

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055603.D
 Acq On : 17 May 2019 11:26
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 17 23:23:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:16:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	321196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	491976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	444444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	219872	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	513831	154.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.88%	
35) Dibromofluoromethane	7.59	113	456246	141.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.48%	
50) Toluene-d8	10.09	98	1768525	152.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.56%	
62) 4-Bromofluorobenzene	12.40	95	648733	169.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	338.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	339182	125.176	ug/l	99
3) Chloromethane	2.06	50	463819	136.981	ug/l	99
4) Vinyl Chloride	2.18	62	499997	136.419	ug/l	98
5) Bromomethane	2.60	94	15578	5.869	ug/l	97
6) Chloroethane	2.69	64	290004	123.776	ug/l	99
7) Trichlorofluoromethane	3.02	101	645707	124.614	ug/l	99
8) Diethyl Ether	3.41	74	268250	143.145	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	396191	125.877	ug/l	99
10) Methyl Iodide	3.95	142	606189	132.360	ug/l	100
11) Tert butyl alcohol	4.77	59	478734	1601.131	ug/l	99
12) 1,1-Dichloroethene	3.74	96	408103	137.599	ug/l	98
13) Acrolein	3.60	56	253614	1509.088	ug/l	100
14) Allyl chloride	4.32	41	700320	153.932	ug/l	99
15) Acrylonitrile	4.98	53	1127655	1023.952	ug/l	100
16) Acetone	3.81	43	996817	1000.000	ug/l	100
17) Carbon Disulfide	4.06	76	1163119	128.736	ug/l	100
18) Methyl Acetate	4.32	43	455570	197.405	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1394993	177.875	ug/l	99
20) Methylene Chloride	4.55	84	461124	137.256	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	446957	143.638	ug/l	99
22) Diisopropyl ether	5.95	45	1378570	162.891	ug/l	96
23) Vinyl Acetate	5.89	43	5980998	948.225	ug/l	100
24) 1,1-Dichloroethane	5.85	63	788947	139.314	ug/l	100
25) 2-Butanone	6.83	43	1523941	1165.506	ug/l	100
26) 2,2-Dichloropropane	6.82	77	672558	153.413	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	519253	148.365	ug/l	100
28) Bromochloromethane	7.20	49	343980	139.104	ug/l	98
29) Tetrahydrofuran	7.21	42	978642	1161.659	ug/l	100
30) Chloroform	7.37	83	797466	140.181	ug/l	100
31) Cyclohexane	7.65	56	728379	123.693	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	712971	145.577	ug/l	100
36) 1,1-Dichloropropene	7.79	75	622523	138.444	ug/l	100
37) Ethyl Acetate	6.93	43	598935	217.863	ug/l	99
38) Carbon Tetrachloride	7.78	117	644718	133.501	ug/l	99

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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	758827	147.221	ug/l	99
40) Benzene	8.04	78	1856358	140.523	ug/l	100
41) Methacrylonitrile	7.20	41	873467	621.566	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	611499	151.890	ug/l	100
43) Isopropyl Acetate	8.16	43	1039656	199.869	ug/l	100
44) Trichloroethene	8.84	130	529098	142.884	ug/l	98
45) 1,2-Dichloropropane	9.12	63	489525	144.315	ug/l	99
46) Dibromomethane	9.21	93	326902	157.819	ug/l	99
47) Bromodichloromethane	9.40	83	661931	152.257	ug/l	99
48) Methyl methacrylate	9.20	41	488479	218.144	ug/l	100
49) 1,4-Dioxane	9.20	88	184352	5078.892	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3068406	1237.376	ug/l	100
52) Toluene	10.16	92	1195232	153.058	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	777311	181.226	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	827172	167.208	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	474241	162.643	ug/l	99
56) Ethyl methacrylate	10.43	69	782324	224.382	ug/l	99
57) 1,3-Dichloropropane	10.71	76	790124	163.601	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1781960	1160.600	ug/l	99
59) 2-Hexanone	10.75	43	2287176	1342.043	ug/l	99
60) Dibromochloromethane	10.90	129	569427	168.506	ug/l	100
61) 1,2-Dibromoethane	11.01	107	510784	175.882	ug/l	100
64) Tetrachloroethene	10.63	164	491880	125.798	ug/l	100
65) Chlorobenzene	11.43	112	1307524	140.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	508450	148.852	ug/l	100
67) Ethyl Benzene	11.51	91	2310296	152.740	ug/l	100
68) m/p-Xylenes	11.62	106	1765164	303.369	ug/l	100
69) o-Xylene	11.95	106	851438	151.687	ug/l	99
70) Styrene	11.96	104	1515321	170.425	ug/l	99
71) Bromoform	12.13	173	468453	185.711	ug/l #	100
73) Isopropylbenzene	12.25	105	2221336	142.611	ug/l	100
74) N-amyl acetate	12.07	43	922119	231.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	700397	180.074	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	904596	267.780	ug/l #	100
77) Bromobenzene	12.53	156	610895	146.747	ug/l	100
78) n-propylbenzene	12.59	91	2557245	147.551	ug/l	100
79) 2-Chlorotoluene	12.67	91	1525529	145.615	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1910032	147.877	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	256461	234.551	ug/l	100
82) 4-Chlorotoluene	12.77	91	1566746	150.335	ug/l	100
83) tert-Butylbenzene	12.99	119	1599467	138.525	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1919981	148.852	ug/l	99
85) sec-Butylbenzene	13.17	105	2125878	137.512	ug/l	100
86) p-Isopropyltoluene	13.29	119	1991326	147.403	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1052269	145.335	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1047424	143.892	ug/l	99
89) n-Butylbenzene	13.61	91	1685000	152.119	ug/l	100
90) Hexachloroethane	13.87	117	377677	143.568	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1010916	142.037	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	139009	226.535	ug/l	98

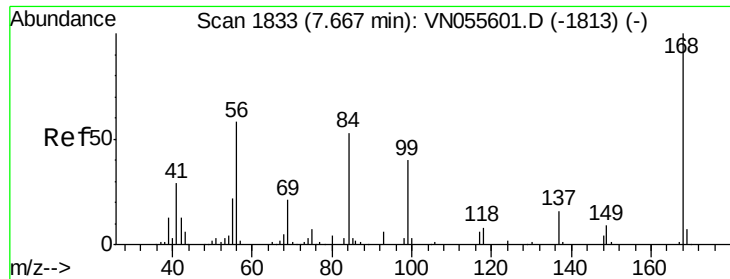
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Quant Title : SW846 8260
QLast Update : Fri May 17 23:16:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	638561	171.666	ug/l	100
94) Hexachlorobutadiene	15.01	225	325654	110.169	ug/l	99
95) Naphthalene	15.13	128	1774481	237.315	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	623988	172.062	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

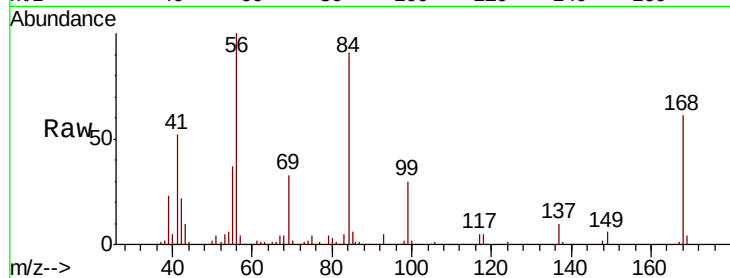
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 321196

Ion Ratio Lower Upper

168 100

99 48.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

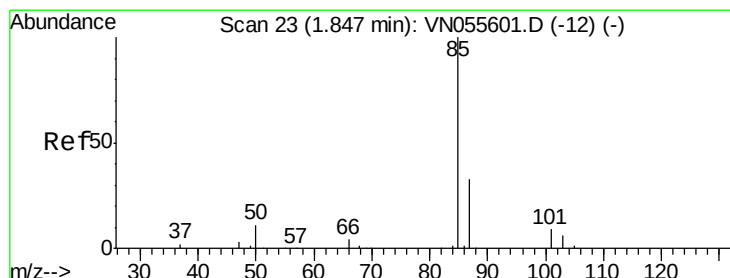
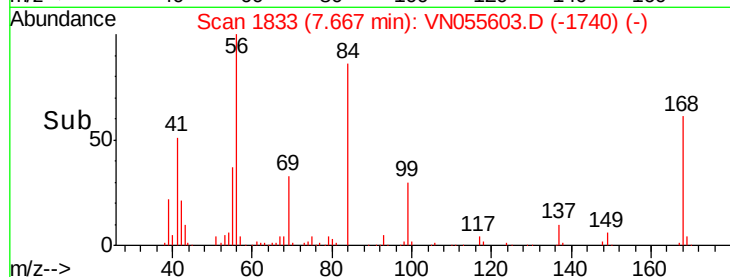
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 125.176 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055603.D

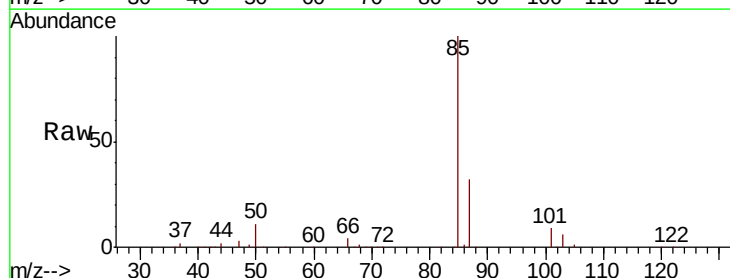
Acq: 17 May 2019 11:26

Tgt Ion: 85 Resp: 339182

Ion Ratio Lower Upper

85 100

87 32.4 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

250000

200000

150000

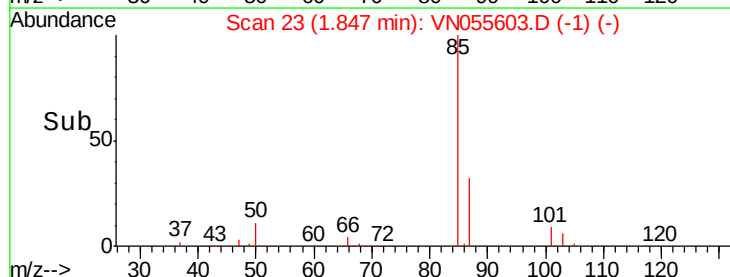
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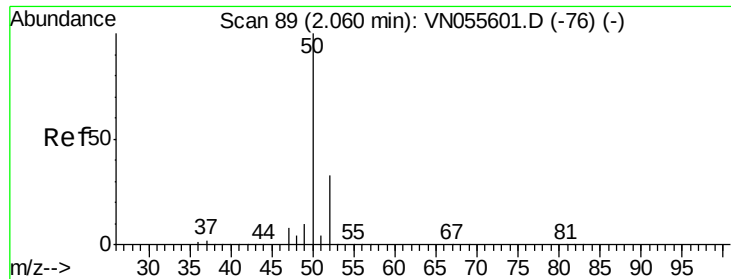
50000

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1.80 1.90 2.00

Time-->

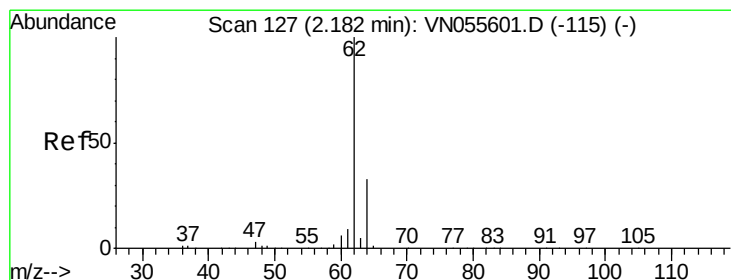
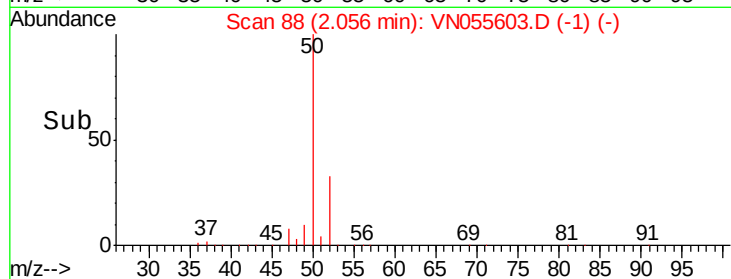
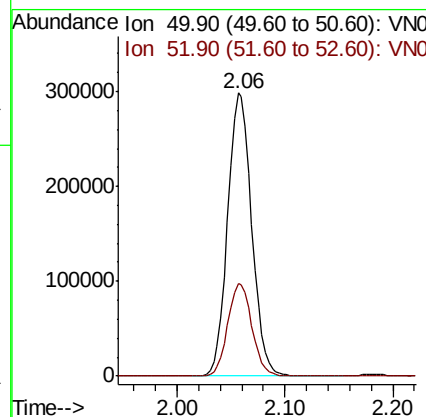
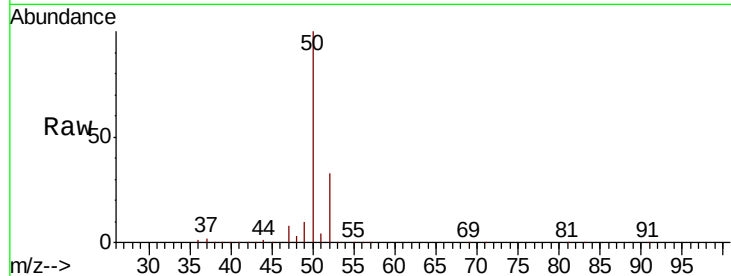




#3
Chloromethane
Concen: 136.981 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

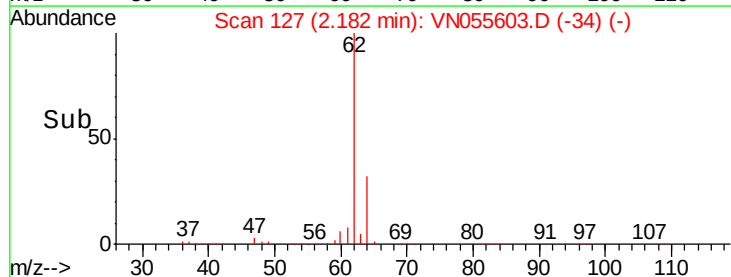
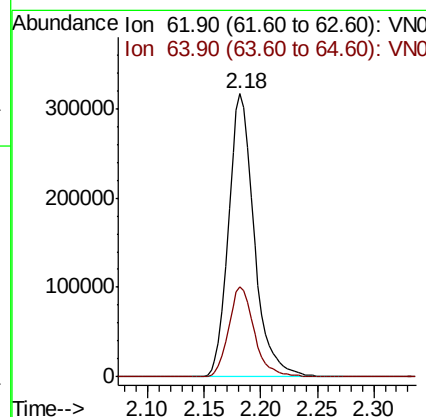
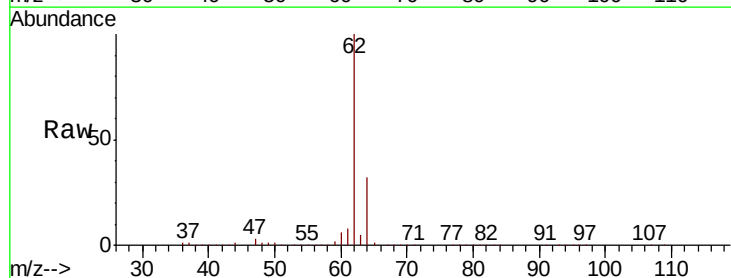
Instrument :
MSVOA_N
ClientSampleId :

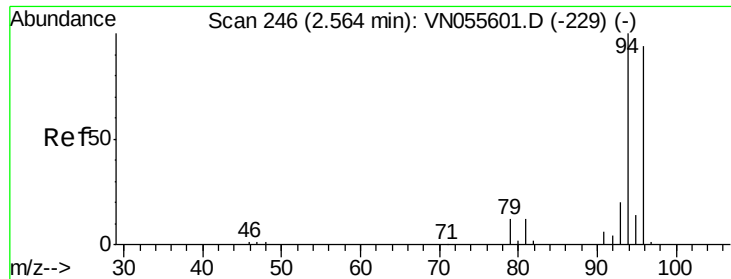
Tot Ion: 50 Resp: 463819
Ion Ratio Lower Upper
50 100
52 32.6 26.7 40.1



#4
Vinyl Chloride
Concen: 136.419 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion: 62 Resp: 499997
Ion Ratio Lower Upper
62 100
64 31.9 26.2 39.4

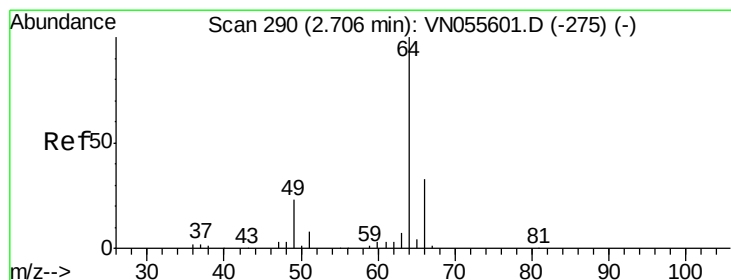
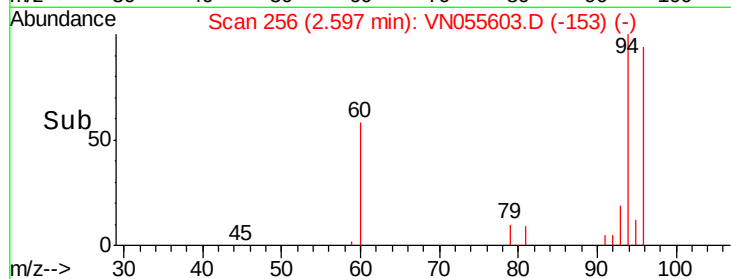
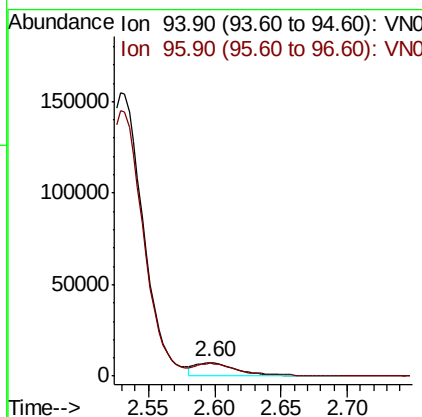
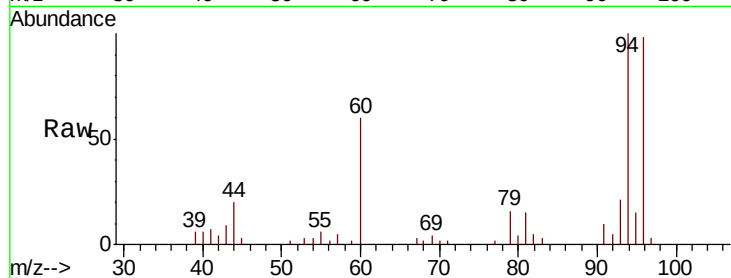




#5
 Bromomethane
 Concen: 5.869 ug/l
 RT: 2.60 min Scan# 256
 Delta R.T. 0.03 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

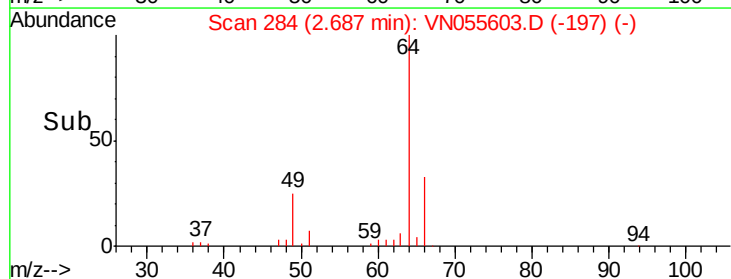
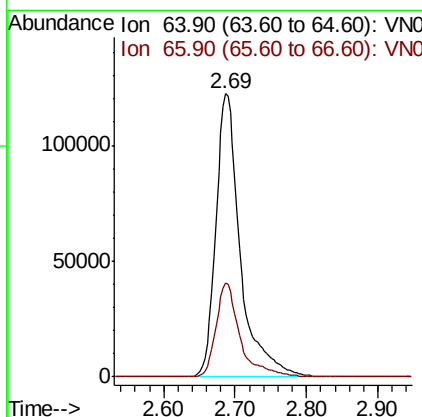
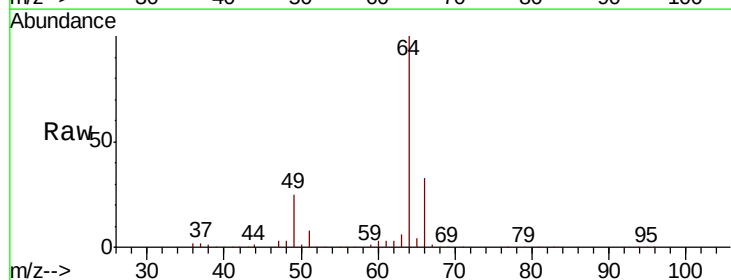
Instrument :
 MSVOA_N
 ClientSampled :

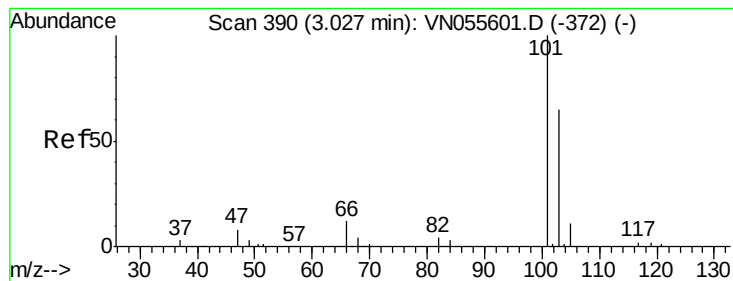
Tot Ion: 94 Resp: 15578
 Ion Ratio Lower Upper
 94 100
 96 96.5 75.2 112.8



#6
 Chloroethane
 Concen: 123.776 ug/l
 RT: 2.69 min Scan# 284
 Delta R.T. -0.02 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

Tgt Ion: 64 Resp: 290004
 Ion Ratio Lower Upper
 64 100
 66 33.1 26.2 39.4



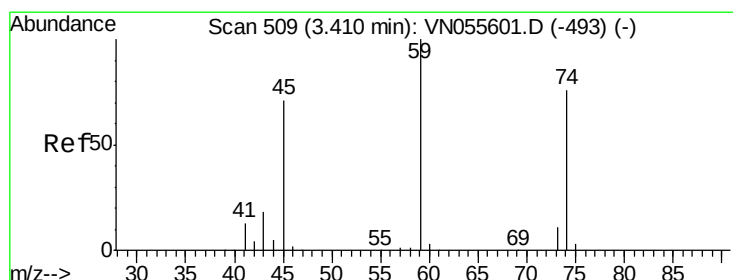
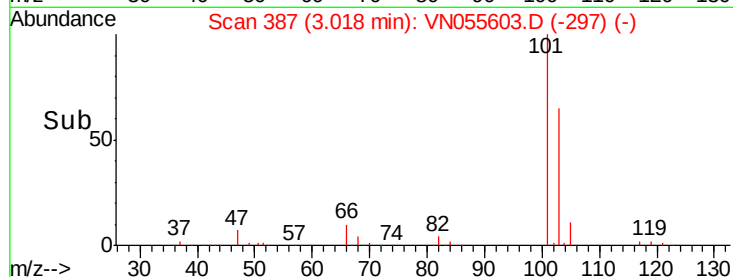
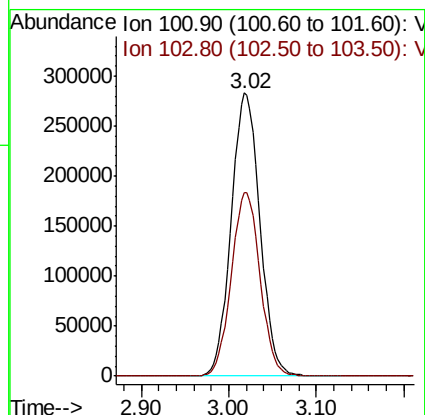
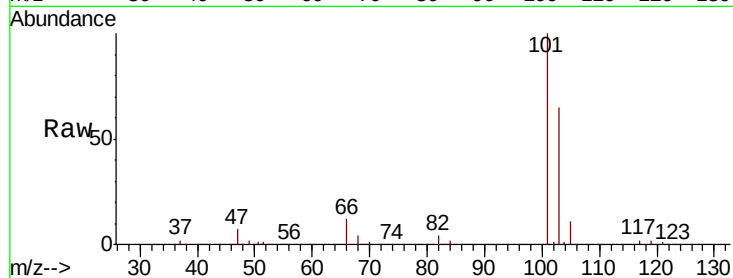


#7

Trichlorofluoromethane
Concen: 124.614 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Instrument :
MSVOA_N
ClientSampled :

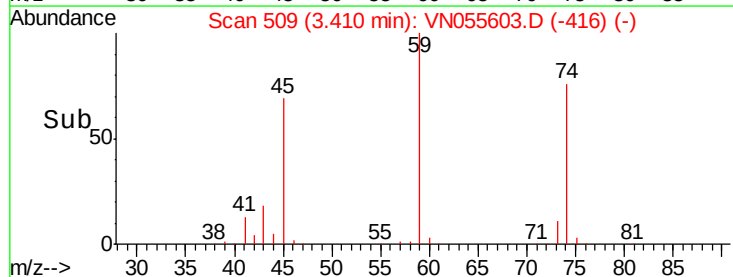
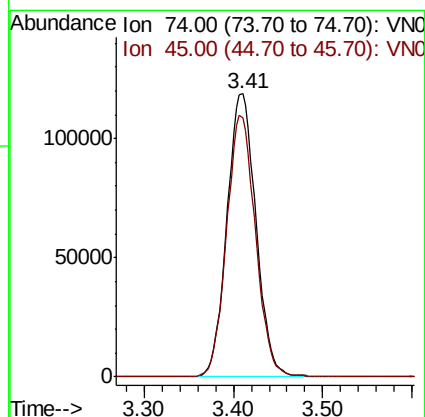
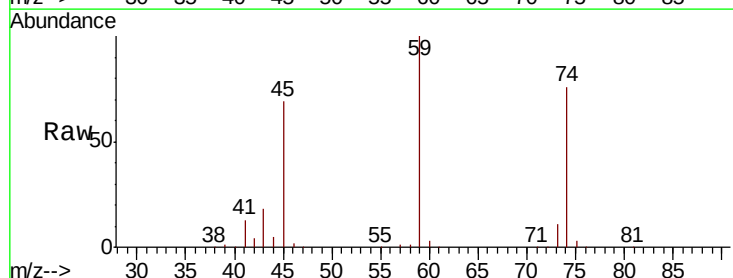
Tot Ion:101 Resp: 645707
Ion Ratio Lower Upper
101 100
103 64.9 52.3 78.5

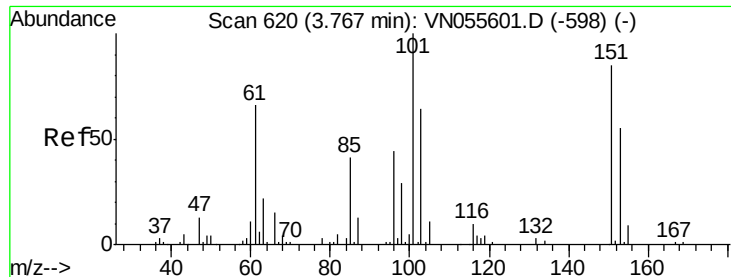


#8

Diethyl Ether
Concen: 143.145 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion: 74 Resp: 268250
Ion Ratio Lower Upper
74 100
45 91.4 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 125.877 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.01 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

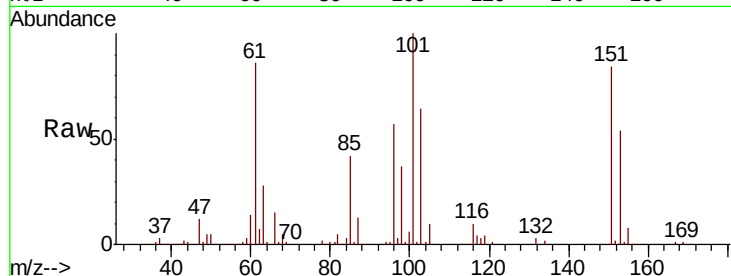
Tot Ion:101 Resp: 396191

Ion Ratio Lower Upper

101 100

85 41.4 33.4 50.0

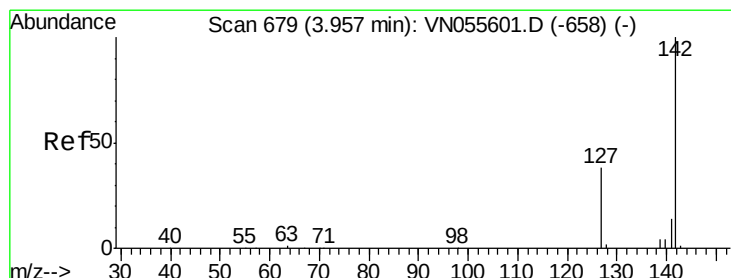
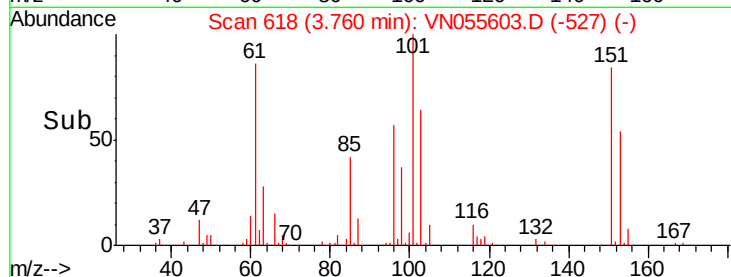
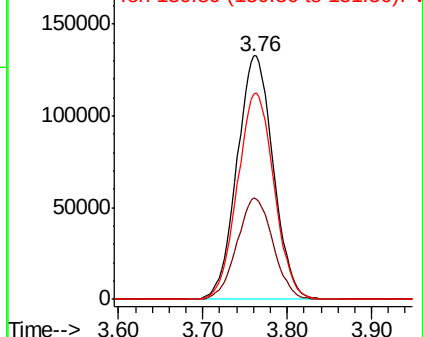
151 85.4 69.3 103.9



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: 132.360 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

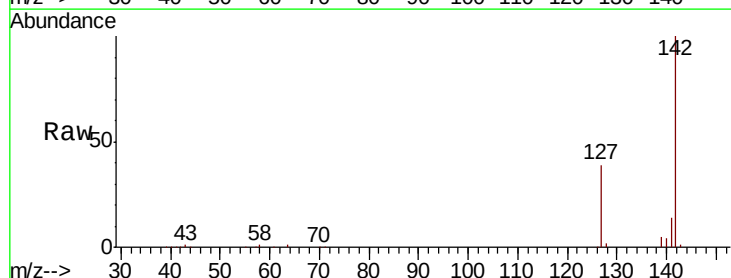
Tgt Ion:142 Resp: 606189

Ion Ratio Lower Upper

142 100

127 38.6 31.0 46.4

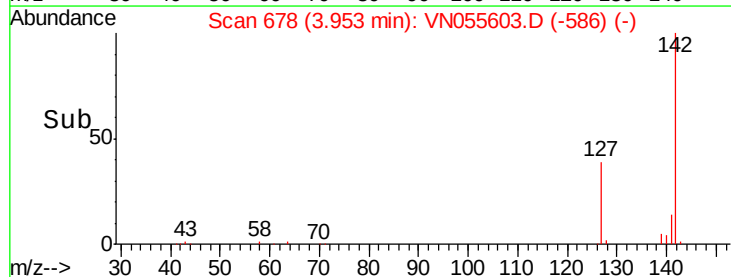
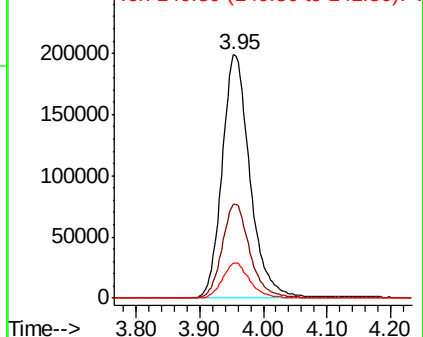
141 14.2 11.5 17.3

