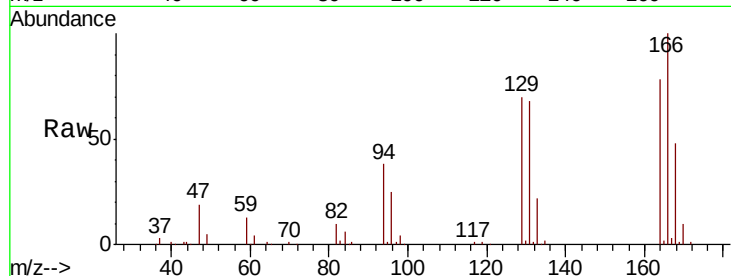
Ion Ratio Lower Upper

164 100

166 128.3 102.3 153.5

129 89.2 72.6 108.8

131 87.7 71.4 107.2

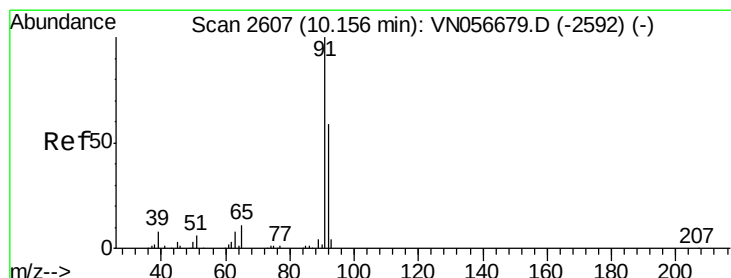
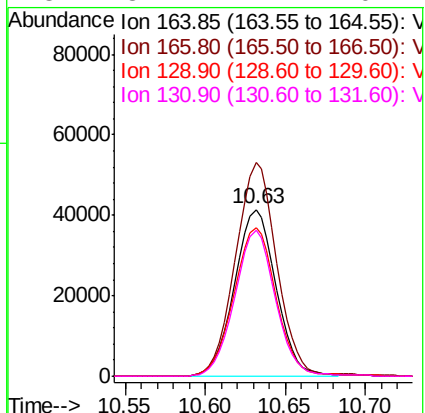
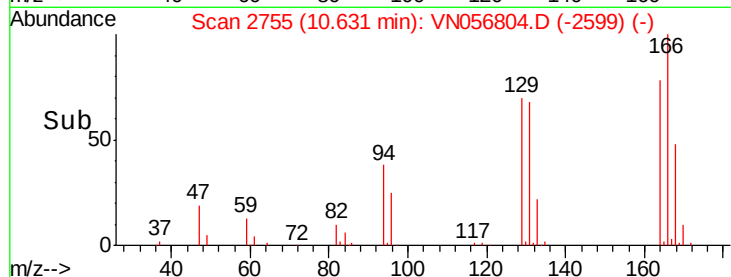


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.320 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056804.D

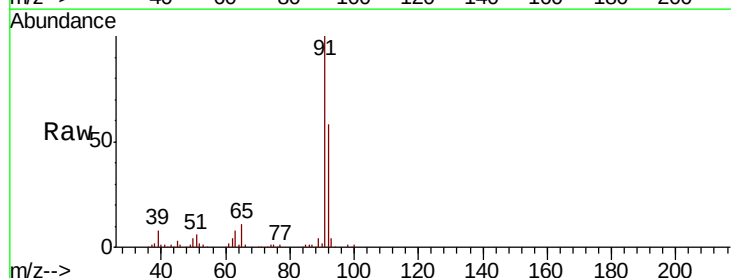
Acq: 18 Jul 2019 10:55

Tgt Ion: 91 Resp: 290414

Ion Ratio Lower Upper

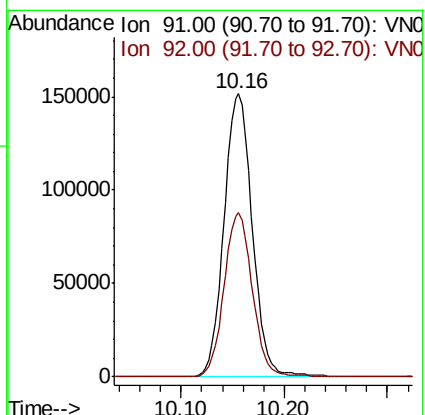
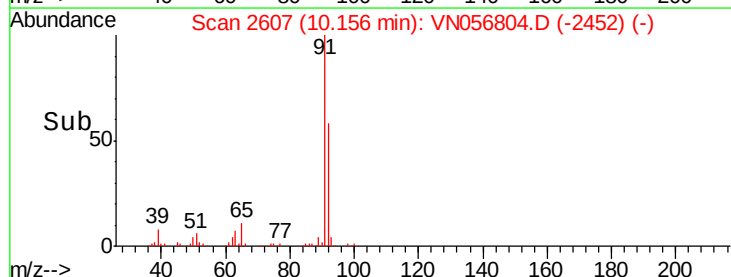
91 100

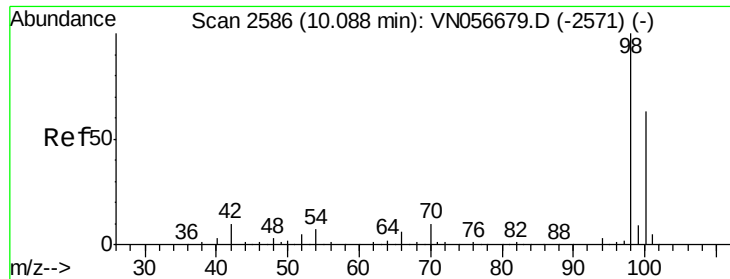
92 57.9 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.603 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

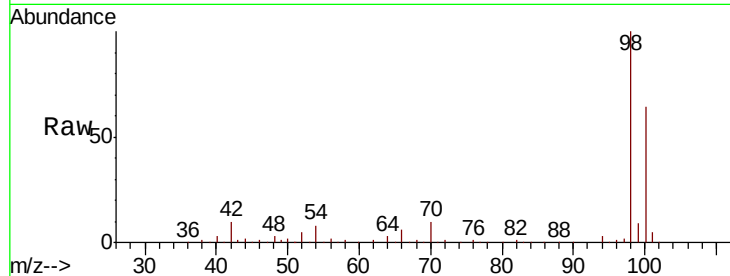
VN0718WBS01

Tot Ion: 98 Resp: 340245

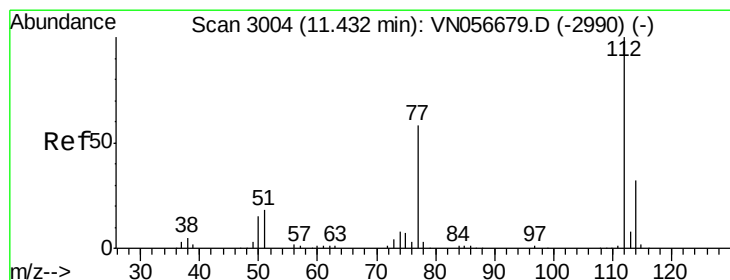
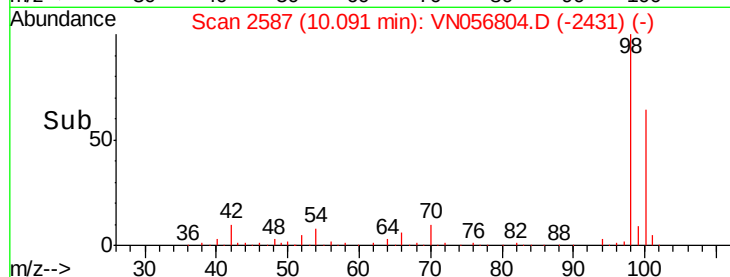
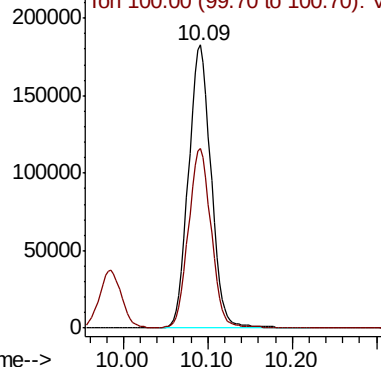
Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN056679.D (-2571) (-)



#64

Chlorobenzene

Concen: 20.091 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056804.D

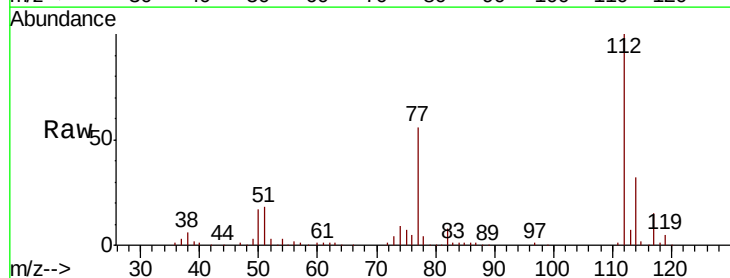
Acq: 18 Jul 2019 10:55

Tgt Ion: 112 Resp: 175131

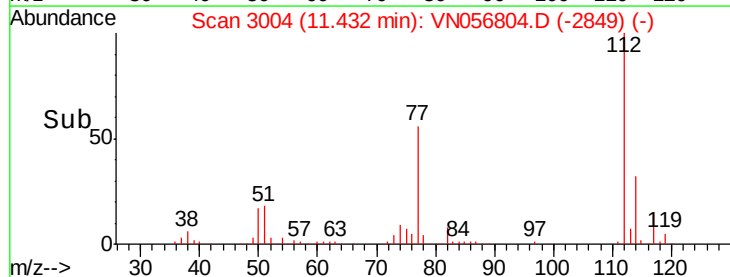
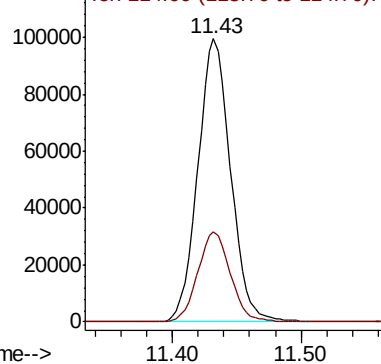
Ion Ratio Lower Upper

