

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056681.D
 Acq On : 12 Jul 2019 11:22
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 12 23:44:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	54070	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	303288	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	277326	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	109940	29.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.90%
60) 4-Bromofluorobenzene	12.40	95	132824	31.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.47%
63) Toluene-d8	10.09	98	371081	28.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	313658	111.571	ug/l 98
3) Chloromethane	2.06	50	411930	102.640	ug/l 99
4) Vinyl Chloride	2.18	62	407362	106.695	ug/l 100
5) Bromomethane	2.54	94	218834	105.621	ug/l 97
6) Chloroethane	2.69	64	228546	107.791	ug/l 100
7) Trichlorofluoromethane	3.00	101	514024	105.111	ug/l 99
8) Diethyl Ether	3.41	74	211261	103.193	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	313660	101.489	ug/l 100
10) 1,1-Dichloroethene	3.73	96	318393	105.718	ug/l 97
11) Methyl Iodide	3.95	142	463542	108.266	ug/l 98
12) Methyl Acetate	4.32	43	387010	95.874	ug/l 97
13) Acrolein	3.60	56	131875	358.304	ug/l 99
14) Acrylonitrile	4.99	53	940502	529.155	ug/l 100
15) Acetone	3.82	58	317164	583.596	ug/l 96
16) Carbon Disulfide	4.05	76	867635	116.906	ug/l 99
17) Allyl chloride	4.32	41	563891	106.767	ug/l 97
18) Methylene Chloride	4.55	84	368218	103.270	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	339233	103.738	ug/l 97
20) Diisopropyl ether	5.95	45	1101195	101.734	ug/l 94
21) 1,1-Dichloroethane	5.85	63	628979	102.805	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	395503	102.991	ug/l 99
23) tert-Butyl Alcohol	4.79	59	331069	496.763	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	1017865	102.703	ug/l 99
25) Chloroform	7.37	83	604836	100.667	ug/l 99
26) Cyclohexane	7.65	56	589117	103.760	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	475619	103.216	ug/l 99
30) 2-Butanone	6.84	43	1357147	523.229	ug/l 100
31) 2,2-Dichloropropane	6.82	77	472379	106.570	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	514115	105.013	ug/l 99
33) Carbon Tetrachloride	7.77	117	448585	107.322	ug/l 96
34) Benzene	8.04	78	1452416	101.235	ug/l # 92
35) Methacrylonitrile	7.18	41	214778	100.534	ug/l 97
36) 1,2-Dichloroethane	8.12	62	462057	99.301	ug/l 99
37) Trichloroethene	8.83	130	392212	103.762	ug/l 97
38) Methylcyclohexane	9.08	83	607167	104.907	ug/l 99
39) 1,2-Dichloropropane	9.12	63	388925	100.980	ug/l 99
40) Dibromomethane	9.21	93	247883	103.581	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	469804	105.563	ug/l	98
42) Vinyl Acetate	5.89	43	4729592	522.890	ug/l	100
43) Ethyl Acetate	6.93	43	489689	99.876	ug/l	97
44) Isopropyl Acetate	8.17	43	788549	103.419	ug/l	99
45) 1,4-Dioxane	9.20	88	159176	2101.762	ug/l	99
46) Methyl methacrylate	9.20	41	383320	102.150	ug/l	99
47) n-amyl Acetate	12.07	43	683536	108.201	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	535136	111.962	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	598396	108.905	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	361565	102.942	ug/l	99
51) Ethyl methacrylate	10.43	69	582128	105.952	ug/l	98
52) 1,3-Dichloropropane	10.71	76	611066	101.961	ug/l	99
53) Dibromochloromethane	10.90	129	387620	111.798	ug/l	99
54) 1,2-Dibromoethane	11.00	107	383584	104.644	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	1414960	509.911	ug/l	99
56) Bromoform	12.13	173	296945	116.972	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	2515283	496.805	ug/l	99
59) 2-Hexanone	10.75	43	1920057	504.179	ug/l	99
61) Tetrachloroethene	10.63	164	369733	102.109	ug/l	98
62) Toluene	10.15	91	1568018	99.385	ug/l	99
64) Chlorobenzene	11.43	112	965401	101.436	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	357346	103.480	ug/l	100
66) Ethyl Benzene	11.51	91	1735271	101.329	ug/l	100
67) m/p-Xylenes	11.62	106	1310775	206.164	ug/l	99
68) o-Xylene	11.95	106	632032	101.317	ug/l	98
69) Styrene	11.96	104	1089003	105.007	ug/l	99
70) Isopropylbenzene	12.25	105	1667459	102.056	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	531797	98.990	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	675994	149.989	ug/l	64
73) Bromobenzene	12.53	156	442151	104.810	ug/l	99
74) n-propylbenzene	12.59	91	1921069	103.124	ug/l	99
75) 2-Chlorotoluene	12.67	91	1128880	101.636	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	1415253	101.670	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	174180	118.832	ug/l	91
78) 4-Chlorotoluene	12.77	91	1134031	105.205	ug/l	99
79) tert-butylbenzene	12.99	119	1209319	102.029	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	1423154	103.479	ug/l	100
81) sec-Butylbenzene	13.17	105	1607369	102.138	ug/l	100
82) p-Isopropyltoluene	13.29	119	1483538	104.366	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	756329	107.584	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	741671	109.611	ug/l	99
85) n-Butylbenzene	13.61	91	1280493	107.639	ug/l	99
86) Hexachloroethane	13.87	117	245548	113.576	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	750796	105.983	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	99537	103.999	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	432659	110.780	ug/l	98
90) Hexachlorobutadiene	15.01	225	244893	99.303	ug/l	99
91) Naphthalene	15.13	128	1244167	115.700	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	438161	107.166	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:38:18 2019
Response via : Initial Calibration

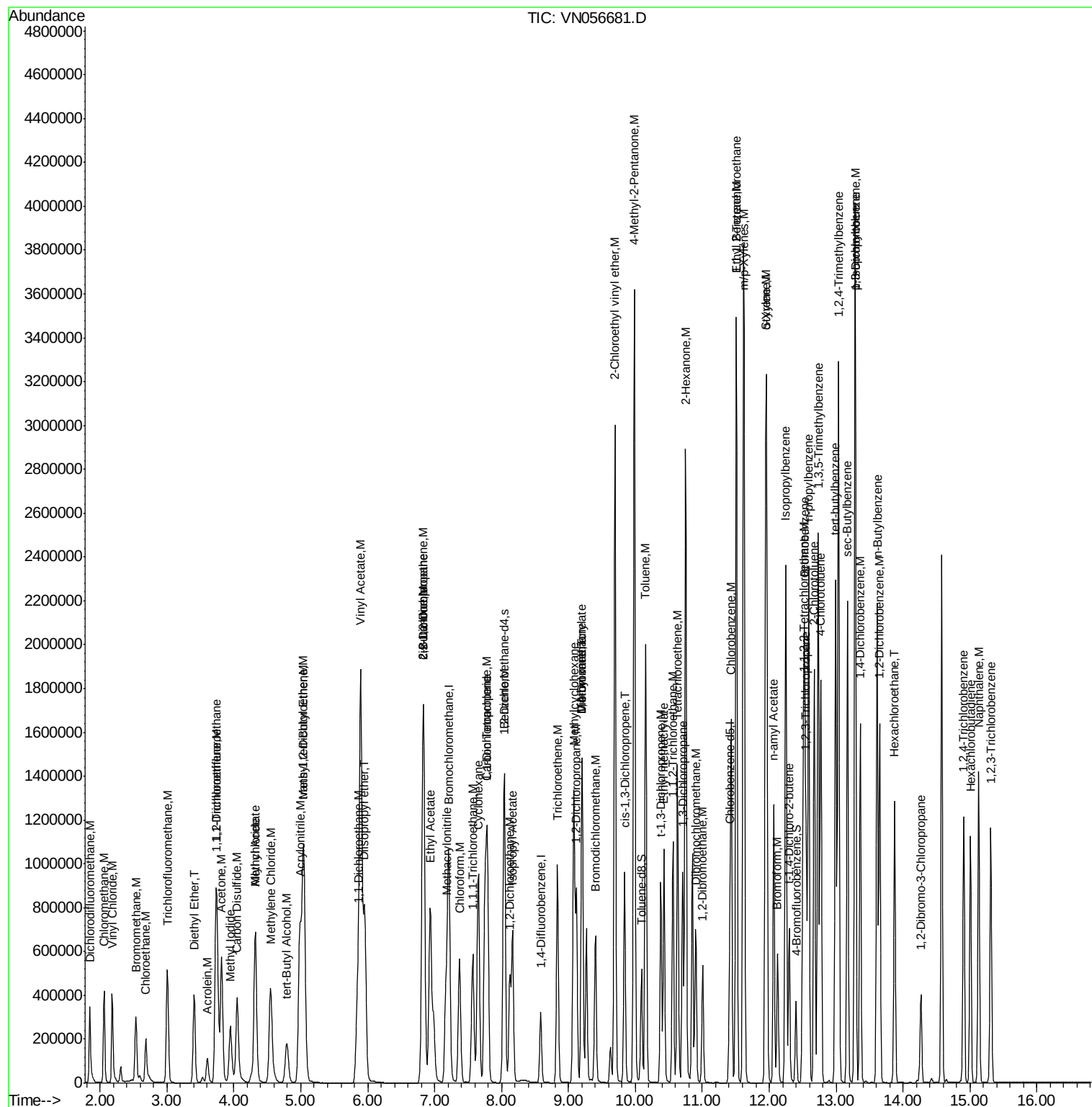
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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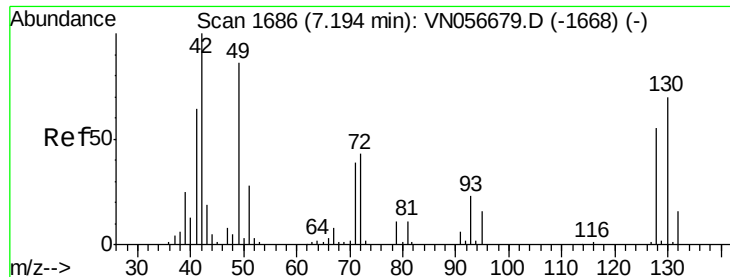
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
Data File : VN056681.D
Acq On : 12 Jul 2019 11:22
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Jul 12 23:44:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:38:18 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

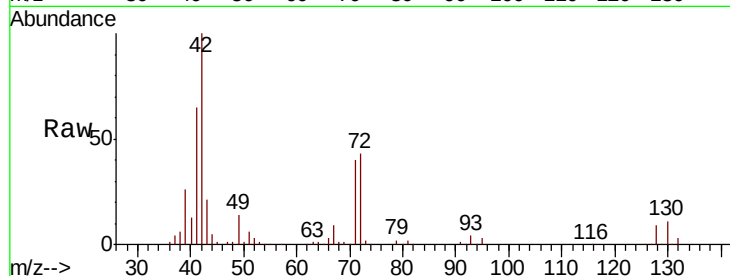
Tot Ion:128 Resp: 54070

Ion Ratio Lower Upper

128 100

49 167.0 0.0 390.5

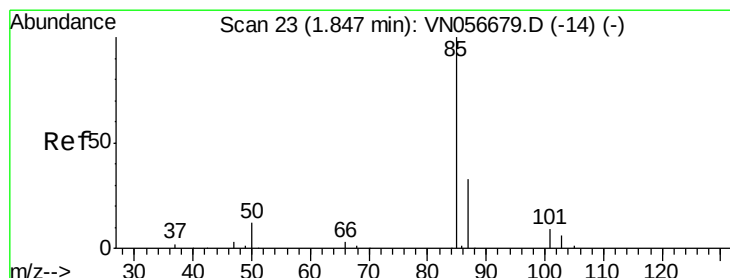
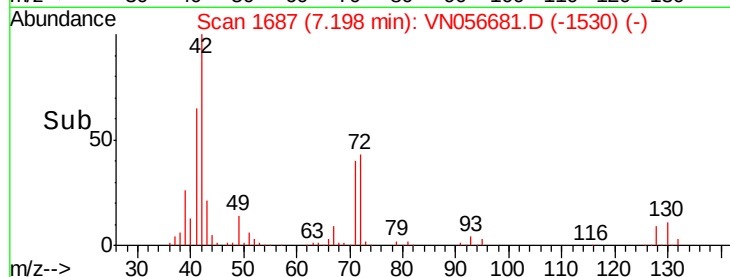
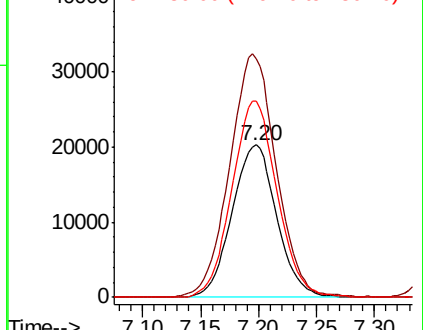
130 130.4 0.0 316.5



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: 111.571 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056681.D

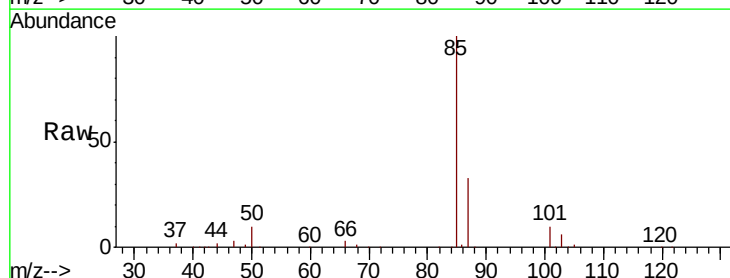
Acq: 12 Jul 2019 11:22

Tgt Ion: 85 Resp: 313658

Ion Ratio Lower Upper

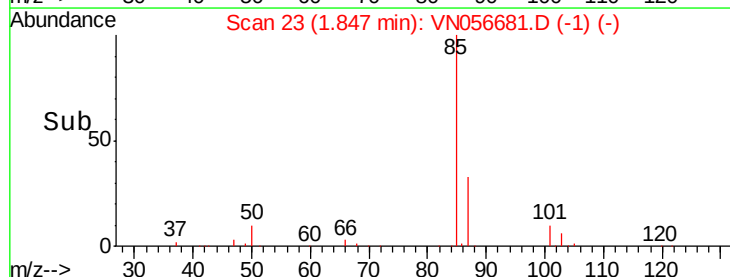
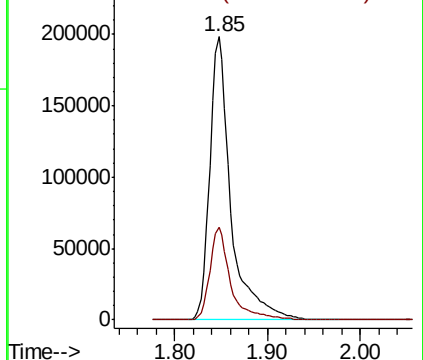
85 100

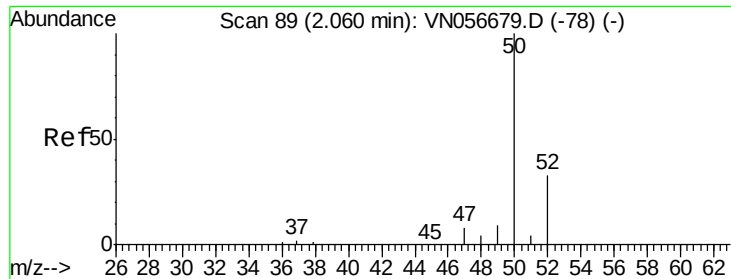
87 32.6 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 102.640 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

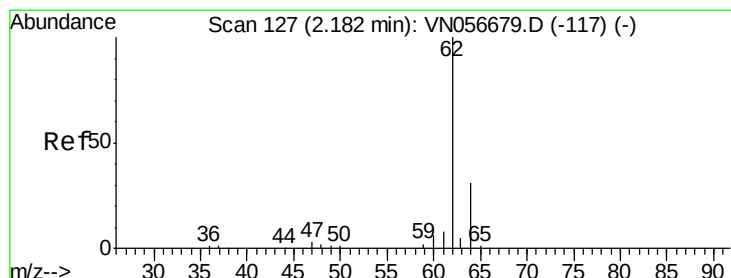
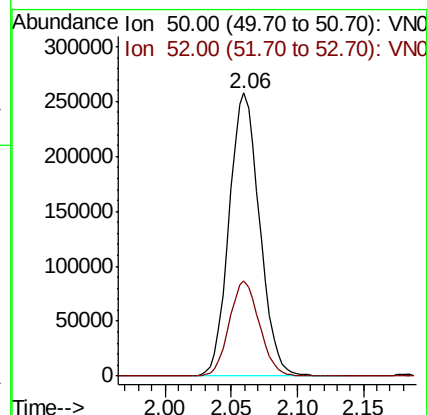
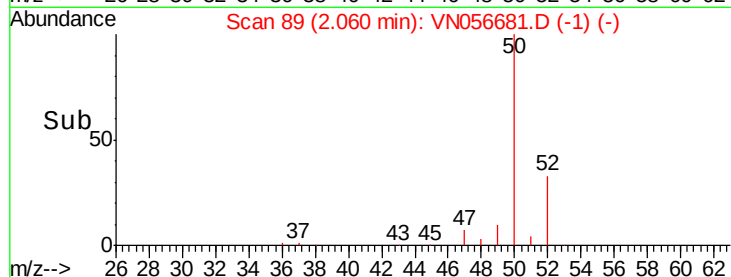
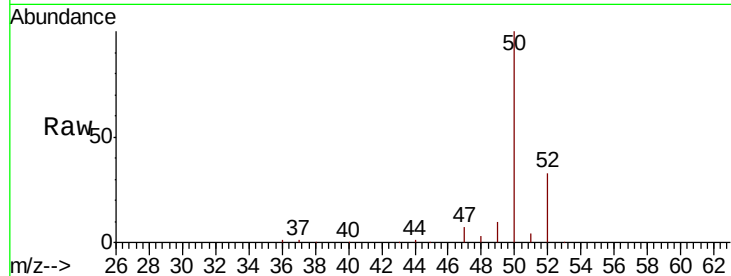
ClientSampleId :

Tot Ion: 50 Resp: 411930

Ion Ratio Lower Upper

50 100

52 33.4 26.5 39.7



#4

Vinyl Chloride

Concen: 106.695 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056681.D

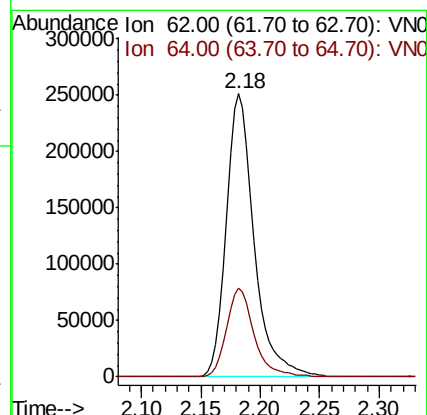
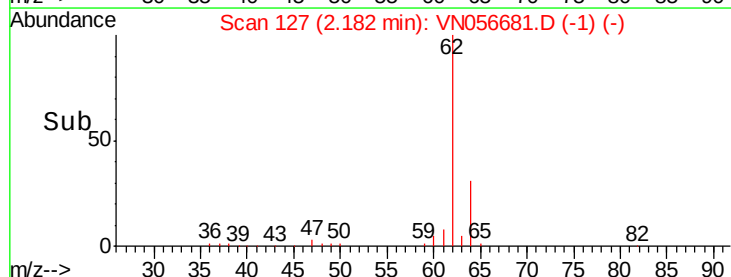
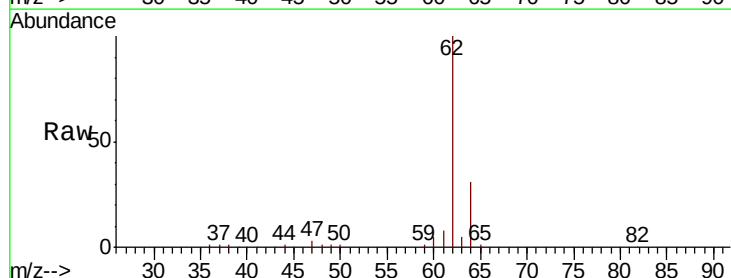
Acq: 12 Jul 2019 11:22

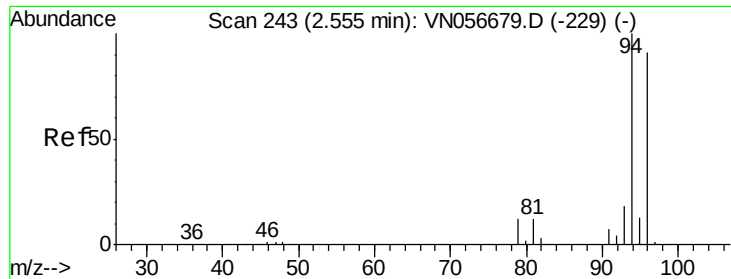
Tgt Ion: 62 Resp: 407362

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4

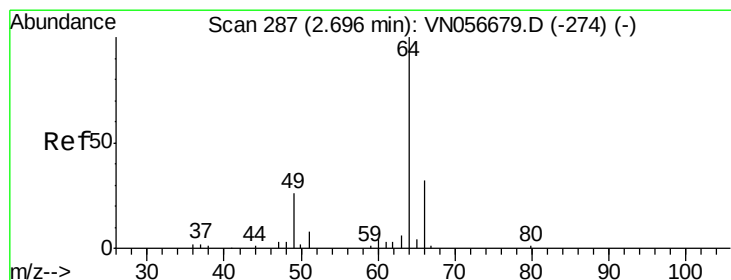
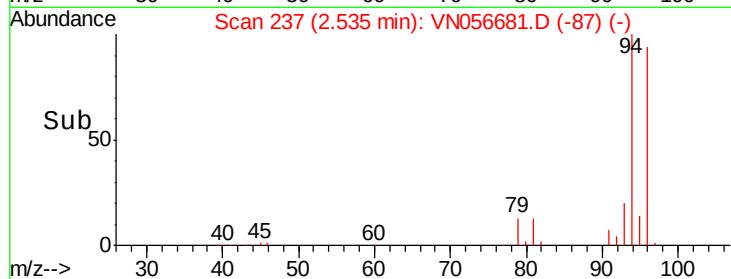
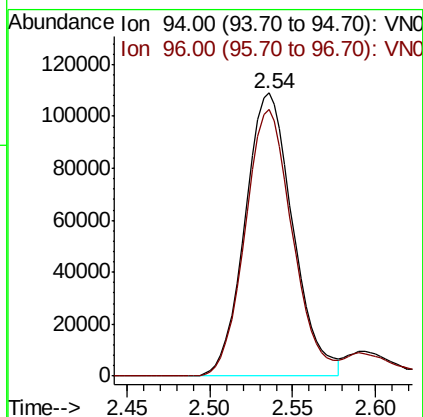
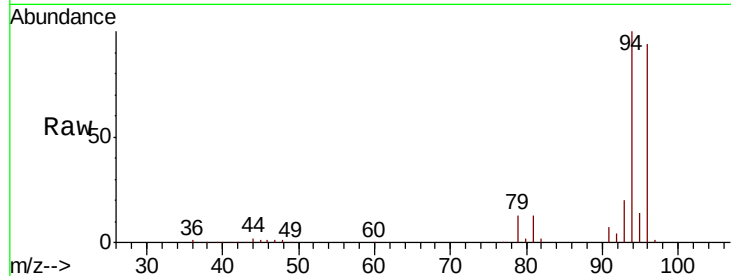




#5
Bromomethane
Concen: 105.621 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.02 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

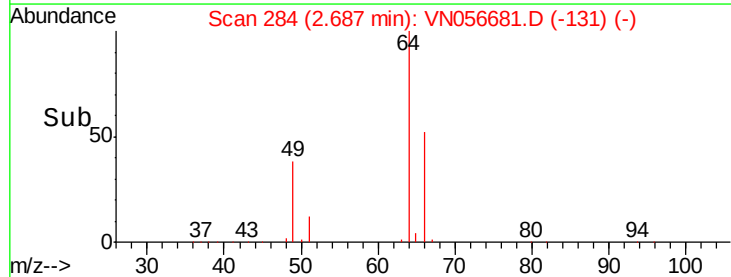
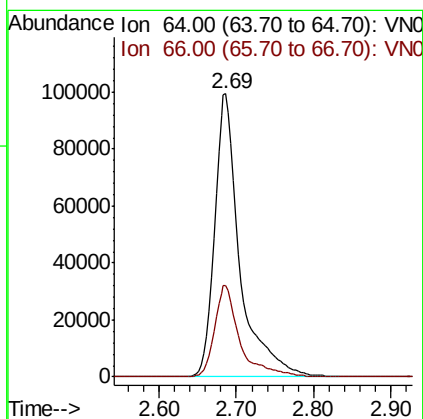
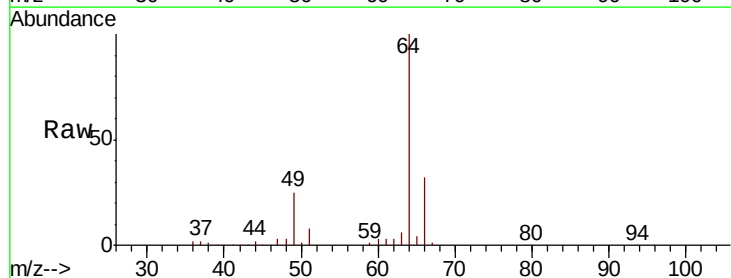
Instrument :
MSVOA_N
ClientSampled :

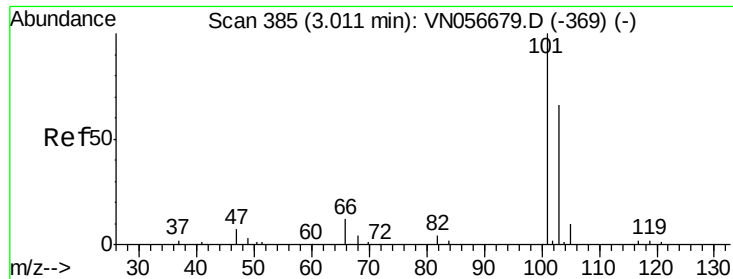
Tot Ion: 94 Resp: 218834
Ion Ratio Lower Upper
94 100
96 94.3 72.8 109.2



#6
Chloroethane
Concen: 107.791 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.01 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 64 Resp: 228546
Ion Ratio Lower Upper
64 100
66 32.4 25.7 38.5



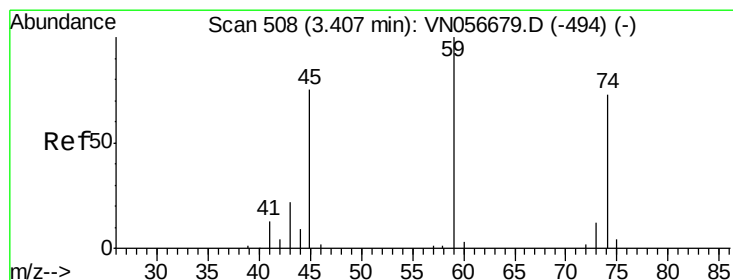
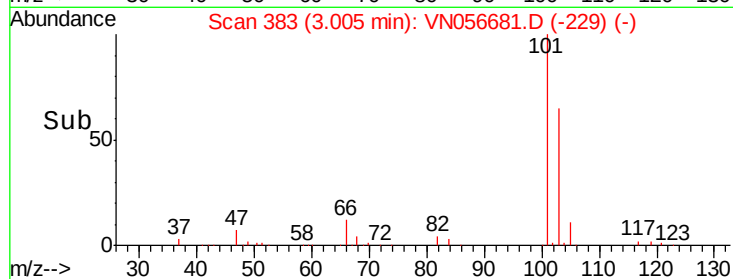
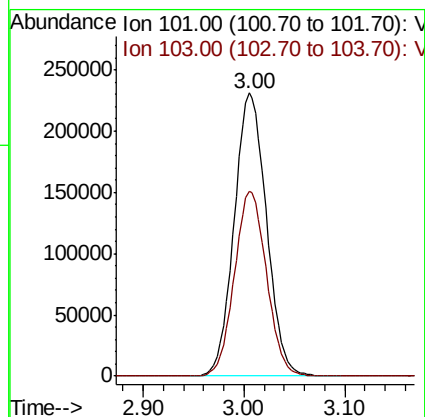
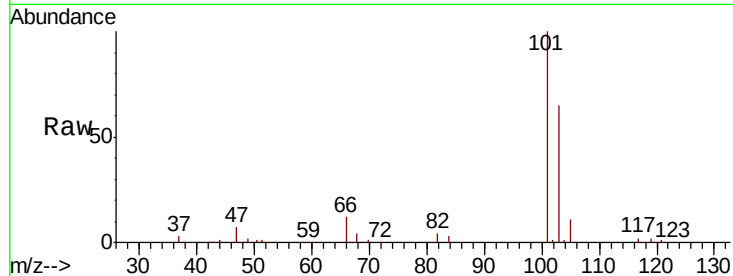


#7

Trichlorofluoromethane
 Concen: 105.111 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampled :

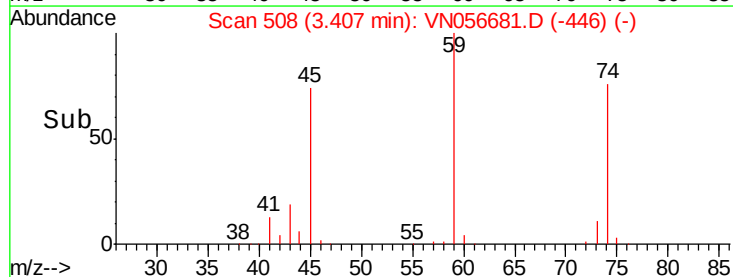
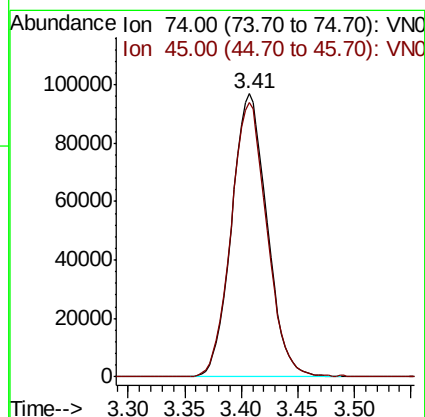
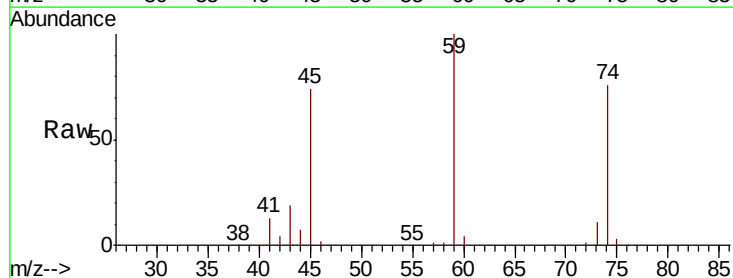
Tot Ion:101 Resp: 514024
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.8 79.2

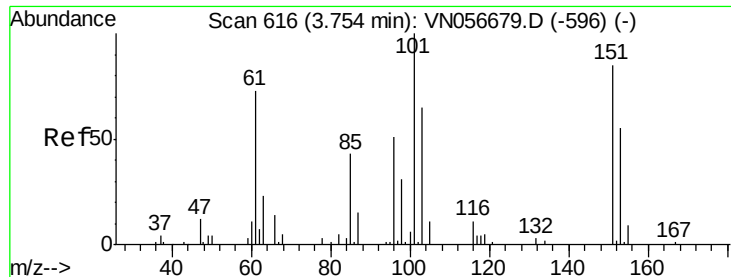


#8

Diethyl Ether
 Concen: 103.193 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion: 74 Resp: 211261
 Ion Ratio Lower Upper
 74 100
 45 97.6 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.489 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

