

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041219\
 Data File : VN054995.D
 Acq On : 12 Apr 2019 13:02
 Operator : JC/SP
 Sample : VN0412WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 23:05:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	74164	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	394509	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	345564	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	163351	28.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.33%
60) 4-Bromofluorobenzene	12.40	95	157725	29.32	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.73%
63) Toluene-d8	10.09	98	496261	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	84030	19.265	ug/l 99
3) Chloromethane	2.06	50	118003	20.027	ug/l 97
4) Vinyl Chloride	2.19	62	100986	19.819	ug/l 98
5) Bromomethane	2.56	94	58192	19.744	ug/l 96
6) Chloroethane	2.71	64	55982	19.617	ug/l 98
7) Trichlorofluoromethane	3.02	101	128564	19.745	ug/l 96
8) Diethyl Ether	3.41	74	41878	20.032	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	69569	19.546	ug/l 97
10) 1,1-Dichloroethene	3.73	96	62975	19.137	ug/l 99
11) Methyl Iodide	3.94	142	99229	19.926	ug/l 99
12) Methyl Acetate	4.33	43	87842	21.702	ug/l 100
13) Acrolein	3.61	56	33158	93.471	ug/l 99
14) Acrylonitrile	4.99	53	172299	103.901	ug/l 99
15) Acetone	3.82	58	35767	87.162	ug/l 98
16) Carbon Disulfide	4.04	76	206625	18.719	ug/l 98
17) Allyl chloride	4.32	41	162544	20.058	ug/l 97
18) Methylene Chloride	4.54	84	98474	20.244	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	86195	20.121	ug/l 97
20) Diisopropyl ether	5.96	45	327664	19.959	ug/l 97
21) 1,1-Dichloroethane	5.85	63	176900	20.174	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	97909	19.664	ug/l 99
23) tert-Butyl Alcohol	4.82	59	29052	109.871	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	231250	20.928	ug/l # 67
25) Chloroform	7.37	83	169566	20.188	ug/l 99
26) Cyclohexane	7.65	56	158713	19.508	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	123237	20.058	ug/l 99
30) 2-Butanone	6.85	43	210425	103.177	ug/l 100
31) 2,2-Dichloropropane	6.82	77	112896	19.964	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	134577	20.723	ug/l 99
33) Carbon Tetrachloride	7.77	117	112998	20.098	ug/l 98
34) Benzene	8.04	78	374362	20.561	ug/l 98
35) Methacrylonitrile	7.18	41	51728	21.519	ug/l 98
36) 1,2-Dichloroethane	8.12	62	132714	21.327	ug/l 99
37) Trichloroethene	8.83	130	93210	20.082	ug/l 95
38) Methylcyclohexane	9.08	83	138822	19.484	ug/l 99
39) 1,2-Dichloropropane	9.12	63	105782	21.041	ug/l 99
40) Dibromomethane	9.21	93	59966	21.102	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	120367	20.524	ug/l	95
42) Vinyl Acetate	5.90	43	1077658	104.520	ug/l	100
43) Ethyl Acetate	6.94	43	88165	21.220	ug/l	94
44) Isopropyl Acetate	8.17	43	151026	21.449	ug/l	97
45) 1,4-Dioxane	9.21	88	16523	423.573	ug/l	92
46) Methyl methacrylate	9.20	41	79628	21.861	ug/l	92
47) n-amyl Acetate	12.07	43	106520	20.540	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	105067	19.509	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	130984	19.701	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	81732	21.176	ug/l	100
51) Ethyl methacrylate	10.43	69	92953	20.203	ug/l	98
52) 1,3-Dichloropropane	10.71	76	141920	20.984	ug/l	100
53) Dibromochloromethane	10.90	129	79697	20.046	ug/l	99
54) 1,2-Dibromoethane	11.01	107	74972	20.691	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	183447	95.374	ug/l	99
56) Bromoform	12.13	173	46465	18.600	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	437265	109.725	ug/l	98
59) 2-Hexanone	10.75	43	268546	106.076	ug/l	98
61) Tetrachloroethene	10.63	164	93627	20.819	ug/l	97
62) Toluene	10.16	91	395607	20.777	ug/l	99
64) Chlorobenzene	11.43	112	235642	20.500	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	84074	20.565	ug/l	99
66) Ethyl Benzene	11.51	91	410275	20.101	ug/l	98
67) m/p-Xylenes	11.62	106	313343	41.301	ug/l	97
68) o-Xylene	11.95	106	153278	20.444	ug/l	100
69) Styrene	11.96	104	230083	19.763	ug/l	98
70) Isopropylbenzene	12.25	105	408829	20.395	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	100167	21.847	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	114688	30.290	ug/l	57
73) Bromobenzene	12.53	156	93929	19.824	ug/l	97
74) n-propylbenzene	12.59	91	449640	20.036	ug/l	99
75) 2-Chlorotoluene	12.67	91	278354	20.566	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	330840	20.414	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17468	18.302	ug/l	93
78) 4-Chlorotoluene	12.77	91	255660	19.824	ug/l	100
79) tert-butylbenzene	12.99	119	286143	20.405	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	320733	20.145	ug/l	97
81) sec-Butylbenzene	13.17	105	379392	20.248	ug/l	99
82) p-Isopropyltoluene	13.29	119	307332	19.435	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	156635	19.761	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	143753	19.085	ug/l	99
85) n-Butylbenzene	13.61	91	225415	17.895	ug/l	99
86) Hexachloroethane	13.87	117	48529	19.171	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	159173	20.505	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12551	20.597	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	59399	17.115	ug/l	97
90) Hexachlorobutadiene	15.01	225	48345	19.106	ug/l	98
91) Naphthalene	15.13	128	131201	18.054	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	62928	18.130	ug/l	98

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QLast Update : Fri Apr 12 07:55:25 2019
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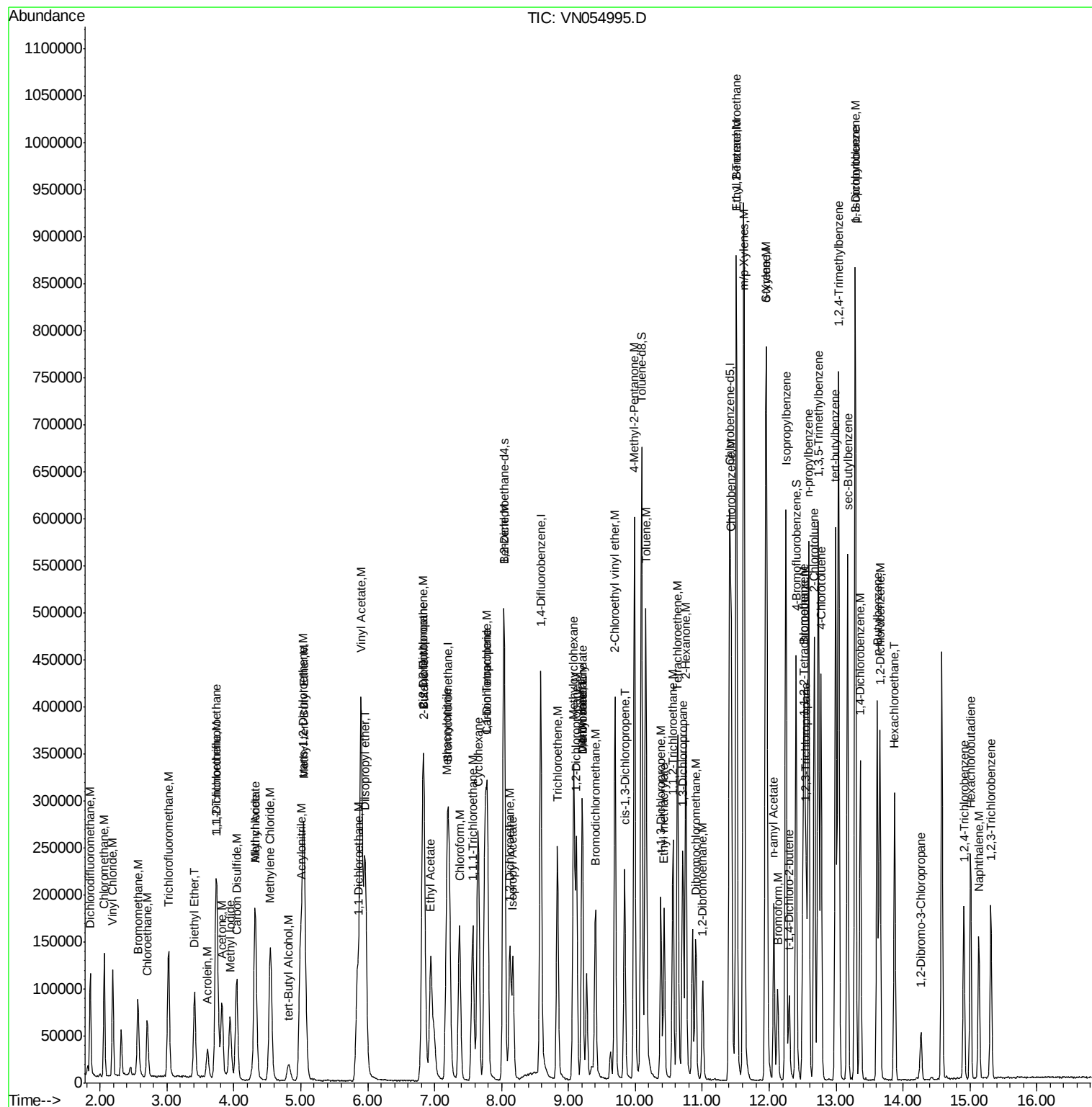
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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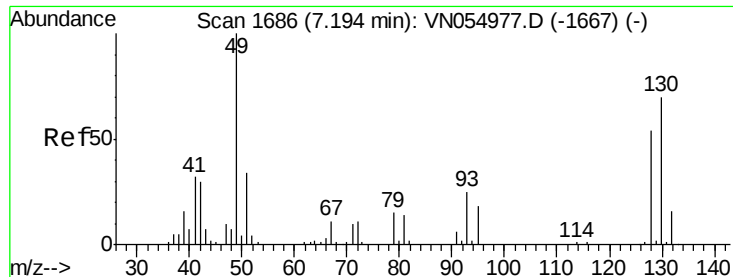
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 12 23:05:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampled :

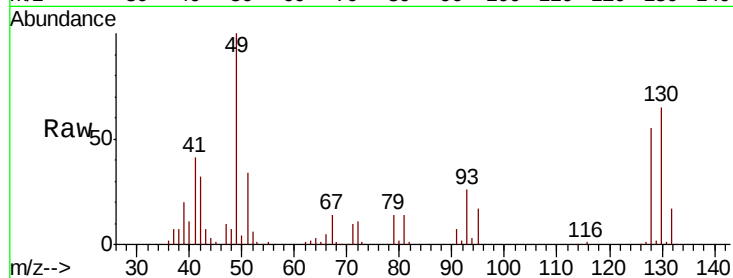
Tot Ion:128 Resp: 74164

Ion Ratio Lower Upper

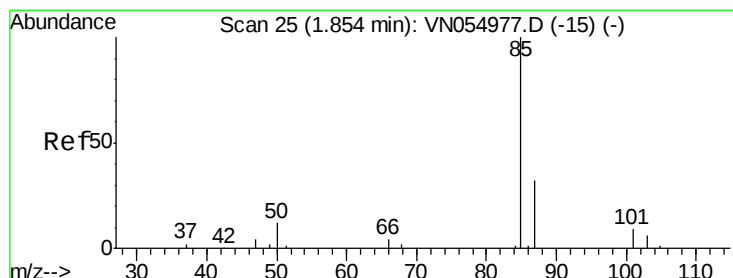
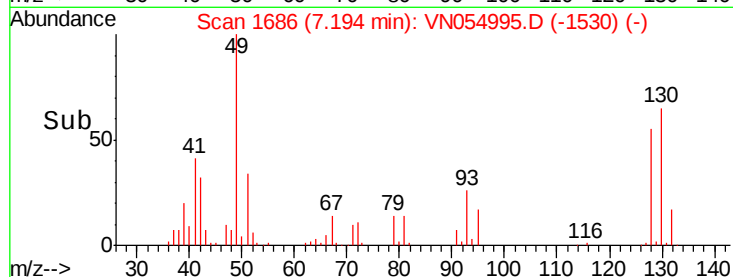
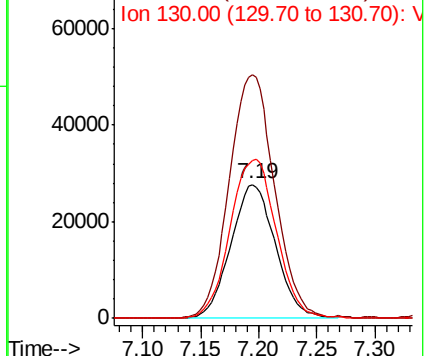
128 100

49 184.7 0.0 480.3

130 123.4 0.0 322.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.265 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054995.D

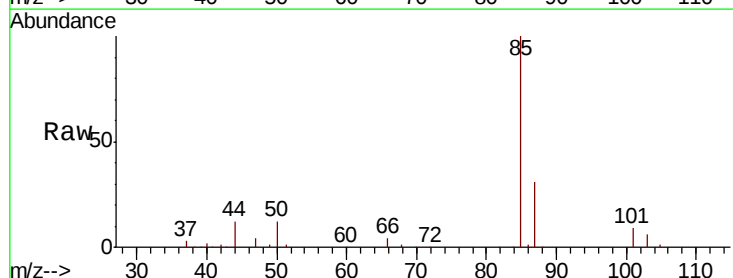
Acq: 12 Apr 2019 13:02

Tgt Ion: 85 Resp: 84030

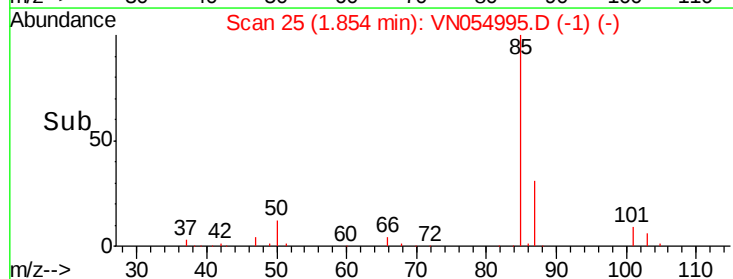
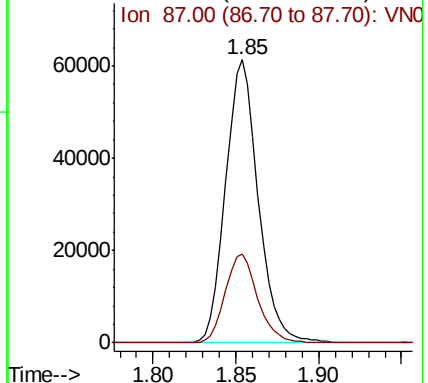
Ion Ratio Lower Upper

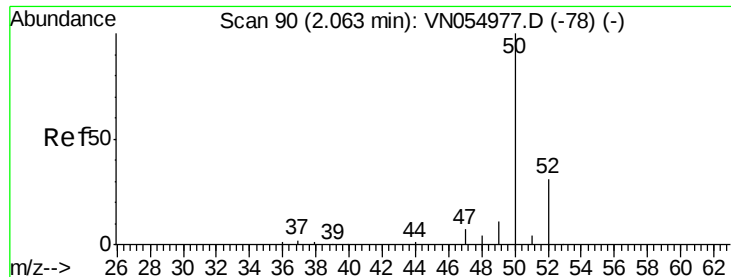
85 100

87 31.5 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.027 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

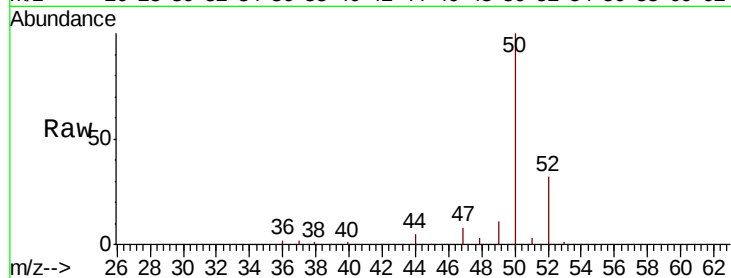
ClientSampleId :

Tot Ion: 50 Resp: 118003

Ion Ratio Lower Upper

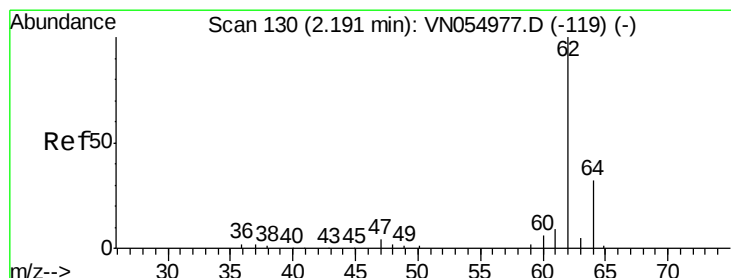
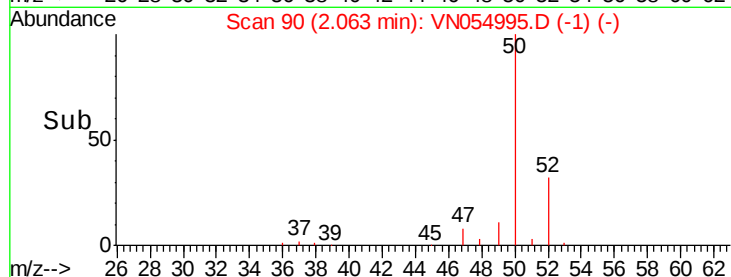
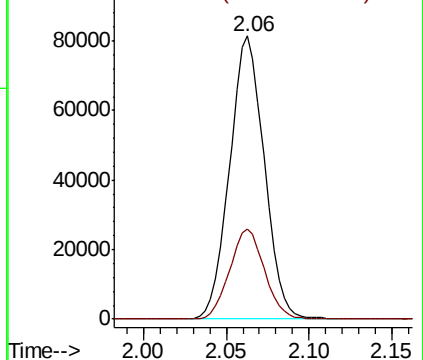
50 100

52 32.0 24.5 36.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.819 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054995.D

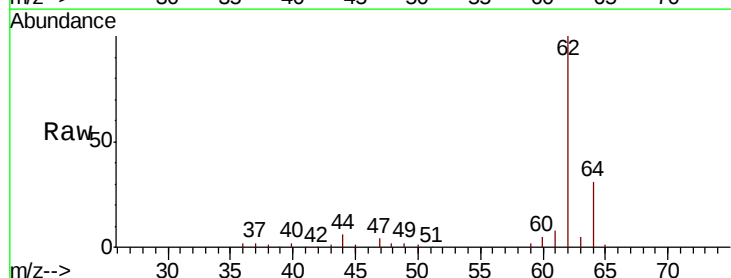
Acq: 12 Apr 2019 13:02

Tgt Ion: 62 Resp: 100986

Ion Ratio Lower Upper

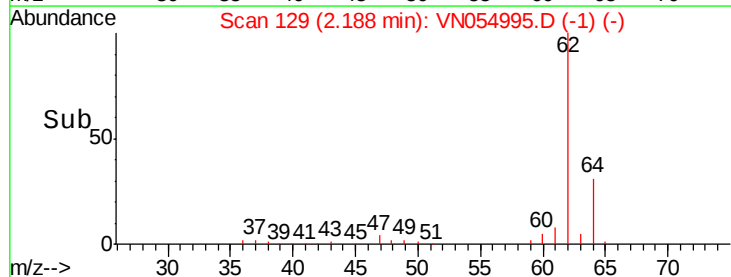
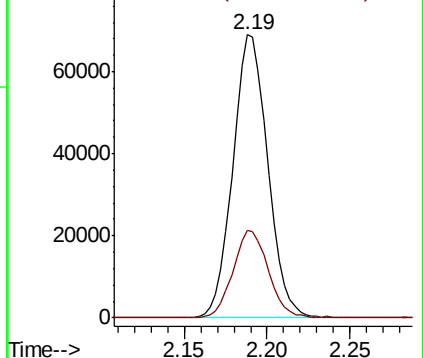
62 100

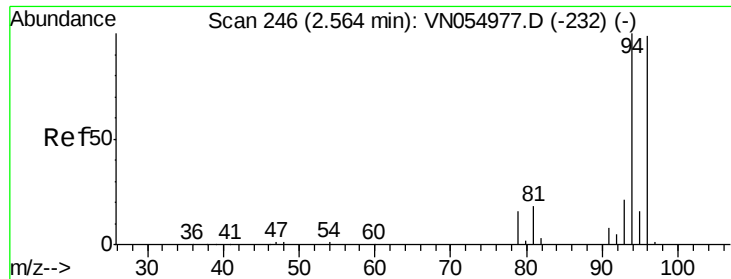
64 30.7 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

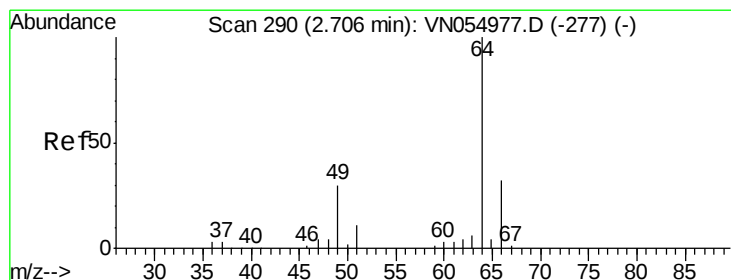
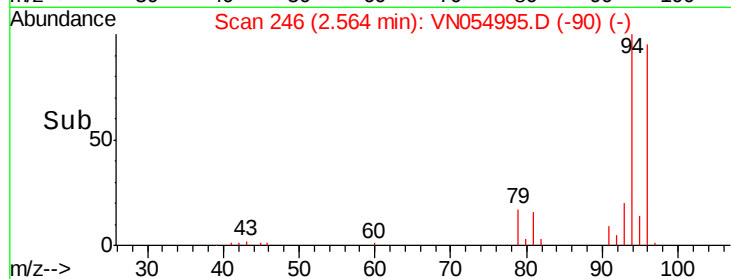
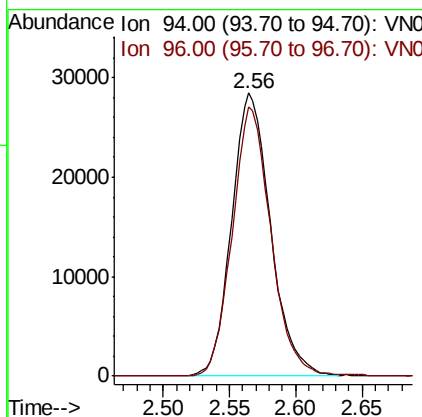
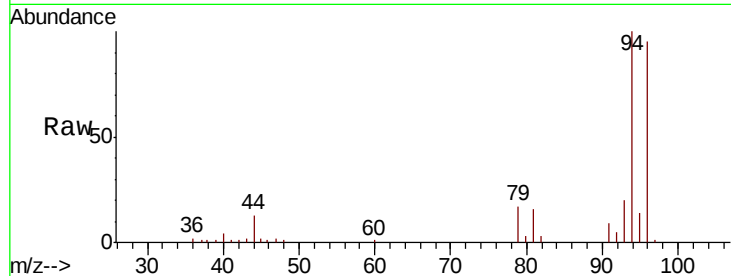




#5
Bromomethane
Concen: 19.744 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

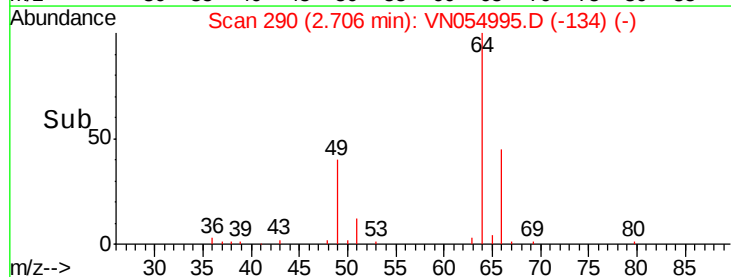
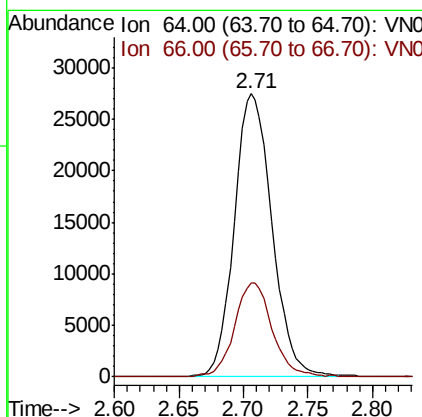
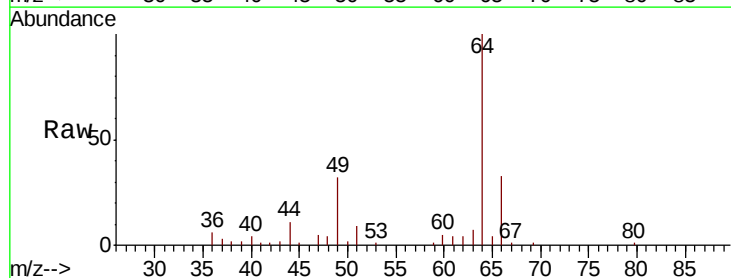
Instrument :
MSVOA_N
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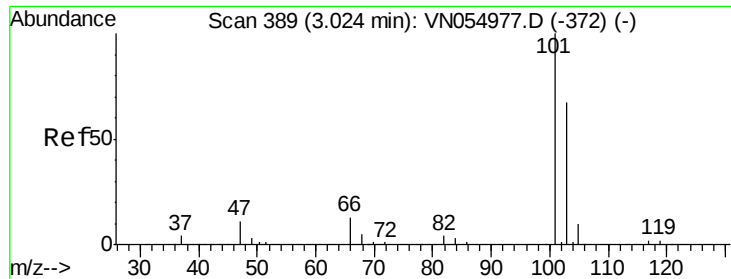
Tot Ion: 94 Resp: 58192
Ion Ratio Lower Upper
94 100
96 95.1 79.1 118.7



#6
Chloroethane
Concen: 19.617 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 64 Resp: 55982
Ion Ratio Lower Upper
64 100
66 33.3 25.7 38.5



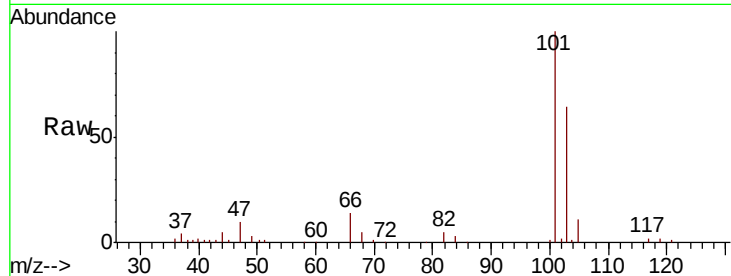


#7

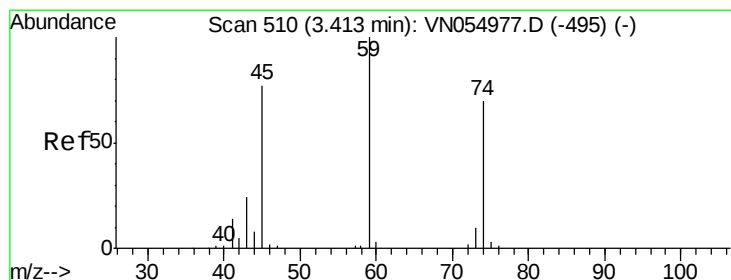
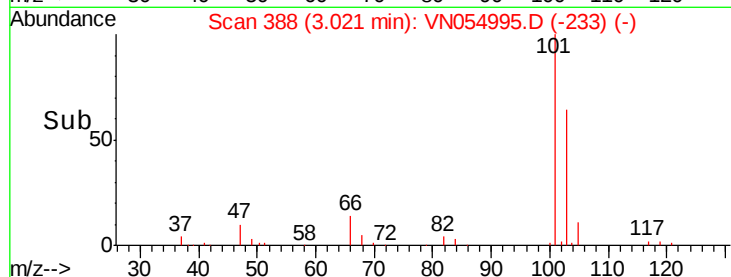
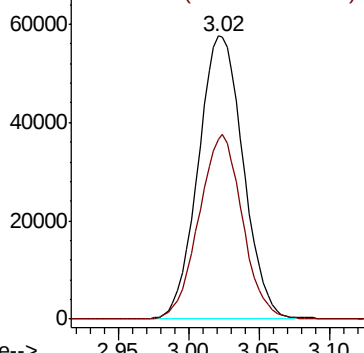
Trichlorofluoromethane
 Concen: 19.745 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:101 Resp: 128564
 Ion Ratio Lower Upper
 101 100
 103 63.7 53.4 80.0



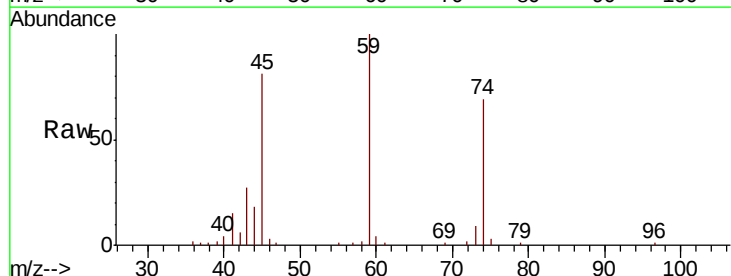
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



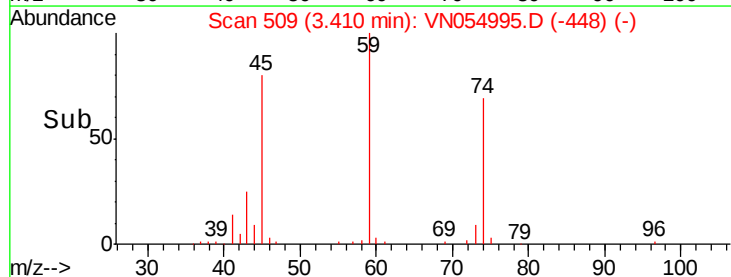
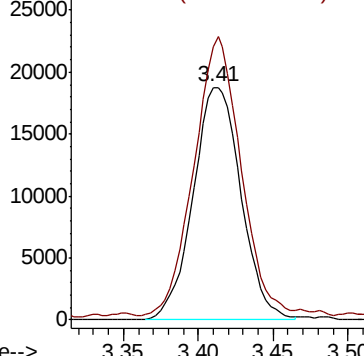
#8

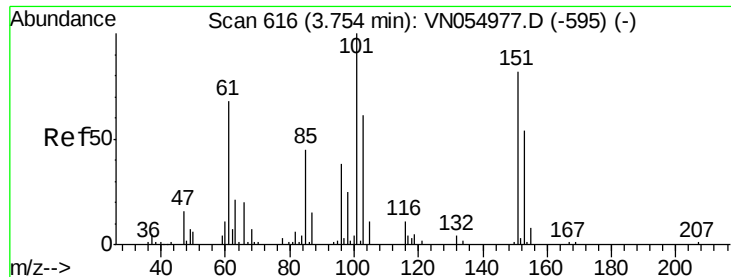
Diethyl Ether
 Concen: 20.032 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion: 74 Resp: 41878
 Ion Ratio Lower Upper
 74 100
 45 116.4 22.9 205.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.546 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

