

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056098.D
 Acq On : 7 Jun 2019 14:31
 Operator : JC/SP
 Sample : VN0608WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	301973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	439648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	394012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164117	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	153564	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.59	113	135993	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	522433	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.40	95	173965	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	65933	20.088	ug/l	100
3) Chloromethane	2.06	50	70243	21.459	ug/l	99
4) Vinyl Chloride	2.19	62	68139	20.752	ug/l	99
5) Bromomethane	2.54	94	42279	20.383	ug/l	99
6) Chloroethane	2.69	64	38447	20.195	ug/l	99
7) Trichlorofluoromethane	3.01	101	82856	19.766	ug/l	98
8) Diethyl Ether	3.40	74	33387	19.368	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	53041	20.830	ug/l	99
10) Methyl Iodide	3.94	142	70919	17.526	ug/l	98
11) Tert butyl alcohol	4.82	59	47289	90.631	ug/l #	92
12) 1,1-Dichloroethene	3.72	96	50935	20.092	ug/l	99
13) Acrolein	3.60	56	11760	78.148	ug/l	97
14) Allyl chloride	4.31	41	79046	19.747	ug/l	98
15) Acrylonitrile	4.99	53	141849	111.679	ug/l	99
16) Acetone	3.82	43	129769	90.494	ug/l	96
17) Carbon Disulfide	4.04	76	104016	17.137	ug/l	99
18) Methyl Acetate	4.33	43	64222	22.481	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	165631	20.498	ug/l	98
20) Methylene Chloride	4.54	84	61583	20.844	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	54703	20.140	ug/l	95
22) Diisopropyl ether	5.95	45	169969	20.541	ug/l	99
23) Vinyl Acetate	5.90	43	680744	104.468	ug/l	100
24) 1,1-Dichloroethane	5.84	63	98266	20.587	ug/l	98
25) 2-Butanone	6.84	43	192516	106.255	ug/l	100
26) 2,2-Dichloropropane	6.82	77	65084	17.474	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	64518	20.207	ug/l	97
28) Bromochloromethane	7.19	49	46883	20.770	ug/l	98
29) Tetrahydrofuran	7.22	42	124831	111.460	ug/l	100
30) Chloroform	7.37	83	98158	20.443	ug/l	99
31) Cyclohexane	7.65	56	94619	19.887	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	79237	19.762	ug/l	100
36) 1,1-Dichloropropene	7.79	75	72125	19.079	ug/l	99
37) Ethyl Acetate	6.93	43	74881	22.262	ug/l	99
38) Carbon Tetrachloride	7.77	117	64761	18.581	ug/l	98

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

39) Methylcyclohexane	9.08	83	90836	19.289	ug/l	99
40) Benzene	8.04	78	235342	20.497	ug/l	100
41) Methacrylonitrile	7.18	41	35065	22.658	ug/l	94
42) 1,2-Dichloroethane	8.12	62	74602	20.199	ug/l	99
43) Isopropyl Acetate	8.17	43	112254	20.595	ug/l #	92
44) Trichloroethene	8.83	130	66125	20.042	ug/l	100
45) 1,2-Dichloropropane	9.12	63	61425	20.886	ug/l	99
46) Dibromomethane	9.21	93	39528	20.553	ug/l	98
47) Bromodichloromethane	9.40	83	66887	19.190	ug/l	100
48) Methyl methacrylate	9.20	41	57980	21.743	ug/l	98
49) 1,4-Dioxane	9.20	88	23148	402.094	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	369664	108.452	ug/l	99
52) Toluene	10.15	92	147477	20.641	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	68016	18.243	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	81601	19.476	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	59533	21.035	ug/l	97
56) Ethyl methacrylate	10.43	69	85247	20.647	ug/l	99
57) 1,3-Dichloropropane	10.71	76	95058	20.661	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	156446	104.756	ug/l	100
59) 2-Hexanone	10.75	43	258060	104.459	ug/l	99
60) Dibromochloromethane	10.90	129	55541	19.373	ug/l	99
61) 1,2-Dibromoethane	11.00	107	60002	20.739	ug/l	97
64) Tetrachloroethene	10.63	164	64823	19.006	ug/l	98
65) Chlorobenzene	11.43	112	157184	20.045	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	53916	19.913	ug/l	99
67) Ethyl Benzene	11.51	91	275912	20.235	ug/l	100
68) m/p-Xylenes	11.62	106	207879	39.909	ug/l	99
69) o-Xylene	11.95	106	103538	20.208	ug/l	98
70) Styrene	11.96	104	165580	20.339	ug/l	100
71) Bromoform	12.13	173	36001	17.711	ug/l #	100
73) Isopropylbenzene	12.25	105	272008	21.892	ug/l	99
74) N-amyl acetate	12.07	43	93917	21.468	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	82614	21.684	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	93160	30.849	ug/l #	100
77) Bromobenzene	12.53	156	72173	20.540	ug/l	96
78) n-propylbenzene	12.59	91	282885	20.375	ug/l	100
79) 2-Chlorotoluene	12.67	91	177020	21.671	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	223513	20.256	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	16167	17.829	ug/l #	80
82) 4-Chlorotoluene	12.77	91	163773	20.162	ug/l	99
83) tert-Butylbenzene	12.99	119	198967	21.695	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	217603	20.795	ug/l	99
85) sec-Butylbenzene	13.17	105	251207	20.430	ug/l	100
86) p-Isopropyltoluene	13.29	119	227118	20.639	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	111033	20.417	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	105244	20.118	ug/l	100
89) n-Butylbenzene	13.61	91	163441	20.050	ug/l	99
90) Hexachloroethane	13.87	117	31678	19.088	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	113083	20.596	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11489	21.084	ug/l	96

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

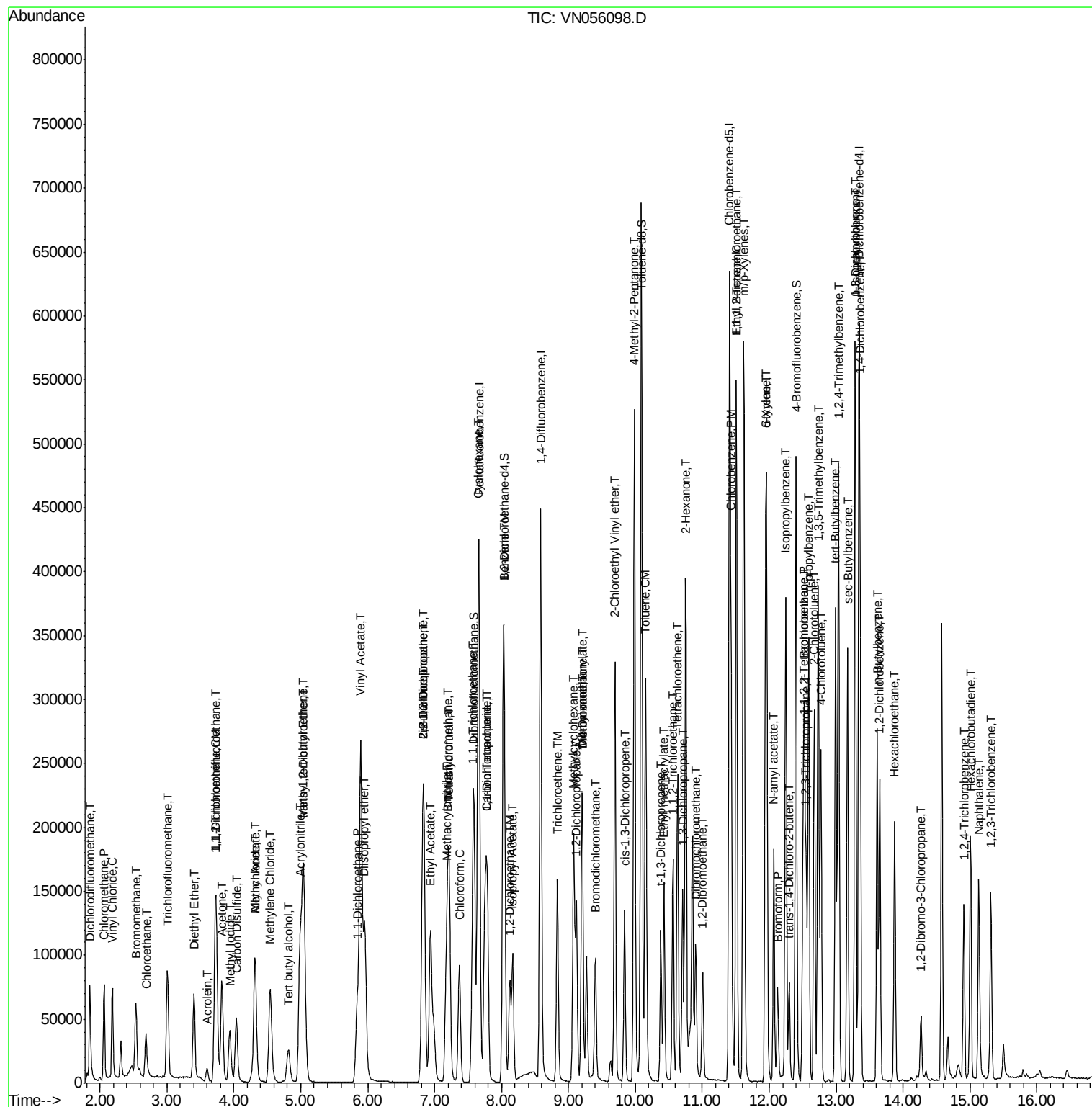
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48052	18.795	ug/l	98
94) Hexachlorobutadiene	15.01	225	42029	21.114	ug/l	100
95) Naphthalene	15.13	128	137692	20.041	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57628	20.588	ug/l	98

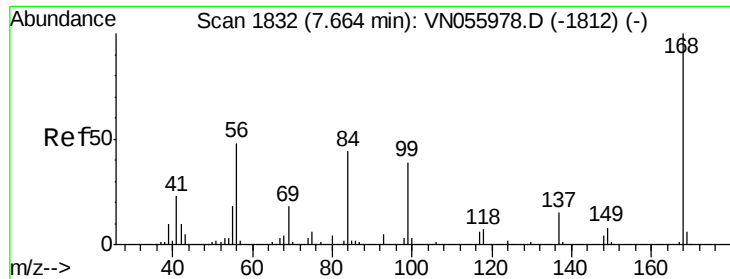
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

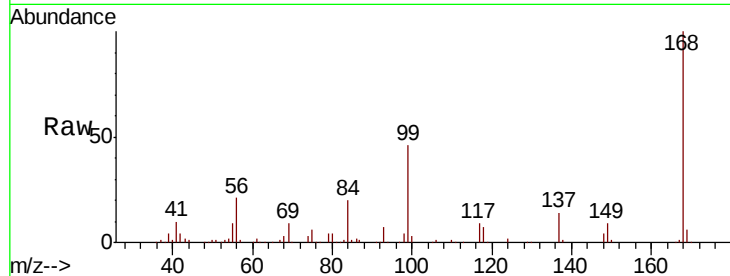
VN0608WBSD02

Tot Ion:168 Resp: 301973

Ion Ratio Lower Upper

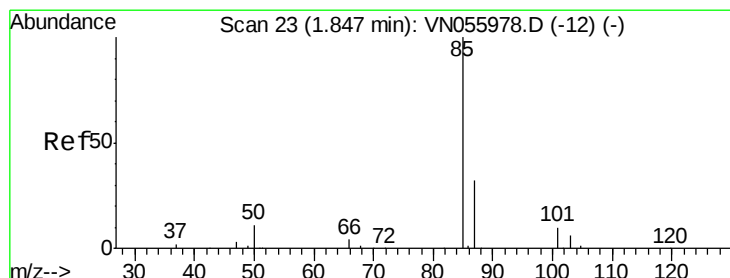
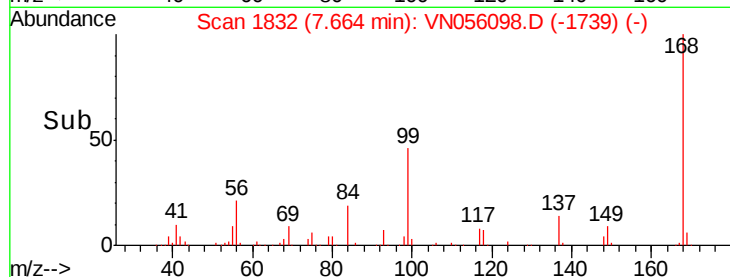
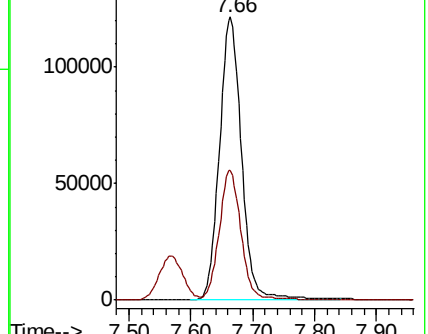
168 100

99 45.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.088 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056098.D

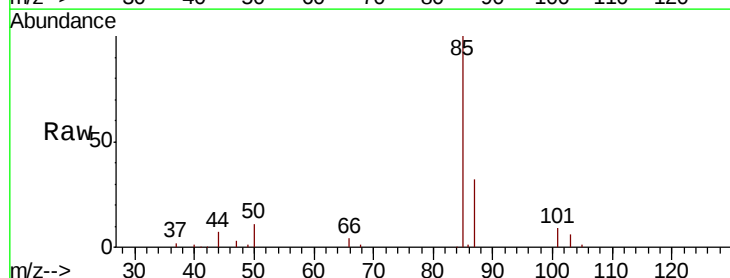
Acq: 7 Jun 2019 14:31

Tgt Ion: 85 Resp: 65933

Ion Ratio Lower Upper

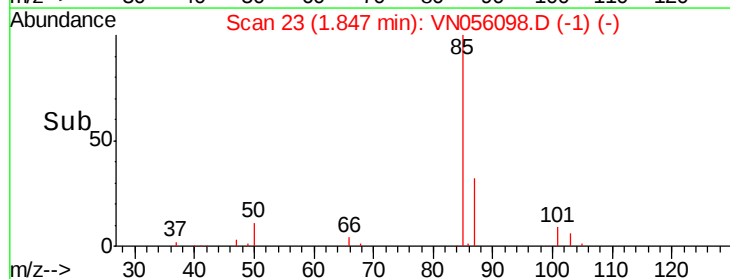
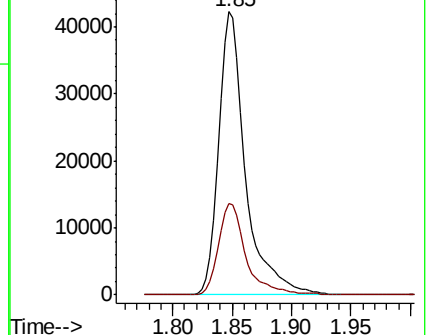
85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

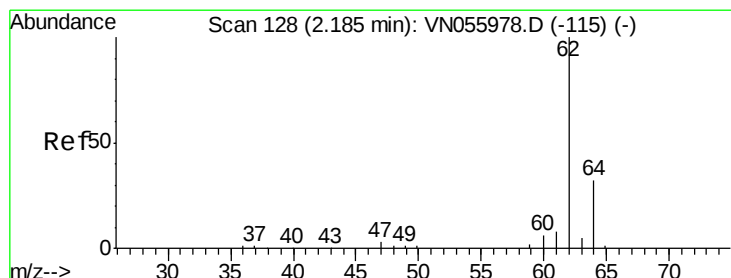
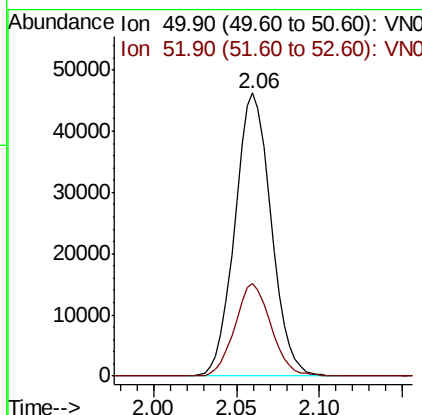
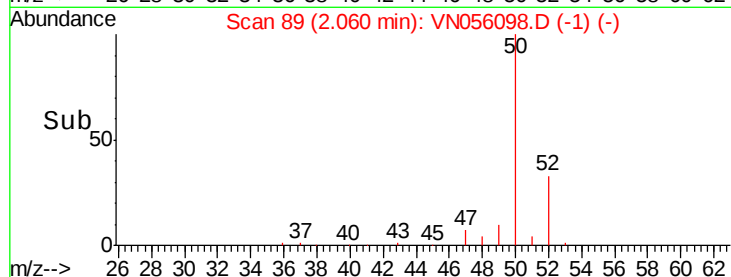
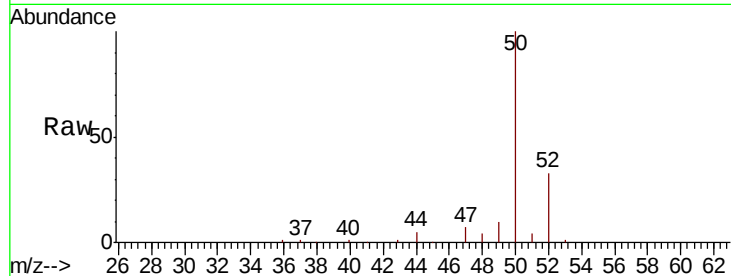




#3
 Chloromethane
 Concen: 21.459 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

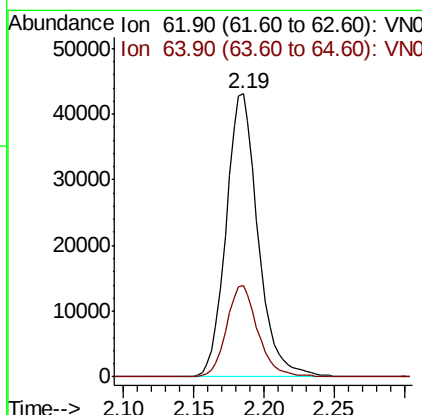
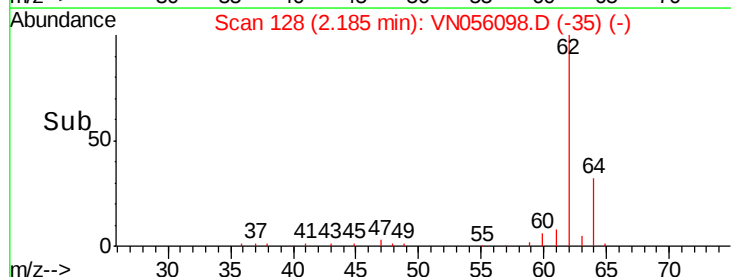
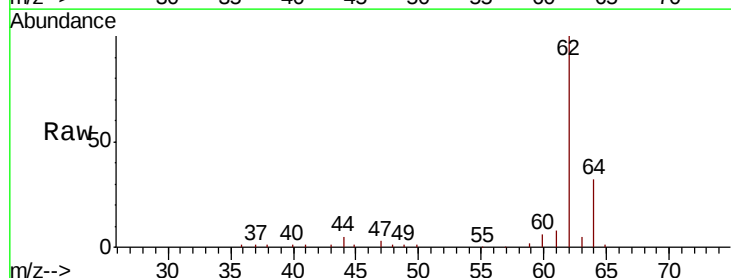
Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBSD02

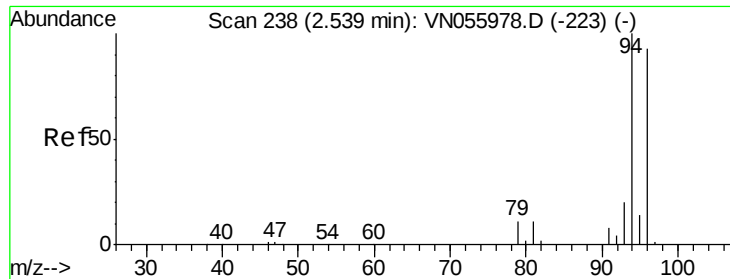
Tot Ion: 50 Resp: 70243
 Ion Ratio Lower Upper
 50 100
 52 32.9 26.6 40.0



#4
 Vinyl Chloride
 Concen: 20.752 ug/l
 RT: 2.19 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion: 62 Resp: 68139
 Ion Ratio Lower Upper
 62 100
 64 32.4 25.6 38.4

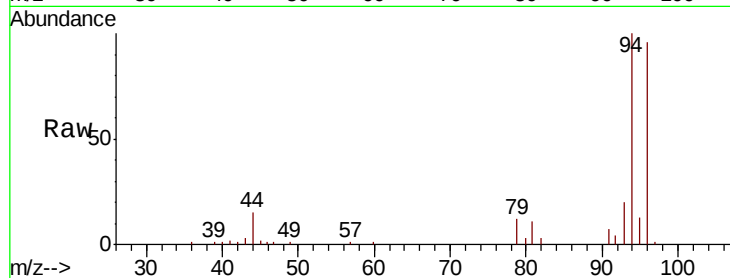




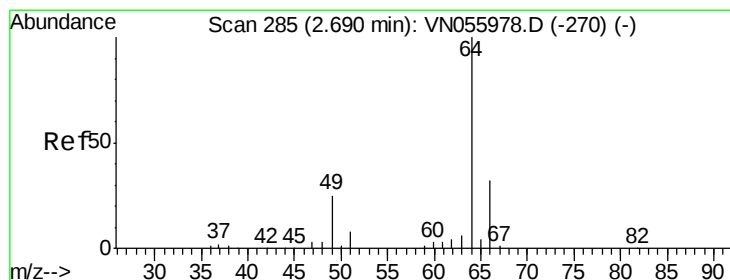
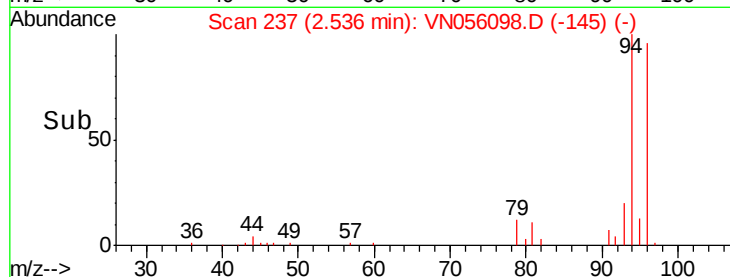
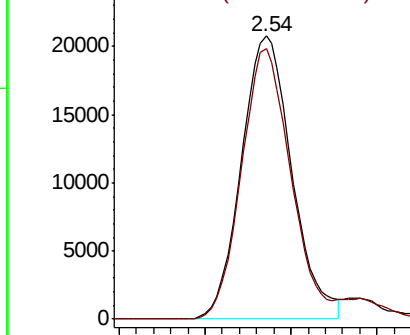
#5
Bromomethane
Concen: 20.383 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion: 94 Resp: 42279
Ion Ratio Lower Upper
94 100
96 95.6 75.5 113.3

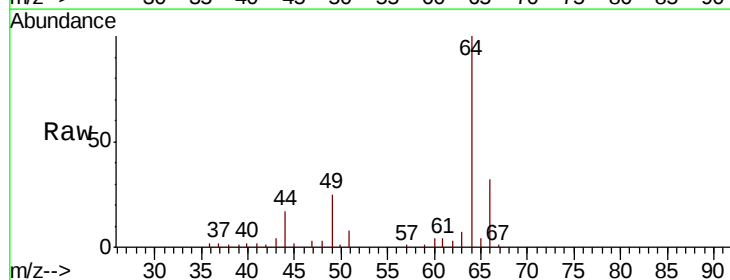


Abundance Ion 93.90 (93.60 to 94.60): VNC
Ion 95.90 (95.60 to 96.60): VNC

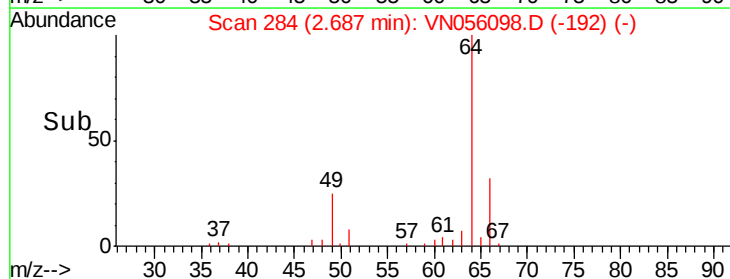
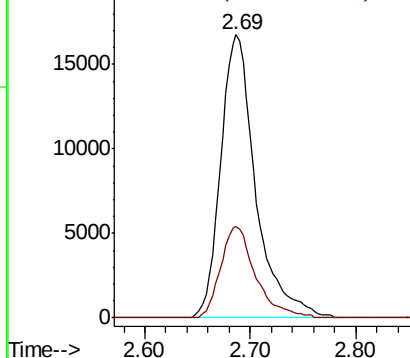


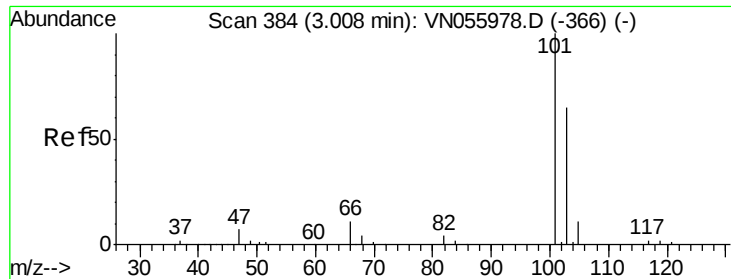
#6
Chloroethane
Concen: 20.195 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 64 Resp: 38447
Ion Ratio Lower Upper
64 100
66 32.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNC
Ion 65.90 (65.60 to 66.60): VNC



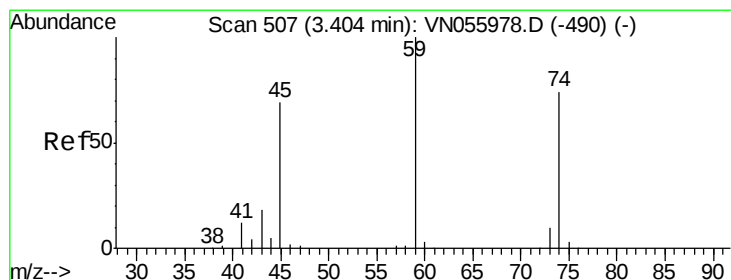
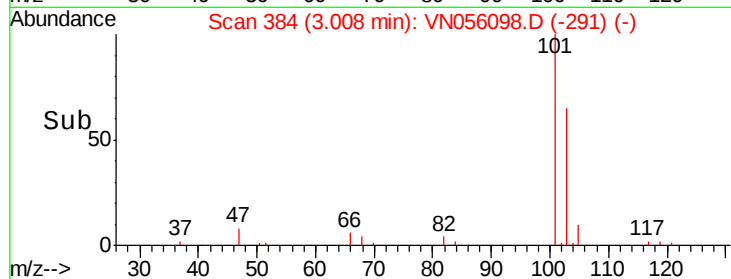
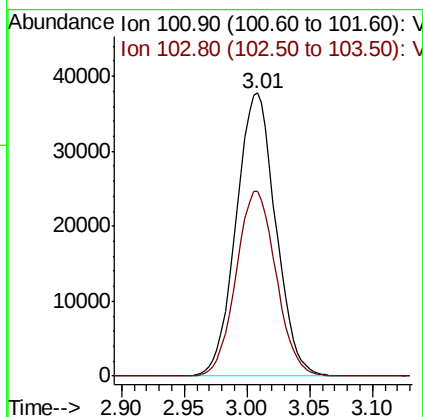
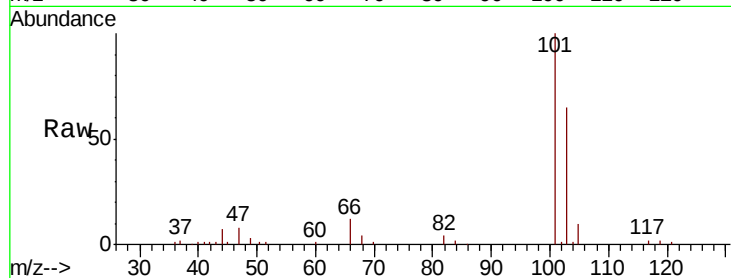


#7

Trichlorofluoromethane
 Concen: 19.766 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Instrument :
 MSVOA_N
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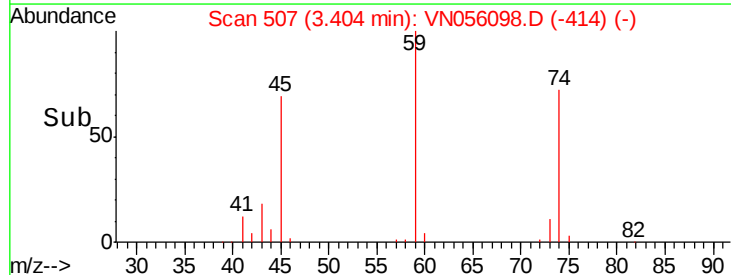
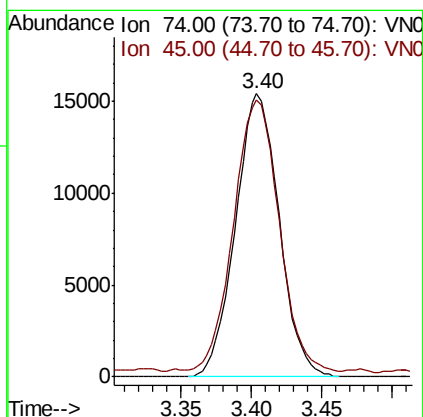
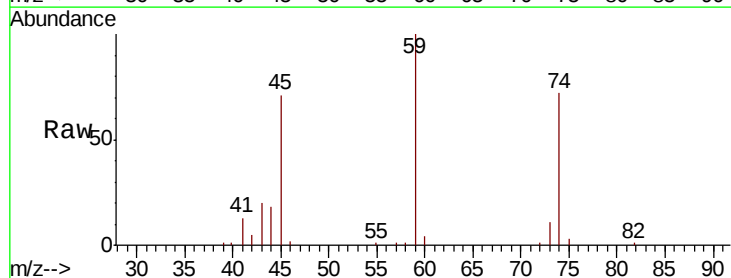
Tot Ion:101 Resp: 82856
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.2 76.8

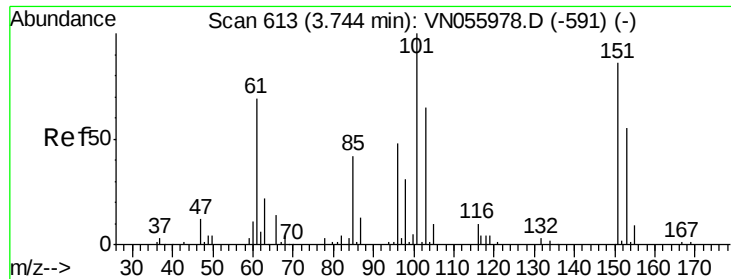


#8

Diethyl Ether
 Concen: 19.368 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion: 74 Resp: 33387
 Ion Ratio Lower Upper
 74 100
 45 99.1 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.830 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

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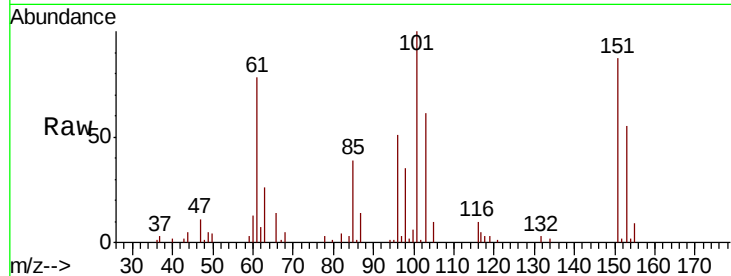
Tot Ion:101 Resp: 53041