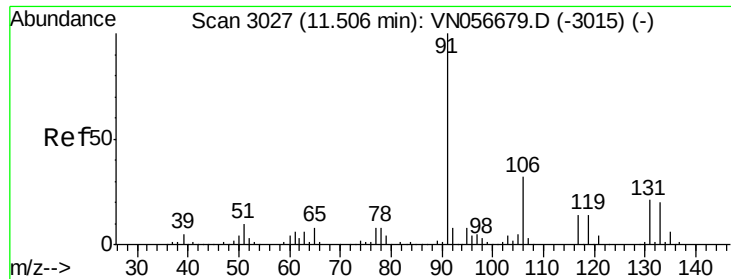
112 100

114 31.8 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): VN056679.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.763 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

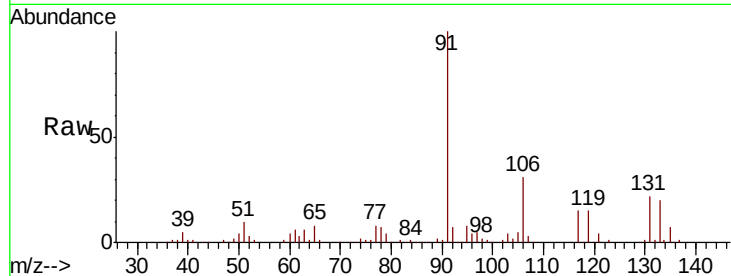
Tot Ion:131 Resp: 66353

Ion Ratio Lower Upper

131 100

133 92.7 0.0 191.4

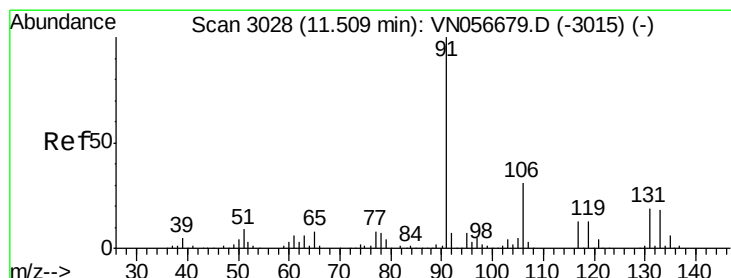
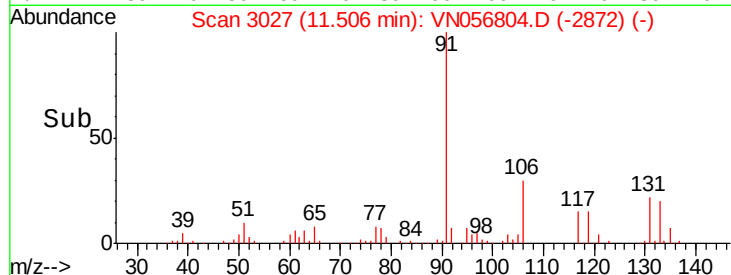
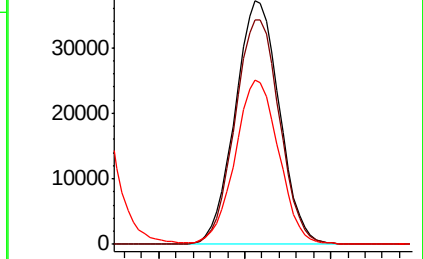
119 66.5 0.0 133.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.918 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056804.D

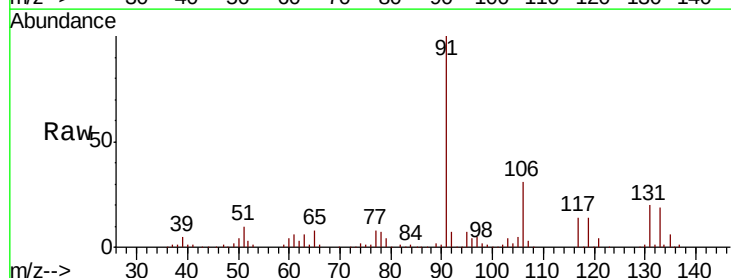
Acq: 18 Jul 2019 10:55

Tgt Ion: 91 Resp: 307703

Ion Ratio Lower Upper

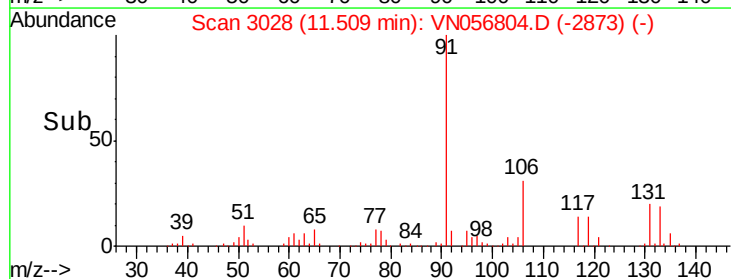
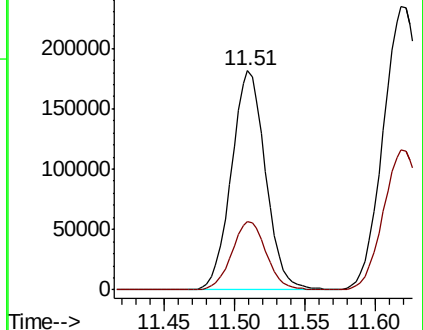
91 100

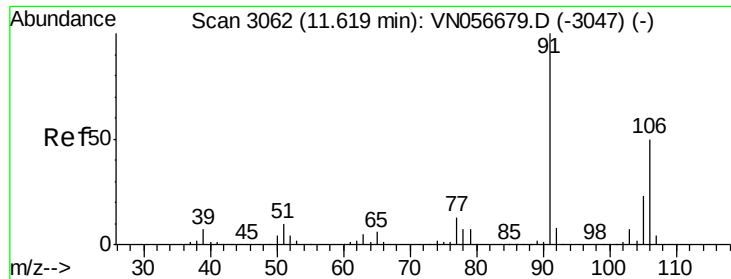
106 31.3 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

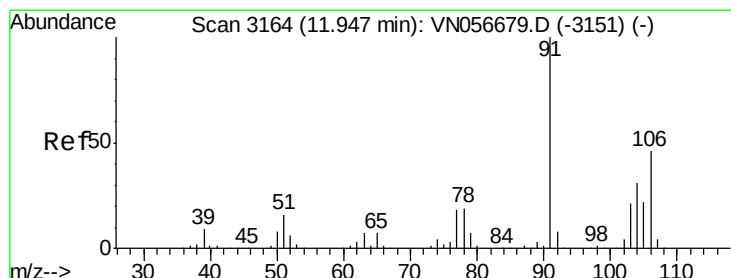
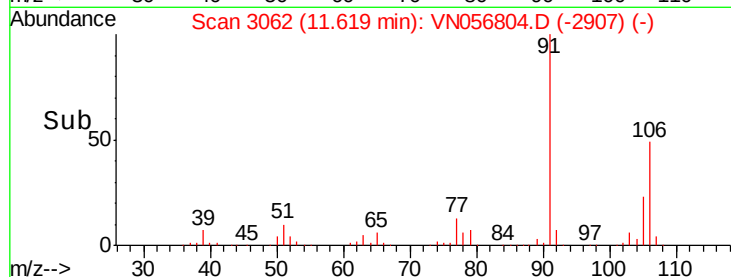
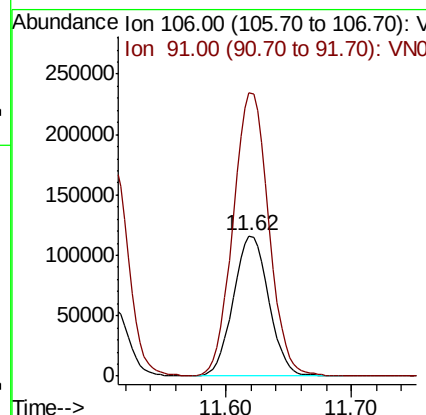
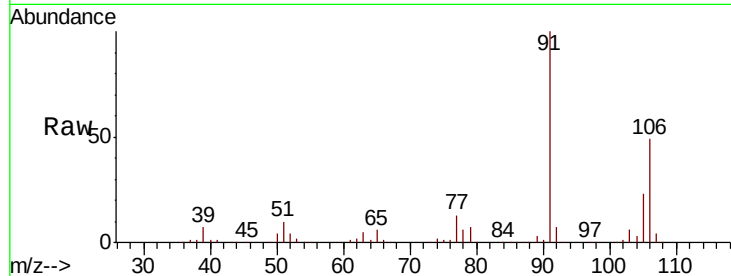




#67
m/p-Xylenes
Concen: 39.040 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

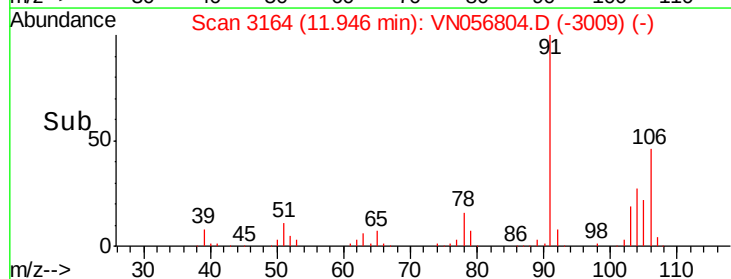
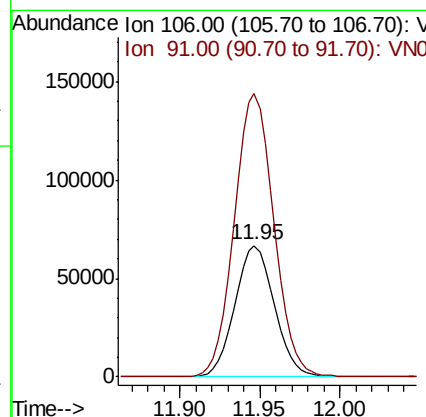
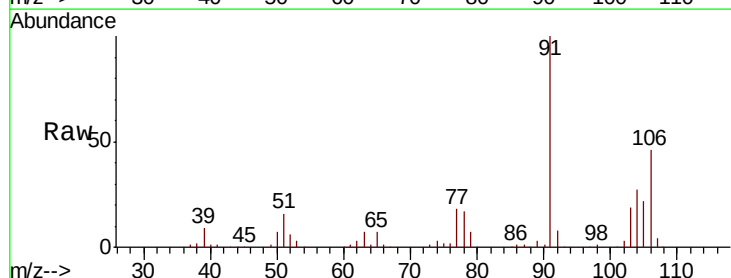
Instrument :
MSVOA_N
ClientSampled :
VN0718WBS01