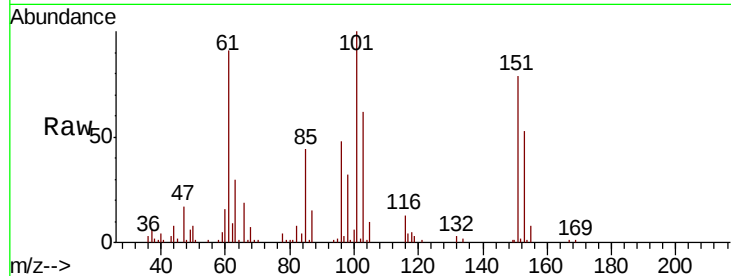
Tot Ion:101 Resp: 69569

Ion Ratio Lower Upper

101 100

85 44.4 0.0 91.4

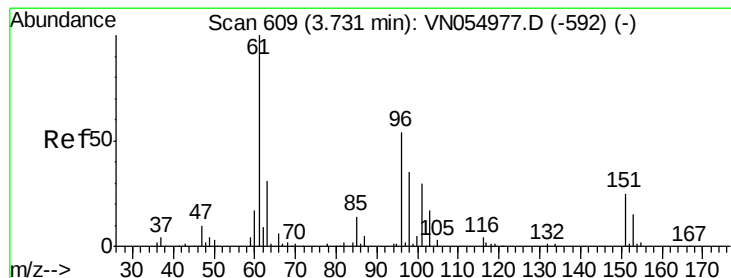
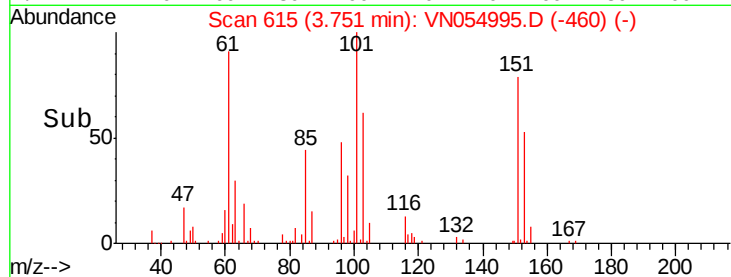
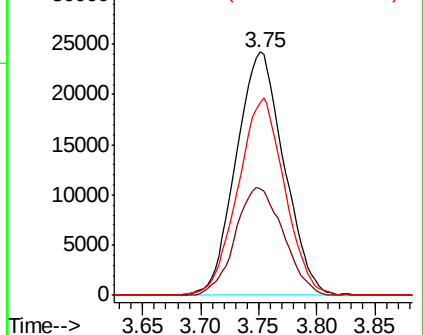
151 79.0 0.0 165.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.137 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

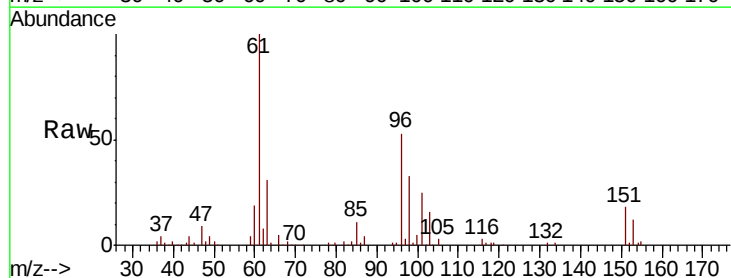
Tgt Ion: 96 Resp: 62975

Ion Ratio Lower Upper

96 100

61 186.2 148.4 222.6

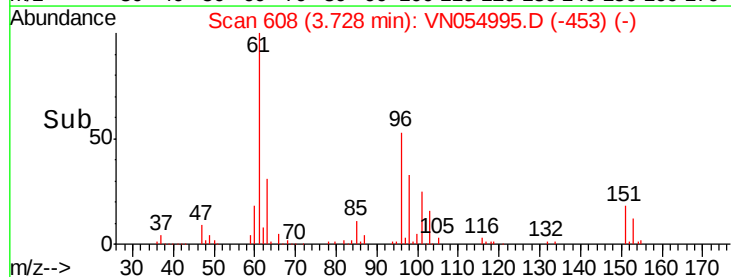
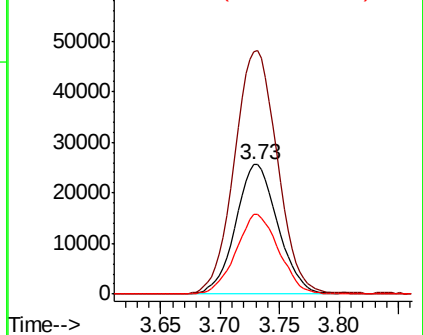
98 61.7 52.2 78.2

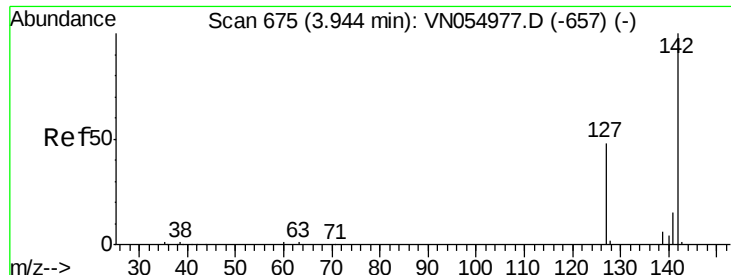


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

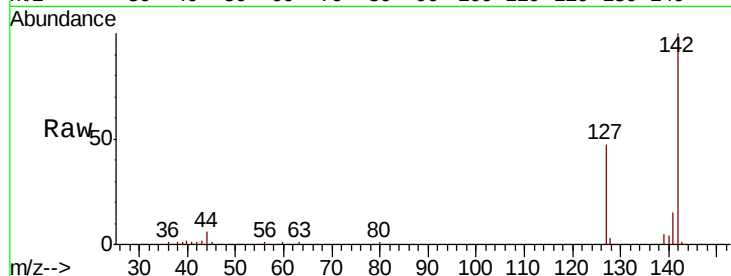




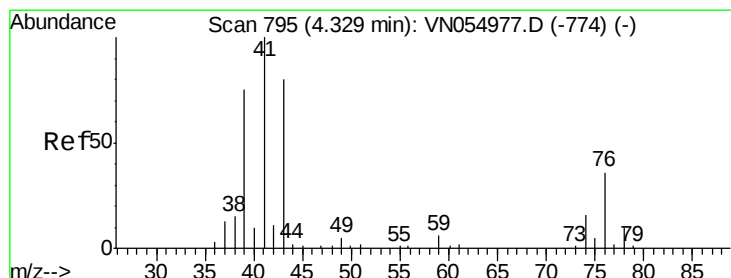
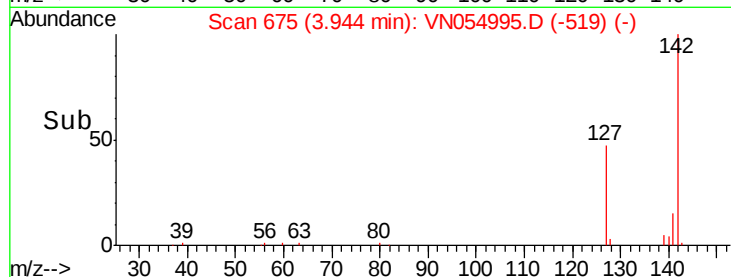
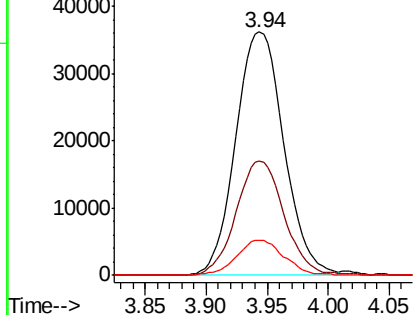
#11
Methyl Iodide
Concen: 19.926 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:142 Resp: 99229
Ion Ratio Lower Upper
142 100
127 47.0 23.8 71.5
141 14.7 7.3 22.0

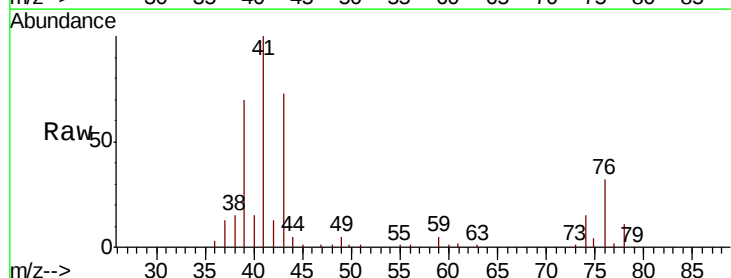


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

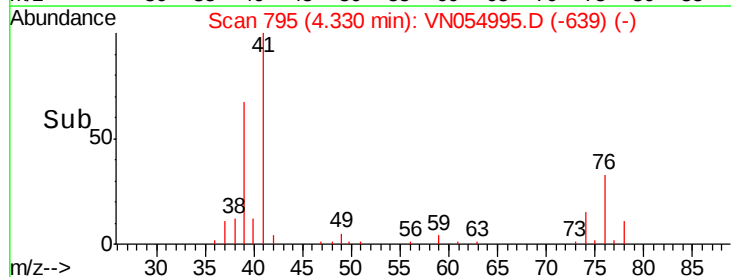
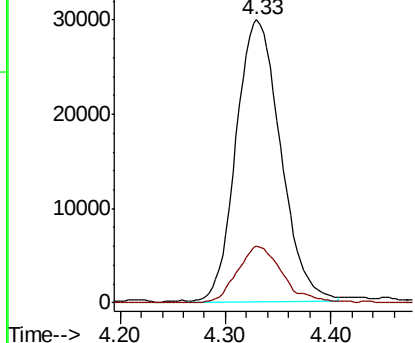


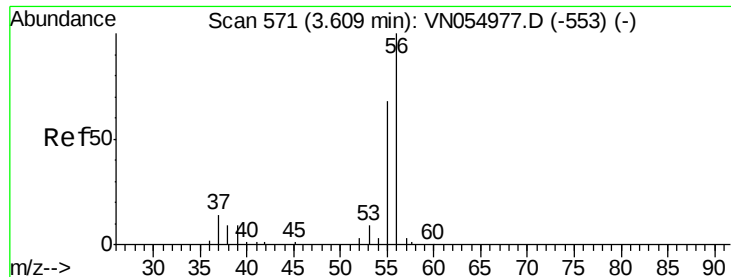
#12
Methyl Acetate
Concen: 21.702 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 43 Resp: 87842
Ion Ratio Lower Upper
43 100
74 20.1 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 93.471 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

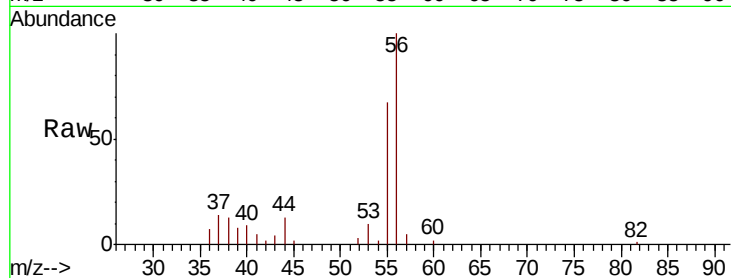
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 33158

Ion Ratio Lower Upper

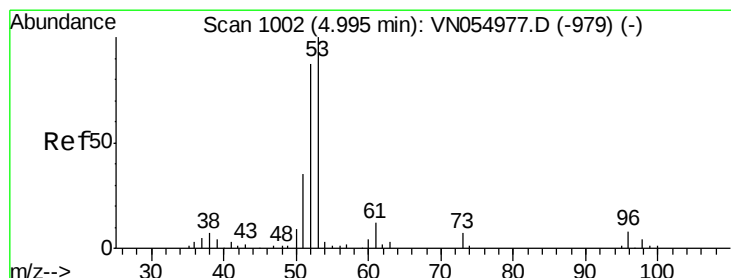
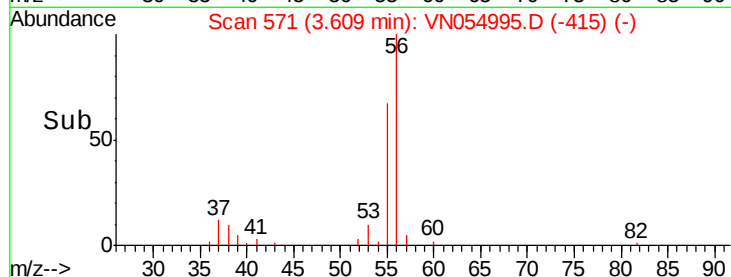
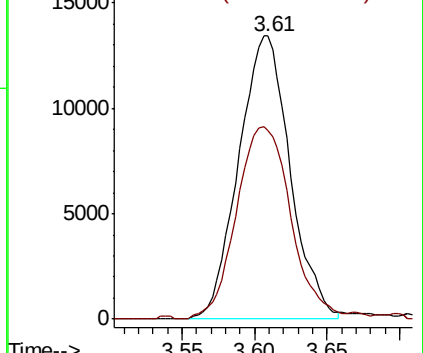
56 100

55 71.8 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 103.901 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

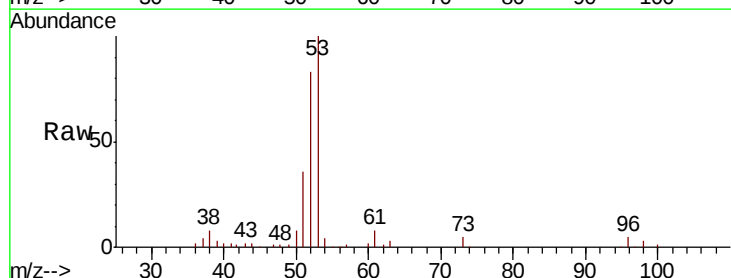
Tgt Ion: 53 Resp: 172299

Ion Ratio Lower Upper

53 100

52 83.4 42.3 126.8

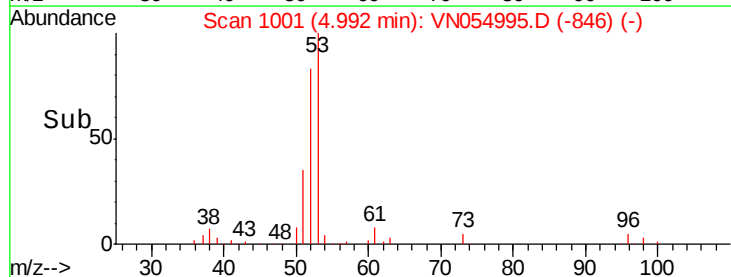
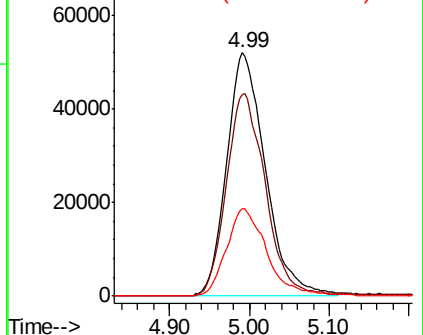
51 37.3 18.6 56.0

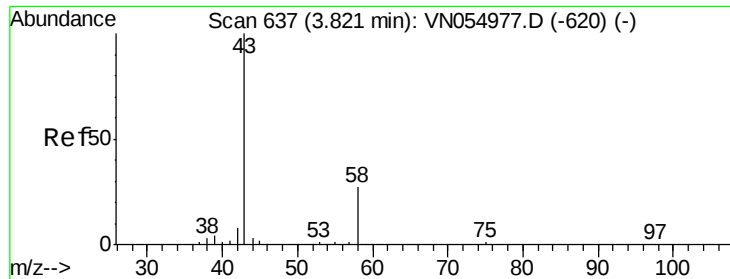


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 87.162 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

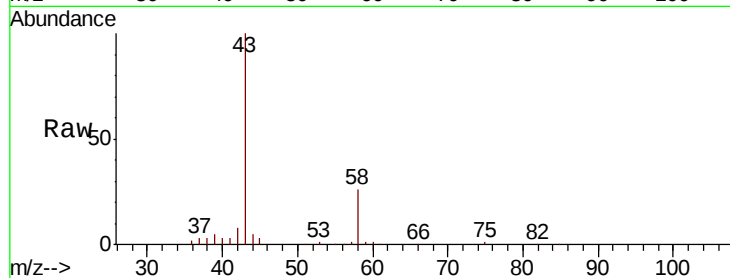
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 35767

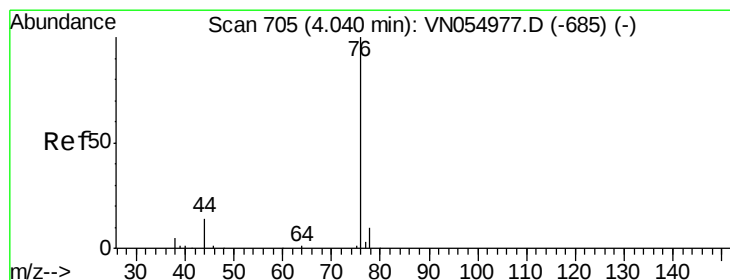
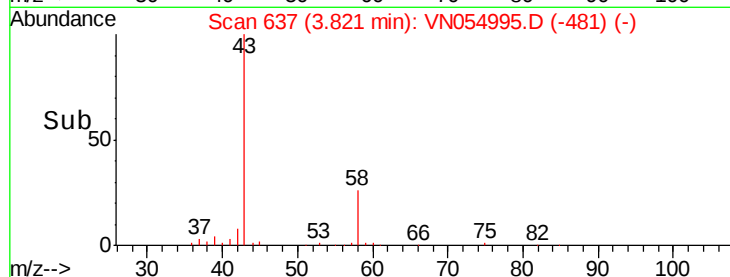
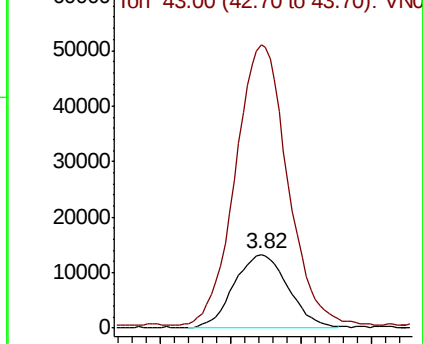
Ion Ratio Lower Upper

58 100

43 375.7 297.2 445.8



Abundance Ion 58.00 (57.70 to 58.70): VN054977.D (-620) (-)



#16

Carbon Disulfide

Concen: 18.719 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054995.D

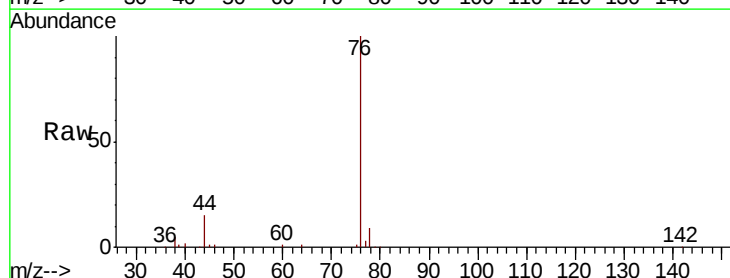
Acq: 12 Apr 2019 13:02

Tgt Ion: 76 Resp: 206625

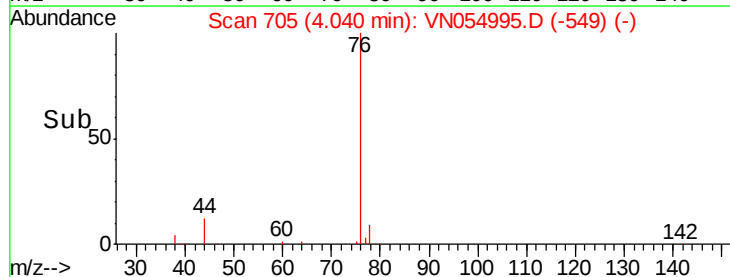
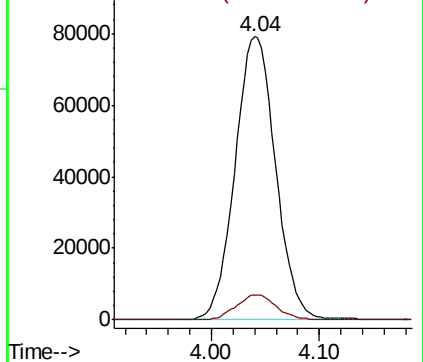
Ion Ratio Lower Upper

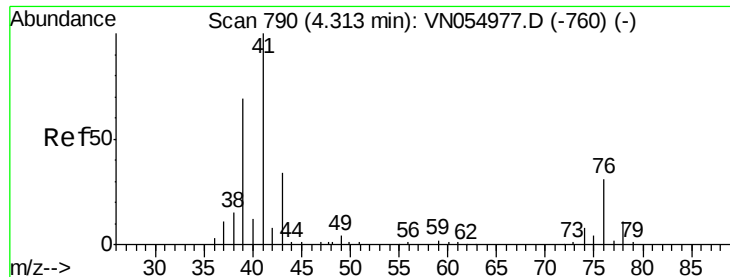
76 100

78 9.0 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-685) (-)

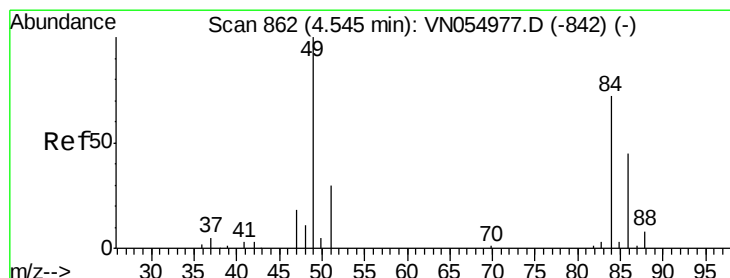
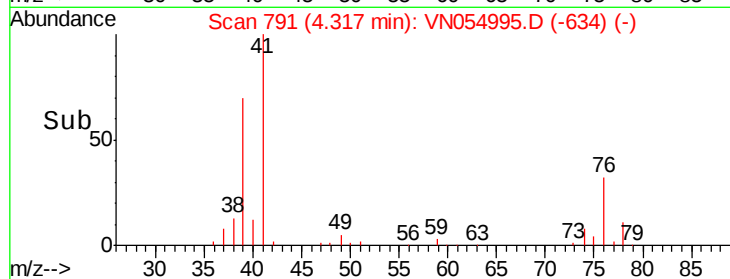
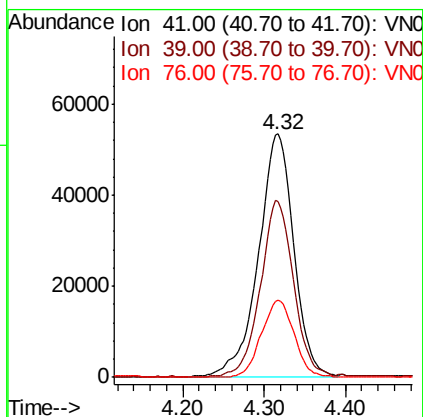
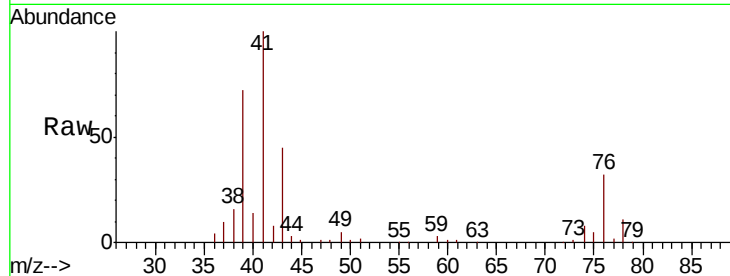




#17
Allvl chloride
Concen: 20.058 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

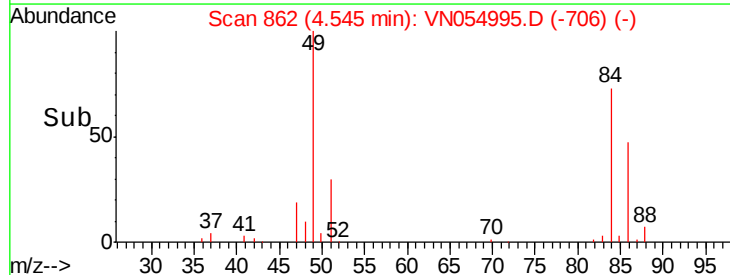
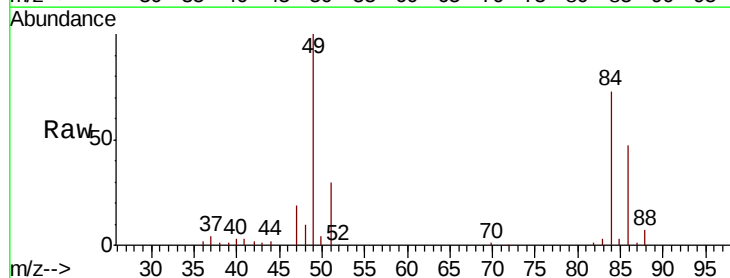
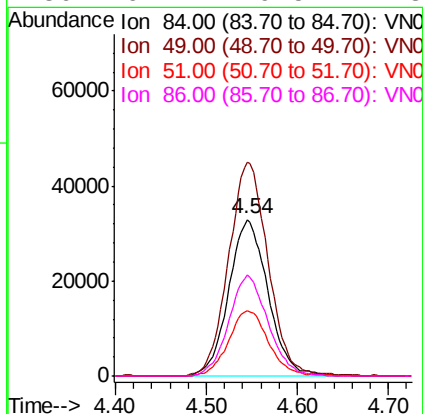
Instrument :
MSVOA_N
ClientSampleId :

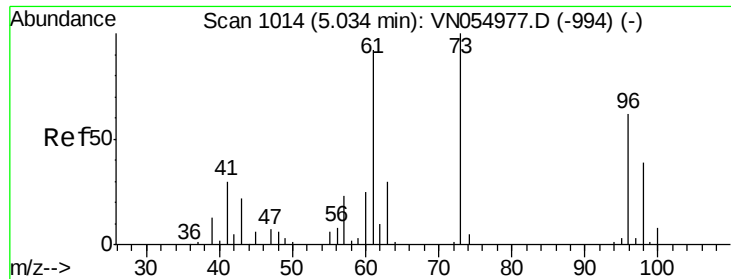
Tot Ion: 41 Resp: 162544
Ion Ratio Lower Upper
41 100
39 72.4 34.3 102.9
76 31.7 15.8 47.3



#18
Methylene Chloride
Concen: 20.244 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 84 Resp: 98474
Ion Ratio Lower Upper
84 100
49 135.5 111.0 166.4
51 41.5 33.4 50.2
86 64.2 49.5 74.3

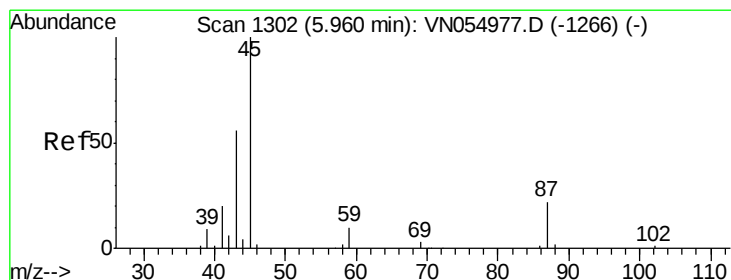
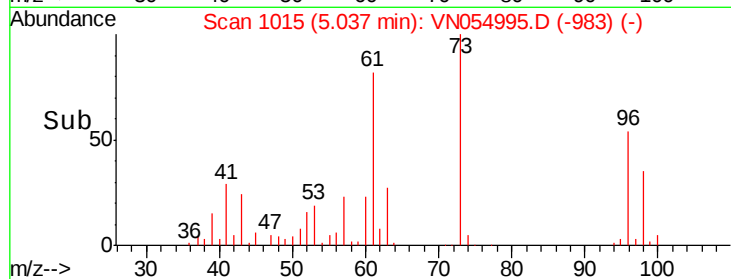
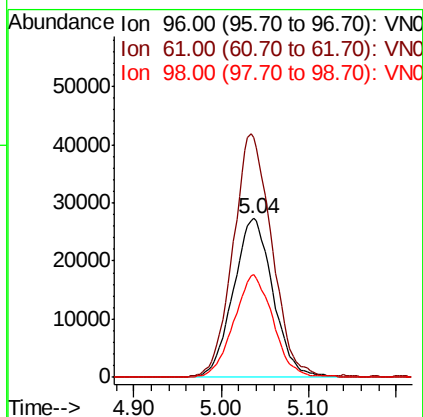
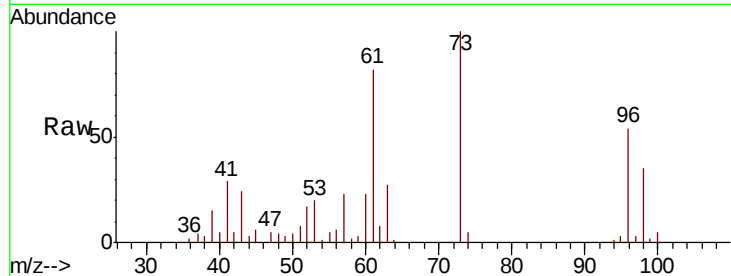




#19
trans-1,2-Dichloroethene
Concen: 20.121 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

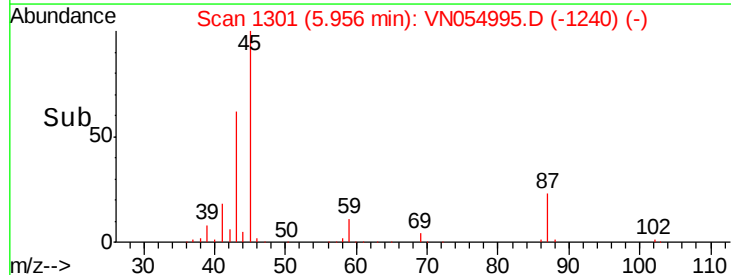
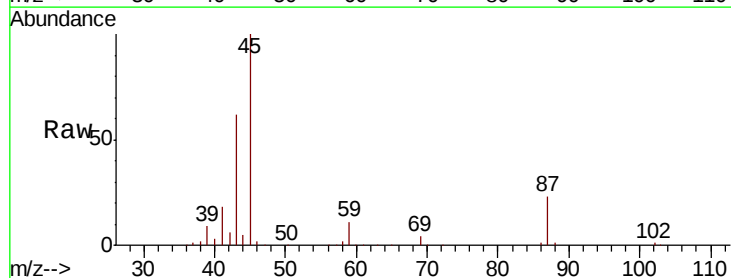
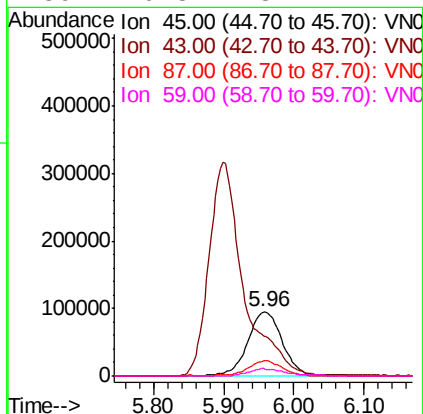
Instrument :
MSVOA_N
ClientSampled :

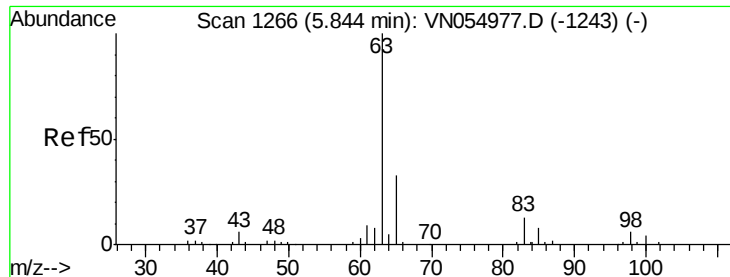
Tot Ion: 96 Resp: 86195
Ion Ratio Lower Upper
96 100
61 150.2 117.2 175.8
98 64.5 49.4 74.2



#20
Diisopropyl ether
Concen: 19.959 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 45 Resp: 327664
Ion Ratio Lower Upper
45 100
43 60.4 45.8 68.8
87 23.4 18.2 27.4
59 10.8 8.2 12.2

