

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064511.D
 Acq On : 9 Nov 2020 17:10
 Operator : JC/MD
 Sample : VN1109WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Quant Time: Nov 10 03:17:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 13:16:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	59920	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	325940	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	299712	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	164574	31.03	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.43%
60) 4-Bromofluorobenzene	12.38	95	152233	29.65	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.83%
63) Toluene-d8	10.06	98	418042	29.91	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	83435	20.791	ug/l 97
3) Chloromethane	2.04	50	96285	21.027	ug/l 99
4) Vinyl Chloride	2.17	62	99740	20.102	ug/l 99
5) Bromomethane	2.54	94	65128	20.056	ug/l 92
6) Chloroethane	2.68	64	64233	20.731	ug/l 99
7) Trichlorofluoromethane	2.99	101	151366	21.068	ug/l 91
8) Diethyl Ether	3.37	74	51900	20.227	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	71761	21.222	ug/l 51
10) 1,1-Dichloroethene	3.70	96	65915	20.377	ug/l 96
11) Methyl Iodide	3.91	142	78754	19.748	ug/l 96
12) Methyl Acetate	4.28	43	82730	20.977	ug/l 99
13) Acrolein	3.56	56	51416	128.918	ug/l 100
14) Acrylonitrile	4.94	53	175010	99.776	ug/l 69
15) Acetone	3.78	58	53933	93.170	ug/l 88
16) Carbon Disulfide	4.01	76	193818	19.744	ug/l 100
17) Allyl chloride	4.28	41	123964	20.397	ug/l 95
18) Methylene Chloride	4.50	84	79286	20.642	ug/l 91
19) trans-1,2-Dichloroethene	4.99	96	72189	19.691	ug/l 99
20) Diisopropyl ether	5.90	45	268654	20.301	ug/l 95
21) 1,1-Dichloroethane	5.79	63	150841	20.728	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	82938	19.961	ug/l 99
23) tert-Butyl Alcohol	4.75	59	59862	99.670	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	234165	20.467	ug/l # 70
25) Chloroform	7.33	83	155087	20.281	ug/l 96
26) Cyclohexane	7.61	56	109842	19.551	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	109047	19.279	ug/l 100
30) 2-Butanone	6.79	43	260864	93.166	ug/l # 80
31) 2,2-Dichloropropane	6.78	77	134005	19.945	ug/l 98
32) 1,1,1-Trichloroethane	7.53	97	137971	19.886	ug/l 99
33) Carbon Tetrachloride	7.73	117	122394	19.754	ug/l 100
34) Benzene	8.00	78	324243	19.798	ug/l 96
35) Methacrylonitrile	7.13	41	53229	20.321	ug/l 95
36) 1,2-Dichloroethane	8.09	62	136516	20.312	ug/l # 91
37) Trichloroethene	8.80	130	82256	19.864	ug/l 98
38) Methylcyclohexane	9.05	83	97133	18.986	ug/l 97
39) 1,2-Dichloropropane	9.08	63	87423	19.866	ug/l 100
40) Dibromomethane	9.17	93	61477	20.708	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	127980	19.890	ug/l	99
42) Vinyl Acetate	5.85	43	1107579	98.809	ug/l	99
43) Ethyl Acetate	6.88	43	102781	18.865	ug/l	97
44) Isopropyl Acetate	8.13	43	181945	19.346	ug/l	93
45) 1,4-Dioxane	9.17	88	24889	377.514	ug/l	97
46) Methyl methacrylate	9.17	41	94429	20.189	ug/l	99
47) n-amyl Acetate	12.05	43	146509	18.008	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	132885	19.489	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	141234	19.713	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	79784	19.602	ug/l	97
51) Ethyl methacrylate	10.40	69	109484	18.771	ug/l	96
52) 1,3-Dichloropropane	10.68	76	142139	20.328	ug/l	97
53) Dibromochloromethane	10.87	129	90268	19.365	ug/l	100
54) 1,2-Dibromoethane	10.98	107	84124	20.207	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	276115	90.462	ug/l	99
56) Bromoform	12.10	173	56406	18.440	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	550982	100.108	ug/l	99
59) 2-Hexanone	10.72	43	407040	98.189	ug/l	99
61) Tetrachloroethene	10.60	164	78849	21.047	ug/l	93
62) Toluene	10.13	91	352299	20.016	ug/l	98
64) Chlorobenzene	11.41	112	209939	20.066	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	83148	20.329	ug/l	97
66) Ethyl Benzene	11.48	91	373724	19.674	ug/l	100
67) m/p-Xylenes	11.59	106	274139	39.100	ug/l	99
68) o-Xylene	11.92	106	129508	19.519	ug/l	95
69) Styrene	11.94	104	220457	19.402	ug/l	99
70) Isopropylbenzene	12.22	105	344693	19.848	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	110440	19.858	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	156004	28.126	ug/l	60
73) Bromobenzene	12.50	156	85350	19.867	ug/l	99
74) n-propylbenzene	12.57	91	407300	19.939	ug/l	98
75) 2-Chlorotoluene	12.65	91	252882	19.689	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	290566	19.820	ug/l	98
77) t-1,4-Dichloro-2-butene	12.28	75	36898	18.246	ug/l	97
78) 4-Chlorotoluene	12.75	91	260784	19.324	ug/l	100
79) tert-butylbenzene	12.97	119	226716	19.706	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	291880	19.757	ug/l	98
81) sec-Butylbenzene	13.15	105	295110	19.350	ug/l	98
82) p-Isopropyltoluene	13.26	119	264933	19.445	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	149278	19.752	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	143899	19.144	ug/l	97
85) n-Butylbenzene	13.59	91	216198	18.303	ug/l	99
86) Hexachloroethane	13.85	117	51515	18.975	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	145762	19.802	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	23359	19.441	ug/l	99
89) 1,2,4-Trichlorobenzene	14.88	180	58574	17.526	ug/l	98
90) Hexachlorobutadiene	14.98	225	33156	19.918	ug/l	96
91) Naphthalene	15.10	128	187620	16.970	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	62728	18.546	ug/l	99

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QLast Update : Mon Nov 09 13:16:36 2020
Response via : Initial Calibration

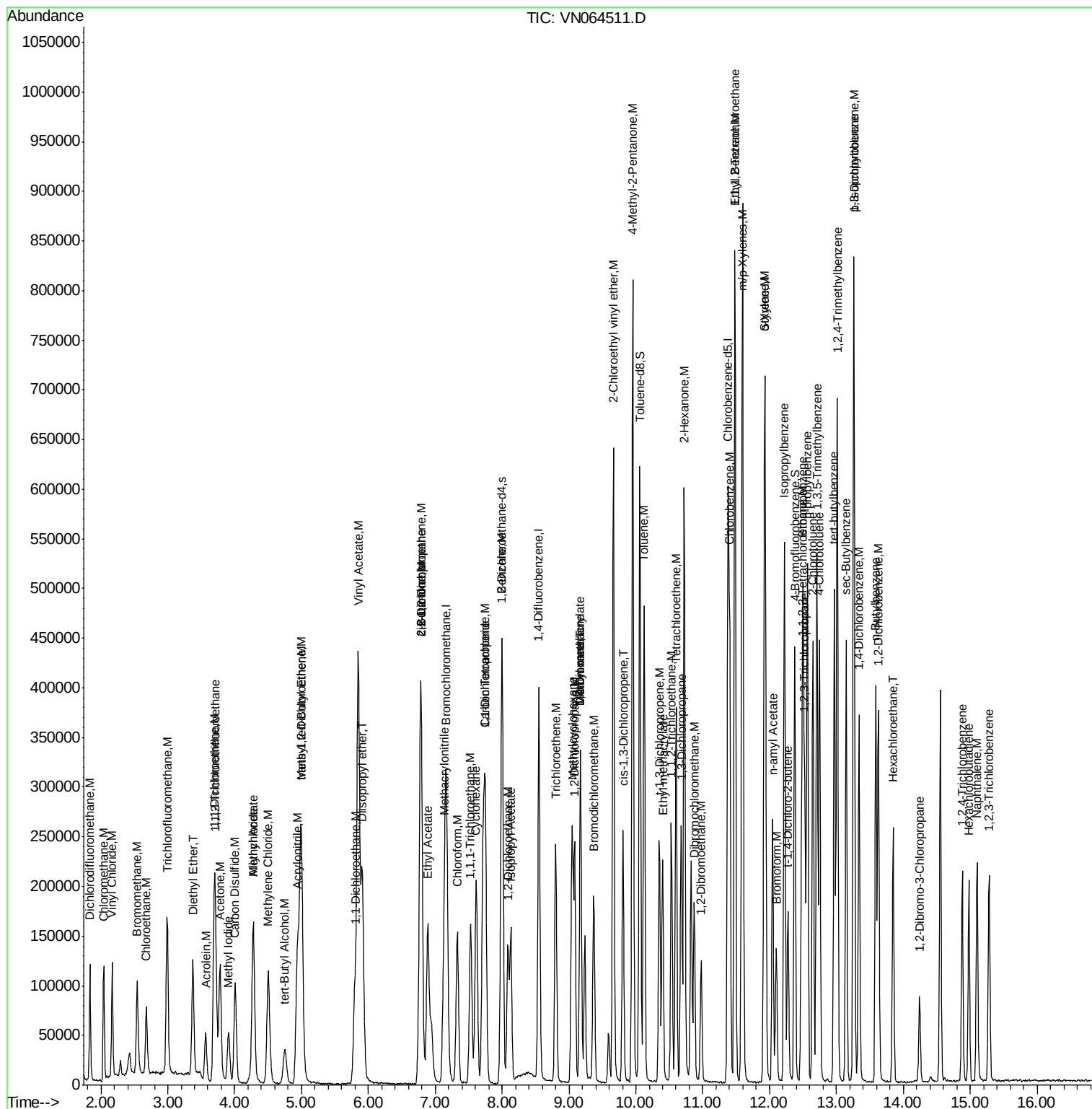
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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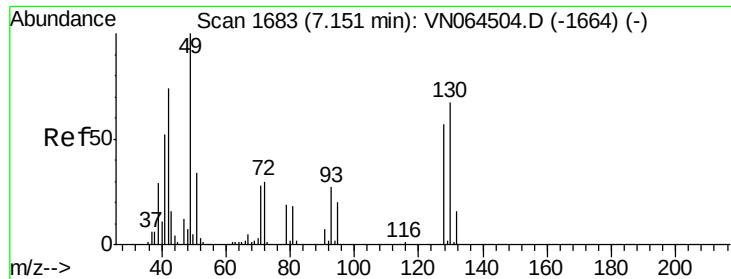
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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Quant Time: Nov 10 03:17:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

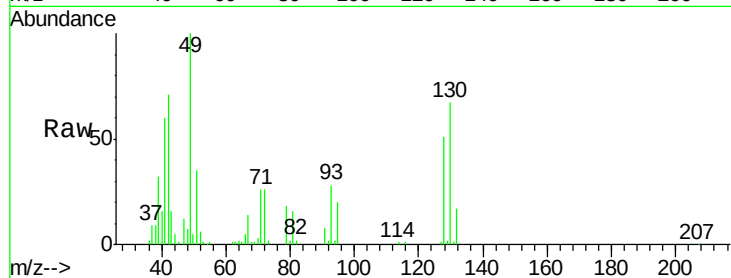
Tot Ion:128 Resp: 59920

Ion Ratio Lower Upper

128 100

49 191.4 0.0 475.5

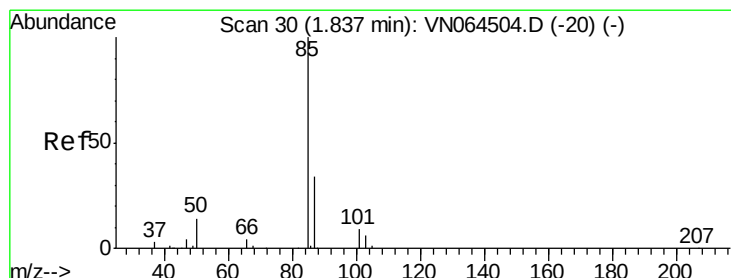
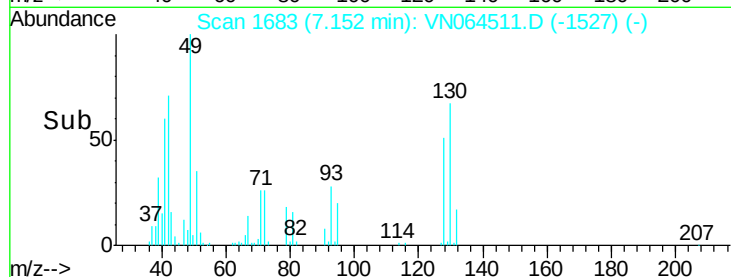
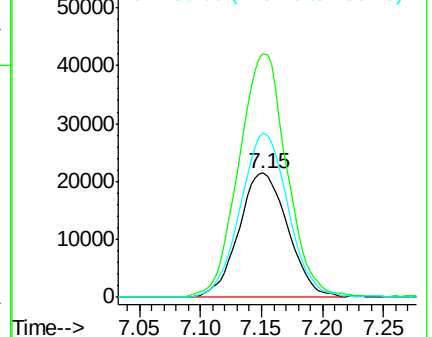
130 128.5 0.0 315.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.791 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064511.D

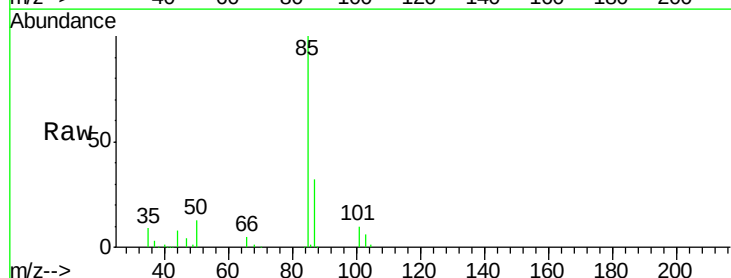
Acq: 9 Nov 2020 17:10

Tgt Ion: 85 Resp: 83435

Ion Ratio Lower Upper

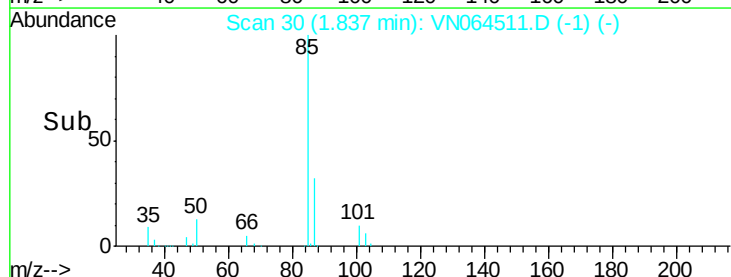
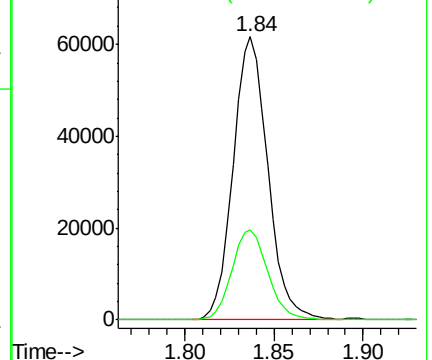
85 100

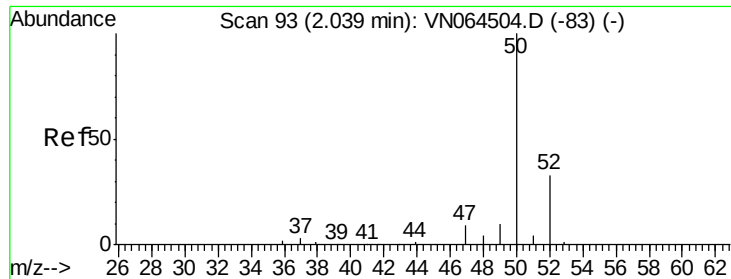
87 32.1 17.0 50.9



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

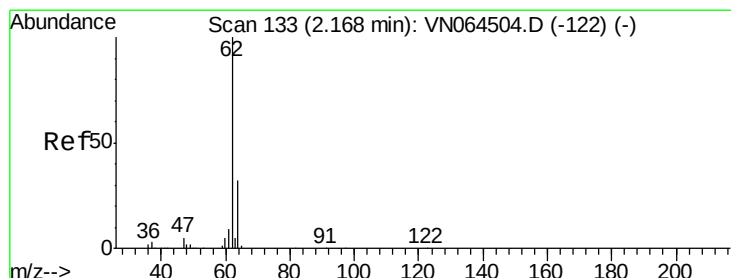
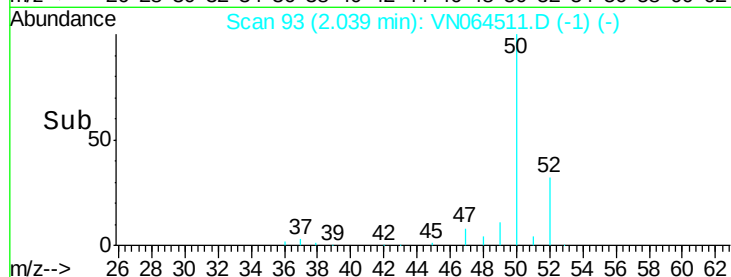
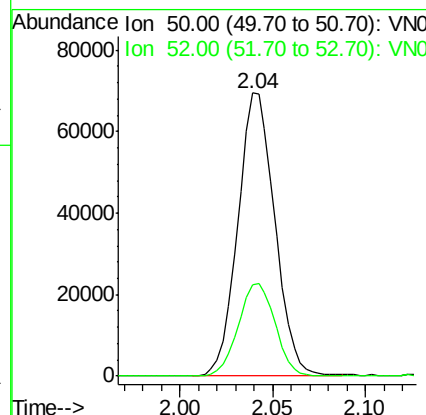
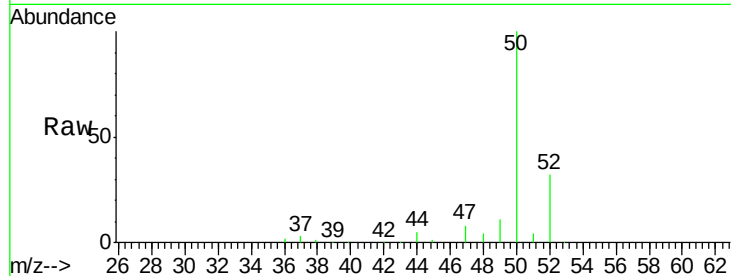




