

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056121.D
 Acq On : 8 Jun 2019 00:46
 Operator : JC/SP
 Sample : VN0608WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

Quant Time: Jun 08 05:16:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	290131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	427959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	380947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156145	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	152128	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
35) Dibromofluoromethane	7.59	113	133612	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	10.09	98	512530	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.40	95	168235	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	64777	20.534	ug/l	96
3) Chloromethane	2.06	50	69916	22.231	ug/l	99
4) Vinyl Chloride	2.18	62	66965	21.227	ug/l	99
5) Bromomethane	2.54	94	41159	20.653	ug/l	99
6) Chloroethane	2.69	64	38111	20.836	ug/l	99
7) Trichlorofluoromethane	3.00	101	81592	20.259	ug/l	100
8) Diethyl Ether	3.40	74	33066	19.965	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50267	20.547	ug/l	99
10) Methyl Iodide	3.94	142	74824	19.246	ug/l	98
11) Tert butyl alcohol	4.82	59	49527	98.794	ug/l	100
12) 1,1-Dichloroethene	3.72	96	49511	20.328	ug/l	96
13) Acrolein	3.60	56	10852	75.057	ug/l	98
14) Allyl chloride	4.31	41	73443	19.096	ug/l	99
15) Acrylonitrile	4.99	53	140150	114.845	ug/l	99
16) Acetone	3.82	43	115847	84.083	ug/l	100
17) Carbon Disulfide	4.04	76	98130	16.827	ug/l	99
18) Methyl Acetate	4.33	43	66369	24.225	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	161736	20.833	ug/l	100
20) Methylene Chloride	4.54	84	59816	21.073	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	53290	20.420	ug/l	99
22) Diisopropyl ether	5.96	45	169244	21.288	ug/l	100
23) Vinyl Acetate	5.90	43	645896	103.166	ug/l	100
24) 1,1-Dichloroethane	5.84	63	96571	21.058	ug/l	99
25) 2-Butanone	6.84	43	184445	105.956	ug/l	98
26) 2,2-Dichloropropane	6.82	77	46525	13.001	ug/l	96
27) cis-1,2-Dichloroethene	6.82	96	63869	20.821	ug/l	95
28) Bromochloromethane	7.19	49	43792	20.193	ug/l	100
29) Tetrahydrofuran	7.22	42	121748	113.144	ug/l	100
30) Chloroform	7.37	83	97424	21.118	ug/l	100
31) Cyclohexane	7.65	56	90464	19.790	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	76863	19.952	ug/l	100
36) 1,1-Dichloropropene	7.79	75	71376	19.396	ug/l	99
37) Ethyl Acetate	6.94	43	73001	22.296	ug/l	100
38) Carbon Tetrachloride	7.77	117	63951	18.850	ug/l	97

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

39) Methylcyclohexane	9.08	83	85750	18.706	ug/l	99
40) Benzene	8.04	78	231217	20.688	ug/l	99
41) Methacrylonitrile	7.17	41	24992	16.590	ug/l #	61
42) 1,2-Dichloroethane	8.12	62	73789	20.525	ug/l	99
43) Isopropyl Acetate	8.17	43	108927	20.530	ug/l #	92
44) Trichloroethene	8.83	130	63069	19.638	ug/l	98
45) 1,2-Dichloropropane	9.12	63	59201	20.680	ug/l	99
46) Dibromomethane	9.21	93	38935	20.798	ug/l	98
47) Bromodichloromethane	9.40	83	66314	19.545	ug/l	98
48) Methyl methacrylate	9.20	41	55417	21.350	ug/l	99
49) 1,4-Dioxane	9.21	88	24851	443.467	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	364660	109.906	ug/l	100
52) Toluene	10.16	92	143393	20.618	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	62083	17.256	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	75770	18.579	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	57687	20.940	ug/l	99
56) Ethyl methacrylate	10.43	69	84118	20.930	ug/l	98
57) 1,3-Dichloropropane	10.71	76	94739	21.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	158492	108.418	ug/l	100
59) 2-Hexanone	10.75	43	252952	105.188	ug/l	100
60) Dibromochloromethane	10.90	129	50150	18.148	ug/l	99
61) 1,2-Dibromoethane	11.01	107	58109	20.633	ug/l	98
64) Tetrachloroethene	10.63	164	69870	21.189	ug/l	100
65) Chlorobenzene	11.43	112	153730	20.277	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	51475	19.663	ug/l	98
67) Ethyl Benzene	11.51	91	262816	19.936	ug/l	100
68) m/p-Xylenes	11.62	106	204161	40.539	ug/l	98
69) o-Xylene	11.95	106	100120	20.211	ug/l	99
70) Styrene	11.96	104	159416	20.254	ug/l	99
71) Bromoform	12.13	173	34105	17.409	ug/l #	98
73) Isopropylbenzene	12.25	105	263792	22.363	ug/l	100
74) N-amyl acetate	12.07	43	88509	21.265	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	78611	21.687	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	88922	30.949	ug/l #	100
77) Bromobenzene	12.53	156	69379	20.753	ug/l	97
78) n-propylbenzene	12.59	91	270232	20.457	ug/l	100
79) 2-Chlorotoluene	12.67	91	171703	22.140	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	216392	20.612	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	13015	15.085	ug/l #	76
82) 4-Chlorotoluene	12.77	91	158559	20.517	ug/l	98
83) tert-Butylbenzene	12.99	119	193246	22.207	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	206331	20.725	ug/l	98
85) sec-Butylbenzene	13.17	105	241098	20.609	ug/l	100
86) p-Isopropyltoluene	13.29	119	211952	20.244	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	105674	20.424	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	97912	19.672	ug/l	98
89) n-Butylbenzene	13.61	91	143874	18.550	ug/l	100
90) Hexachloroethane	13.87	117	28873	18.287	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	106595	20.406	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10355	19.973	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	39680	16.877	ug/l	98
94) Hexachlorobutadiene	15.01	225	39456	20.805	ug/l	99
95) Naphthalene	15.13	128	114376	17.986	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48920	18.696	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

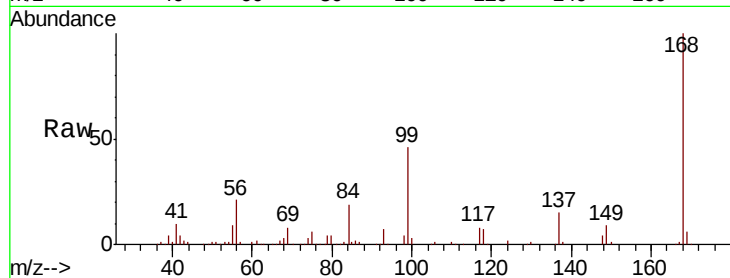
VN0608WBSD03

Tot Ion:168 Resp: 290131

Ion Ratio Lower Upper

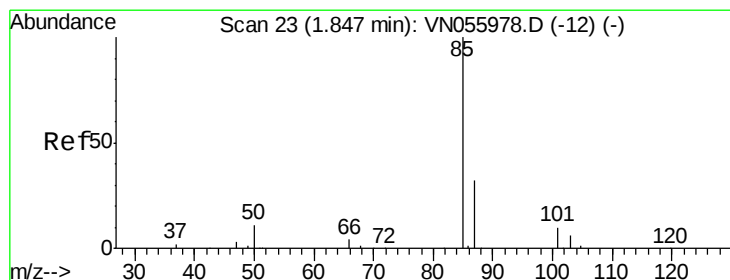
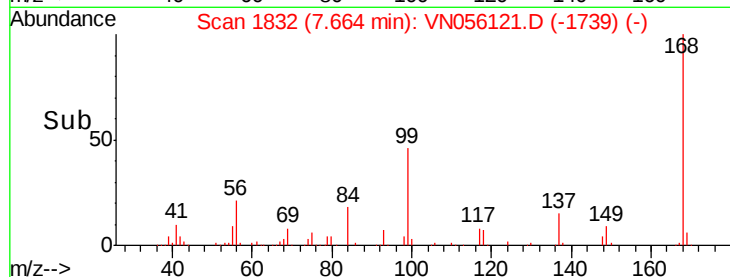
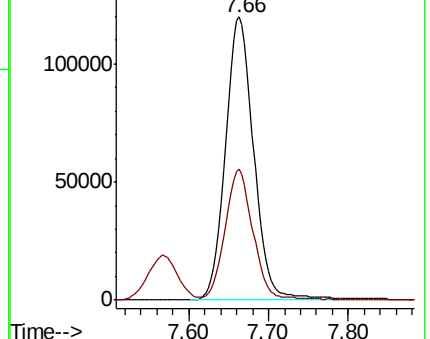
168 100

99 45.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.534 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056121.D

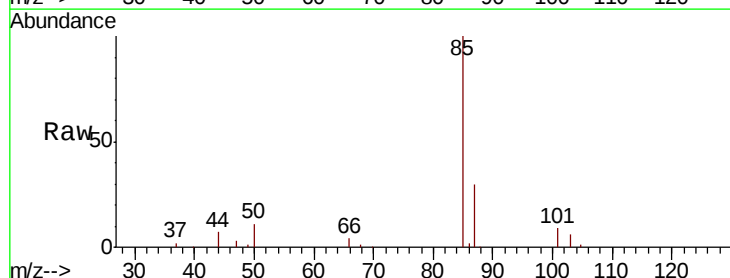
Acq: 8 Jun 2019 00:46

Tgt Ion: 85 Resp: 64777

Ion Ratio Lower Upper

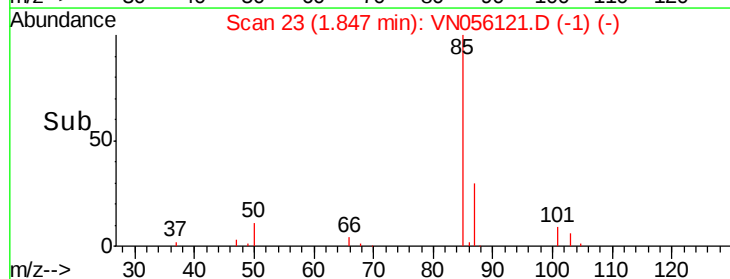
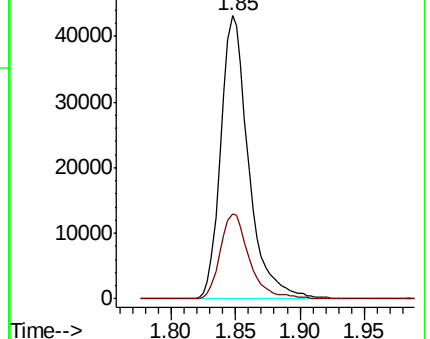
85 100

87 30.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 22.231 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

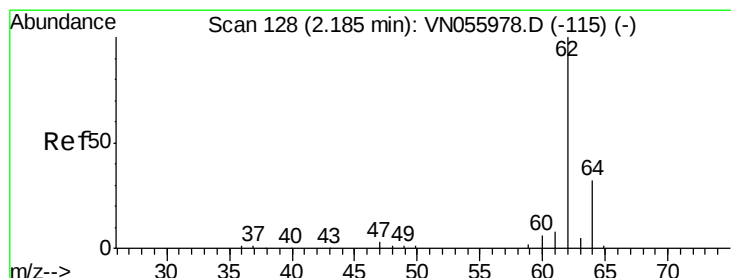
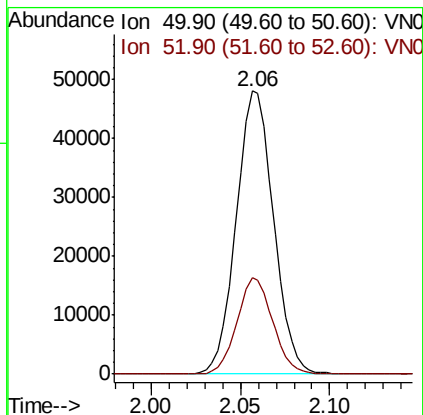
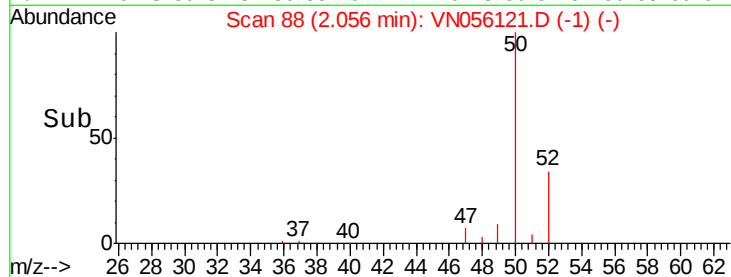
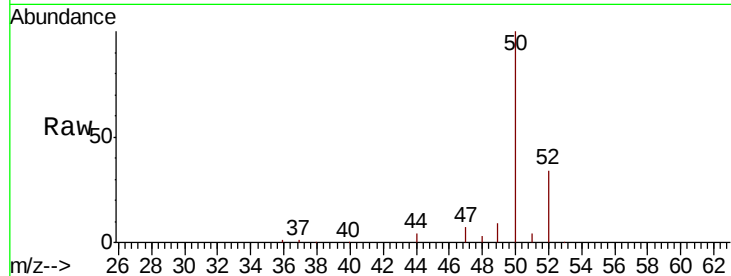
VN0608WBSD03

Tot Ion: 50 Resp: 69916

Ion Ratio Lower Upper

50 100

52 33.9 26.6 40.0



#4

Vinyl Chloride

Concen: 21.227 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056121.D

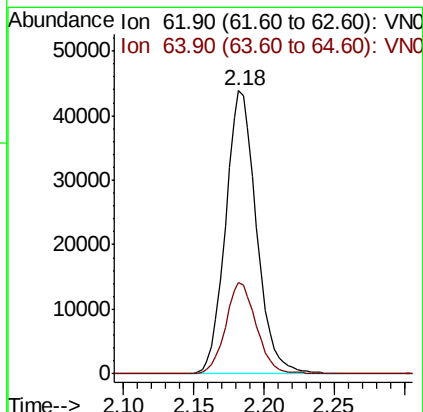
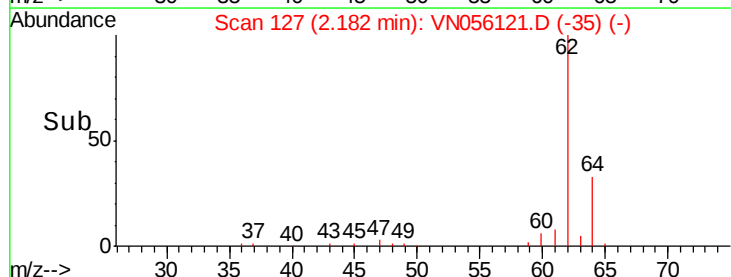
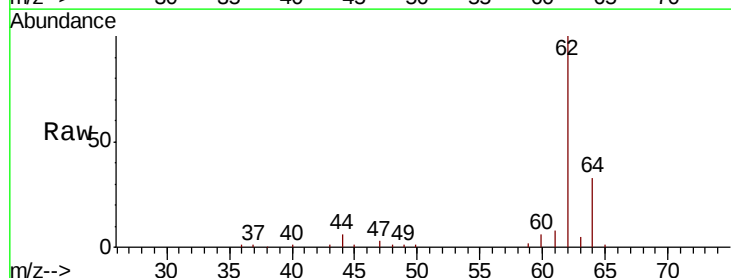
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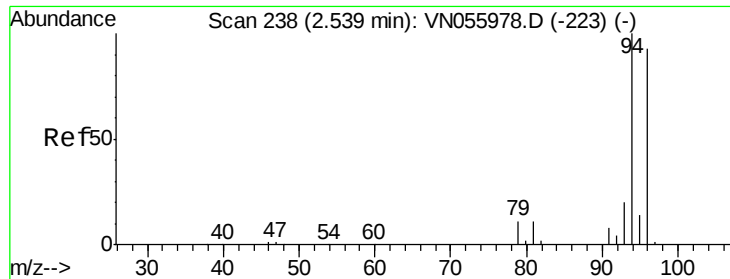
Tgt Ion: 62 Resp: 66965

Ion Ratio Lower Upper

62 100

64 32.5 25.6 38.4

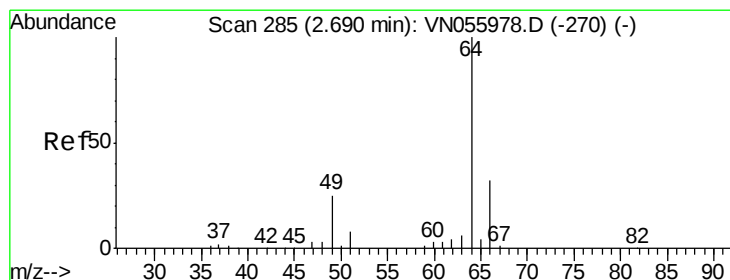
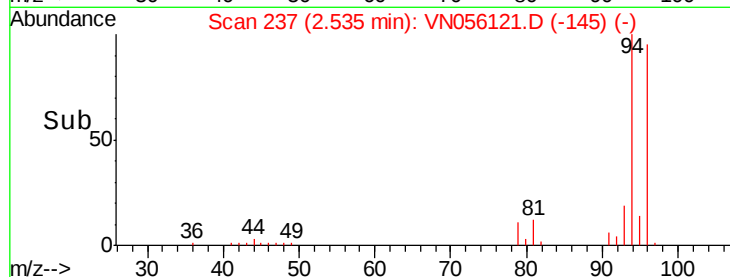
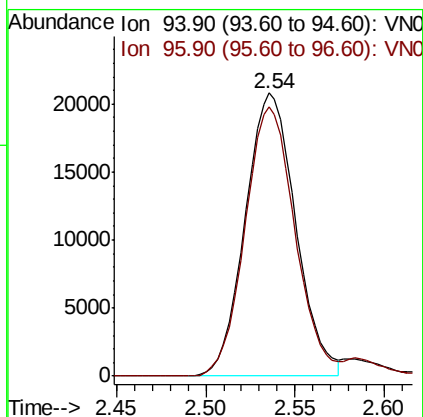
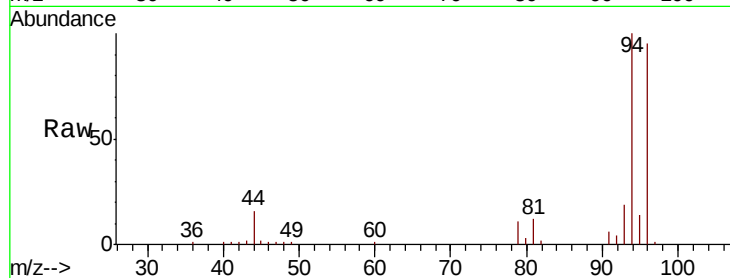




#5
Bromomethane
Concen: 20.653 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

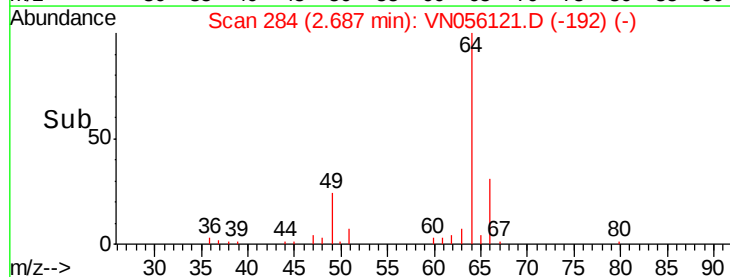
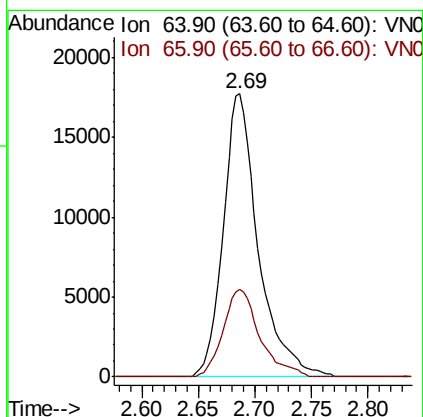
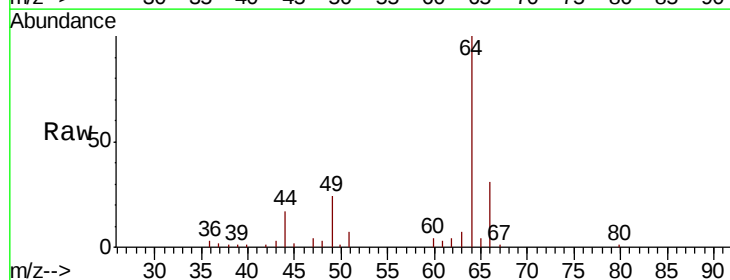
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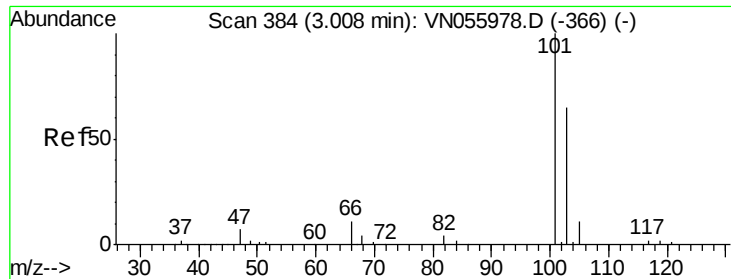
Tot Ion: 94 Resp: 41159
Ion Ratio Lower Upper
94 100
96 95.2 75.5 113.3



#6
Chloroethane
Concen: 20.836 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 64 Resp: 38111
Ion Ratio Lower Upper
64 100
66 31.1 25.4 38.0



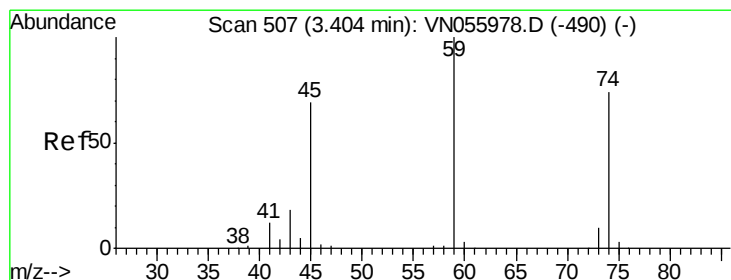
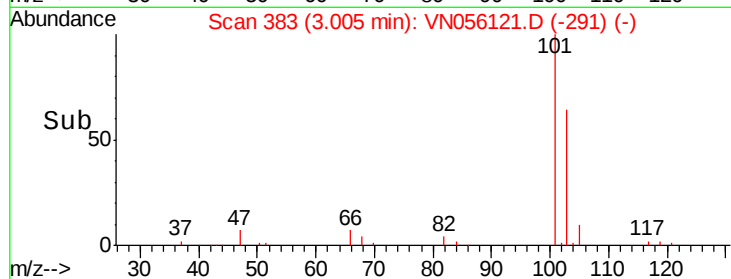
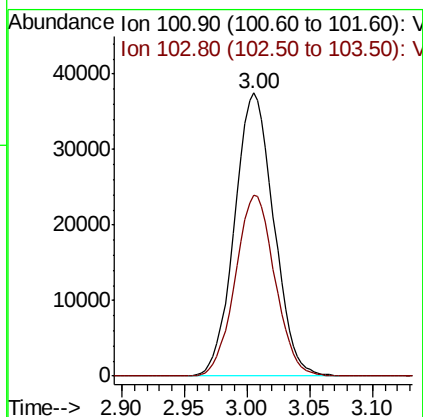
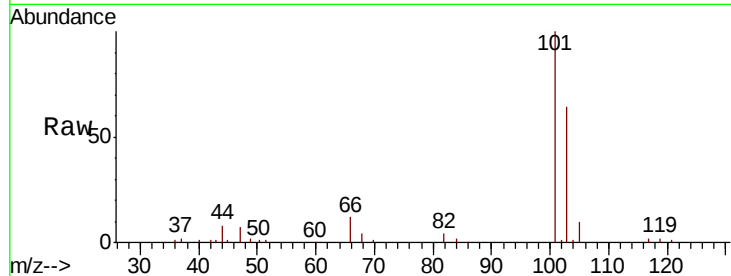


#7

Trichlorofluoromethane
 Concen: 20.259 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
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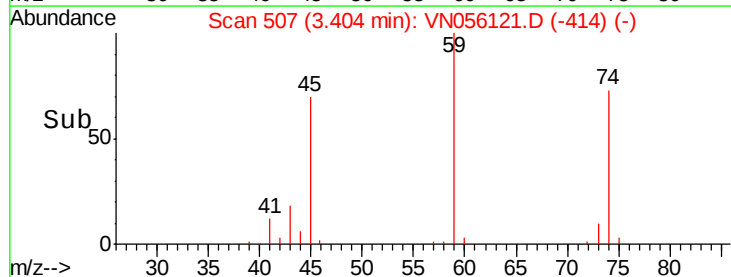
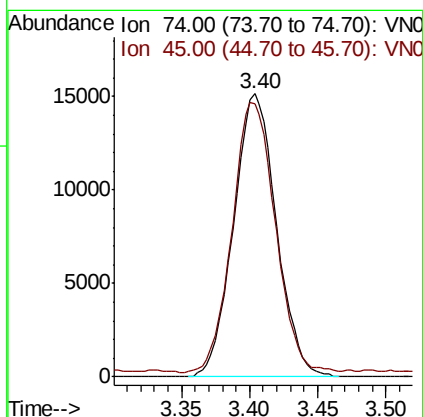
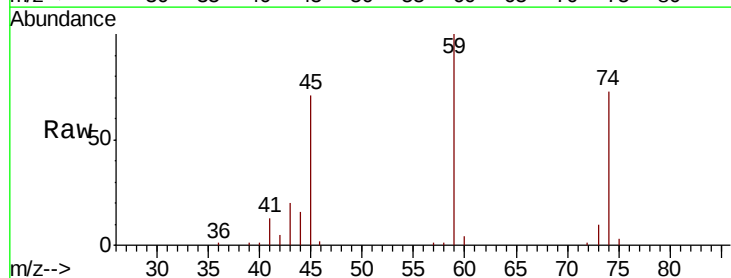
Tot Ion:101 Resp: 81592
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.2 76.8



#8

Diethyl Ether
 Concen: 19.965 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion: 74 Resp: 33066
 Ion Ratio Lower Upper
 74 100
 45 96.1 48.6 145.9

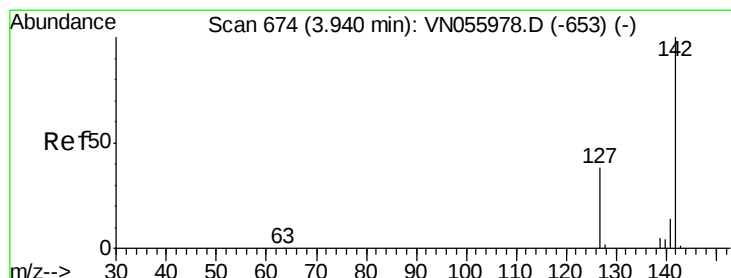
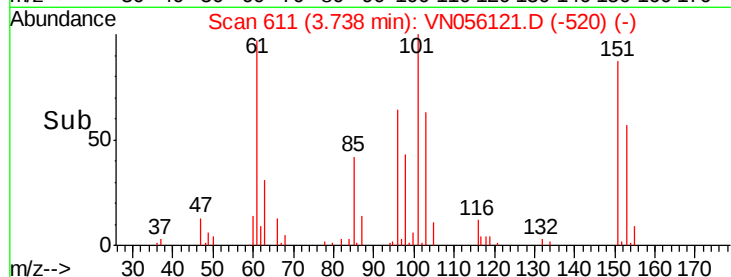
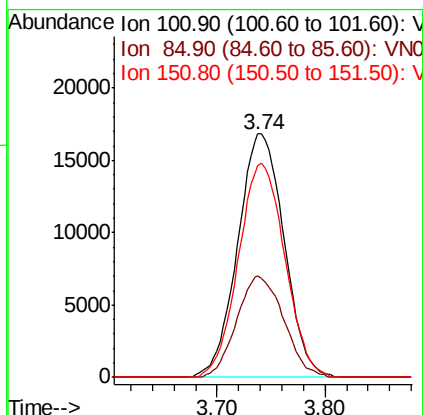
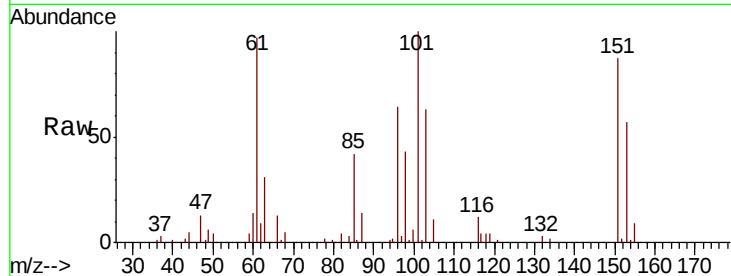




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.547 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VN056121.D
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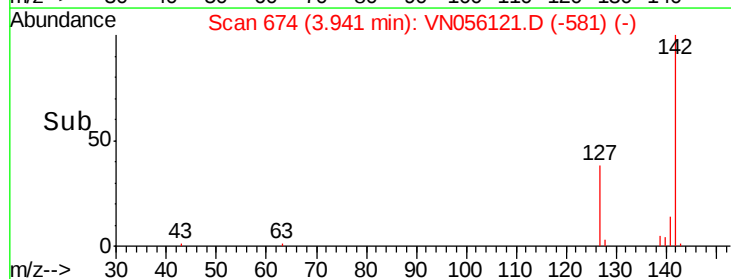
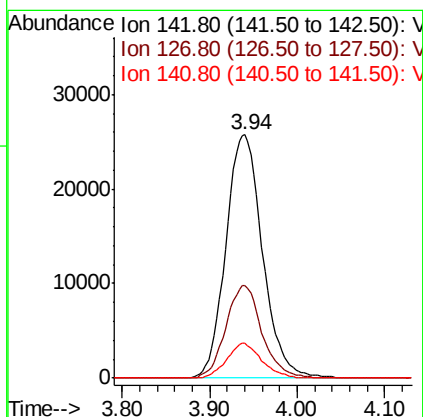
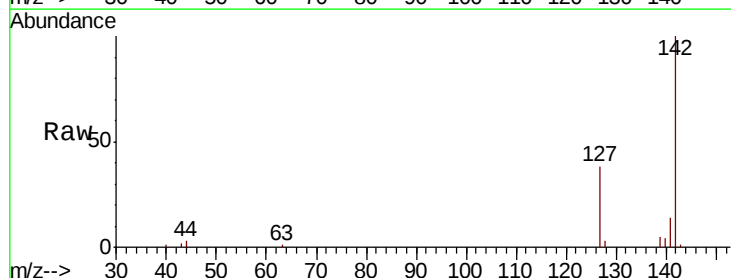
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Tot Ion:101 Resp: 50267
 Ion Ratio Lower Upper
 101 100
 85 41.9 33.4 50.2
 151 88.0 69.4 104.2



#10
 Methyl Iodide
 Concen: 19.246 ug/l
 RT: 3.94 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion:142 Resp: 74824
 Ion Ratio Lower Upper
 142 100
 127 37.3 31.0 46.4
 141 13.6 11.4 17.0