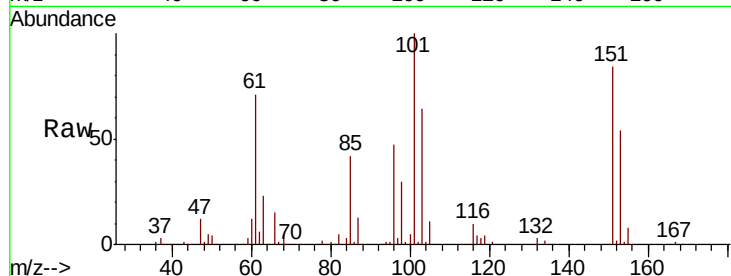
Tot Ion:101 Resp: 313660

Ion Ratio Lower Upper

101 100

85 41.9 0.0 84.2

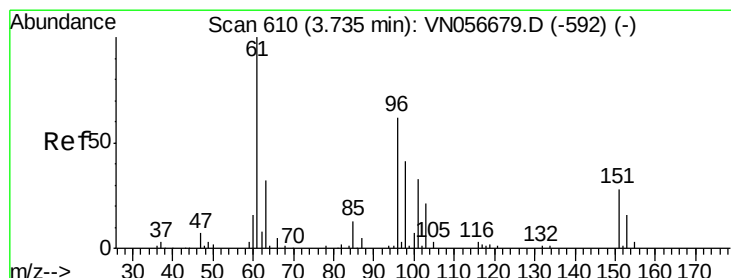
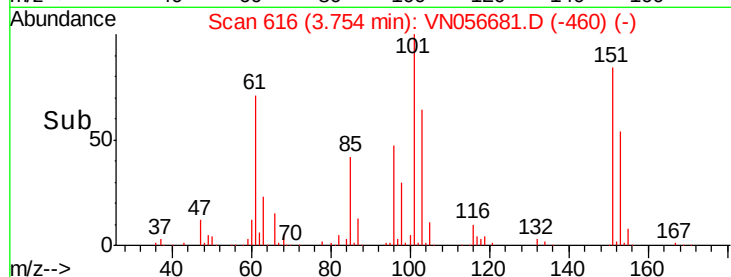
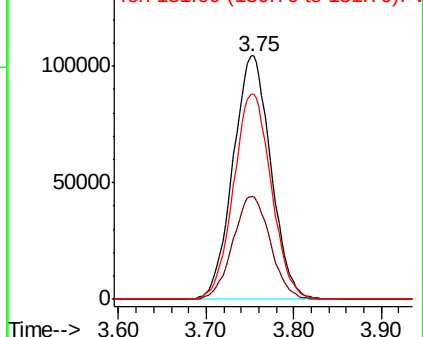
151 84.1 0.0 167.6



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: 105.718 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

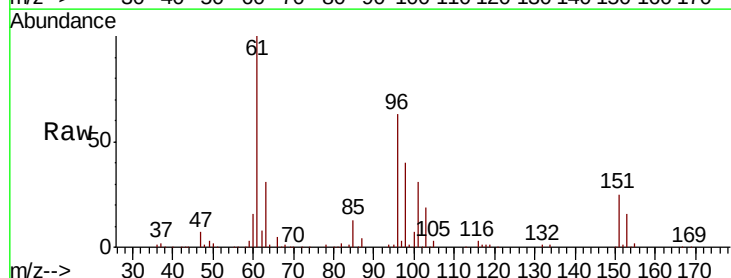
Tgt Ion: 96 Resp: 318393

Ion Ratio Lower Upper

96 100

61 158.2 129.0 193.4

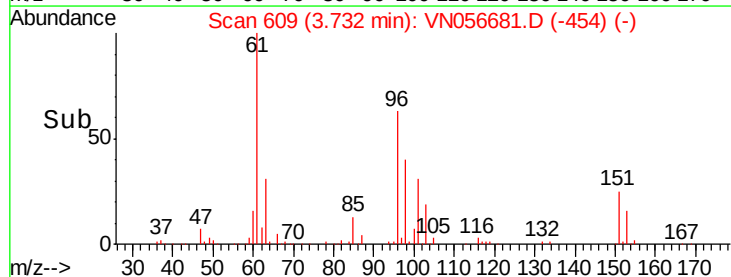
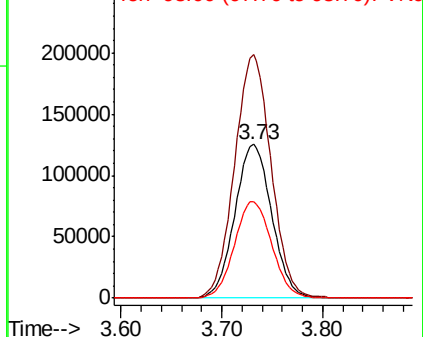
98 62.8 52.5 78.7

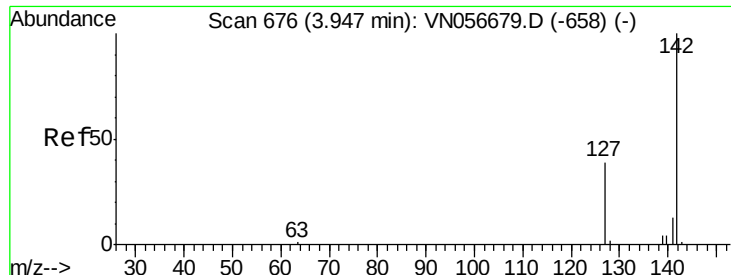


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

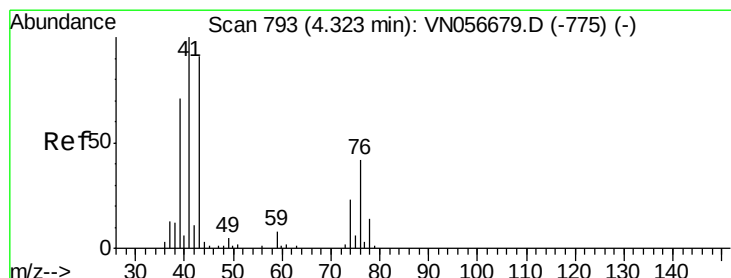
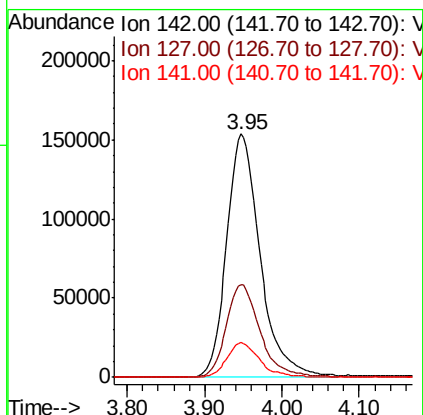
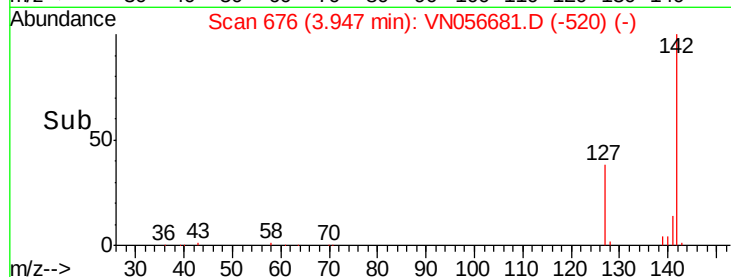
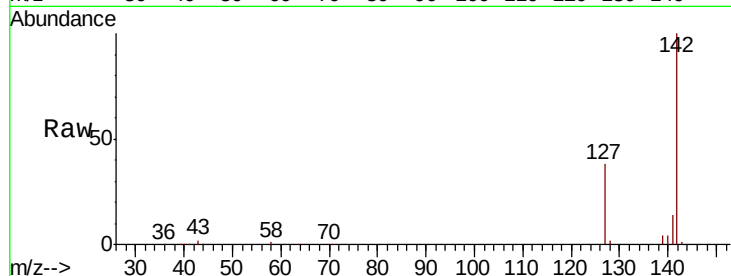




#11
Methvl Iodide
Concen: 108.266 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

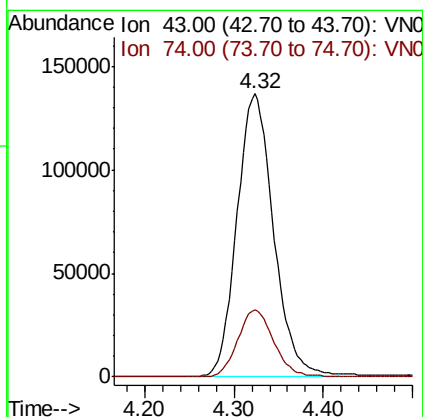
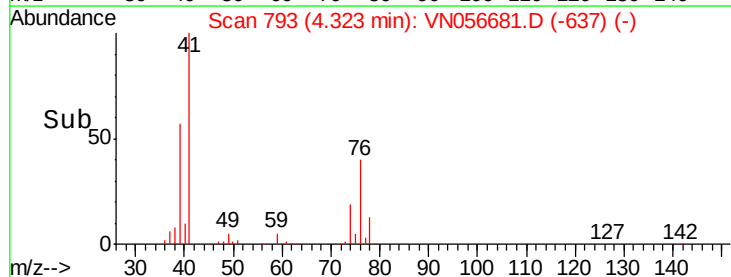
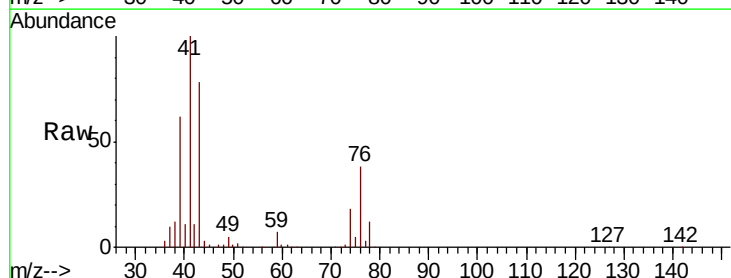
Instrument :
MSVOA_N
ClientSampled :

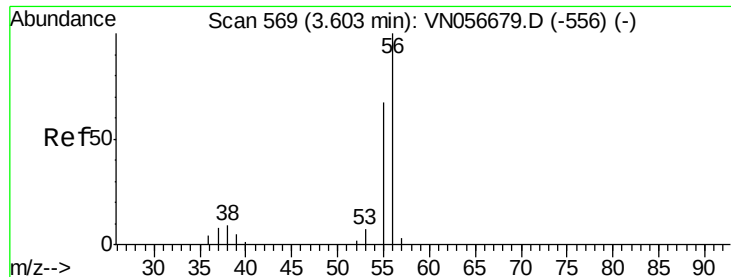
Tot Ion:142 Resp: 463542
Ion Ratio Lower Upper
142 100
127 38.1 19.5 58.5
141 14.1 6.8 20.3



#12
Methyl Acetate
Concen: 95.874 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 43 Resp: 387010
Ion Ratio Lower Upper
43 100
74 23.8 20.2 30.4





#13

Acrolein

Concen: 358.304 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

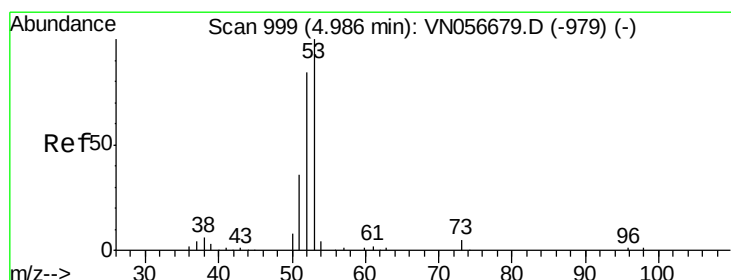
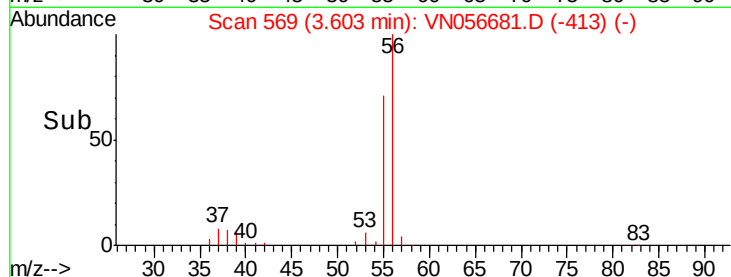
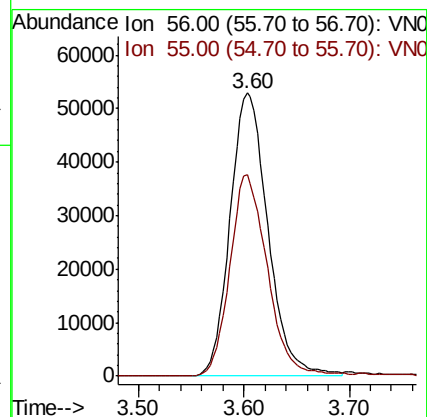
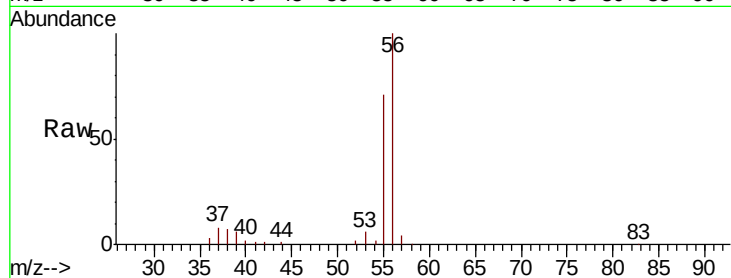
ClientSampled :

Tot Ion: 56 Resp: 131875

Ion Ratio Lower Upper

56 100

55 70.2 56.9 85.3



#14

Acrylonitrile

Concen: 529.155 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

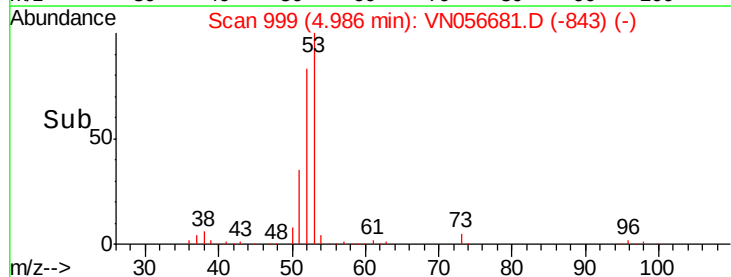
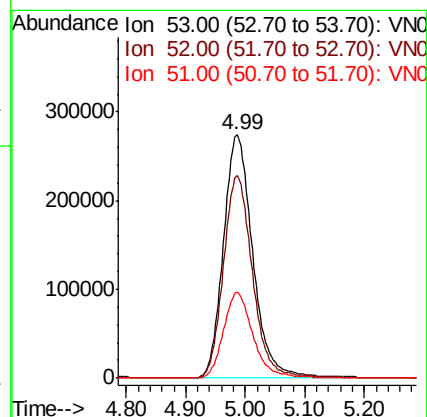
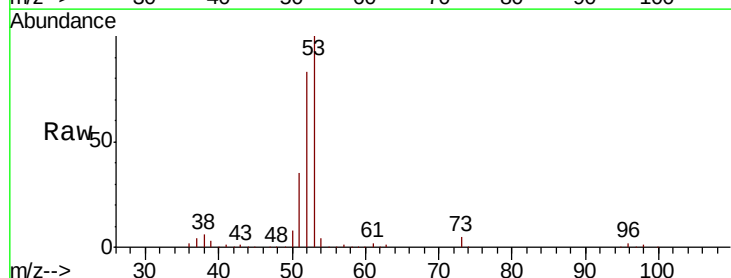
Tgt Ion: 53 Resp: 940502

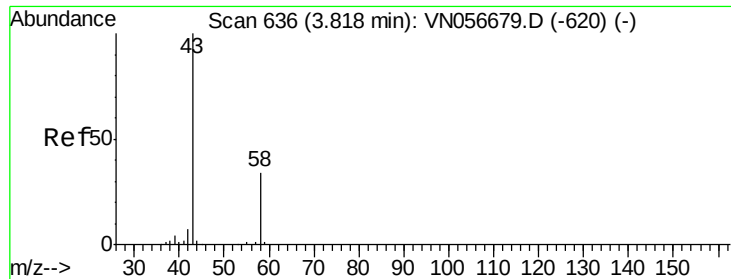
Ion Ratio Lower Upper

53 100

52 82.0 41.3 123.7

51 35.2 17.7 53.1

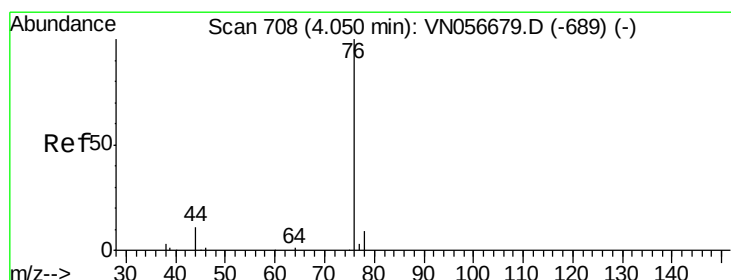
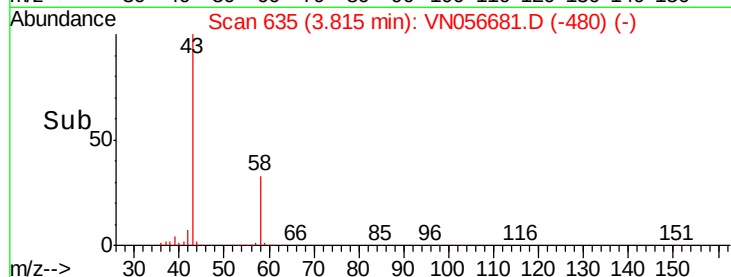
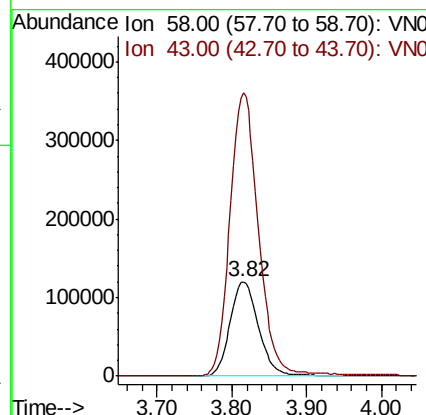
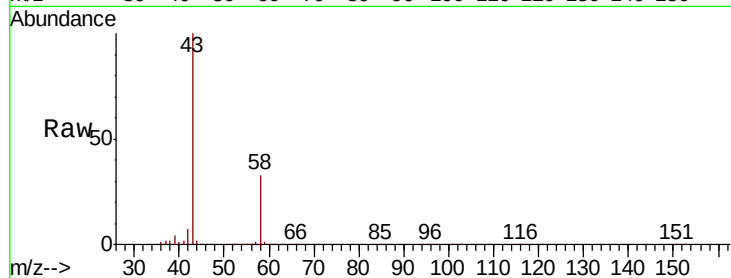




#15
Acetone
Concen: 583.596 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

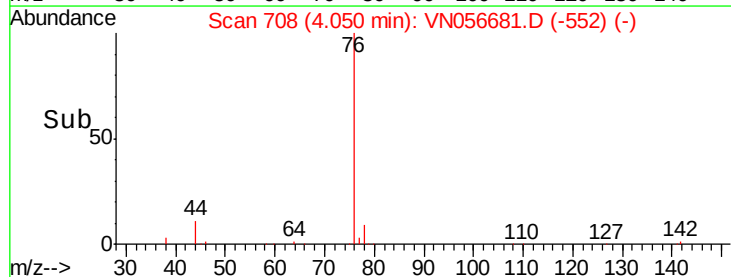
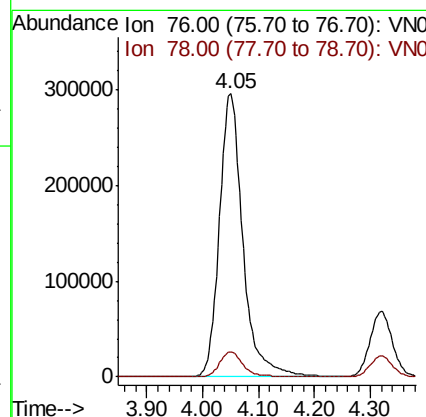
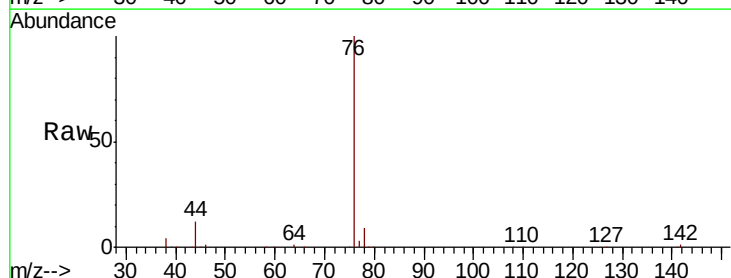
Instrument :
MSVOA_N
ClientSampled :

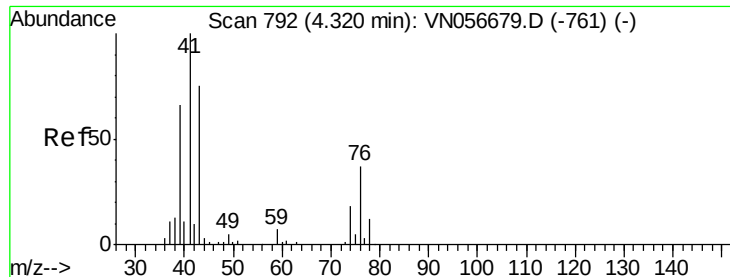
Tot Ion: 58 Resp: 317164
Ion Ratio Lower Upper
58 100
43 299.4 233.9 350.9



#16
Carbon Disulfide
Concen: 116.906 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 76 Resp: 867635
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

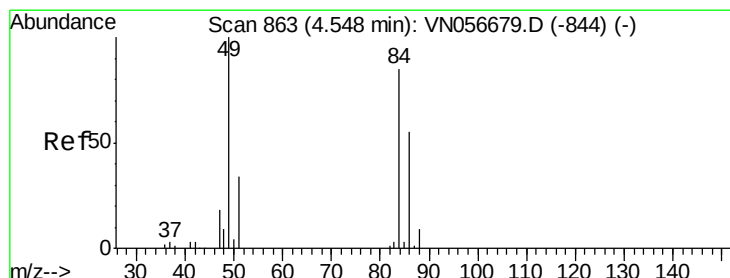
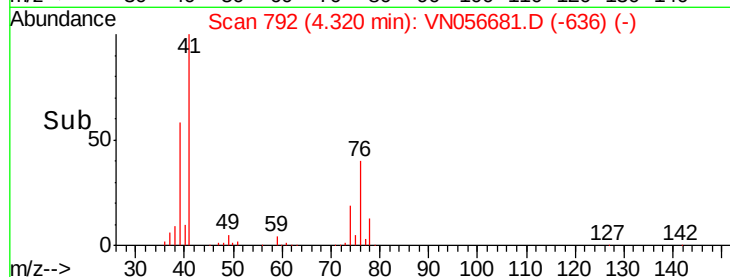
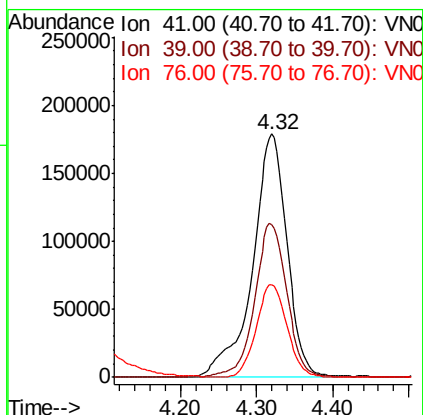
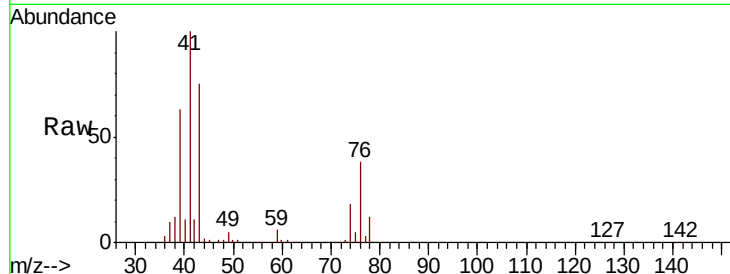




#17
Allvl chloride
Concen: 106.767 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

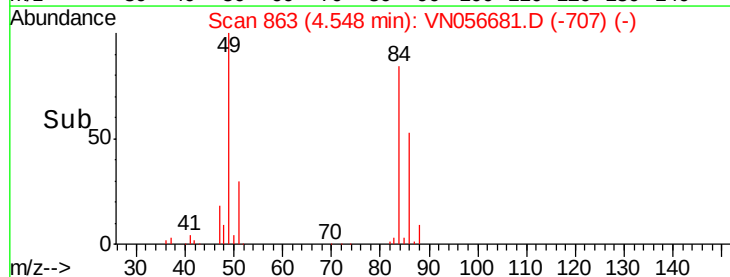
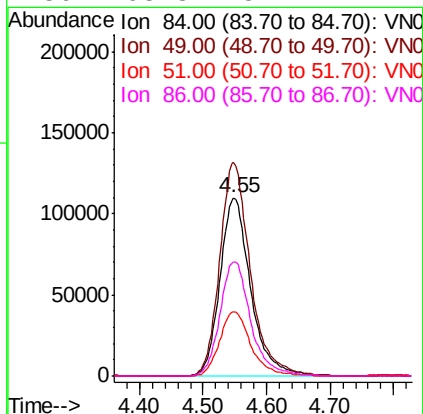
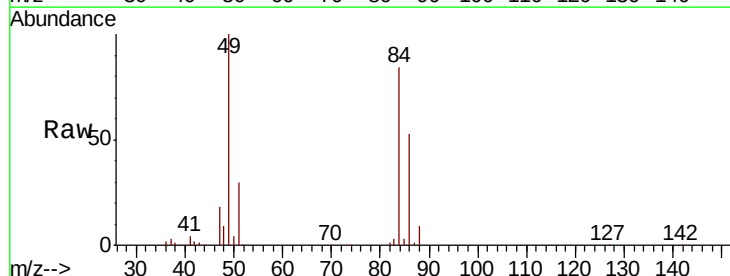
Instrument :
MSVOA_N
ClientSampled :

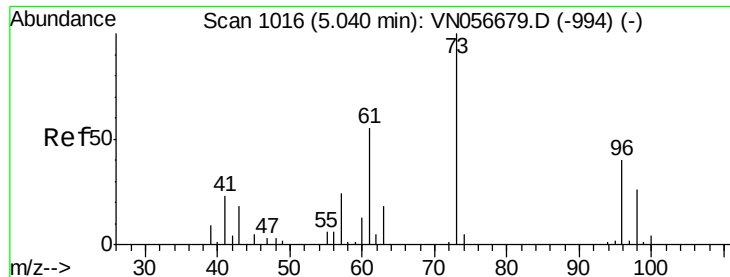
Tot Ion: 41 Resp: 563891
Ion Ratio Lower Upper
41 100
39 62.9 32.8 98.4
76 37.9 18.5 55.5



#18
Methylene Chloride
Concen: 103.270 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 84 Resp: 368218
Ion Ratio Lower Upper
84 100
49 119.5 93.9 140.9
51 36.1 31.7 47.5
86 63.8 51.4 77.2

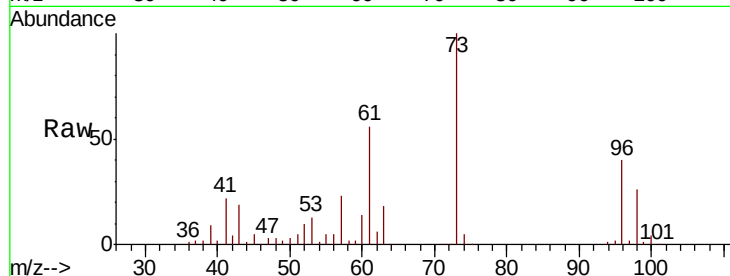




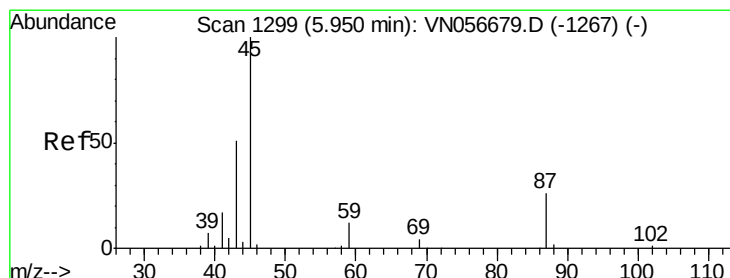
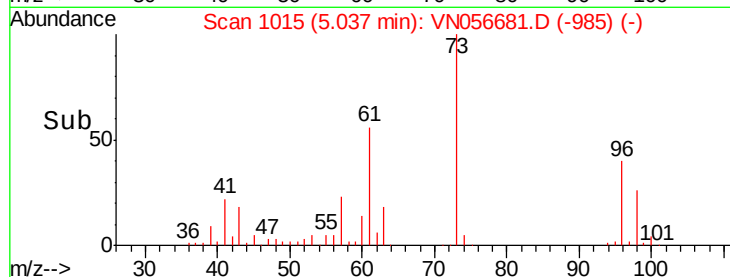
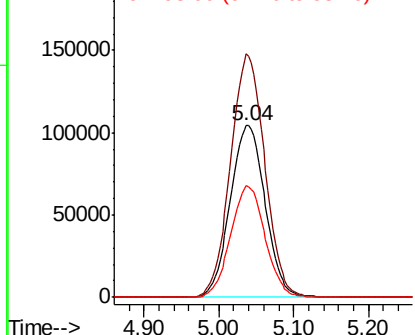
#19
trans-1,2-Dichloroethene
Concen: 103.738 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 339233
Ion Ratio Lower Upper
96 100
61 142.0 109.6 164.4
98 64.9 51.4 77.2

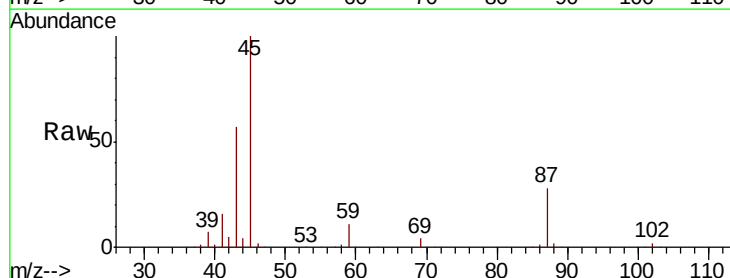


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

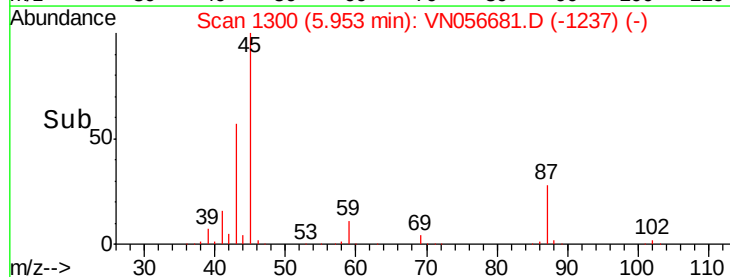
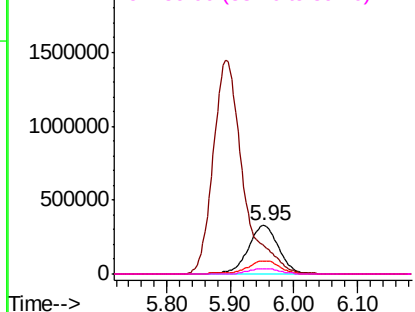