#3
 Chloromethane
 Concen: 21.027 ug/l
 RT: 2.04 min Scan# 93
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

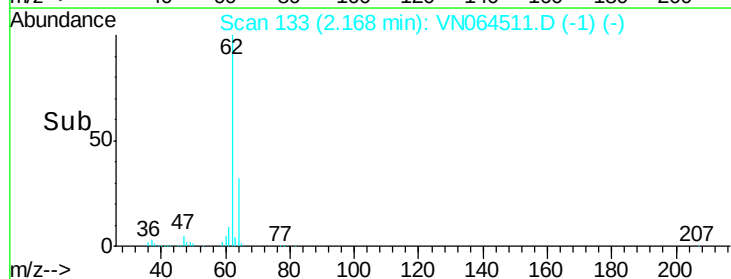
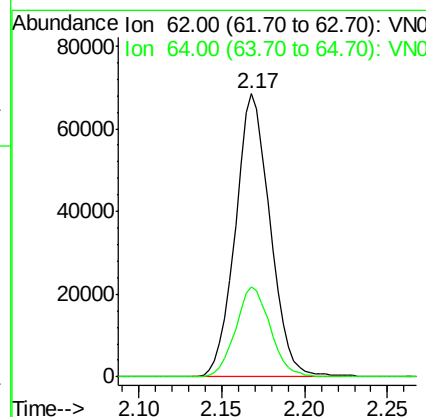
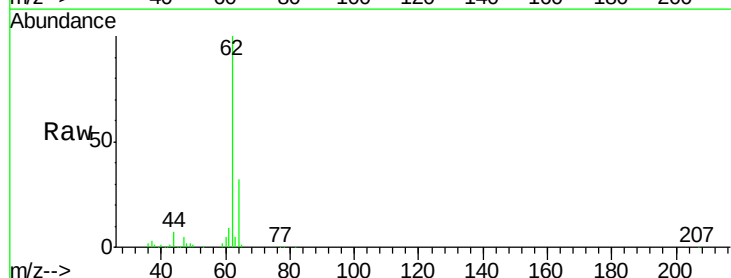
Instrument :
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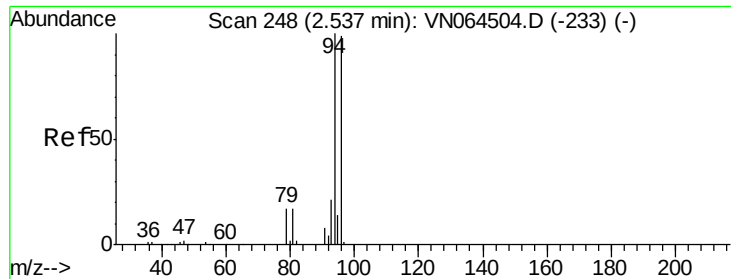
Tot Ion: 50 Resp: 96285
 Ion Ratio Lower Upper
 50 100
 52 32.1 26.0 39.0



#4
 Vinyl Chloride
 Concen: 20.102 ug/l
 RT: 2.17 min Scan# 133
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 62 Resp: 99740
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.8 38.8

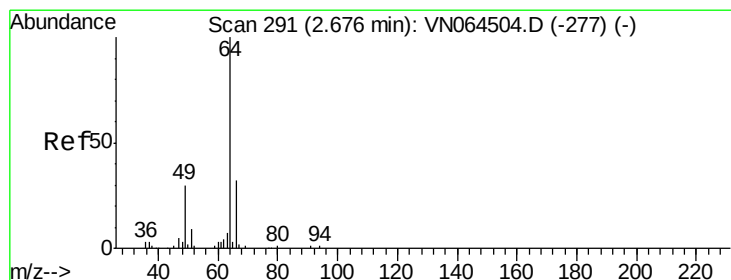
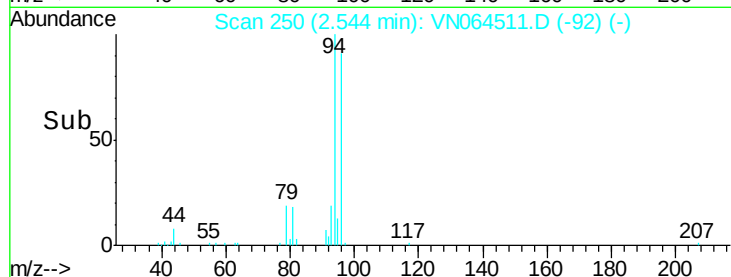
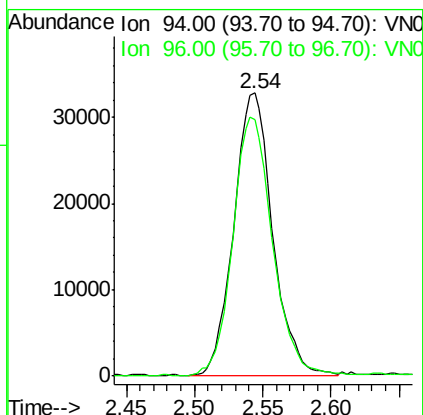
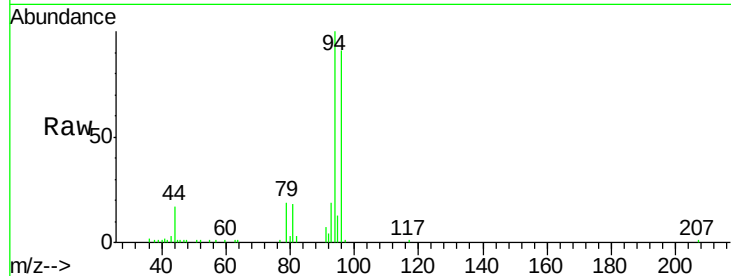




#5
Bromomethane
Concen: 20.056 ug/l
RT: 2.54 min Scan# 250
Delta R.T. 0.01 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

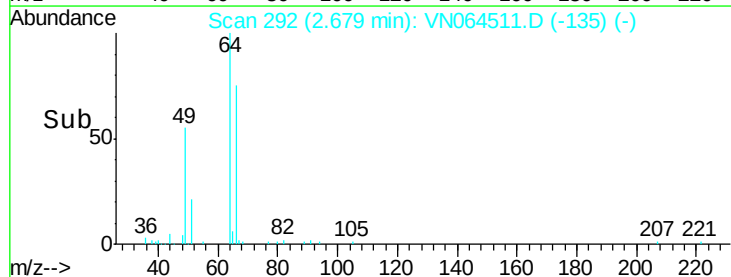
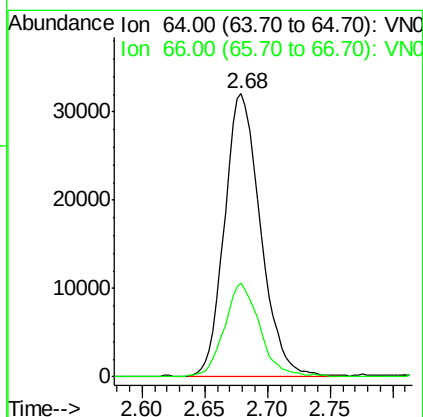
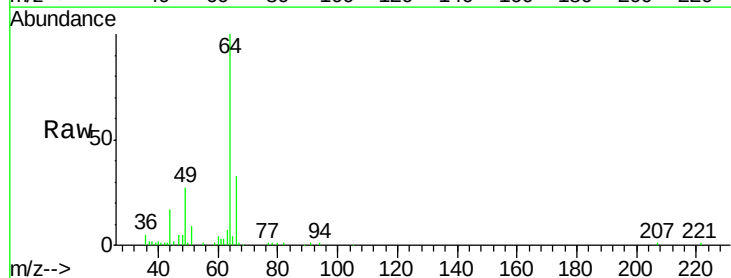
Instrument :
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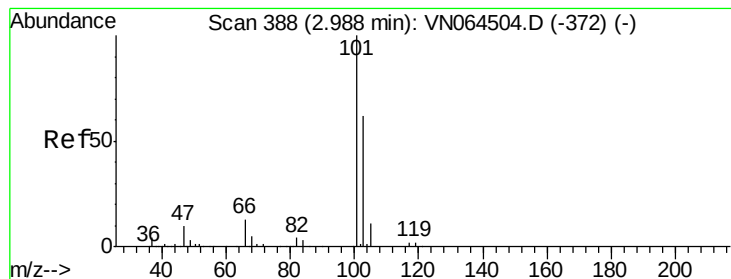
Tot Ion: 94 Resp: 65128
Ion Ratio Lower Upper
94 100
96 90.7 79.3 118.9



#6
Chloroethane
Concen: 20.731 ug/l
RT: 2.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion: 64 Resp: 64233
Ion Ratio Lower Upper
64 100
66 33.1 26.0 39.0



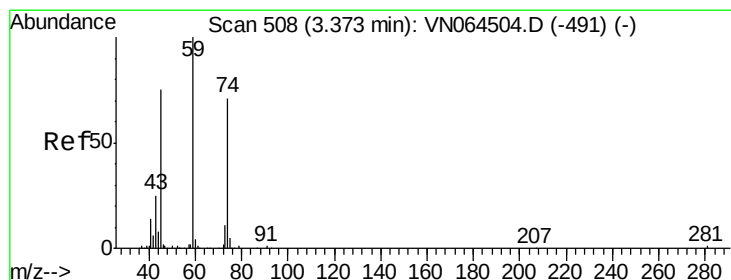
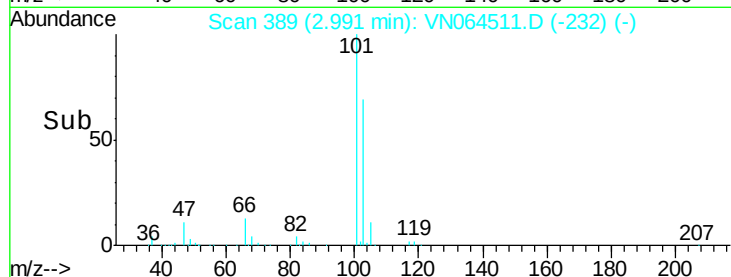
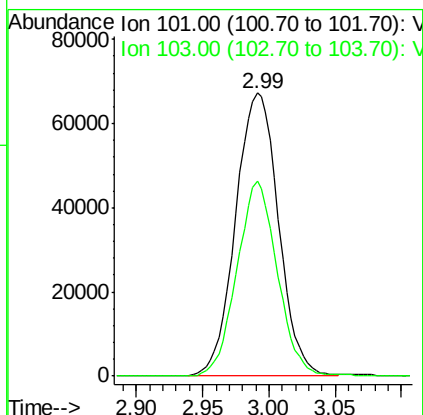
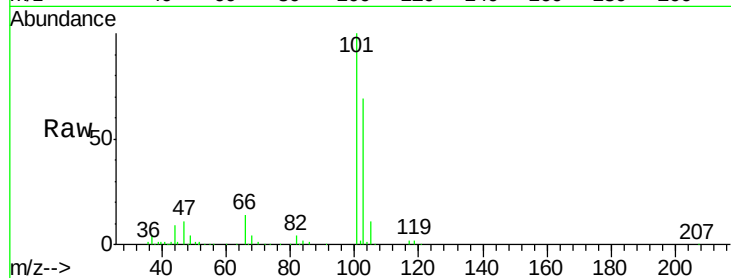


#7

Trichlorofluoromethane
 Concen: 21.068 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Instrument :
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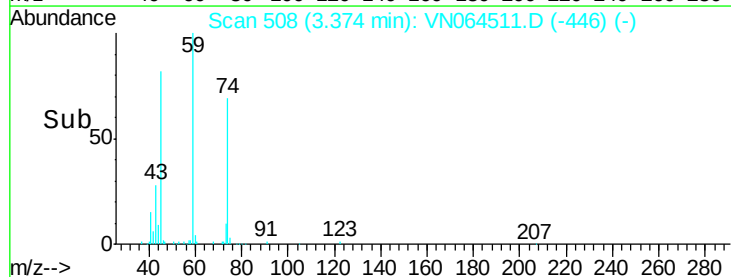
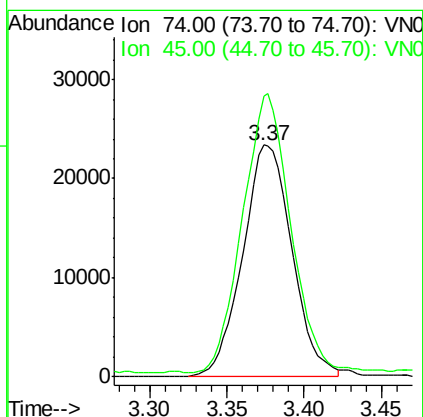
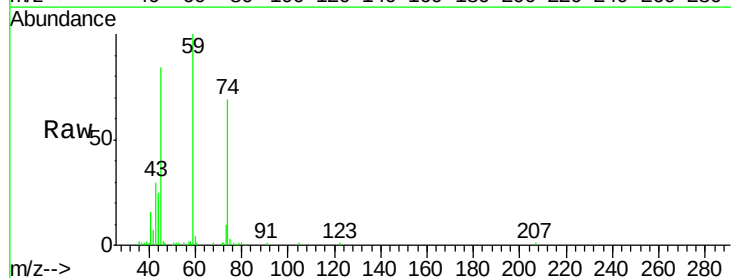
Tot Ion:101 Resp: 151366
 Ion Ratio Lower Upper
 101 100
 103 68.9 49.3 73.9

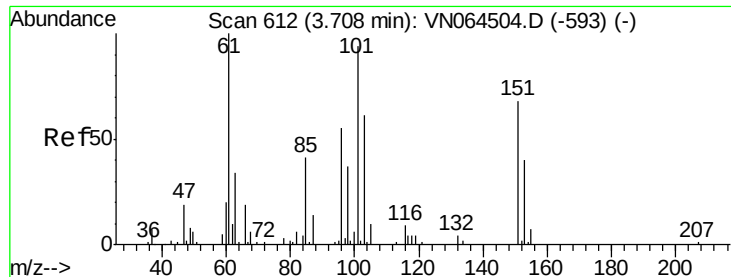


#8

Diethyl Ether
 Concen: 20.227 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 74 Resp: 51900
 Ion Ratio Lower Upper
 74 100
 45 116.5 22.1 198.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.222 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.01 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

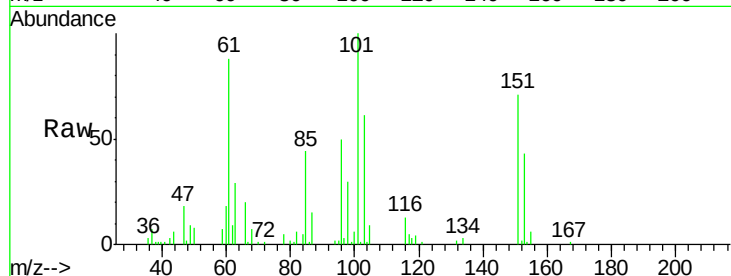
Tot Ion:101 Resp: 71761

Ion Ratio Lower Upper

101 100

85 46.9 0.0 49.0

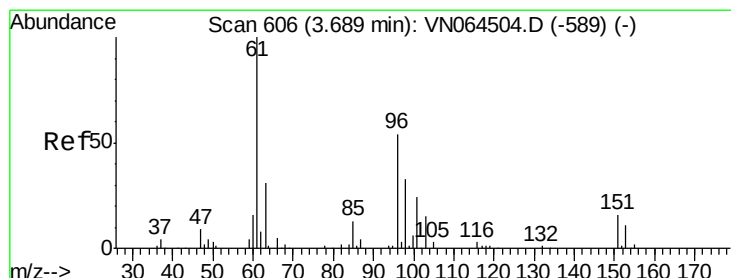
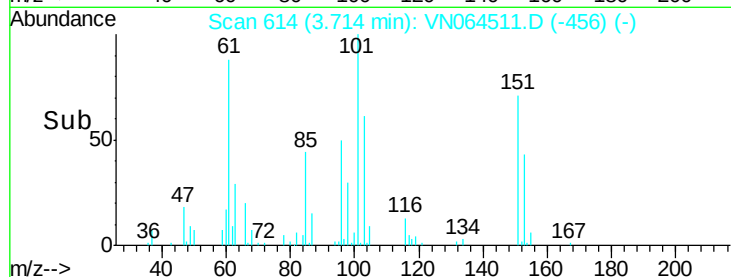
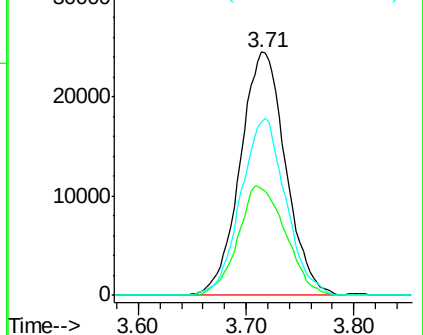
151 72.0 0.0 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.377 ug/l

RT: 3.70 min Scan# 608

Delta R.T. 0.01 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

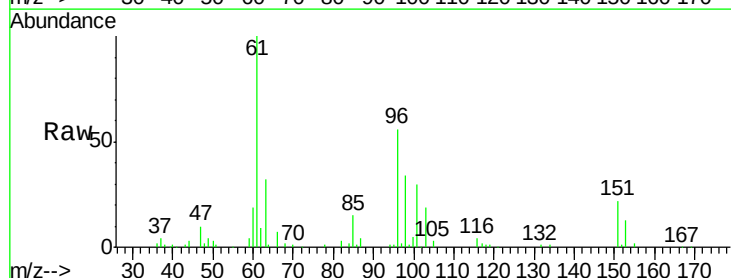
Tgt Ion: 96 Resp: 65915

Ion Ratio Lower Upper

96 100

61 179.6 149.2 223.8

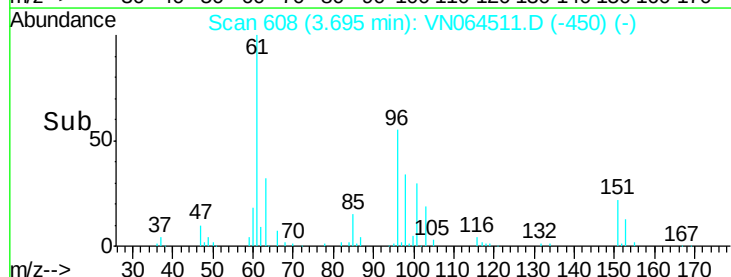
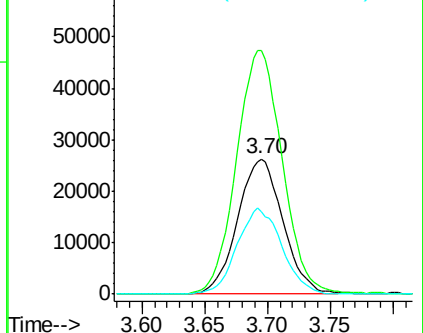
98 60.6 49.6 74.4