Ion Ratio Lower Upper

101 100

85 40.8 33.4 50.2

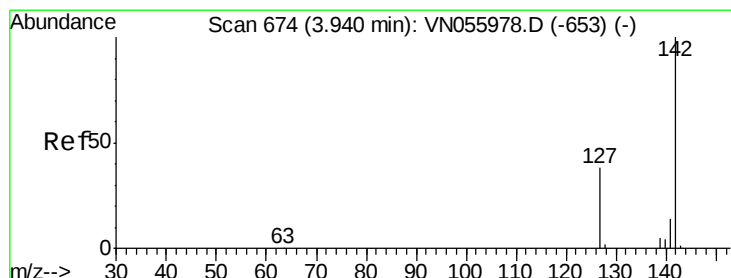
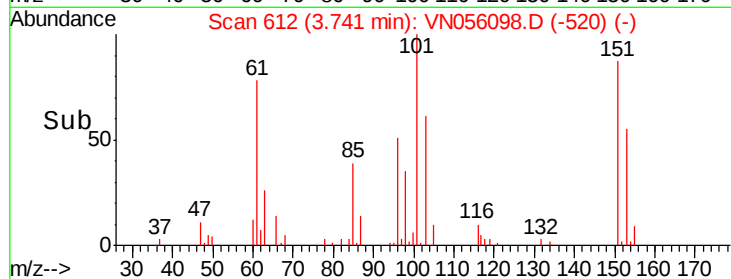
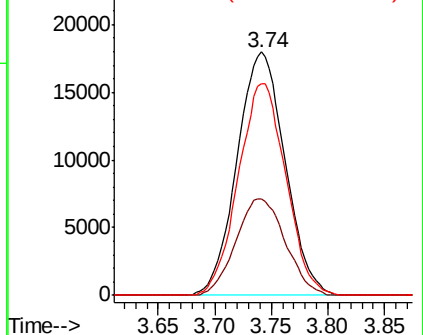
151 86.2 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.526 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

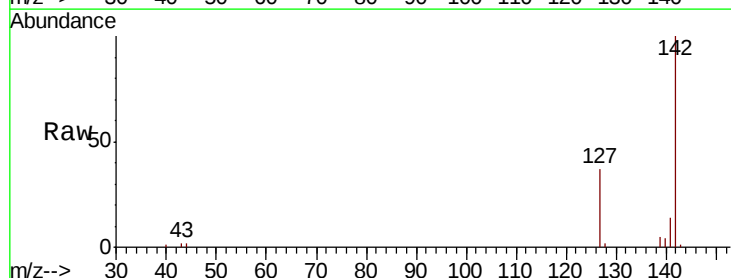
Tgt Ion:142 Resp: 70919

Ion Ratio Lower Upper

142 100

127 37.0 31.0 46.4

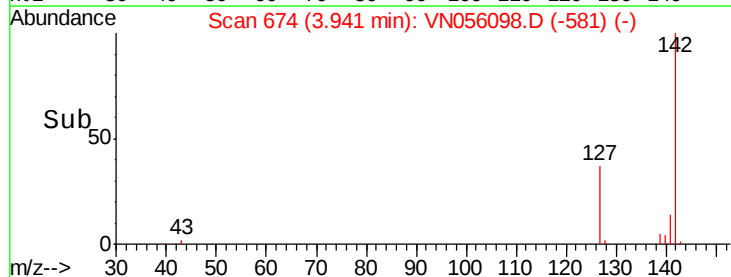
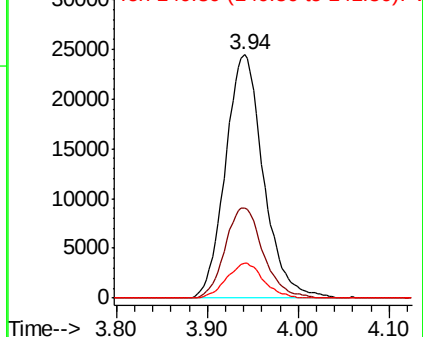
141 13.8 11.4 17.0

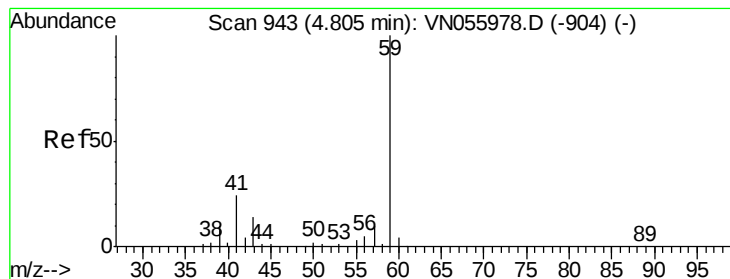


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



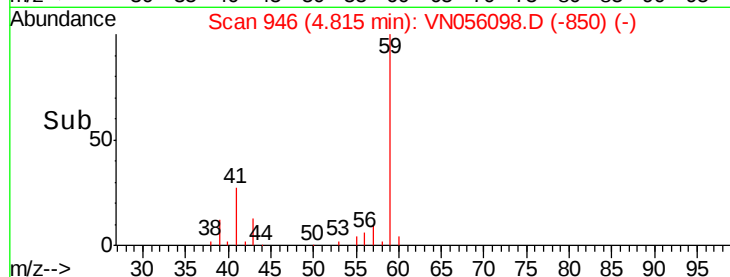
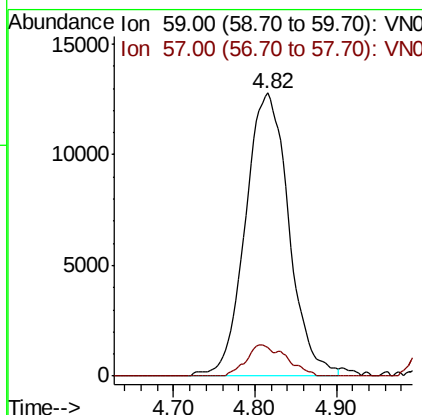
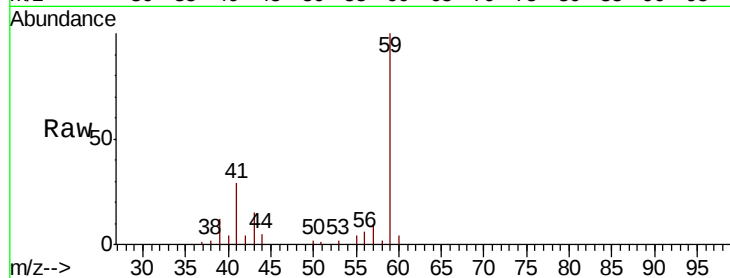


#11

Tert butyl alcohol
 Concen: 90.631 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

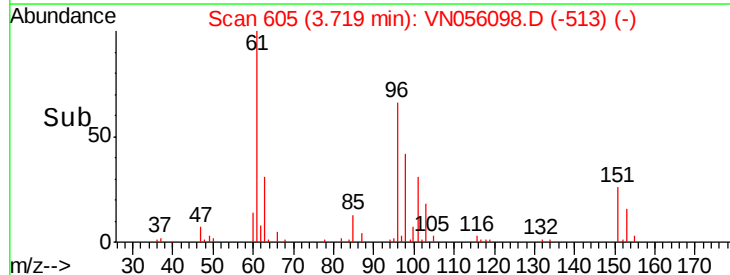
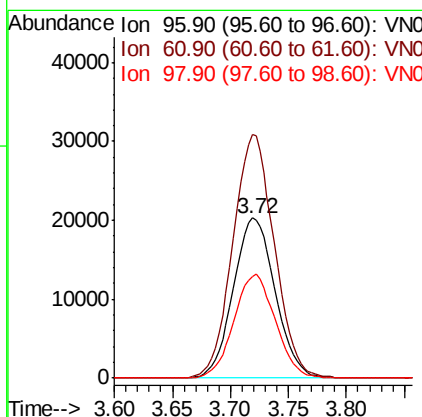
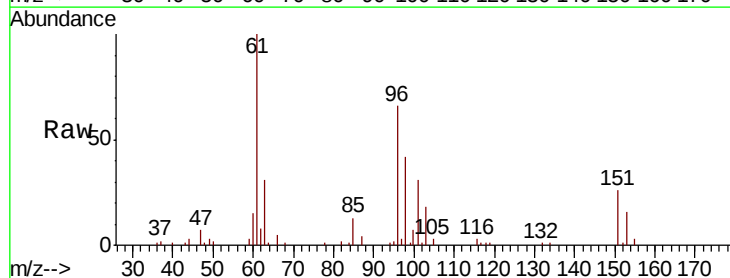
Tot Ion: 59 Resp: 47289
 Ion Ratio Lower Upper
 59 100
 57 6.6 7.8 11.6#

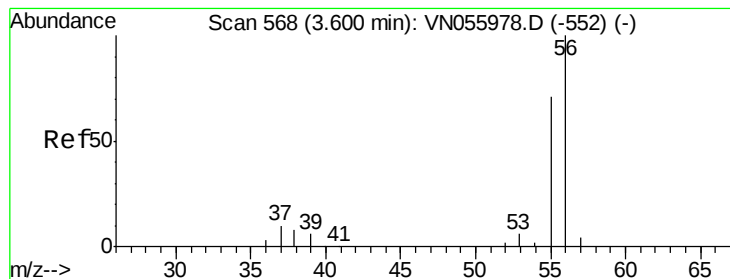


#12

1,1-Dichloroethene
 Concen: 20.092 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion: 96 Resp: 50935
 Ion Ratio Lower Upper
 96 100
 61 152.0 123.2 184.8
 98 63.8 50.4 75.6





#13

Acrolein

Concen: 78.148 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

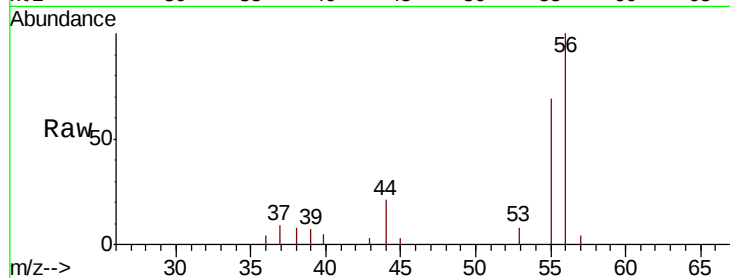
VN0608WBSD02

Tot Ion: 56 Resp: 11760

Ion Ratio Lower Upper

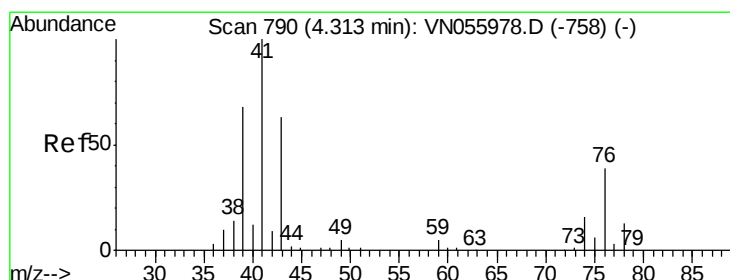
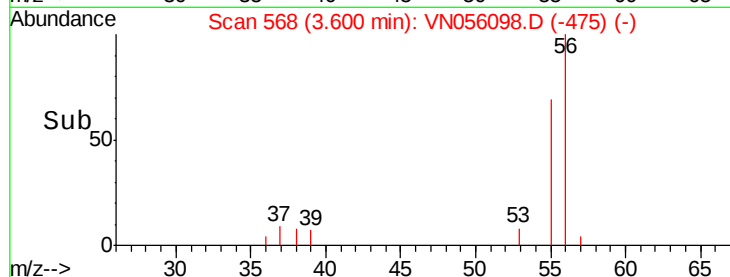
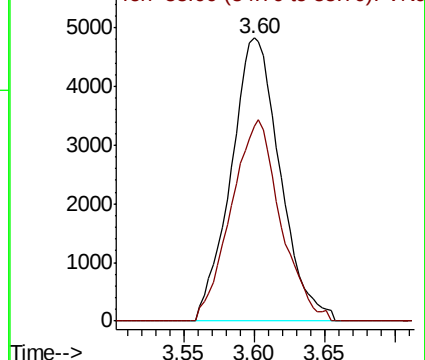
56 100

55 71.5 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.747 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

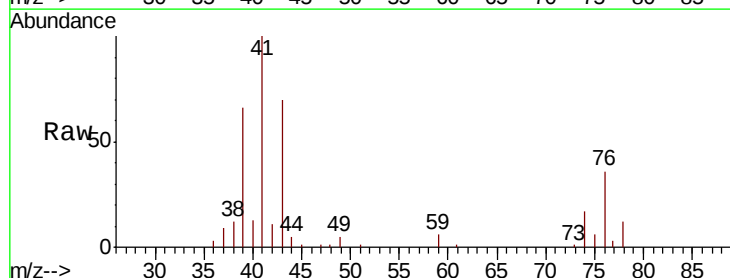
Tgt Ion: 41 Resp: 79046

Ion Ratio Lower Upper

41 100

39 61.3 50.0 75.0

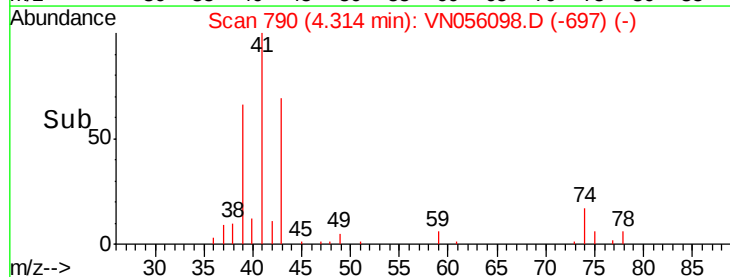
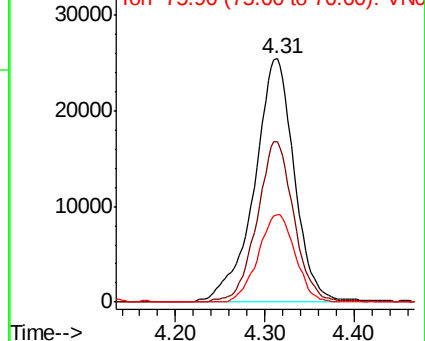
76 33.1 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 111.679 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampled :

VN0608WBSD02

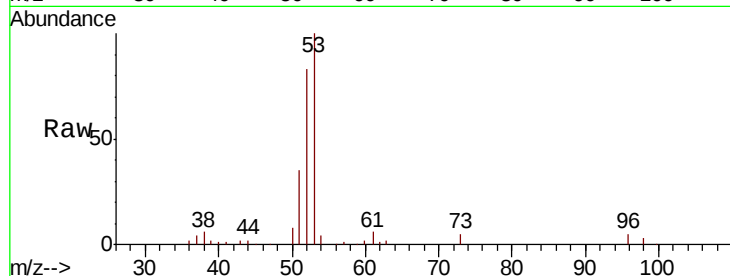
Tot Ion: 53 Resp: 141849

Ion Ratio Lower Upper

53 100

52 82.9 65.8 98.8

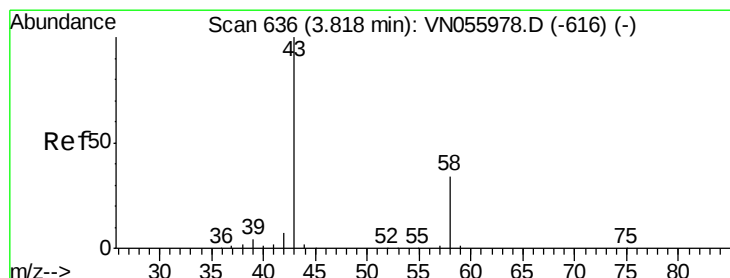
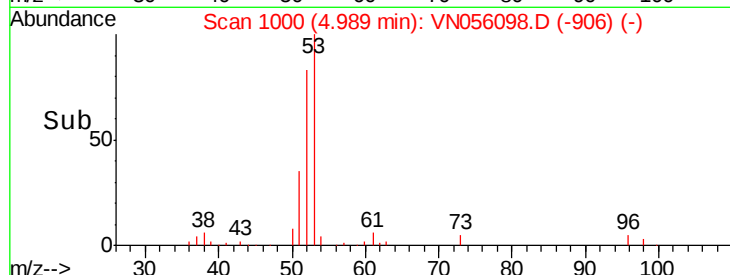
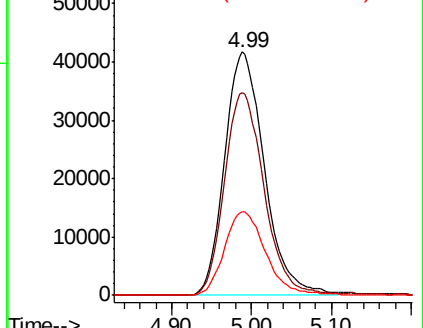
51 35.6 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 90.494 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056098.D

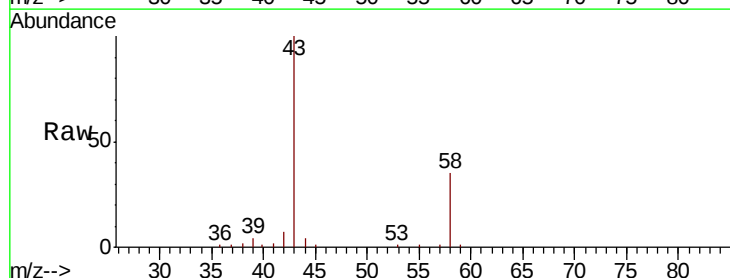
Acq: 7 Jun 2019 14:31

Tgt Ion: 43 Resp: 129769

Ion Ratio Lower Upper

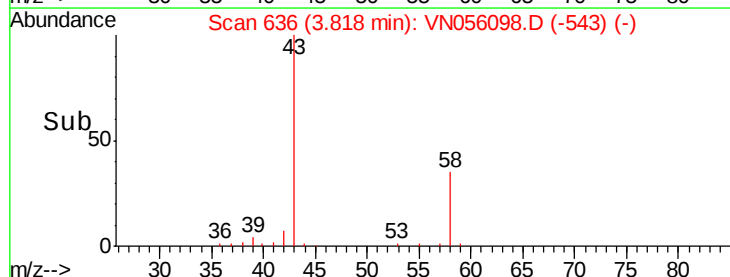
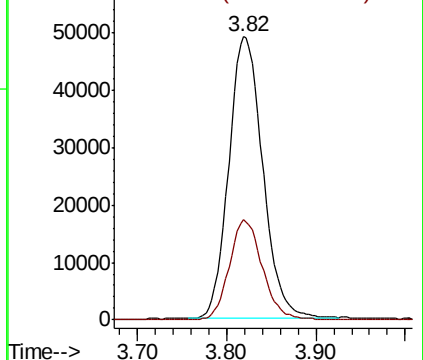
43 100

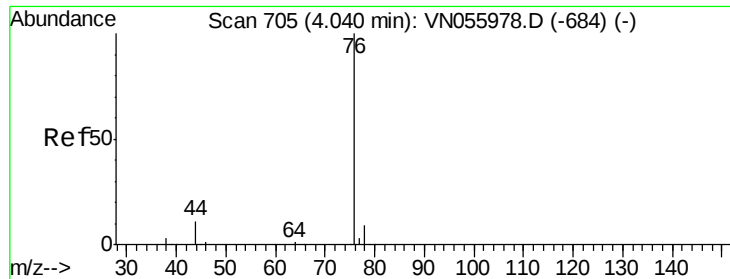
58 35.4 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

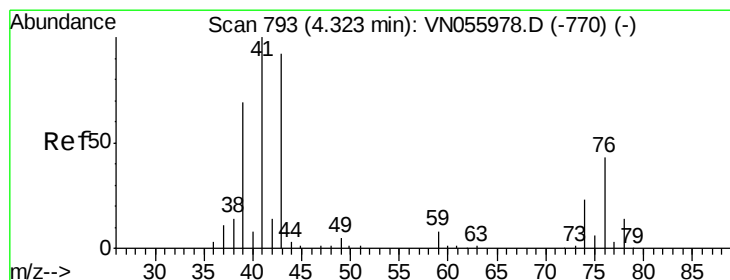
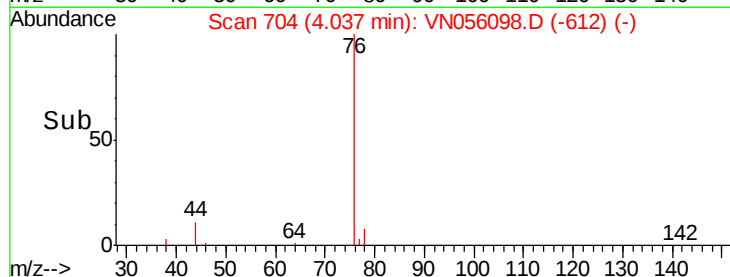
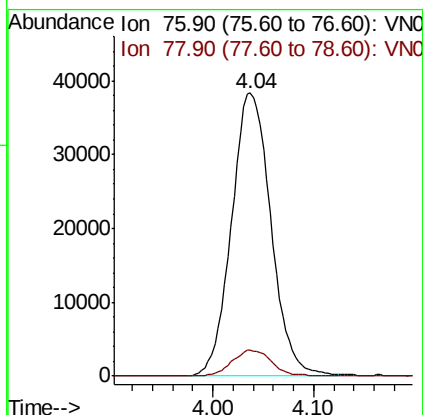
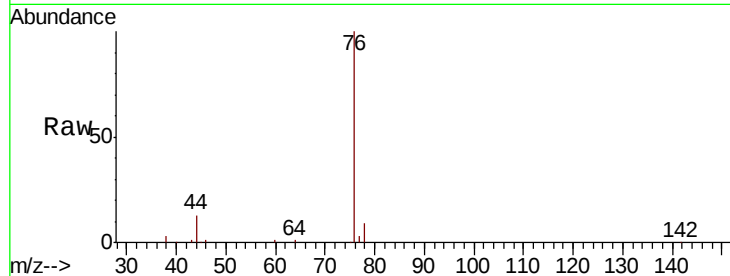




#17
Carbon Disulfide
Concen: 17.137 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

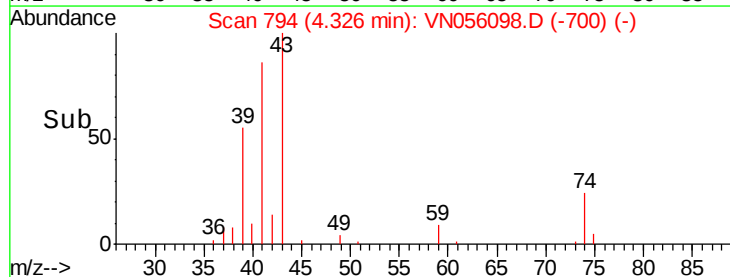
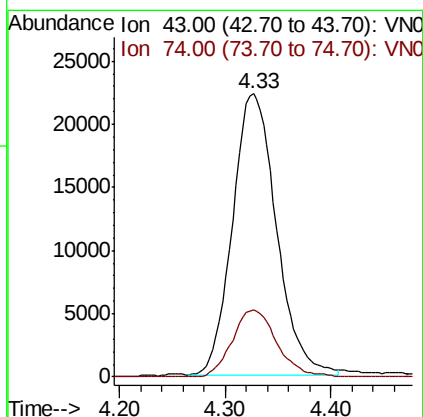
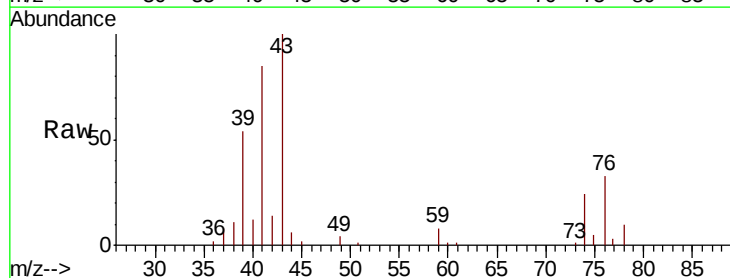
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

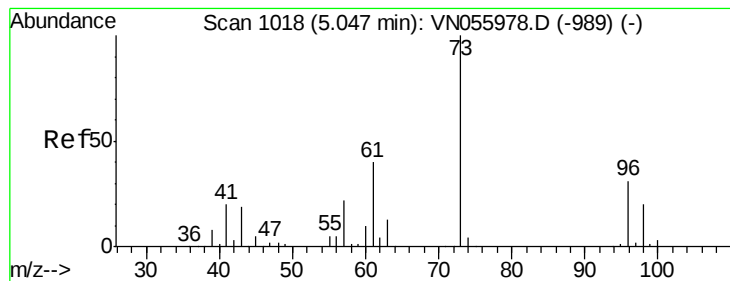
Tot Ion: 76 Resp: 104016
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 22.481 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 43 Resp: 64222
Ion Ratio Lower Upper
43 100
74 24.2 19.3 28.9



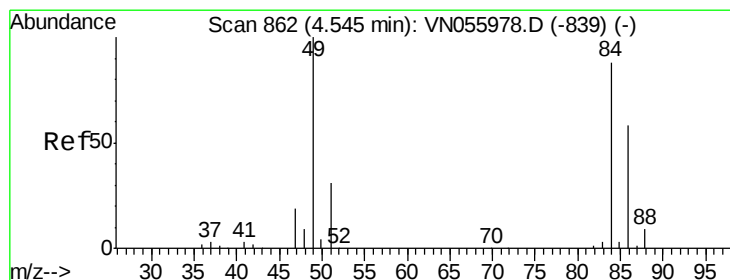
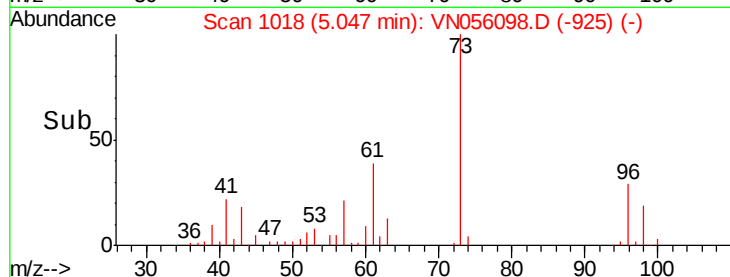
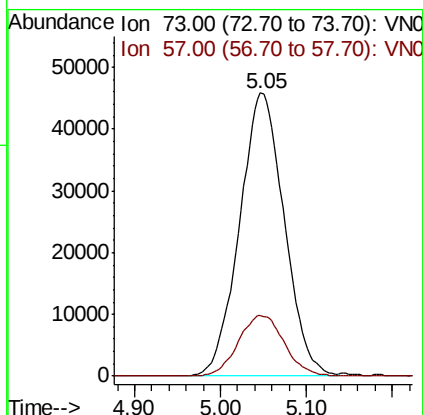
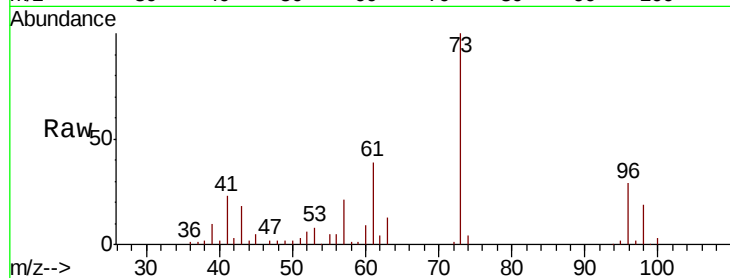


#19

Methyl tert-butyl Ether
 Concen: 20.498 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBSD02

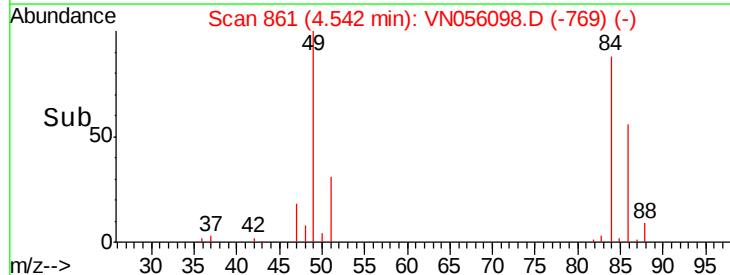
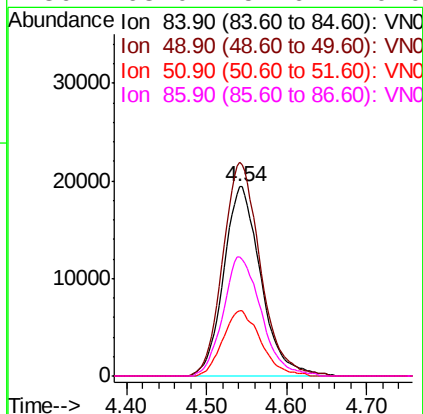
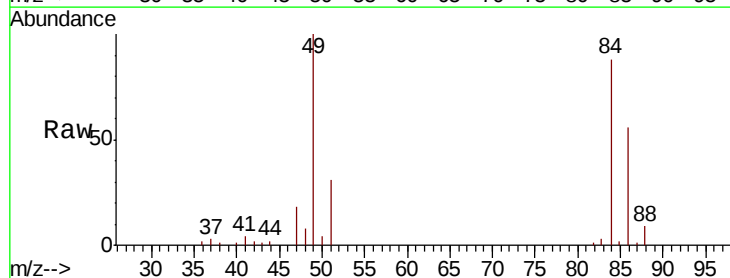
Tot Ion: 73 Resp: 165631
 Ion Ratio Lower Upper
 73 100
 57 21.4 17.8 26.8

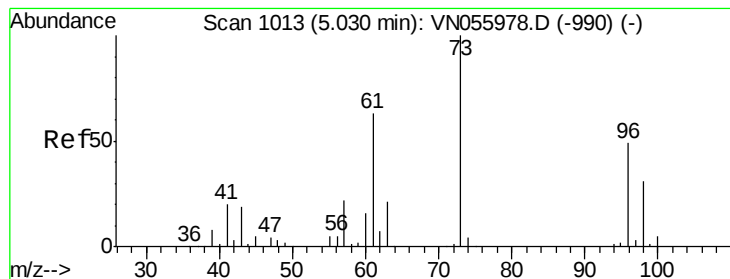


#20

Methylene Chloride
 Concen: 20.844 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion: 84 Resp: 61583
 Ion Ratio Lower Upper
 84 100
 49 113.0 93.5 140.3
 51 34.9 28.6 43.0
 86 63.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.140 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