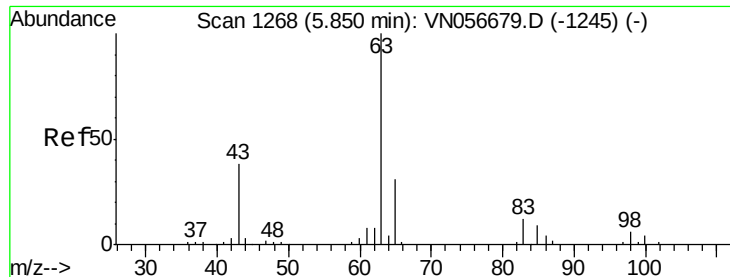
#20
Diisopropyl ether
Concen: 101.734 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 45 Resp: 1101195
Ion Ratio Lower Upper
45 100
43 56.1 50.3 75.5
87 27.6 21.4 32.0
59 11.4 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

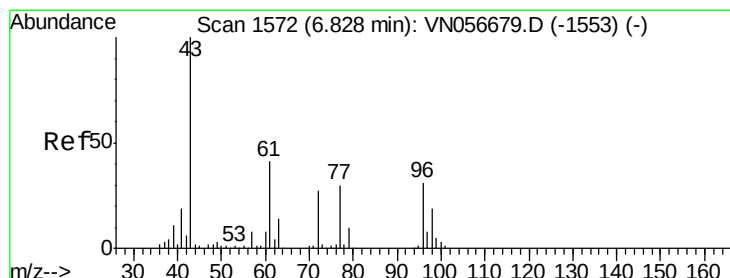
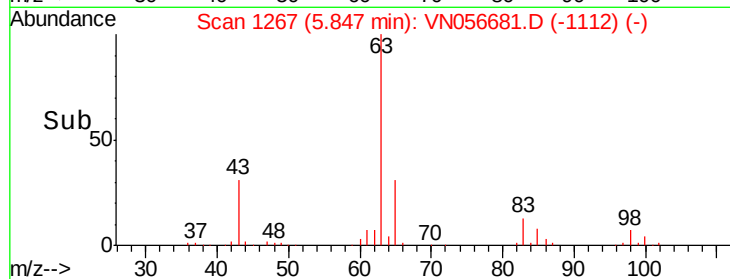
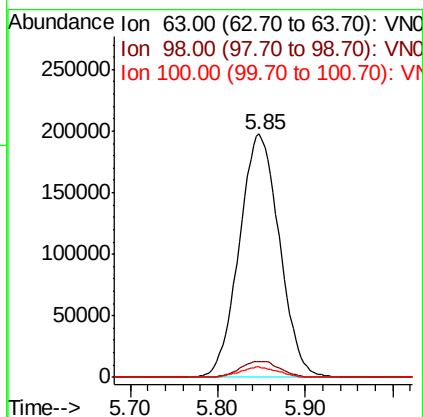
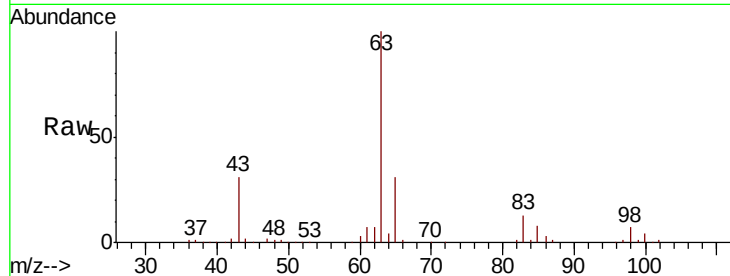




#21
 1,1-Dichloroethane
 Concen: 102.805 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

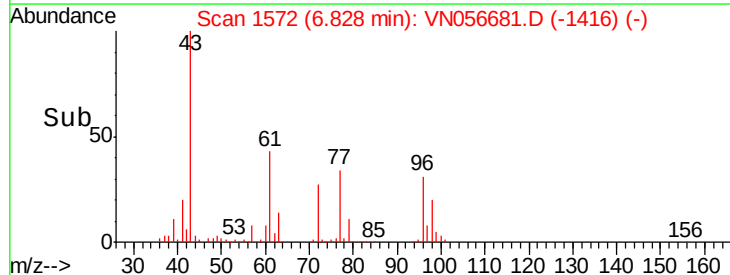
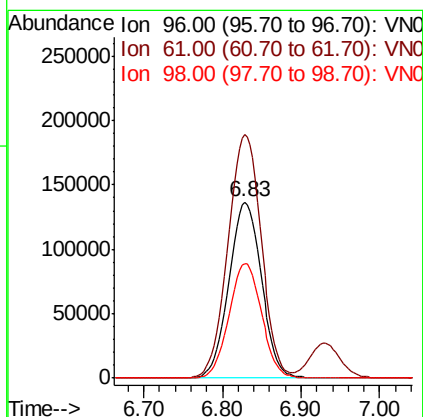
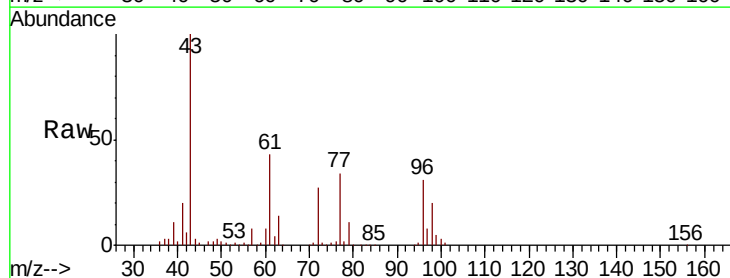
Instrument :
 MSVOA_N
 ClientSampled :

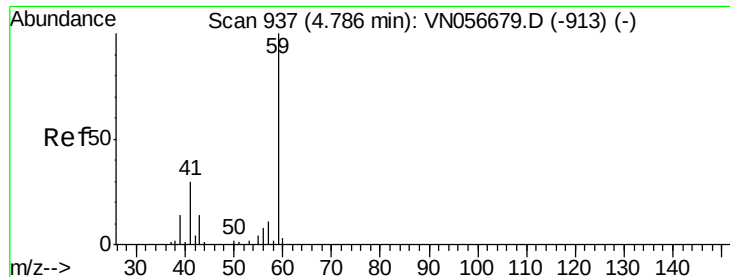
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.8
100	4.2	2.1	6.3



#22
 cis-1,2-Dichloroethene
 Concen: 102.991 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.1	112.1	168.1
98	64.8	52.2	78.2



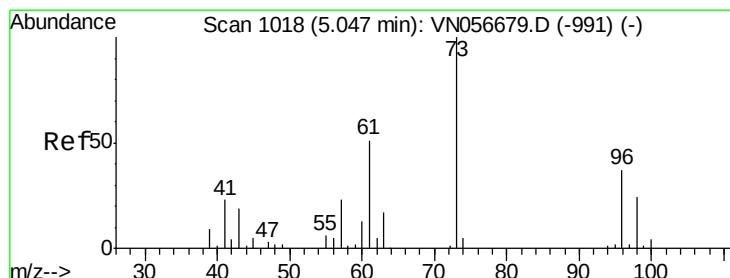
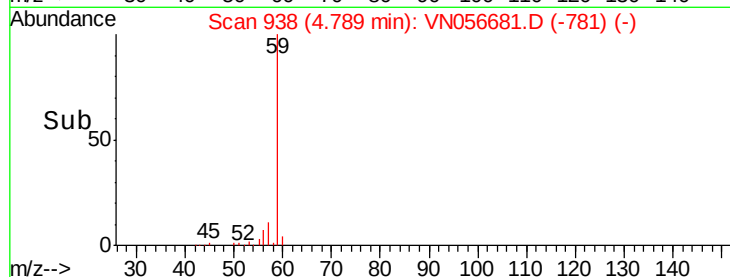
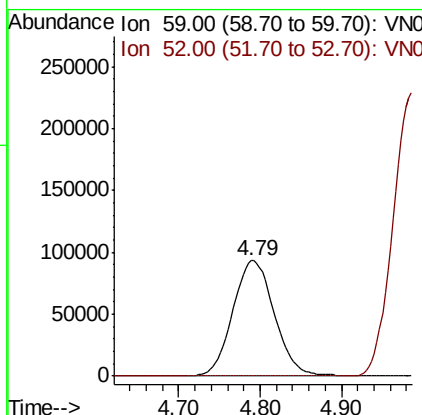
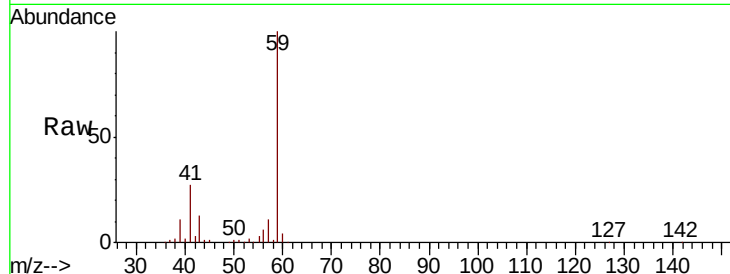


#23

tert-Butyl Alcohol
 Concen: 496.763 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :

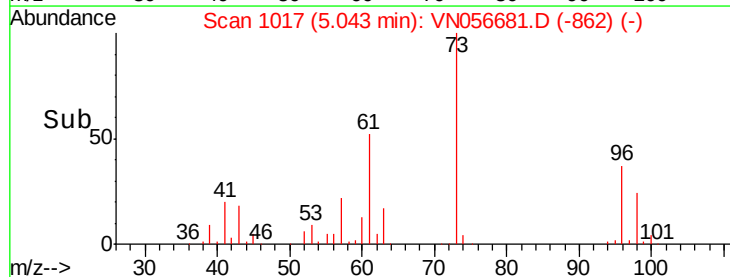
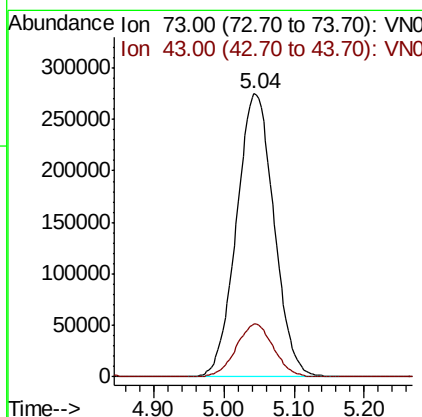
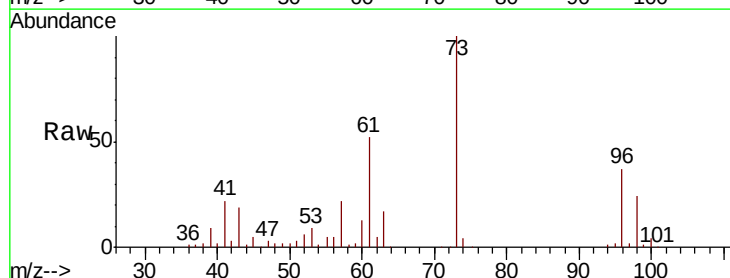
Tot Ion: 59 Resp: 331069
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1#

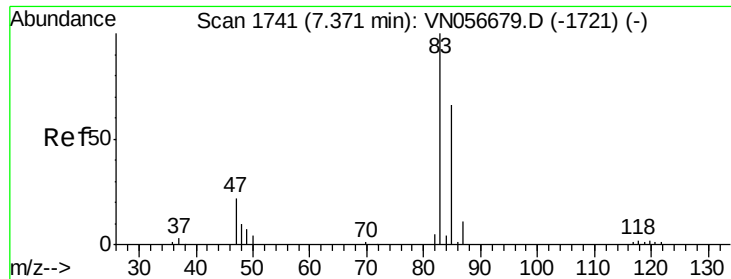


#24

Methyl tert-Butyl Ether
 Concen: 102.703 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion: 73 Resp: 1017865
 Ion Ratio Lower Upper
 73 100
 43 18.4 15.1 22.7

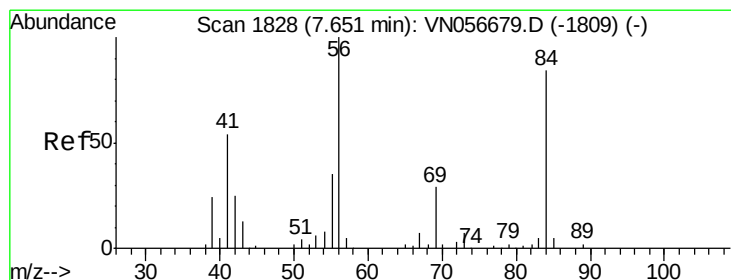
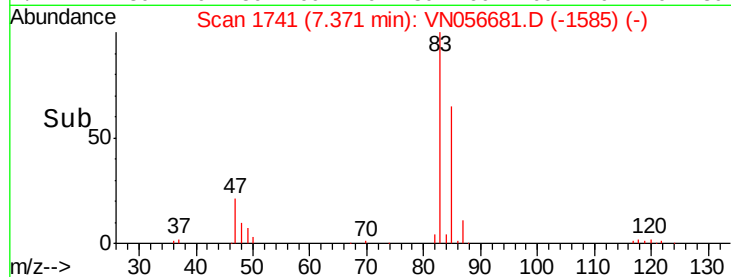
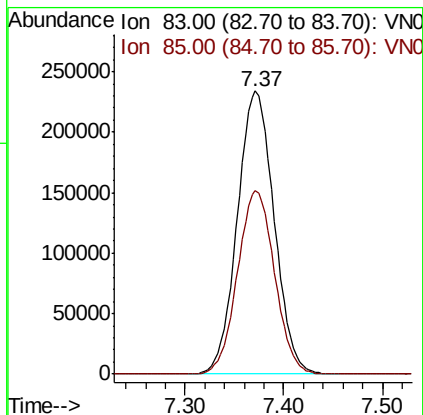
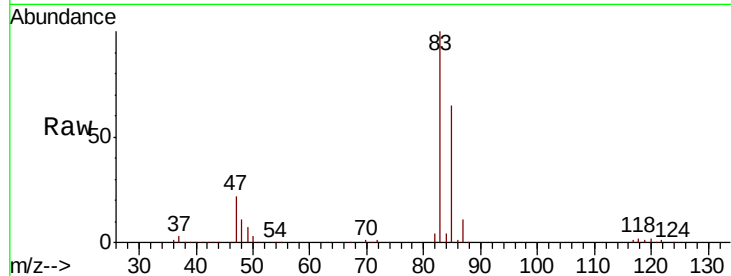




#25
Chloroform
Concen: 100.667 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

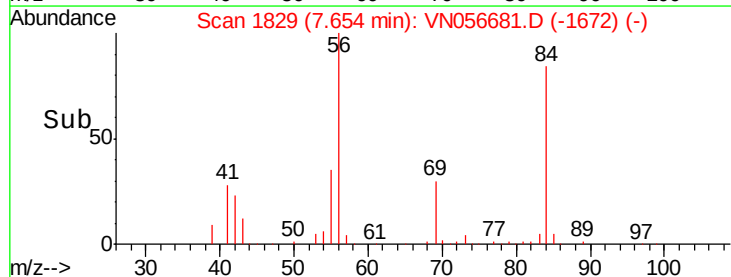
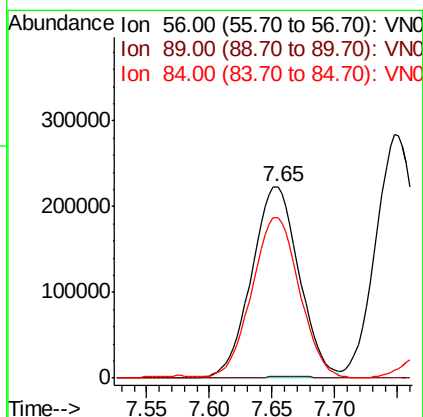
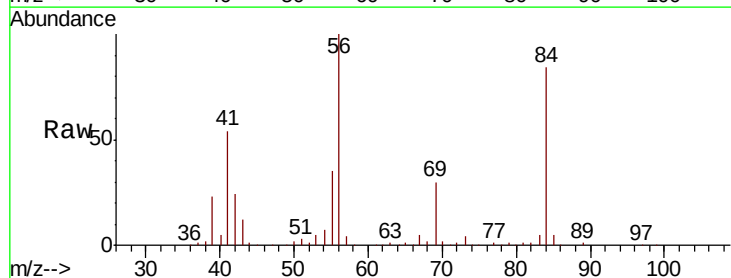
Instrument :
MSVOA_N
ClientSampleId :

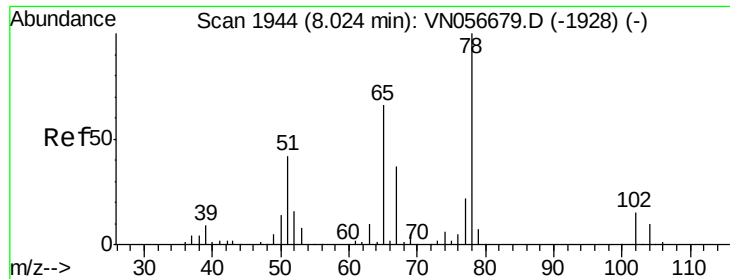
Tot Ion: 83 Resp: 604836
Ion Ratio Lower Upper
83 100
85 64.8 52.6 79.0



#26
Cyclohexane
Concen: 103.760 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 56 Resp: 589117
Ion Ratio Lower Upper
56 100
89 0.9 1.4 2.2#
84 84.3 68.2 102.4





#27

1,2-Dichloroethane-d4

Concen: 29.673 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

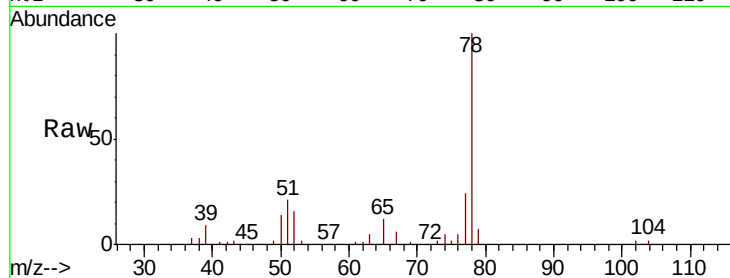
ClientSampleId :

Tot Ion: 65 Resp: 109940

Ion Ratio Lower Upper

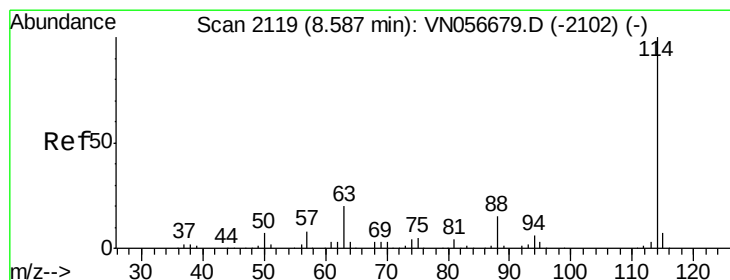
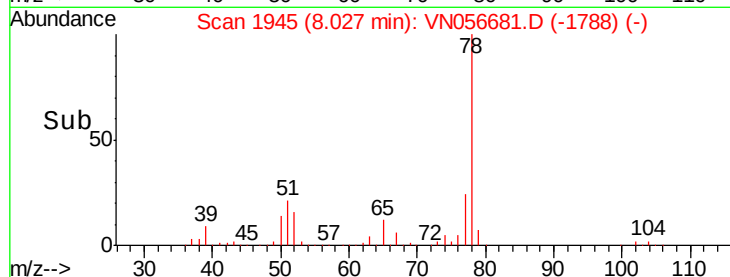
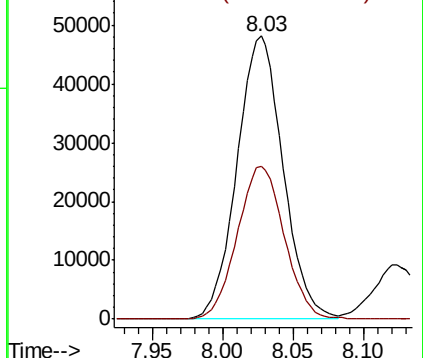
65 100

67 55.0 43.4 65.0



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

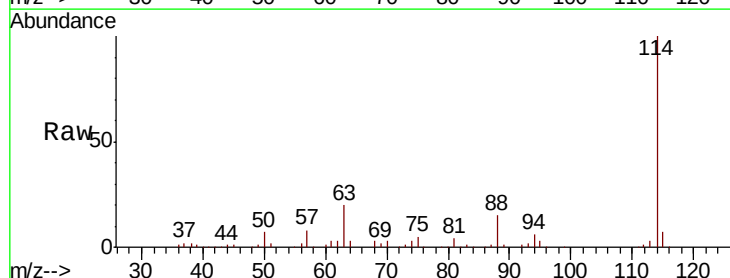
Tgt Ion: 114 Resp: 303288

Ion Ratio Lower Upper

114 100

63 19.6 16.2 24.2

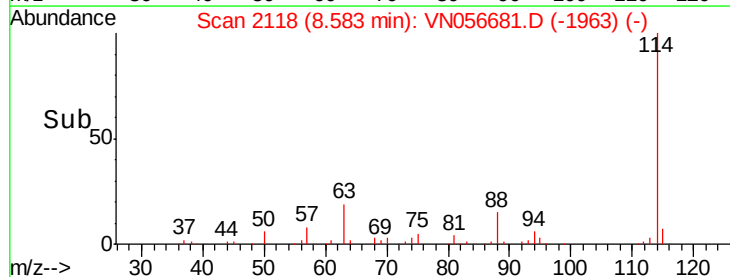
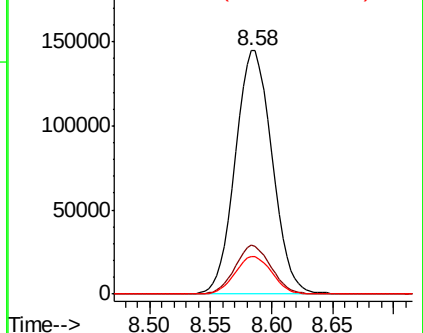
88 15.4 12.3 18.5

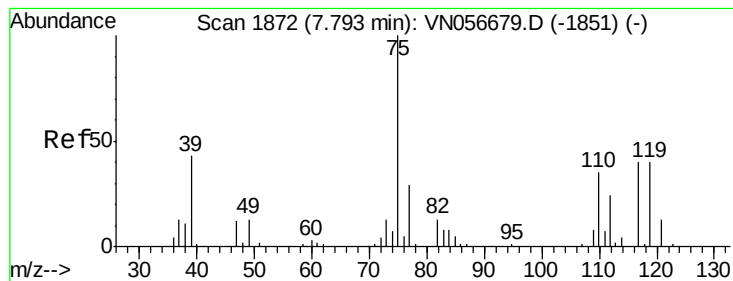


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





#29

1,1-Dichloropropene

Concen: 103.216 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

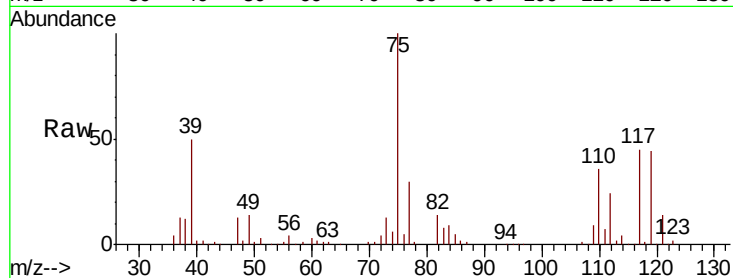
Tot Ion: 75 Resp: 475619

Ion Ratio Lower Upper

75 100

110 36.4 0.0 72.4

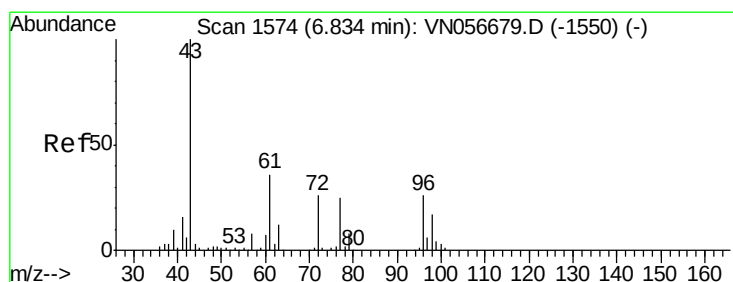
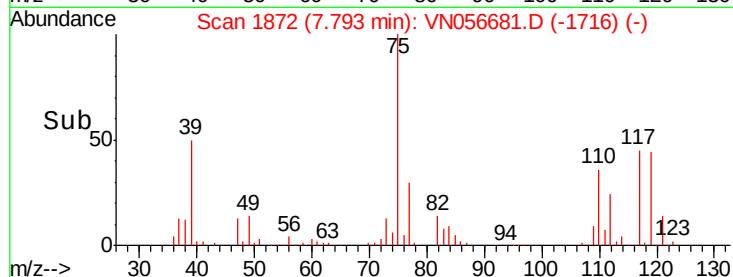
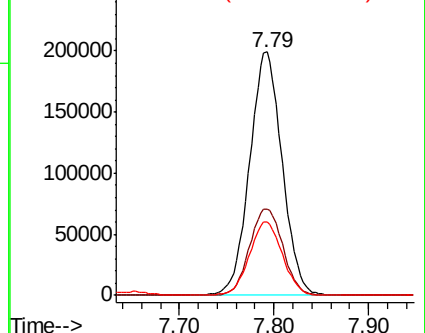
77 30.7 0.0 62.2



Abundance Ion 75.00 (74.70 to 75.70): VN056679.D (-1851) (-)

Ion 110.00 (109.70 to 110.70): VN056679.D (-1851) (-)

Ion 77.00 (76.70 to 77.70): VN056679.D (-1851) (-)



#30

2-Butanone

Concen: 523.229 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

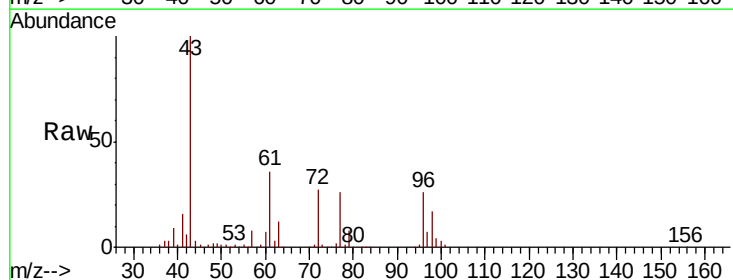
Tgt Ion: 43 Resp: 1357147

Ion Ratio Lower Upper

43 100

57 8.2 6.6 10.0

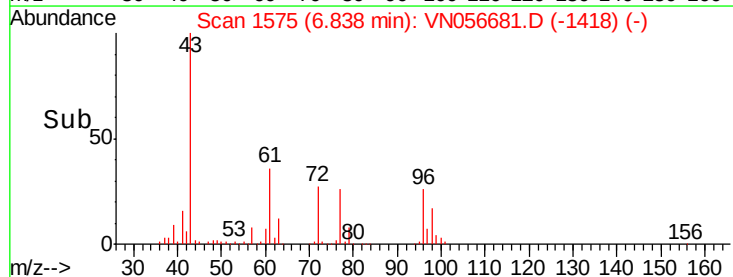
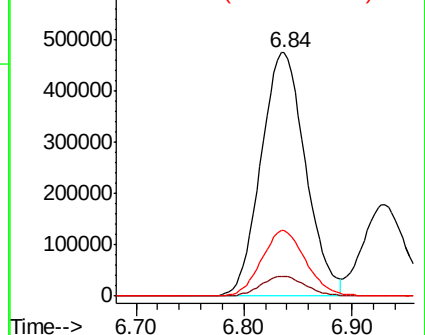
72 26.8 21.3 31.9

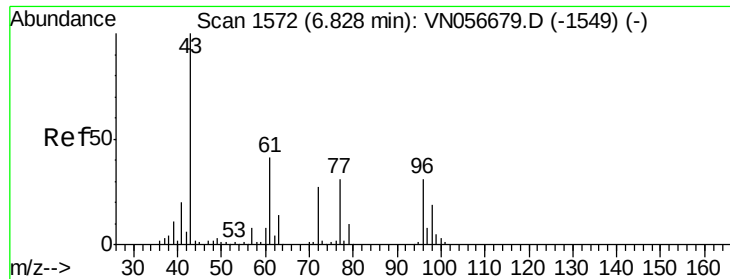


Abundance Ion 43.00 (42.70 to 43.70): VN056679.D (-1550) (-)

Ion 57.00 (56.70 to 57.70): VN056679.D (-1550) (-)

Ion 72.00 (71.70 to 72.70): VN056679.D (-1550) (-)

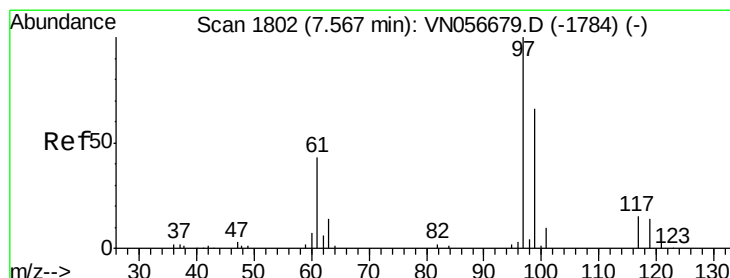
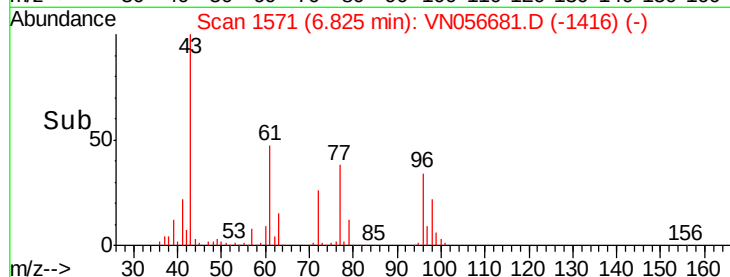
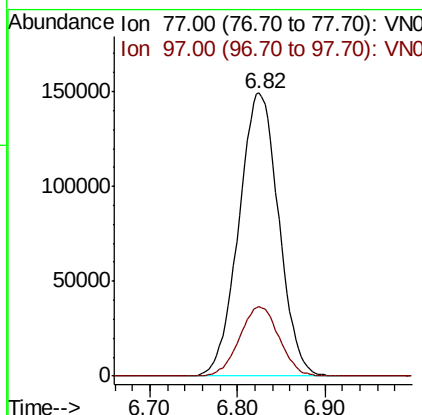
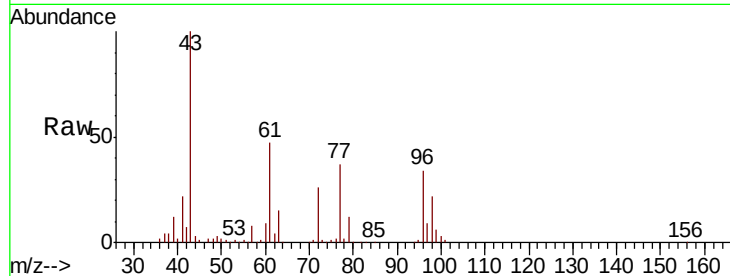




#31
 2,2-Dichloropropane
 Concen: 106.570 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

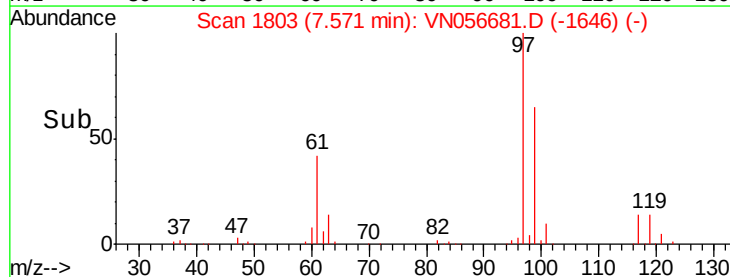
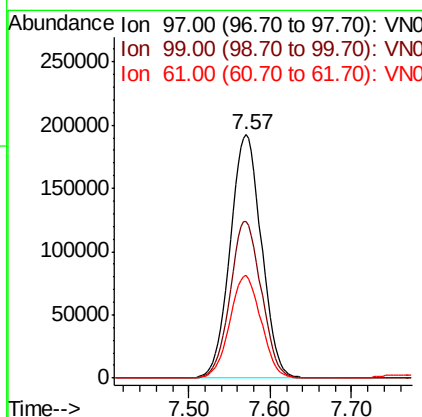
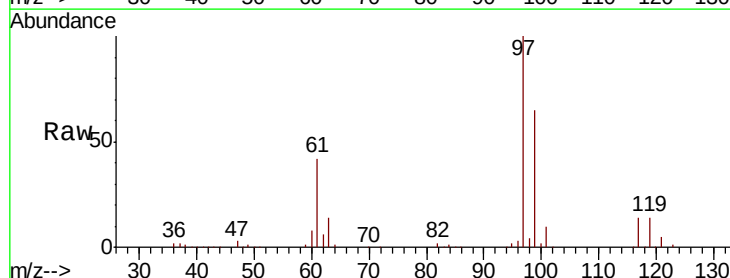
Instrument :
 MSVOA_N
 ClientSampled :