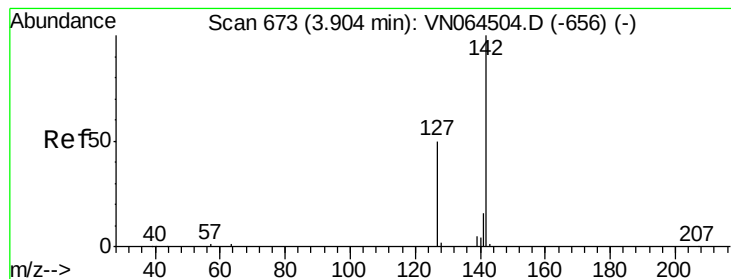


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#11

Methvl Iodide

Concen: 19.748 ug/l

RT: 3.91 min Scan# 675

Delta R.T. 0.01 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampled :

VN1109WBSD01

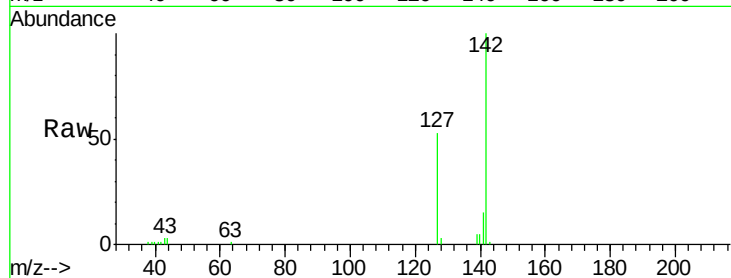
Tot Ion:142 Resp: 78754

Ion Ratio Lower Upper

142 100

127 52.7 24.7 74.1

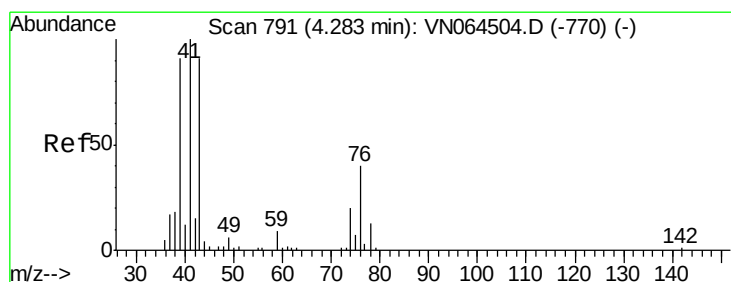
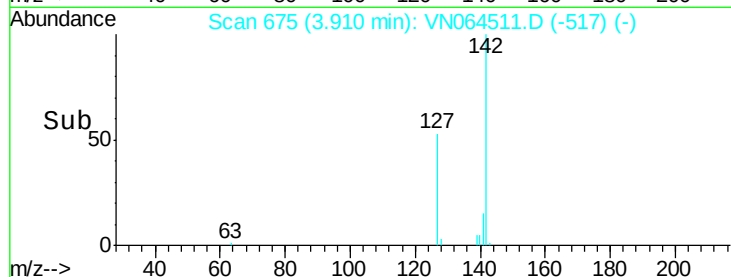
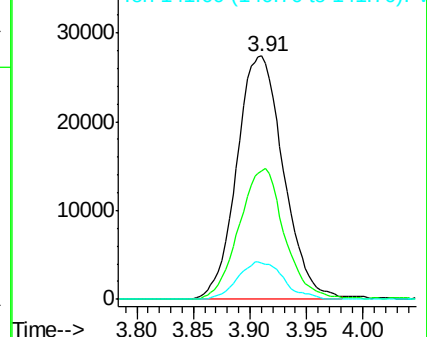
141 15.0 7.8 23.3



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: 20.977 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064511.D

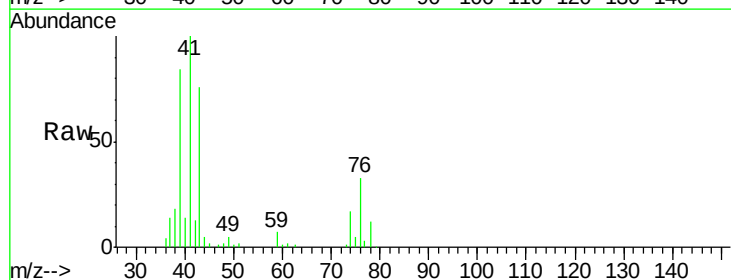
Acq: 9 Nov 2020 17:10

Tgt Ion: 43 Resp: 82730

Ion Ratio Lower Upper

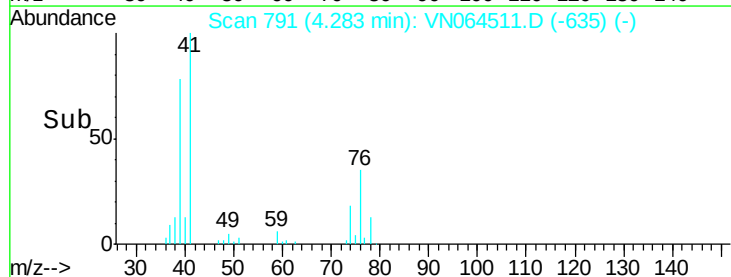
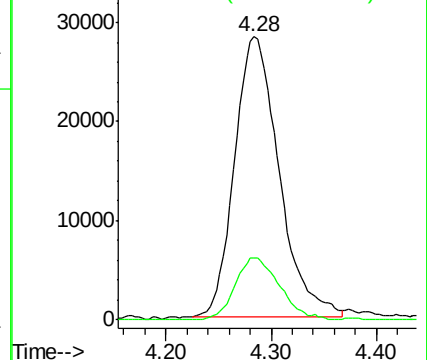
43 100

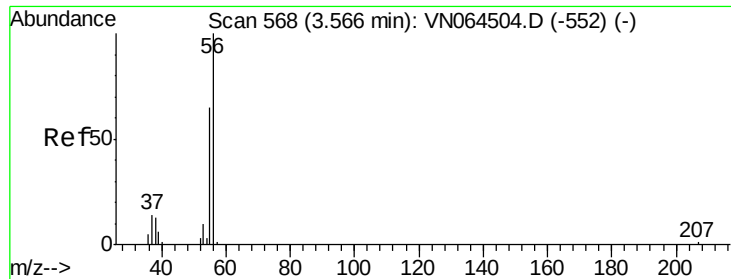
74 22.5 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 128.918 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

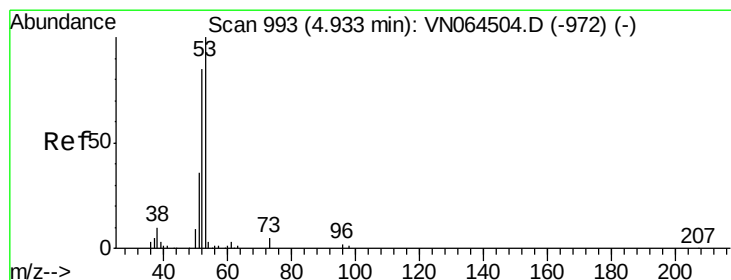
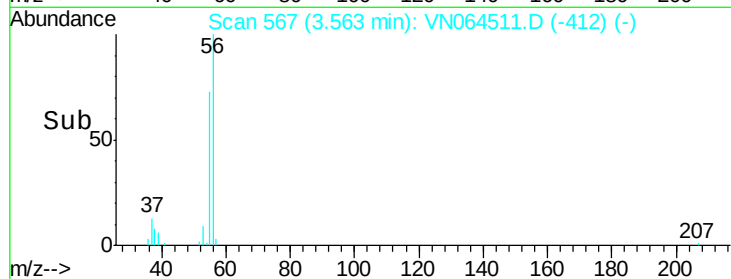
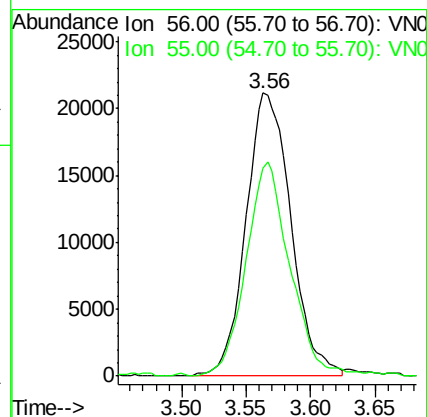
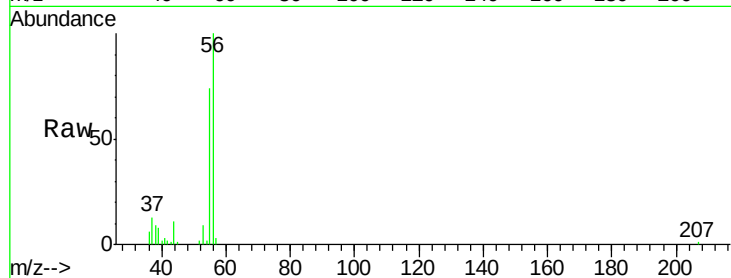
VN1109WBSD01

Tot Ion: 56 Resp: 51416

Ion Ratio Lower Upper

56 100

55 72.8 58.2 87.2



#14

Acrylonitrile

Concen: 99.776 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

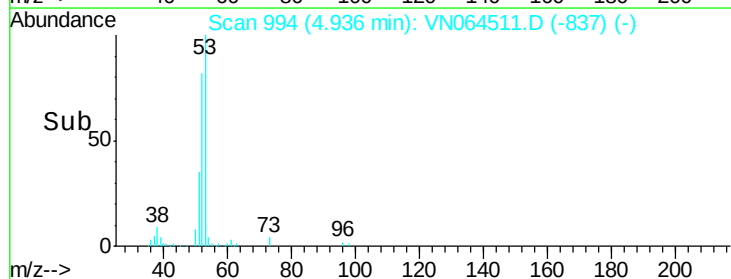
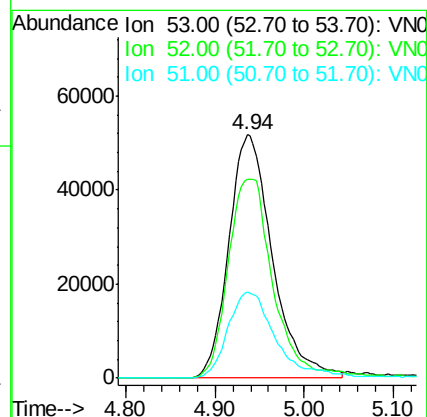
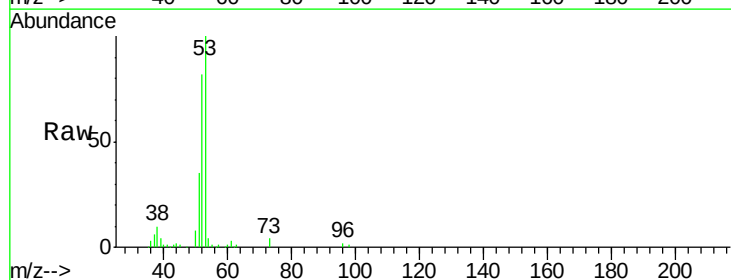
Tgt Ion: 53 Resp: 175010

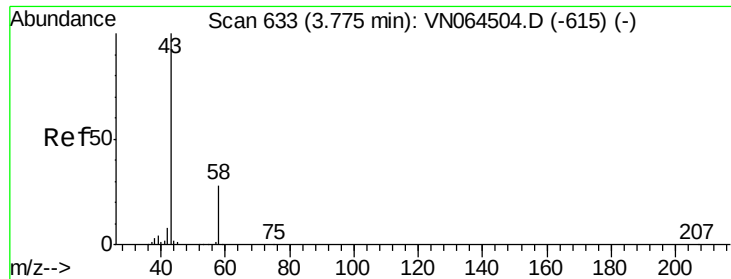
Ion Ratio Lower Upper

53 100

52 42.5 41.3 124.1

51 38.7 18.9 56.5





#15

Acetone

Concen: 93.170 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

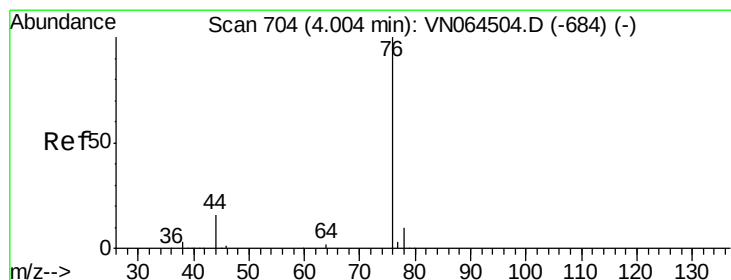
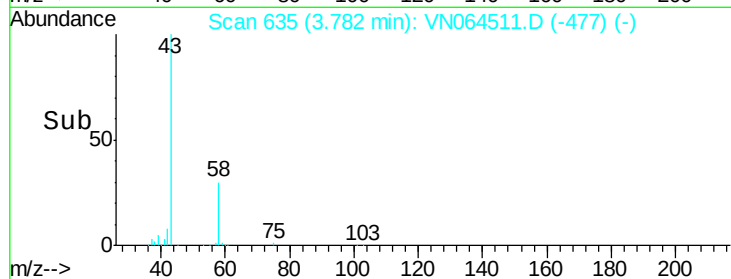
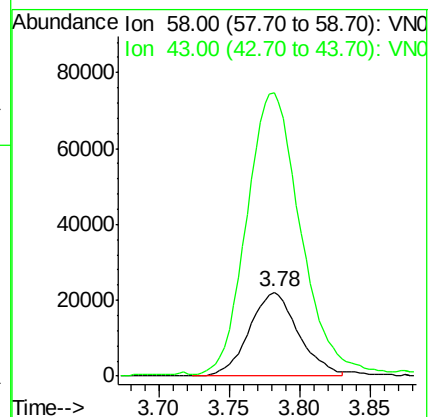
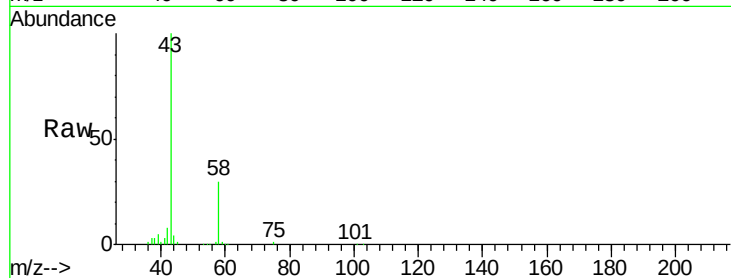
VN1109WBSD01

Tot Ion: 58 Resp: 53933

Ion Ratio Lower Upper

58 100

43 335.1 289.8 434.8



#16

Carbon Disulfide

Concen: 19.744 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064511.D

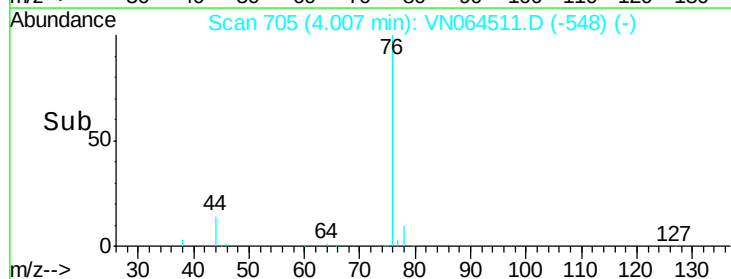
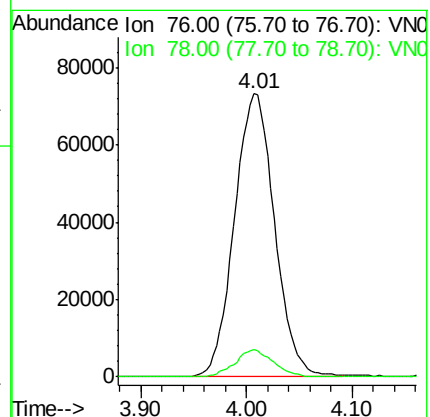
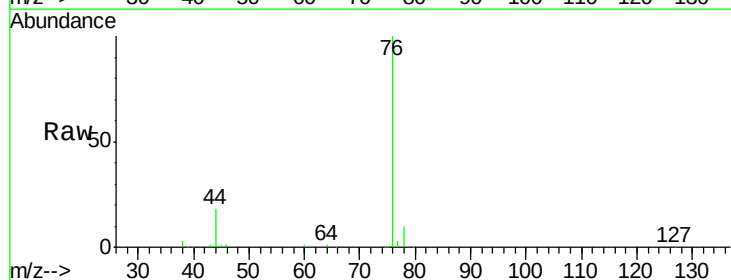
Acq: 9 Nov 2020 17:10