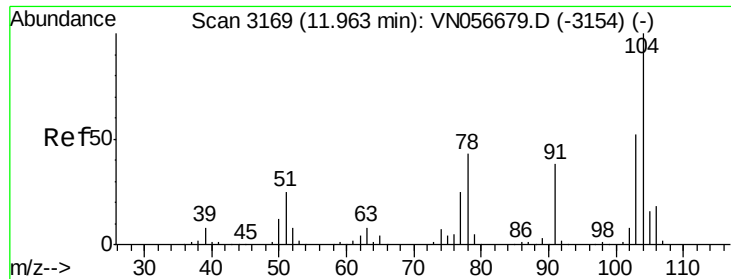
Tot Ion:106 Resp: 227610
Ion Ratio Lower Upper
106 100
91 203.5 161.8 242.8



#68
o-Xylene
Concen: 19.652 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion:106 Resp: 111753
Ion Ratio Lower Upper
106 100
91 217.0 108.1 324.2

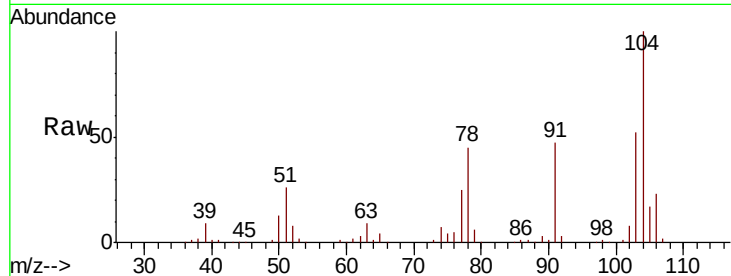




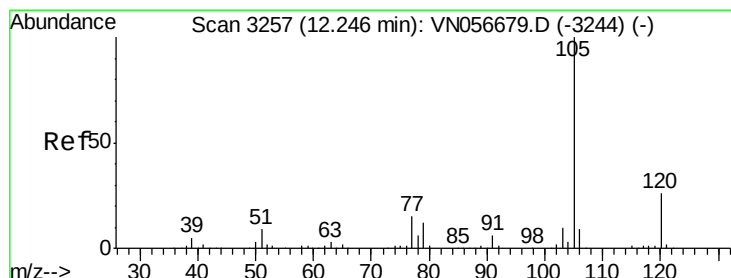
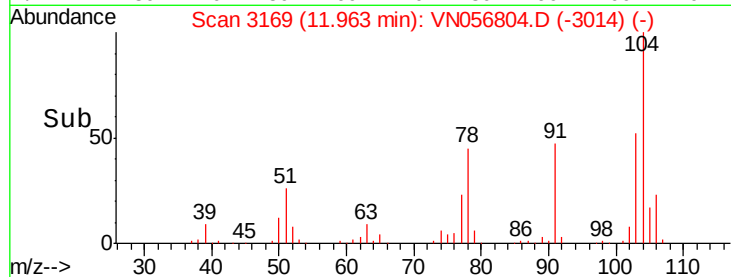
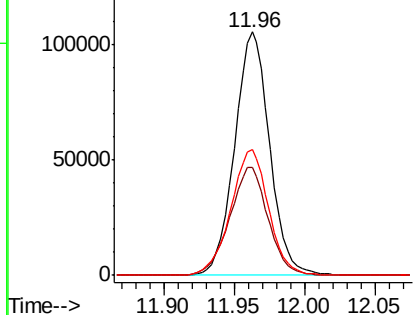
#69
Stvrene
Concen: 19.445 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampled :
VN0718WBS01

Tot Ion:104 Resp: 183222
Ion Ratio Lower Upper
104 100
78 48.5 38.7 58.1
103 55.5 45.0 67.4

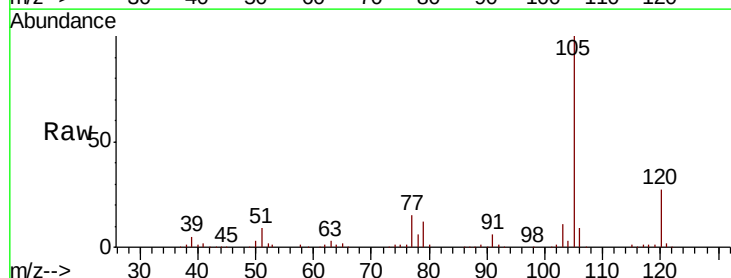


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

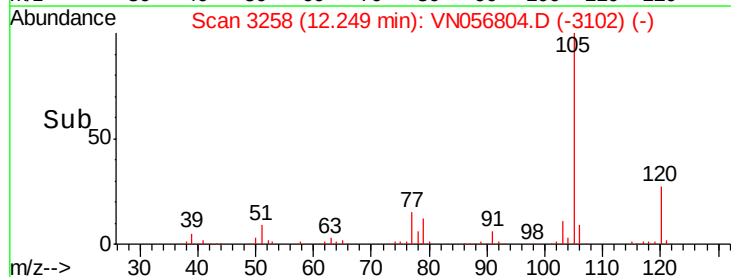
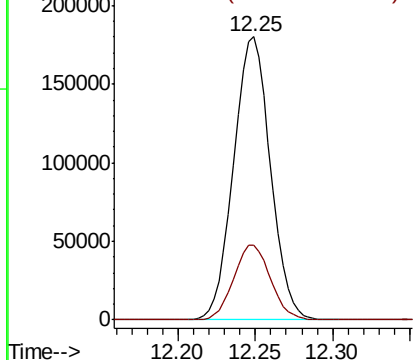


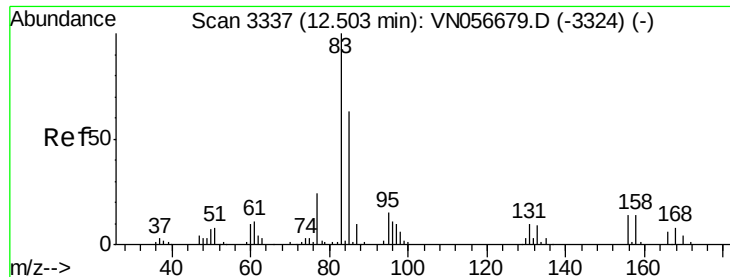
#70
Isopropylbenzene
Concen: 19.966 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion:105 Resp: 297602
Ion Ratio Lower Upper
105 100
120 26.4 18.6 34.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

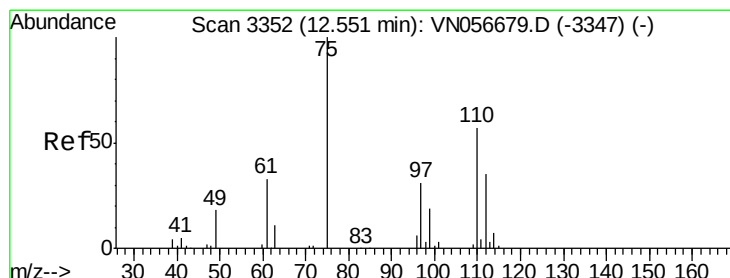
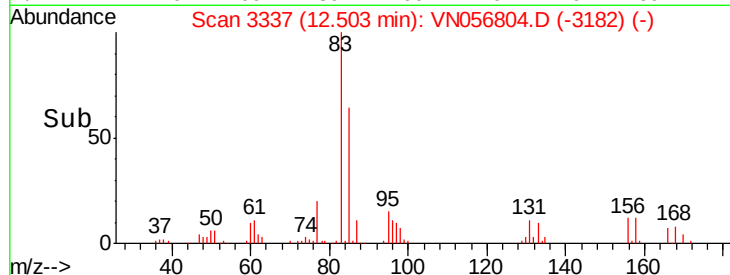
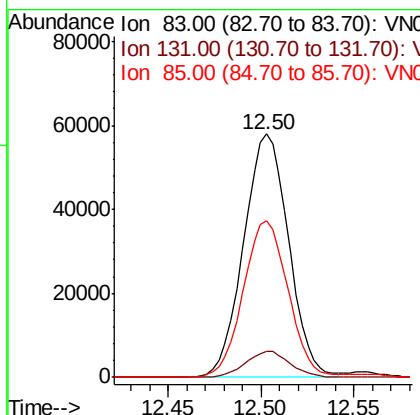
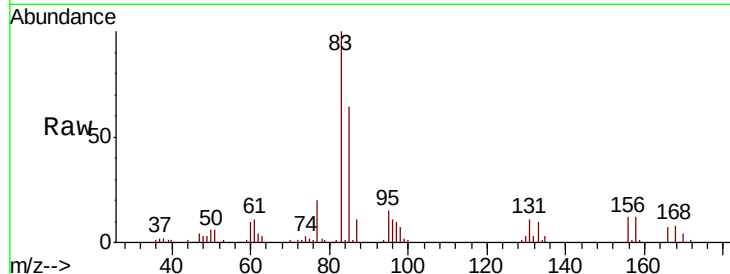




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.173 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

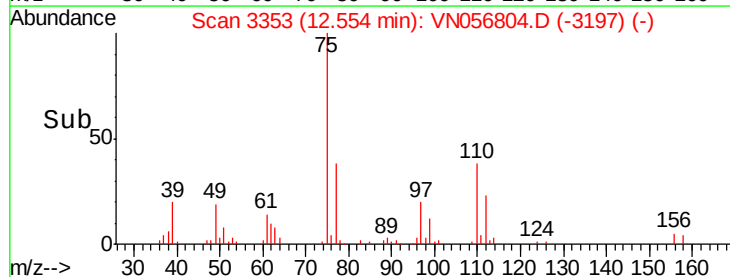
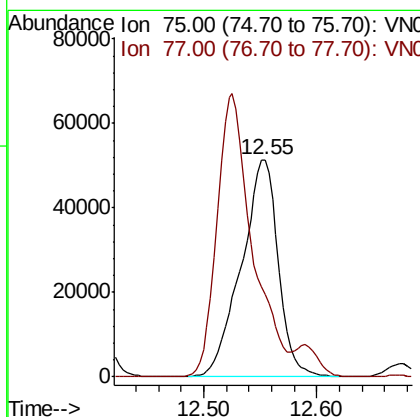
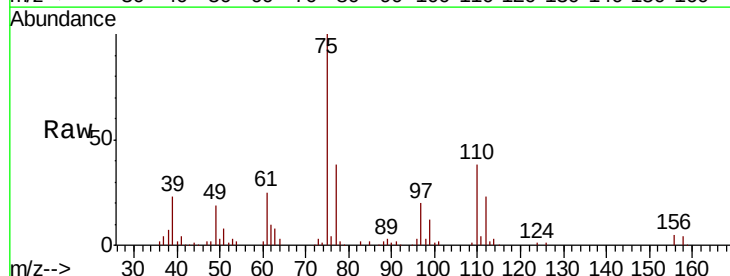
Instrument :
 MSVOA_N
 ClientSampled :
 VN0718WBS01