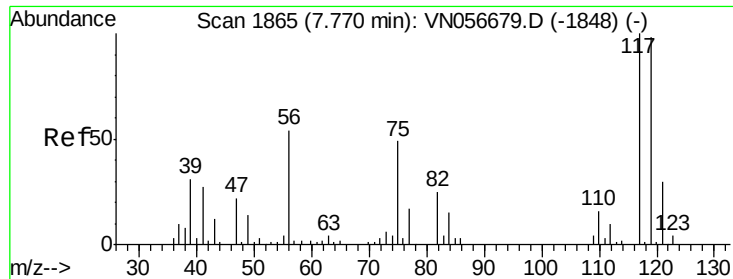
Tot Ion: 77 Resp: 472379
 Ion Ratio Lower Upper
 77 100
 97 24.4 19.7 29.5



#32
 1,1,1-Trichloroethane
 Concen: 105.013 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion: 97 Resp: 514115
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.0 78.0
 61 42.2 34.4 51.6





#33

Carbon Tetrachloride

Concen: 107.322 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampled :

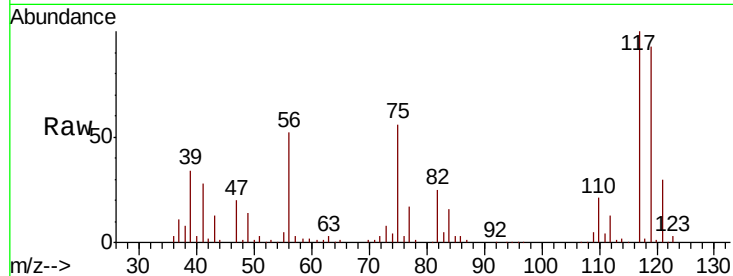
Tot Ion:117 Resp: 448585

Ion Ratio Lower Upper

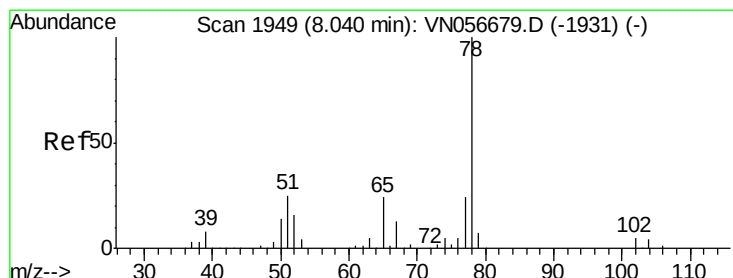
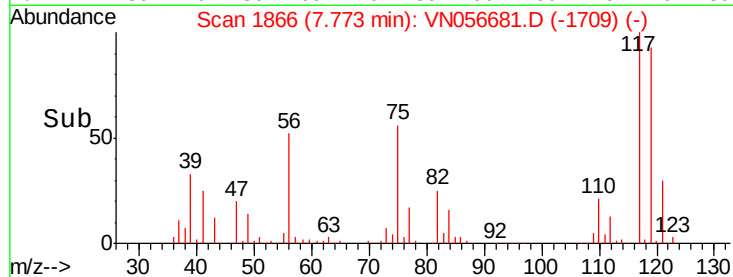
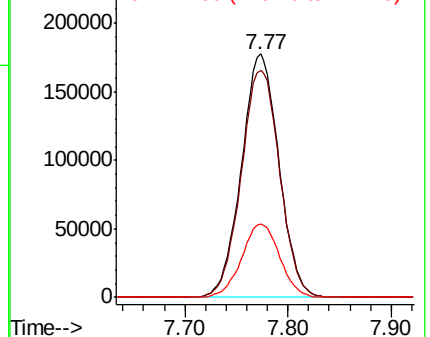
117 100

119 93.1 78.7 118.1

121 29.9 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: 101.235 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

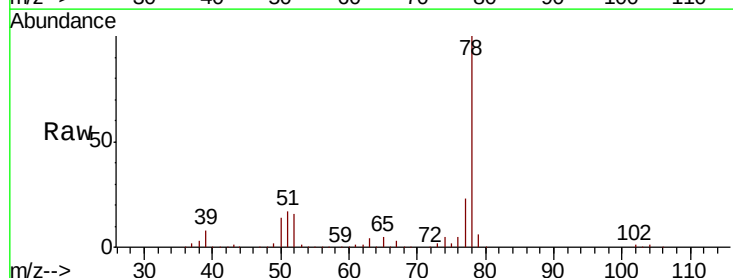
Tgt Ion: 78 Resp: 1452416

Ion Ratio Lower Upper

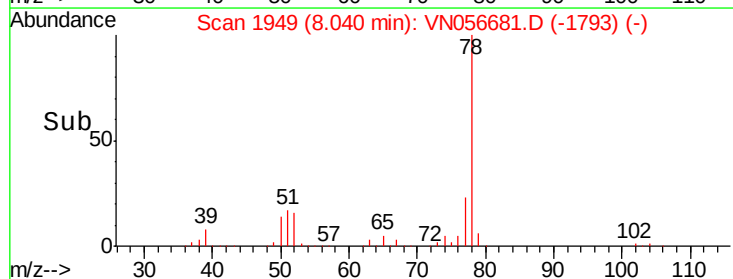
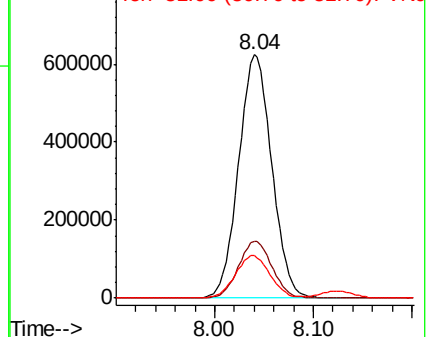
78 100

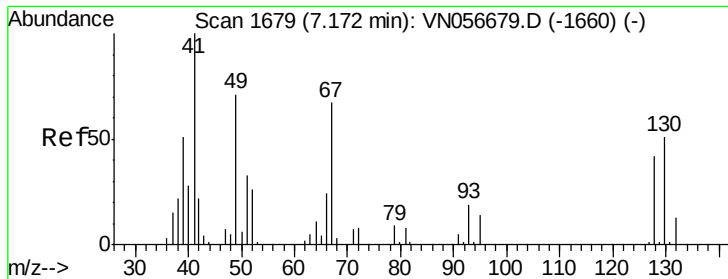
77 23.4 19.0 28.4

51 17.3 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

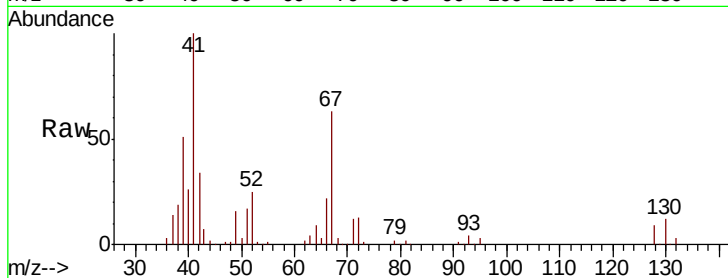




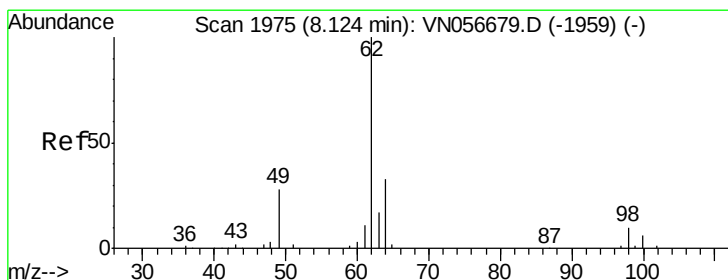
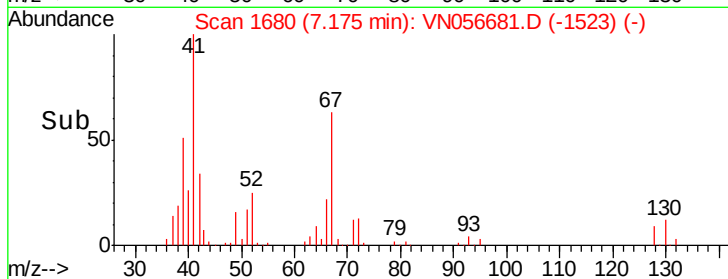
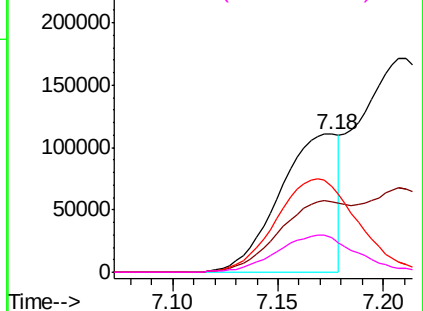
#35
Methacrylonitrile
Concen: 100.534 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 214778
Ion Ratio Lower Upper
41 100
39 51.2 25.4 76.2
67 62.7 33.6 100.8
52 24.5 12.9 38.7

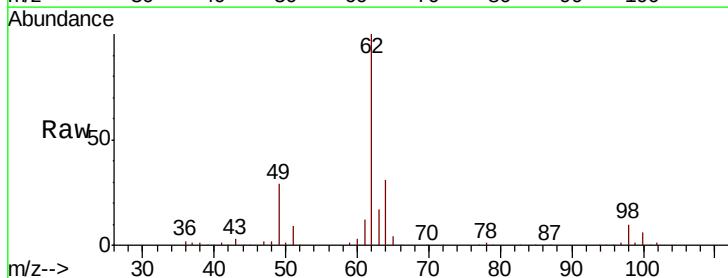


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

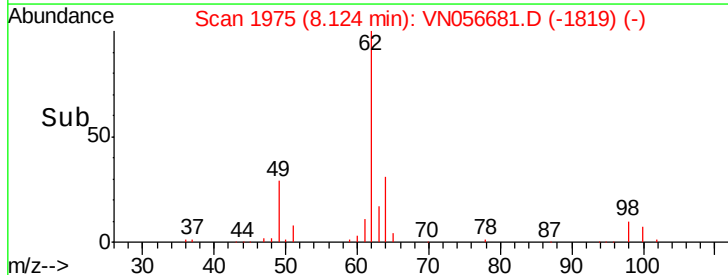
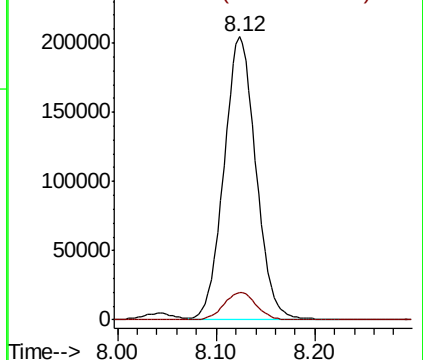


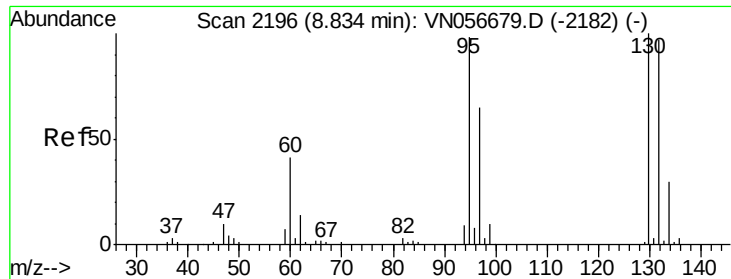
#36
1,2-Dichloroethane
Concen: 99.301 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 62 Resp: 462057
Ion Ratio Lower Upper
62 100
98 9.9 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

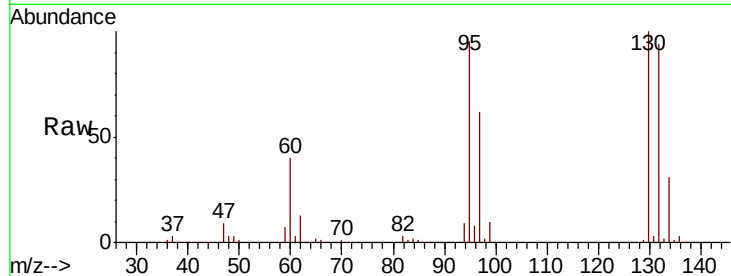




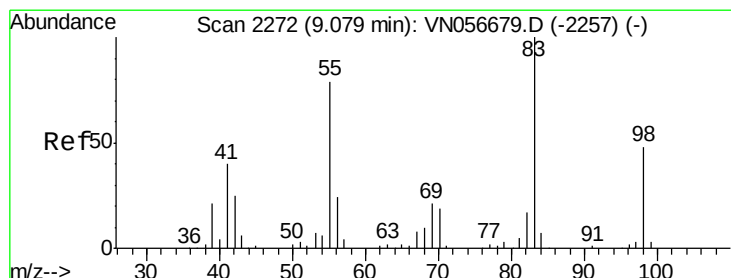
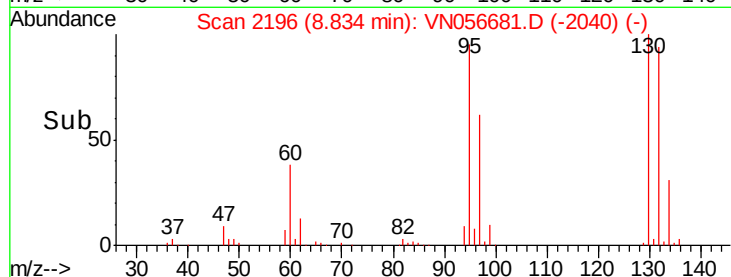
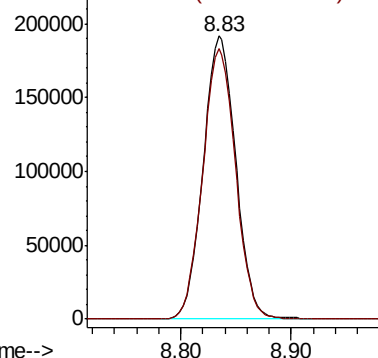
#37
 Trichloroethene
 Concen: 103.762 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:130 Resp: 392212
 Ion Ratio Lower Upper
 130 100
 95 95.5 78.4 117.6

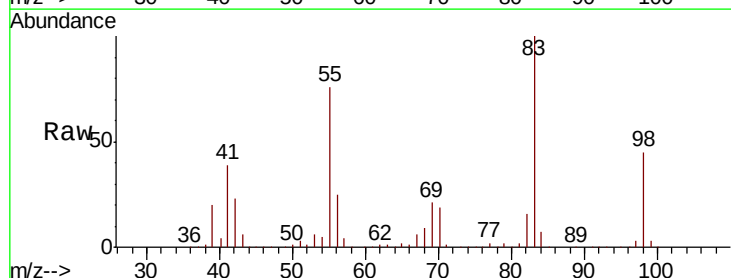


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

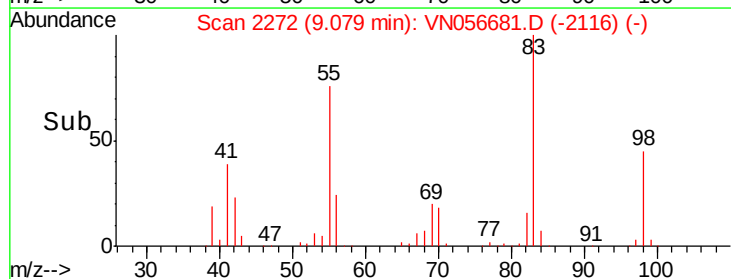
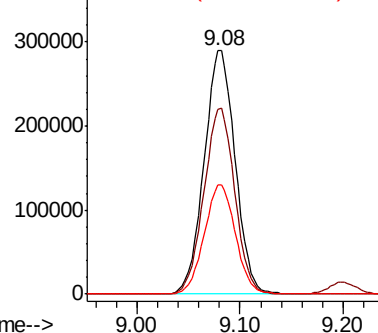


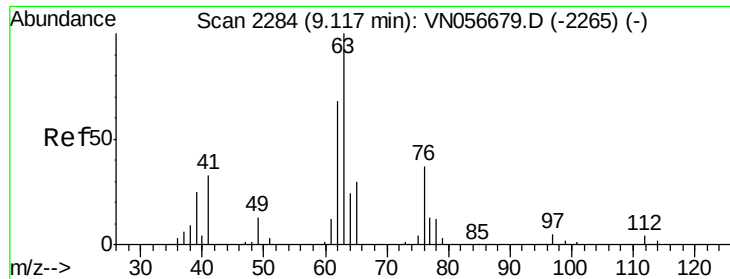
#38
 Methylcyclohexane
 Concen: 104.907 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion: 83 Resp: 607167
 Ion Ratio Lower Upper
 83 100
 55 75.8 38.4 115.2
 98 45.3 23.3 69.9



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN

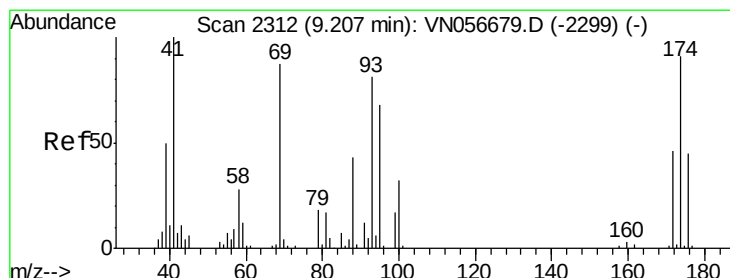
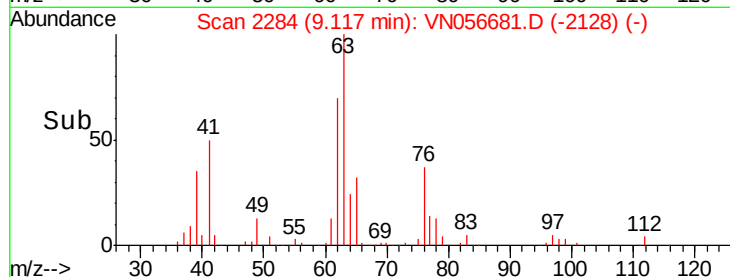
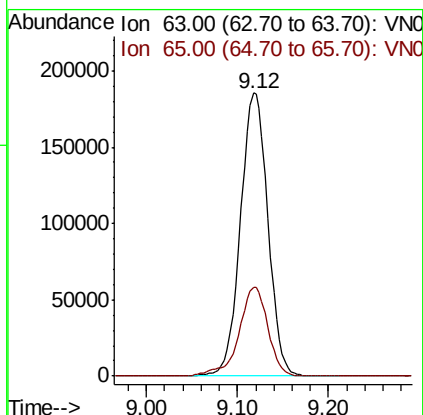
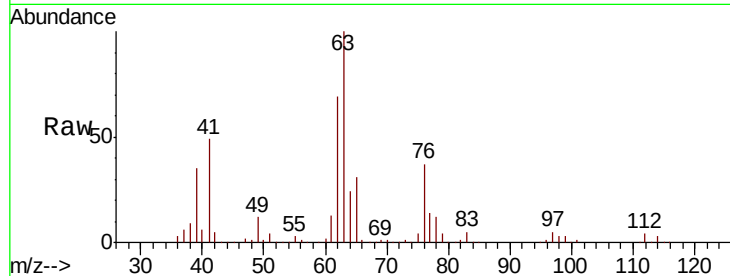




#39
 1,2-Dichloropropane
 Concen: 100.980 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

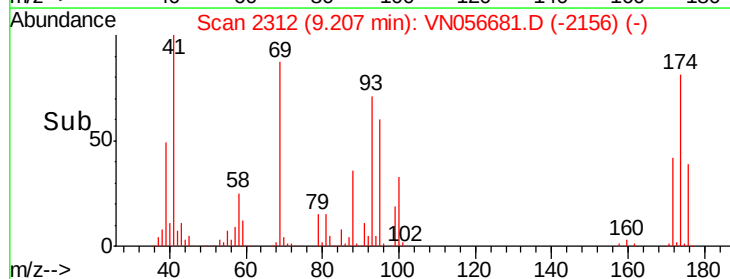
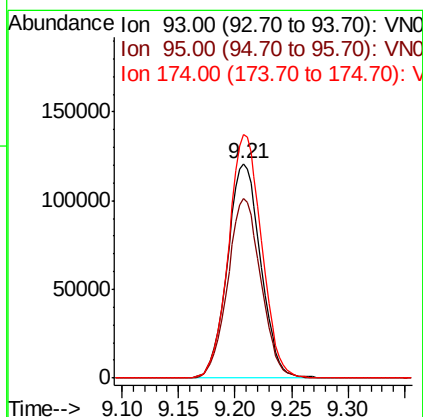
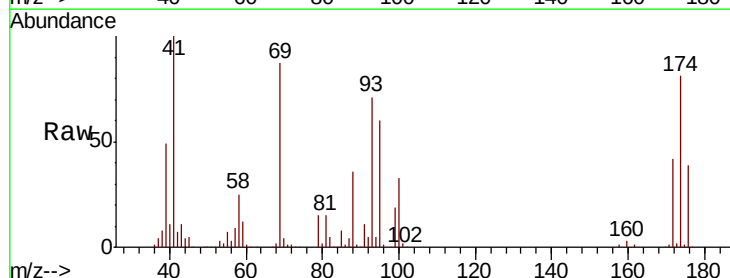
Instrument :
 MSVOA_N
 ClientSampled :

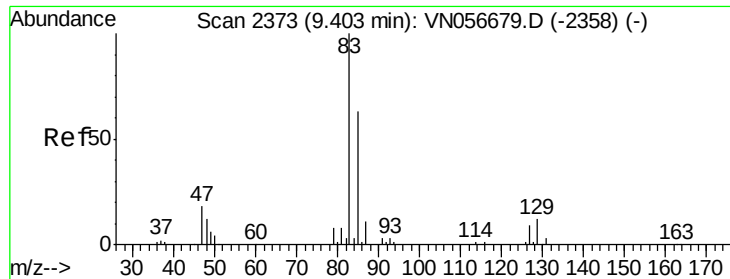
Tot Ion: 63 Resp: 388925
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 36.8



#40
 Dibromomethane
 Concen: 103.581 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion: 93 Resp: 247883
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 167.0
 174 112.9 0.0 224.2





#41

Bromodichloromethane

Concen: 105.563 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

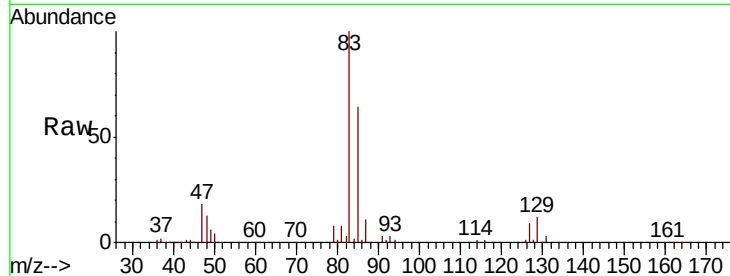
Tot Ion: 83 Resp: 469804

Ion Ratio Lower Upper

83 100

85 64.4 50.1 75.1

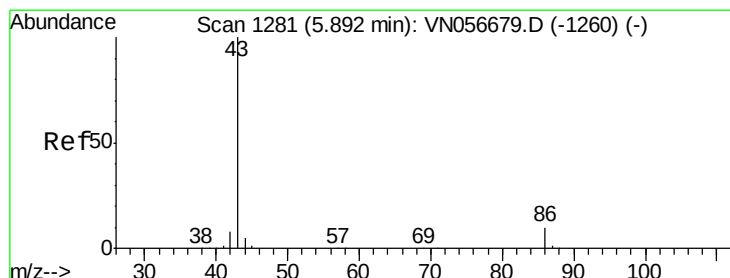
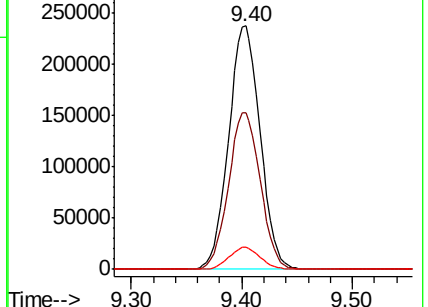
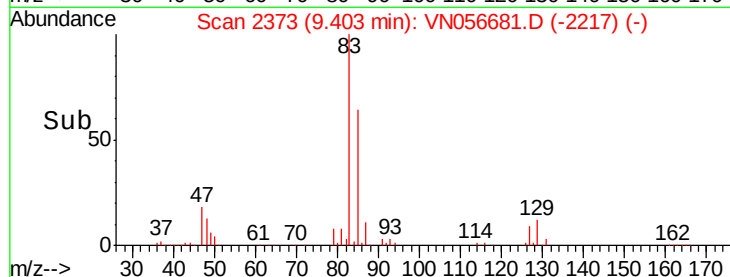
127 9.2 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN056681.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN056681.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN056681.D (-2217) (-)



#42

Vinyl Acetate

Concen: 522.890 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN056681.D

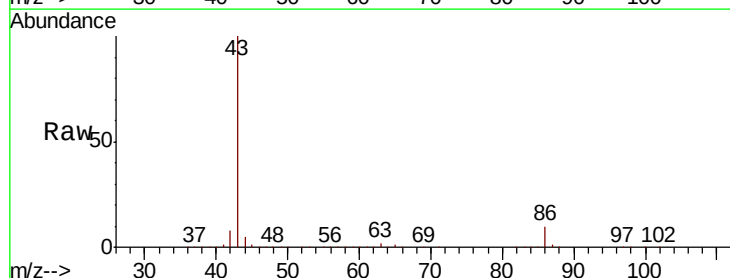
Acq: 12 Jul 2019 11:22

Tgt Ion: 43 Resp: 4729592

Ion Ratio Lower Upper

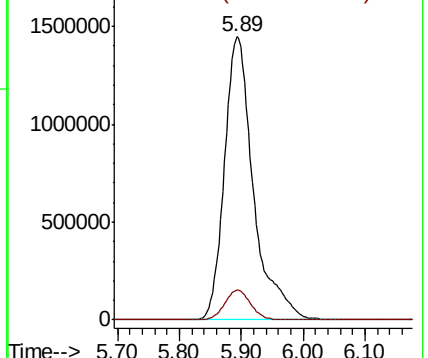
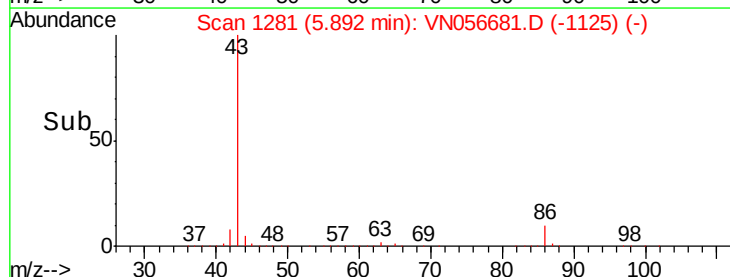
43 100

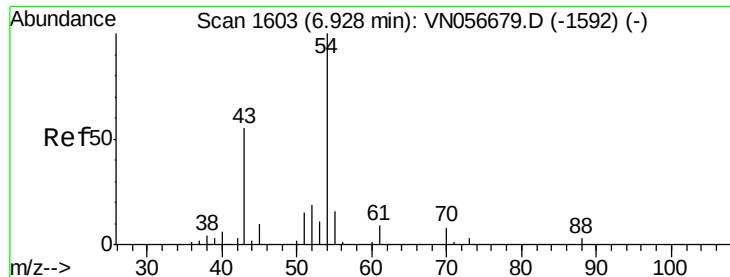
86 9.4 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN056681.D (-1125) (-)

Ion 86.00 (85.70 to 86.70): VN056681.D (-1125) (-)

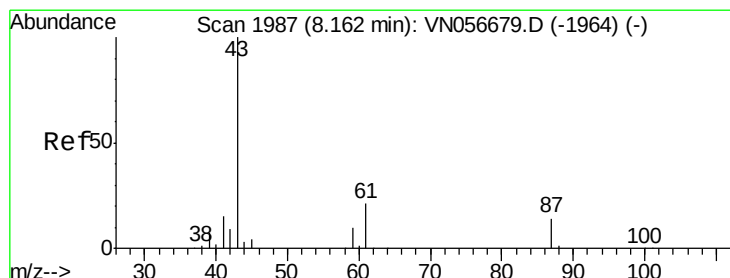
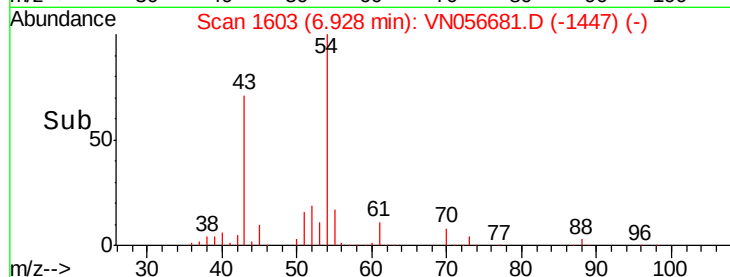
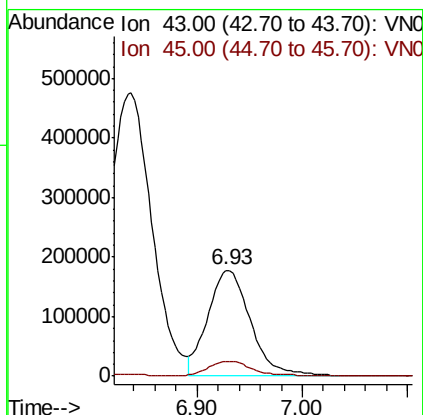
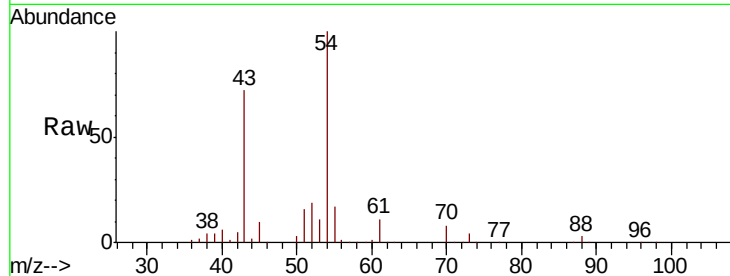




#43
Ethyl Acetate
Concen: 99.876 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