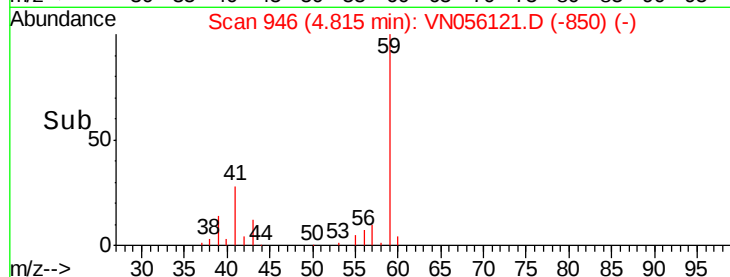
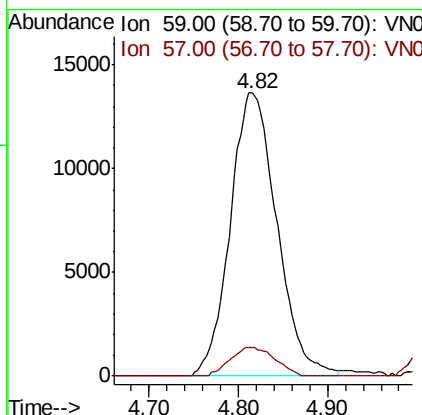
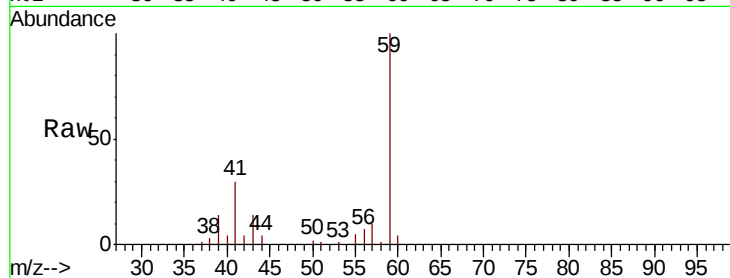


#11

Tert butyl alcohol
 Concen: 98.794 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

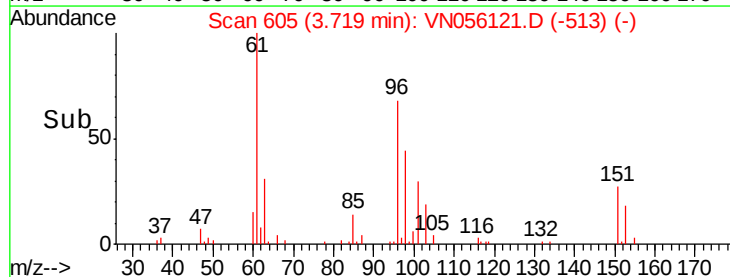
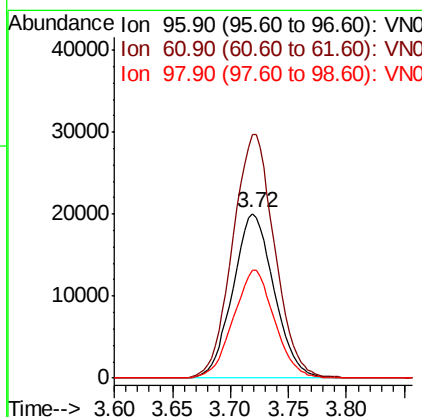
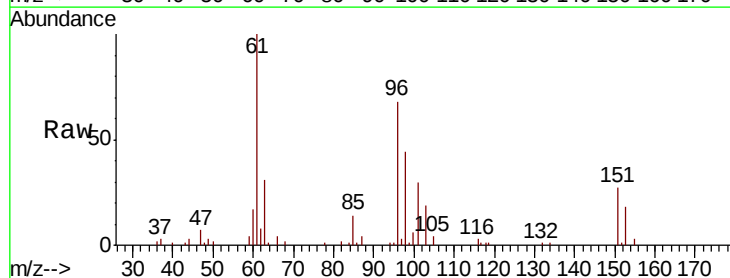
Tot Ion: 59 Resp: 49527
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.8 11.6

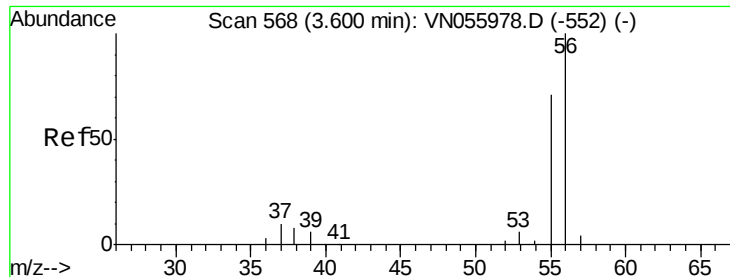


#12

1,1-Dichloroethene
 Concen: 20.328 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion: 96 Resp: 49511
 Ion Ratio Lower Upper
 96 100
 61 147.9 123.2 184.8
 98 65.7 50.4 75.6





#13

Acrolein

Concen: 75.057 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

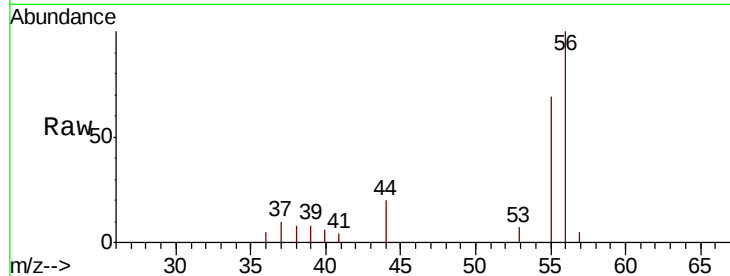
VN0608WBSD03

Tot Ion: 56 Resp: 10852

Ion Ratio Lower Upper

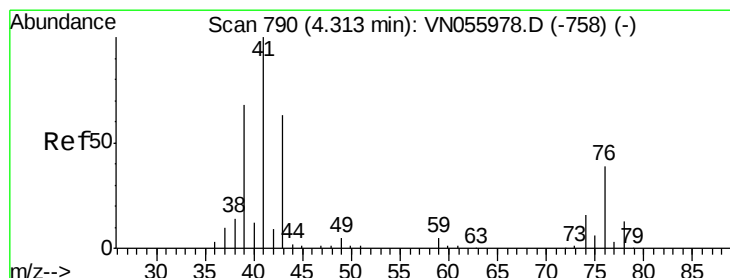
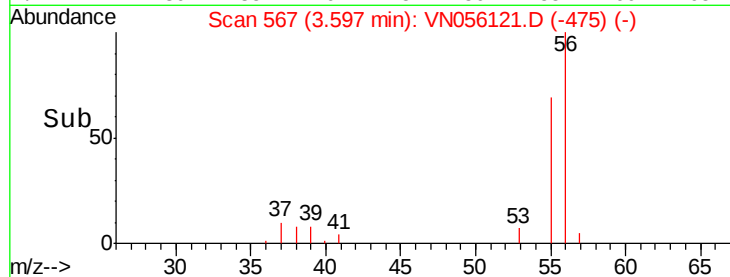
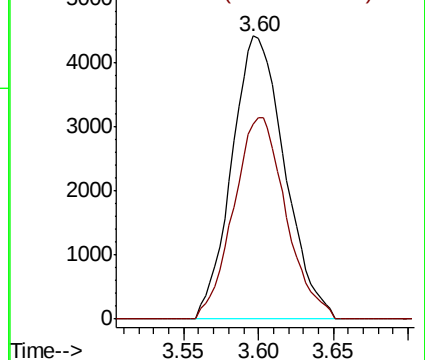
56 100

55 70.6 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.096 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

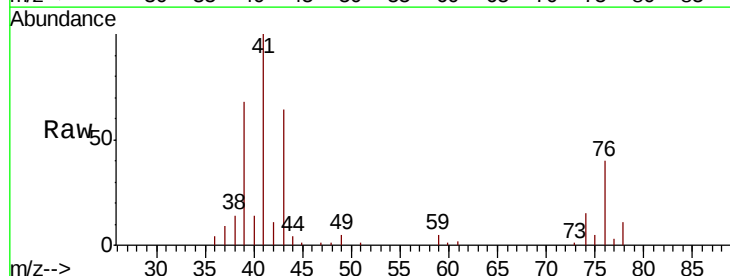
Tgt Ion: 41 Resp: 73443

Ion Ratio Lower Upper

41 100

39 62.6 50.0 75.0

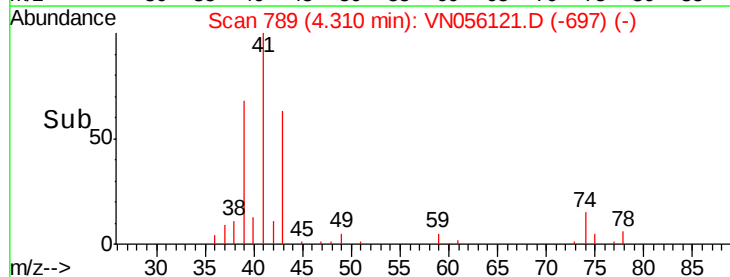
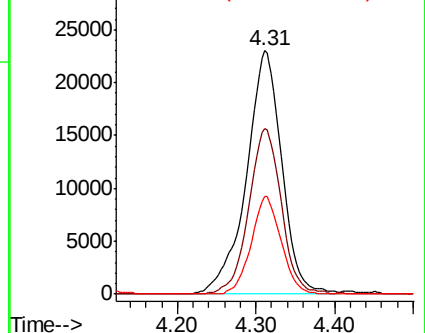
76 33.9 28.2 42.2

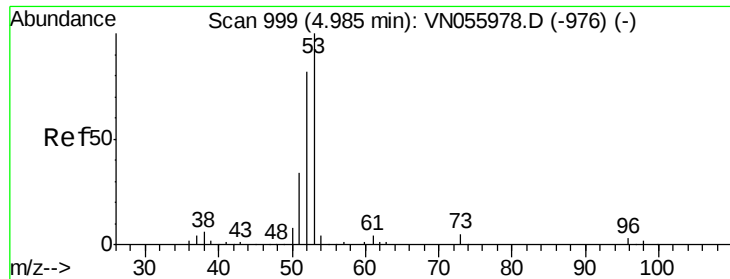


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 114.845 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

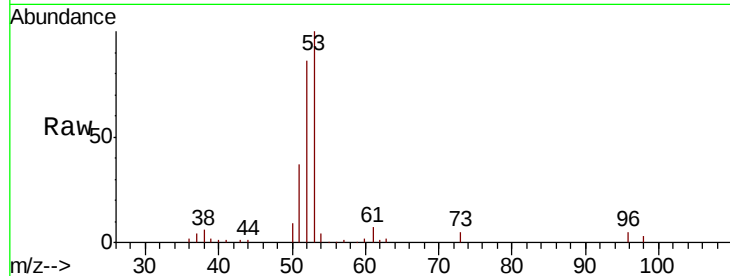
Tot Ion: 53 Resp: 140150

Ion Ratio Lower Upper

53 100

52 82.6 65.8 98.8

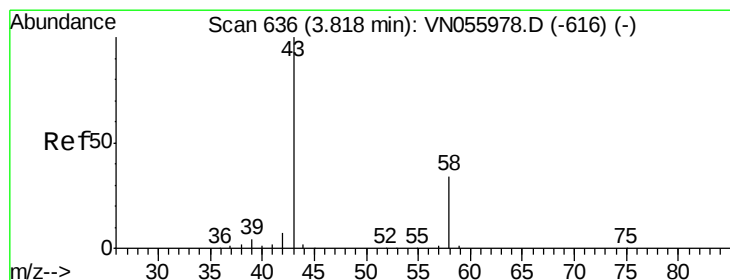
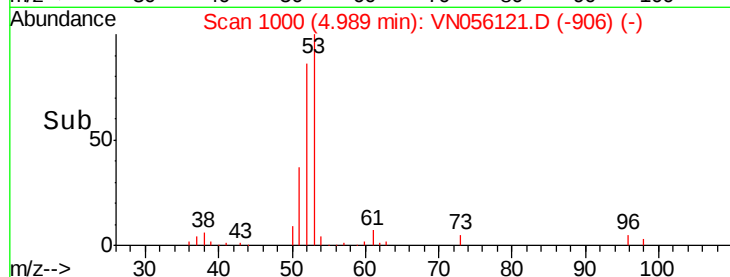
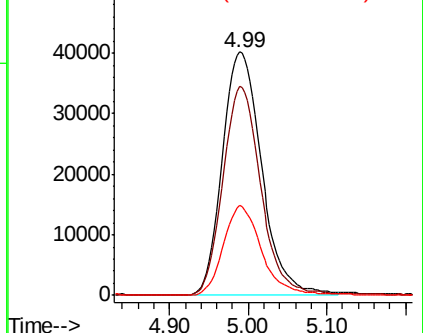
51 35.8 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 84.083 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056121.D

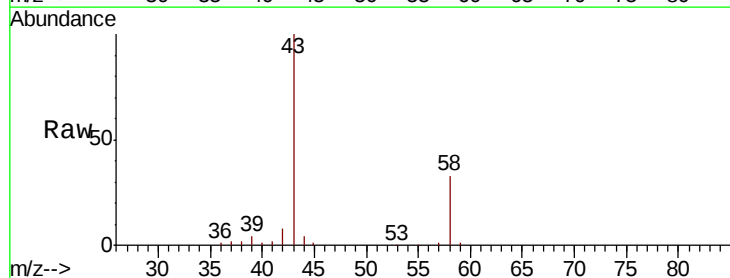
Acq: 8 Jun 2019 00:46

Tgt Ion: 43 Resp: 115847

Ion Ratio Lower Upper

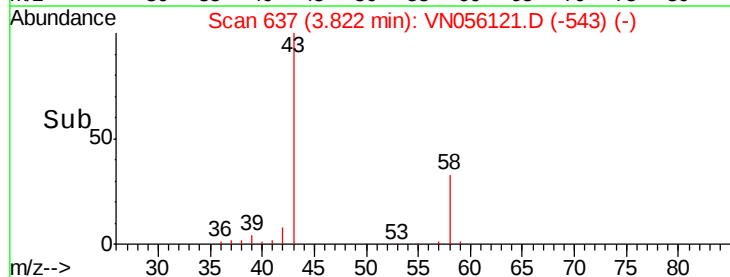
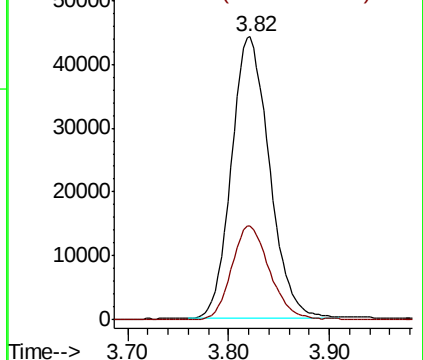
43 100

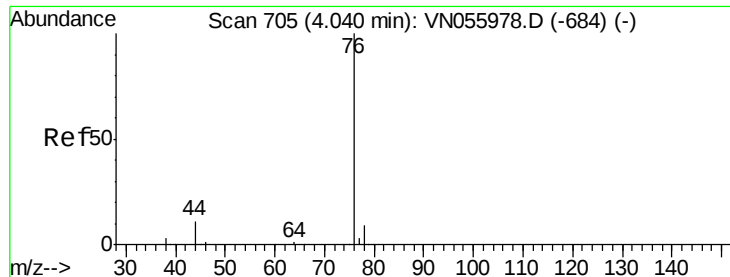
58 33.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

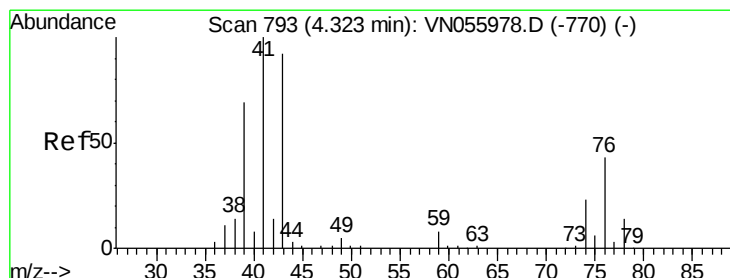
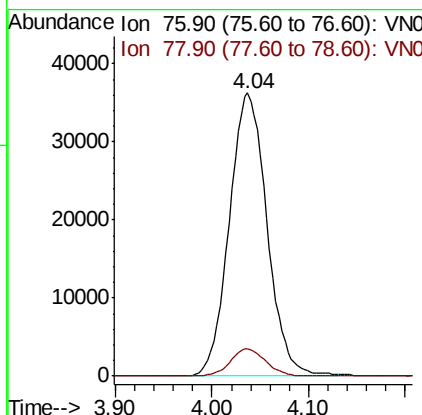
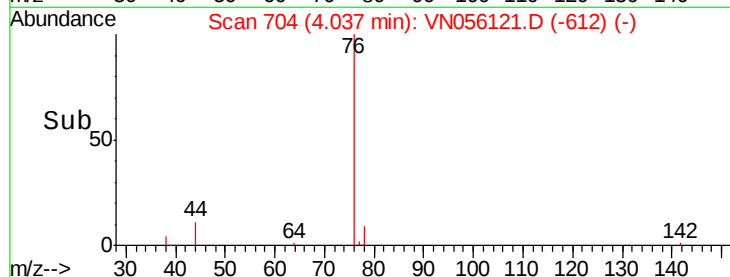
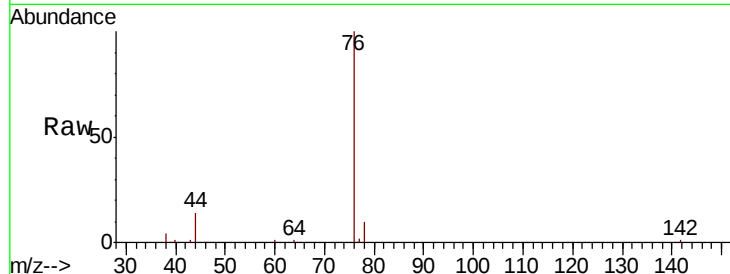




#17
Carbon Disulfide
Concen: 16.827 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

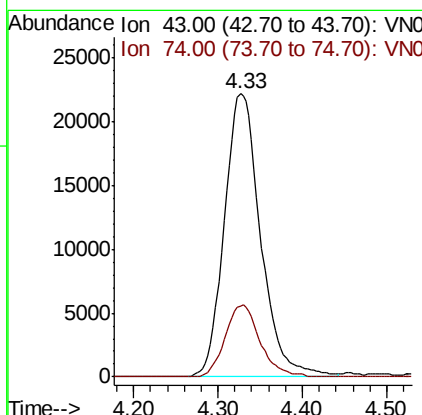
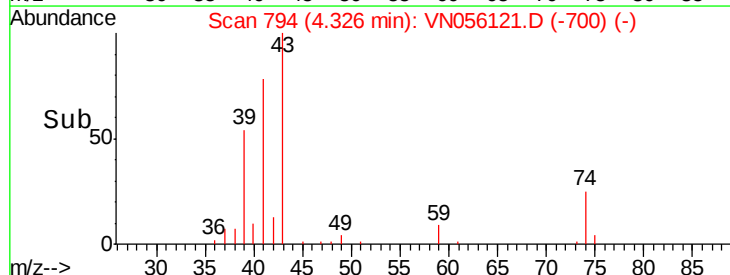
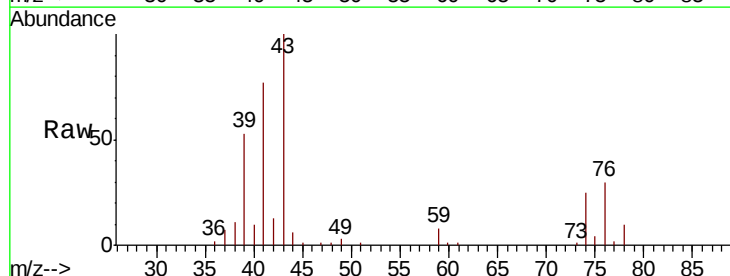
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion: 76 Resp: 98130
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2



#18
Methyl Acetate
Concen: 24.225 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 43 Resp: 66369
Ion Ratio Lower Upper
43 100
74 24.4 19.3 28.9

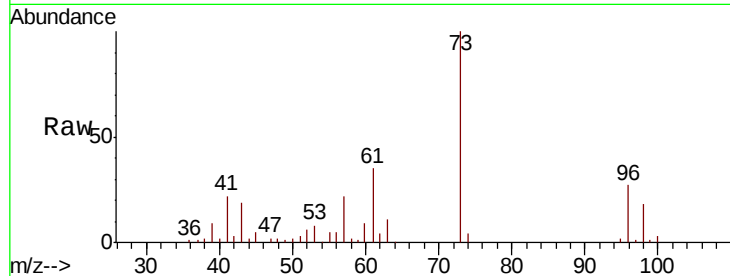




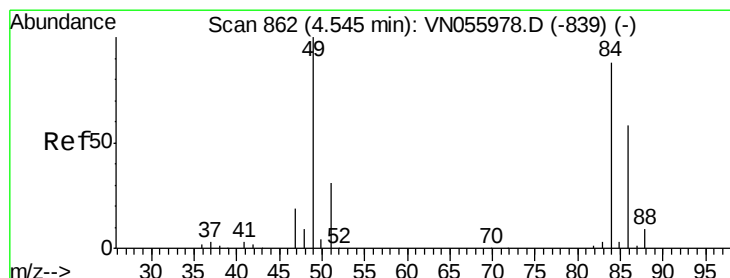
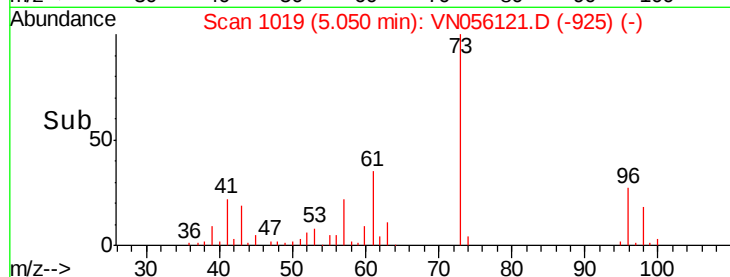
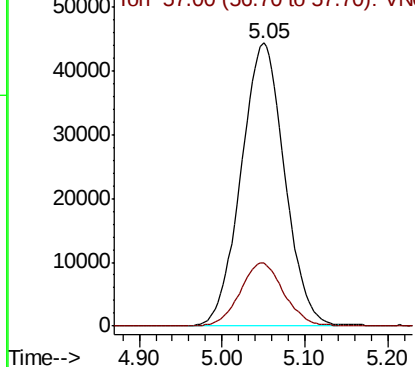
#19
Methvl tert-butvl Ether
Concen: 20.833 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion: 73 Resp: 161736
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8

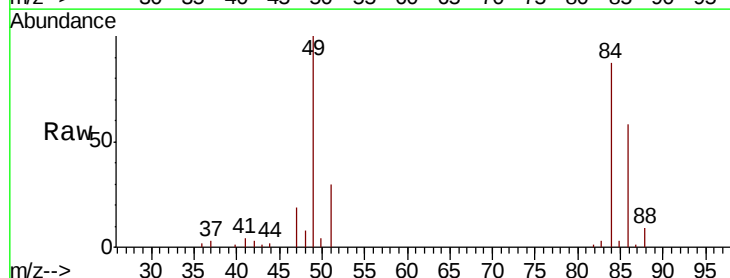


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

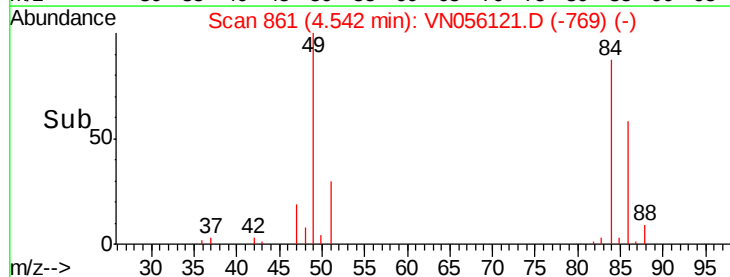
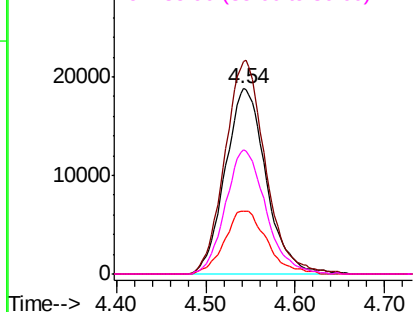


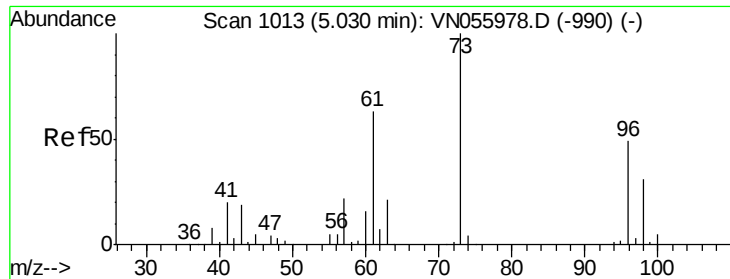
#20
Methylene Chloride
Concen: 21.073 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 84 Resp: 59816
Ion Ratio Lower Upper
84 100
49 114.8 93.5 140.3
51 33.9 28.6 43.0
86 67.1 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

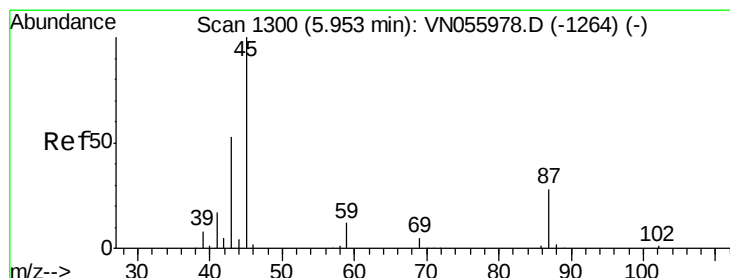
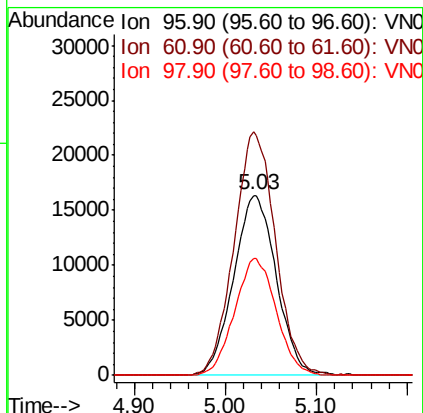
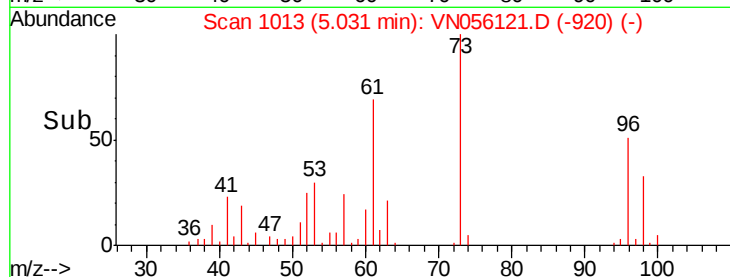
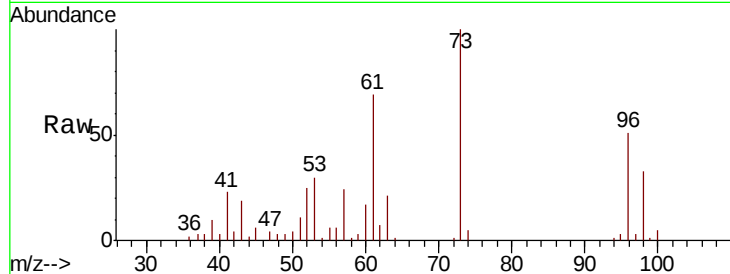




#21
trans-1,2-Dichloroethene
Concen: 20.420 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

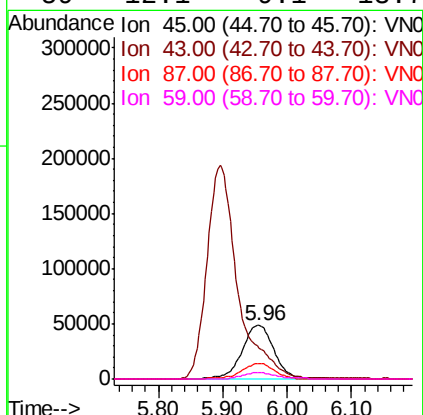
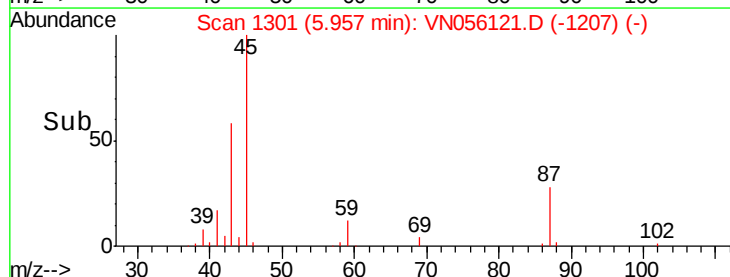
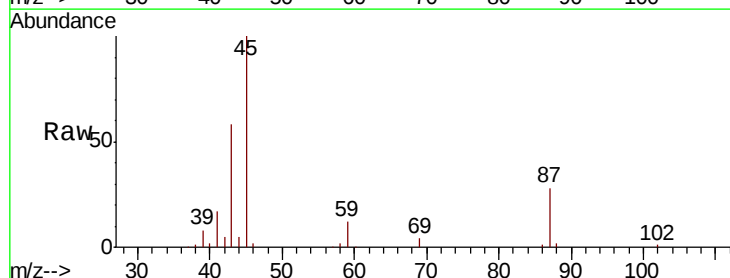
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

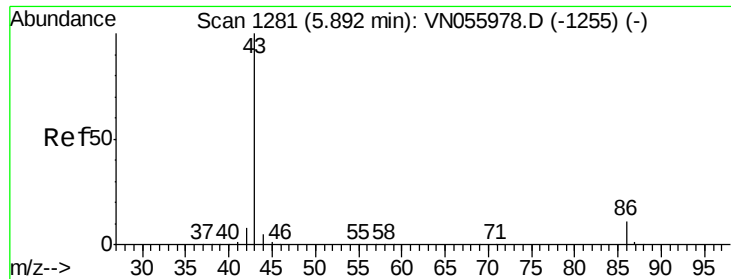
Tot Ion: 96 Resp: 53290
Ion Ratio Lower Upper
96 100
61 135.3 107.8 161.8
98 64.9 49.8 74.8



#22
Diisopropyl ether
Concen: 21.288 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 45 Resp: 169244
Ion Ratio Lower Upper
45 100
43 56.5 45.0 67.6
87 27.8 22.2 33.4
59 12.1 9.1 13.7