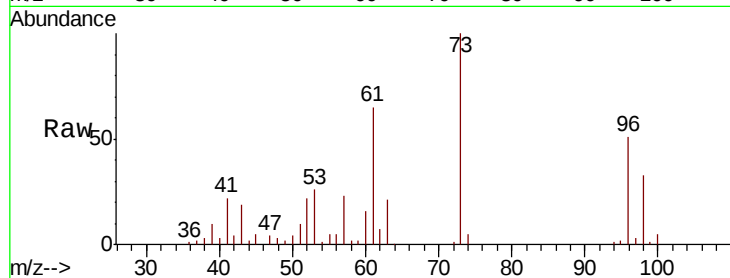
Tot Ion: 96 Resp: 54703

Ion Ratio Lower Upper

96 100

61 128.0 107.8 161.8

98 65.4 49.8 74.8

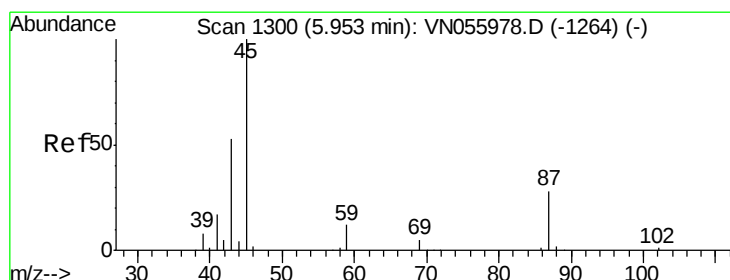
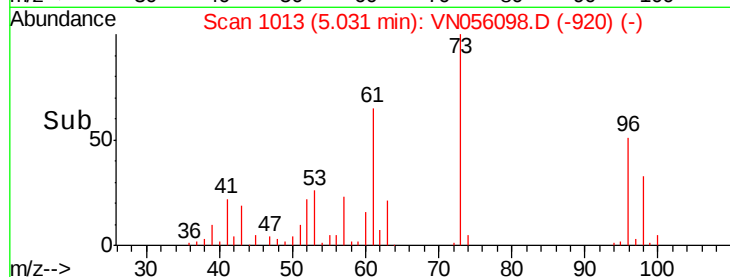
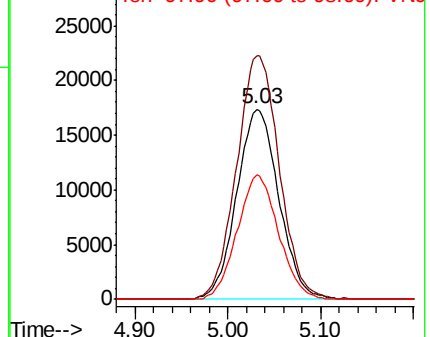


Abundance

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: 20.541 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Tgt Ion: 45 Resp: 169969

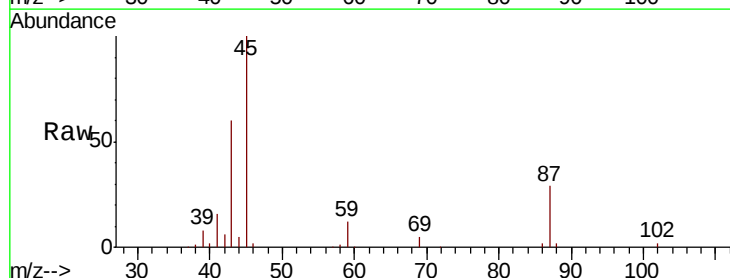
Ion Ratio Lower Upper

45 100

43 56.6 45.0 67.6

87 28.5 22.2 33.4

59 11.9 9.1 13.7



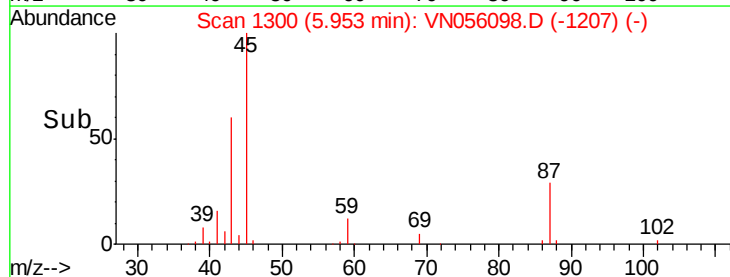
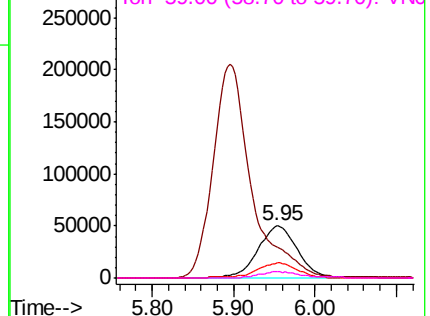
Abundance

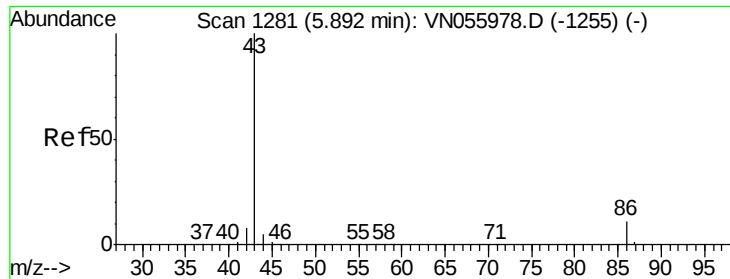
Ion 45.00 (44.70 to 45.70): VN0

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

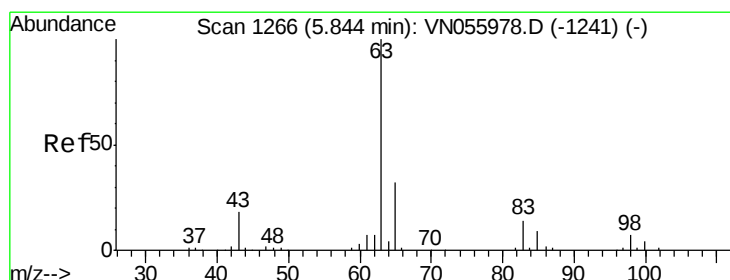
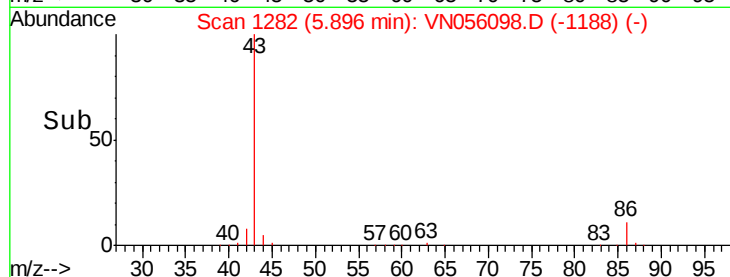
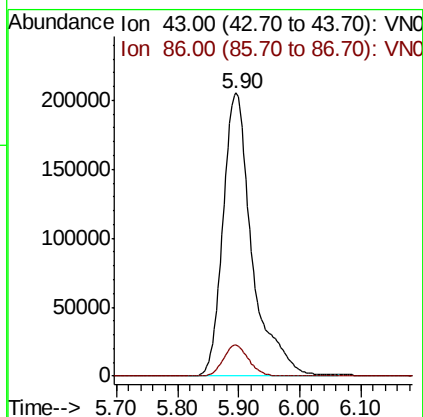
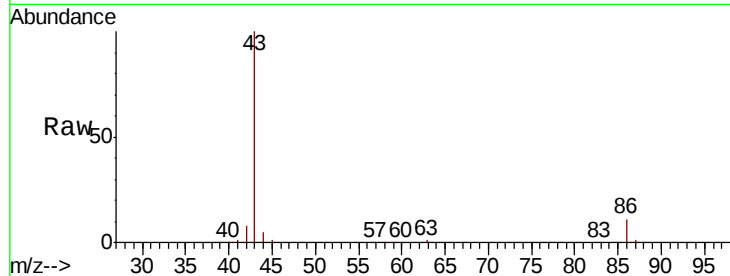




#23
 Vinyl Acetate
 Concen: 104.468 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

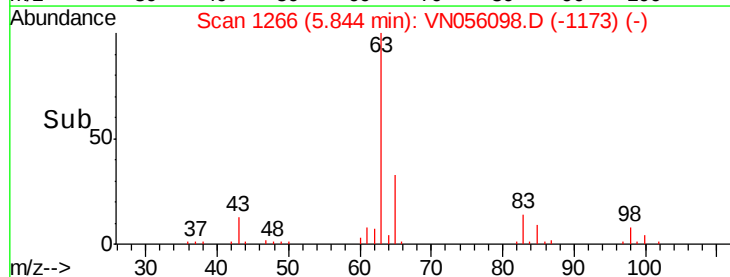
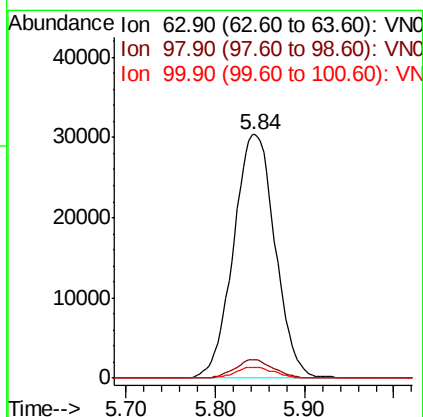
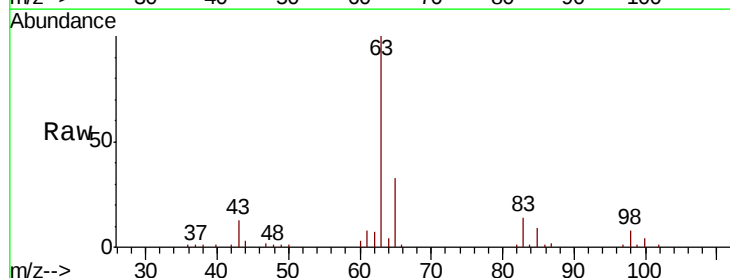
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

Tot Ion: 43 Resp: 680744
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.587 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion: 63 Resp: 98266
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.4 10.1
 100 4.2 2.2 6.6

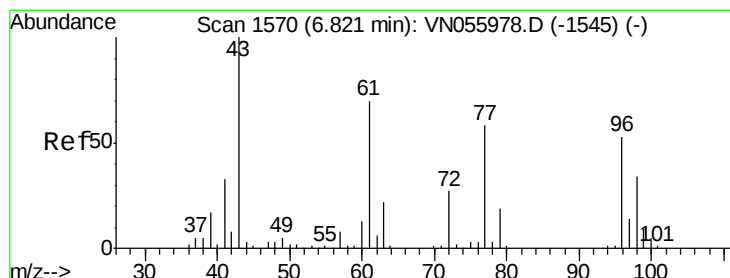
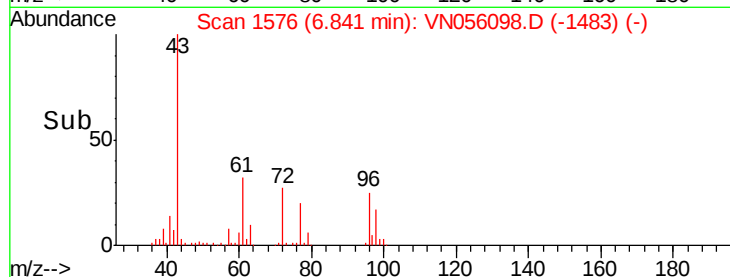
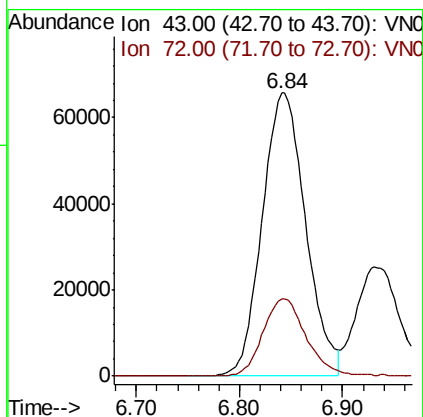
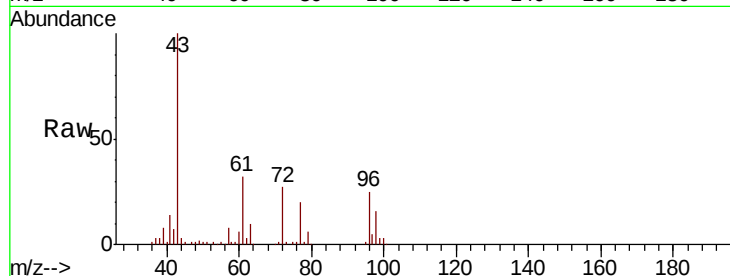




#25
2-Butanone
Concen: 106.255 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

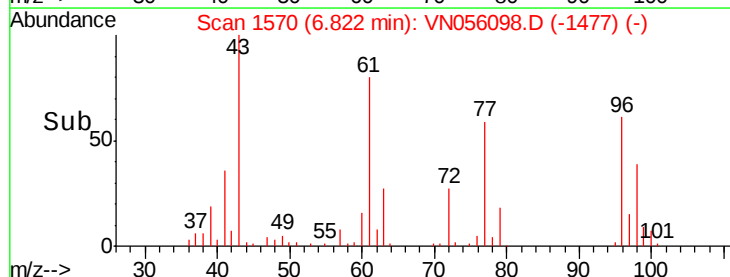
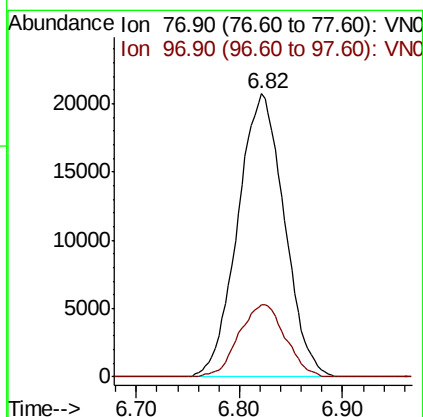
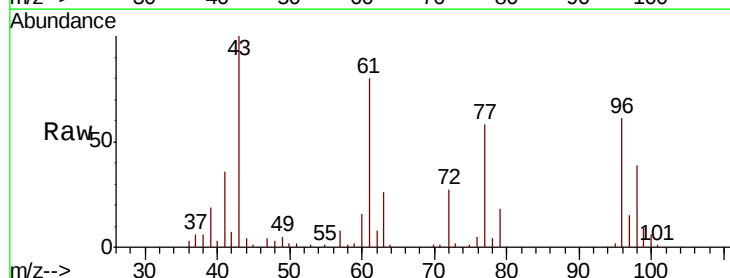
Instrument :
MSVOA_N
ClientSampled :
VN0608WBSD02

Tot Ion: 43 Resp: 192516
Ion Ratio Lower Upper
43 100
72 27.3 21.9 32.9



#26
2,2-Dichloropropane
Concen: 17.474 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 77 Resp: 65084
Ion Ratio Lower Upper
77 100
97 25.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.207 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

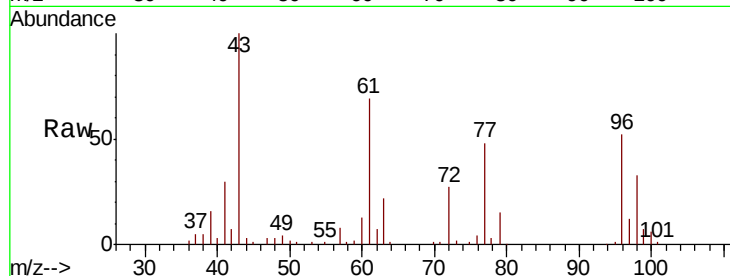
Tot Ion: 96 Resp: 64518

Ion Ratio Lower Upper

96 100

61 132.2 0.0 275.8

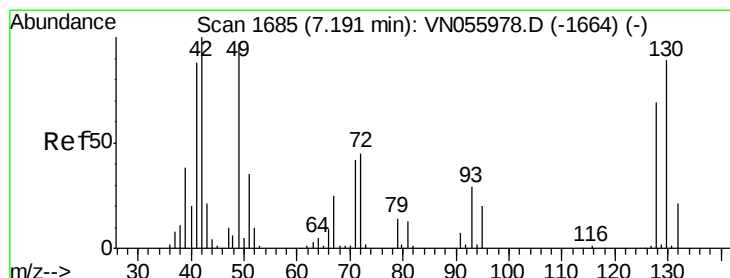
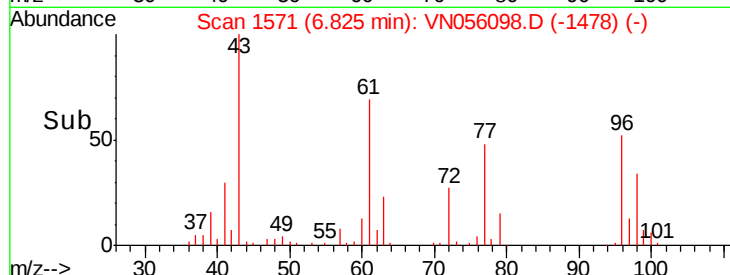
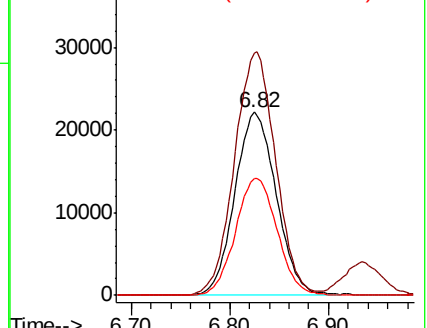
98 64.4 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.770 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

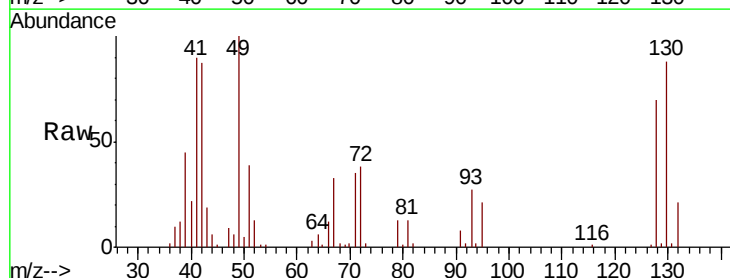
Tgt Ion: 49 Resp: 46883

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

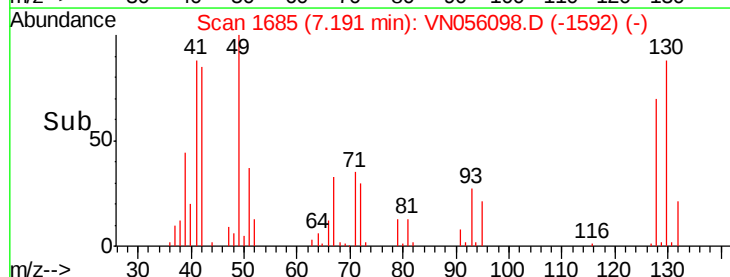
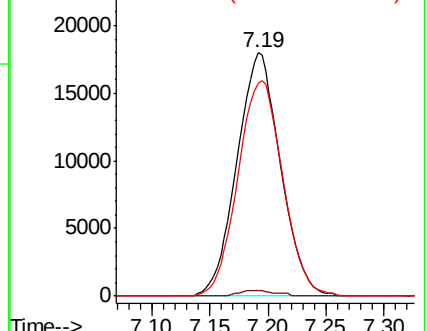
130 91.3 71.2 106.8

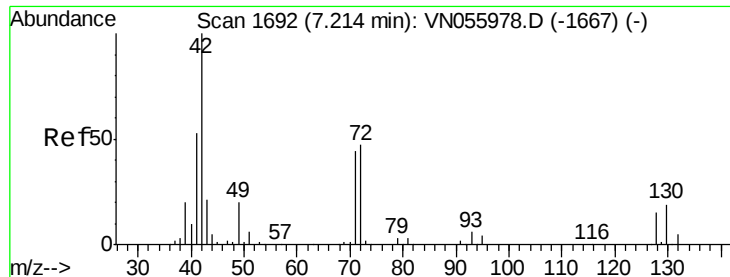


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 111.460 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

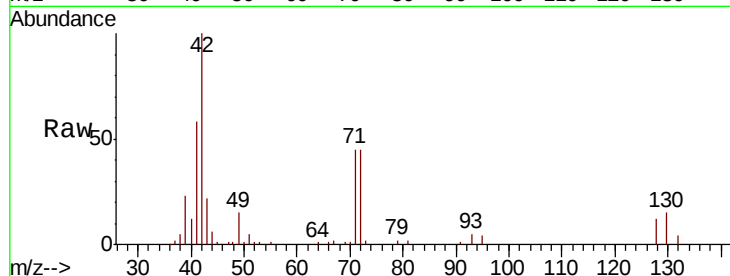
Tot Ion: 42 Resp: 124831

Ion Ratio Lower Upper

42 100

72 44.4 35.9 53.9

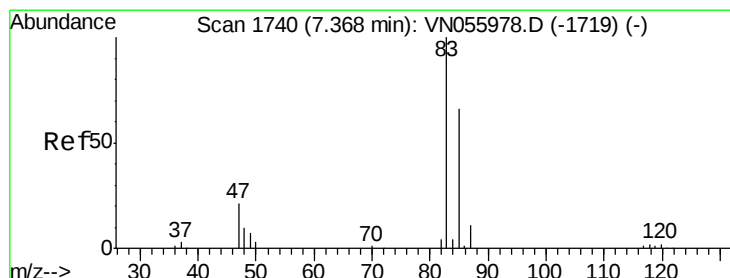
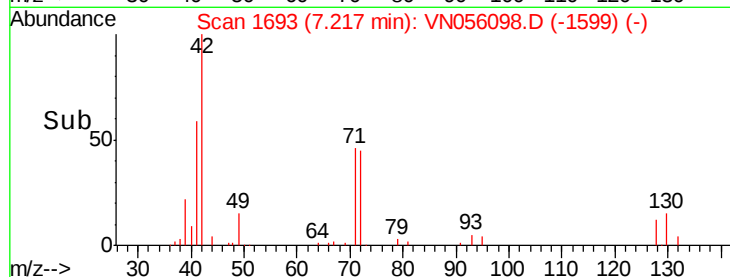
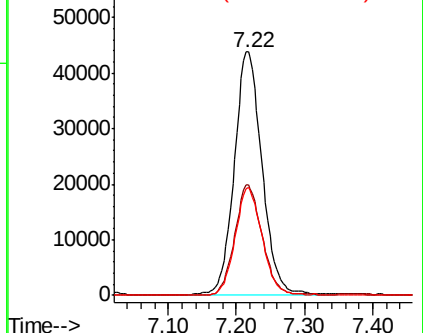
71 42.6 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.443 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN056098.D

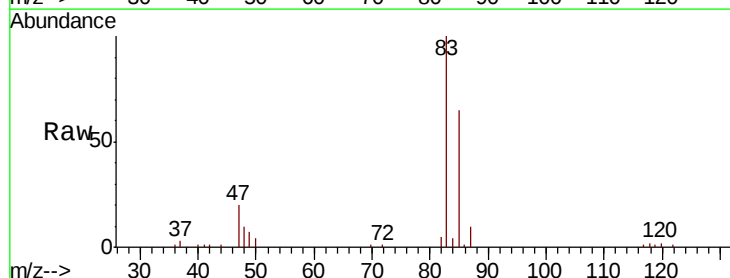
Acq: 7 Jun 2019 14:31

Tgt Ion: 83 Resp: 98158

Ion Ratio Lower Upper

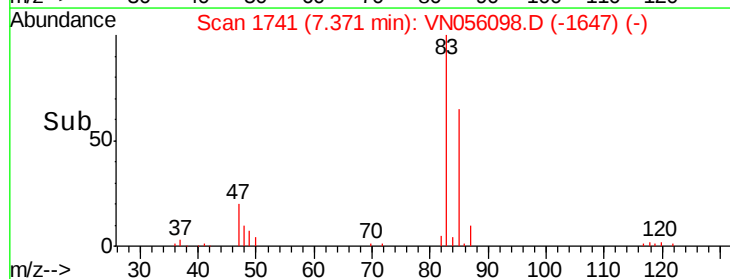
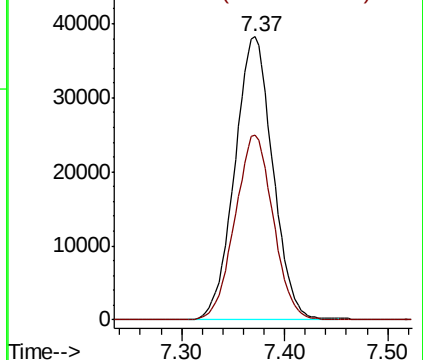
83 100

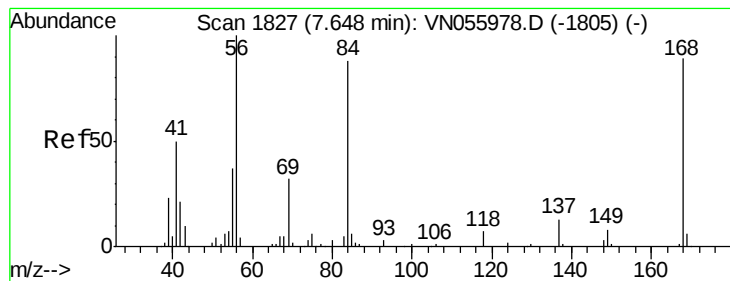
85 65.3 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.887 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

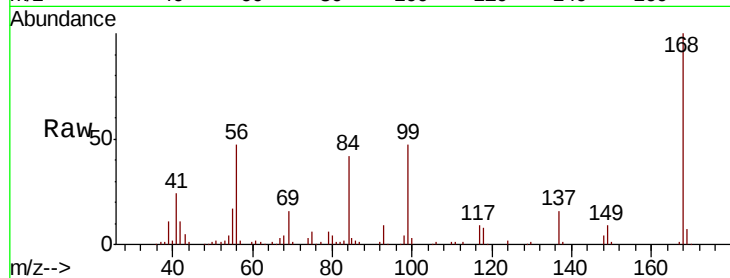
Tot Ion: 56 Resp: 94619

Ion Ratio Lower Upper

56 100

69 34.8 25.6 38.4

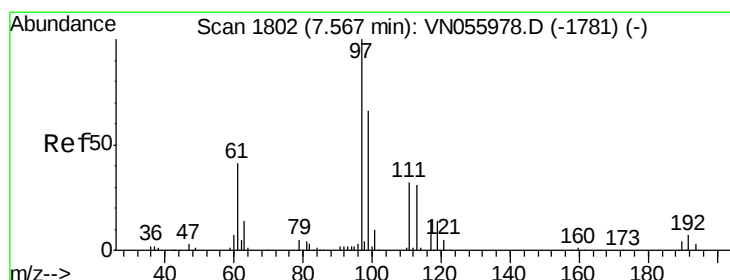
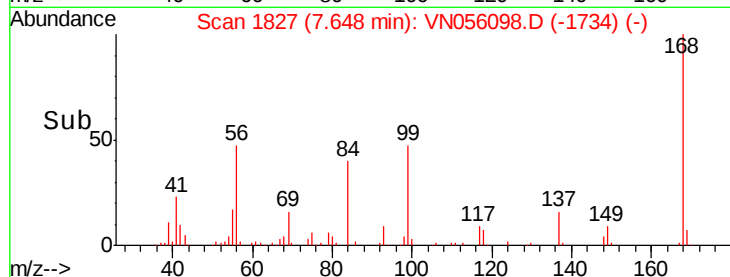
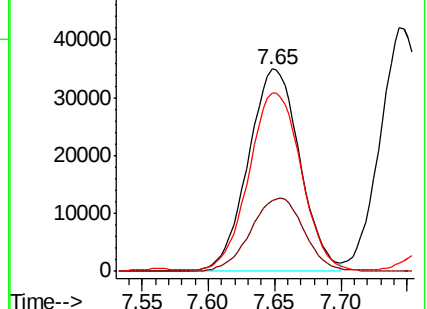
84 87.6 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.762 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

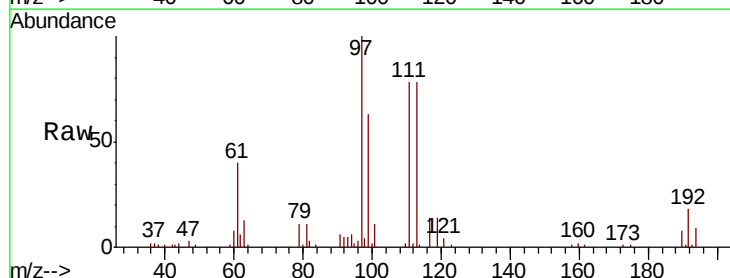
Tgt Ion: 97 Resp: 79237

Ion Ratio Lower Upper

97 100

99 64.8 52.0 78.0

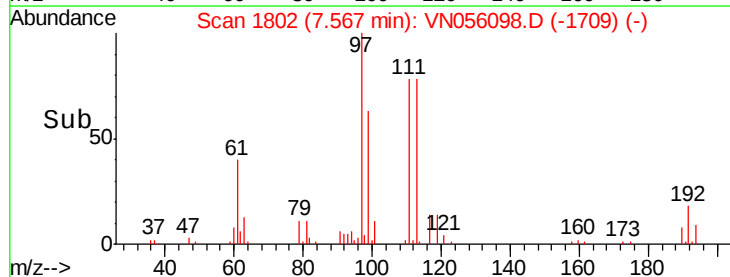
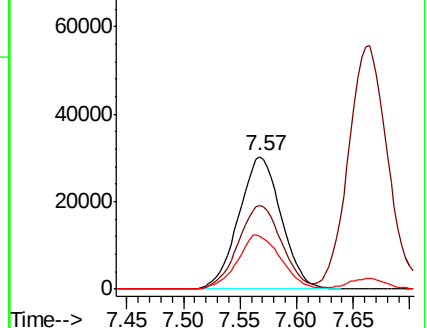
61 41.6 32.9 49.3

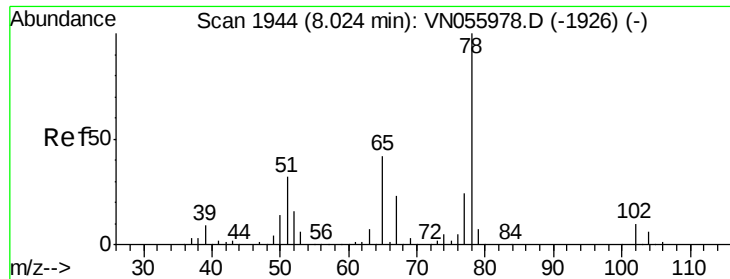


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

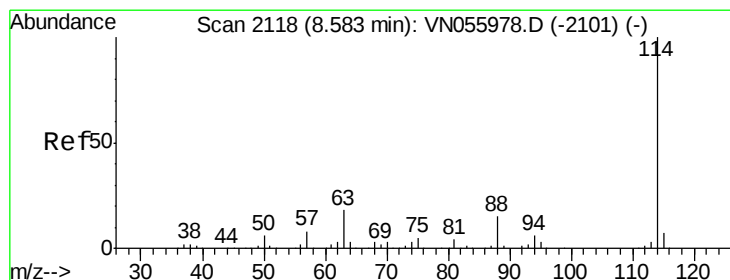
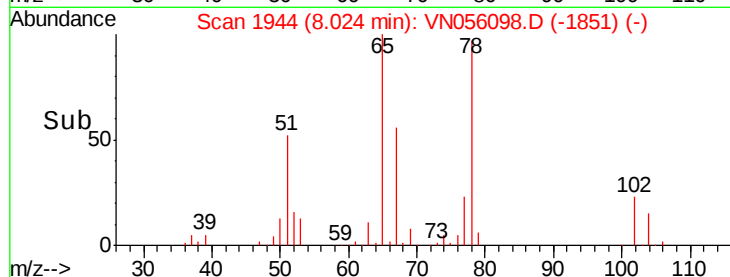
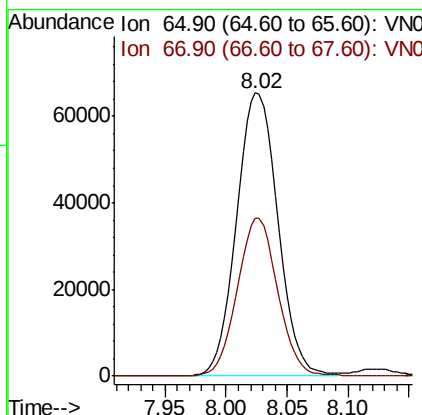
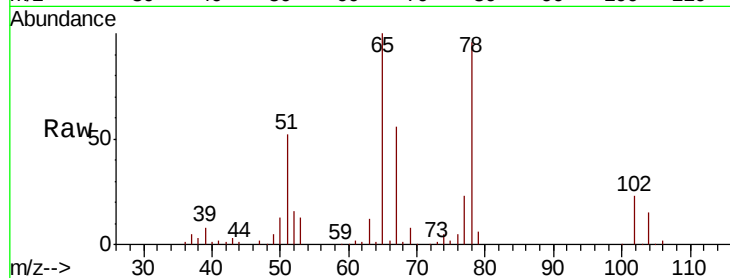