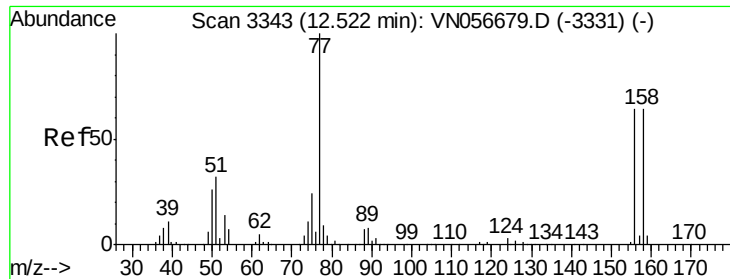
Tot Ion	83	Resp	97596
Ion Ratio	100		
Lower	5.1		
Upper	15.3		
85	63.8	31.9	95.7



#72
 1,2,3-Trichloropropane
 Concen: 28.298 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion	75	Resp	117013
Ion Ratio	100		
Lower	0.0		
Upper	352.2		
77	124.4		





#73

Bromobenzene

Concen: 19.771 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampled :

VN0718WBS01

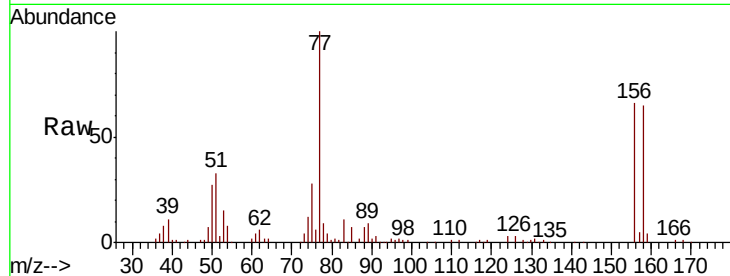
Tot Ion:156 Resp: 77010

Ion Ratio Lower Upper

156 100

77 189.1 0.0 381.8

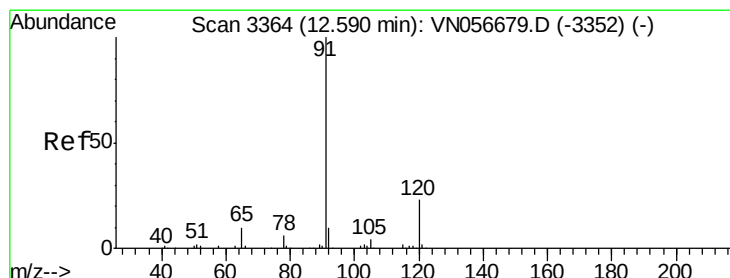
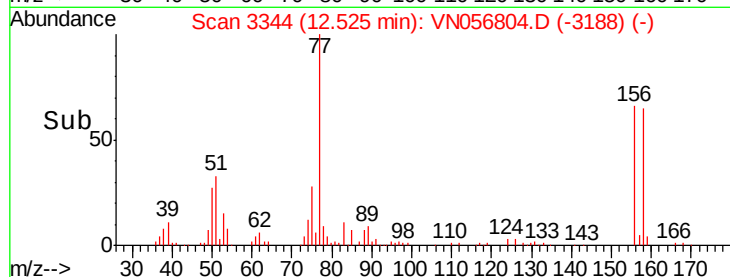
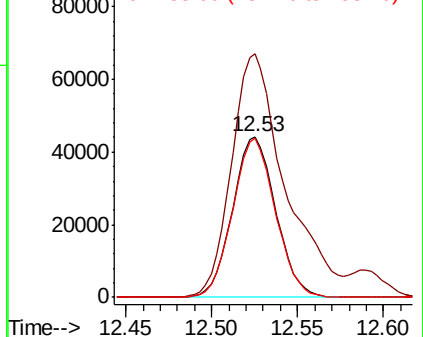
158 97.6 0.0 195.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.149 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056804.D

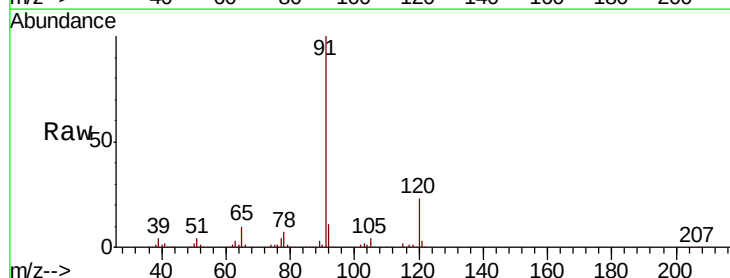
Acq: 18 Jul 2019 10:55

Tgt Ion: 91 Resp: 322029

Ion Ratio Lower Upper

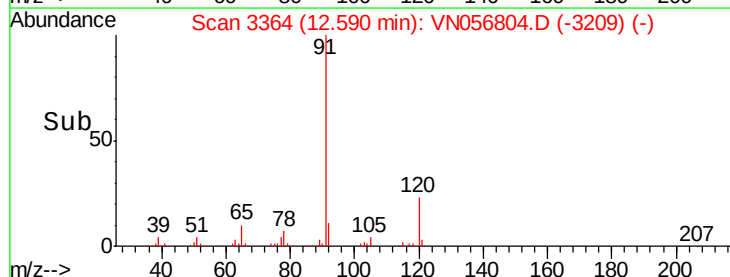
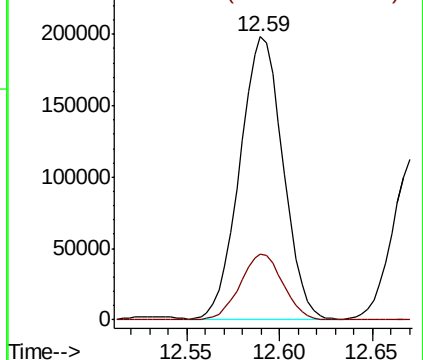
91 100

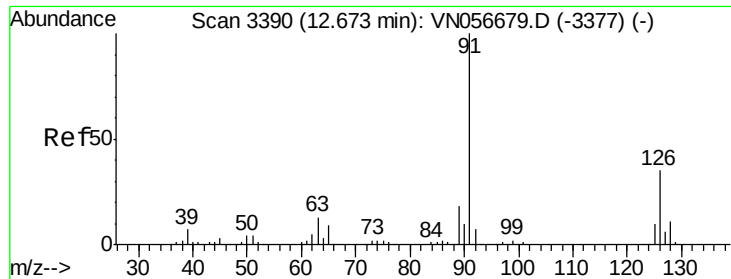
120 22.9 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.505 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

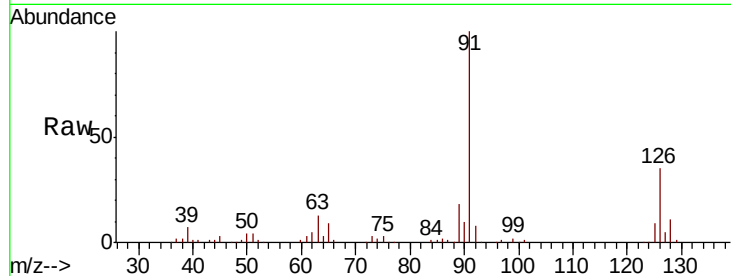
VN0718WBS01

Tot Ion: 91 Resp: 197548

Ion Ratio Lower Upper

91 100

126 35.1 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056679.D (-3377) (-)

200000

150000

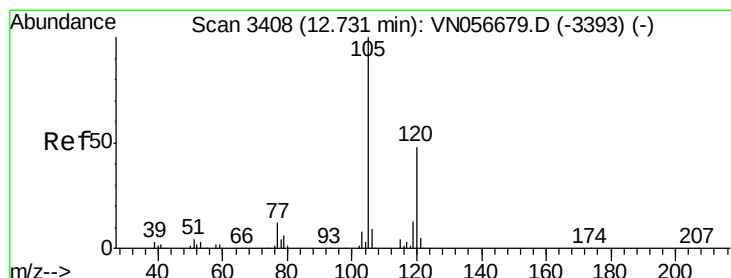
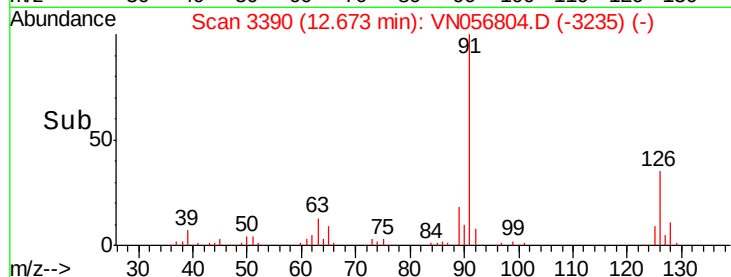
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.952 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056804.D

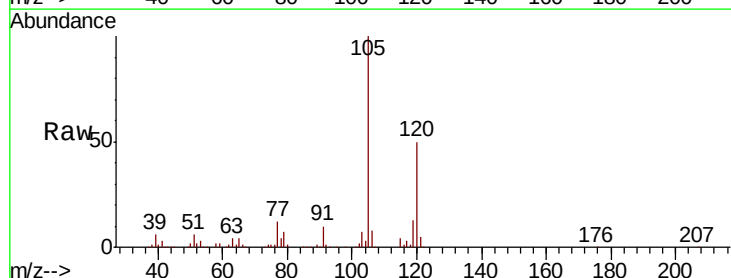
Acq: 18 Jul 2019 10:55

Tgt Ion:105 Resp: 253664

Ion Ratio Lower Upper

105 100

120 48.8 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): VN056679.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056679.D (-3393) (-)