#23

Vinyl Acetate

Concen: 103.166 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

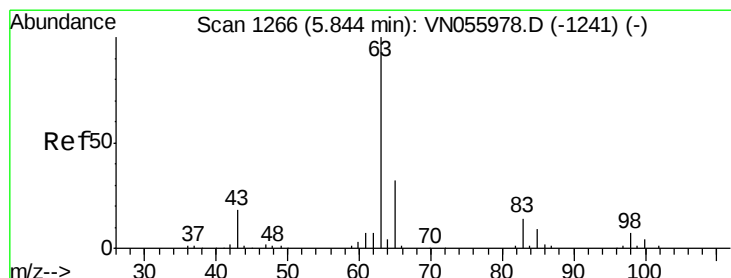
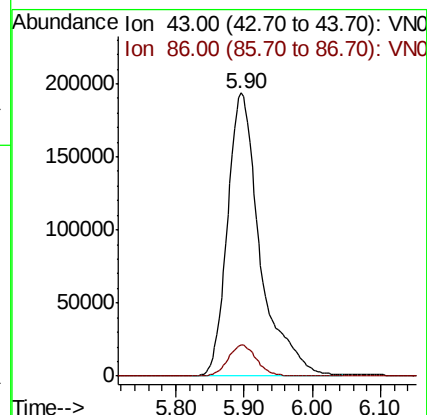
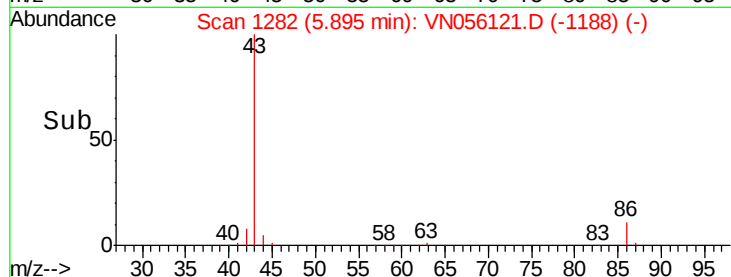
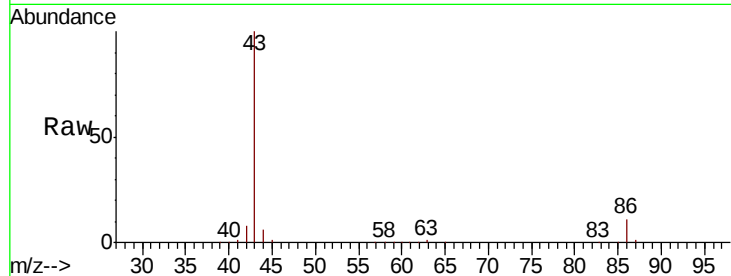
VN0608WBSD03

Tot Ion: 43 Resp: 645896

Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



#24

1,1-Dichloroethane

Concen: 21.058 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

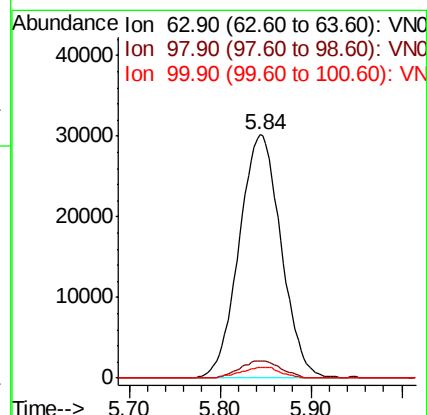
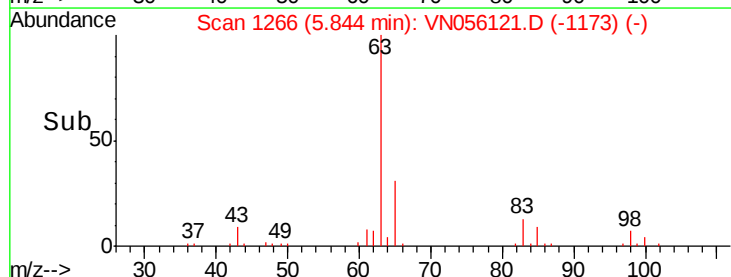
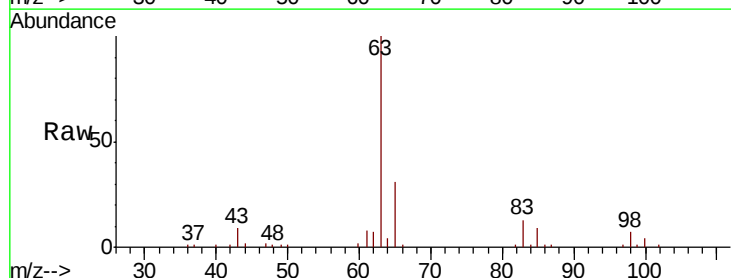
Tgt Ion: 63 Resp: 96571

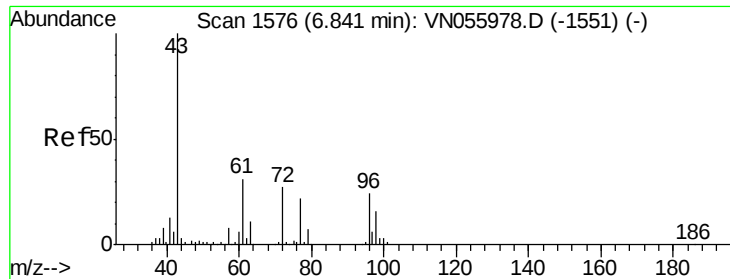
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

100 4.3 2.2 6.6

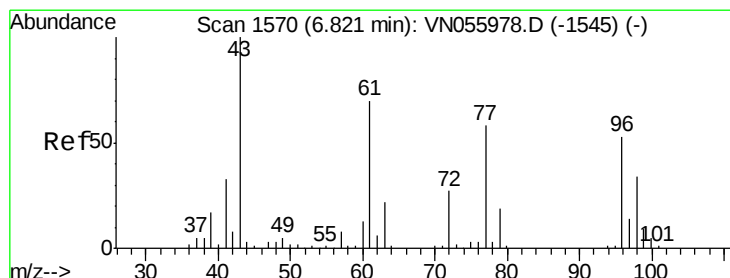
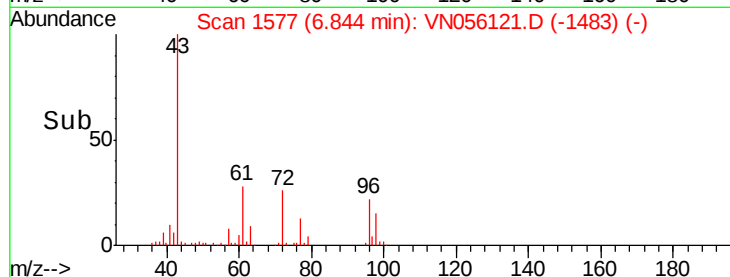
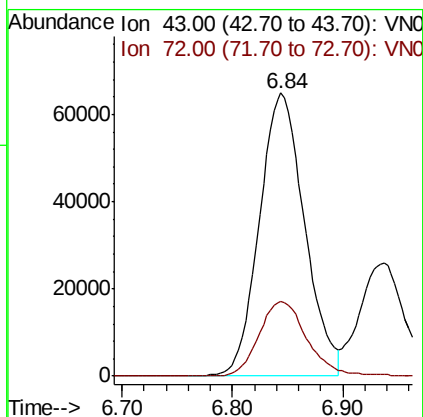
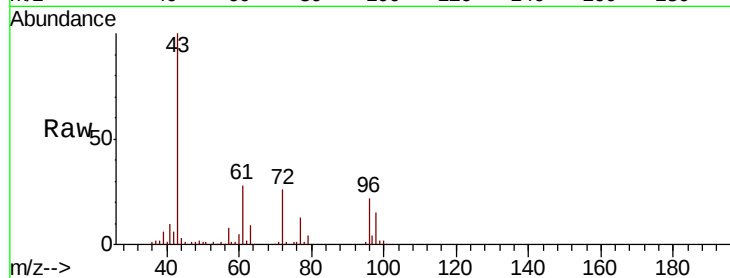




#25
2-Butanone
Concen: 105.956 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

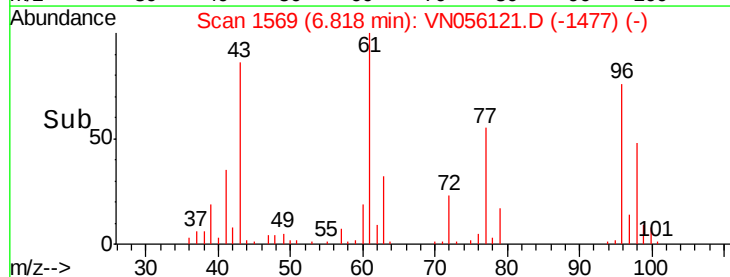
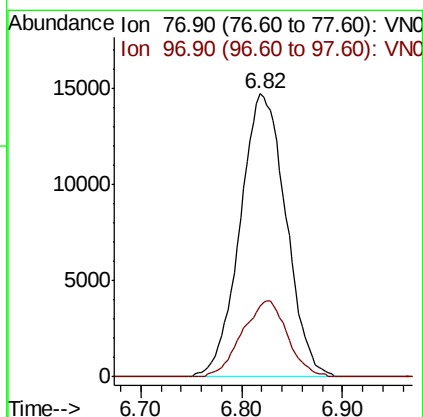
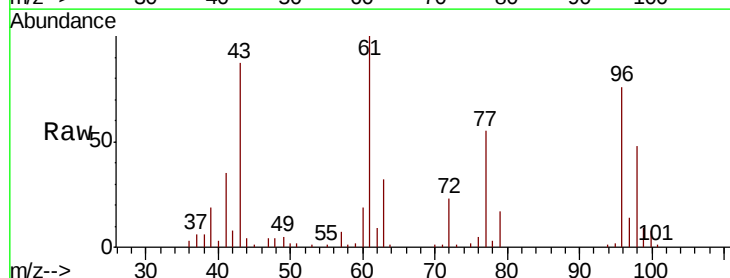
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion: 43 Resp: 184445
Ion Ratio Lower Upper
43 100
72 26.3 21.9 32.9



#26
2,2-Dichloropropane
Concen: 13.001 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 77 Resp: 46525
Ion Ratio Lower Upper
77 100
97 26.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.821 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

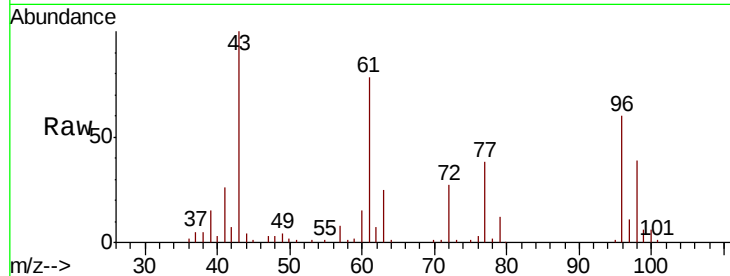
Tot Ion: 96 Resp: 63869

Ion Ratio Lower Upper

96 100

61 129.6 0.0 275.8

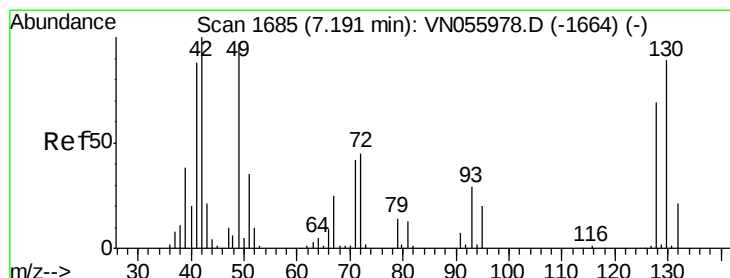
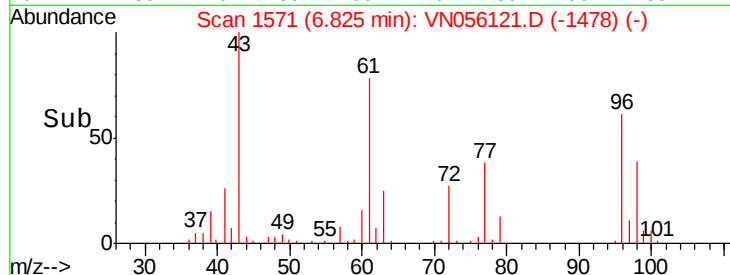
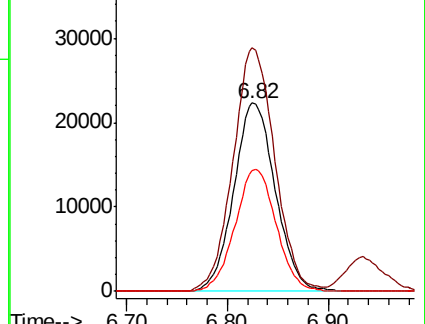
98 64.1 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.193 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

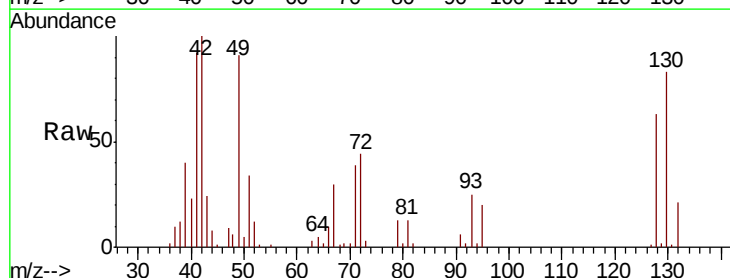
Tgt Ion: 49 Resp: 43792

Ion Ratio Lower Upper

49 100

129 0.8 0.0 4.4

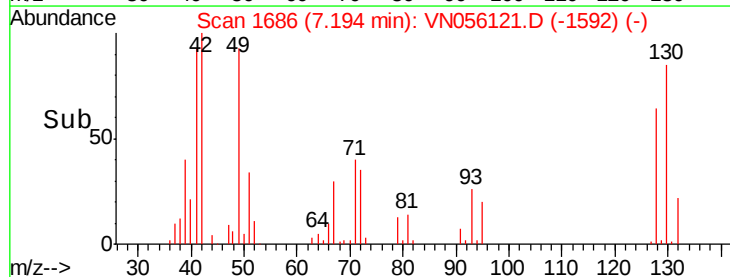
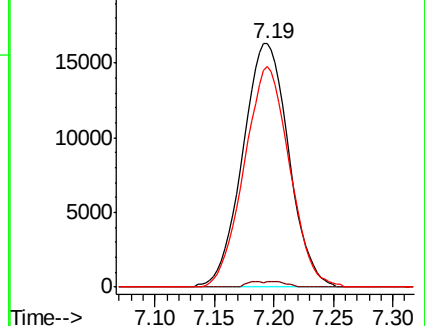
130 89.0 71.2 106.8

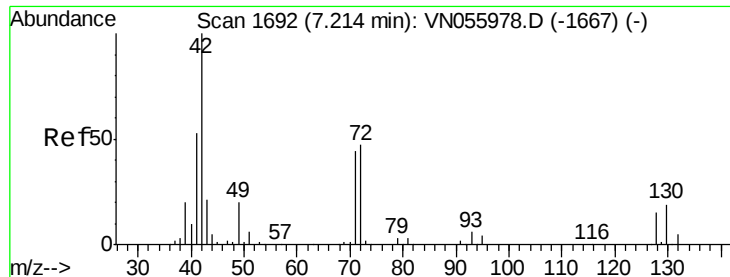


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

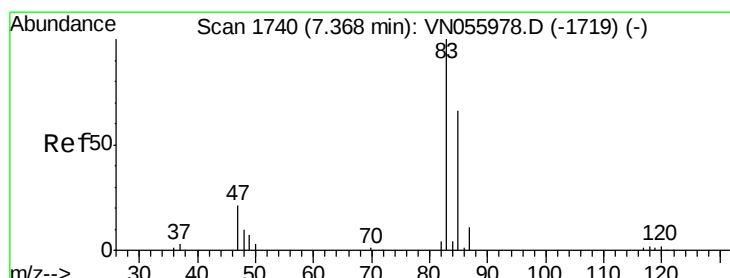
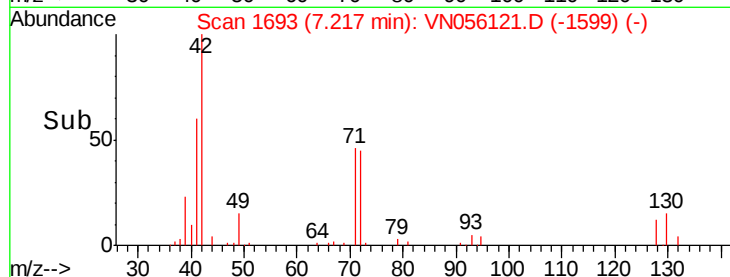
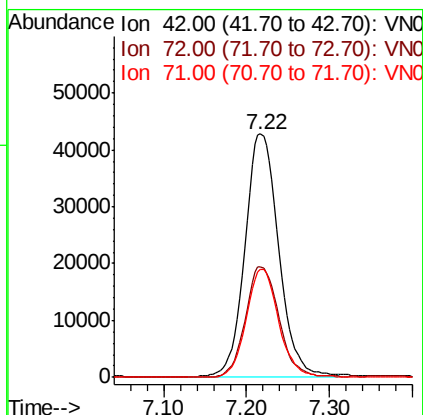
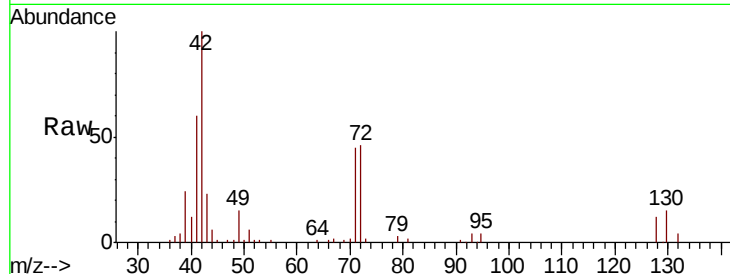




#29
Tetrahydrofuran
Concen: 113.144 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

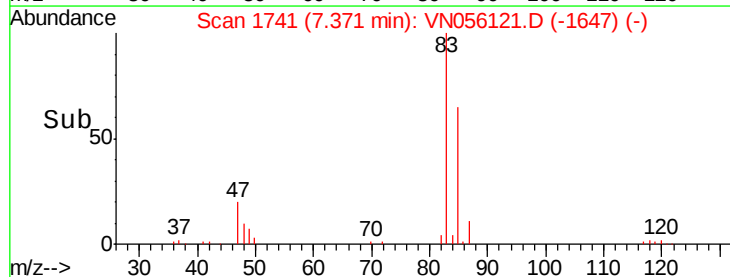
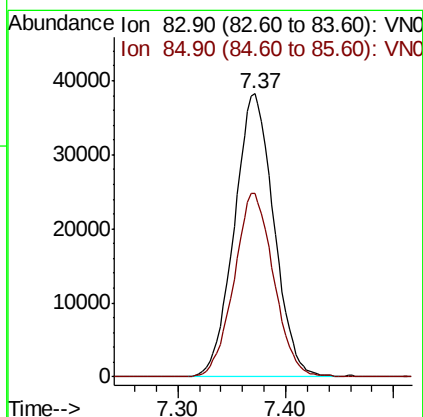
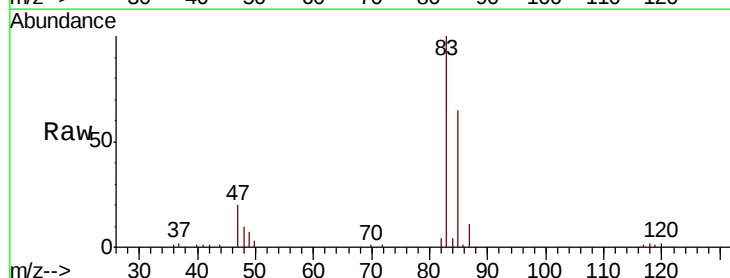
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

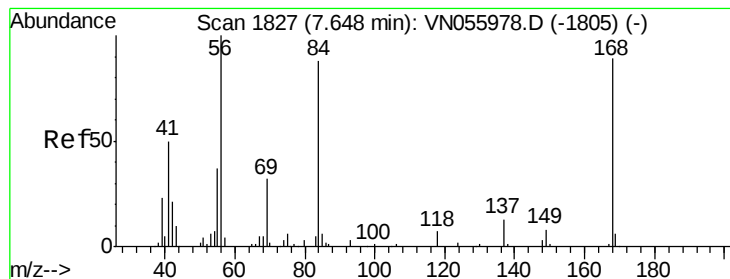
Tot Ion: 42 Resp: 121748
Ion Ratio Lower Upper
42 100
72 44.9 35.9 53.9
71 42.5 34.0 51.0



#30
Chloroform
Concen: 21.118 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 83 Resp: 97424
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.8





#31

Cyclohexane

Concen: 19.790 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

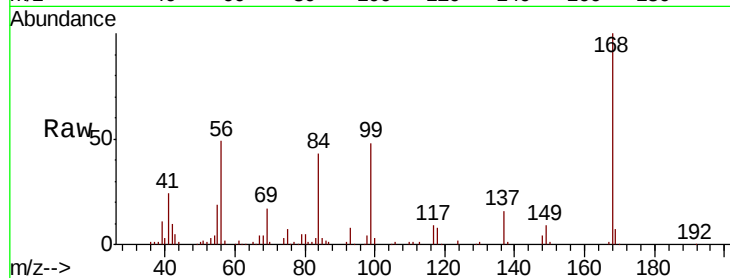
Tot Ion: 56 Resp: 90464

Ion Ratio Lower Upper

56 100

69 36.0 25.6 38.4

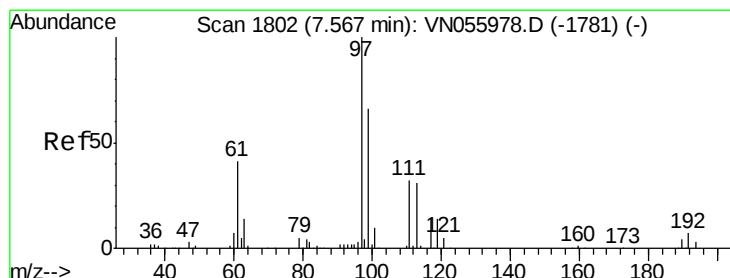
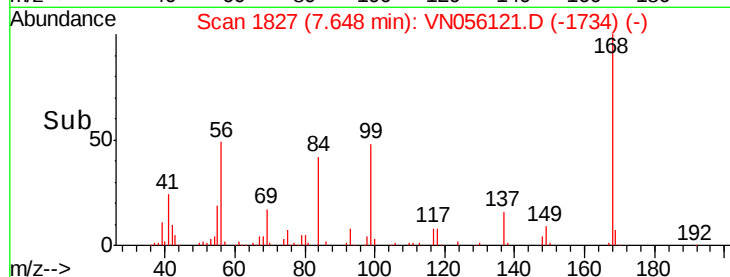
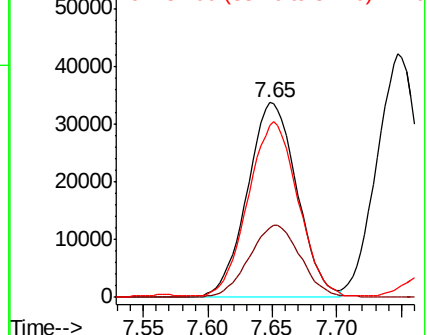
84 87.1 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.952 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

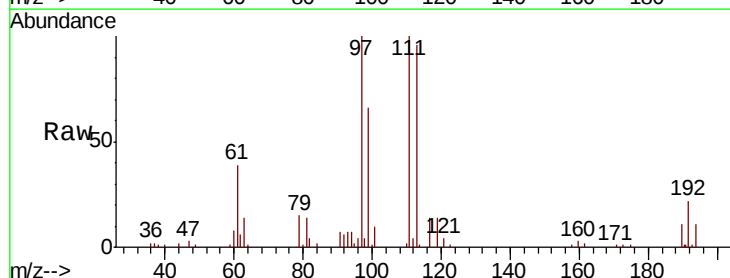
Tgt Ion: 97 Resp: 76863

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

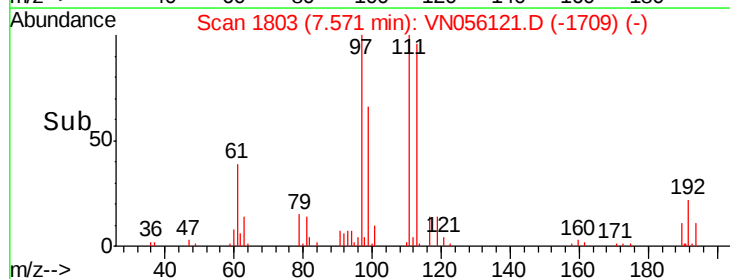
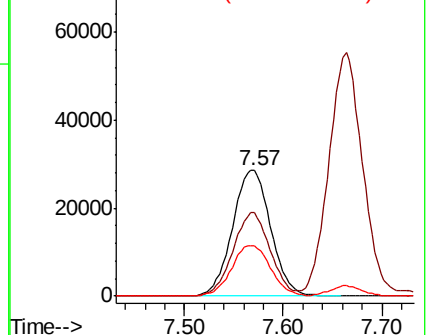
61 41.2 32.9 49.3

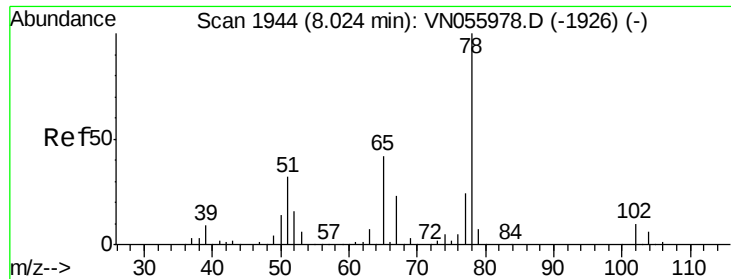


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

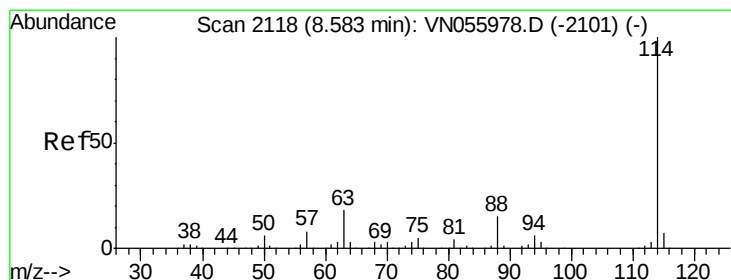
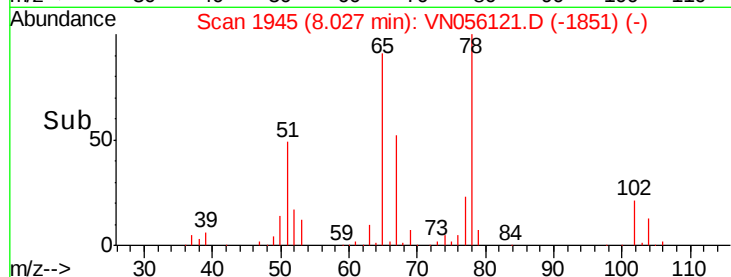
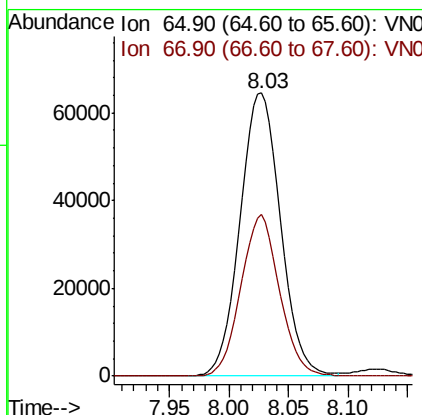
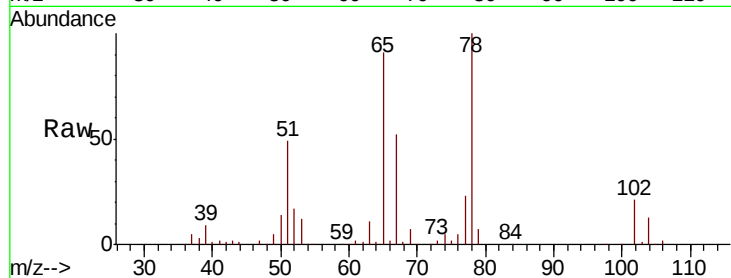




#33
 1,2-Dichloroethane-d4
 Concen: 52.808 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

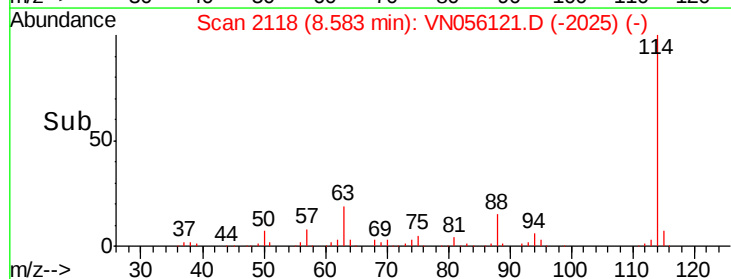
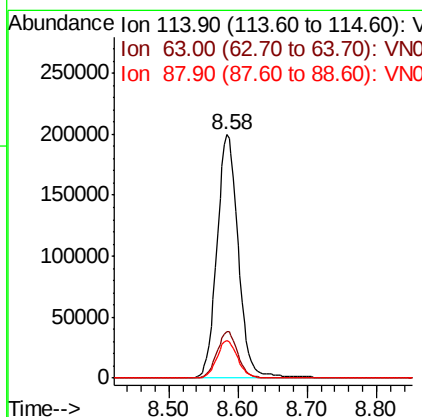
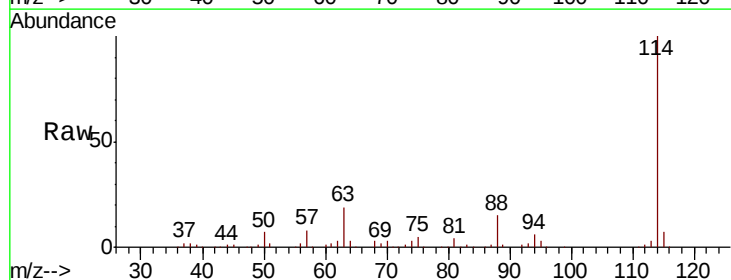
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

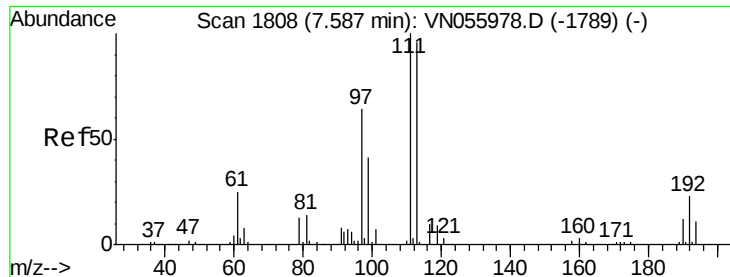
Tot Ion: 65 Resp: 152128
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion: 114 Resp: 427959
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.3 0.0 31.0