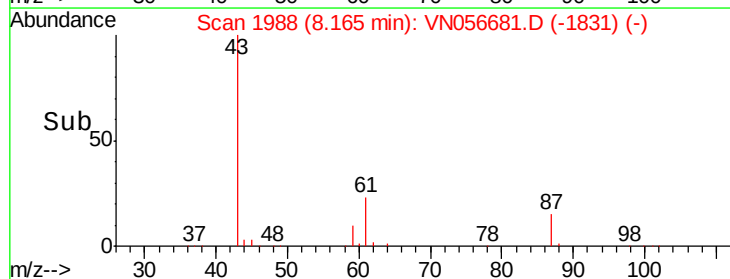
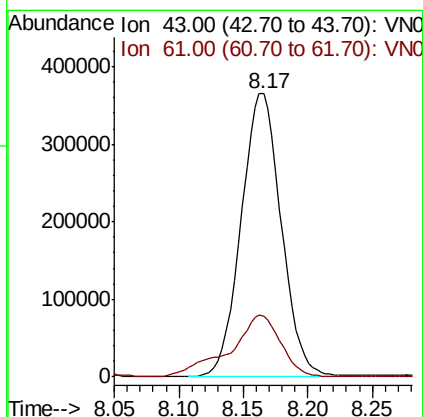
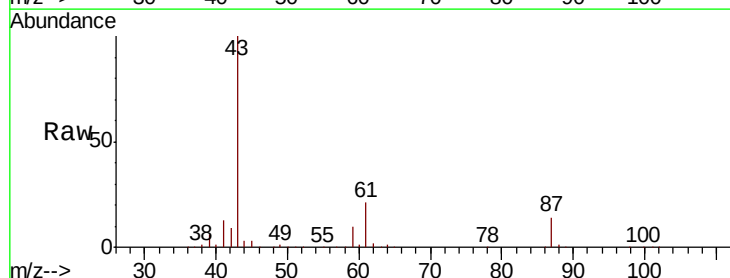
Instrument :
MSVOA_N
ClientSampled :

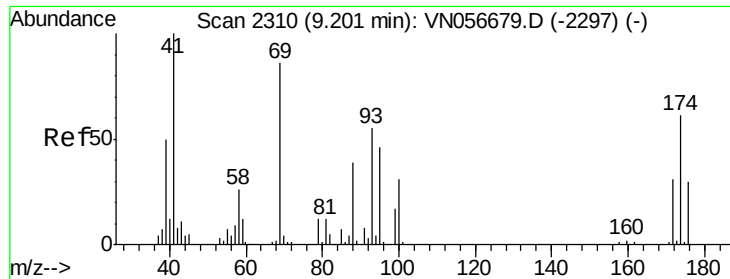
Tot Ion: 43 Resp: 489689
Ion Ratio Lower Upper
43 100
45 15.3 11.2 16.8



#44
Isopropyl Acetate
Concen: 103.419 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 43 Resp: 788549
Ion Ratio Lower Upper
43 100
61 27.5 22.6 33.8

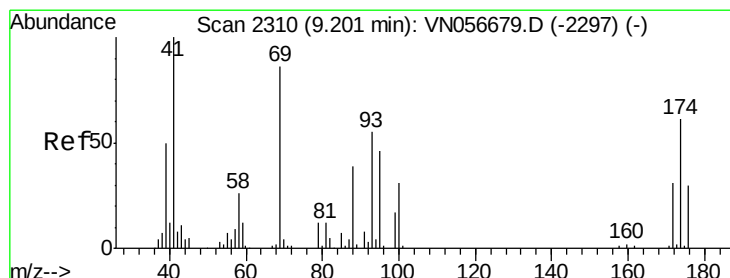
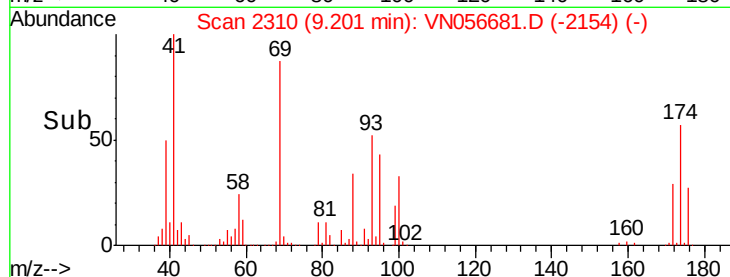
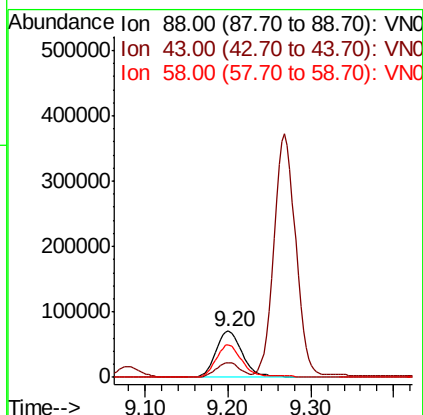
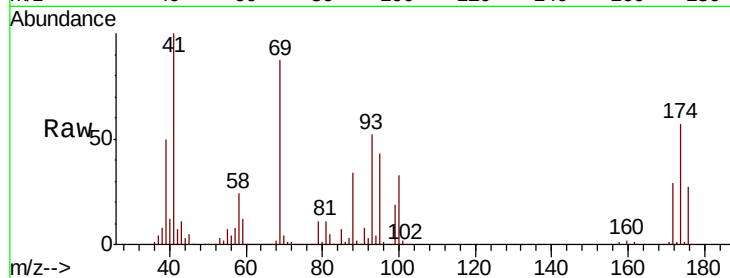




#45
 1,4-Dioxane
 Concen: 2101.762 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

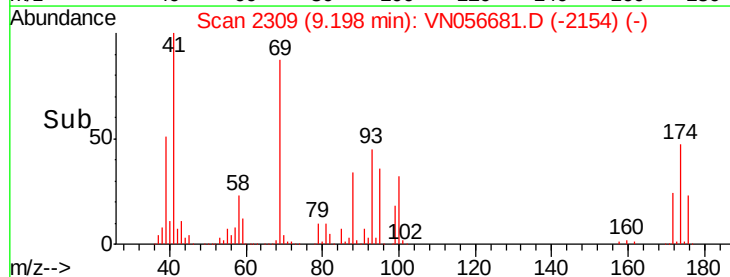
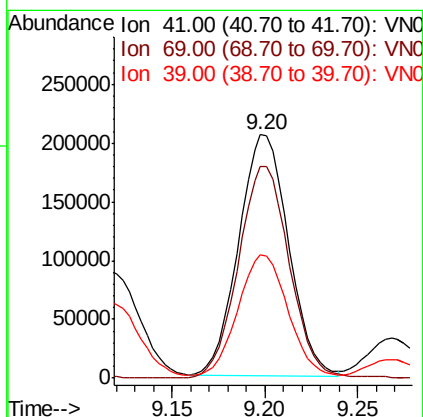
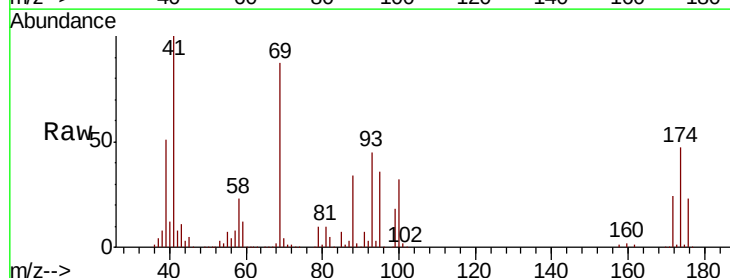
Instrument :
 MSVOA_N
 ClientSampled :

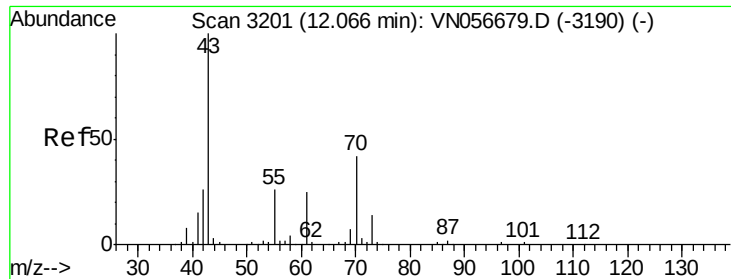
Tot Ion	88	Resp	159176
Ion	Ratio	Lower	Upper
88	100		
43	27.8	23.0	34.6
58	67.3	54.6	81.8



#46
 Methyl methacrylate
 Concen: 102.150 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	41	Resp	383320
Ion	Ratio	Lower	Upper
41	100		
69	87.9	43.0	129.0
39	50.5	25.1	75.4





#47

n-amvl Acetate

Concen: 108.201 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

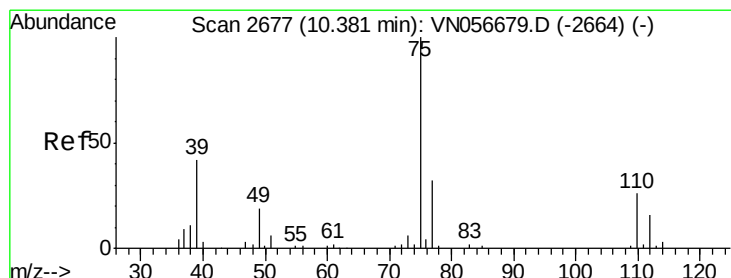
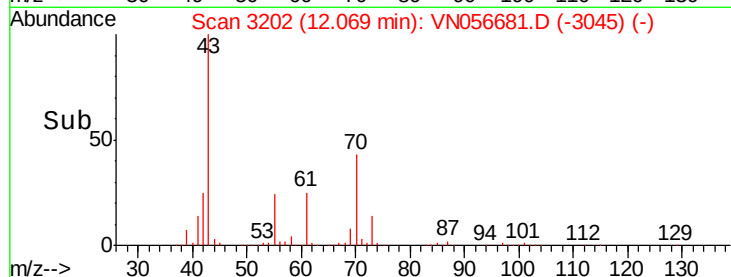
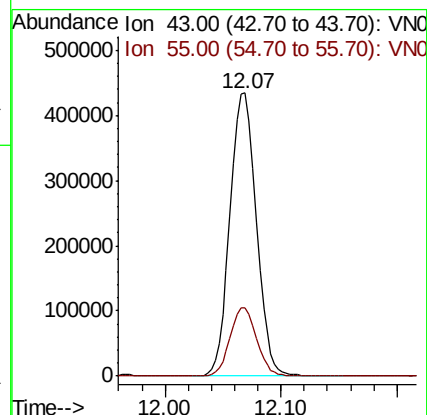
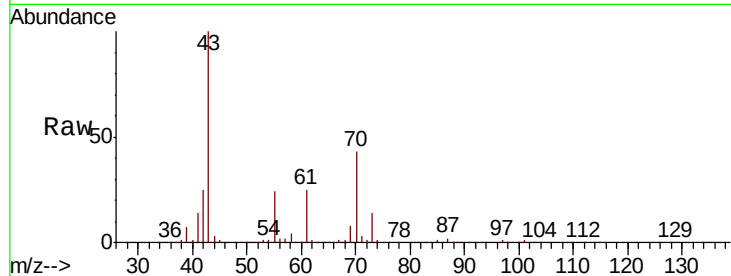
ClientSampleId :

Tot Ion: 43 Resp: 683536

Ion Ratio Lower Upper

43 100

55 24.4 20.7 31.1



#48

t-1,3-Dichloropropene

Concen: 111.962 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056681.D

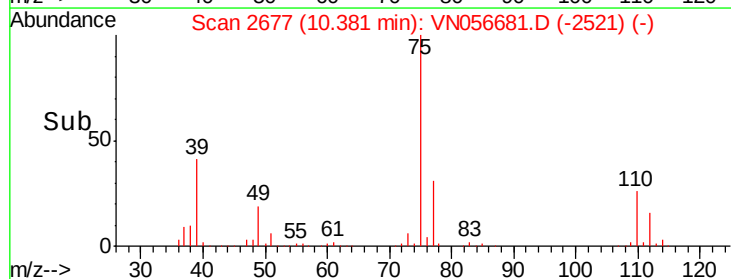
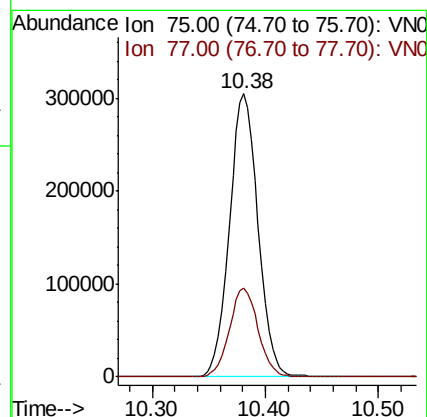
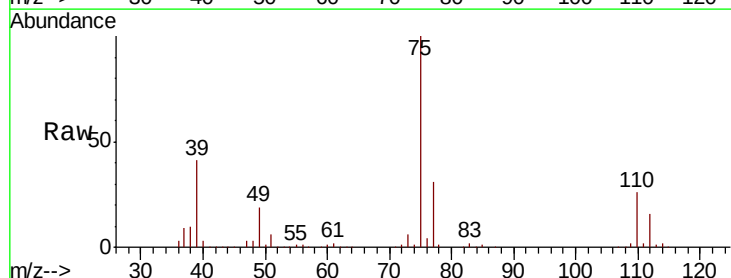
Acq: 12 Jul 2019 11:22

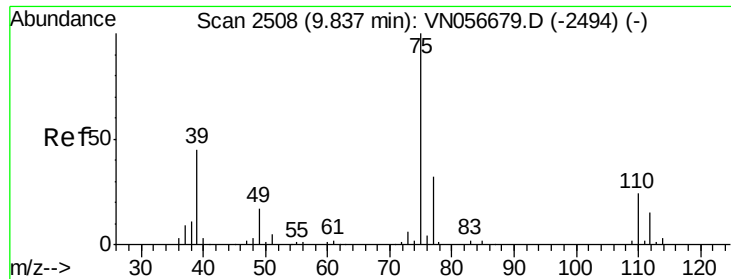
Tgt Ion: 75 Resp: 535136

Ion Ratio Lower Upper

75 100

77 31.1 25.7 38.5



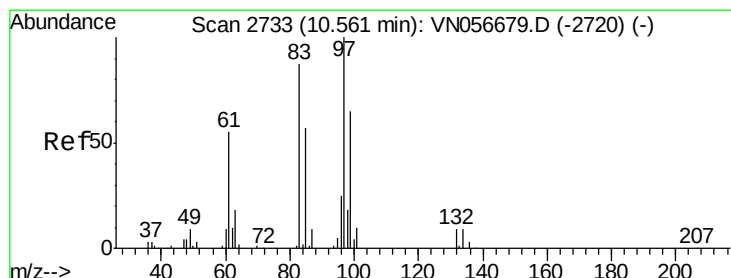
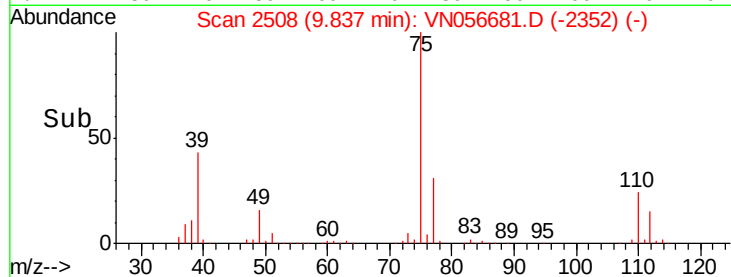
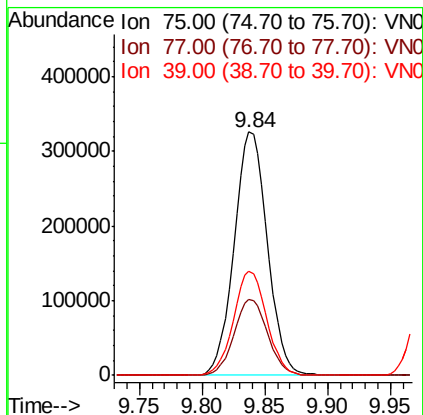
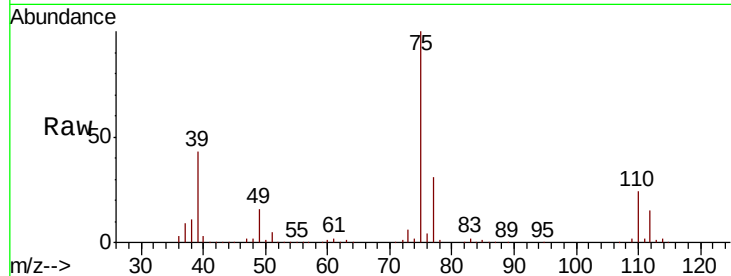


#49

cis-1,3-Dichloropropene
 Concen: 108.905 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :

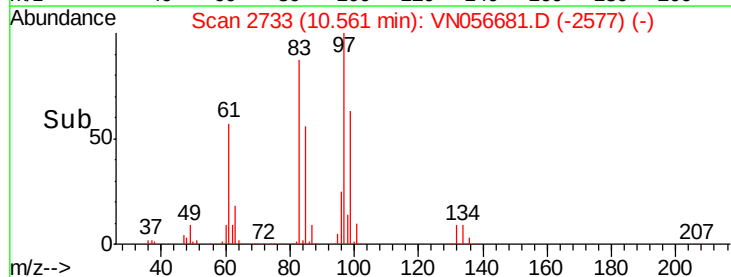
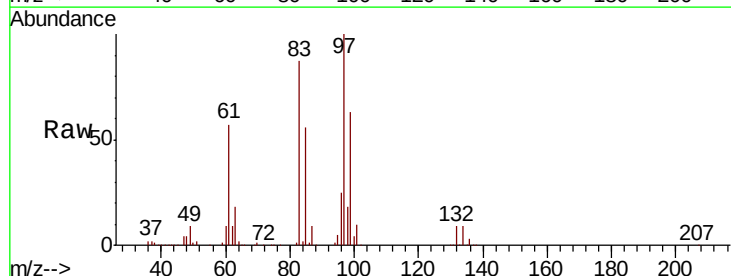
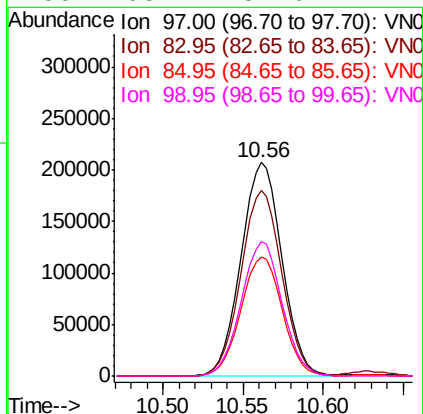
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.0	39.0
39	42.7	36.2	54.4

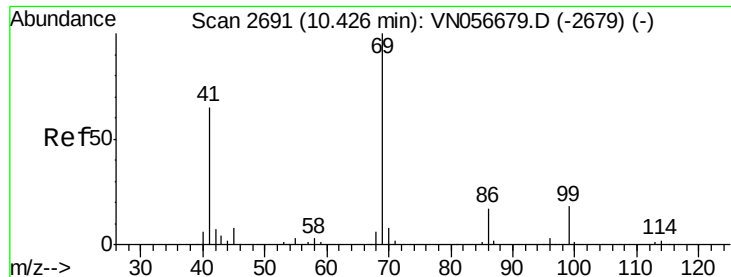


#50

1,1,2-Trichloroethane
 Concen: 102.942 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.2	103.8
85	56.0	45.3	67.9
99	63.2	51.6	77.4

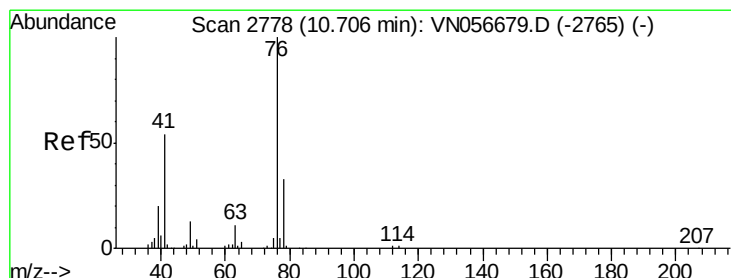
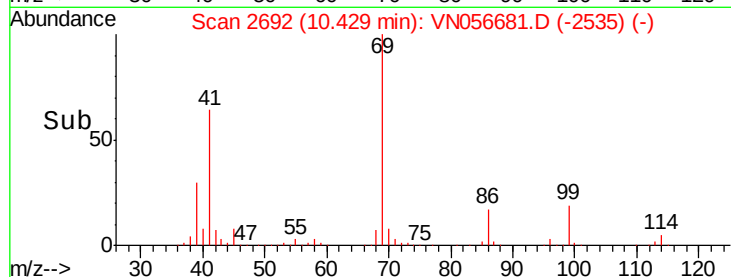
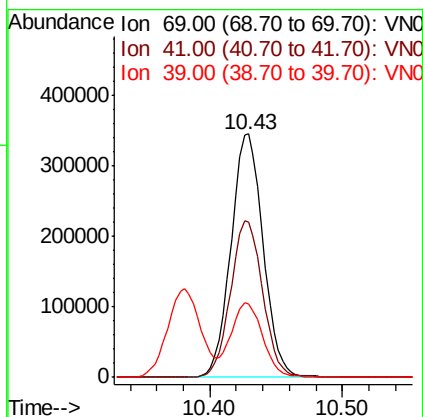
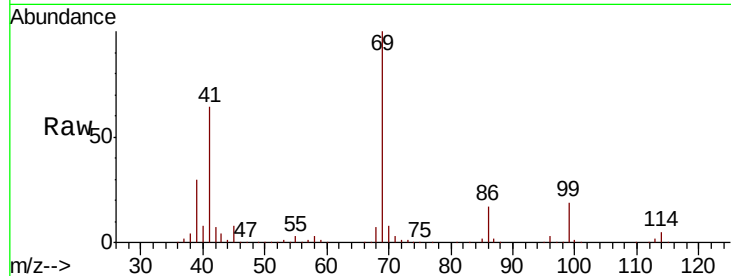




#51
Ethyl methacrylate
Concen: 105.952 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

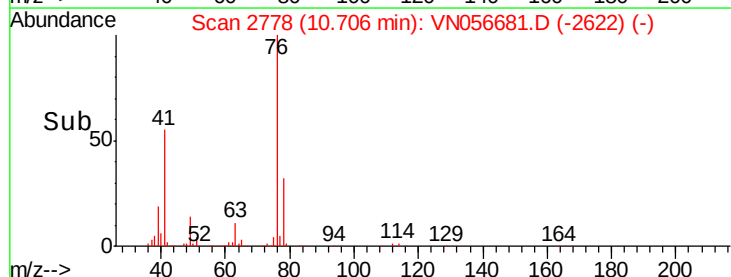
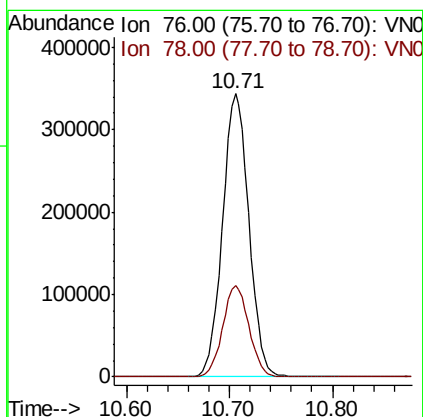
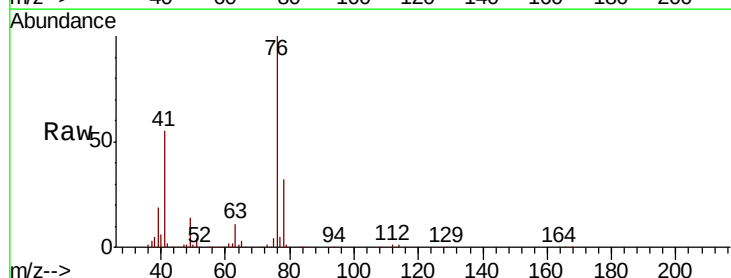
Instrument :
MSVOA_N
ClientSampleId :

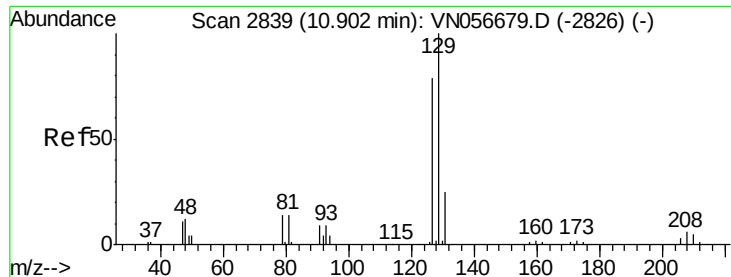
Tot Ion: 69 Resp: 582128
Ion Ratio Lower Upper
69 100
41 63.6 32.8 98.3
39 30.0 15.4 46.2



#52
1,3-Dichloropropane
Concen: 101.961 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 76 Resp: 611066
Ion Ratio Lower Upper
76 100
78 32.2 0.0 63.6





#53

Dibromochloromethane

Concen: 111.798 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

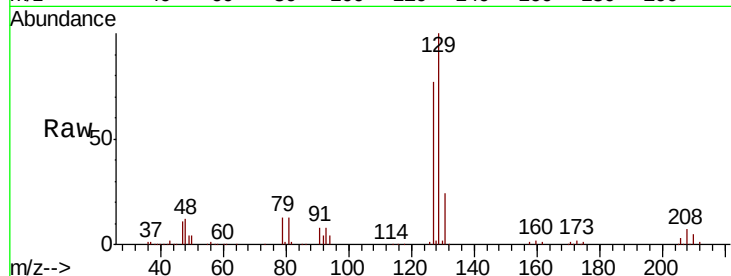
ClientSampled :

Tot Ion:129 Resp: 387620

Ion Ratio Lower Upper

129 100

127 76.8 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

250000

200000

150000

100000

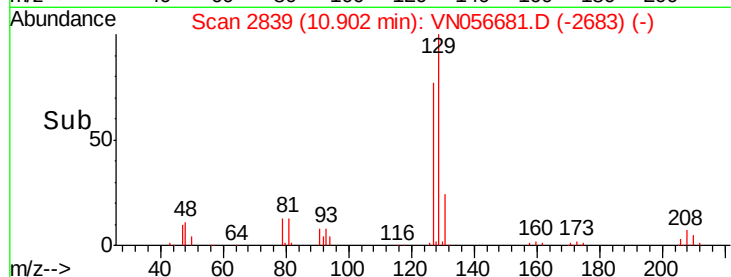
50000

0

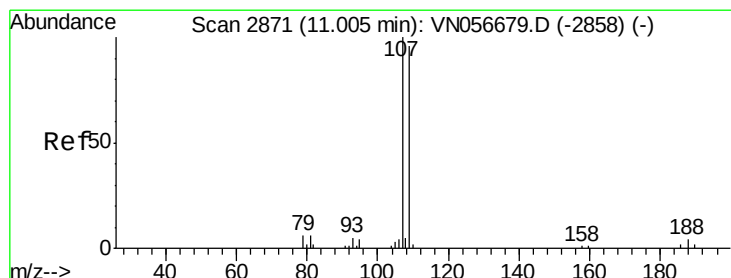
10.80

10.90

11.00



Time-->



#54

1,2-Dibromoethane

Concen: 104.644 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056681.D

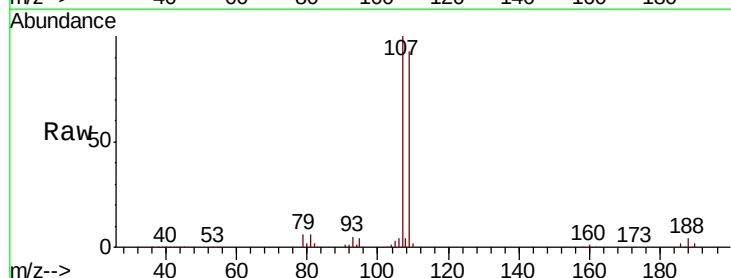
Acq: 12 Jul 2019 11:22

Tgt Ion:107 Resp: 383584

Ion Ratio Lower Upper

107 100

109 95.5 77.9 116.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

250000

200000

150000

100000

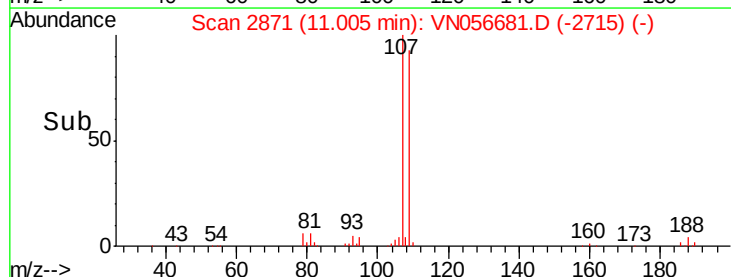
50000

0

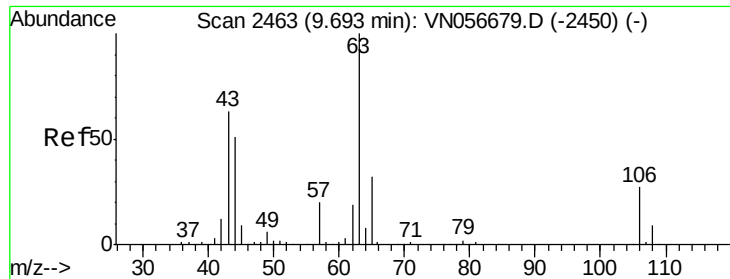
10.90

11.00

11.10



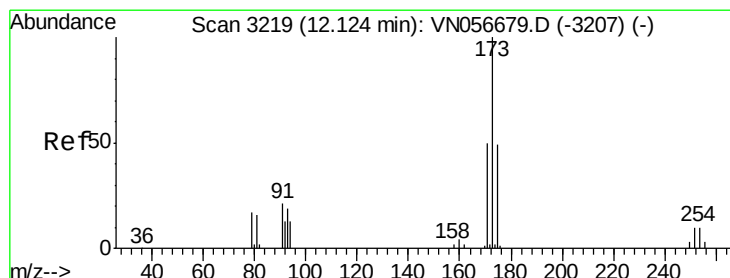
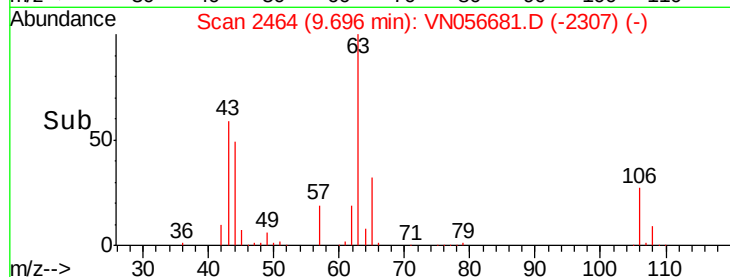
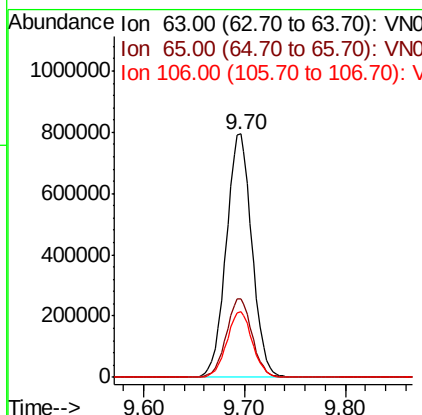
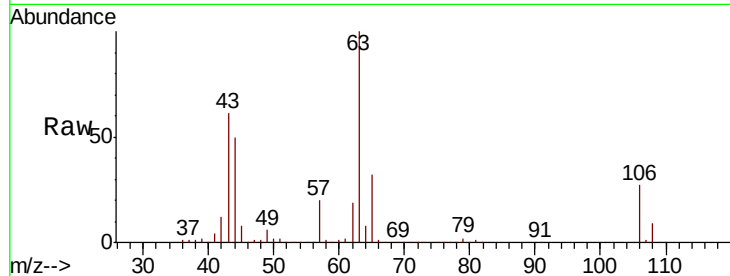
Time-->



#55
2-Chloroethyl vinyl ether
Concen: 509.911 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