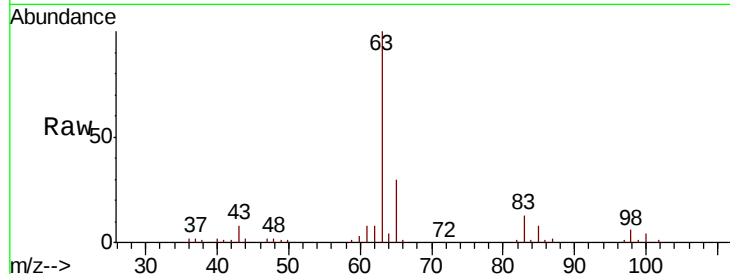




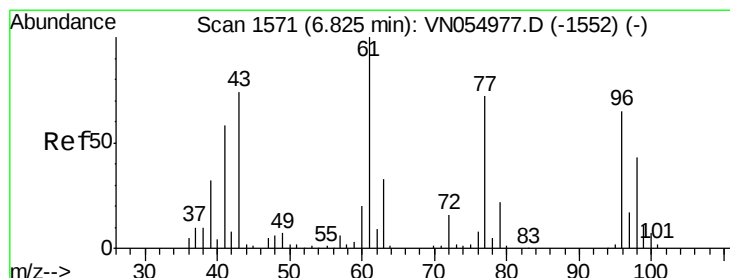
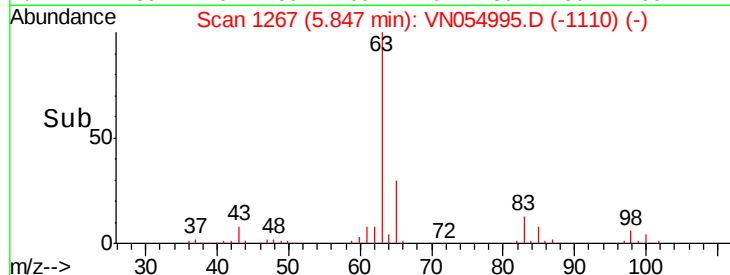
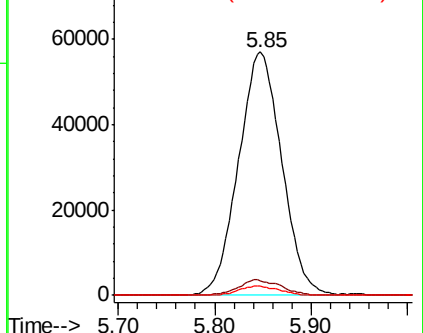
#21
 1,1-Dichloroethane
 Concen: 20.174 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.9	2.9	8.7
100	3.7	2.0	5.8

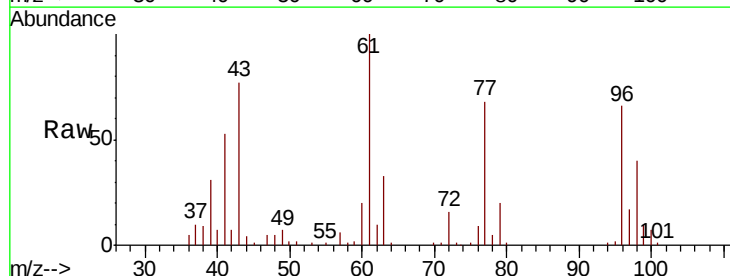


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

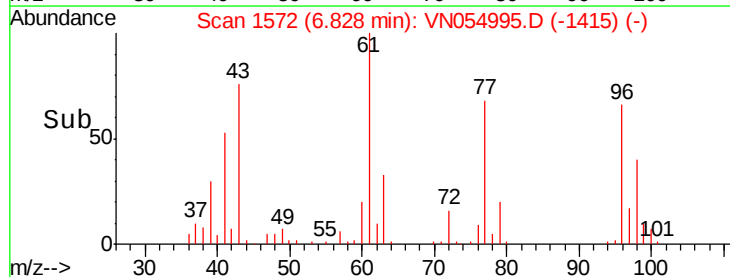
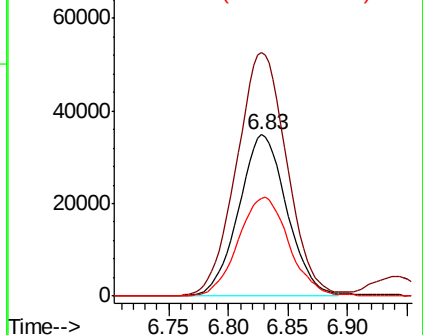


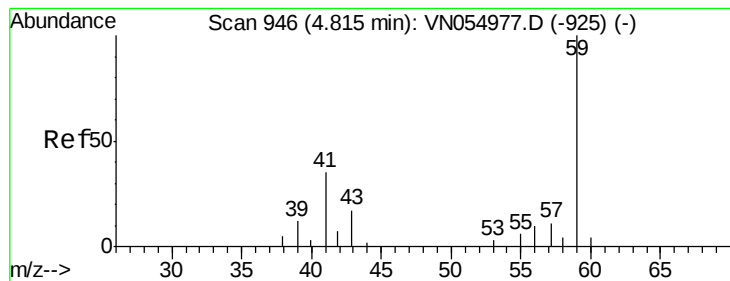
#22
 cis-1,2-Dichloroethene
 Concen: 19.664 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.4	125.0	187.6
98	64.2	52.2	78.2



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





#23

tert-Butyl Alcohol

Concen: 109.871 ug/l

RT: 4.82 min Scan# 946

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

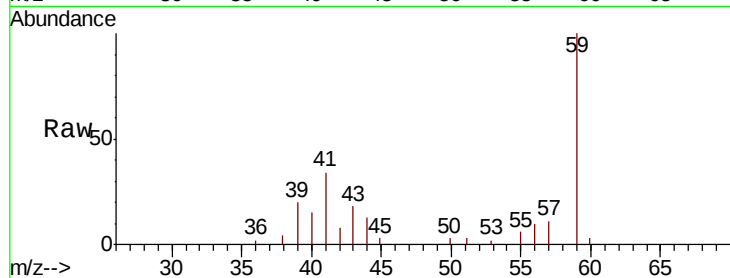
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 29052

Ion Ratio Lower Upper

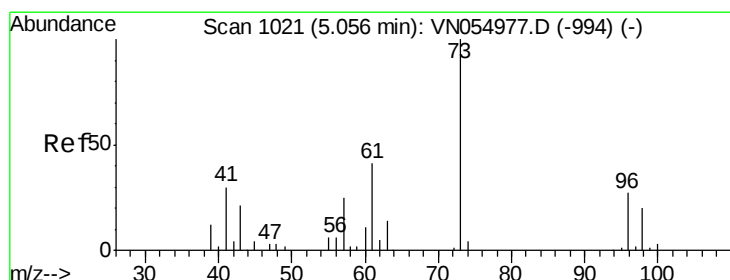
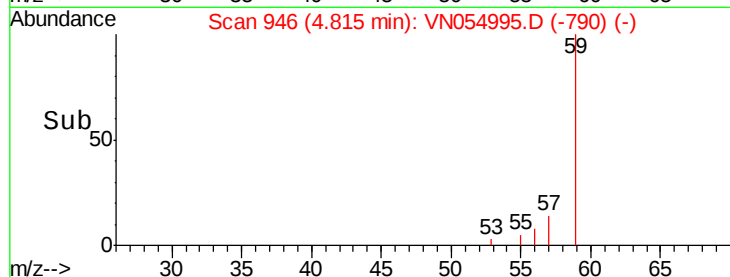
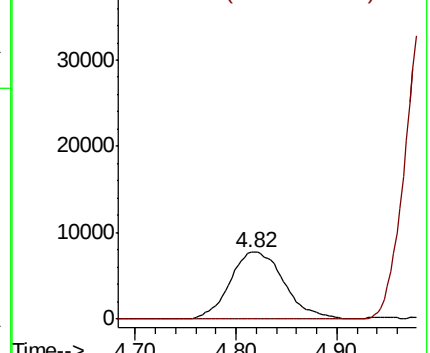
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 20.928 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VN054995.D

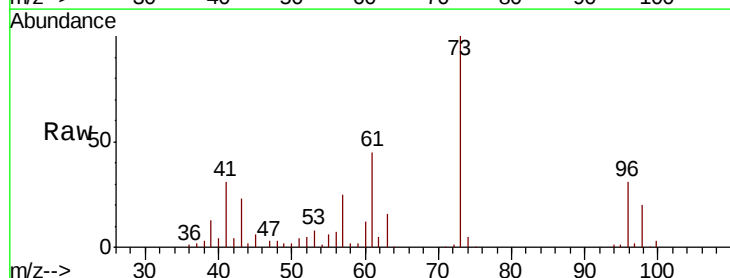
Acq: 12 Apr 2019 13:02

Tgt Ion: 73 Resp: 231250

Ion Ratio Lower Upper

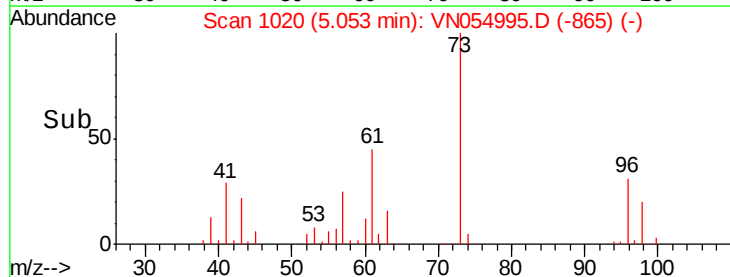
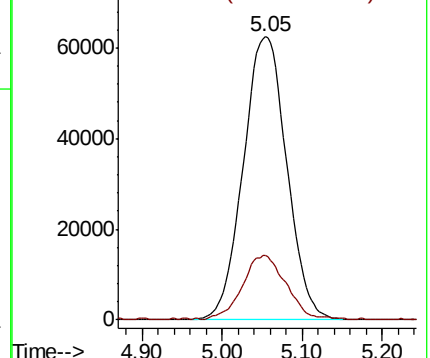
73 100

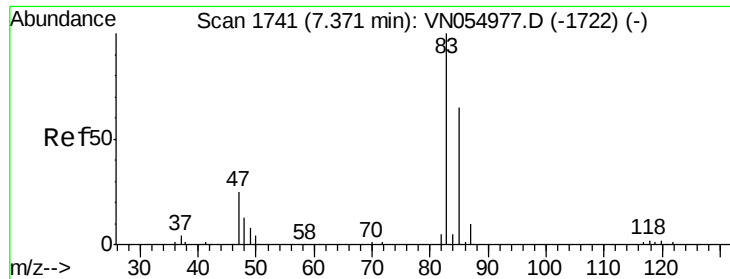
43 22.2 8.0 12.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

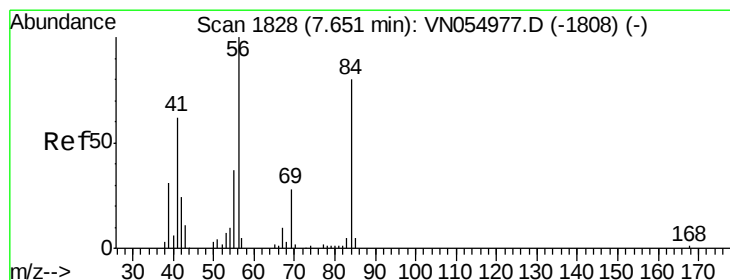
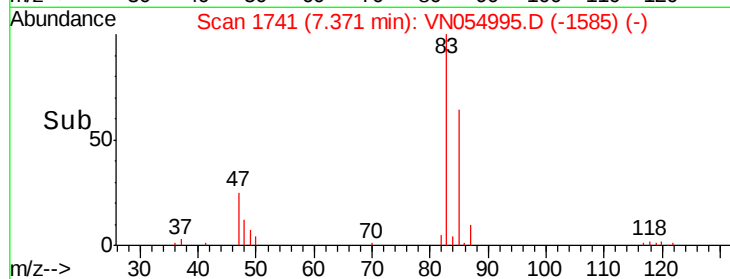
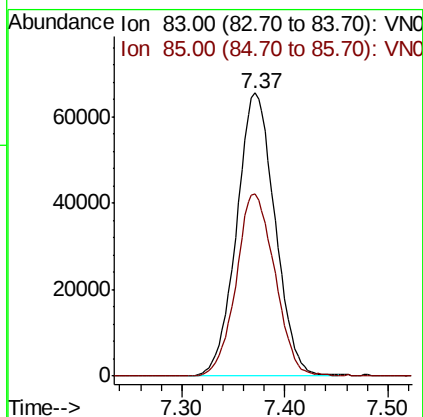
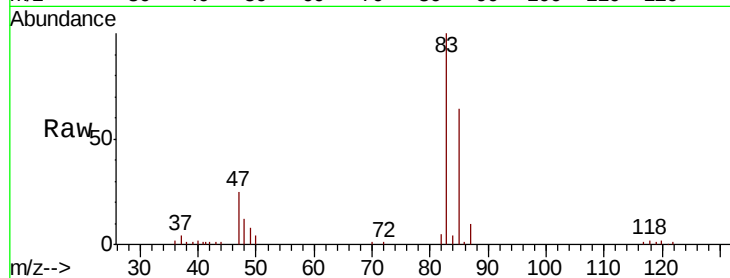




#25
Chloroform
Concen: 20.188 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

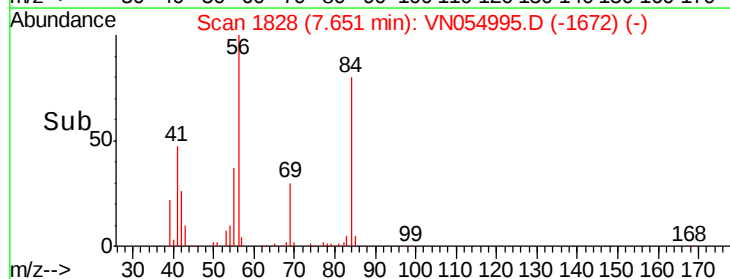
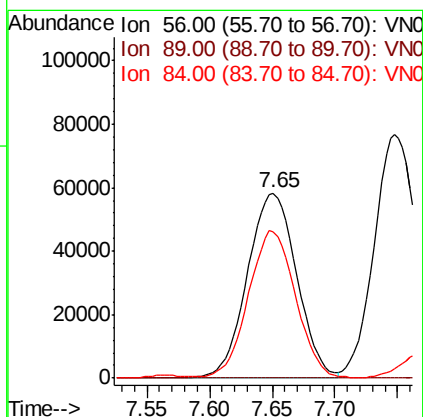
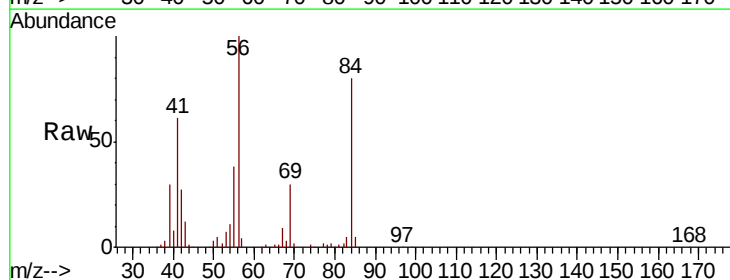
Instrument :
MSVOA_N
ClientSampled :

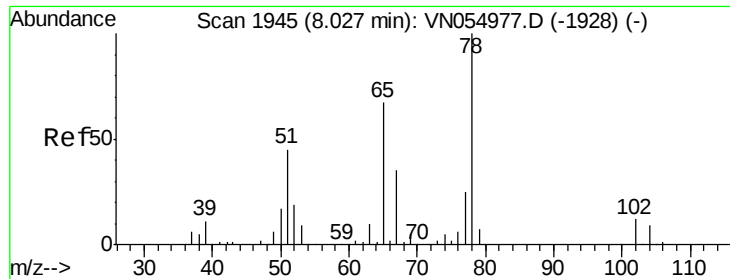
Tot Ion: 83 Resp: 169566
Ion Ratio Lower Upper
83 100
85 64.2 51.8 77.8



#26
Cyclohexane
Concen: 19.508 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 56 Resp: 158713
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 76.7 63.5 95.3

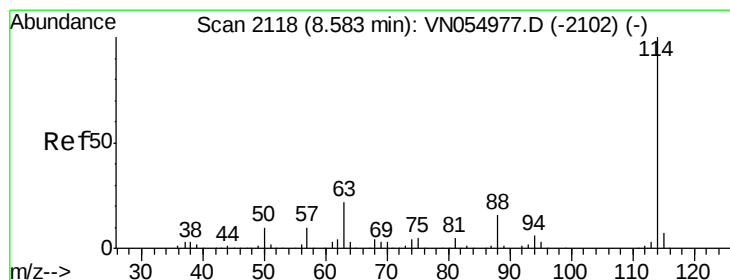
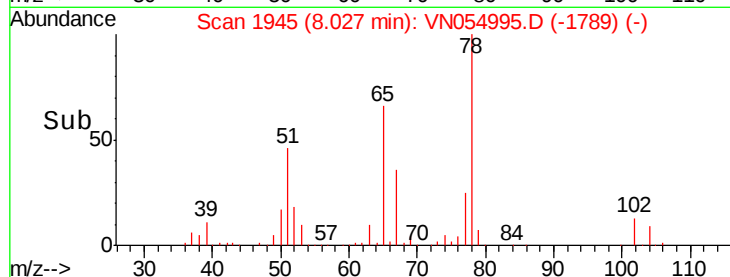
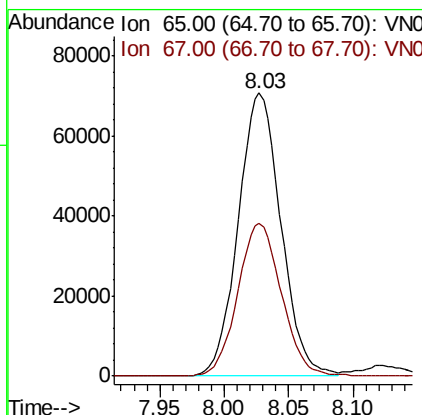
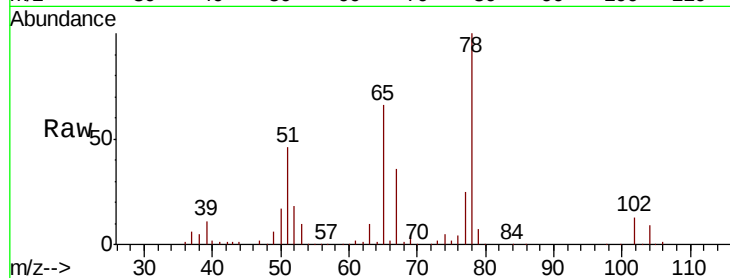




#27
 1,2-Dichloroethane-d4
 Concen: 19.508 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

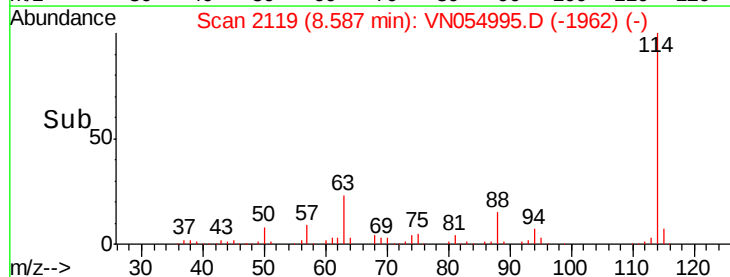
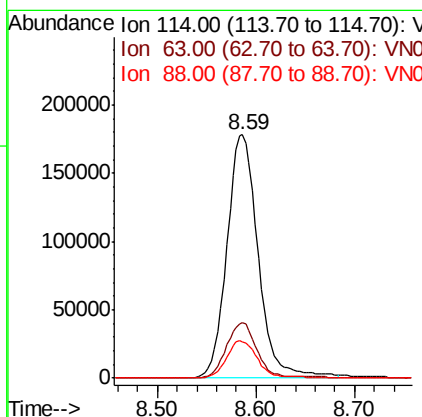
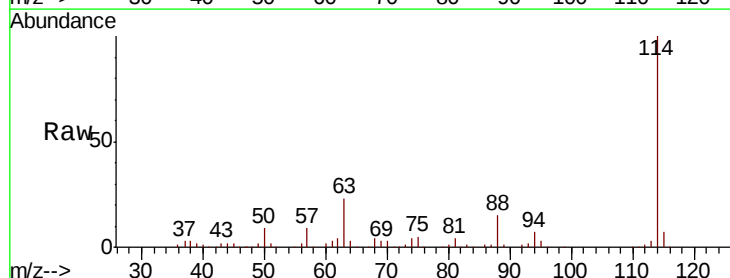
Instrument :
 MSVOA_N
 ClientSampleId :

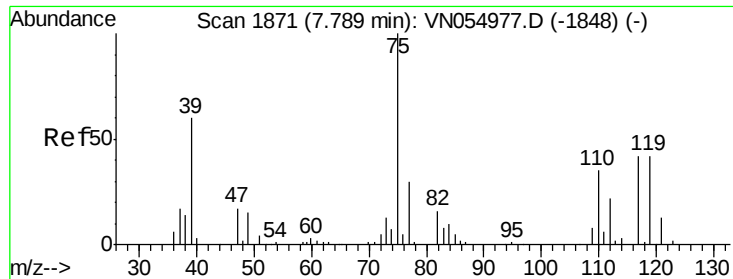
Tot Ion: 65 Resp: 163351
 Ion Ratio Lower Upper
 65 100
 67 54.9 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion: 114 Resp: 394509
 Ion Ratio Lower Upper
 114 100
 63 22.0 17.0 25.4
 88 15.0 12.3 18.5

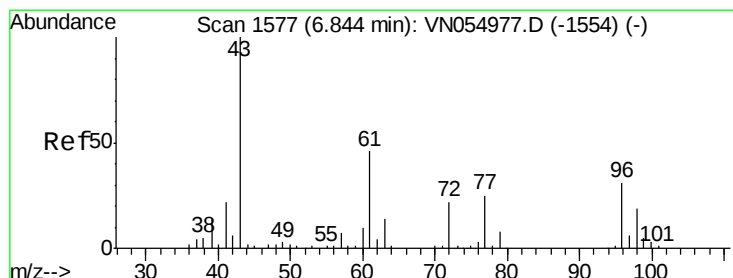
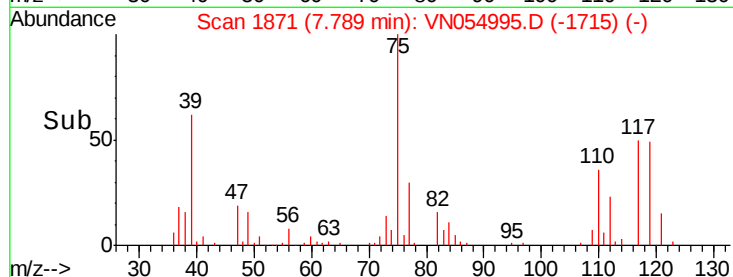
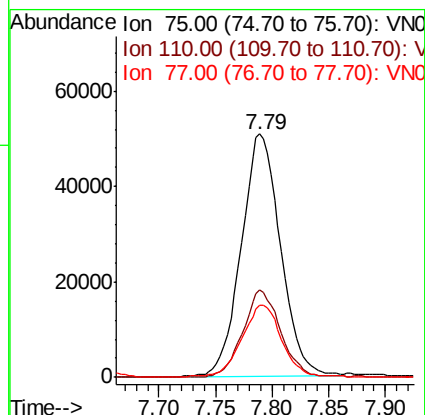
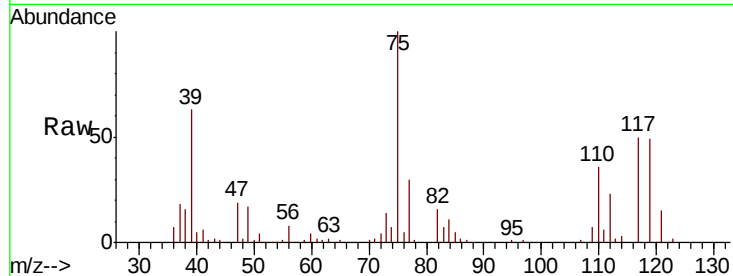




#29
 1,1-Dichloropropene
 Concen: 20.058 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

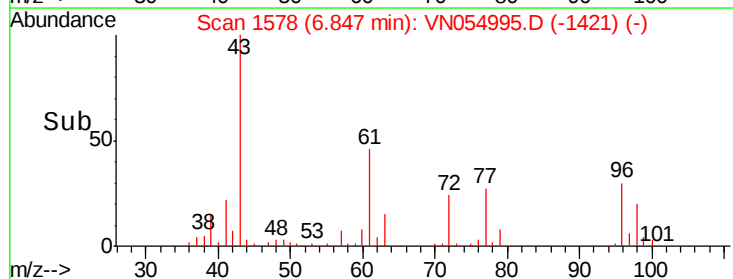
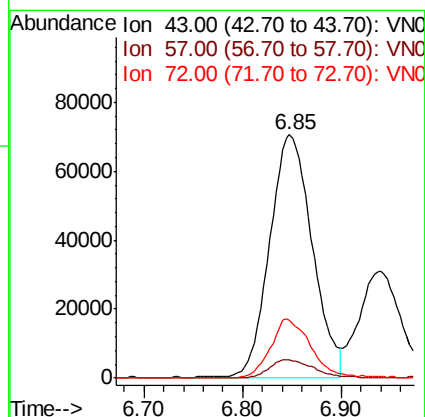
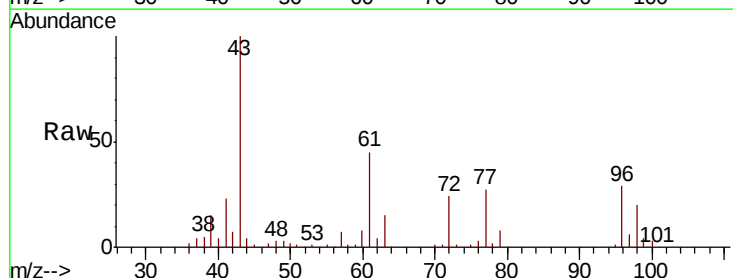
Instrument :
 MSVOA_N
 ClientSampleId :

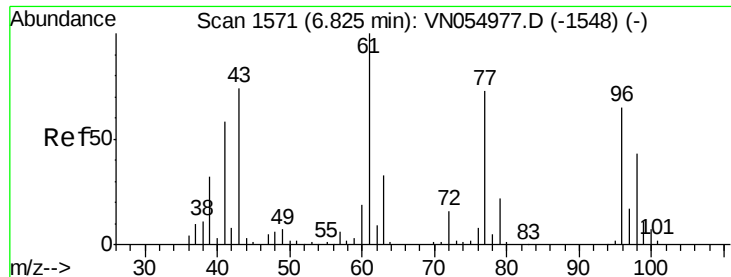
Tot Ion	Ratio	Lower	Upper
75	100		
110	34.5	0.0	68.4
77	30.0	0.0	58.6



#30
 2-Butanone
 Concen: 103.177 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.6	6.0	9.0
72	23.0	18.6	27.8

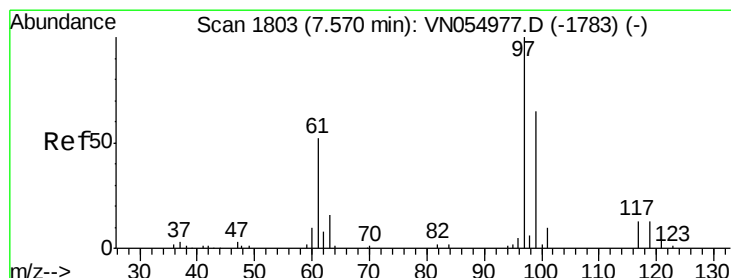
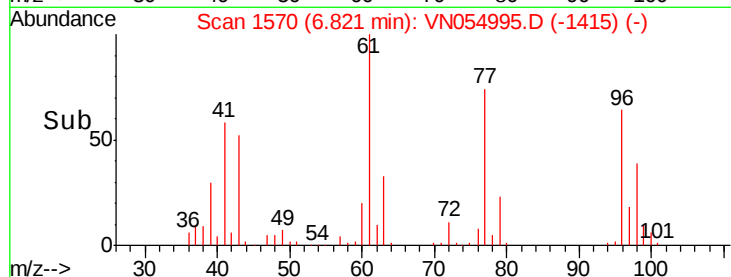
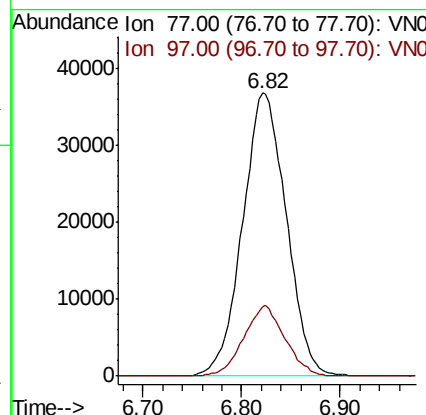
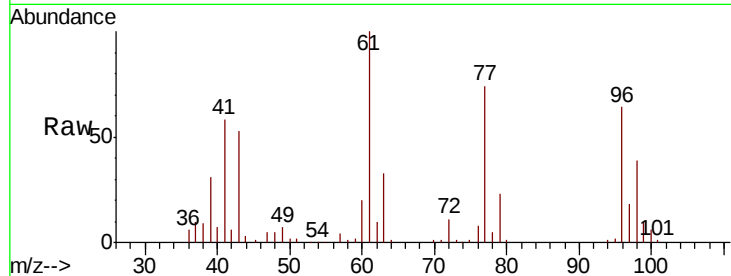




#31
 2,2-Dichloropropane
 Concen: 19.964 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

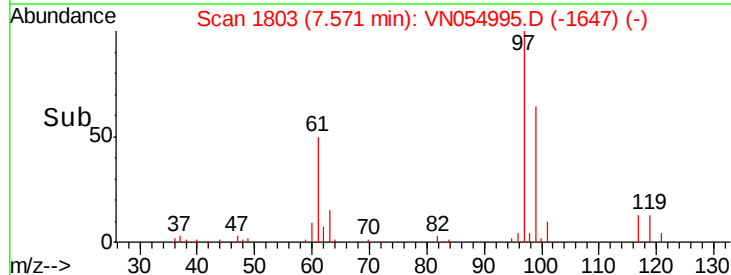
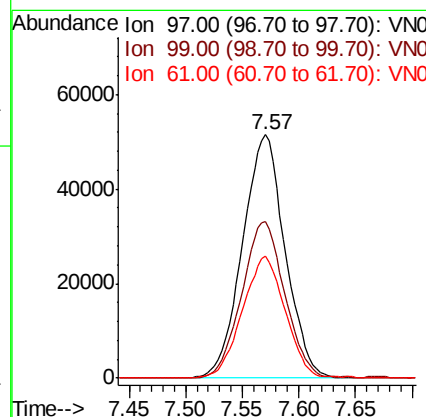
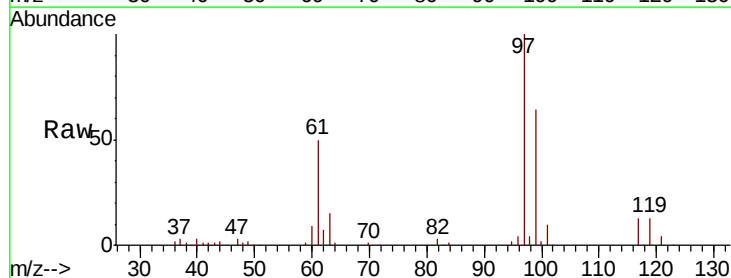
Instrument :
 MSVOA_N
 ClientSampleId :

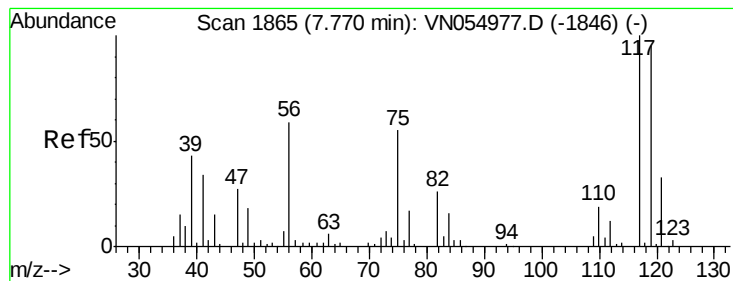
Tot Ion: 77 Resp: 112896
 Ion Ratio Lower Upper
 77 100
 97 23.4 0.0 0.0#



#32
 1,1,1-Trichloroethane
 Concen: 20.723 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion: 97 Resp: 134577
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.2 76.8
 61 50.2 40.6 60.8