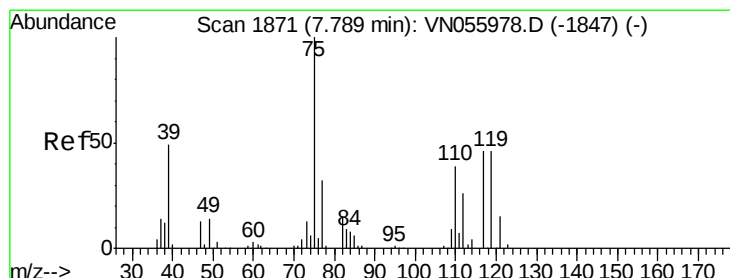
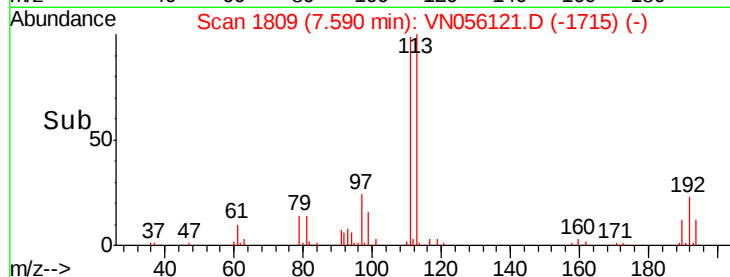
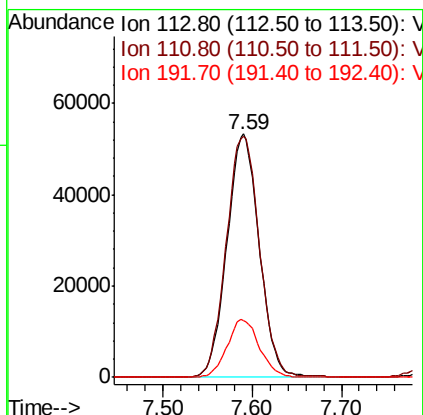
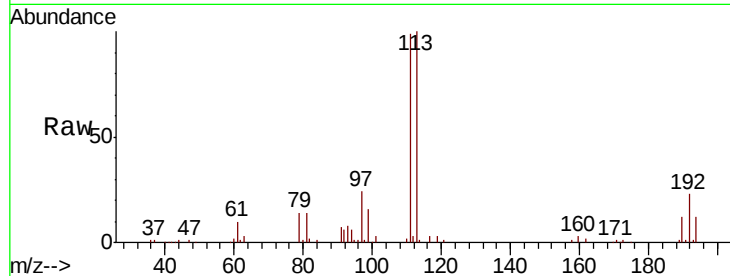




#35
 Dibromofluoromethane
 Concen: 50.887 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

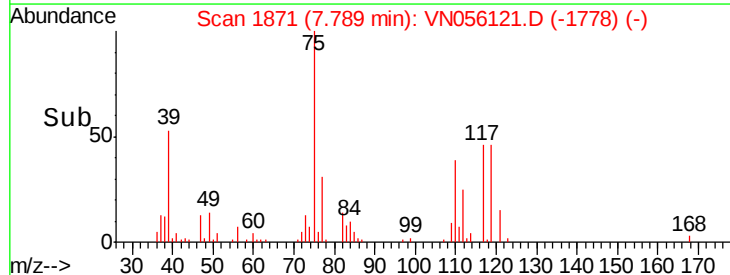
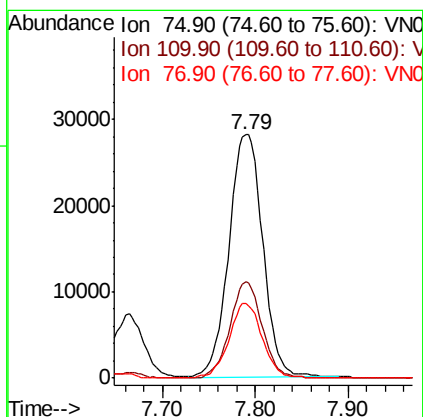
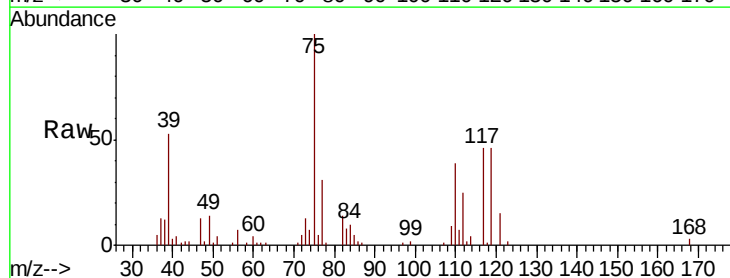
Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBSD03

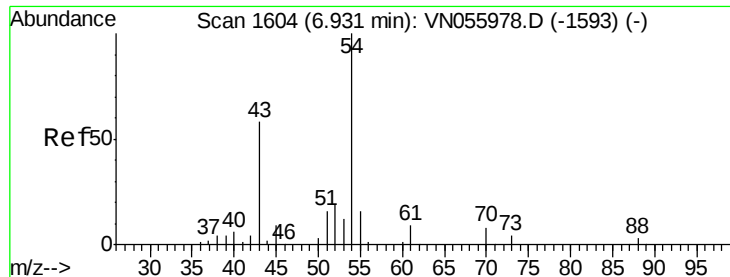
Tot Ion:113 Resp: 133612
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.9 122.9
 192 23.7 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 19.396 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion: 75 Resp: 71376
 Ion Ratio Lower Upper
 75 100
 110 37.6 19.0 57.0
 77 30.2 25.1 37.7

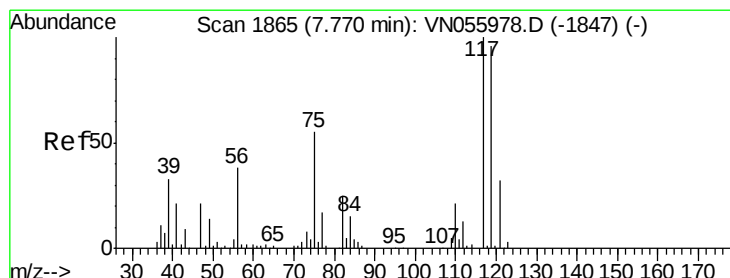
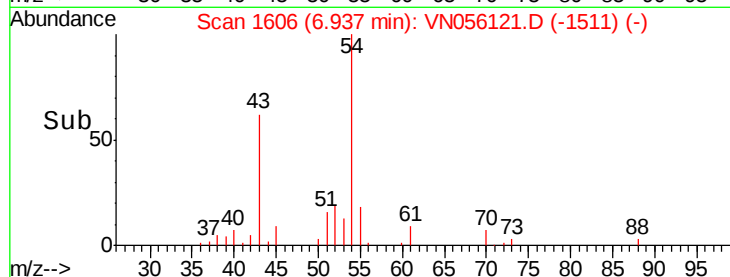
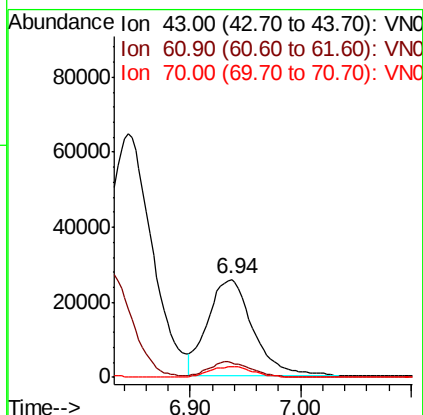
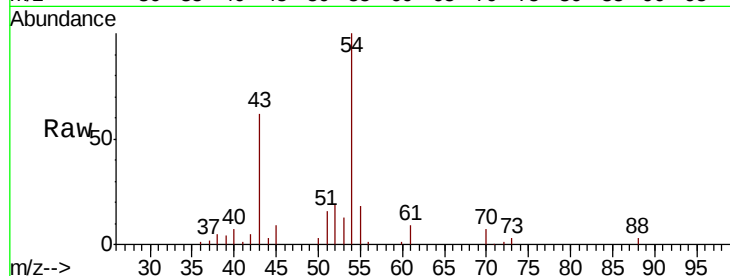




#37
Ethyl Acetate
Concen: 22.296 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

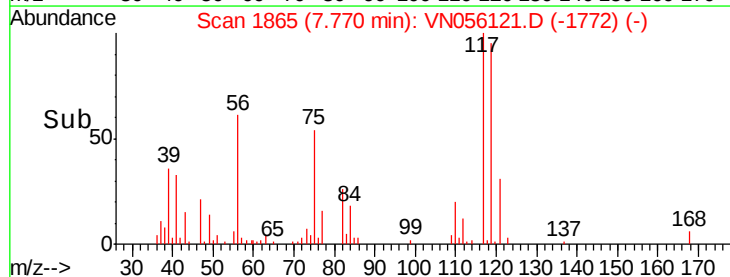
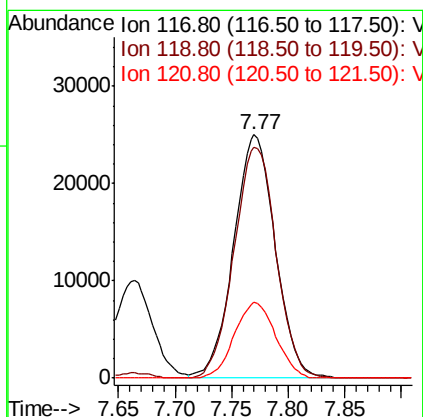
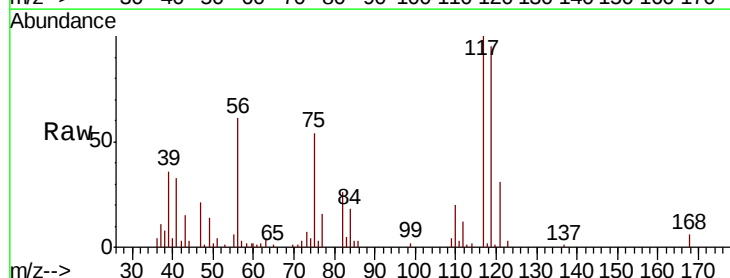
Instrument :
MSVOA_N
ClientSampled :
VN0608WBSD03

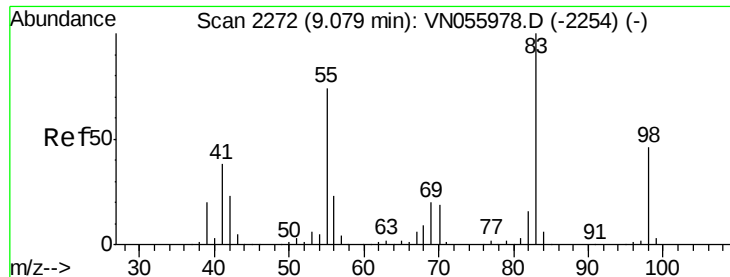
Tot Ion: 43 Resp: 73001
Ion Ratio Lower Upper
43 100
61 15.1 12.2 18.2
70 10.8 8.9 13.3



#38
Carbon Tetrachloride
Concen: 18.850 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 117 Resp: 63951
Ion Ratio Lower Upper
117 100
119 95.0 79.0 118.6
121 31.4 24.7 37.1

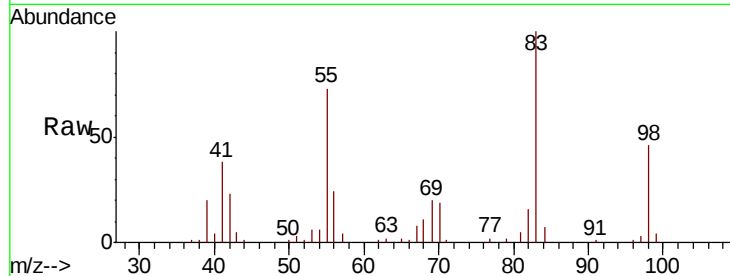




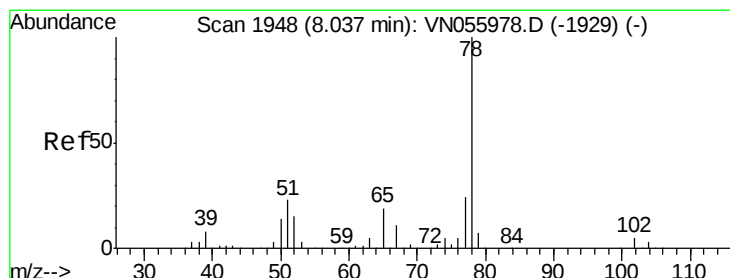
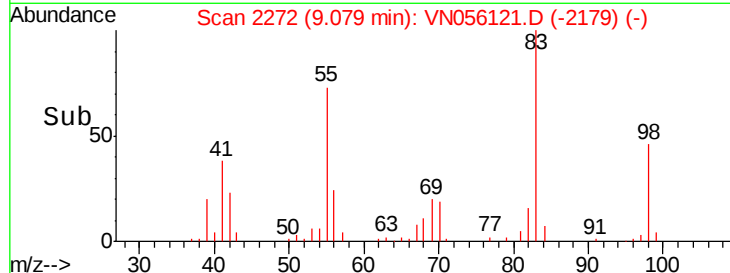
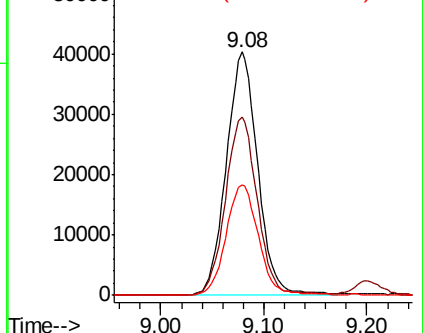
#39
Methvlcvclohexane
Concen: 18.706 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion: 83 Resp: 85750
Ion Ratio Lower Upper
83 100
55 73.3 59.3 88.9
98 45.5 36.6 54.8

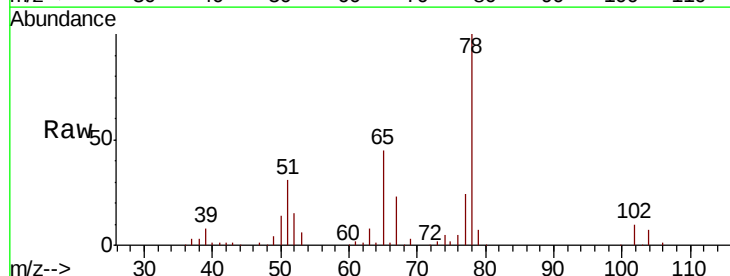


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

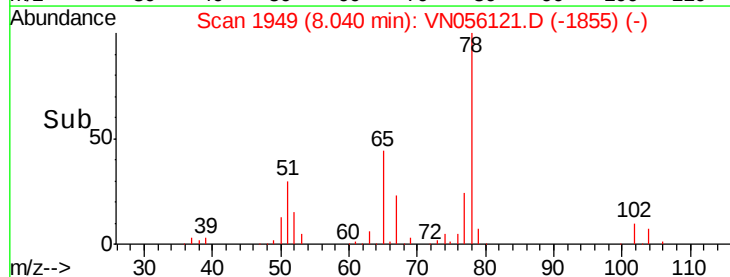
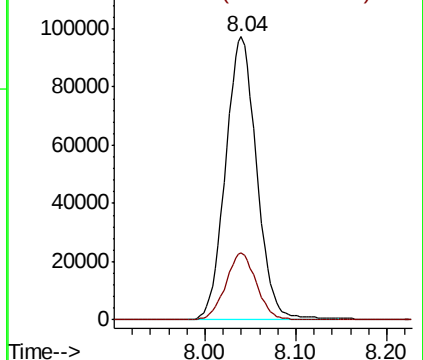


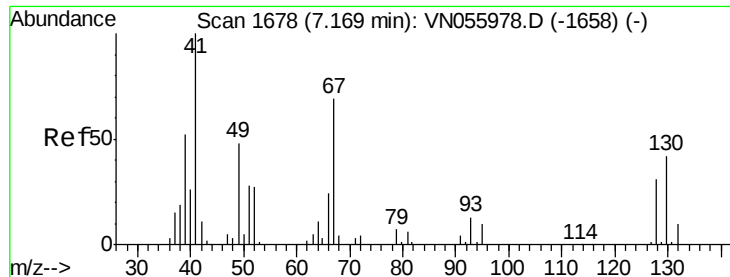
#40
Benzene
Concen: 20.688 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 78 Resp: 231217
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

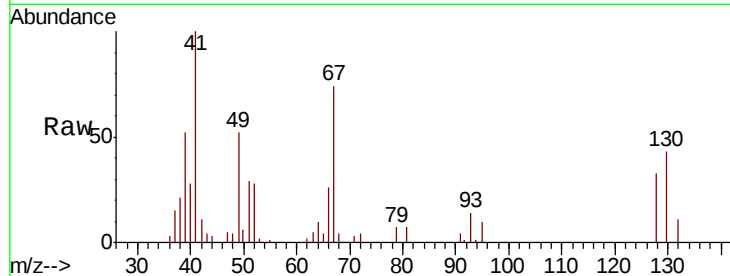




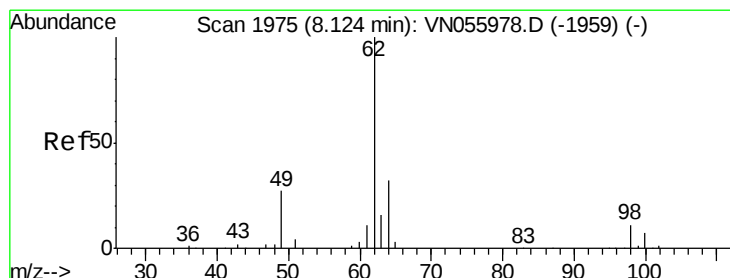
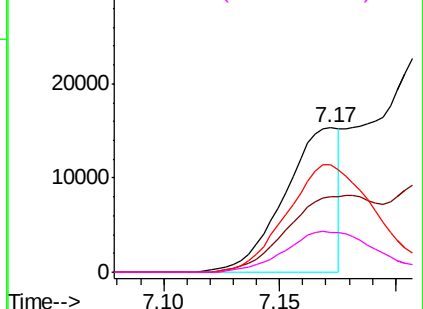
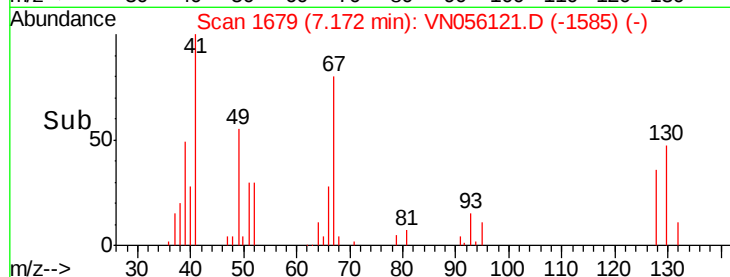
#41
Methacrylonitrile
Concen: 16.590 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampled :
VN0608WBSD03

Tot Ion: 41 Resp: 24992
Ion Ratio Lower Upper
41 100
39 87.0 45.6 68.4#
67 123.8 67.7 101.5#
52 48.9 26.6 40.0#

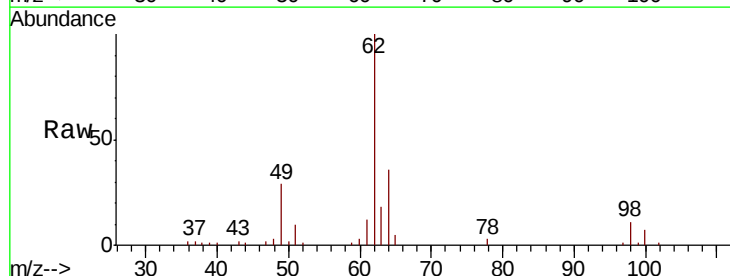


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

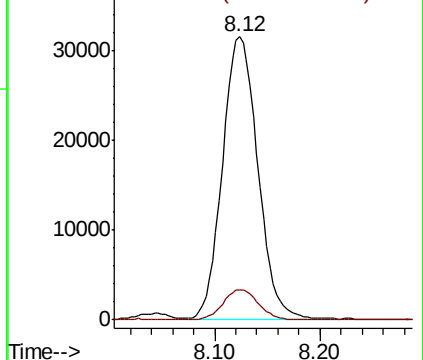
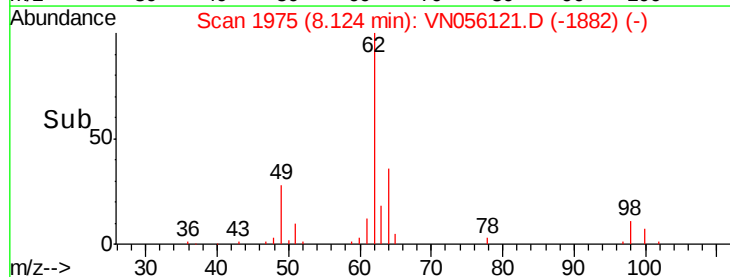


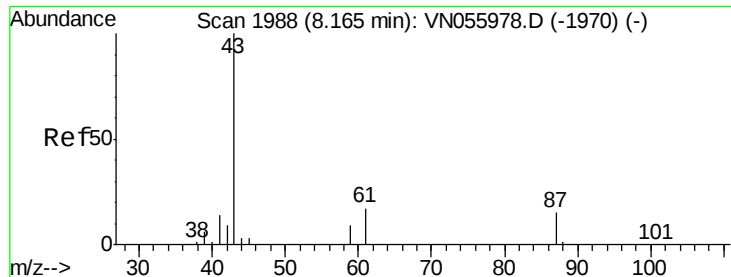
#42
1,2-Dichloroethane
Concen: 20.525 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 62 Resp: 73789
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 20.530 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

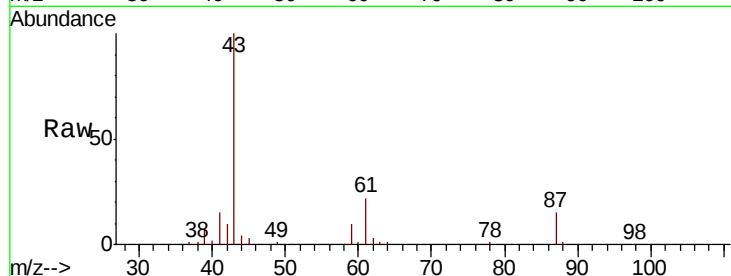
Tot Ion: 43 Resp: 108927

Ion Ratio Lower Upper

43 100

61 21.5 22.2 33.4#

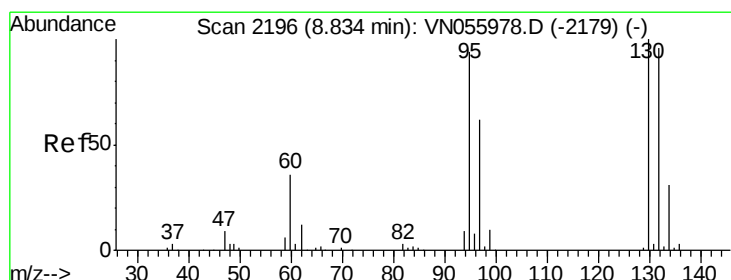
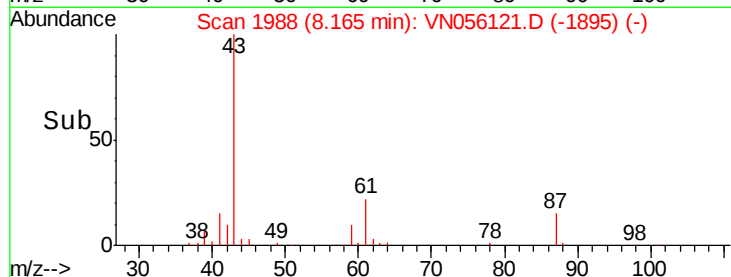
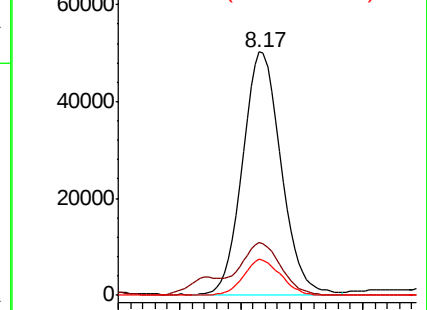
87 14.3 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 19.638 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056121.D

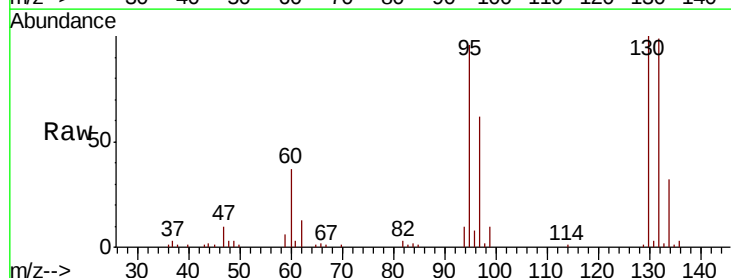
Acq: 8 Jun 2019 00:46

Tgt Ion:130 Resp: 63069

Ion Ratio Lower Upper

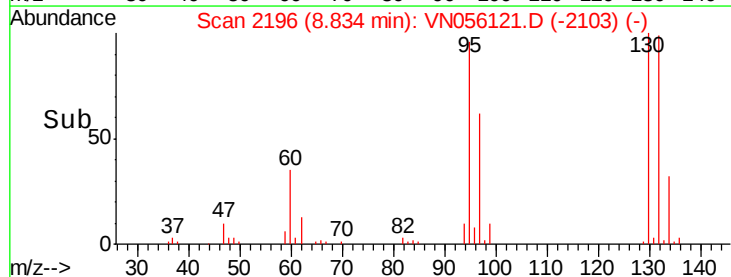
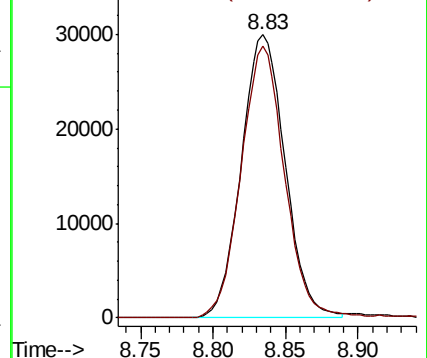
130 100

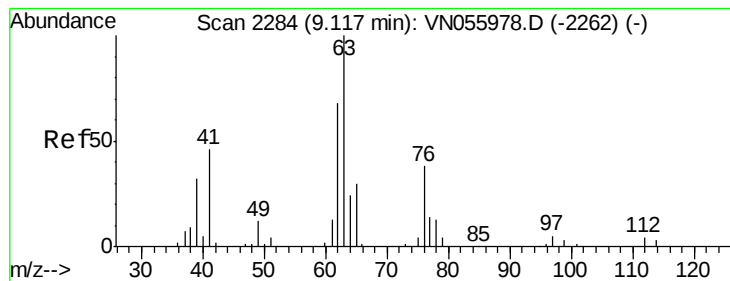
95 95.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 20.680 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

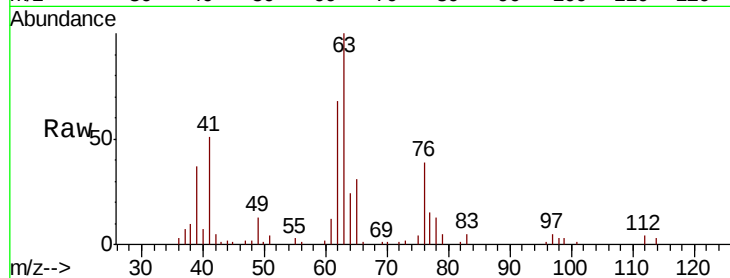
VN0608WBSD03

Tot Ion: 63 Resp: 59201

Ion Ratio Lower Upper

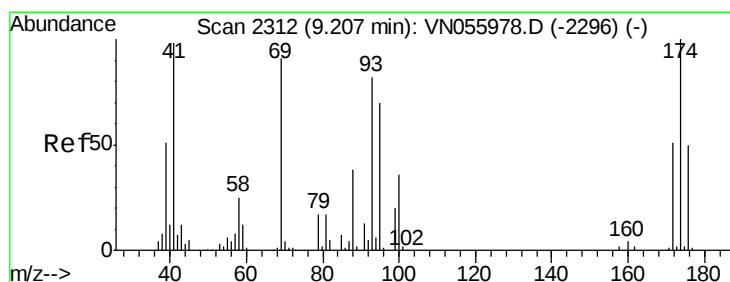
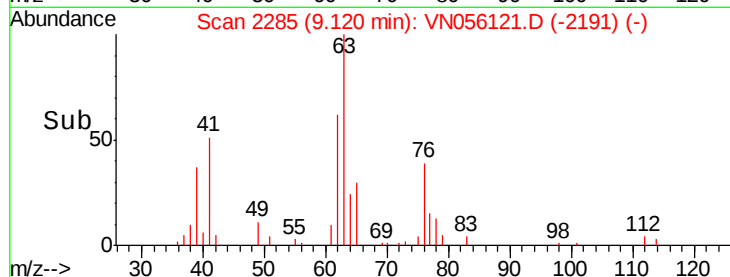
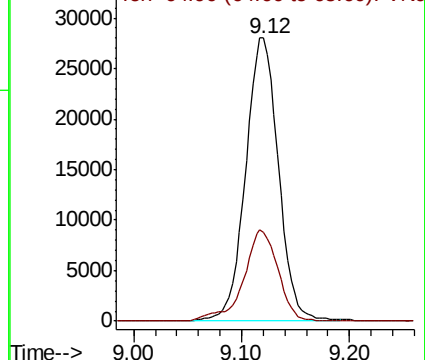
63 100

65 31.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.798 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

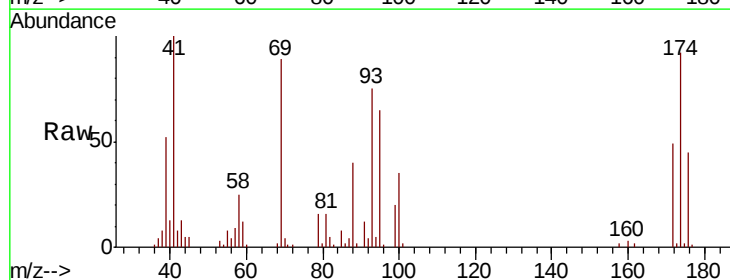
Tgt Ion: 93 Resp: 38935

Ion Ratio Lower Upper

93 100

95 84.3 66.7 100.1

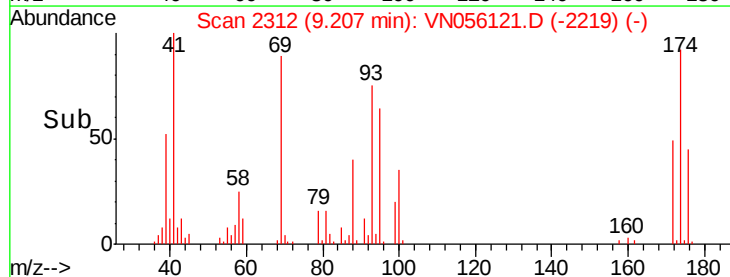
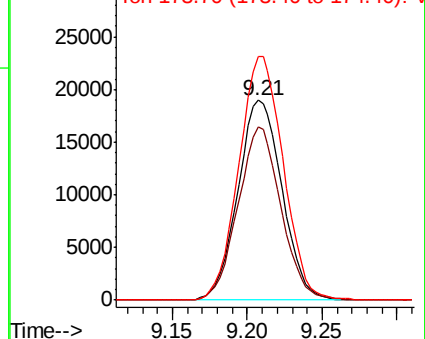
174 123.0 96.4 144.6