150000

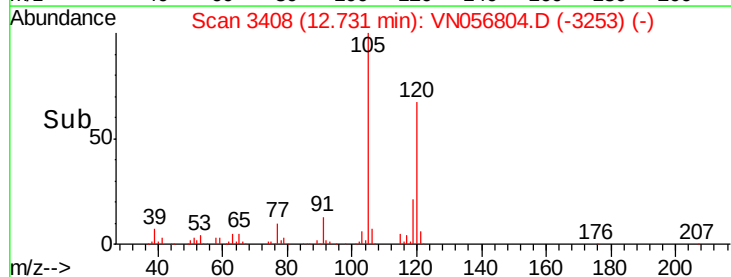
100000

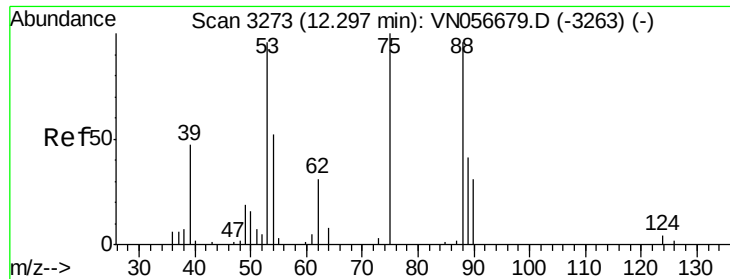
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.250 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

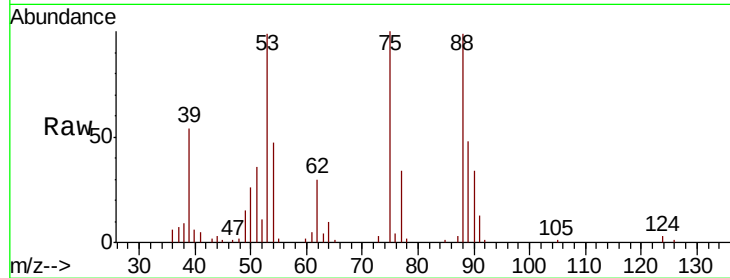
Tot Ion: 75 Resp: 25085

Ion Ratio Lower Upper

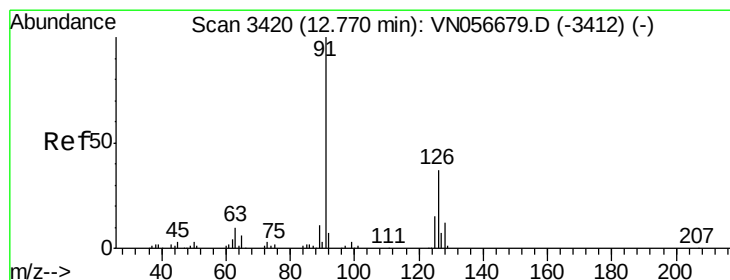
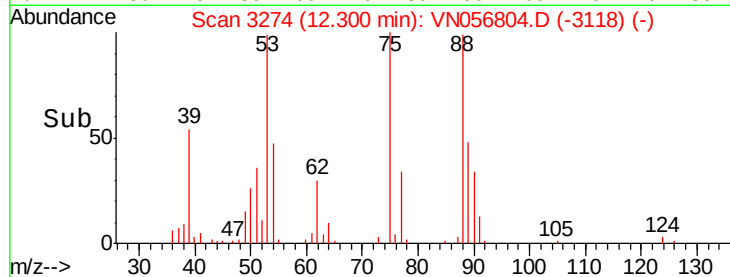
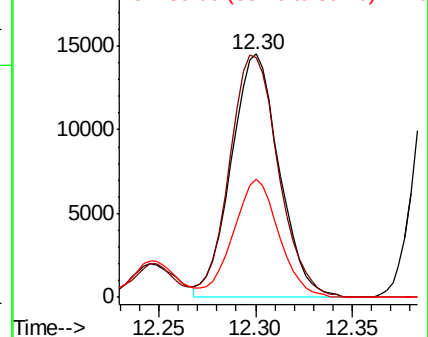
75 100

53 98.7 48.6 145.8

89 48.5 21.3 64.0



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.668 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056804.D

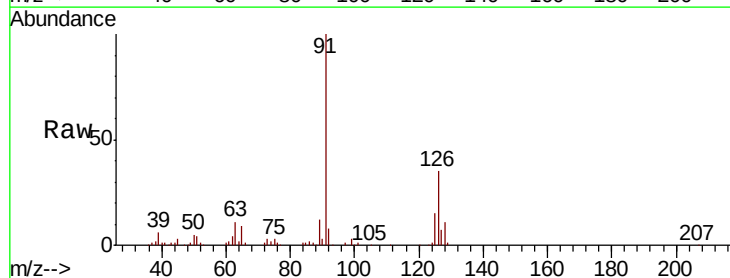
Acq: 18 Jul 2019 10:55

Tgt Ion: 91 Resp: 183346

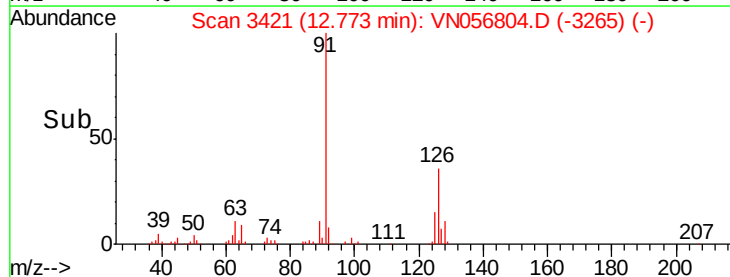
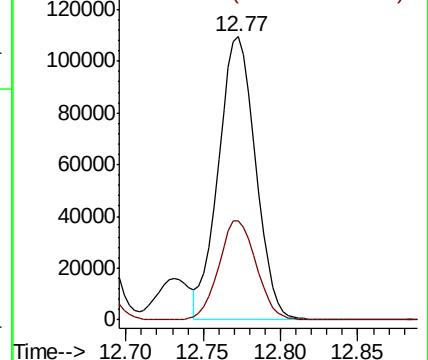
Ion Ratio Lower Upper

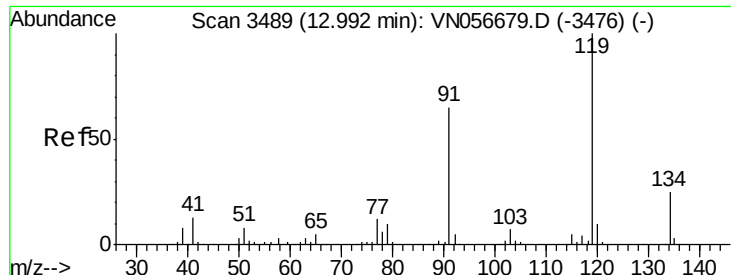
91 100

126 35.3 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V

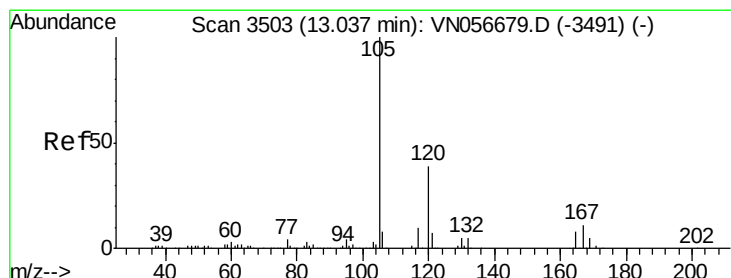
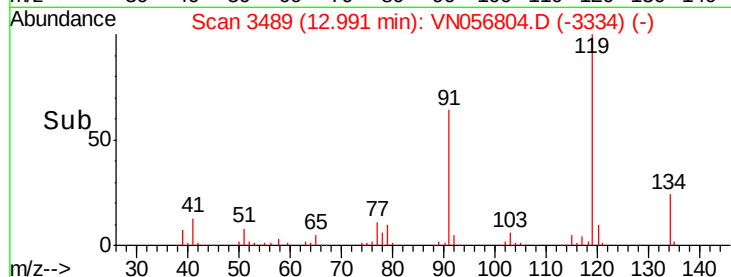
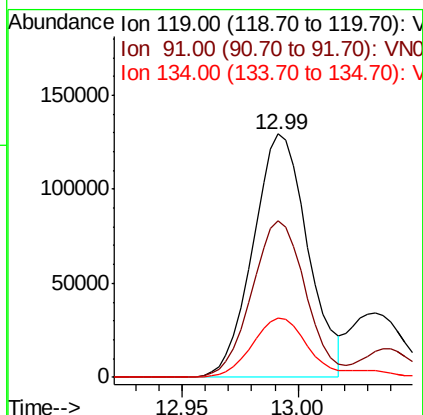
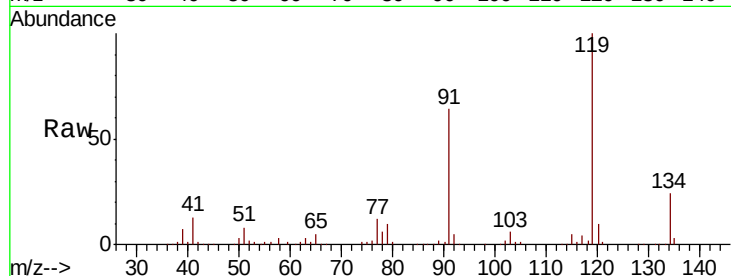




#79
tert-butylbenzene
Concen: 19.691 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

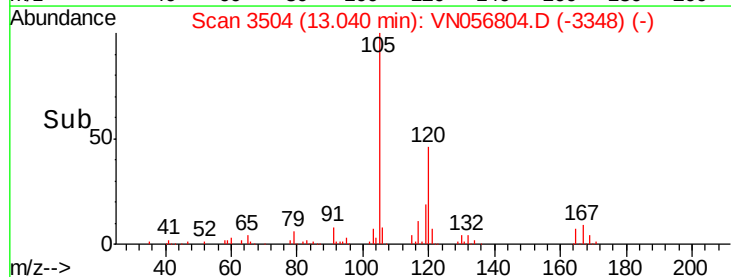
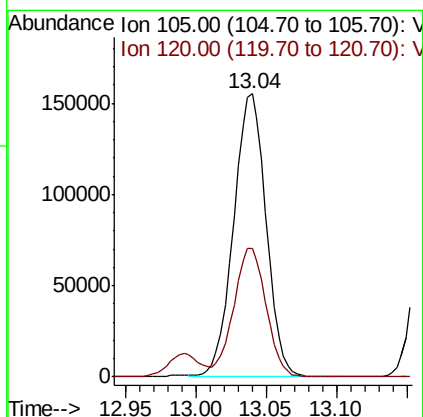
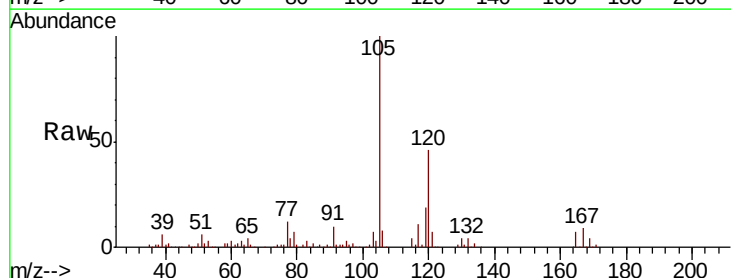
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