#33

Carbon Tetrachloride

Concen: 20.098 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

ClientSampled :

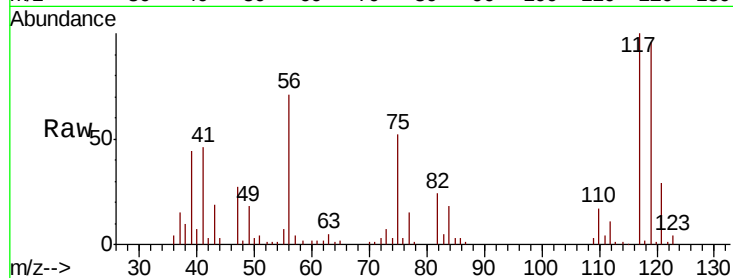
Tot Ion:117 Resp: 112998

Ion Ratio Lower Upper

117 100

119 95.9 76.1 114.1

121 29.2 26.2 39.4

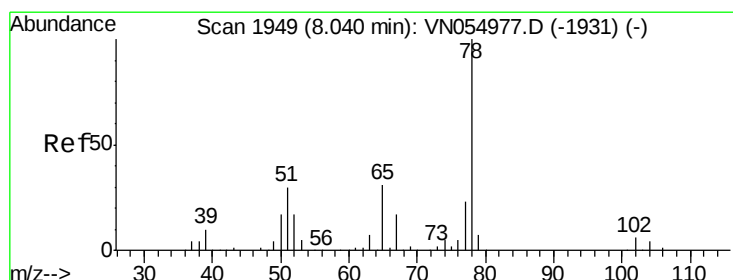
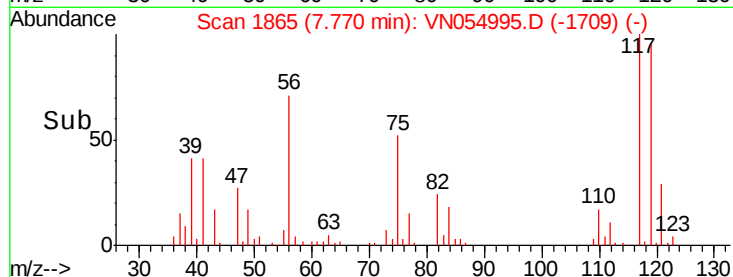
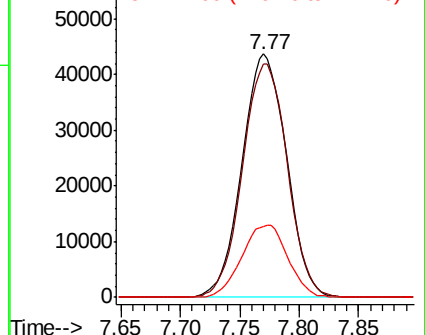


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.561 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

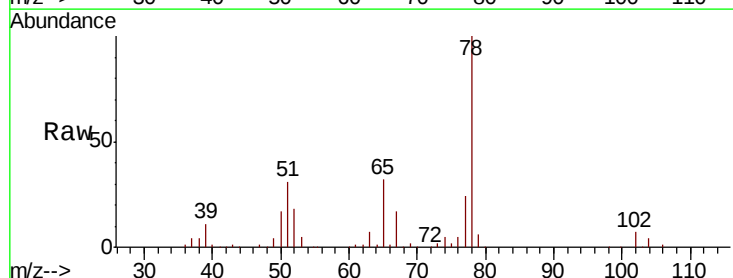
Tgt Ion: 78 Resp: 374362

Ion Ratio Lower Upper

78 100

77 24.1 18.2 27.4

51 30.8 23.7 35.5

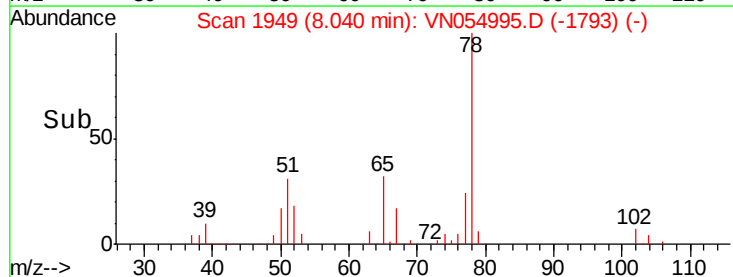
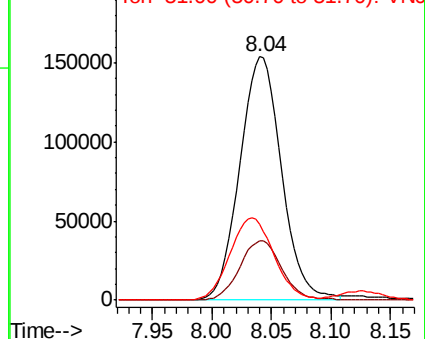


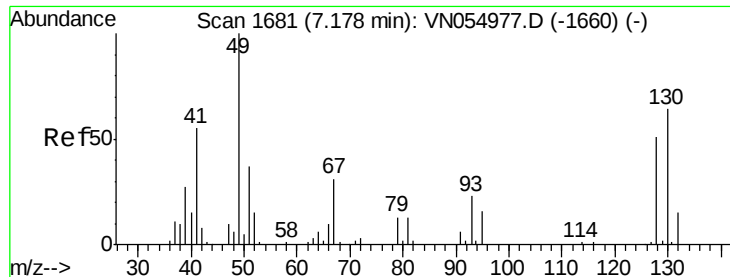
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

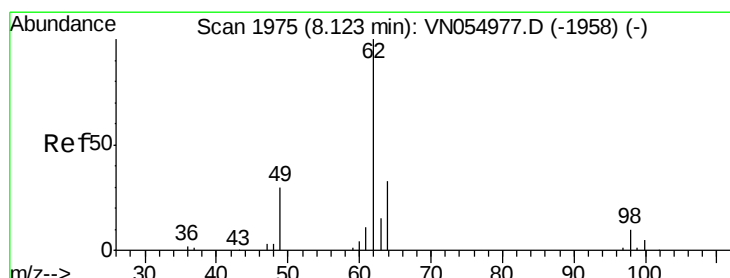
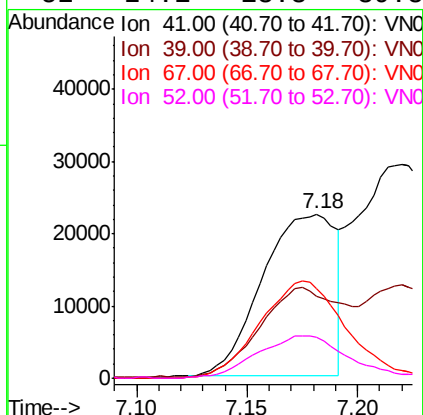
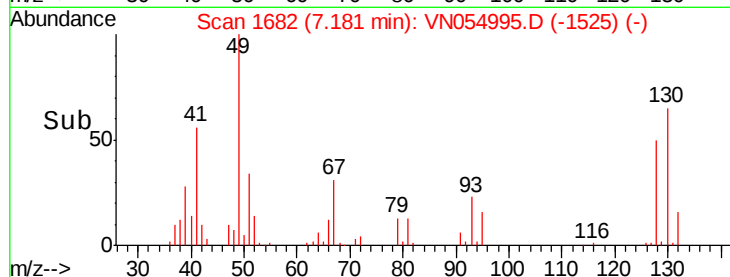
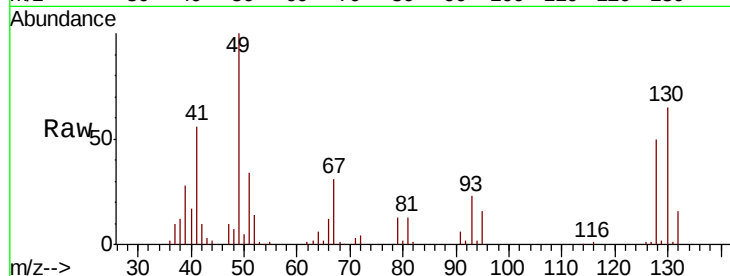




#35
Methacrylonitrile
Concen: 21.519 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

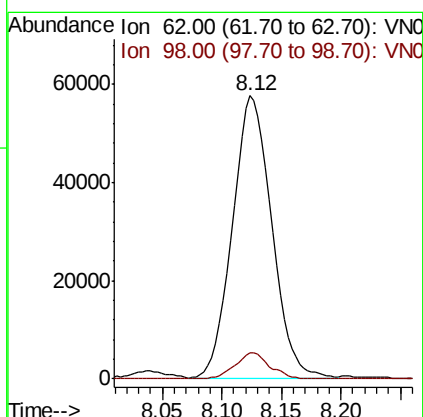
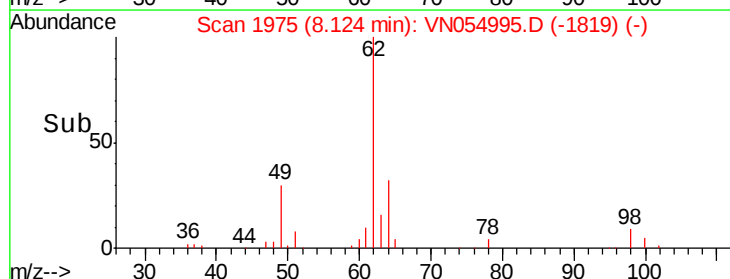
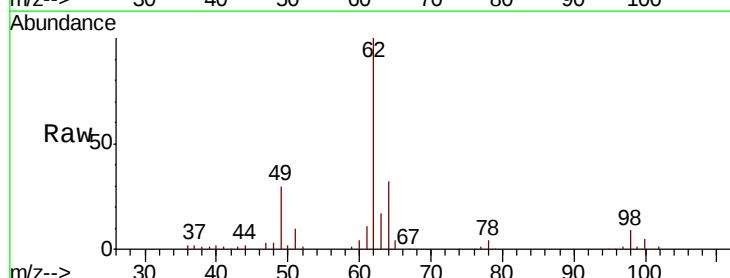
Instrument :
MSVOA_N
ClientSampled :

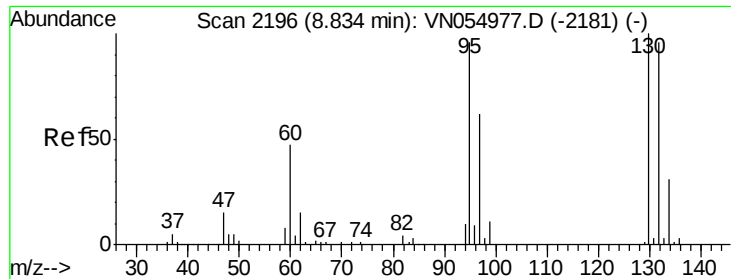
Tot Ion: 41 Resp: 51728
Ion Ratio Lower Upper
41 100
39 49.8 24.2 72.6
67 55.0 28.1 84.2
52 24.1 13.3 39.8



#36
1,2-Dichloroethane
Concen: 21.327 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 62 Resp: 132714
Ion Ratio Lower Upper
62 100
98 8.1 6.9 10.3

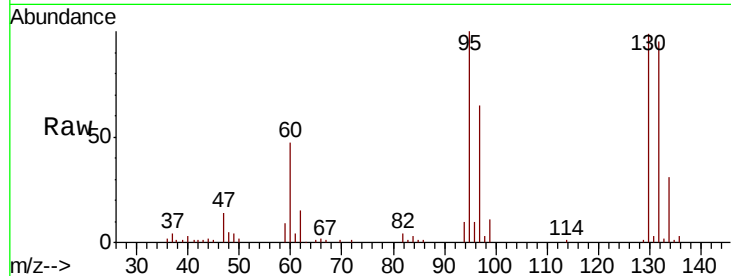




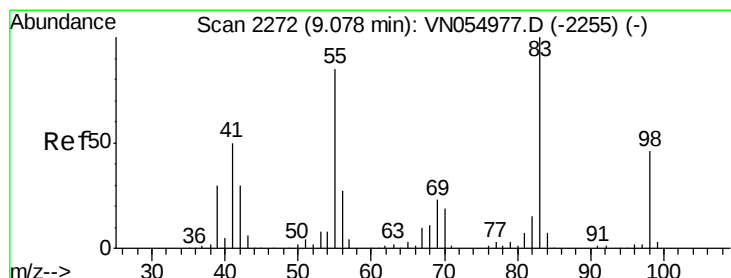
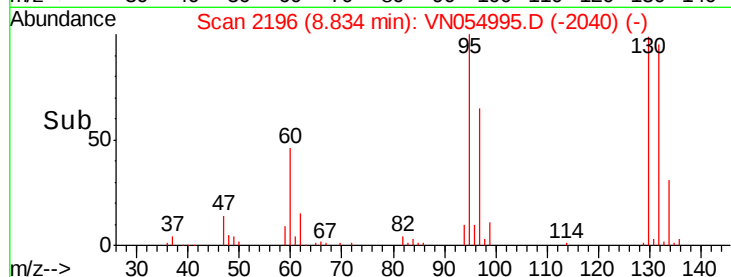
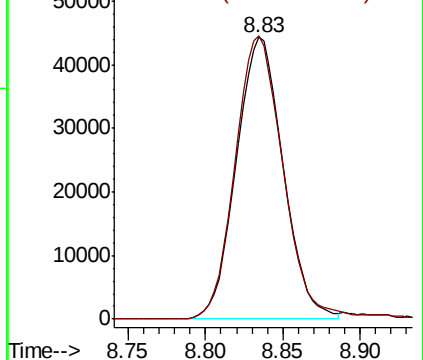
#37
 Trichloroethene
 Concen: 20.082 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:130 Resp: 93210
 Ion Ratio Lower Upper
 130 100
 95 100.5 76.6 115.0

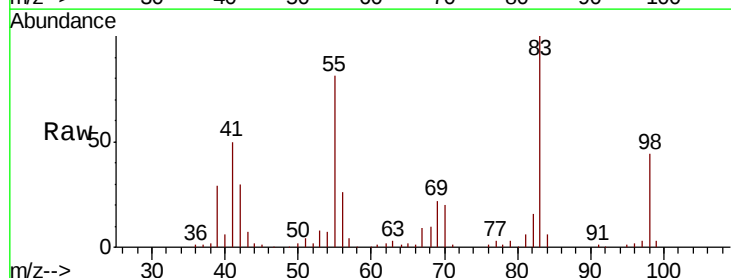


Abundance Ion 129.90 (129.60 to 130.60): VN054977.D (-2181) (-)
 Ion 94.90 (94.60 to 95.60): VN054977.D (-2181) (-)

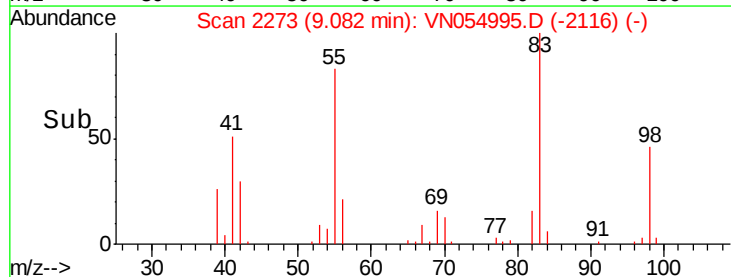
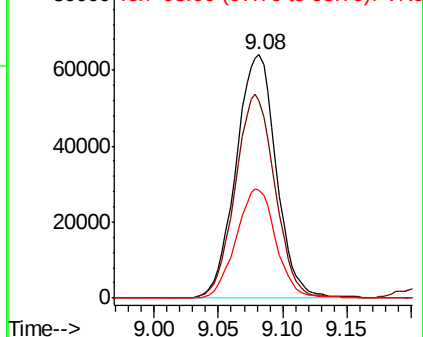


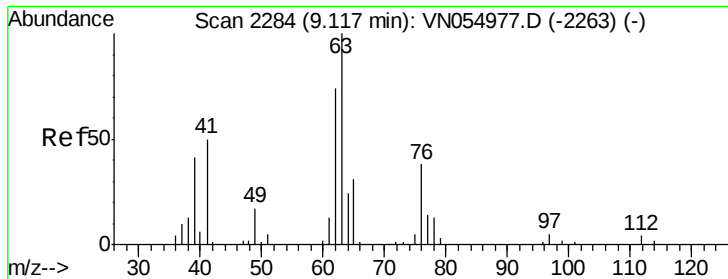
#38
 Methylcyclohexane
 Concen: 19.484 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion: 83 Resp: 138822
 Ion Ratio Lower Upper
 83 100
 55 82.9 41.9 125.6
 98 44.2 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN054977.D (-2255) (-)
 Ion 55.00 (54.70 to 55.70): VN054977.D (-2255) (-)
 Ion 98.00 (97.70 to 98.70): VN054977.D (-2255) (-)

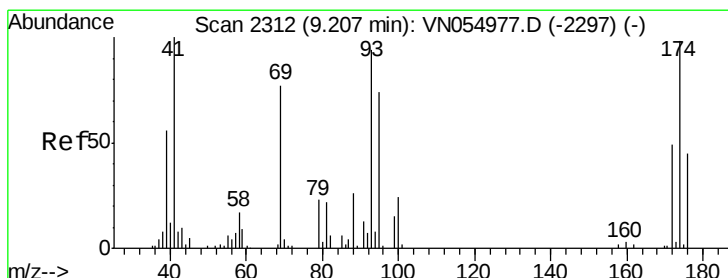
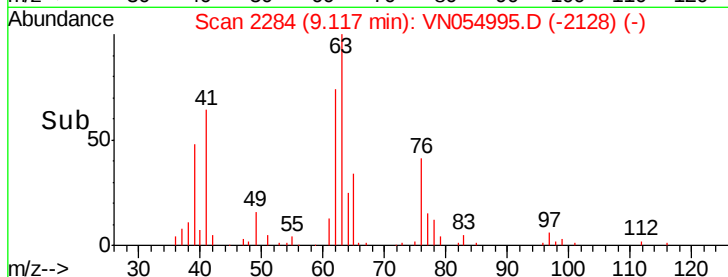
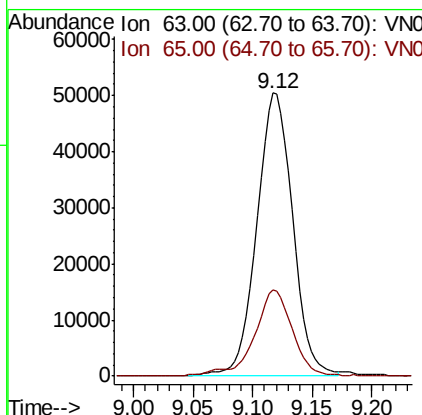
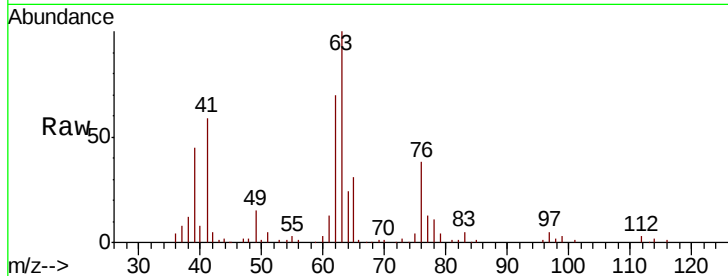




#39
 1,2-Dichloropropane
 Concen: 21.041 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

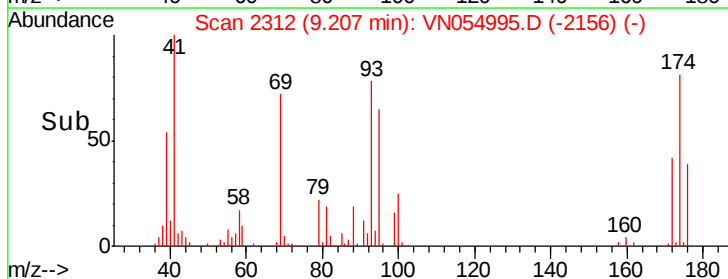
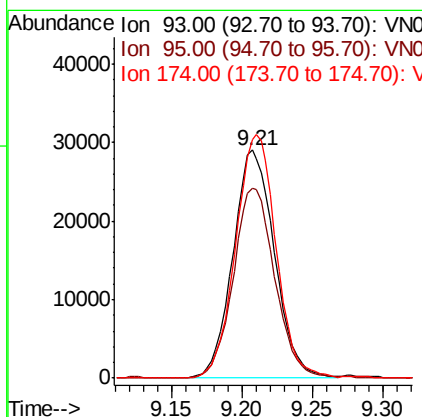
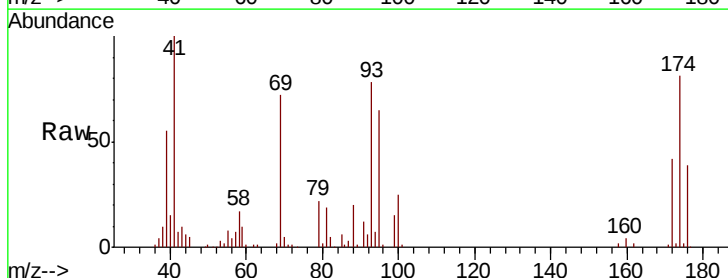
Instrument :
 MSVOA_N
 ClientSampled :

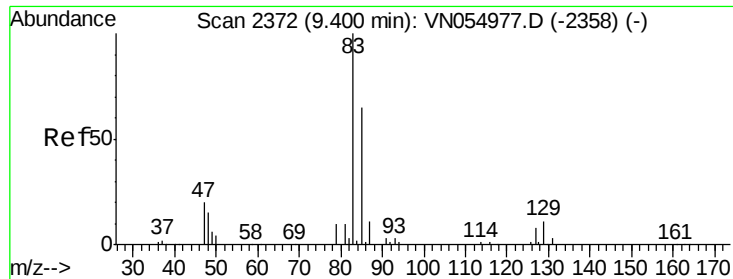
Tot Ion: 63 Resp: 105782
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.8 37.2



#40
 Dibromomethane
 Concen: 21.102 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion: 93 Resp: 59966
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 160.8
 174 103.8 0.0 206.4

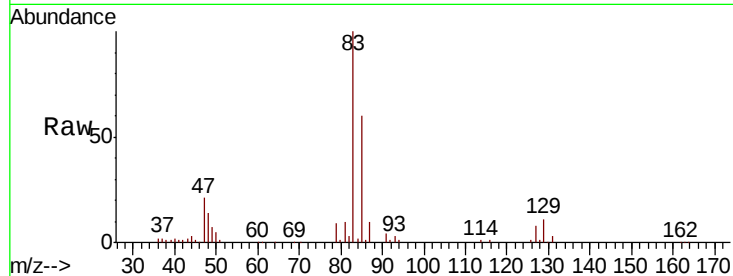




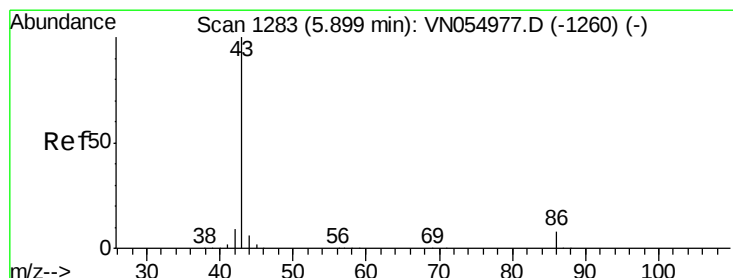
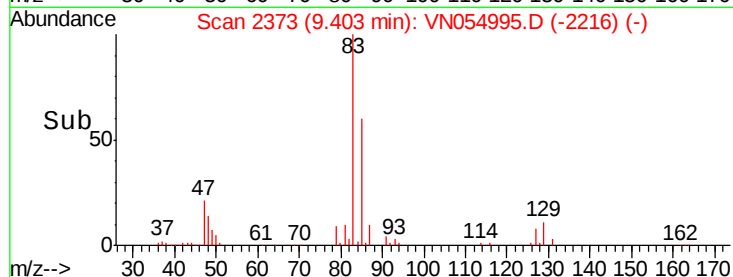
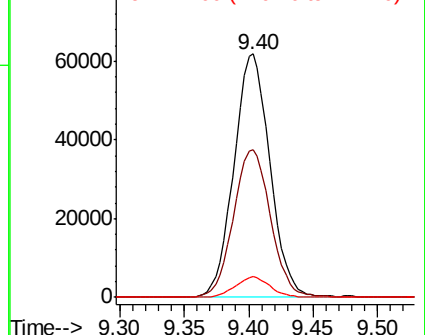
#41
 Bromodichloromethane
 Concen: 20.524 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 83 Resp: 120367
 Ion Ratio Lower Upper
 83 100
 85 60.5 52.0 78.0
 127 8.5 7.2 10.8

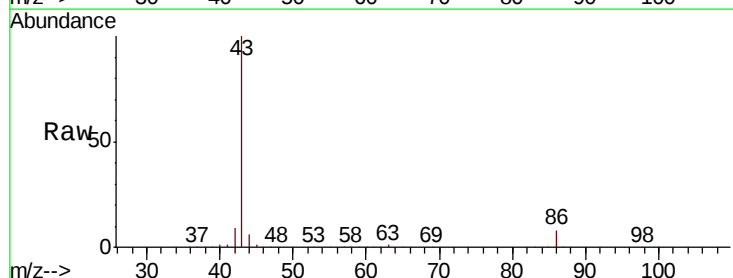


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): V

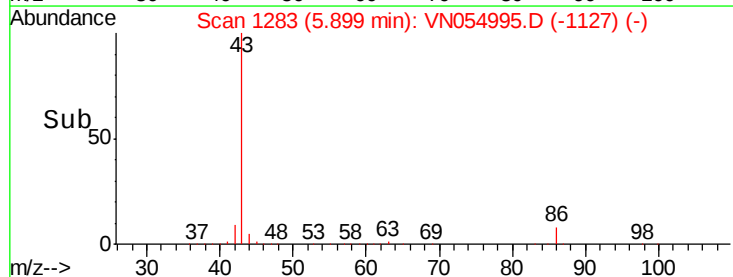
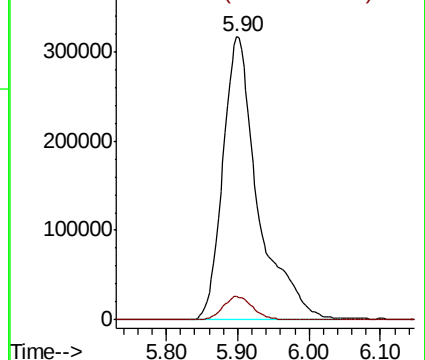


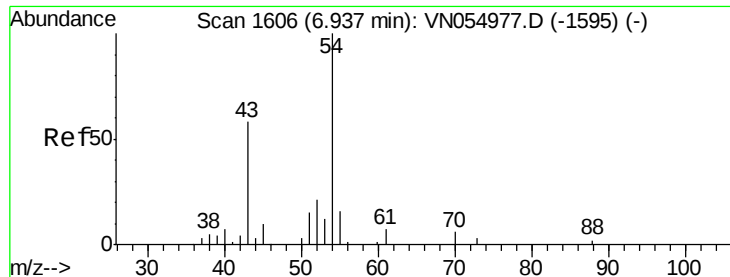
#42
 Vinyl Acetate
 Concen: 104.520 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion: 43 Resp: 1077658
 Ion Ratio Lower Upper
 43 100
 86 7.1 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0

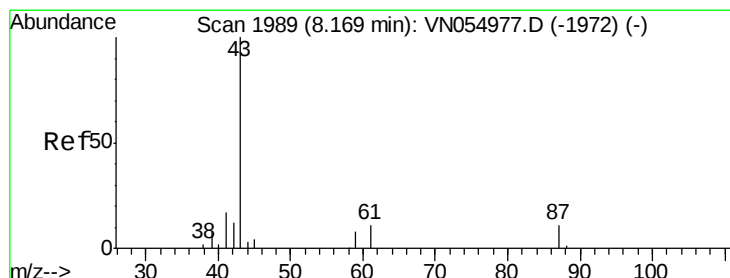
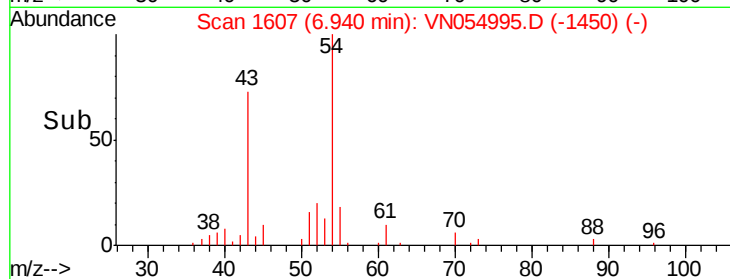
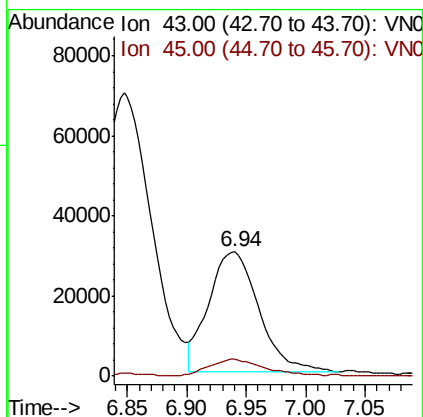
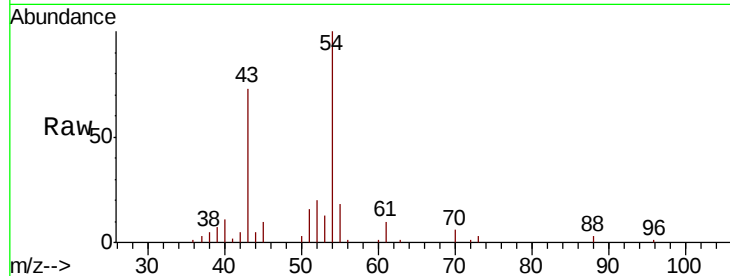




#43
Ethyl Acetate
Concen: 21.220 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

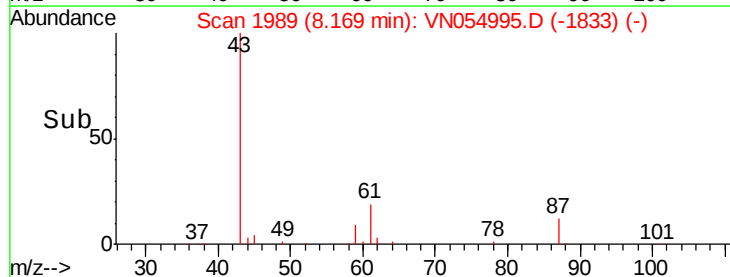
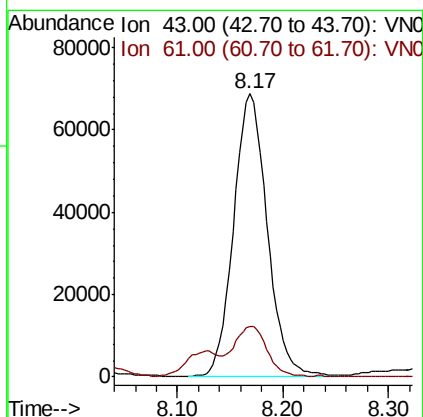
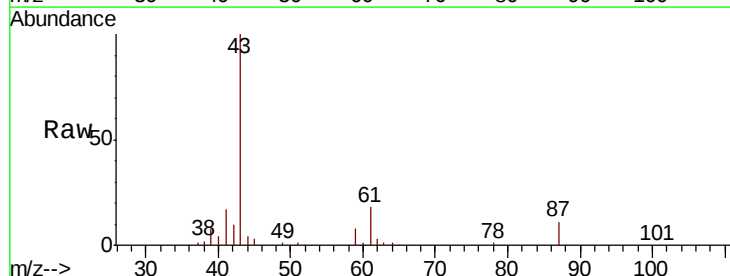
Instrument :
MSVOA_N
ClientSampled :