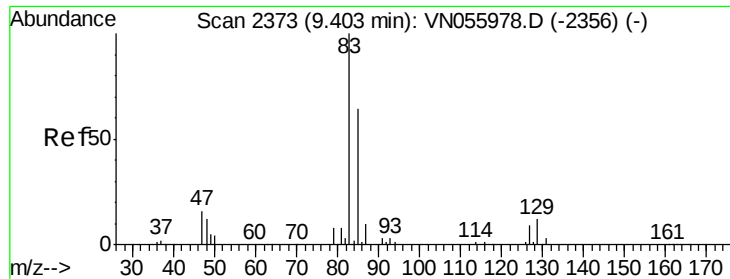


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.545 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

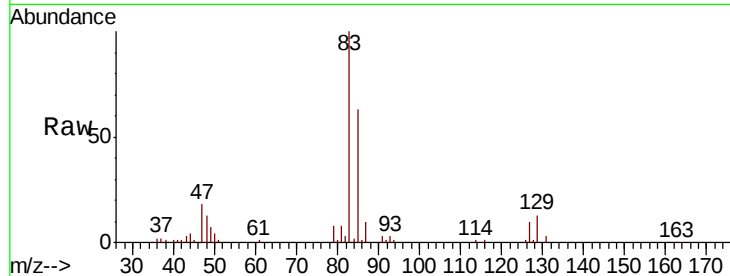
Tot Ion: 83 Resp: 66314

Ion Ratio Lower Upper

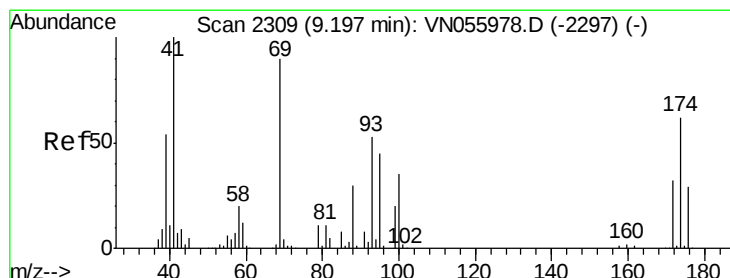
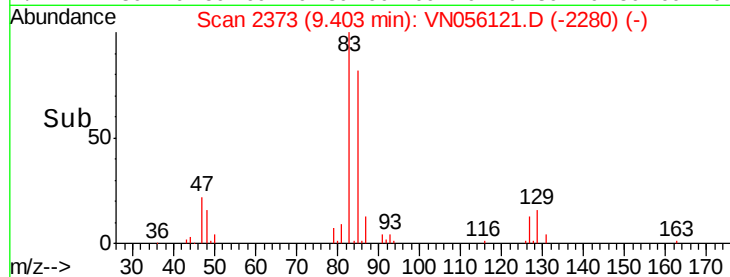
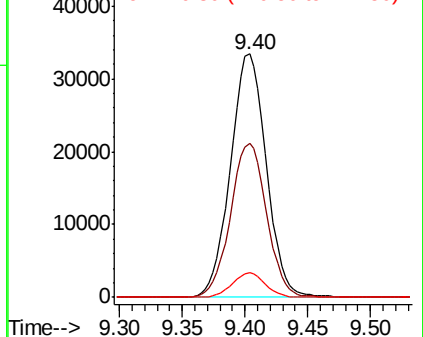
83 100

85 63.3 52.2 78.2

127 10.1 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.350 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

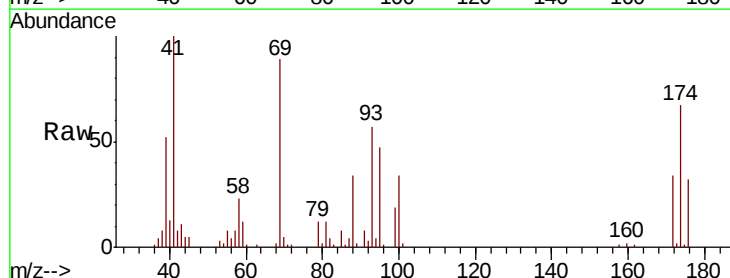
Tgt Ion: 41 Resp: 55417

Ion Ratio Lower Upper

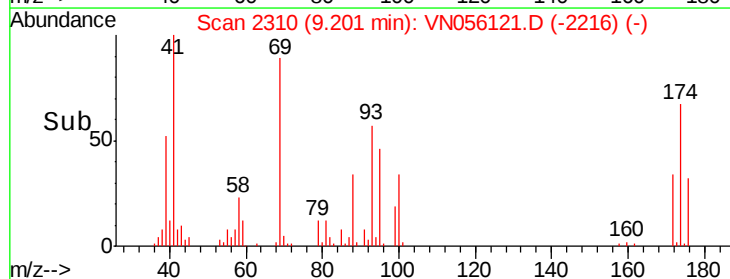
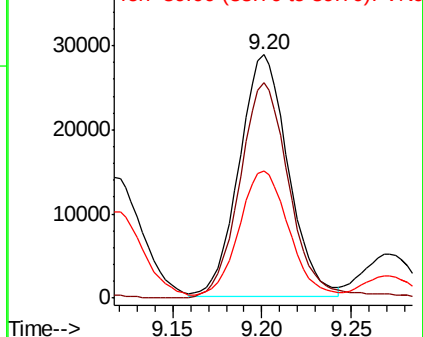
41 100

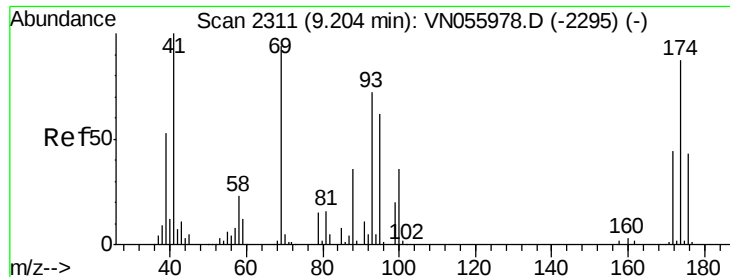
69 89.8 71.0 106.6

39 53.8 44.2 66.2



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





#49

1,4-Dioxane

Concen: 443.467 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

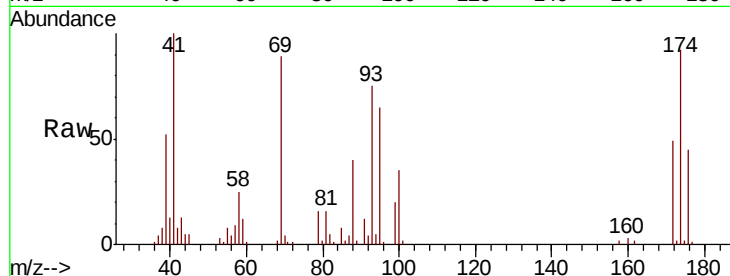
MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion: 88 Resp: 24851

Ion	Ratio	Lower	Upper
88	100		
43	26.4	20.5	30.7
58	69.3	55.8	83.6

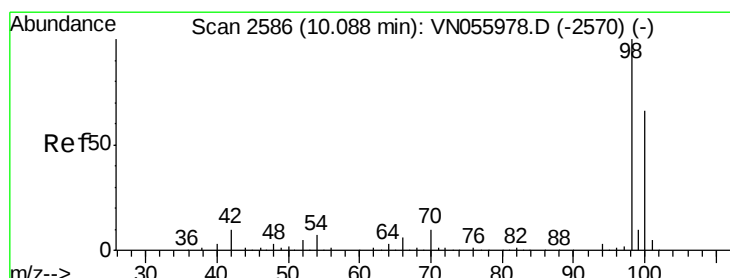
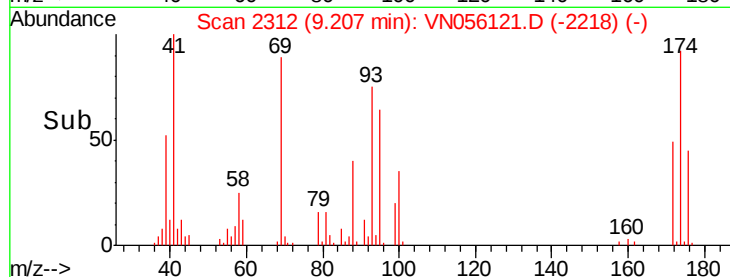
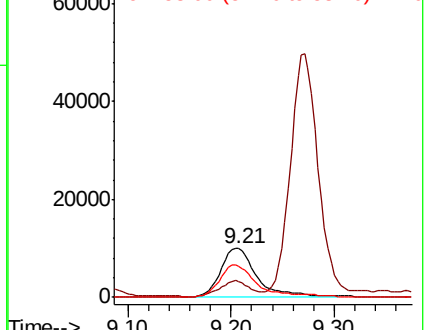


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.728 ug/l

RT: 10.09 min Scan# 2586

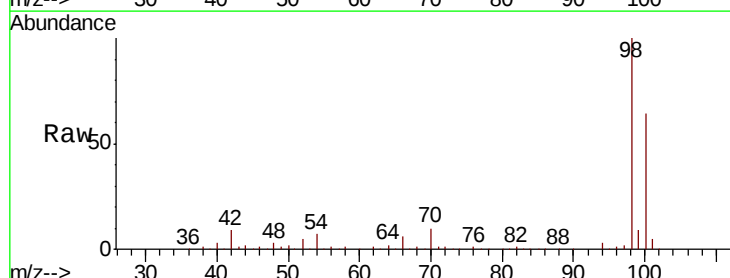
Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Tgt Ion: 98 Resp: 512530

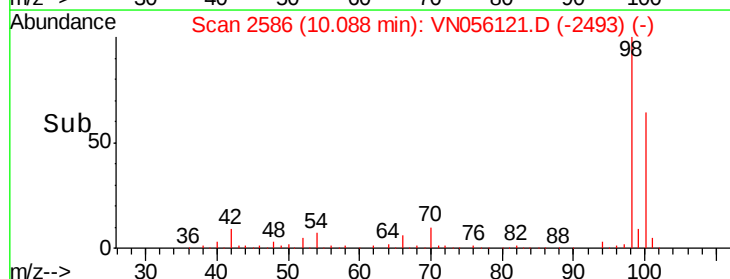
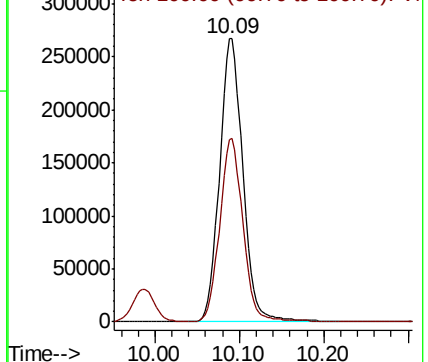
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.9	77.9

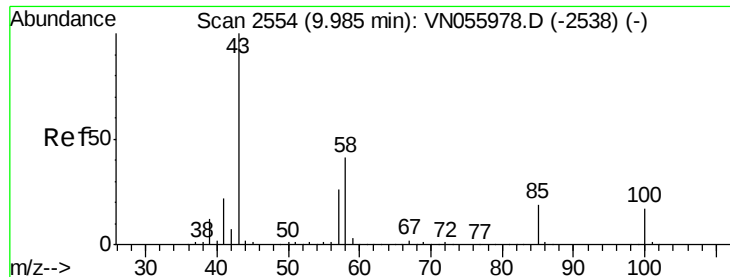


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 109.906 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

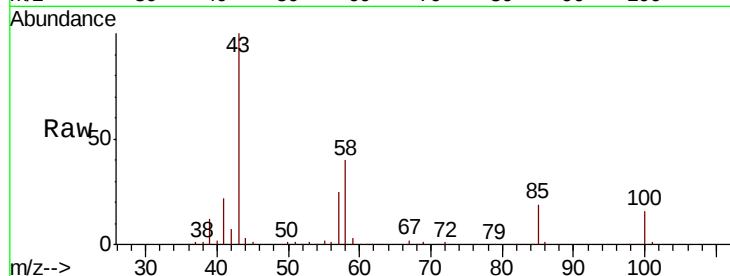
VN0608WBSD03

Tot Ion: 43 Resp: 364660

Ion Ratio Lower Upper

43 100

58 40.4 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

200000

150000

100000

50000

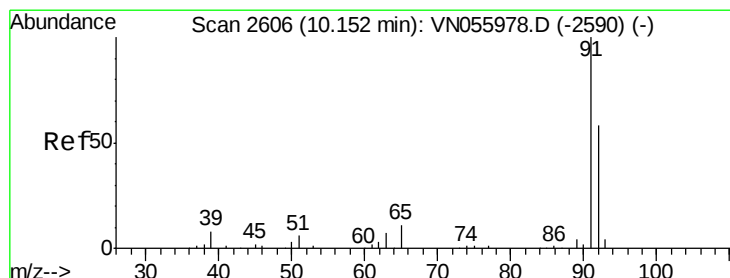
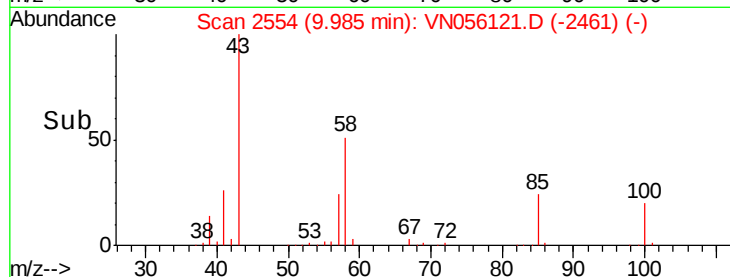
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 20.618 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056121.D

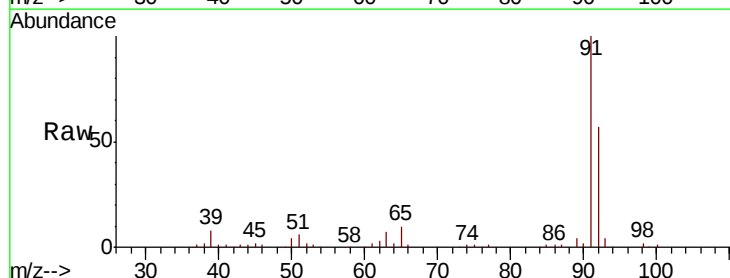
Acq: 8 Jun 2019 00:46

Tgt Ion: 92 Resp: 143393

Ion Ratio Lower Upper

92 100

91 174.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

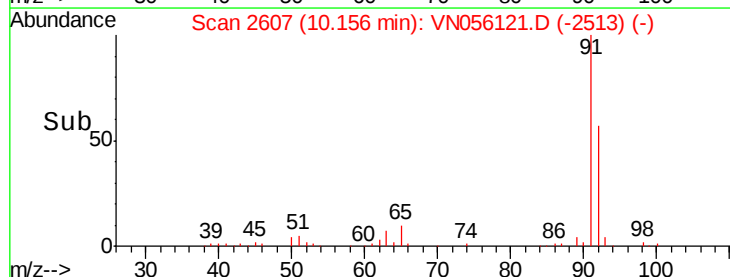
50000

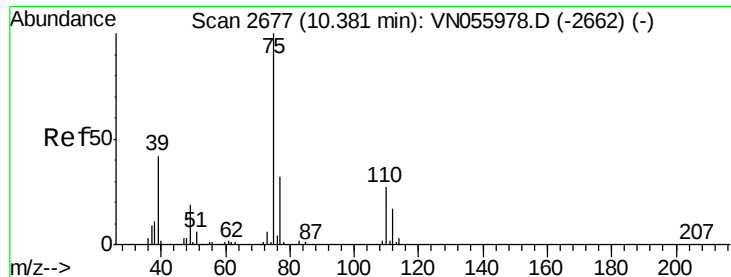
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.256 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

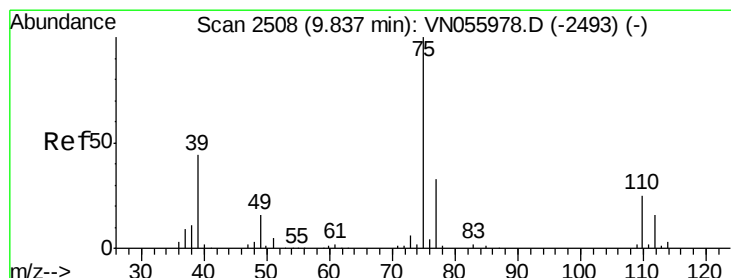
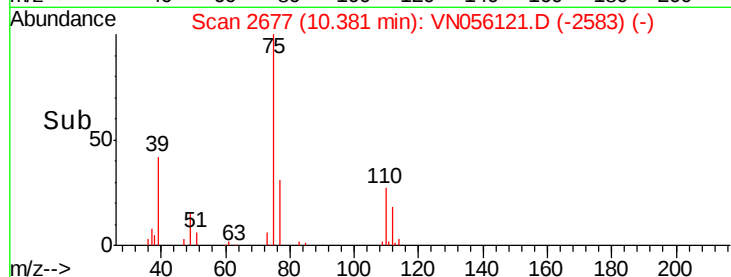
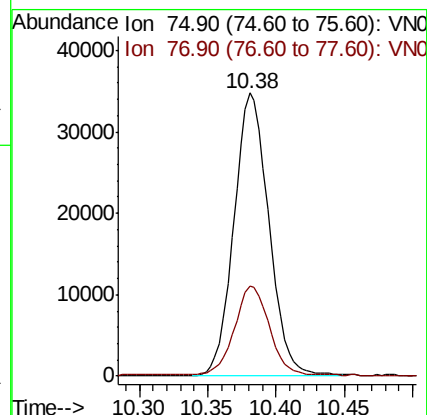
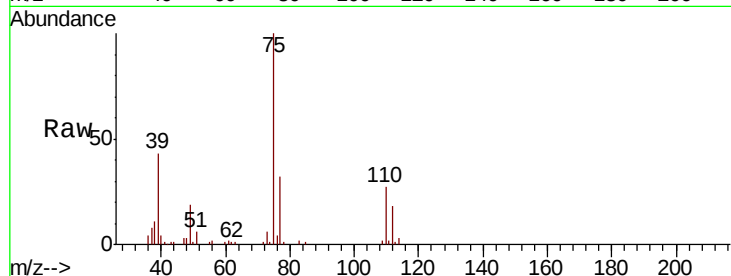
VN0608WBSD03

Tot Ion: 75 Resp: 62083

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 18.579 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

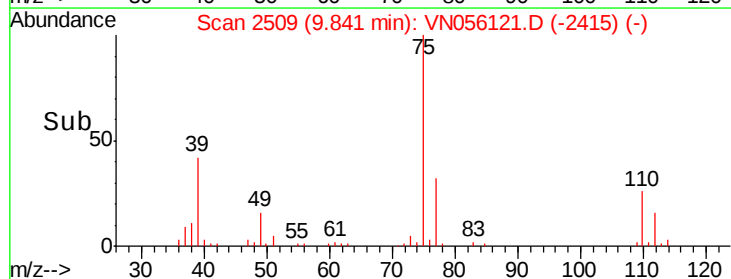
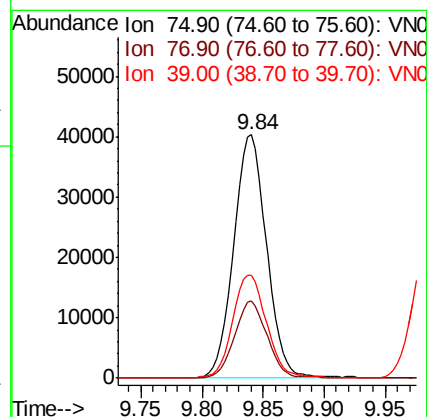
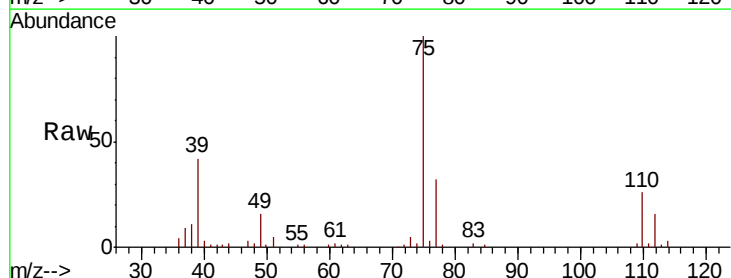
Tgt Ion: 75 Resp: 75770

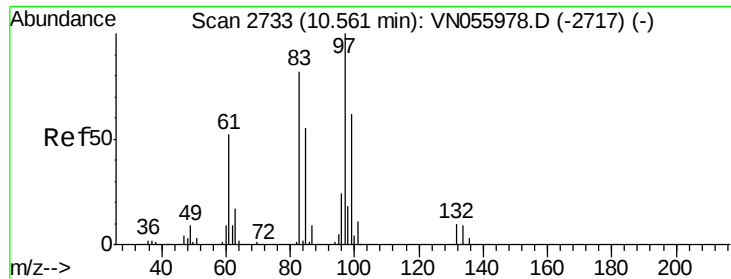
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 42.0 36.3 54.5

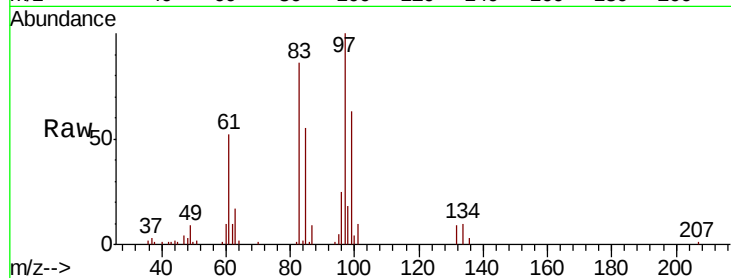




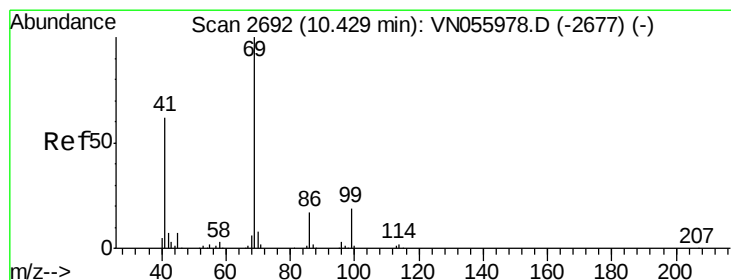
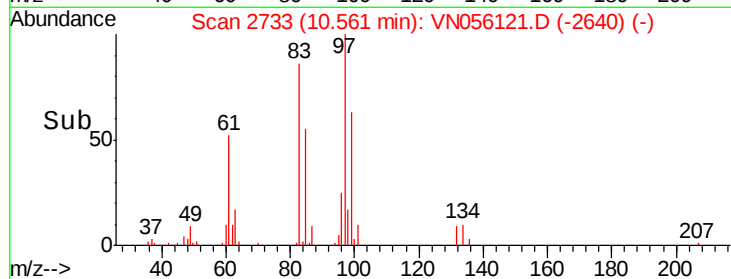
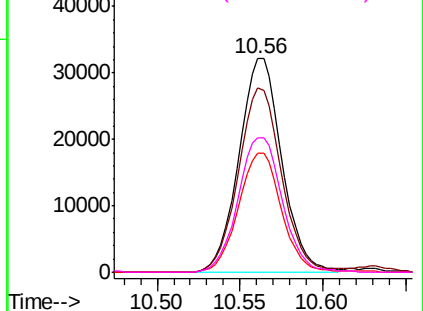
#55
 1,1,2-Trichloroethane
 Concen: 20.940 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

Tot Ion: 97 Resp: 57687
 Ion Ratio Lower Upper
 97 100
 83 86.2 67.0 100.6
 85 55.5 44.0 66.0
 99 63.2 50.6 75.8

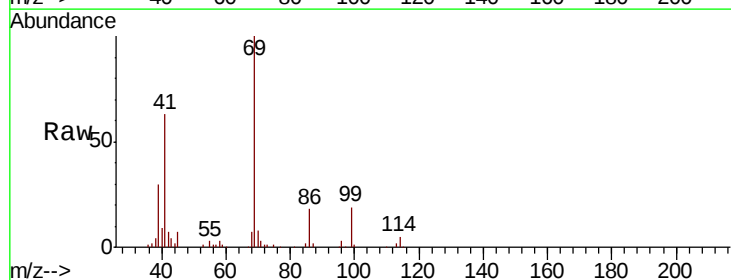


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

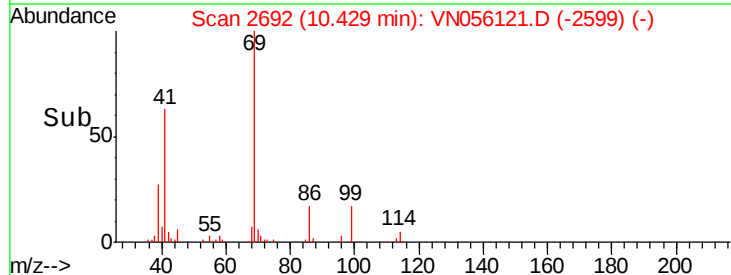
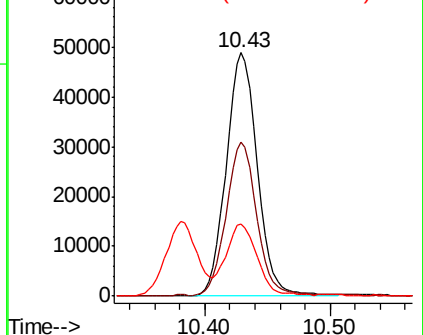


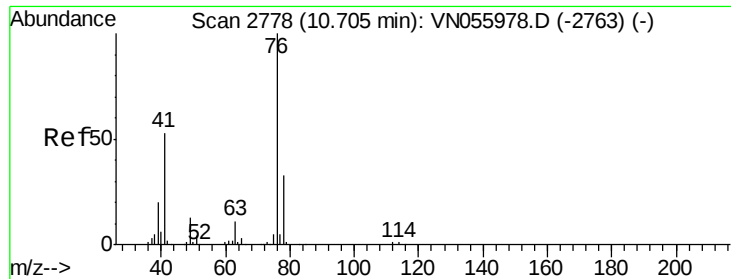
#56
 Ethyl methacrylate
 Concen: 20.930 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion: 69 Resp: 84118
 Ion Ratio Lower Upper
 69 100
 41 61.1 49.7 74.5
 39 29.1 24.7 37.1



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

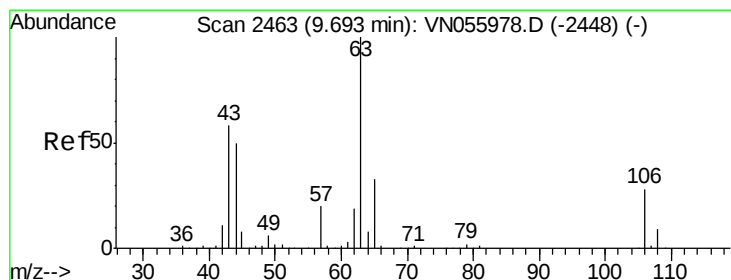
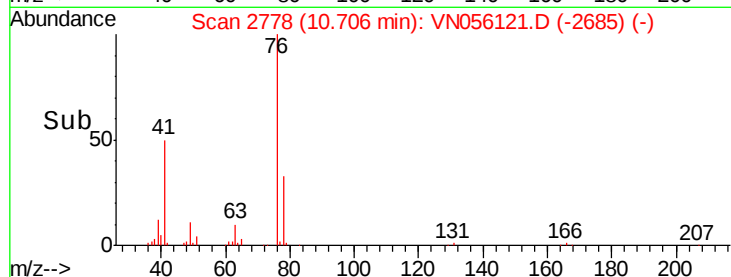
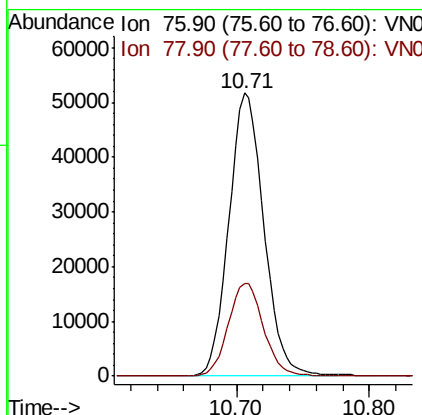
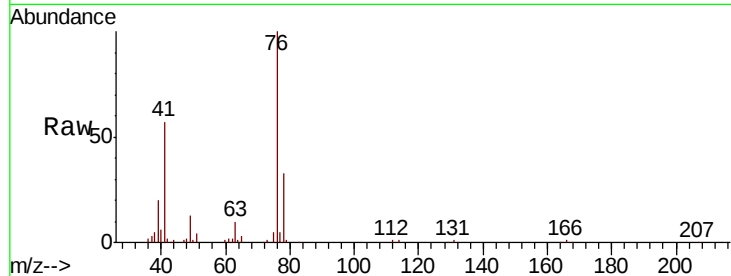




#57
 1,3-Dichloropropane
 Concen: 21.155 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

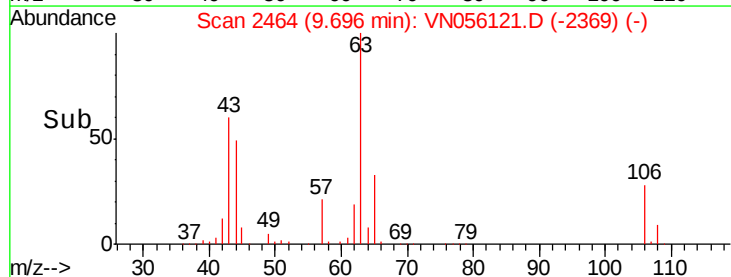
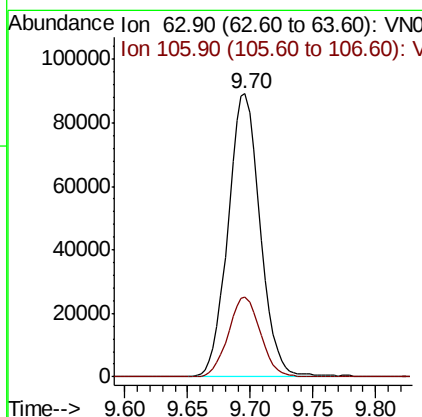
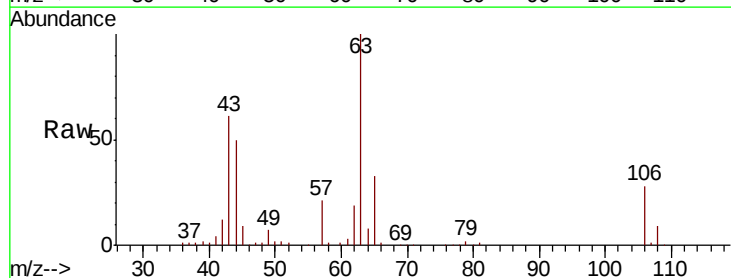
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

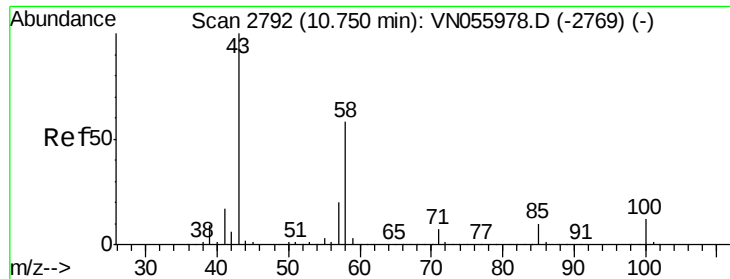
Tot Ion: 76 Resp: 94739
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.418 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion: 63 Resp: 158492
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.7 34.1

