

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055598.D
 Acq On : 17 May 2019 9:29
 Operator : JC/SP
 Sample : VSTDICC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 17 23:21:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:16:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	322139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	478576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	389146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141559	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	3586	1.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.14%	
35) Dibromofluoromethane	7.59	113	2894	0.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.84%	
50) Toluene-d8	10.09	98	11322	1.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.02%	
62) 4-Bromofluorobenzene	12.40	95	3864	1.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.08%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	2992	1.101	ug/l 99
3) Chloromethane	2.06	50	3918	1.154	ug/l 97
4) Vinyl Chloride	2.18	62	4104	1.116	ug/l 91
5) Bromomethane	2.57	94	3008	1.130	ug/l # 77
6) Chloroethane	2.71	64	2063	0.878	ug/l 96
7) Trichlorofluoromethane	3.03	101	4954	0.953	ug/l 95
8) Diethyl Ether	3.42	74	1827	0.972	ug/l 84
9) 1,1,2-Trichlorotrifluoroet	3.77	101	3032	0.961	ug/l 97
10) Methyl Iodide	3.96	142	3572	0.778	ug/l # 93
11) Tert butyl alcohol	4.77	59	3395	11.321	ug/l # 74
12) 1,1-Dichloroethene	3.74	96	3290	1.106	ug/l 96
13) Acrolein	3.62	56	2230	13.230	ug/l # 69
14) Allyl chloride	4.32	41	4978	1.091	ug/l # 86
15) Acrylonitrile	5.00	53	6780	6.138	ug/l # 91
16) Acetone	3.81	43	7866	7.868	ug/l 100
17) Carbon Disulfide	4.07	76	9125	1.007	ug/l 99
18) Methyl Acetate	4.33	43	3318	1.434	ug/l # 79
19) Methyl tert-butyl Ether	5.04	73	10385	1.320	ug/l 99
20) Methylene Chloride	4.55	84	3783	1.123	ug/l # 93
21) trans-1,2-Dichloroethene	5.04	96	3378	1.082	ug/l 87
22) Diisopropyl ether	5.95	45	9969	1.174	ug/l 92
23) Vinyl Acetate	5.90	43	38742	6.124	ug/l 100
24) 1,1-Dichloroethane	5.84	63	2755	0.485	ug/l # 90
25) 2-Butanone	6.84	43	9812	7.482	ug/l 99
26) 2,2-Dichloropropane	6.83	77	5579	1.269	ug/l 77
27) cis-1,2-Dichloroethene	6.83	96	3978	1.133	ug/l 92
28) Bromochloromethane	7.19	49	2304	0.929	ug/l # 98
29) Tetrahydrofuran	7.21	42	7330	8.675	ug/l 92
30) Chloroform	7.37	83	6308	1.106	ug/l 91
31) Cyclohexane	7.66	56	10781	1.825	ug/l # 30
32) 1,1,1-Trichloroethane	7.57	97	5822	1.185	ug/l # 48
36) 1,1-Dichloropropene	7.79	75	4930	1.127	ug/l 96
37) Ethyl Acetate	6.94	43	3497	1.308	ug/l # 82
38) Carbon Tetrachloride	7.77	117	2217	0.472	ug/l # 88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	5787	1.154	ug/l	99
40) Benzene	8.05	78	13235	1.030	ug/l	99
41) Methacrylonitrile	7.17	41	1527	1.117	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	4044	1.033	ug/l	92
43) Isopropyl Acetate	8.17	43	6881	1.360	ug/l #	83
44) Trichloroethene	8.83	130	3719	1.032	ug/l	92
45) 1,2-Dichloropropane	9.12	63	3443	1.043	ug/l	99
46) Dibromomethane	9.21	93	2187	1.085	ug/l	97
47) Bromodichloromethane	9.40	83	5120	1.211	ug/l #	97
48) Methyl methacrylate	9.20	41	2537	1.165	ug/l #	75
49) 1,4-Dioxane	9.20	88	1132	32.060	ug/l #	71
51) 4-Methyl-2-Pentanone	9.99	43	19837	8.224	ug/l	100
52) Toluene	10.15	92	8534	1.123	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	4646	1.114	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	5246	1.090	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	3714	1.309	ug/l	92
56) Ethyl methacrylate	10.43	69	5631	1.660	ug/l	93
57) 1,3-Dichloropropane	10.71	76	5253	1.118	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	9497	6.359	ug/l	100
59) 2-Hexanone	10.75	43	12927	7.798	ug/l	99
60) Dibromochloromethane	10.90	129	3693	1.123	ug/l	100
61) 1,2-Dibromoethane	11.00	107	3231	1.144	ug/l	97
64) Tetrachloroethene	10.63	164	3241	0.947	ug/l	87
65) Chlorobenzene	11.43	112	8512	1.048	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	3514	1.175	ug/l #	64
67) Ethyl Benzene	11.51	91	15480	1.169	ug/l	95
68) m/p-Xylenes	11.62	106	11385	2.235	ug/l	100
69) o-Xylene	11.95	106	5717	1.163	ug/l	99
70) Styrene	11.96	104	8565	1.100	ug/l	99
71) Bromoform	12.13	173	2626	1.189	ug/l #	98
73) Isopropylbenzene	12.25	105	15078	1.504	ug/l	99
74) N-amyl acetate	12.07	43	3593	1.403	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	4745	1.895	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	4900	2.253	ug/l #	100
77) Bromobenzene	12.53	156	3480	1.298	ug/l	94
78) n-propylbenzene	12.59	91	15704	1.407	ug/l	99
79) 2-Chlorotoluene	12.67	91	9862	1.462	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	12535	1.507	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	1102	1.565	ug/l	93
82) 4-Chlorotoluene	12.77	91	9047	1.348	ug/l	99
83) tert-Butylbenzene	12.99	119	11309	1.521	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	11966	1.441	ug/l	100
85) sec-Butylbenzene	13.17	105	13704	1.377	ug/l	100
86) p-Isopropyltoluene	13.29	119	12634	1.453	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	5500	1.180	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	5500	1.174	ug/l	97
89) n-Butylbenzene	13.62	91	8366	1.173	ug/l	98
90) Hexachloroethane	13.87	117	2343	1.383	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	5631	1.229	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	648	1.640	ug/l	91

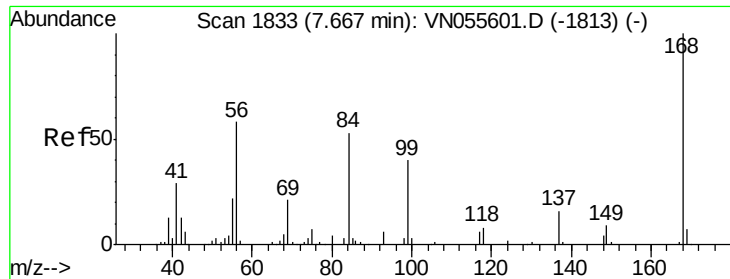
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1926	0.804	ug/l	92
94) Hexachlorobutadiene	15.01	225	2058	1.081	ug/l	93
95) Naphthalene	15.13	128	5336	1.108	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	2387	1.022	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

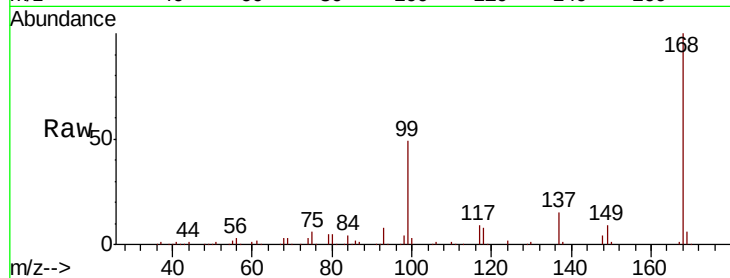
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 322139

Ion Ratio Lower Upper

168 100

99 48.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

150000

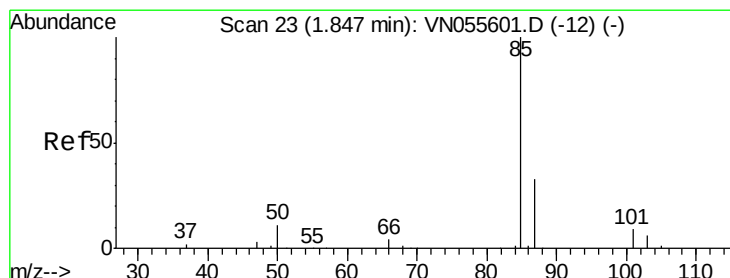
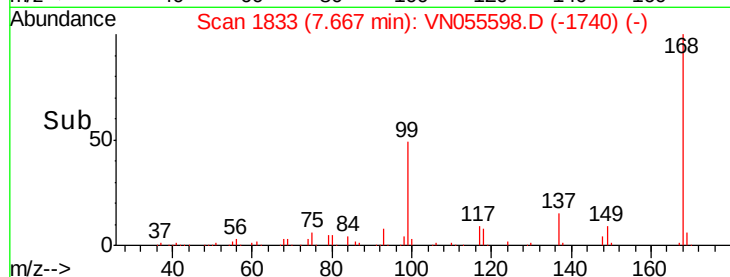
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 1.101 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055598.D

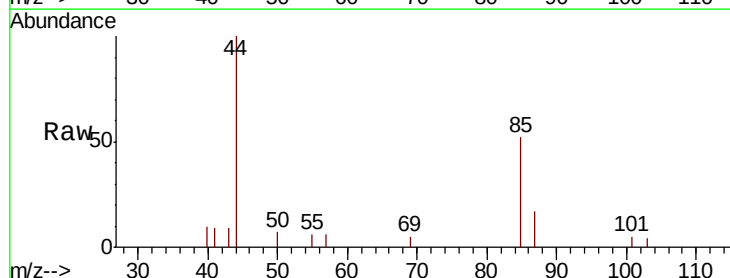
Acq: 17 May 2019 9:29

Tgt Ion: 85 Resp: 2992

Ion Ratio Lower Upper

85 100

87 33.4 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

2000

1500

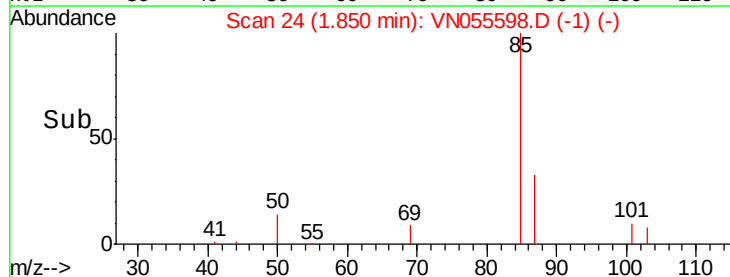
1000

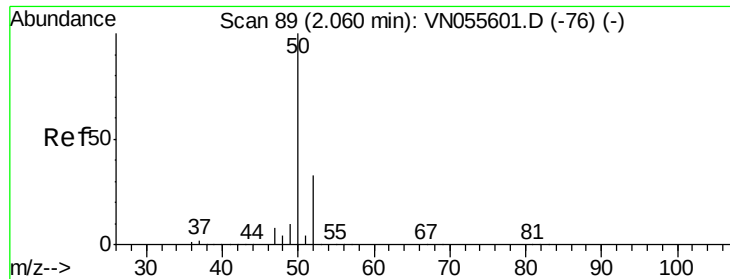
500

0

Time-->

1.80 1.85 1.90





#3

Chloromethane

Concen: 1.154 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

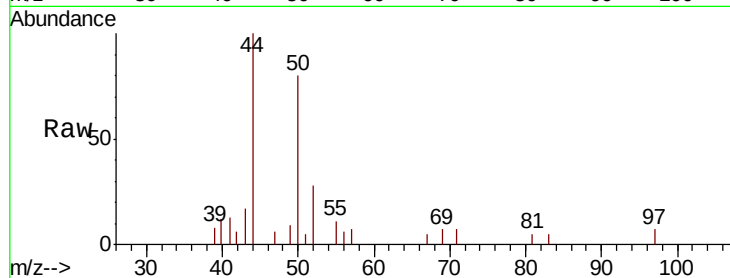
ClientSampled :

Tot Ion: 50 Resp: 3918

Ion Ratio Lower Upper

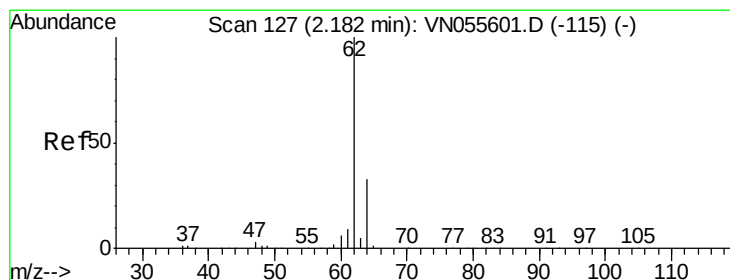
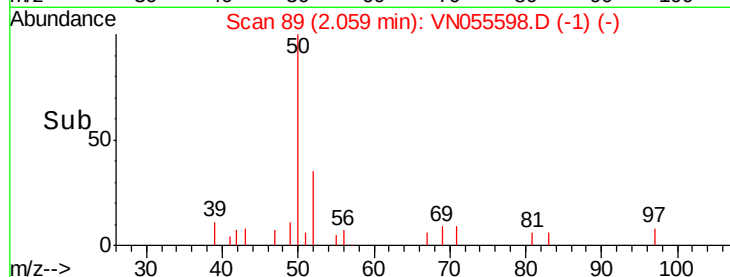
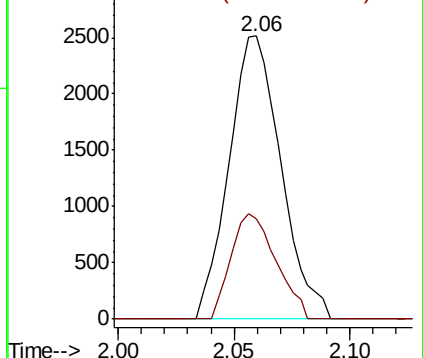
50 100

52 35.4 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 1.116 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055598.D

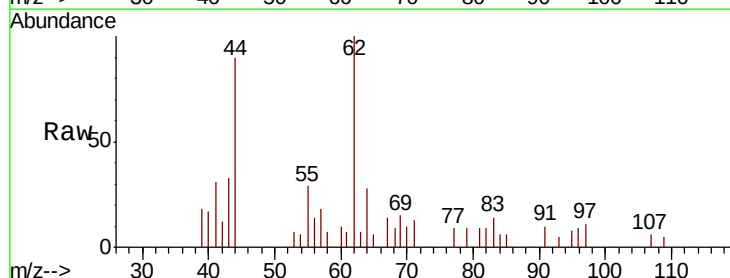
Acq: 17 May 2019 9:29

Tgt Ion: 62 Resp: 4104

Ion Ratio Lower Upper

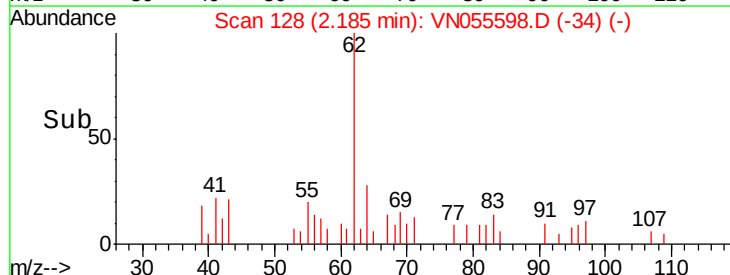
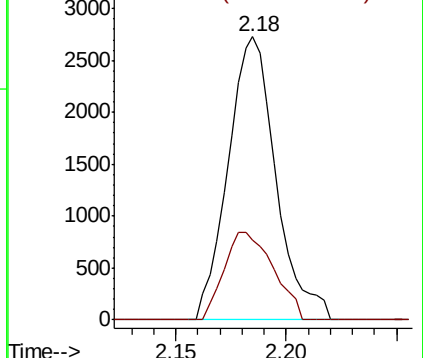
62 100

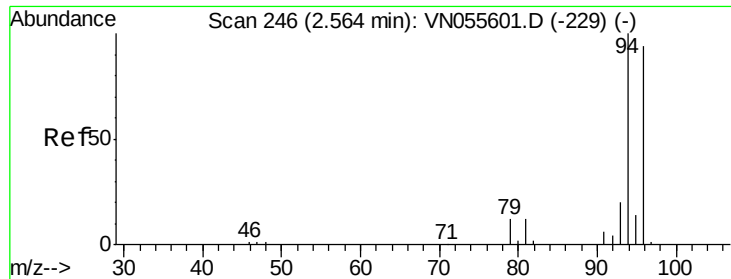
64 28.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

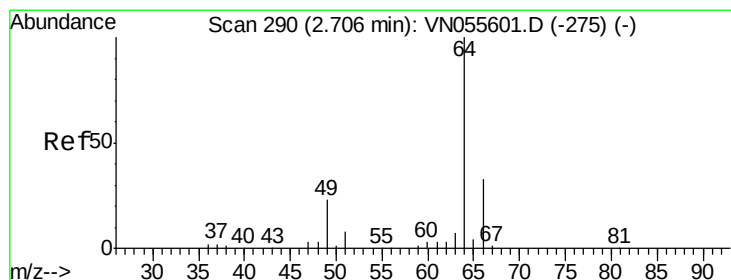
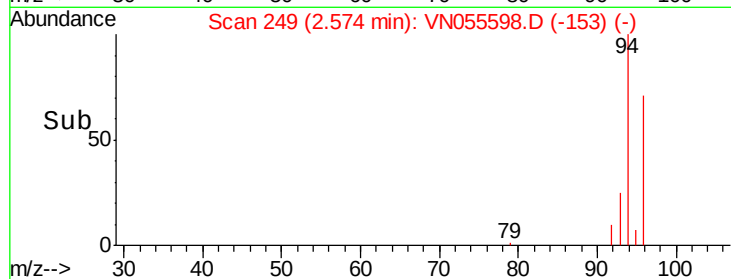
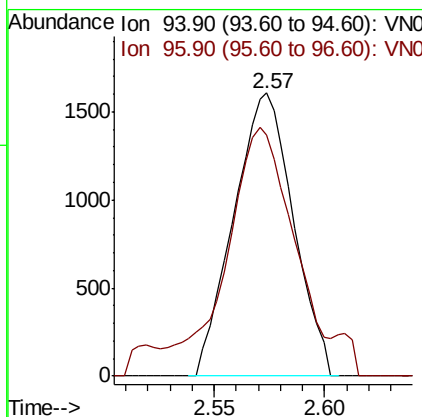
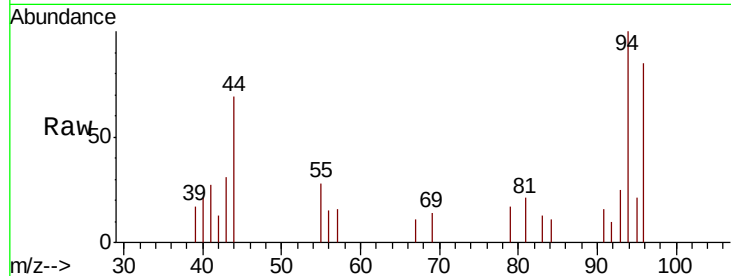




#5
Bromomethane
Concen: 1.130 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.01 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

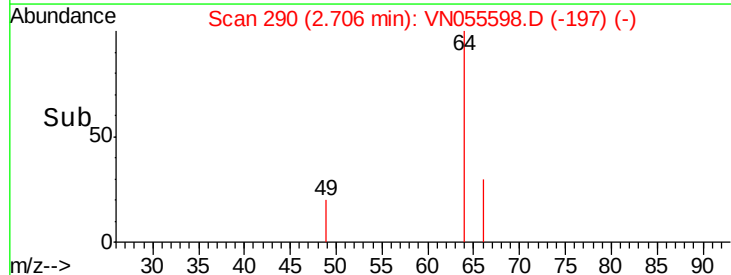
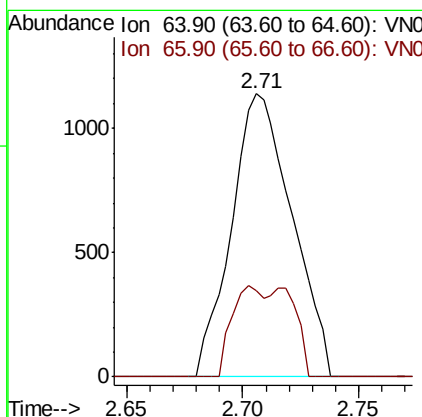
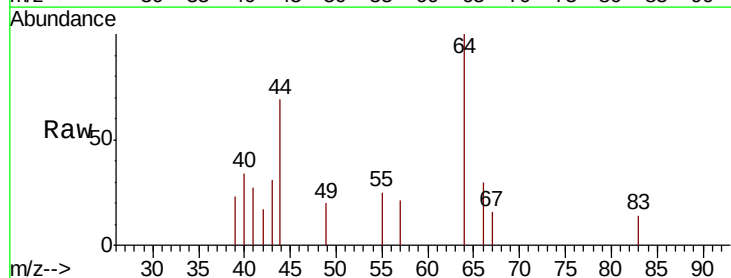
Instrument :
MSVOA_N
ClientSampled :

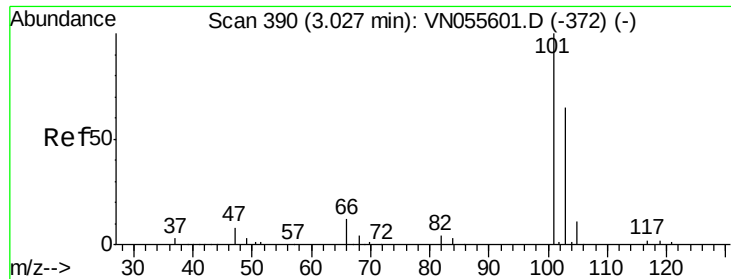
Tot Ion: 94 Resp: 3008
Ion Ratio Lower Upper
94 100
96 71.9 75.2 112.8#



#6
Chloroethane
Concen: 0.878 ug/l
RT: 2.71 min Scan# 290
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion: 64 Resp: 2063
Ion Ratio Lower Upper
64 100
66 30.5 26.2 39.4



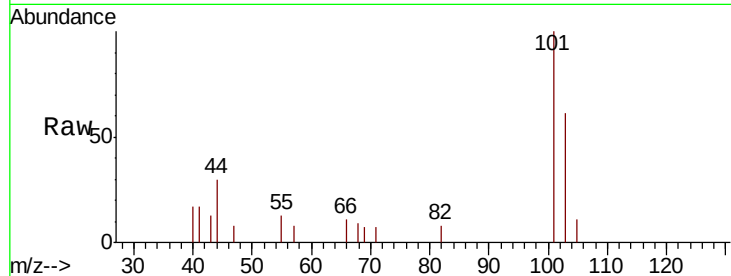


#7

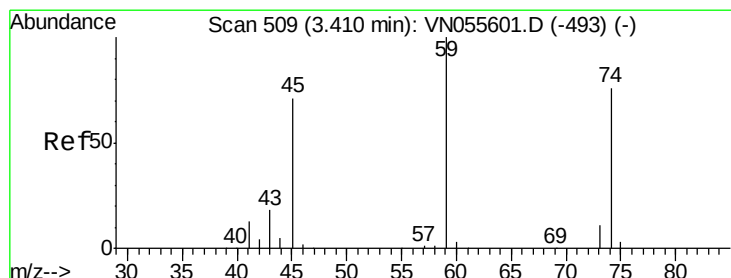
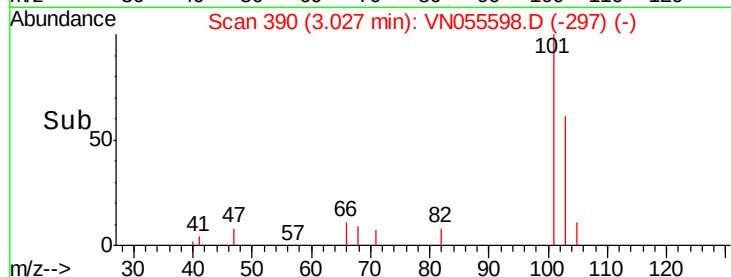
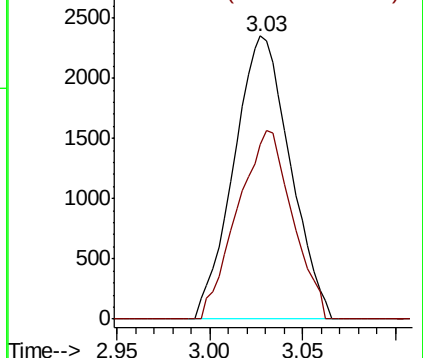
Trichlorofluoromethane
 Concen: 0.953 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 4954
 Ion Ratio Lower Upper
 101 100
 103 61.4 52.3 78.5



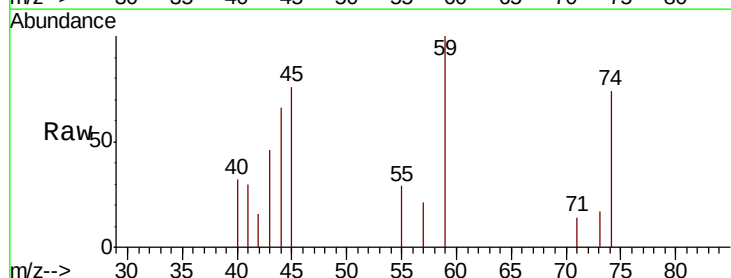
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



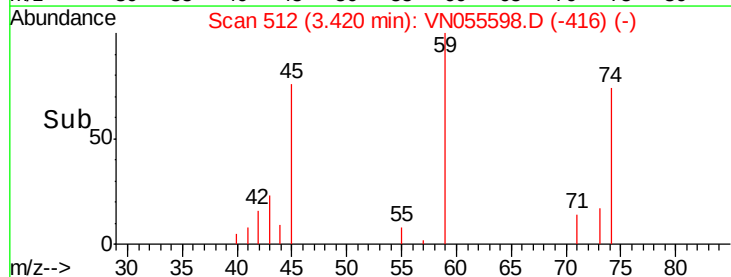
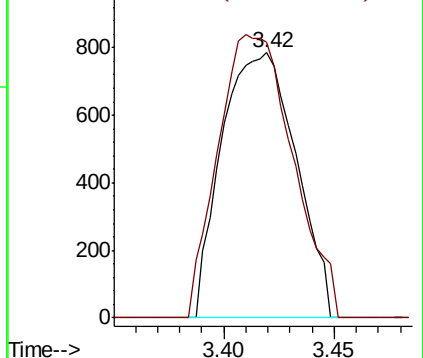
#8

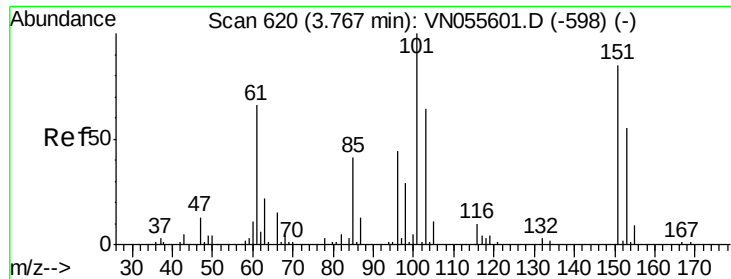
Diethyl Ether
 Concen: 0.972 ug/l
 RT: 3.42 min Scan# 512
 Delta R.T. 0.01 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Tgt Ion: 74 Resp: 1827
 Ion Ratio Lower Upper
 74 100
 45 108.0 46.4 139.2



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO

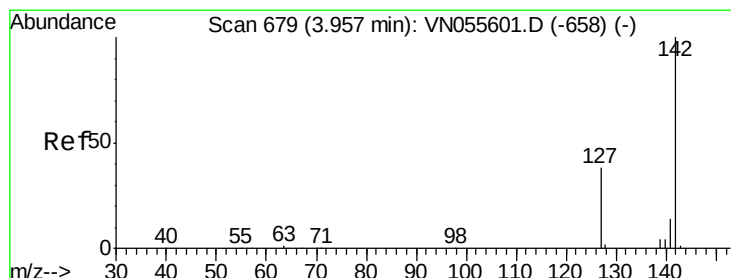
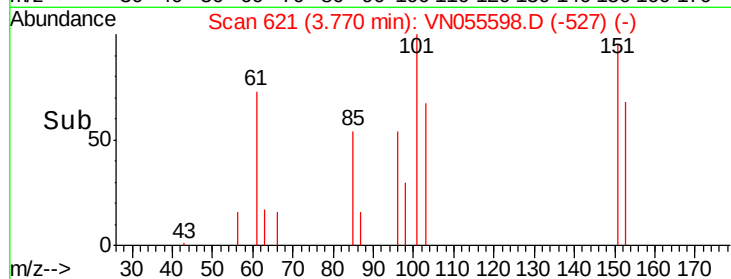
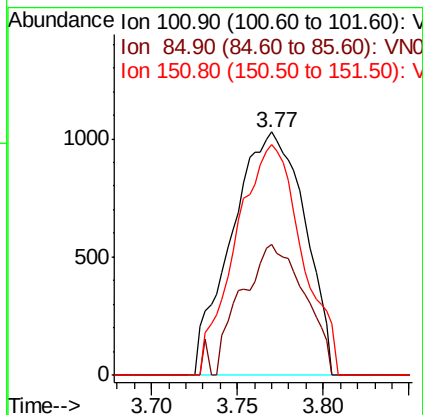
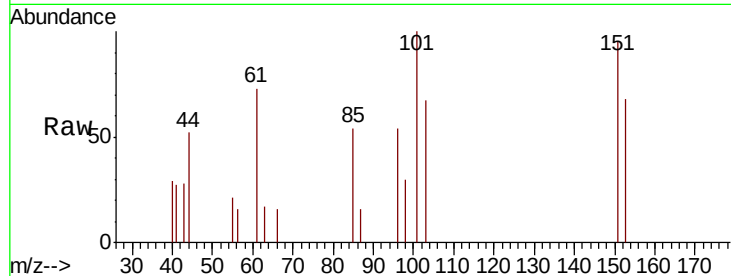




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.961 ug/l
 RT: 3.77 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

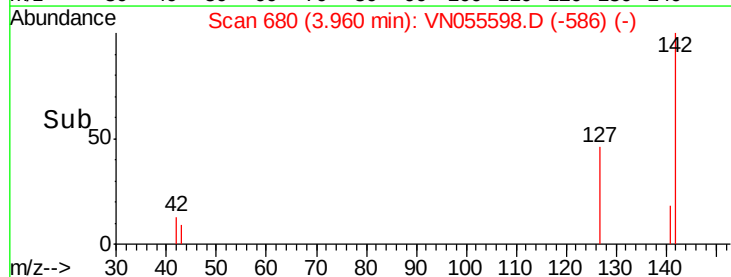
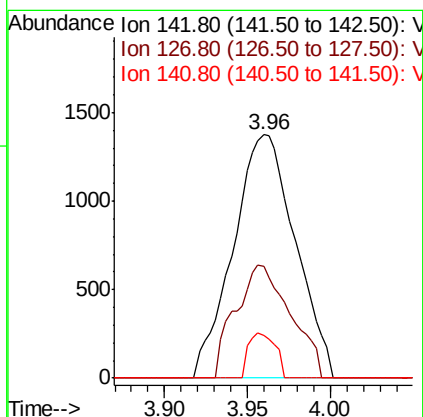
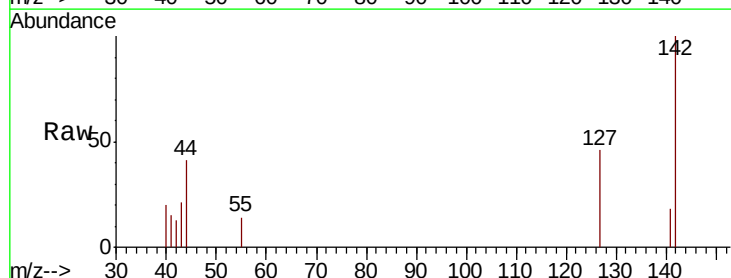
Instrument :
 MSVOA_N
 ClientSampled :