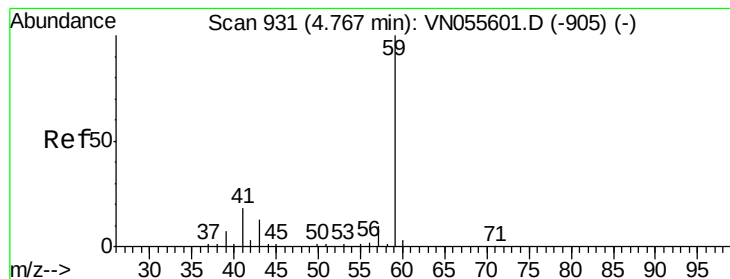


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



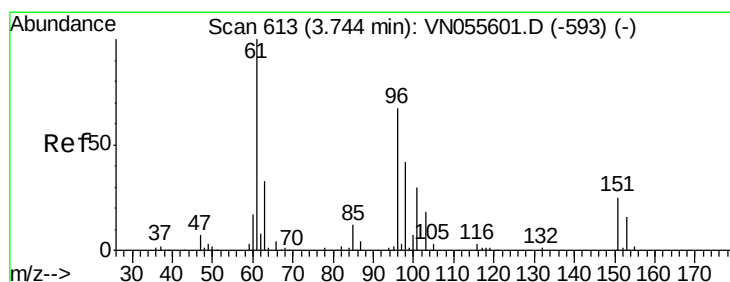
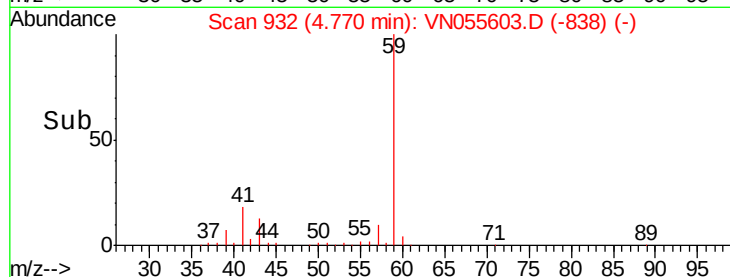
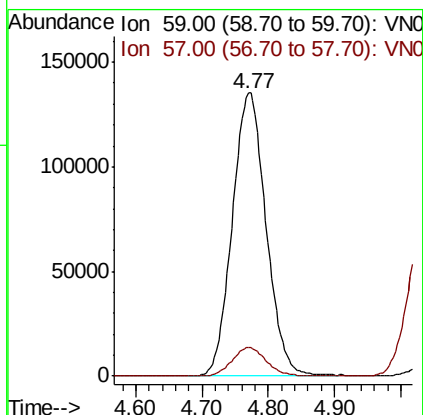
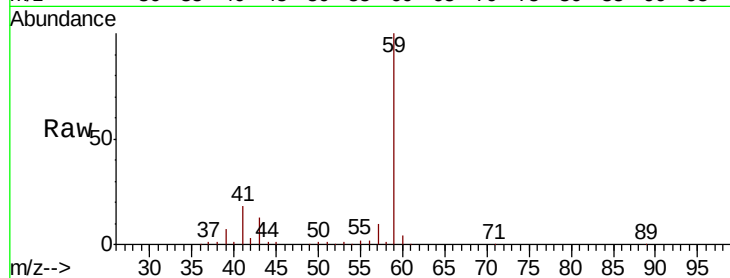


#11

Tert butyl alcohol
 Concen: 1601.131 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

Instrument :
 MSVOA_N
 ClientSampled :

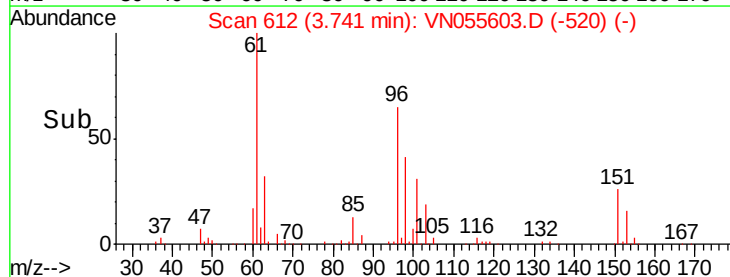
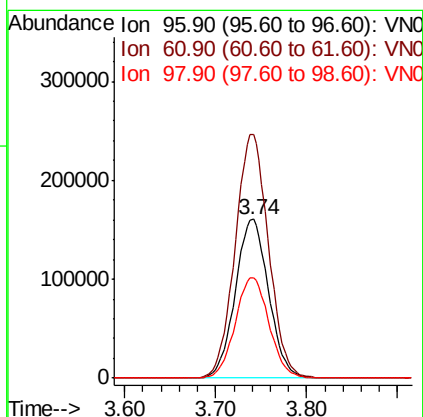
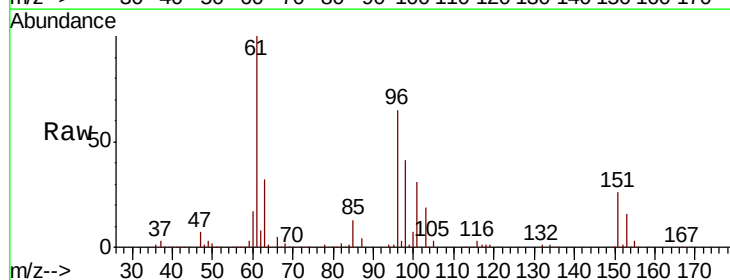
Tot Ion: 59 Resp: 478734
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.8 11.6

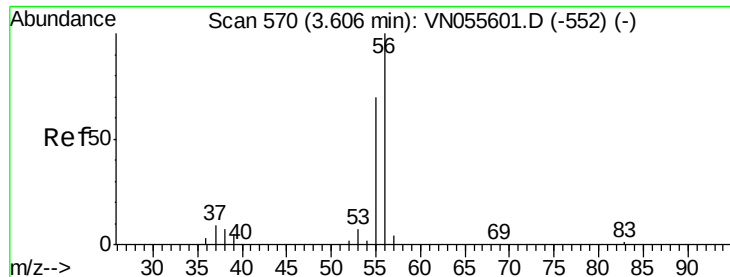


#12

1,1-Dichloroethene
 Concen: 137.599 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

Tgt Ion: 96 Resp: 408103
 Ion Ratio Lower Upper
 96 100
 61 153.6 120.2 180.2
 98 63.6 50.6 75.8





#13

Acrolein

Concen: 1509.088 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

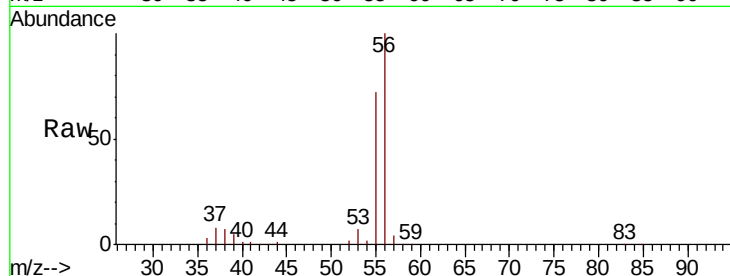
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 253614

Ion Ratio Lower Upper

56 100

55 71.0 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

100000

80000

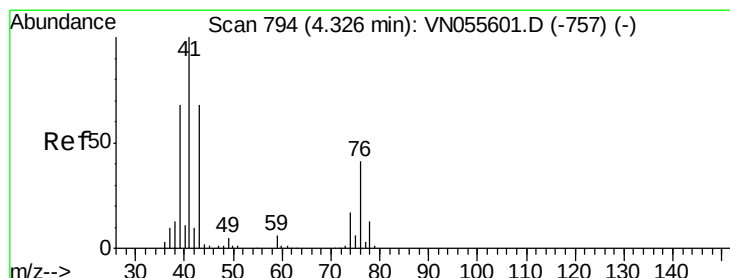
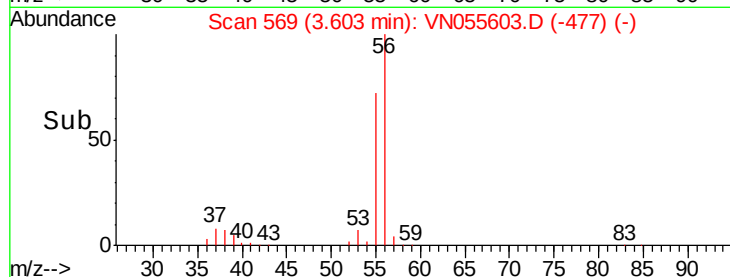
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 153.932 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

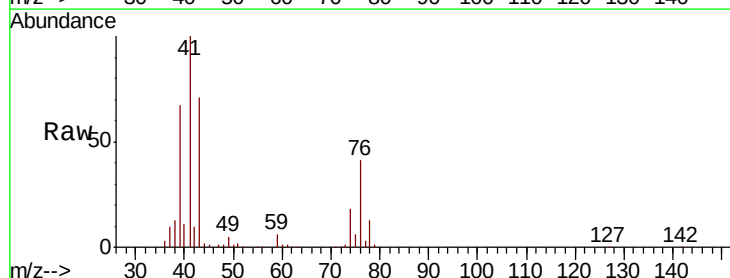
Tgt Ion: 41 Resp: 700320

Ion Ratio Lower Upper

41 100

39 62.0 50.5 75.7

76 36.1 29.2 43.8



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

400000

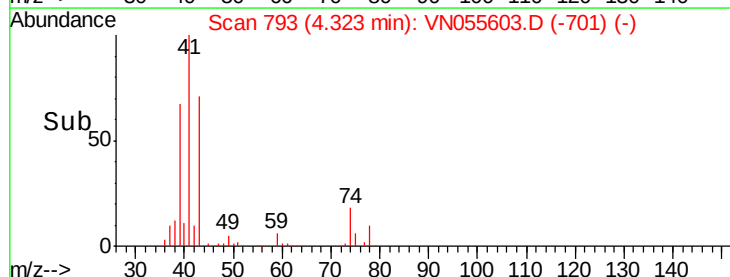
300000

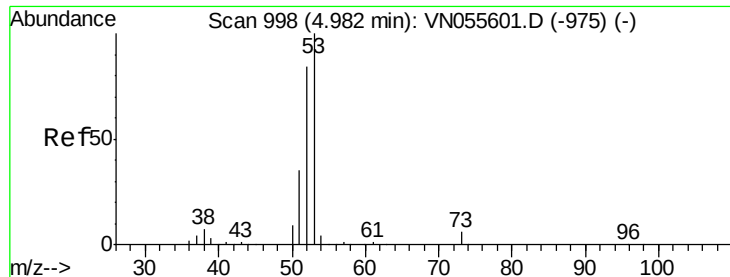
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 1023.952 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

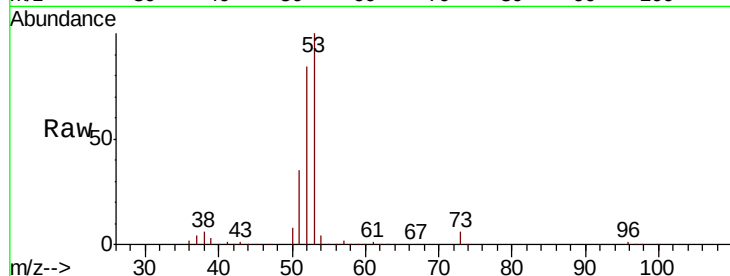
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 1127655

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.4
51	35.8	28.5	42.7

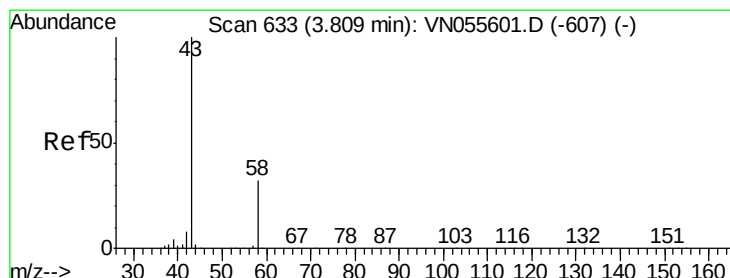
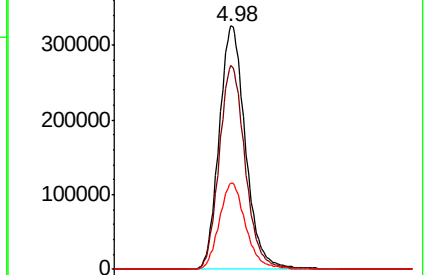
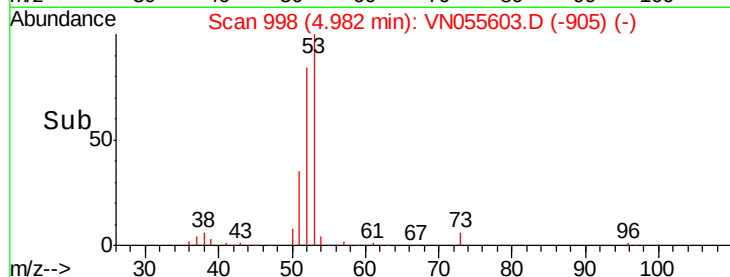


Abundance

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: 1000.000 ug/l

RT: 3.81 min Scan# 634

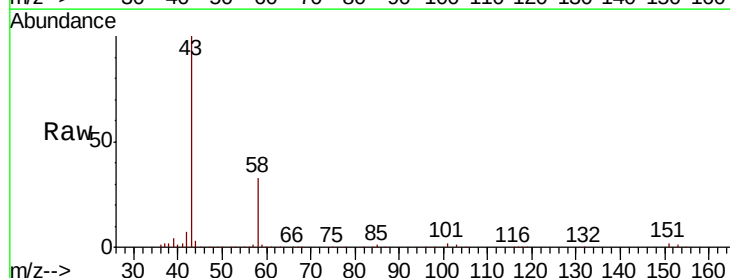
Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Tgt Ion: 43 Resp: 996817

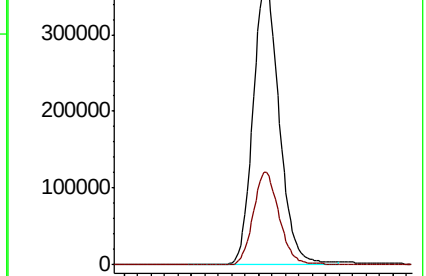
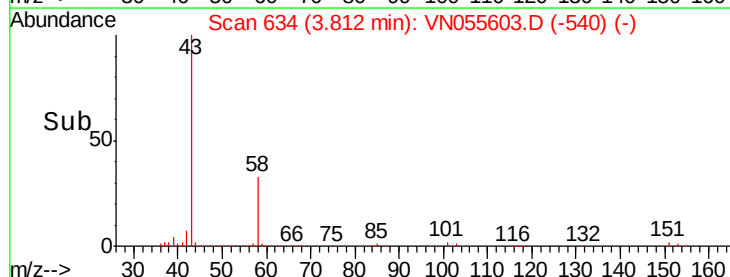
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.0	39.0

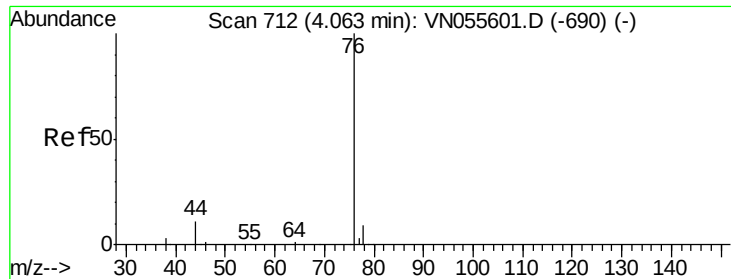


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

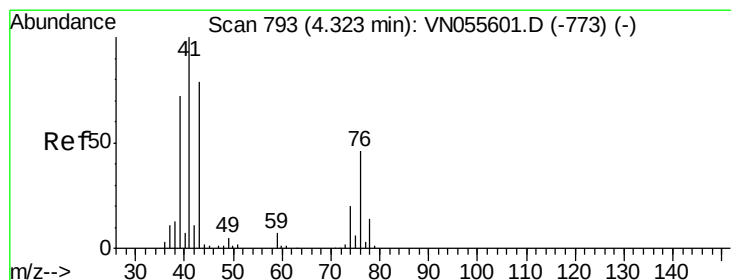
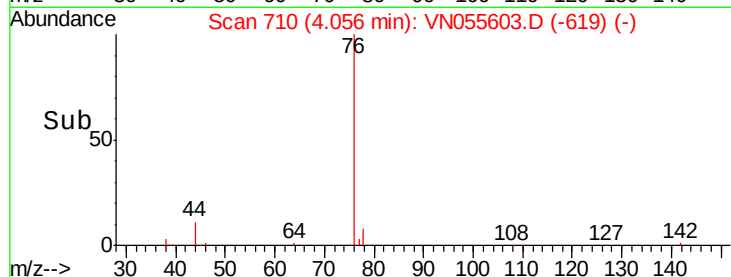
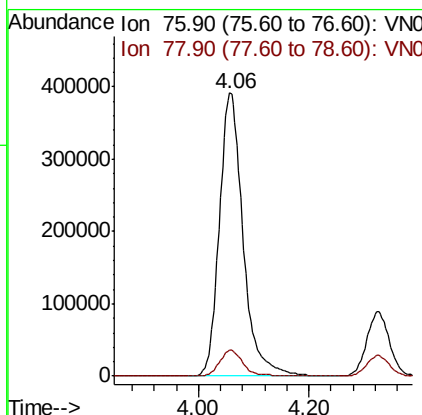
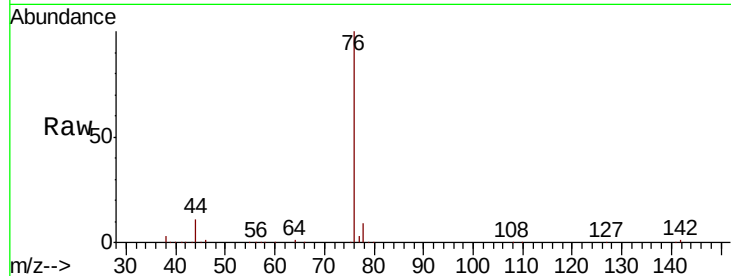




#17
Carbon Disulfide
Concen: 128.736 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.01 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

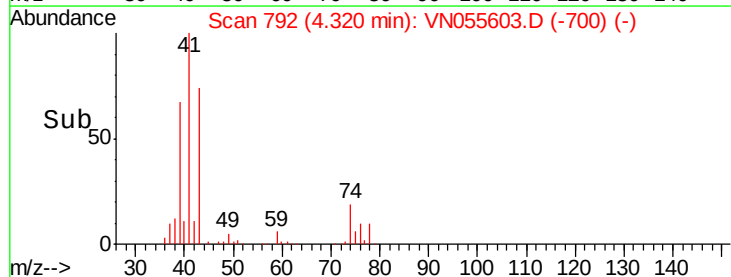
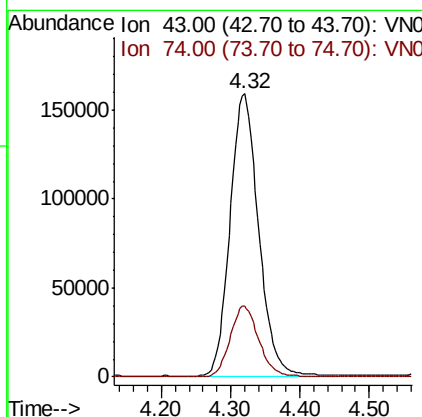
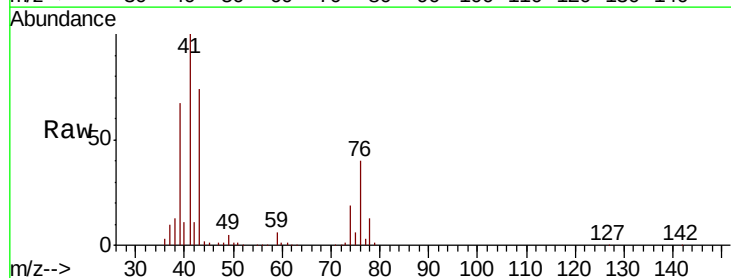
Instrument :
MSVOA_N
ClientSampled :

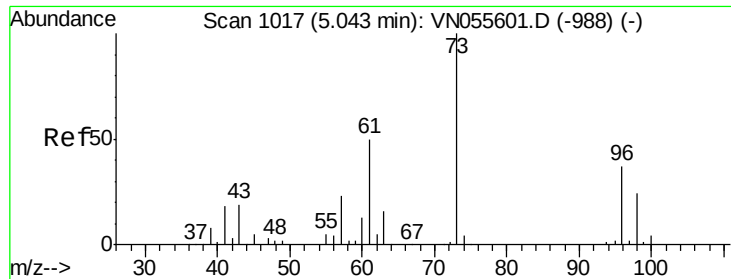
Tot Ion: 76 Resp: 1163119
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 197.405 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion: 43 Resp: 455570
Ion Ratio Lower Upper
43 100
74 25.2 19.9 29.9

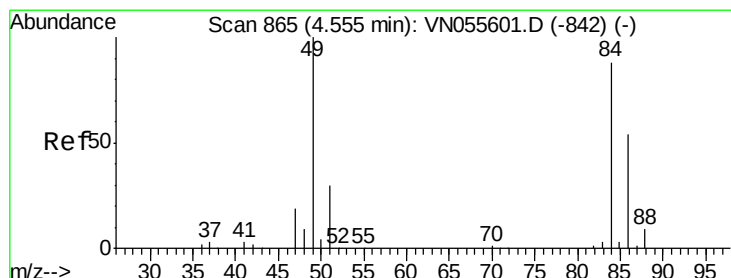
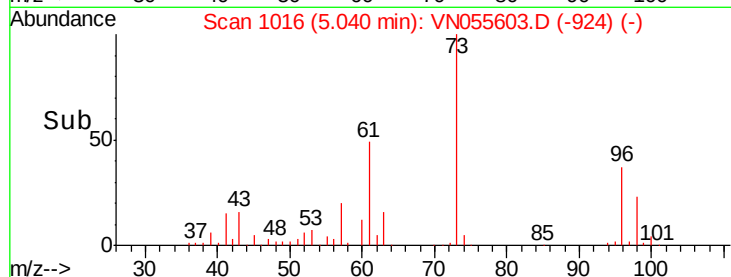
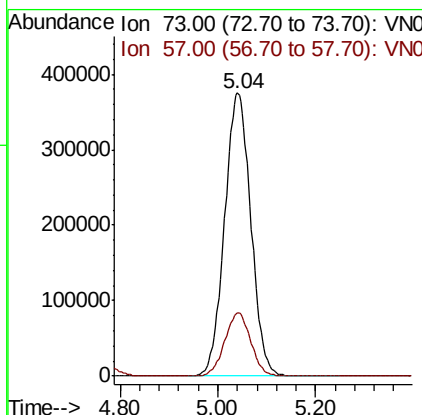
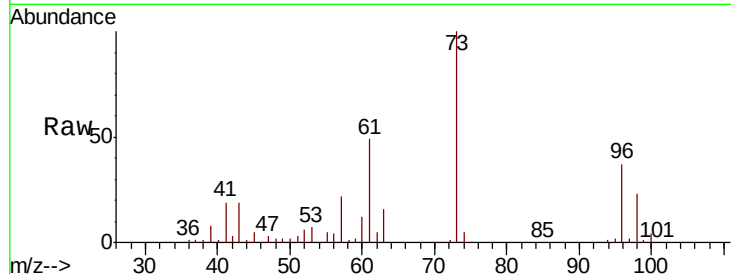




#19
Methyl tert-butyl Ether
Concen: 177.875 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

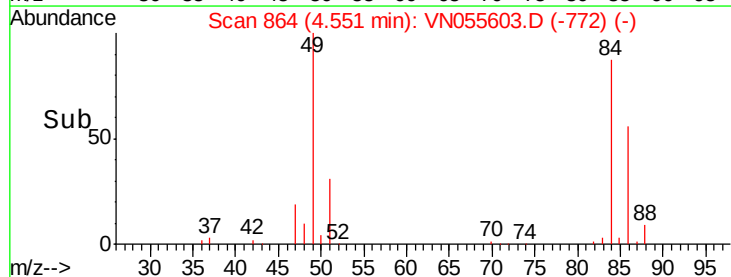
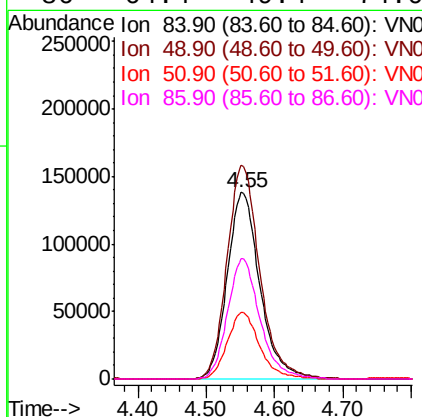
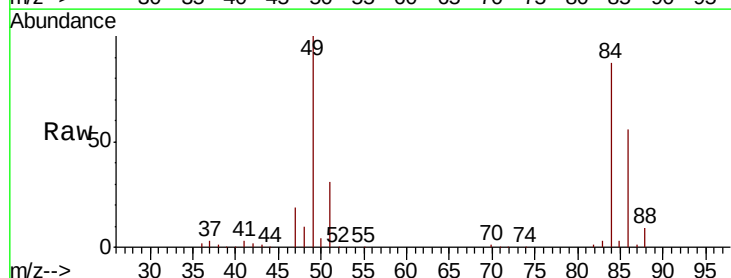
Instrument :
MSVOA_N
ClientSampled :

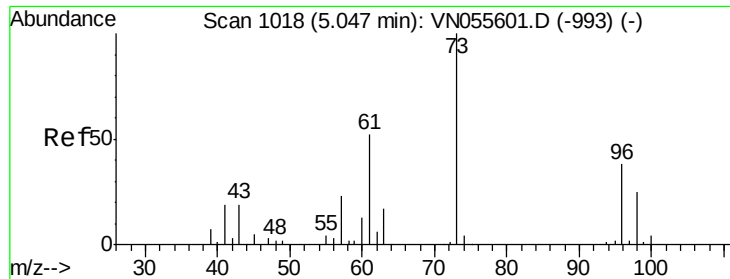
Tot Ion: 73 Resp: 1394993
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.2



#20
Methylene Chloride
Concen: 137.256 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion: 84 Resp: 461124
Ion Ratio Lower Upper
84 100
49 114.6 91.0 136.4
51 36.0 27.5 41.3
86 64.4 49.4 74.0

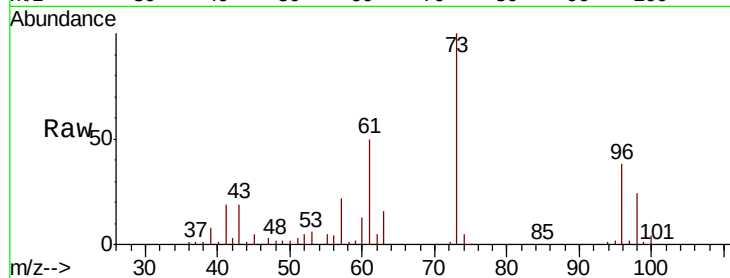




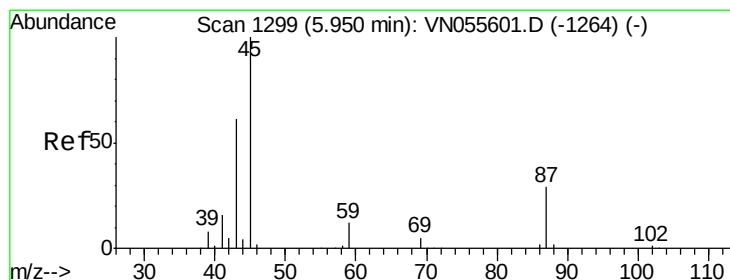
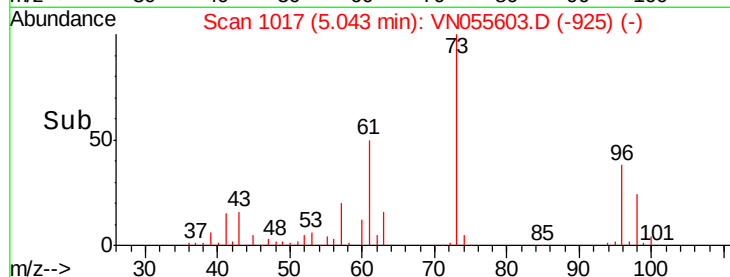
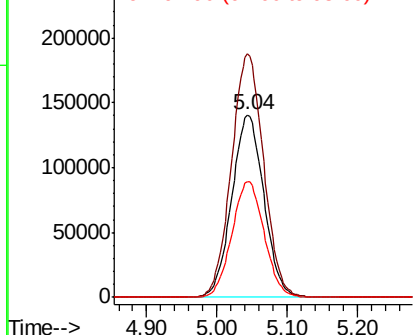
#21
trans-1,2-Dichloroethene
Concen: 143.638 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 446957
Ion Ratio Lower Upper
96 100
61 133.4 108.6 162.8
98 63.7 51.4 77.0

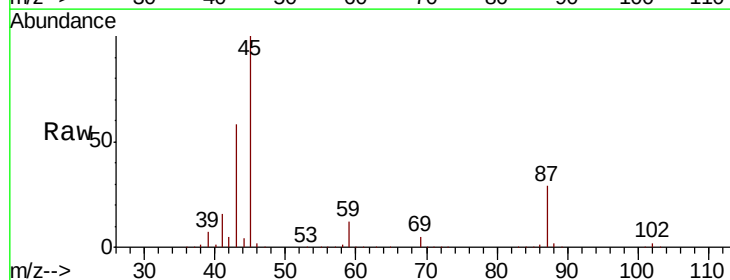


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

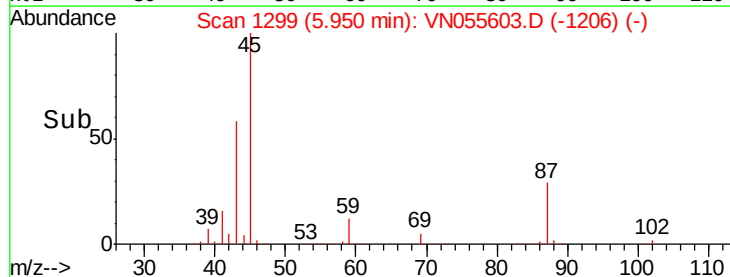
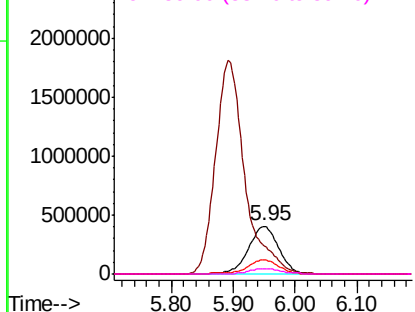


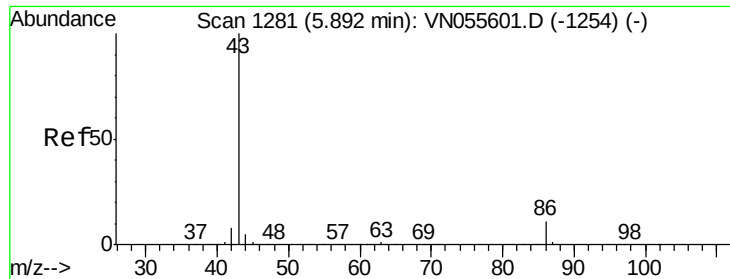
#22
Diisopropyl ether
Concen: 162.891 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion: 45 Resp: 1378570
Ion Ratio Lower Upper
45 100
43 57.6 50.4 75.6
87 29.3 23.8 35.6
59 11.7 9.5 14.3



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





#23

Vinyl Acetate

Concen: 948.225 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

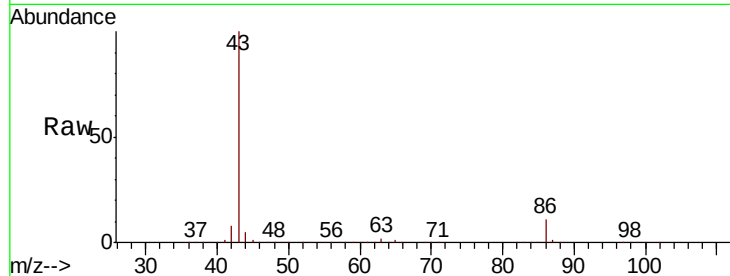
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 5980998