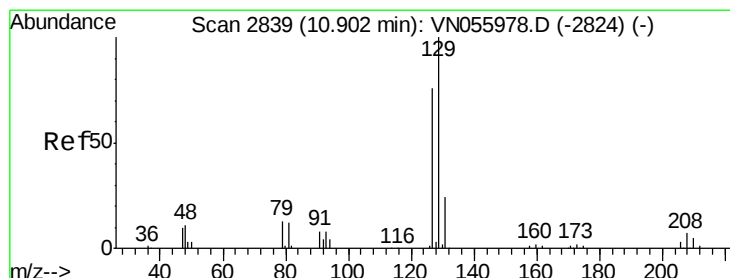
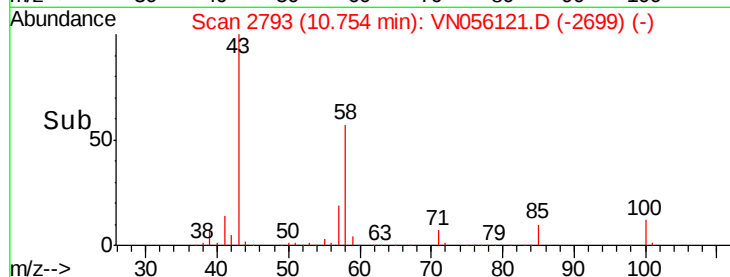
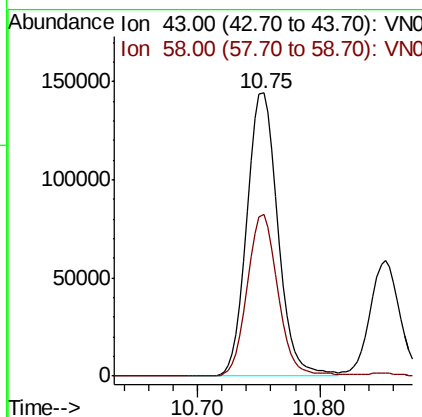
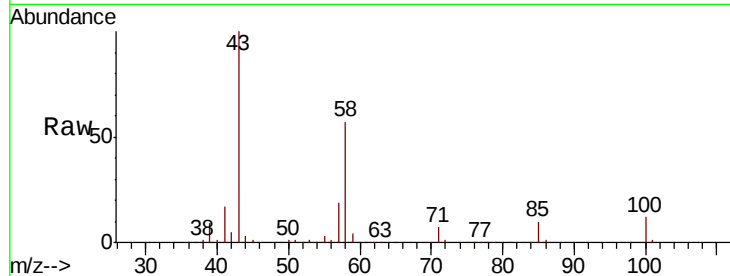




#59
2-Hexanone
Concen: 105.188 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

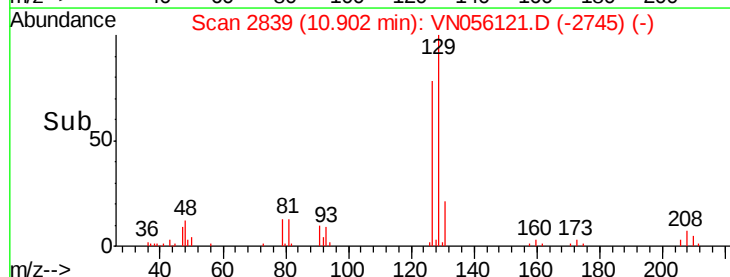
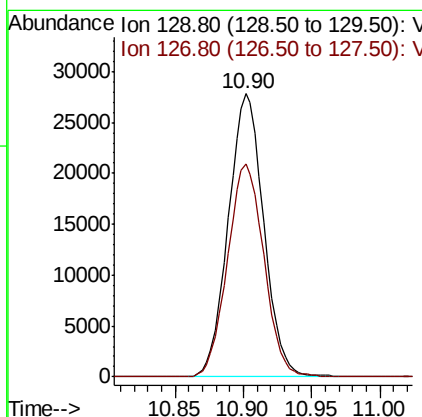
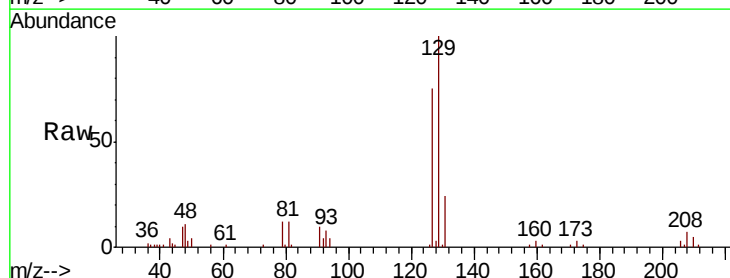
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

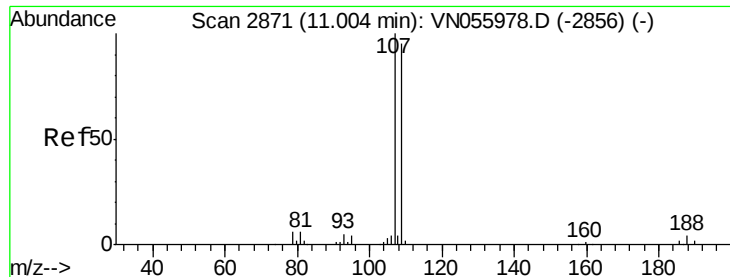
Tot Ion: 43 Resp: 252952
Ion Ratio Lower Upper
43 100
58 56.3 28.2 84.7



#60
Dibromochloromethane
Concen: 18.148 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 129 Resp: 50150
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.633 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

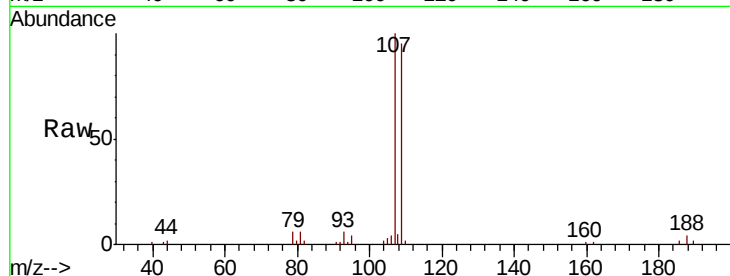
VN0608WBSD03

Tot Ion:107 Resp: 58109

Ion Ratio Lower Upper

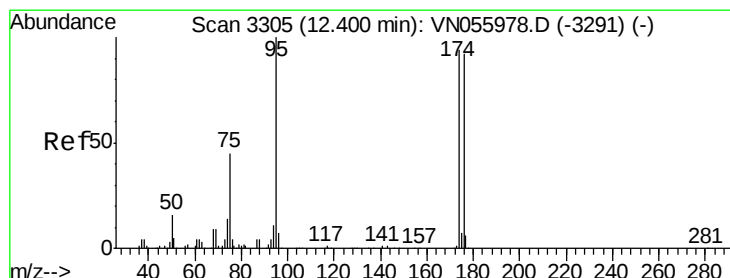
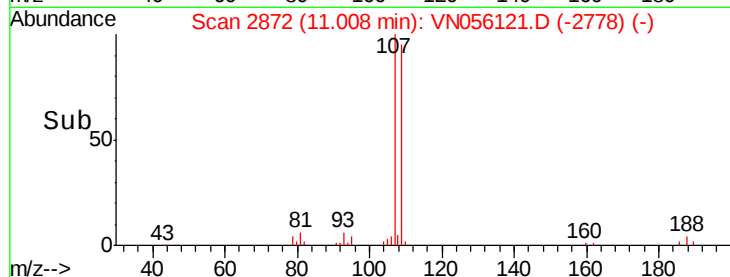
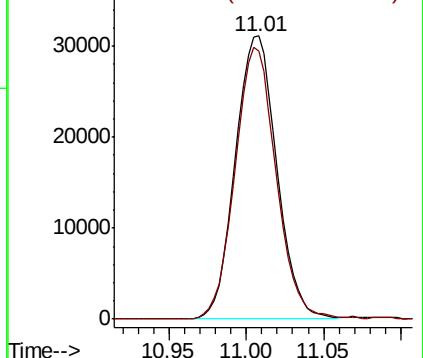
107 100

109 95.2 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.963 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

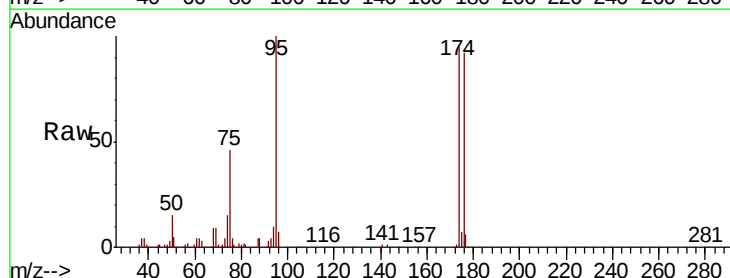
Tgt Ion: 95 Resp: 168235

Ion Ratio Lower Upper

95 100

174 95.0 0.0 191.0

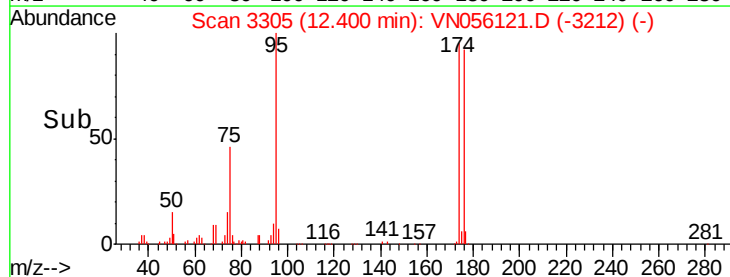
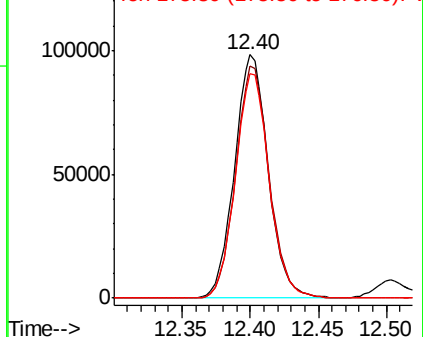
176 92.4 0.0 185.2

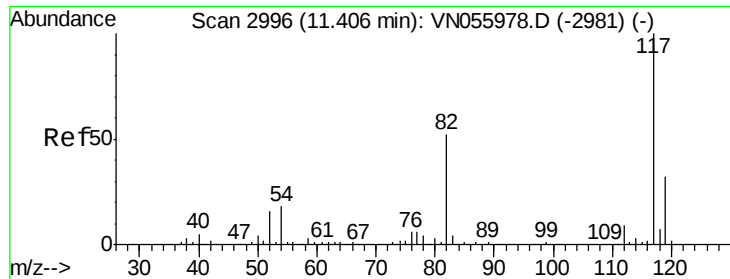


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

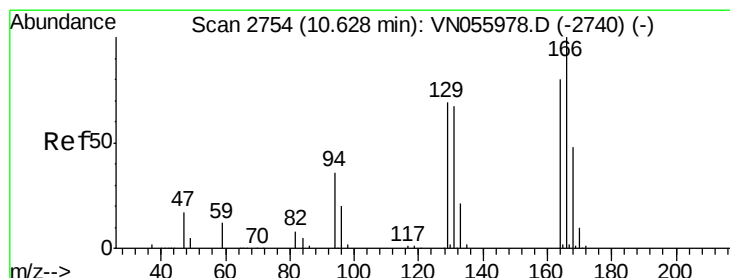
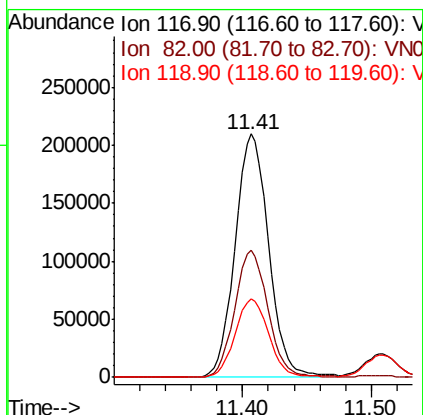
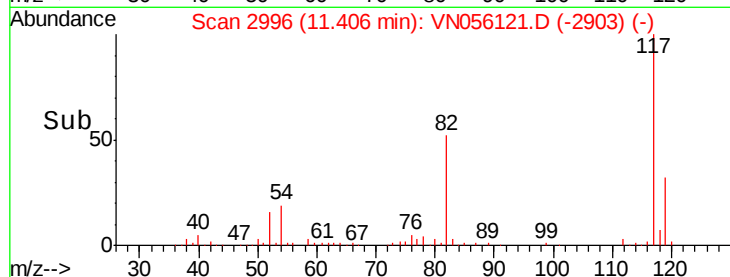
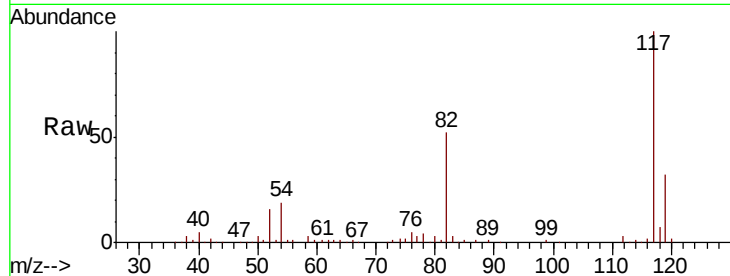




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

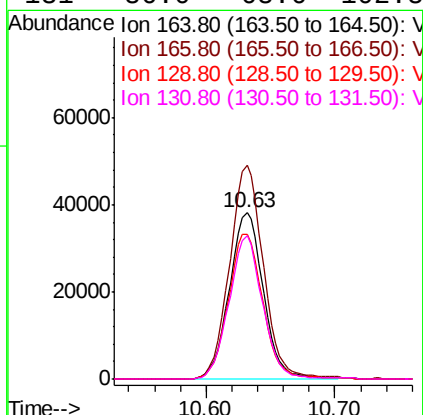
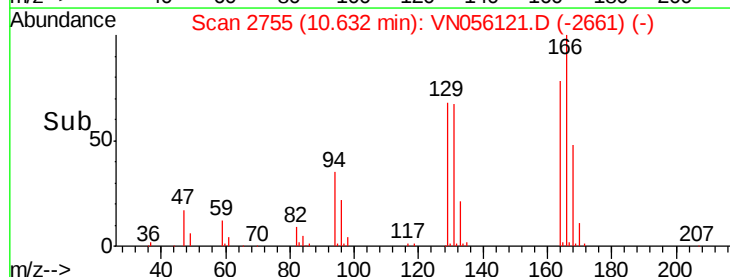
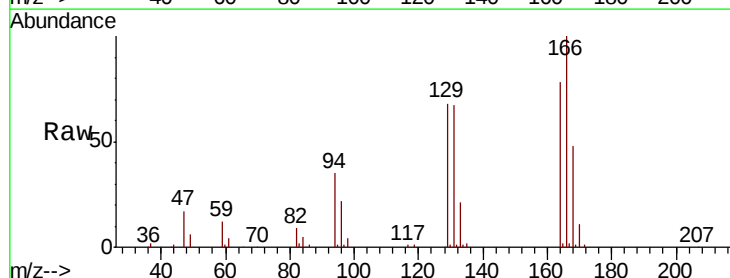
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

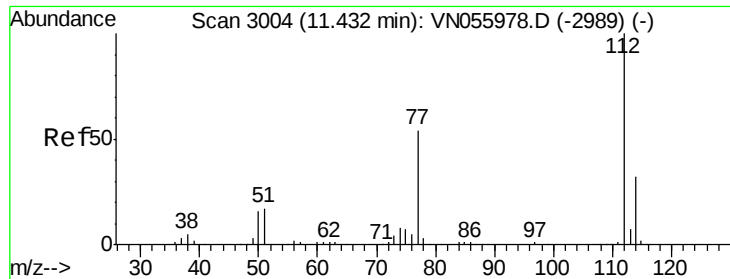
Tot Ion:117 Resp: 380947
Ion Ratio Lower Upper
117 100
82 52.1 41.8 62.8
119 32.1 25.4 38.0



#64
Tetrachloroethene
Concen: 21.189 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion:164 Resp: 69870
Ion Ratio Lower Upper
164 100
166 128.6 103.0 154.6
129 87.3 70.6 105.8
131 86.0 68.6 102.8

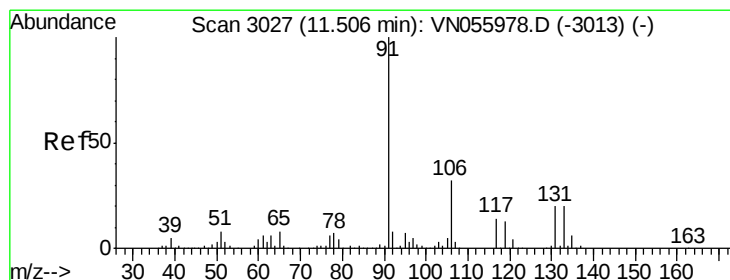
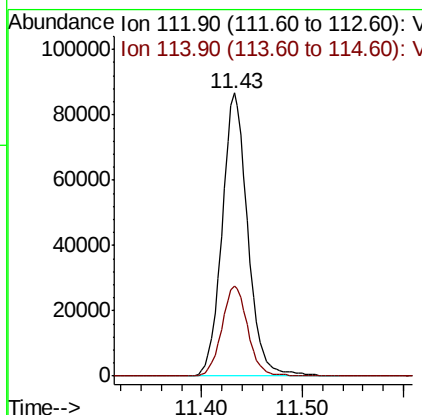
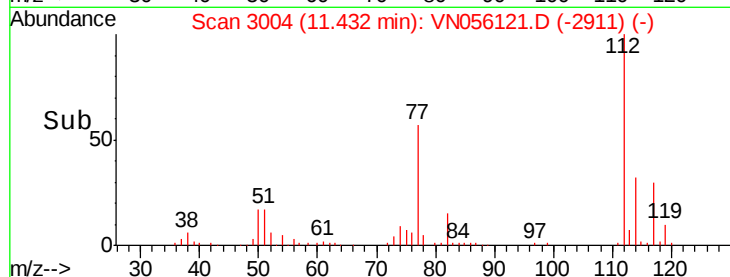
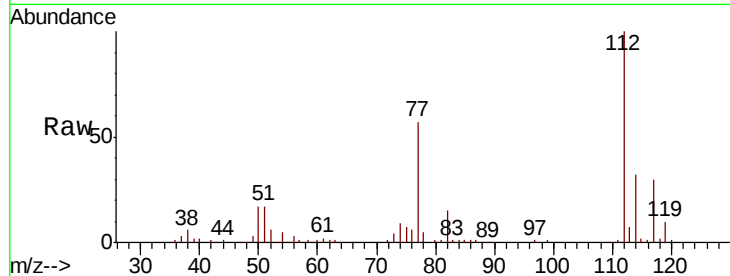




#65
Chlorobenzene
Concen: 20.277 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

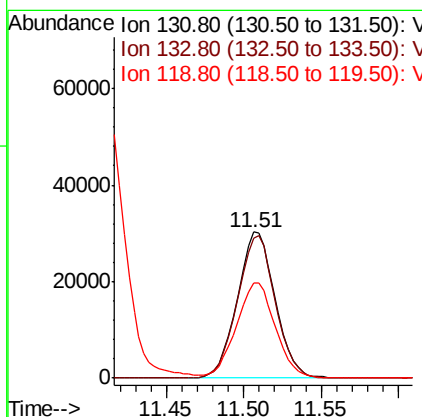
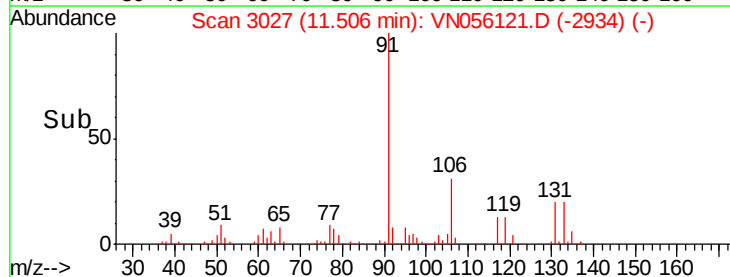
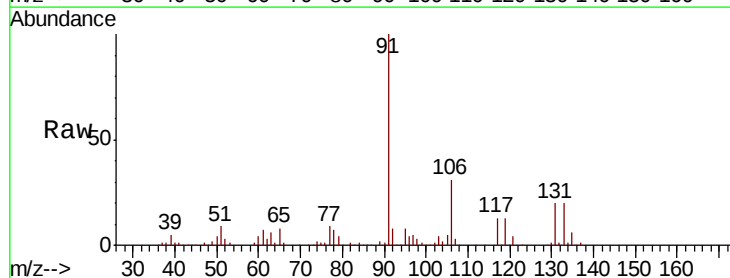
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

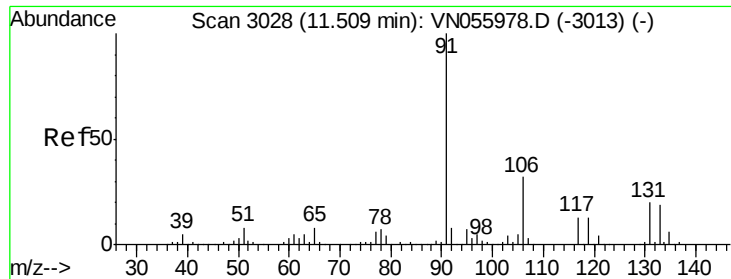
Tot Ion:112 Resp: 153730
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.663 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion:131 Resp: 51475
Ion Ratio Lower Upper
131 100
133 97.7 48.0 144.0
119 67.4 33.1 99.5

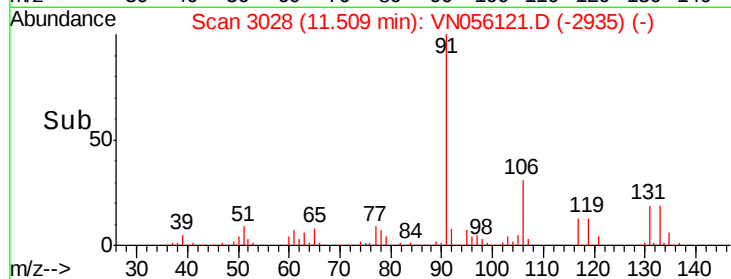
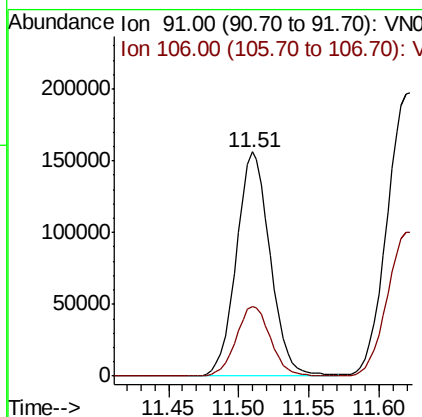
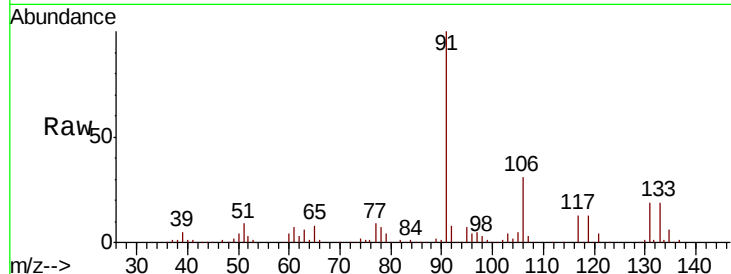




#67
Ethyl Benzene
Concen: 19.936 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

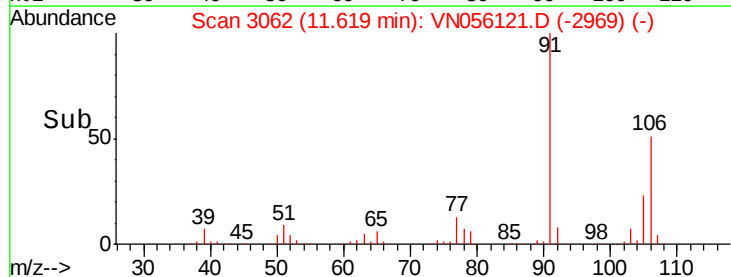
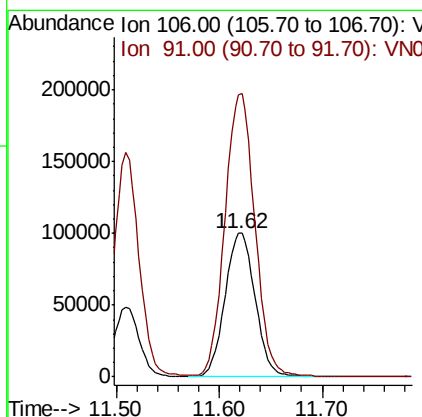
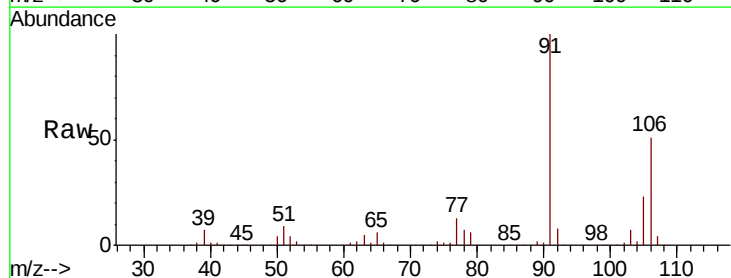
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

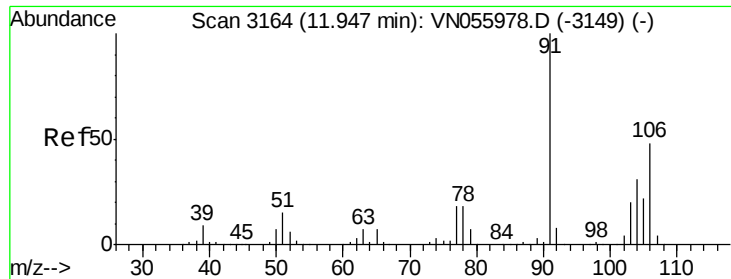
Tot Ion: 91 Resp: 262816
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7



#68
m/p-Xylenes
Concen: 40.539 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 106 Resp: 204161
Ion Ratio Lower Upper
106 100
91 196.1 159.3 238.9

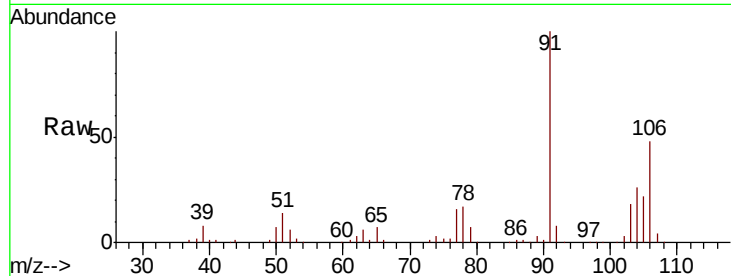




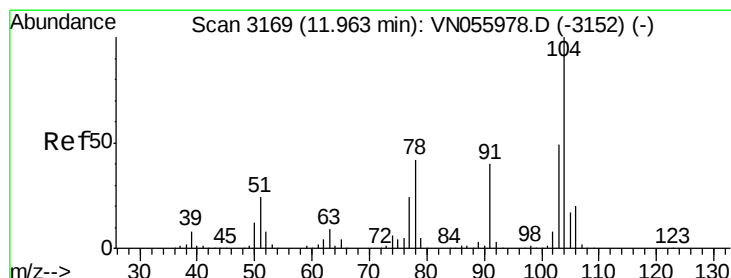
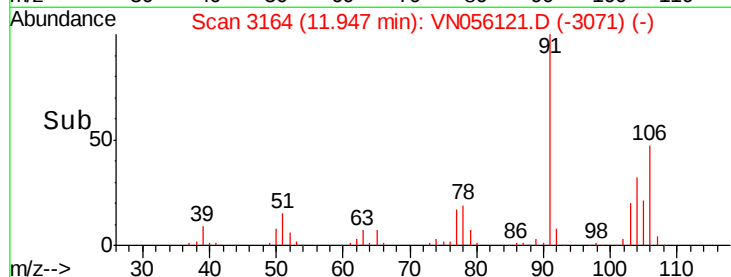
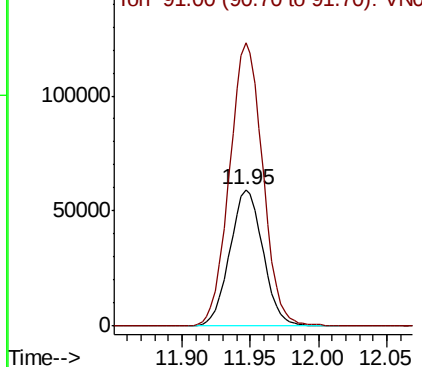
#69
o-Xylene
Concen: 20.211 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleID :
VN0608WBSD03

Tot Ion:106 Resp: 100120
Ion Ratio Lower Upper
106 100
91 208.3 104.7 314.1

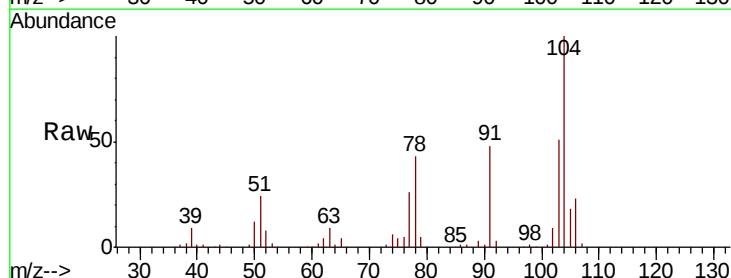


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

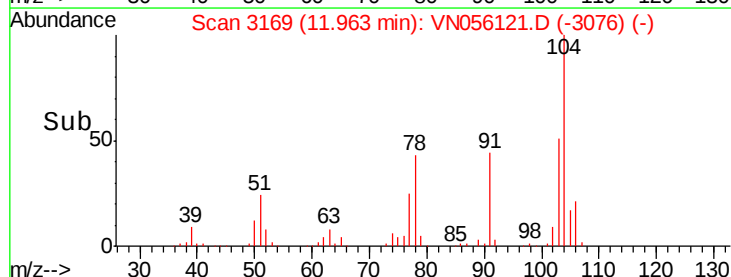
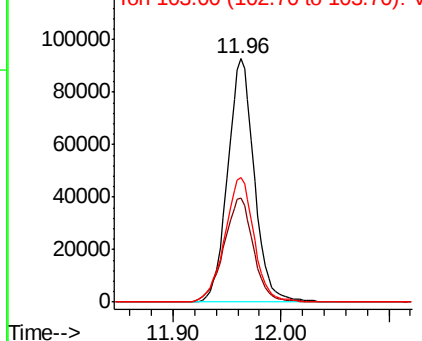


#70
Styrene
Concen: 20.254 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion:104 Resp: 159416
Ion Ratio Lower Upper
104 100
78 47.5 37.8 56.6
103 56.2 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V