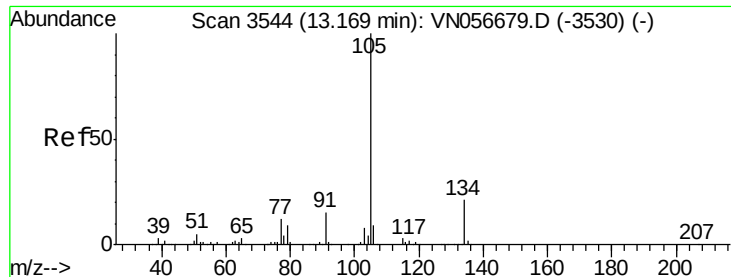
Tot Ion:119 Resp: 212965
Ion Ratio Lower Upper
119 100
91 63.6 0.0 125.4
134 24.6 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 19.879 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion:105 Resp: 250649
Ion Ratio Lower Upper
105 100
120 45.4 0.0 91.2





#81

sec-Butylbenzene

Concen: 19.390 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

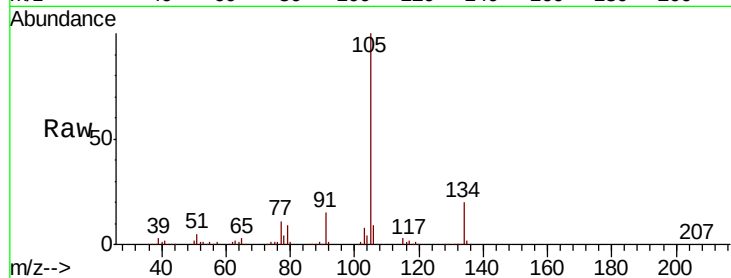
VN0718WBS01

Tot Ion:105 Resp: 277591

Ion Ratio Lower Upper

105 100

134 20.3 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

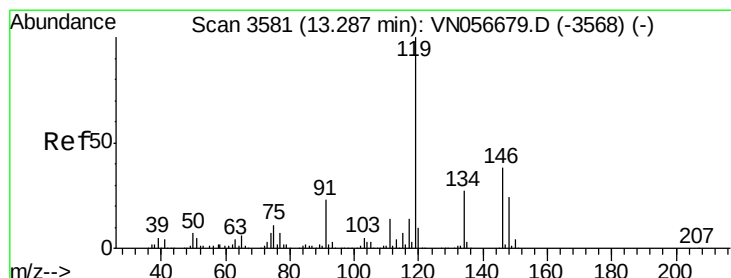
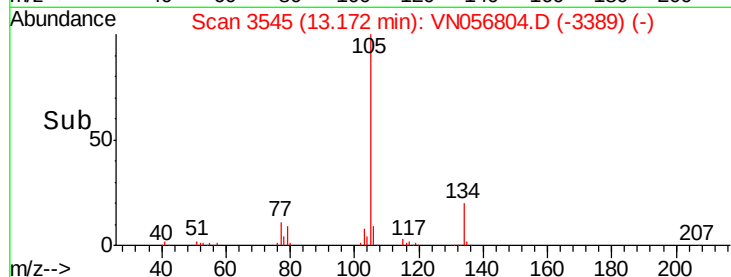
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 19.131 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

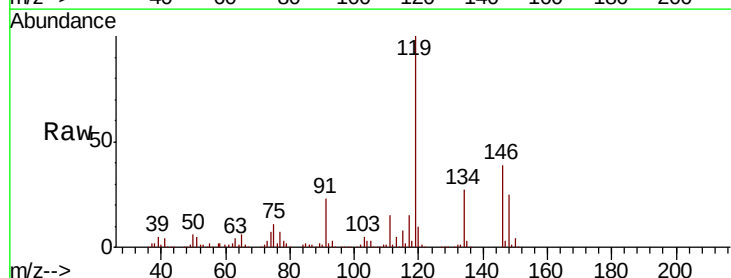
Tgt Ion:119 Resp: 249079

Ion Ratio Lower Upper

119 100

134 26.8 0.0 52.8

91 23.1 0.0 45.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

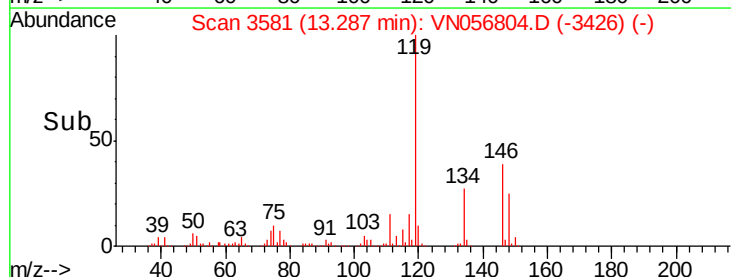
150000

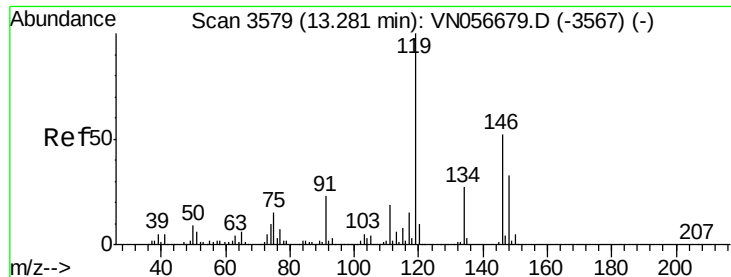
100000

50000

0

Time-->

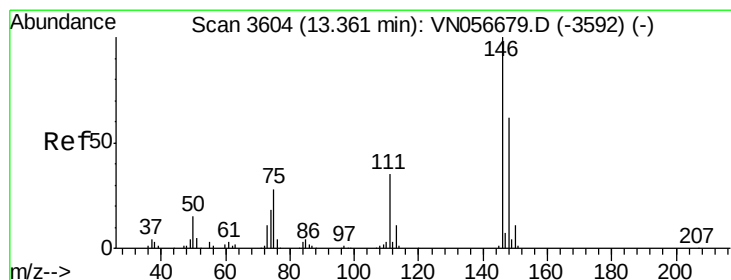
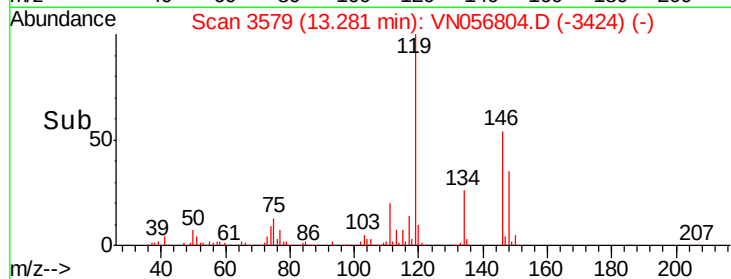
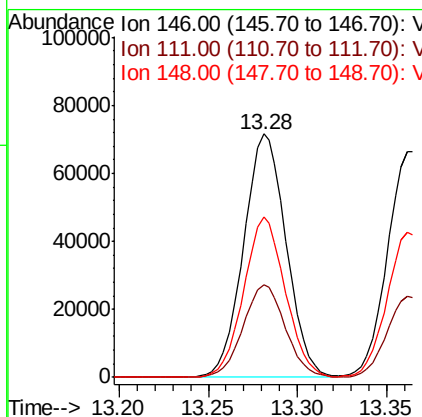
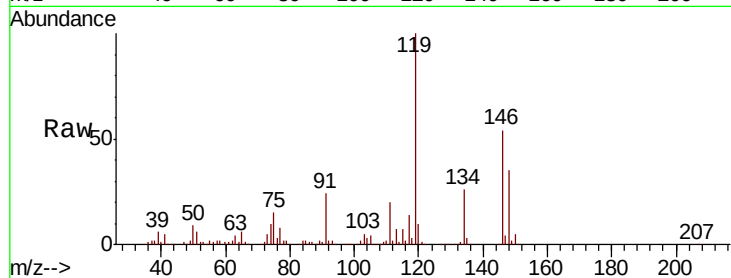




#83
 1,3-Dichlorobenzene
 Concen: 18.404 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

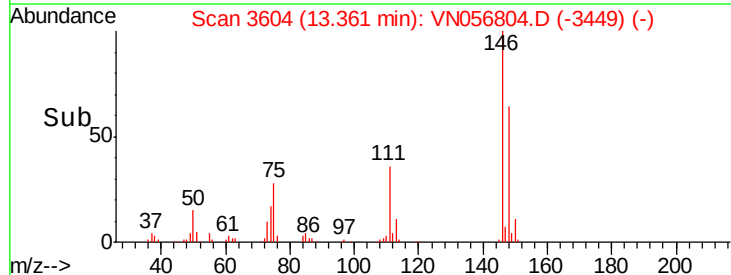
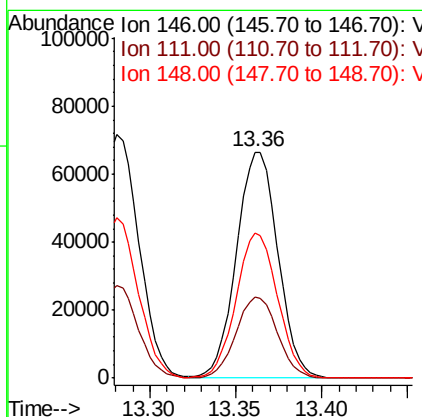
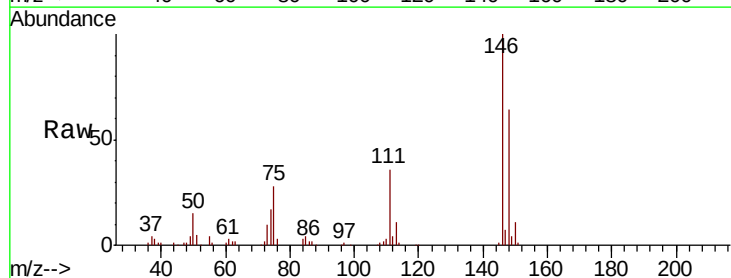
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