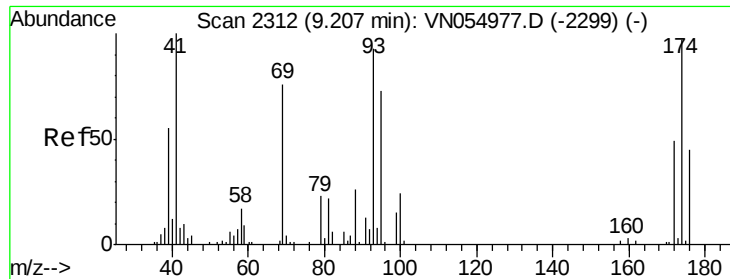
Tot Ion: 43 Resp: 88165
Ion Ratio Lower Upper
43 100
45 15.7 10.6 15.8



#44
Isopropyl Acetate
Concen: 21.449 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 43 Resp: 151026
Ion Ratio Lower Upper
43 100
61 17.1 14.8 22.2

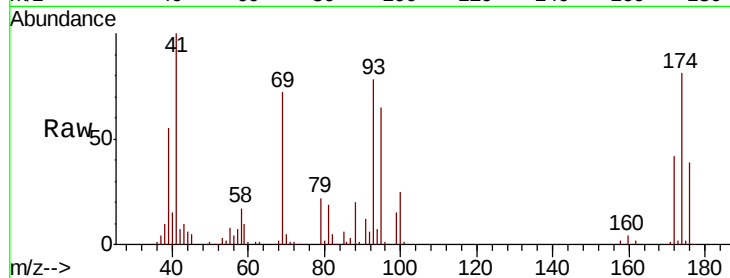




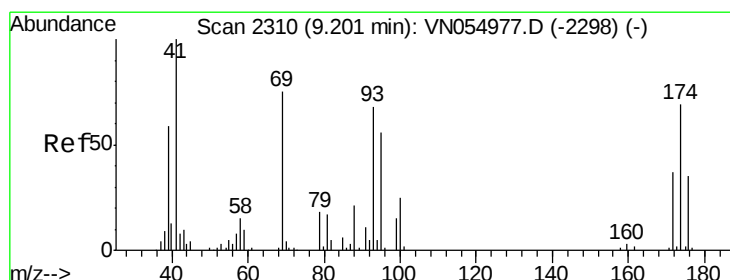
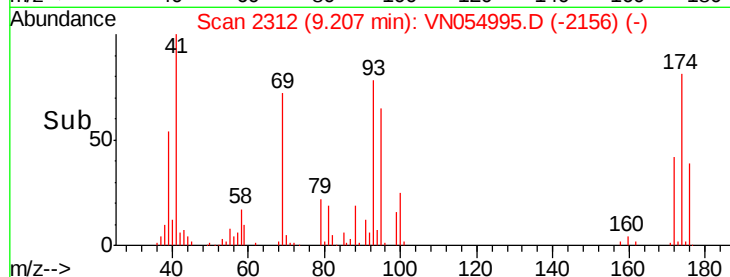
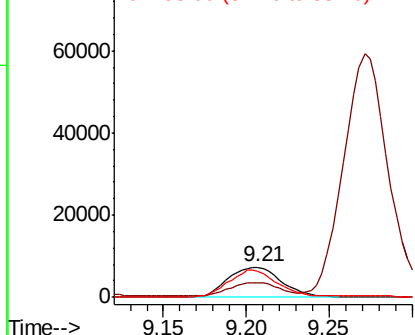
#45
1,4-Dioxane
Concen: 423.573 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 16523
Ion Ratio Lower Upper
88 100
43 39.0 34.5 51.7
58 82.4 60.3 90.5

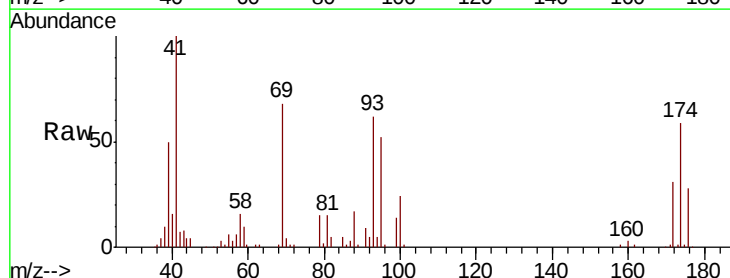


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

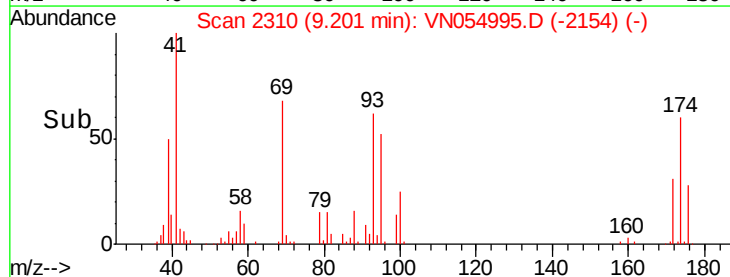
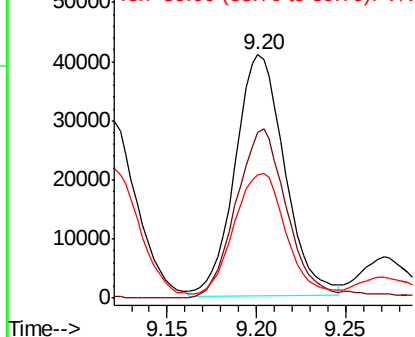


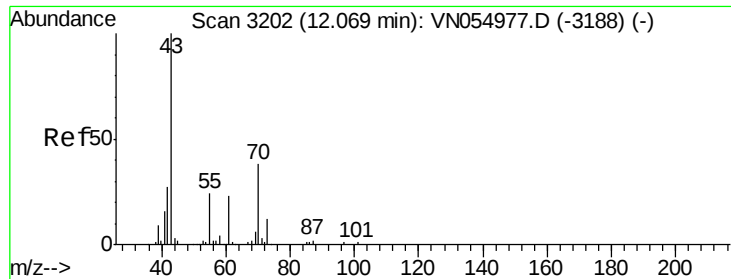
#46
Methyl methacrylate
Concen: 21.861 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 41 Resp: 79628
Ion Ratio Lower Upper
41 100
69 69.9 37.3 111.9
39 49.9 29.4 88.2



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





#47

n-amvl Acetate

Concen: 20.540 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

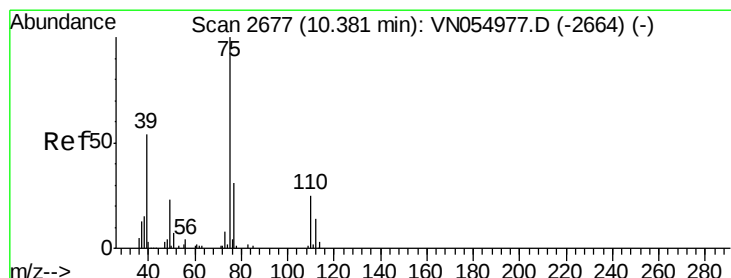
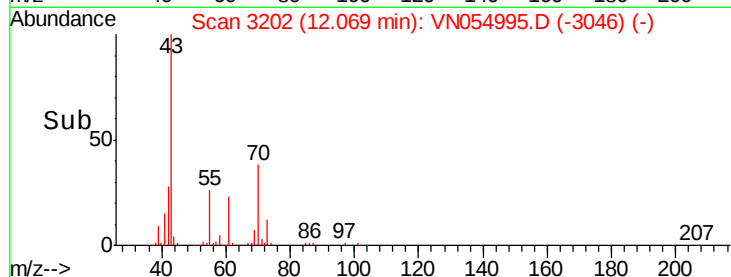
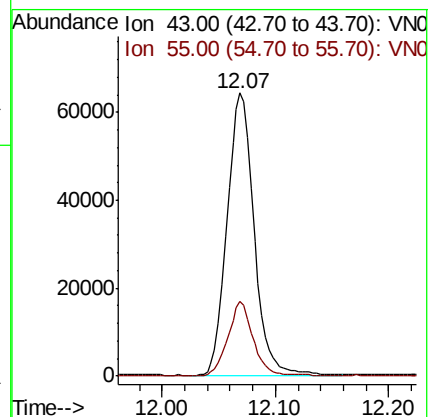
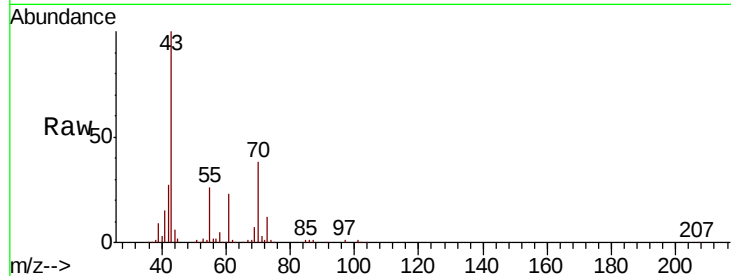
ClientSampled :

Tot Ion: 43 Resp: 106520

Ion Ratio Lower Upper

43 100

55 25.0 19.8 29.6



#48

t-1,3-Dichloropropene

Concen: 19.509 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054995.D

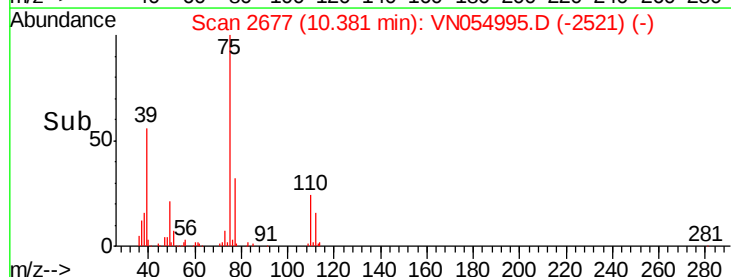
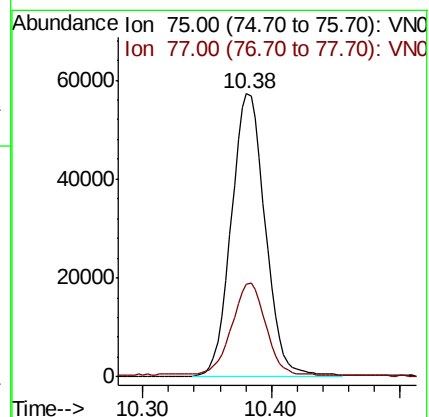
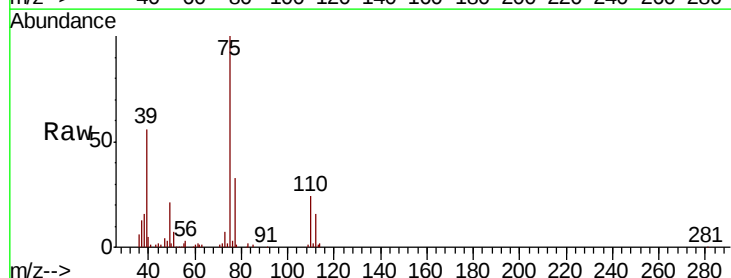
Acq: 12 Apr 2019 13:02

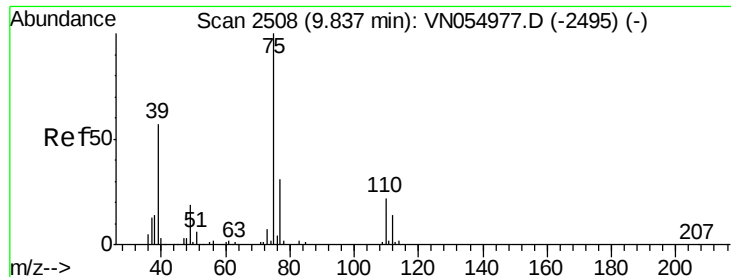
Tgt Ion: 75 Resp: 105067

Ion Ratio Lower Upper

75 100

77 31.8 24.6 37.0



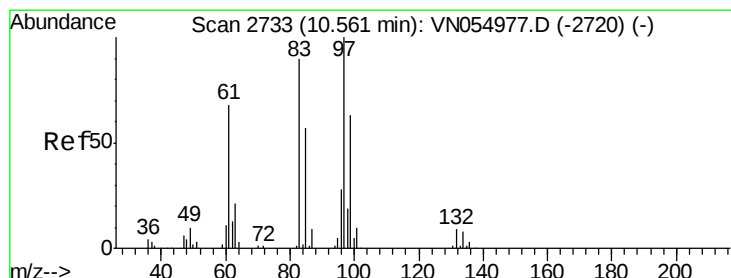
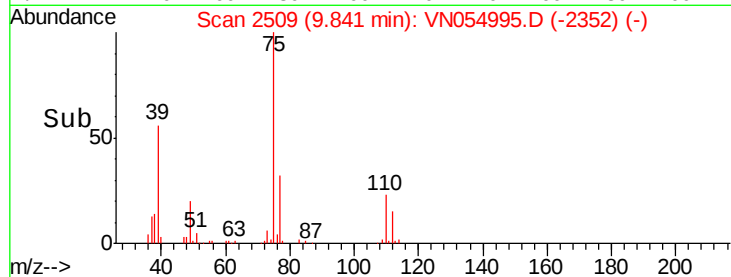
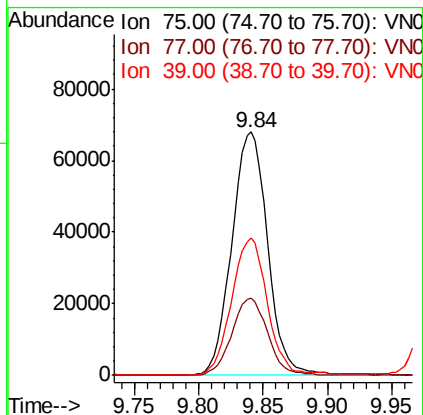
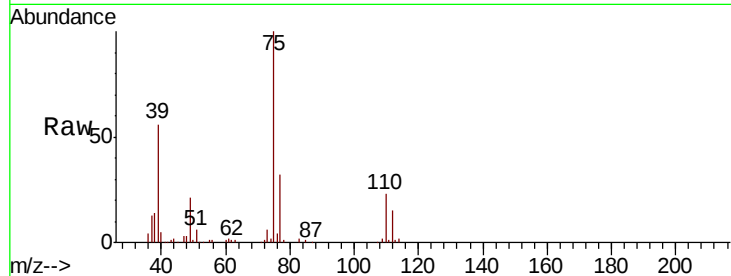


#49

cis-1,3-Dichloropropene
Concen: 19.701 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampled :

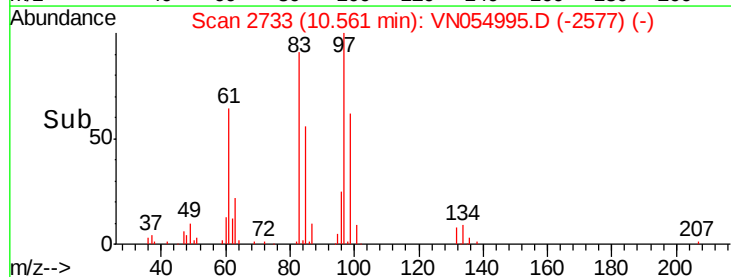
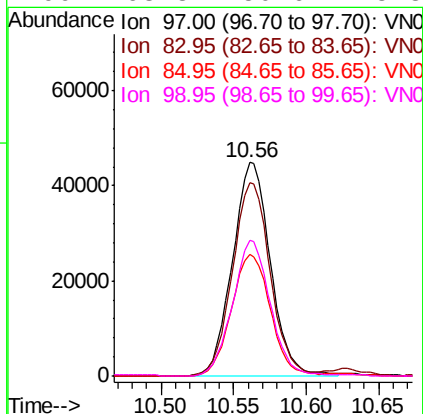
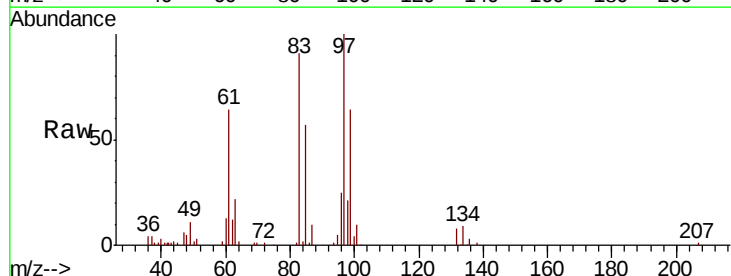
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.7	37.1
39	56.3	45.3	67.9

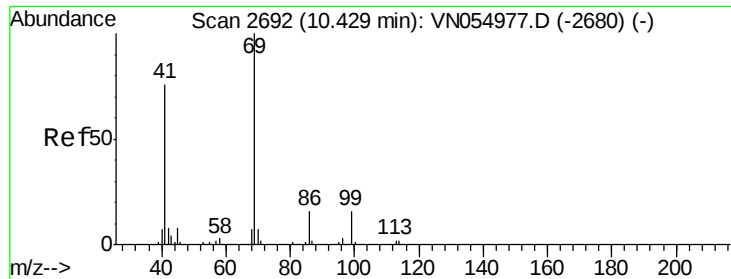


#50

1,1,2-Trichloroethane
Concen: 21.176 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.6	72.1	108.1
85	56.8	45.4	68.0
99	63.8	50.6	75.8





#51

Ethyl methacrylate

Concen: 20.203 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

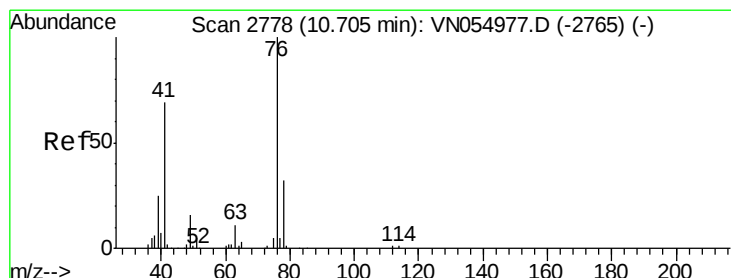
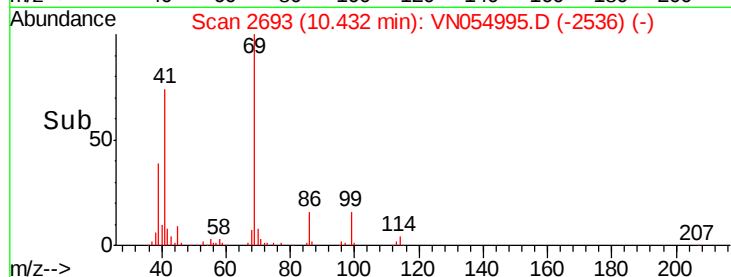
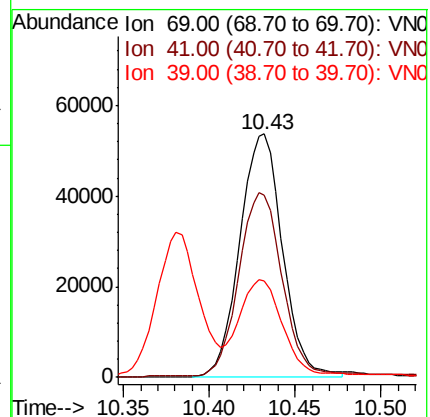
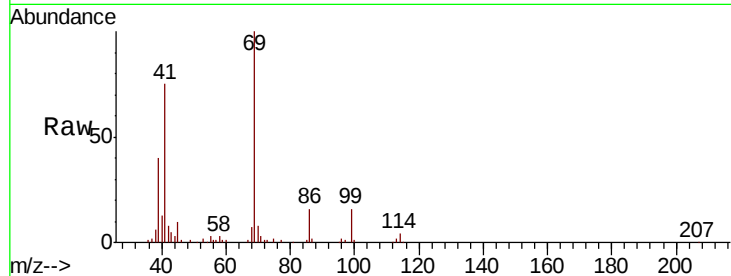
Tot Ion: 69 Resp: 92953

Ion	Ratio	Lower	Upper
69	100		
41	74.5	37.9	113.7
39	38.2	19.8	59.4

69 100

41 74.5 37.9 113.7

39 38.2 19.8 59.4



#52

1,3-Dichloropropane

Concen: 20.984 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054995.D

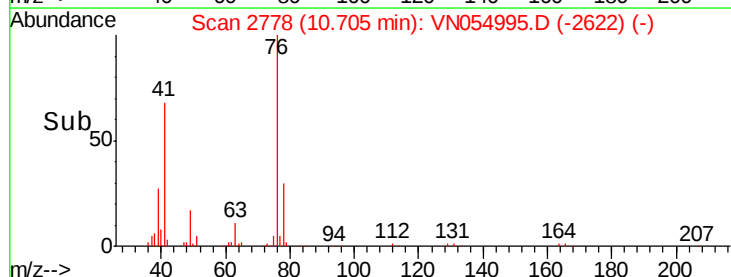
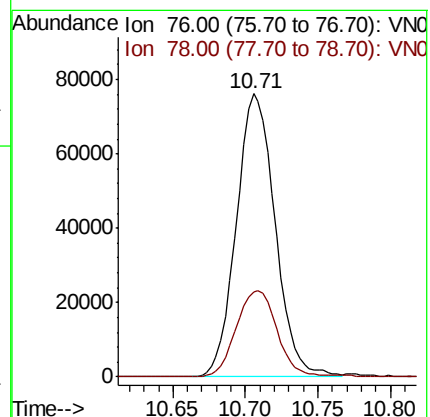
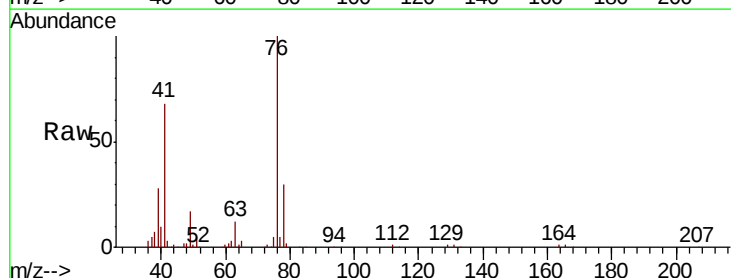
Acq: 12 Apr 2019 13:02

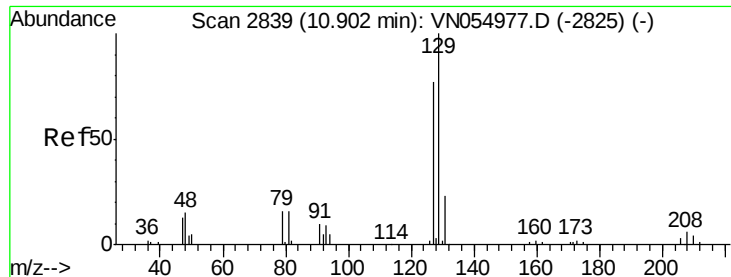
Tgt Ion: 76 Resp: 141920

Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	64.4

76 100

78 31.9 0.0 64.4





#53

Dibromochloromethane

Concen: 20.046 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

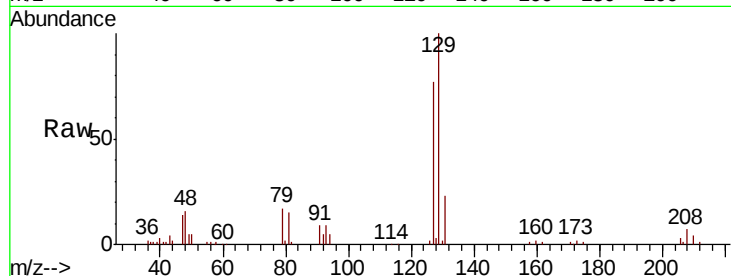
ClientSampleId :

Tot Ion:129 Resp: 79697

Ion Ratio Lower Upper

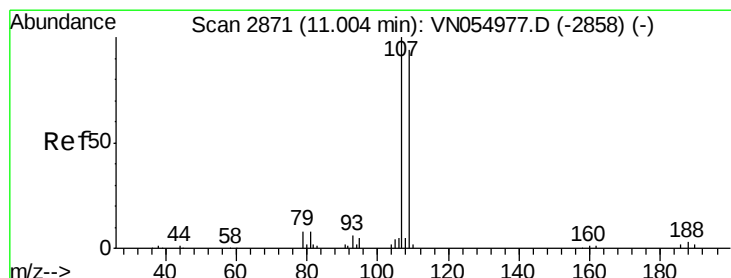
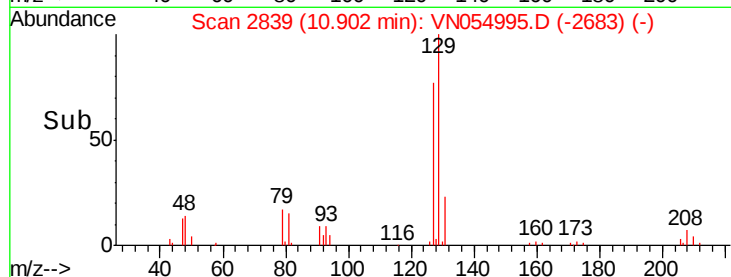
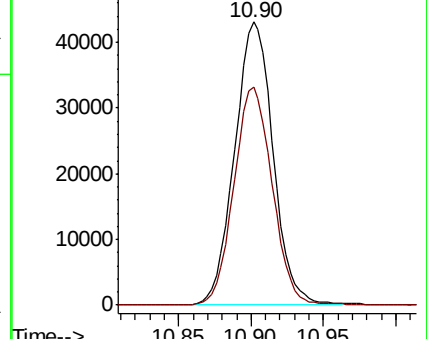
129 100

127 76.4 37.8 113.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.691 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054995.D

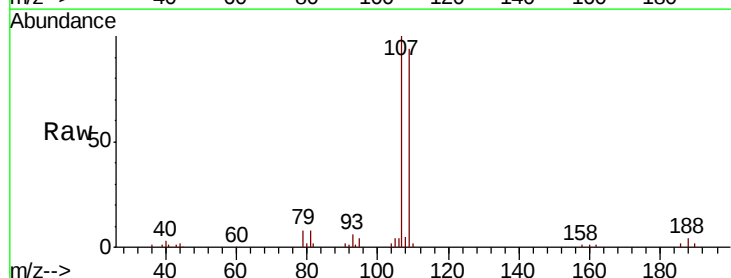
Acq: 12 Apr 2019 13:02

Tgt Ion:107 Resp: 74972

Ion Ratio Lower Upper

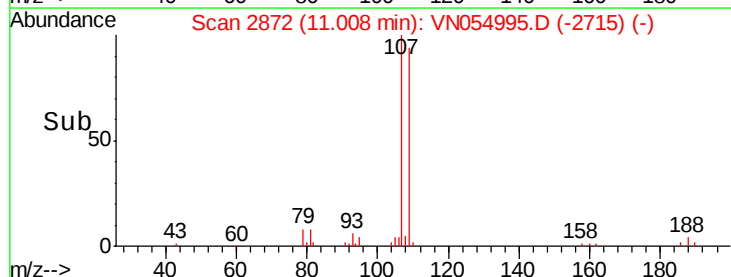
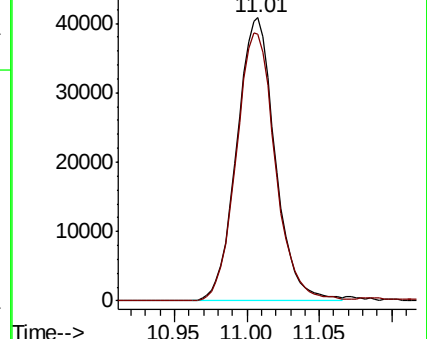
107 100

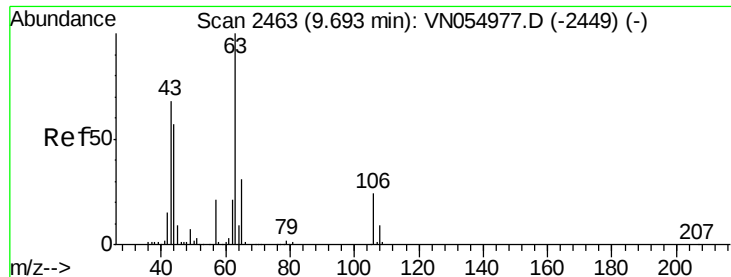
109 95.9 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

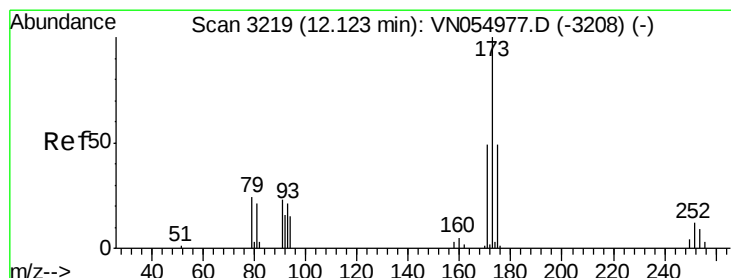
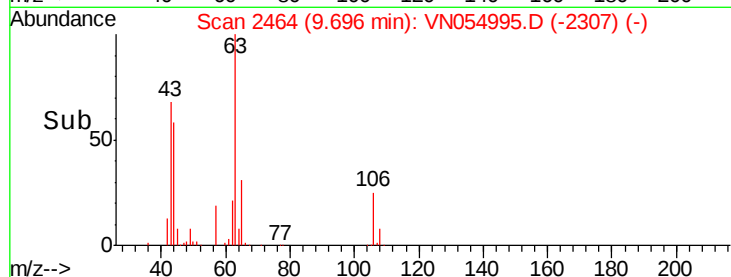
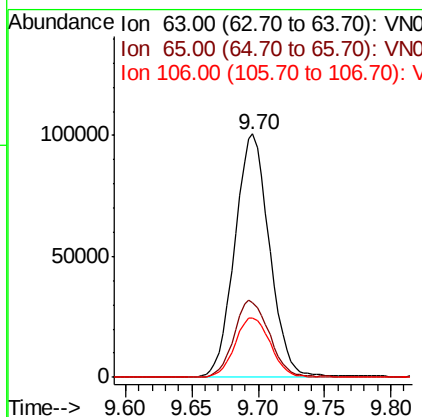
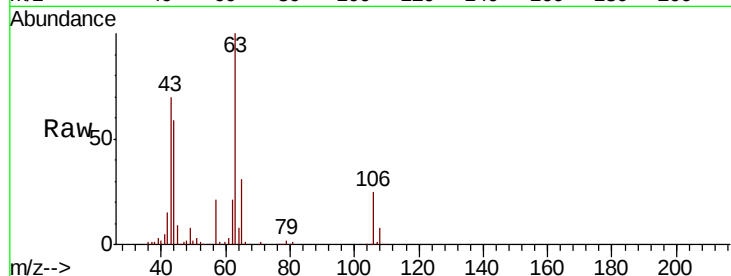




#55
2-Chloroethyl vinyl ether
Concen: 95.374 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

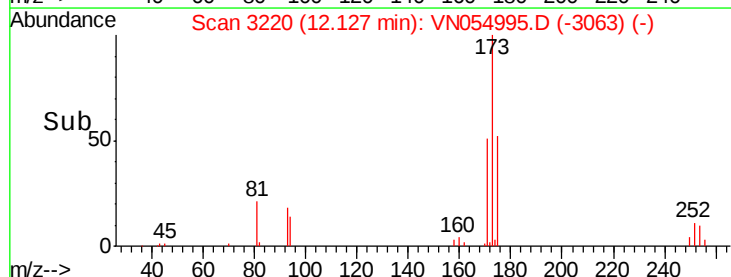
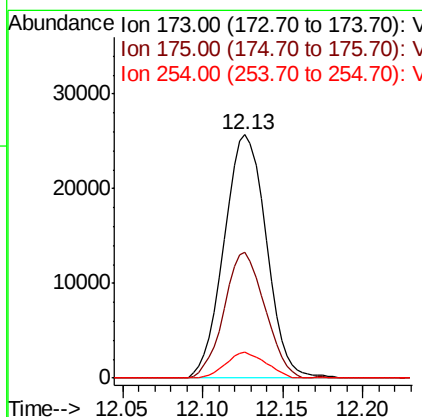
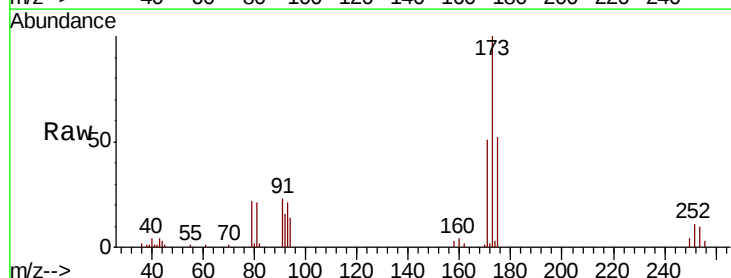
Instrument :
MSVOA_N
ClientSampled :