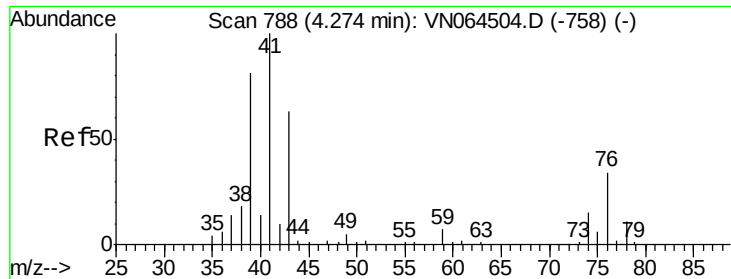
Tgt Ion: 76 Resp: 193818

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4

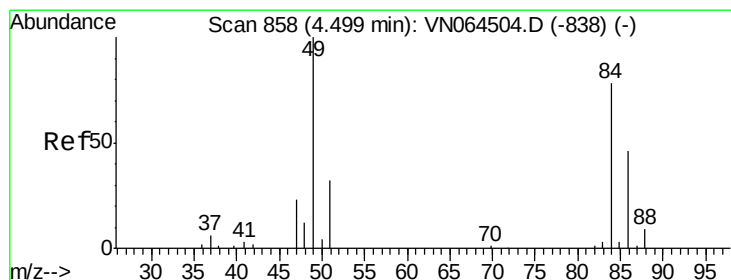
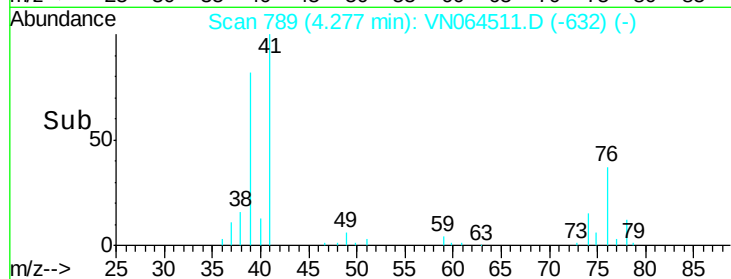
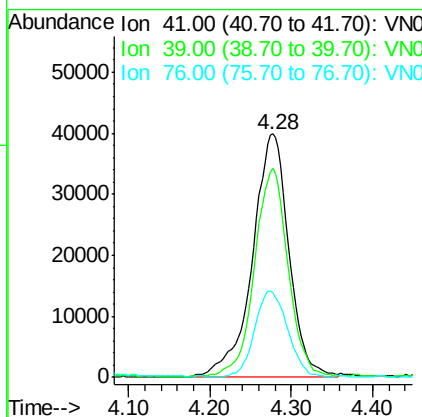
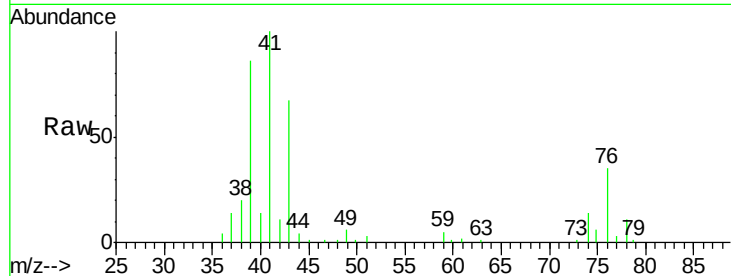




#17
Allvl chloride
Concen: 20.397 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

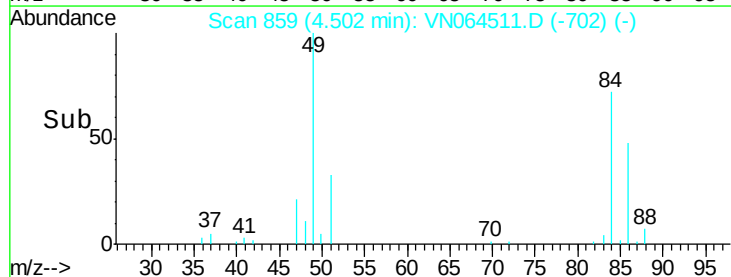
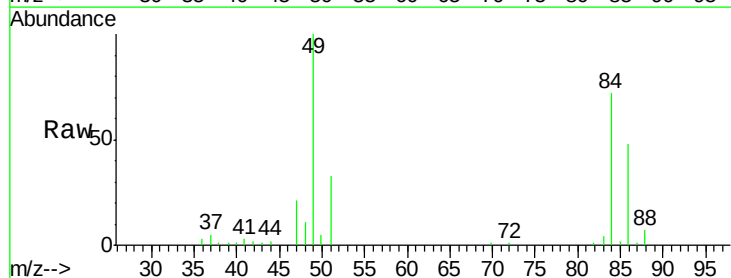
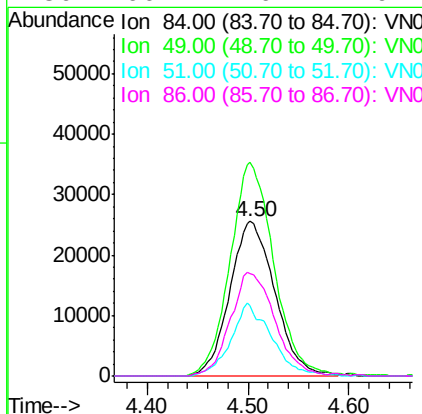
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

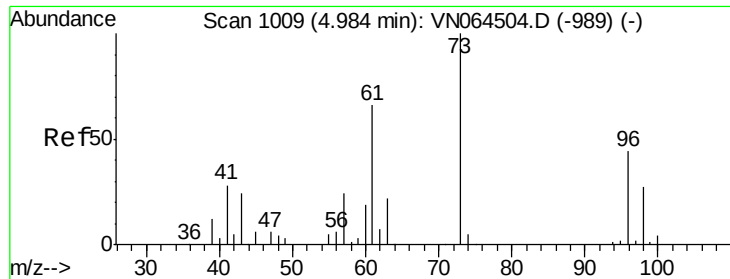
Tot Ion: 41 Resp: 123964
Ion Ratio Lower Upper
41 100
39 85.5 40.3 120.8
76 34.7 16.8 50.3



#18
Methylene Chloride
Concen: 20.642 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion: 84 Resp: 79286
Ion Ratio Lower Upper
84 100
49 137.2 102.1 153.1
51 45.2 32.6 48.8
86 66.4 46.7 70.1

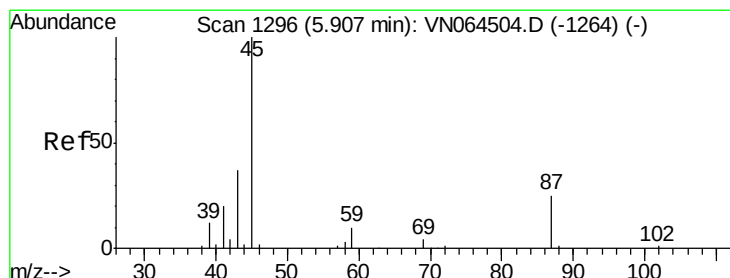
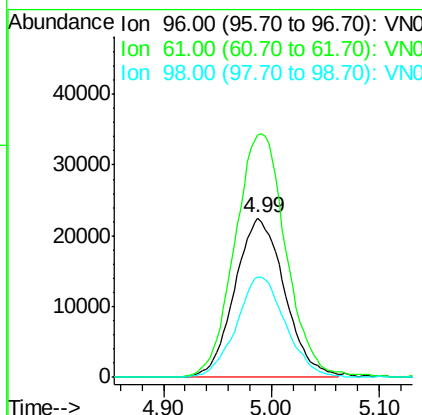
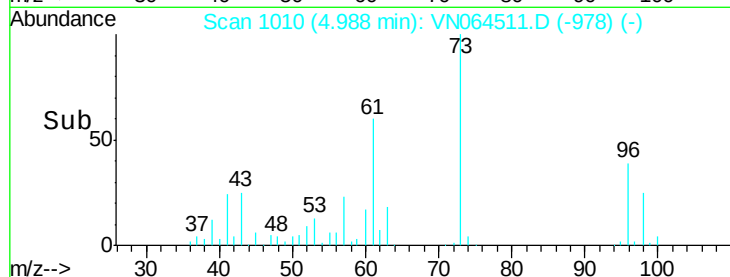
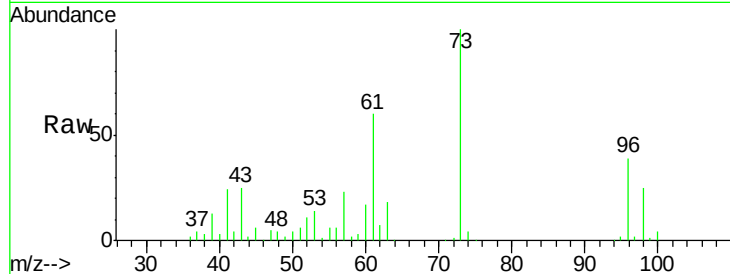




#19
trans-1,2-Dichloroethene
Concen: 19.691 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

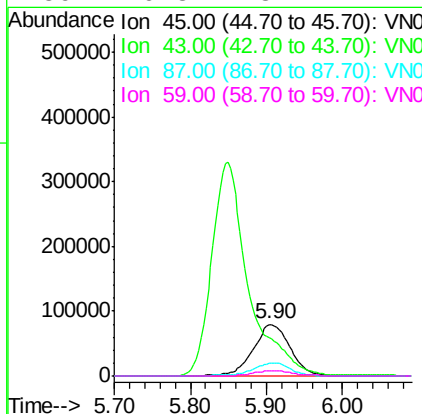
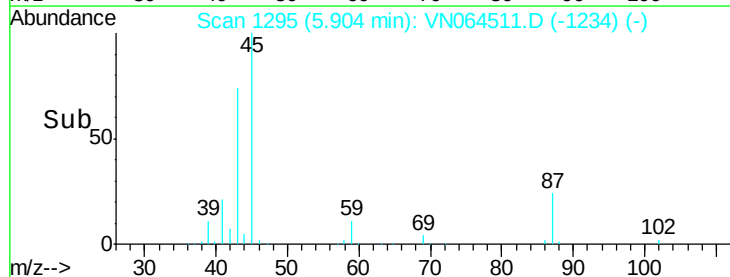
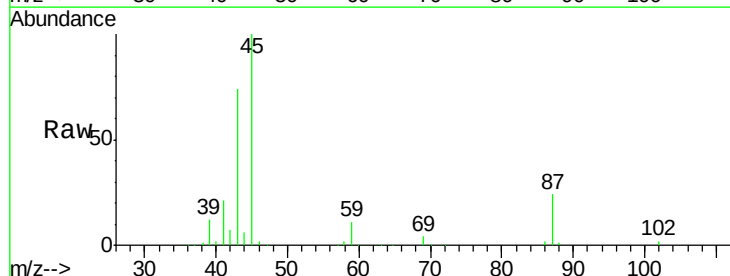
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

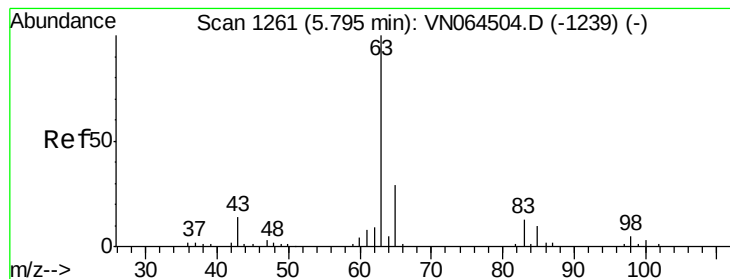
Tot Ion: 96 Resp: 72189
Ion Ratio Lower Upper
96 100
61 150.4 120.1 180.1
98 63.0 49.1 73.7



#20
Diisopropyl ether
Concen: 20.301 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion: 45 Resp: 268654
Ion Ratio Lower Upper
45 100
43 70.8 53.1 79.7
87 24.0 21.0 31.6
59 10.3 8.2 12.4





#21

1,1-Dichloroethane

Concen: 20.728 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

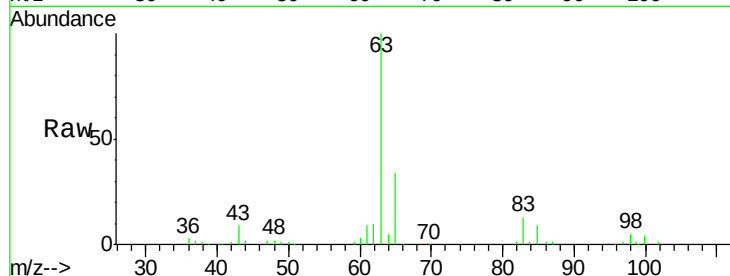
Tot Ion: 63 Resp: 150841

Ion Ratio Lower Upper

63 100

98 6.0 2.6 8.0

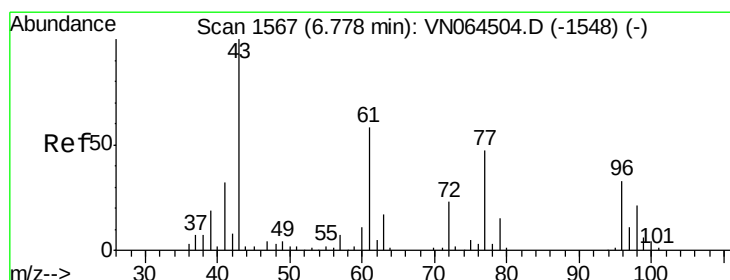
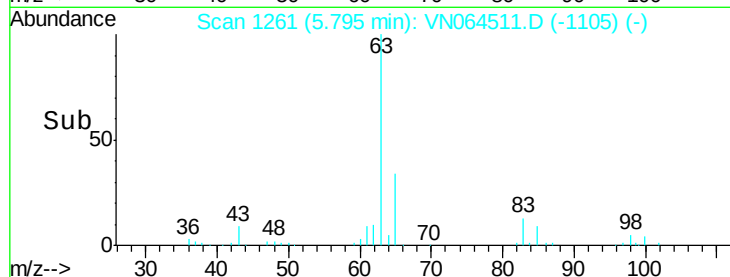
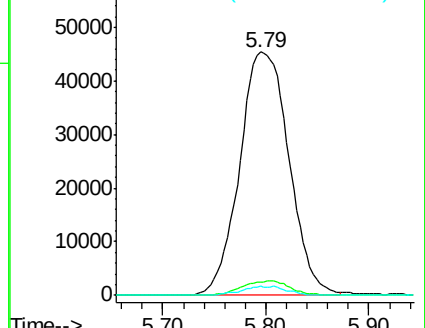
100 3.6 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VN064511.D (-1105) (-)

Ion 98.00 (97.70 to 98.70): VN064511.D (-1105) (-)

Ion 100.00 (99.70 to 100.70): VN064511.D (-1105) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.961 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

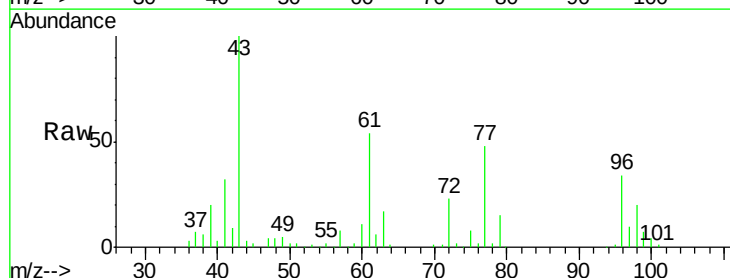
Tgt Ion: 96 Resp: 82938

Ion Ratio Lower Upper

96 100

61 167.9 136.1 204.1

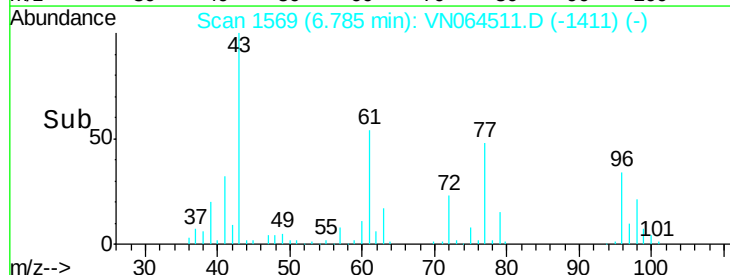
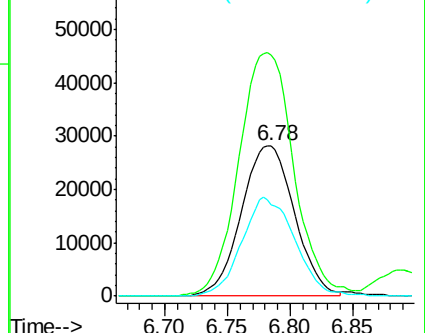
98 65.5 51.8 77.8

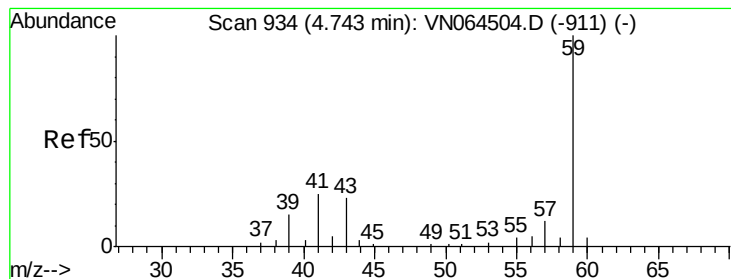


Abundance Ion 96.00 (95.70 to 96.70): VN064511.D (-1411) (-)

Ion 61.00 (60.70 to 61.70): VN064511.D (-1411) (-)

Ion 98.00 (97.70 to 98.70): VN064511.D (-1411) (-)



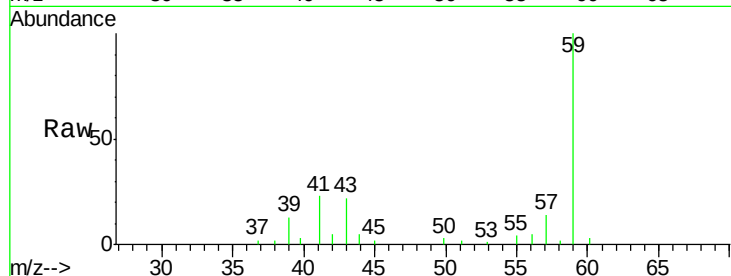


#23

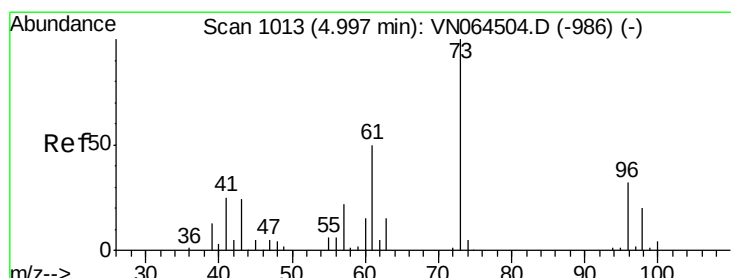
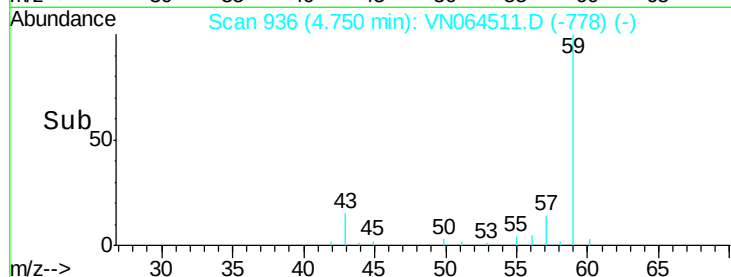
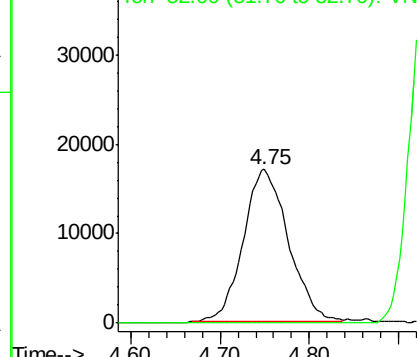
tert-Butyl Alcohol
 Concen: 99.670 ug/l
 RT: 4.75 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion: 59 Resp: 59862
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