#33
 1,2-Dichloroethane-d4
 Concen: 51.216 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

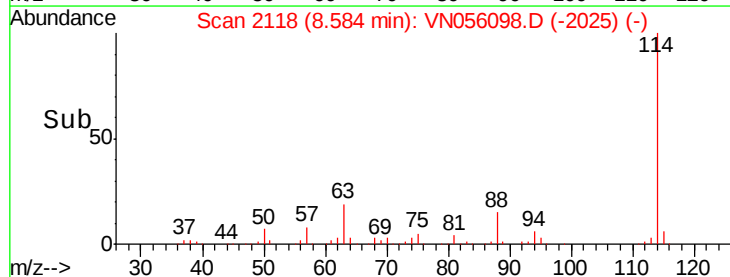
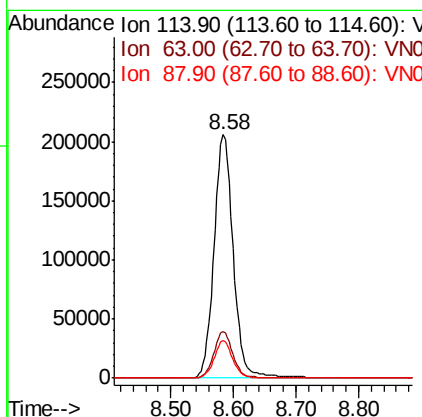
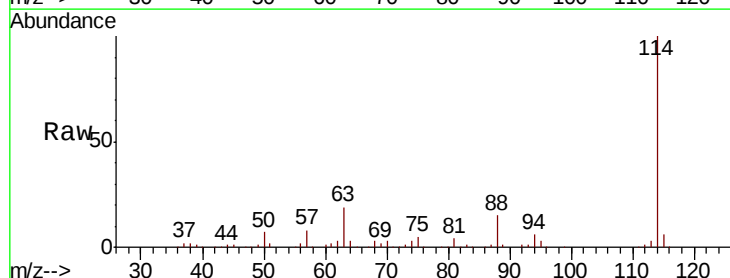
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

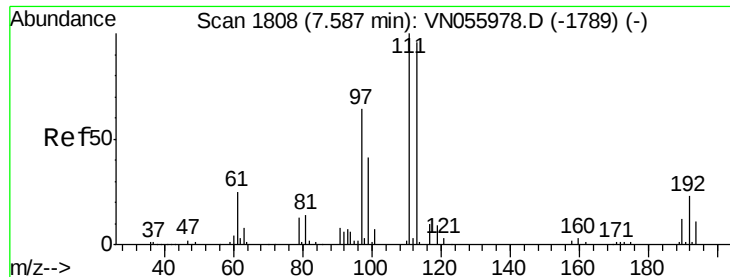
Tot Ion: 65 Resp: 153564
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion: 114 Resp: 439648
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 15.2 0.0 31.0

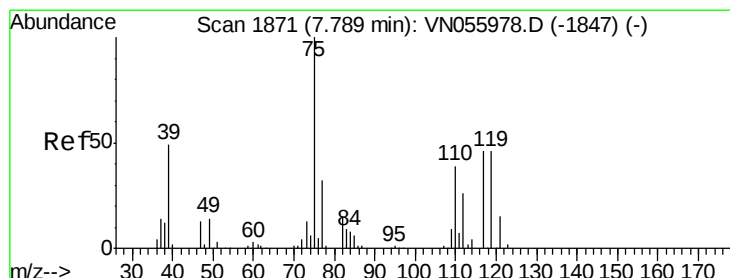
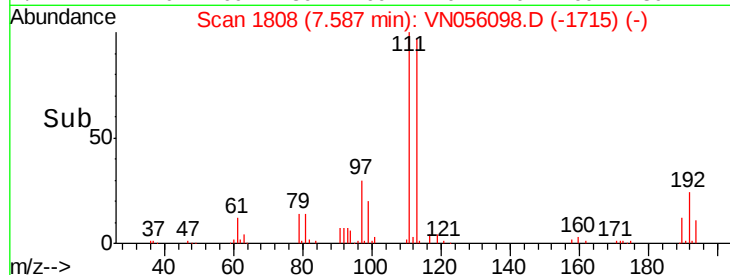
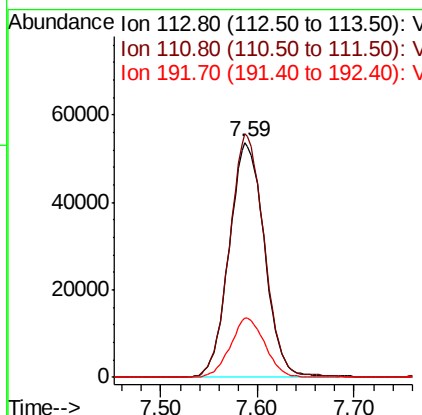
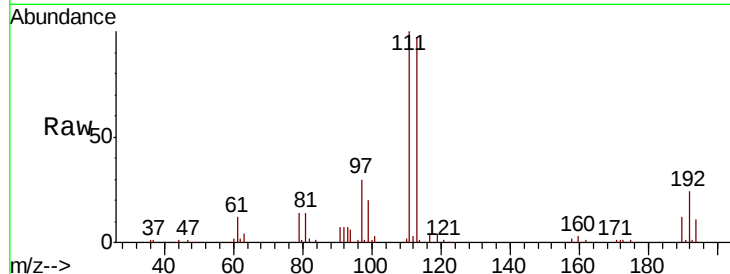




#35
 Dibromofluoromethane
 Concen: 50.417 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

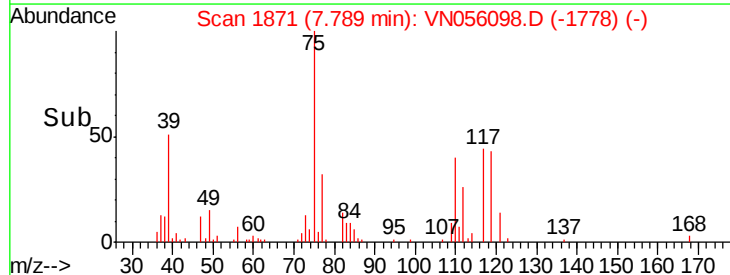
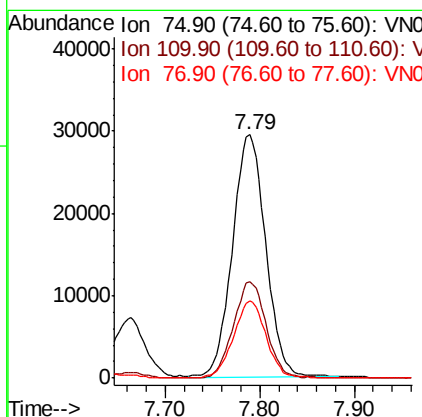
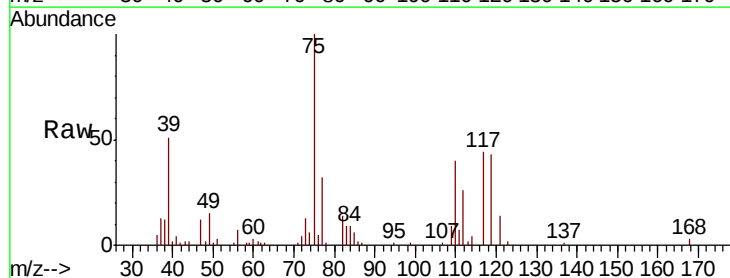
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

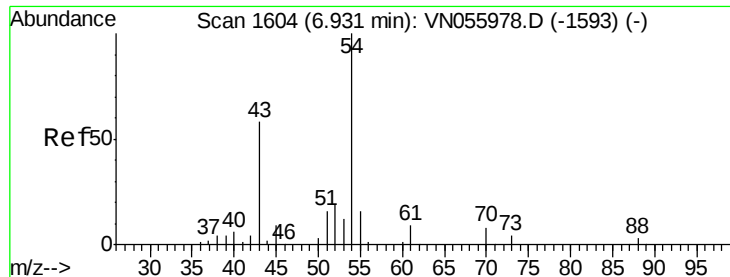
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.9	122.9
192	24.7	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 19.079 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.0	57.0
77	31.1	25.1	37.7

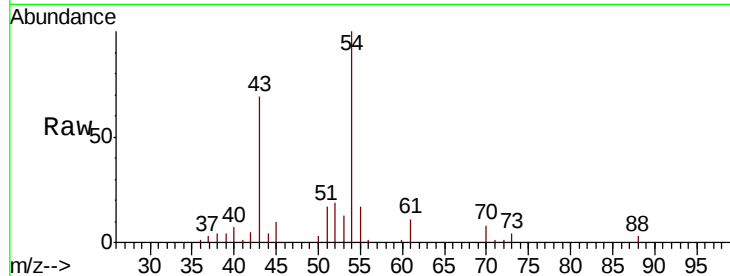




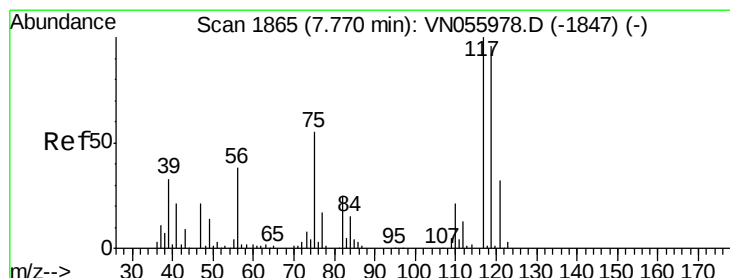
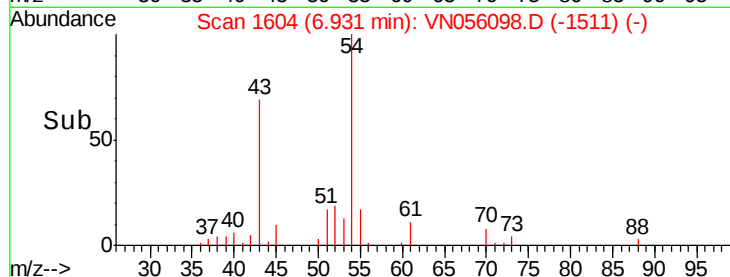
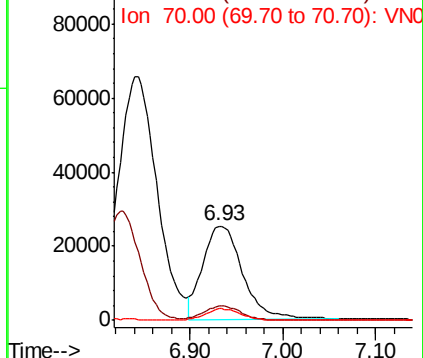
#37
Ethyl Acetate
Concen: 22.262 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion: 43 Resp: 74881
Ion Ratio Lower Upper
43 100
61 14.8 12.2 18.2
70 11.1 8.9 13.3

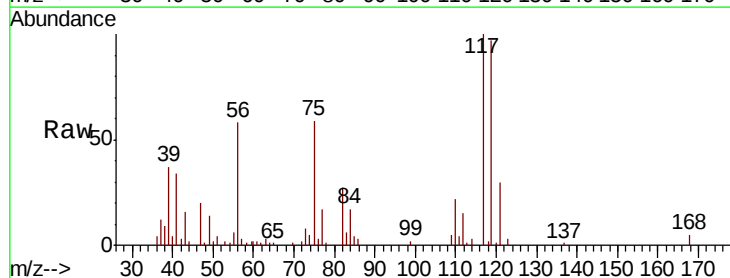


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

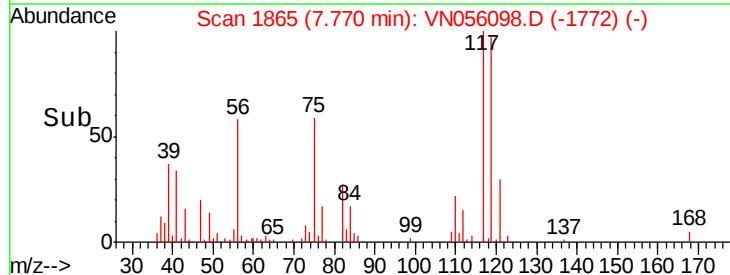
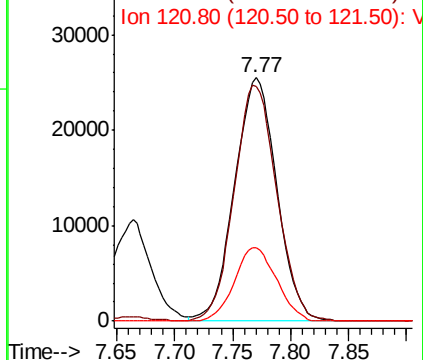


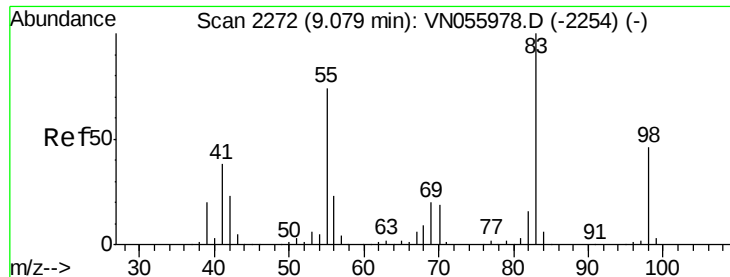
#38
Carbon Tetrachloride
Concen: 18.581 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 117 Resp: 64761
Ion Ratio Lower Upper
117 100
119 96.6 79.0 118.6
121 30.1 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

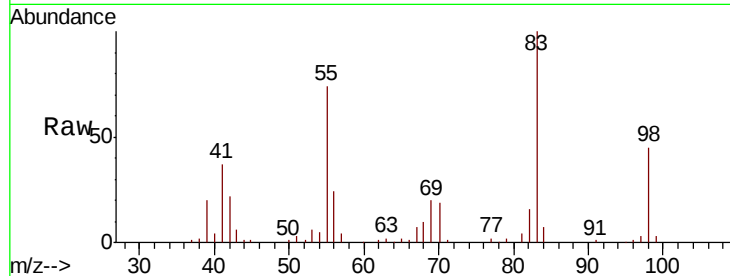




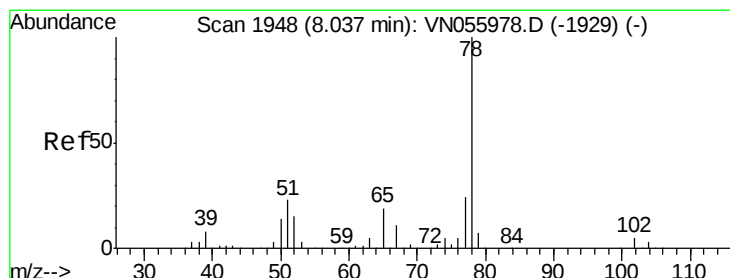
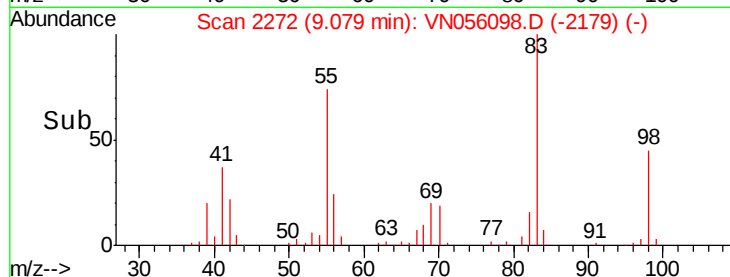
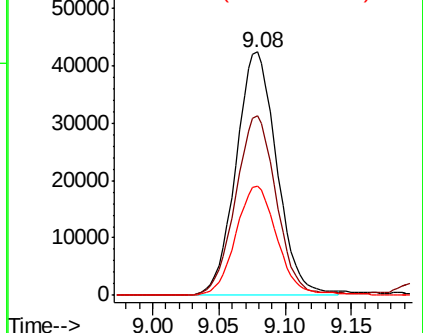
#39
Methvlcvclohexane
Concen: 19.289 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion: 83 Resp: 90836
Ion Ratio Lower Upper
83 100
55 73.8 59.3 88.9
98 45.1 36.6 54.8

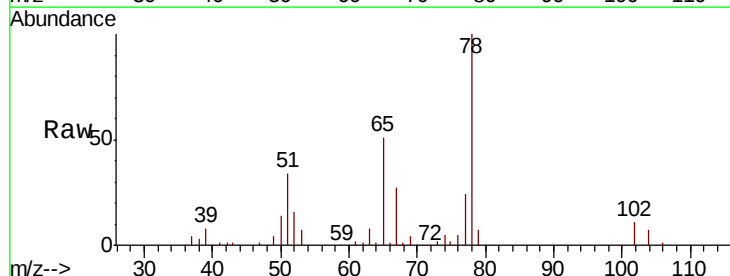


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

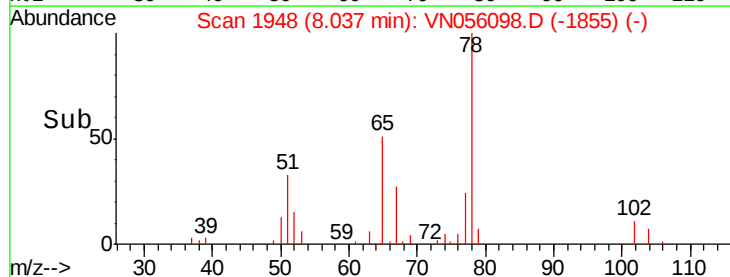
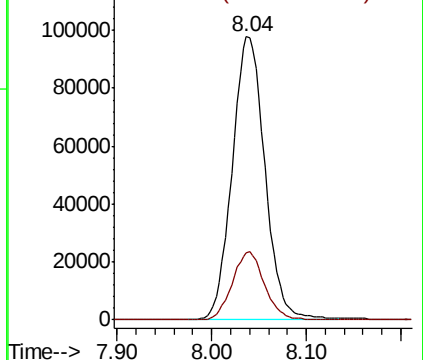


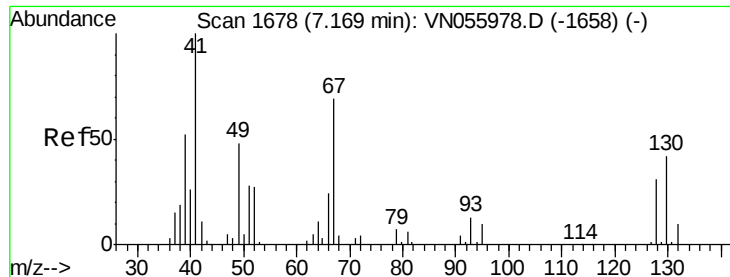
#40
Benzene
Concen: 20.497 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 78 Resp: 235342
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2



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

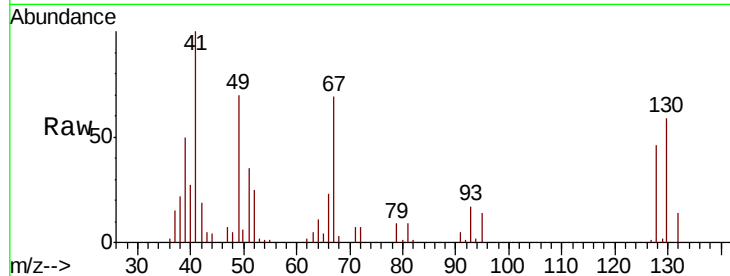




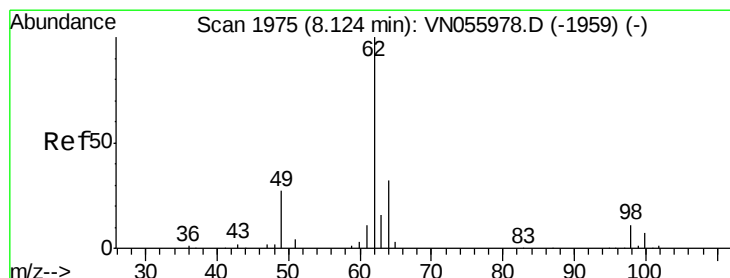
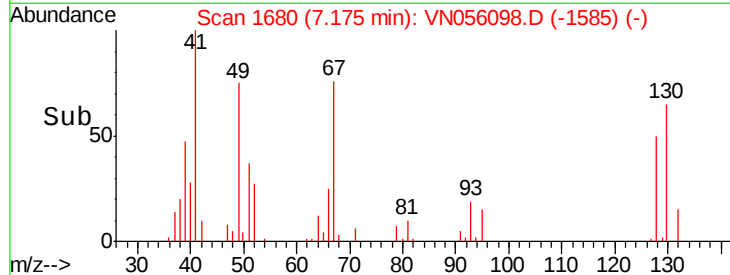
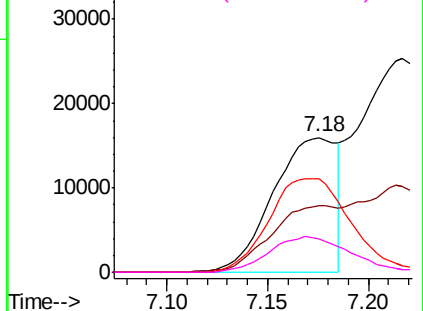
#41
Methacrylonitrile
Concen: 22.658 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion: 41 Resp: 35065
Ion Ratio Lower Upper
41 100
39 51.2 45.6 68.4
67 90.0 67.7 101.5
52 34.1 26.6 40.0

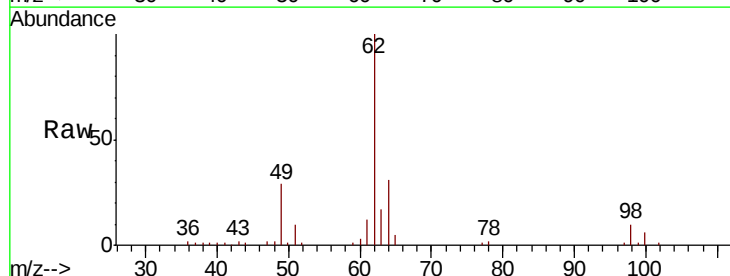


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

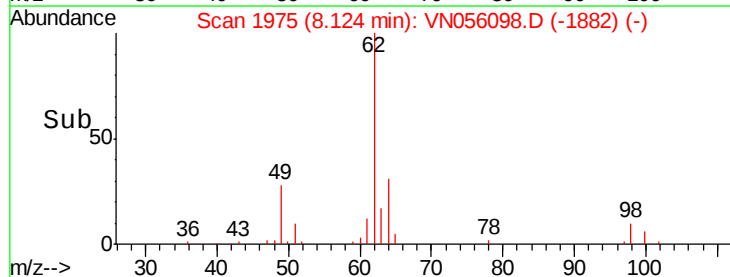
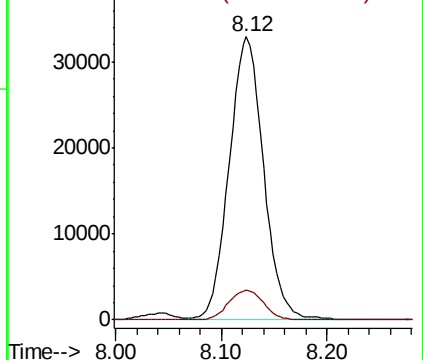


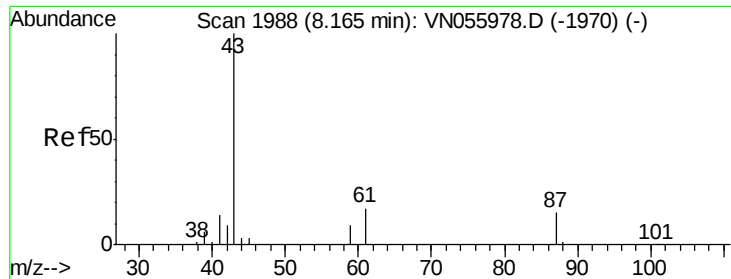
#42
1,2-Dichloroethane
Concen: 20.199 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 62 Resp: 74602
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.595 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

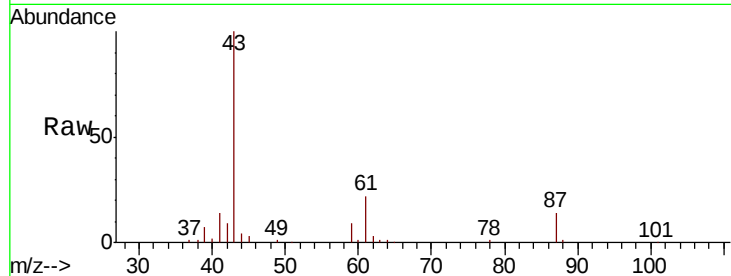
Tot Ion: 43 Resp: 112254

Ion Ratio Lower Upper

43 100

61 21.8 22.2 33.4#

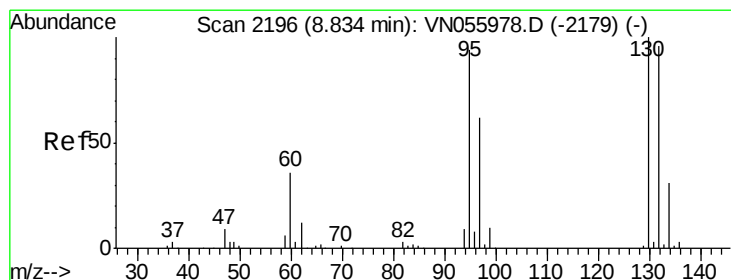
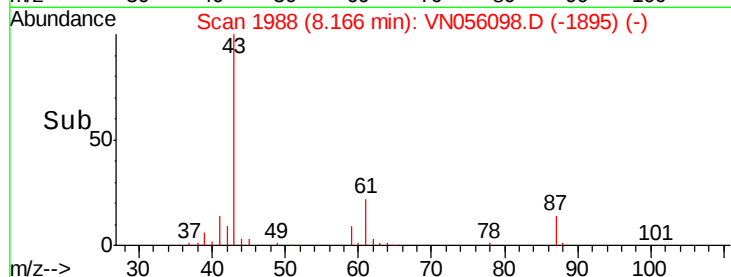
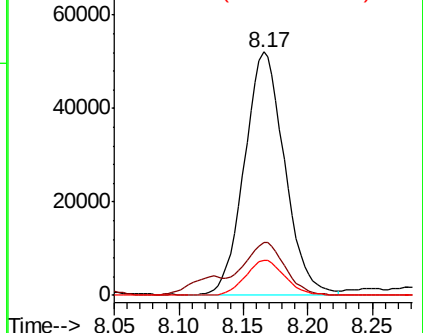
87 14.4 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 20.042 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056098.D

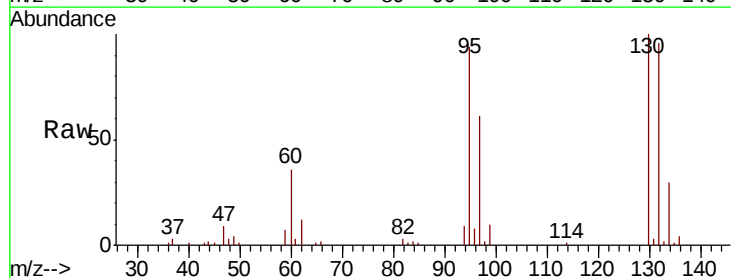
Acq: 7 Jun 2019 14:31

Tgt Ion:130 Resp: 66125

Ion Ratio Lower Upper

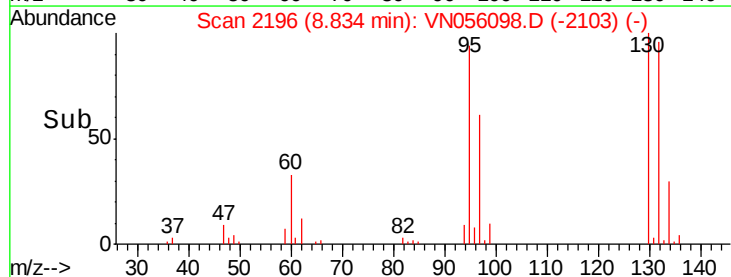
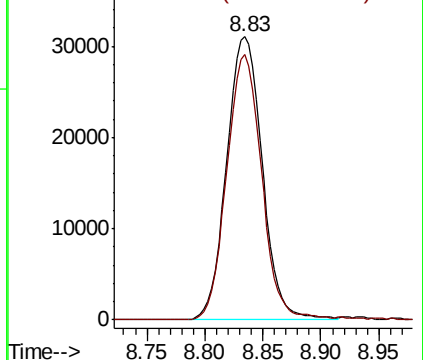
130 100

95 93.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

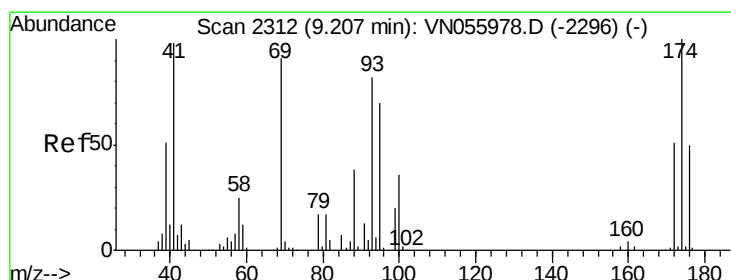
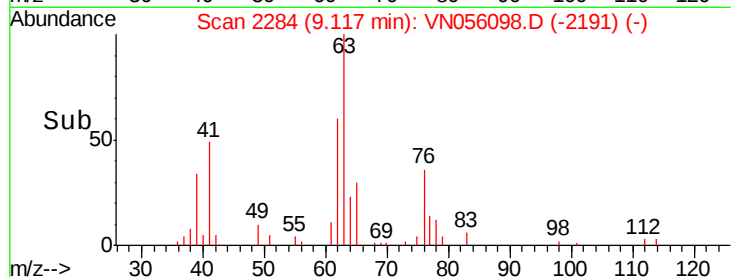
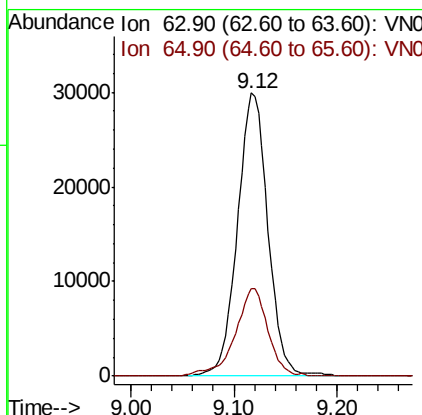
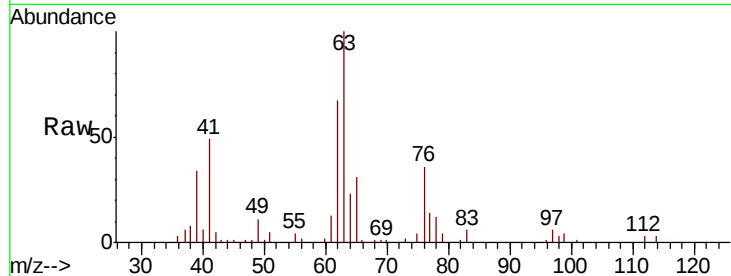




#45
 1,2-Dichloropropane
 Concen: 20.886 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