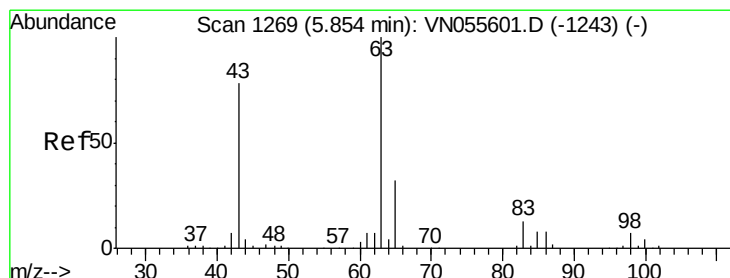
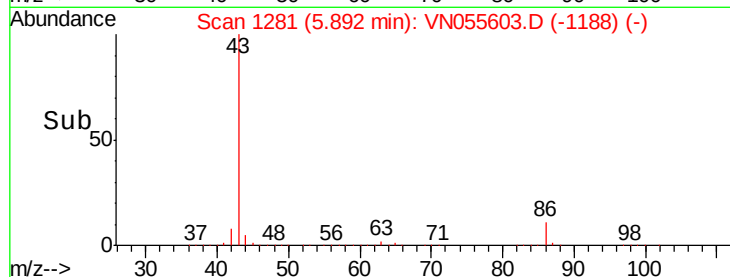
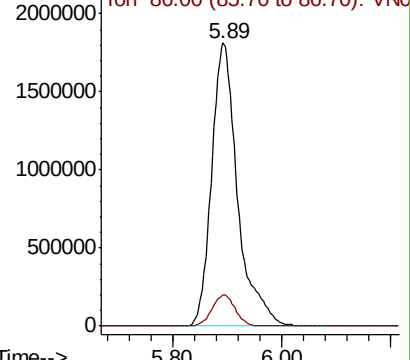
Ion Ratio Lower Upper

43 100

86 11.0 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN055603.D (-1188) (-)



#24

1,1-Dichloroethane

Concen: 139.314 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

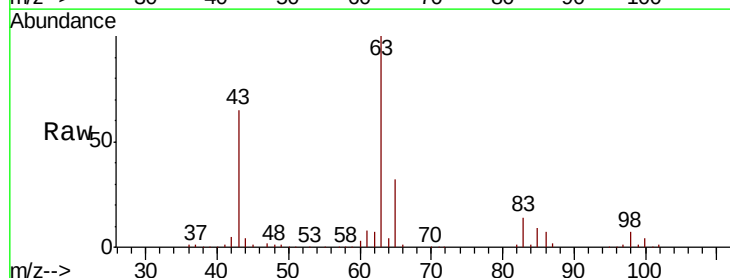
Tgt Ion: 63 Resp: 788947

Ion Ratio Lower Upper

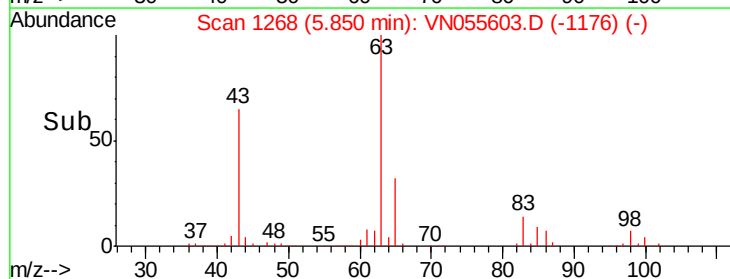
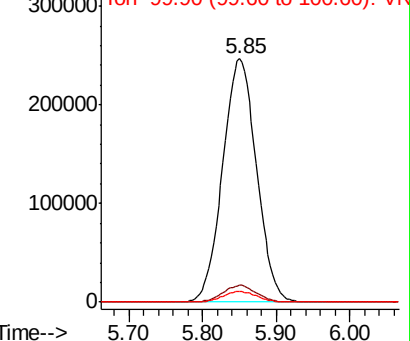
63 100

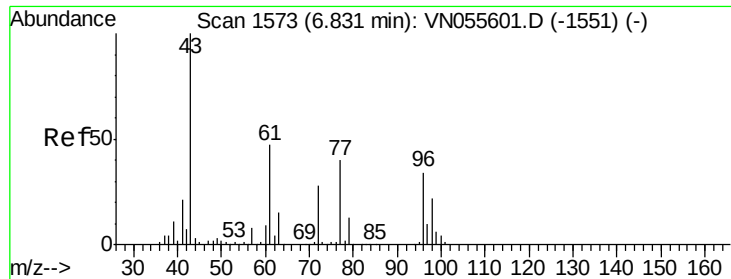
98 6.8 3.4 10.2

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055603.D (-1176) (-)

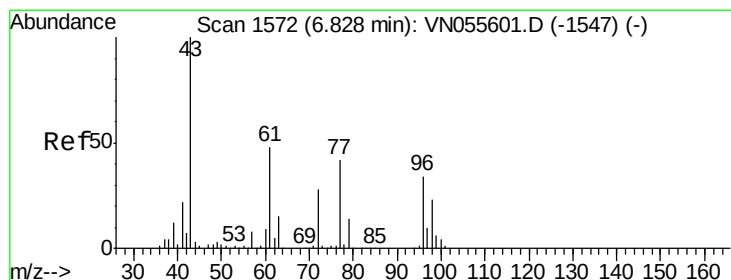
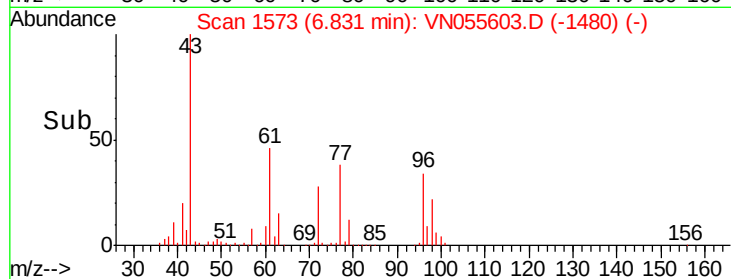
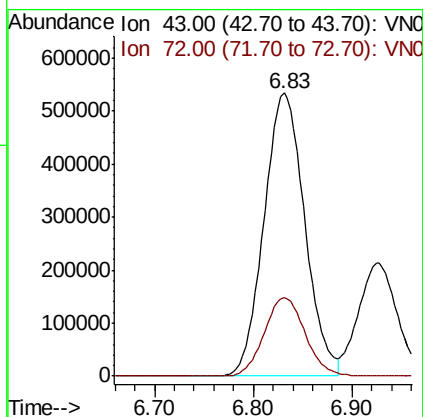
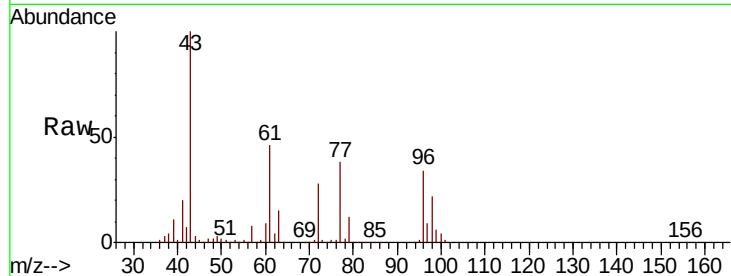




#25
 2-Butanone
 Concen: 1165.506 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

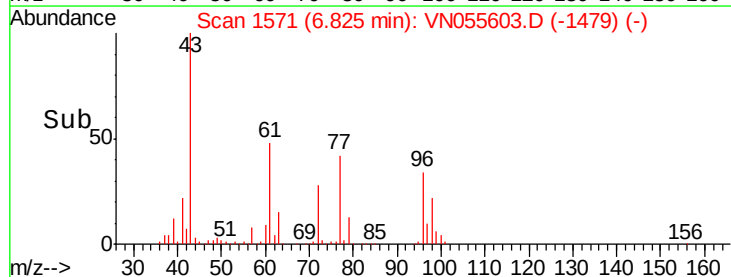
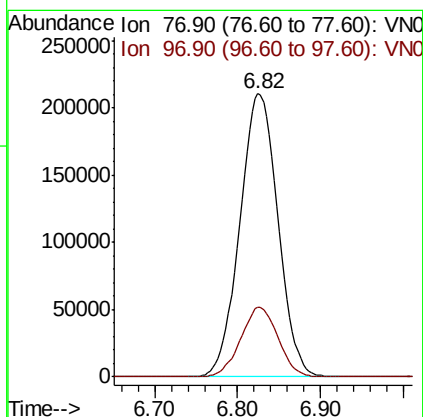
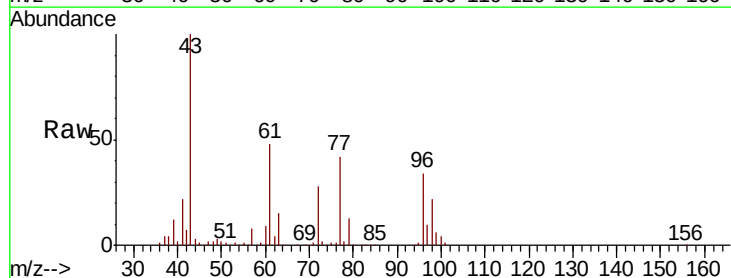
Instrument :
 MSVOA_N
 ClientSampleId :

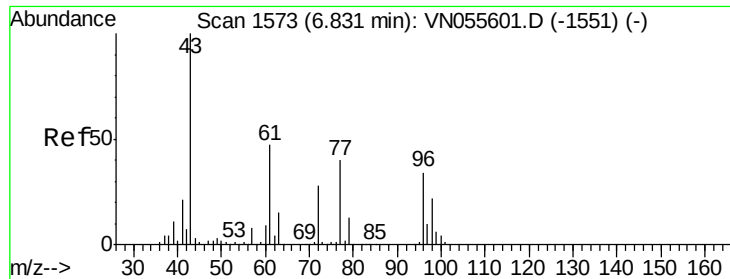
Tot Ion: 43 Resp: 1523941
 Ion Ratio Lower Upper
 43 100
 72 27.8 22.3 33.5



#26
 2,2-Dichloropropane
 Concen: 153.413 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

Tgt Ion: 77 Resp: 672558
 Ion Ratio Lower Upper
 77 100
 97 24.2 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 148.365 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :
MSVOA_N
ClientSampled :

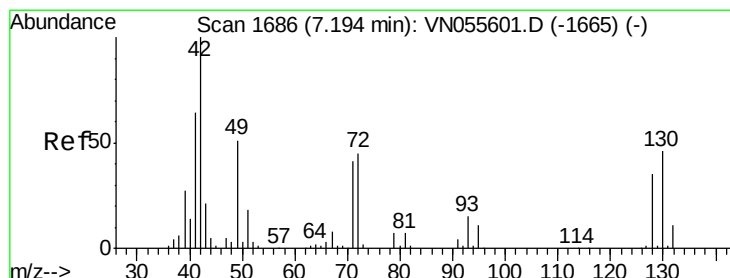
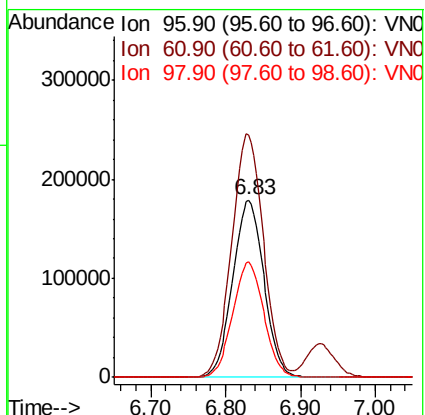
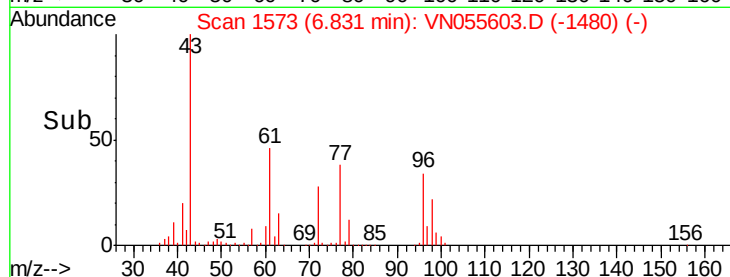
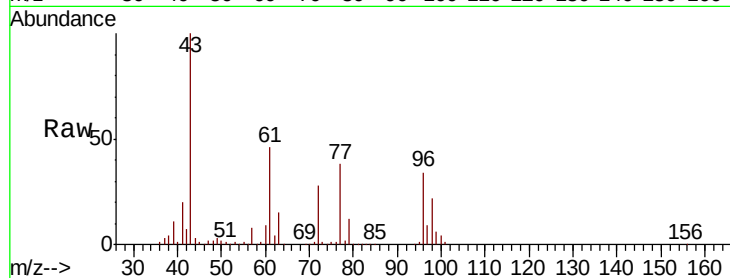
Tot Ion: 96 Resp: 519253

Ion Ratio Lower Upper

96 100

61 139.6 0.0 279.0

98 65.0 0.0 131.6



#28

Bromochloromethane

Concen: 139.104 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

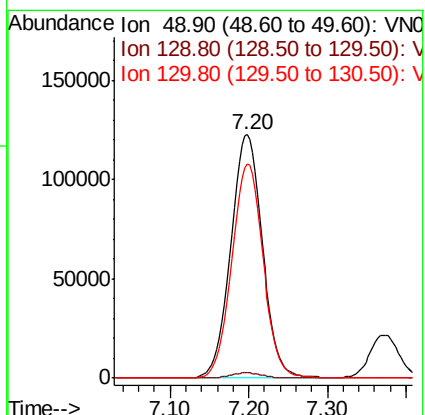
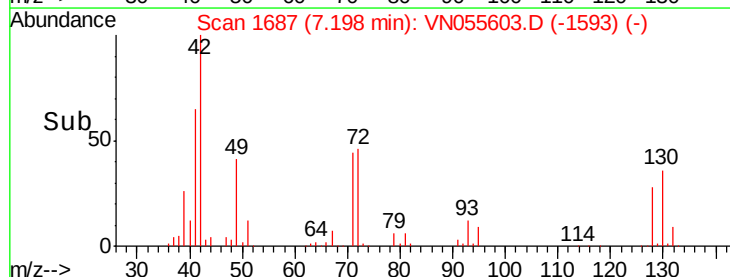
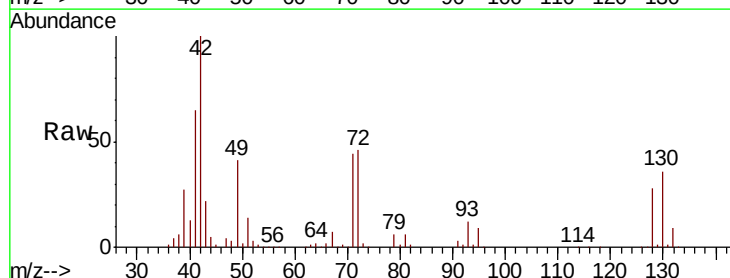
Tgt Ion: 49 Resp: 343980

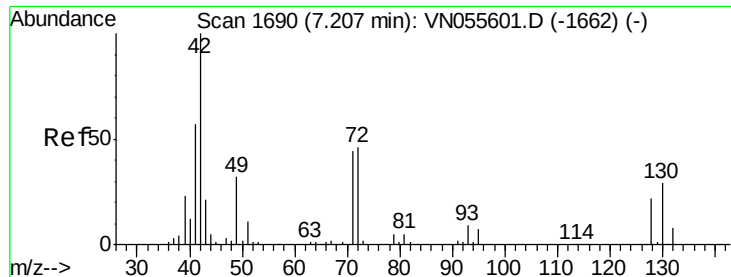
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 87.3 71.0 106.6





#29

Tetrahydrofuran

Concen: 1161.659 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :
MSVOA_N
ClientSampled :

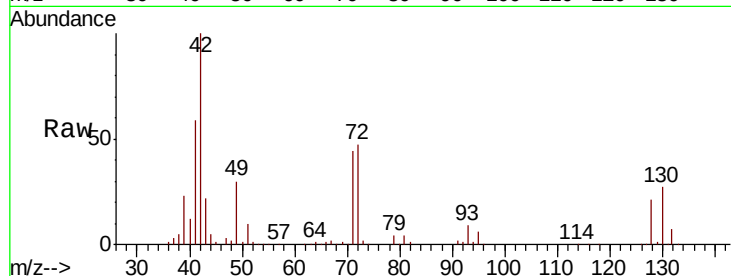
Tot Ion: 42 Resp: 978642

Ion Ratio Lower Upper

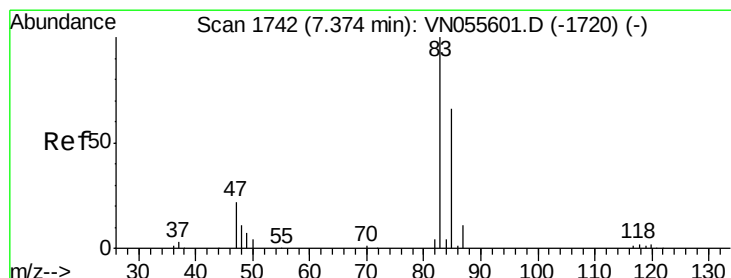
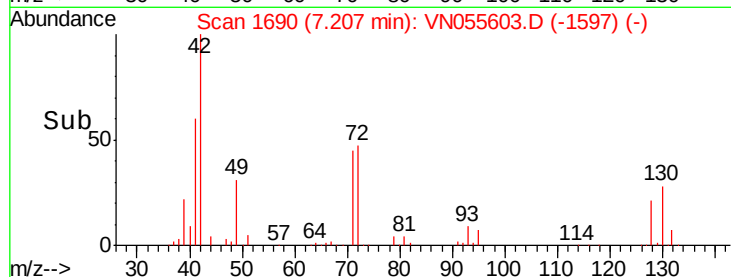
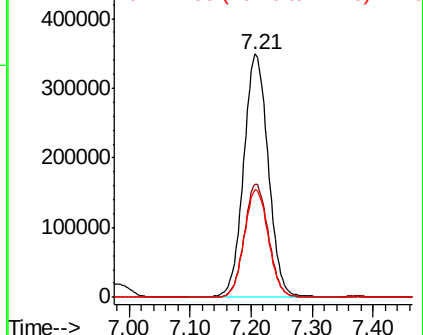
42 100

72 45.7 36.5 54.7

71 43.8 34.9 52.3



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: 140.181 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN055603.D

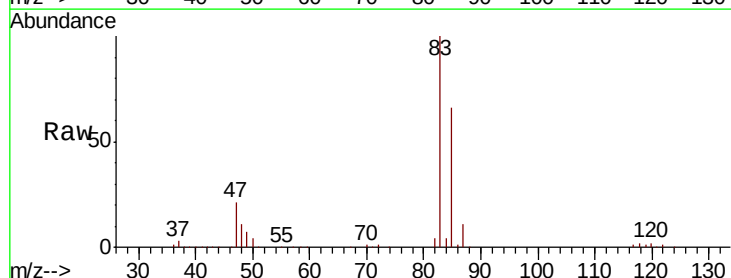
Acq: 17 May 2019 11:26

Tgt Ion: 83 Resp: 797466

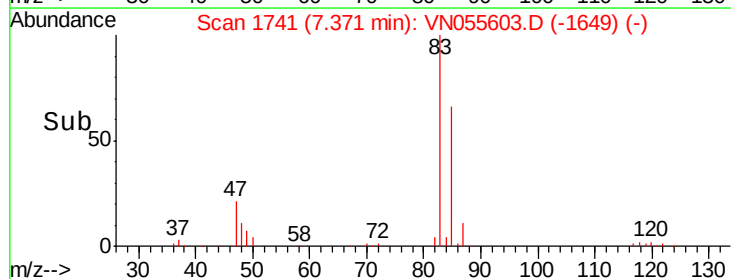
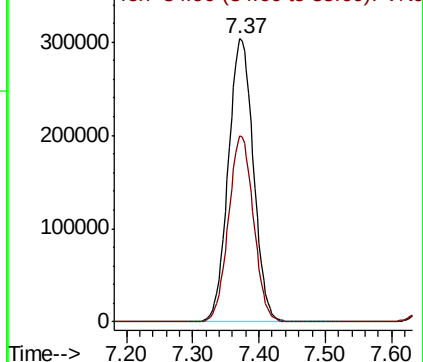
Ion Ratio Lower Upper

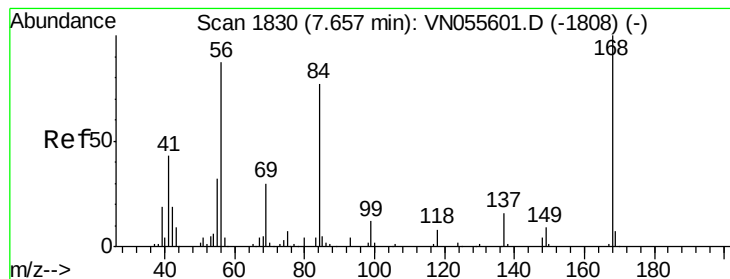
83 100

85 65.8 52.6 78.8



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





#31

Cyclohexane

Concen: 123.693 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

ClientSampled :

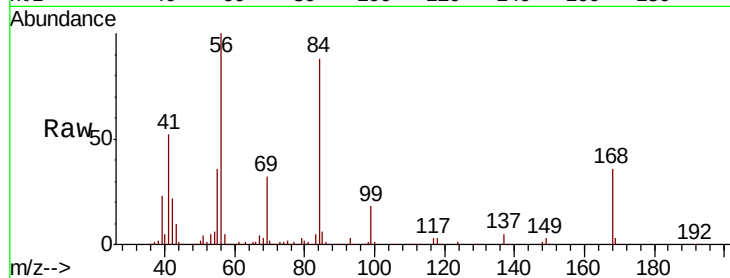
Tot Ion: 56 Resp: 728379

Ion Ratio Lower Upper

56 100

69 31.7 27.2 40.8

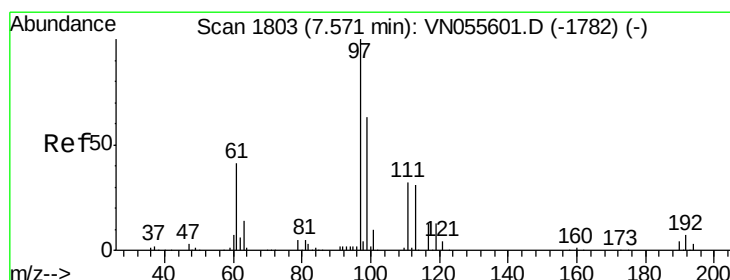
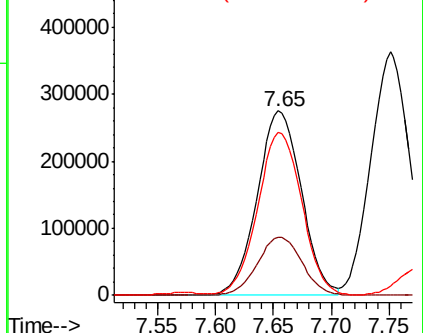
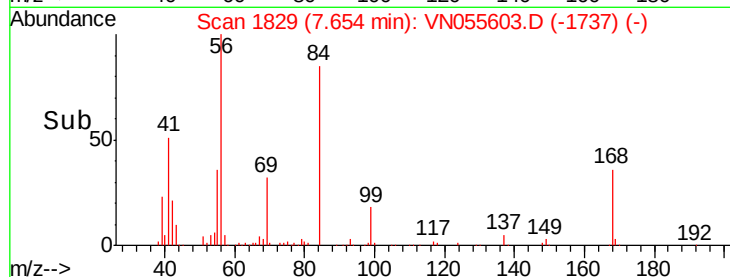
84 86.8 71.3 106.9



Abundance Ion 56.00 (55.70 to 56.70): VN055603.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN055603.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN055603.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 145.577 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

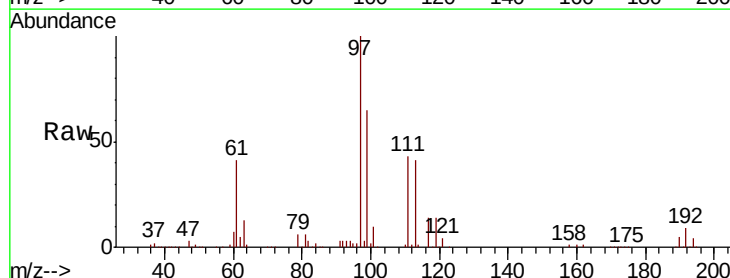
Tgt Ion: 97 Resp: 712971

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.2

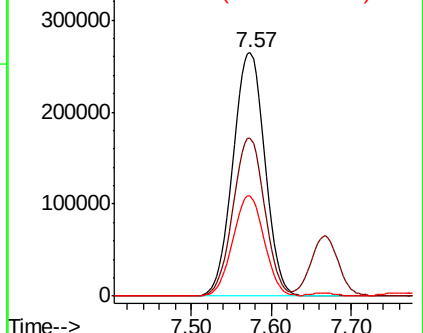
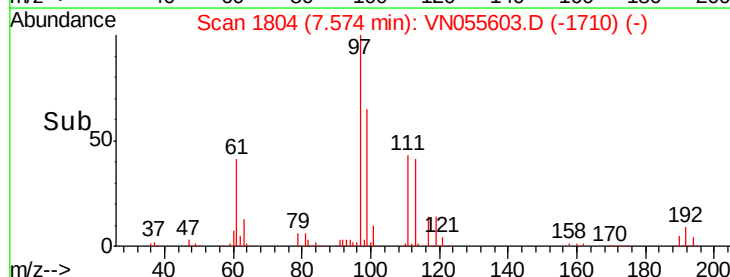
61 40.7 32.9 49.3

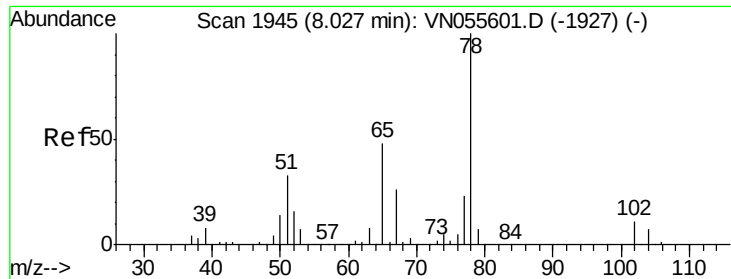


Abundance Ion 96.90 (96.60 to 97.60): VN055603.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN055603.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN055603.D (-1710) (-)

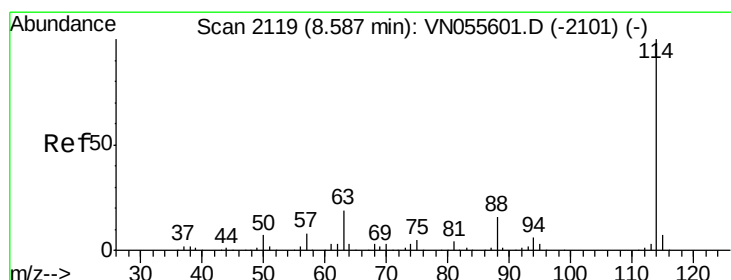
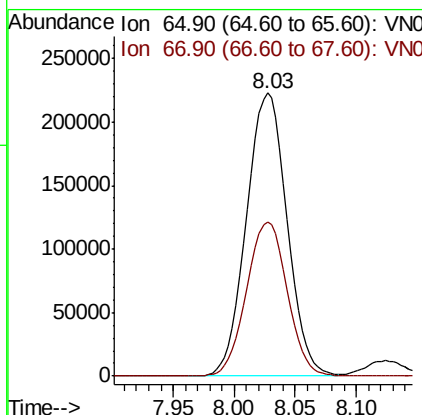
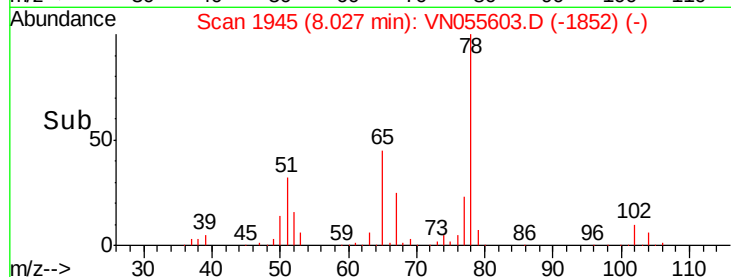
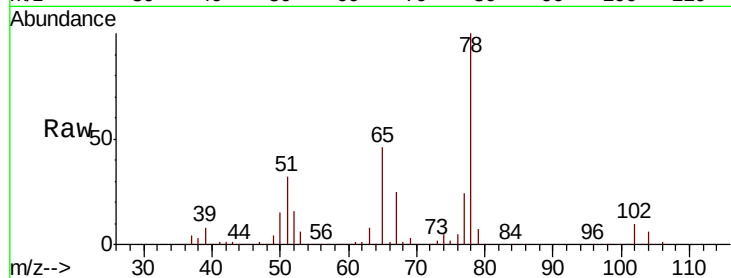




#33
 1,2-Dichloroethane-d4
 Concen: 154.436 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

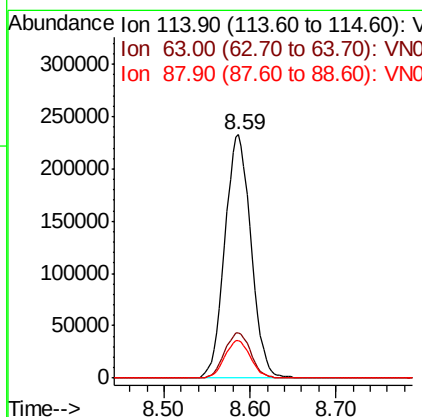
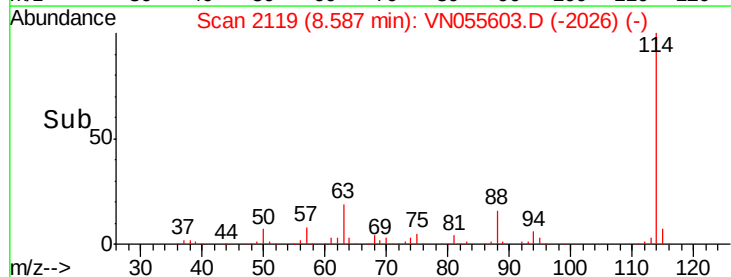
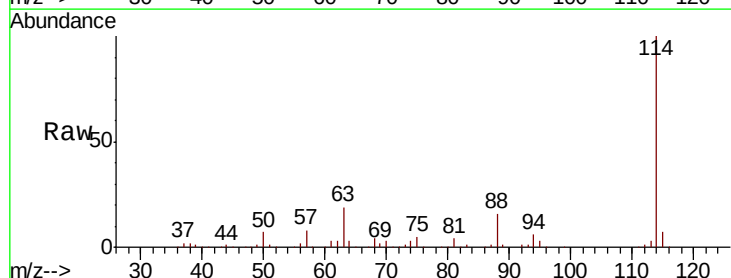
Instrument :
 MSVOA_N
 ClientSampled :

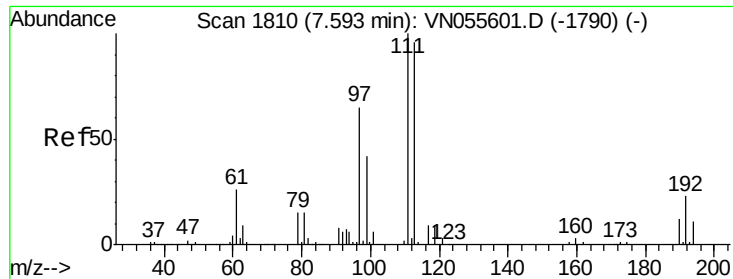
Tot Ion: 65 Resp: 513831
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

Tgt Ion: 114 Resp: 491976
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.2
 88 15.7 0.0 31.0