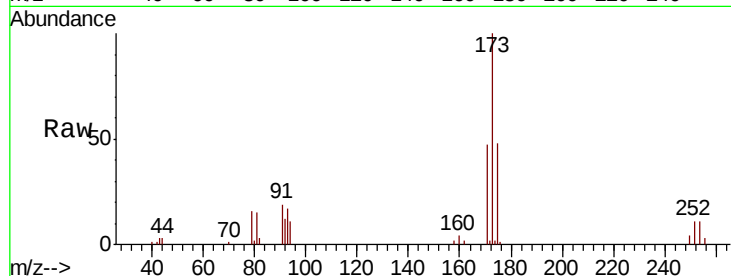




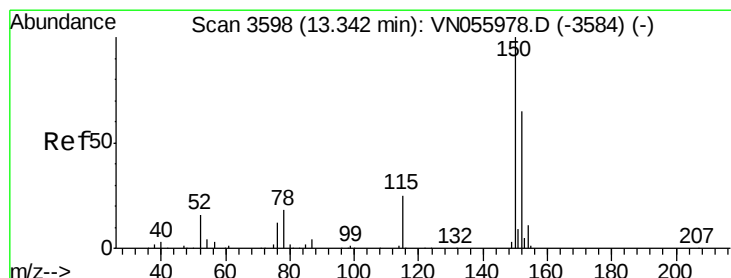
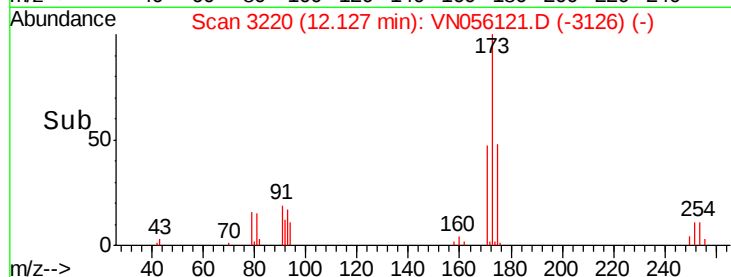
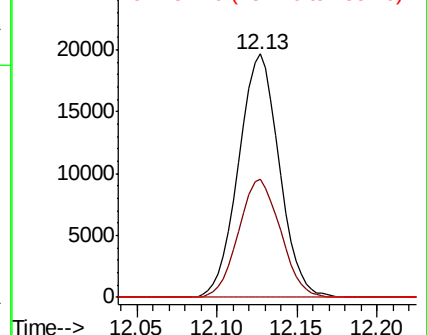
#71
Bromoform
Concen: 17.409 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion:173 Resp: 34105
Ion Ratio Lower Upper
173 100
175 49.9 24.3 72.8
254 0.0 0.0 0.0

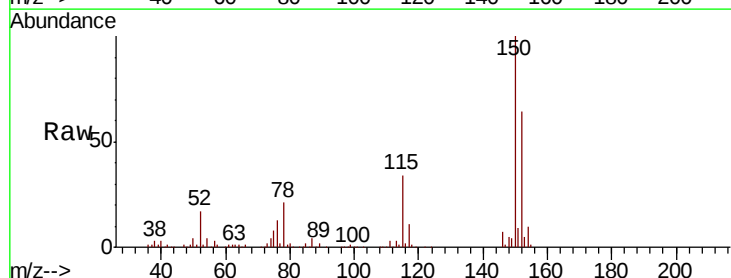


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

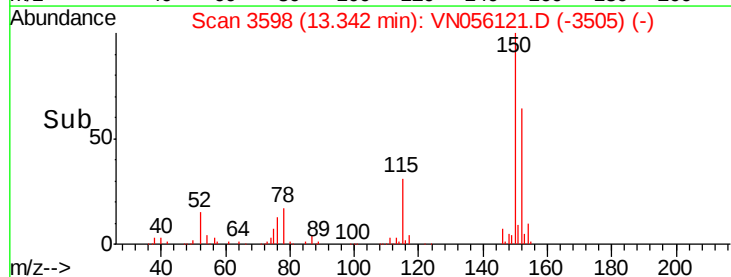
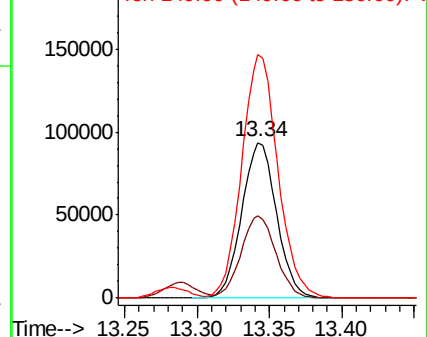


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion:152 Resp: 156145
Ion Ratio Lower Upper
152 100
115 53.3 27.0 81.0
150 162.5 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.363 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

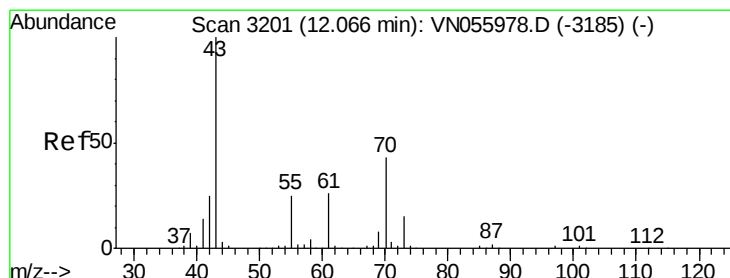
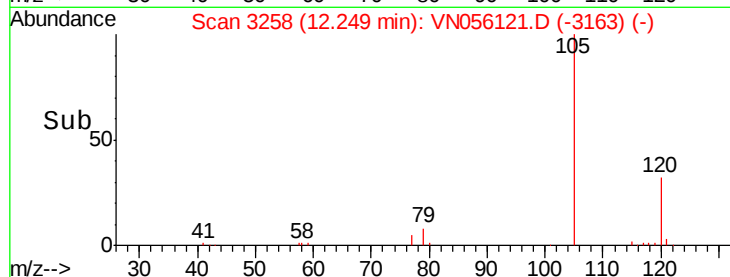
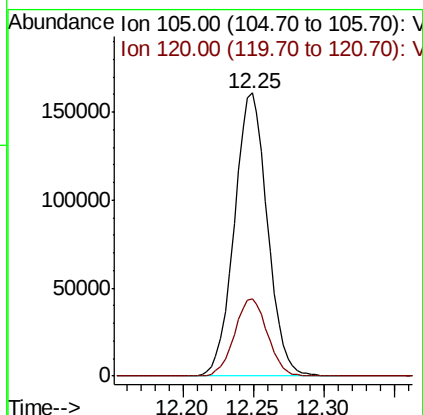
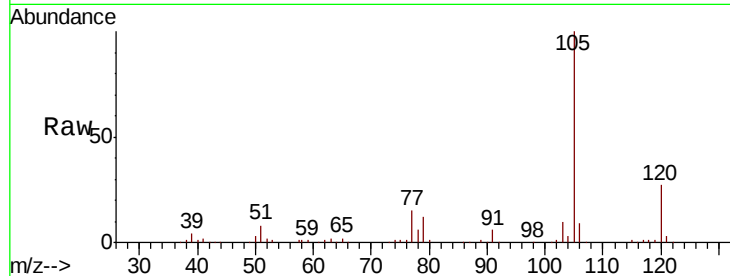
VN0608WBSD03

Tot Ion:105 Resp: 263792

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 21.265 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Tgt Ion: 43 Resp: 88509

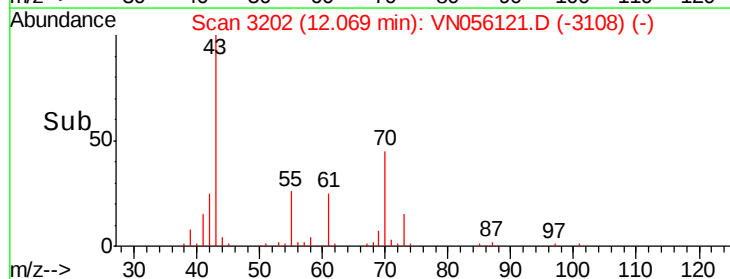
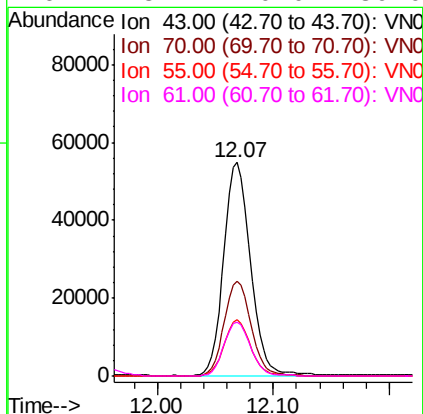
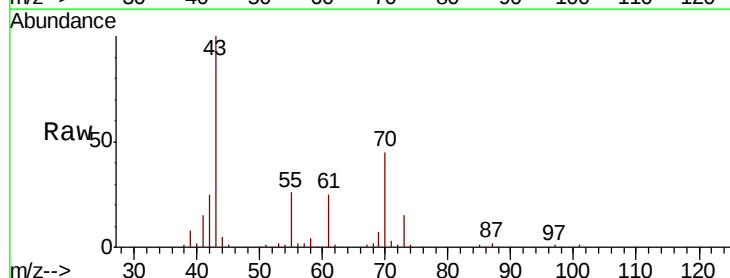
Ion Ratio Lower Upper

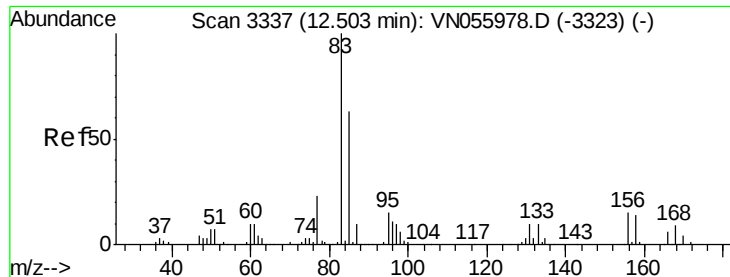
43 100

70 44.1 34.0 51.0

55 25.8 18.6 28.0

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.687 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

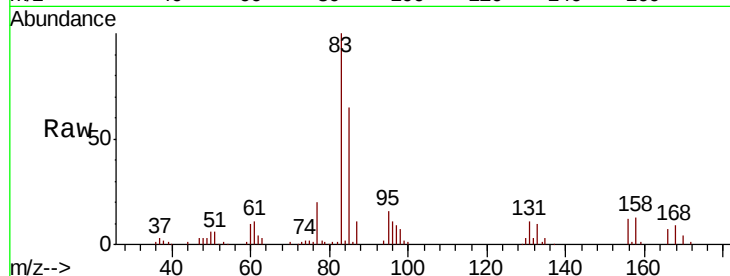
Tot Ion: 83 Resp: 78611

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

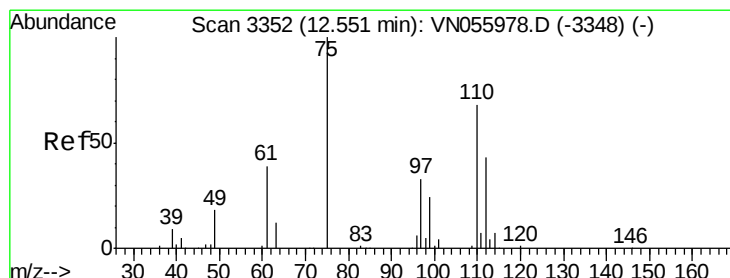
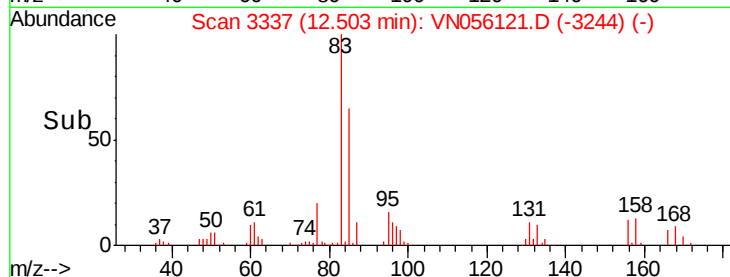
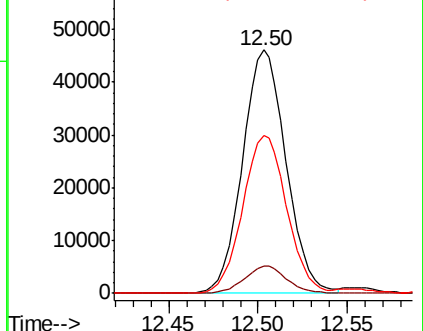
85 65.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.949 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056121.D

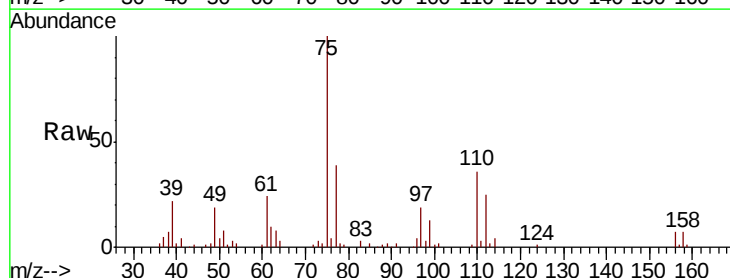
Acq: 8 Jun 2019 00:46

Tgt Ion: 75 Resp: 88922

Ion Ratio Lower Upper

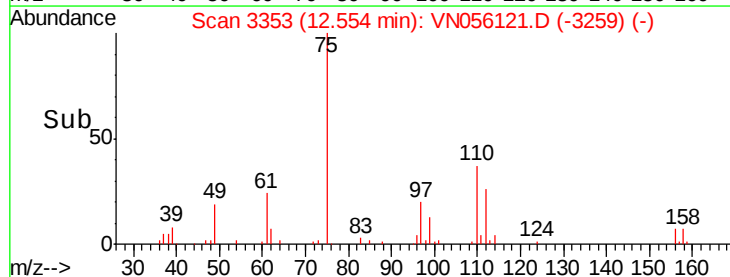
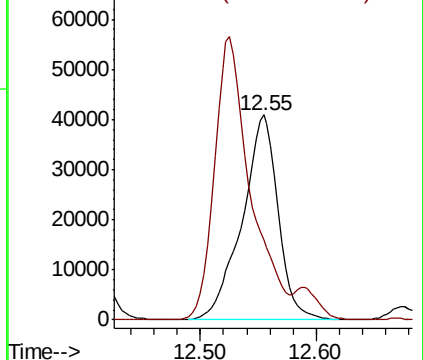
75 100

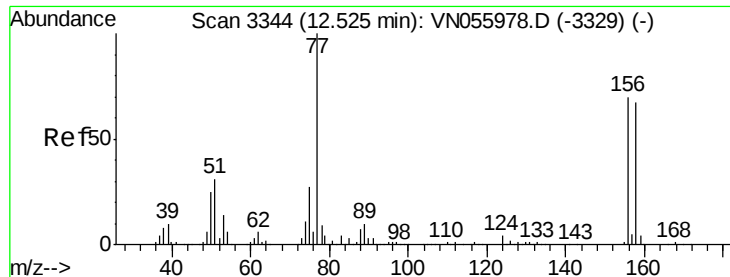
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.753 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

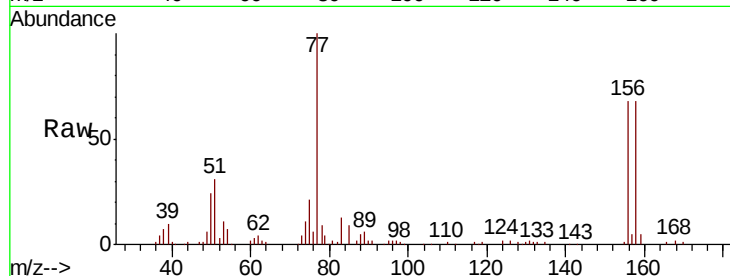
Tot Ion:156 Resp: 69379

Ion Ratio Lower Upper

156 100

77 176.1 90.8 272.5

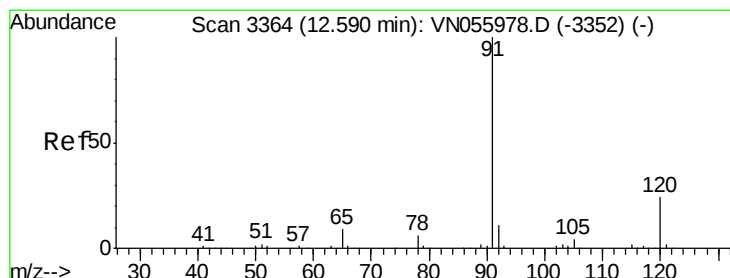
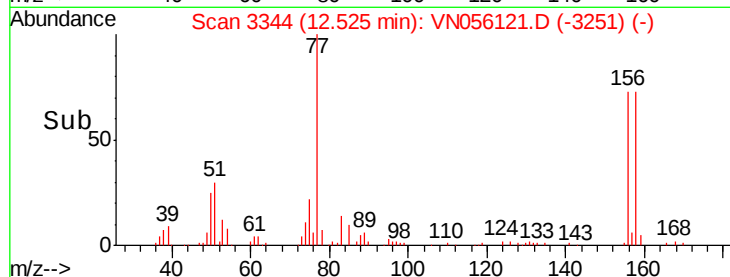
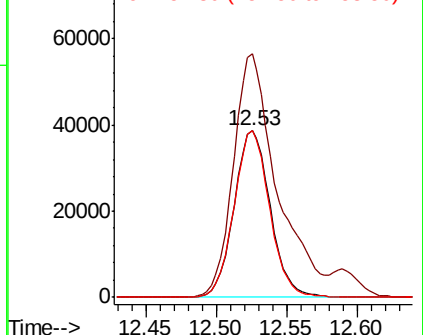
158 98.5 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.457 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056121.D

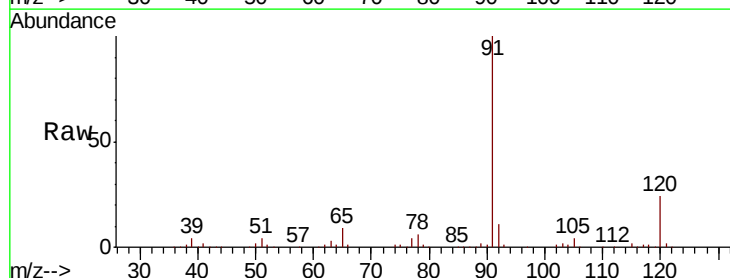
Acq: 8 Jun 2019 00:46

Tgt Ion: 91 Resp: 270232

Ion Ratio Lower Upper

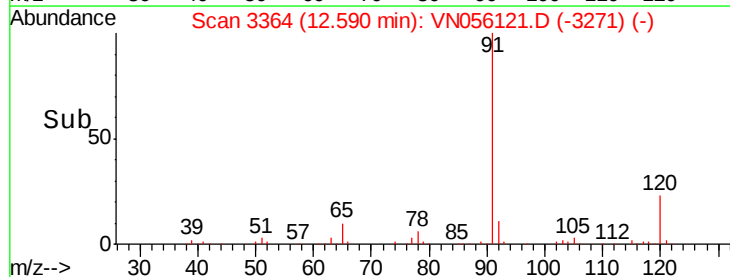
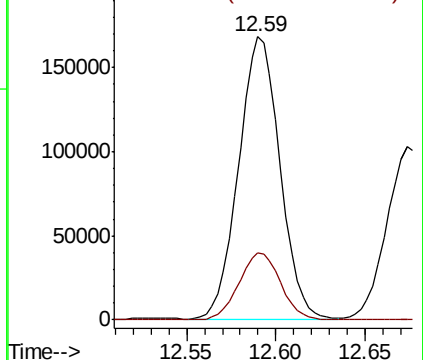
91 100

120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.140 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampled :

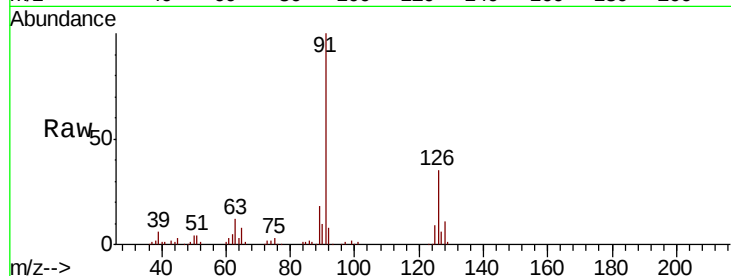
VN0608WBSD03

Tot Ion: 91 Resp: 171703

Ion Ratio Lower Upper

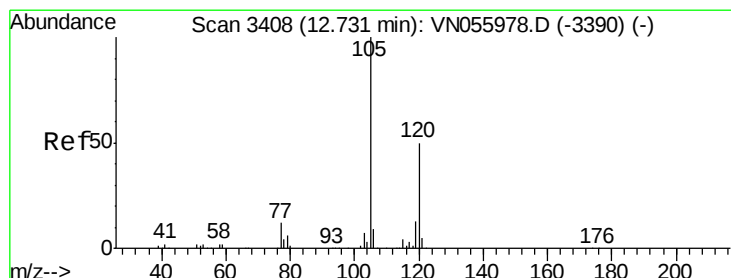
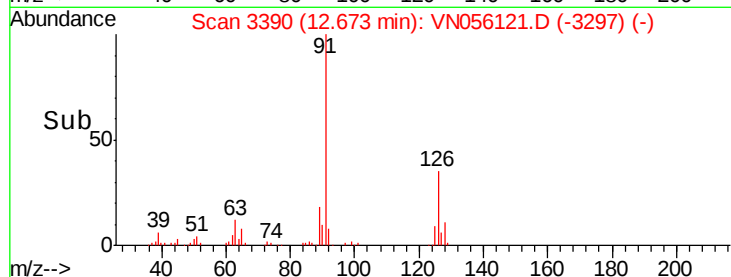
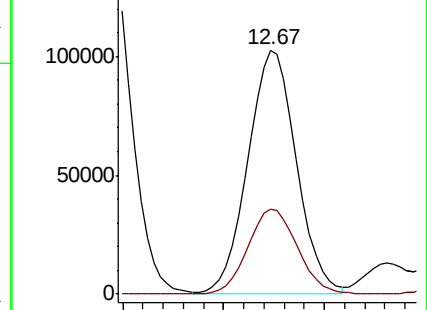
91 100

126 35.7 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.612 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056121.D

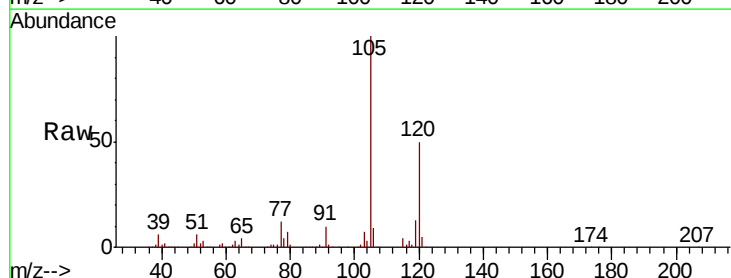
Acq: 8 Jun 2019 00:46

Tgt Ion: 105 Resp: 216392

Ion Ratio Lower Upper

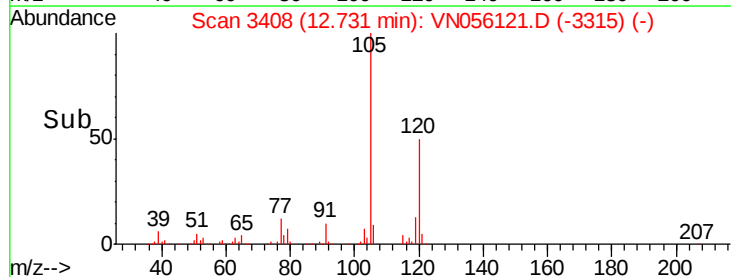
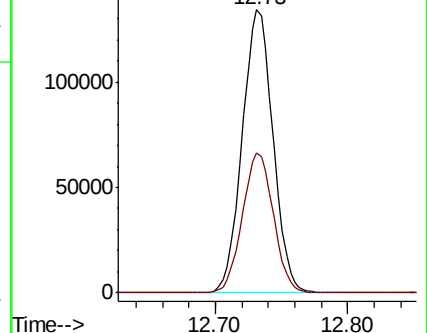
105 100

120 49.8 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.085 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

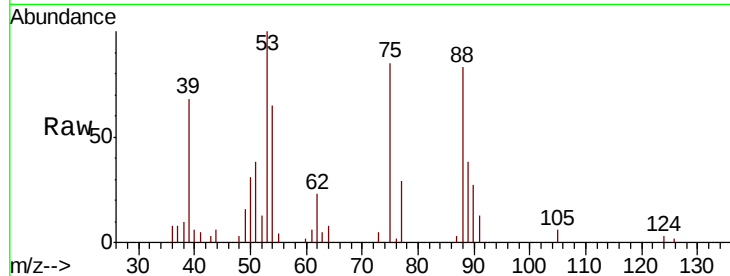
Tot Ion: 75 Resp: 13015

Ion Ratio Lower Upper

75 100

53 118.1 68.1 102.1#

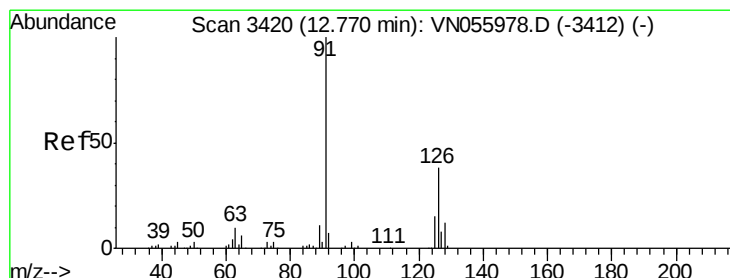
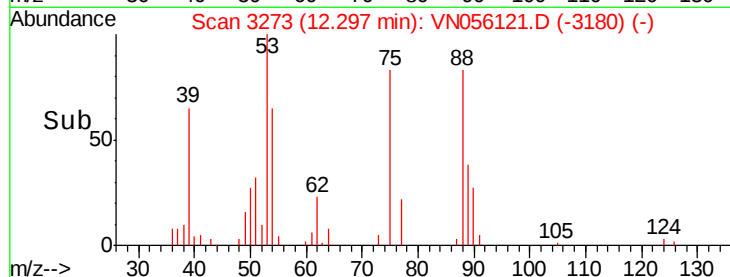
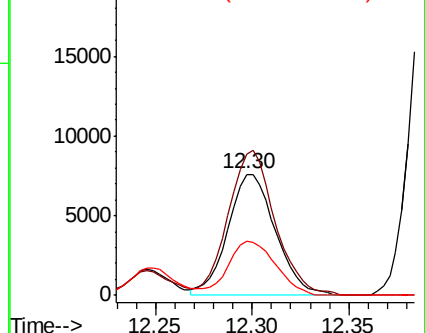
89 44.2 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.517 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056121.D

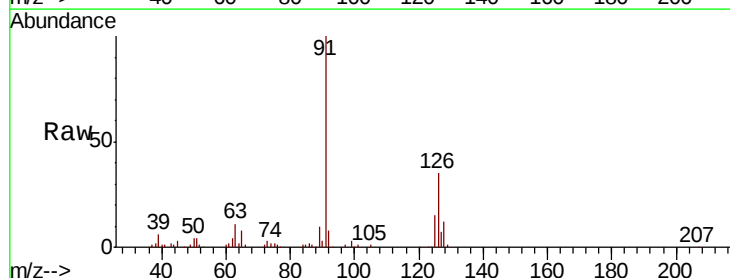
Acq: 8 Jun 2019 00:46

Tgt Ion: 91 Resp: 158559

Ion Ratio Lower Upper

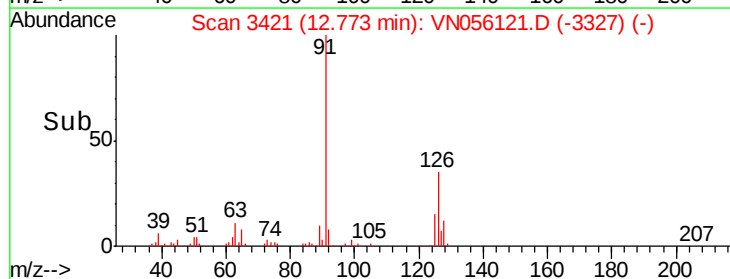
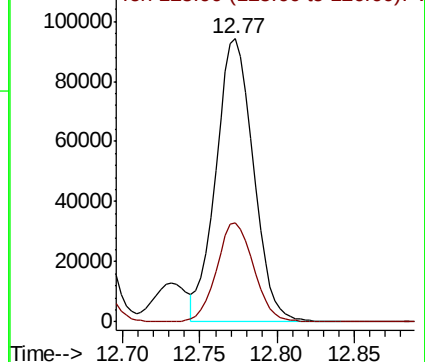
91 100

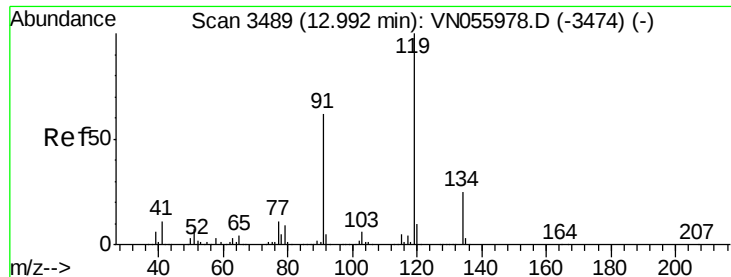
126 34.6 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

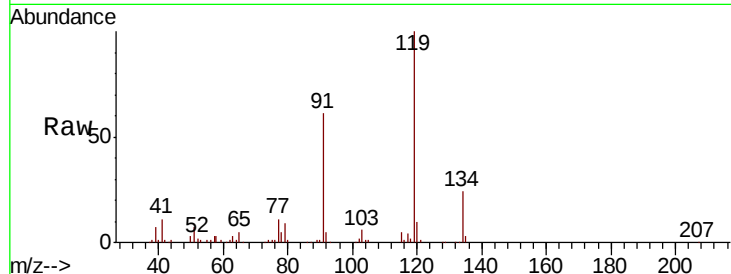




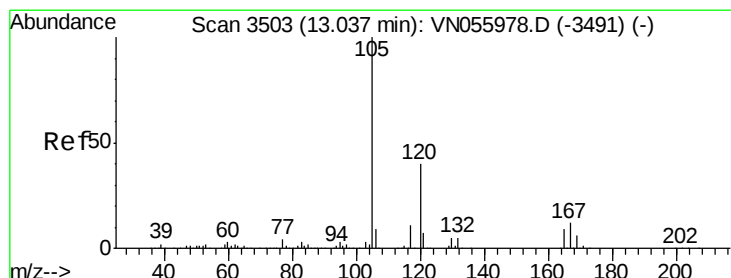
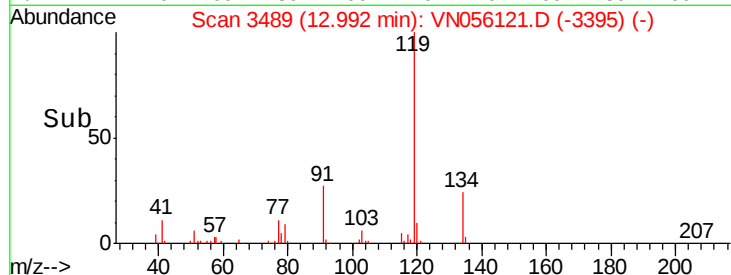
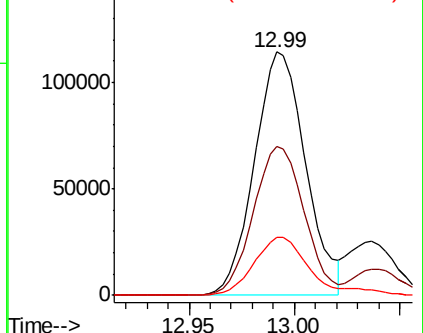
#83
tert-Butylbenzene
Concen: 22.207 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion:119 Resp: 193246
Ion Ratio Lower Upper
119 100
91 60.7 30.9 92.8
134 26.2 13.3 39.8