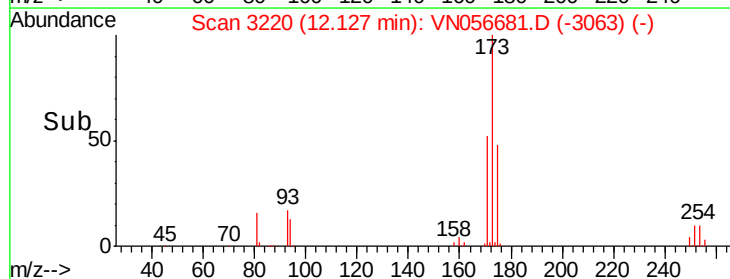
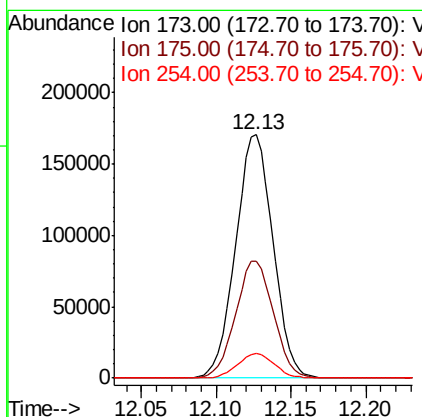
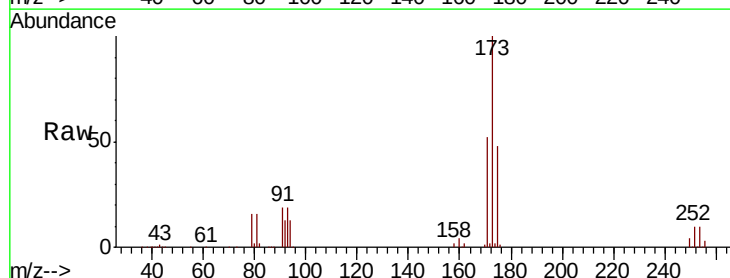
Instrument :
MSVOA_N
ClientSampleId :

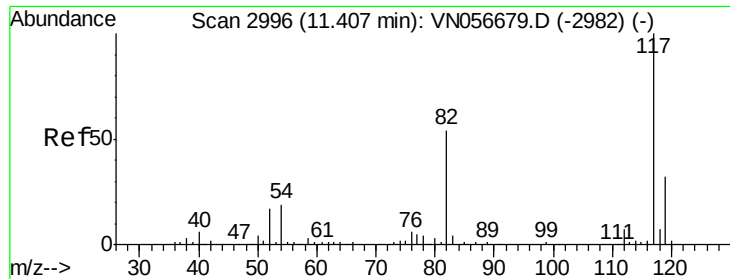
Tot Ion: 63 Resp: 1414960
Ion Ratio Lower Upper
63 100
65 32.2 25.2 37.8
106 26.8 21.6 32.4



#56
Bromoform
Concen: 116.972 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 173 Resp: 296945
Ion Ratio Lower Upper
173 100
175 48.6 39.7 59.5
254 9.9 7.8 11.8

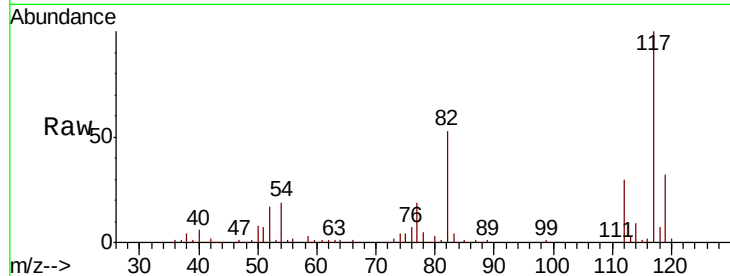




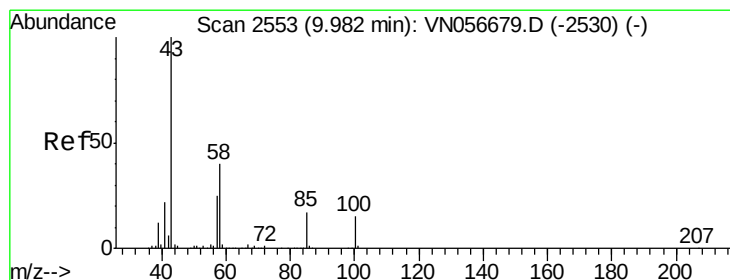
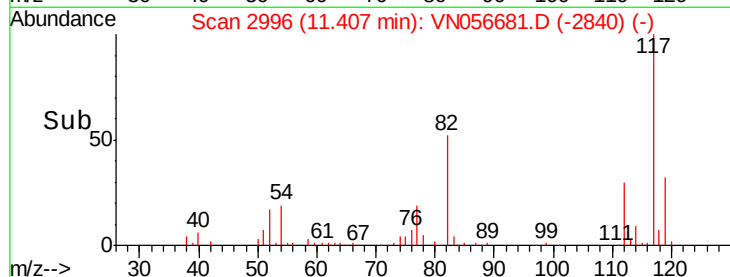
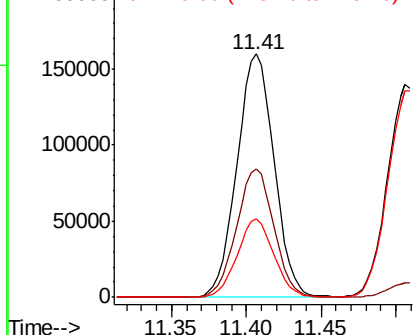
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 277326
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 31.7 26.0 39.0

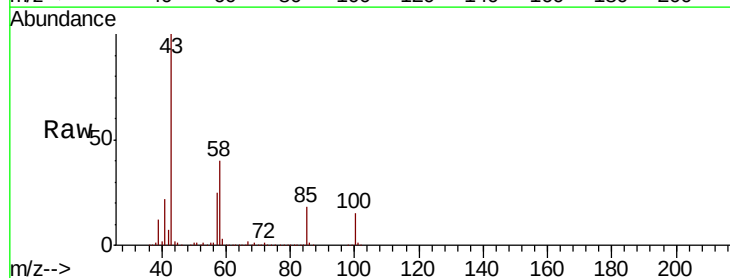


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

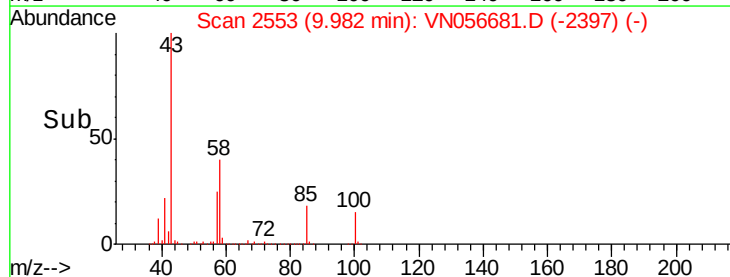
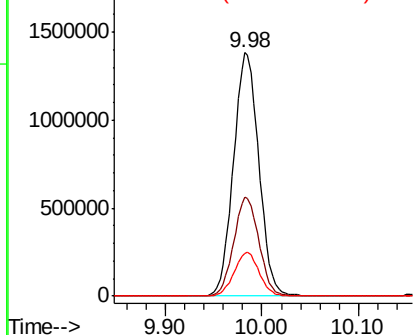


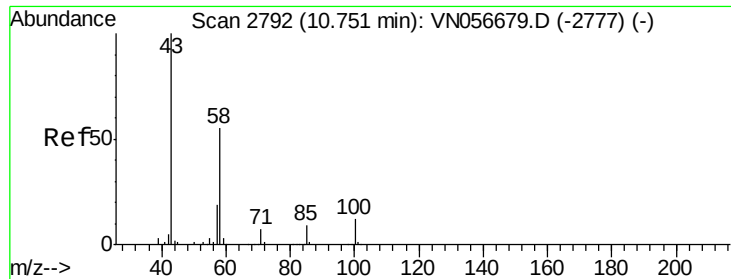
#58
4-Methyl-2-Pentanone
Concen: 496.805 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 43 Resp: 2515283
Ion Ratio Lower Upper
43 100
58 40.4 31.9 47.9
85 17.8 14.2 21.4



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

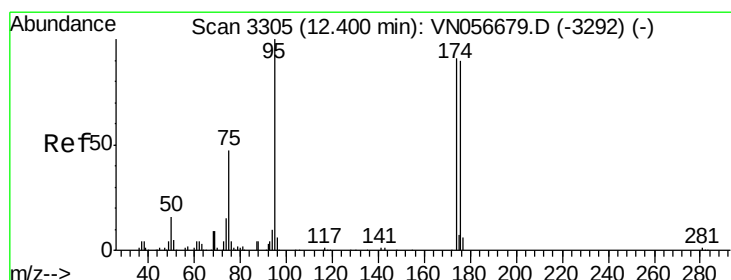
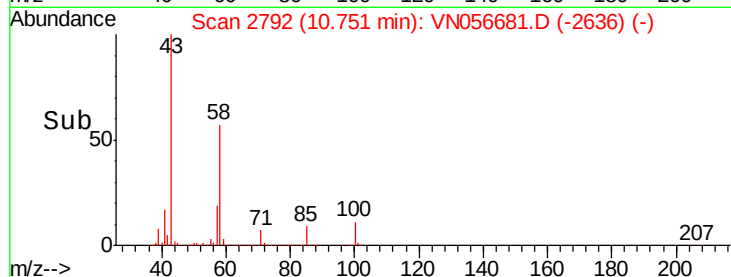
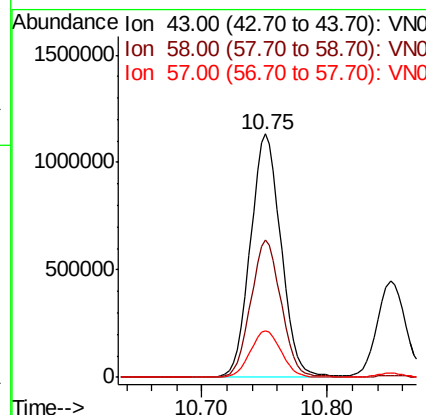
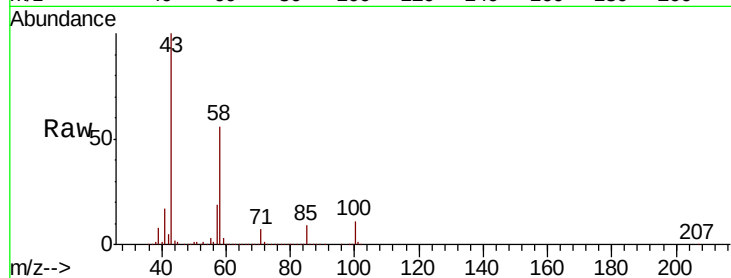




#59
2-Hexanone
Concen: 504.179 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

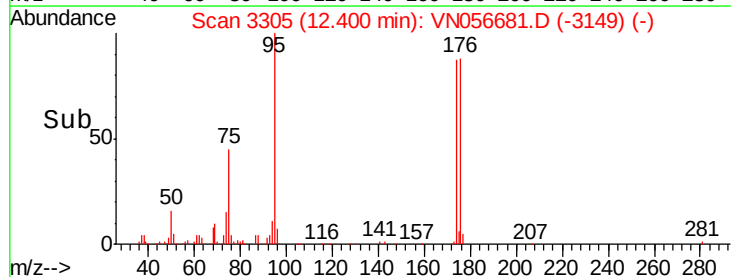
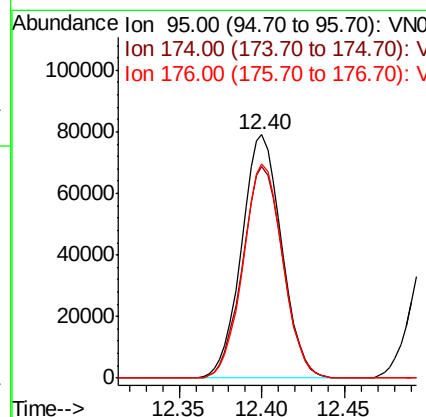
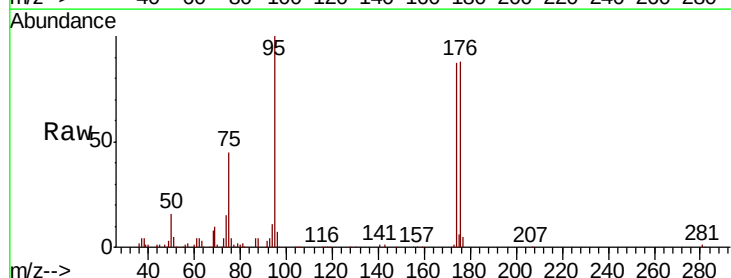
Instrument :
MSVOA_N
ClientSampled :

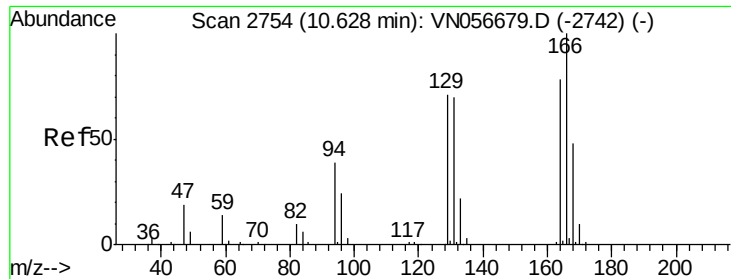
Tot Ion: 43 Resp: 1920057
Ion Ratio Lower Upper
43 100
58 56.3 44.4 66.6
57 19.4 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 31.043 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 95 Resp: 132824
Ion Ratio Lower Upper
95 100
174 87.7 72.6 108.8
176 87.0 71.0 106.6





#61

Tetrachloroethene

Concen: 102.109 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 369733

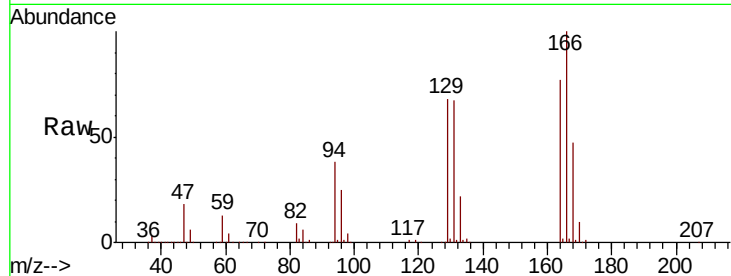
Ion Ratio Lower Upper

164 100

166 129.5 102.3 153.5

129 88.4 72.6 108.8

131 86.6 71.4 107.2

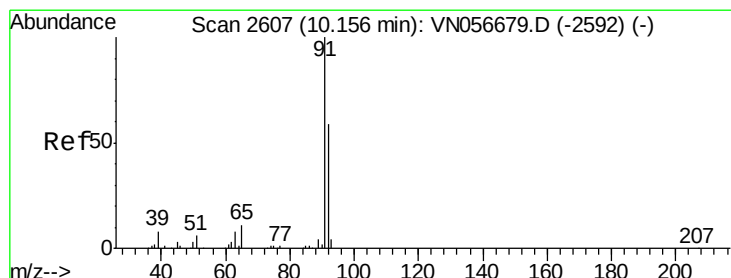
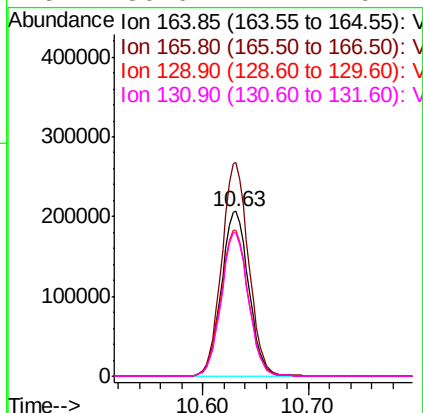
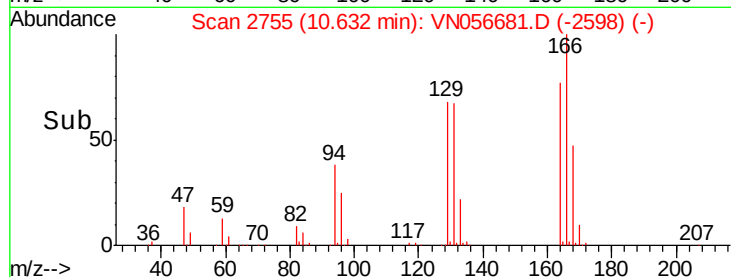


Abundance Ion 163.85 (163.55 to 164.55): V

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: 99.385 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056681.D

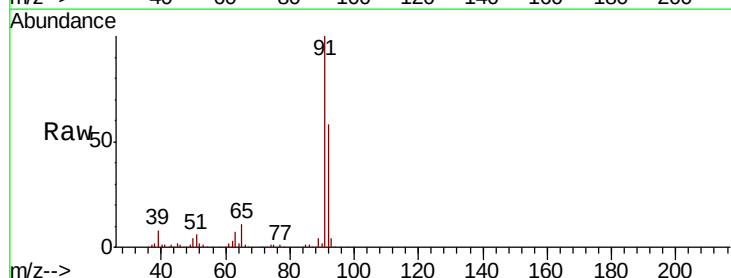
Acq: 12 Jul 2019 11:22

Tgt Ion: 91 Resp: 1568018

Ion Ratio Lower Upper

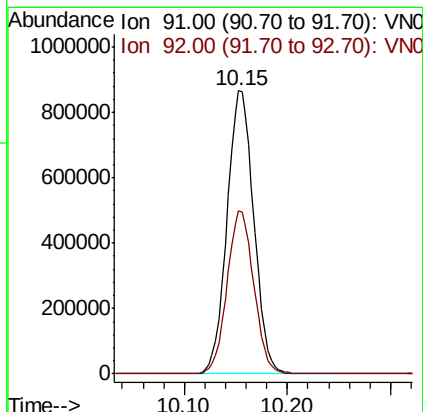
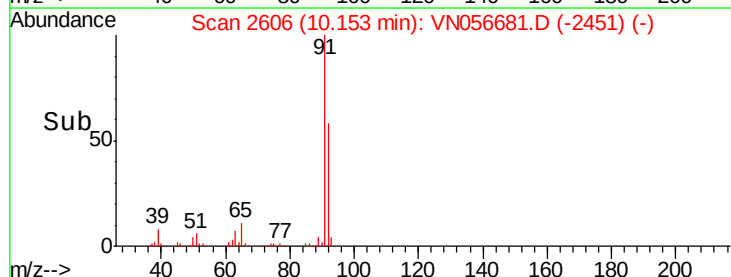
91 100

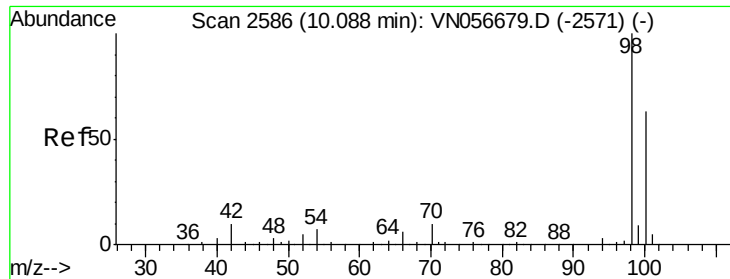
92 57.4 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 28.855 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

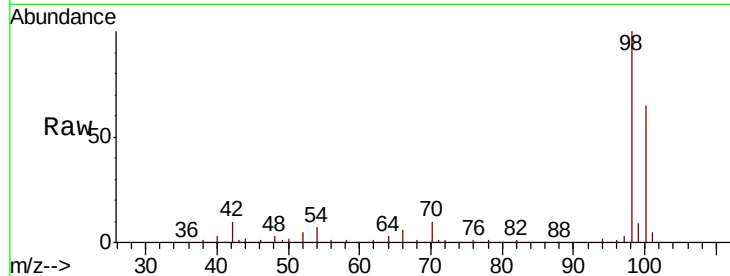
ClientSampleId :

Tot Ion: 98 Resp: 371081

Ion Ratio Lower Upper

98 100

100 65.7 51.1 76.7



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

Ion 100.00 (99.70 to 100.70): VN056681.D (-2430) (-)

250000

200000

150000

100000

50000

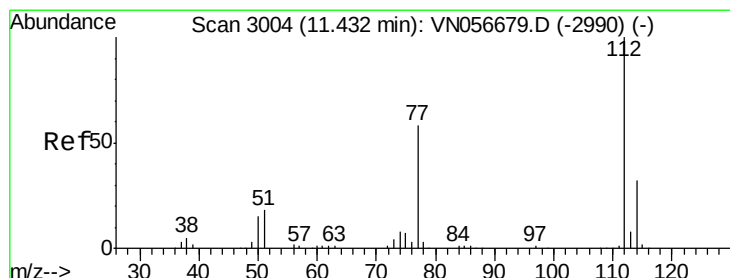
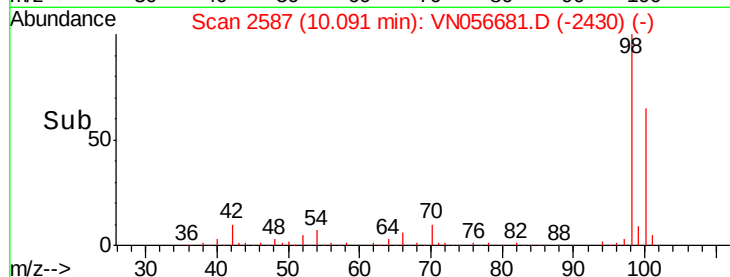
0

10.00

10.10

10.20

Time-->



#64

Chlorobenzene

Concen: 101.436 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056681.D

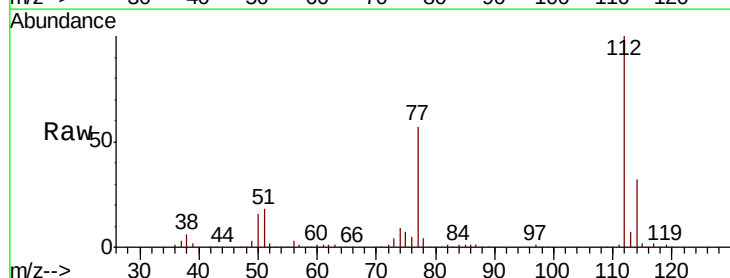
Acq: 12 Jul 2019 11:22

Tgt Ion: 112 Resp: 965401

Ion Ratio Lower Upper

112 100

114 31.7 25.3 37.9



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

Ion 114.00 (113.70 to 114.70): VN056681.D (-2848) (-)

600000

500000

400000

300000

200000

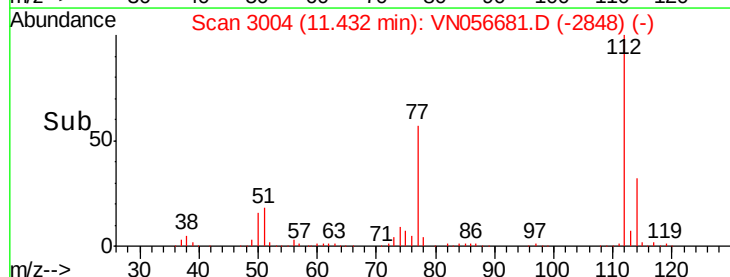
100000

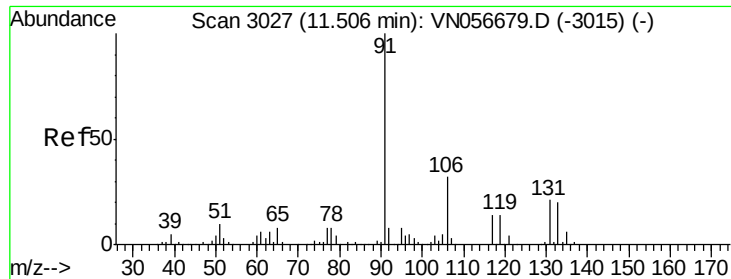
0

11.40

11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 103.480 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

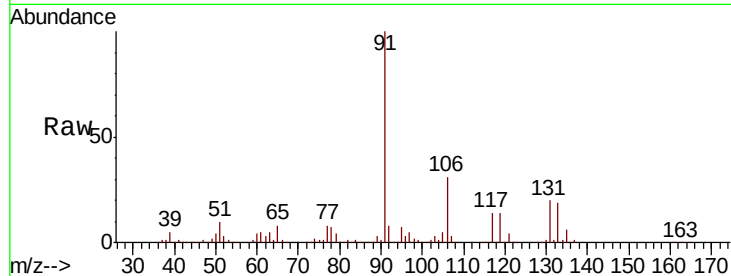
Tot Ion:131 Resp: 357346

Ion Ratio Lower Upper

131 100

133 95.4 0.0 191.4

119 66.9 0.0 133.4

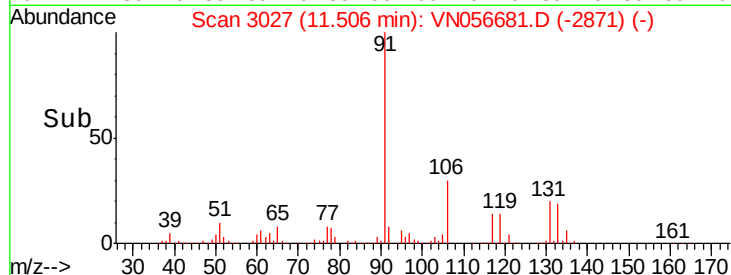


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

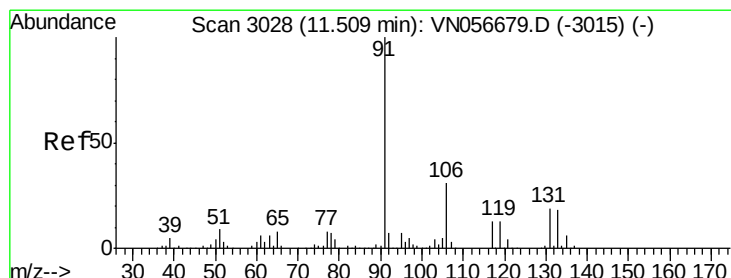
Ion 119.00 (118.70 to 119.70): V

Time-->



Abundance

Time-->



#66

Ethyl Benzene

Concen: 101.329 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056681.D

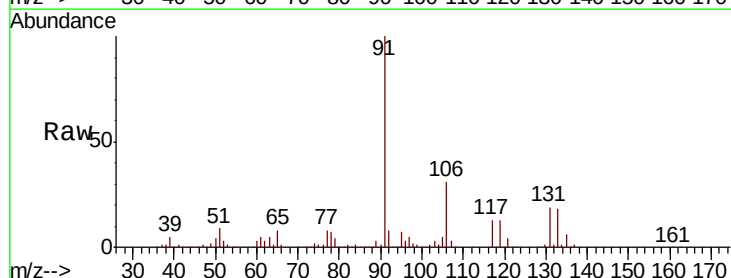
Acq: 12 Jul 2019 11:22

Tgt Ion: 91 Resp: 1735271

Ion Ratio Lower Upper

91 100

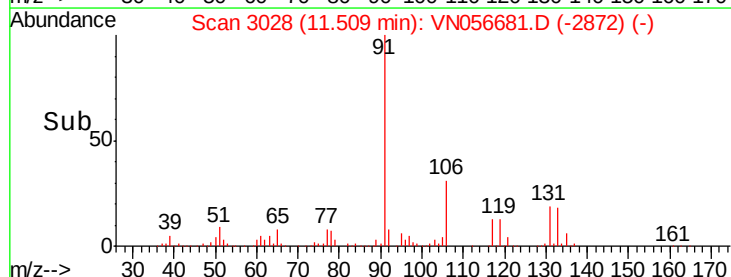
106 31.2 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V

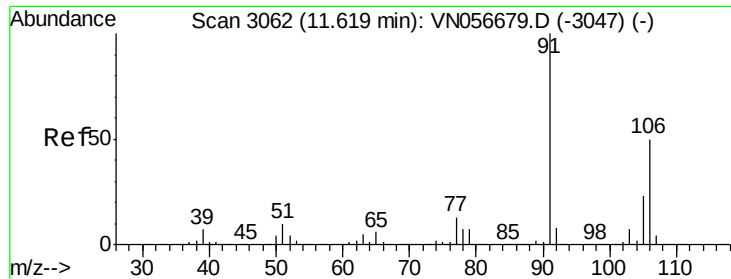
Ion 106.00 (105.70 to 106.70): V

Time-->



Abundance

Time-->



#67

m/p-Xylenes

Concen: 206.164 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

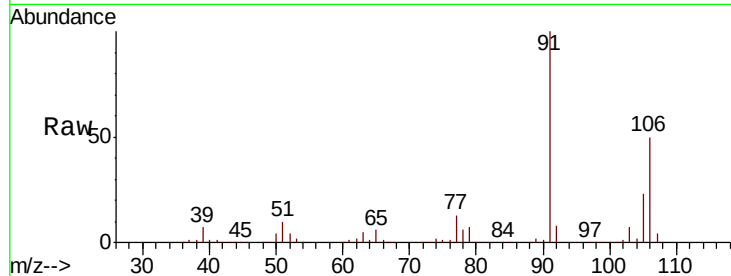
ClientSampled :

Tot Ion:106 Resp: 1310775

Ion Ratio Lower Upper

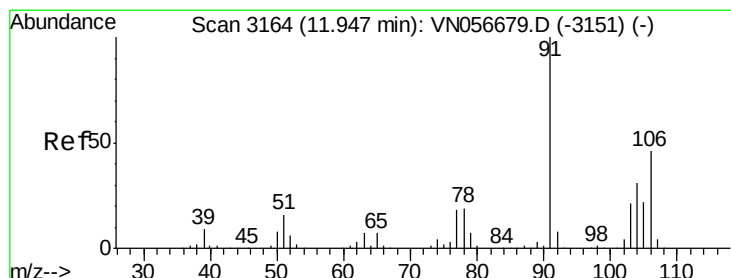
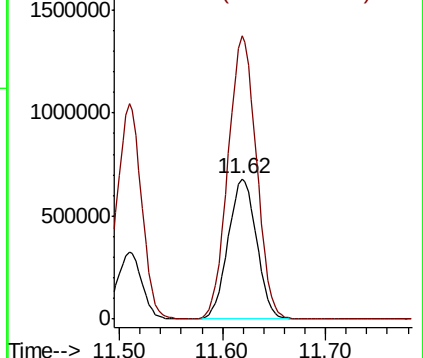
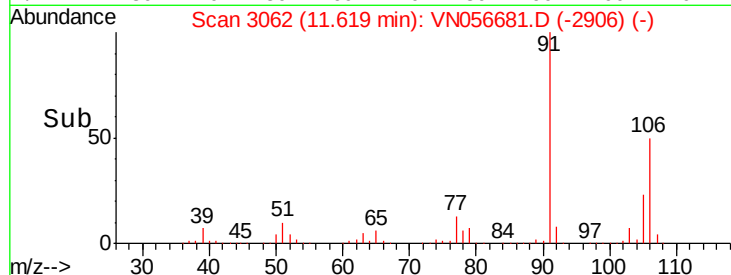
106 100

91 201.2 161.8 242.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 101.317 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN056681.D

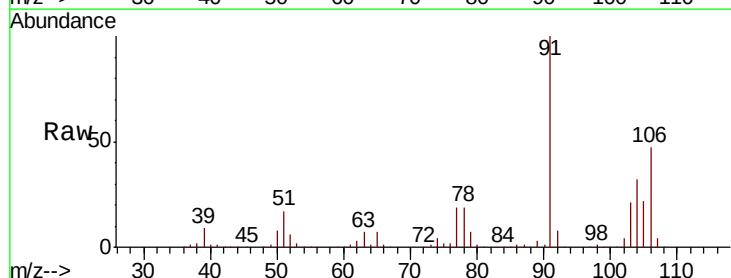
Acq: 12 Jul 2019 11:22

Tgt Ion:106 Resp: 632032

Ion Ratio Lower Upper

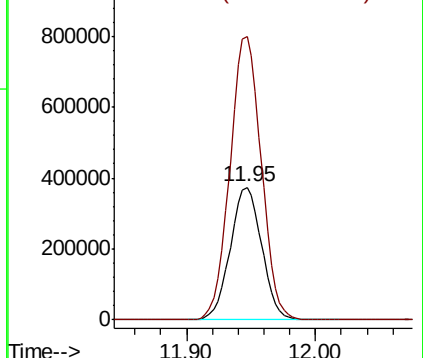
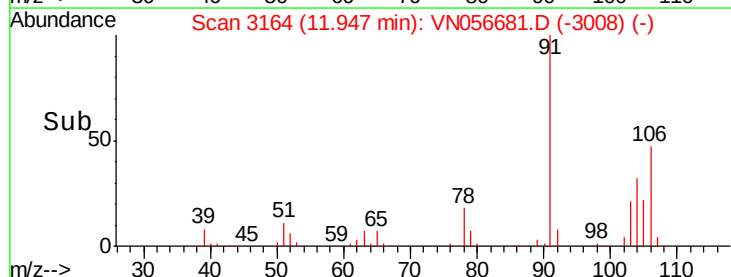
106 100