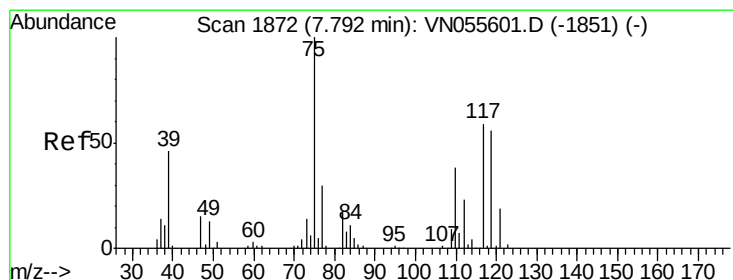
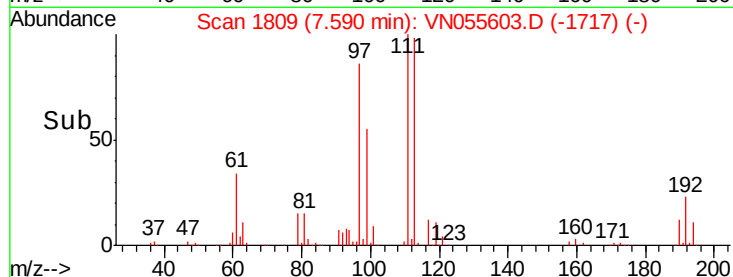
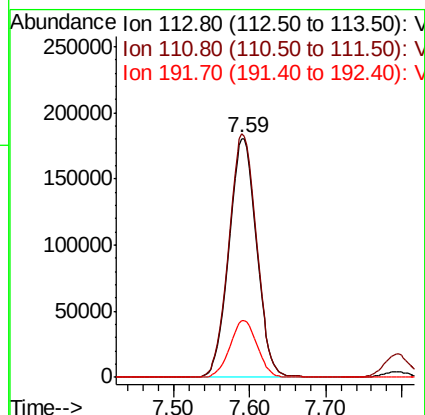
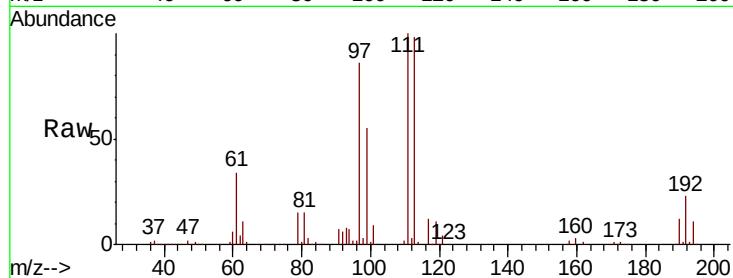




#35
 Dibromofluoromethane
 Concen: 141.237 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

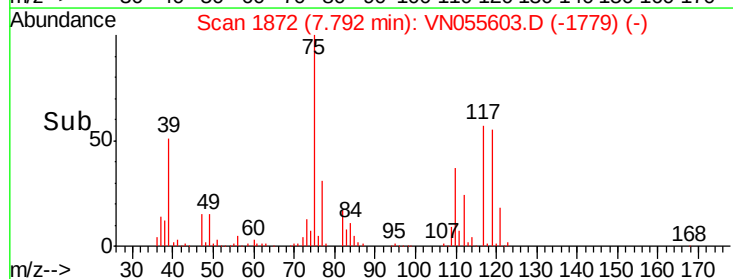
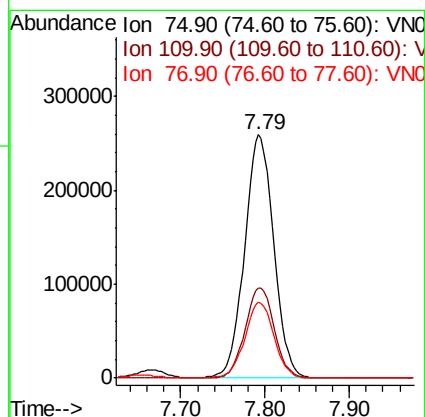
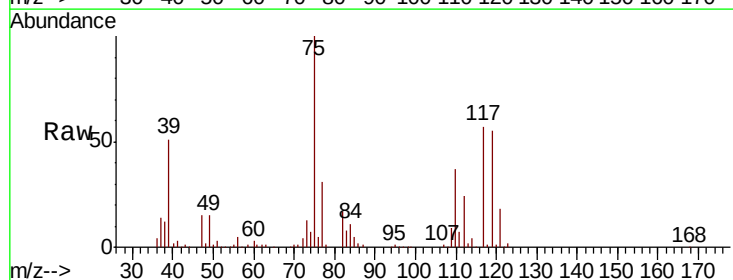
Instrument :
 MSVOA_N
 ClientSampleId :

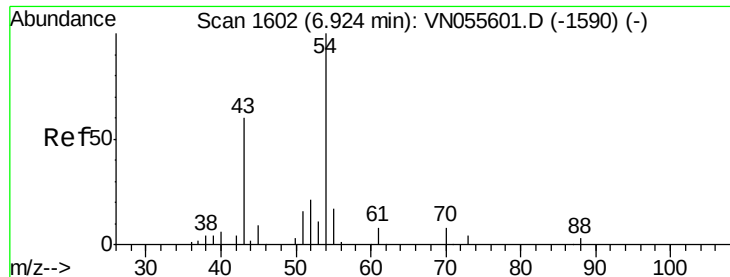
Tot Ion:113 Resp: 456246
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.5 123.7
 192 23.5 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 138.444 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

Tgt Ion: 75 Resp: 622523
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.6 55.6
 77 31.3 24.9 37.3

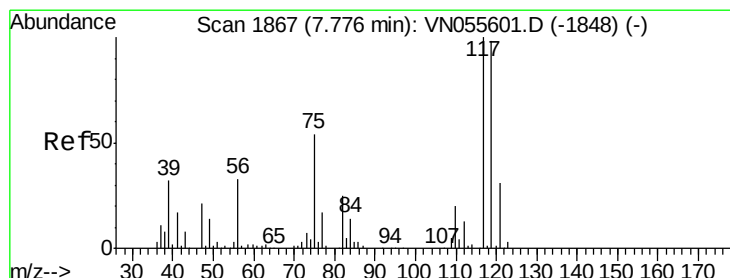
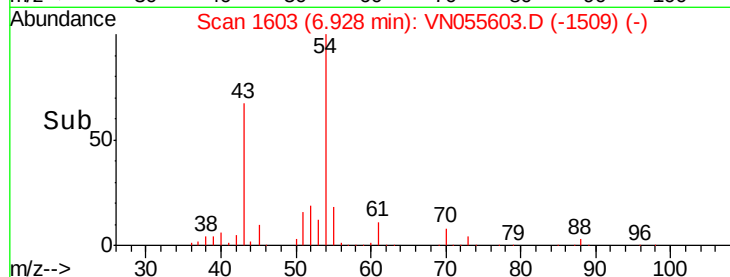
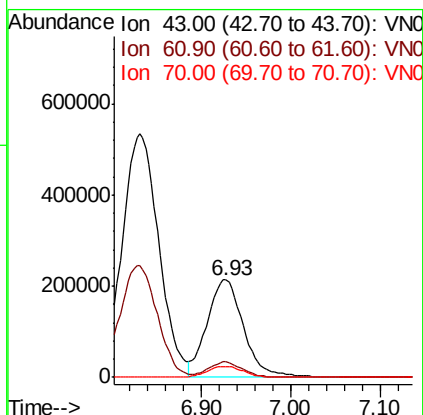
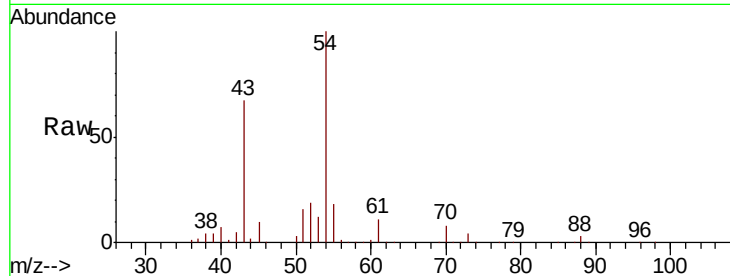




#37
Ethyl Acetate
Concen: 217.863 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

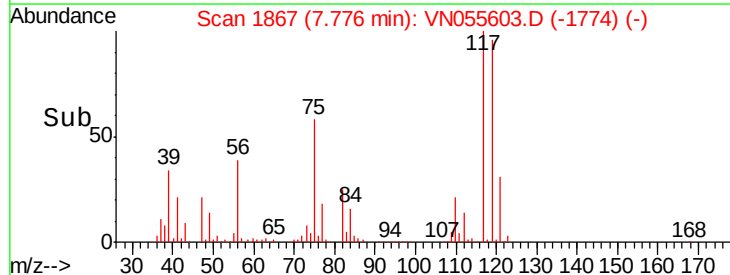
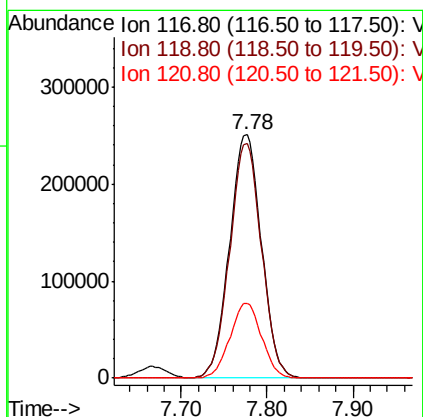
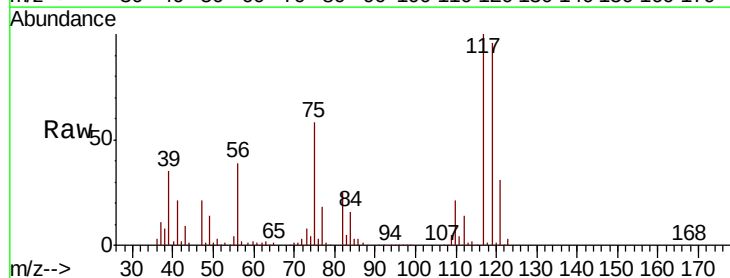
Instrument :
MSVOA_N
ClientSampleId :

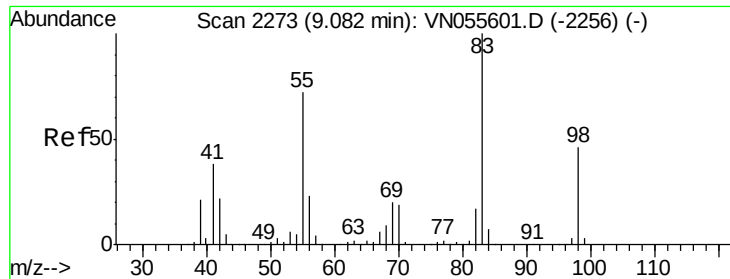
Tot Ion: 43 Resp: 598935
Ion Ratio Lower Upper
43 100
61 15.0 11.4 17.0
70 11.4 9.2 13.8



#38
Carbon Tetrachloride
Concen: 133.501 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion: 117 Resp: 644718
Ion Ratio Lower Upper
117 100
119 96.3 77.8 116.8
121 30.8 24.6 37.0

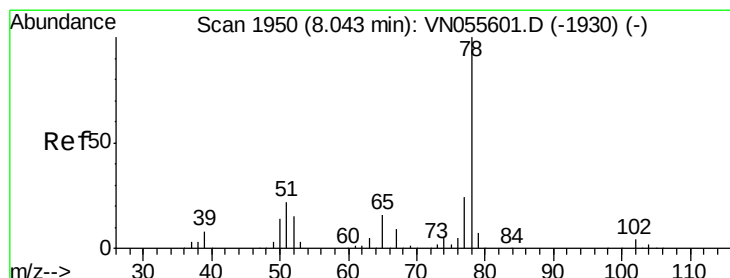
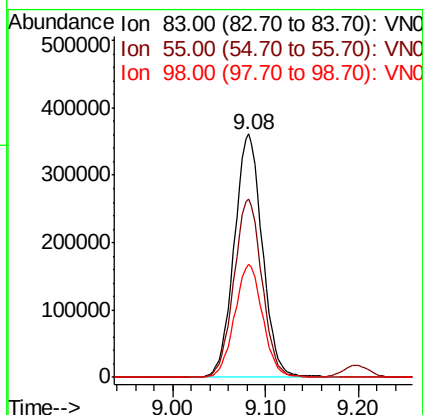
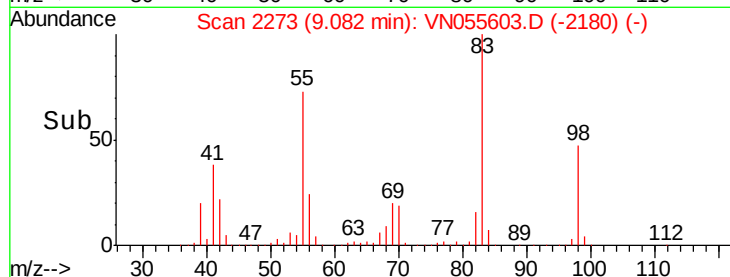
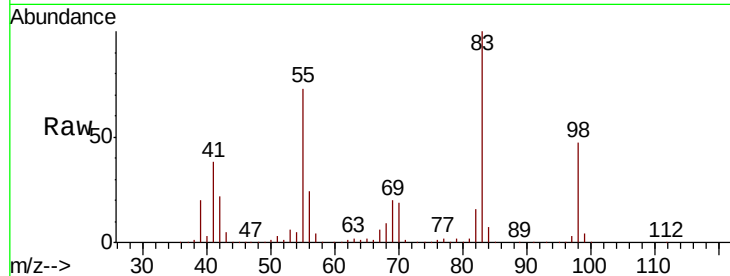




#39
Methylvlcyclohexane
Concen: 147.221 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

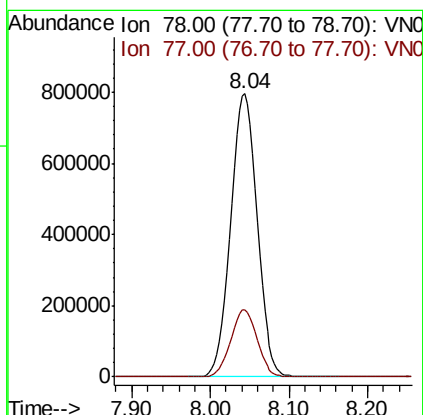
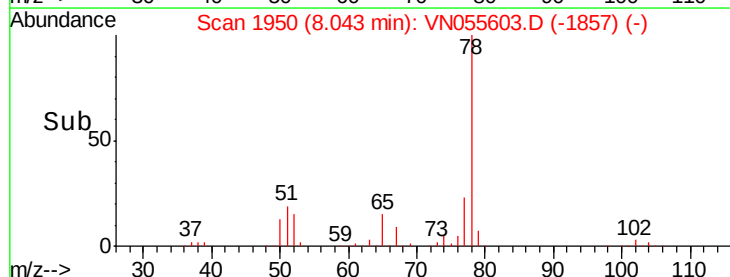
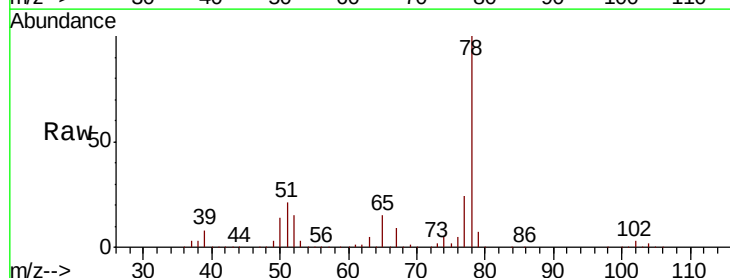
Instrument :
MSVOA_N
ClientSampled :

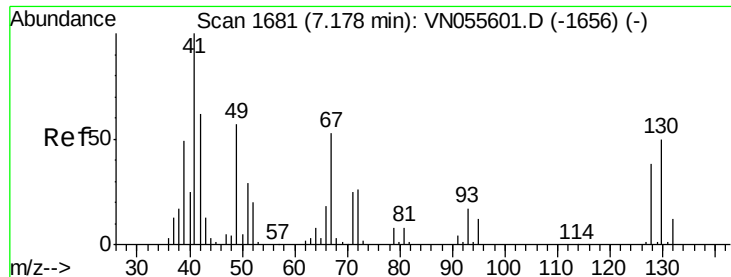
Tot Ion: 83 Resp: 758827
Ion Ratio Lower Upper
83 100
55 73.4 57.8 86.6
98 46.6 36.7 55.1



#40
Benzene
Concen: 140.523 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion: 78 Resp: 1856358
Ion Ratio Lower Upper
78 100
77 23.7 18.9 28.3

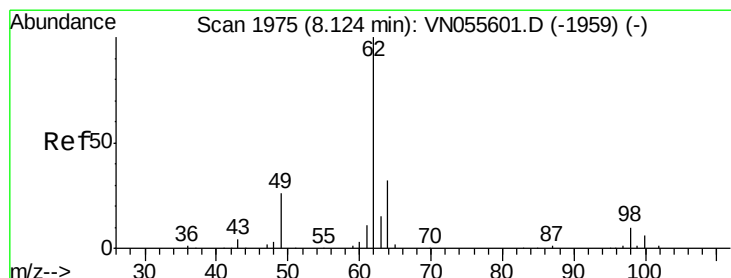
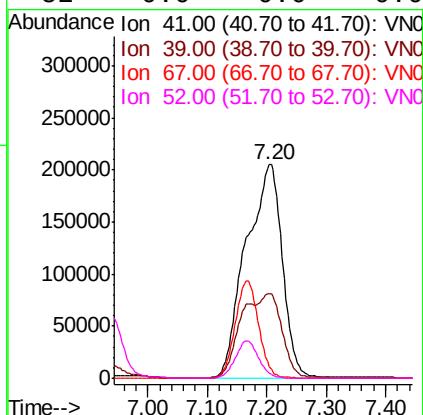
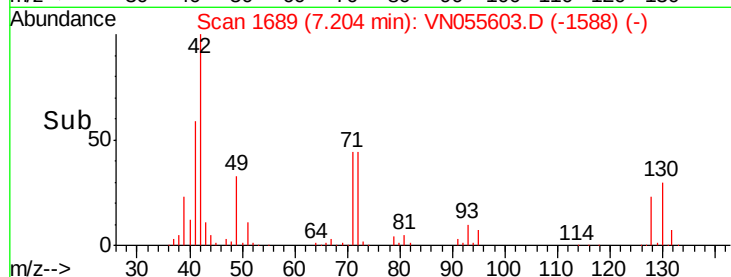
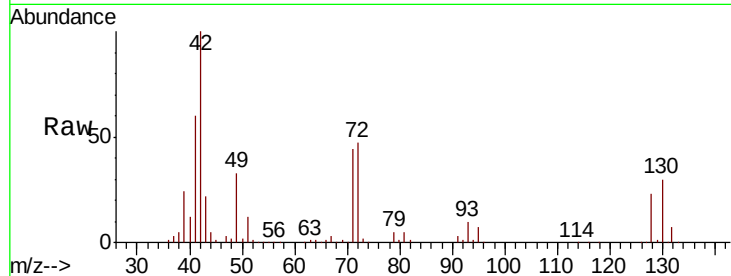




#41
Methacrylonitrile
Concen: 621.566 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.03 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

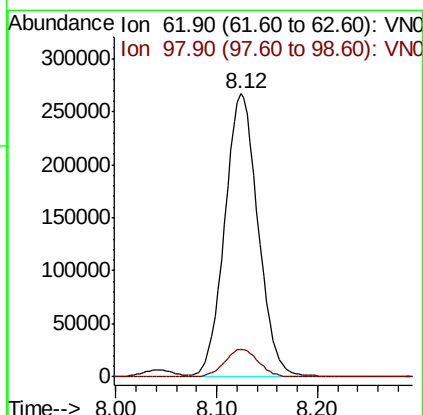
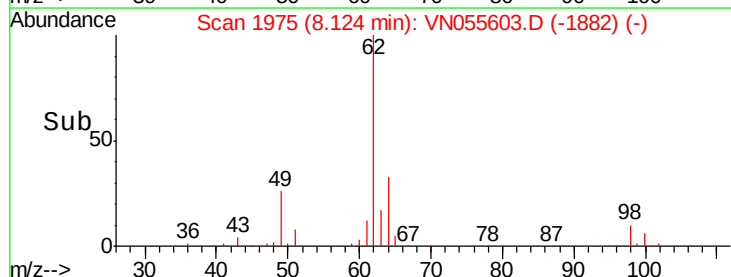
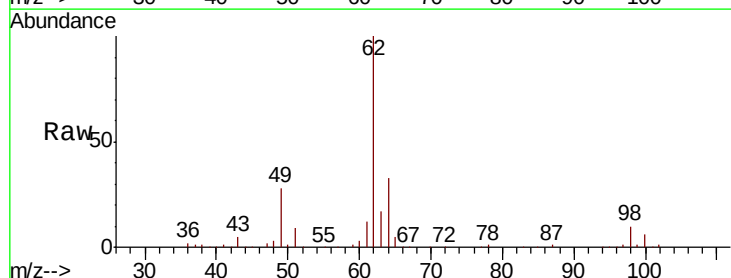
Instrument :
MSVOA_N
ClientSampleId :

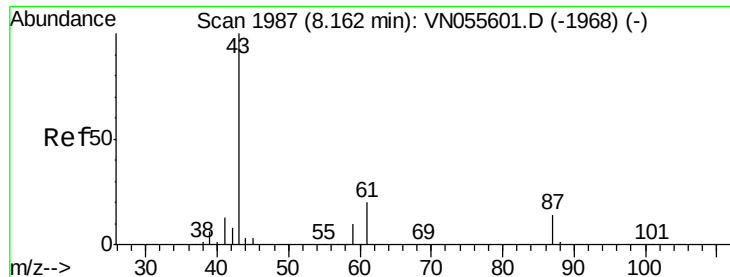
Tot Ion: 41 Resp: 873467
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 151.890 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion: 62 Resp: 611499
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.2





#43

Isopropyl Acetate

Concen: 199.869 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

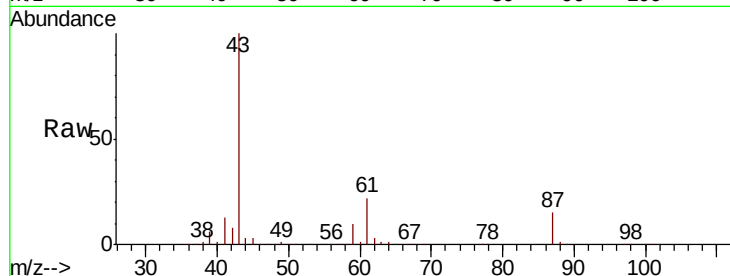
Tot Ion: 43 Resp: 1039656

Ion Ratio Lower Upper

43 100

61 27.5 22.1 33.1

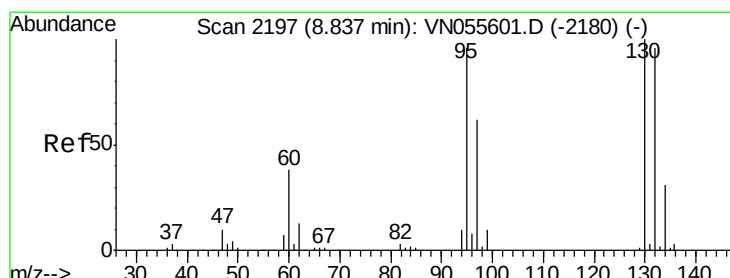
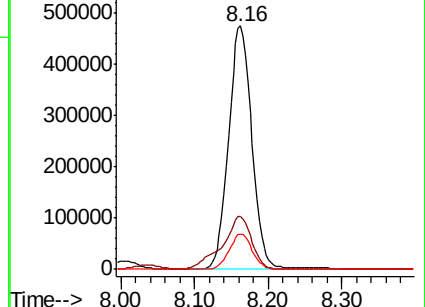
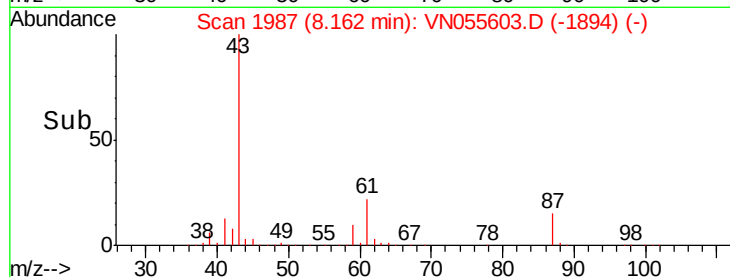
87 14.5 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VN055603.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN055603.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN055603.D (-1894) (-)



#44

Trichloroethene

Concen: 142.884 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN055603.D

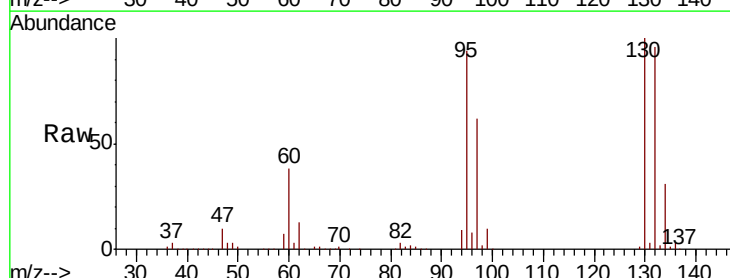
Acq: 17 May 2019 11:26

Tgt Ion:130 Resp: 529098

Ion Ratio Lower Upper

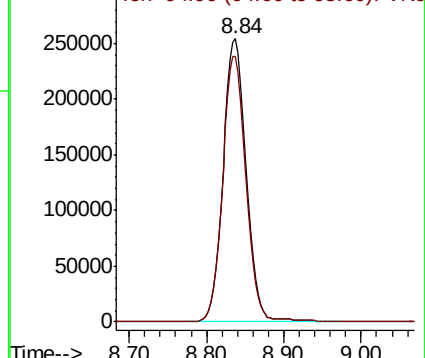
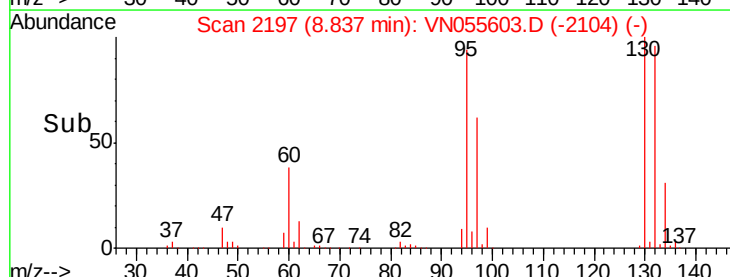
130 100

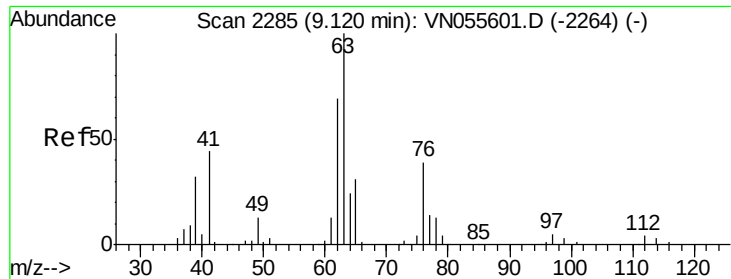
95 93.9 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN055603.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN055603.D (-2104) (-)

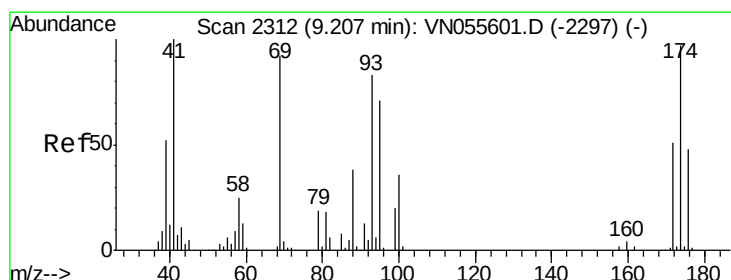
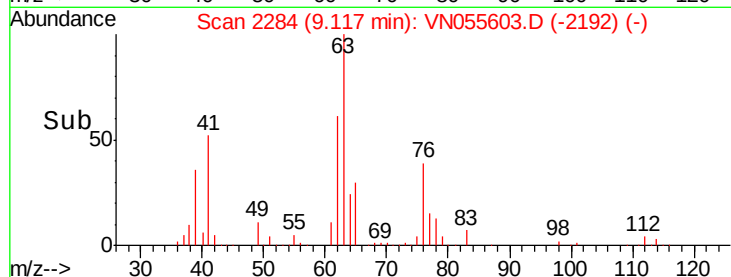
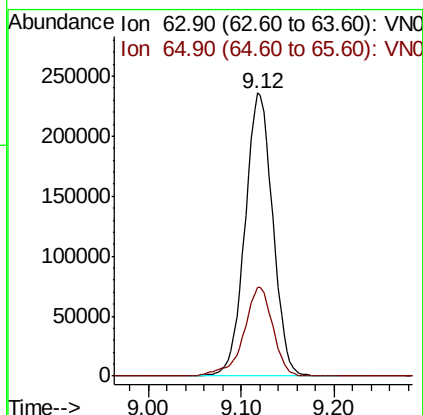
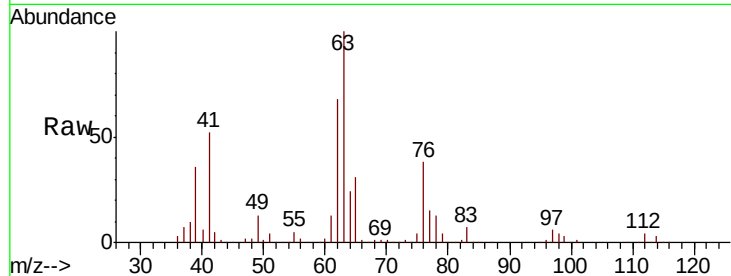




#45
 1,2-Dichloropropane
 Concen: 144.315 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

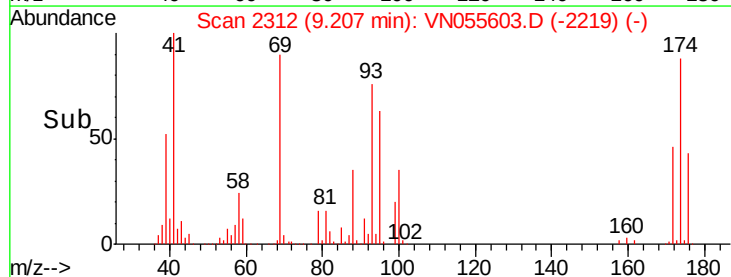
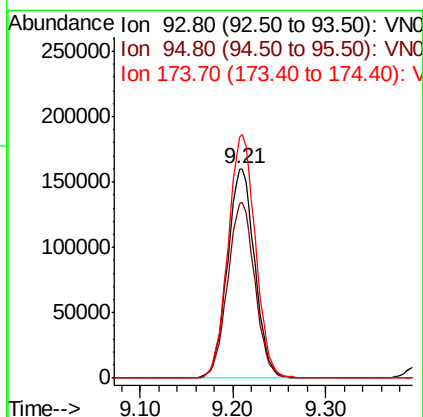
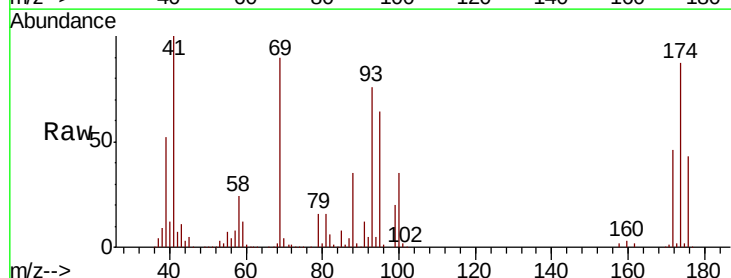
Instrument :
 MSVOA_N
 ClientSampleId :

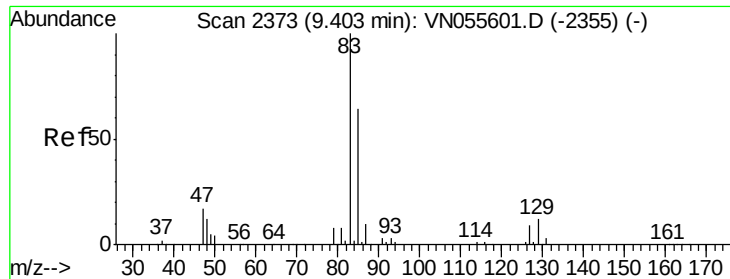
Tot Ion: 63 Resp: 489525
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.2 37.8



#46
 Dibromomethane
 Concen: 157.819 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

Tgt Ion: 93 Resp: 326902
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.9 101.9
 174 116.5 93.8 140.6