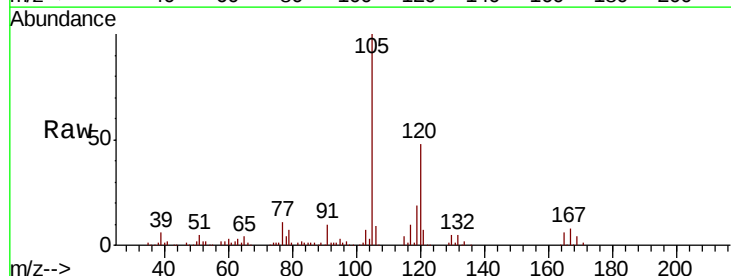


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

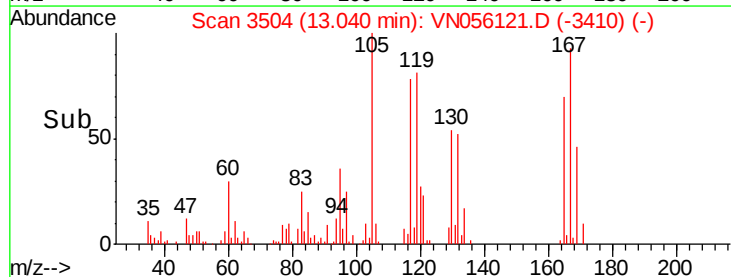
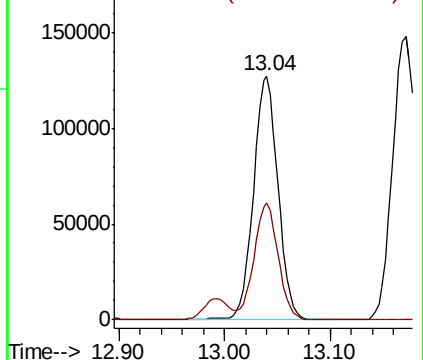


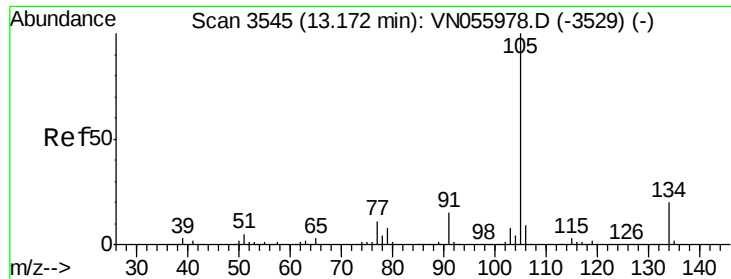
#84
1,2,4-Trimethylbenzene
Concen: 20.725 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion:105 Resp: 206331
Ion Ratio Lower Upper
105 100
120 47.3 23.0 69.0



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

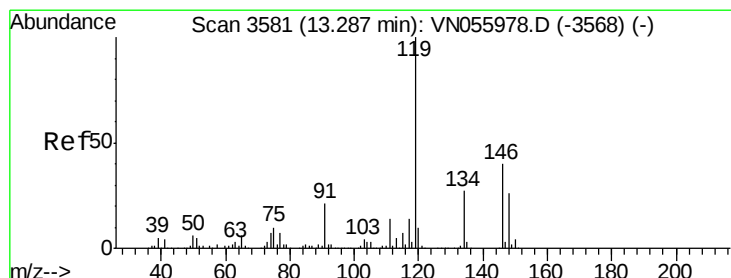
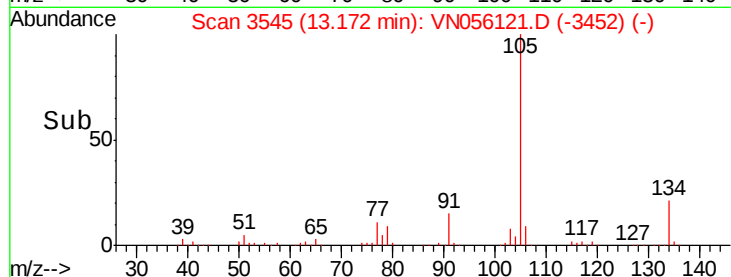
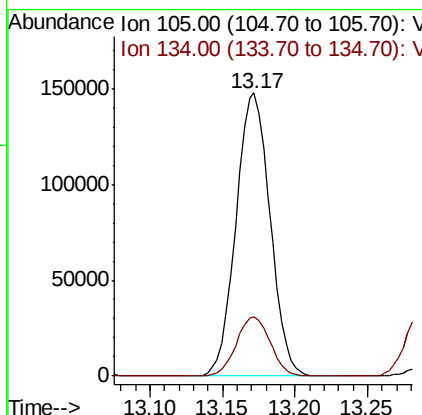
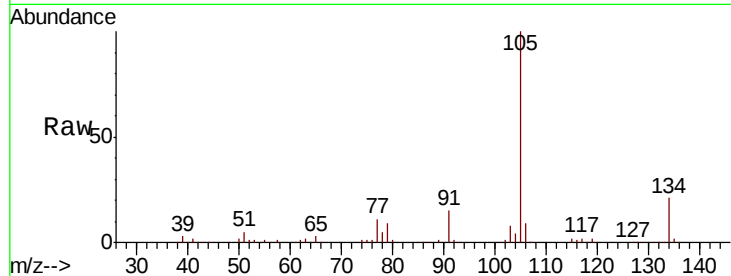




#85
 sec-Butylbenzene
 Concen: 20.609 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

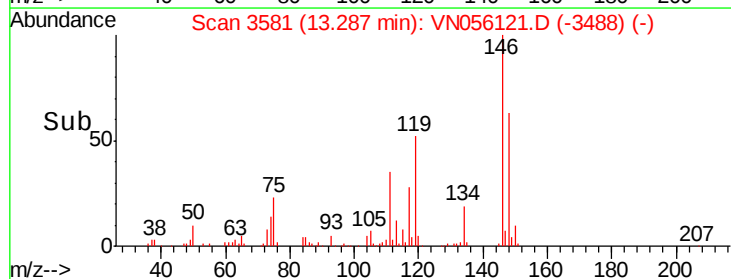
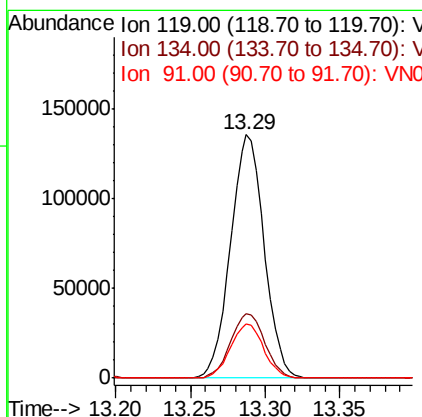
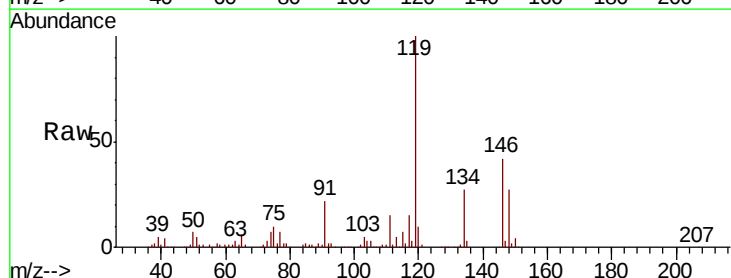
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

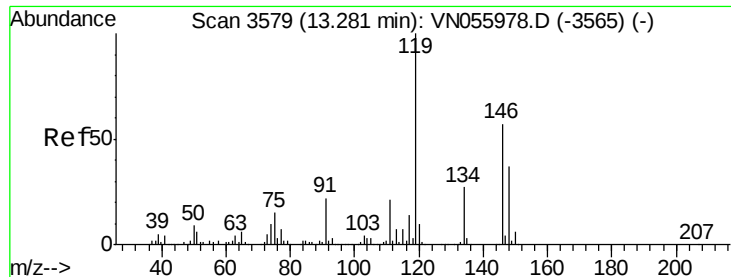
Tot Ion:105 Resp: 241098
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 20.244 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion:119 Resp: 211952
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.1
 91 22.1 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 20.424 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

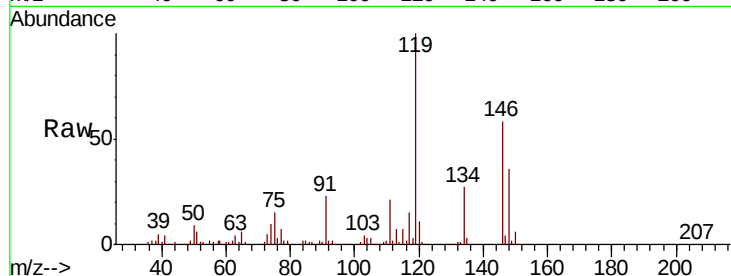
Tot Ion:146 Resp: 105674

Ion Ratio Lower Upper

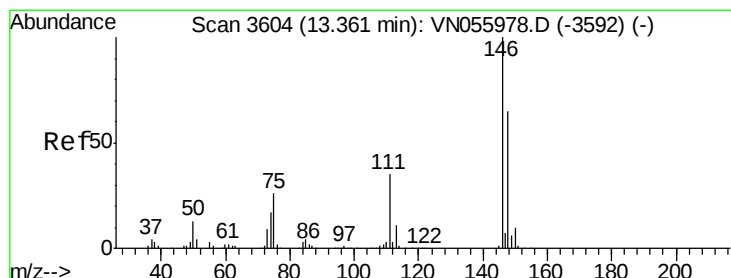
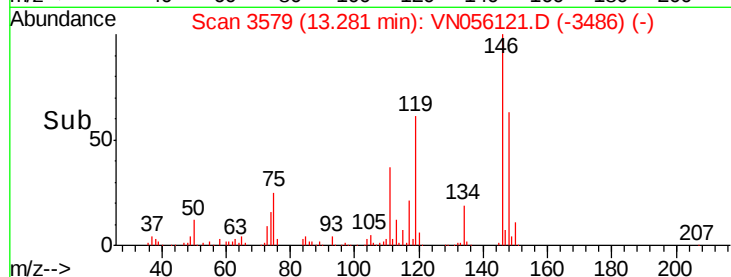
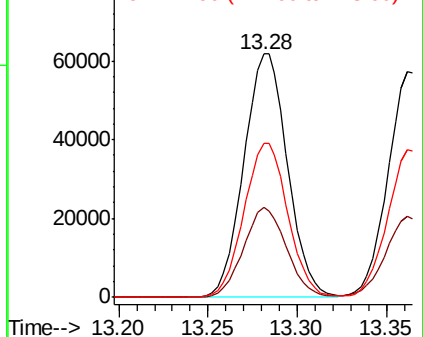
146 100

111 36.3 18.5 55.5

148 63.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.672 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

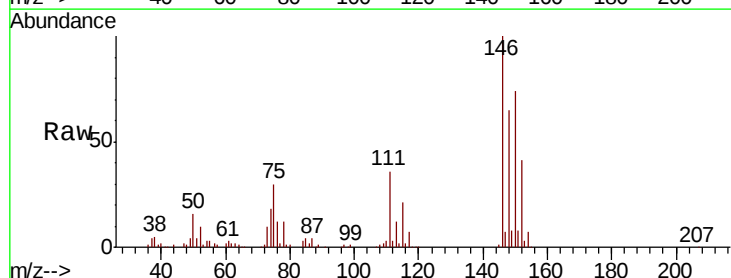
Tgt Ion:146 Resp: 97912

Ion Ratio Lower Upper

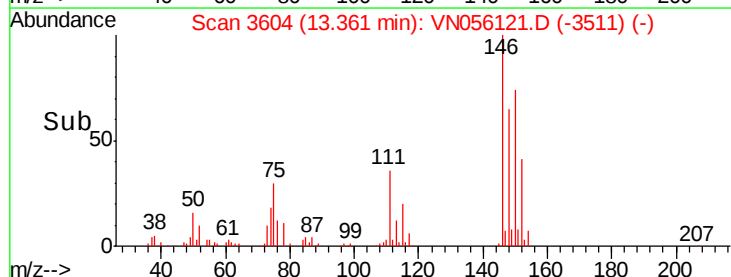
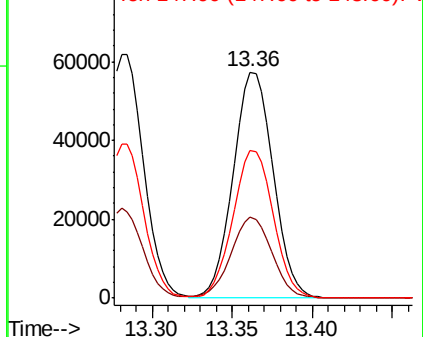
146 100

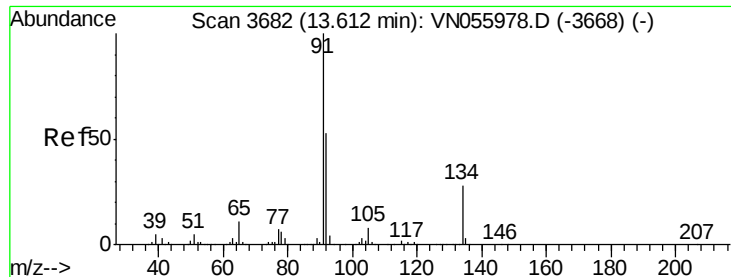
111 36.8 18.1 54.4

148 65.8 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.550 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

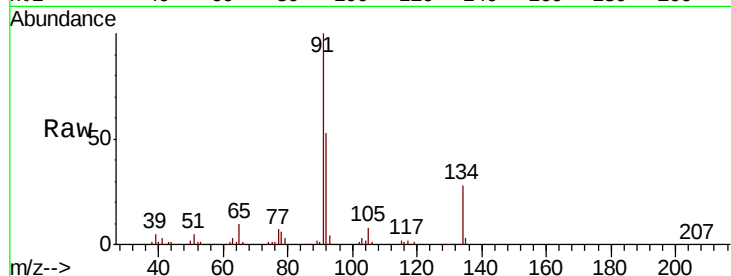
Tot Ion: 91 Resp: 143874

Ion Ratio Lower Upper

91 100

92 52.7 26.4 79.0

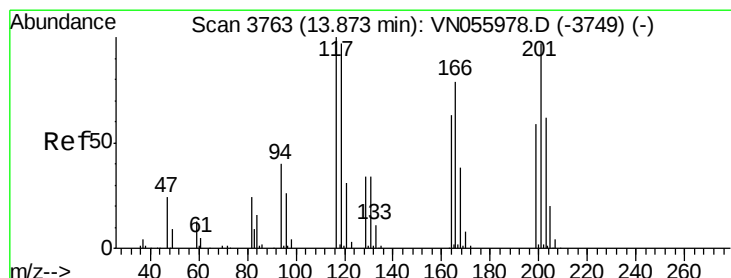
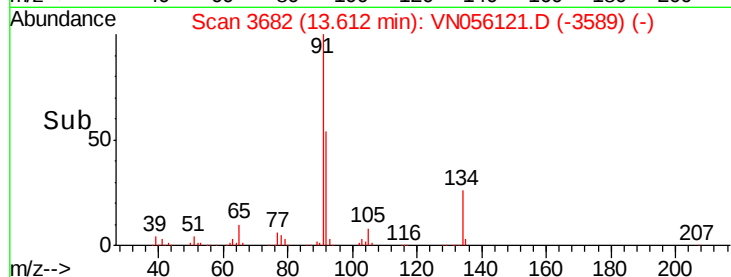
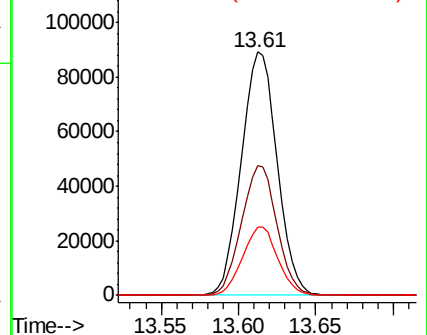
134 27.5 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.287 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056121.D

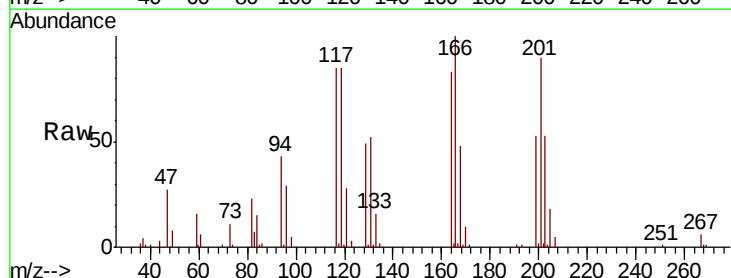
Acq: 8 Jun 2019 00:46

Tgt Ion: 117 Resp: 28873

Ion Ratio Lower Upper

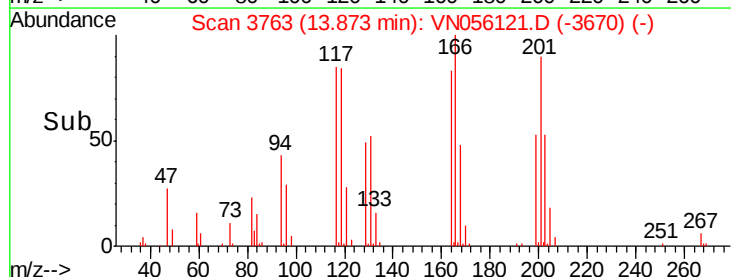
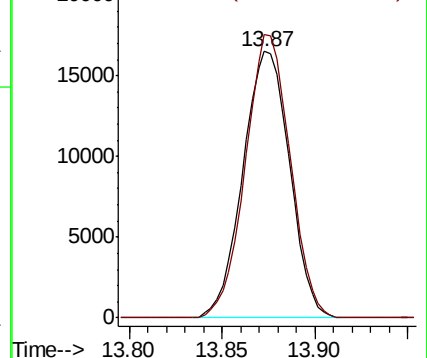
117 100

201 101.6 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 20.406 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

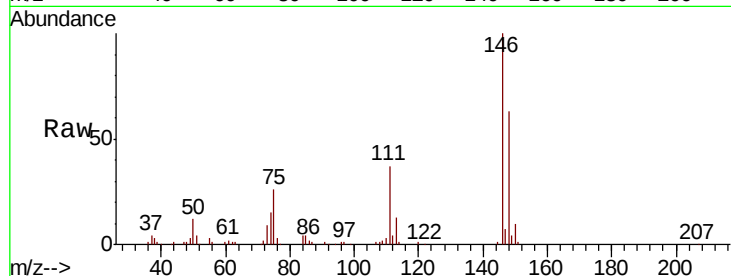
Tot Ion:146 Resp: 106595

Ion Ratio Lower Upper

146 100

111 37.8 19.1 57.5

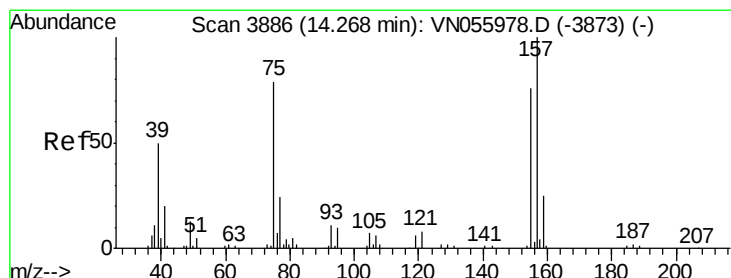
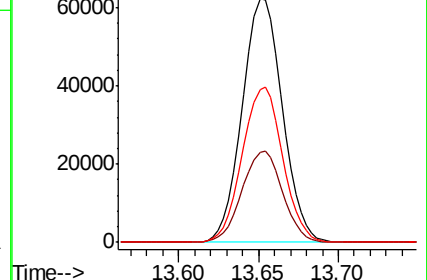
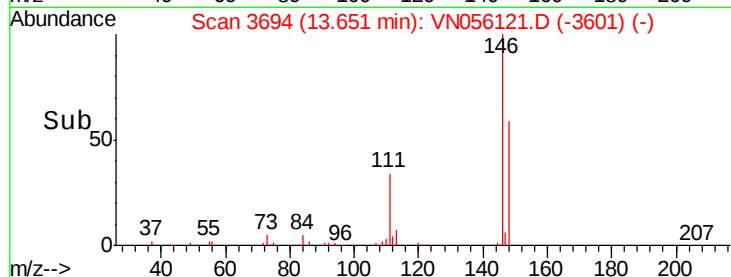
148 64.2 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.973 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

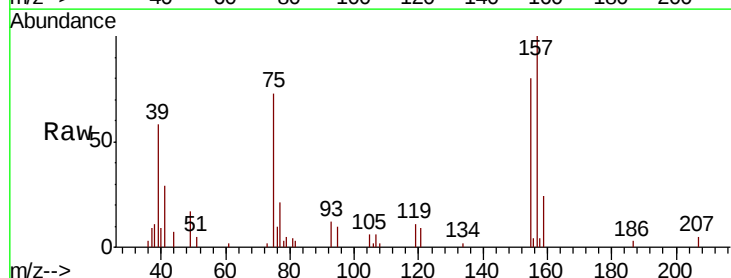
Tgt Ion: 75 Resp: 10355

Ion Ratio Lower Upper

75 100

155 104.5 50.0 150.1

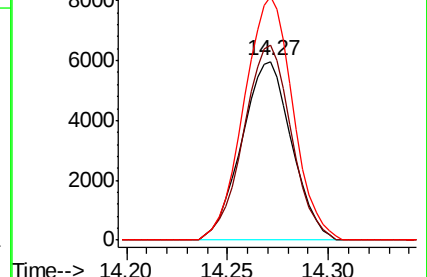
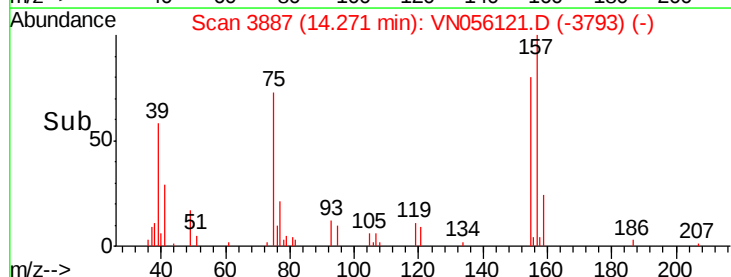
157 133.2 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

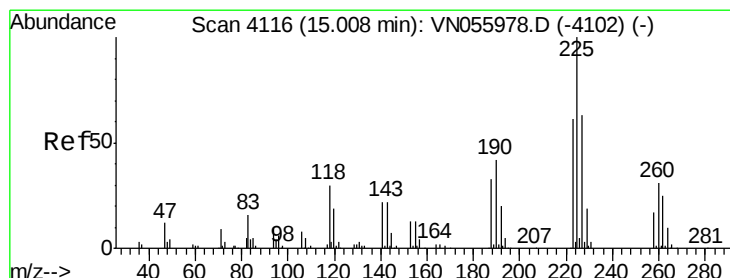
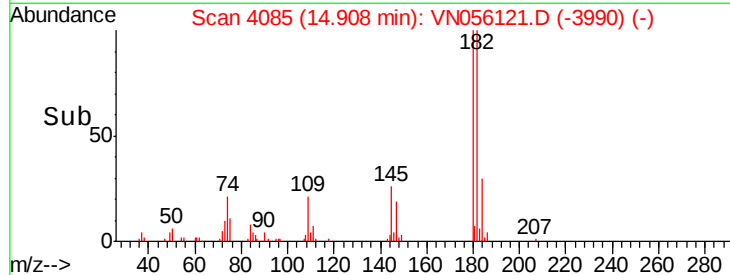
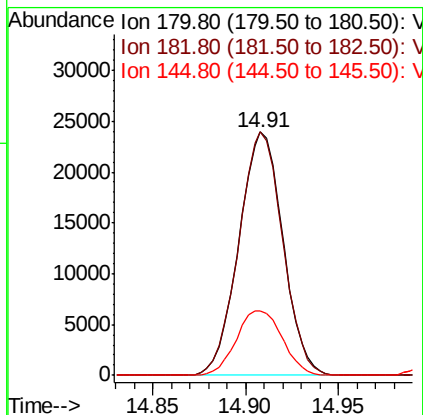
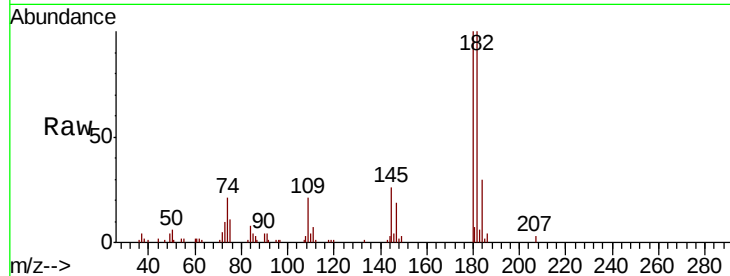




#93
 1,2,4-Trichlorobenzene
 Concen: 16.877 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

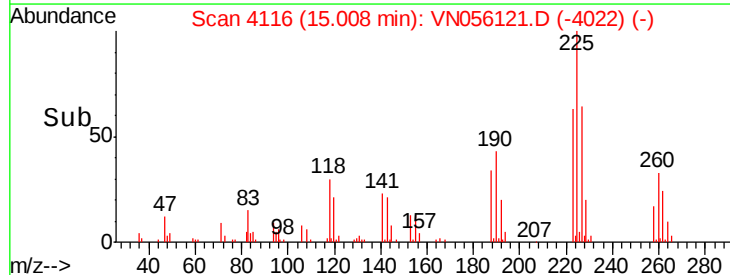
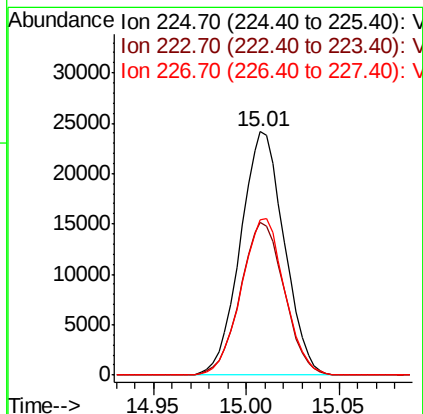
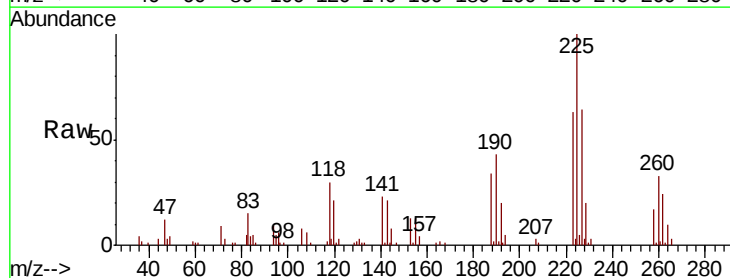
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

Tot Ion:180 Resp: 39680
 Ion Ratio Lower Upper
 180 100
 182 99.3 48.3 144.9
 145 27.7 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 20.805 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion:225 Resp: 39456
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.9 92.7
 227 63.8 31.6 94.7





#95

Naphthalene

Concen: 17.986 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

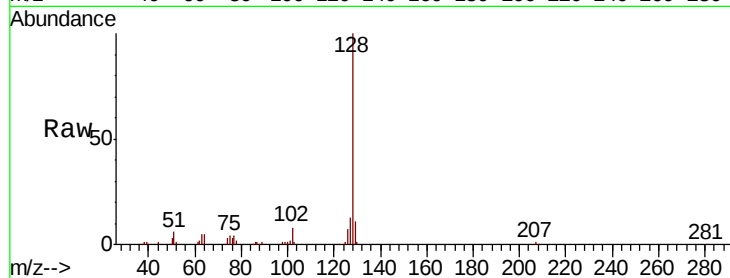
Tot Ion:128 Resp: 114376

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

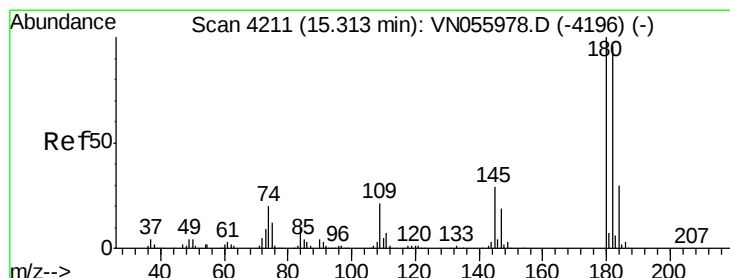
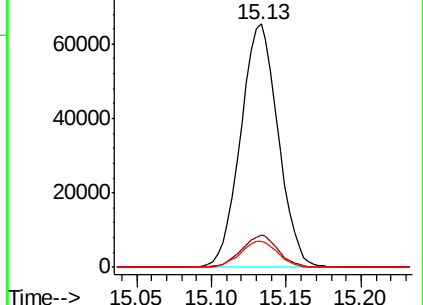
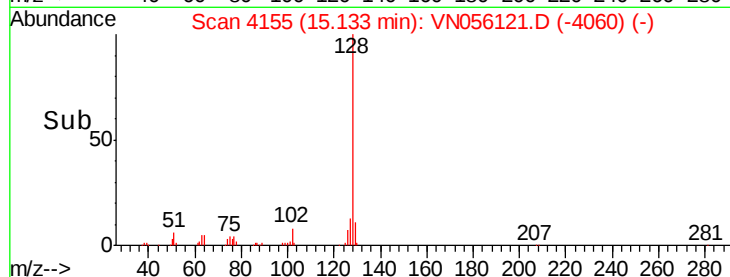
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.696 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

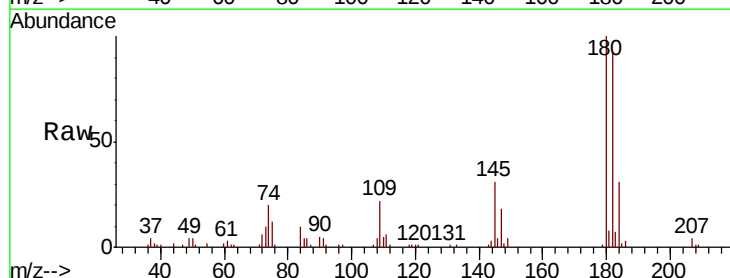
Tgt Ion:180 Resp: 48920

Ion Ratio Lower Upper

180 100

182 93.2 47.9 143.7

145 29.8 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