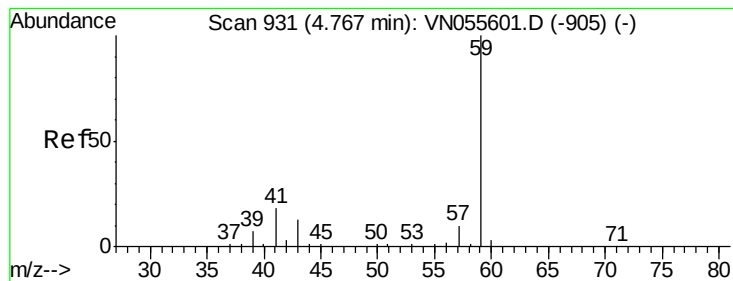
Tot Ion:101 Resp: 3032
 Ion Ratio Lower Upper
 101 100
 85 46.5 33.4 50.0
 151 86.2 69.3 103.9



#10
 Methyl Iodide
 Concen: 0.778 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Tgt Ion:142 Resp: 3572
 Ion Ratio Lower Upper
 142 100
 127 41.2 31.0 46.4
 141 8.0 11.5 17.3#



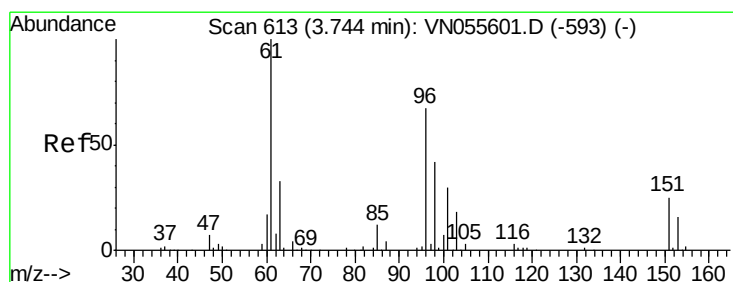
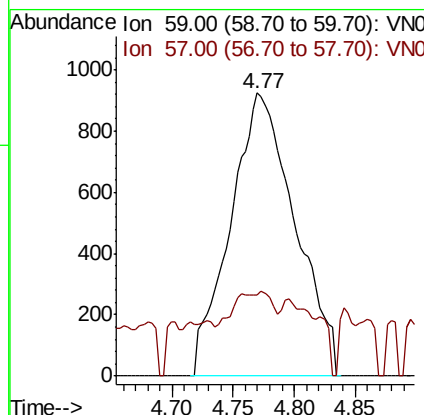
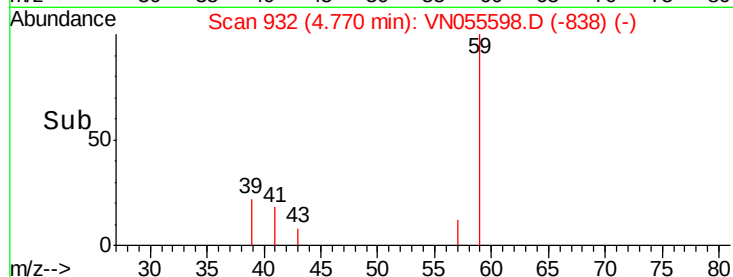
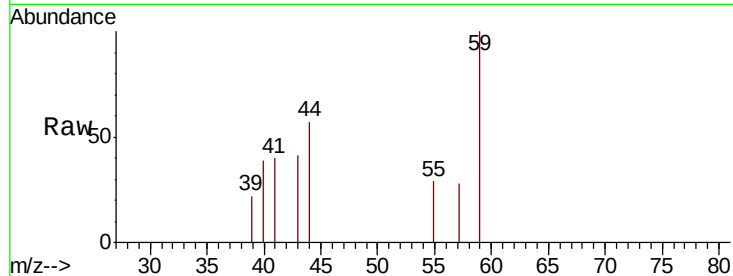


#11

Tert butyl alcohol
Concen: 11.321 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Instrument :
MSVOA_N
ClientSampled :

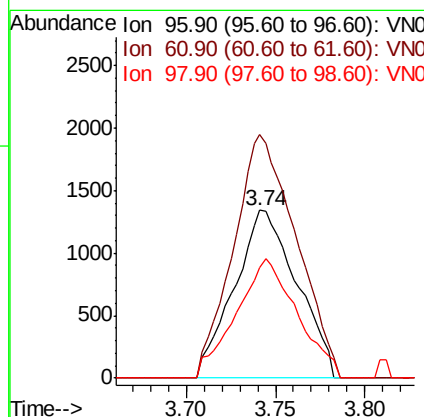
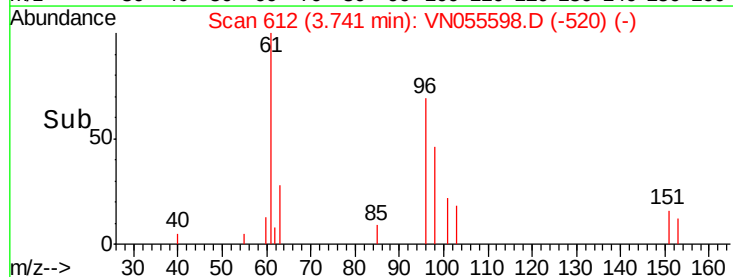
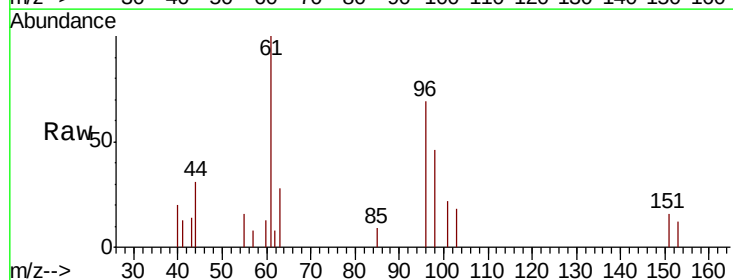
Tot Ion: 59 Resp: 3395
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

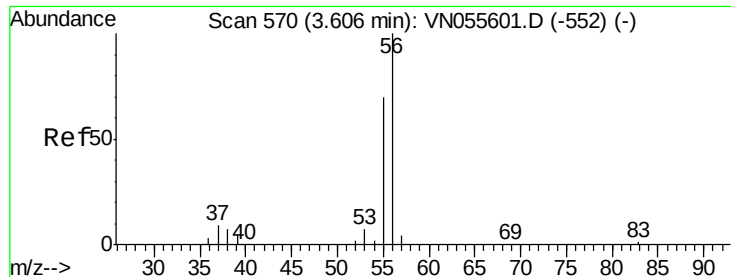


#12

1,1-Dichloroethene
Concen: 1.106 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion: 96 Resp: 3290
Ion Ratio Lower Upper
96 100
61 145.1 120.2 180.2
98 66.2 50.6 75.8





#13

Acrolein

Concen: 13.230 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

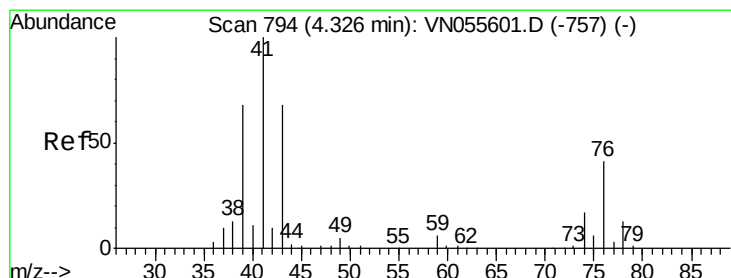
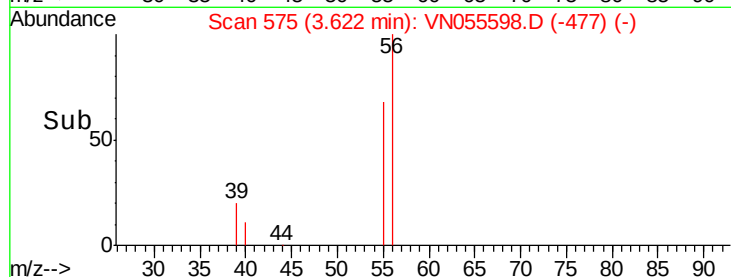
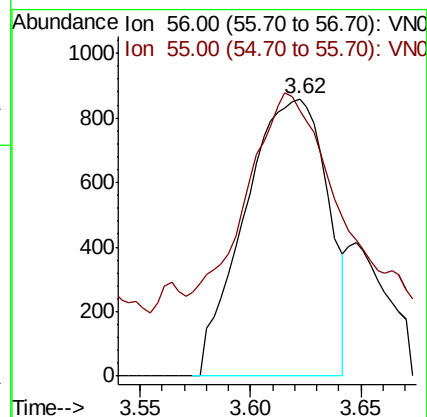
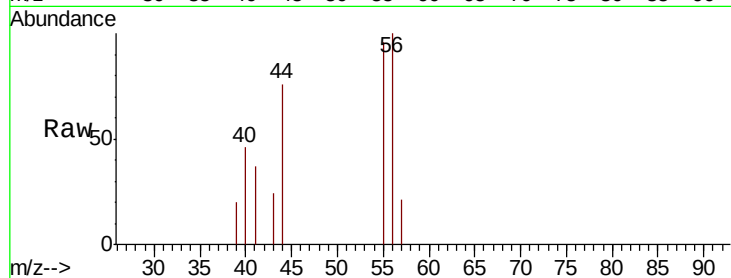
ClientSampleId :

Tot Ion: 56 Resp: 2230

Ion Ratio Lower Upper

56 100

55 96.3 56.5 84.7#



#14

Allyl chloride

Concen: 1.091 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

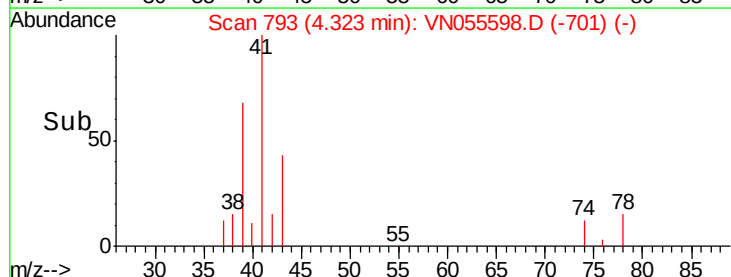
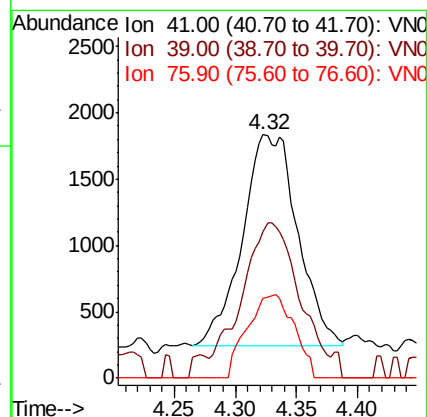
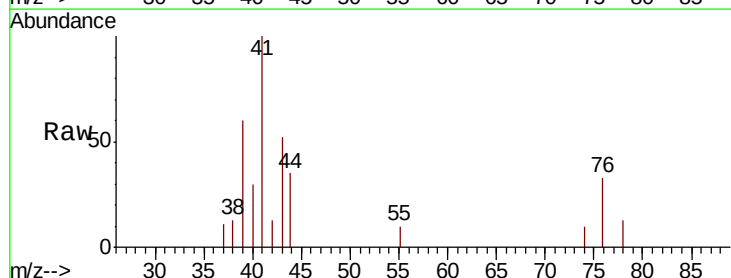
Tgt Ion: 41 Resp: 4978

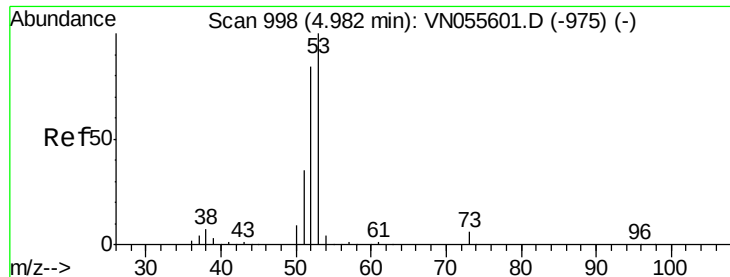
Ion Ratio Lower Upper

41 100

39 78.4 50.5 75.7#

76 33.5 29.2 43.8





#15

Acrylonitrile

Concen: 6.138 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

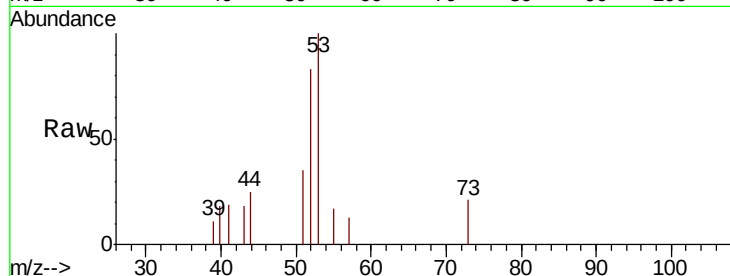
Tot Ion: 53 Resp: 6780

Ion Ratio Lower Upper

53 100

52 79.7 66.2 99.4

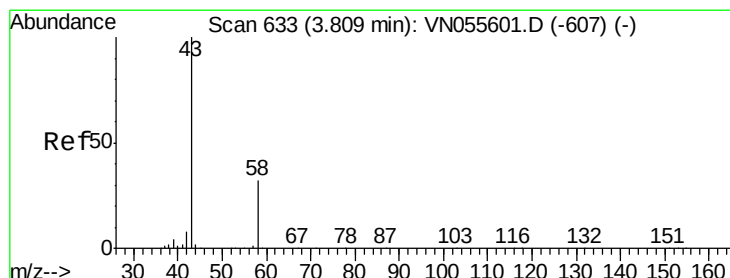
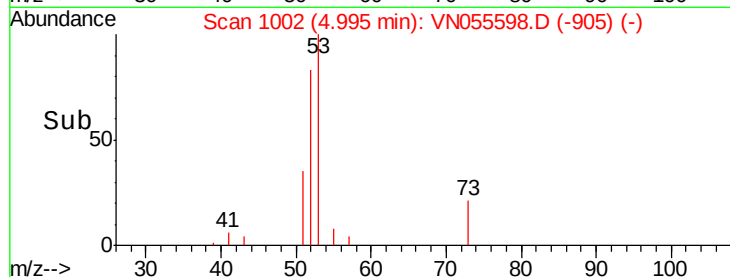
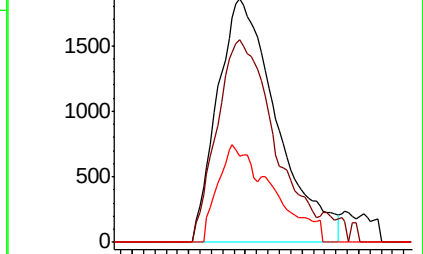
51 23.0 28.5 42.7#



Abundance Ion 53.00 (52.70 to 53.70): VN055598.D (-1002) (-)

Ion 52.00 (51.70 to 52.70): VN055598.D (-1002) (-)

Ion 51.00 (50.70 to 51.70): VN055598.D (-1002) (-)



#16

Acetone

Concen: 7.868 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN055598.D

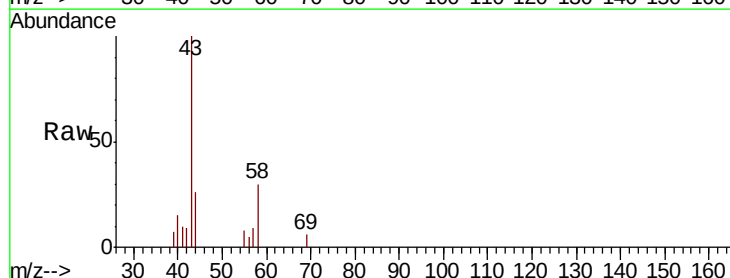
Acq: 17 May 2019 9:29

Tgt Ion: 43 Resp: 7866

Ion Ratio Lower Upper

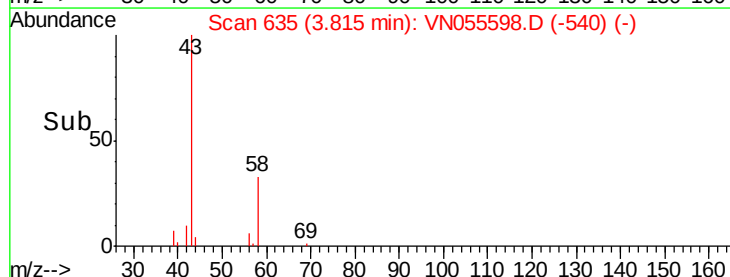
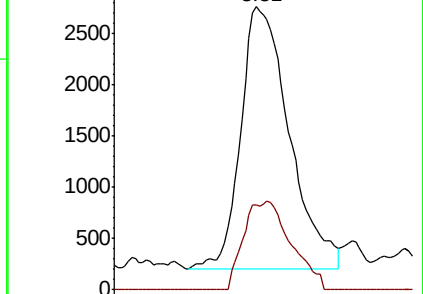
43 100

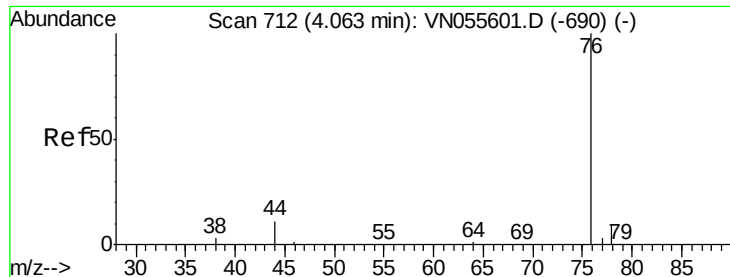
58 32.3 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN055598.D (-635) (-)

Ion 58.00 (57.70 to 58.70): VN055598.D (-635) (-)

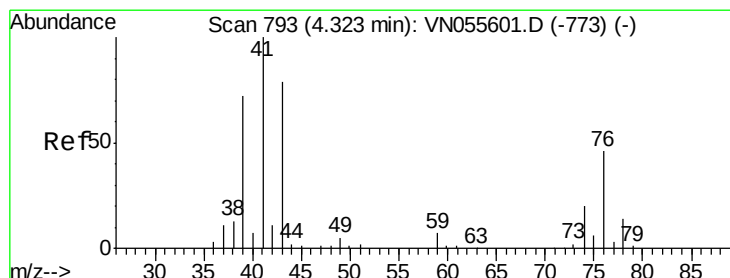
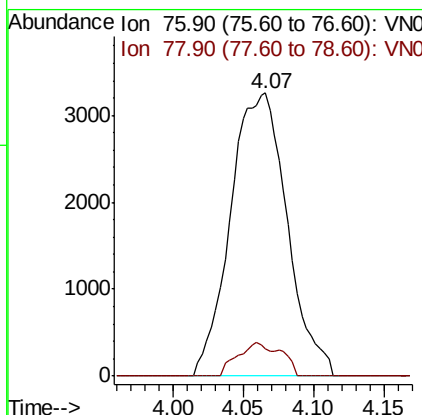
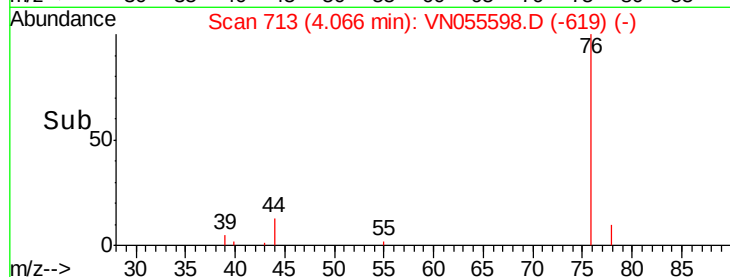
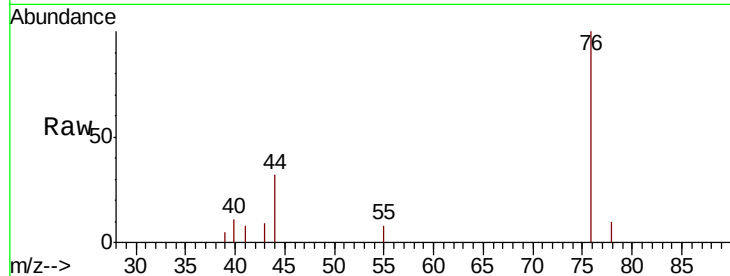




#17
Carbon Disulfide
Concen: 1.007 ug/l
RT: 4.07 min Scan# 713
Delta R.T. 0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

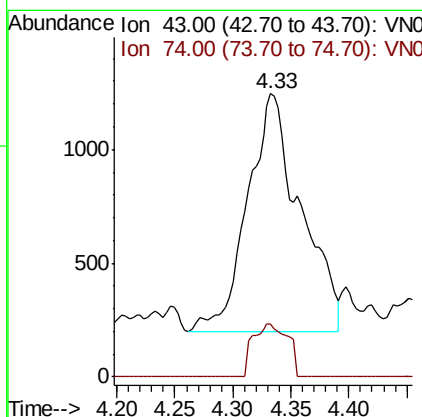
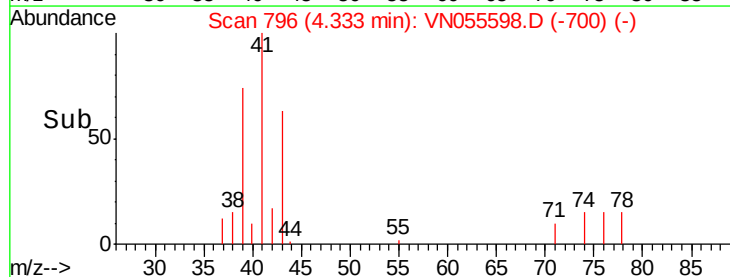
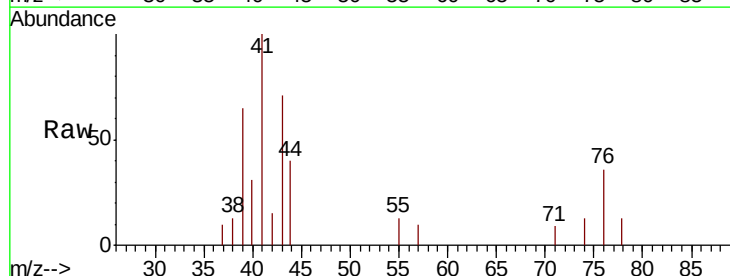
Instrument :
MSVOA_N
ClientSampled :

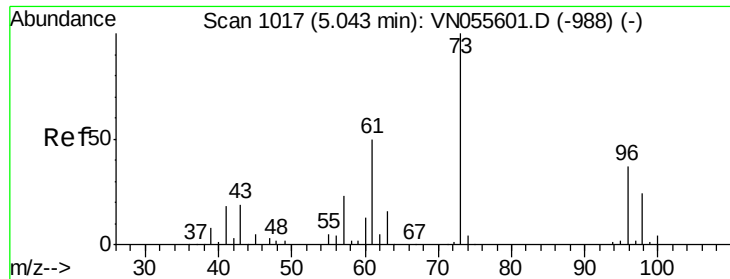
Tot Ion: 76 Resp: 9125
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#18
Methyl Acetate
Concen: 1.434 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion: 43 Resp: 3318
Ion Ratio Lower Upper
43 100
74 14.6 19.9 29.9#

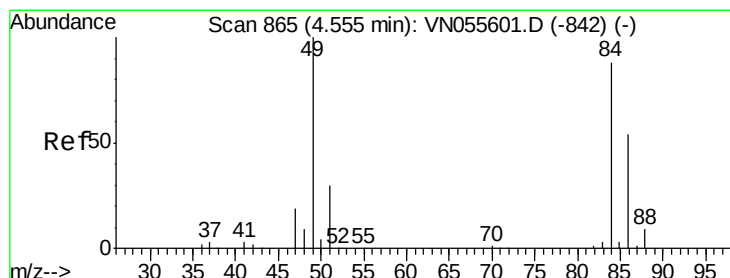
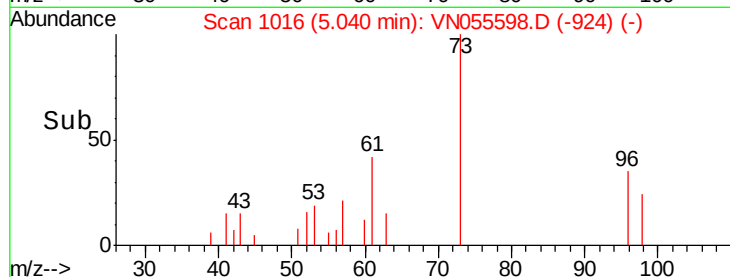
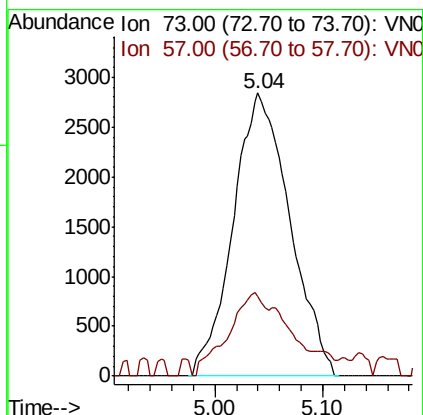
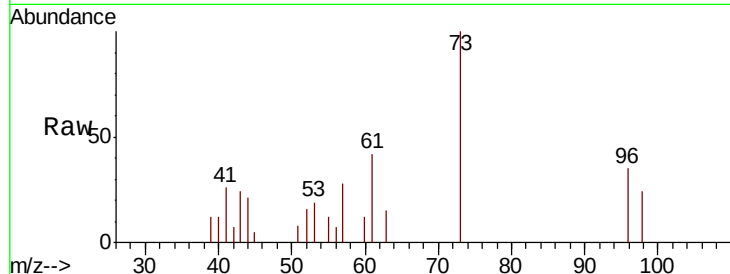




#19
Methyl tert-butyl Ether
Concen: 1.320 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

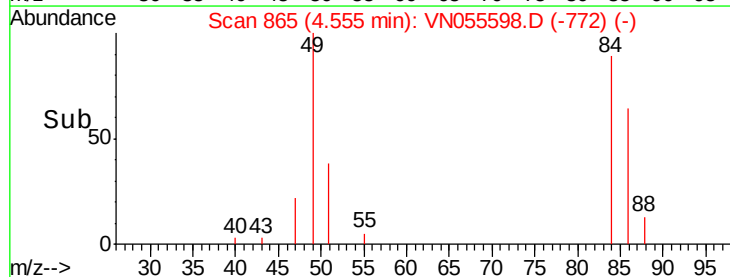
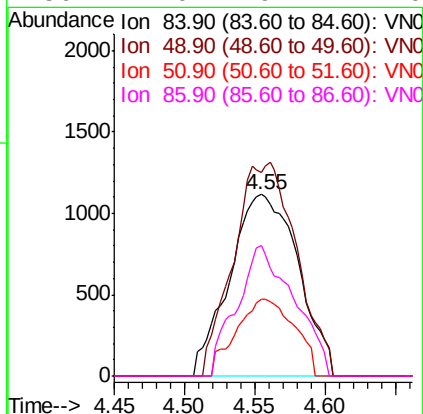
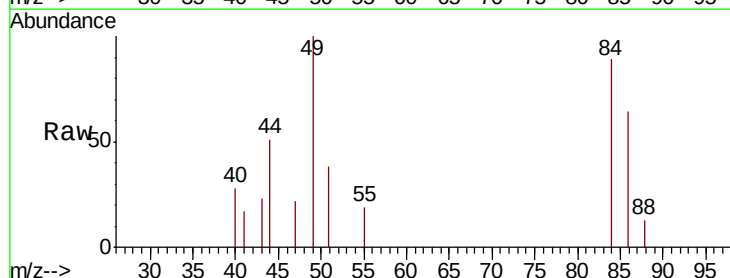
Instrument :
MSVOA_N
ClientSampled :

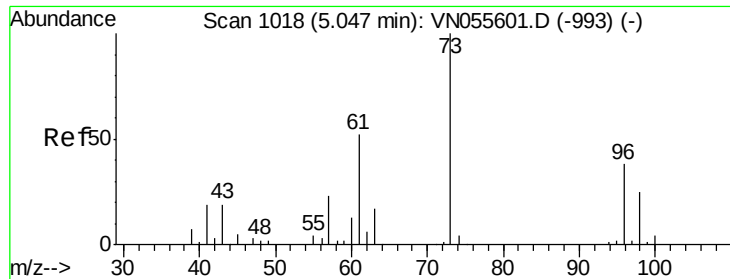
Tot Ion: 73 Resp: 10385
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.2



#20
Methylene Chloride
Concen: 1.123 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion: 84 Resp: 3783
Ion Ratio Lower Upper
84 100
49 112.3 91.0 136.4
51 42.2 27.5 41.3#
86 72.0 49.4 74.0



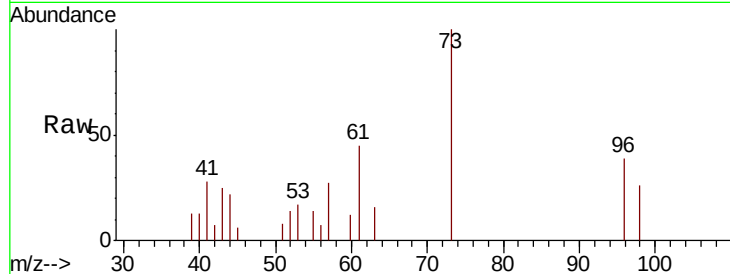


#21

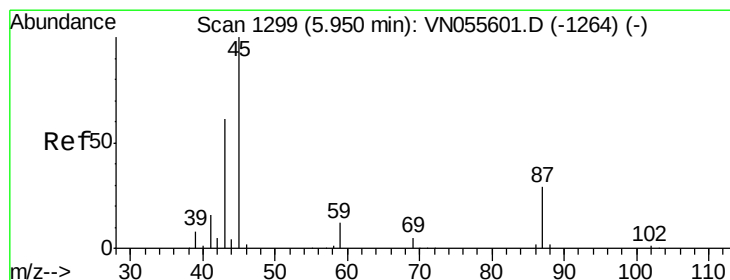
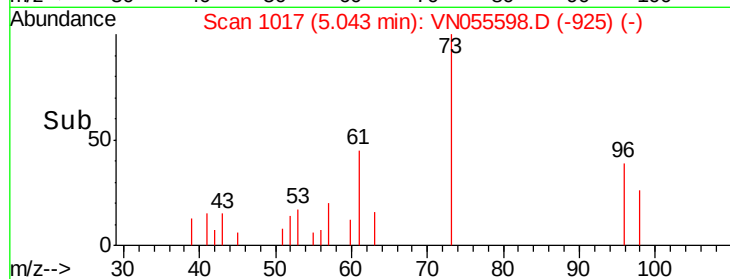
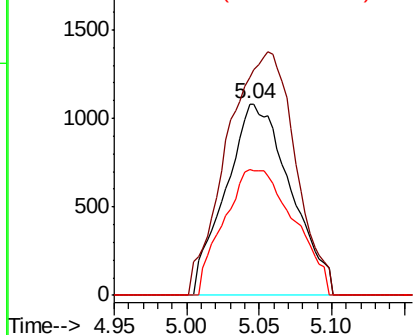
trans-1,2-Dichloroethene
Concen: 1.082 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 3378
Ion Ratio Lower Upper
96 100
61 114.0 108.6 162.8
98 66.0 51.4 77.0



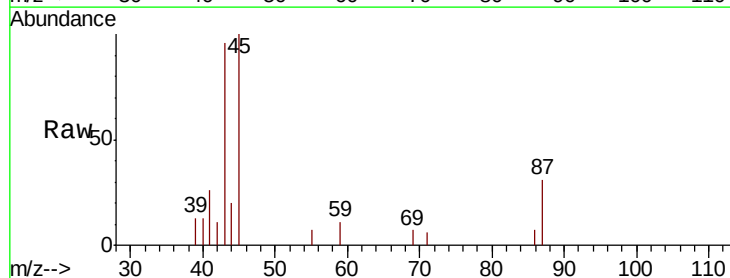
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



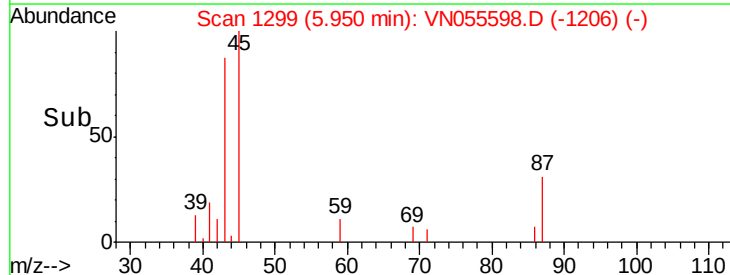
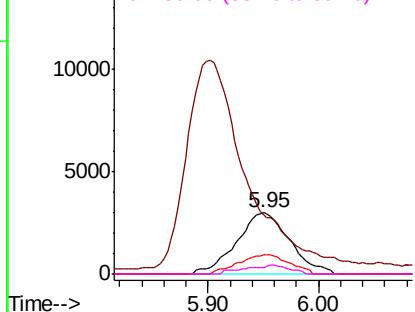
#22