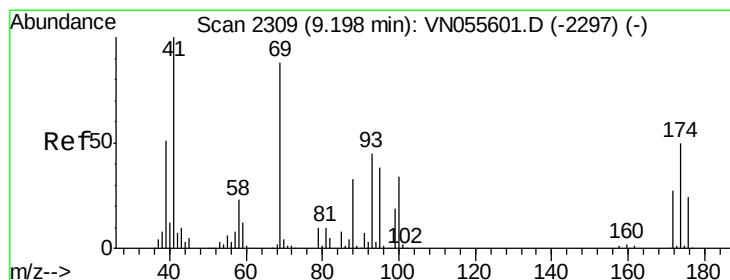
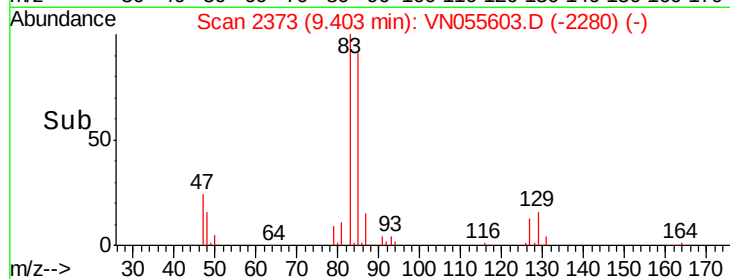
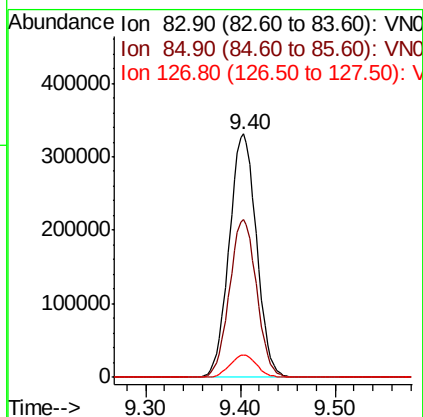
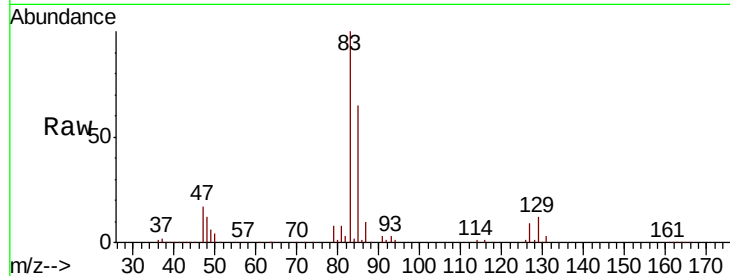




#47
Bromodichloromethane
Concen: 152.257 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

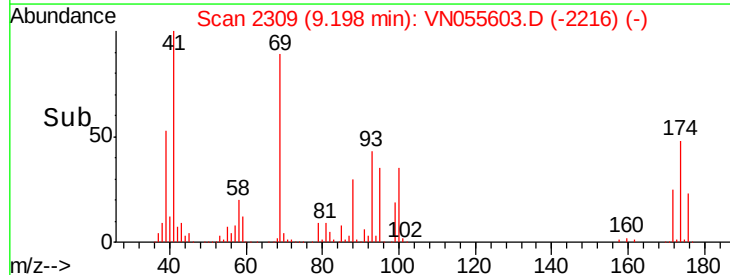
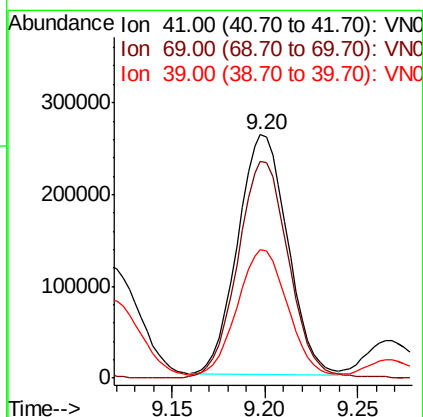
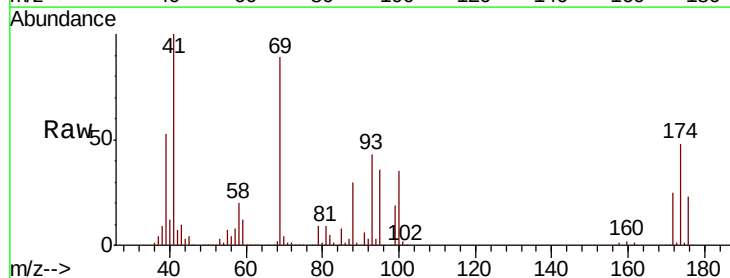
Instrument :
MSVOA_N
ClientSampled :

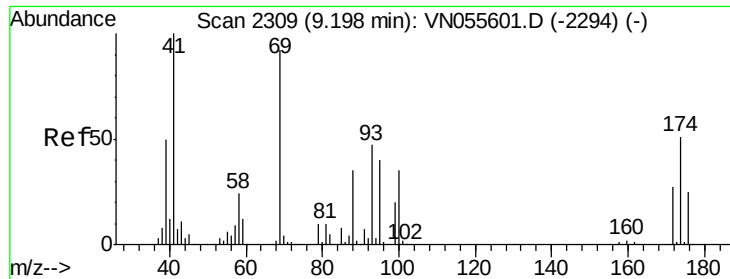
Tot Ion: 83 Resp: 661931
Ion Ratio Lower Upper
83 100
85 64.9 51.4 77.0
127 9.3 7.1 10.7



#48
Methyl methacrylate
Concen: 218.144 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion: 41 Resp: 488479
Ion Ratio Lower Upper
41 100
69 92.3 74.2 111.2
39 54.9 43.8 65.8





#49

1,4-Dioxane

Concen: 5078.892 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :
MSVOA_N
ClientSampled :

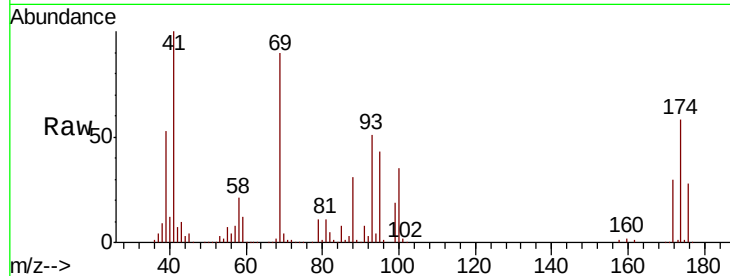
Tot Ion: 88 Resp: 184352

Ion Ratio Lower Upper

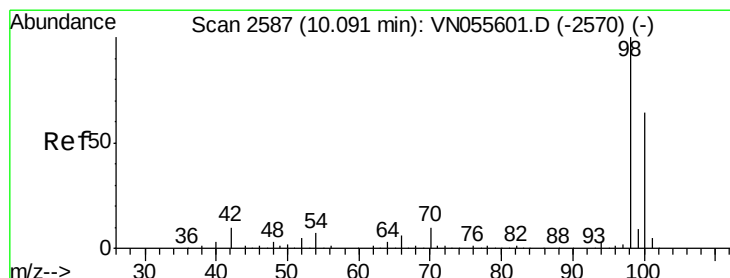
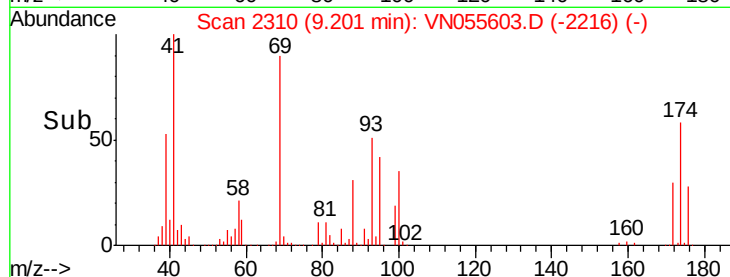
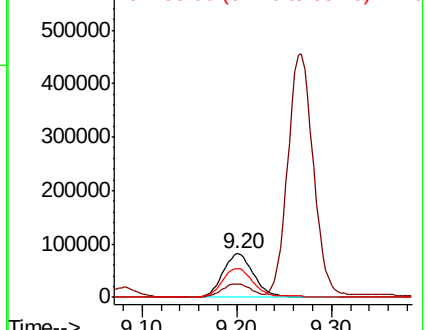
88 100

43 28.1 22.4 33.6

58 68.8 53.4 80.2



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



#50

Toluene-d8

Concen: 152.776 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055603.D

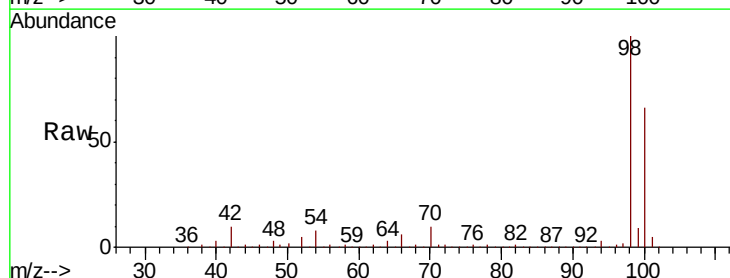
Acq: 17 May 2019 11:26

Tgt Ion: 98 Resp: 1768525

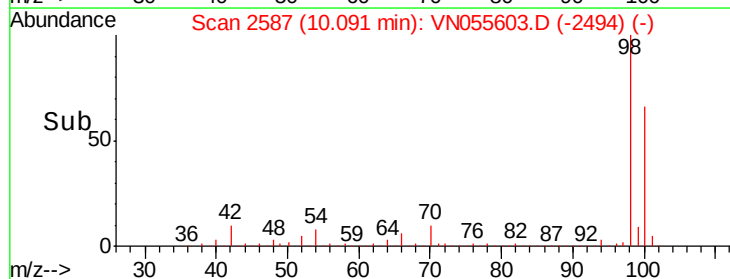
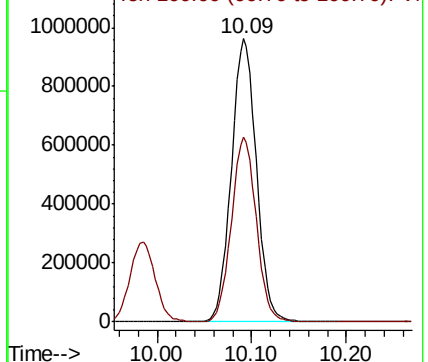
Ion Ratio Lower Upper

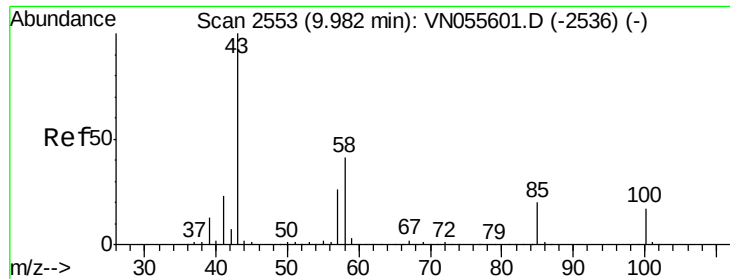
98 100

100 65.0 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: 1237.376 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

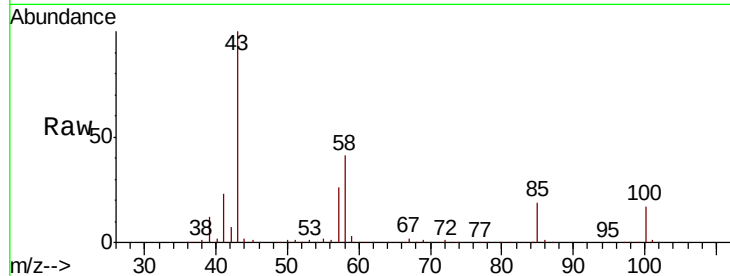
ClientSampled :

Tot Ion: 43 Resp: 3068406

Ion Ratio Lower Upper

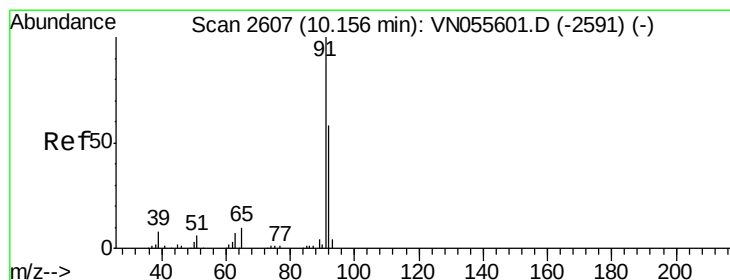
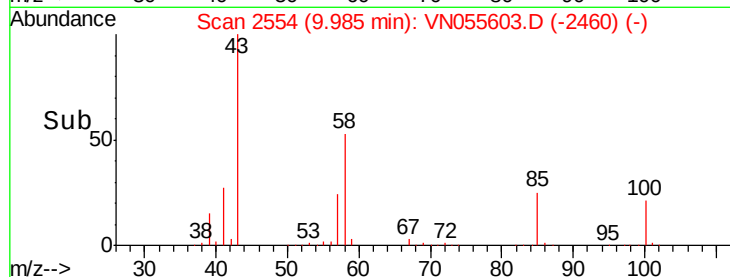
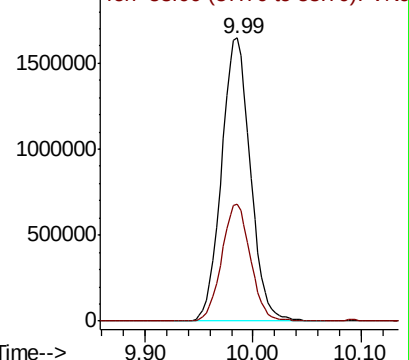
43 100

58 41.1 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 153.058 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055603.D

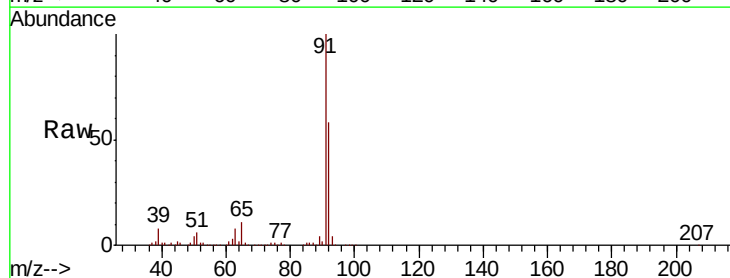
Acq: 17 May 2019 11:26

Tgt Ion: 92 Resp: 1195232

Ion Ratio Lower Upper

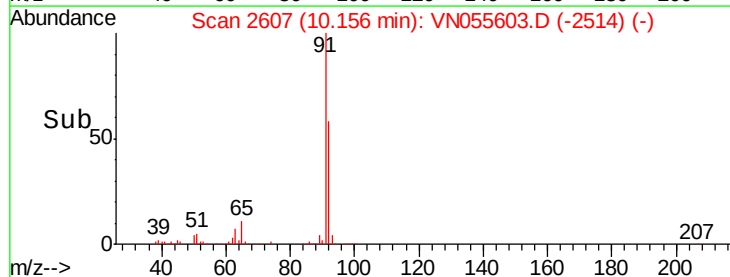
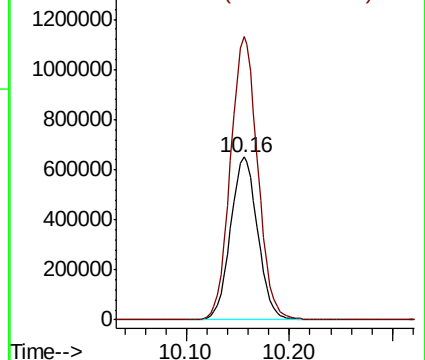
92 100

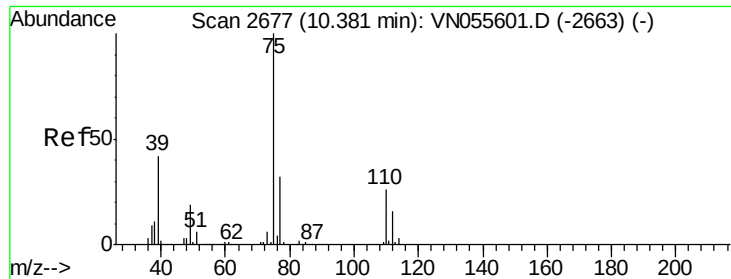
91 173.7 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

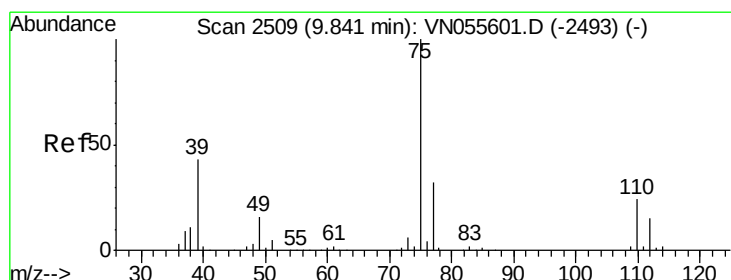
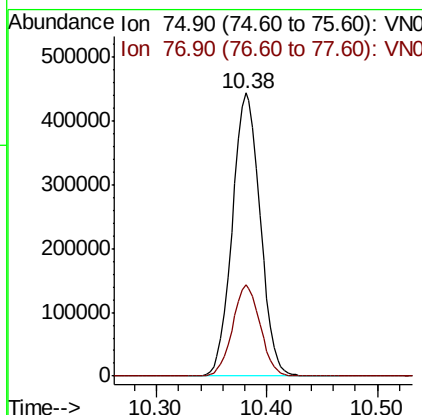
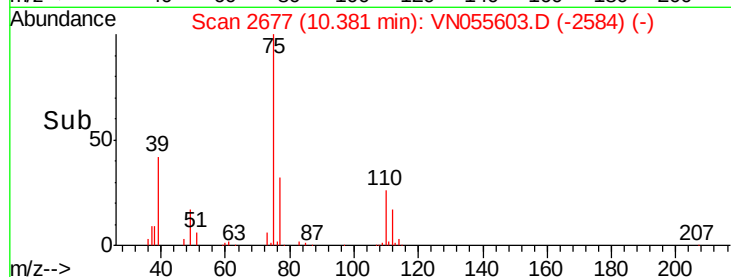
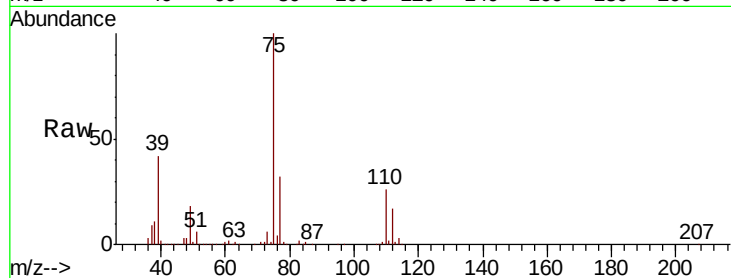




#53
 t-1,3-Dichloropropene
 Concen: 181.226 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

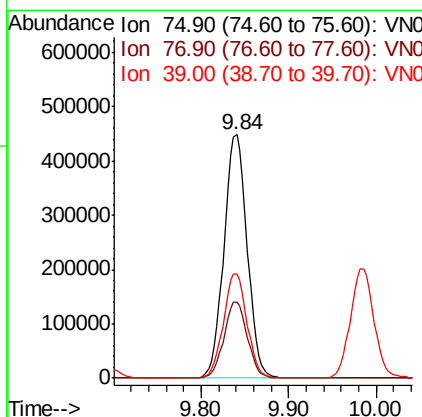
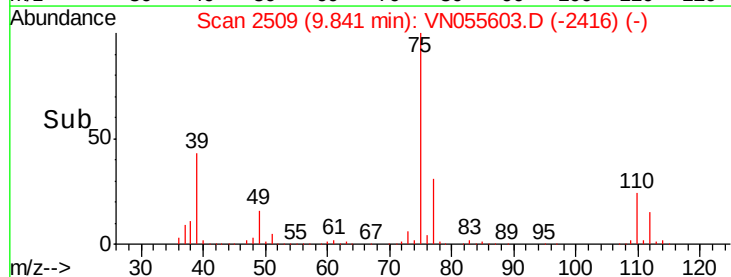
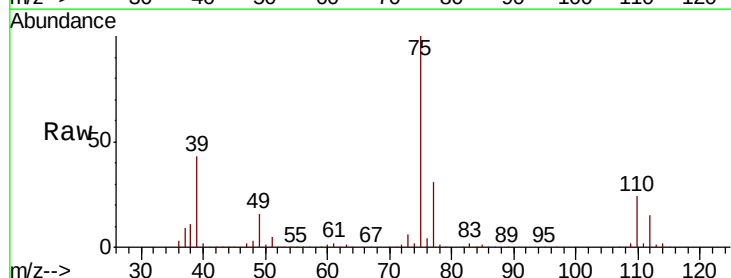
Instrument :
 MSVOA_N
 ClientSampled :

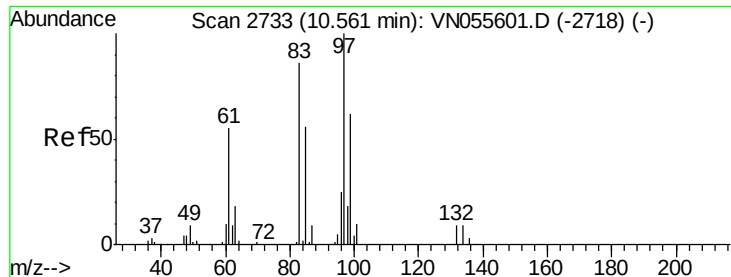
Tot Ion: 75 Resp: 777311
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 167.208 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

Tgt Ion: 75 Resp: 827172
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5
 39 42.9 34.7 52.1

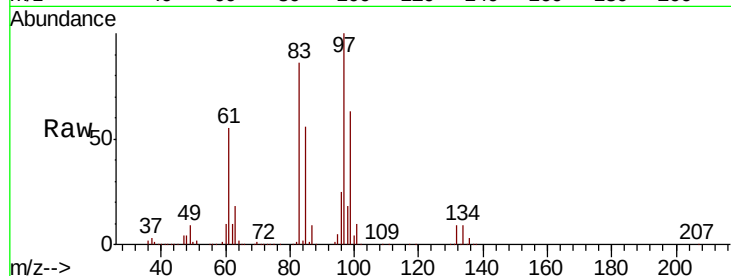




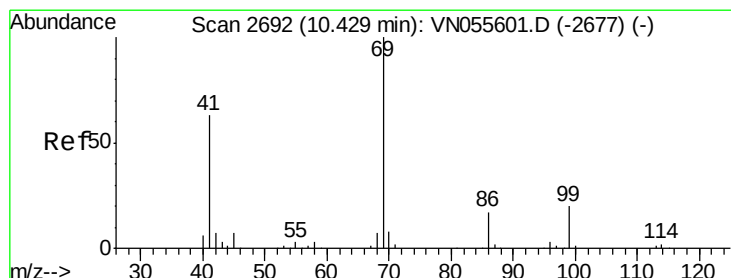
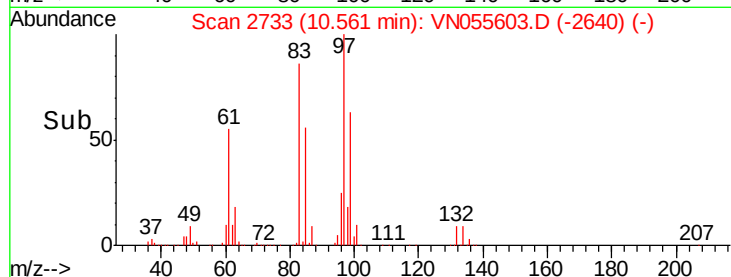
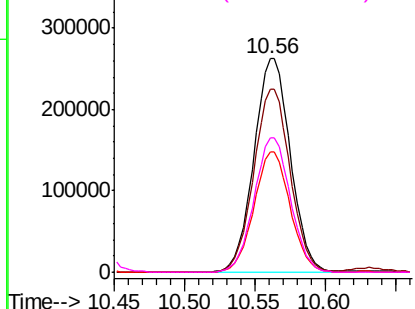
#55
1,1,2-Trichloroethane
Concen: 162.643 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 97 Resp: 474241
Ion Ratio Lower Upper
97 100
83 85.8 68.4 102.6
85 56.4 44.8 67.2
99 63.1 49.9 74.9

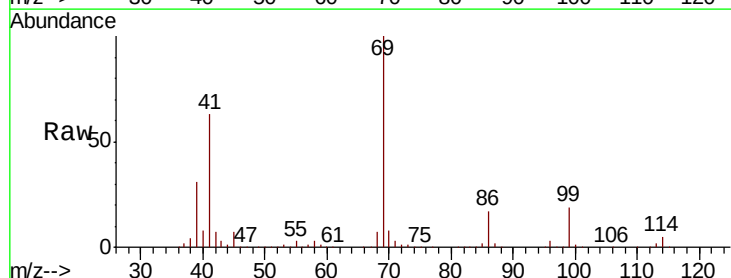


Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO

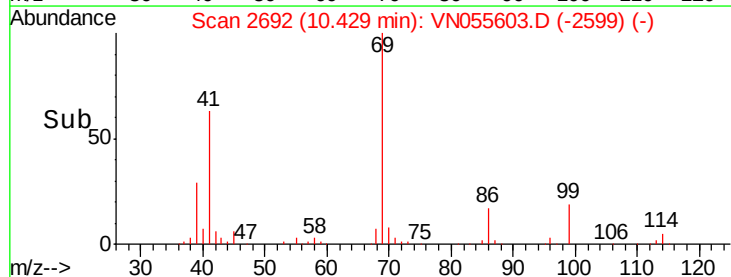
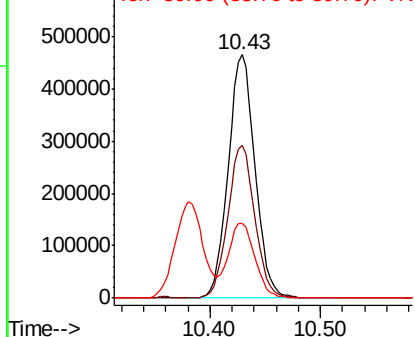


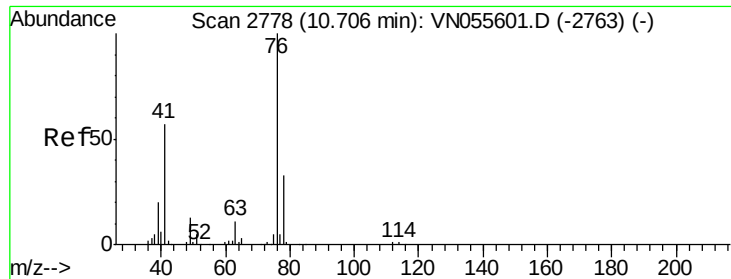
#56
Ethyl methacrylate
Concen: 224.382 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion: 69 Resp: 782324
Ion Ratio Lower Upper
69 100
41 63.0 50.3 75.5
39 30.8 25.4 38.2



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





#57

1,3-Dichloropropane

Concen: 163.601 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

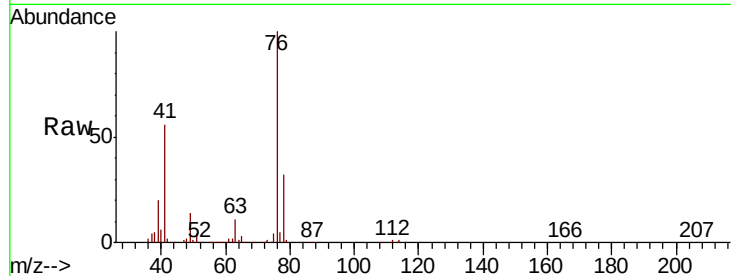
ClientSampleId :

Tot Ion: 76 Resp: 790124

Ion Ratio Lower Upper

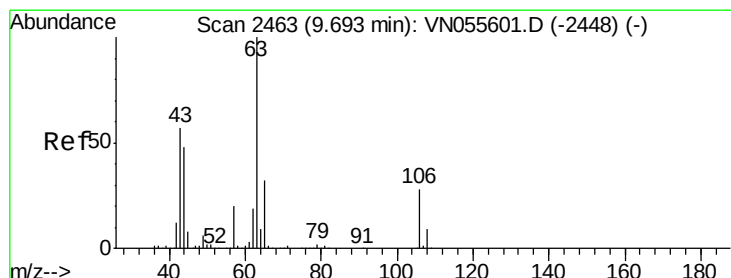
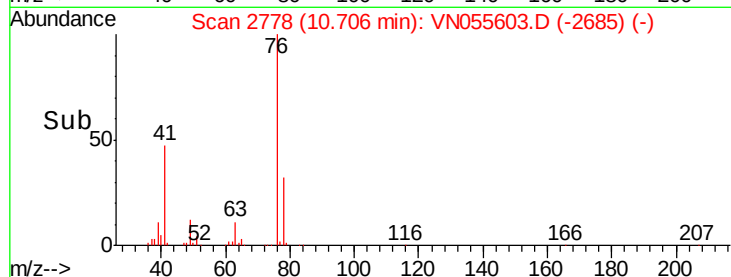
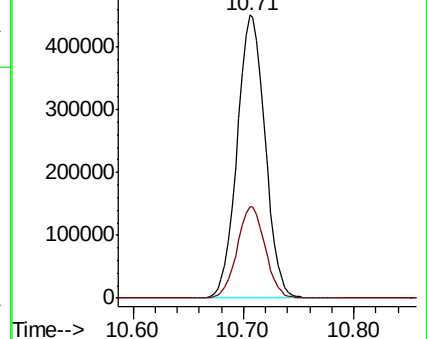
76 100

78 32.5 26.5 39.7



Abundance Ion 75.90 (75.60 to 76.60): VN055603.D (-2685) (-)

Ion 77.90 (77.60 to 78.60): VN055603.D (-2685) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 1160.600 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055603.D

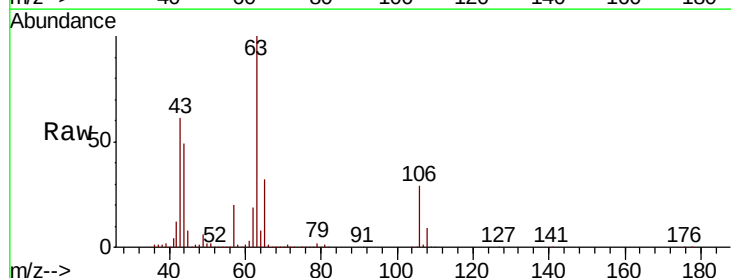
Acq: 17 May 2019 11:26

Tgt Ion: 63 Resp: 1781960

Ion Ratio Lower Upper

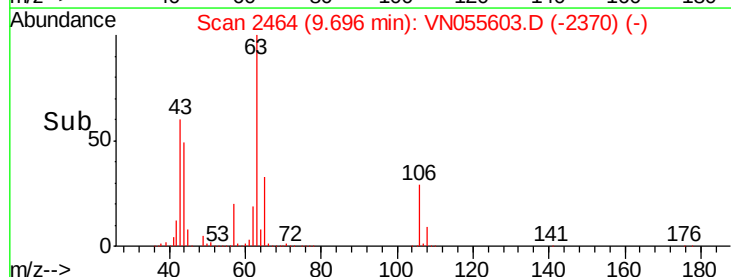
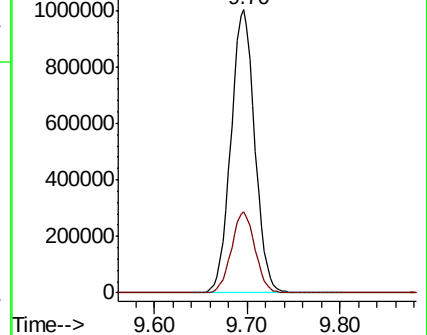
63 100

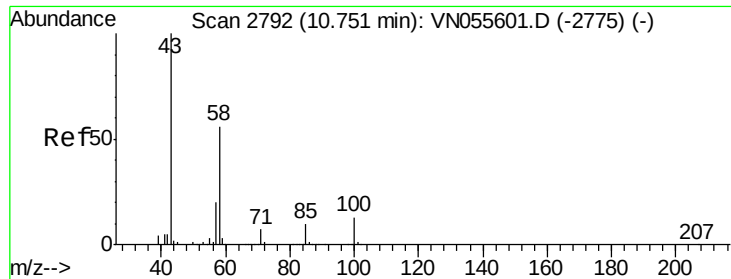
106 28.5 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VN055603.D (-2370) (-)

Ion 105.90 (105.60 to 106.60): VN055603.D (-2370) (-)