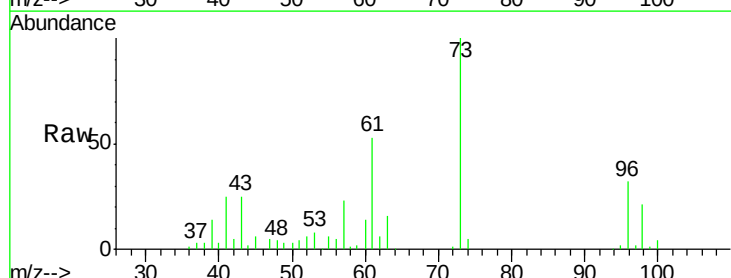
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



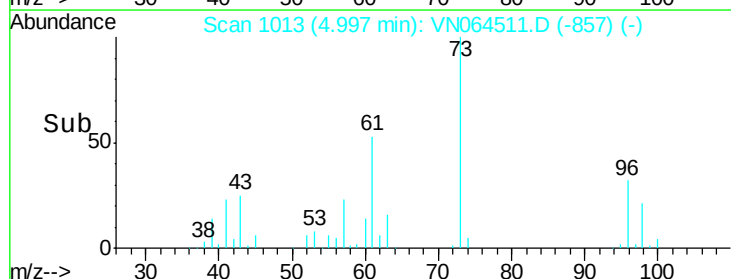
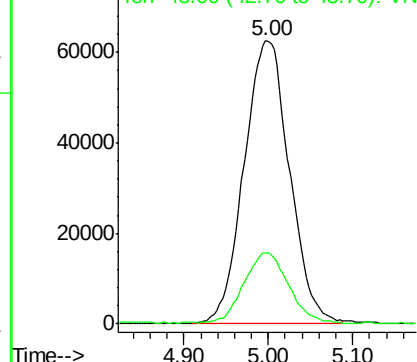
#24

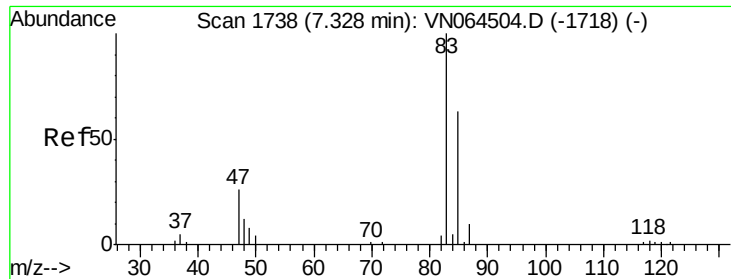
Methyl tert-Butyl Ether
 Concen: 20.467 ug/l
 RT: 5.00 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 73 Resp: 234165
 Ion Ratio Lower Upper
 73 100
 43 24.6 10.2 15.2#



Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0

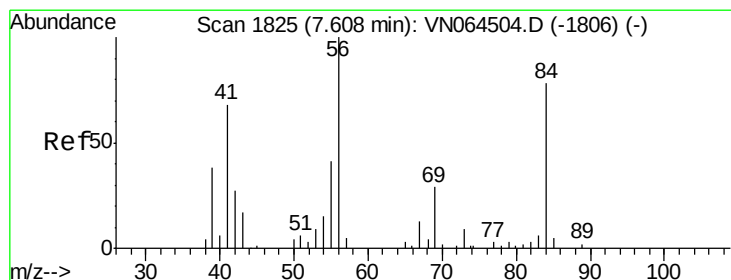
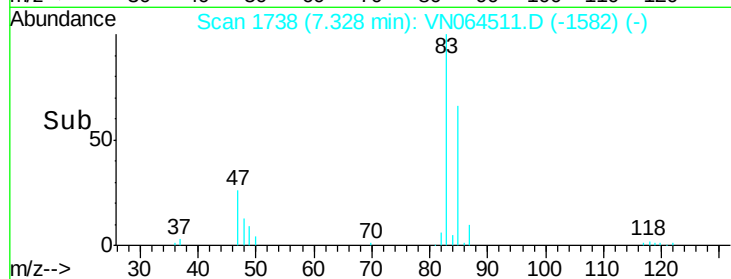
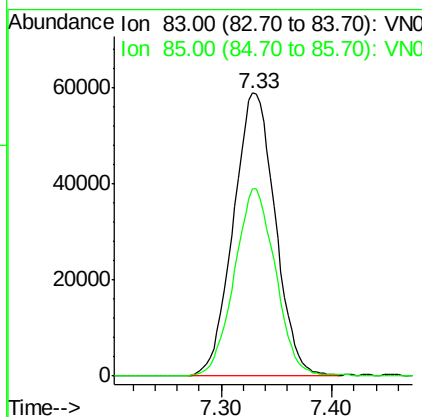
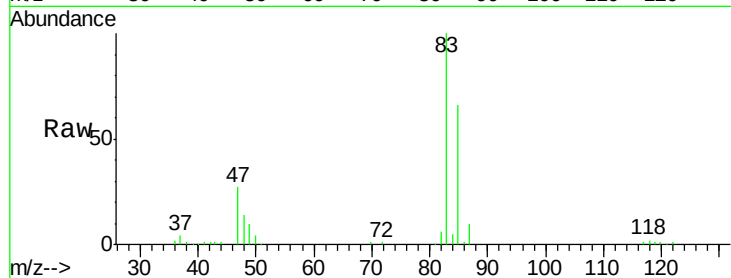




#25
Chloroform
Concen: 20.281 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

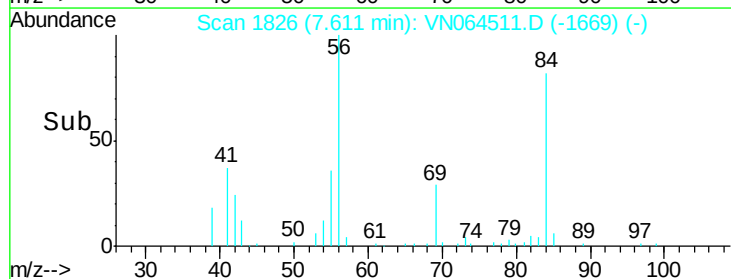
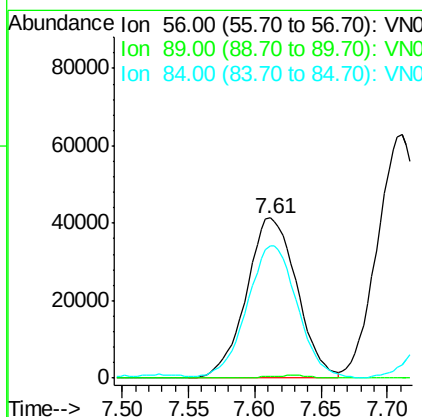
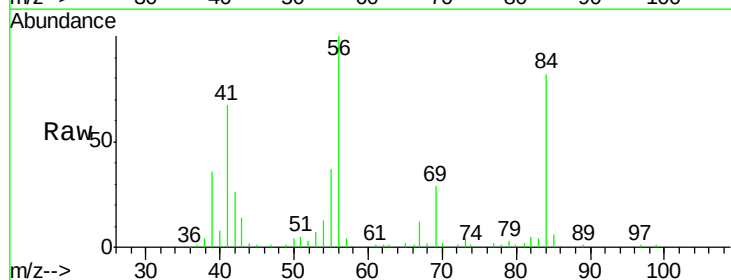
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

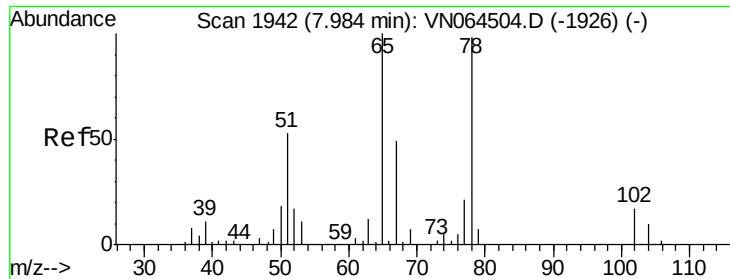
Tot Ion: 83 Resp: 155087
Ion Ratio Lower Upper
83 100
85 66.1 50.6 75.8



#26
Cyclohexane
Concen: 19.551 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion: 56 Resp: 109842
Ion Ratio Lower Upper
56 100
89 0.4 0.6 0.8#
84 82.5 66.1 99.1

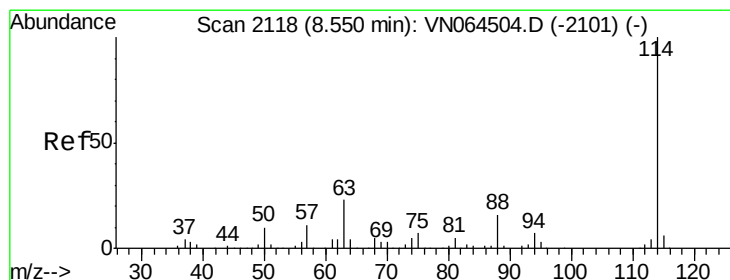
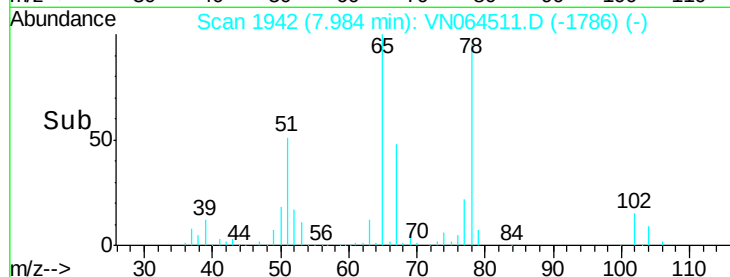
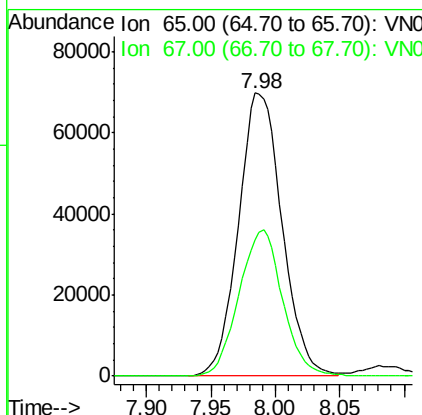
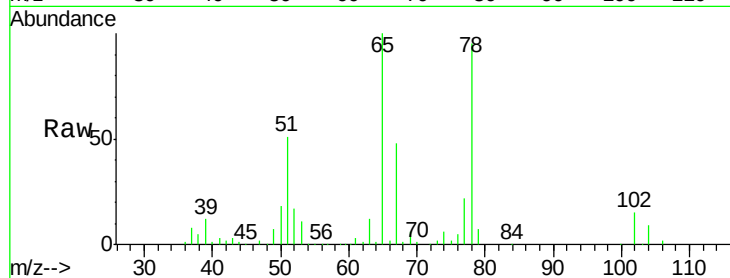




#27
 1,2-Dichloroethane-d4
 Concen: 31.026 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

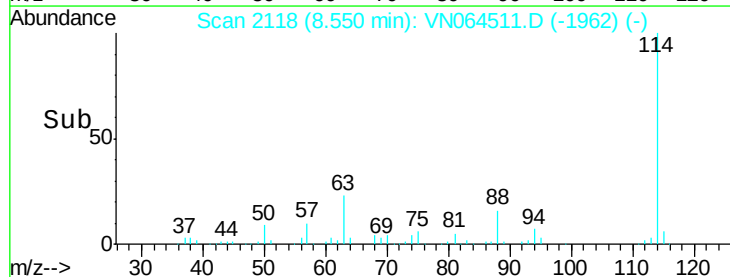
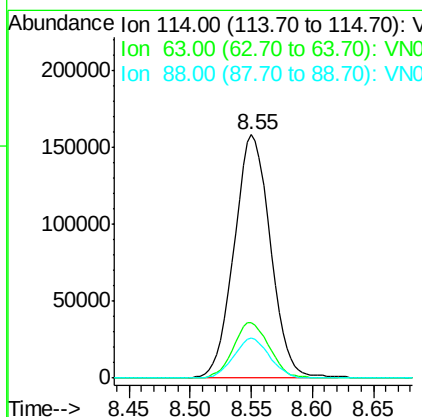
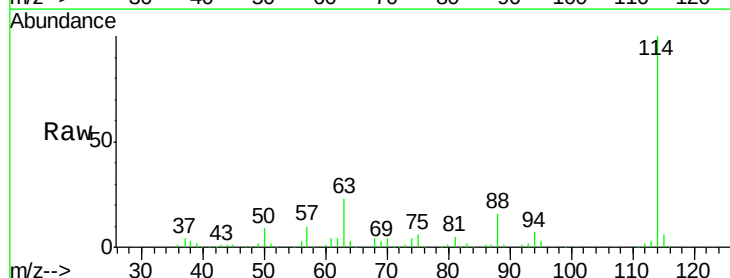
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

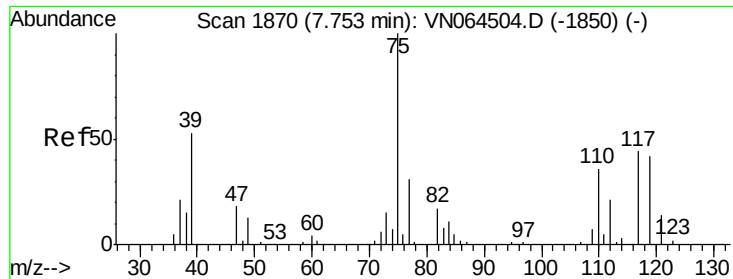
Tot Ion: 65 Resp: 164574
 Ion Ratio Lower Upper
 65 100
 67 51.6 41.1 61.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 114 Resp: 325940
 Ion Ratio Lower Upper
 114 100
 63 22.7 18.5 27.7
 88 16.3 13.0 19.6

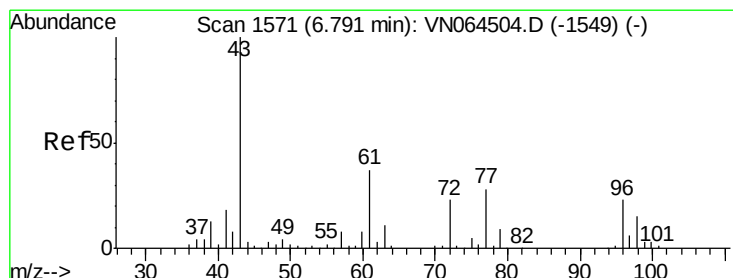
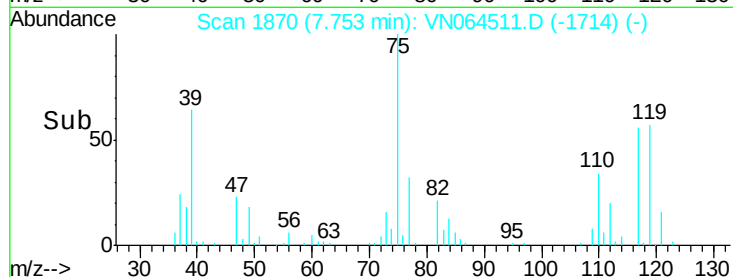
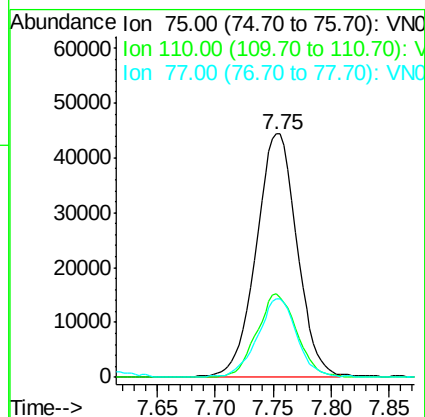
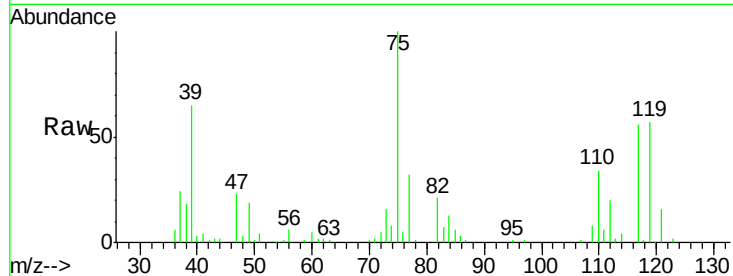




#29
 1,1-Dichloropropene
 Concen: 19.279 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