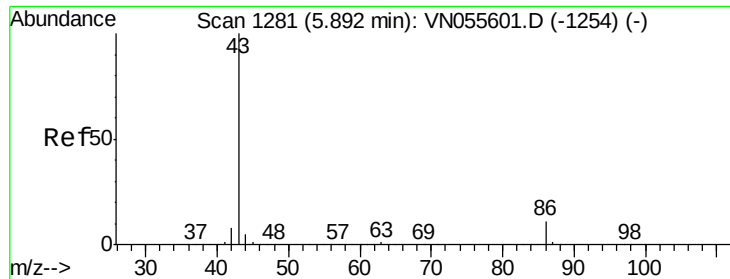
Diisopropyl ether
Concen: 1.174 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion: 45 Resp: 9969
Ion Ratio Lower Upper
45 100
43 72.3 50.4 75.6
87 30.5 23.8 35.6
59 11.4 9.5 14.3



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

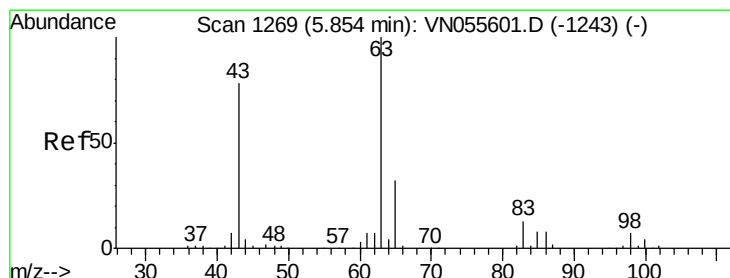
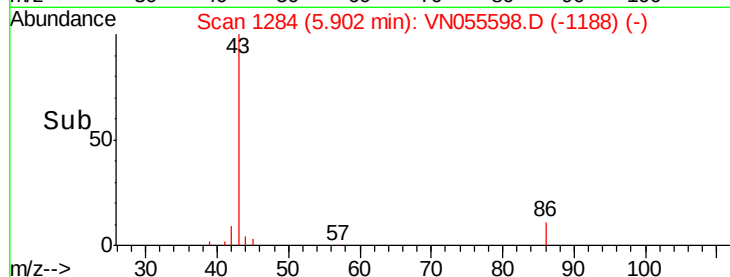
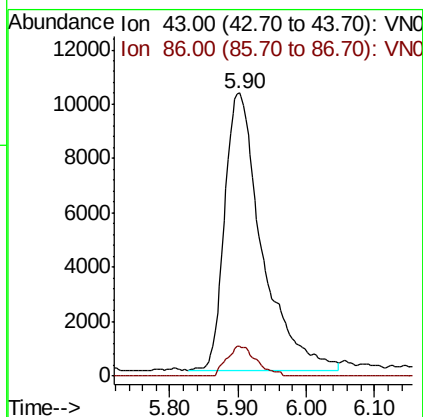
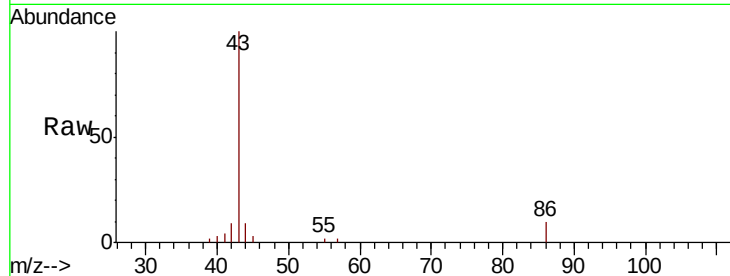




#23
 Vinyl Acetate
 Concen: 6.124 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

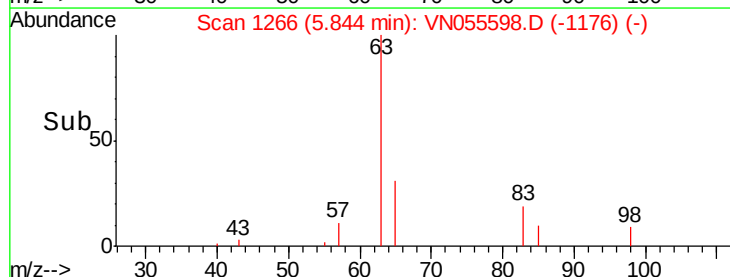
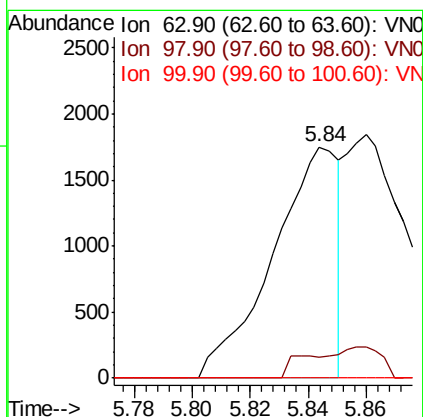
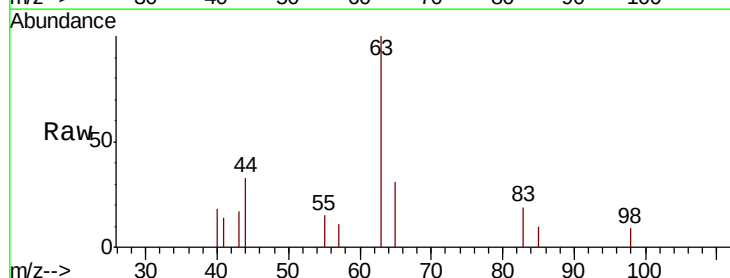
Instrument :
 MSVOA_N
 ClientSampleId :

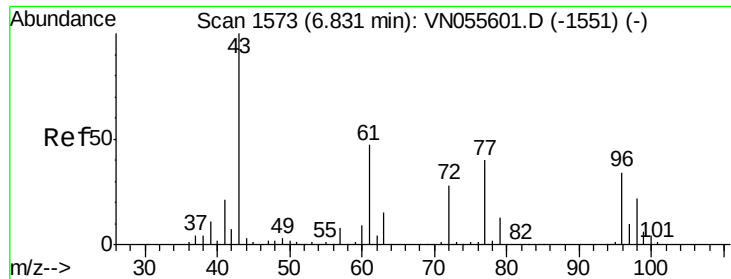
Tot Ion: 43 Resp: 38742
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 0.485 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Tgt Ion: 63 Resp: 2755
 Ion Ratio Lower Upper
 63 100
 98 9.2 3.4 10.2
 100 0.0 2.2 6.6#

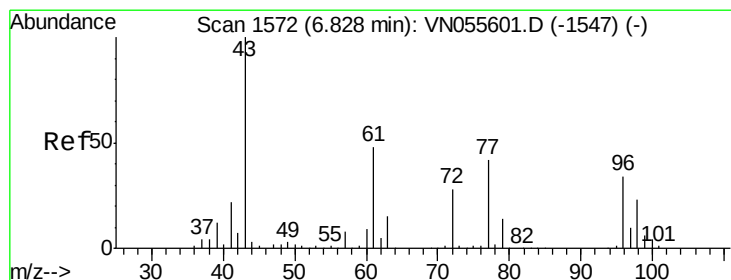
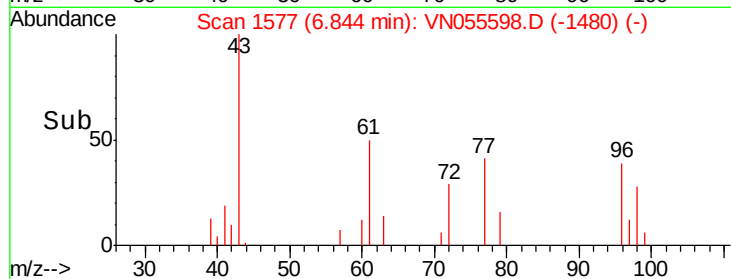
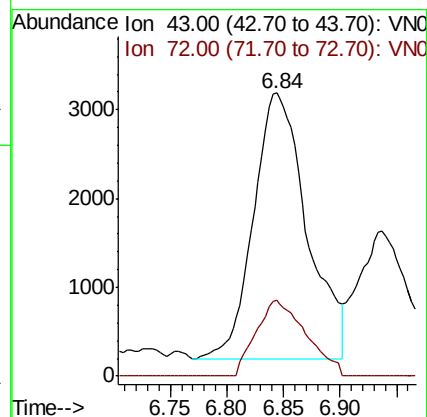
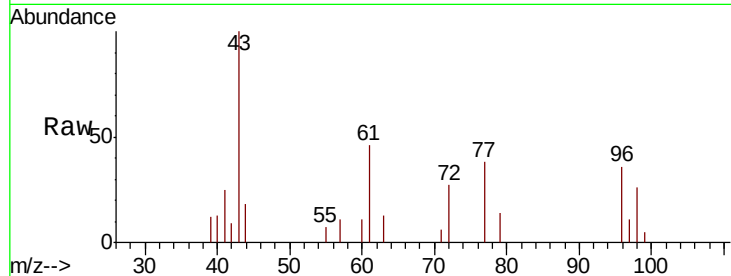




#25
2-Butanone
Concen: 7.482 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

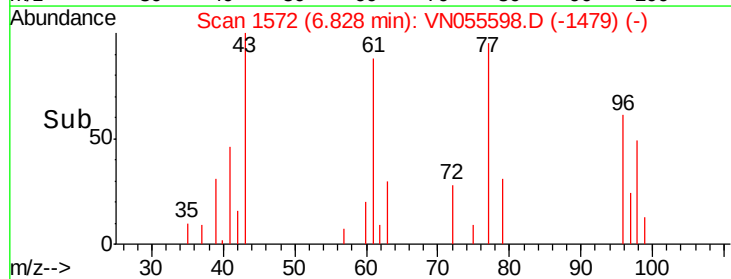
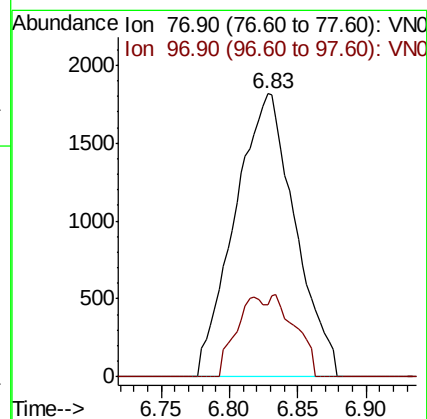
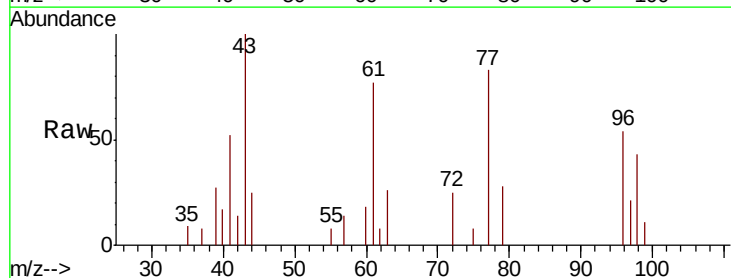
Instrument :
MSVOA_N
ClientSampled :

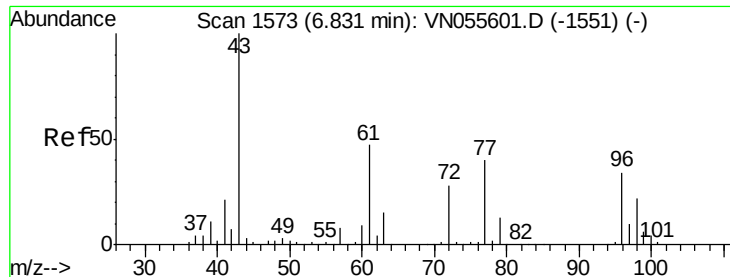
Tot Ion: 43 Resp: 9812
Ion Ratio Lower Upper
43 100
72 28.5 22.3 33.5



#26
2,2-Dichloropropane
Concen: 1.269 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion: 77 Resp: 5579
Ion Ratio Lower Upper
77 100
97 12.9 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 1.133 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :
MSVOA_N
ClientSampled :

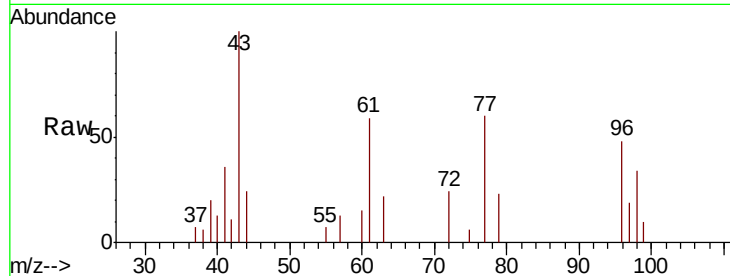
Tot Ion: 96 Resp: 3978

Ion Ratio Lower Upper

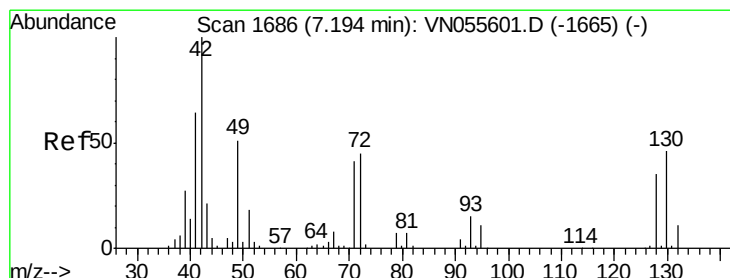
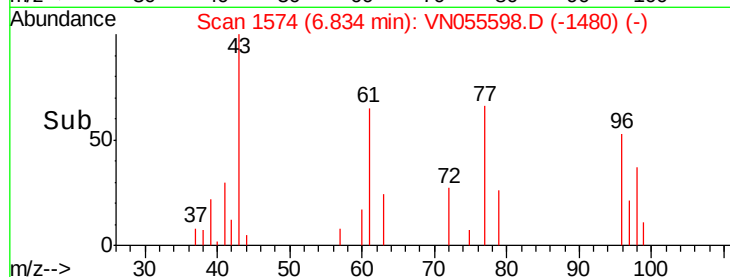
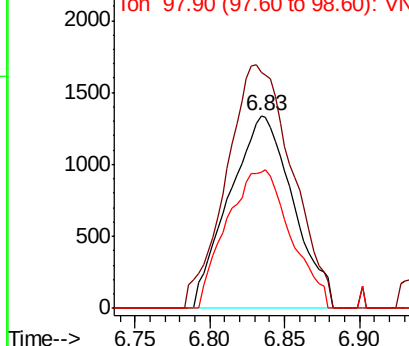
96 100

61 130.3 0.0 279.0

98 71.8 0.0 131.6



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: 0.929 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

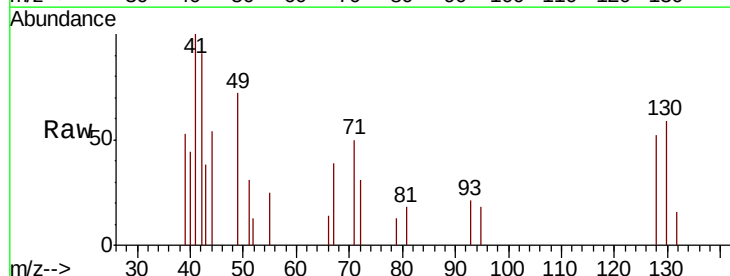
Tgt Ion: 49 Resp: 2304

Ion Ratio Lower Upper

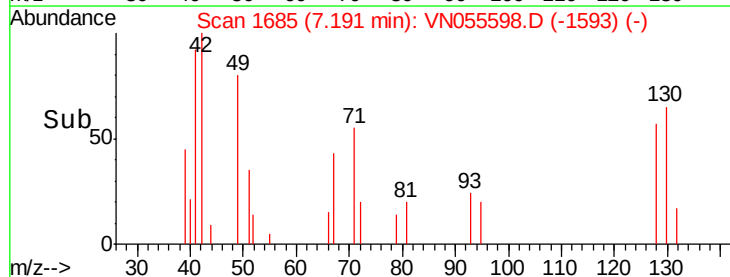
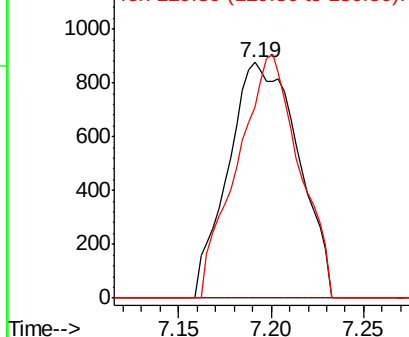
49 100

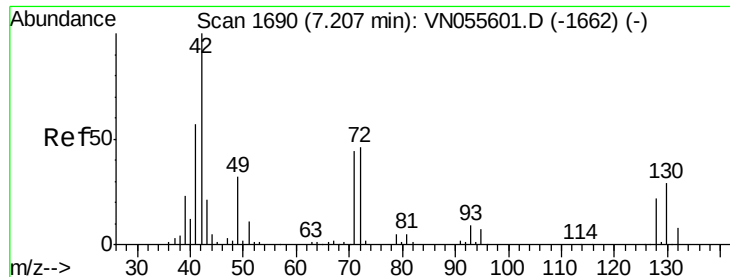
129 0.0 0.0 4.4

130 91.0 71.0 106.6



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

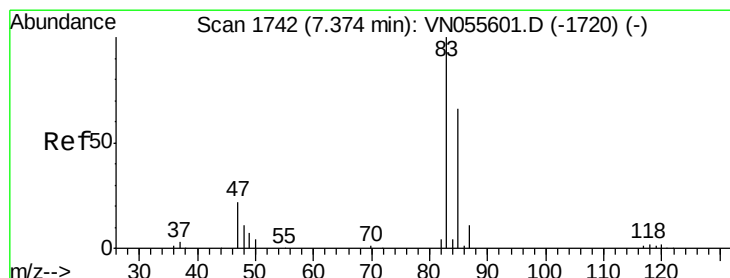
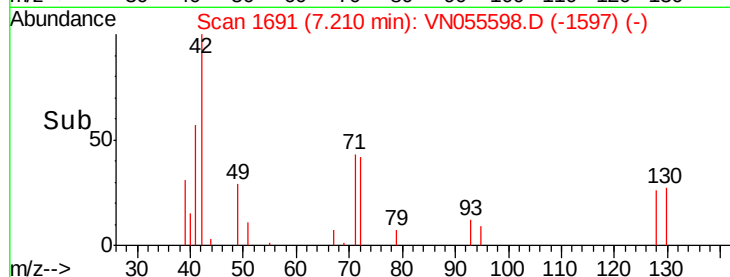
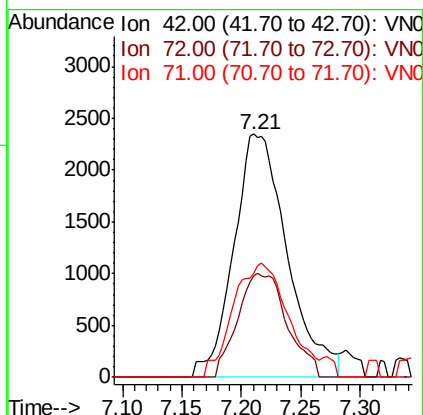
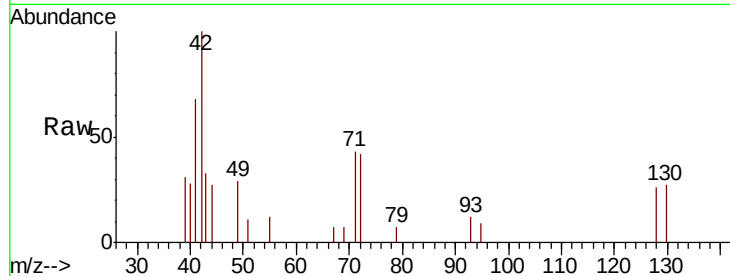




#29
Tetrahydrofuran
Concen: 8.675 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

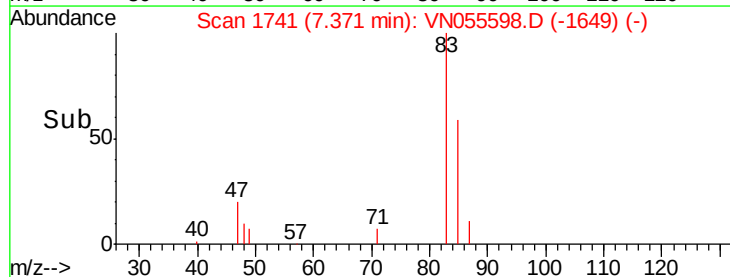
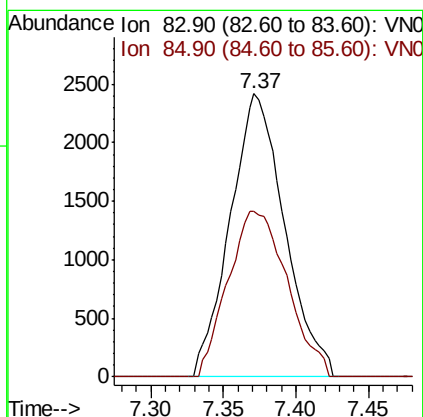
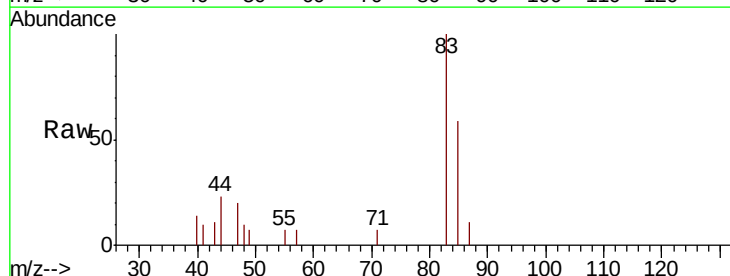
Instrument :
MSVOA_N
ClientSampled :

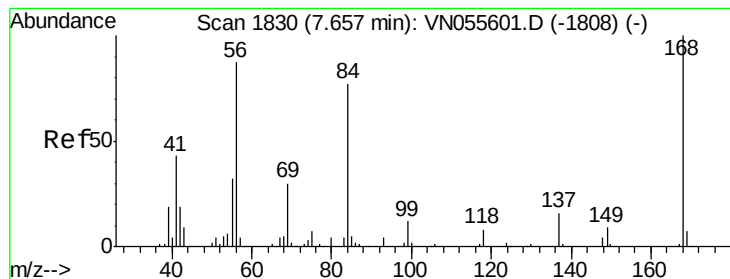
Tot Ion: 42 Resp: 7330
Ion Ratio Lower Upper
42 100
72 39.3 36.5 54.7
71 47.8 34.9 52.3



#30
Chloroform
Concen: 1.106 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion: 83 Resp: 6308
Ion Ratio Lower Upper
83 100
85 58.6 52.6 78.8





#31

Cyclohexane

Concen: 1.825 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

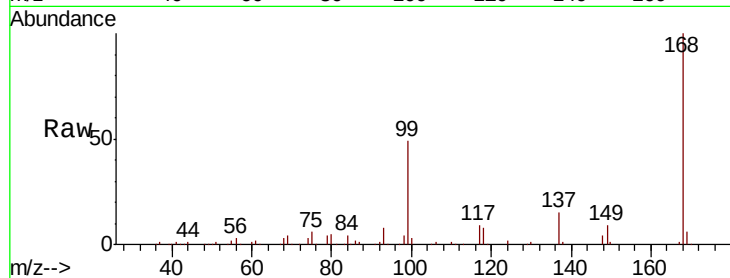
Tot Ion: 56 Resp: 10781

Ion Ratio Lower Upper

56 100

69 117.9 27.2 40.8#

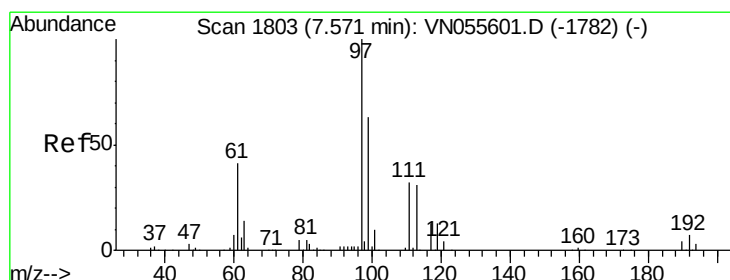
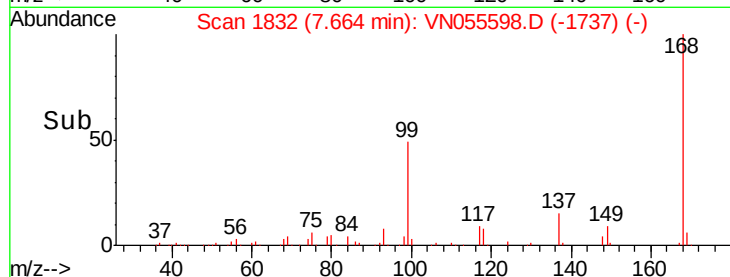
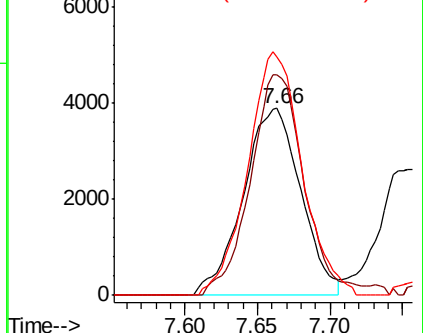
84 127.9 71.3 106.9#



Abundance Ion 56.00 (55.70 to 56.70): VN055598.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN055598.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN055598.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 1.185 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

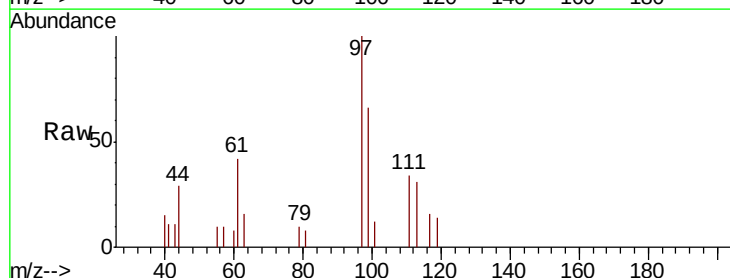
Tgt Ion: 97 Resp: 5822

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.2#

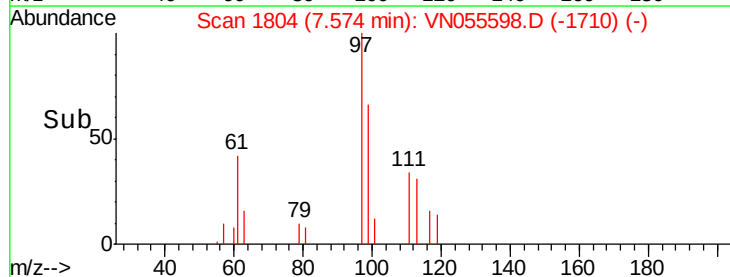
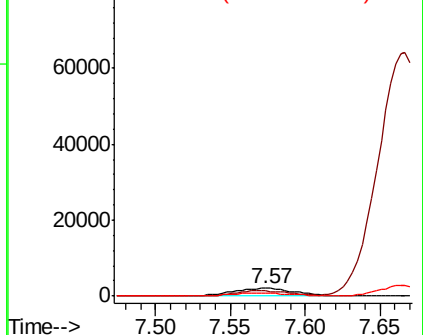
61 37.4 32.9 49.3

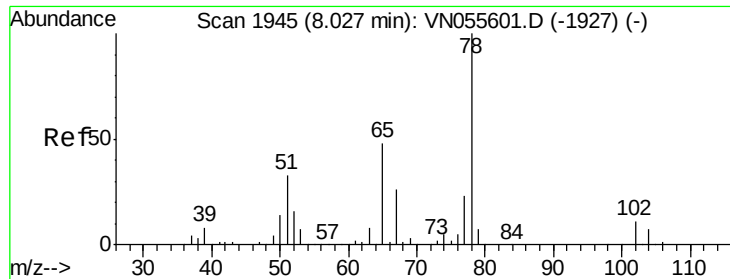


Abundance Ion 96.90 (96.60 to 97.60): VN055598.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN055598.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN055598.D (-1710) (-)

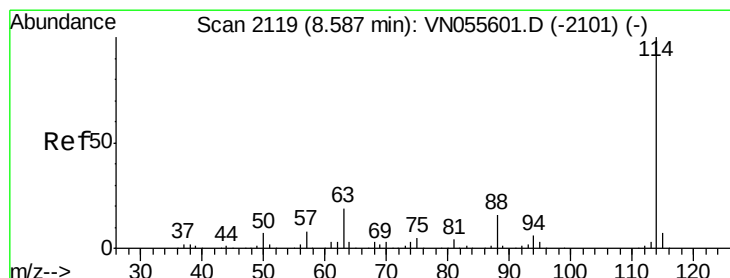
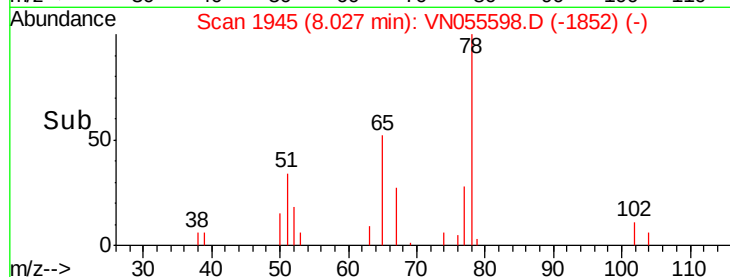
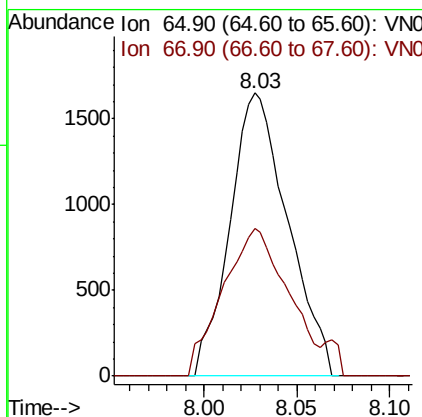
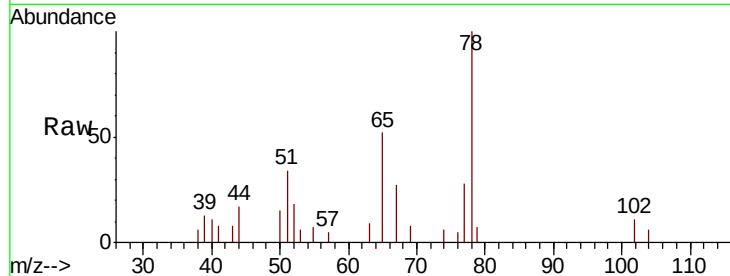




#33
 1,2-Dichloroethane-d4
 Concen: 1.075 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

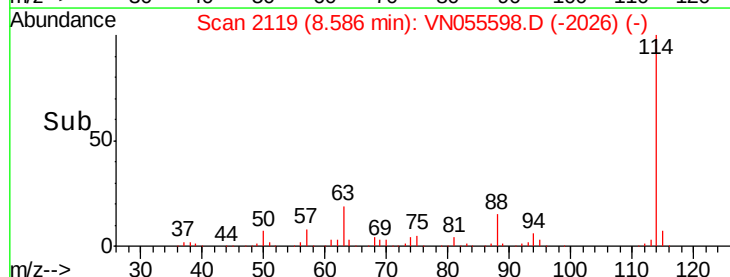
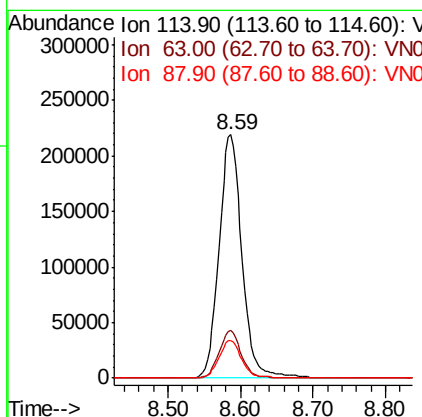
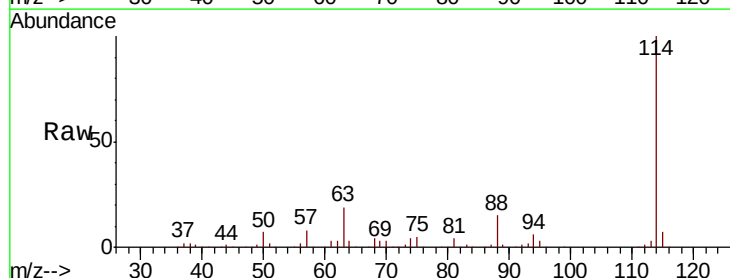
Instrument :
 MSVOA_N
 ClientSampleId :