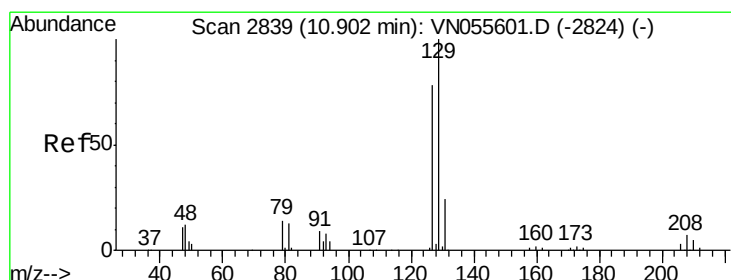
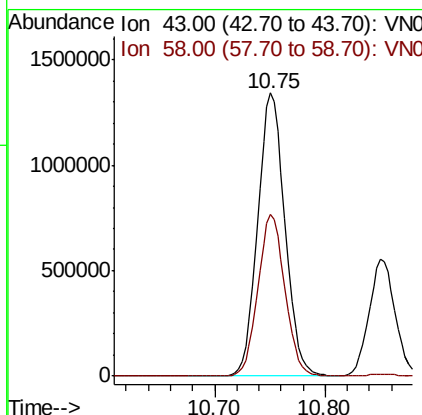
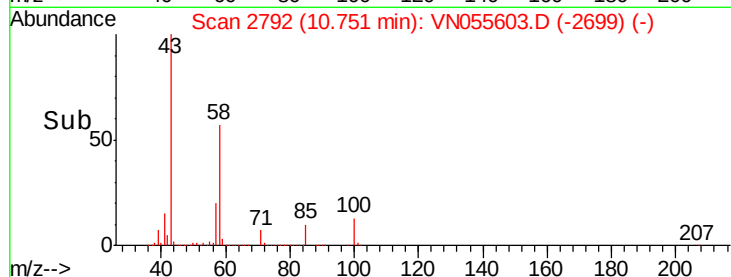
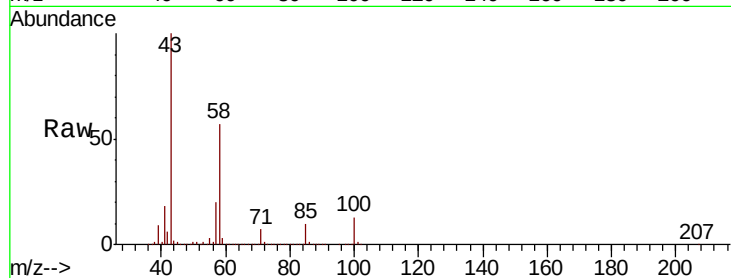




#59
2-Hexanone
Concen: 1342.043 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

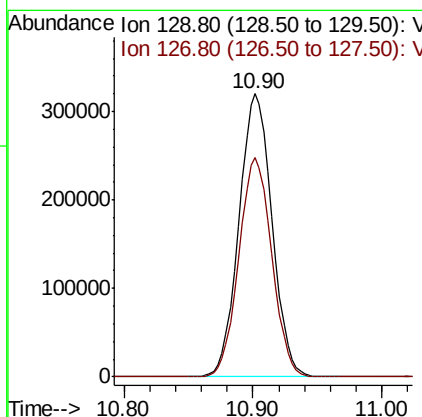
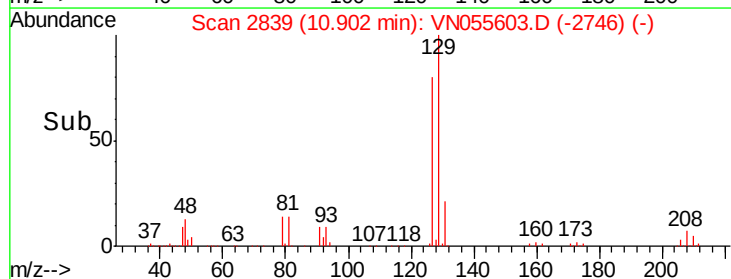
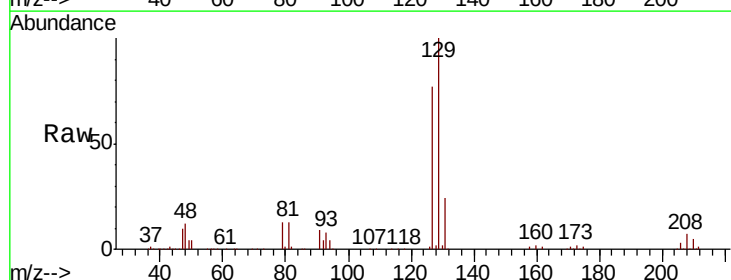
Instrument :
MSVOA_N
ClientSampleId :

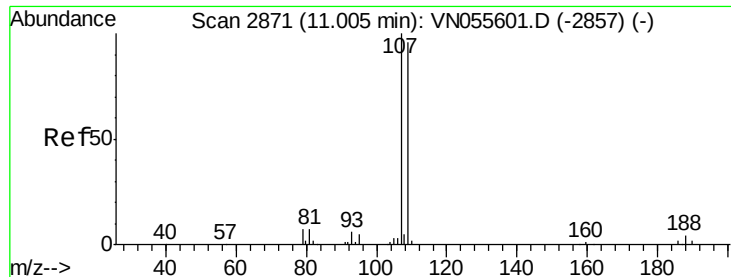
Tot Ion: 43 Resp: 2287176
Ion Ratio Lower Upper
43 100
58 56.8 28.1 84.4



#60
Dibromochloromethane
Concen: 168.506 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion: 129 Resp: 569427
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 175.882 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

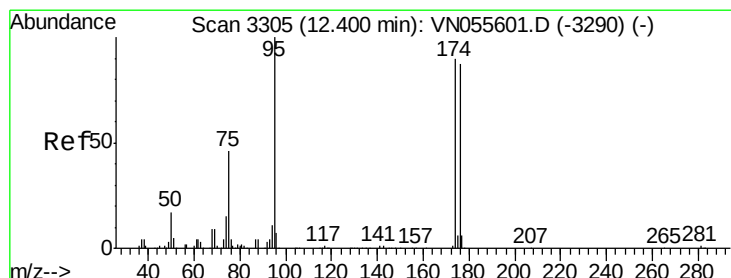
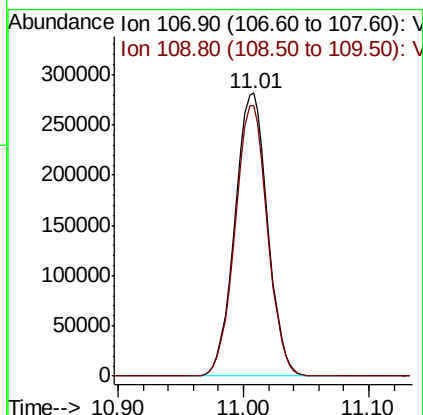
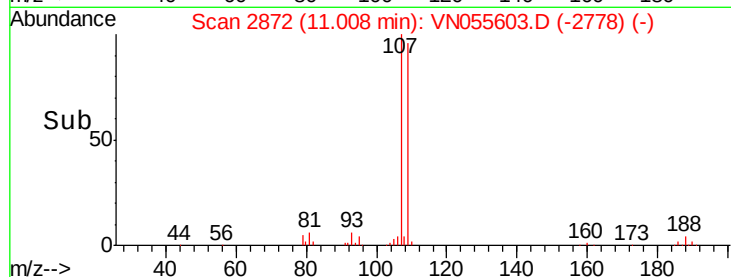
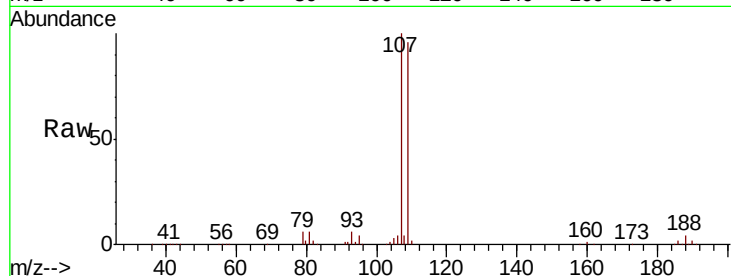
ClientSampleId :

Tot Ion:107 Resp: 510784

Ion Ratio Lower Upper

107 100

109 94.7 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 169.311 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

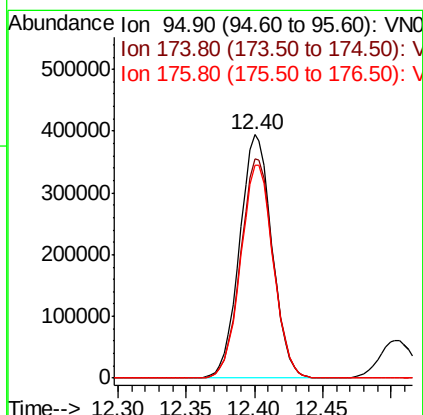
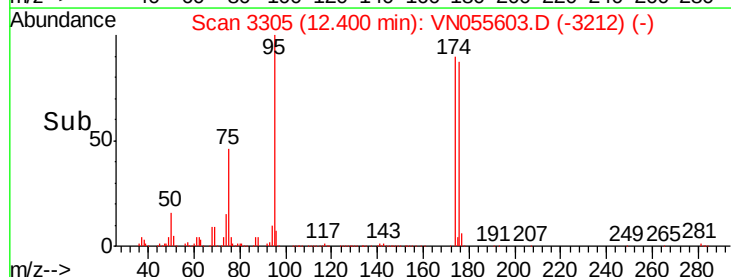
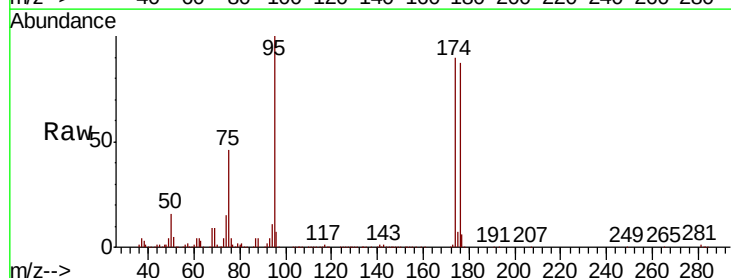
Tgt Ion: 95 Resp: 648733

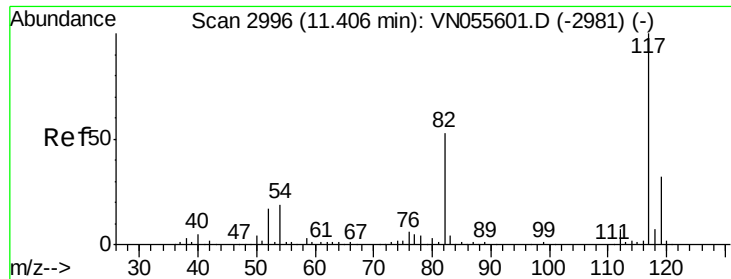
Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.6

176 87.9 0.0 177.4

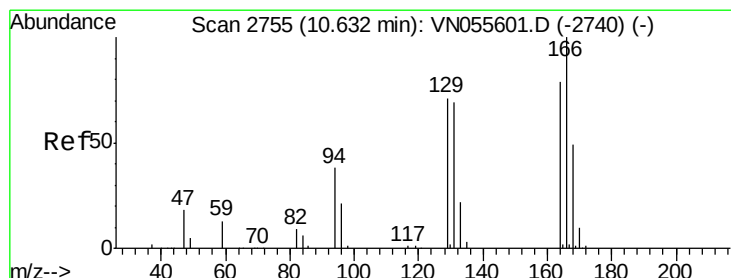
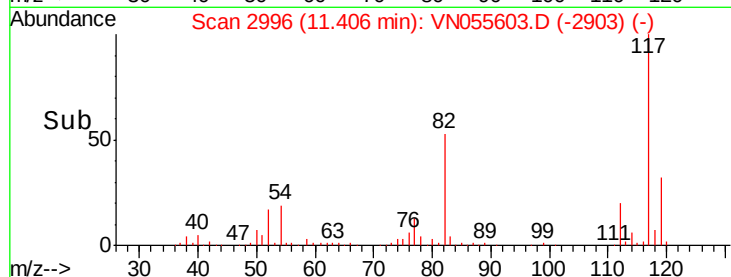
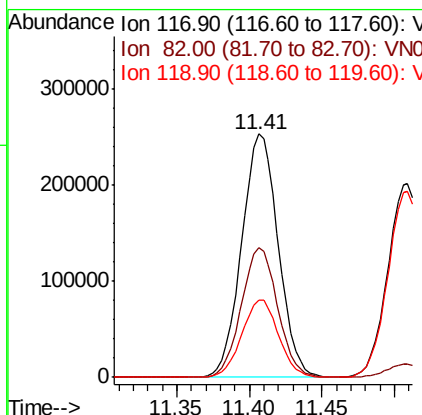
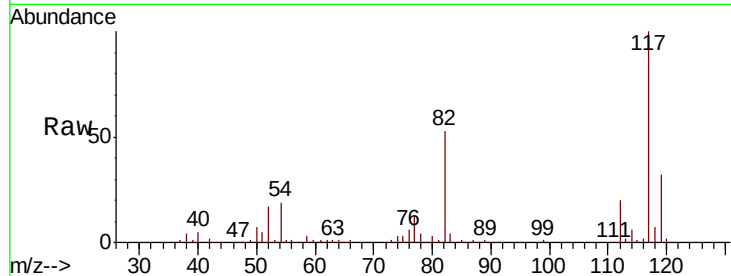




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

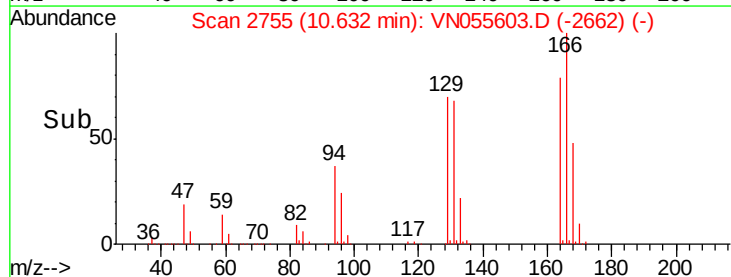
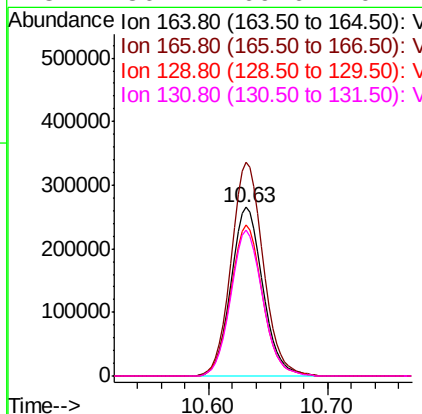
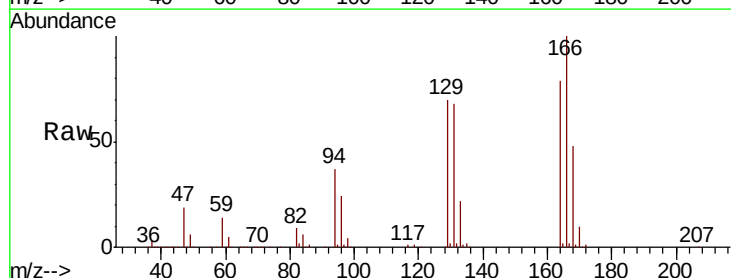
Instrument :
MSVOA_N
ClientSampleId :

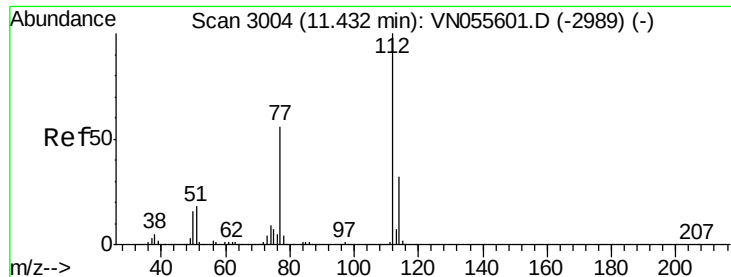
Tot Ion:117 Resp: 444444
Ion Ratio Lower Upper
117 100
82 53.1 42.3 63.5
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 125.798 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion:164 Resp: 491880
Ion Ratio Lower Upper
164 100
166 126.6 101.0 151.6
129 89.2 71.7 107.5
131 86.2 69.6 104.4





#65

Chlorobenzene

Concen: 140.963 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

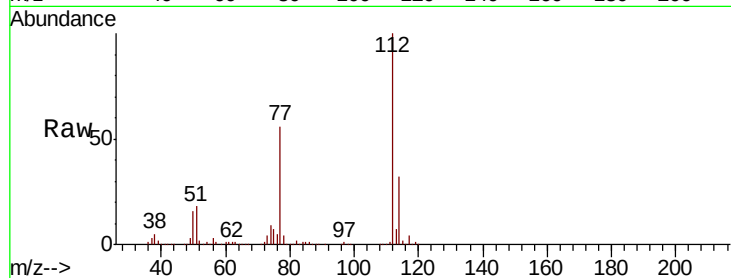
ClientSampleId :

Tot Ion:112 Resp: 1307524

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

800000

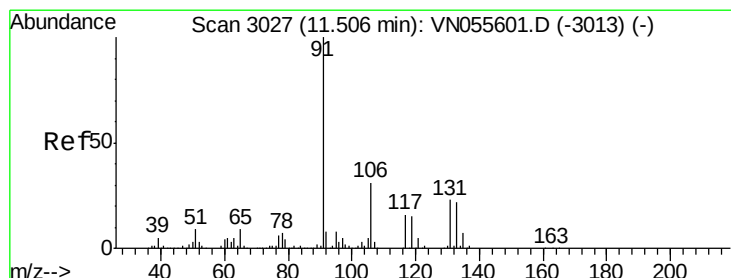
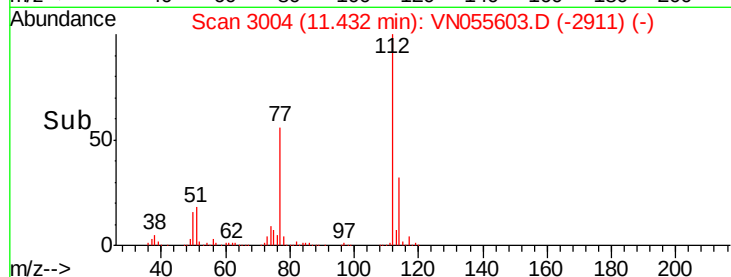
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 148.852 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

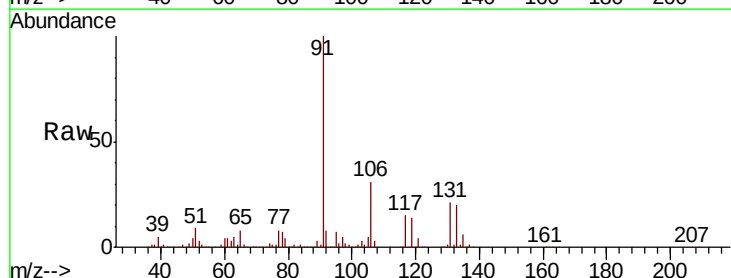
Tgt Ion:131 Resp: 508450

Ion Ratio Lower Upper

131 100

133 95.8 47.8 143.4

119 66.2 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

400000

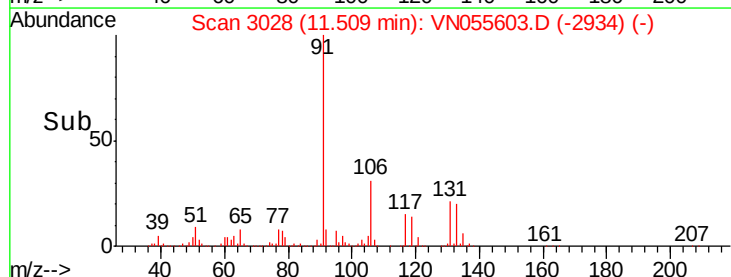
300000

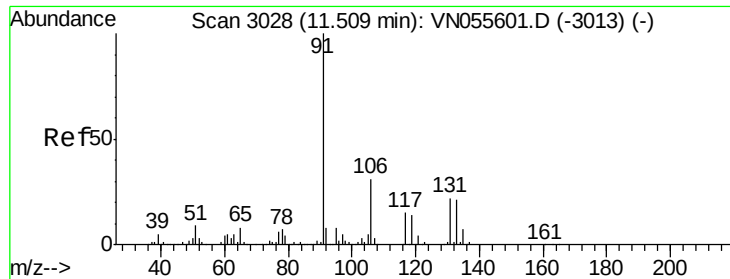
200000

100000

0

Time-->

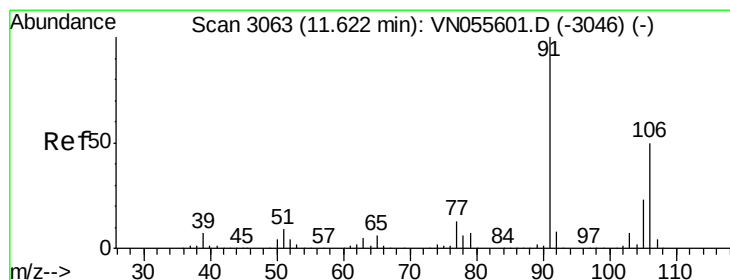
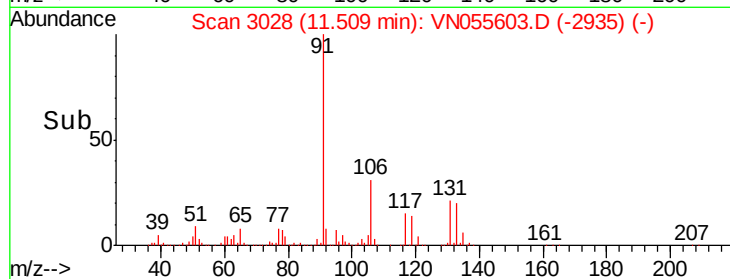
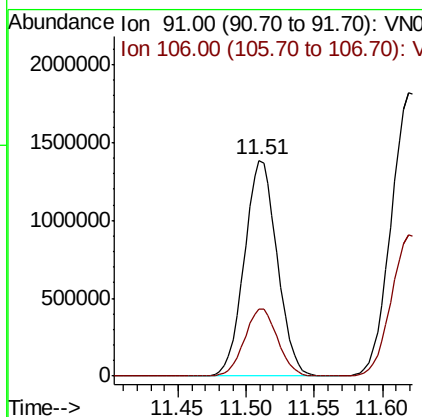
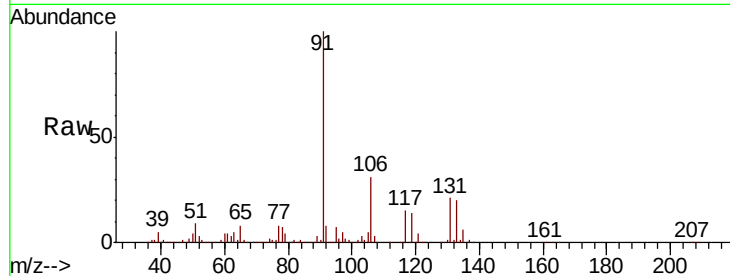




#67
Ethyl Benzene
Concen: 152.740 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

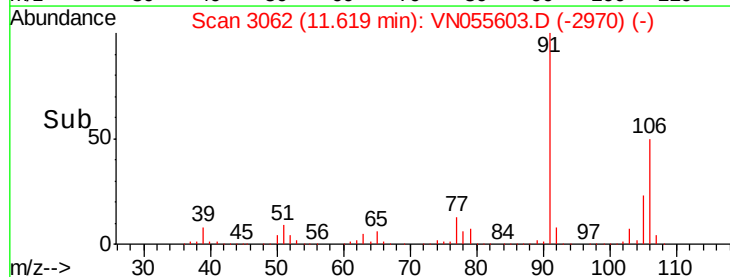
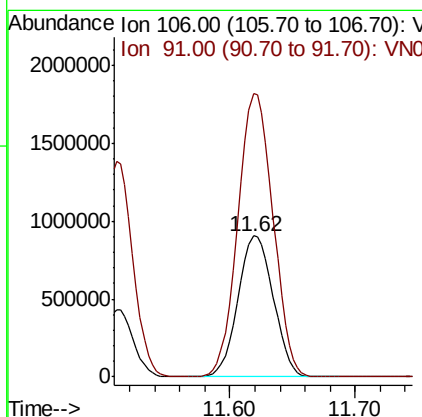
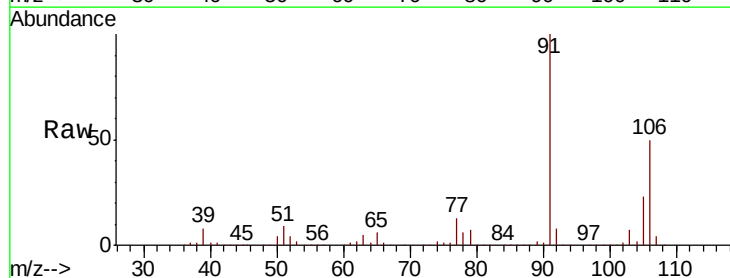
Instrument :
MSVOA_N
ClientSampled :

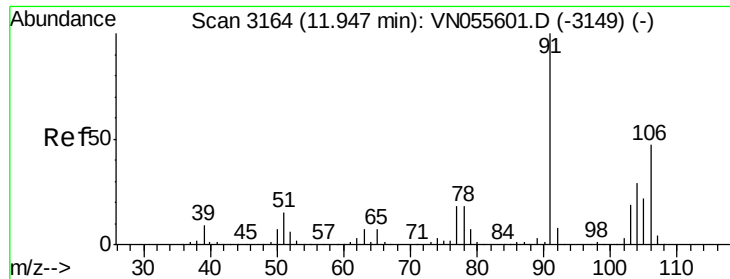
Tot Ion: 91 Resp: 2310296
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8



#68
m/p-Xylenes
Concen: 303.369 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion: 106 Resp: 1765164
Ion Ratio Lower Upper
106 100
91 200.7 160.5 240.7

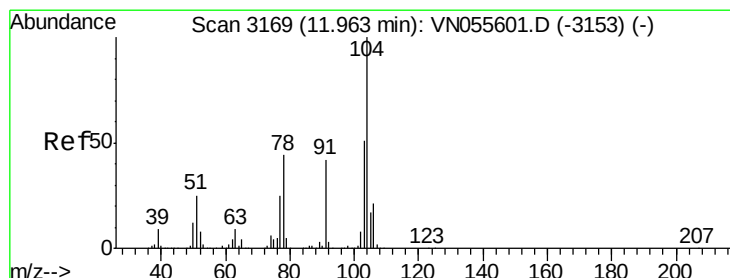
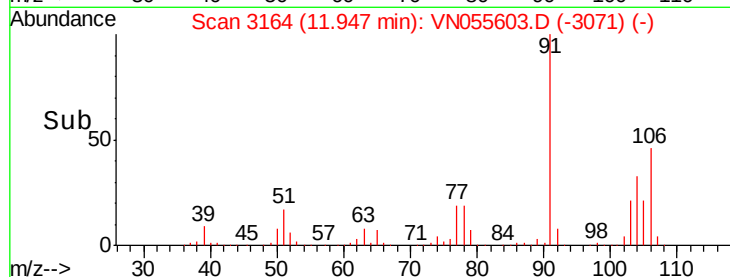
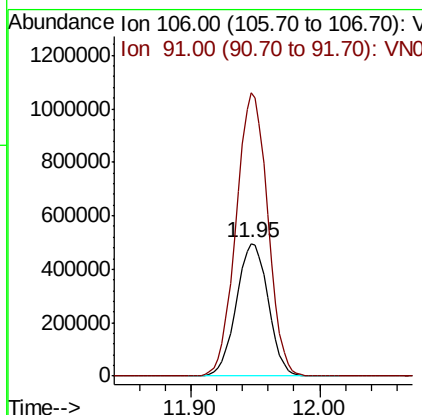
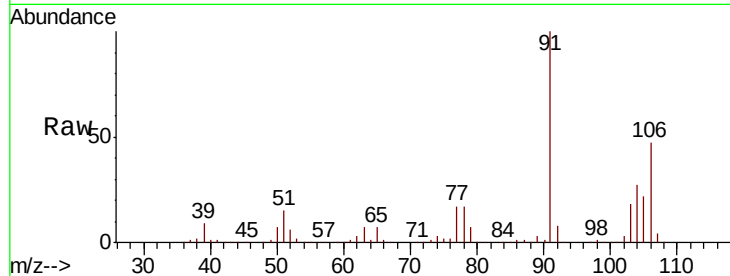




#69
o-Xylene
Concen: 151.687 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

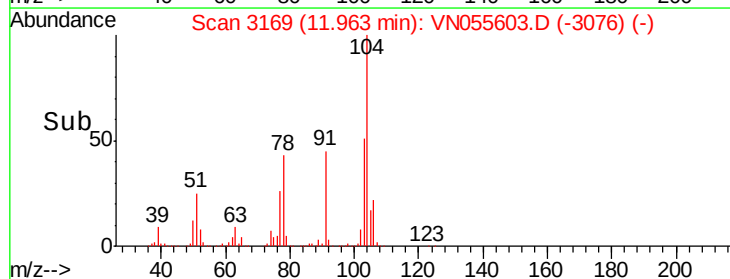
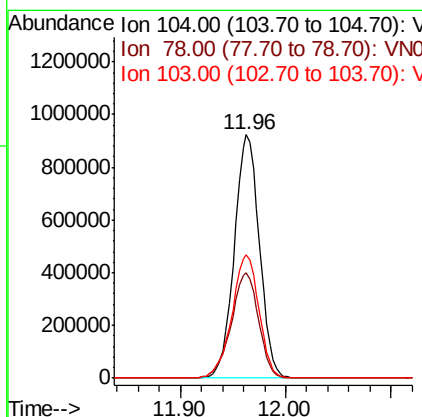
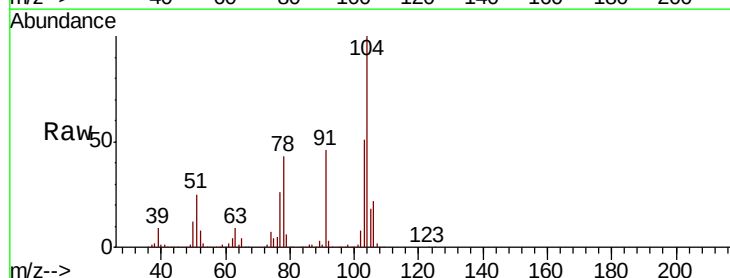
Instrument :
MSVOA_N
ClientSampled :

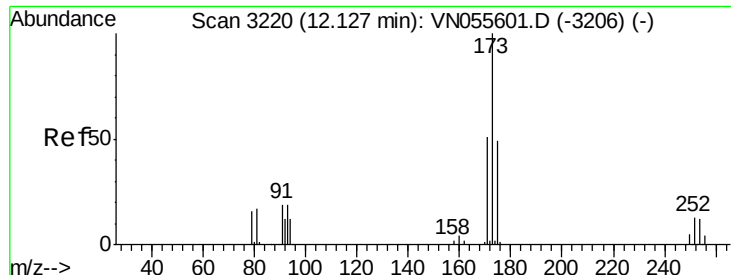
Tot Ion:106 Resp: 851438
Ion Ratio Lower Upper
106 100
91 211.8 106.7 320.2



#70
Styrene
Concen: 170.425 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion:104 Resp: 1515321
Ion Ratio Lower Upper
104 100
78 47.3 38.6 58.0
103 54.6 44.4 66.6