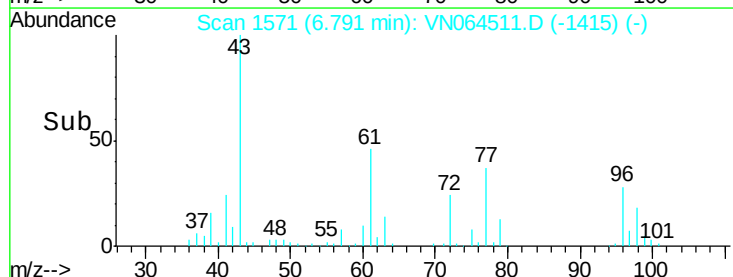
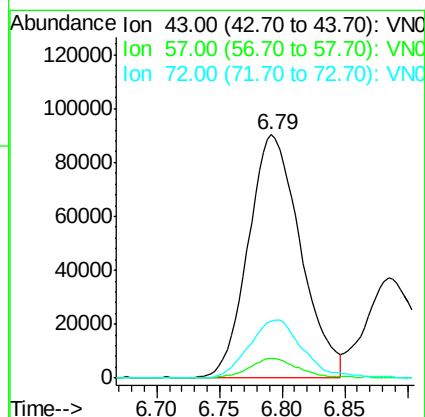
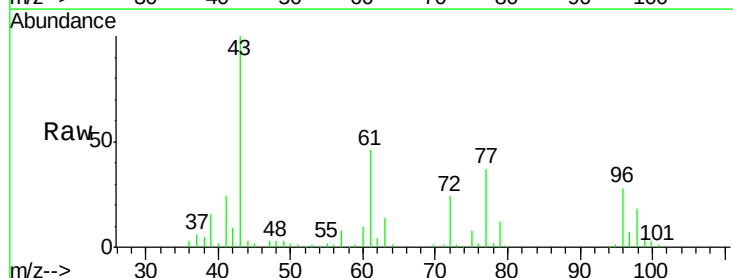
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

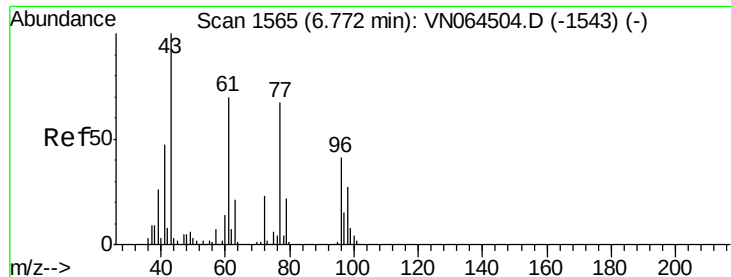
Tot Ion: 75 Resp: 109047
 Ion Ratio Lower Upper
 75 100
 110 33.4 0.0 66.4
 77 30.9 0.0 62.0



#30
 2-Butanone
 Concen: 93.166 ug/l
 RT: 6.79 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 43 Resp: 260864
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.2 9.4
 72 25.0 9.9 14.9#

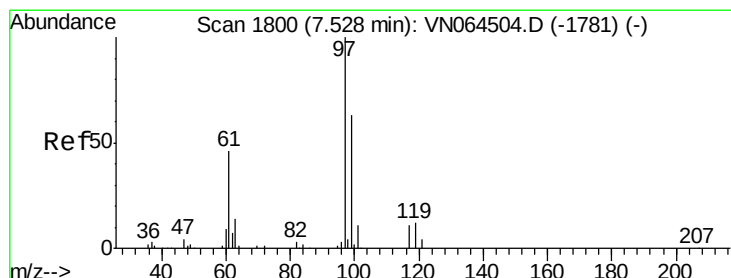
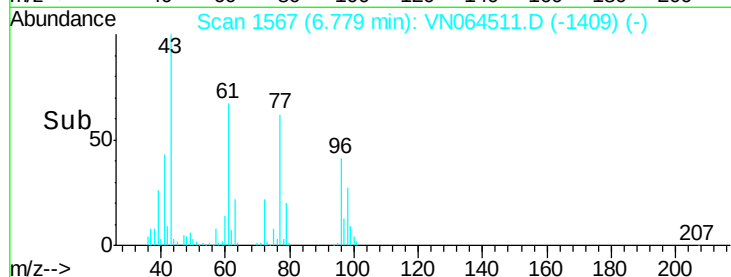
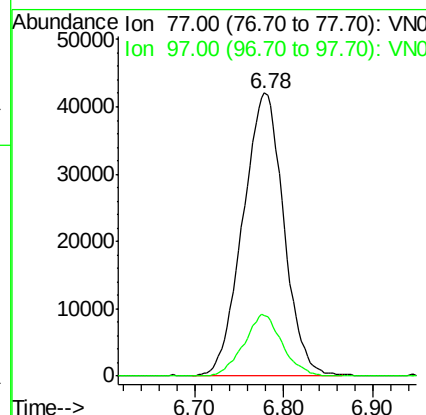
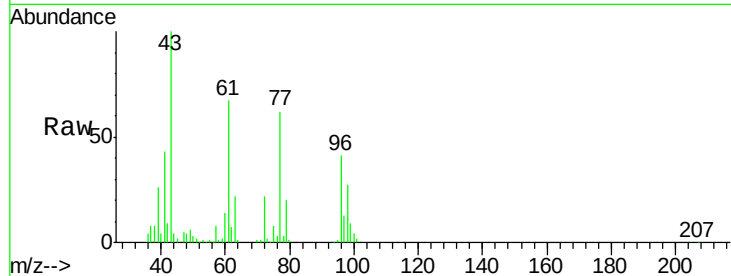




#31
 2,2-Dichloropropane
 Concen: 19.945 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

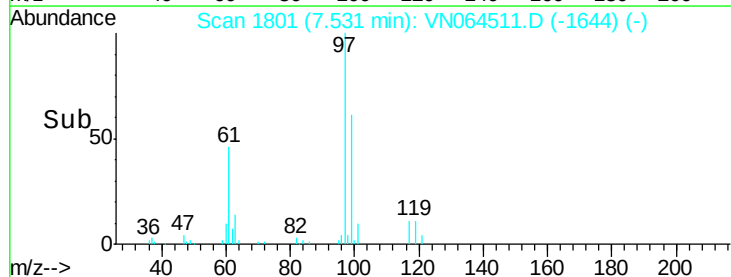
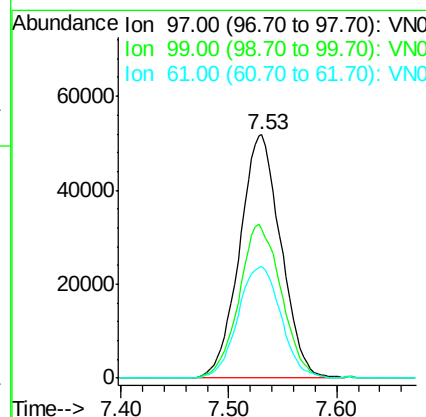
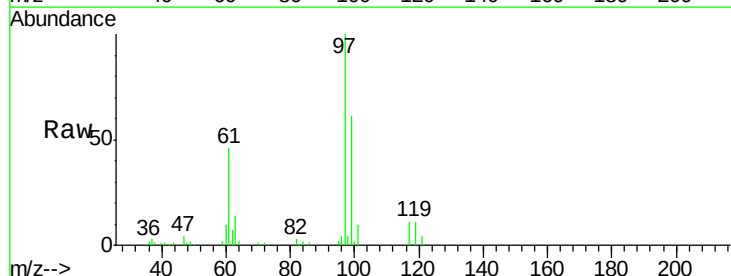
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

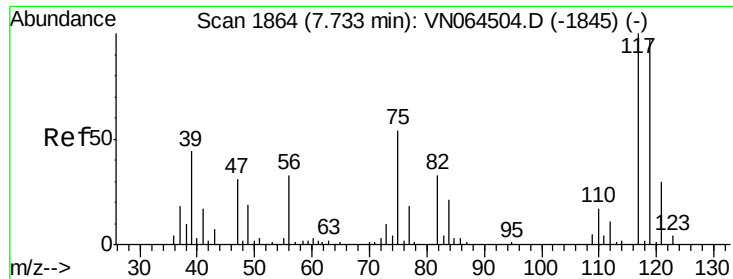
Tot Ion: 77 Resp: 134005
 Ion Ratio Lower Upper
 77 100
 97 20.4 16.9 25.3



#32
 1,1,1-Trichloroethane
 Concen: 19.886 ug/l
 RT: 7.53 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 97 Resp: 137971
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.8 77.8
 61 47.7 39.4 59.0

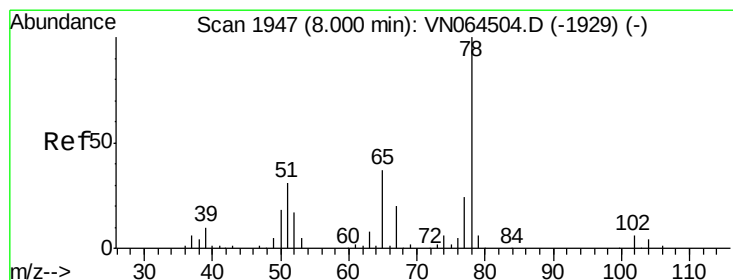
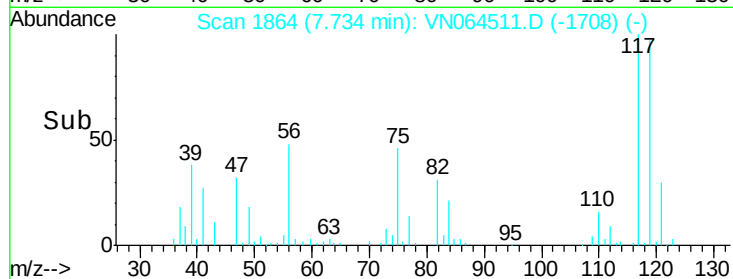
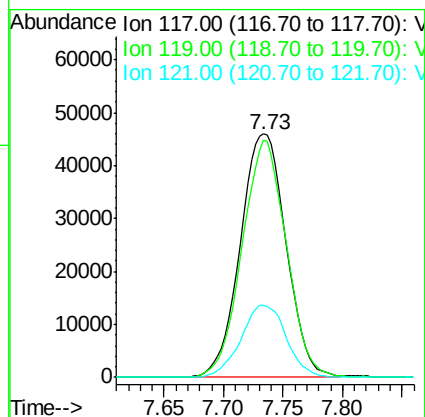
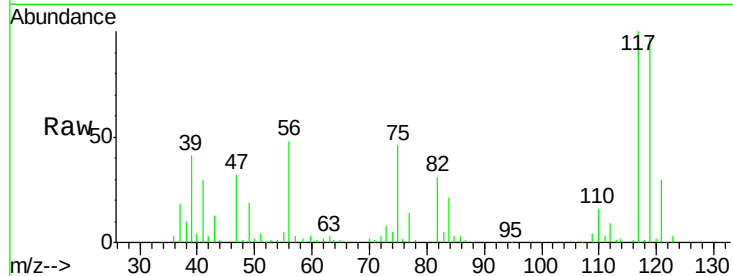




#33
Carbon Tetrachloride
Concen: 19.754 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

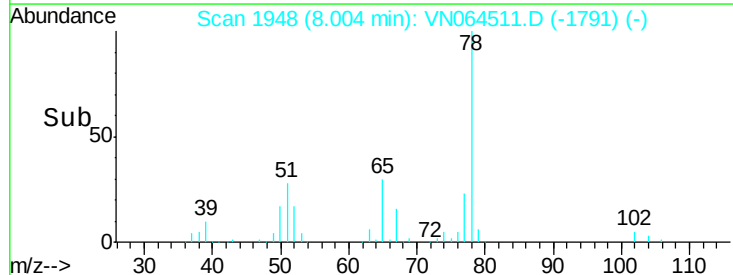
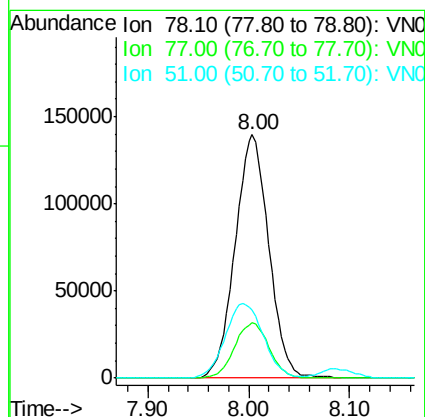
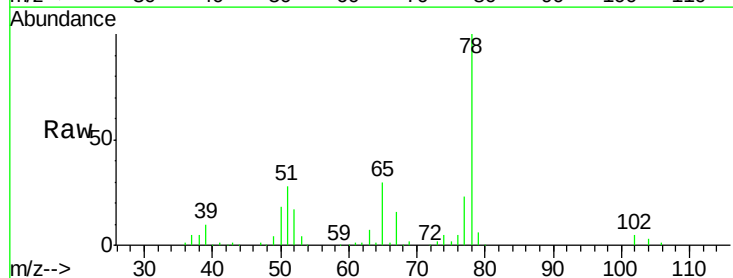
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

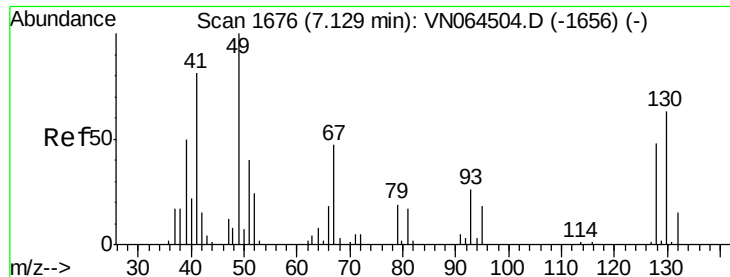
Tot Ion:117 Resp: 122394
Ion Ratio Lower Upper
117 100
119 97.5 77.9 116.9
121 29.6 24.0 36.0



#34
Benzene
Concen: 19.798 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion: 78 Resp: 324243
Ion Ratio Lower Upper
78 100
77 22.6 18.9 28.3
51 27.8 24.6 36.8

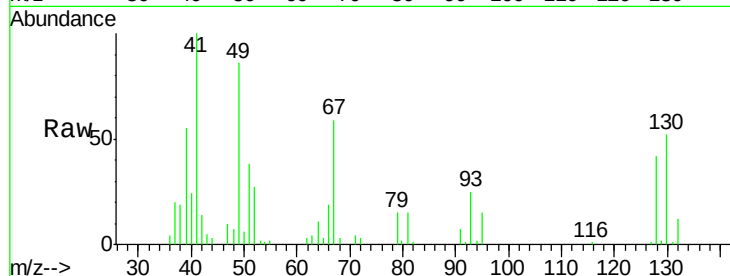




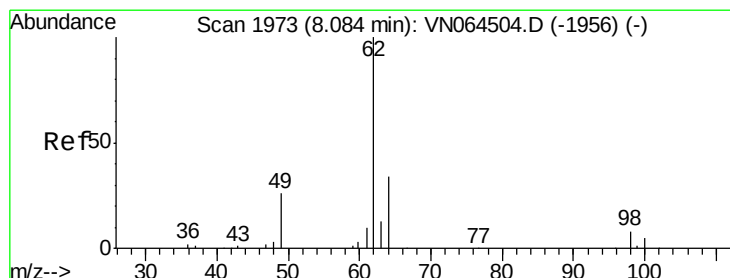
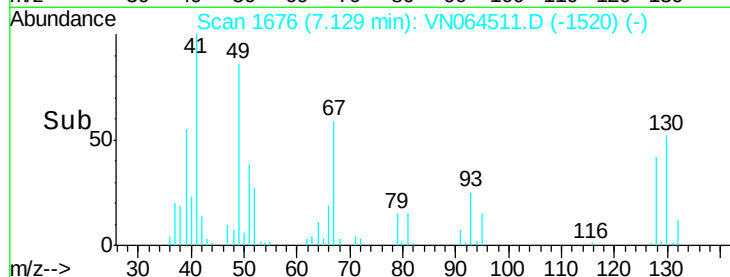
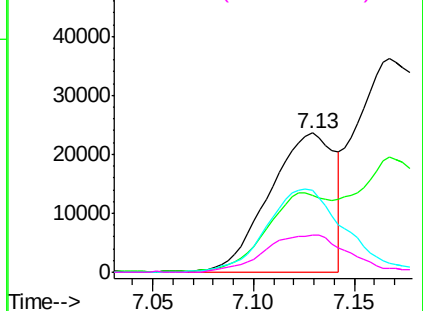
#35
Methacrylonitrile
Concen: 20.321 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampled :
VN1109WBSD01

Tot Ion:	41	Resp:	53229
Ion	Ratio	Lower	Upper
41	100		
39	54.1	30.0	90.1
67	57.9	29.2	87.6
52	26.7	14.9	44.9

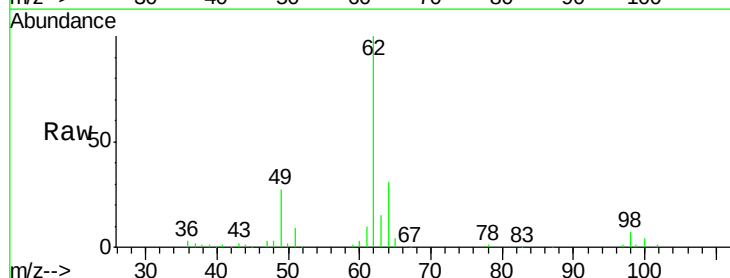


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

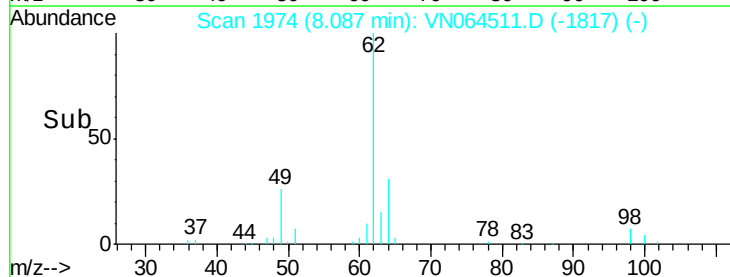
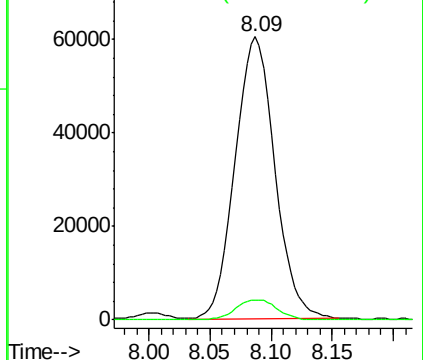