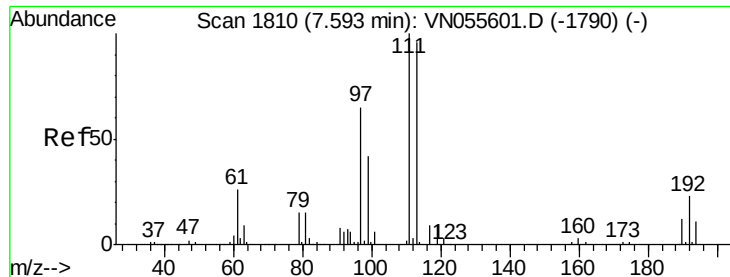
Tot Ion: 65 Resp: 3586
 Ion Ratio Lower Upper
 65 100
 67 58.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Tgt Ion: 114 Resp: 478576
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.2
 88 15.5 0.0 31.0

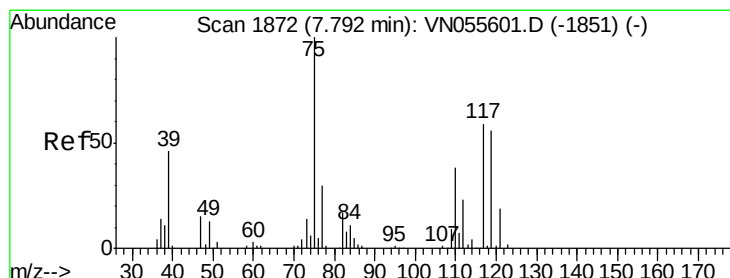
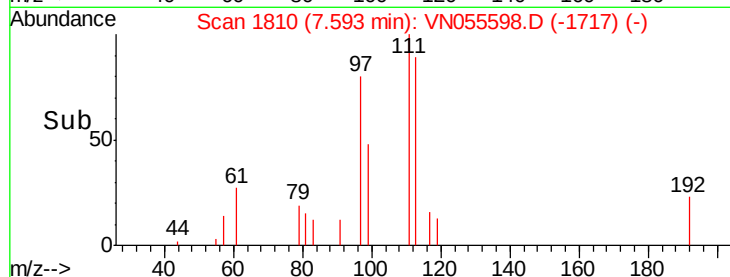
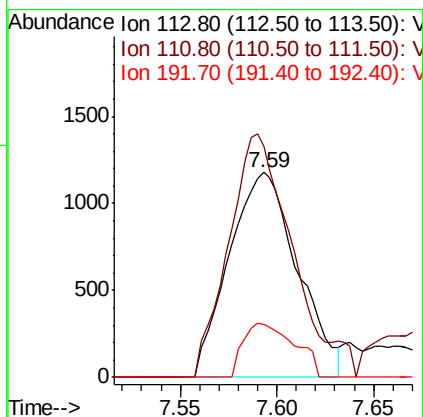
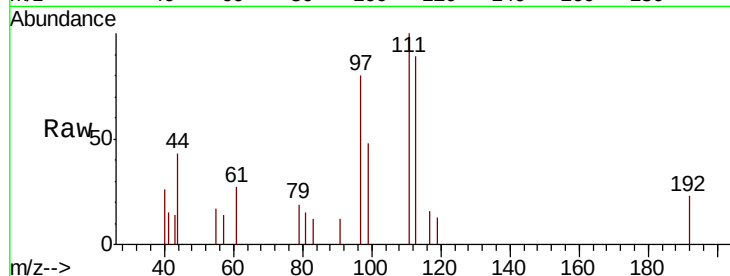




#35
 Dibromofluoromethane
 Concen: 0.921 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

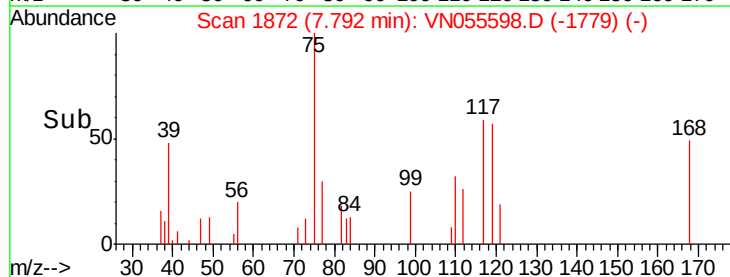
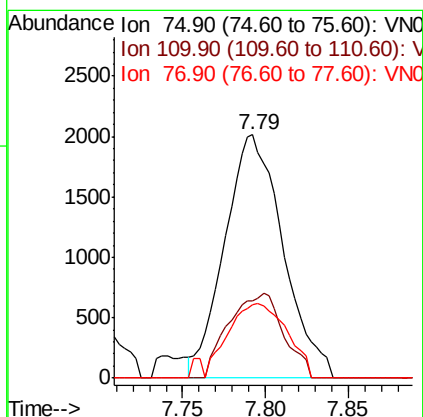
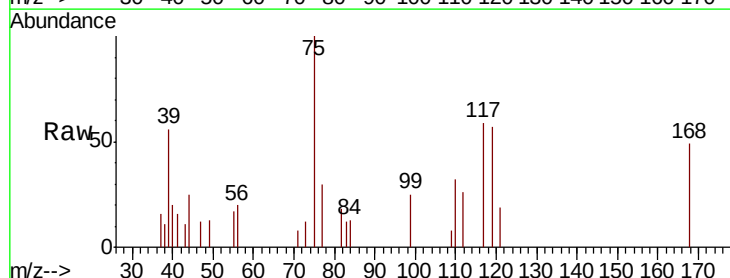
Instrument :
 MSVOA_N
 ClientSampleId :

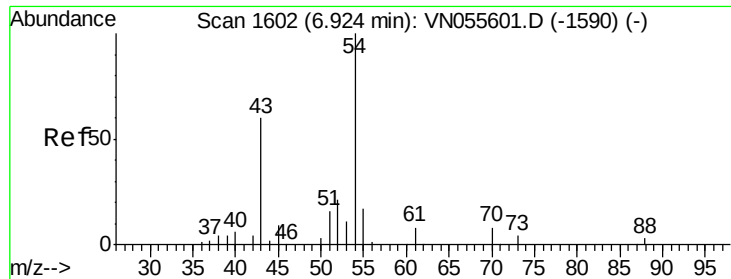
Tot Ion:113 Resp: 2894
 Ion Ratio Lower Upper
 113 100
 111 111.1 82.5 123.7
 192 19.8 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 1.127 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Tgt Ion: 75 Resp: 4930
 Ion Ratio Lower Upper
 75 100
 110 32.6 18.6 55.6
 77 31.0 24.9 37.3

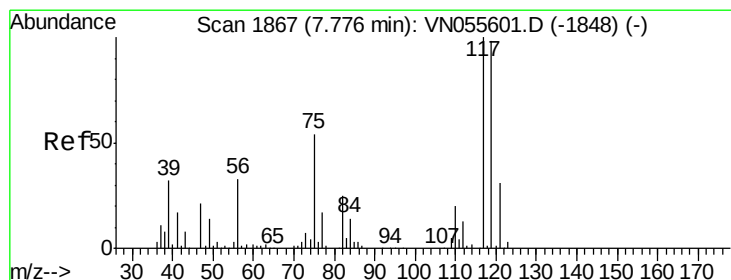
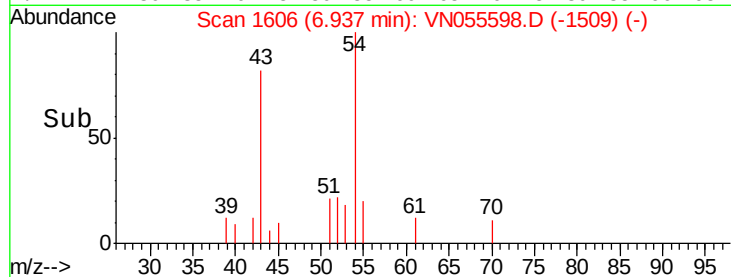
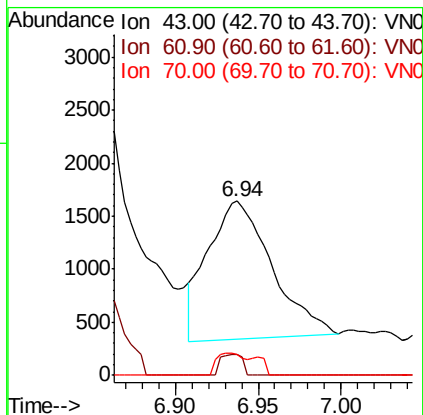
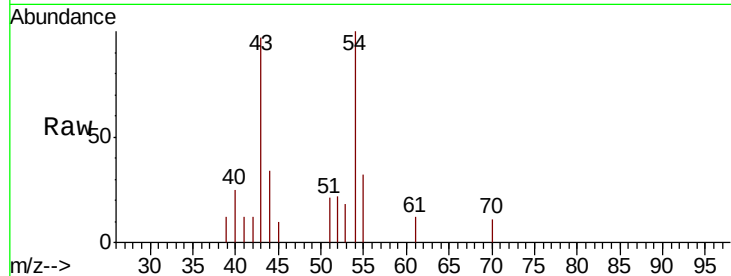




#37
Ethyl Acetate
Concen: 1.308 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

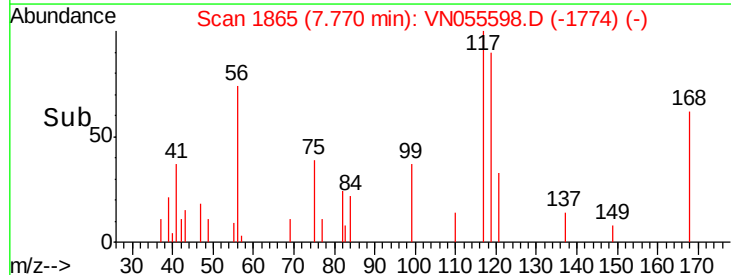
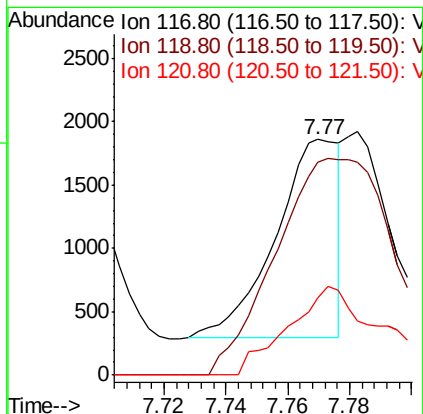
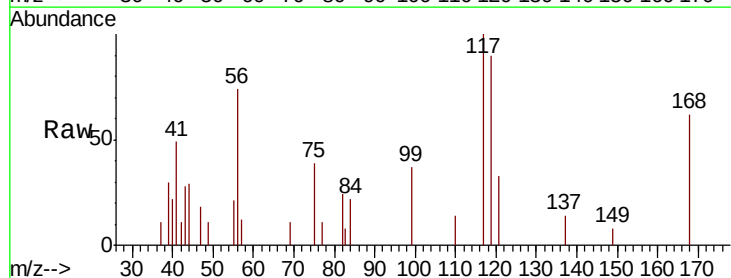
Instrument :
MSVOA_N
ClientSampled :

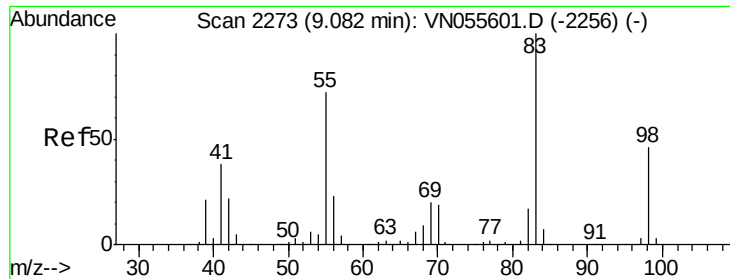
Tot Ion: 43 Resp: 3497
Ion Ratio Lower Upper
43 100
61 5.1 11.4 17.0#
70 7.0 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 0.472 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion: 117 Resp: 2217
Ion Ratio Lower Upper
117 100
119 107.8 77.8 116.8
121 38.9 24.6 37.0#

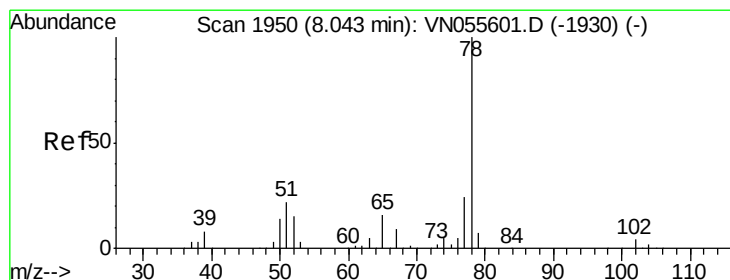
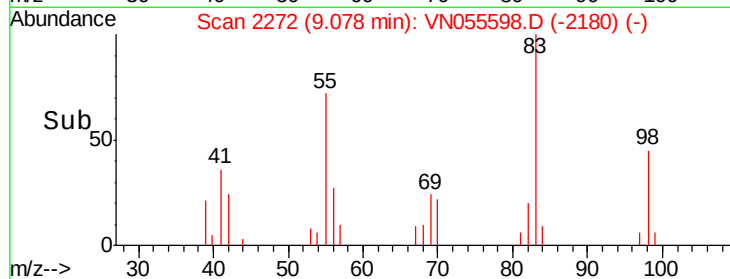
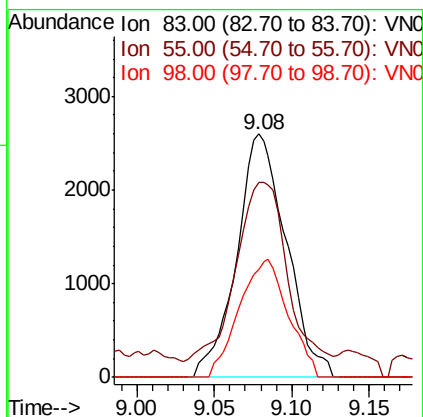
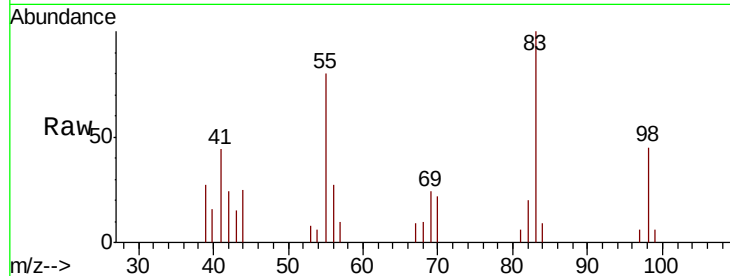




#39
Methylvlcyclohexane
Concen: 1.154 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

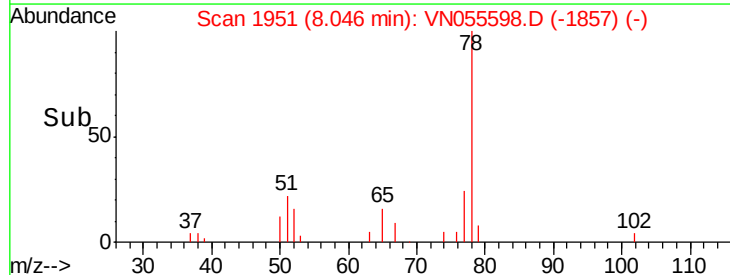
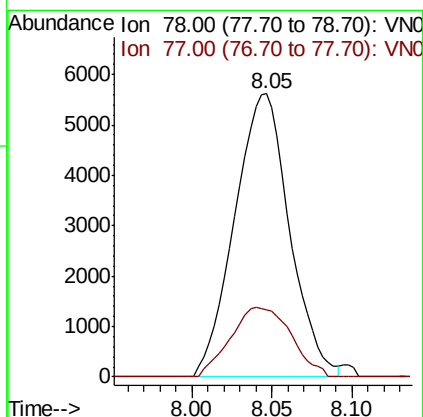
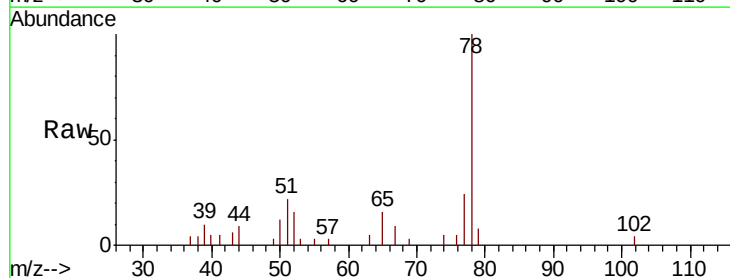
Instrument :
MSVOA_N
ClientSampled :

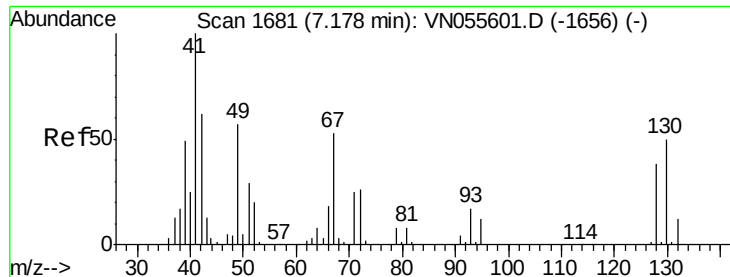
Tot Ion: 83 Resp: 5787
Ion Ratio Lower Upper
83 100
55 72.3 57.8 86.6
98 44.5 36.7 55.1



#40
Benzene
Concen: 1.030 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion: 78 Resp: 13235
Ion Ratio Lower Upper
78 100
77 23.9 18.9 28.3





#41

Methacrylonitrile

Concen: 1.117 ug/l

RT: 7.17 min Scan# 1680

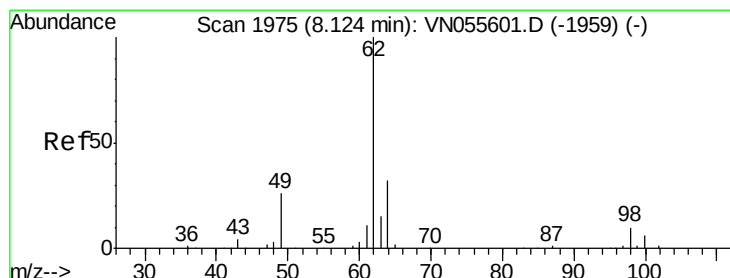
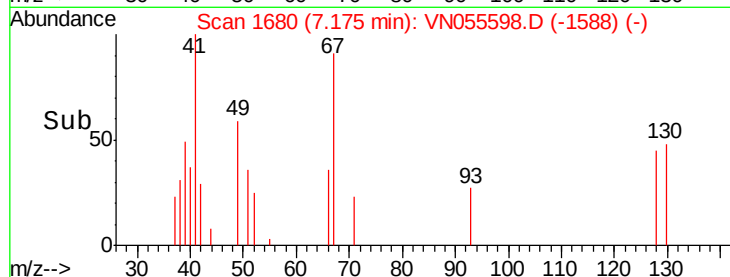
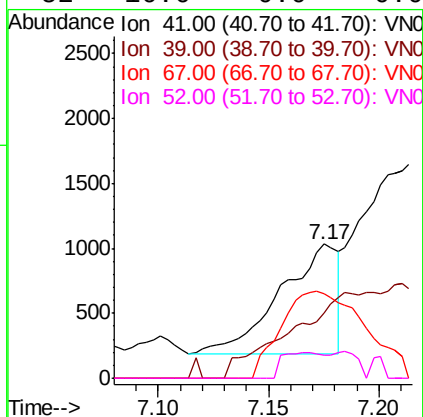
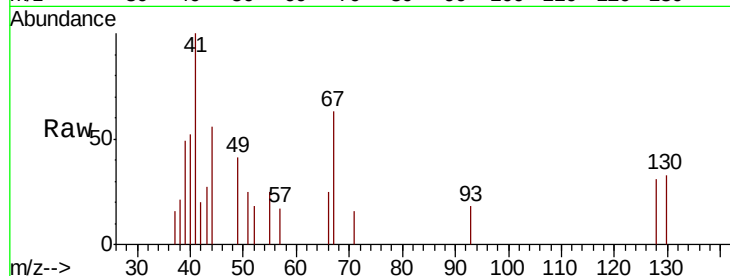
Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	1527
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	116.1	0.0	0.0#
52	16.6	0.0	0.0#



#42

1,2-Dichloroethane

Concen: 1.033 ug/l

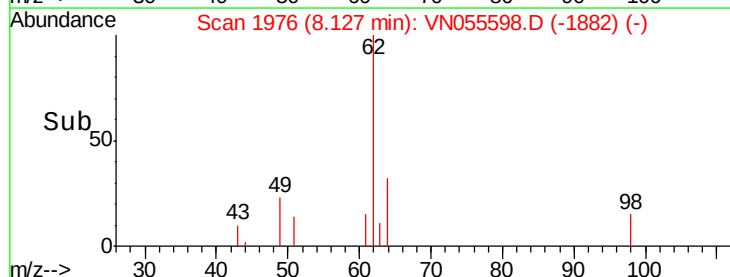
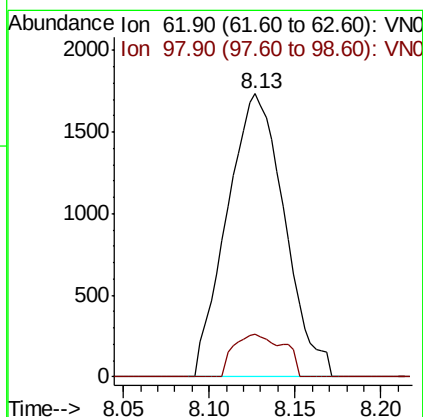
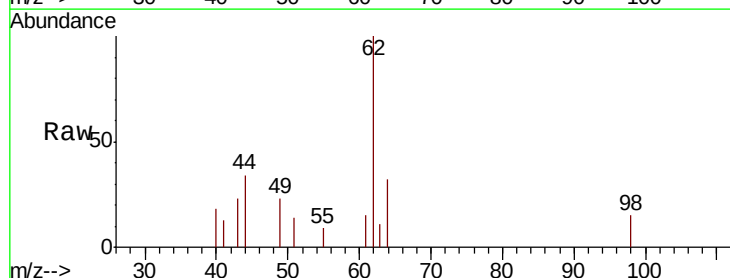
RT: 8.13 min Scan# 1976

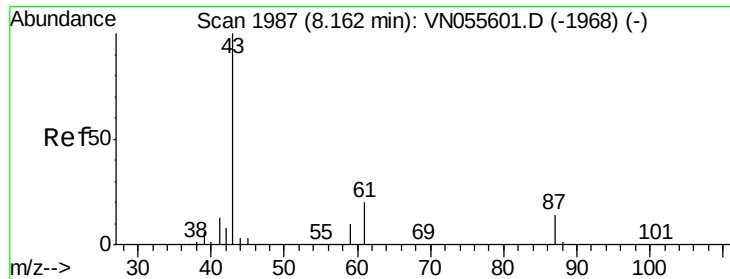
Delta R.T. 0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Tgt Ion:	62	Resp:	4044
Ion	Ratio	Lower	Upper
62	100		
98	13.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 1.360 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

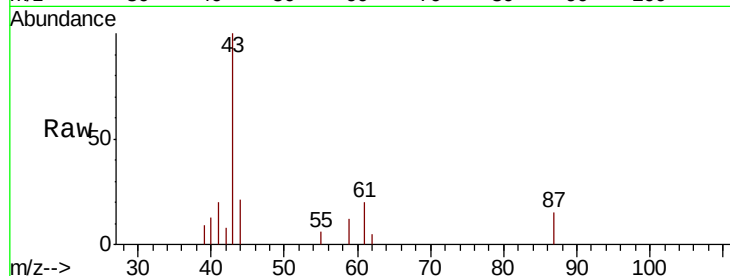
Tot Ion: 43 Resp: 6881

Ion Ratio Lower Upper

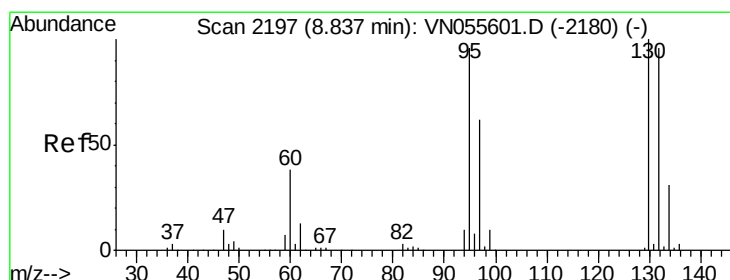
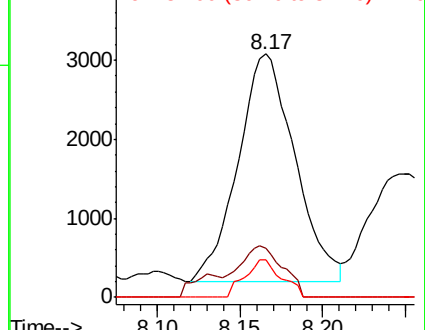
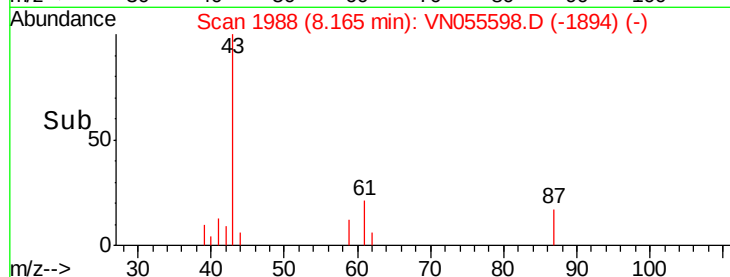
43 100

61 17.2 22.1 33.1#

87 10.5 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VN055598.D (-1894) (-)



#44

Trichloroethene

Concen: 1.032 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055598.D

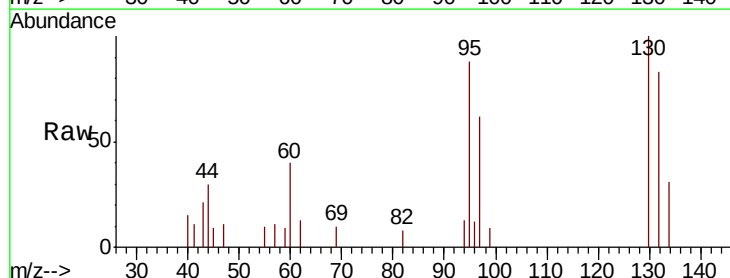
Acq: 17 May 2019 9:29

Tgt Ion:130 Resp: 3719

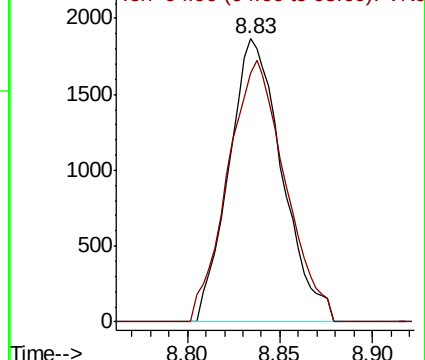
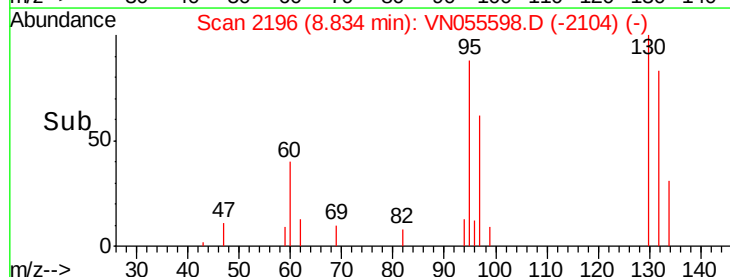
Ion Ratio Lower Upper

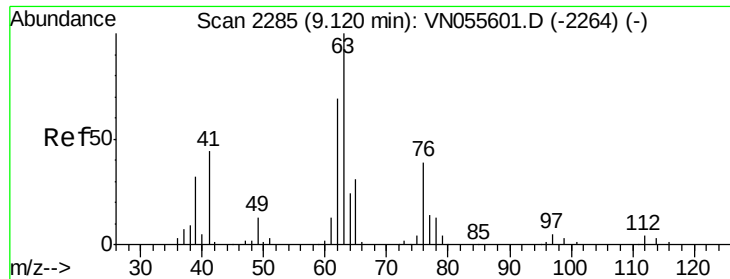
130 100

95 87.8 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN055598.D (-2104) (-)

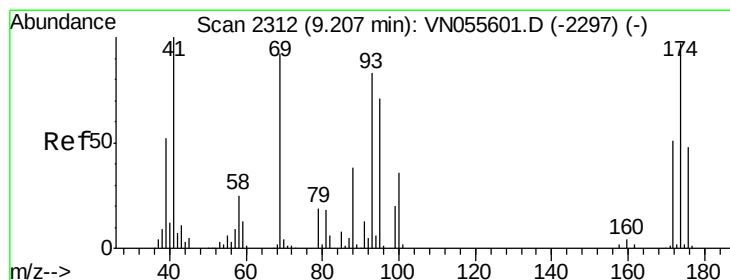
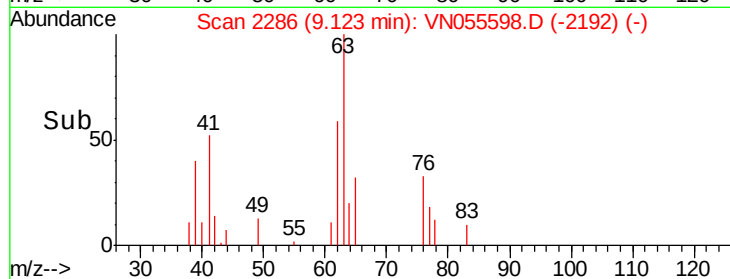
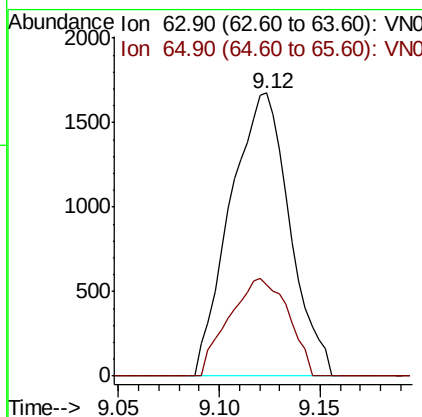
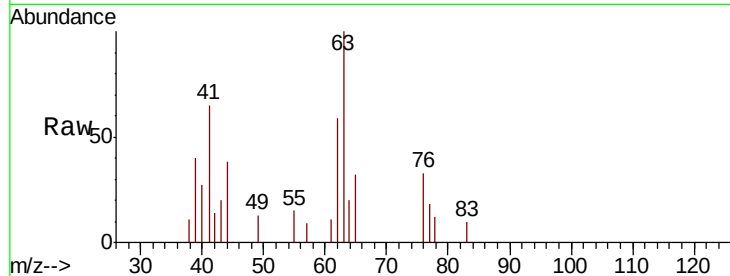




#45
 1,2-Dichloropropane
 Concen: 1.043 ug/l
 RT: 9.12 min Scan# 2286
 Delta R.T. 0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