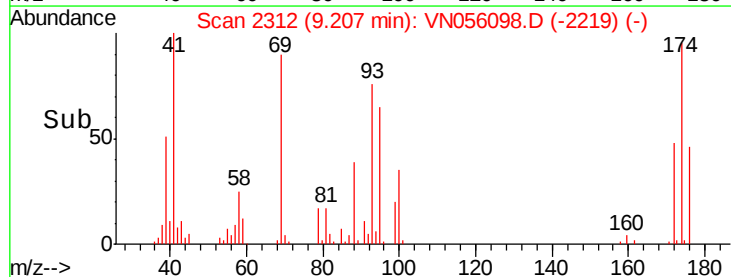
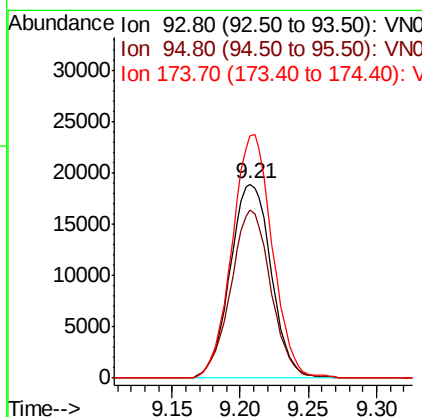
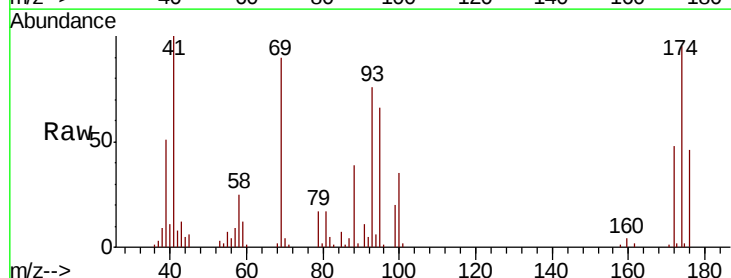
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

Tot Ion: 63 Resp: 61425
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 36.8



#46
 Dibromomethane
 Concen: 20.553 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion: 93 Resp: 39528
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.7 100.1
 174 123.0 96.4 144.6





#47

Bromodichloromethane

Concen: 19.190 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

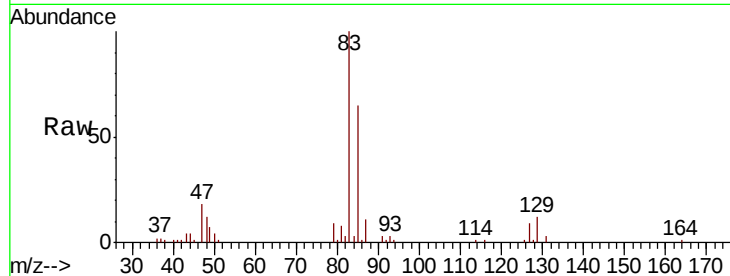
Tot Ion: 83 Resp: 66887

Ion Ratio Lower Upper

83 100

85 64.8 52.2 78.2

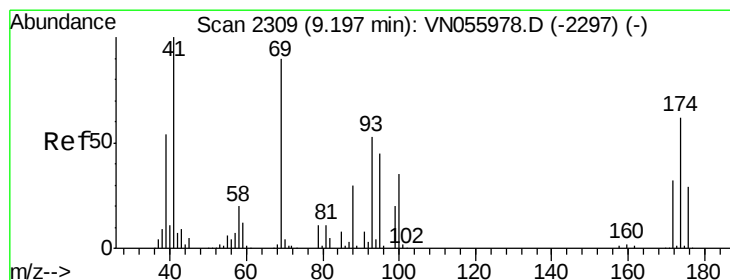
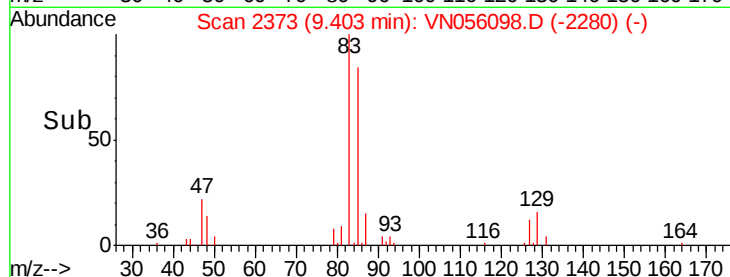
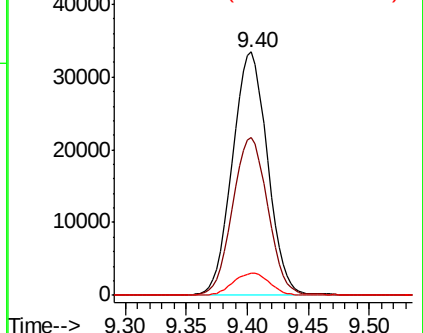
127 9.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2356) (-)



#48

Methyl methacrylate

Concen: 21.743 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

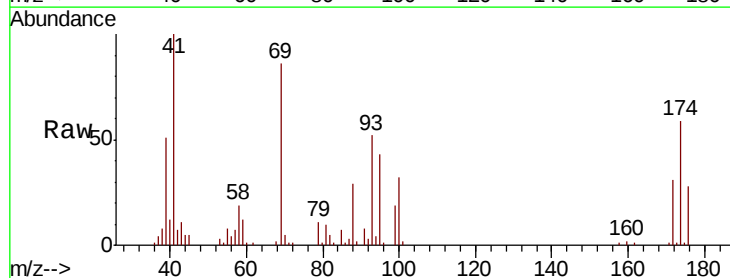
Tgt Ion: 41 Resp: 57980

Ion Ratio Lower Upper

41 100

69 88.2 71.0 106.6

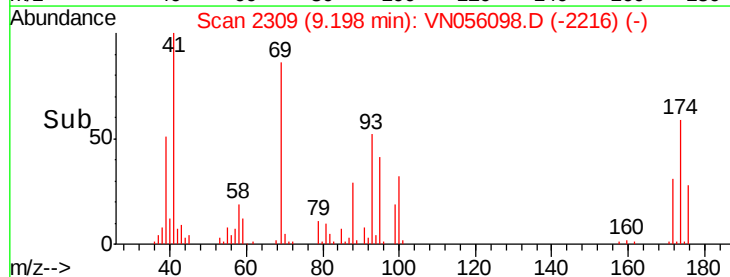
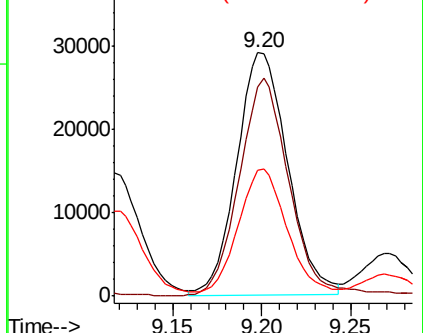
39 51.2 44.2 66.2

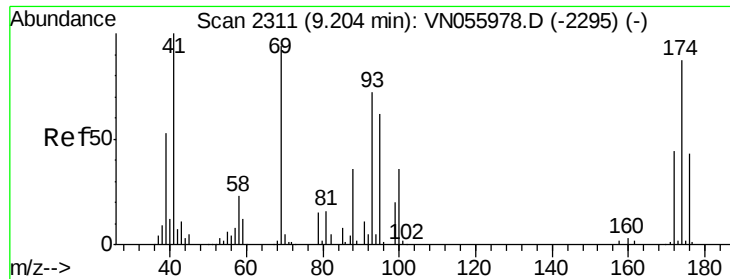


Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055978.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055978.D (-2297) (-)

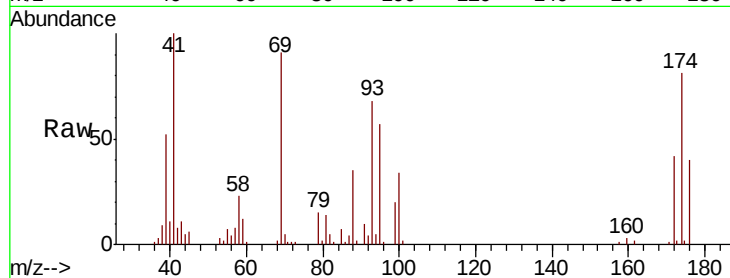




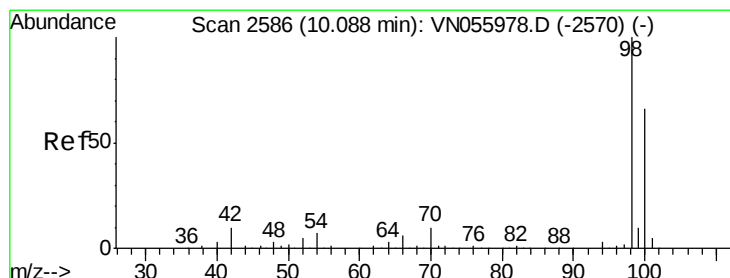
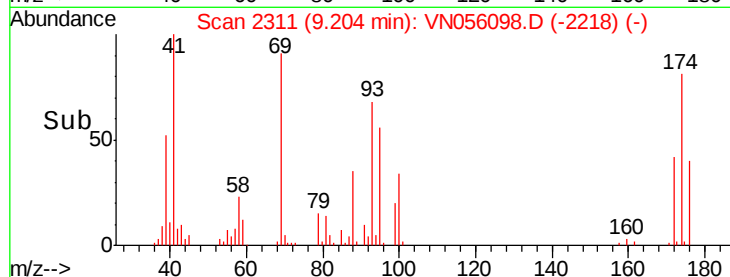
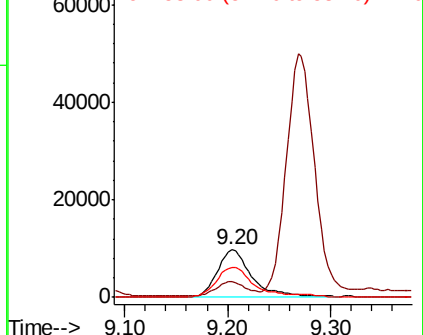
#49
1,4-Dioxane
Concen: 402.094 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion: 88 Resp: 23148
Ion Ratio Lower Upper
88 100
43 26.4 20.5 30.7
58 71.0 55.8 83.6

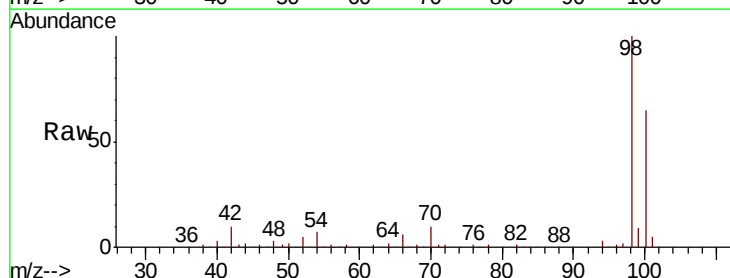


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

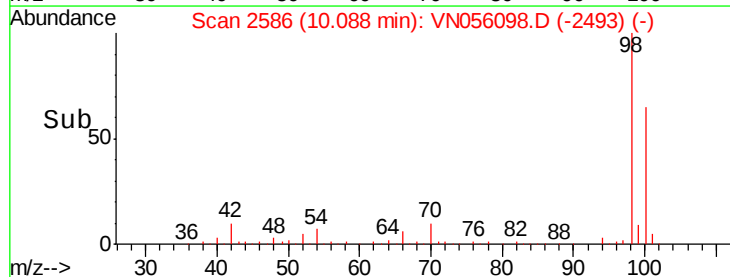
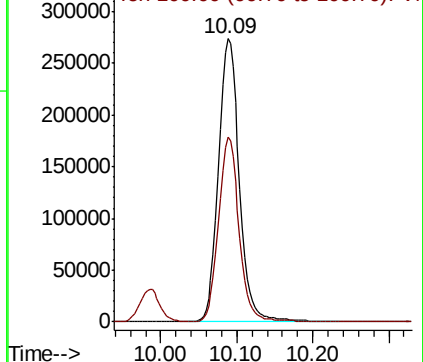


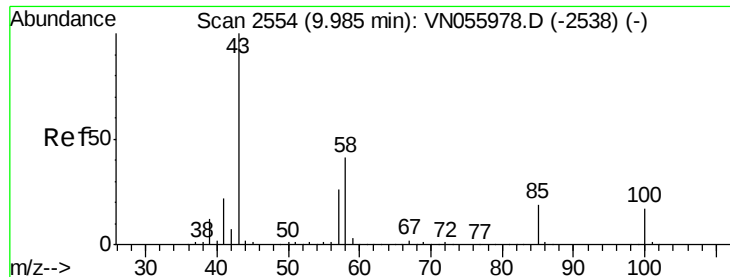
#50
Toluene-d8
Concen: 50.333 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 98 Resp: 522433
Ion Ratio Lower Upper
98 100
100 63.9 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: 108.452 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

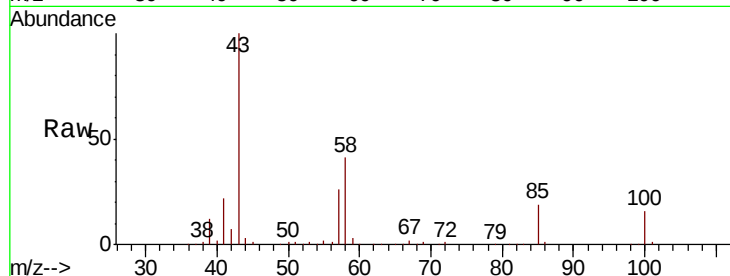
VN0608WBSD02

Tot Ion: 43 Resp: 369664

Ion Ratio Lower Upper

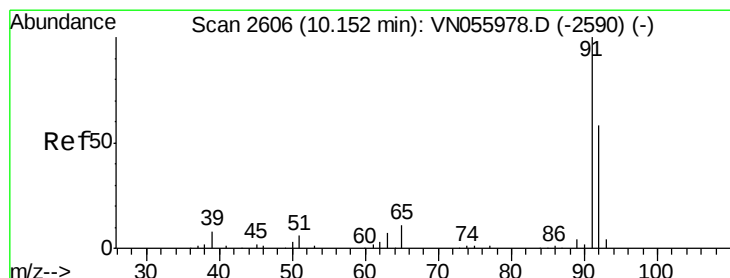
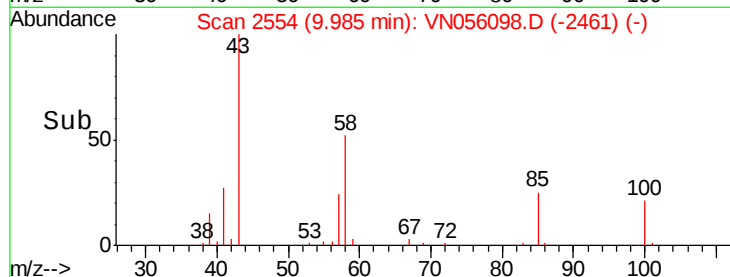
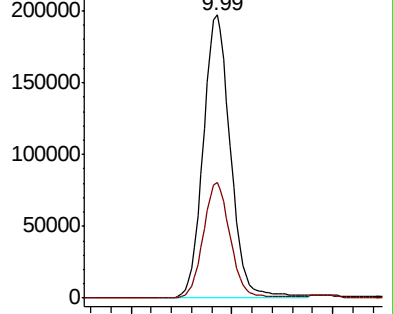
43 100

58 40.6 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.641 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056098.D

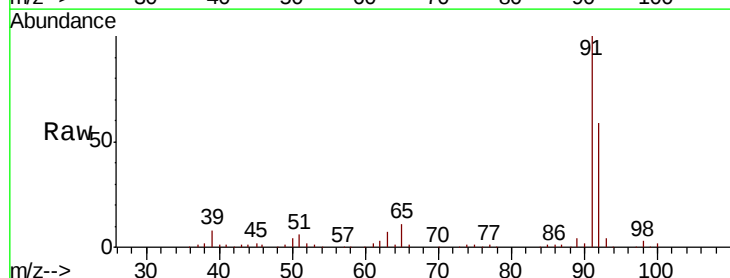
Acq: 7 Jun 2019 14:31

Tgt Ion: 92 Resp: 147477

Ion Ratio Lower Upper

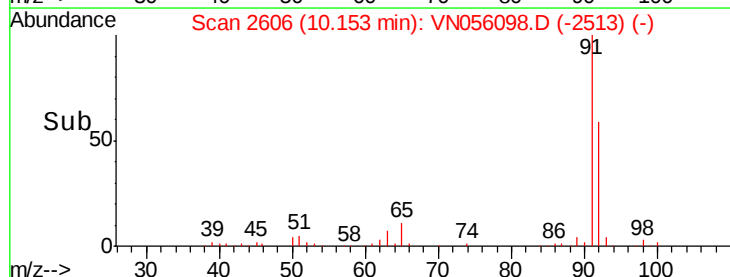
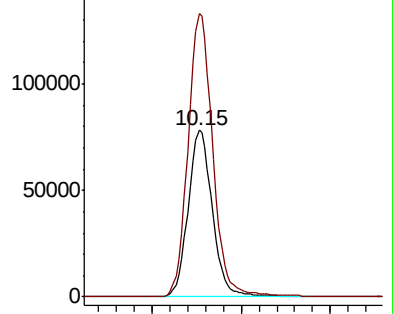
92 100

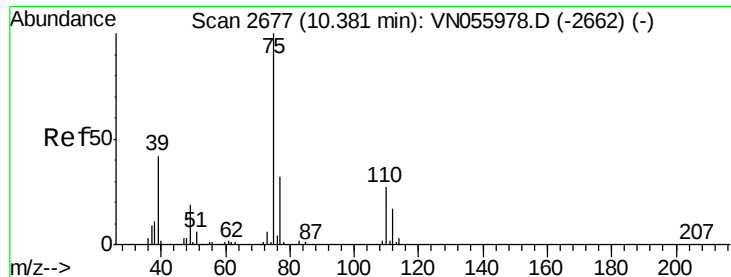
91 173.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.243 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

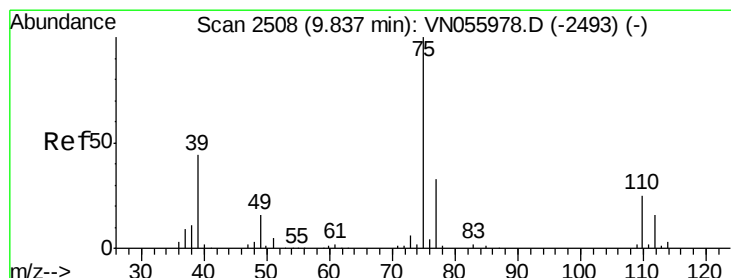
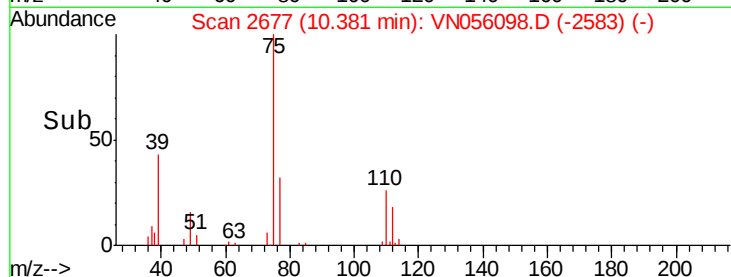
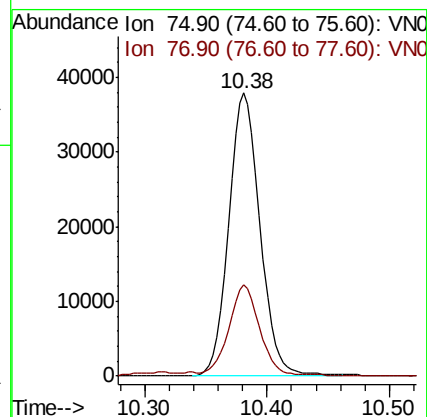
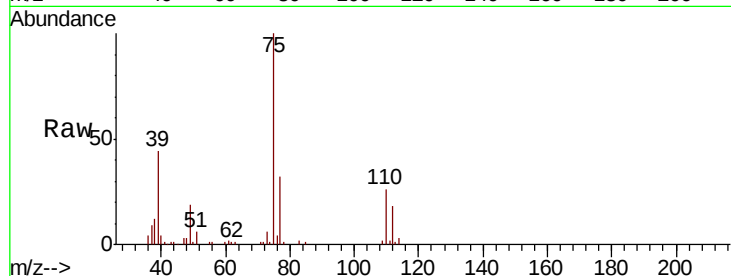
VN0608WBSD02

Tot Ion: 75 Resp: 68016

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.476 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

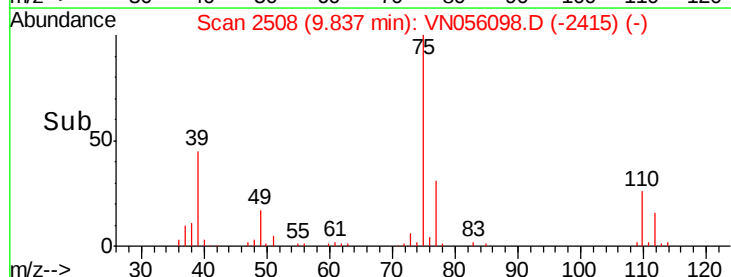
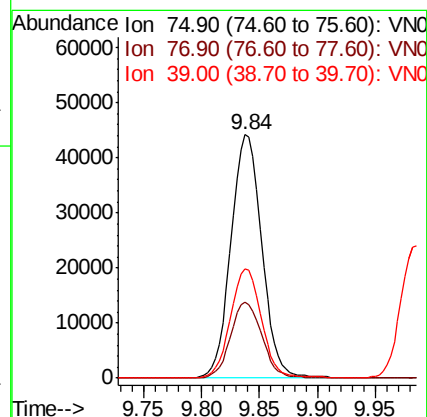
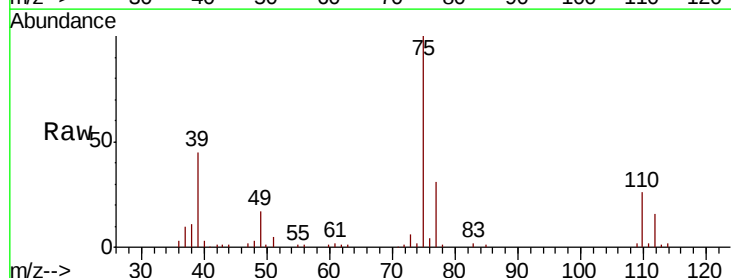
Tgt Ion: 75 Resp: 81601

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 45.1 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 21.035 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

Tot Ion: 97 Resp: 59533

Ion	Ratio	Lower	Upper
97	100		
83	89.4	67.0	100.6
85	55.6	44.0	66.0
99	63.3	50.6	75.8

Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

10.56

Time-->

10.50 10.55 10.60 10.65

30000

20000

10000

0

50000

40000

30000

20000

10000

0

10.50 10.55 10.60 10.65

Time-->

10.50 10.55 10.60 10.65

Time-->

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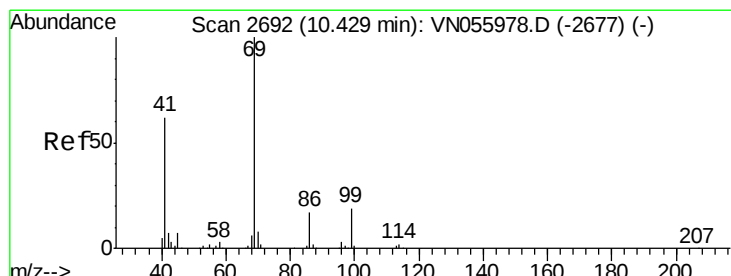
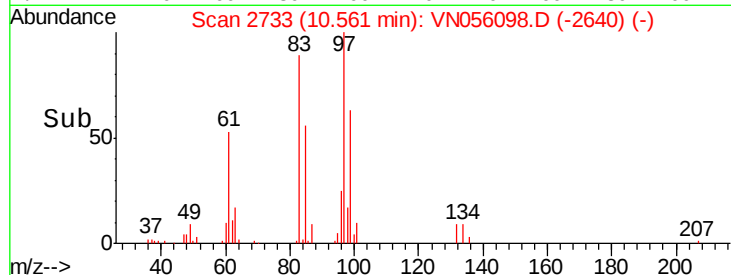
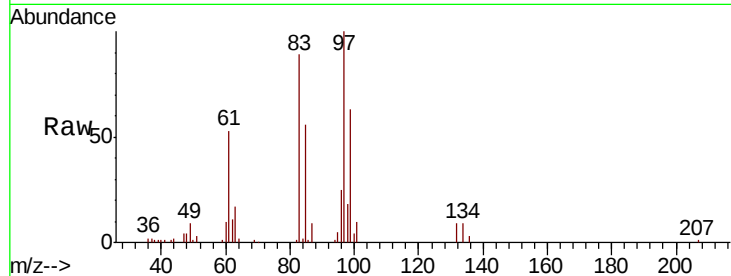
Time-->

Time-->

Time-->

Time-->

Time-->



#56

Ethyl methacrylate

Concen: 20.647 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Tgt Ion: 69 Resp: 85247

Ion	Ratio	Lower	Upper
69	100		
41	62.7	49.7	74.5
39	29.7	24.7	37.1

Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

10.43

Time-->

10.35 10.40 10.45 10.50

60000

40000

20000

0

60000

40000

20000

0

10.35 10.40 10.45 10.50

Time-->

10.35 10.40 10.45 10.50

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

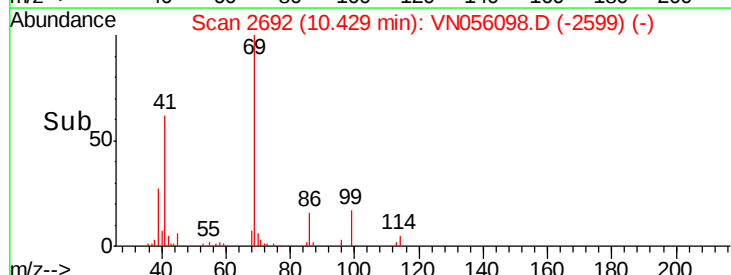
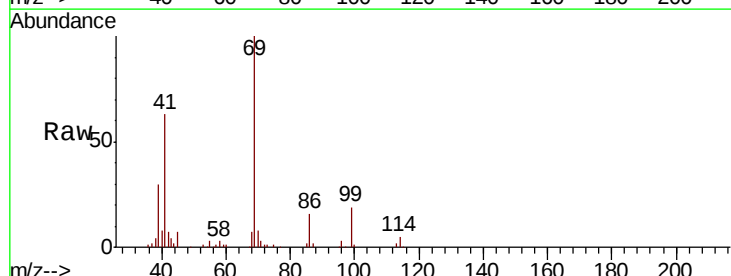
Time-->

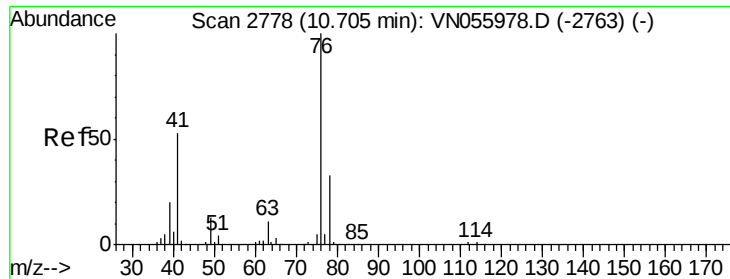
Time-->

Time-->

Time-->

Time-->





#57

1,3-Dichloropropane

Concen: 20.661 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

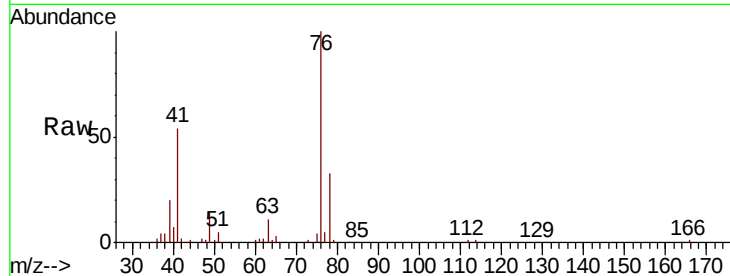
VN0608WBSD02

Tot Ion: 76 Resp: 95058

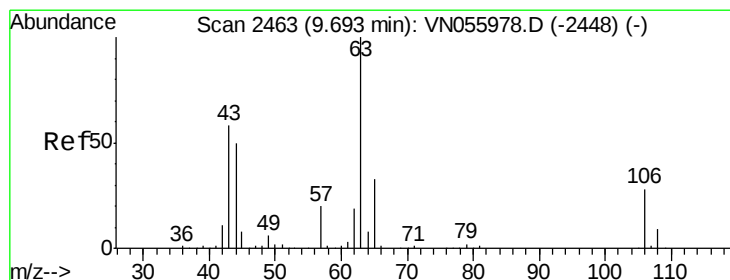
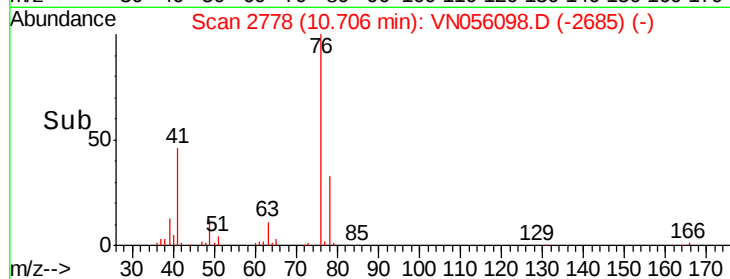
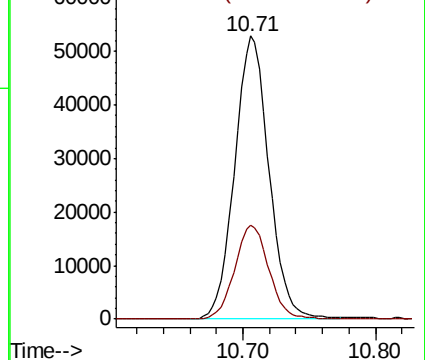
Ion Ratio Lower Upper

76 100

78 33.0 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN055978.D (-2763) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 104.756 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056098.D

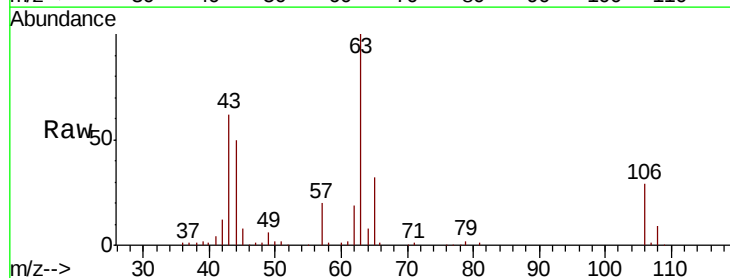
Acq: 7 Jun 2019 14:31

Tgt Ion: 63 Resp: 156446

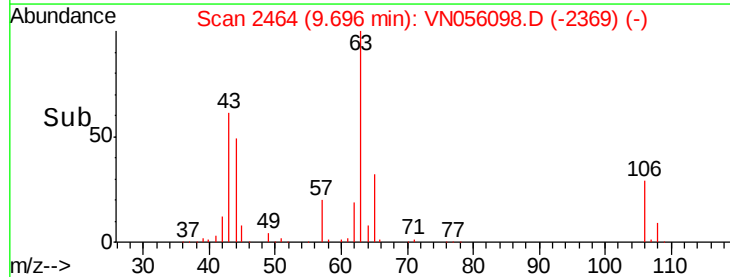
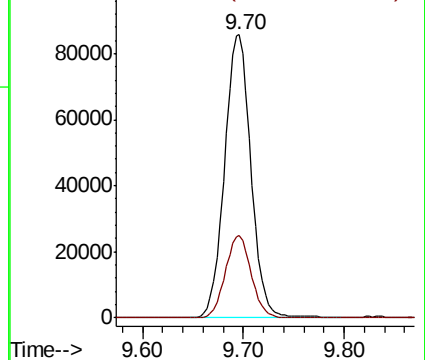
Ion Ratio Lower Upper