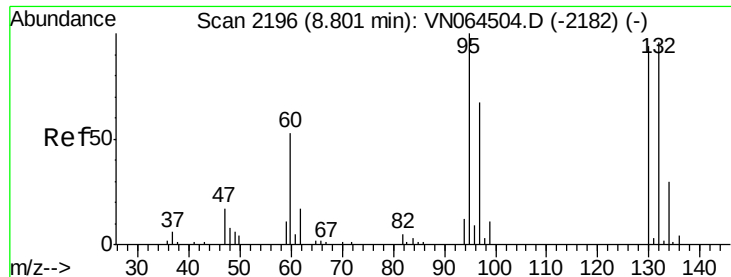
#36
1,2-Dichloroethane
Concen: 20.312 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion:	62	Resp:	136516
Ion	Ratio	Lower	Upper
62	100		
98	3.8	5.5	8.3#



Abundance Ion 62.00 (61.70 to 62.70): VNC
Ion 98.00 (97.70 to 98.70): VNC





#37

Trichloroethene

Concen: 19.864 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

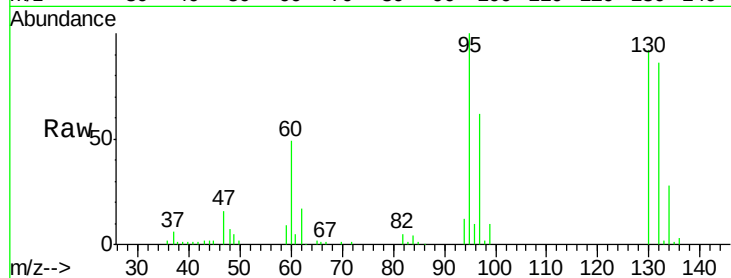
VN1109WBSD01

Tot Ion:130 Resp: 82256

Ion Ratio Lower Upper

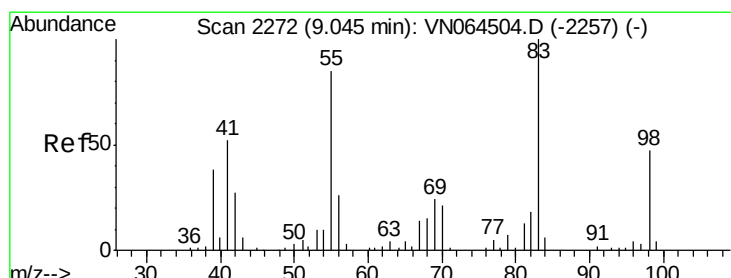
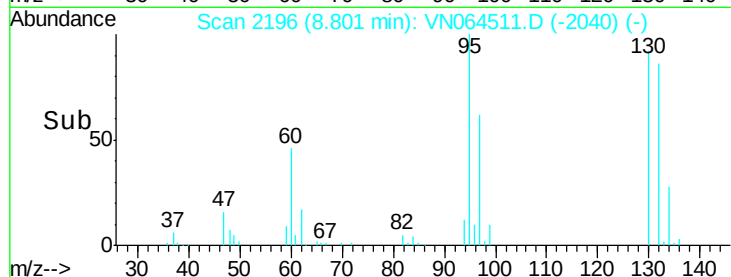
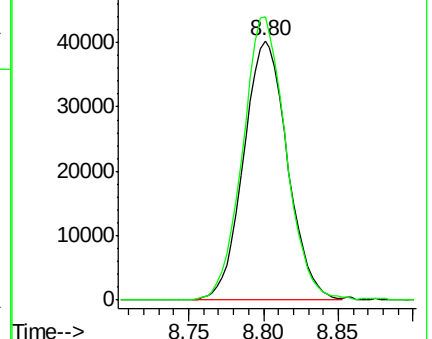
130 100

95 108.7 85.1 127.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 18.986 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

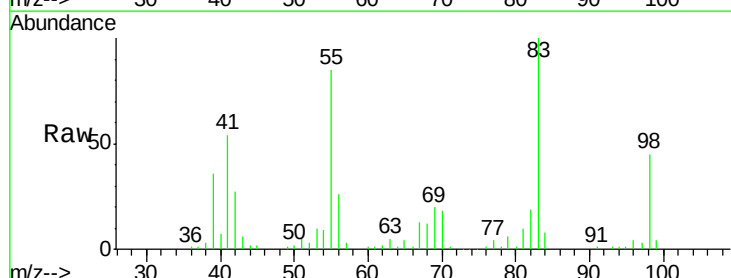
Tgt Ion: 83 Resp: 97133

Ion Ratio Lower Upper

83 100

55 87.5 42.0 126.1

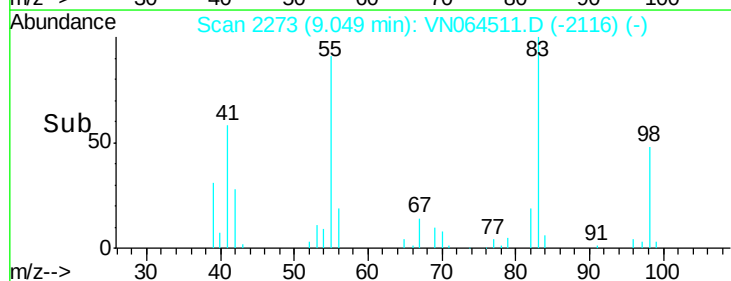
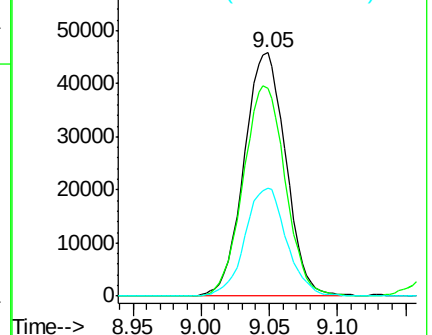
98 44.3 22.5 67.5

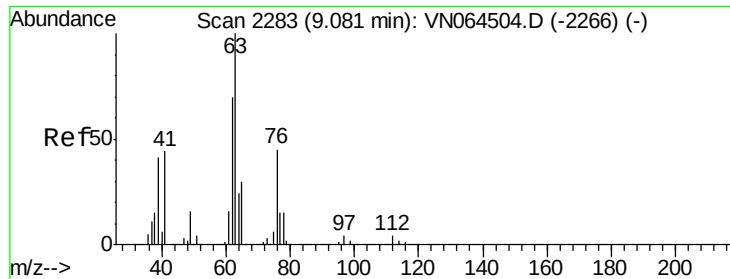


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

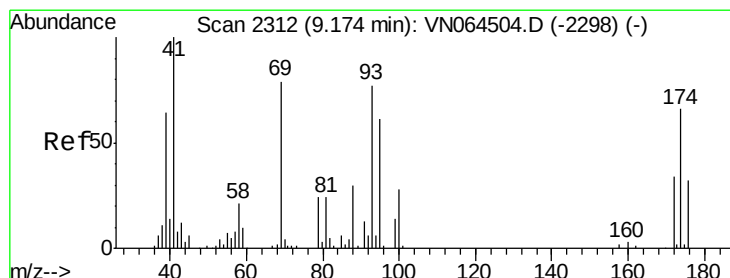
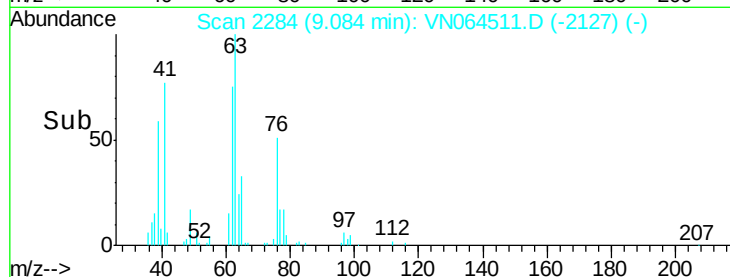
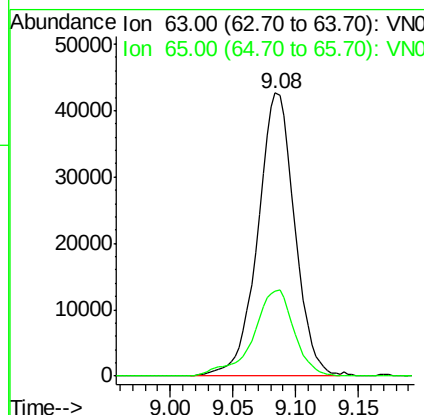
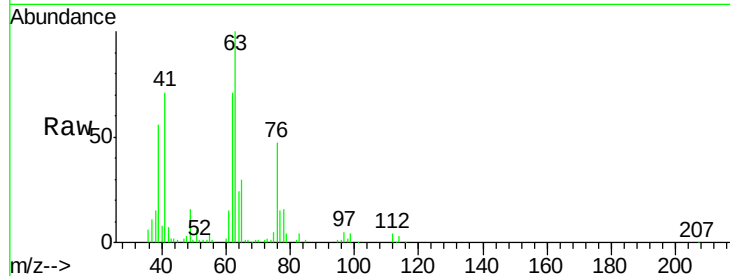




#39
 1,2-Dichloropropane
 Concen: 19.866 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

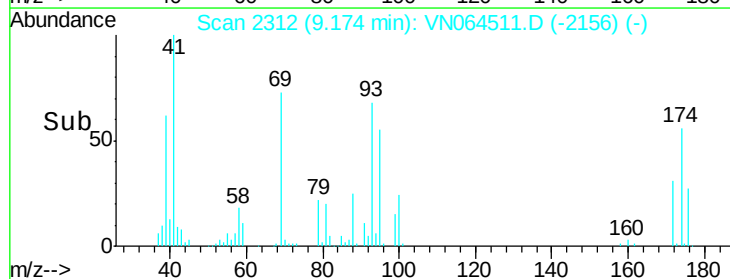
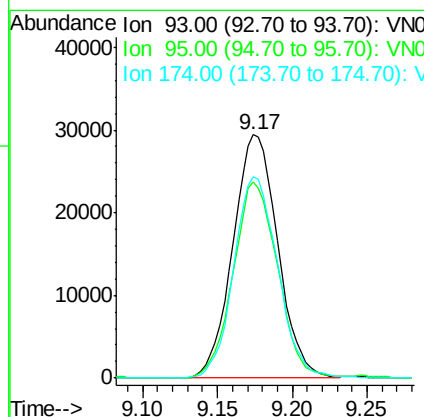
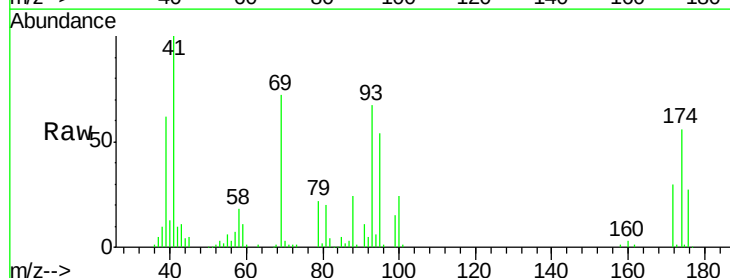
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

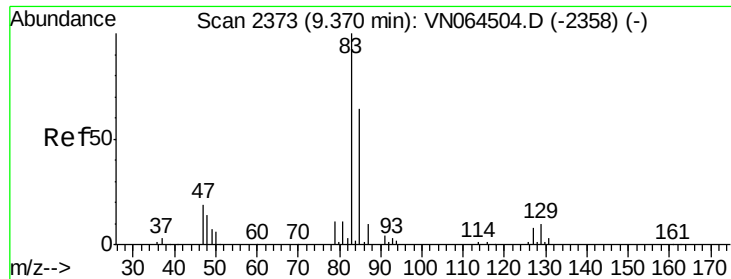
Tot Ion: 63 Resp: 87423
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.4 36.6



#40
 Dibromomethane
 Concen: 20.708 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 93 Resp: 61477
 Ion Ratio Lower Upper
 93 100
 95 79.7 0.0 164.6
 174 81.0 0.0 165.6

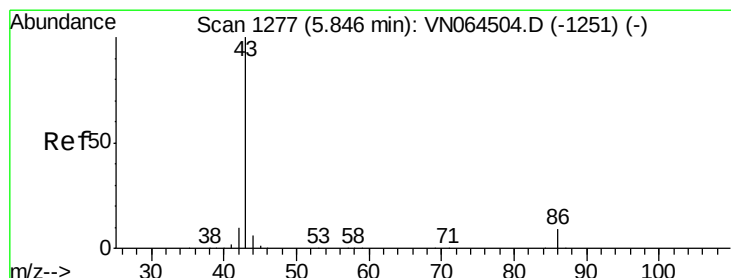
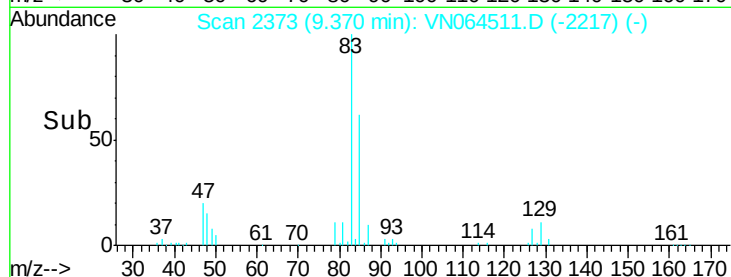
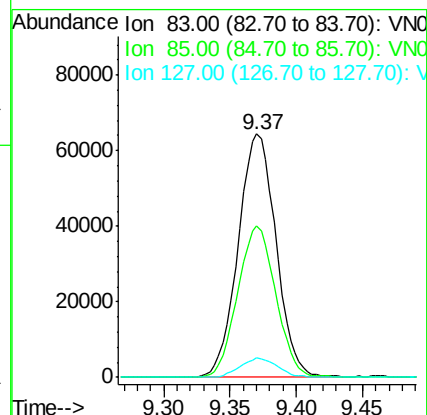
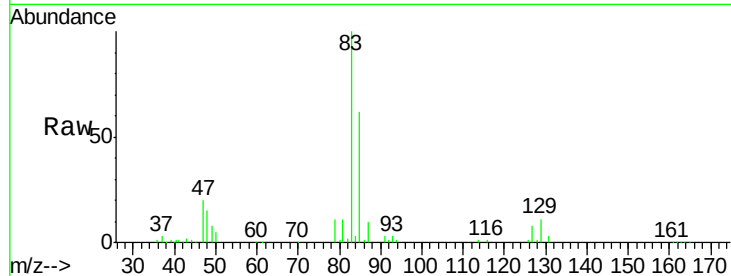




#41
 Bromodichloromethane
 Concen: 19.890 ug/l
 RT: 9.37 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

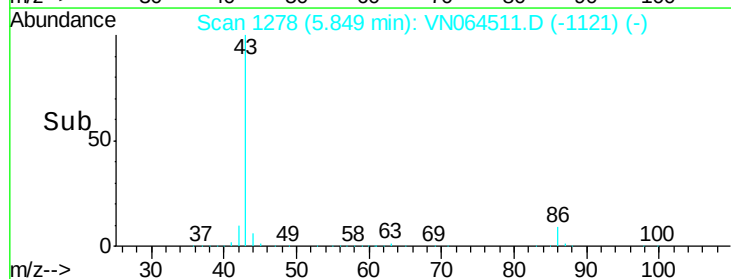
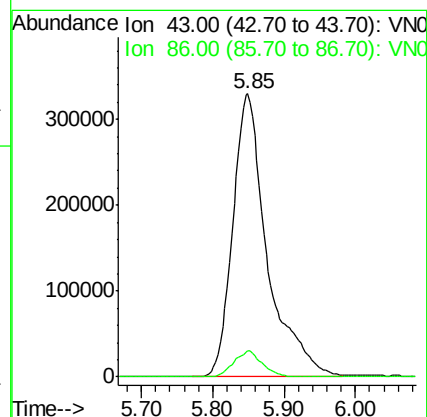
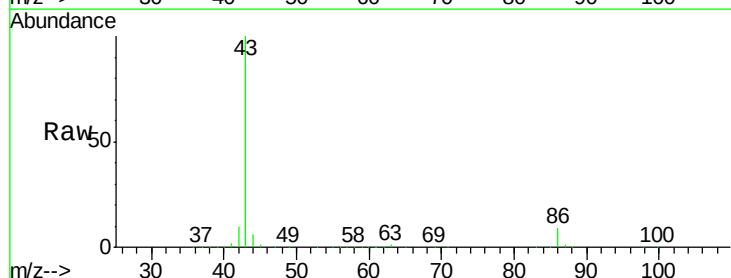
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

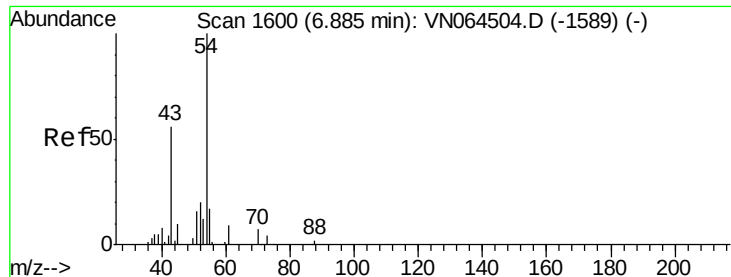
Tot Ion: 83 Resp: 127980
 Ion Ratio Lower Upper
 83 100
 85 62.4 51.0 76.4
 127 7.9 6.2 9.4



#42
 Vinyl Acetate
 Concen: 98.809 ug/l
 RT: 5.85 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 43 Resp: 1107579
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.3 9.5