#71

Bromoform

Concen: 185.711 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

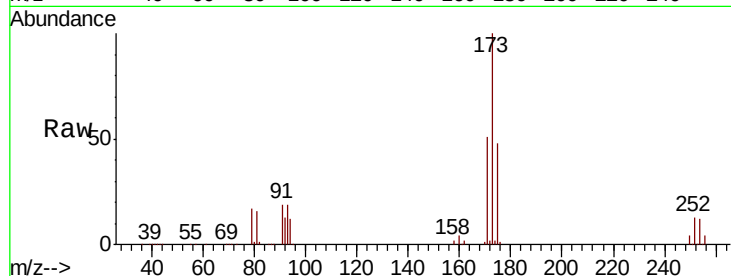
Tot Ion:173 Resp: 468453

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.9

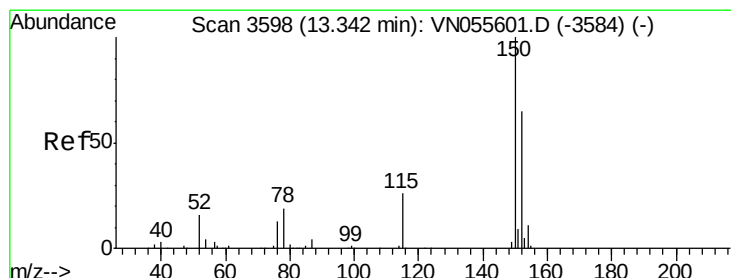
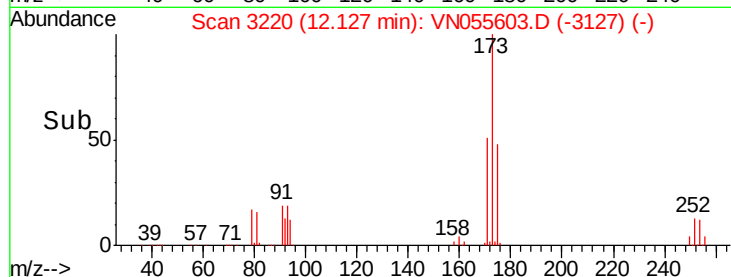
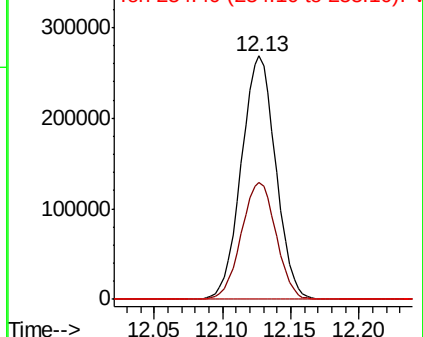
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

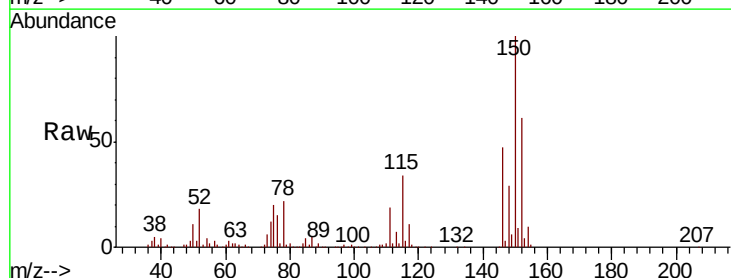
Tgt Ion:152 Resp: 219872

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.2

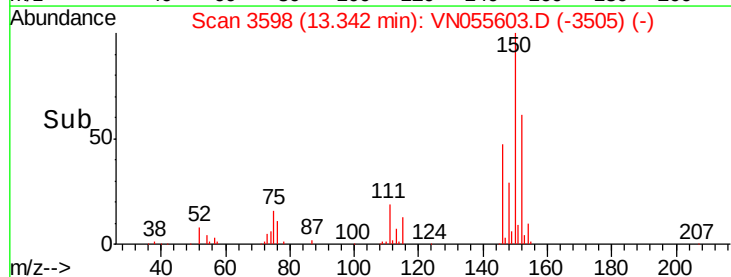
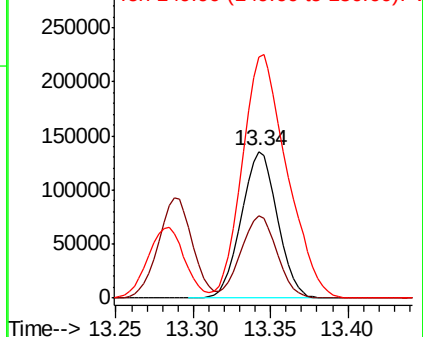
150 205.7 0.0 348.0

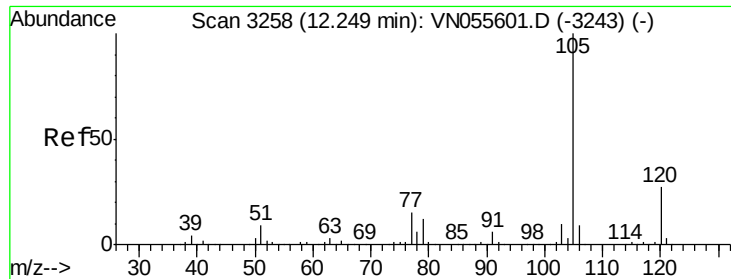


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 142.611 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

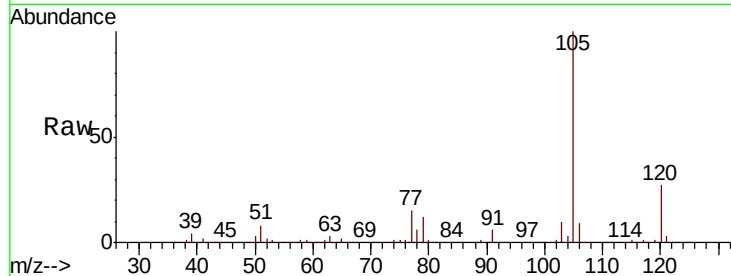
ClientSampled :

Tot Ion:105 Resp: 2221336

Ion Ratio Lower Upper

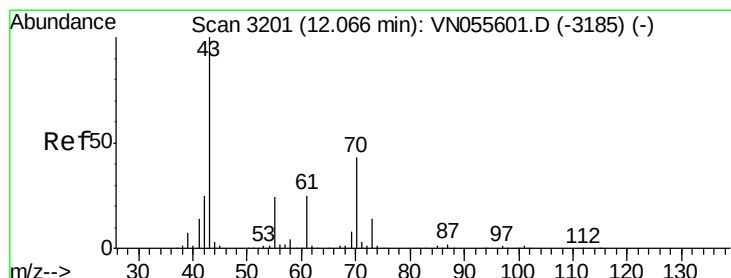
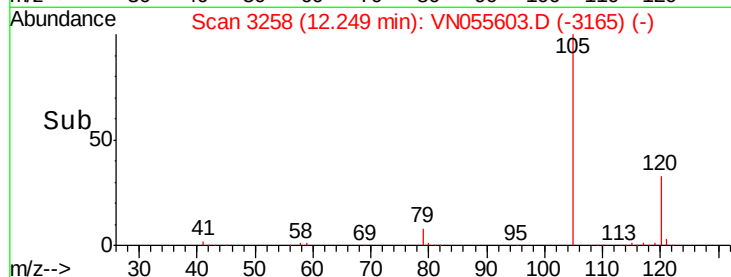
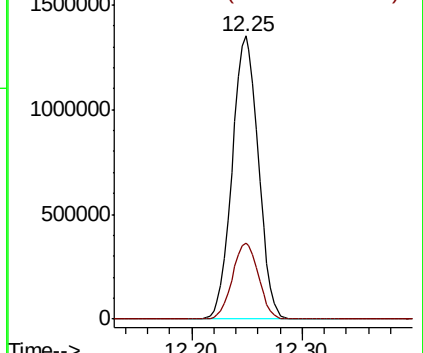
105 100

120 26.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 231.900 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Tgt Ion: 43 Resp: 922119

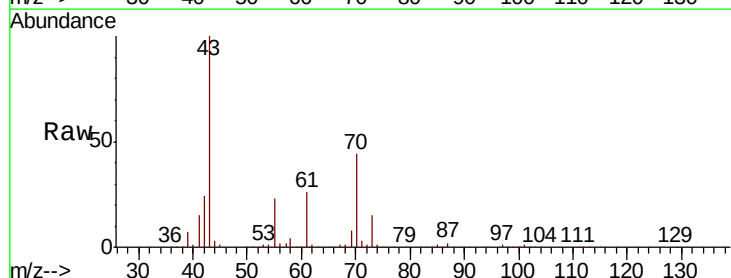
Ion Ratio Lower Upper

43 100

70 44.0 35.0 52.6

55 23.3 18.9 28.3

61 25.7 20.1 30.1

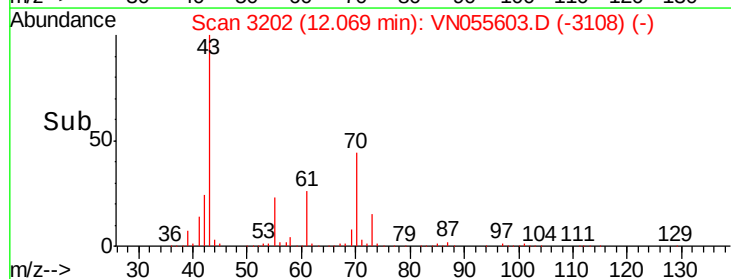
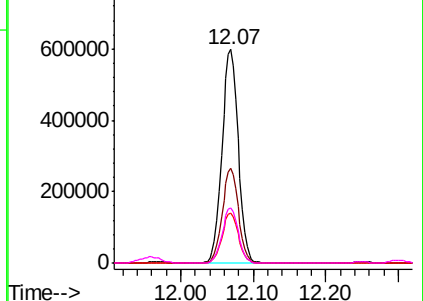


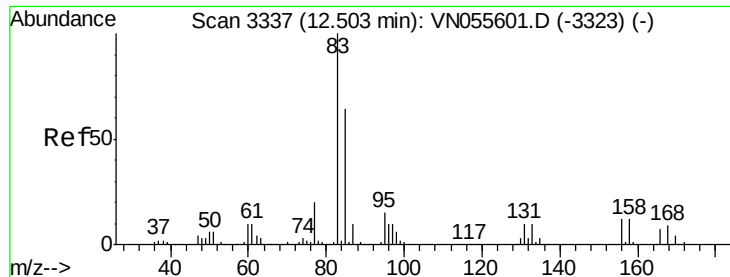
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 180.074 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

ClientSampled :

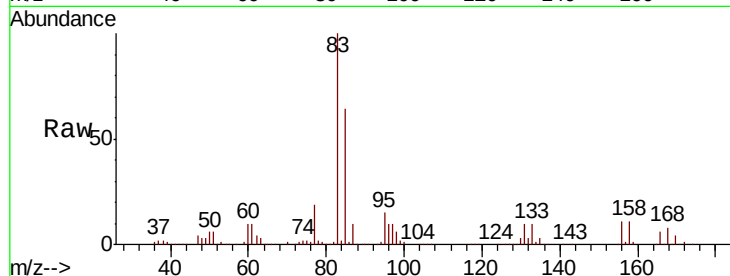
Tot Ion: 83 Resp: 700397

Ion Ratio Lower Upper

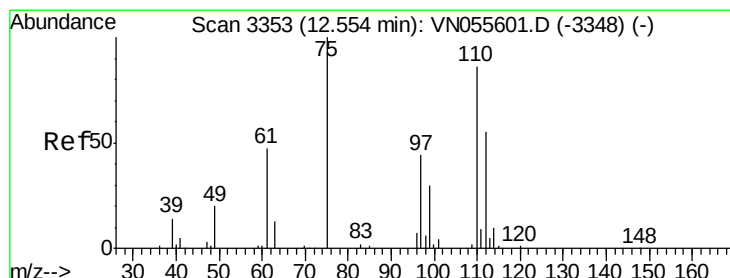
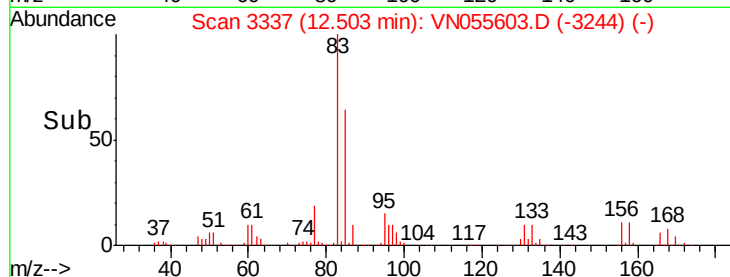
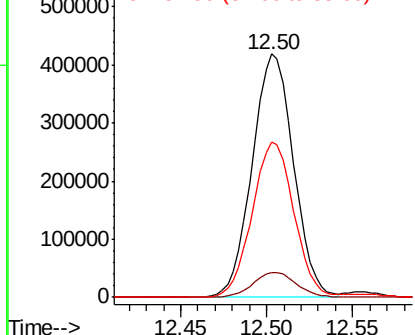
83 100

131 10.7 5.3 16.1

85 64.2 32.0 96.2



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



#76

1,2,3-Trichloropropane

Concen: 267.780 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055603.D

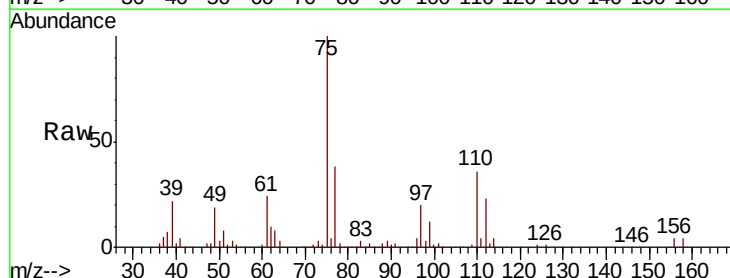
Acq: 17 May 2019 11:26

Tgt Ion: 75 Resp: 904596

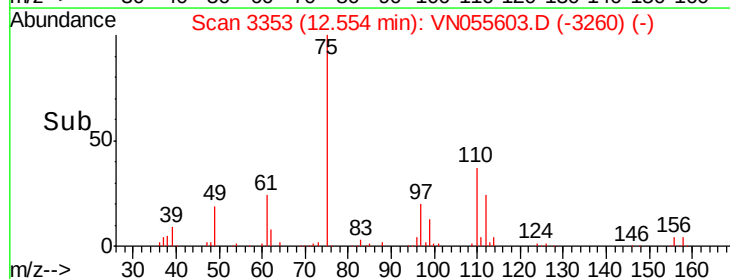
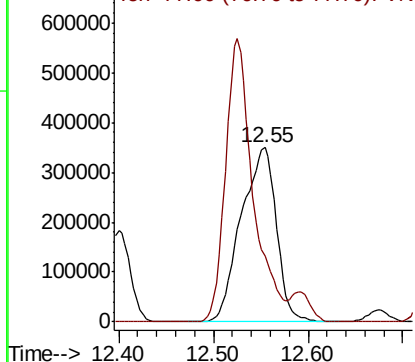
Ion Ratio Lower Upper

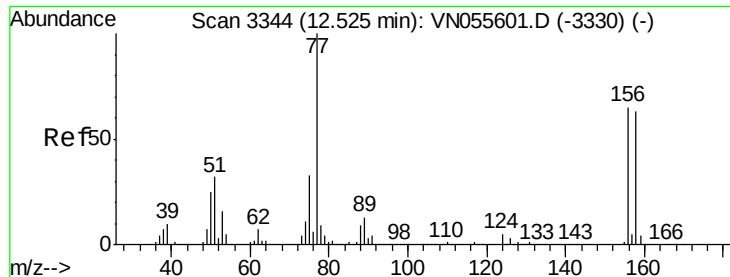
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 146.747 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

ClientSampled :

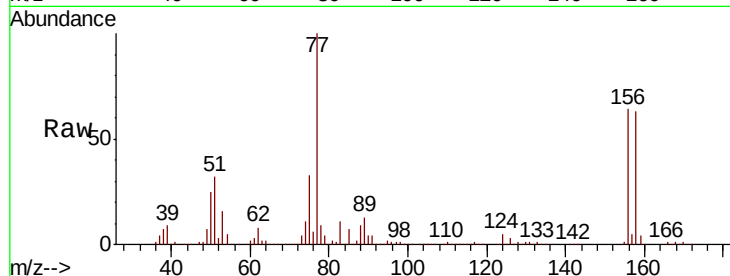
Tot Ion:156 Resp: 610895

Ion Ratio Lower Upper

156 100

77 188.8 94.5 283.5

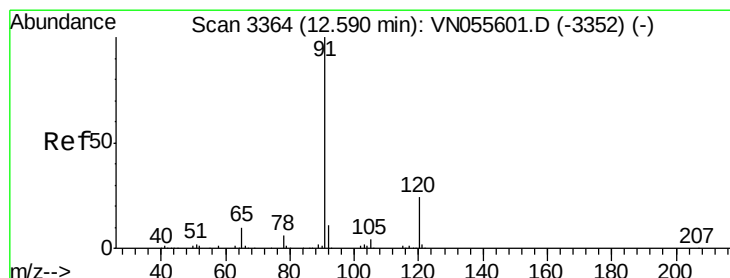
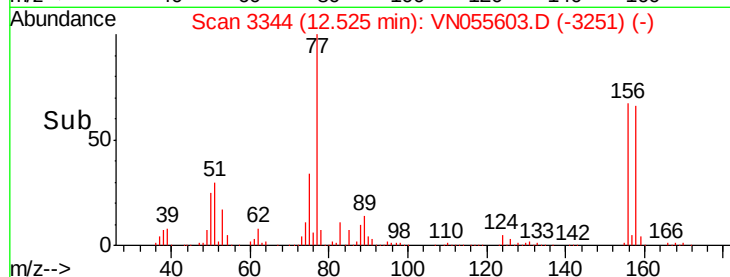
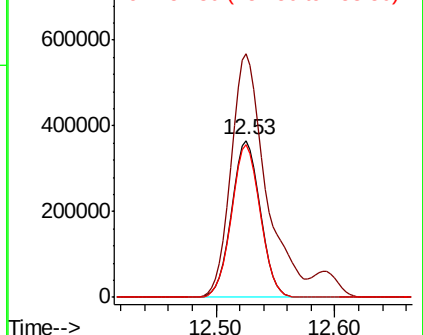
158 97.6 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 147.551 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055603.D

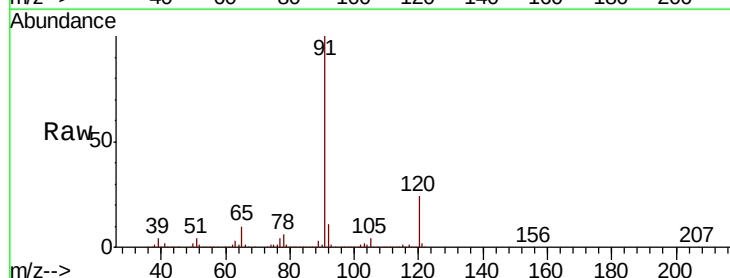
Acq: 17 May 2019 11:26

Tgt Ion: 91 Resp: 2557245

Ion Ratio Lower Upper

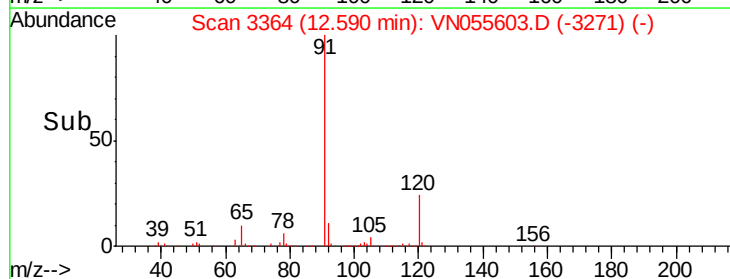
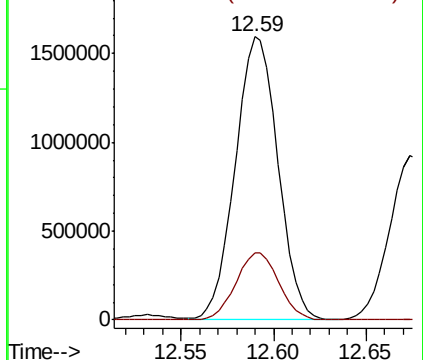
91 100

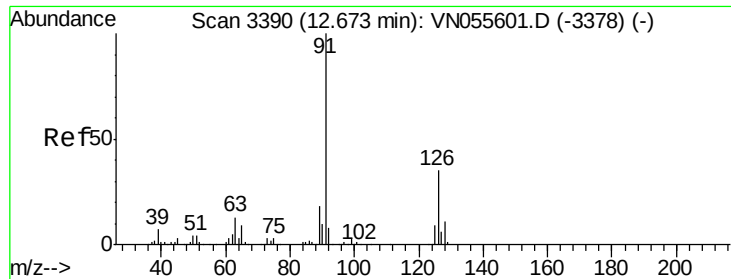
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 145.615 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

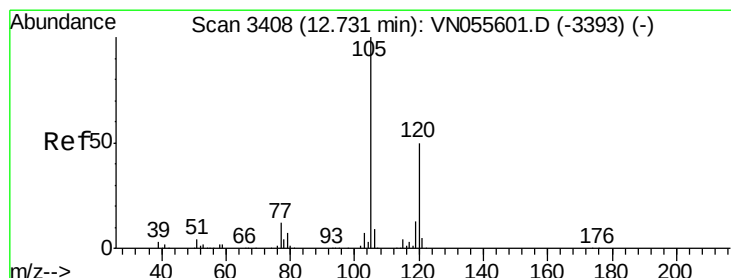
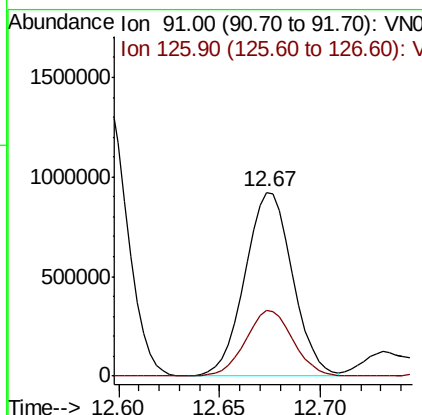
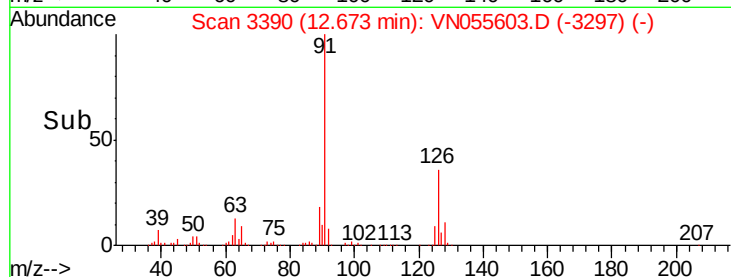
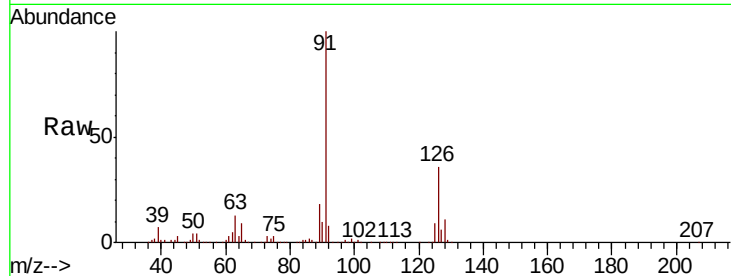
ClientSampleId :

Tot Ion: 91 Resp: 1525529

Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 147.877 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055603.D

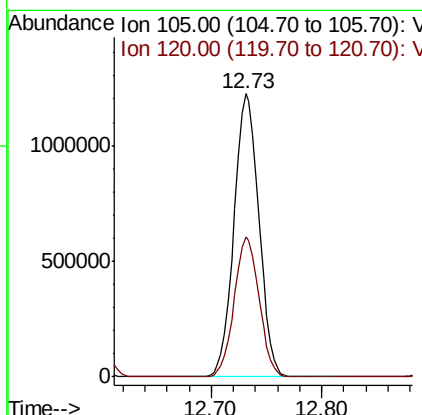
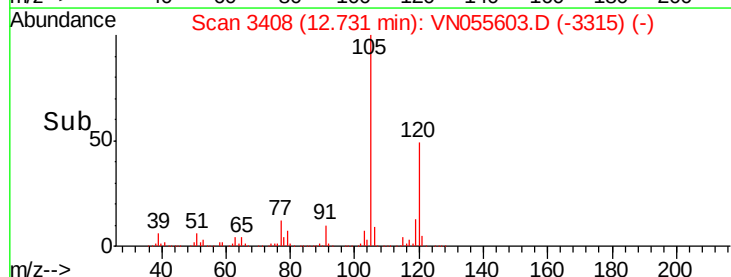
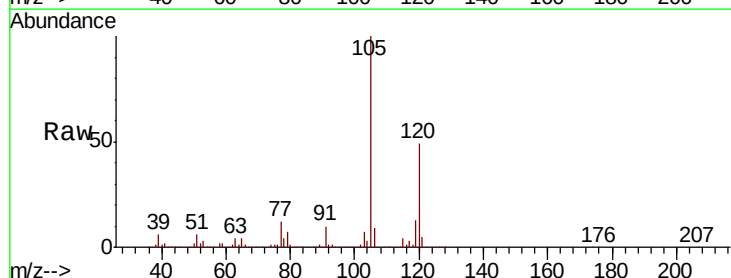
Acq: 17 May 2019 11:26

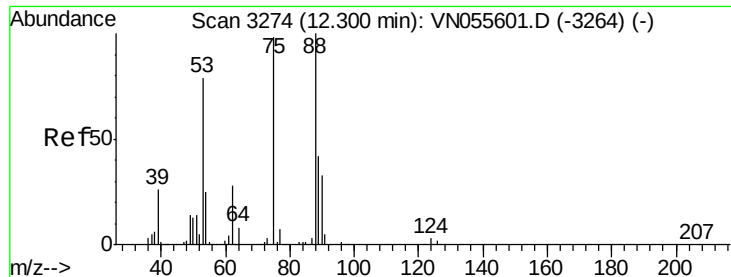
Tgt Ion:105 Resp: 1910032

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0

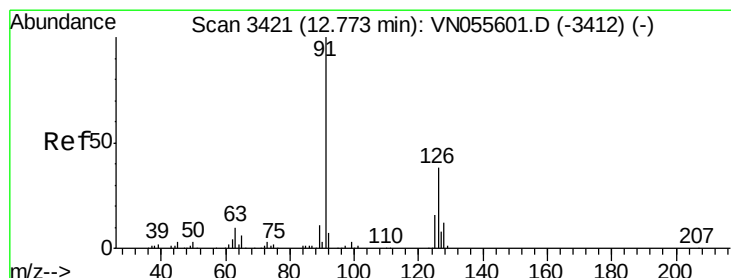
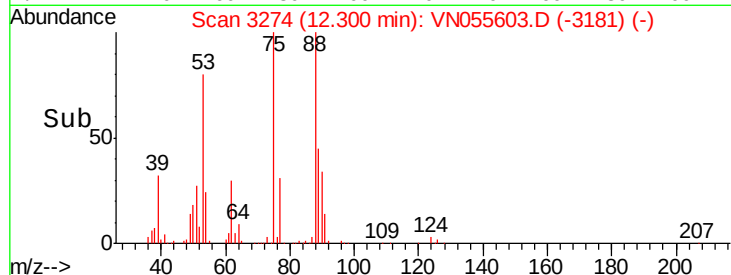
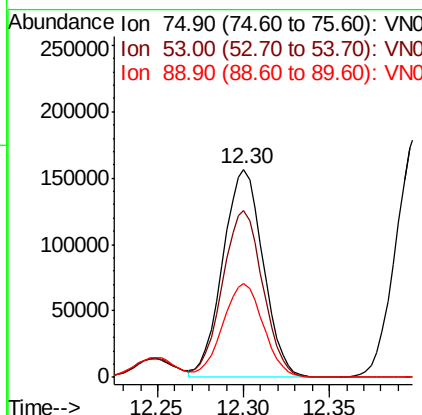
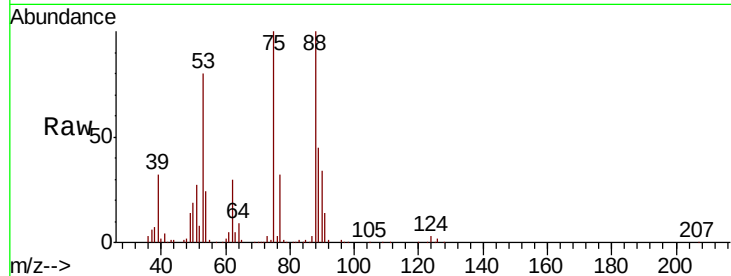




#81
trans-1,4-Dichloro-2-butene
Concen: 234.551 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

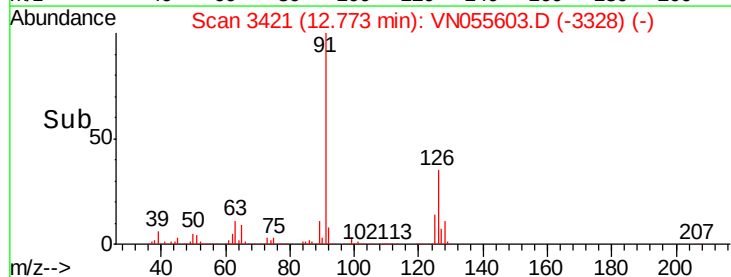
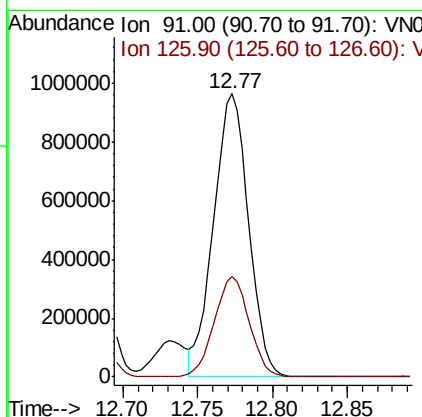
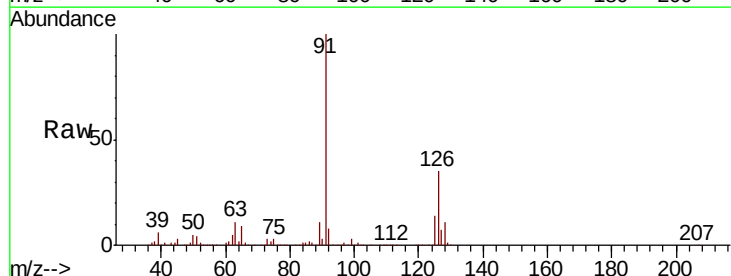
Instrument :
MSVOA_N
ClientSampleId :

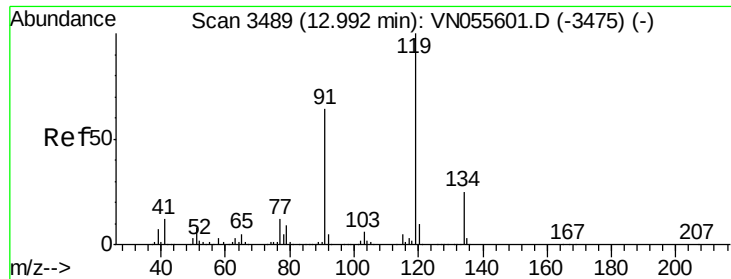
Tot Ion: 75 Resp: 256461
Ion Ratio Lower Upper
75 100
53 80.8 65.1 97.7
89 45.5 36.4 54.6



#82
4-Chlorotoluene
Concen: 150.335 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055603.D
Acq: 17 May 2019 11:26

Tgt Ion: 91 Resp: 1566746
Ion Ratio Lower Upper
91 100
126 35.3 17.5 52.6

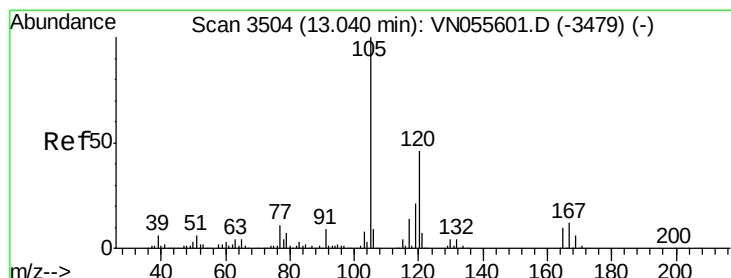
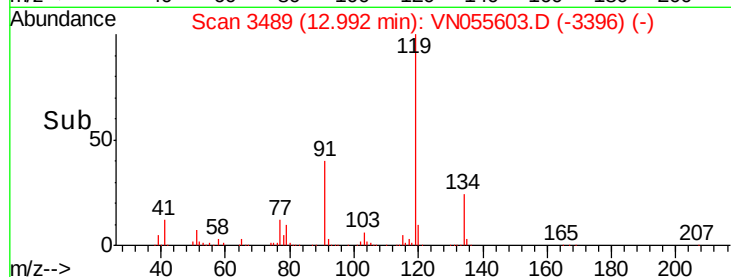
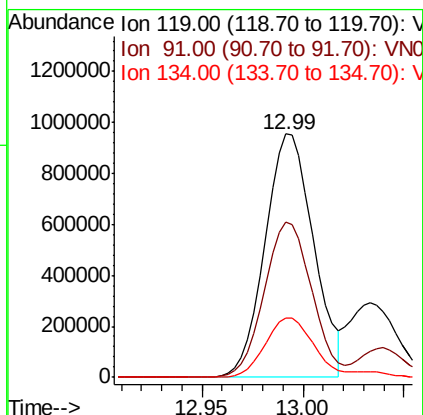
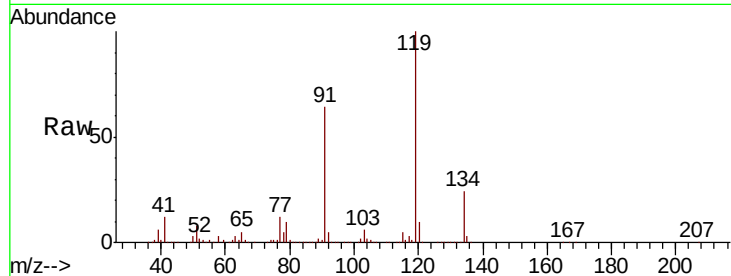