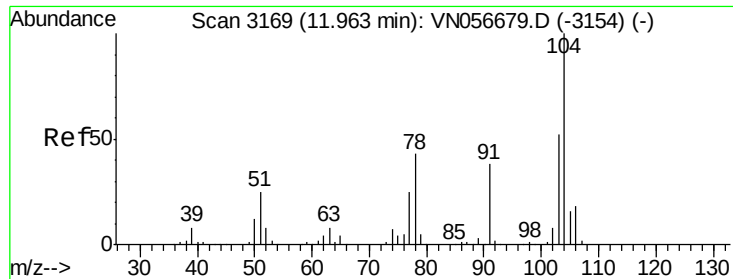
91 212.8 108.1 324.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

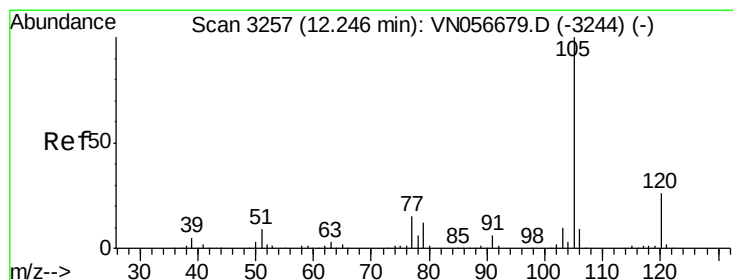
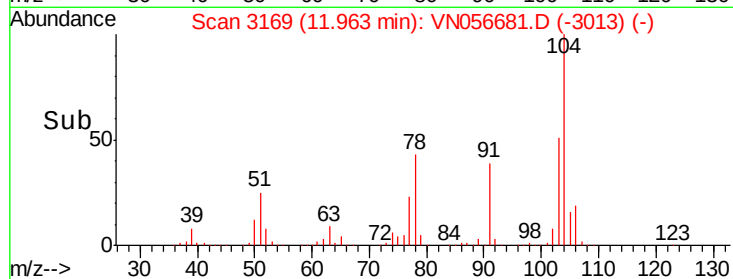
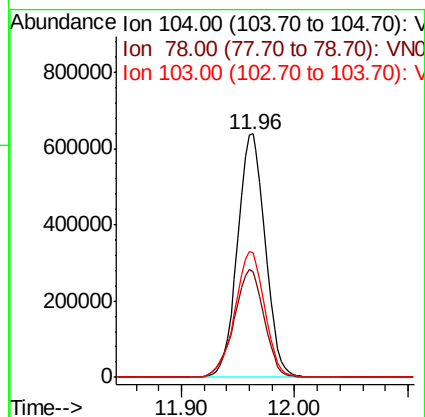
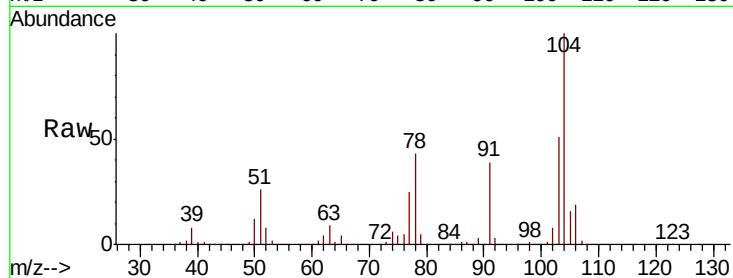




#69
Stvrene
Concen: 105.007 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

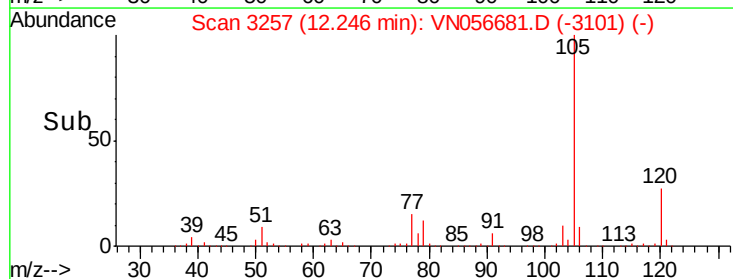
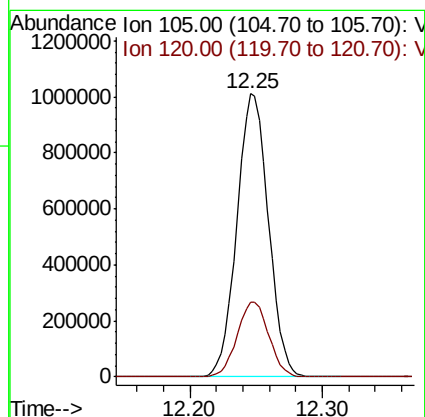
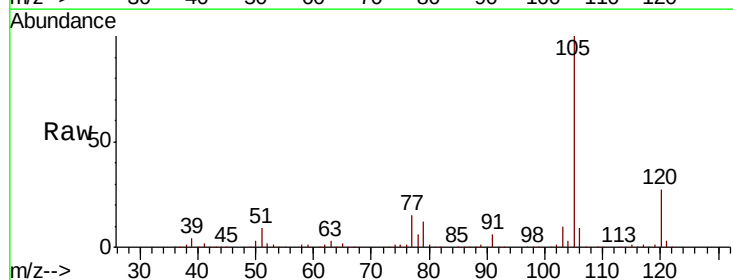
Instrument :
MSVOA_N
ClientSampled :

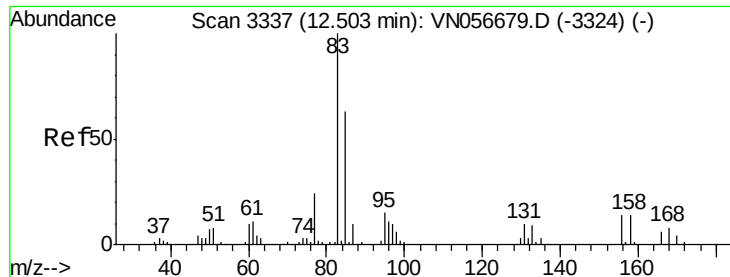
Tot Ion:104 Resp: 1089003
Ion Ratio Lower Upper
104 100
78 48.0 38.7 58.1
103 55.4 45.0 67.4



#70
Isopropylbenzene
Concen: 102.056 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion:105 Resp: 1667459
Ion Ratio Lower Upper
105 100
120 26.7 18.6 34.5

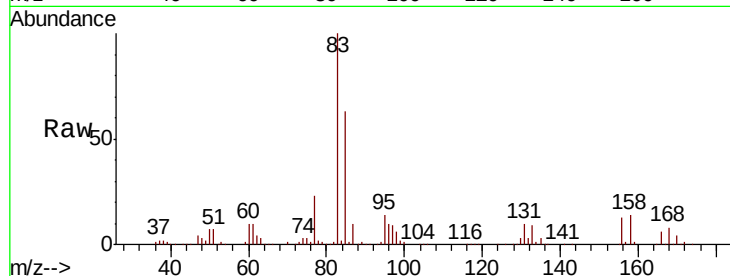




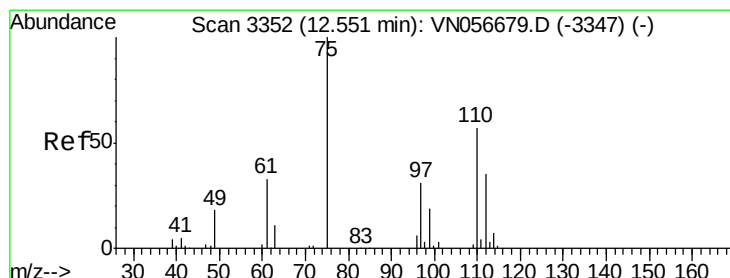
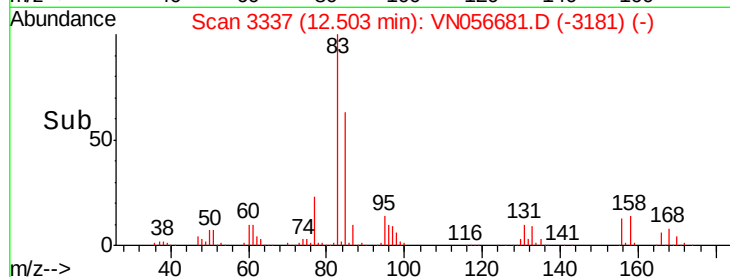
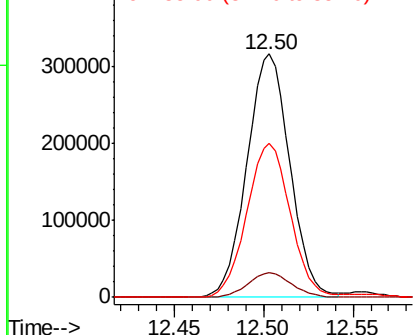
#71
 1,1,2,2-Tetrachloroethane
 Concen: 98.990 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	83	Resp	531797
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	64.0	31.9	95.7

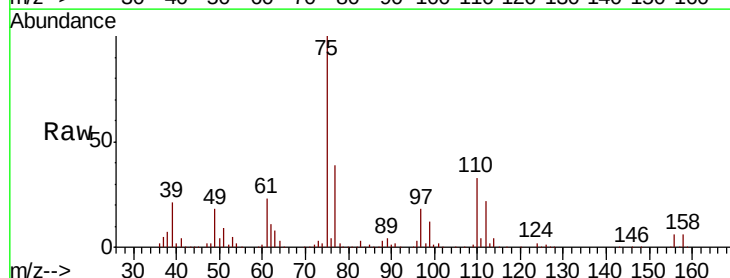


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

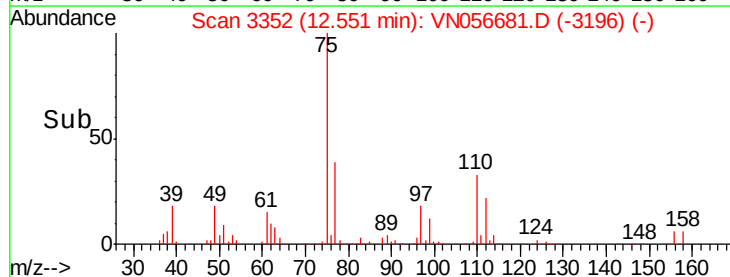
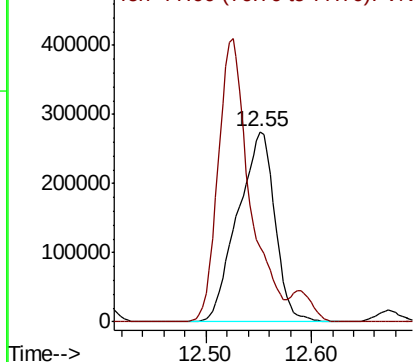


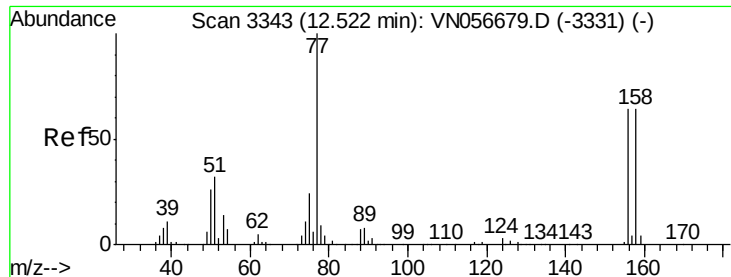
#72
 1,2,3-Trichloropropane
 Concen: 149.989 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	75	Resp	675994
Ion Ratio	Lower	Upper	
75	100		
77	126.3	0.0	352.2



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 104.810 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

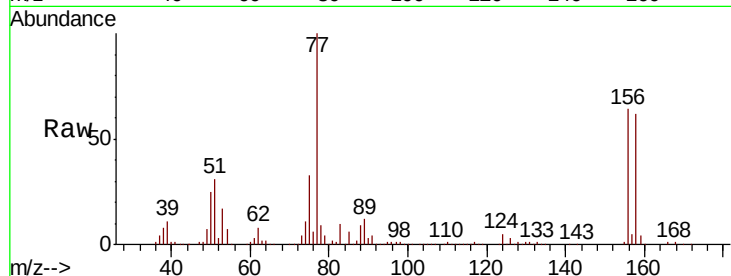
Tot Ion:156 Resp: 442151

Ion Ratio Lower Upper

156 100

77 193.1 0.0 381.8

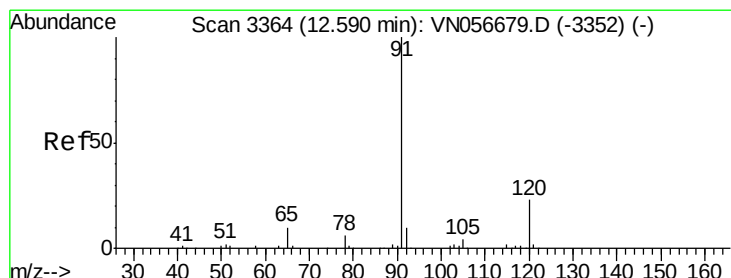
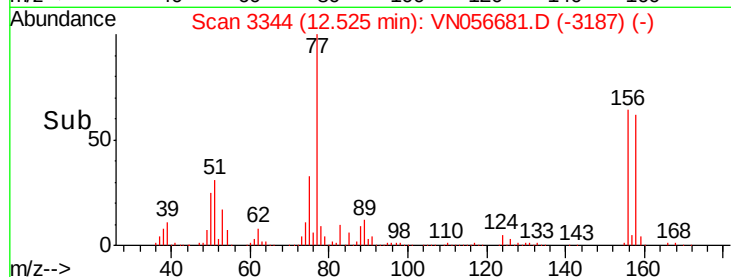
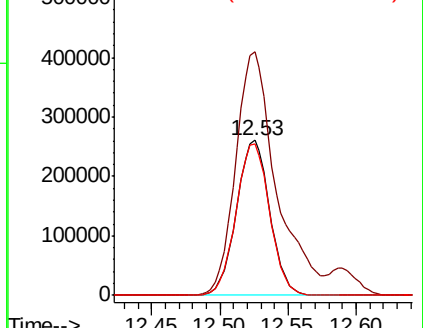
158 98.6 0.0 195.8



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: 103.124 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056681.D

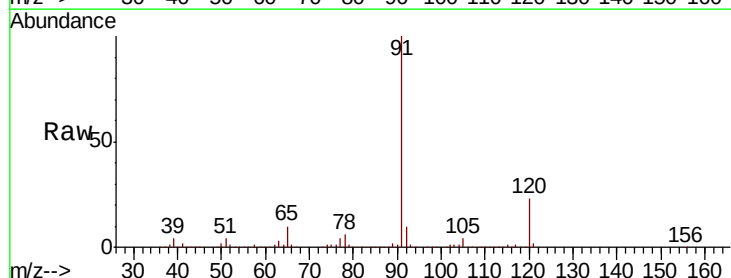
Acq: 12 Jul 2019 11:22

Tgt Ion: 91 Resp: 1921069

Ion Ratio Lower Upper

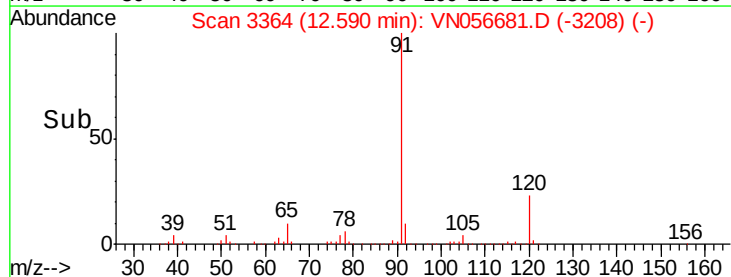
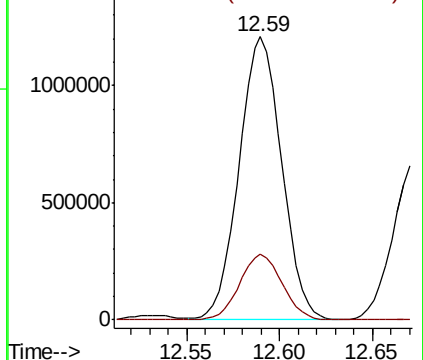
91 100

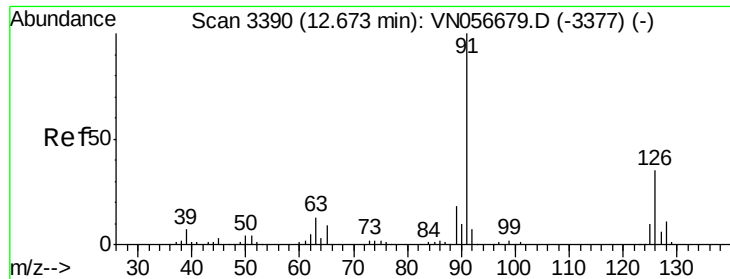
120 23.1 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

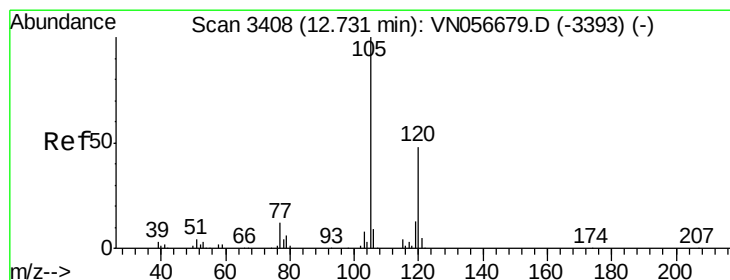
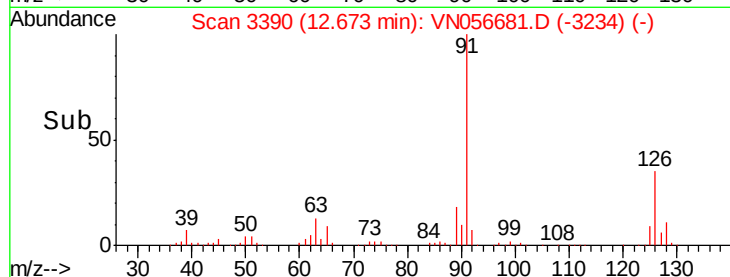
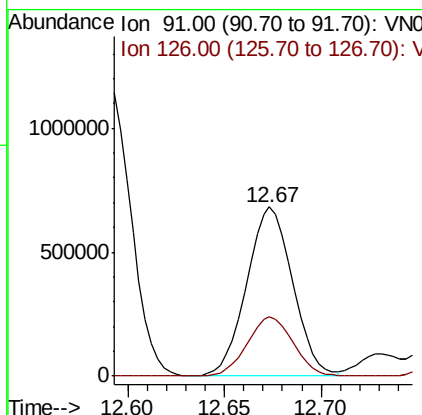
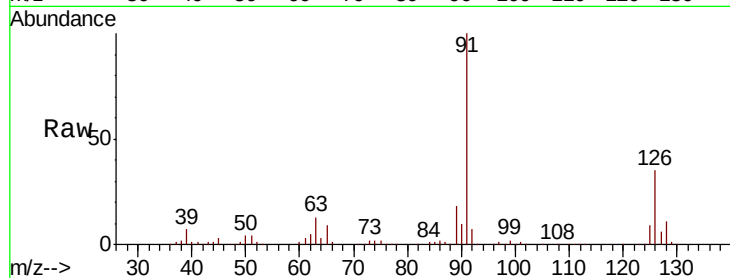




#75
 2-Chlorotoluene
 Concen: 101.636 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

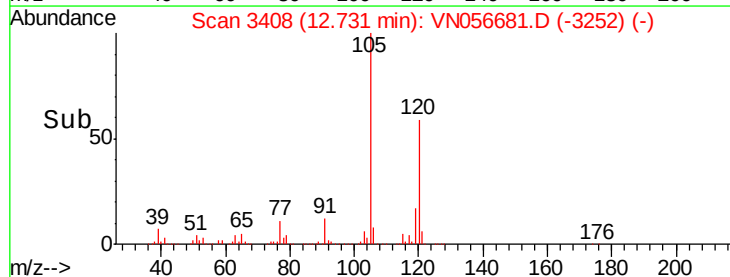
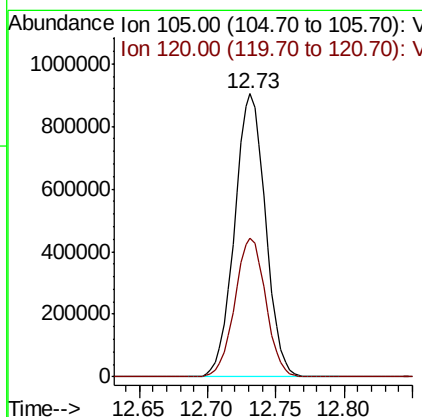
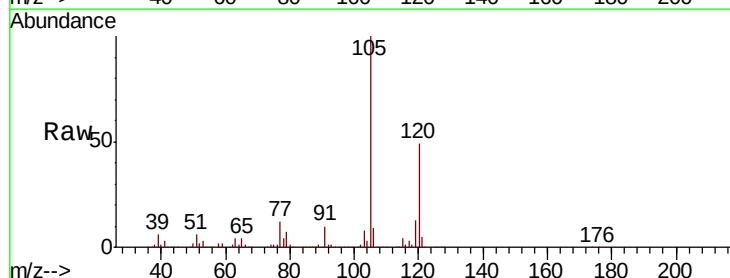
Instrument :
 MSVOA_N
 ClientSampleId :

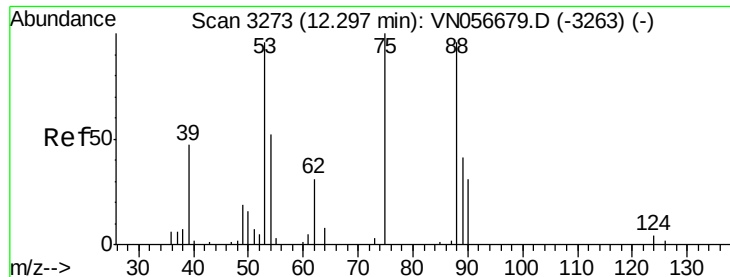
Tot Ion: 91 Resp: 1128880
 Ion Ratio Lower Upper
 91 100
 126 35.0 0.0 69.8



#76
 1,3,5-Trimethylbenzene
 Concen: 101.670 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion:105 Resp: 1415253
 Ion Ratio Lower Upper
 105 100
 120 49.0 0.0 97.6





#77

t-1,4-Dichloro-2-butene

Concen: 118.832 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

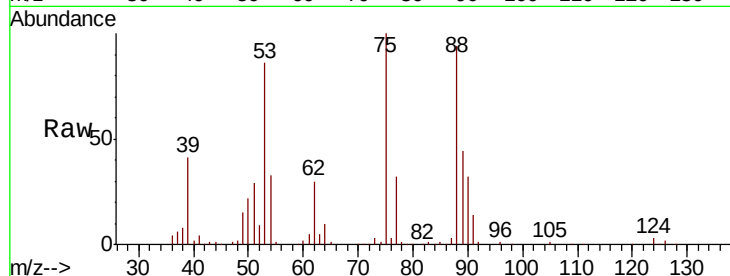
Tot Ion: 75 Resp: 174180

Ion Ratio Lower Upper

75 100

53 86.0 48.6 145.8

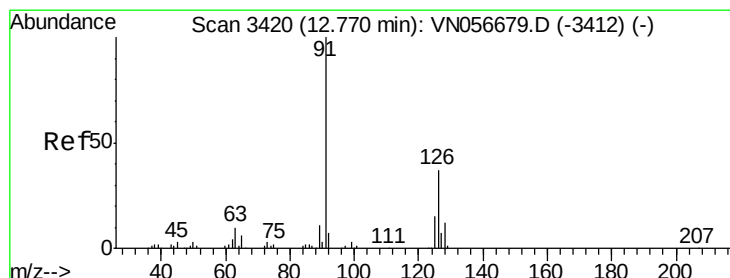
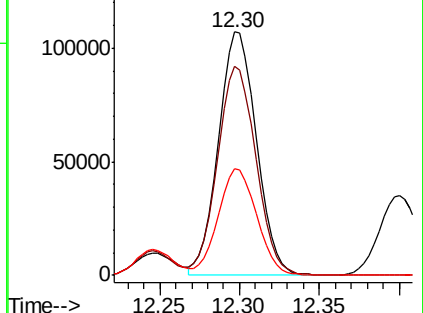
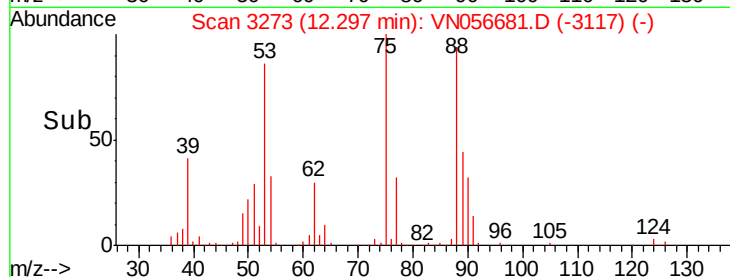
89 44.0 21.3 64.0



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: 105.205 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056681.D

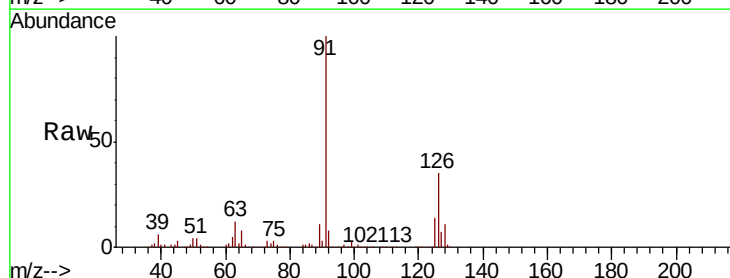
Acq: 12 Jul 2019 11:22

Tgt Ion: 91 Resp: 1134031

Ion Ratio Lower Upper

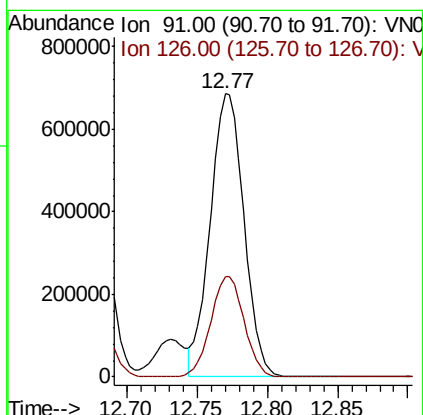
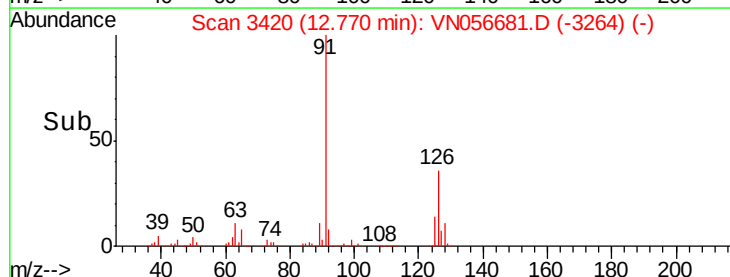
91 100

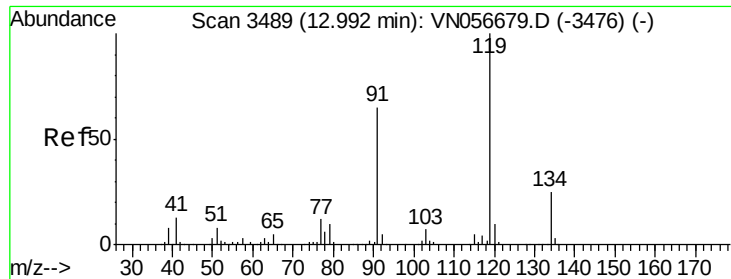
126 35.1 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

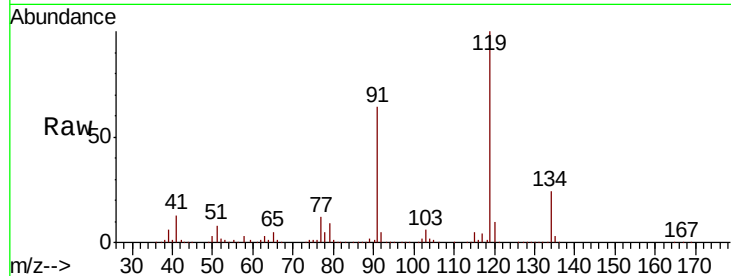




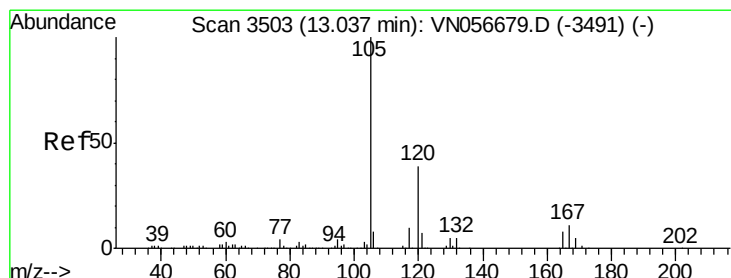
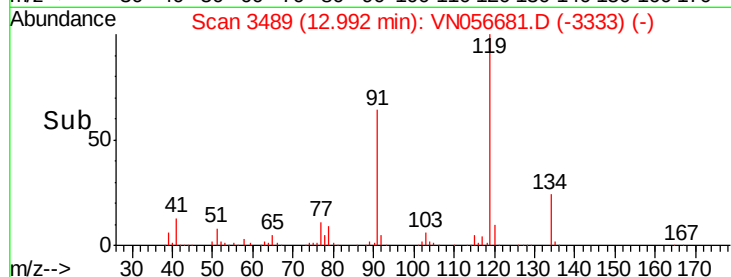
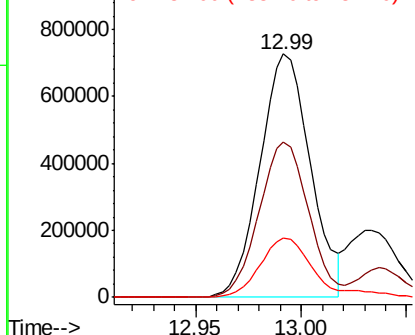
#79
tert-butylbenzene
Concen: 102.029 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 1209319
Ion Ratio Lower Upper
119 100
91 62.8 0.0 125.4
134 24.3 0.0 48.4

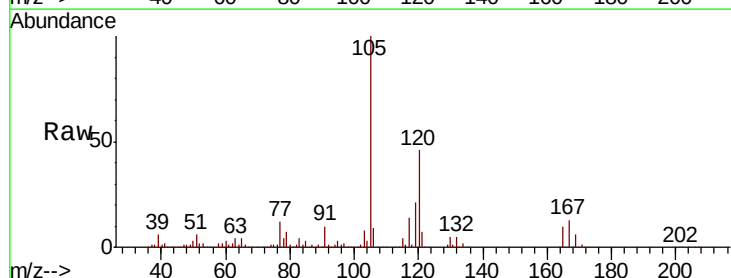


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

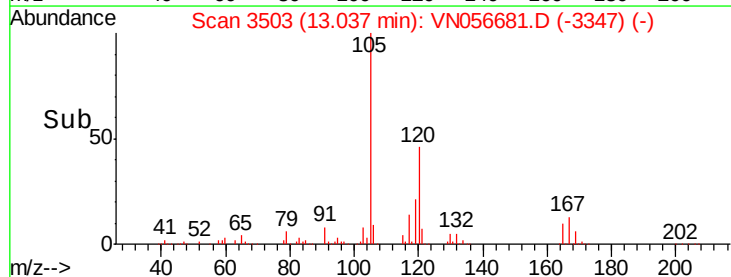
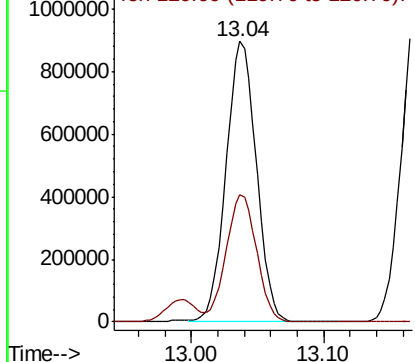