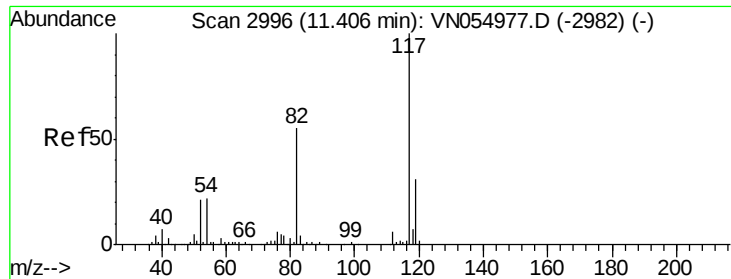
Tot Ion: 63 Resp: 183447
Ion Ratio Lower Upper
63 100
65 32.1 25.4 38.0
106 24.9 19.8 29.6



#56
Bromoform
Concen: 18.600 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 173 Resp: 46465
Ion Ratio Lower Upper
173 100
175 49.7 38.6 57.8
254 10.0 6.8 10.2

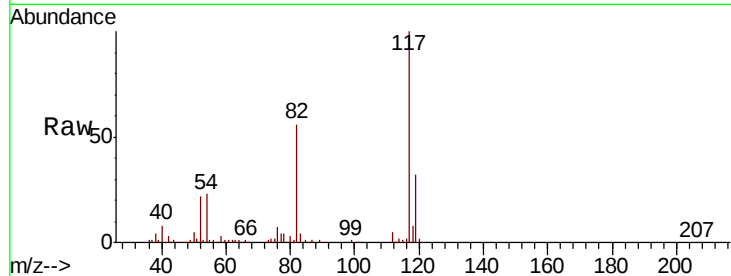




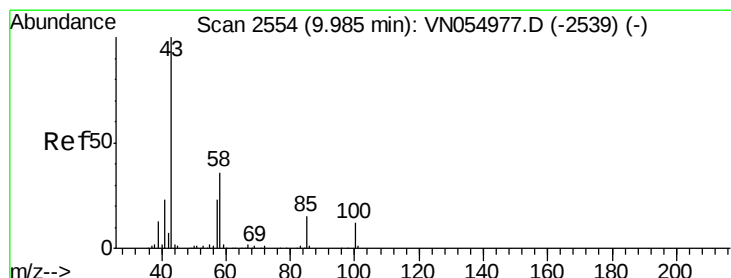
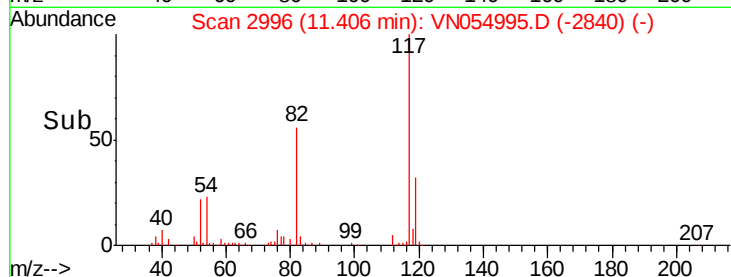
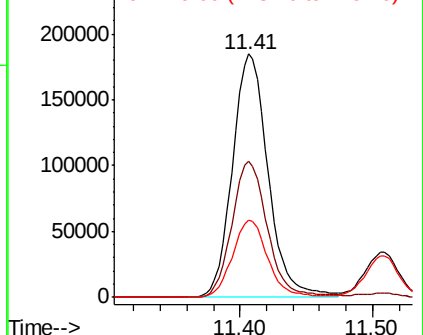
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.2	67.8
119	31.2	25.4	38.2

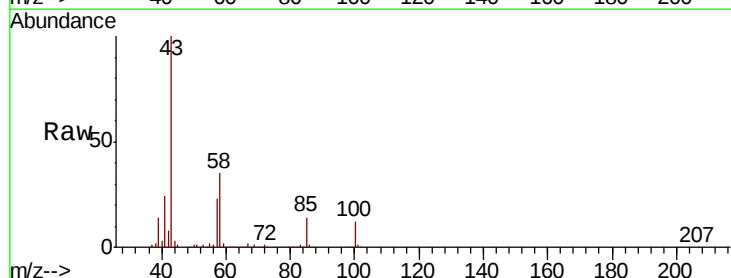


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

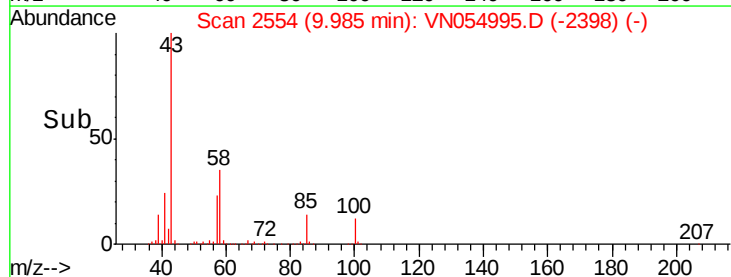
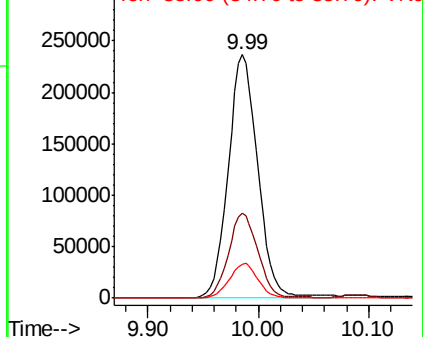


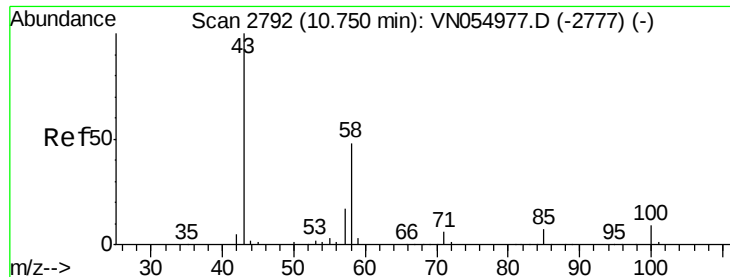
#58
4-Methyl-2-Pentanone
Concen: 109.725 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.7	43.1
85	13.9	11.8	17.6



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





#59

2-Hexanone

Concen: 106.076 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

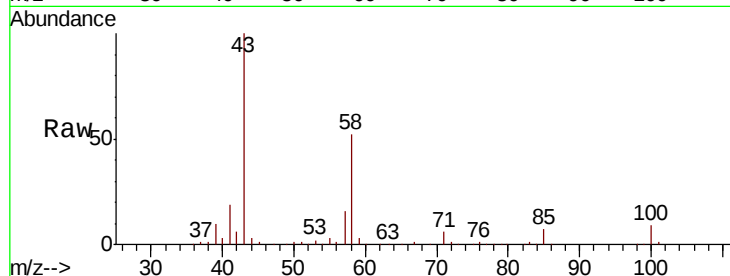
Tot Ion: 43 Resp: 268546

Ion Ratio Lower Upper

43 100

58 50.4 38.8 58.2

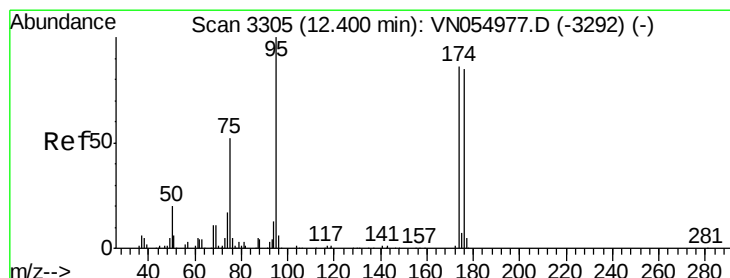
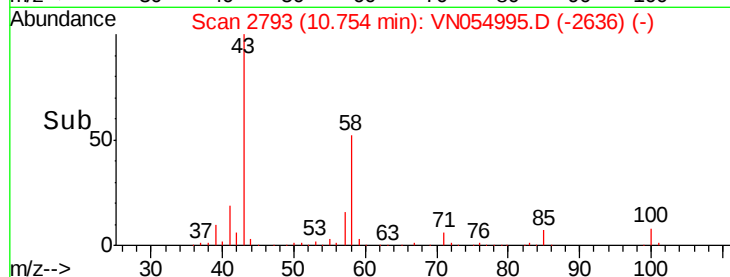
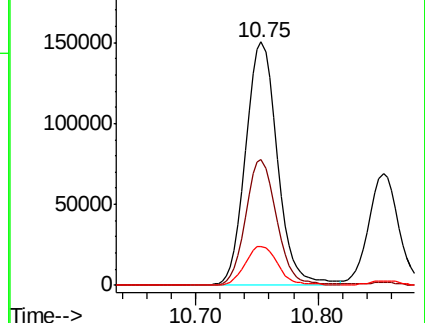
57 16.7 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#60

4-Bromofluorobenzene

Concen: 106.076 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

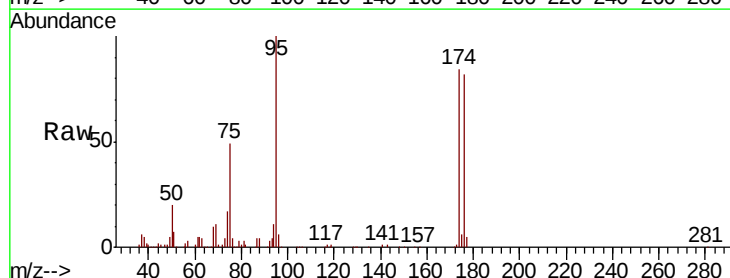
Tgt Ion: 95 Resp: 157725

Ion Ratio Lower Upper

95 100

174 83.9 69.4 104.2

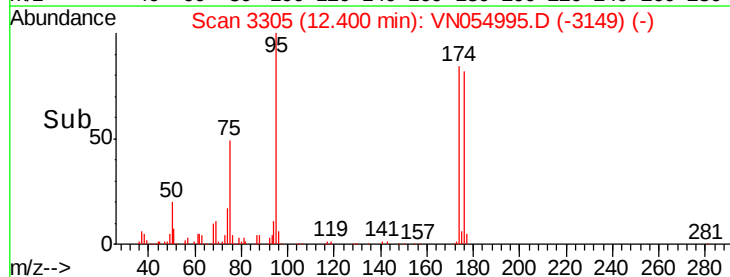
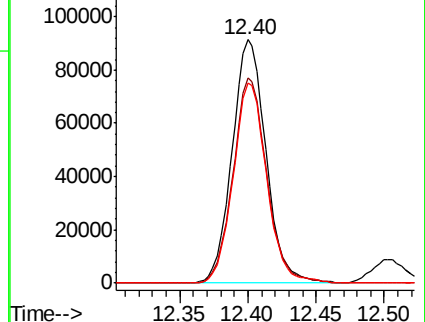
176 81.1 67.4 101.2

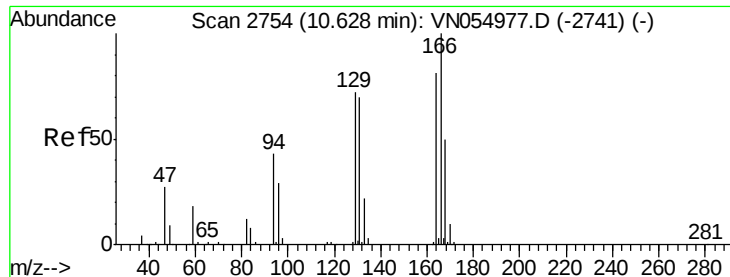


Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 20.819 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 93627

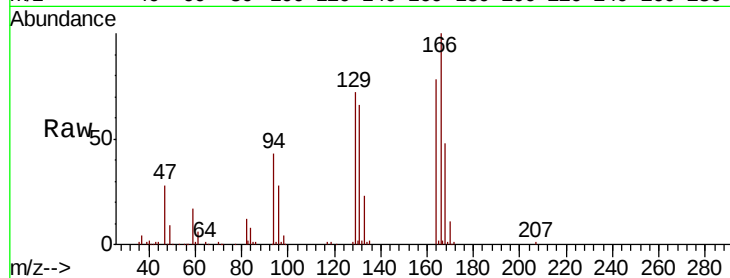
Ion Ratio Lower Upper

164 100

166 127.9 99.0 148.4

129 92.1 71.4 107.0

131 84.7 68.8 103.2

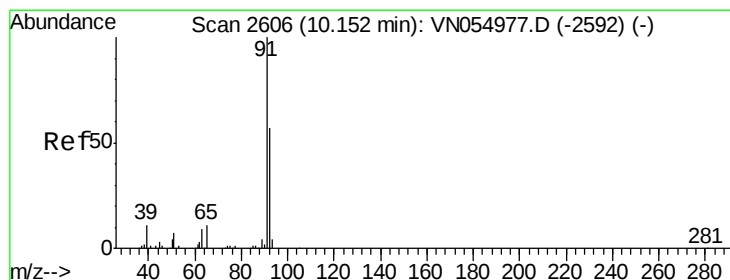
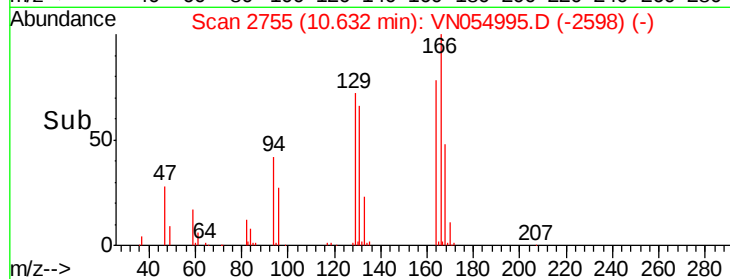
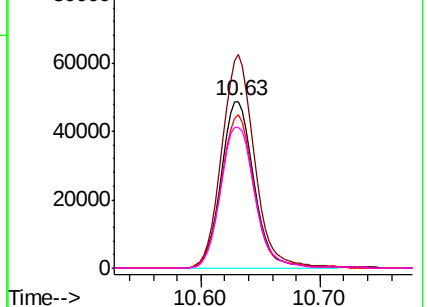


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.777 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054995.D

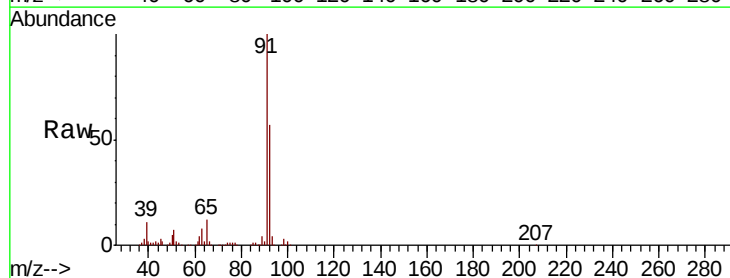
Acq: 12 Apr 2019 13:02

Tgt Ion: 91 Resp: 395607

Ion Ratio Lower Upper

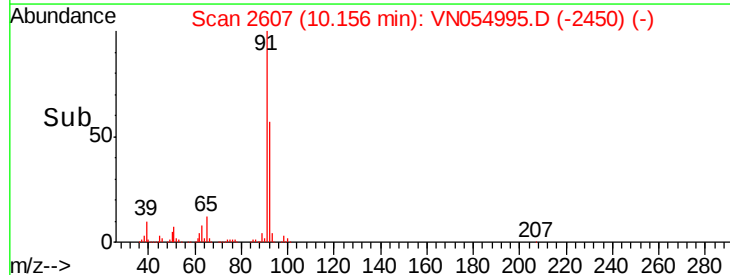
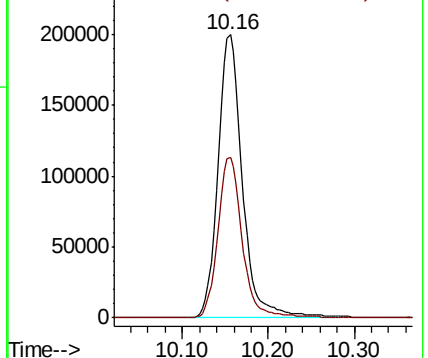
91 100

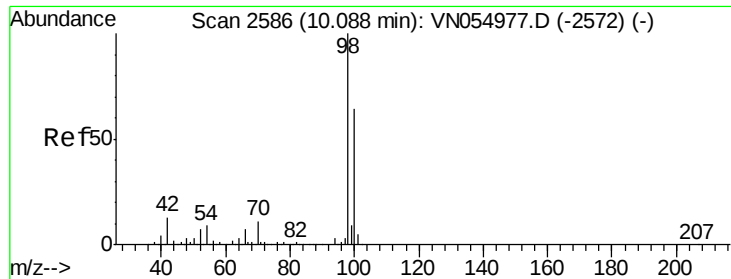
92 55.6 44.8 67.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.777 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

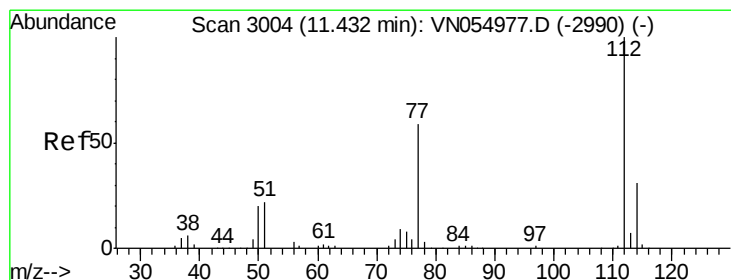
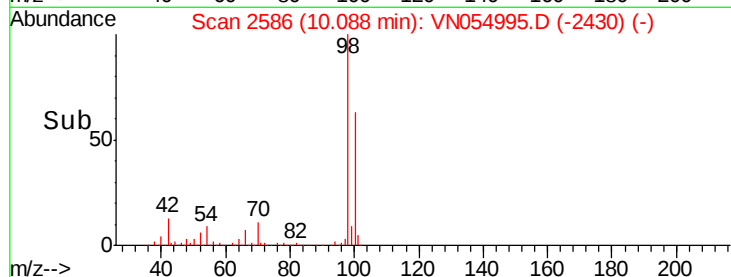
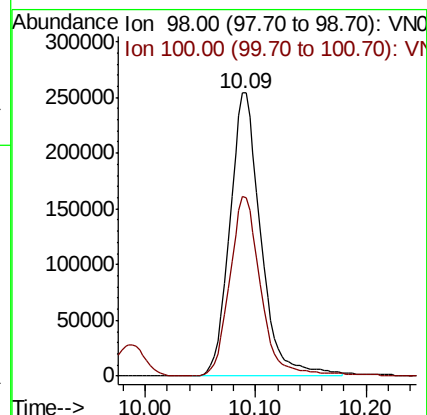
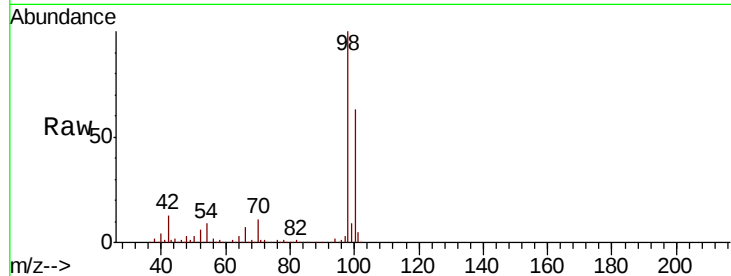
ClientSampleId :

Tot Ion: 98 Resp: 496261

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



#64

Chlorobenzene

Concen: 20.500 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054995.D

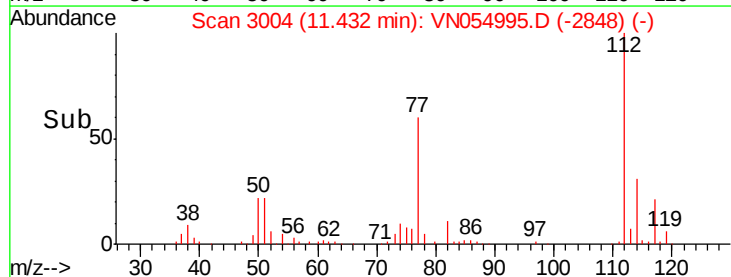
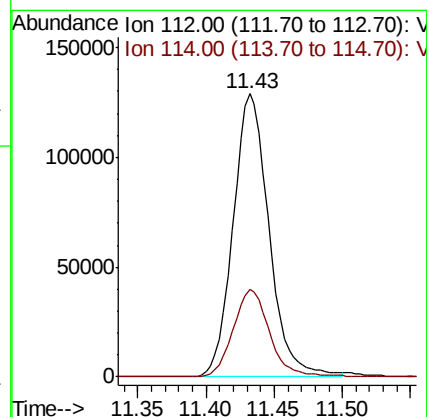
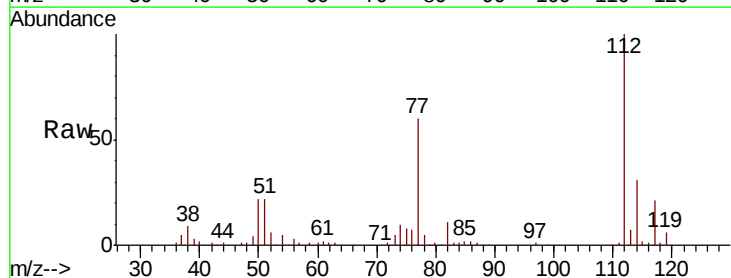
Acq: 12 Apr 2019 13:02

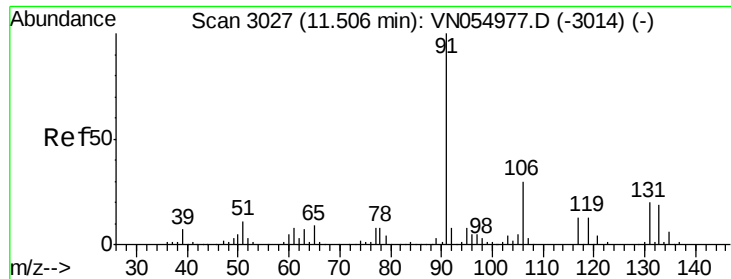
Tgt Ion: 112 Resp: 235642

Ion Ratio Lower Upper

112 100

114 30.7 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 20.565 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

ClientSampled :

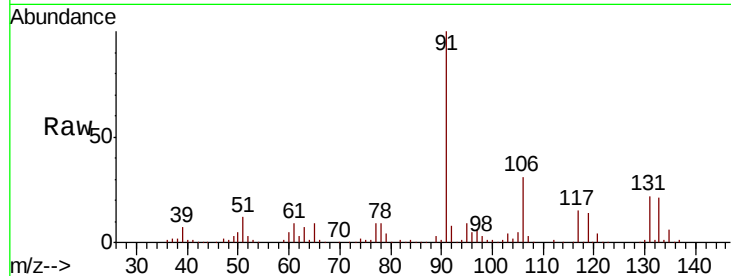
Tot Ion:131 Resp: 84074

Ion Ratio Lower Upper

131 100

133 95.2 0.0 187.8

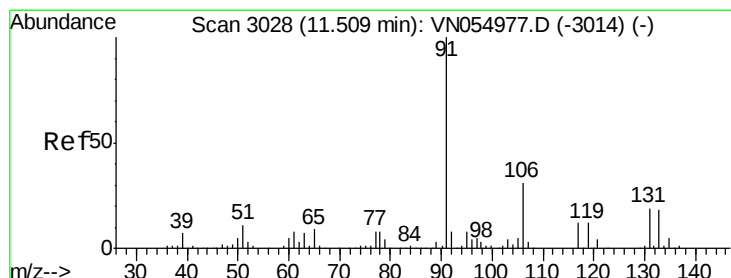
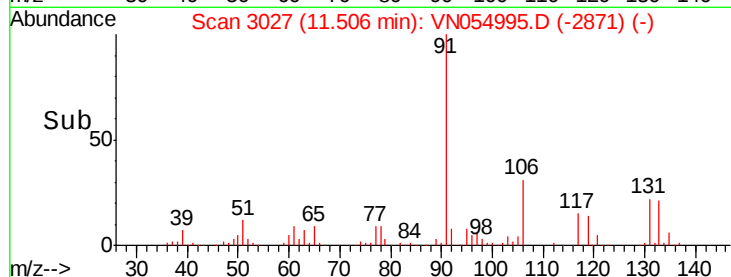
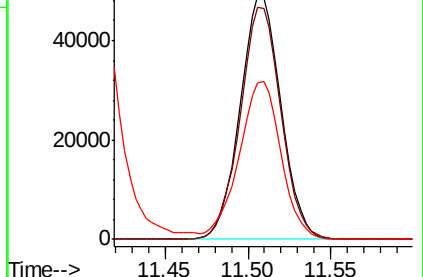
119 65.8 0.0 131.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.101 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054995.D

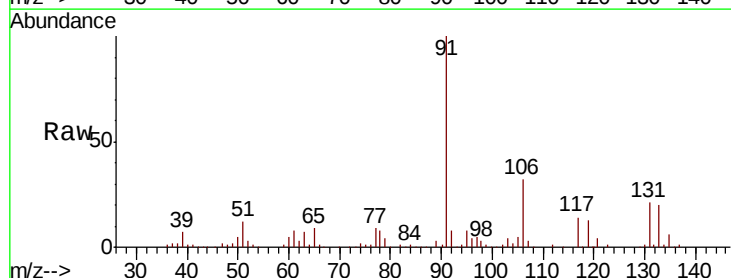
Acq: 12 Apr 2019 13:02

Tgt Ion: 91 Resp: 410275

Ion Ratio Lower Upper

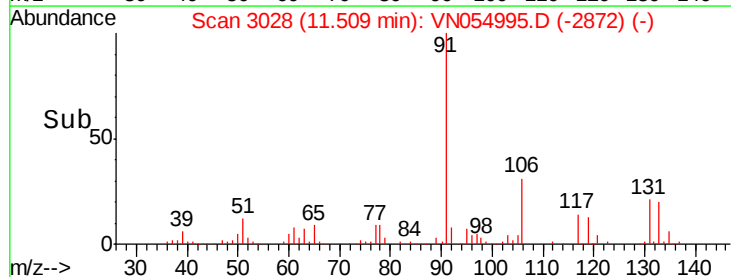
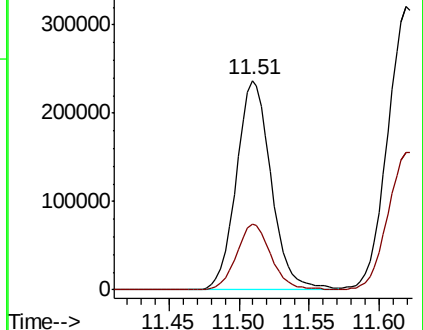
91 100

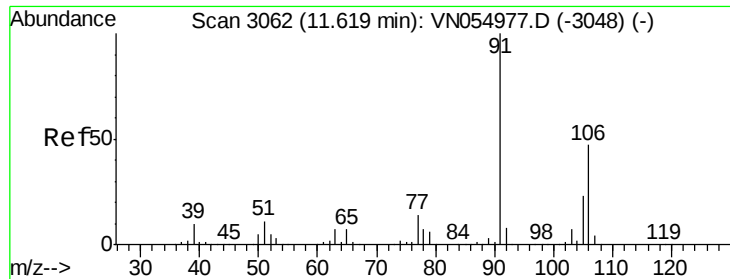
106 31.6 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 41.301 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

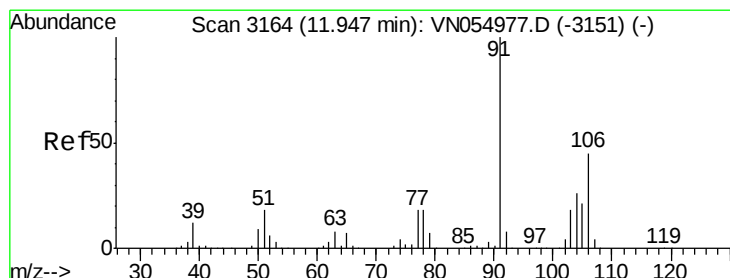
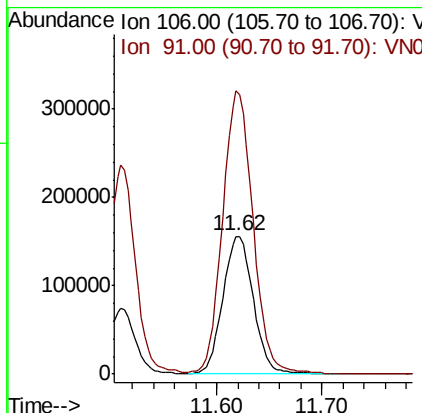
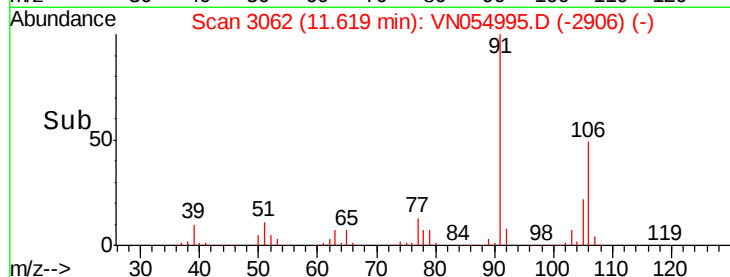
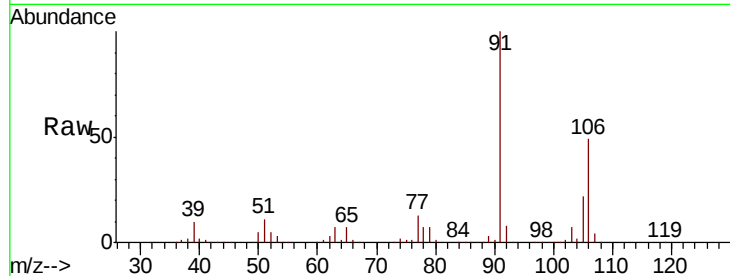
ClientSampleId :

Tot Ion:106 Resp: 313343

Ion Ratio Lower Upper

106 100

91 205.0 167.4 251.2



#68

o-Xylene

Concen: 20.444 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054995.D

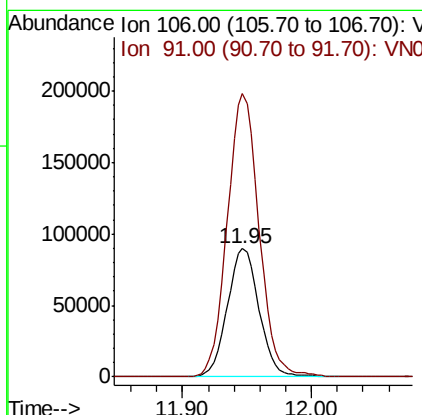
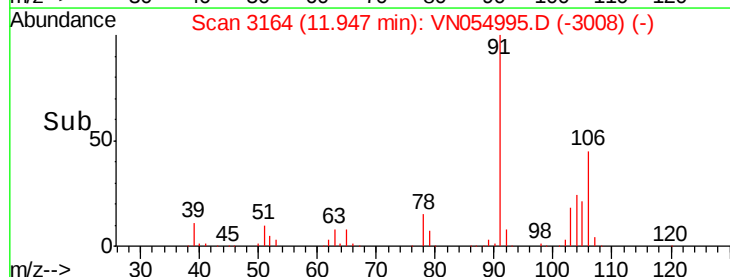
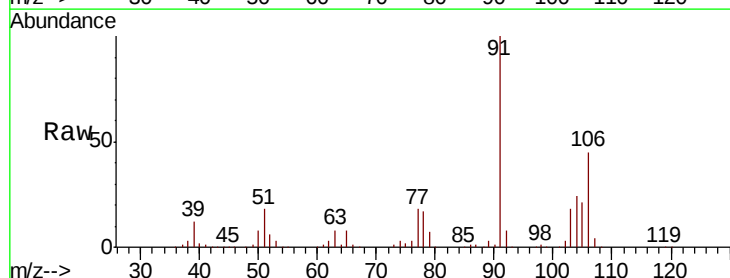
Acq: 12 Apr 2019 13:02