#83
 tert-Butylbenzene
 Concen: 138.525 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

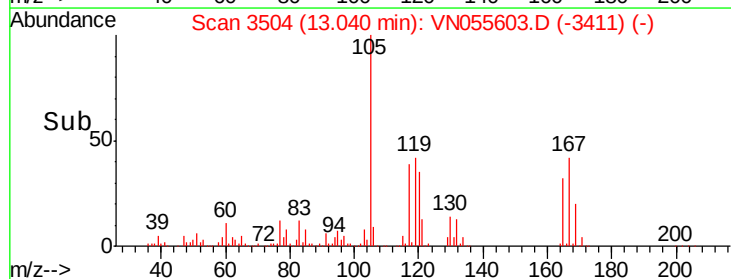
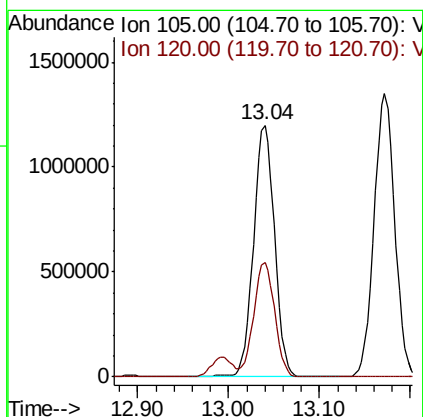
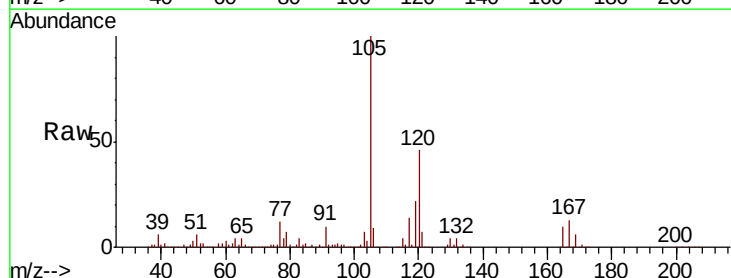
Instrument :
 MSVOA_N
 ClientSampleId :

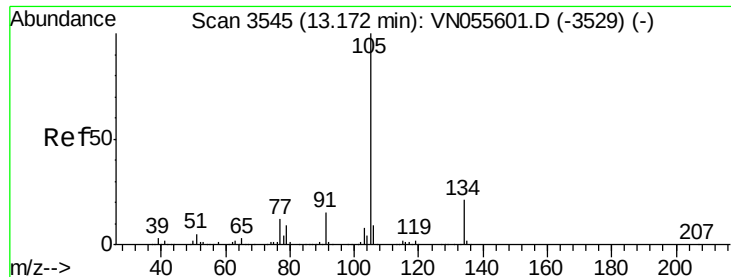
Tot Ion:119 Resp: 1599467
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.3 93.8
 134 26.1 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 148.852 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

Tgt Ion:105 Resp: 1919981
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 137.512 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

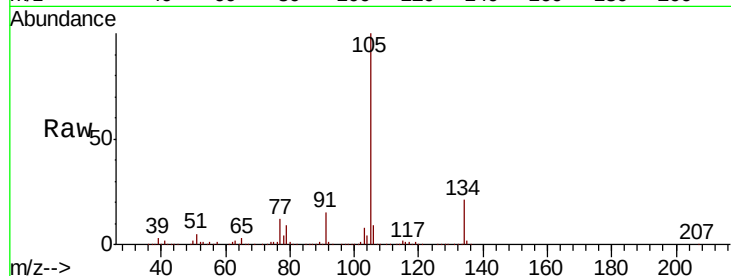
ClientSampled :

Tot Ion:105 Resp: 2125878

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

1500000

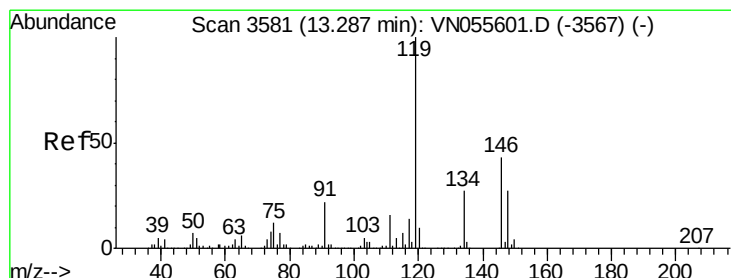
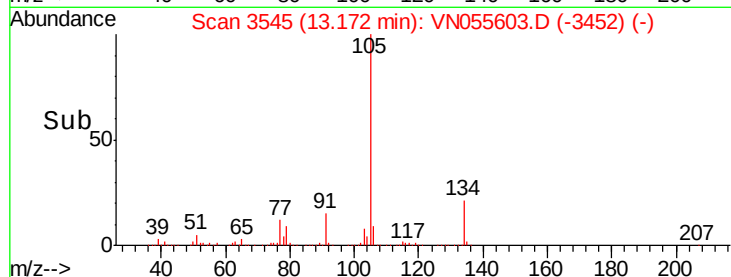
1000000

500000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 147.403 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

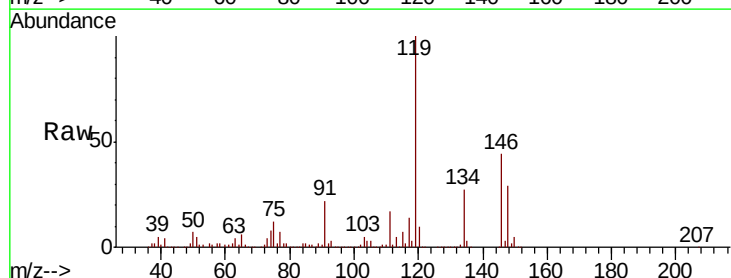
Tgt Ion:119 Resp: 1991326

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.2 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

1500000

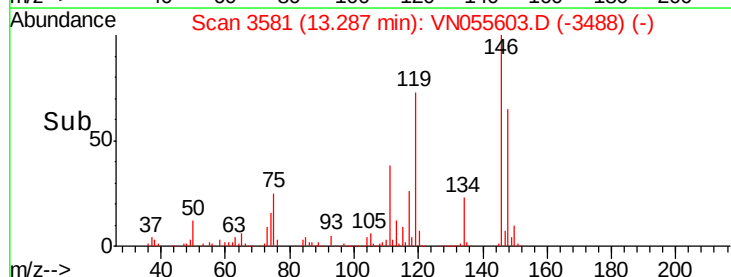
1000000

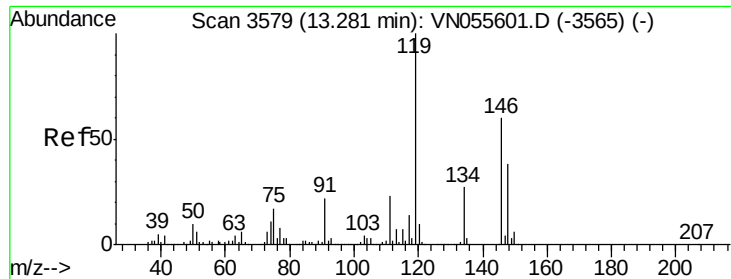
500000

0

Time-->

13.20 13.25 13.30 13.35

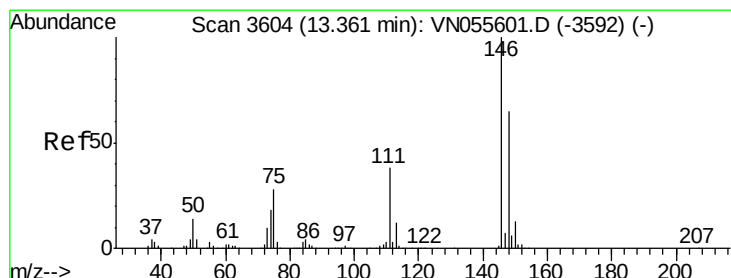
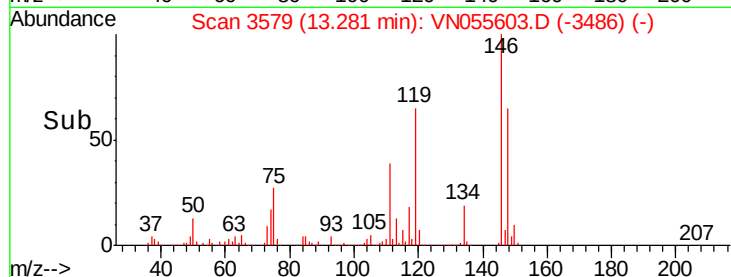
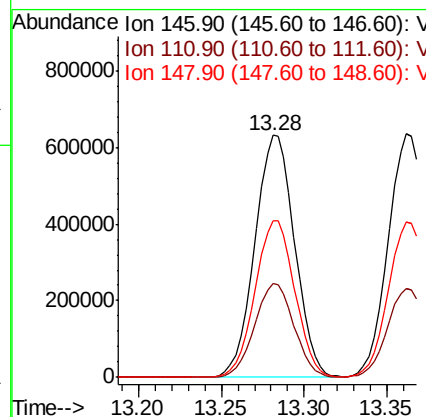
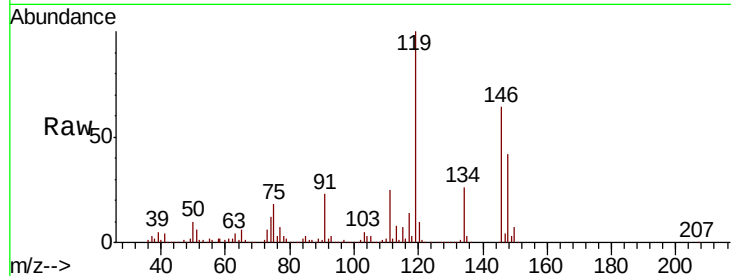




#87
 1,3-Dichlorobenzene
 Concen: 145.335 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

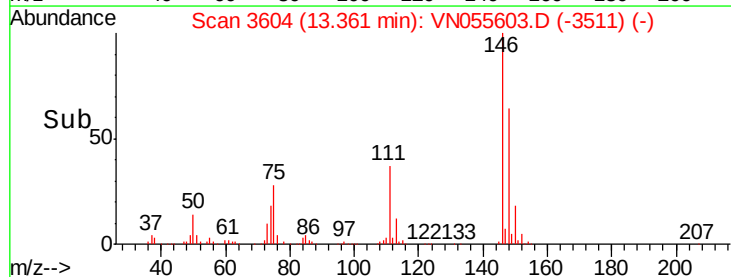
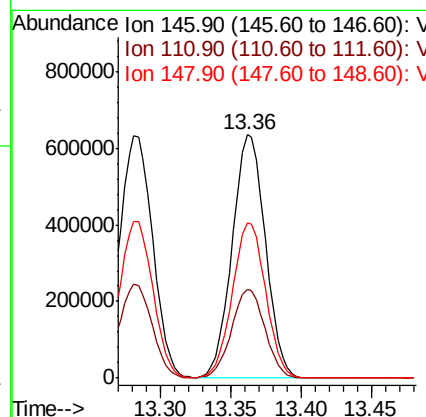
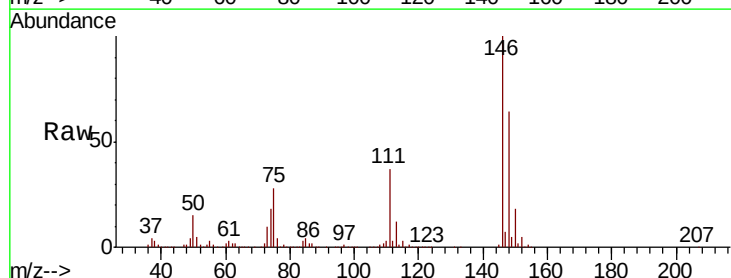
Instrument :
 MSVOA_N
 ClientSampled :

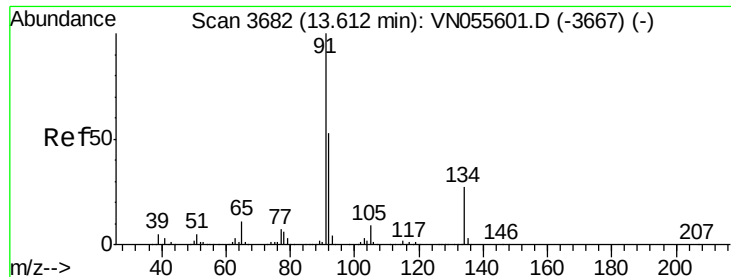
Tot Ion:146 Resp: 1052269
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.9 56.9
 148 64.5 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 143.892 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

Tgt Ion:146 Resp: 1047424
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.8 56.4
 148 64.1 32.4 97.0





#89

n-Butylbenzene

Concen: 152.119 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

ClientSampled :

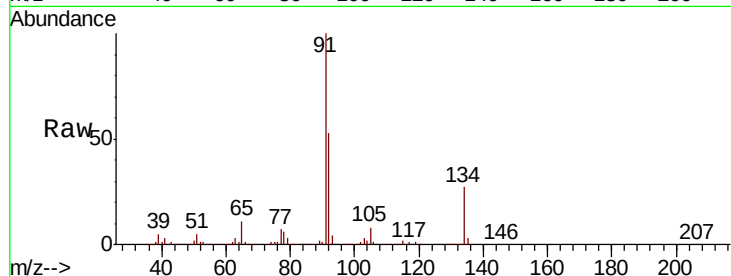
Tot Ion: 91 Resp: 1685000

Ion Ratio Lower Upper

91 100

92 52.8 26.4 79.0

134 27.5 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VN055603.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055603.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055603.D (-3682) (-)

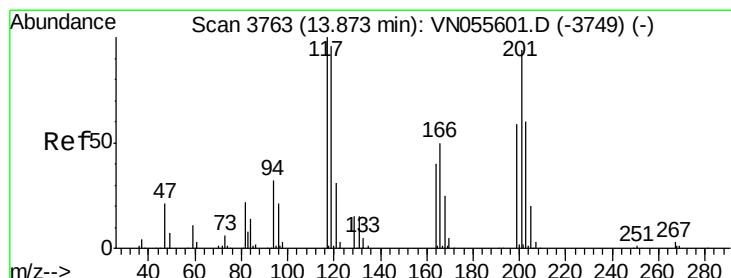
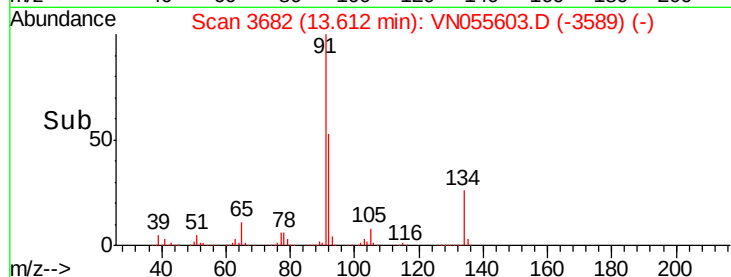
13.61

1000000

500000

0

Time-->



#90

Hexachloroethane

Concen: 143.568 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055603.D

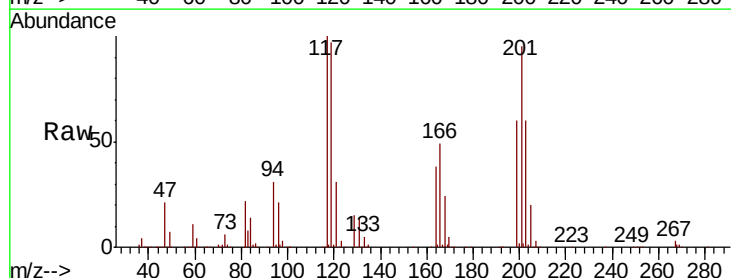
Acq: 17 May 2019 11:26

Tgt Ion: 117 Resp: 377677

Ion Ratio Lower Upper

117 100

201 95.7 47.1 141.3



Abundance Ion 116.80 (116.50 to 117.50): VN055603.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055603.D (-3763) (-)

13.87

250000

200000

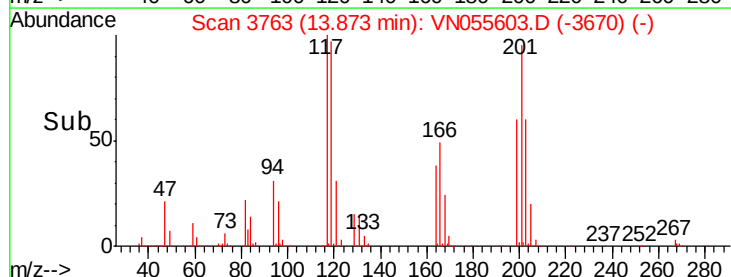
150000

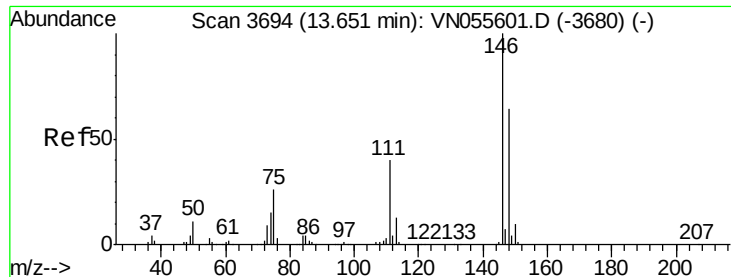
100000

50000

0

Time-->

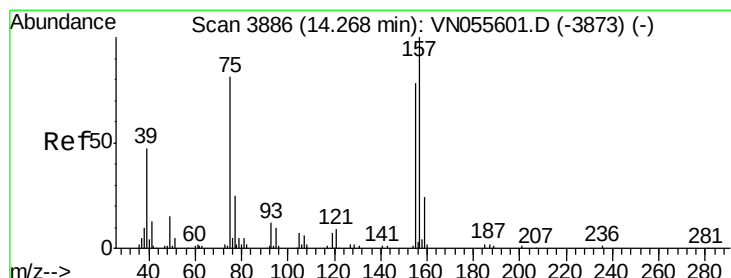
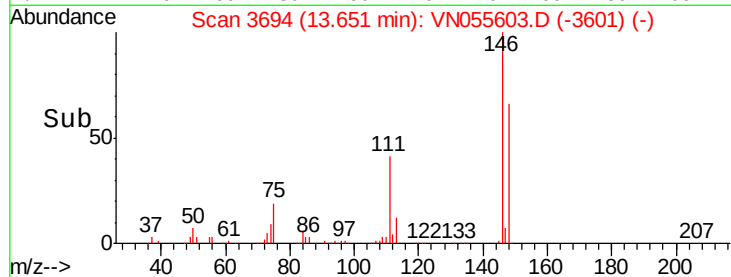
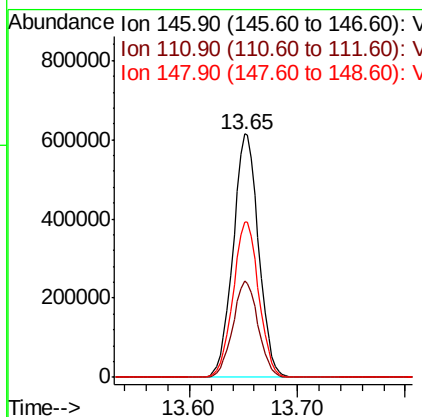
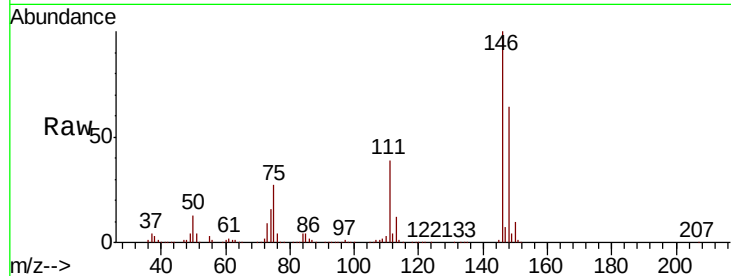




#91
 1,2-Dichlorobenzene
 Concen: 142.037 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

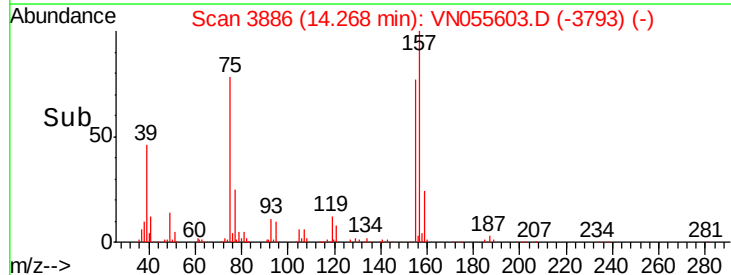
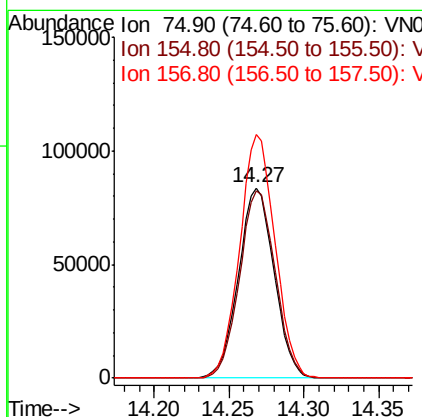
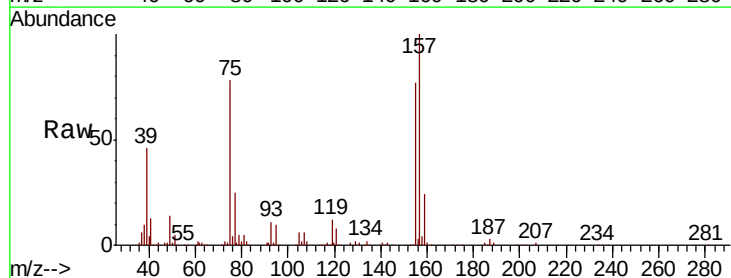
Instrument :
 MSVOA_N
 ClientSampleId :

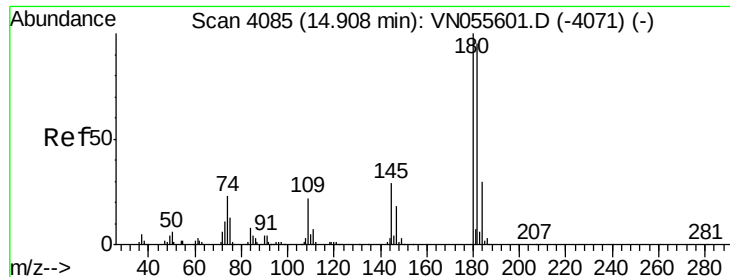
Tot Ion:146 Resp: 1010916
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.7 59.0
 148 64.3 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 226.535 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

Tgt Ion: 75 Resp: 139009
 Ion Ratio Lower Upper
 75 100
 155 98.7 48.4 145.0
 157 126.8 62.3 186.8

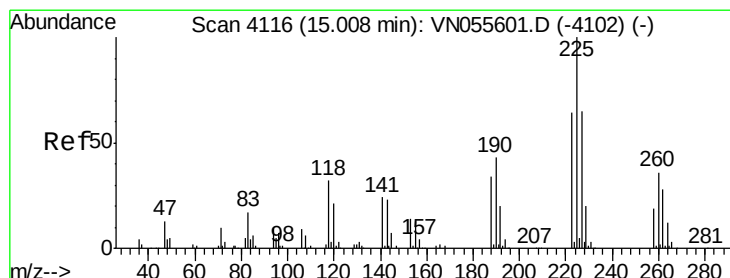
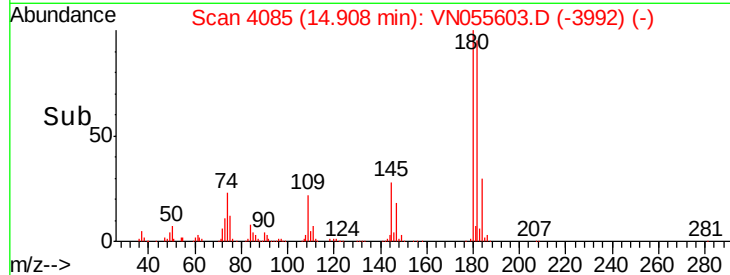
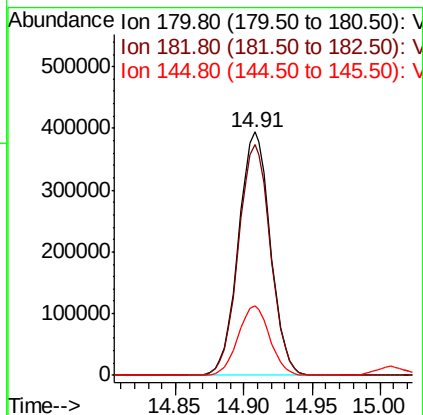
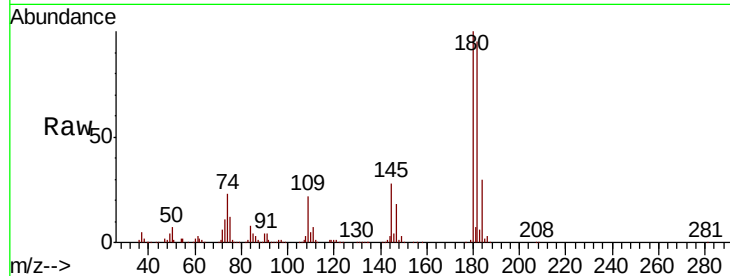




#93
 1,2,4-Trichlorobenzene
 Concen: 171.666 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

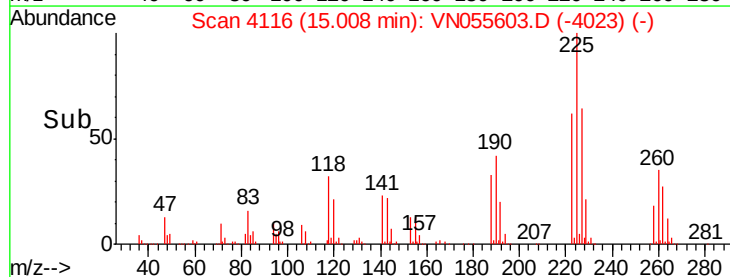
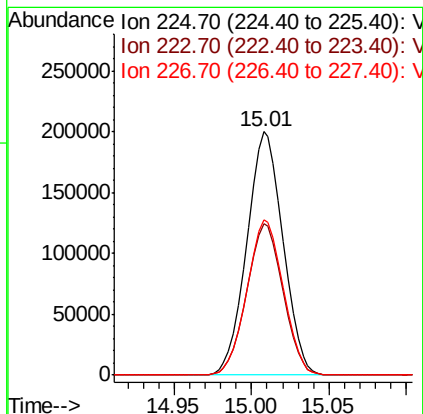
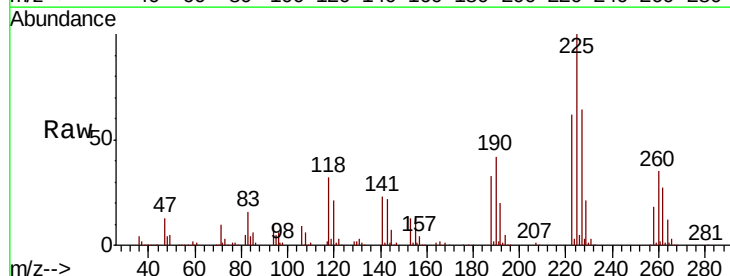
Instrument :
 MSVOA_N
 ClientSampled :

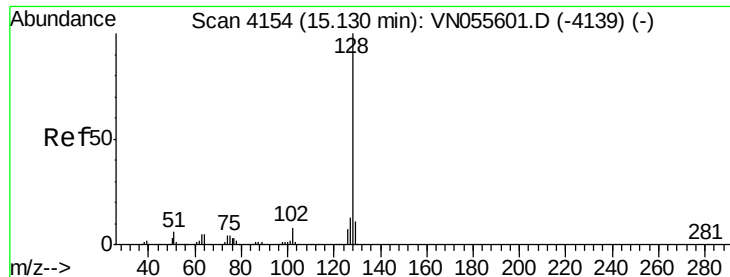
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.6
145	28.4	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 110.169 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055603.D
 Acq: 17 May 2019 11:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.6	94.7
227	64.1	32.4	97.0





#95

Naphthalene

Concen: 237.315 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

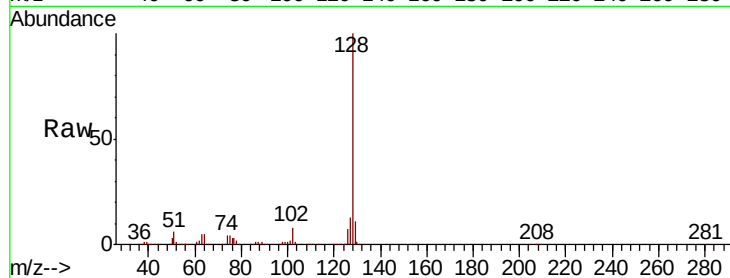
Tot Ion:128 Resp: 1774481

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

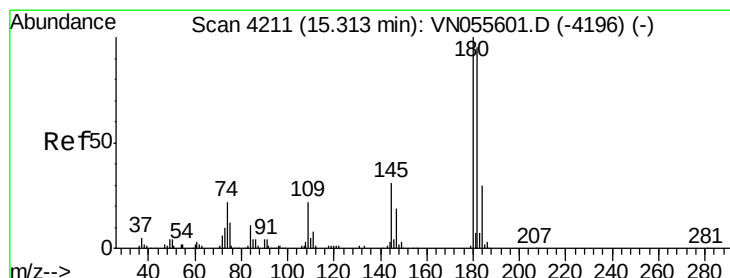
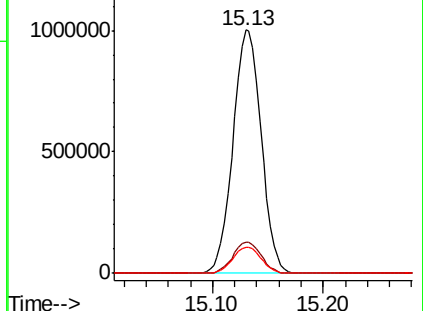
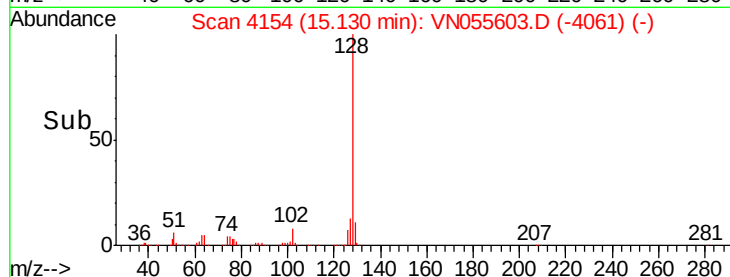
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 172.062 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055603.D

Acq: 17 May 2019 11:26

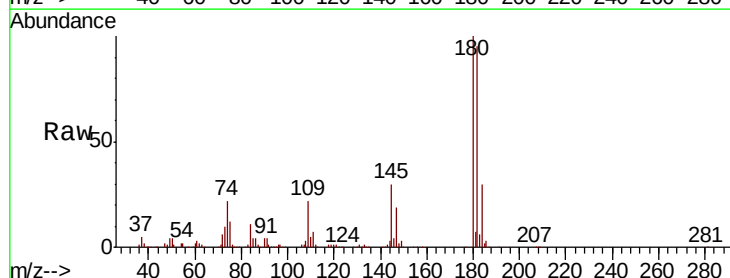
Tgt Ion:180 Resp: 623988

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.6

145 30.4 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