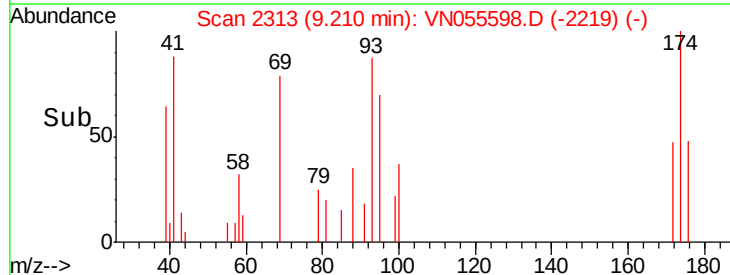
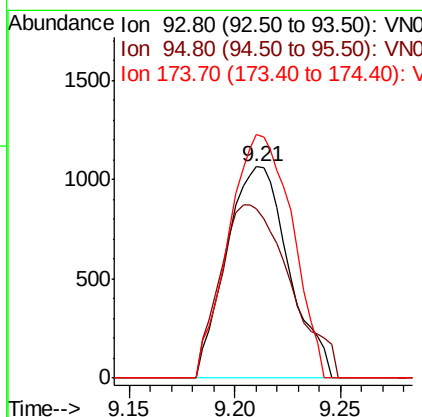
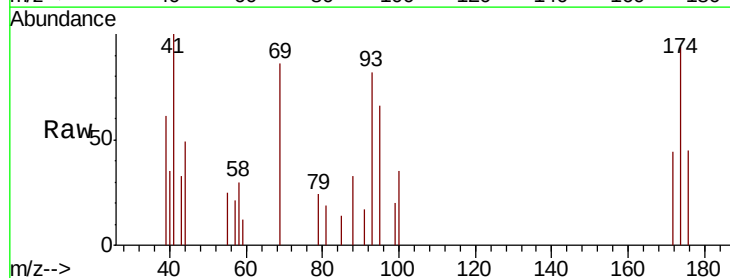
Instrument :
 MSVOA_N
 ClientSampled :

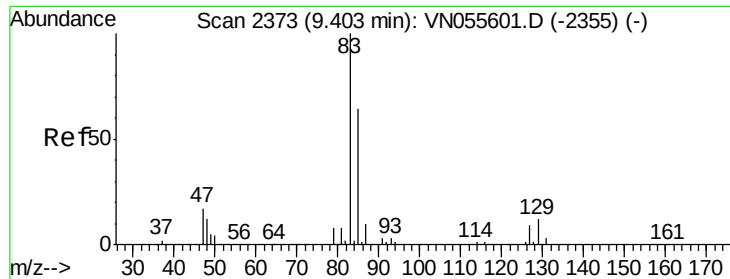
Tot Ion: 63 Resp: 3443
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.2 37.8



#46
 Dibromomethane
 Concen: 1.085 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Tgt Ion: 93 Resp: 2187
 Ion Ratio Lower Upper
 93 100
 95 91.9 67.9 101.9
 174 117.1 93.8 140.6





#47

Bromodichloromethane

Concen: 1.211 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

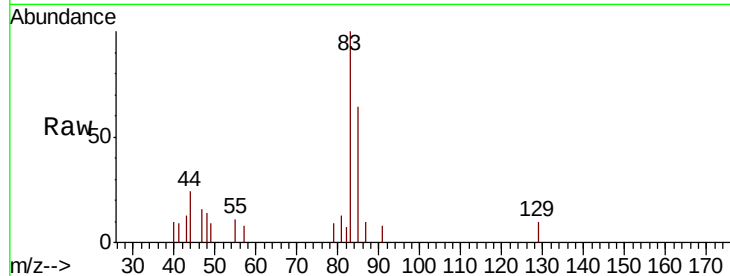
Tot Ion: 83 Resp: 5120

Ion Ratio Lower Upper

83 100

85 64.4 51.4 77.0

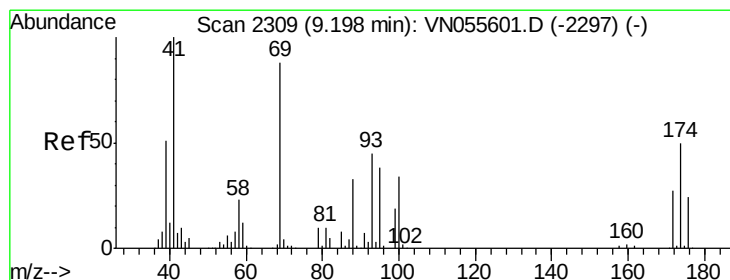
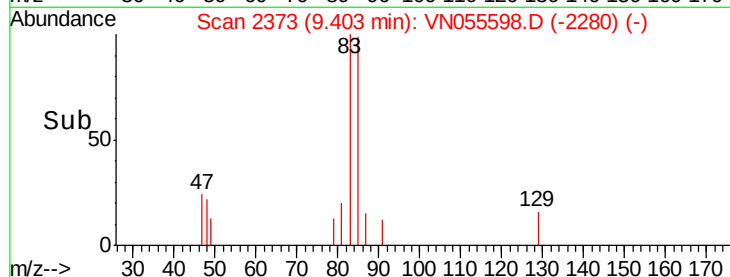
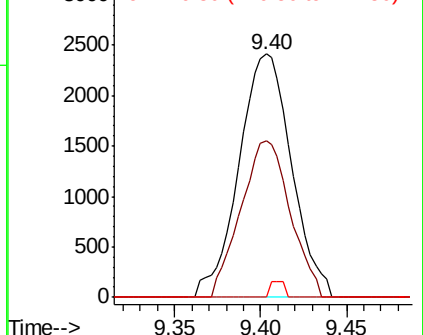
127 0.0 7.1 10.7#



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: 1.165 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

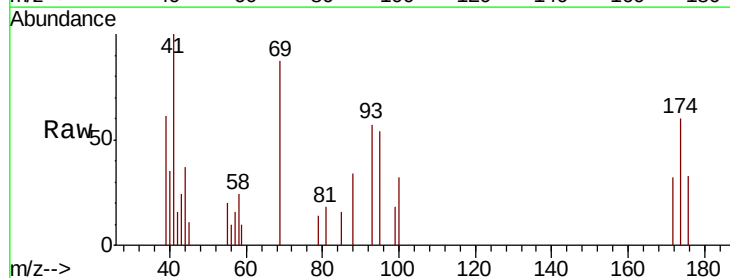
Tgt Ion: 41 Resp: 2537

Ion Ratio Lower Upper

41 100

69 125.5 74.2 111.2#

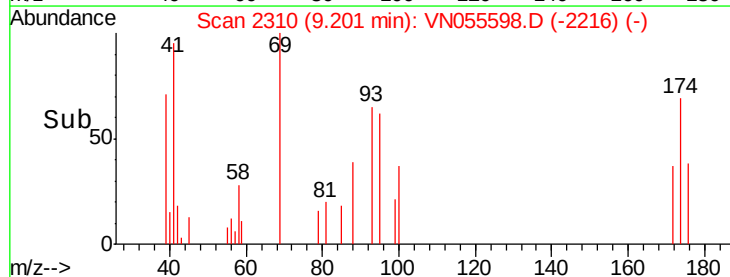
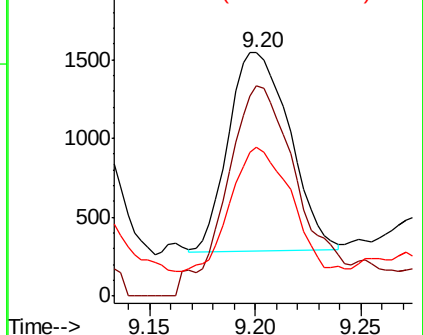
39 60.9 43.8 65.8

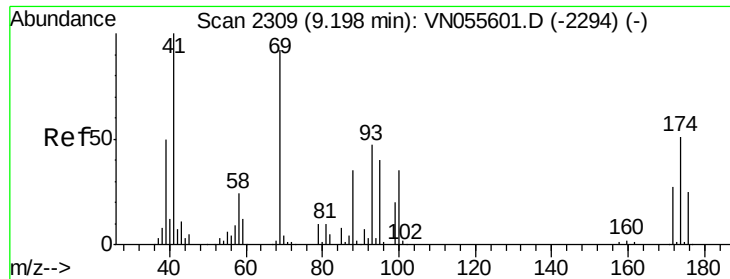


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

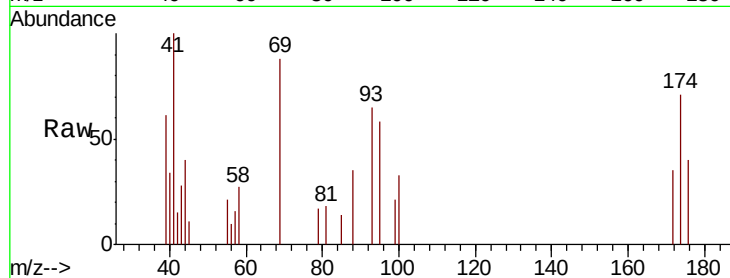




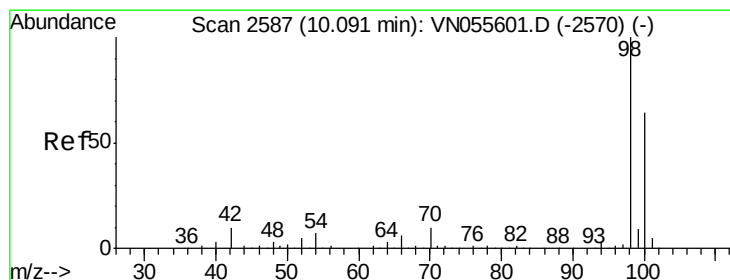
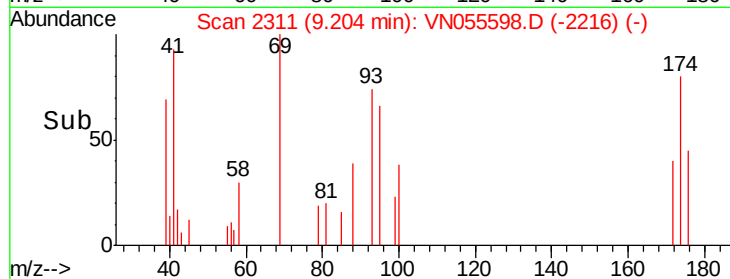
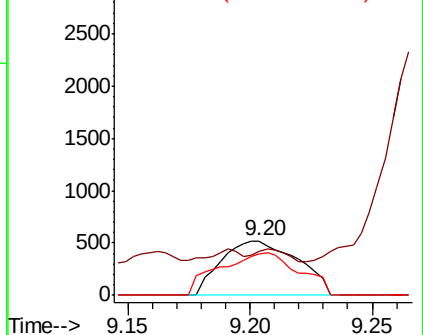
#49
1,4-Dioxane
Concen: 32.060 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 1132
Ion Ratio Lower Upper
88 100
43 0.0 22.4 33.6#
58 81.7 53.4 80.2#

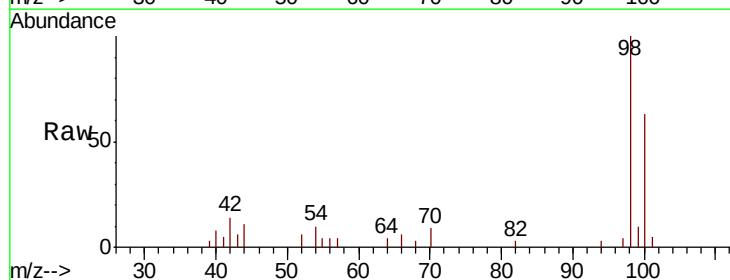


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

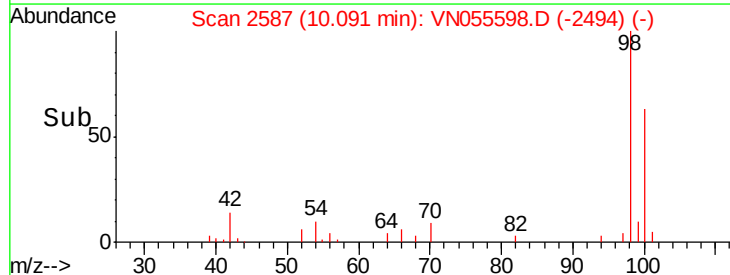
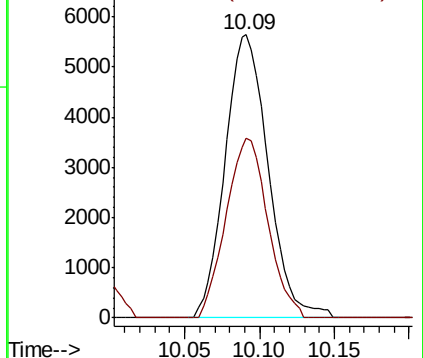


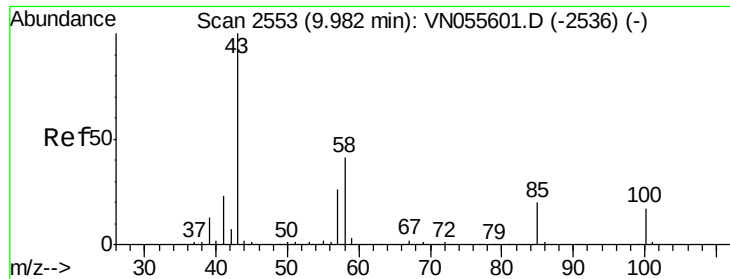
#50
Toluene-d8
Concen: 1.005 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion: 98 Resp: 11322
Ion Ratio Lower Upper
98 100
100 61.4 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: 8.224 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

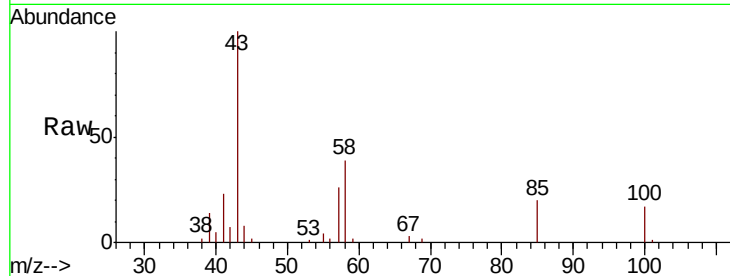
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 19837

Ion Ratio Lower Upper

43 100

58 40.9 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN055598.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN055598.D (-2460) (-)

9.99

12000

10000

8000

6000

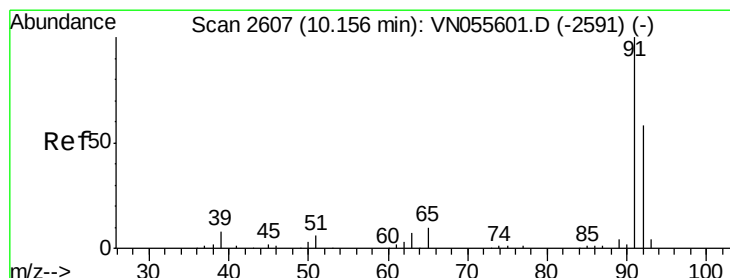
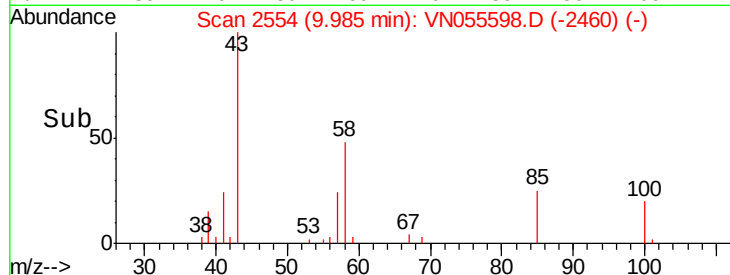
4000

2000

0

Time-->

9.90 10.00



#52

Toluene

Concen: 1.123 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055598.D

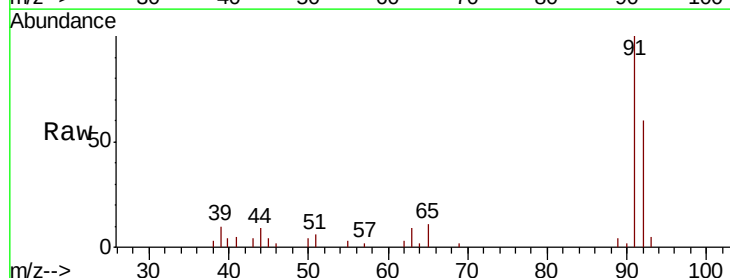
Acq: 17 May 2019 9:29

Tgt Ion: 92 Resp: 8534

Ion Ratio Lower Upper

92 100

91 171.4 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN055598.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN055598.D (-2514) (-)

10.15

8000

6000

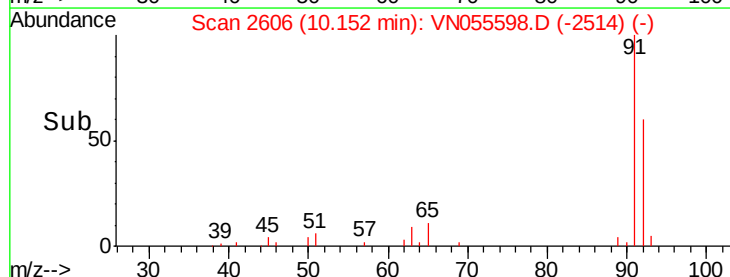
4000

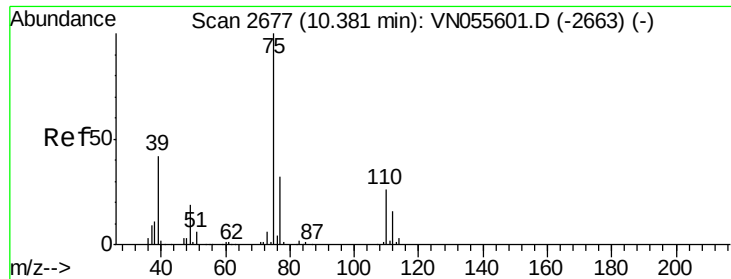
2000

0

Time-->

10.10 10.15 10.20





#53

t-1,3-Dichloropropene

Concen: 1.114 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

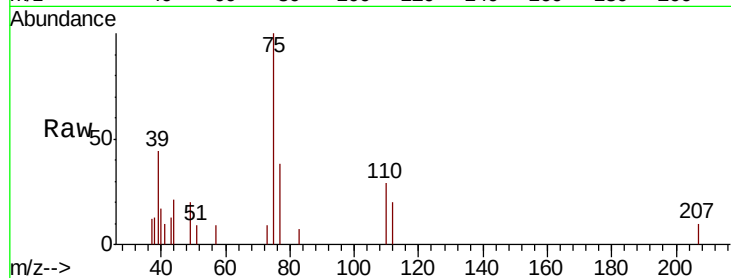
ClientSampled :

Tot Ion: 75 Resp: 4646

Ion Ratio Lower Upper

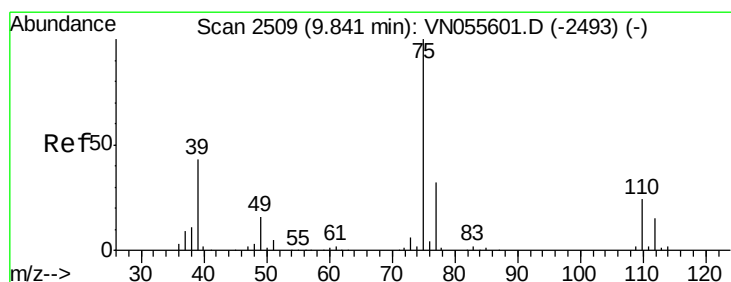
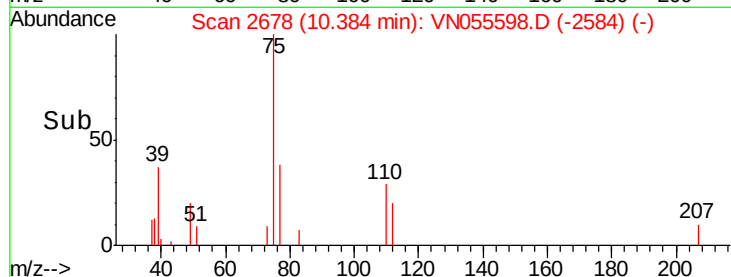
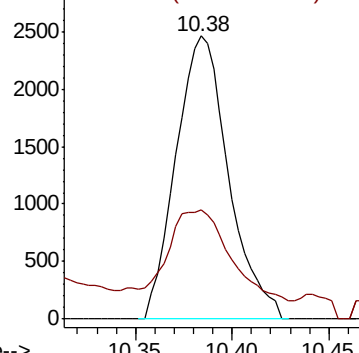
75 100

77 31.7 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 1.090 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

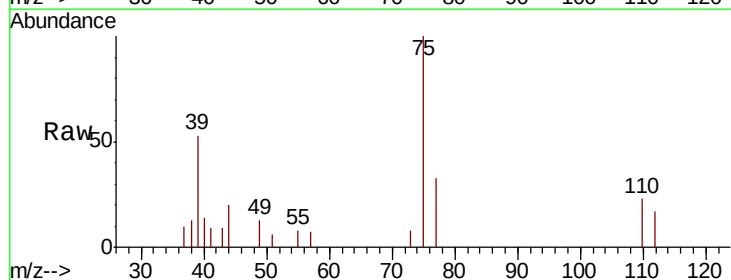
Tgt Ion: 75 Resp: 5246

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

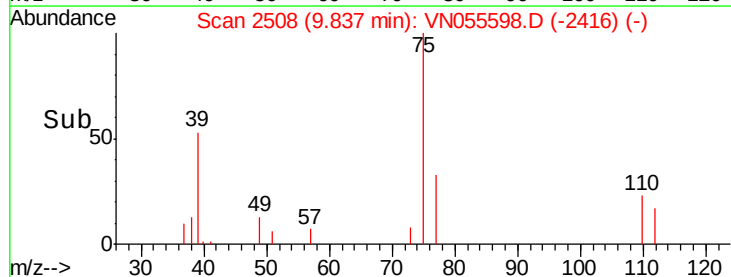
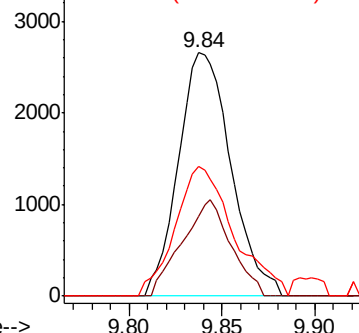
39 53.3 34.7 52.1#

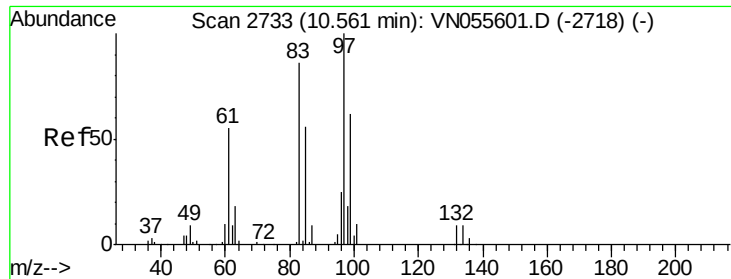


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

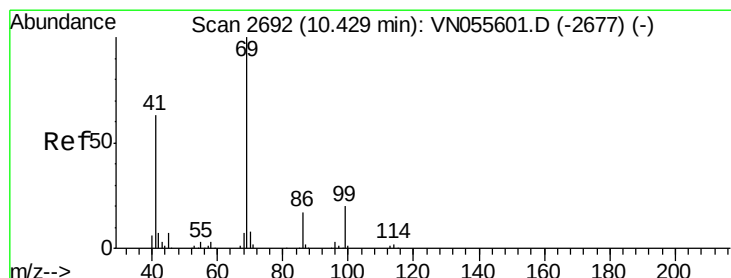
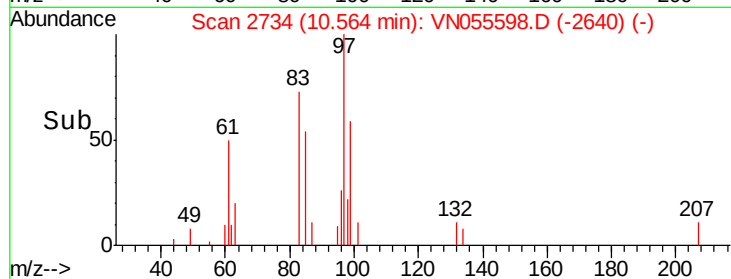
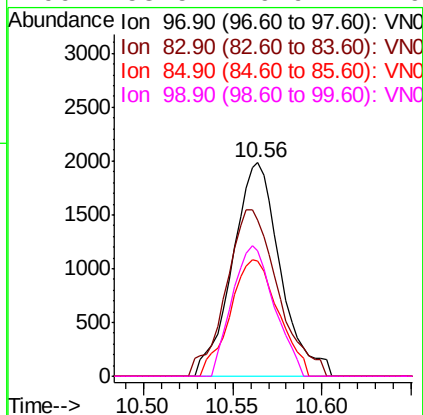
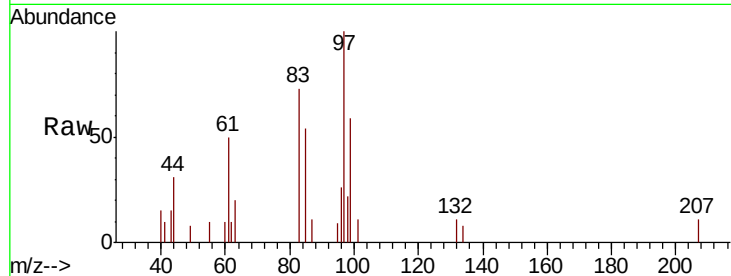




#55
 1,1,2-Trichloroethane
 Concen: 1.309 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

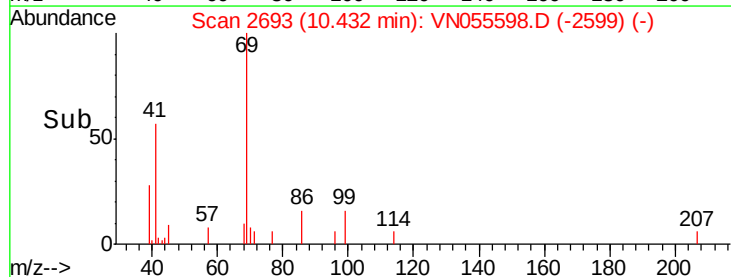
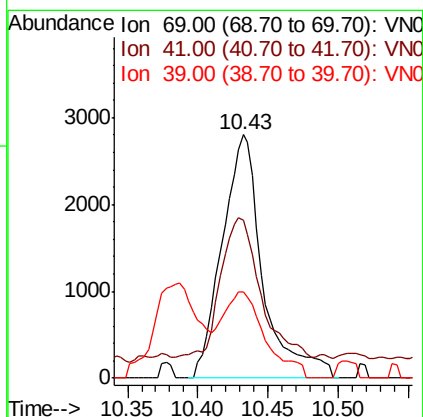
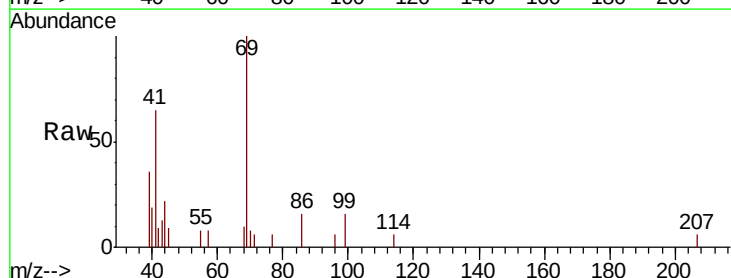
Instrument :
 MSVOA_N
 ClientSampled :

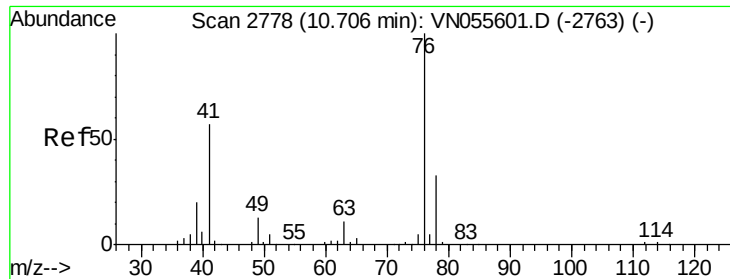
Tot Ion: 97 Resp: 3714
 Ion Ratio Lower Upper
 97 100
 83 72.9 68.4 102.6
 85 54.1 44.8 67.2
 99 58.5 49.9 74.9



#56
 Ethyl methacrylate
 Concen: 1.660 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Tgt Ion: 69 Resp: 5631
 Ion Ratio Lower Upper
 69 100
 41 59.1 50.3 75.5
 39 37.8 25.4 38.2

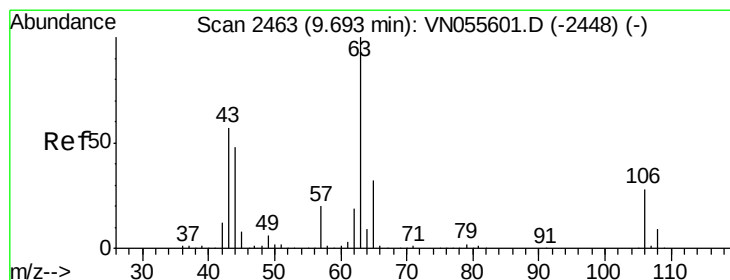
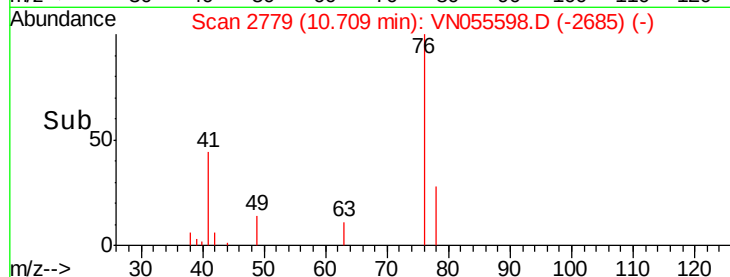
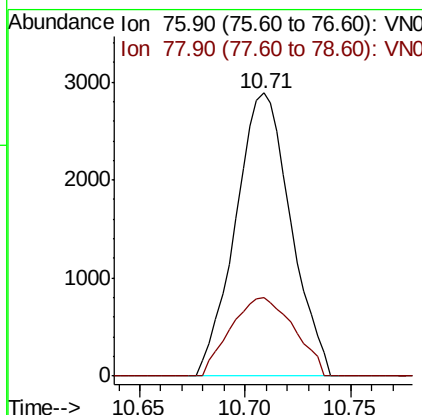
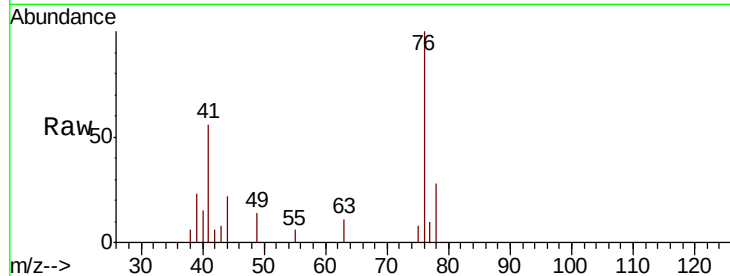




#57
 1,3-Dichloropropane
 Concen: 1.118 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

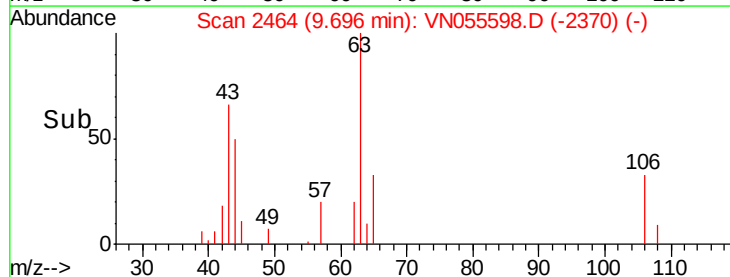
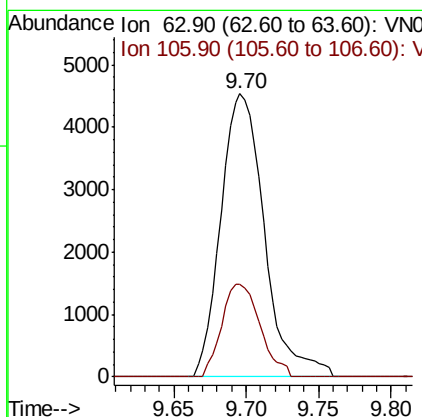
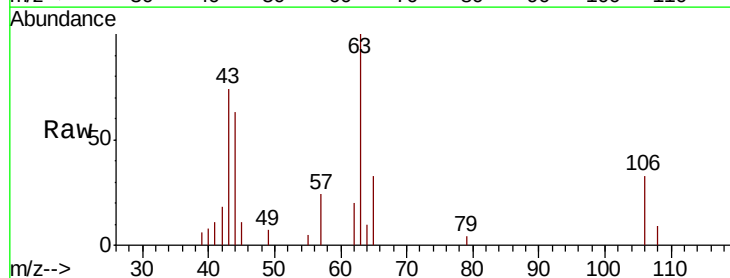
Instrument :
 MSVOA_N
 ClientSampled :