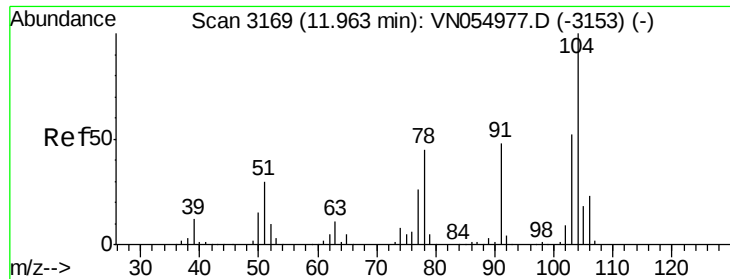
Tgt Ion:106 Resp: 153278

Ion Ratio Lower Upper

106 100

91 220.8 110.3 330.8

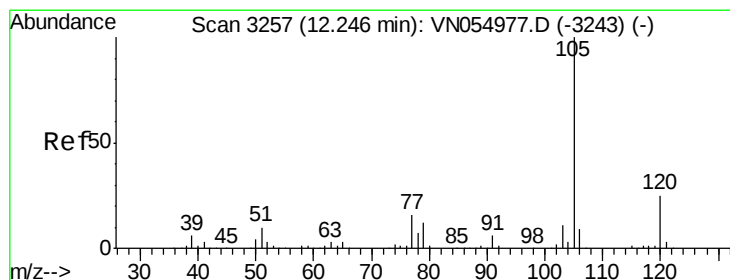
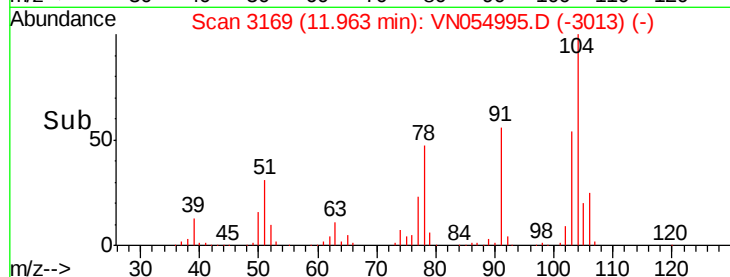
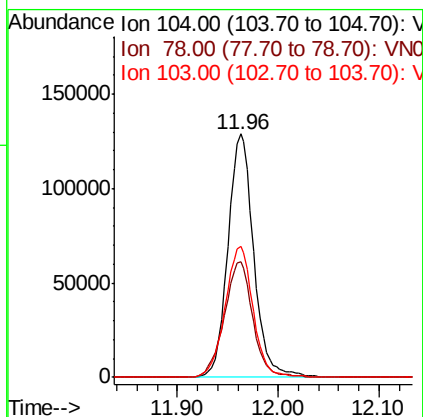
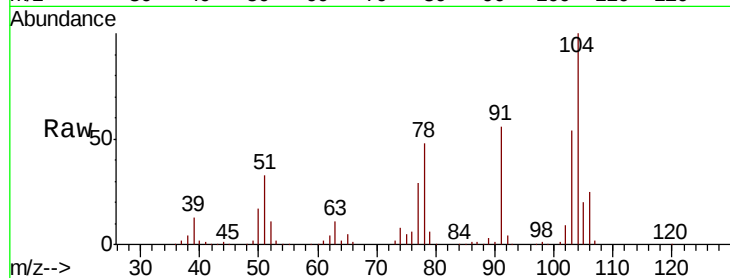




#69
Stvrene
Concen: 19.763 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

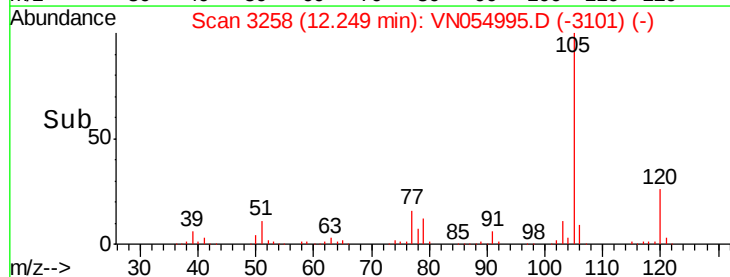
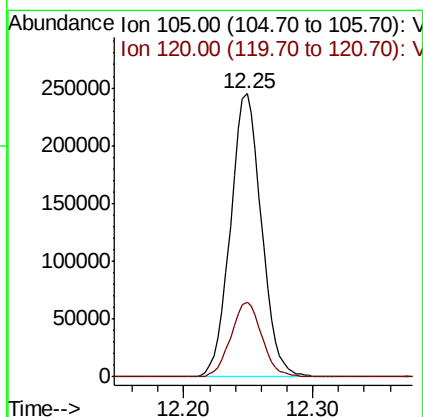
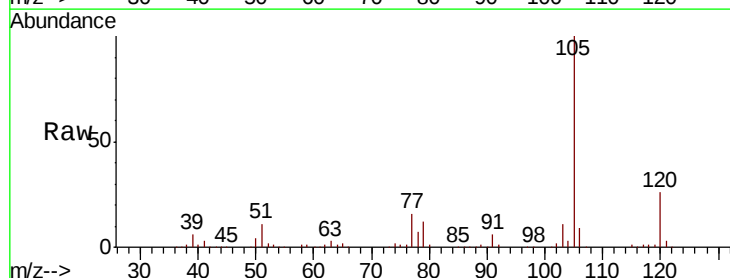
Instrument :
MSVOA_N
ClientSampleId :

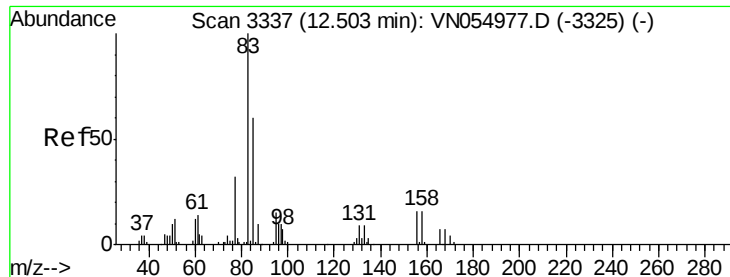
Tot Ion:104 Resp: 230083
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 58.4 44.6 67.0



#70
Isopropylbenzene
Concen: 20.395 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion:105 Resp: 408829
Ion Ratio Lower Upper
105 100
120 26.5 18.3 33.9

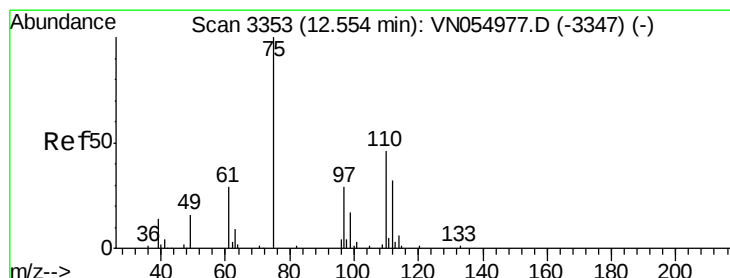
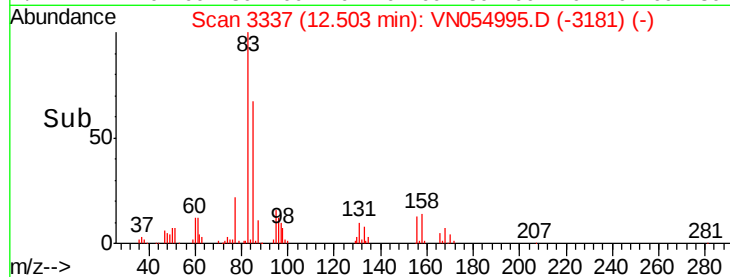
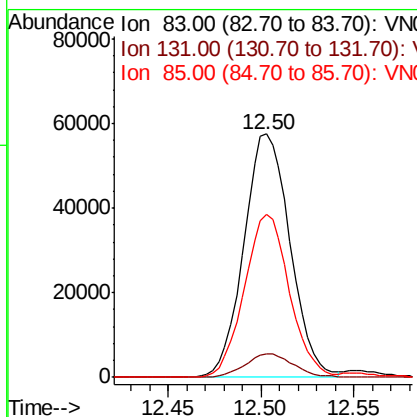
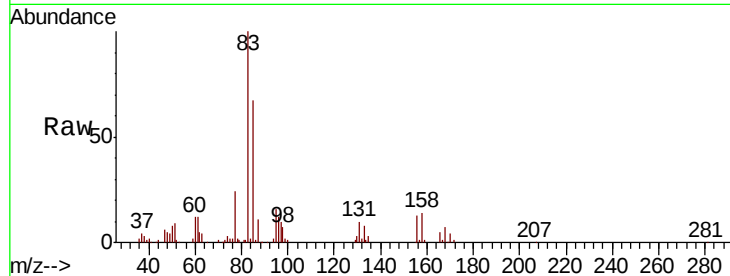




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.847 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

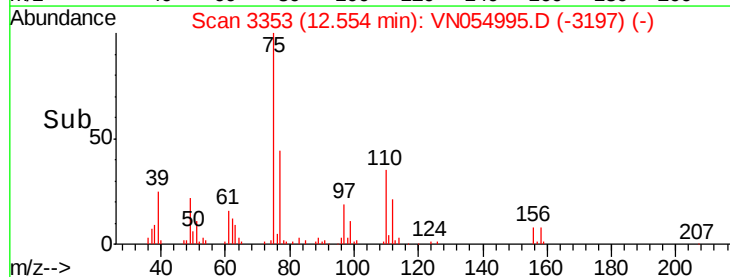
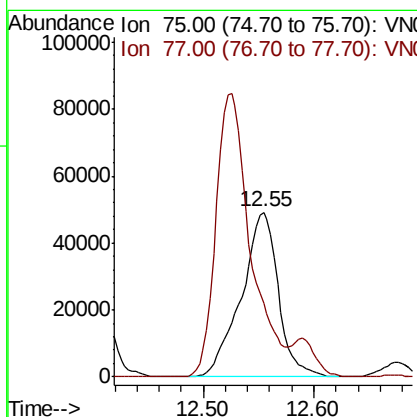
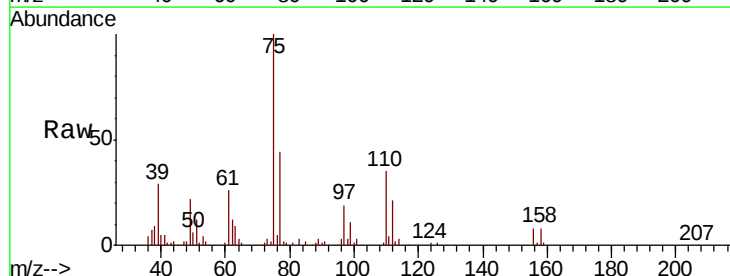
Instrument :
 MSVOA_N
 ClientSampleId :

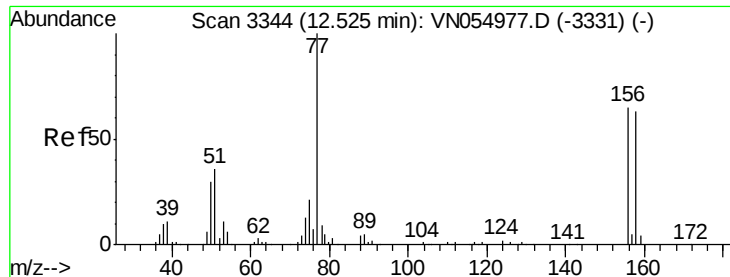
Tot Ion	83	Resp	100167
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.6	13.8
85	65.2	30.9	92.5



#72
 1,2,3-Trichloropropane
 Concen: 30.290 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	75	Resp	114688
Ion Ratio	Lower	Upper	
75	100		
77	161.0	0.0	466.6





#73

Bromobenzene

Concen: 19.824 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

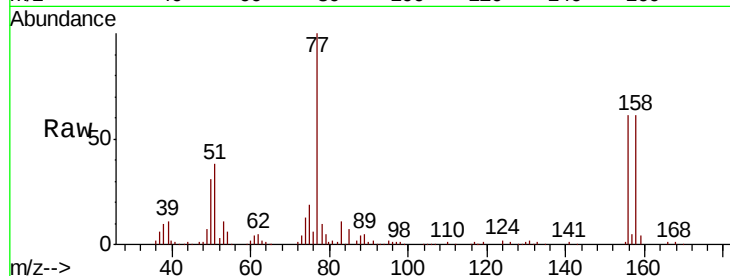
Tot Ion:156 Resp: 93929

Ion Ratio Lower Upper

156 100

77 196.6 0.0 383.2

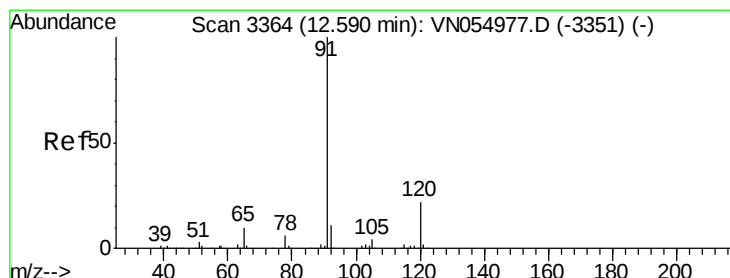
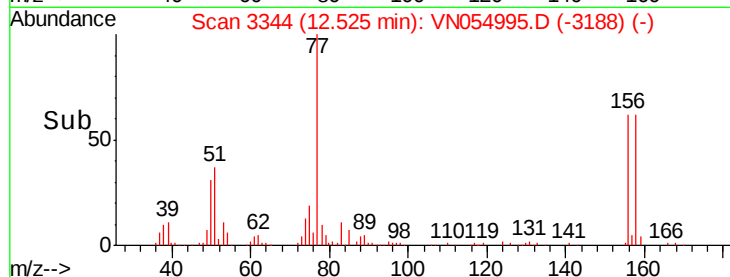
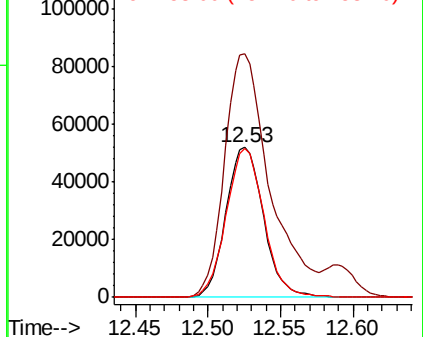
158 100.0 0.0 193.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.036 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054995.D

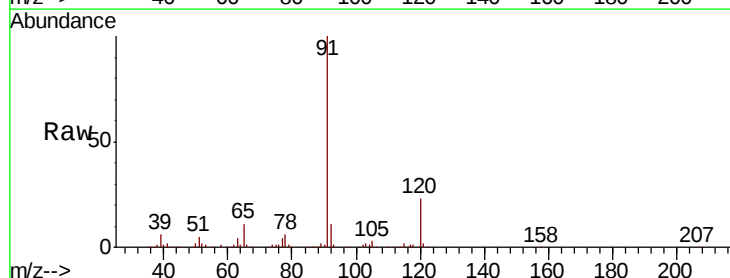
Acq: 12 Apr 2019 13:02

Tgt Ion: 91 Resp: 449640

Ion Ratio Lower Upper

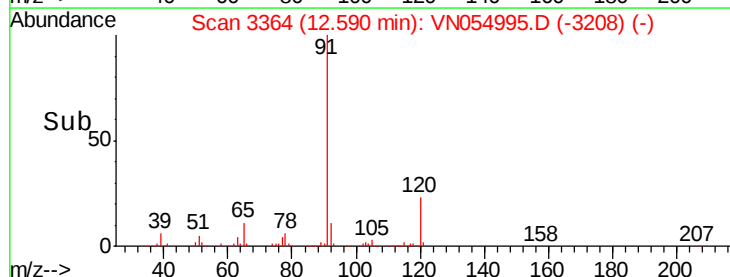
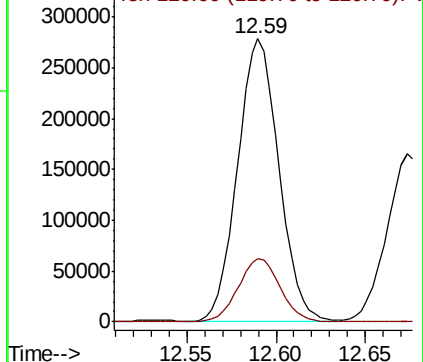
91 100

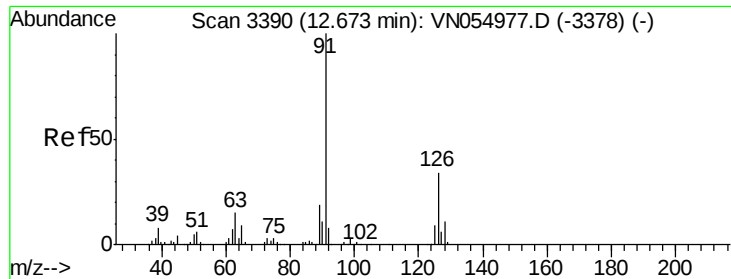
120 22.7 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.566 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

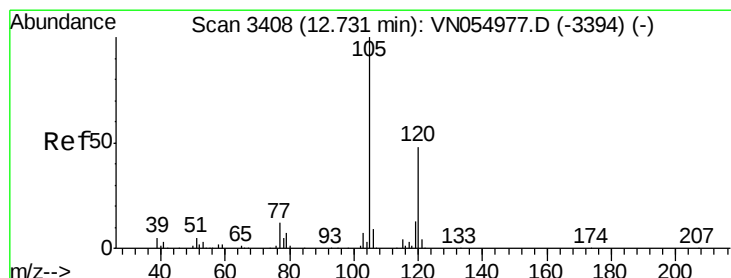
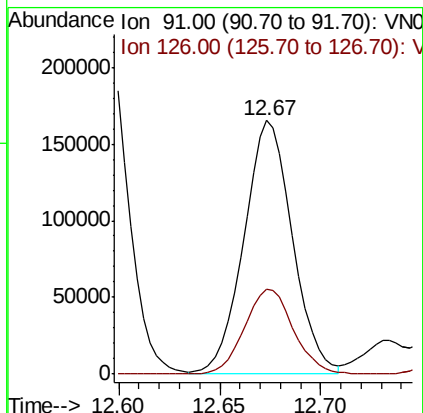
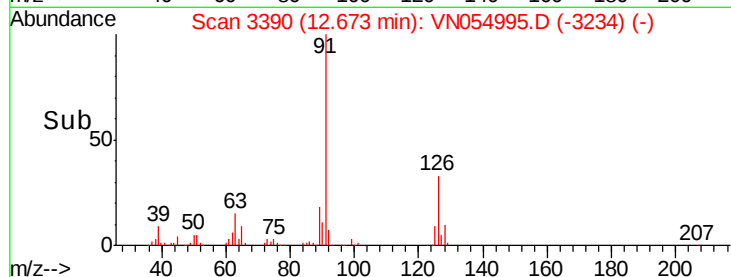
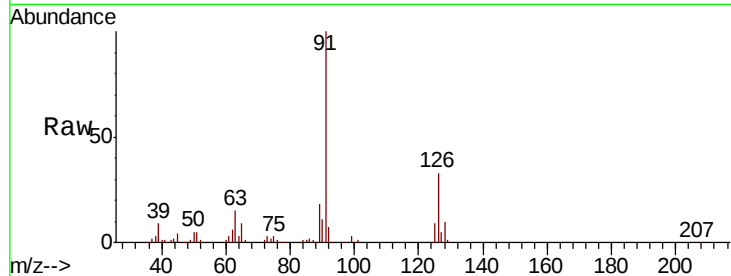
ClientSampleId :

Tot Ion: 91 Resp: 278354

Ion Ratio Lower Upper

91 100

126 33.7 0.0 67.4



#76

1,3,5-Trimethylbenzene

Concen: 20.414 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054995.D

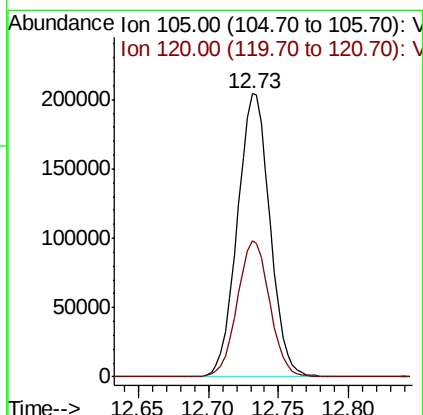
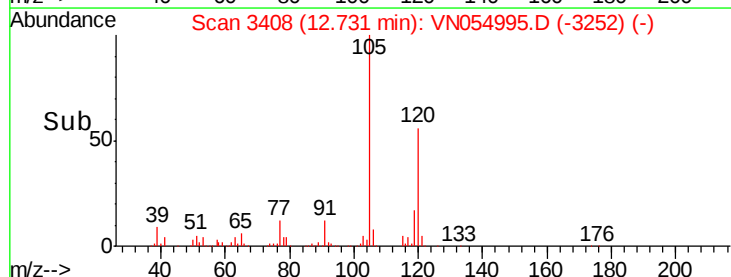
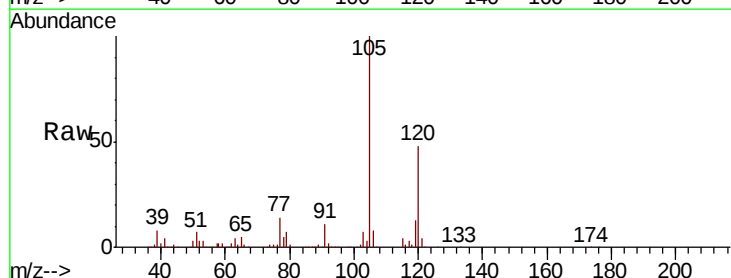
Acq: 12 Apr 2019 13:02

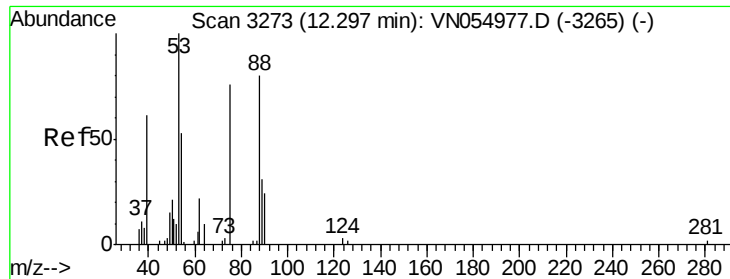
Tgt Ion: 105 Resp: 330840

Ion Ratio Lower Upper

105 100

120 47.9 0.0 94.8



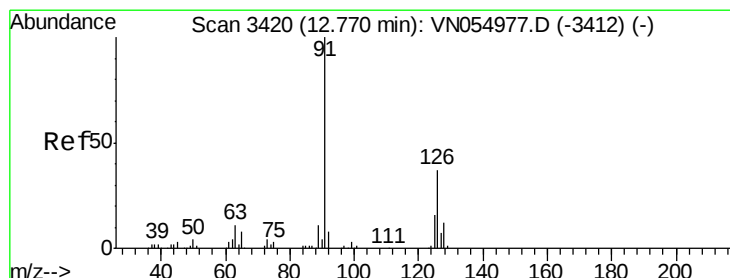
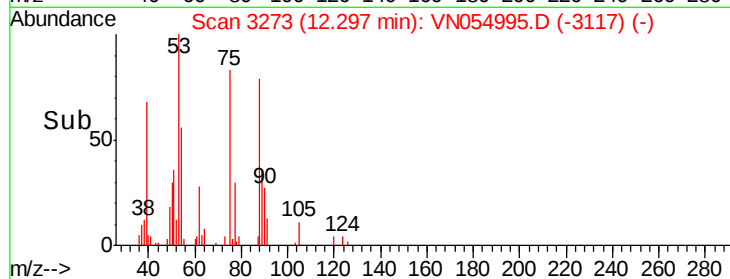
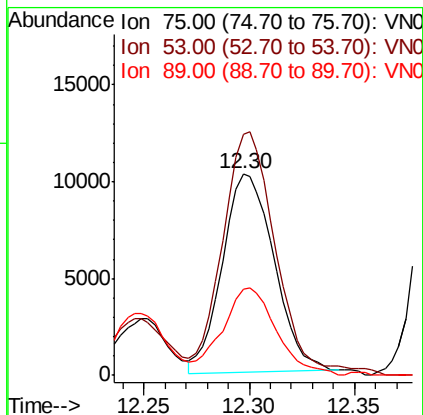
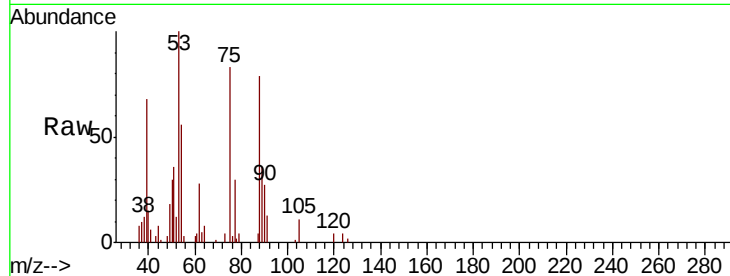


#77
t-1,4-Dichloro-2-butene
Concen: 18.302 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 17468

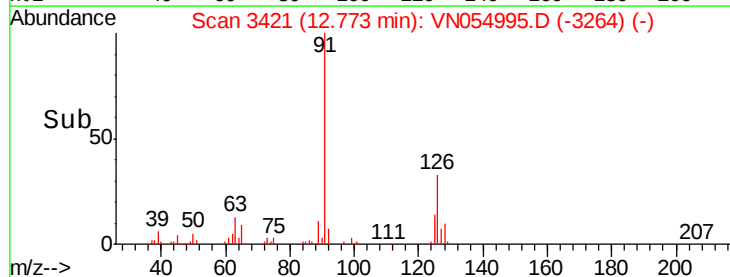
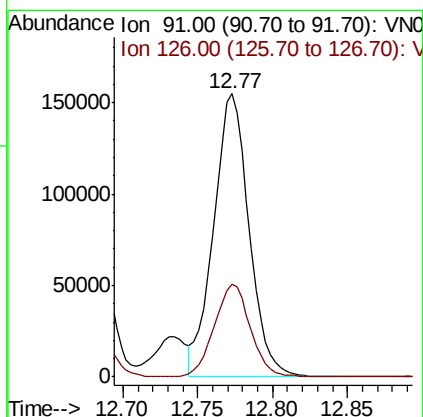
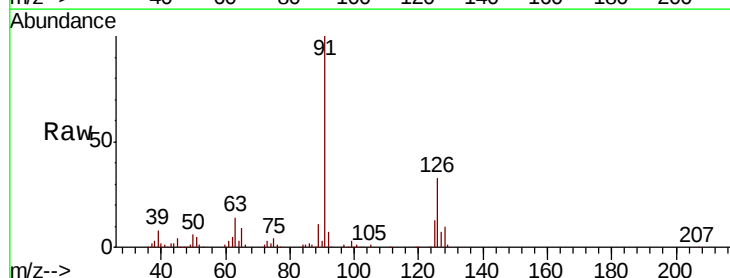
Ion	Ratio	Lower	Upper
75	100		
53	118.5	64.3	192.7
89	44.0	21.6	65.0

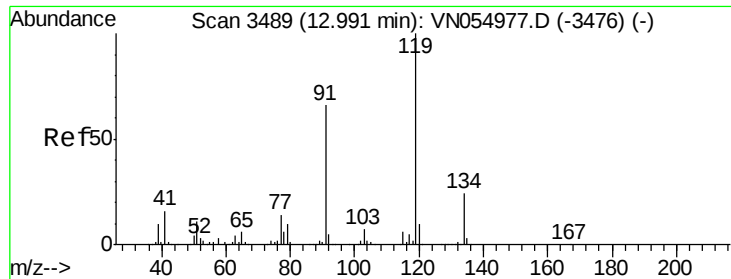


#78
4-Chlorotoluene
Concen: 19.824 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 91 Resp: 255660

Ion	Ratio	Lower	Upper
91	100		
126	33.4	0.0	66.6

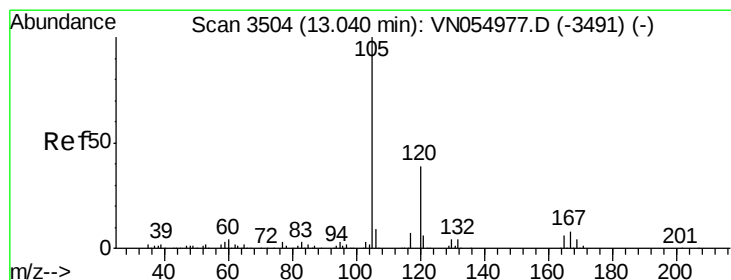
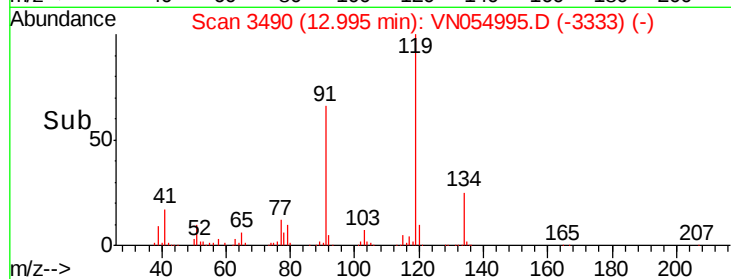
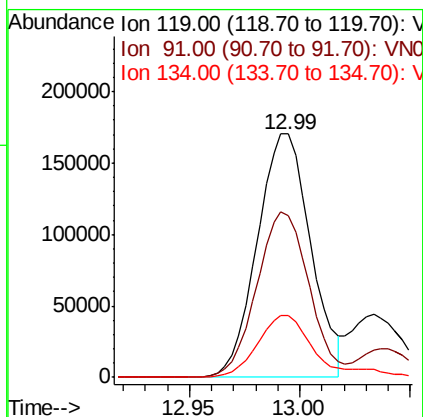
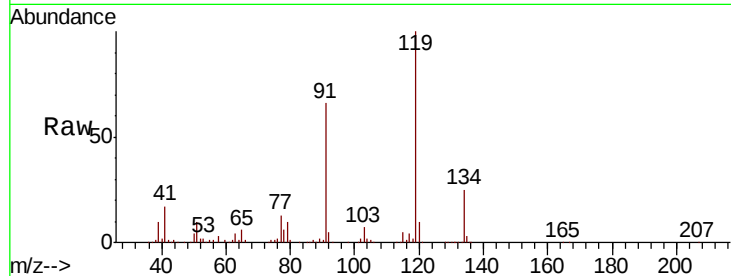




#79
tert-butylbenzene
Concen: 20.405 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

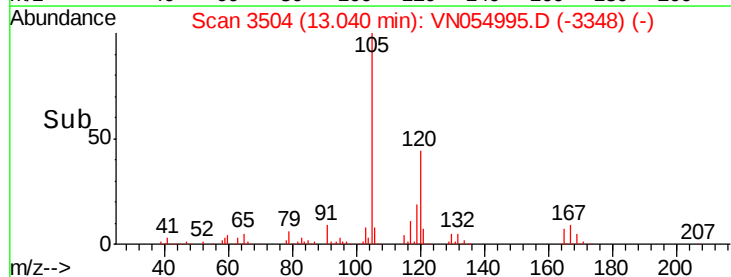
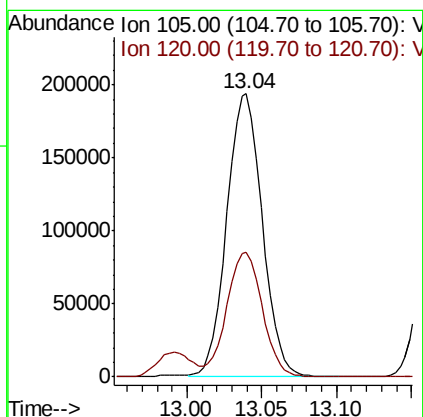
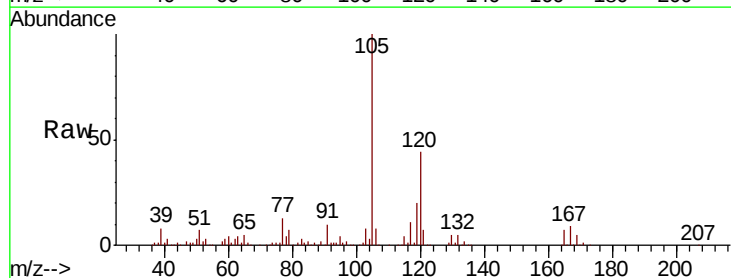
Instrument :
MSVOA_N
ClientSampled :