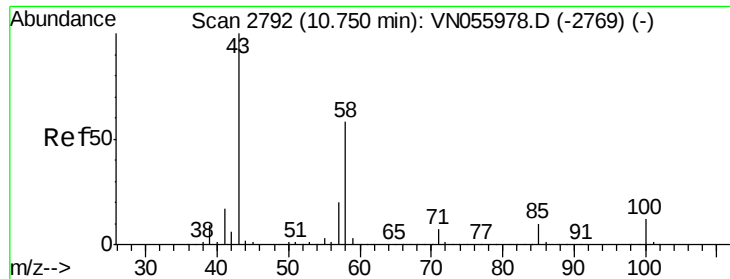
63 100

106 28.5 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-2448) (-)





#59

2-Hexanone

Concen: 104.459 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

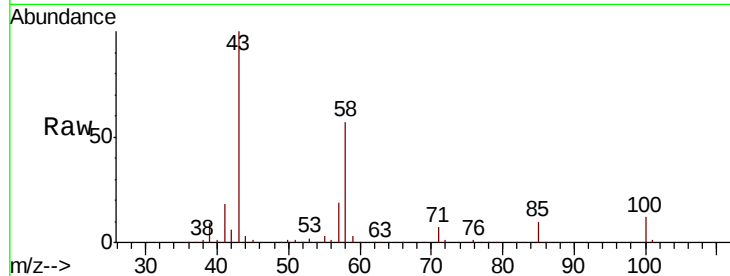
VN0608WBSD02

Tot Ion: 43 Resp: 258060

Ion Ratio Lower Upper

43 100

58 56.9 28.2 84.7



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2769) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2769) (-)

10.75

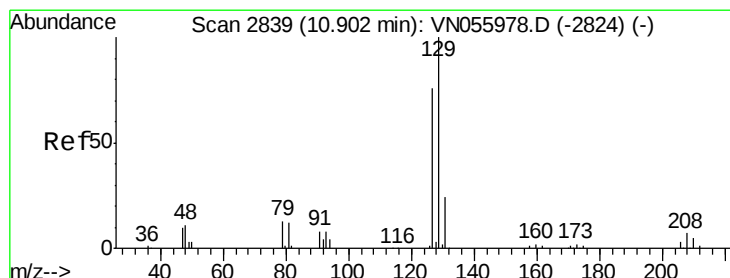
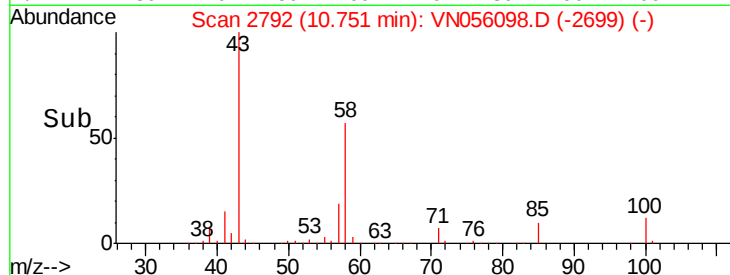
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 19.373 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056098.D

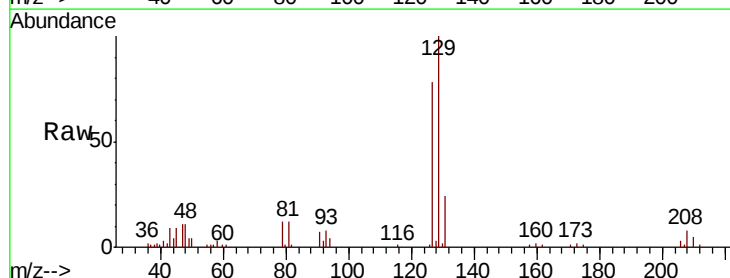
Acq: 7 Jun 2019 14:31

Tgt Ion: 129 Resp: 55541

Ion Ratio Lower Upper

129 100

127 76.8 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): VN055978.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2824) (-)

10.90

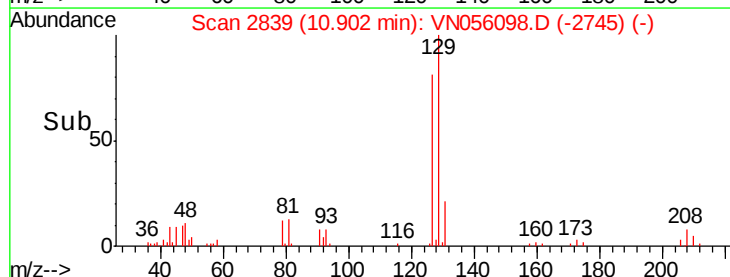
30000

20000

10000

0

Time-->





#61

1,2-Dibromoethane

Concen: 20.739 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

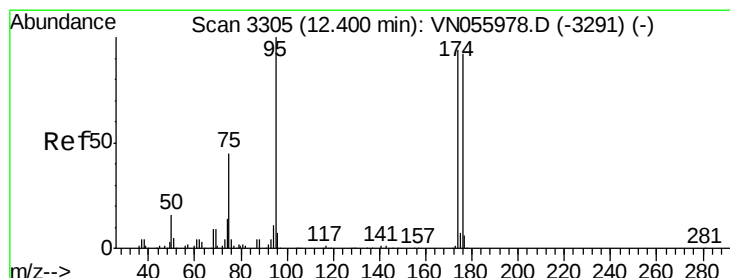
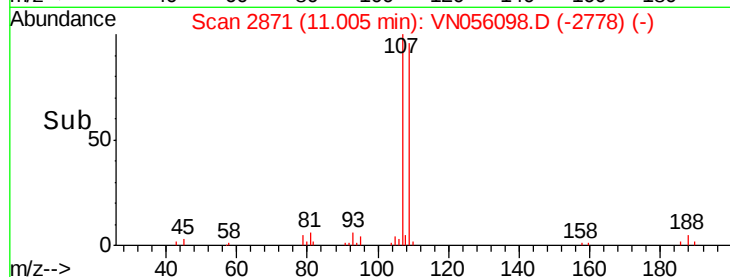
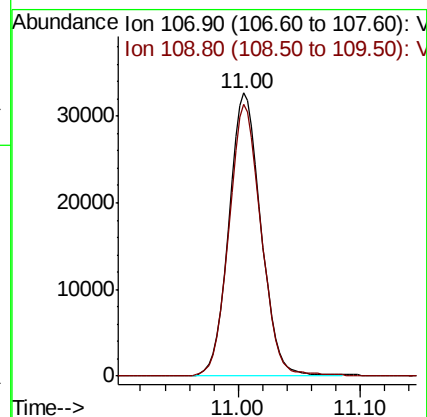
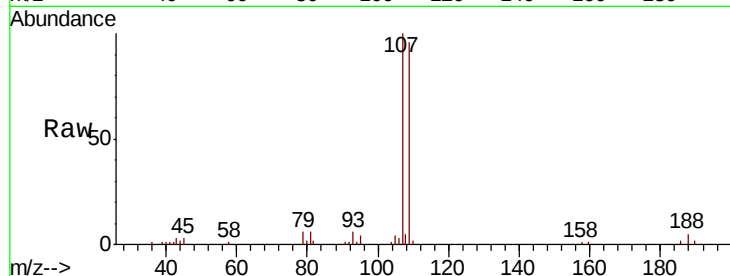
VN0608WBSD02

Tot Ion: 107 Resp: 60002

Ion Ratio Lower Upper

107 100

109 96.6 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 49.284 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

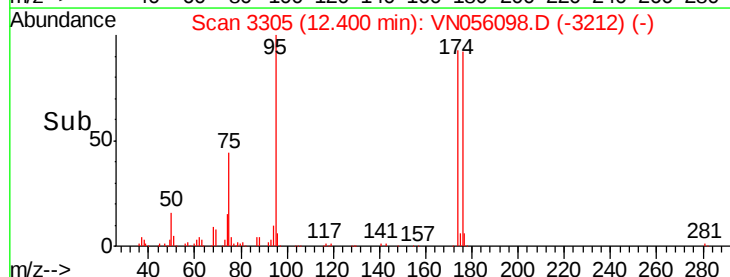
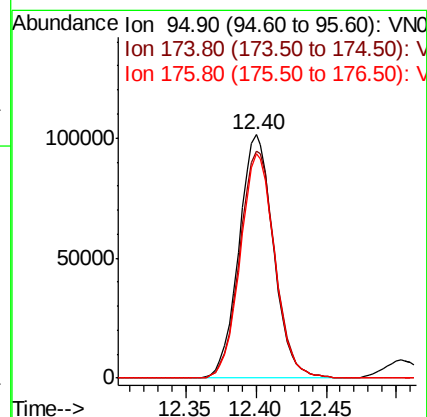
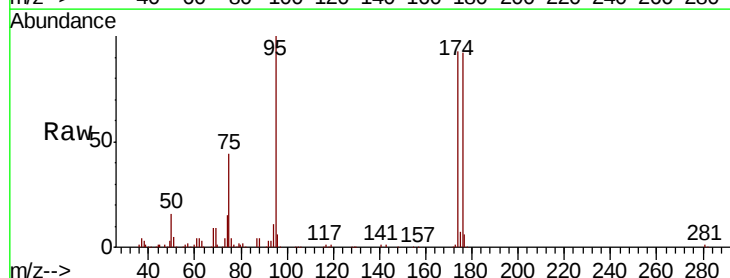
Tgt Ion: 95 Resp: 173965

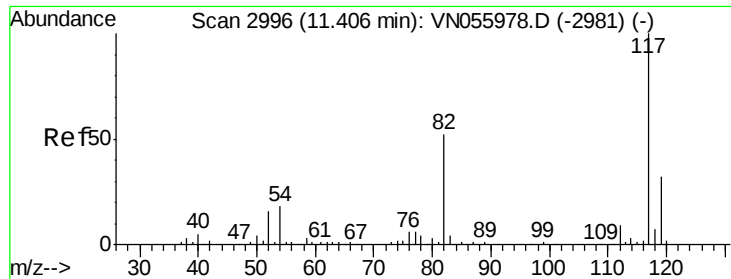
Ion Ratio Lower Upper

95 100

174 95.1 0.0 191.0

176 92.0 0.0 185.2

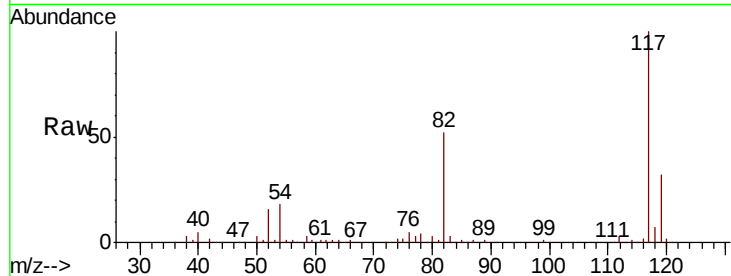




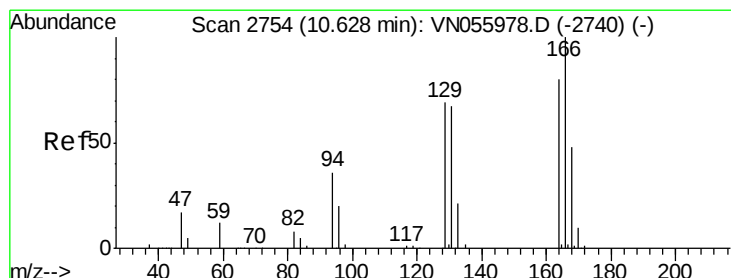
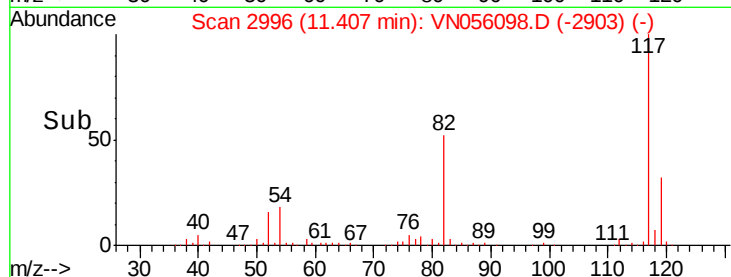
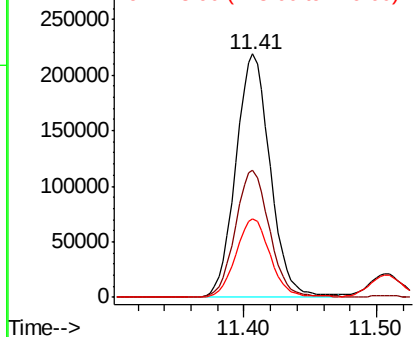
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion:117 Resp: 394012
Ion Ratio Lower Upper
117 100
82 52.1 41.8 62.8
119 32.3 25.4 38.0

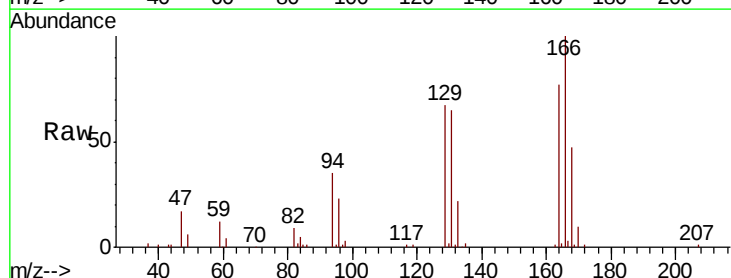


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

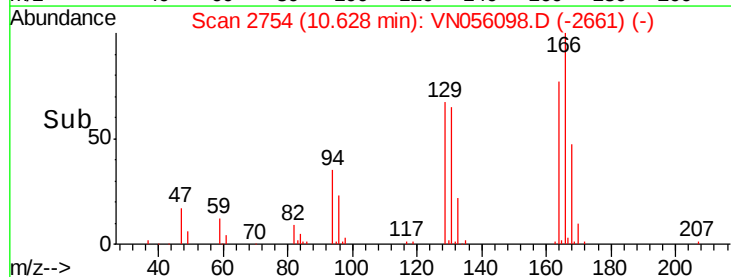
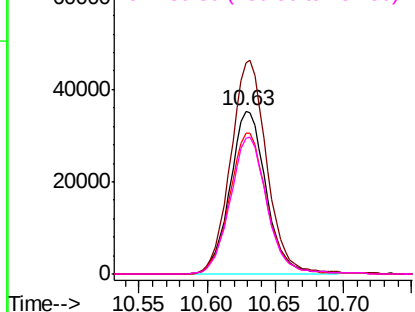


#64
Tetrachloroethene
Concen: 19.006 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion:164 Resp: 64823
Ion Ratio Lower Upper
164 100
166 129.6 103.0 154.6
129 86.2 70.6 105.8
131 83.7 68.6 102.8



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

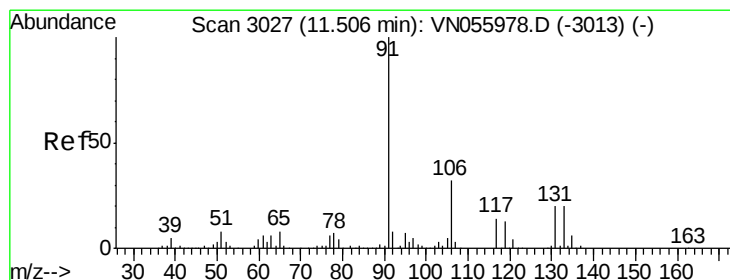
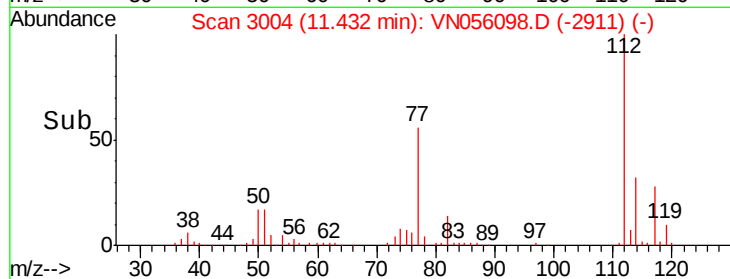
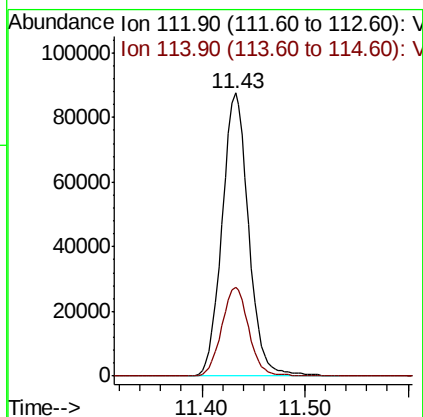
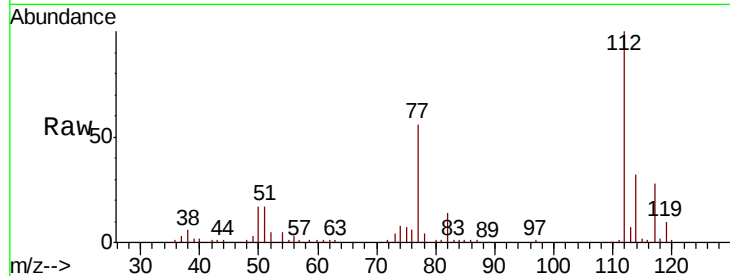




#65
Chlorobenzene
Concen: 20.045 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

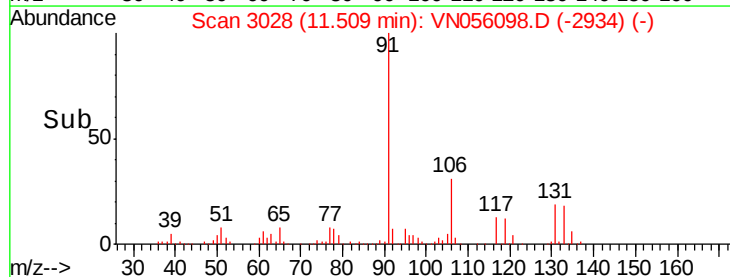
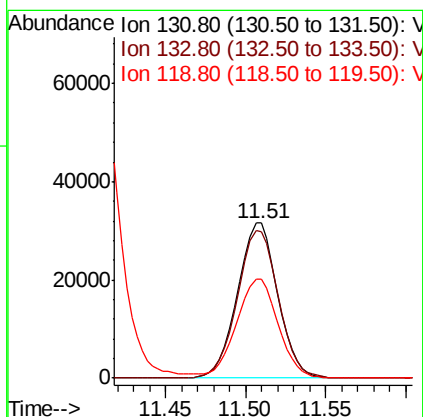
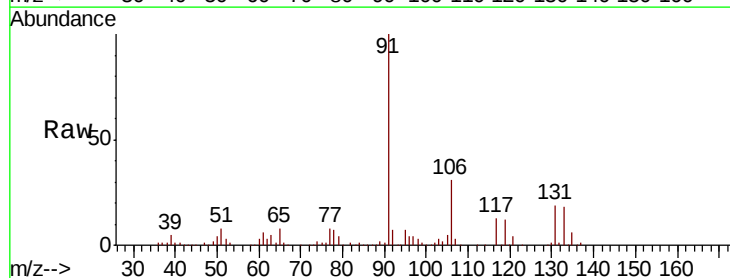
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

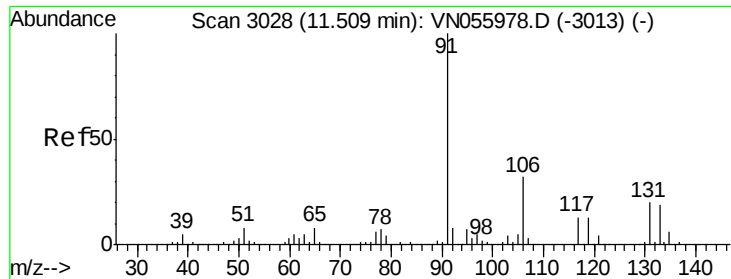
Tot Ion:112 Resp: 157184
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.913 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion:131 Resp: 53916
Ion Ratio Lower Upper
131 100
133 97.0 48.0 144.0
119 66.4 33.1 99.5

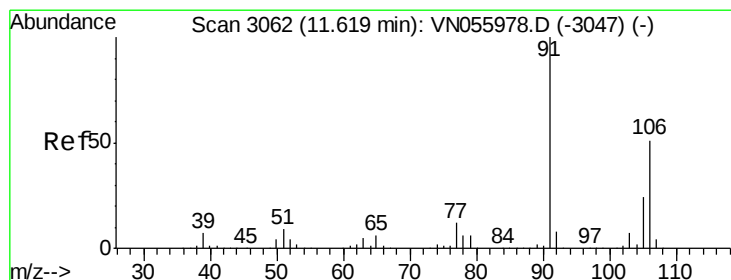
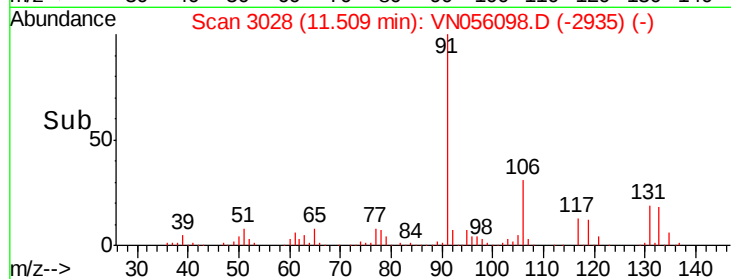
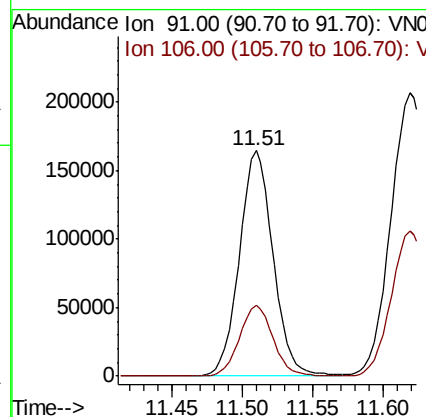
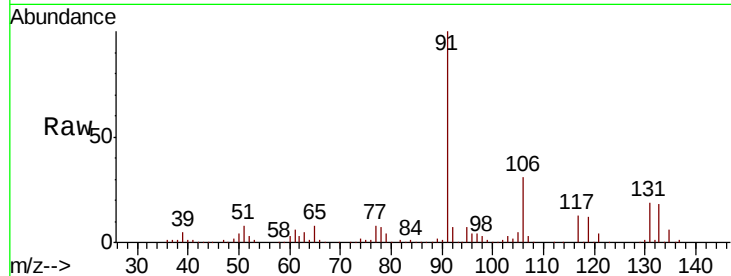




#67
Ethyl Benzene
Concen: 20.235 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

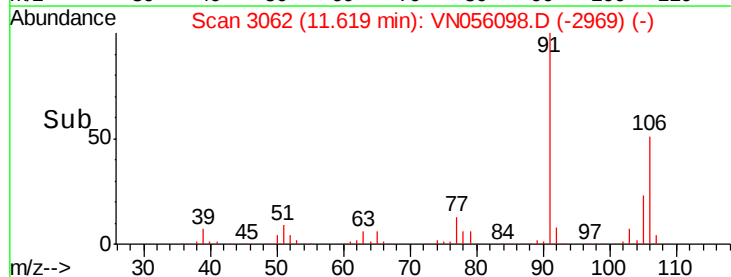
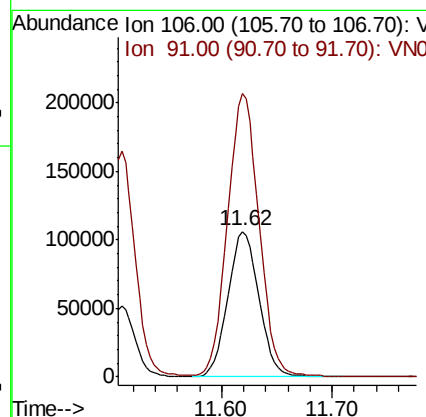
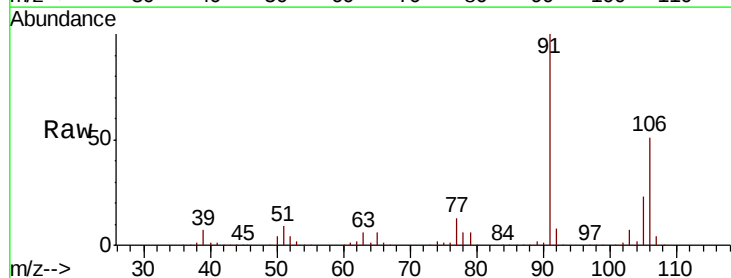
Instrument :
MSVOA_N
ClientSampled :
VN0608WBSD02

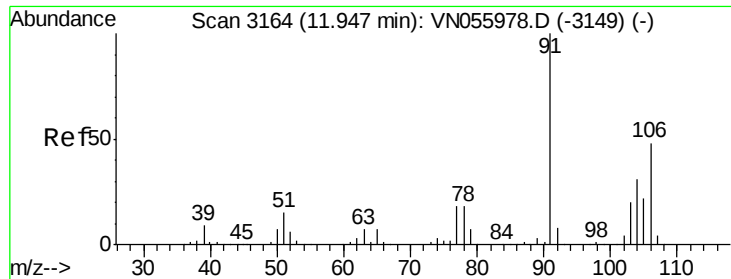
Tot Ion: 91 Resp: 275912
Ion Ratio Lower Upper
91 100
106 31.2 25.1 37.7



#68
m/p-Xylenes
Concen: 39.909 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 106 Resp: 207879
Ion Ratio Lower Upper
106 100
91 197.5 159.3 238.9

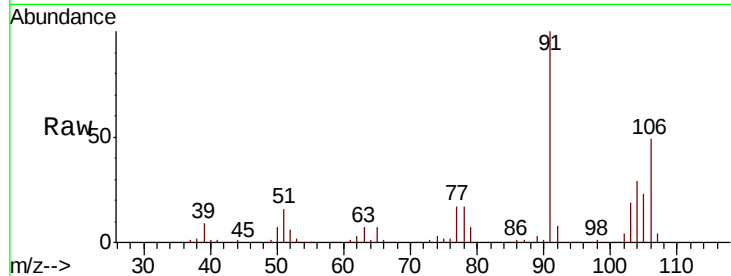




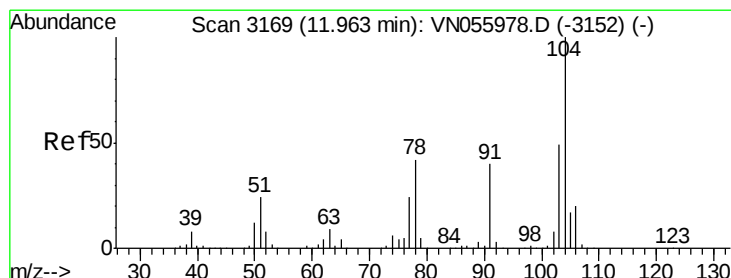
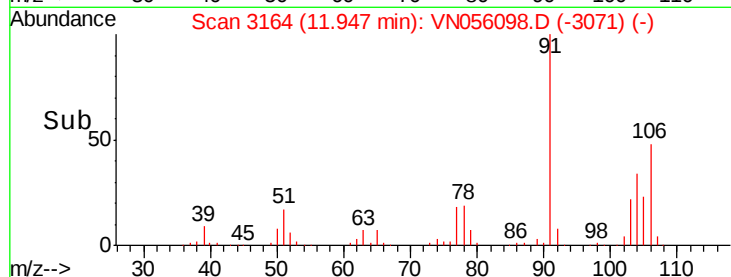
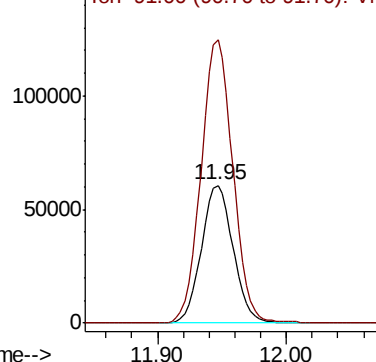
#69
o-Xylene
Concen: 20.208 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion:106 Resp: 103538
Ion Ratio Lower Upper
106 100
91 206.0 104.7 314.1

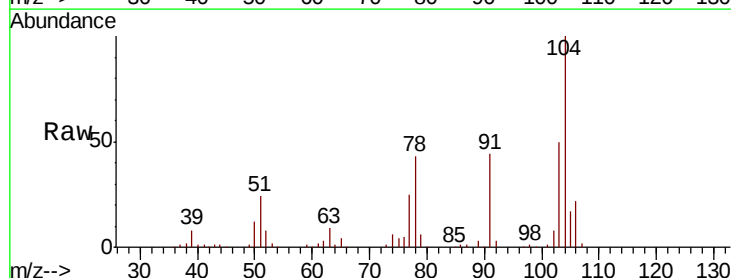


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

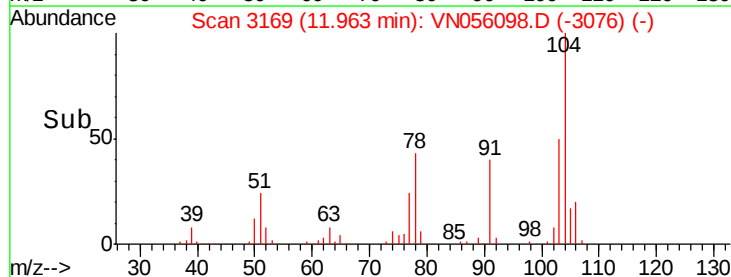
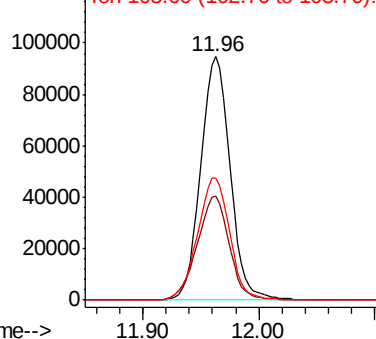


#70
Styrene
Concen: 20.339 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion:104 Resp: 165580
Ion Ratio Lower Upper
104 100
78 46.7 37.8 56.6
103 55.1 44.2 66.2