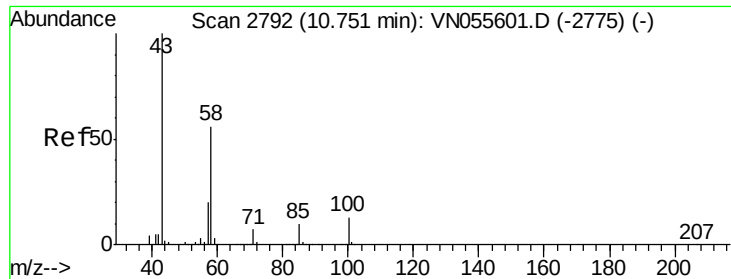
Tot Ion: 76 Resp: 5253
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.5 39.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 6.359 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Tgt Ion: 63 Resp: 9497
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.0 34.6

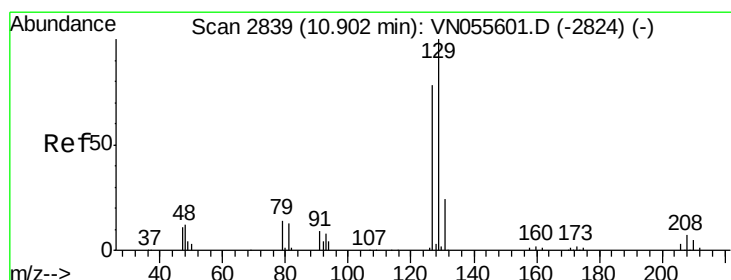
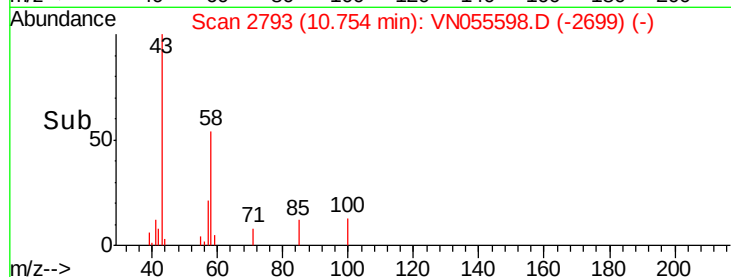
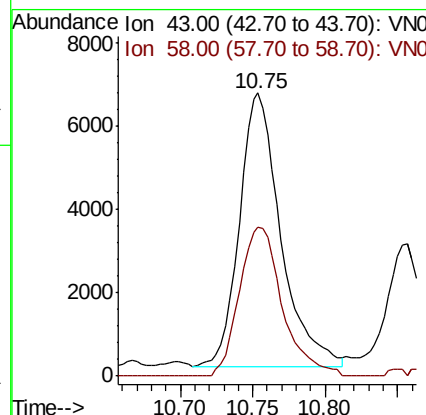
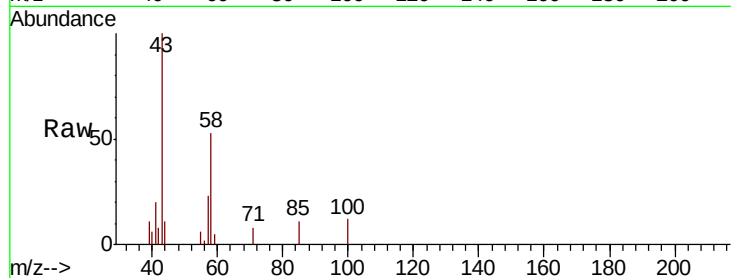




#59
2-Hexanone
Concen: 7.798 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

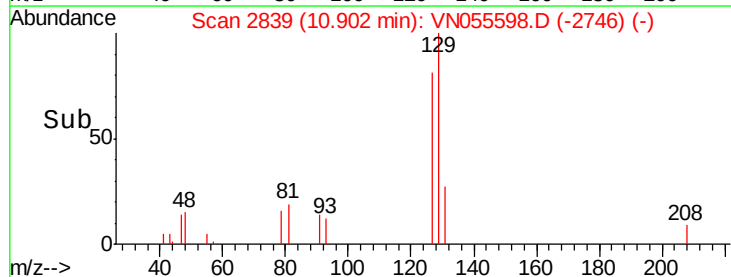
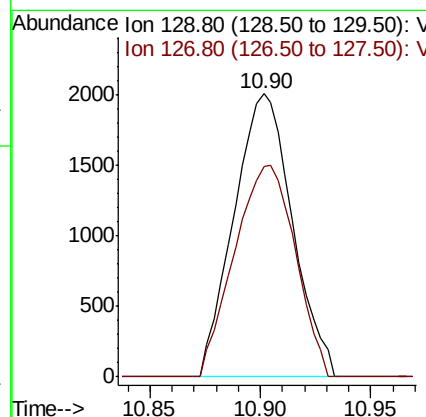
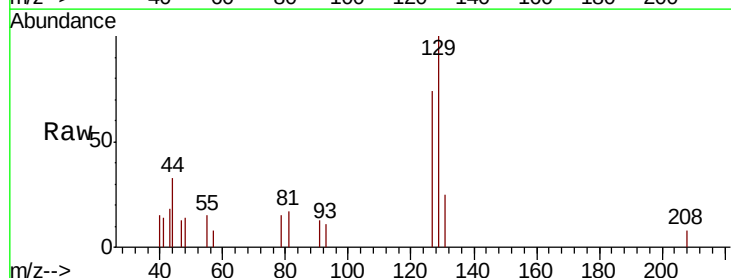
Instrument :
MSVOA_N
ClientSampleId :

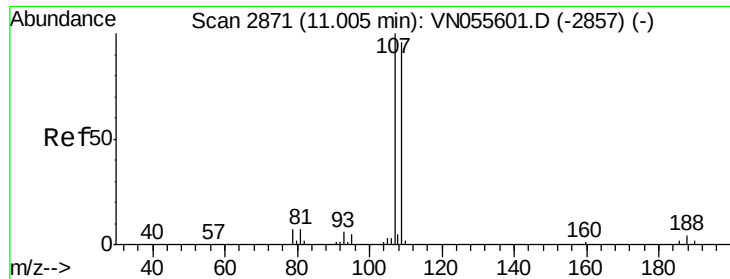
Tot Ion: 43 Resp: 12927
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.4



#60
Dibromochloromethane
Concen: 1.123 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion: 129 Resp: 3693
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

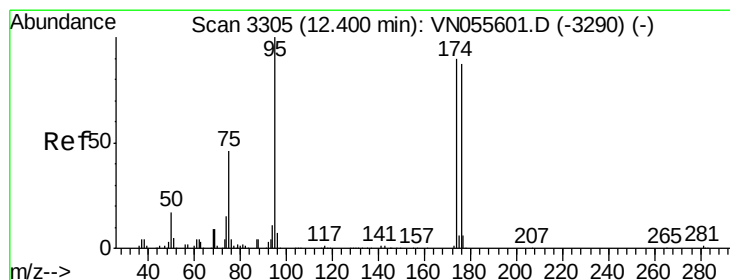
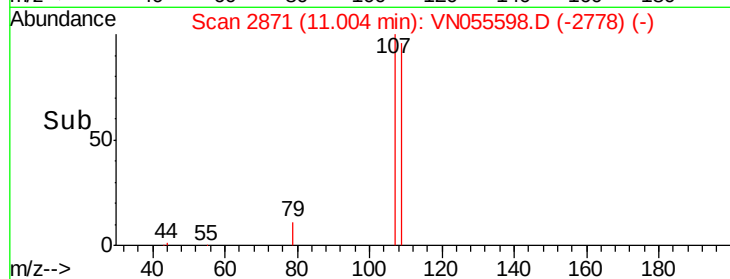
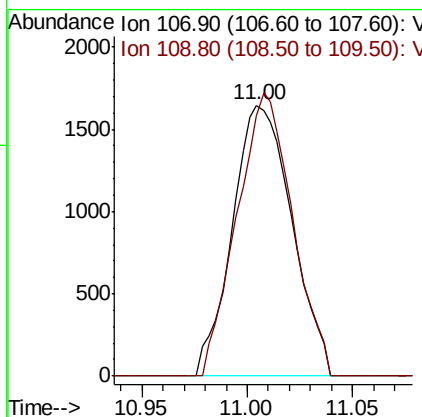
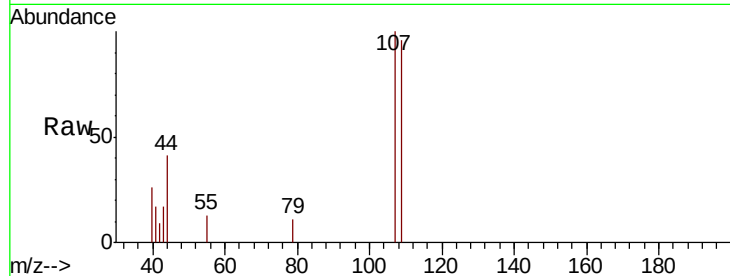




#61
 1,2-Dibromoethane
 Concen: 1.144 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

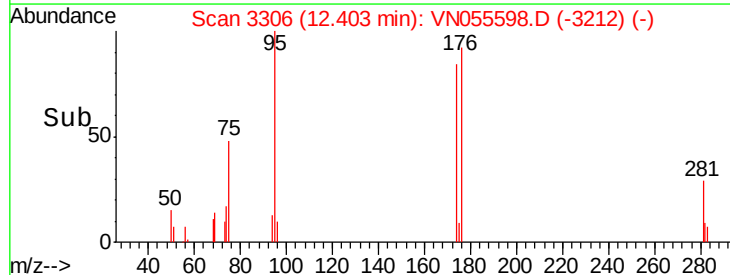
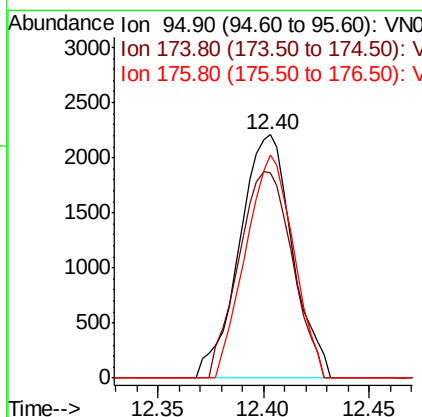
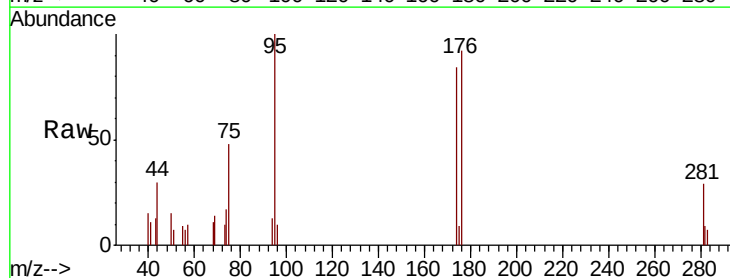
Instrument :
 MSVOA_N
 ClientSampleId :

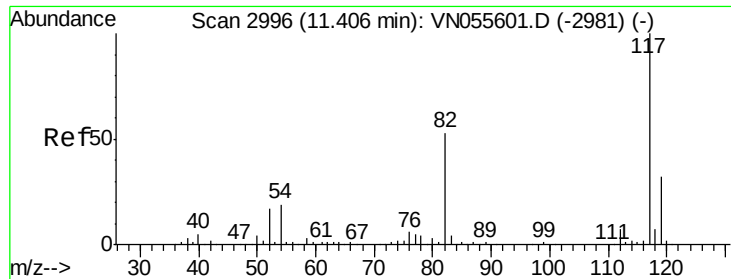
Tot Ion: 107 Resp: 3231
 Ion Ratio Lower Upper
 107 100
 109 97.4 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 1.037 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Tgt Ion: 95 Resp: 3864
 Ion Ratio Lower Upper
 95 100
 174 85.7 0.0 180.6
 176 82.8 0.0 177.4

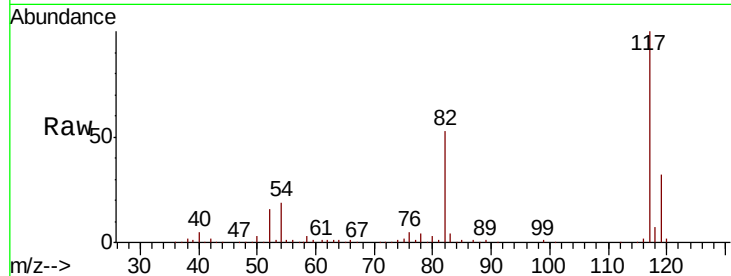




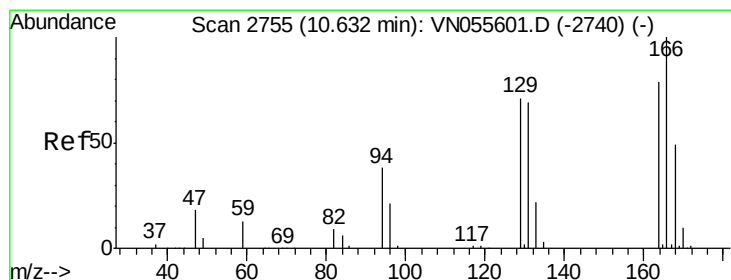
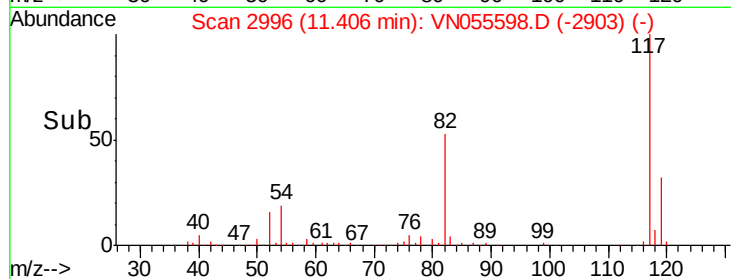
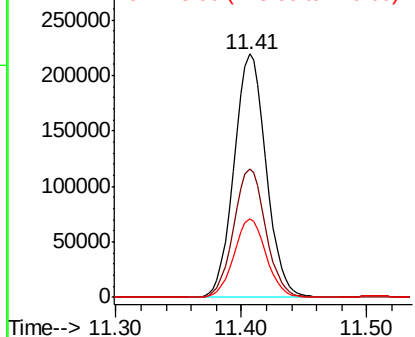
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 389146
Ion Ratio Lower Upper
117 100
82 52.6 42.3 63.5
119 32.2 25.4 38.2

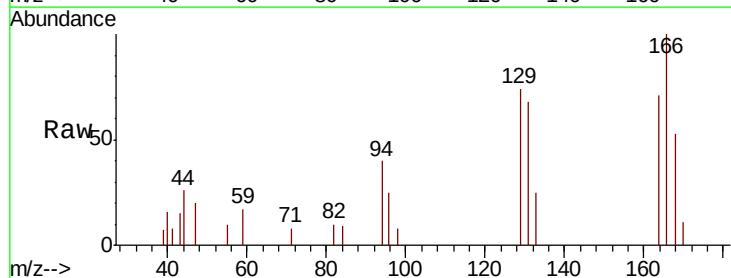


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

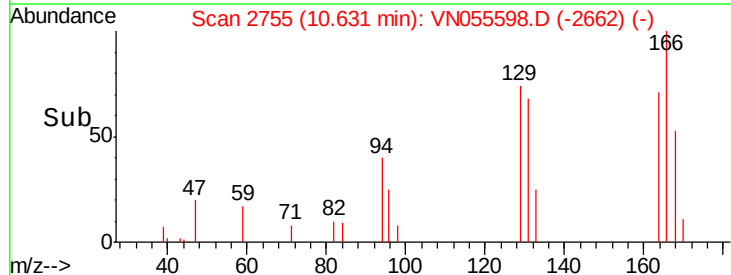
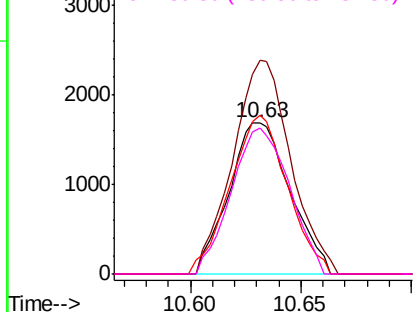


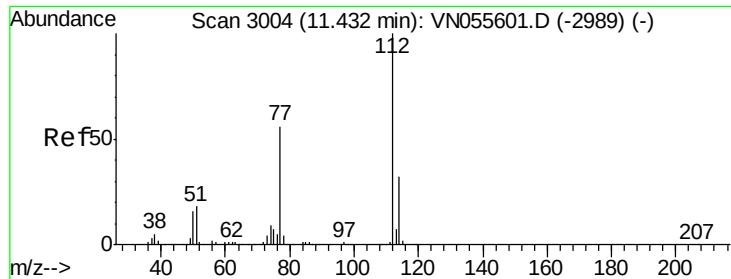
#64
Tetrachloroethene
Concen: 0.947 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion:164 Resp: 3241
Ion Ratio Lower Upper
164 100
166 141.2 101.0 151.6
129 105.0 71.7 107.5
131 96.4 69.6 104.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 1.048 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

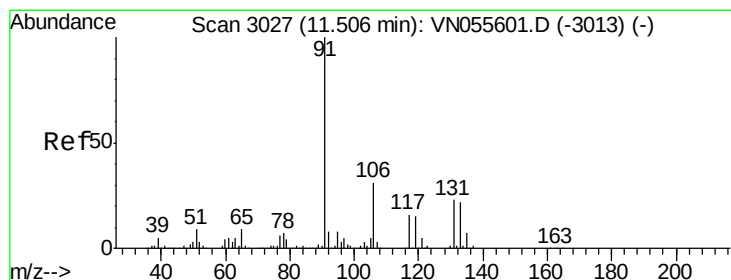
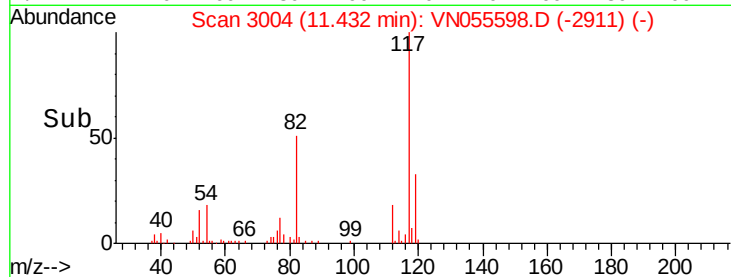
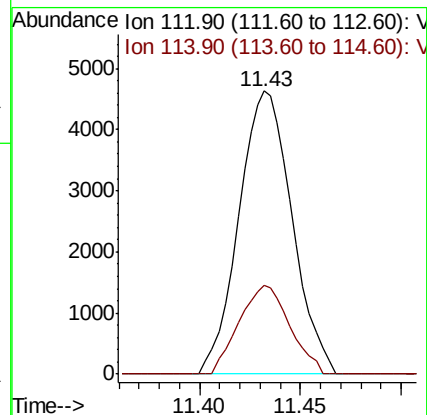
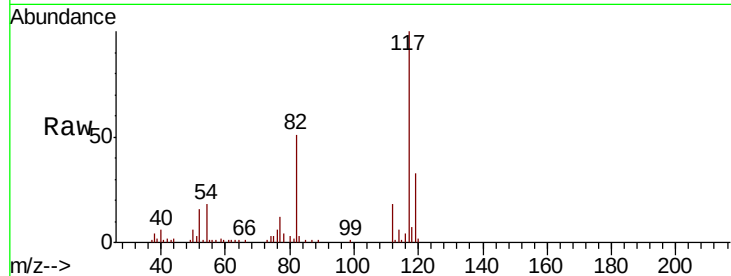
ClientSampled :

Tot Ion:112 Resp: 8512

Ion Ratio Lower Upper

112 100

114 31.3 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 1.175 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

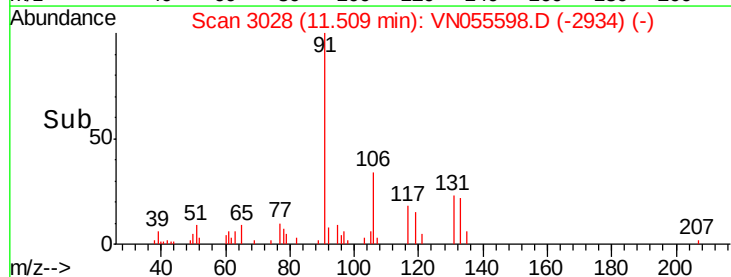
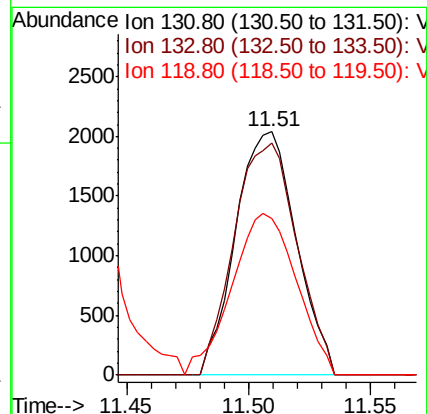
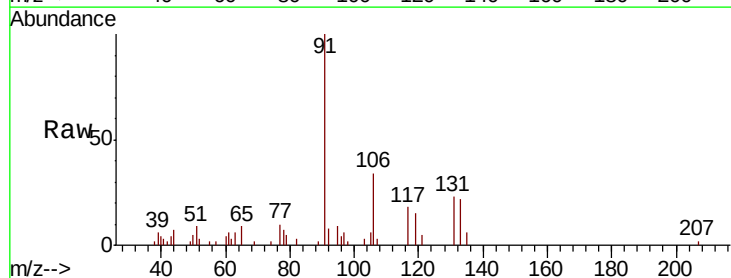
Tgt Ion:131 Resp: 3514

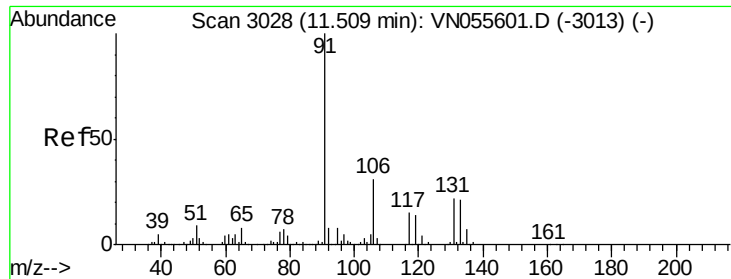
Ion Ratio Lower Upper

131 100

133 99.2 47.8 143.4

119 0.0 33.3 99.8#

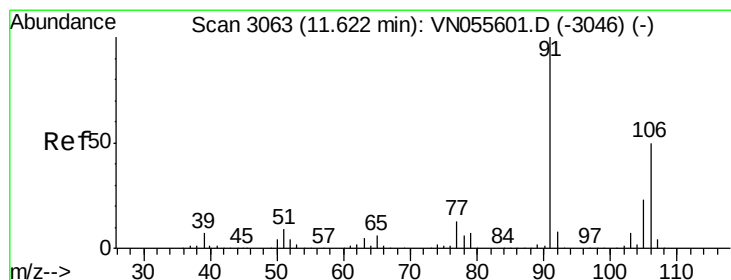
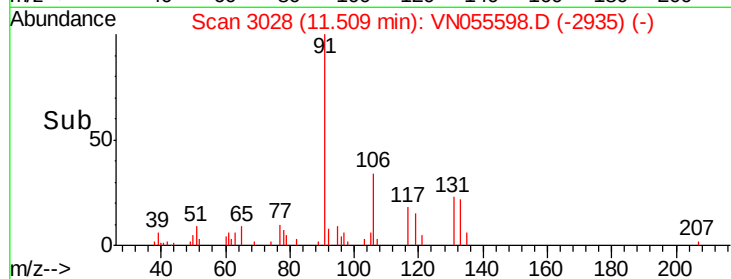
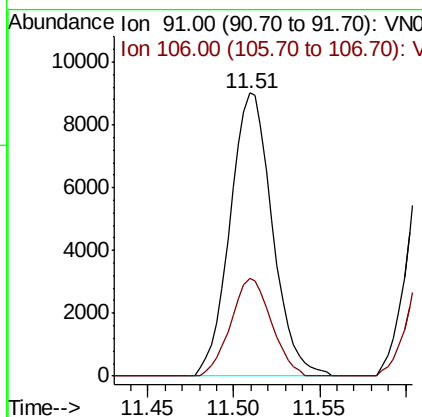
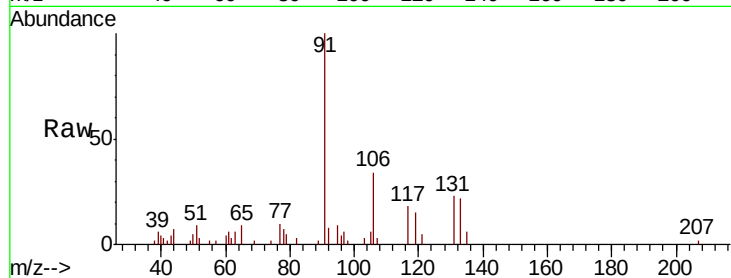




#67
Ethyl Benzene
Concen: 1.169 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

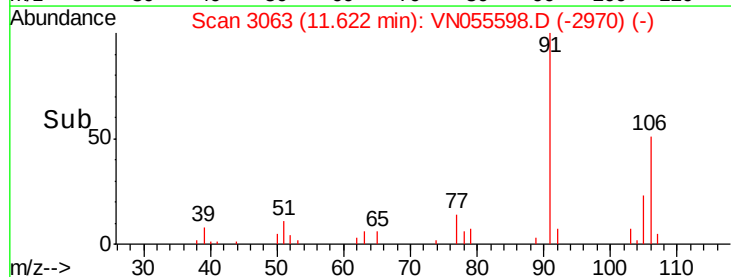
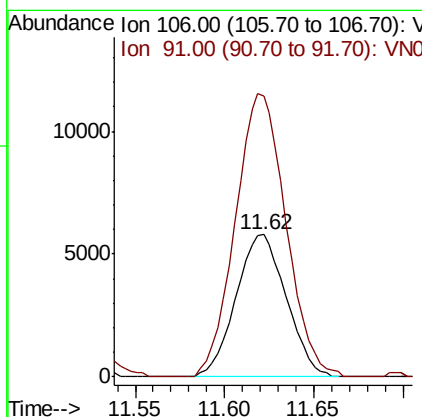
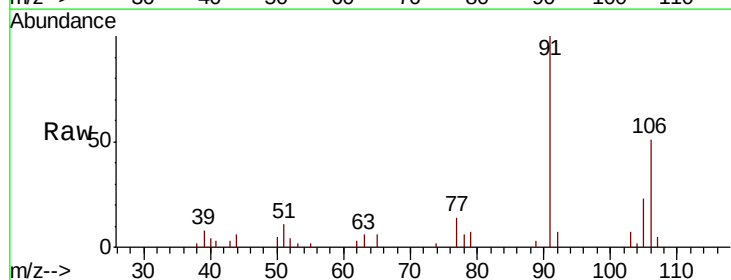
Instrument :
MSVOA_N
ClientSampled :

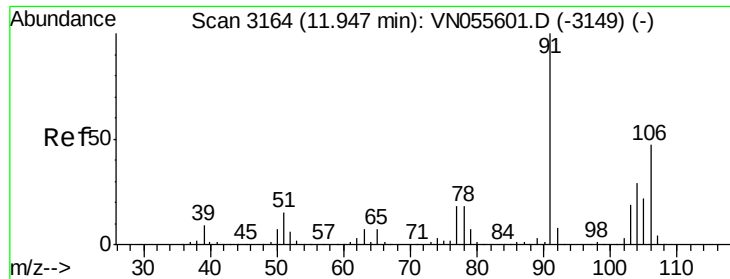
Tot Ion: 91 Resp: 15480
Ion Ratio Lower Upper
91 100
106 34.5 25.2 37.8



#68
m/p-Xylenes
Concen: 2.235 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion: 106 Resp: 11385
Ion Ratio Lower Upper
106 100
91 200.5 160.5 240.7

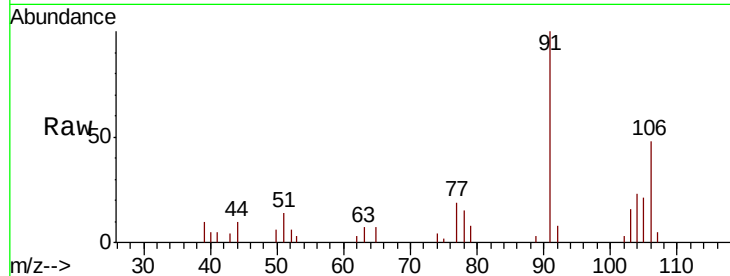




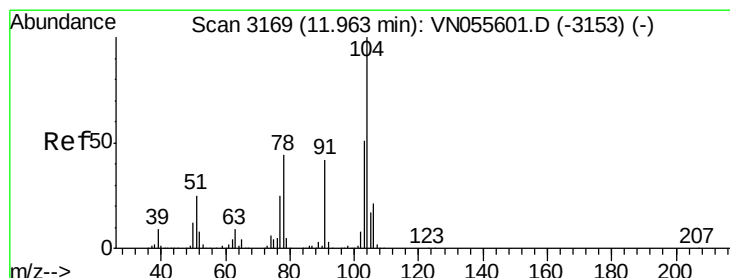
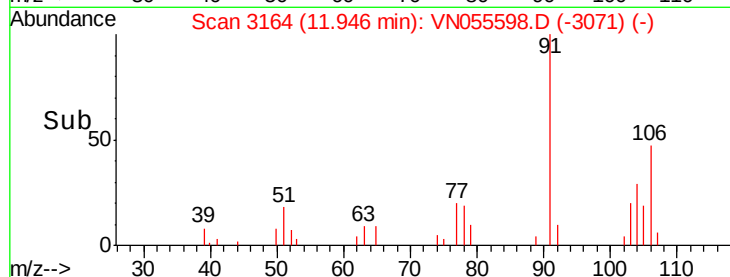
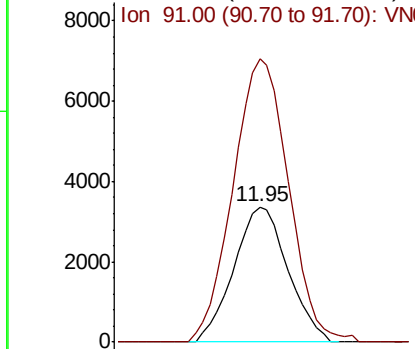
#69
o-Xylene
Concen: 1.163 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 5717
Ion Ratio Lower Upper
106 100
91 215.2 106.7 320.2

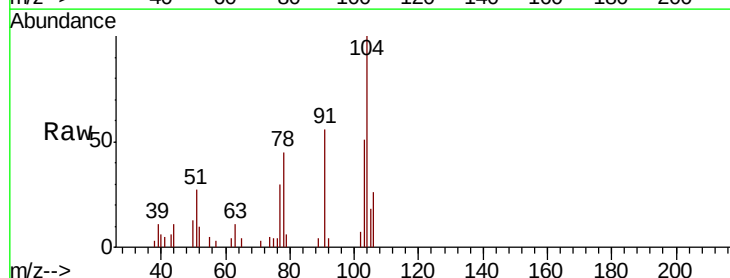


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

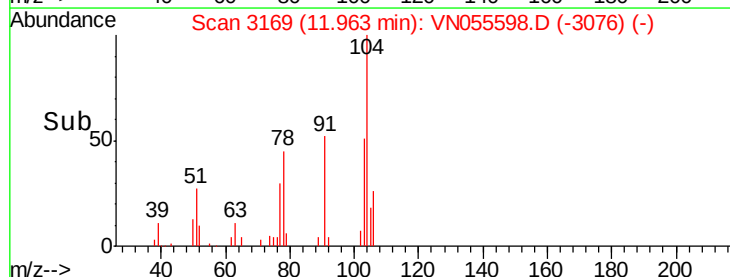
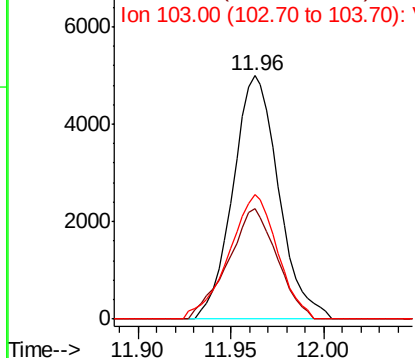