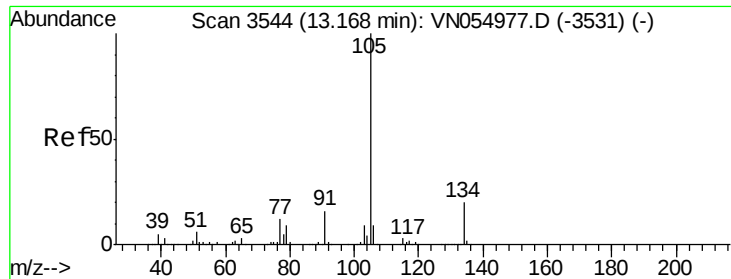
Tot Ion:119 Resp: 286143
Ion Ratio Lower Upper
119 100
91 66.6 0.0 132.6
134 25.4 0.0 47.6



#80
1,2,4-Trimethylbenzene
Concen: 20.145 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion:105 Resp: 320733
Ion Ratio Lower Upper
105 100
120 44.0 0.0 91.4





#81

sec-Butylbenzene

Concen: 20.248 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

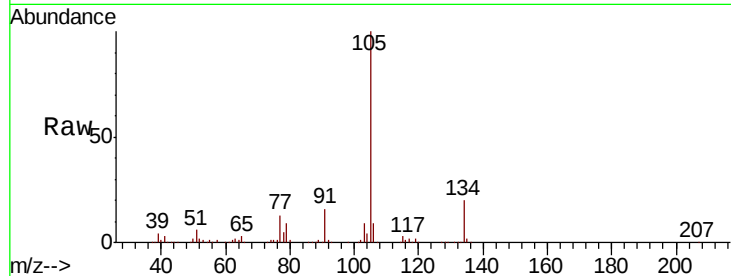
ClientSampled :

Tot Ion:105 Resp: 379392

Ion Ratio Lower Upper

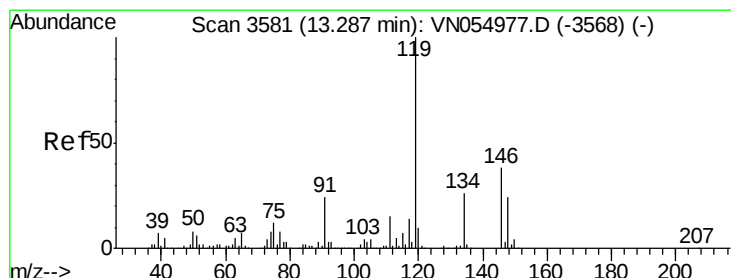
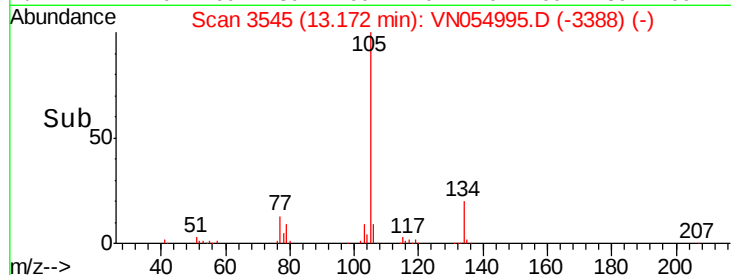
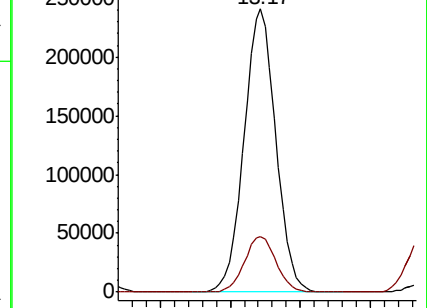
105 100

134 19.6 0.0 40.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.435 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

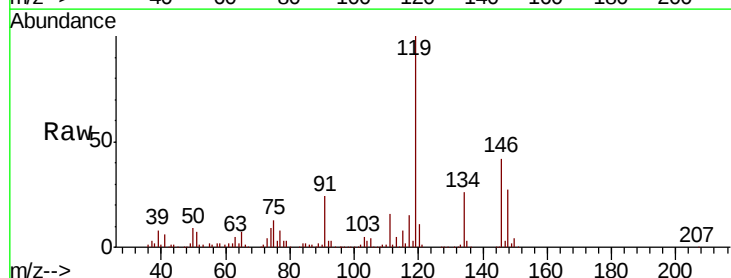
Tgt Ion:119 Resp: 307332

Ion Ratio Lower Upper

119 100

134 26.2 0.0 53.2

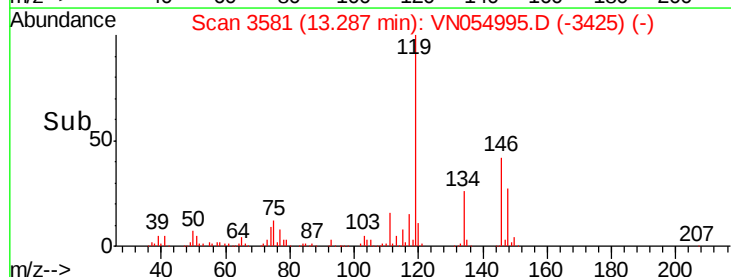
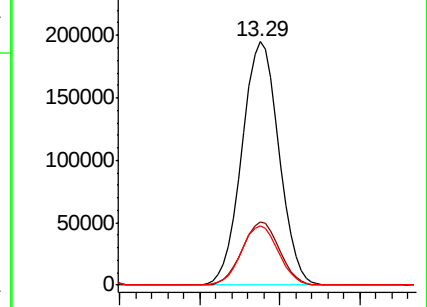
91 24.3 0.0 47.8

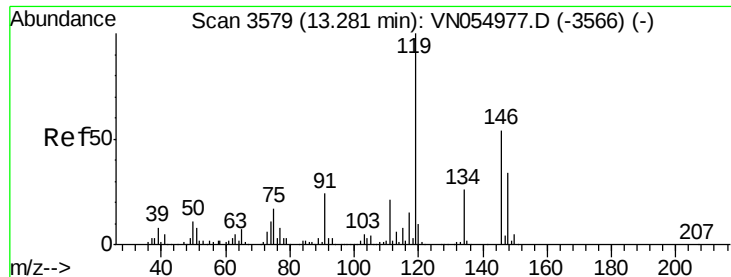


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

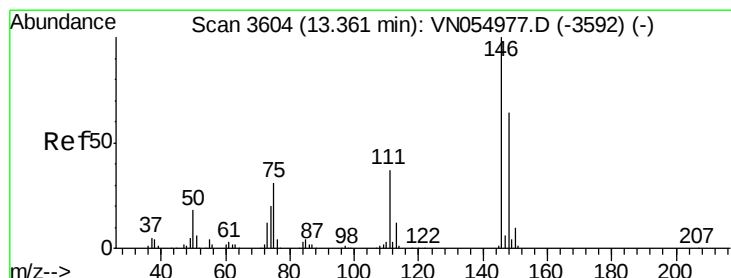
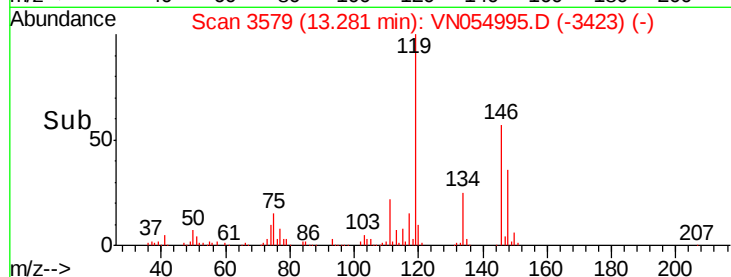
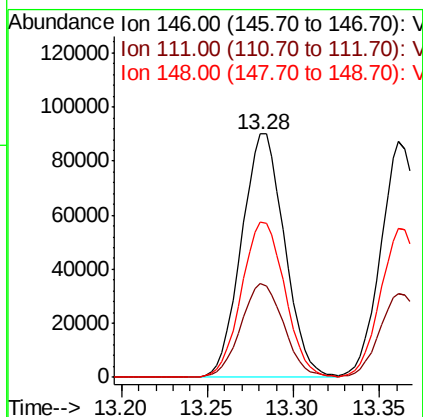
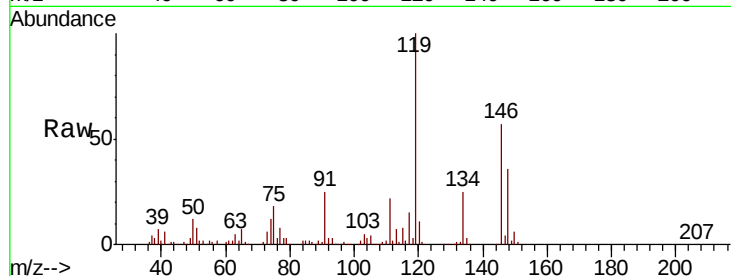




#83
 1,3-Dichlorobenzene
 Concen: 19.761 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

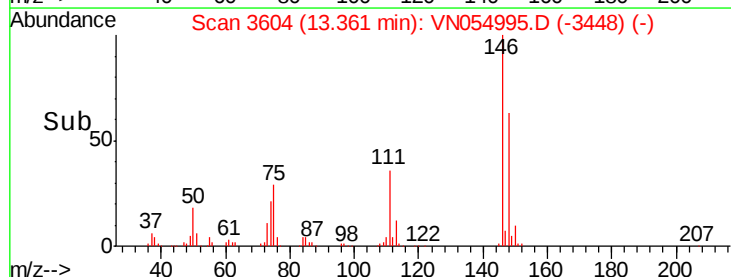
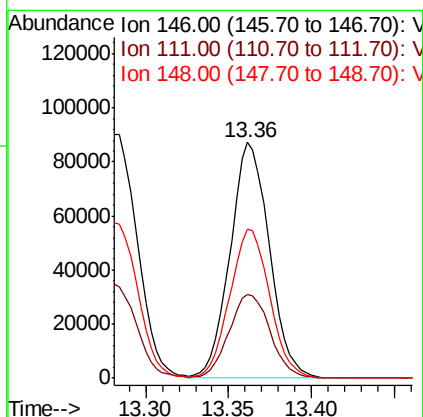
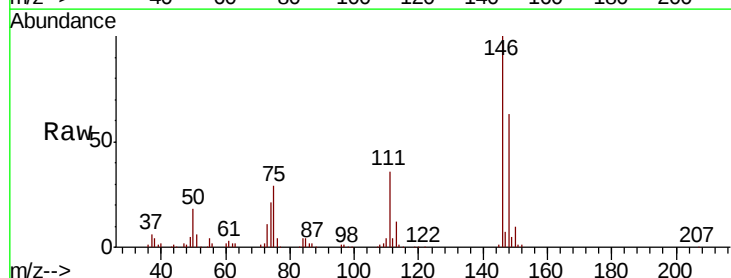
Instrument :
 MSVOA_N
 ClientSampled :

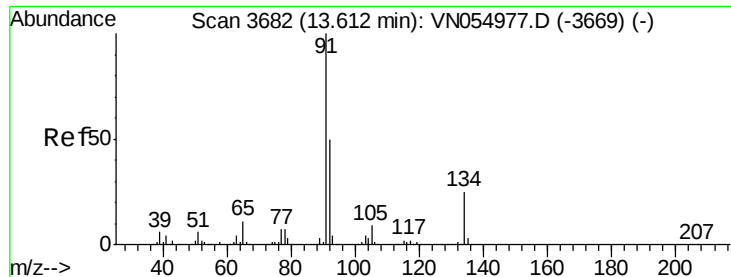
Tot Ion:146 Resp: 156635
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.5
 148 64.2 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 19.085 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion:146 Resp: 143753
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.4 55.2
 148 64.1 32.5 97.4

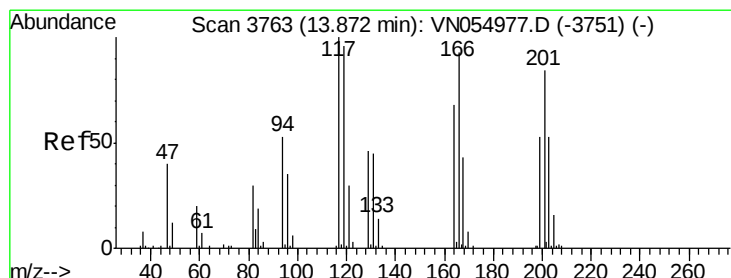
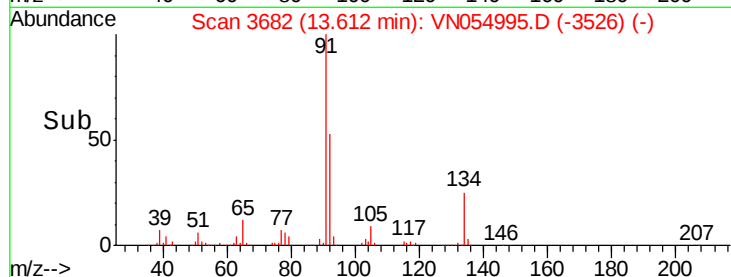
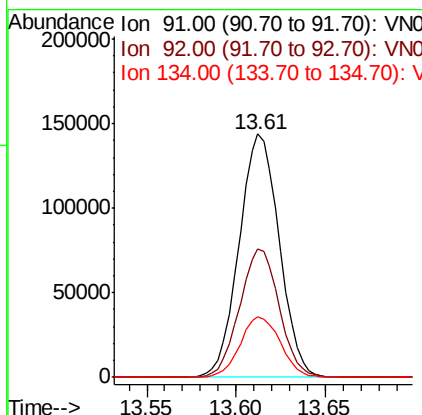
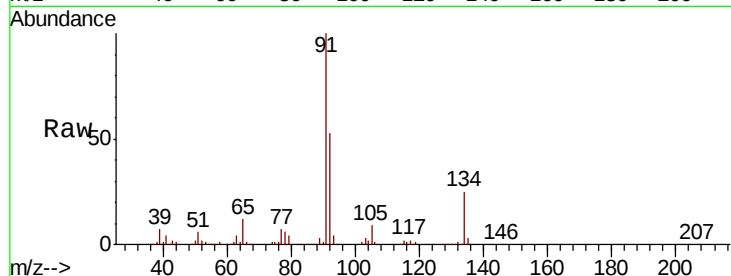




#85
n-Butylbenzene
Concen: 17.895 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

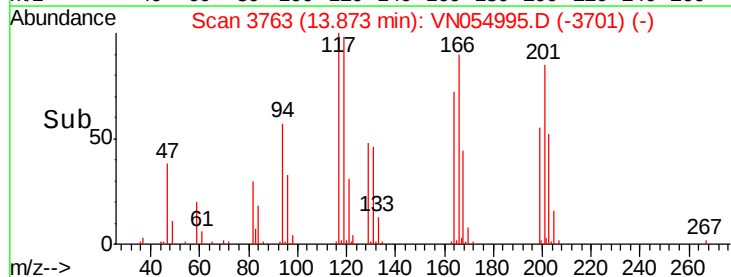
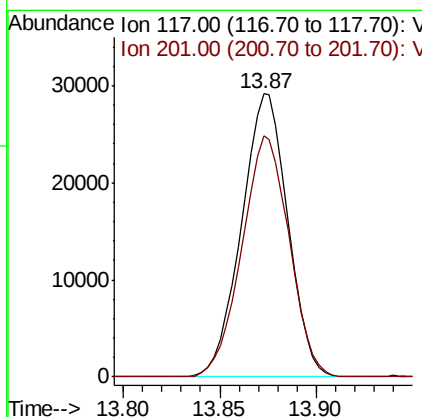
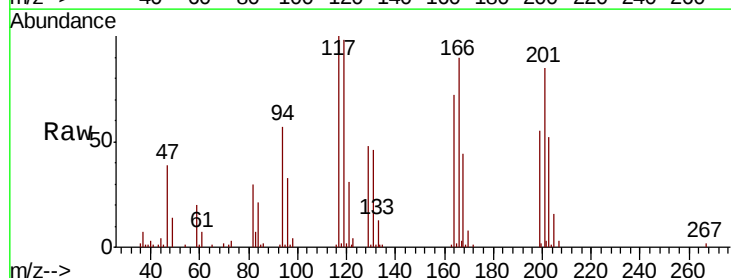
Instrument :
MSVOA_N
ClientSampled :

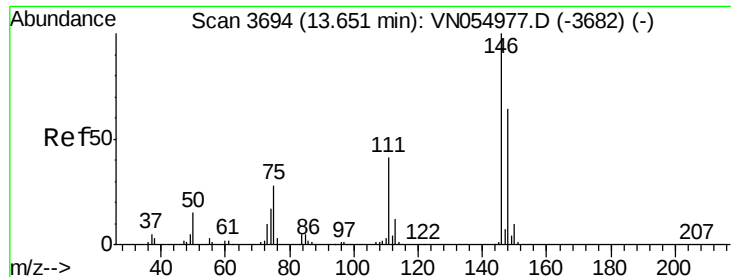
Tot Ion: 91 Resp: 225415
Ion Ratio Lower Upper
91 100
92 52.1 0.0 101.4
134 24.9 0.0 49.8



#86
Hexachloroethane
Concen: 19.171 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 117 Resp: 48529
Ion Ratio Lower Upper
117 100
201 86.7 42.8 128.3





#87

1,2-Dichlorobenzene

Concen: 20.505 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

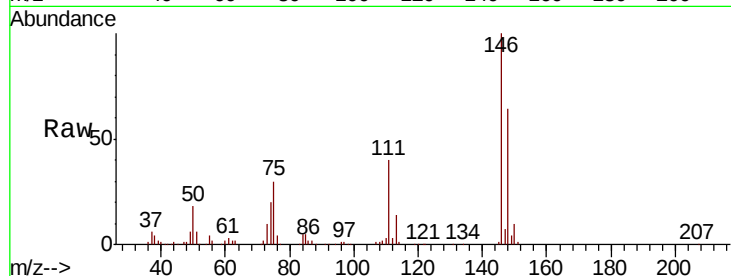
Tot Ion:146 Resp: 159173

Ion Ratio Lower Upper

146 100

111 39.2 20.3 60.8

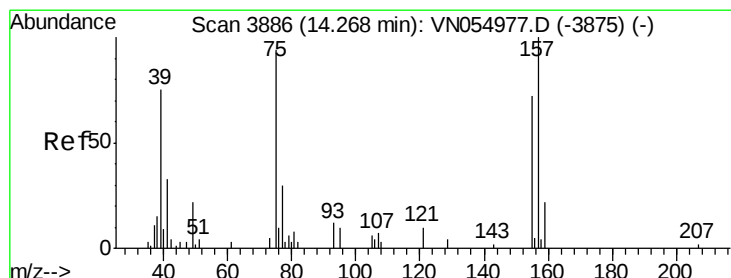
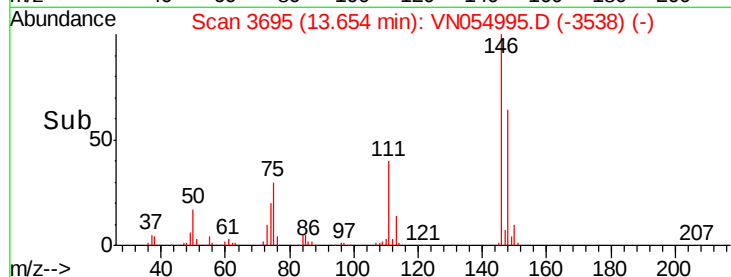
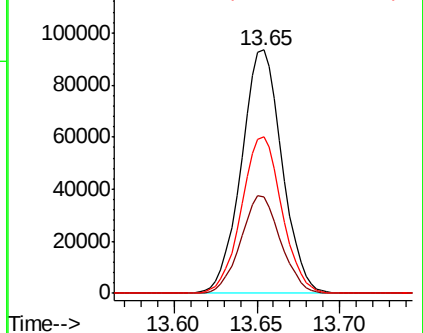
148 63.9 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.597 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

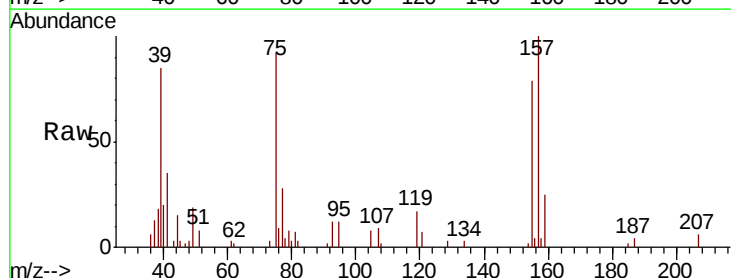
Tgt Ion: 75 Resp: 12551

Ion Ratio Lower Upper

75 100

155 81.6 61.8 92.8

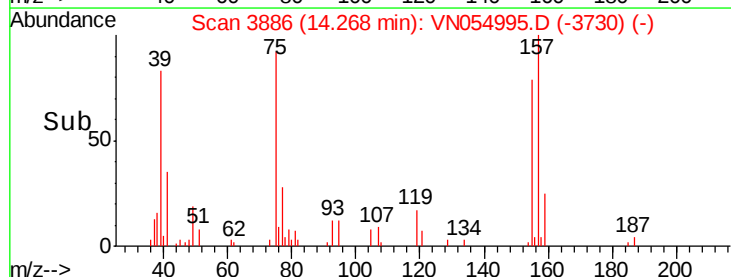
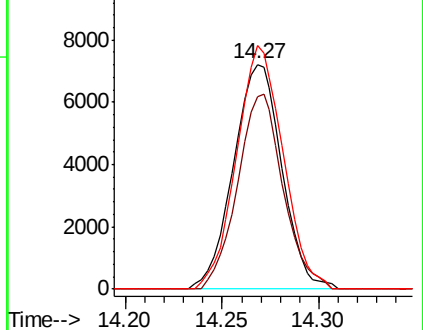
157 104.2 82.7 124.1

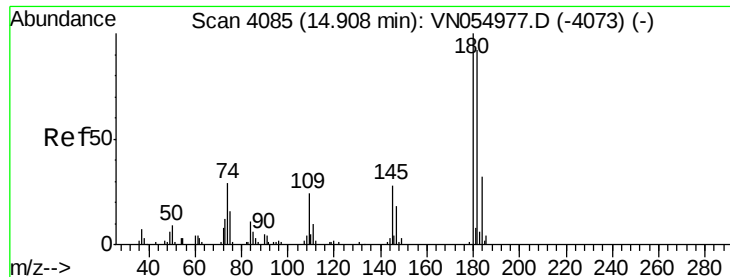


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

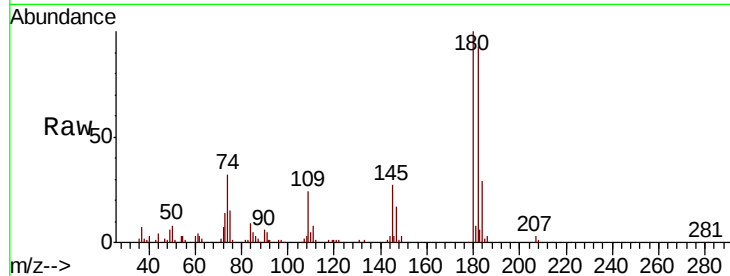




#89
 1,2,4-Trichlorobenzene
 Concen: 17.115 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	180	Resp	59399
Ion Ratio	100	Lower	Upper
182	94.5	73.2	109.8
145	27.7	23.2	34.8

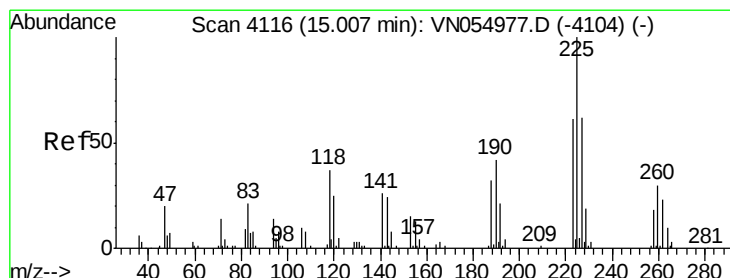
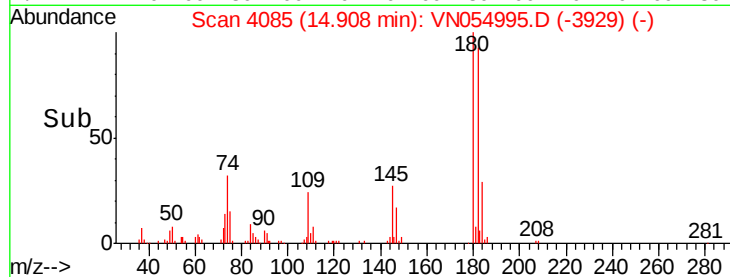
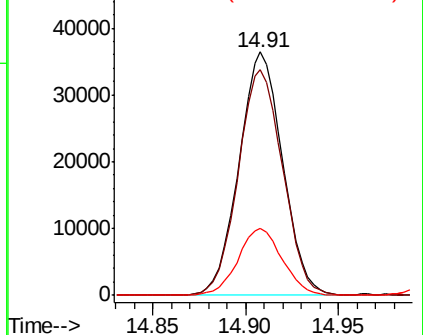


Abundance

Ion 180.00 (179.70 to 180.70): V

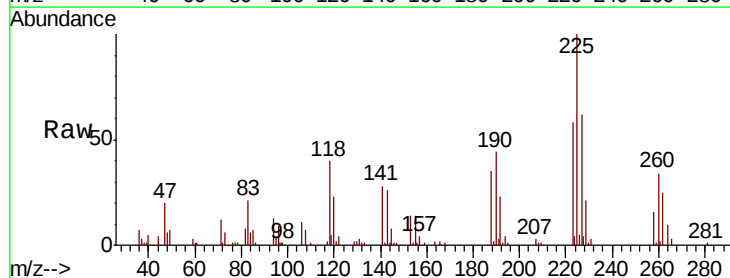
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 19.106 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	225	Resp	48345
Ion Ratio	100	Lower	Upper
223	62.0	0.0	126.0
227	64.2	0.0	125.4

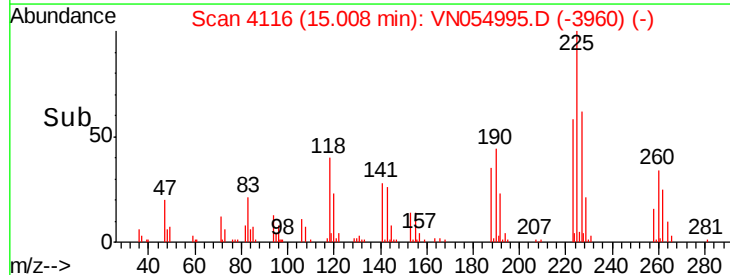
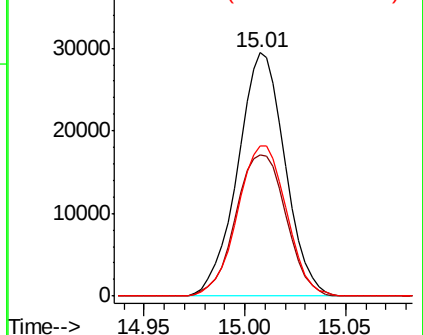


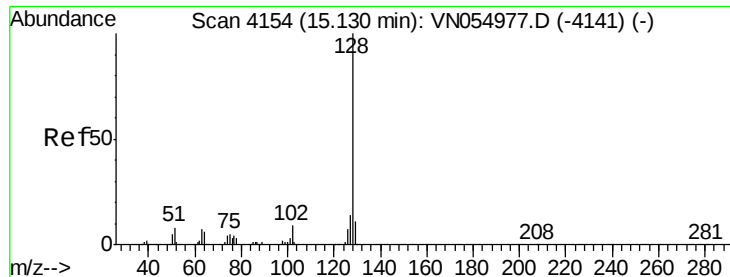
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 18.054 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

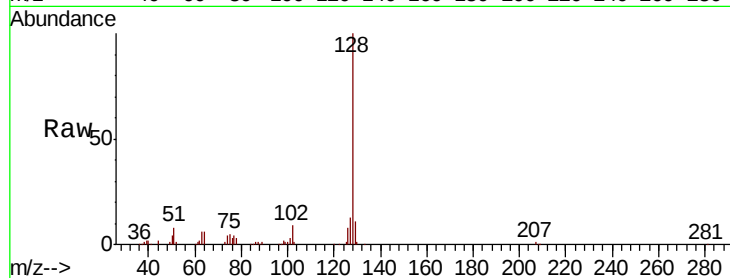
Tot Ion:128 Resp: 131201

Ion Ratio Lower Upper

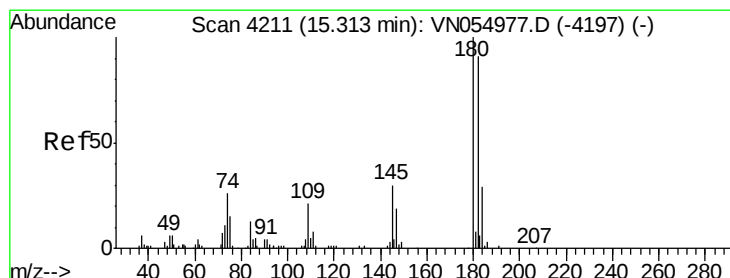
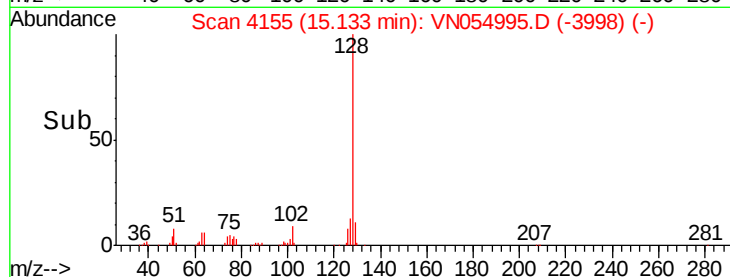
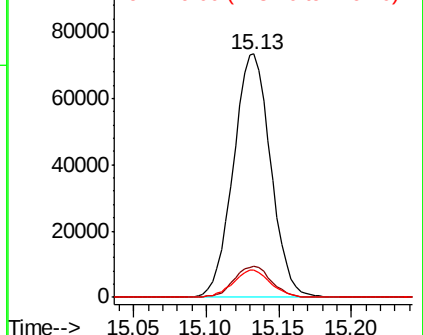
128 100

127 12.7 10.6 15.8

129 11.2 9.0 13.6



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



#92

1,2,3-Trichlorobenzene

Concen: 18.130 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

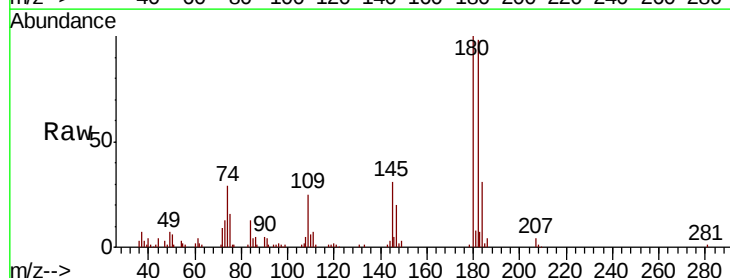
Tgt Ion:180 Resp: 62928

Ion Ratio Lower Upper

180 100

182 96.7 0.0 188.2

145 31.2 0.0 61.2



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