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

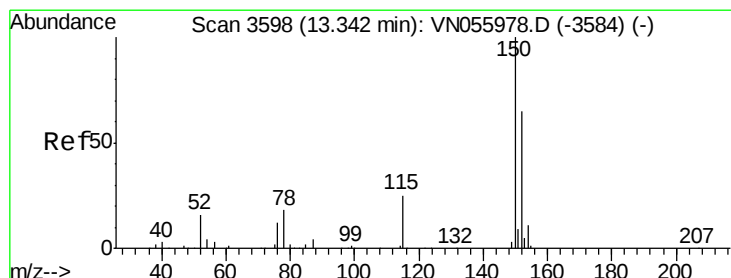
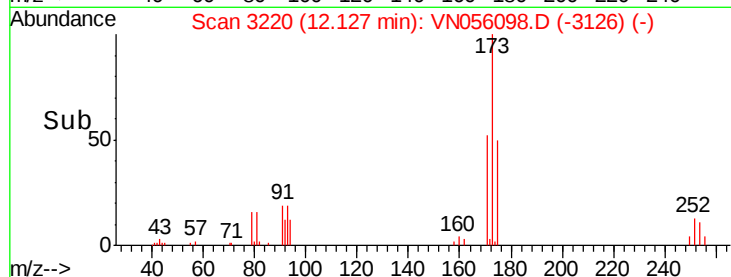
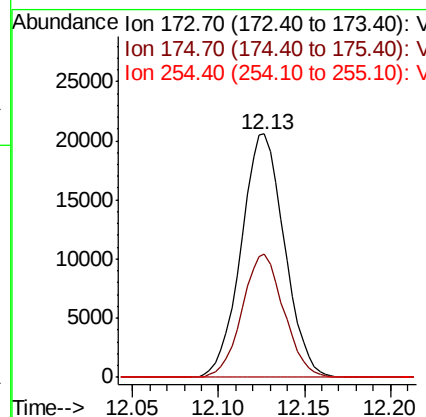
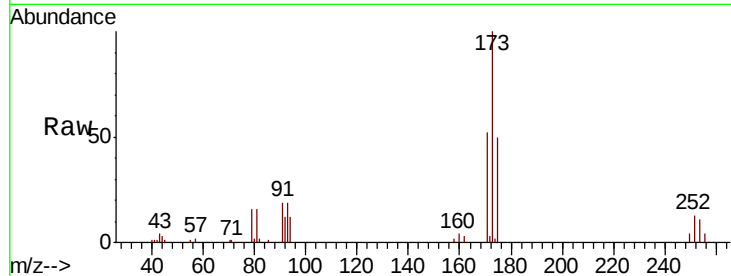




#71
Bromoform
Concen: 17.711 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

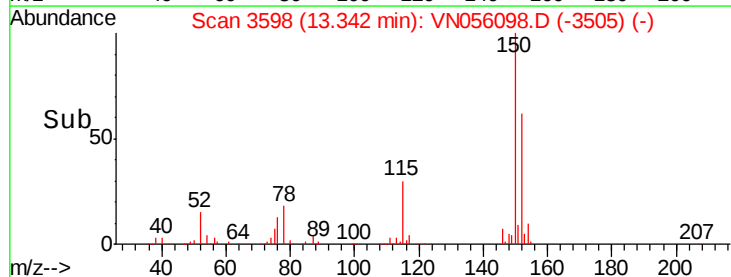
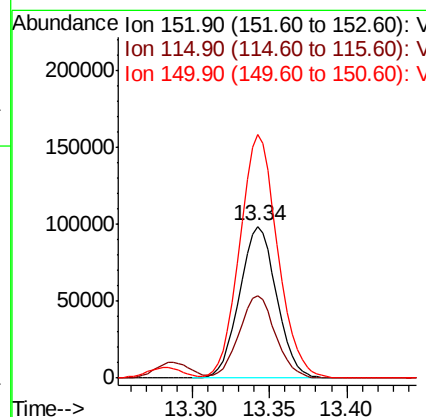
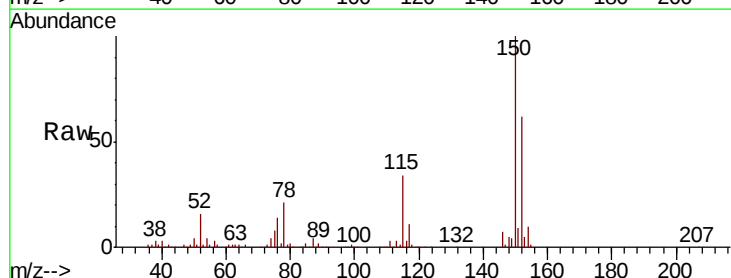
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion:173 Resp: 36001
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion:152 Resp: 164117
Ion Ratio Lower Upper
152 100
115 53.3 27.0 81.0
150 164.3 0.0 343.2





#73

Isopropylbenzene

Concen: 21.892 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

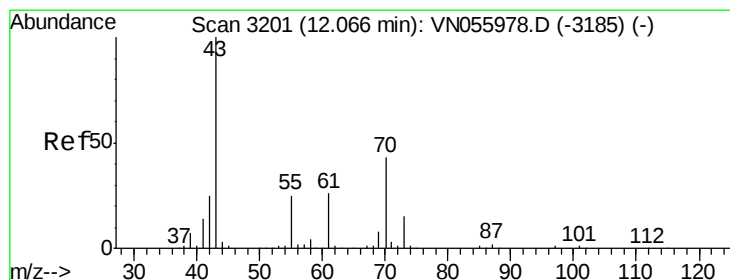
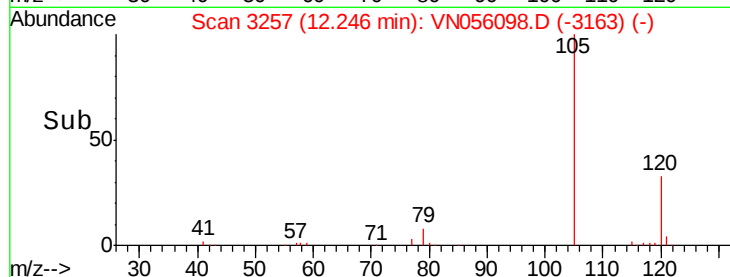
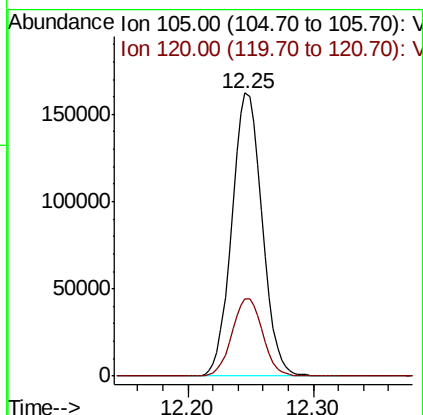
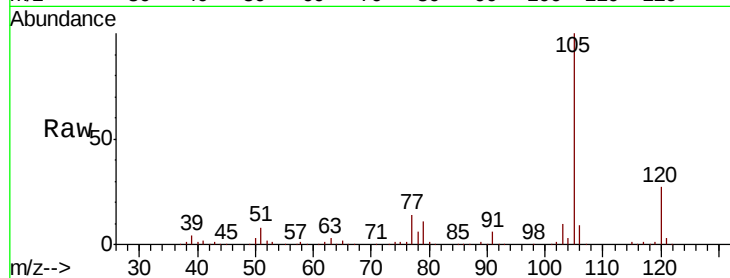
VN0608WBSD02

Tot Ion:105 Resp: 272008

Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.7



#74

N-ethyl acetate

Concen: 21.468 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Tgt Ion: 43 Resp: 93917

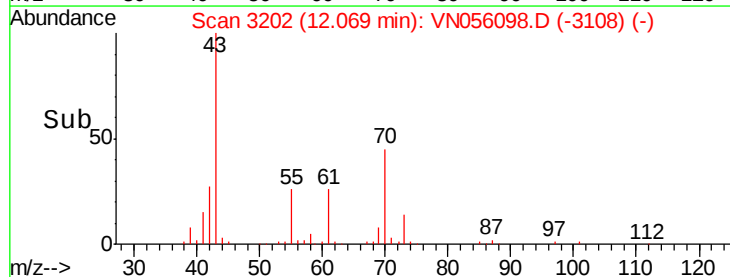
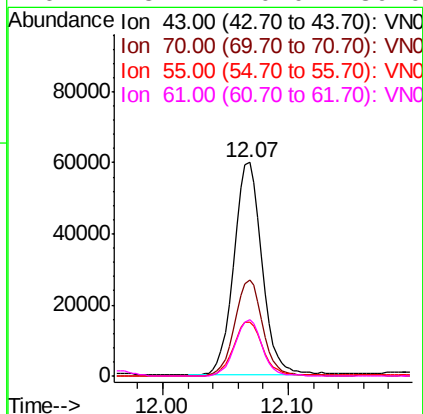
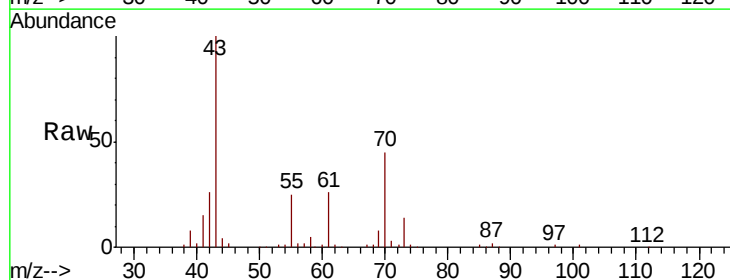
Ion Ratio Lower Upper

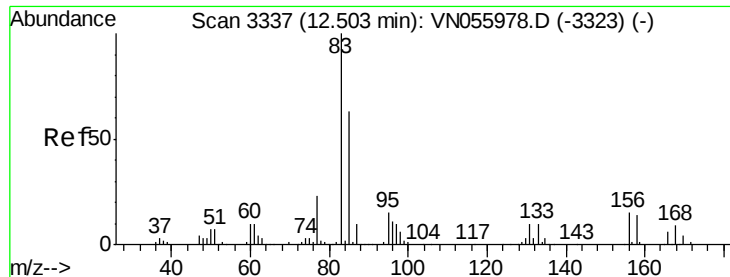
43 100

70 44.7 34.0 51.0

55 26.5 18.6 28.0

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.684 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

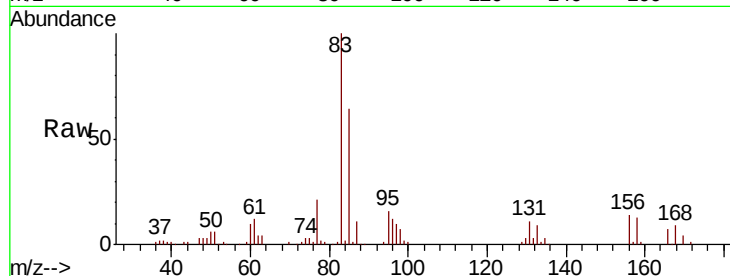
Tot Ion: 83 Resp: 82614

Ion Ratio Lower Upper

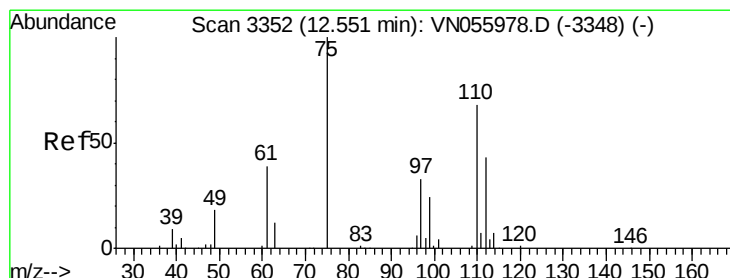
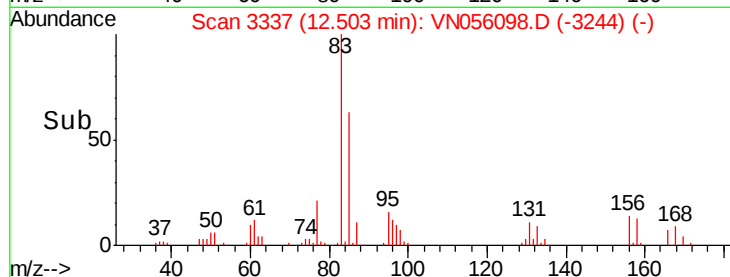
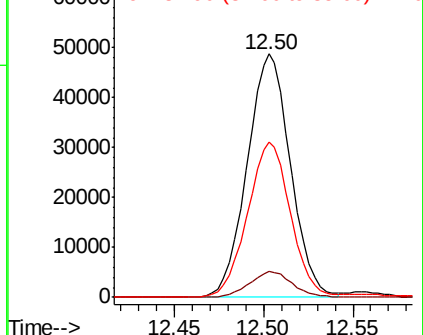
83 100

131 10.5 5.4 16.2

85 63.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.849 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056098.D

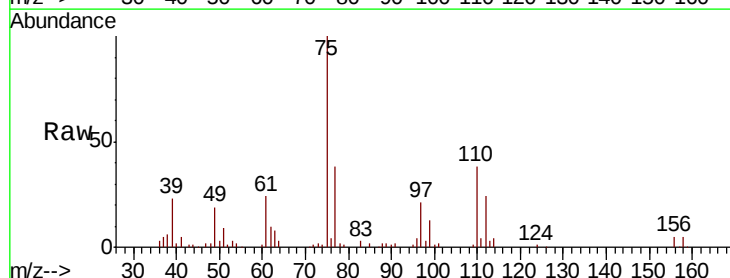
Acq: 7 Jun 2019 14:31

Tgt Ion: 75 Resp: 93160

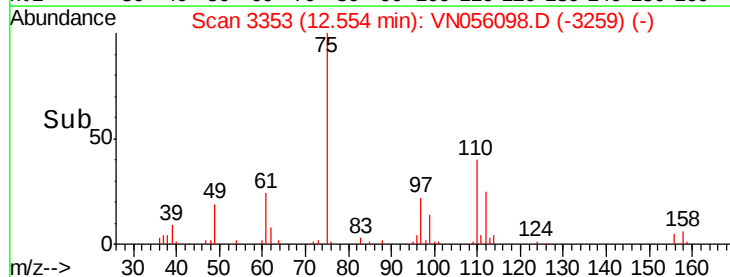
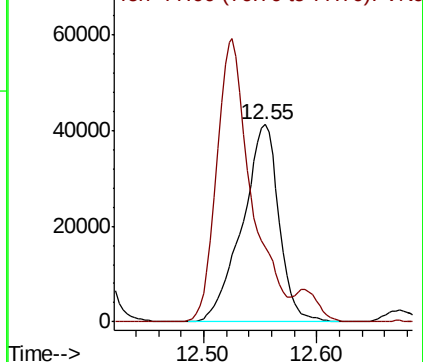
Ion Ratio Lower Upper

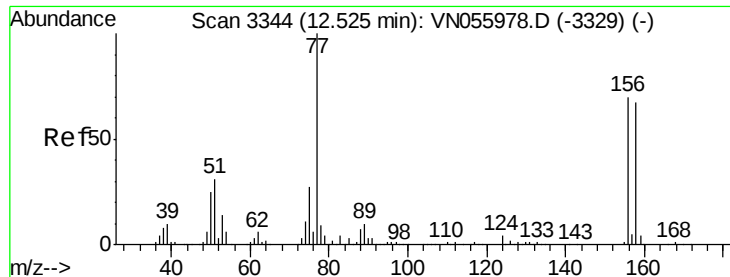
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.540 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

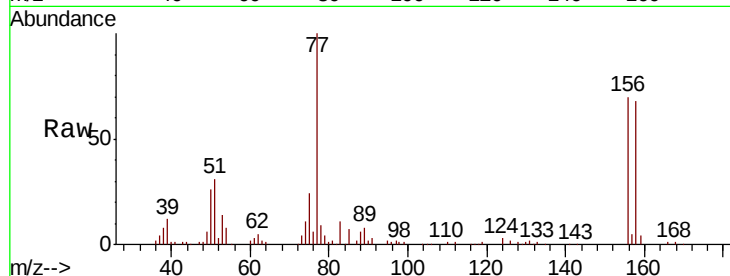
Tot Ion:156 Resp: 72173

Ion Ratio Lower Upper

156 100

77 174.7 90.8 272.5

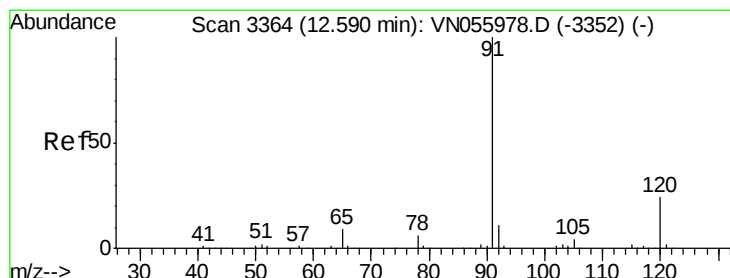
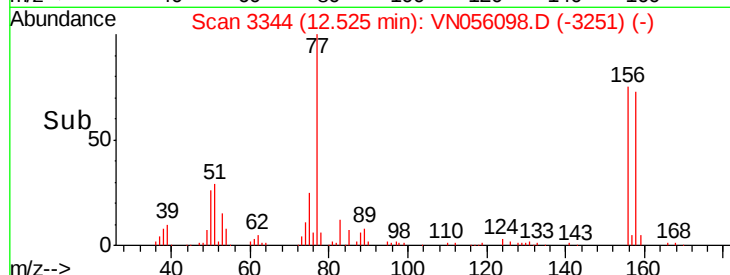
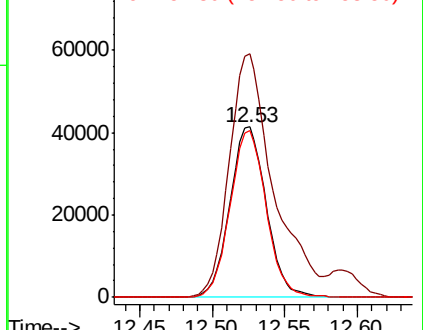
158 96.9 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.375 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056098.D

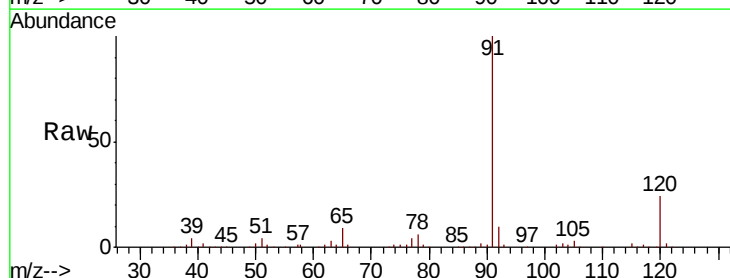
Acq: 7 Jun 2019 14:31

Tgt Ion: 91 Resp: 282885

Ion Ratio Lower Upper

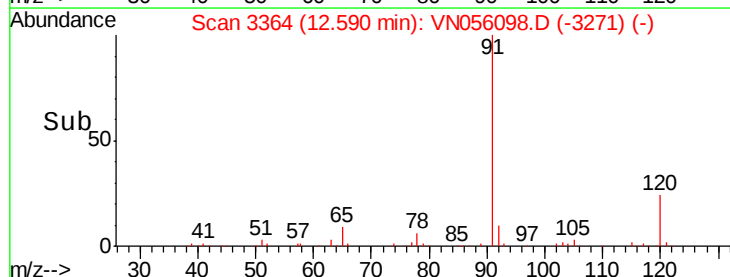
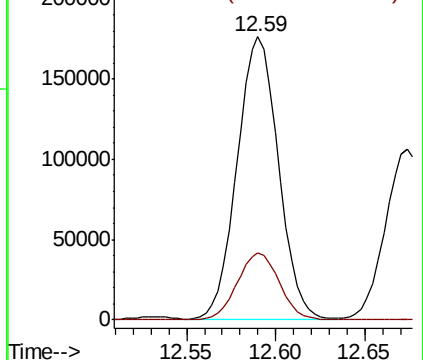
91 100

120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.671 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

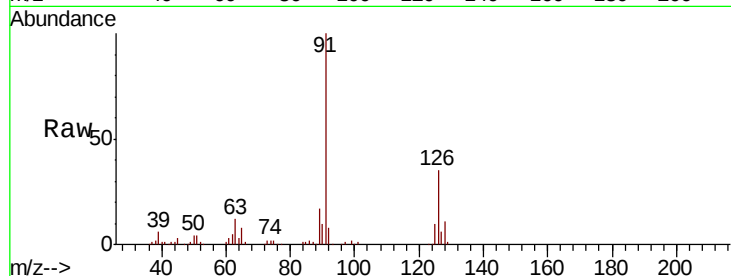
VN0608WBSD02

Tot Ion: 91 Resp: 177020

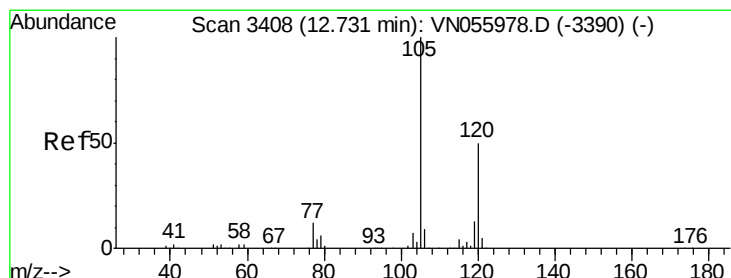
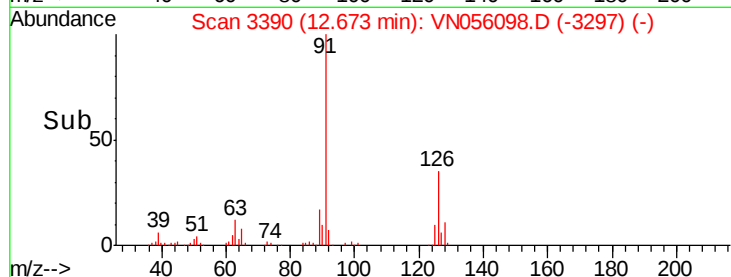
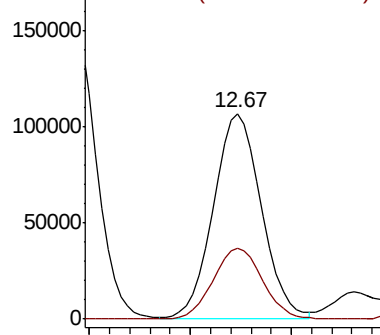
Ion Ratio Lower Upper

91 100

126 35.6 18.1 54.4



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



#80

1,3,5-Trimethylbenzene

Concen: 20.256 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056098.D

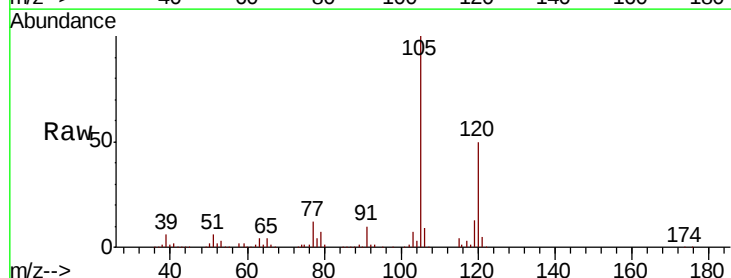
Acq: 7 Jun 2019 14:31

Tgt Ion: 105 Resp: 223513

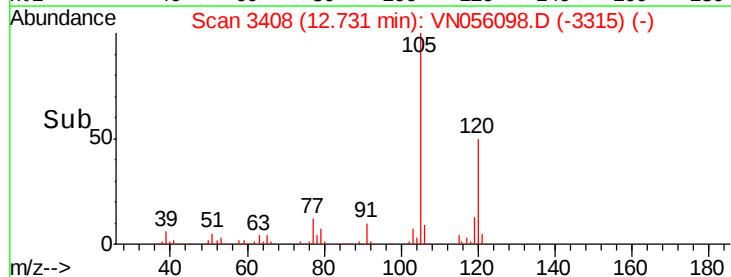
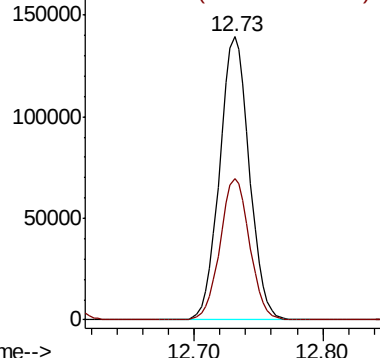
Ion Ratio Lower Upper

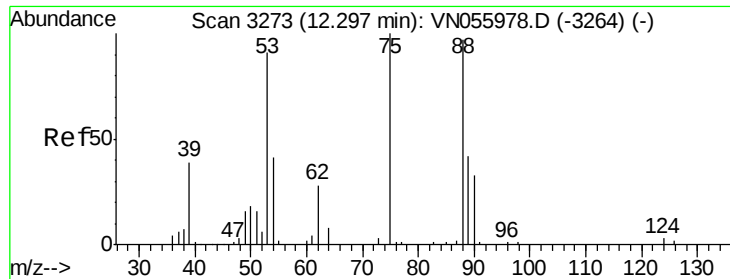
105 100

120 49.8 24.7 74.1



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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.829 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

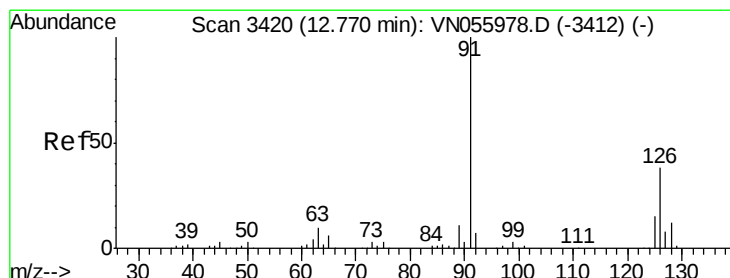
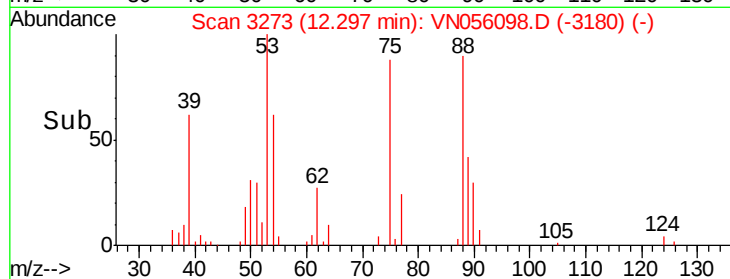
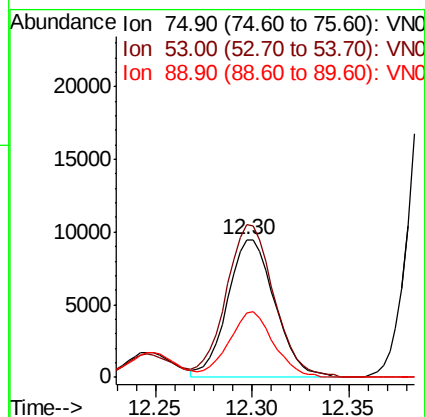
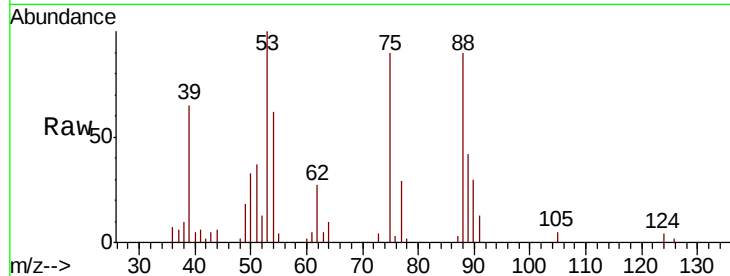
Tot Ion: 75 Resp: 16167

Ion Ratio Lower Upper

75 100

53 112.1 68.1 102.1#

89 44.9 36.9 55.3



#82

4-Chlorotoluene

Concen: 20.162 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056098.D

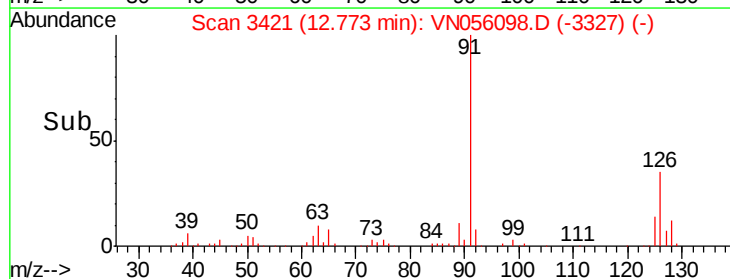
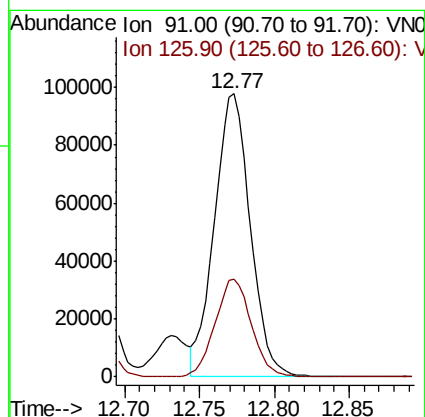
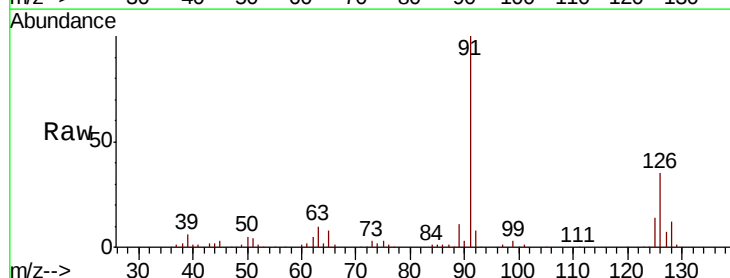
Acq: 7 Jun 2019 14:31

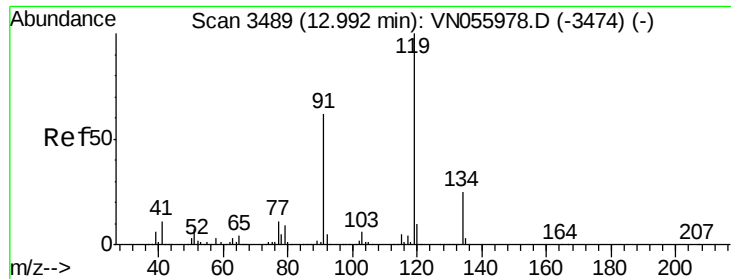
Tgt Ion: 91 Resp: 163773

Ion Ratio Lower Upper

91 100

126 34.8 17.8 53.3

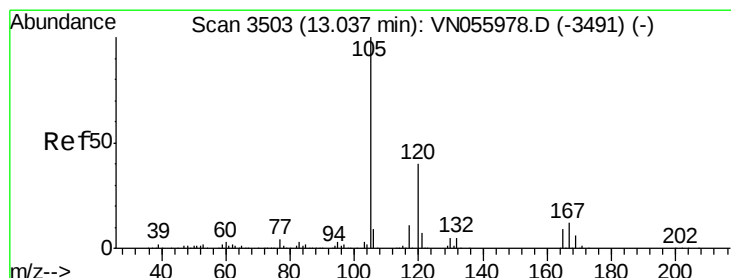
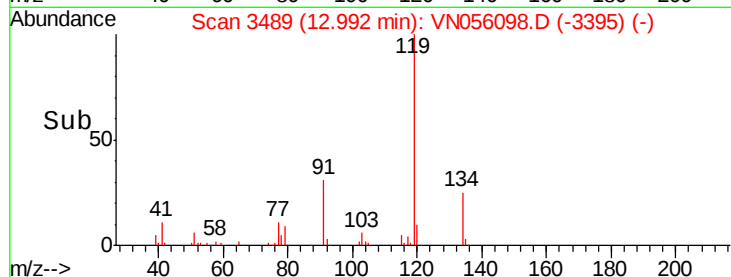
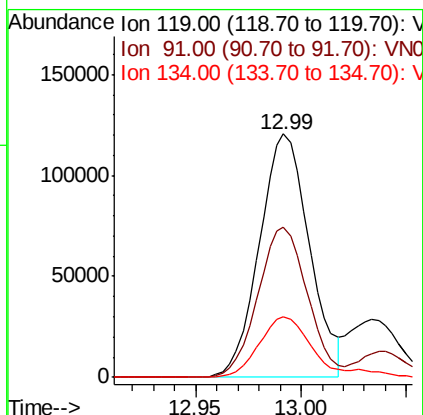
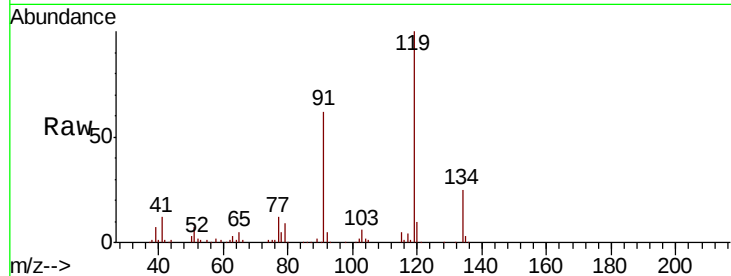