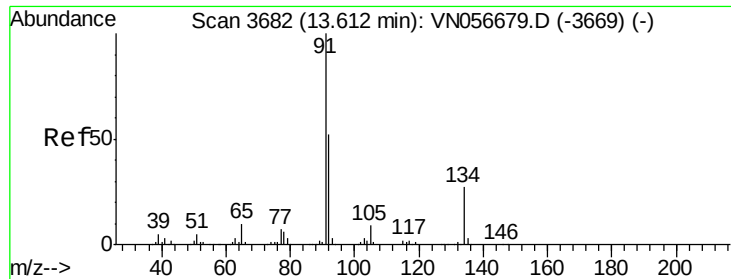
Tot Ion:146 Resp: 119479
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.7 56.1
 148 64.3 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 17.952 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion:146 Resp: 111718
 Ion Ratio Lower Upper
 146 100
 111 35.8 17.8 53.4
 148 64.3 31.9 95.5





#85

n-Butylbenzene

Concen: 17.691 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

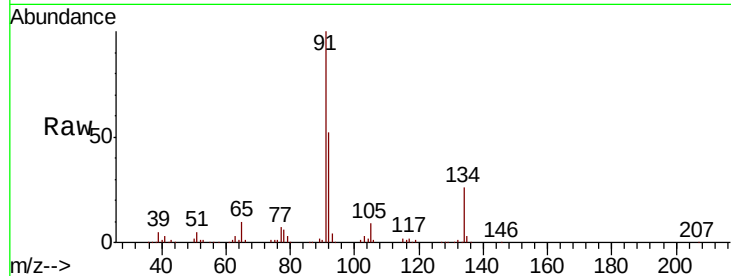
Tot Ion: 91 Resp: 189979

Ion Ratio Lower Upper

91 100

92 51.4 0.0 104.0

134 26.0 0.0 53.2

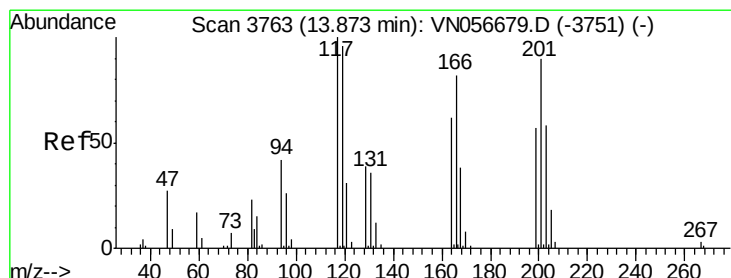
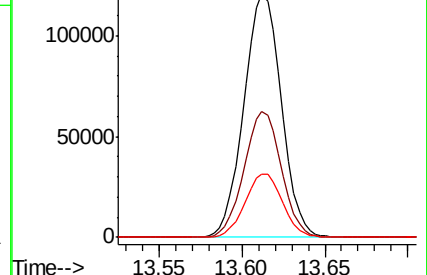
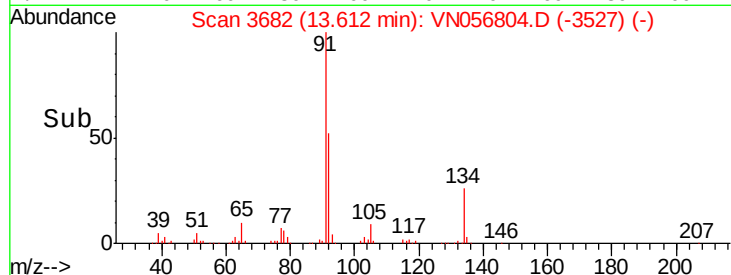


Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN056679.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN056679.D (-3669) (-)

13.61



#86

Hexachloroethane

Concen: 19.152 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056804.D

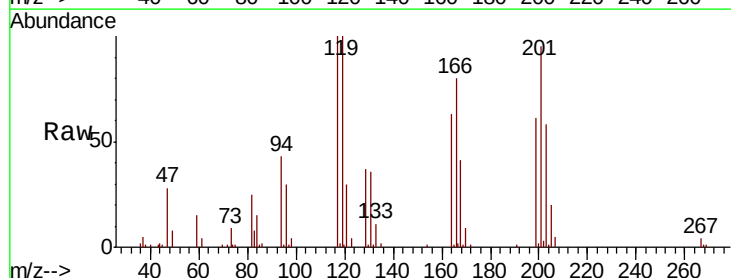
Acq: 18 Jul 2019 10:55

Tgt Ion: 117 Resp: 39124

Ion Ratio Lower Upper

117 100

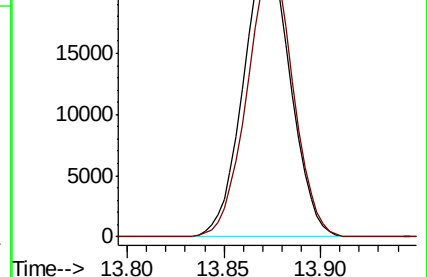
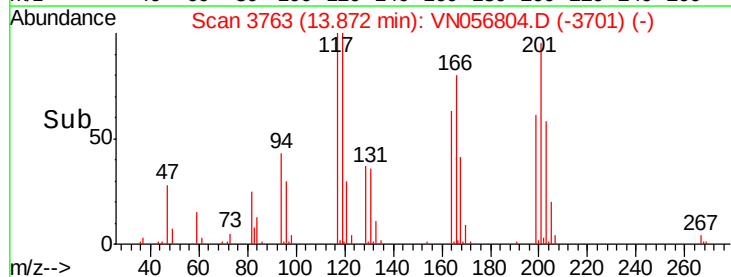
201 94.1 45.6 136.7

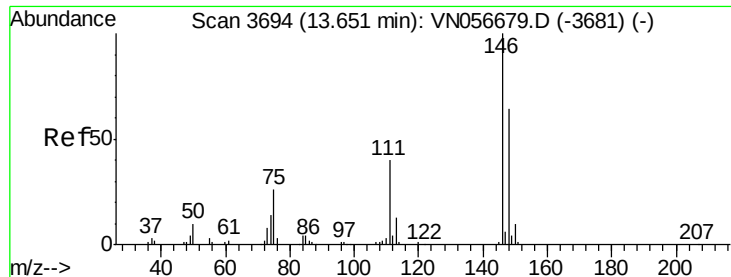


Abundance Ion 117.00 (116.70 to 117.70): VN056679.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056679.D (-3751) (-)

13.87

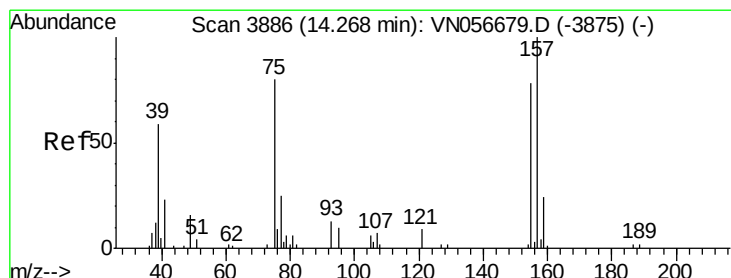
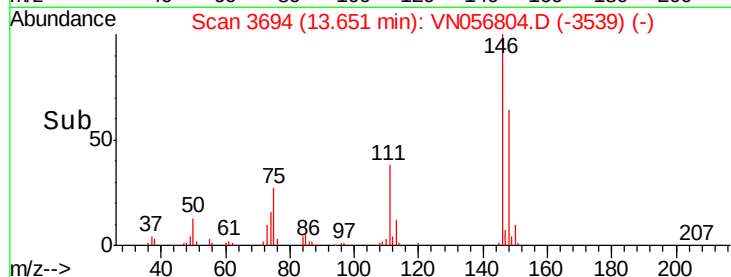
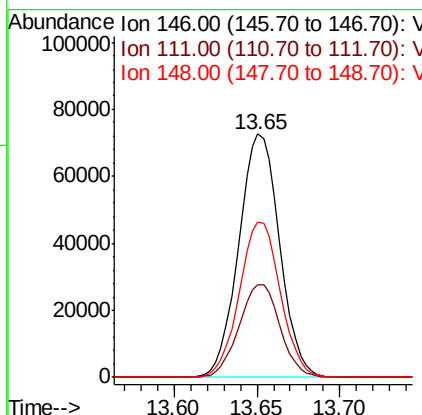
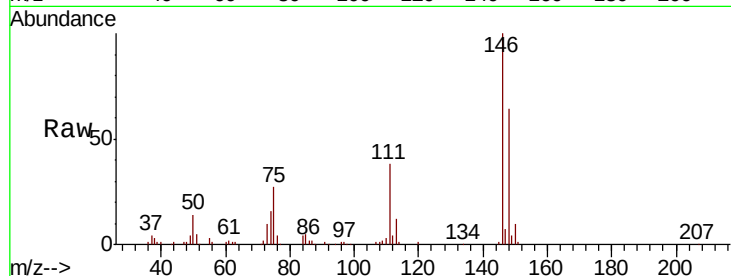




#87
 1,2-Dichlorobenzene
 Concen: 19.034 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

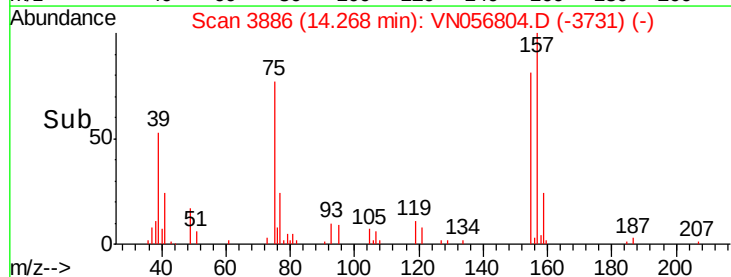
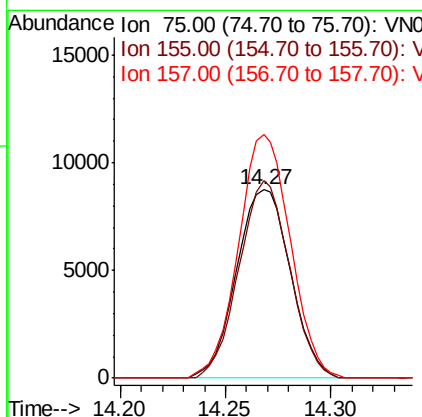
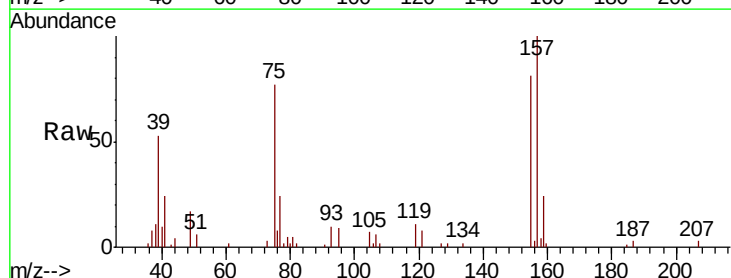
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