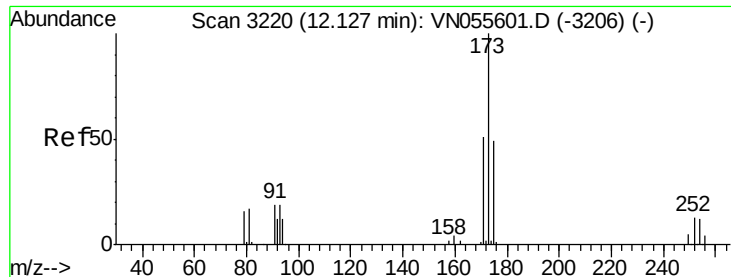
#70
Styrene
Concen: 1.100 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion:104 Resp: 8565
Ion Ratio Lower Upper
104 100
78 48.4 38.6 58.0
103 54.1 44.4 66.6



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





#71

Bromoform

Concen: 1.189 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

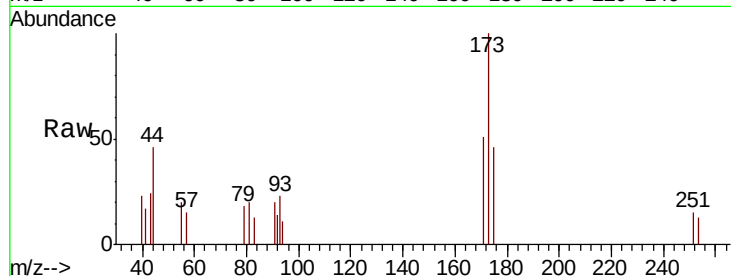
Tot Ion:173 Resp: 2626

Ion Ratio Lower Upper

173 100

175 47.6 24.3 72.9

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

12.13

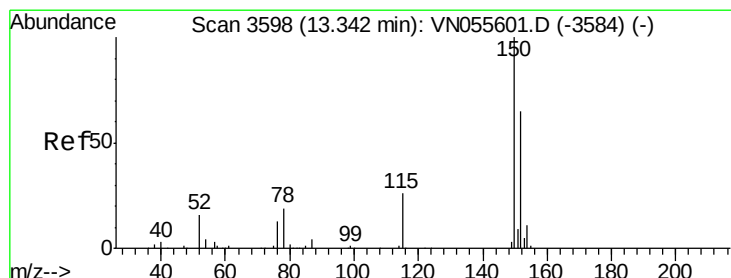
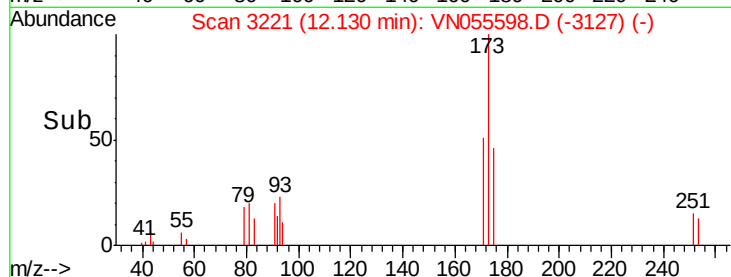
1500

1000

500

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

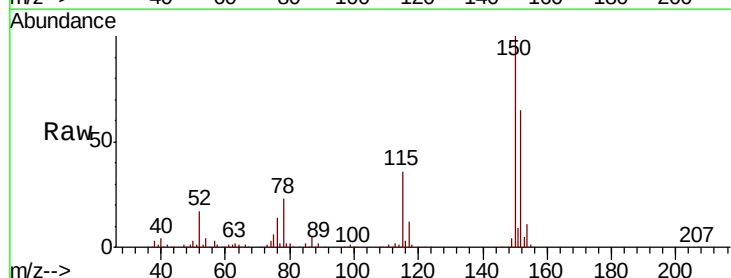
Tgt Ion:152 Resp: 141559

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.2

150 155.1 0.0 348.0



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

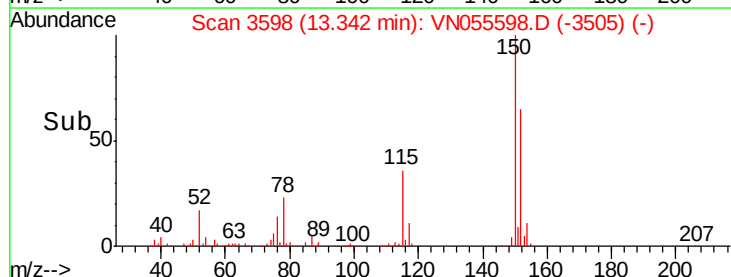
150000

100000

50000

0

Time-->



13.34

13.34

13.34

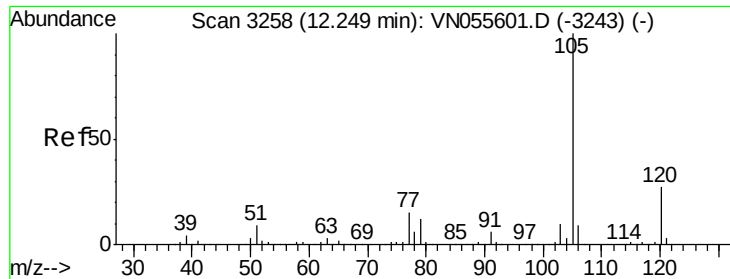
13.34

13.34

13.34

13.34

13.34



#73

Isopropylbenzene

Concen: 1.504 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

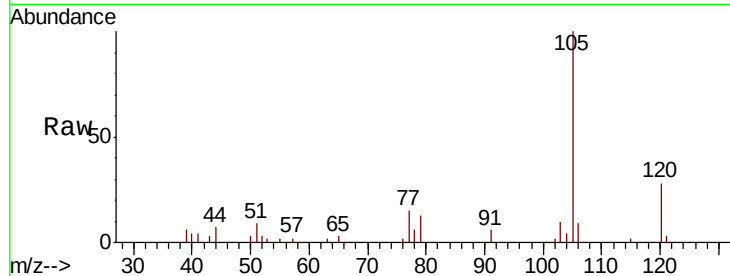
ClientSampled :

Tot Ion:105 Resp: 15078

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

10000

8000

6000

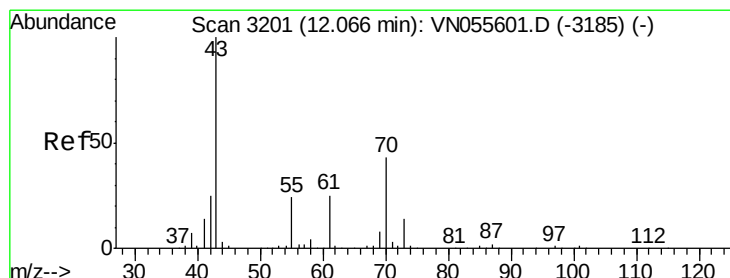
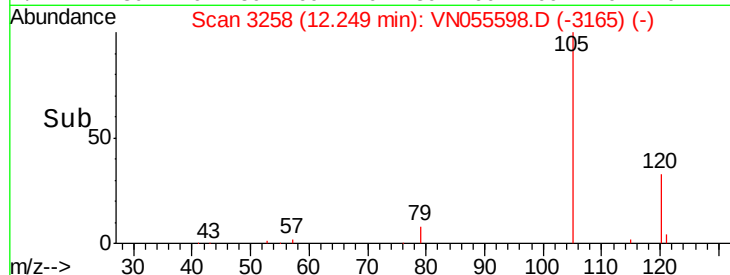
4000

2000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 1.403 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.01 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Tgt Ion: 43 Resp: 3593

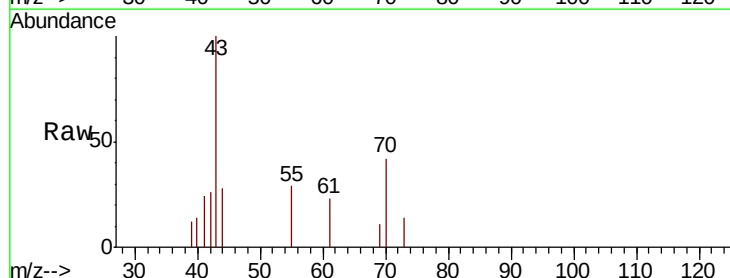
Ion Ratio Lower Upper

43 100

70 54.2 35.0 52.6#

55 25.9 18.9 28.3

61 25.7 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

4000

3000

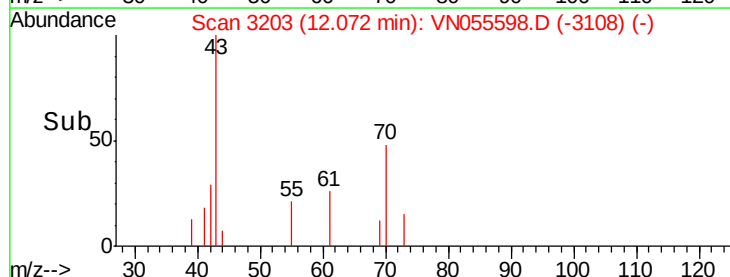
2000

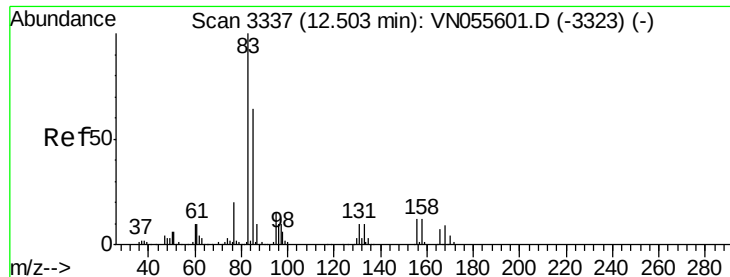
1000

0

Time-->

12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 1.895 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

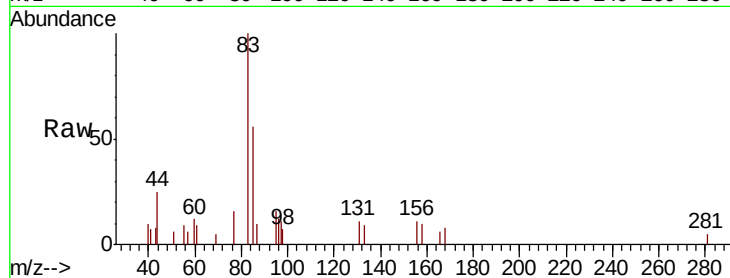
Tot Ion: 83 Resp: 4745

Ion Ratio Lower Upper

83 100

131 8.3 5.3 16.1

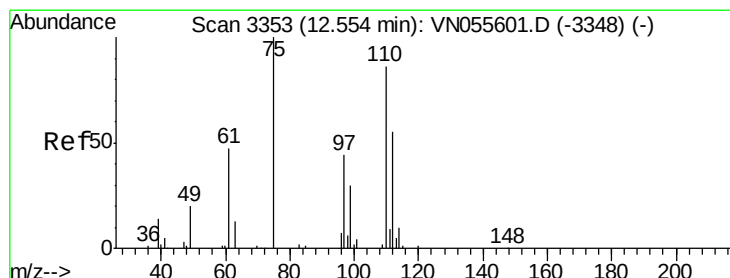
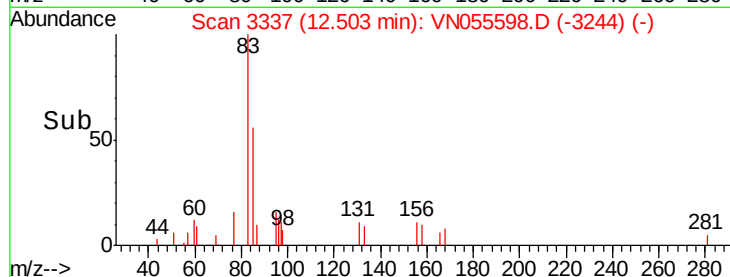
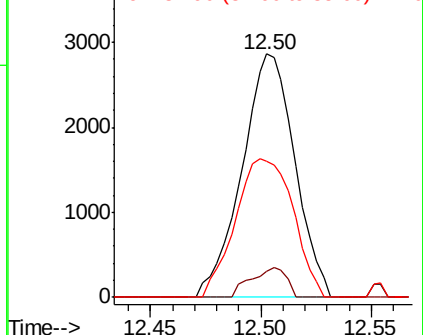
85 62.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VN055598.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN055598.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN055598.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 2.253 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN055598.D

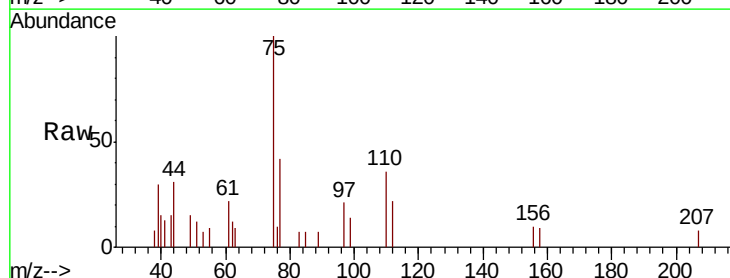
Acq: 17 May 2019 9:29

Tgt Ion: 75 Resp: 4900

Ion Ratio Lower Upper

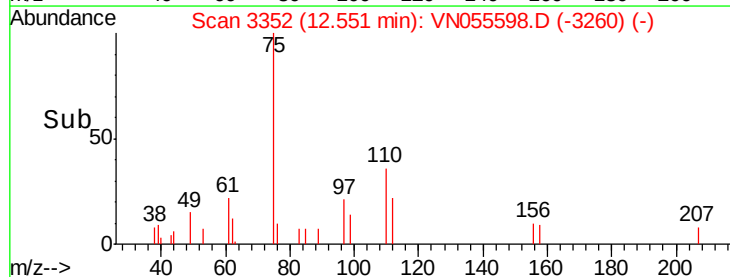
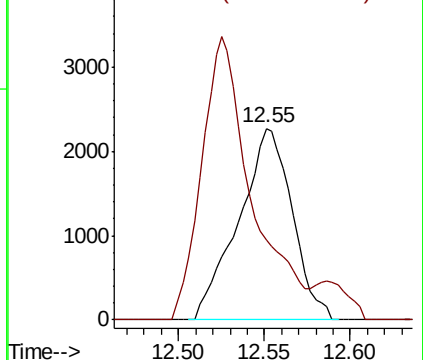
75 100

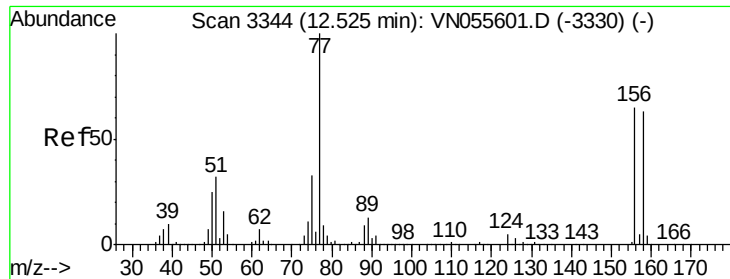
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055598.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055598.D (-3260) (-)





#77

Bromobenzene

Concen: 1.298 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

ClientSampled :

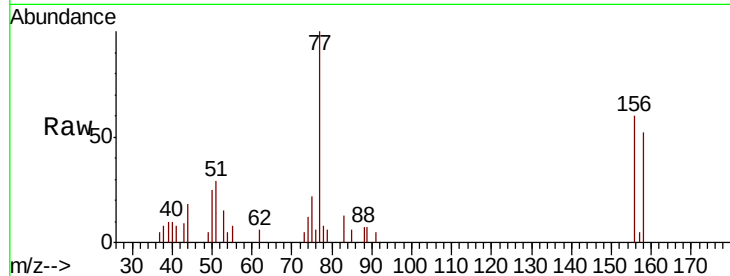
Tot Ion:156 Resp: 3480

Ion Ratio Lower Upper

156 100

77 196.3 94.5 283.5

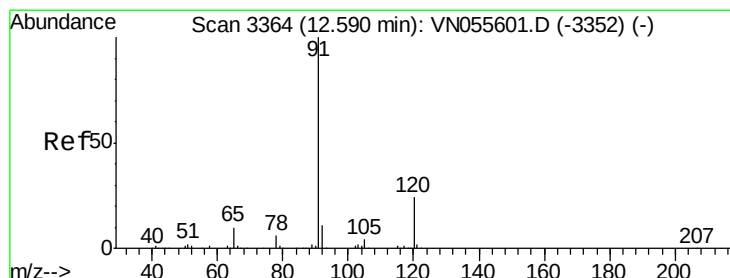
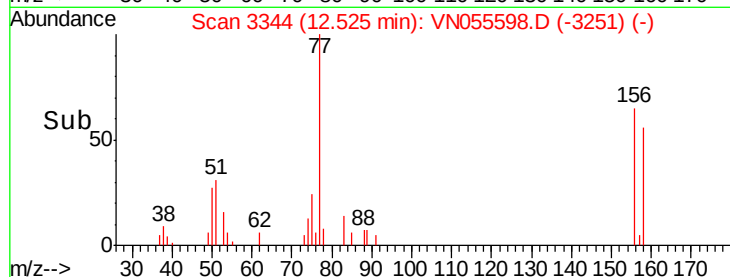
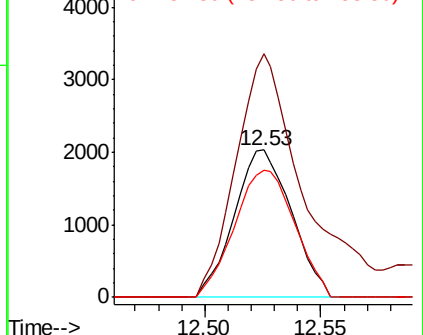
158 90.9 49.0 147.2



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: 1.407 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055598.D

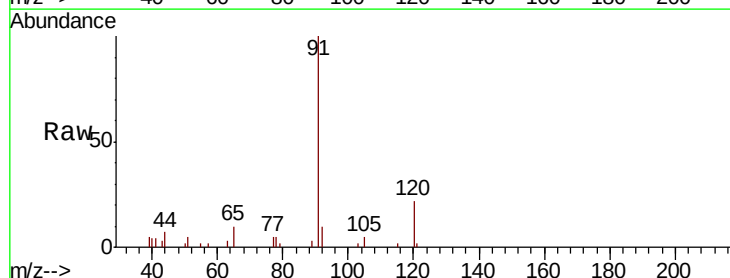
Acq: 17 May 2019 9:29

Tgt Ion: 91 Resp: 15704

Ion Ratio Lower Upper

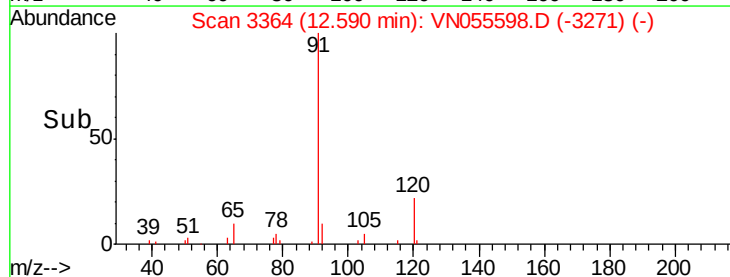
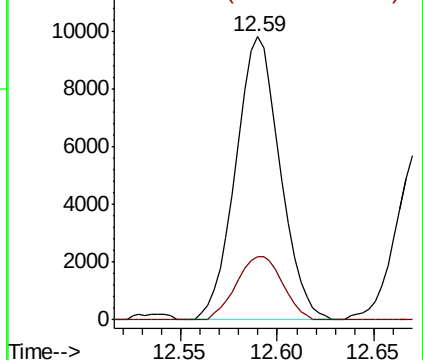
91 100

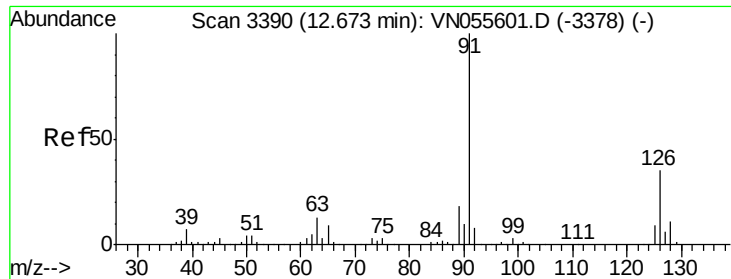
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

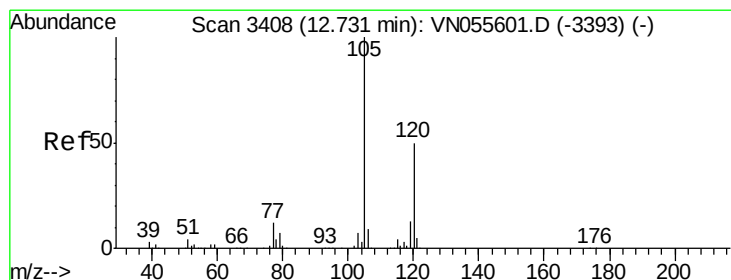
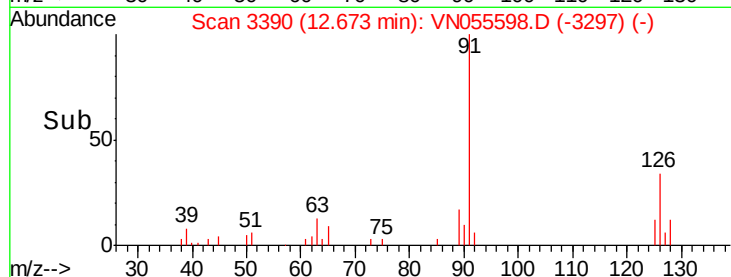
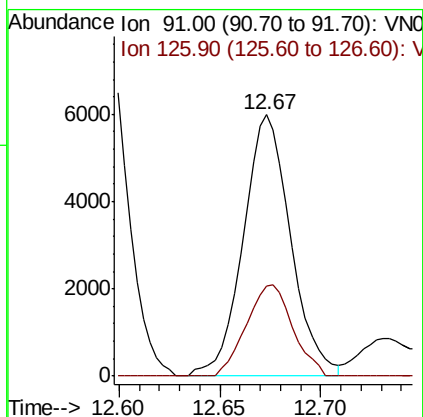
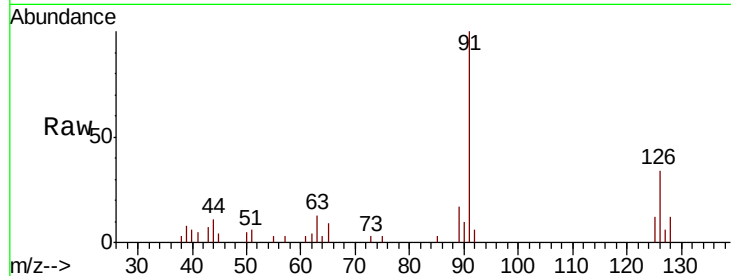




#79
 2-Chlorotoluene
 Concen: 1.462 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

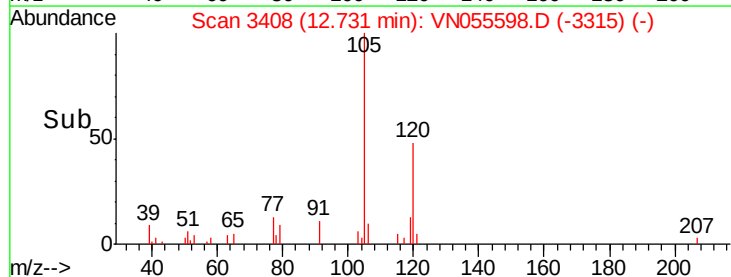
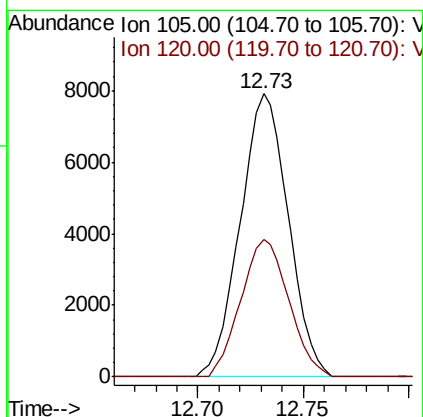
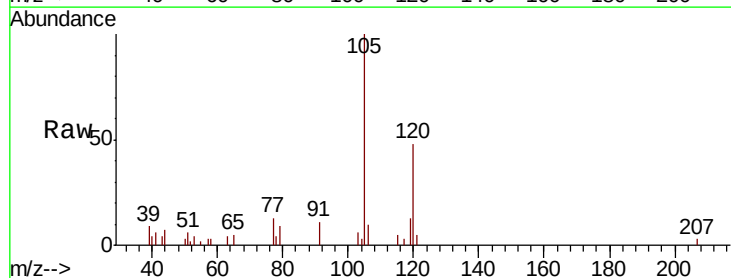
Instrument :
 MSVOA_N
 ClientSampleId :

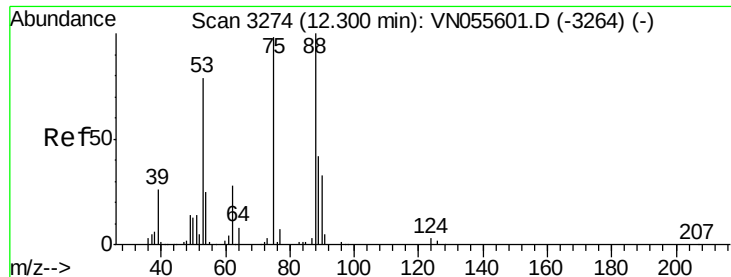
Tot Ion: 91 Resp: 9862
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 1.507 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Tgt Ion: 105 Resp: 12535
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 1.565 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

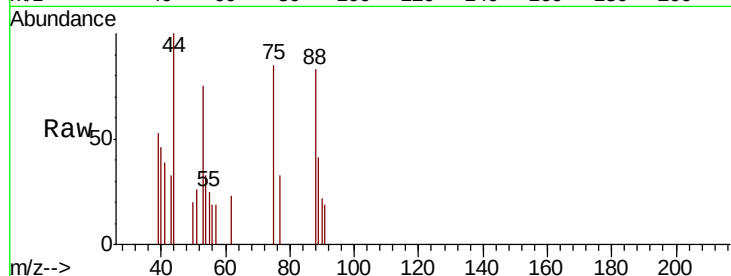
Tot Ion: 75 Resp: 1102

Ion Ratio Lower Upper

75 100

53 89.4 65.1 97.7

89 47.4 36.4 54.6



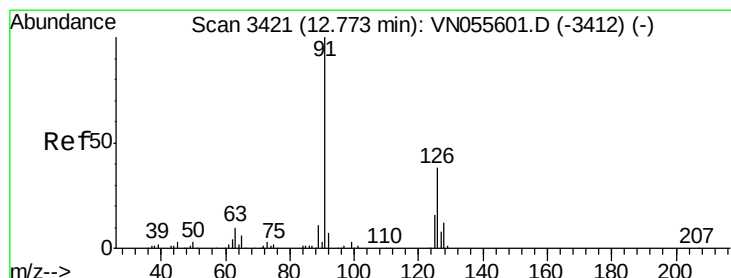
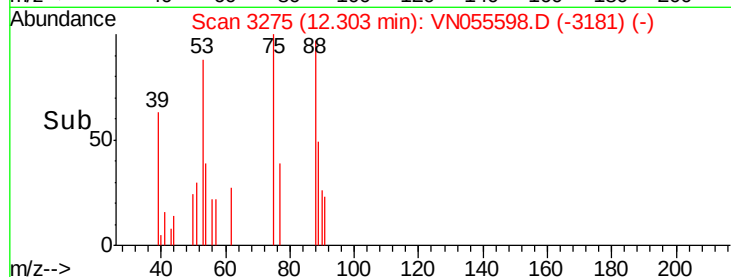
Abundance Ion 74.90 (74.60 to 75.60): VN055601.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055601.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055601.D (-3264) (-)

12.30

Time--> 12.25 12.30



#82

4-Chlorotoluene

Concen: 1.348 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055598.D

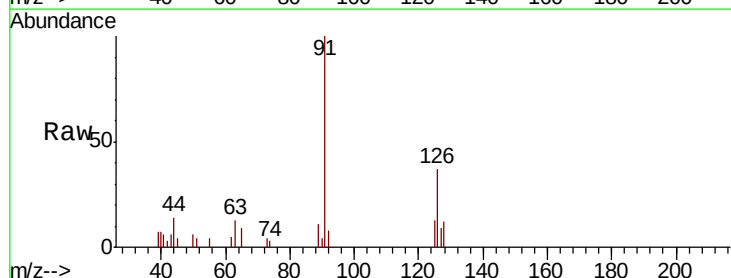
Acq: 17 May 2019 9:29

Tgt Ion: 91 Resp: 9047

Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.6

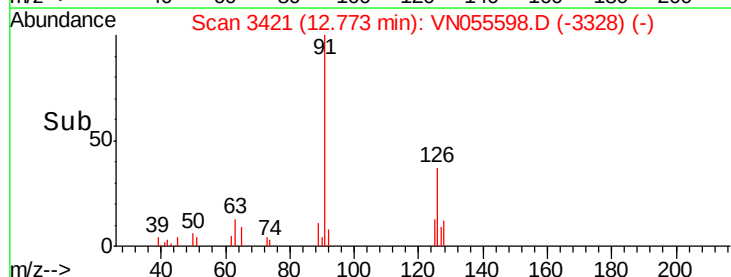


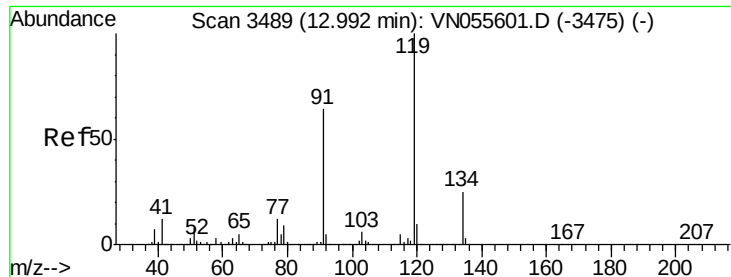
Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN055601.D (-3412) (-)

12.77

Time--> 12.75 12.80

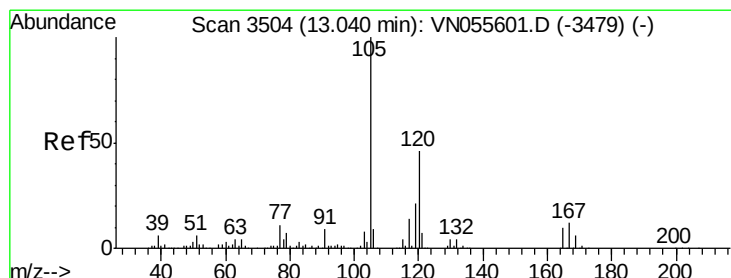
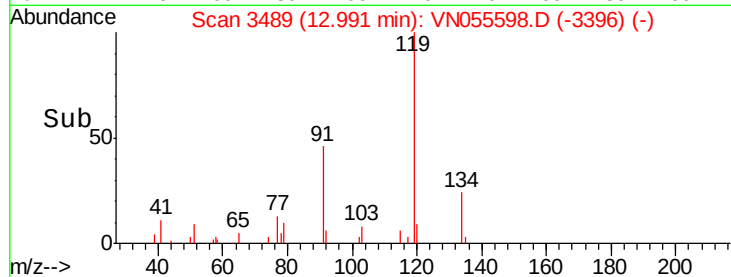
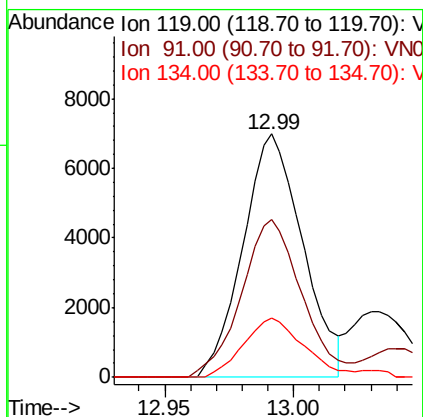
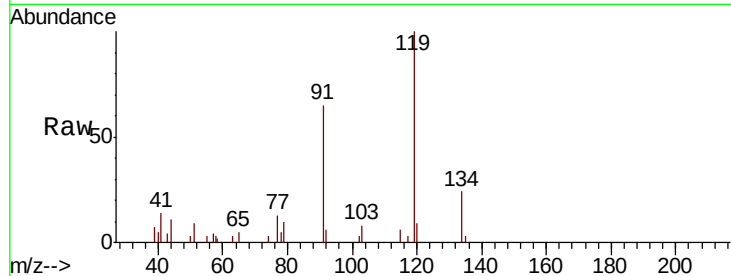