#83
tert-Butylbenzene
Concen: 21.695 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

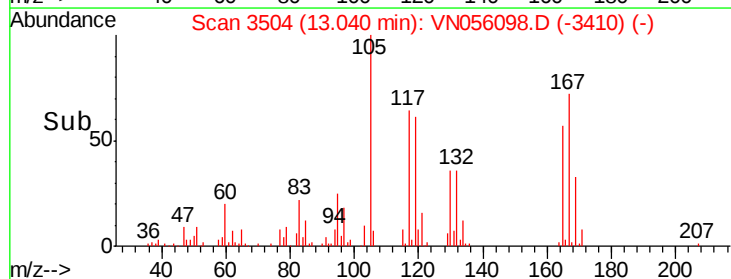
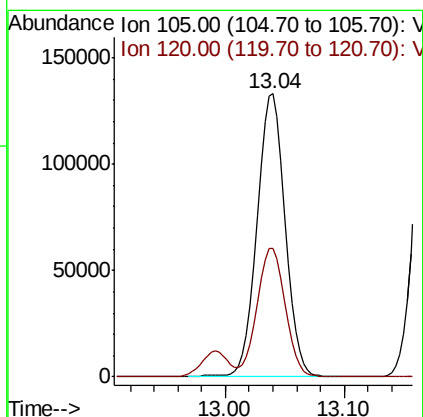
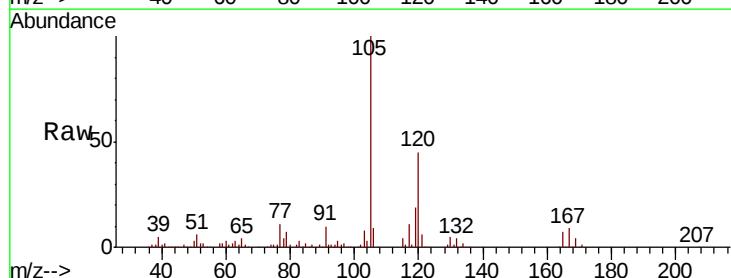
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

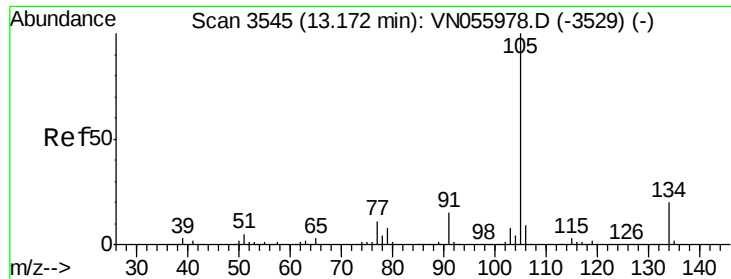
Tot Ion:119 Resp: 198967
Ion Ratio Lower Upper
119 100
91 61.5 30.9 92.8
134 27.3 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 20.795 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion:105 Resp: 217603
Ion Ratio Lower Upper
105 100
120 45.7 23.0 69.0

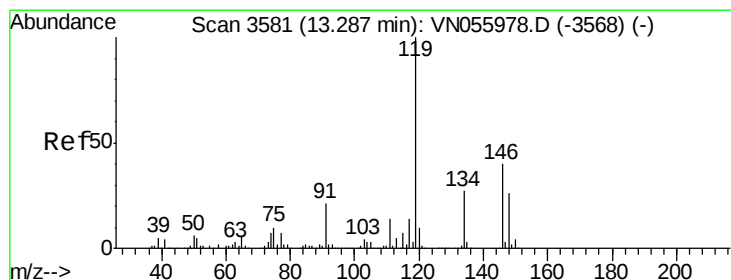
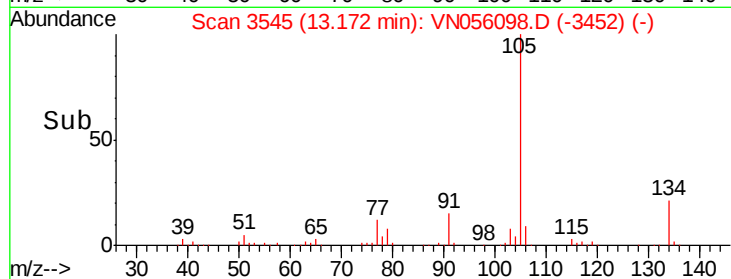
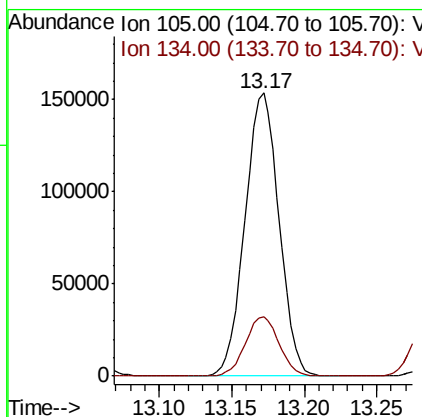
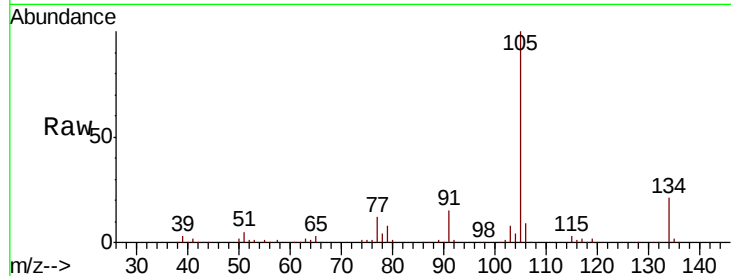




#85
 sec-Butylbenzene
 Concen: 20.430 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

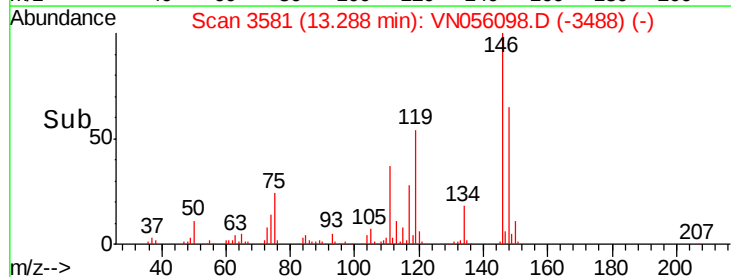
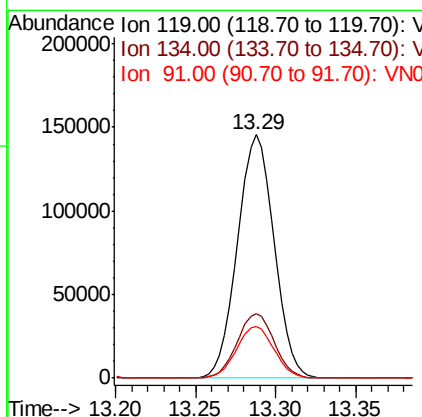
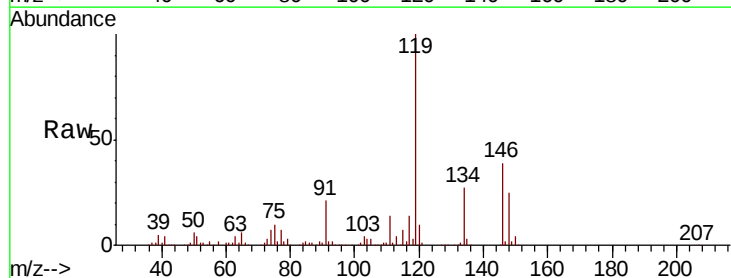
Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBSD02

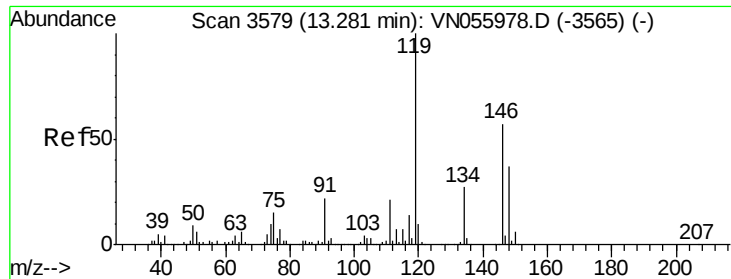
Tot Ion:105 Resp: 251207
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 20.639 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion:119 Resp: 227118
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.1
 91 21.8 10.9 32.9

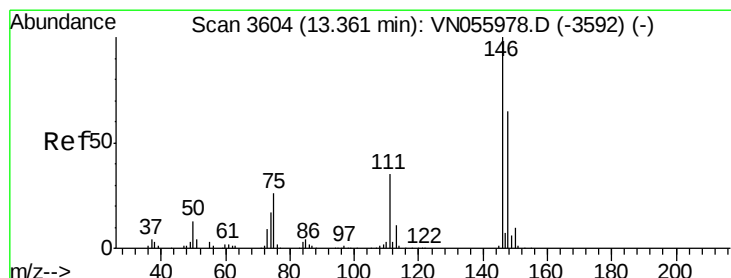
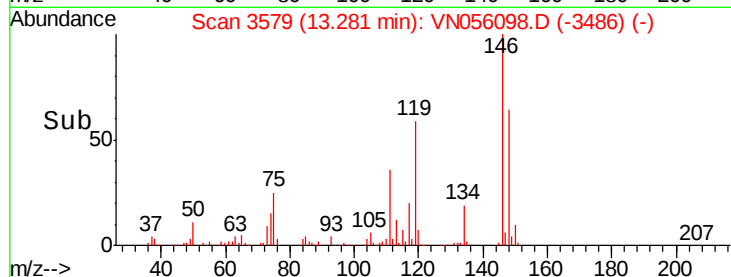
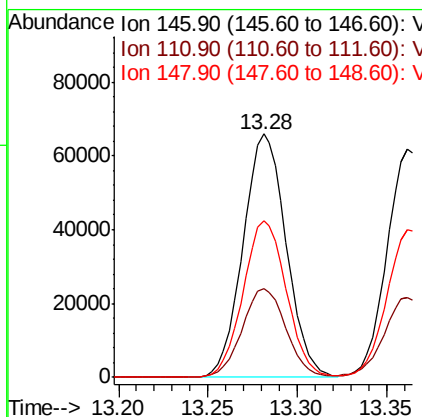
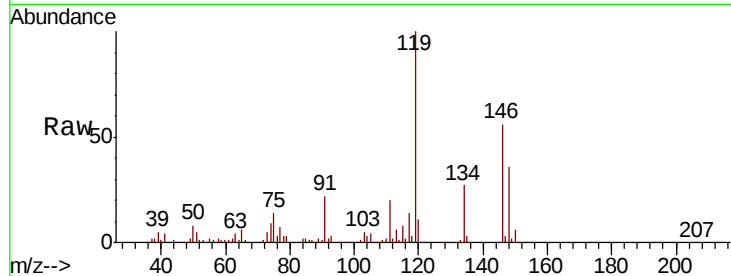




#87
 1,3-Dichlorobenzene
 Concen: 20.417 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

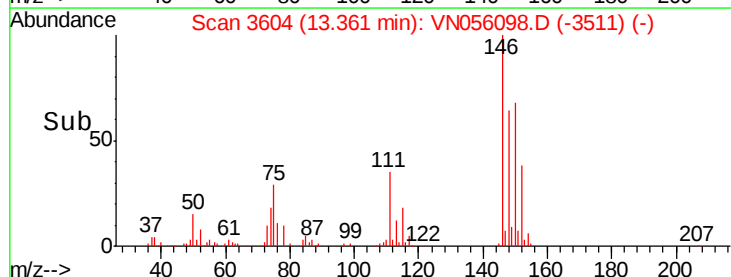
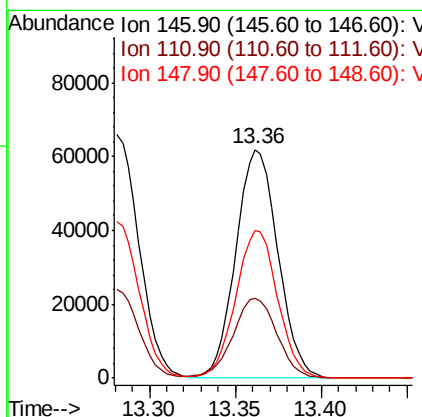
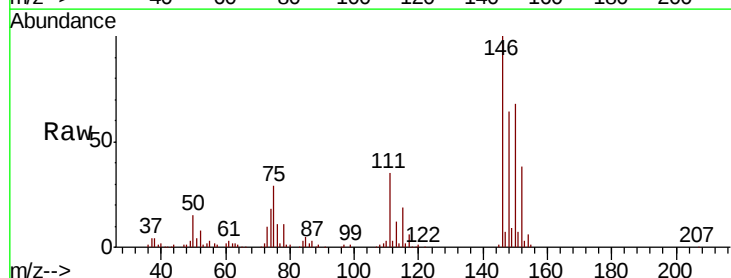
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

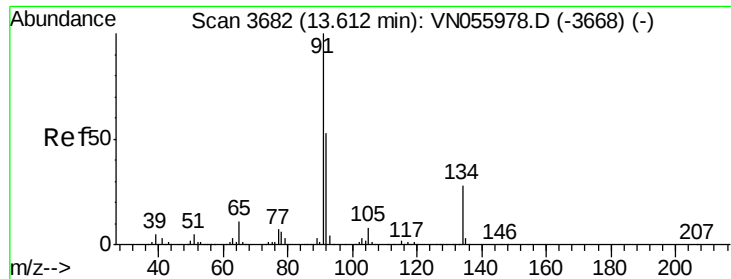
Tot Ion:146 Resp: 111033
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.5 55.5
 148 64.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.118 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion:146 Resp: 105244
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.1 54.4
 148 64.2 32.1 96.5

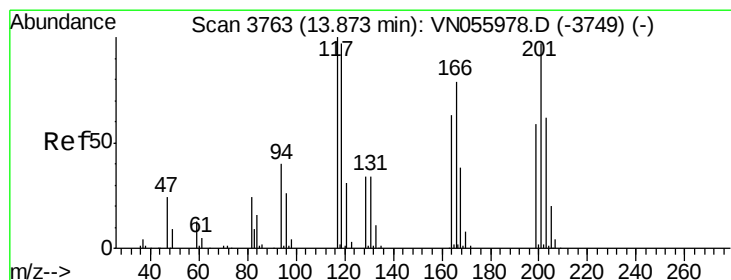
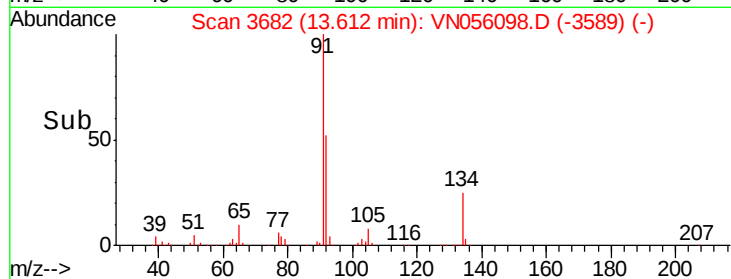
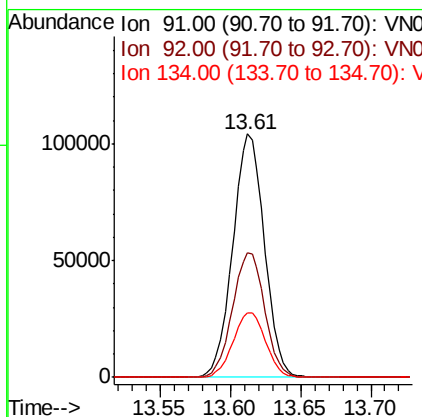
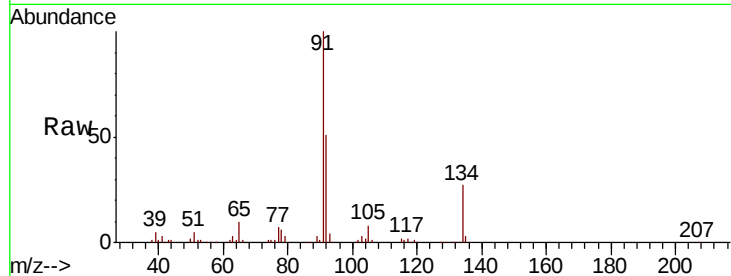




#89
n-Butylbenzene
Concen: 20.050 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

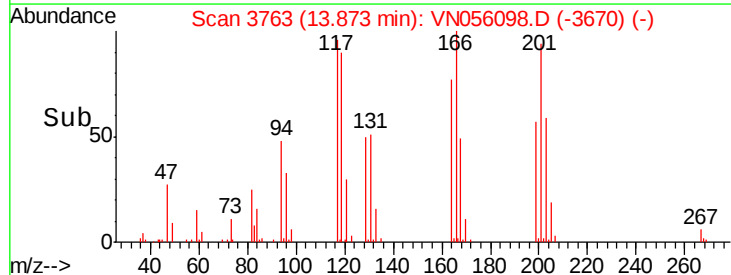
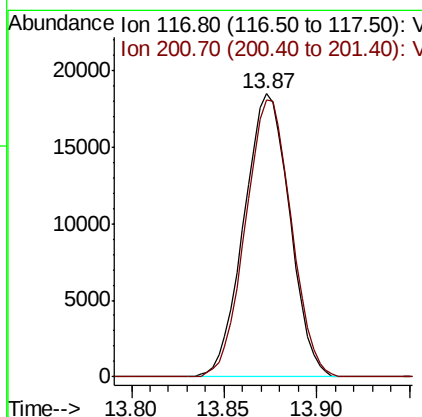
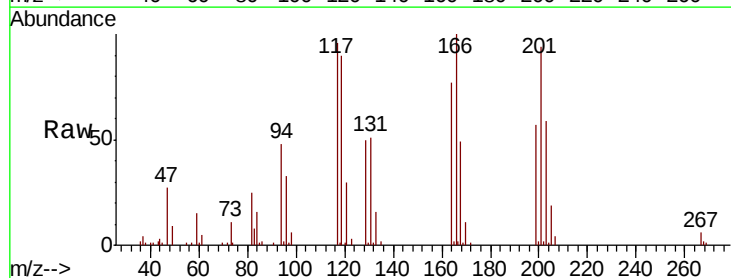
Instrument :
MSVOA_N
ClientSampled :
VN0608WBSD02

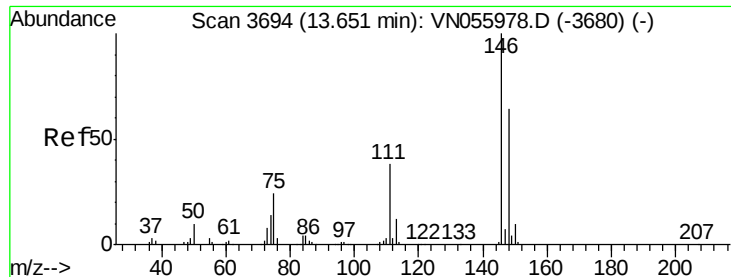
Tot Ion: 91 Resp: 163441
Ion Ratio Lower Upper
91 100
92 52.0 26.4 79.0
134 27.3 13.9 41.7



#90
Hexachloroethane
Concen: 19.088 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 117 Resp: 31678
Ion Ratio Lower Upper
117 100
201 97.7 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 20.596 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

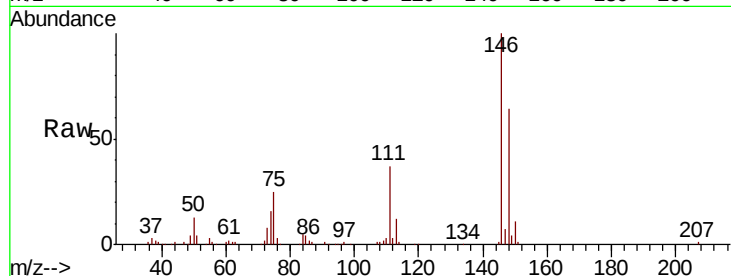
Tot Ion:146 Resp: 113083

Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.5

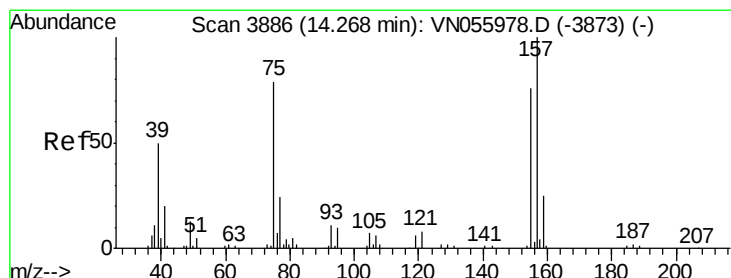
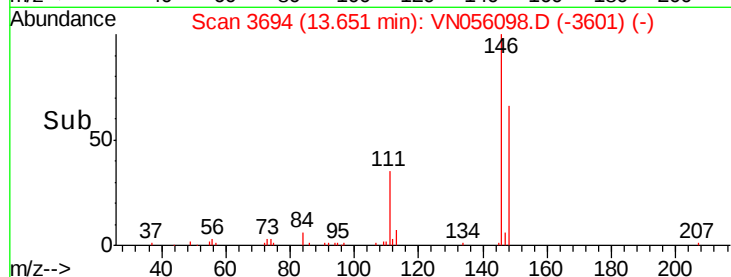
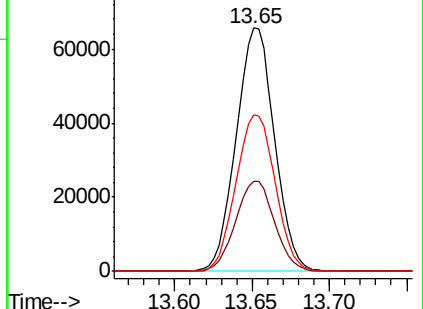
148 65.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.084 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

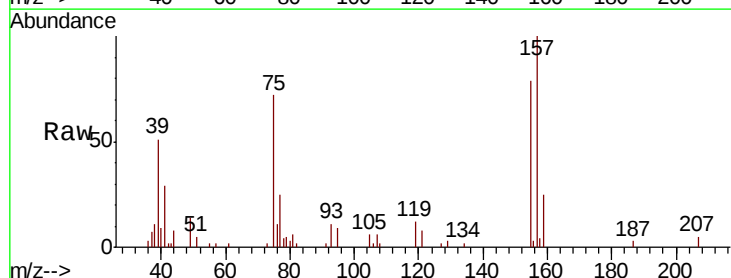
Tgt Ion: 75 Resp: 11489

Ion Ratio Lower Upper

75 100

155 104.2 50.0 150.1

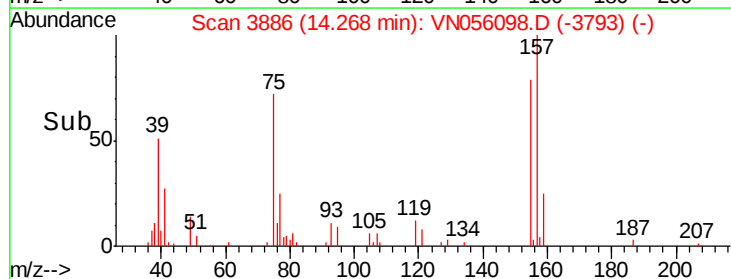
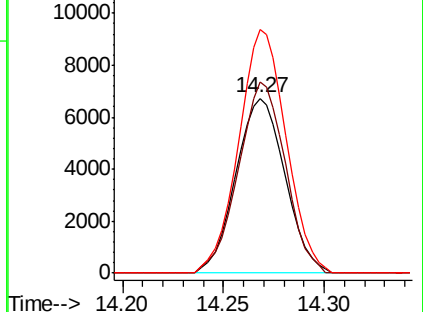
157 134.3 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

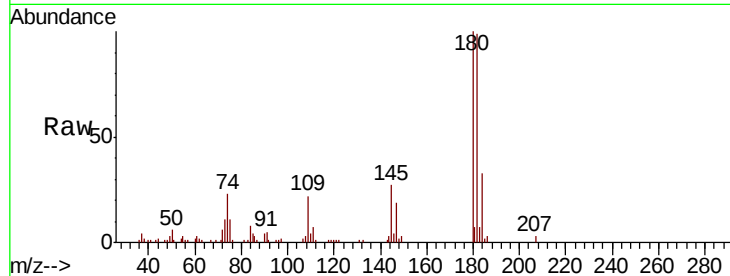




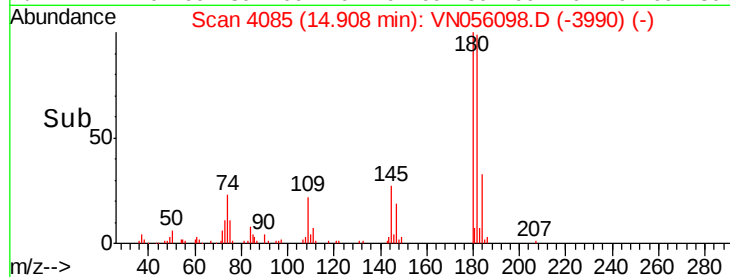
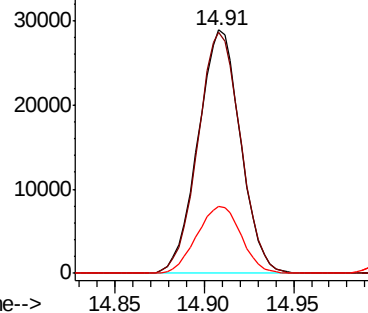
#93
 1,2,4-Trichlorobenzene
 Concen: 18.795 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

Tot Ion:180 Resp: 48052
 Ion Ratio Lower Upper
 180 100
 182 99.2 48.3 144.9
 145 28.6 14.0 41.9

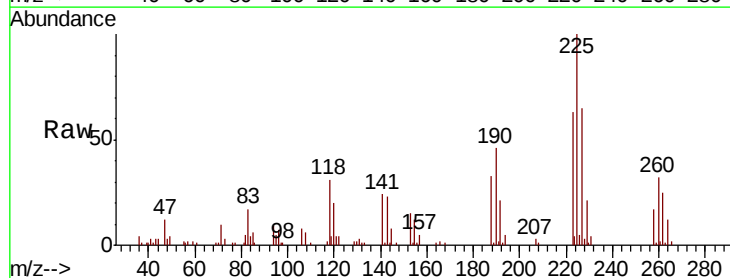


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

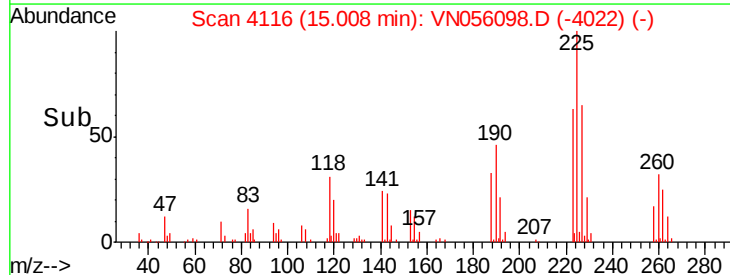
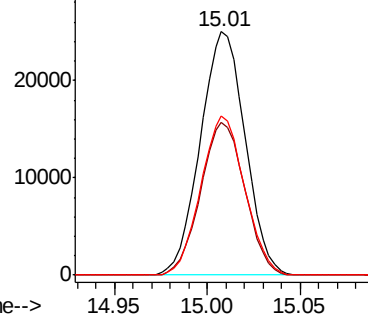


#94
 Hexachlorobutadiene
 Concen: 21.114 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion:225 Resp: 42029
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.9 92.7
 227 63.4 31.6 94.7



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: 20.041 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

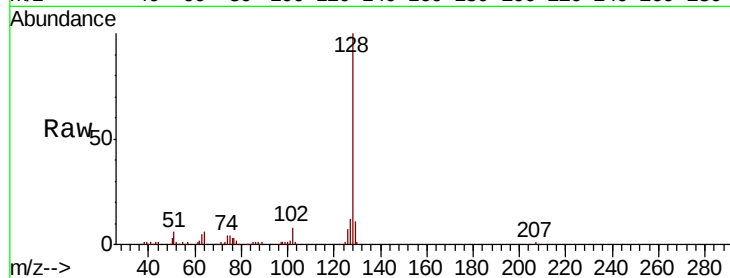
Tot Ion:128 Resp: 137692

Ion Ratio Lower Upper

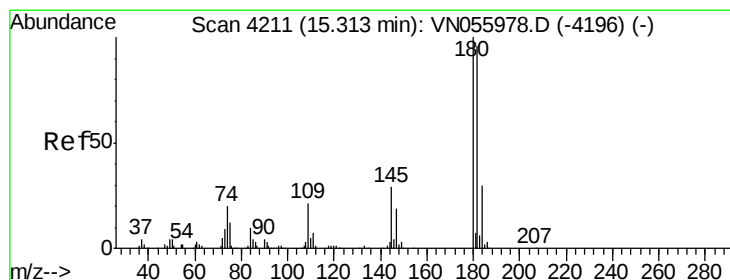
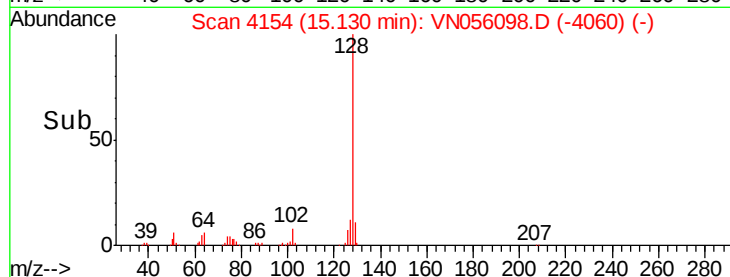
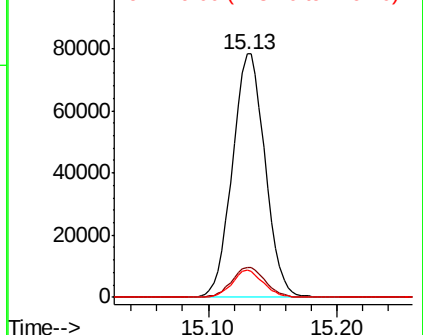
128 100

127 12.8 10.3 15.5

129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.588 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

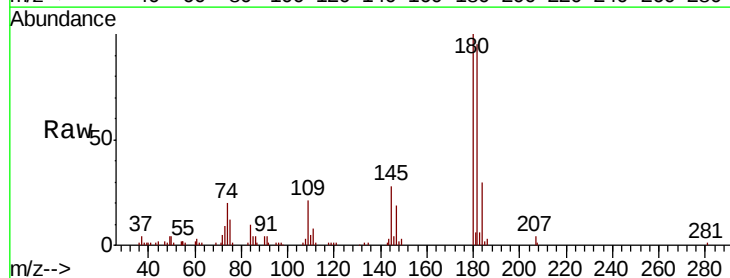
Tgt Ion:180 Resp: 57628

Ion Ratio Lower Upper

180 100

182 94.0 47.9 143.7

145 28.7 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