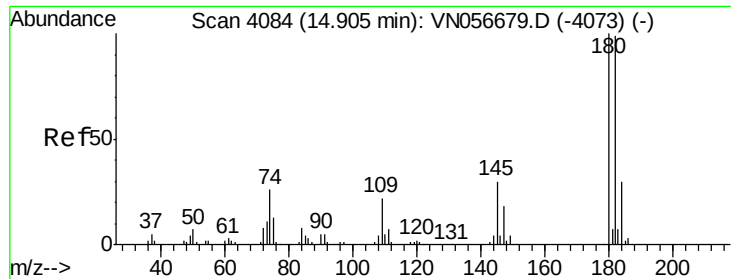
Tot Ion:146 Resp: 124183
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.7 59.0
 148 64.2 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.682 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion: 75 Resp: 15594
 Ion Ratio Lower Upper
 75 100
 155 97.6 78.6 117.8
 157 124.0 99.3 148.9





#89

1,2,4-Trichlorobenzene

Concen: 14.310 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

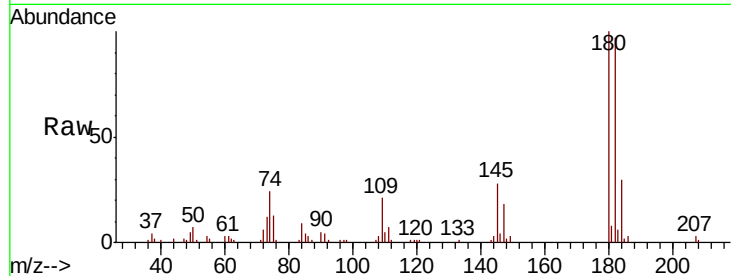
Tot Ion:180 Resp: 50216

Ion Ratio Lower Upper

180 100

182 98.0 78.2 117.4

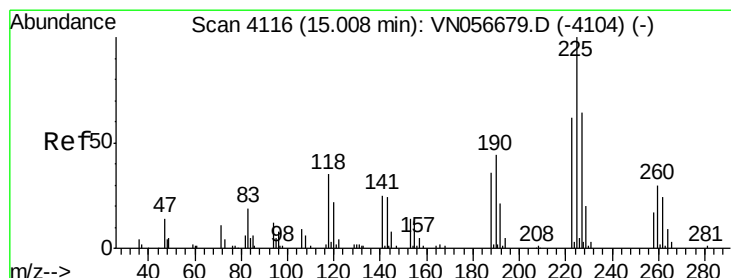
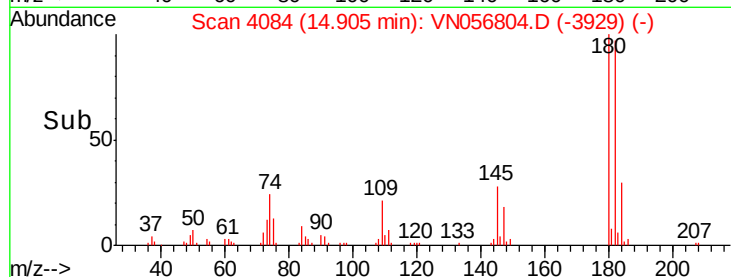
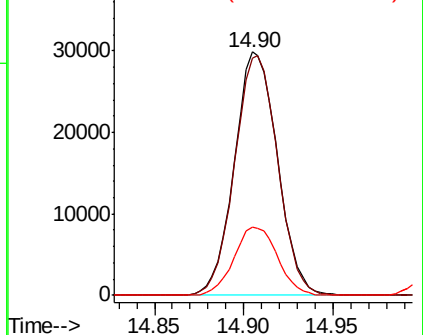
145 28.3 23.2 34.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 18.423 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

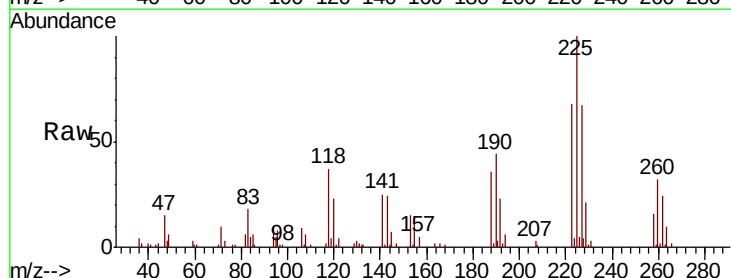
Tgt Ion:225 Resp: 42033

Ion Ratio Lower Upper

225 100

223 65.8 0.0 124.6

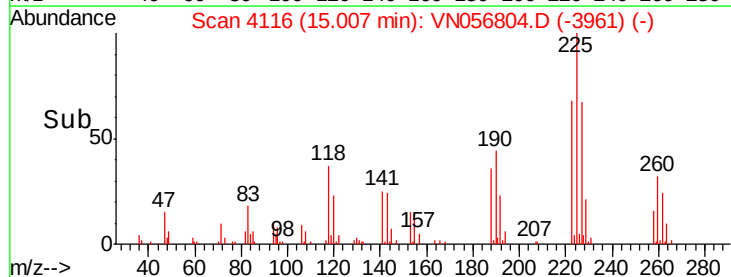
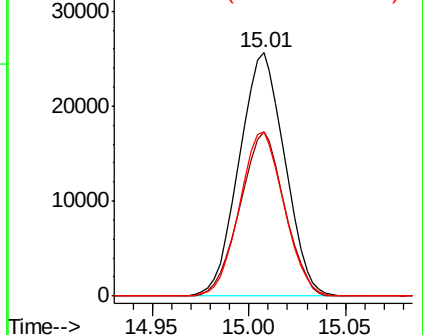
227 65.9 0.0 128.6

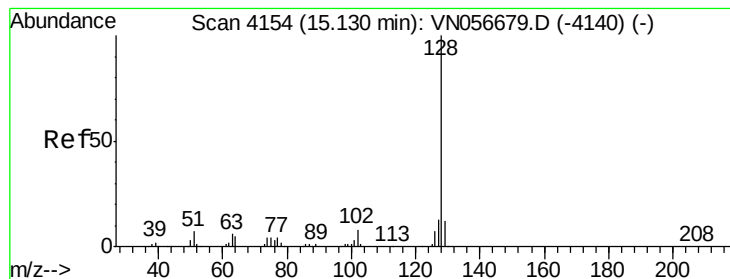


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 13.438 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

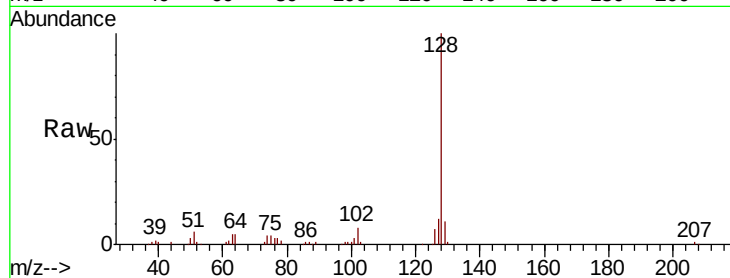
Tot Ion:128 Resp: 126838

Ion Ratio Lower Upper

128 100

127 12.2 10.4 15.6

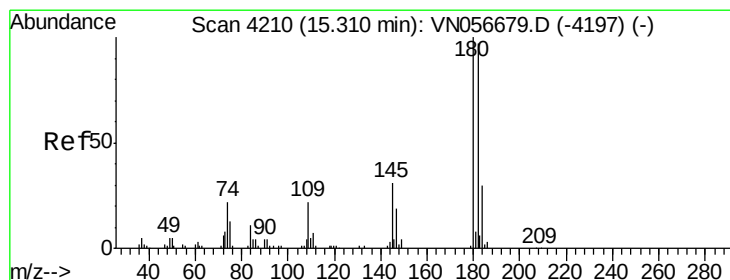
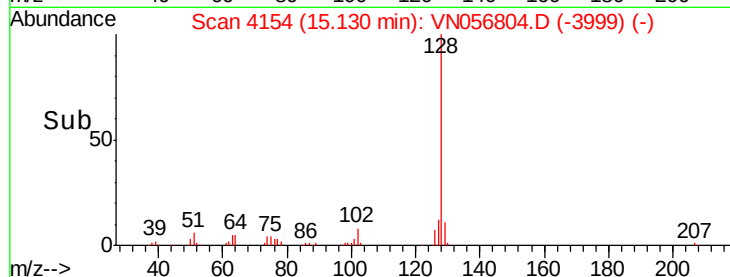
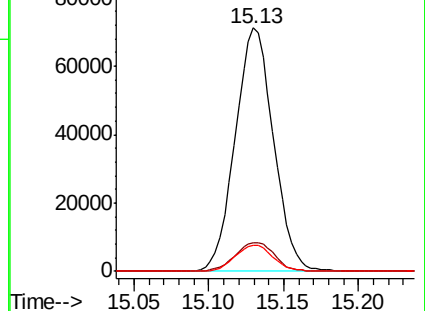
129 10.6 8.8 13.2



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



#92

1,2,3-Trichlorobenzene

Concen: 15.375 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

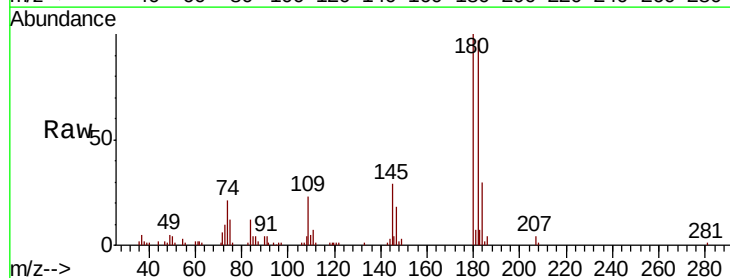
Tgt Ion:180 Resp: 56576

Ion Ratio Lower Upper

180 100

182 96.1 0.0 192.4

145 29.8 0.0 60.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