#83
tert-Butylbenzene
Concen: 1.521 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

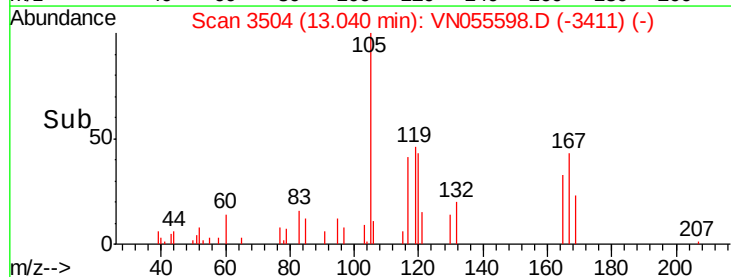
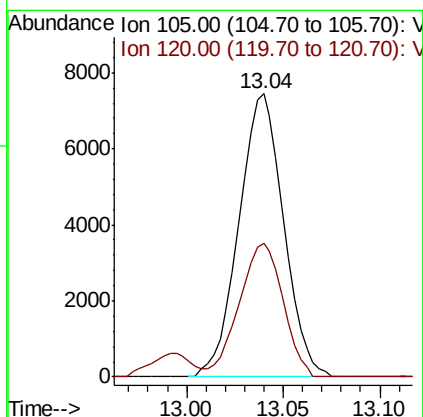
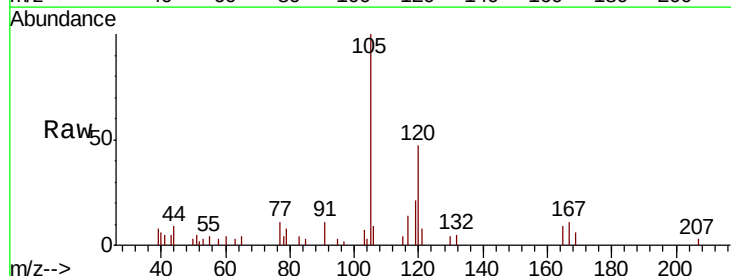
Instrument :
MSVOA_N
ClientSampleId :

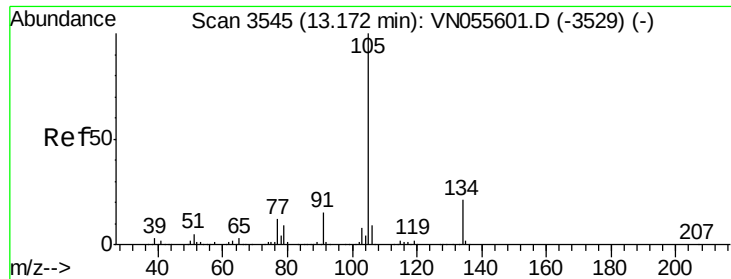
Tot Ion:119 Resp: 11309
Ion Ratio Lower Upper
119 100
91 65.0 31.3 93.8
134 24.6 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 1.441 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055598.D
Acq: 17 May 2019 9:29

Tgt Ion:105 Resp: 11966
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.2





#85

sec-Butylbenzene

Concen: 1.377 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

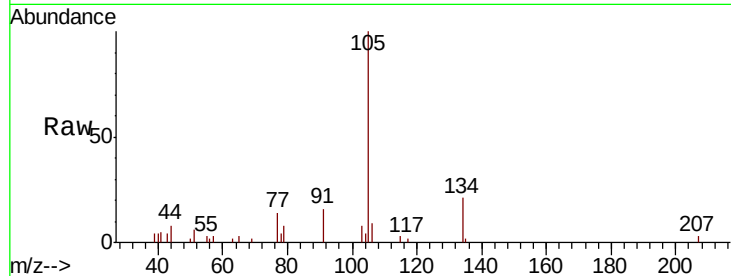
ClientSampled :

Tot Ion:105 Resp: 13704

Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

8000

6000

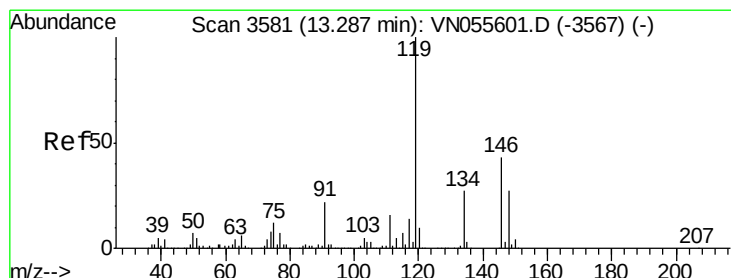
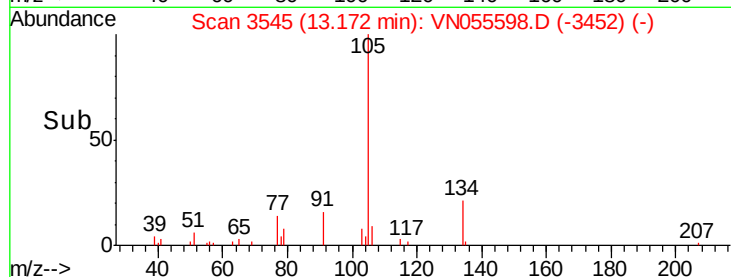
4000

2000

0

13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 1.453 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

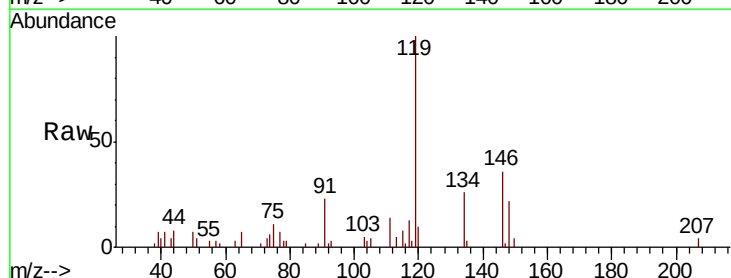
Tgt Ion:119 Resp: 12634

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 25.2 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

10000

8000

6000

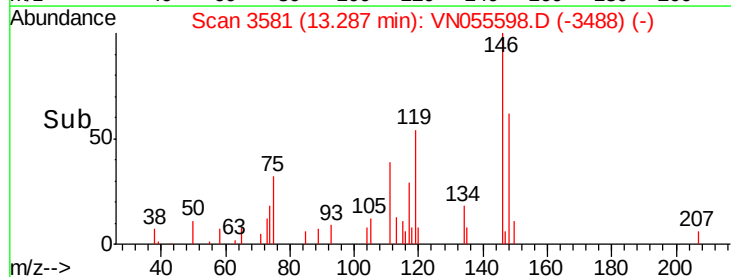
4000

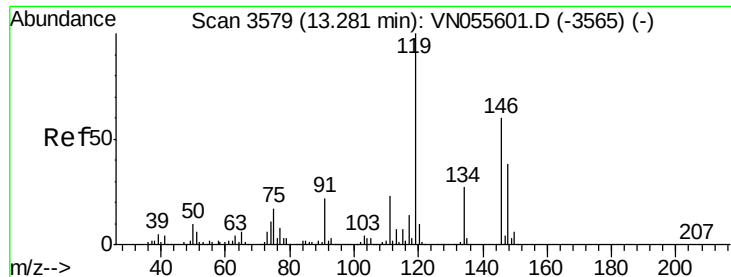
2000

0

13.25 13.30

Time-->

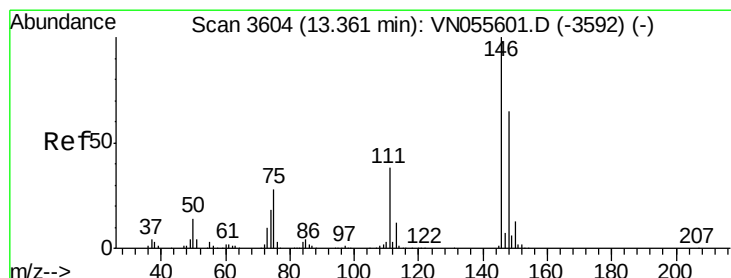
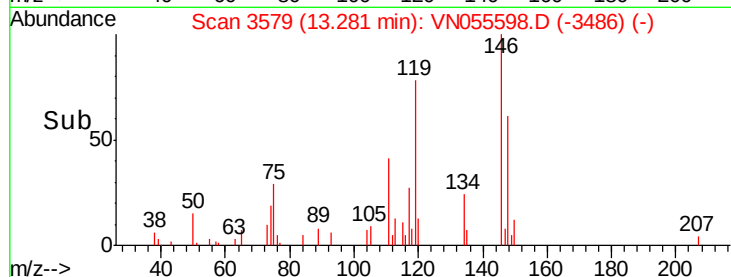
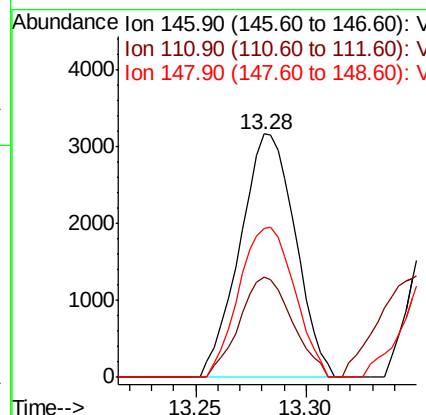
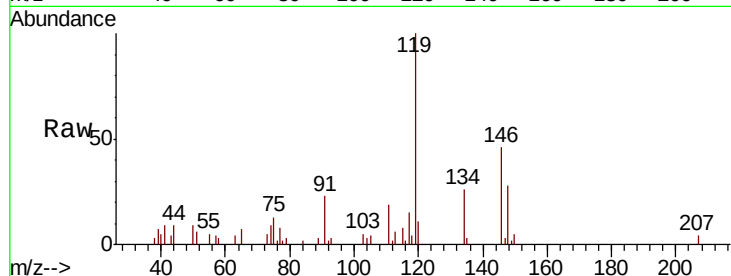




#87
 1,3-Dichlorobenzene
 Concen: 1.180 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

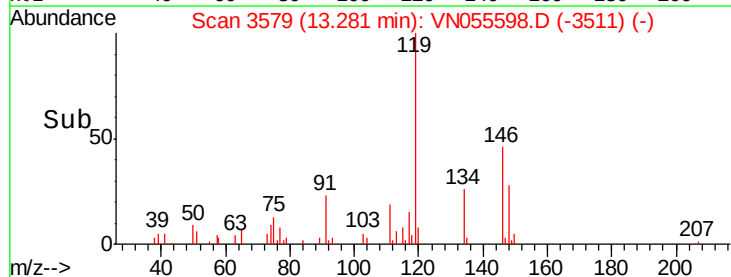
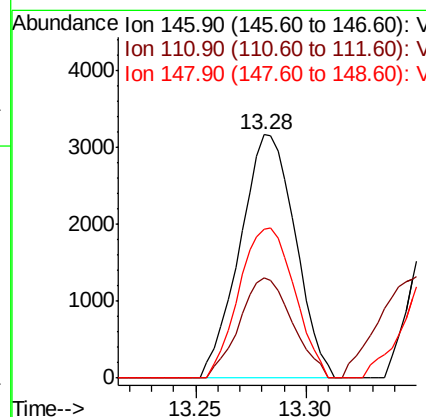
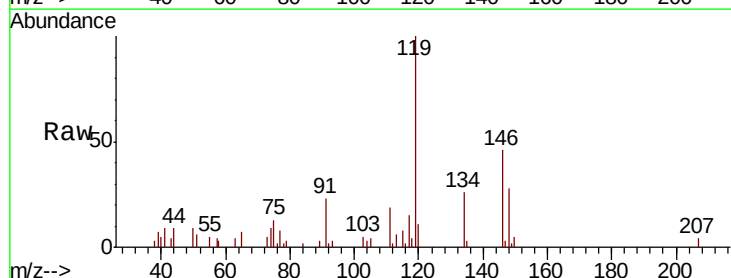
Instrument :
 MSVOA_N
 ClientSampleId :

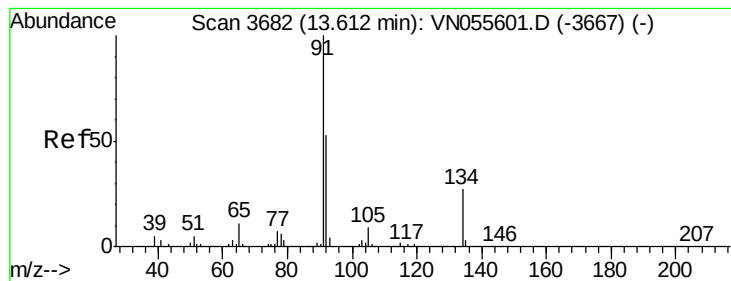
Tot Ion:146 Resp: 5500
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.9 56.9
 148 61.8 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 1.174 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Tgt Ion:146 Resp: 5500
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.8 56.4
 148 61.8 32.4 97.0





#89

n-Butylbenzene

Concen: 1.173 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

ClientSampled :

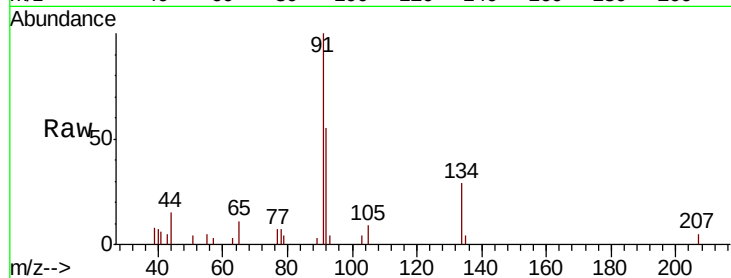
Tot Ion: 91 Resp: 8366

Ion Ratio Lower Upper

91 100

92 54.4 26.4 79.0

134 28.4 13.7 41.1

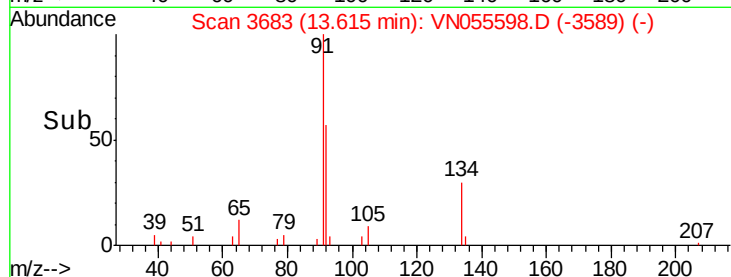


Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN055601.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN055601.D (-3667) (-)

Time-->



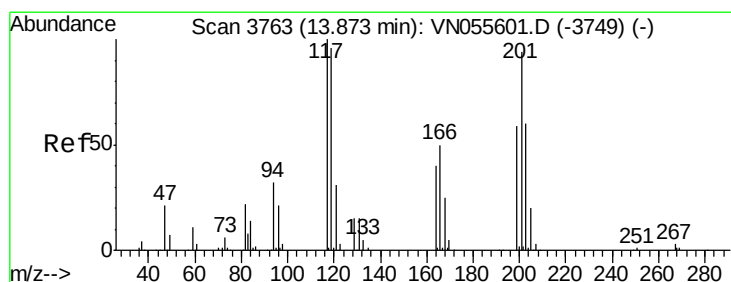
Abundance

Ion 91.00 (90.70 to 91.70): VN055598.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN055598.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN055598.D (-3589) (-)

Time-->



#90

Hexachloroethane

Concen: 1.383 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055598.D

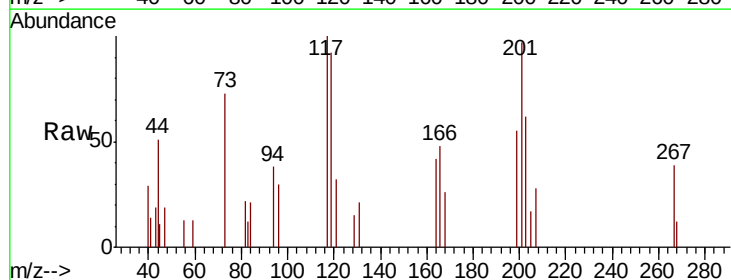
Acq: 17 May 2019 9:29

Tgt Ion: 117 Resp: 2343

Ion Ratio Lower Upper

117 100

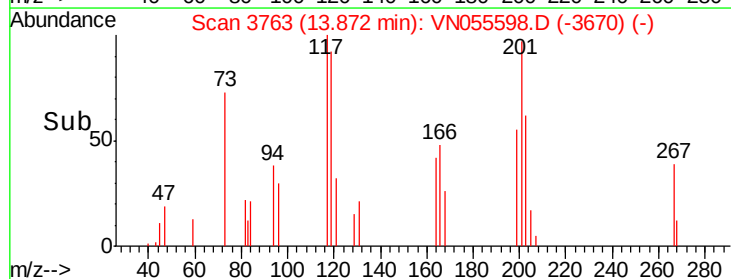
201 93.6 47.1 141.3



Abundance Ion 116.80 (116.50 to 117.50): VN055601.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055601.D (-3749) (-)

Time-->

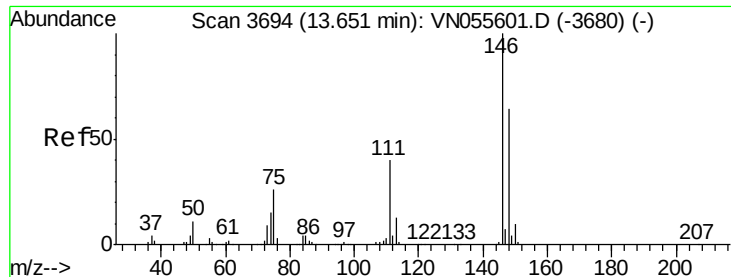


Abundance

Ion 116.80 (116.50 to 117.50): VN055598.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN055598.D (-3670) (-)

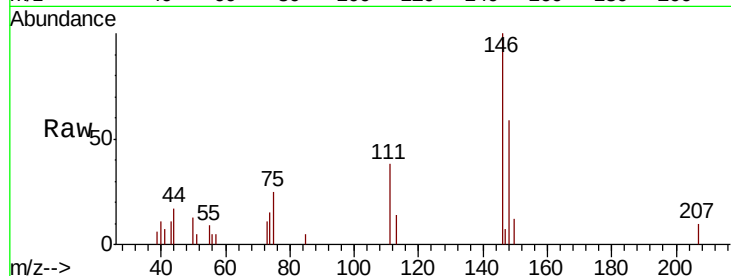
Time-->



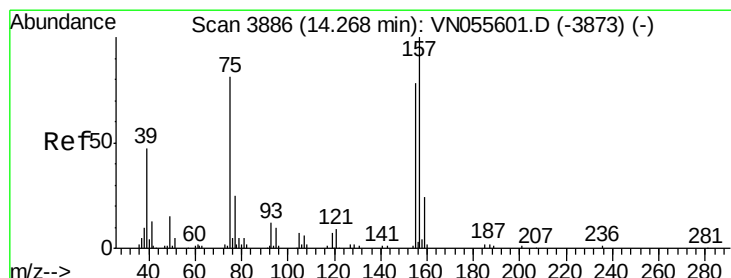
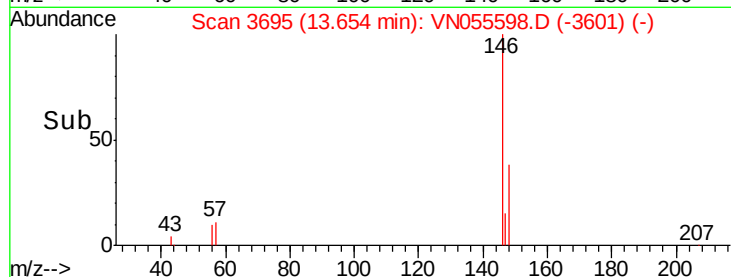
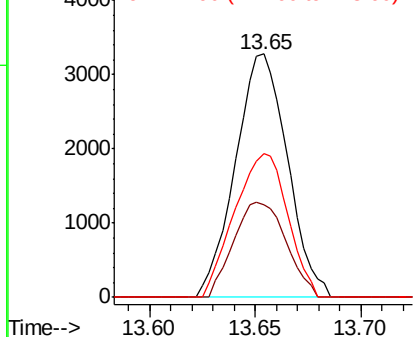
#91
 1,2-Dichlorobenzene
 Concen: 1.229 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	60.2	32.1	96.3

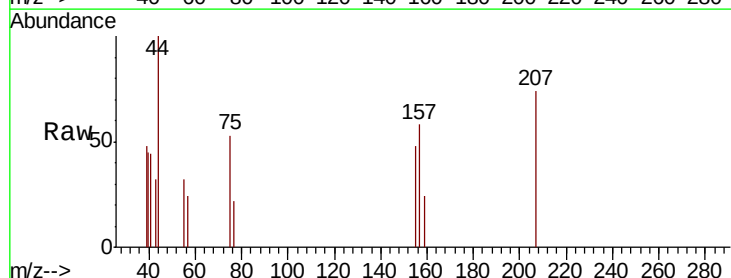


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

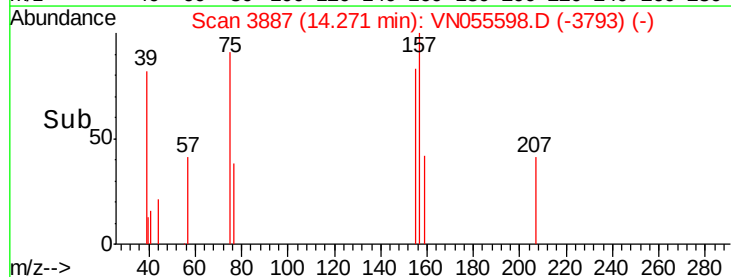
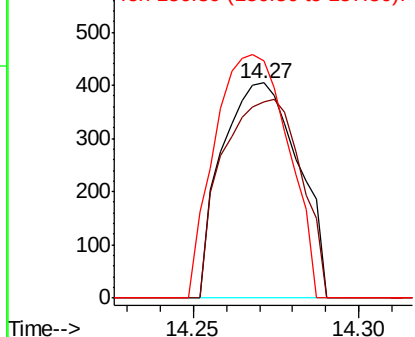


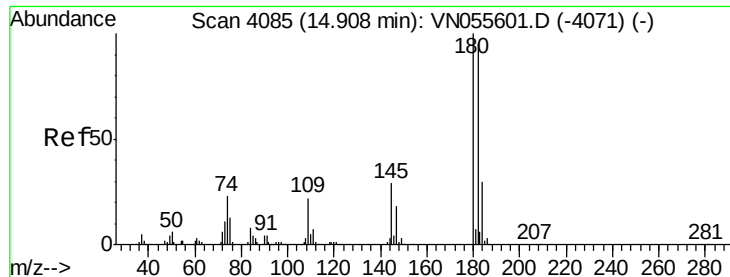
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.640 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	48.4	145.0
157	108.6	62.3	186.8



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

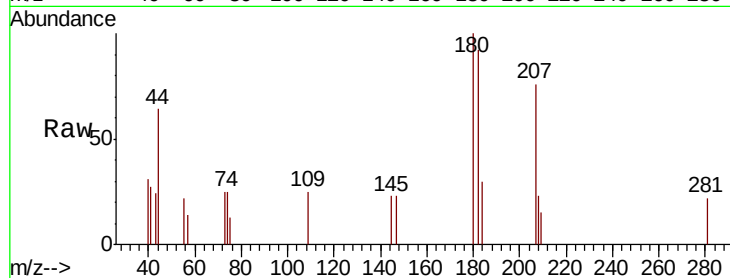




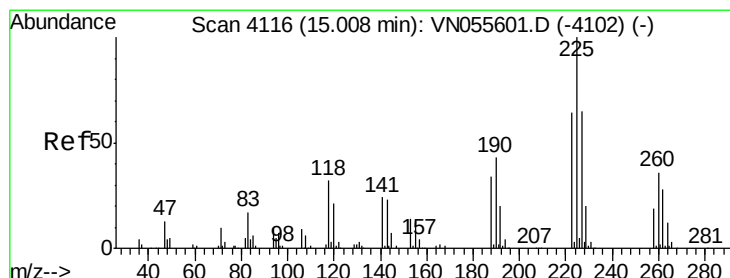
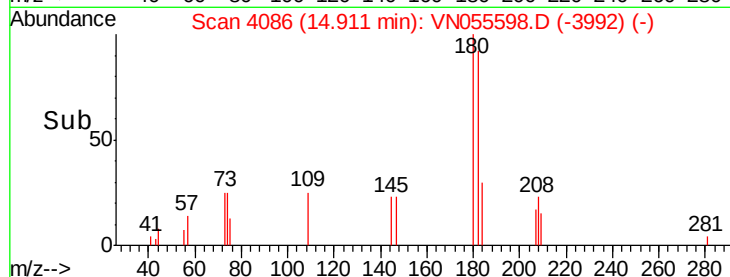
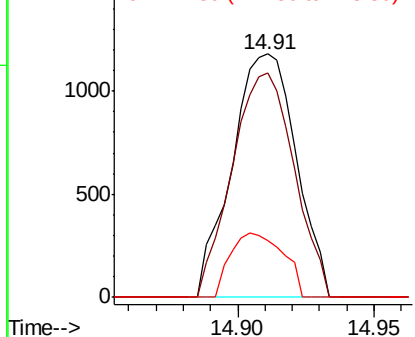
#93
 1,2,4-Trichlorobenzene
 Concen: 0.804 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1926
 Ion Ratio Lower Upper
 180 100
 182 89.1 47.9 143.6
 145 21.9 14.3 42.9

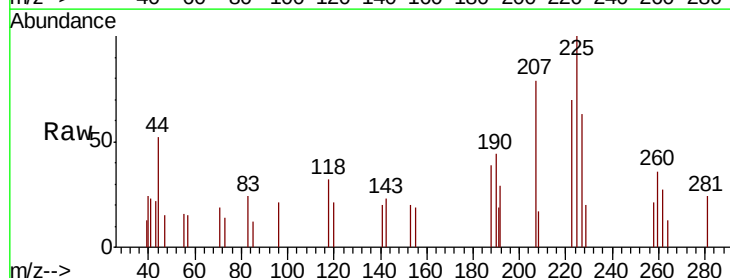


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

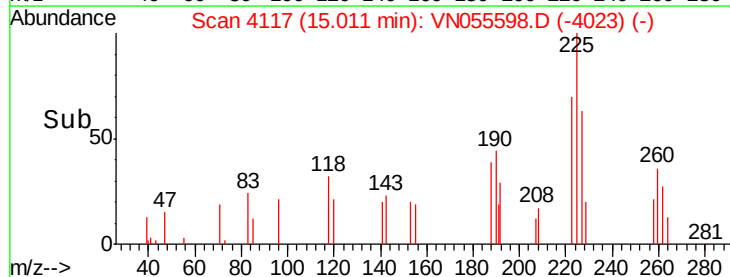
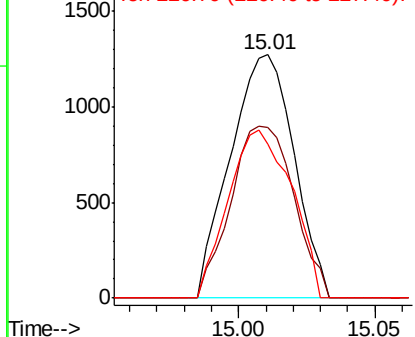


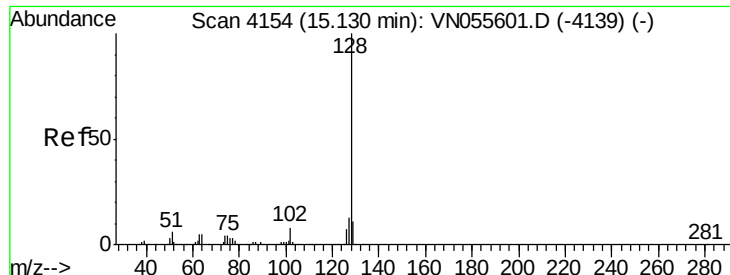
#94
 Hexachlorobutadiene
 Concen: 1.081 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055598.D
 Acq: 17 May 2019 9:29

Tgt Ion:225 Resp: 2058
 Ion Ratio Lower Upper
 225 100
 223 70.3 31.6 94.7
 227 69.0 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.108 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

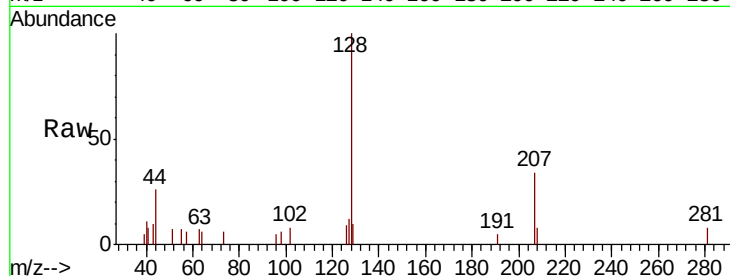
Tot Ion:128 Resp: 5336

Ion Ratio Lower Upper

128 100

127 10.0 10.2 15.4#

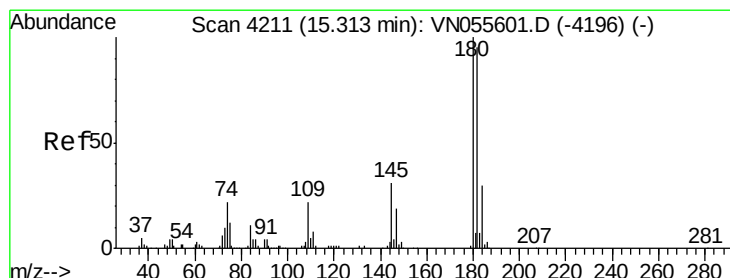
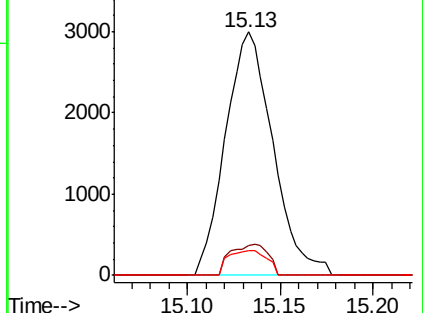
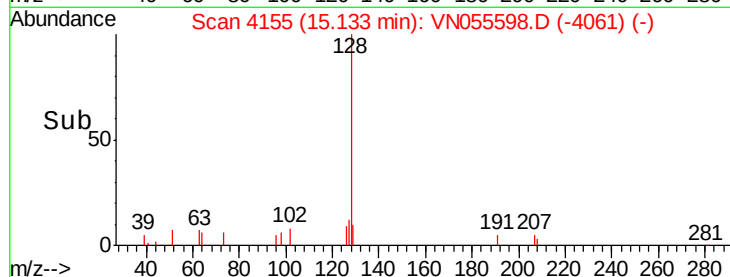
129 8.2 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.022 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055598.D

Acq: 17 May 2019 9:29

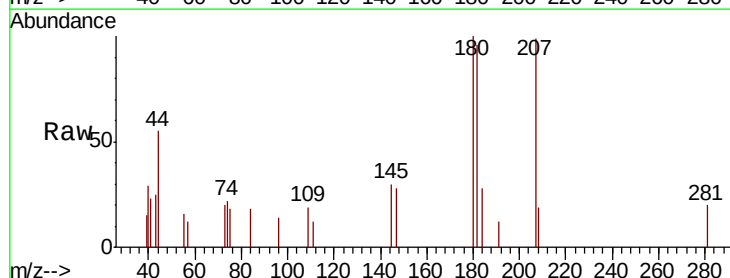
Tgt Ion:180 Resp: 2387

Ion Ratio Lower Upper

180 100

182 94.9 47.9 143.6

145 29.4 15.4 46.1



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