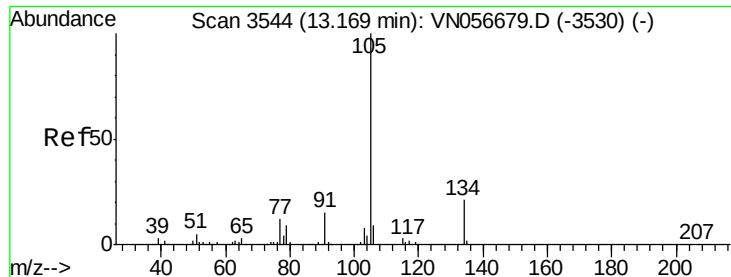
#80
1,2,4-Trimethylbenzene
Concen: 103.479 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion:105 Resp: 1423154
Ion Ratio Lower Upper
105 100
120 45.4 0.0 91.2



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





#81

sec-Butylbenzene

Concen: 102.138 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

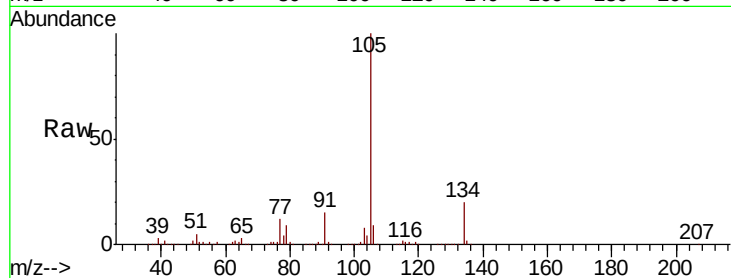
ClientSampled :

Tot Ion:105 Resp: 1607369

Ion Ratio Lower Upper

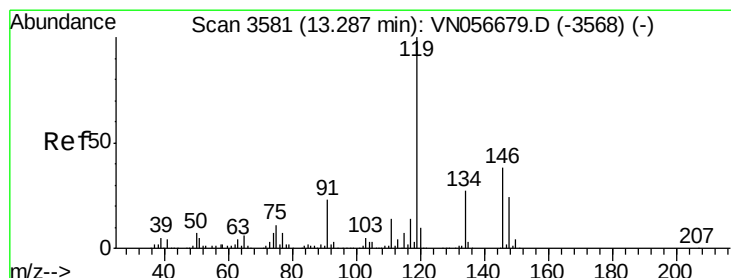
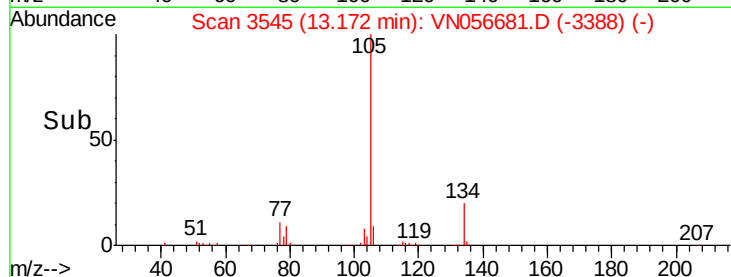
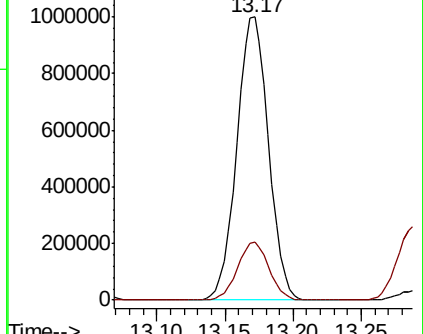
105 100

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



#82

p-Isopropyltoluene

Concen: 104.366 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

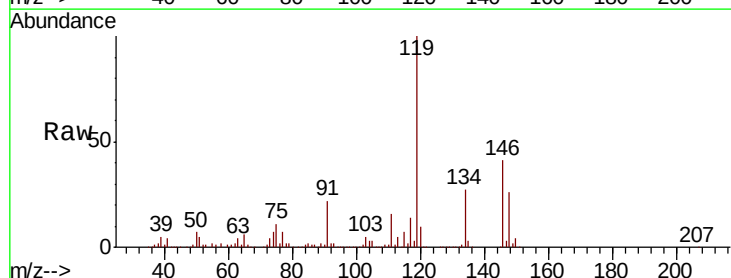
Tgt Ion:119 Resp: 1483538

Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.8

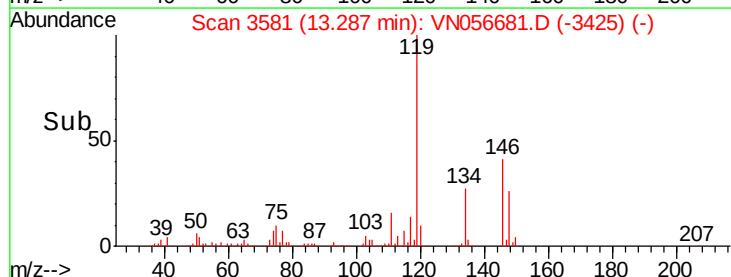
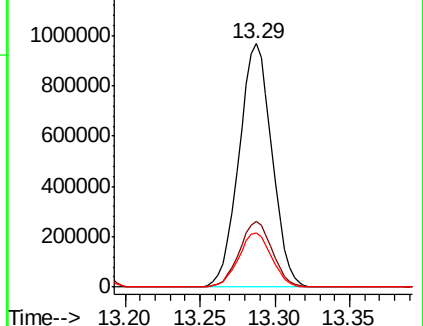
91 22.3 0.0 45.4

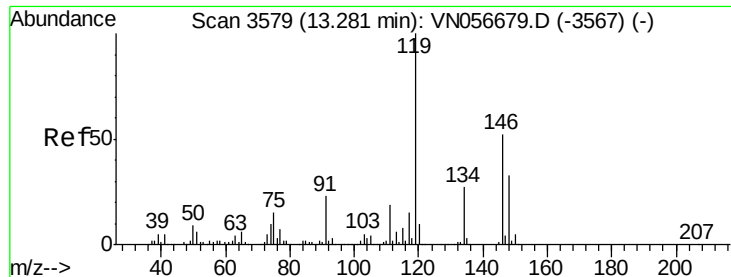


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

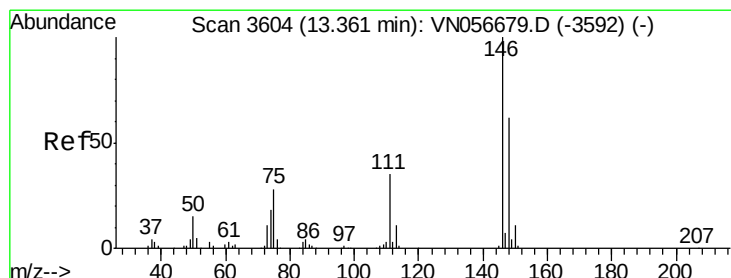
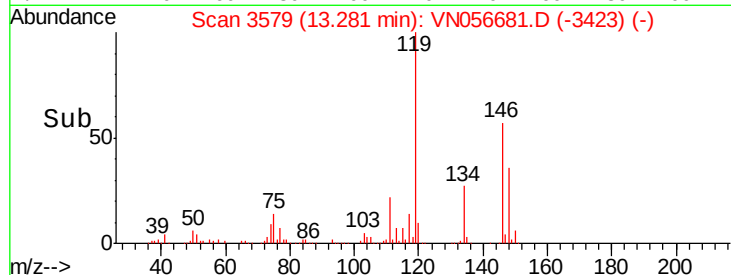
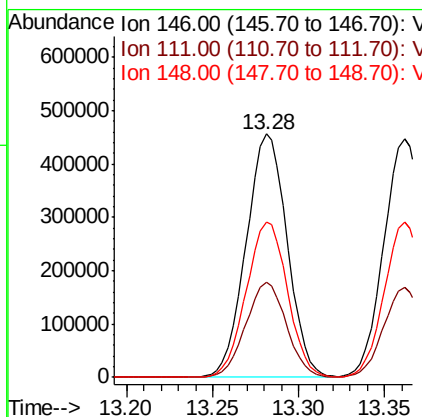
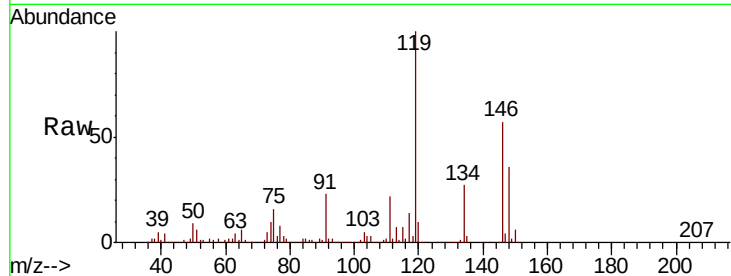




#83
 1,3-Dichlorobenzene
 Concen: 107.584 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

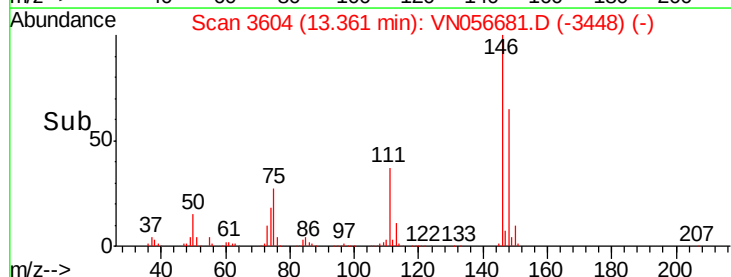
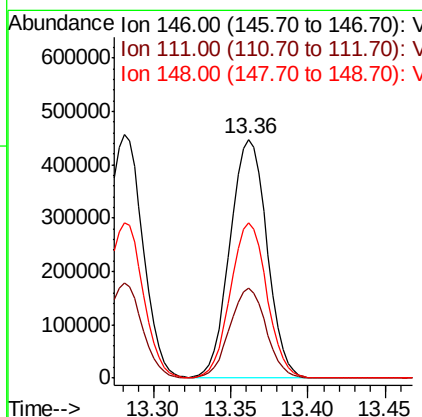
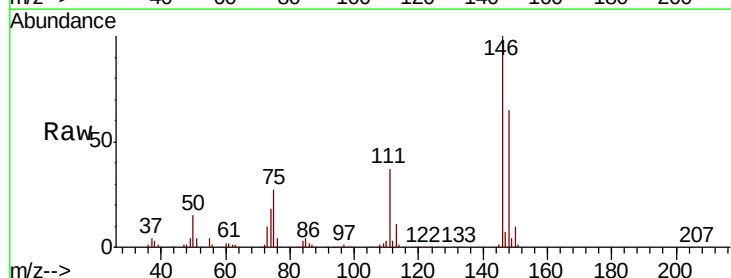
Instrument :
 MSVOA_N
 ClientSampled :

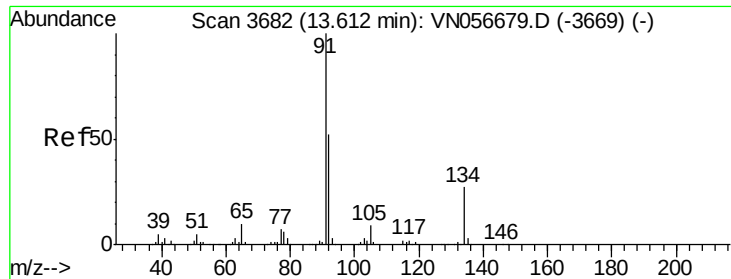
Tot Ion:146 Resp: 756329
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.7 56.1
 148 64.3 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 109.611 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion:146 Resp: 741671
 Ion Ratio Lower Upper
 146 100
 111 36.9 17.8 53.4
 148 63.9 31.9 95.5





#85

n-Butylbenzene

Concen: 107.639 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

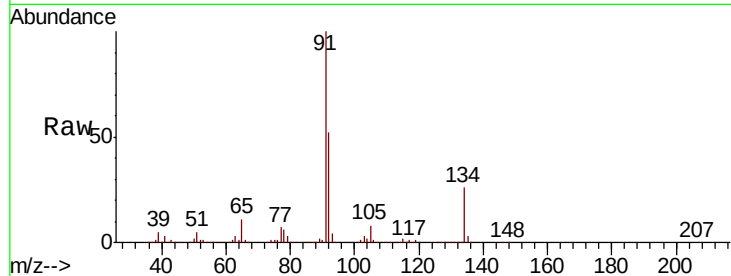
Tot Ion: 91 Resp: 1280493

Ion Ratio Lower Upper

91 100

92 52.6 0.0 104.0

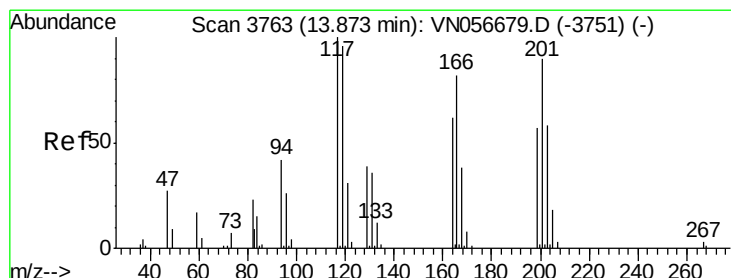
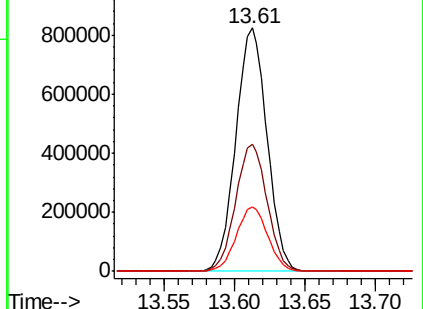
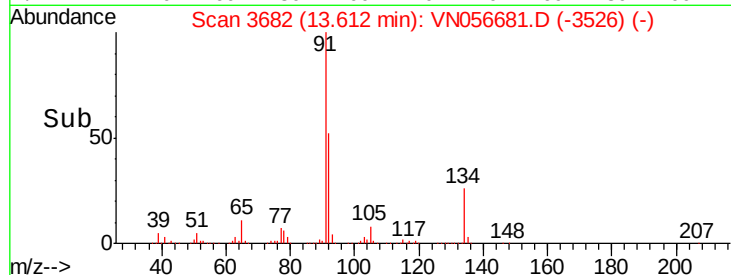
134 26.6 0.0 53.2



Abundance Ion 91.00 (90.70 to 91.70): VN056681.D (-3526) (-)

Ion 92.00 (91.70 to 92.70): VN056681.D (-3526) (-)

Ion 134.00 (133.70 to 134.70): VN056681.D (-3526) (-)



#86

Hexachloroethane

Concen: 113.576 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056681.D

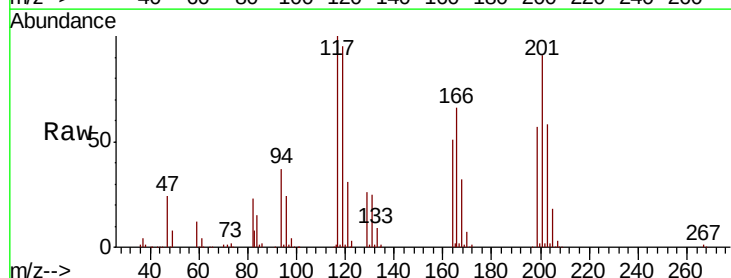
Acq: 12 Jul 2019 11:22

Tgt Ion: 117 Resp: 245548

Ion Ratio Lower Upper

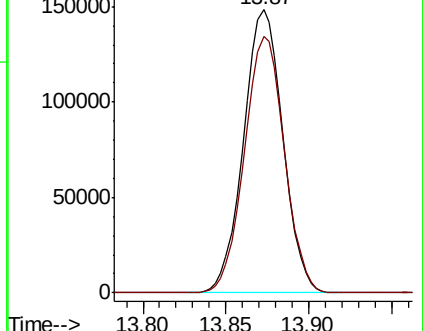
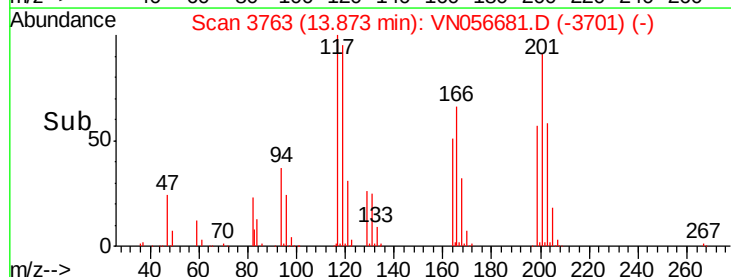
117 100

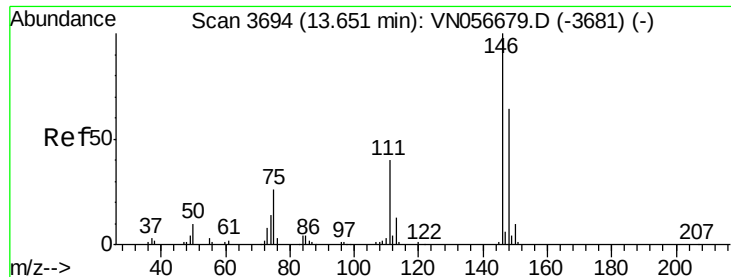
201 91.9 45.6 136.7



Abundance Ion 117.00 (116.70 to 117.70): VN056681.D (-3701) (-)

Ion 201.00 (200.70 to 201.70): VN056681.D (-3701) (-)

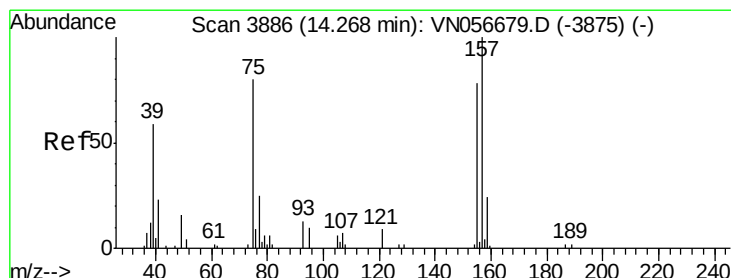
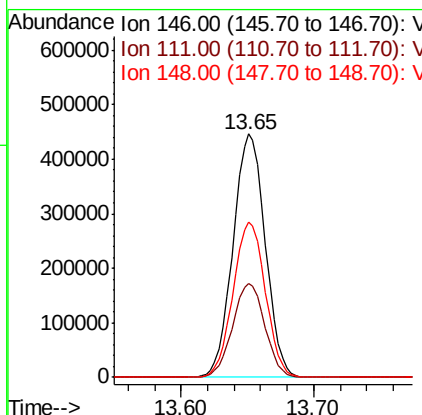
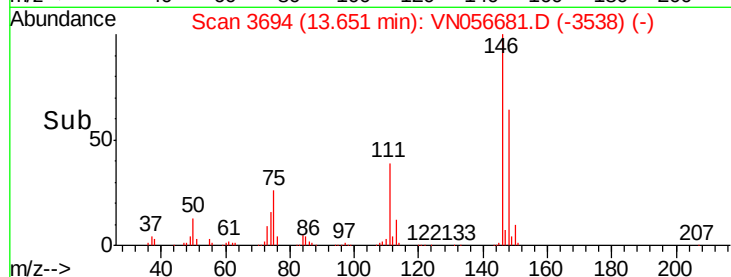
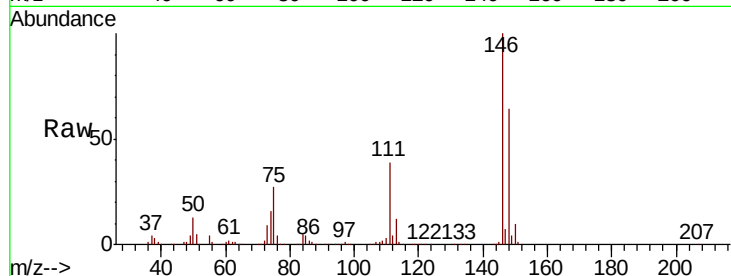




#87
 1,2-Dichlorobenzene
 Concen: 105.983 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

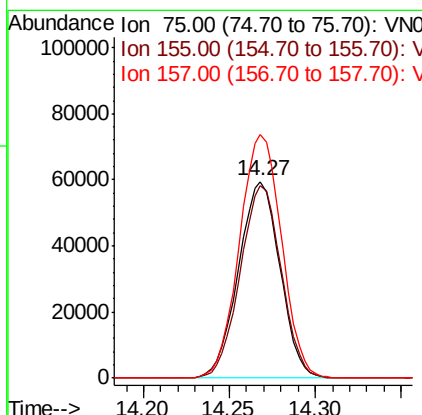
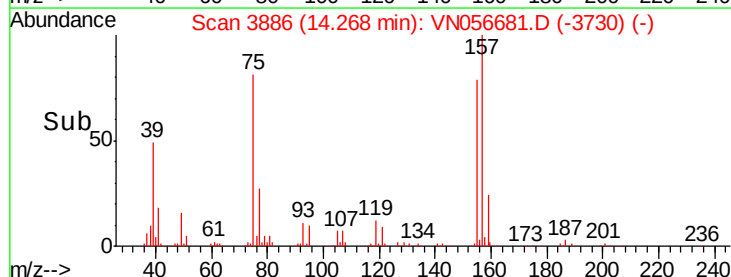
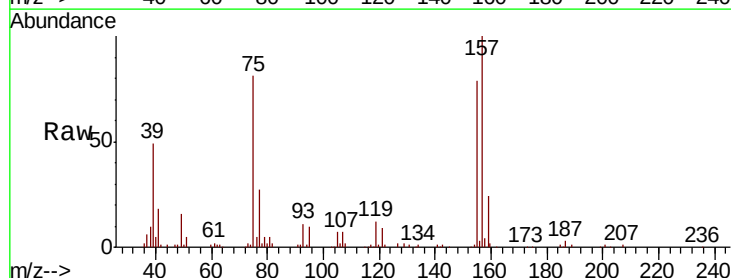
Instrument :
 MSVOA_N
 ClientSampleId :

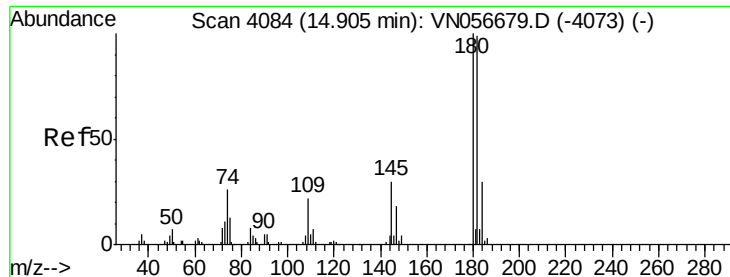
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	64.0	32.7	98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 103.999 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	78.6	117.8
157	125.9	99.3	148.9

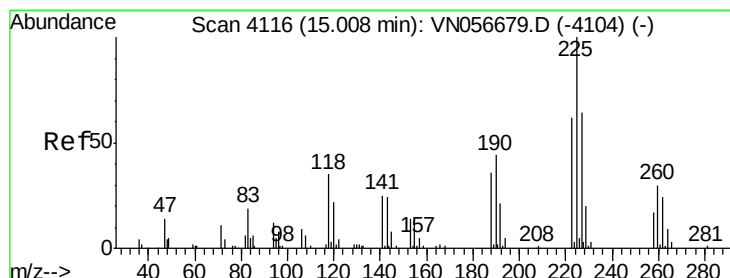
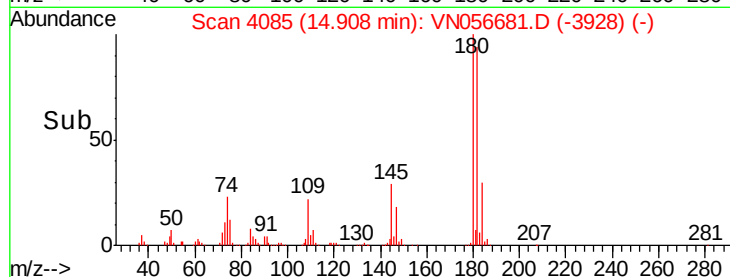
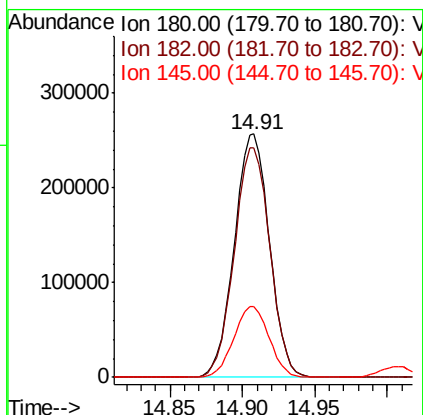
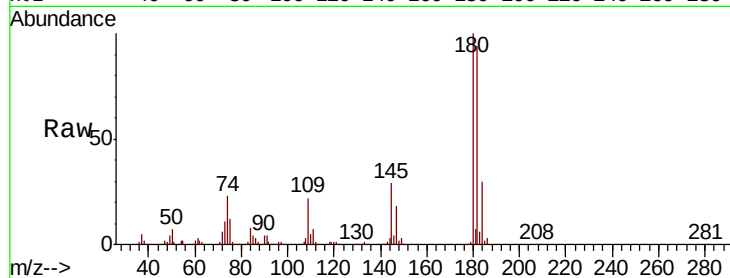




#89
 1,2,4-Trichlorobenzene
 Concen: 110.780 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

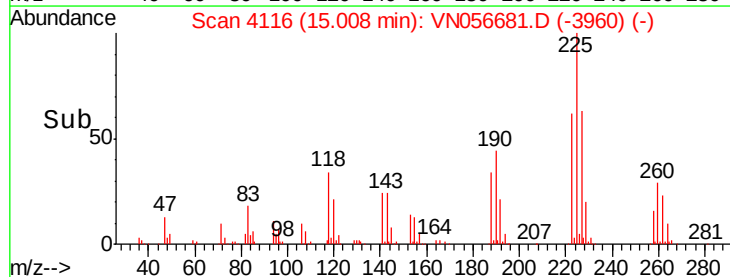
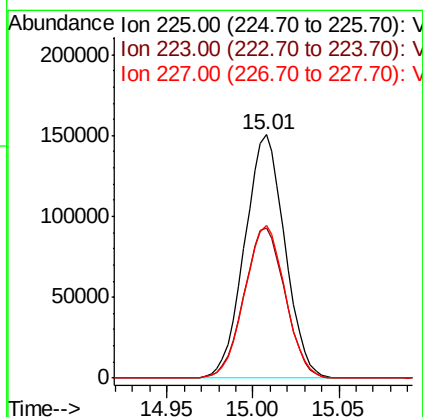
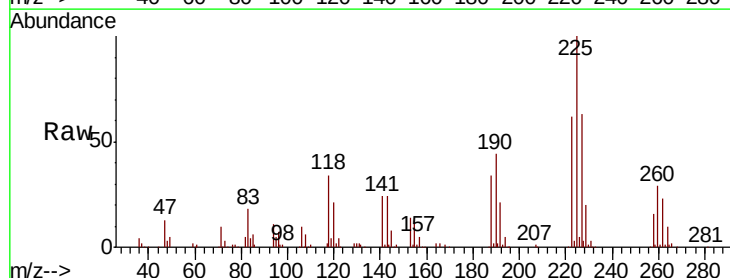
Instrument :
 MSVOA_N
 ClientSampleId :

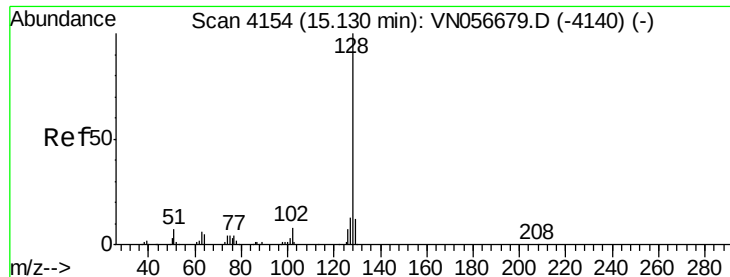
Tot Ion:180 Resp: 432659
 Ion Ratio Lower Upper
 180 100
 182 95.5 78.2 117.4
 145 29.2 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 99.303 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion:225 Resp: 244893
 Ion Ratio Lower Upper
 225 100
 223 62.8 0.0 124.6
 227 63.2 0.0 128.6

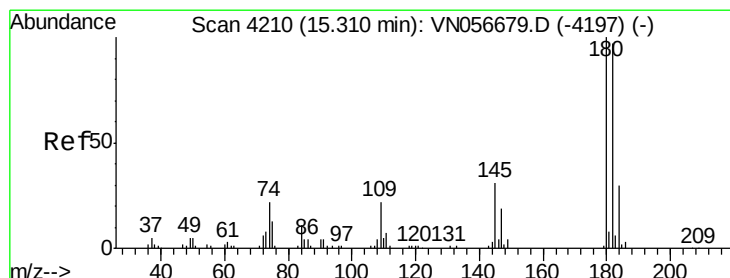
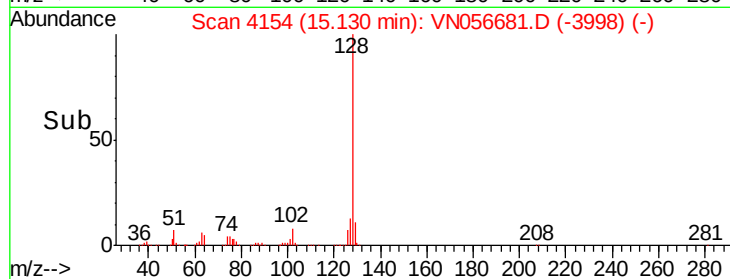
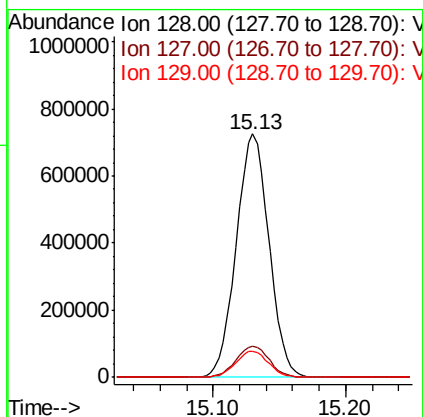
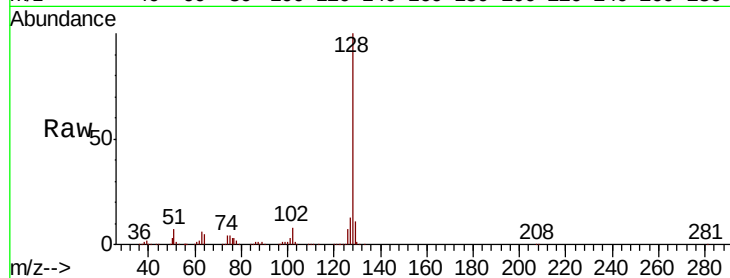




#91
Naphthalene
Concen: 115.700 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 1244167
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.8 13.2



#92
1,2,3-Trichlorobenzene
Concen: 107.166 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion:180 Resp: 438161
Ion Ratio Lower Upper
180 100
182 96.8 0.0 192.4
145 30.6 0.0 60.4