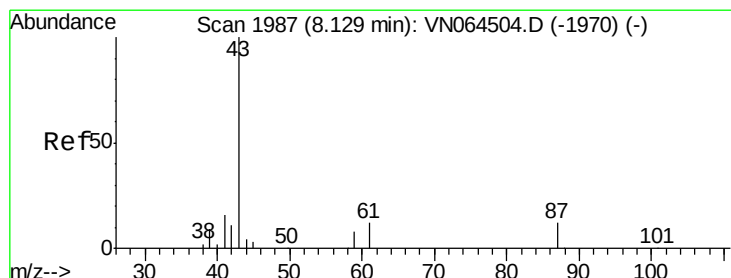
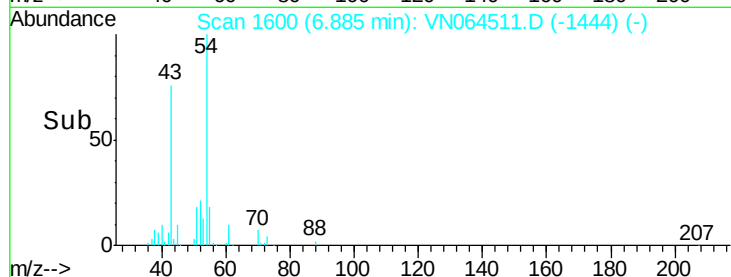
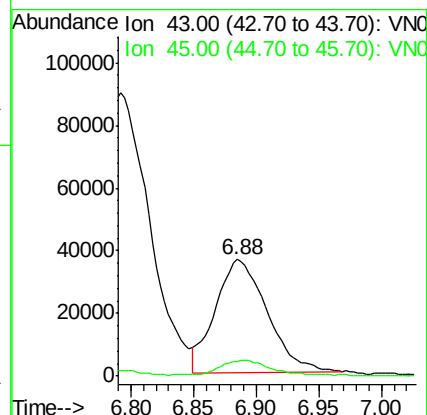
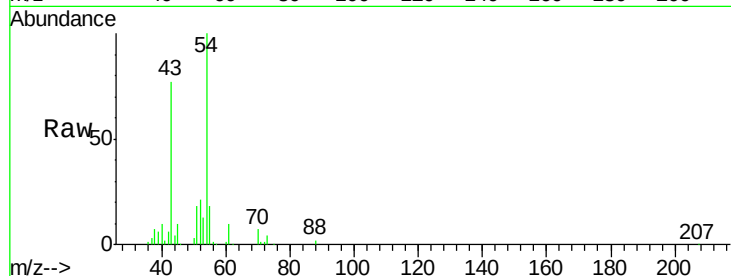




#43
Ethyl Acetate
Concen: 18.865 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

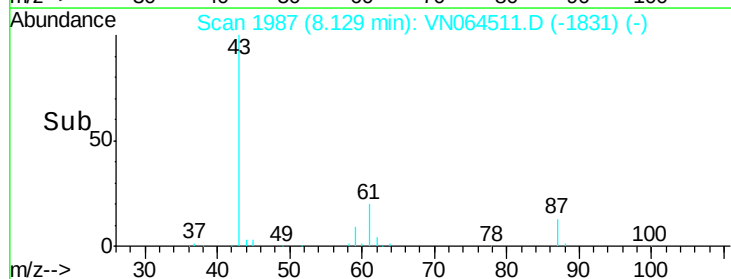
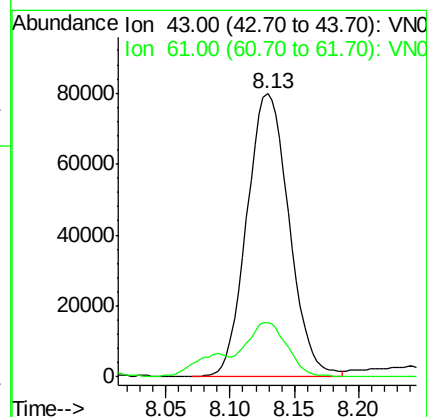
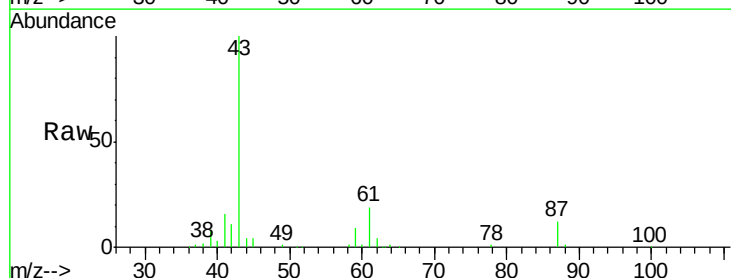
Instrument :
MSVOA_N
ClientSampled :
VN1109WBSD01

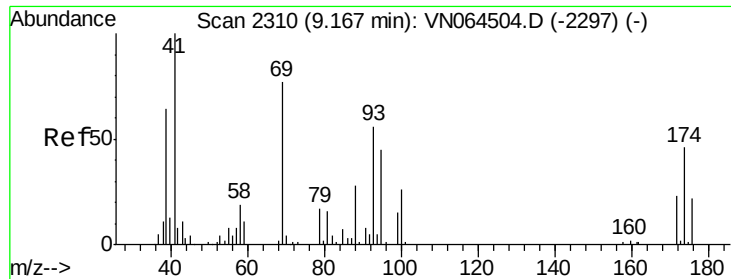
Tot Ion: 43 Resp: 102781
Ion Ratio Lower Upper
43 100
45 12.4 10.9 16.3



#44
Isopropyl Acetate
Concen: 19.346 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion: 43 Resp: 181945
Ion Ratio Lower Upper
43 100
61 19.0 13.0 19.4





#45

1,4-Dioxane

Concen: 377.514 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

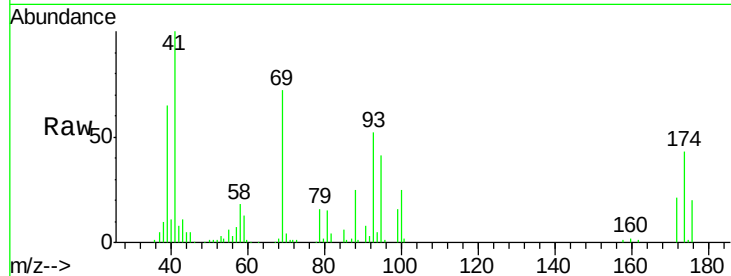
MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 88 Resp: 24889

Ion	Ratio	Lower	Upper
88	100		
43	43.1	30.6	46.0
58	72.9	57.9	86.9

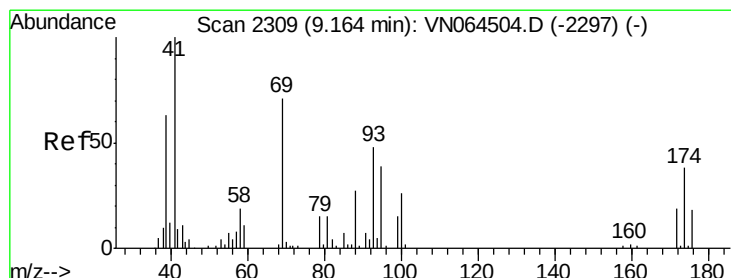
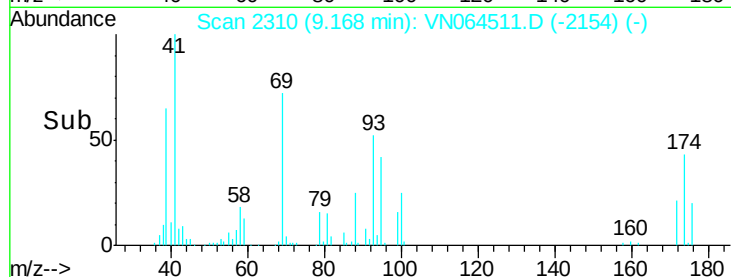
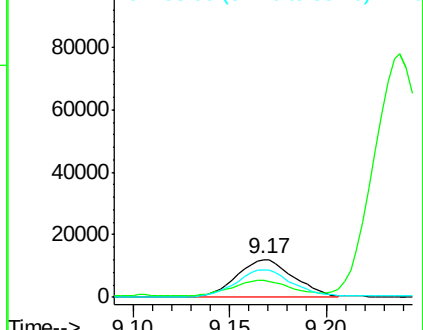


Abundance

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: 20.189 ug/l

RT: 9.17 min Scan# 2310

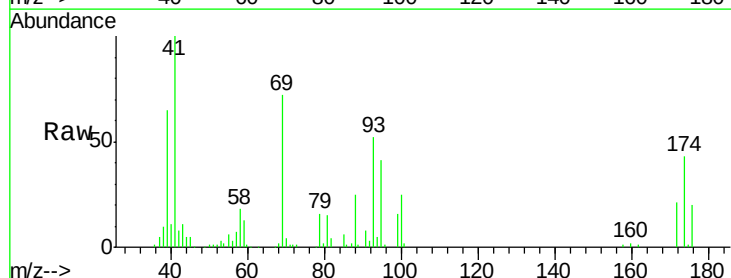
Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Tgt Ion: 41 Resp: 94429

Ion	Ratio	Lower	Upper
41	100		
69	72.1	35.4	106.2
39	63.8	31.6	94.7

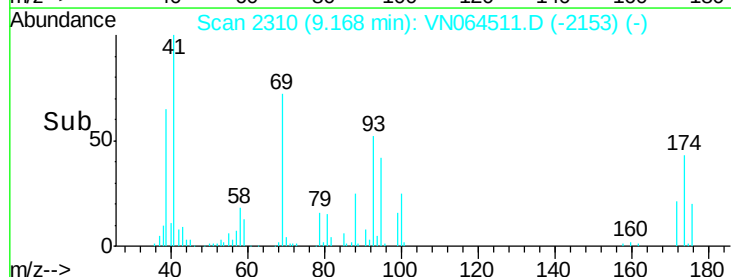
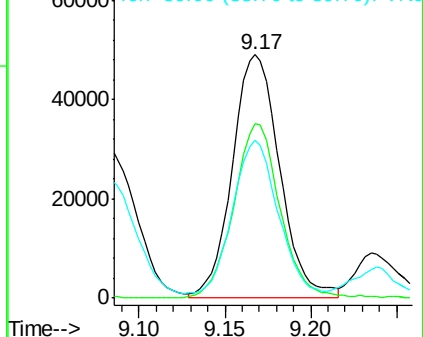


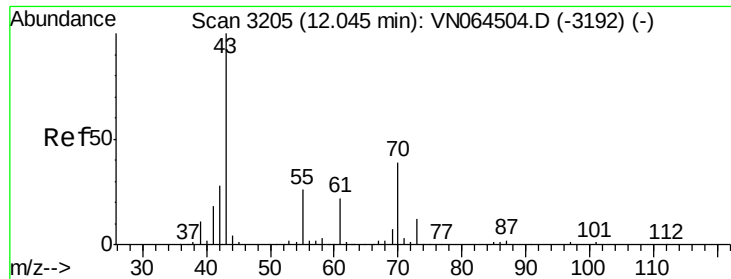
Abundance

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

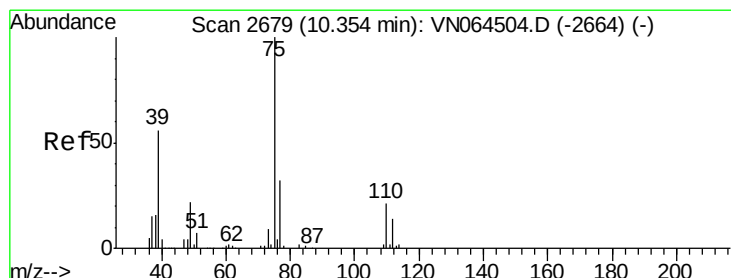
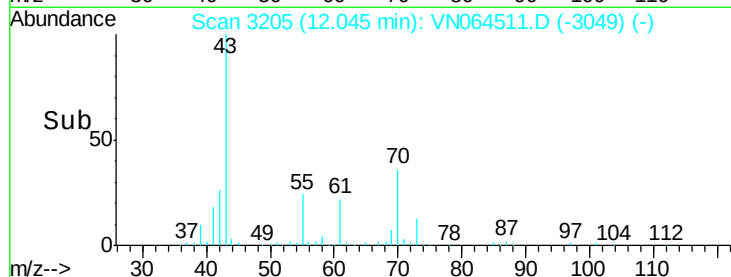
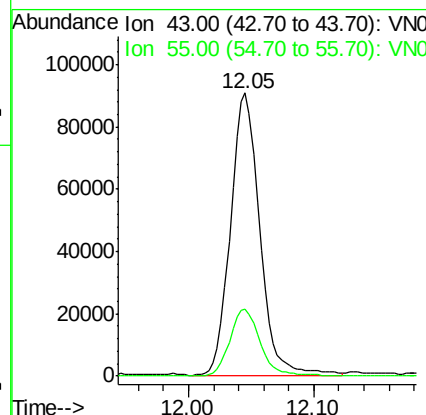
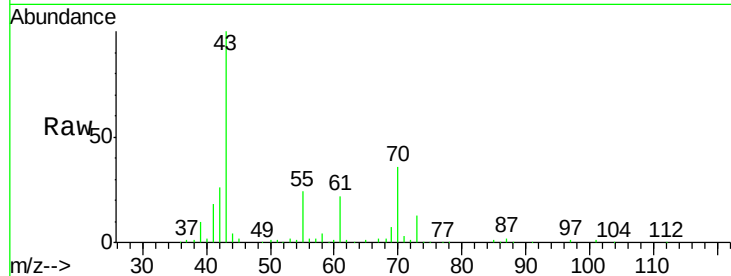




#47
n-amyl Acetate
Concen: 18.008 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

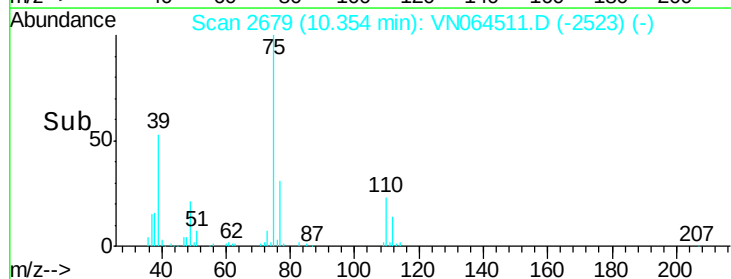
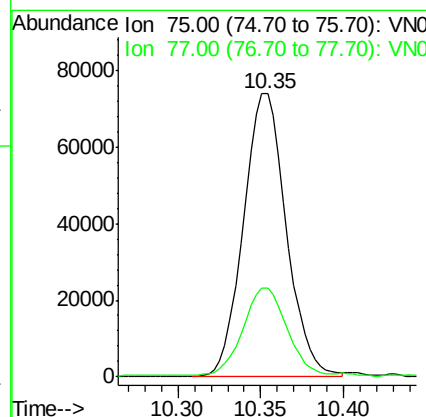
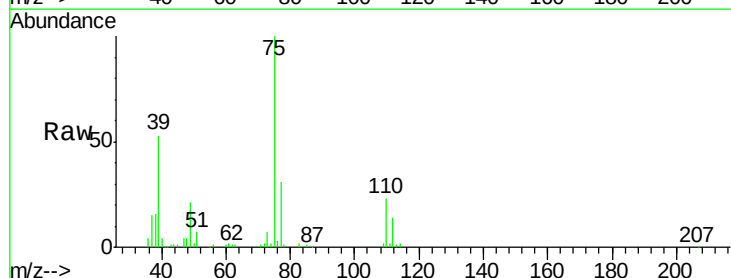
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

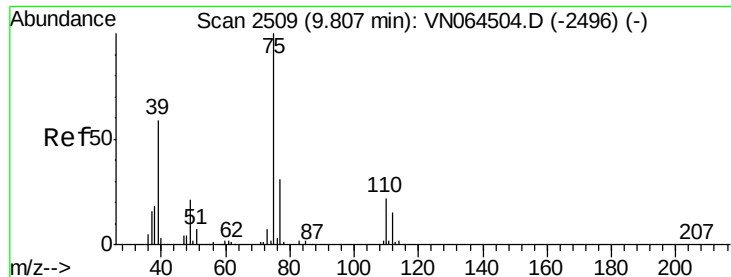
Tot Ion: 43 Resp: 146509
Ion Ratio Lower Upper
43 100
55 24.4 19.2 28.8



#48
t-1,3-Dichloropropene
Concen: 19.489 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion: 75 Resp: 132885
Ion Ratio Lower Upper
75 100
77 30.6 25.8 38.6





#49

cis-1,3-Dichloropropene

Concen: 19.713 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

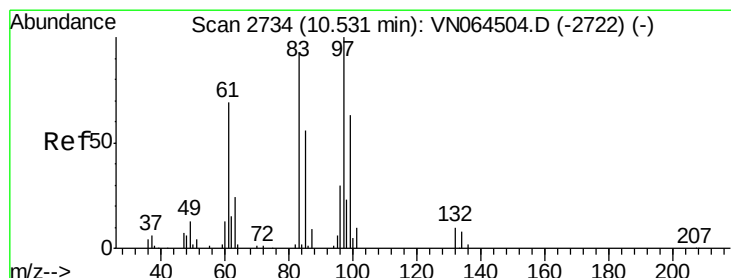
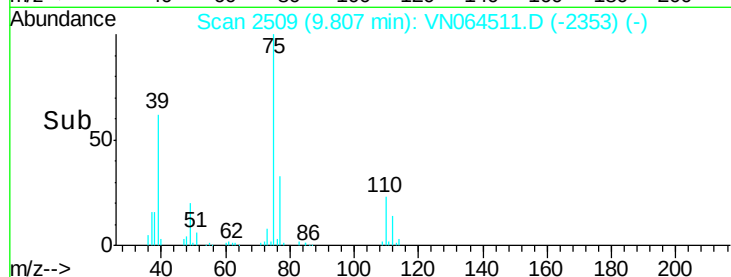
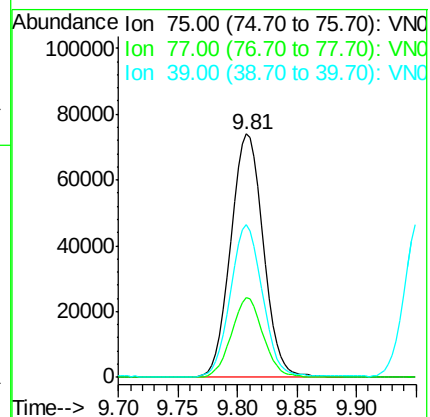
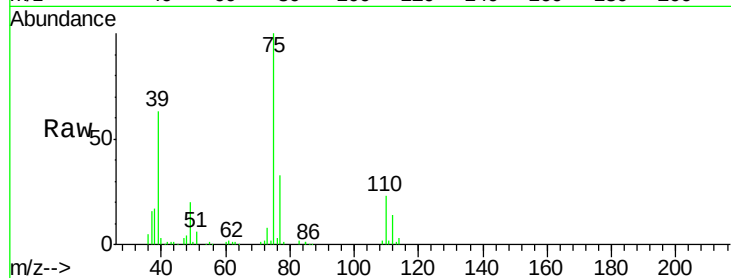
Tot Ion: 75 Resp: 141234

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

39 62.3 47.4 71.0



#50

1,1,2-Trichloroethane

Concen: 19.602 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Tgt Ion: 97 Resp: 79784

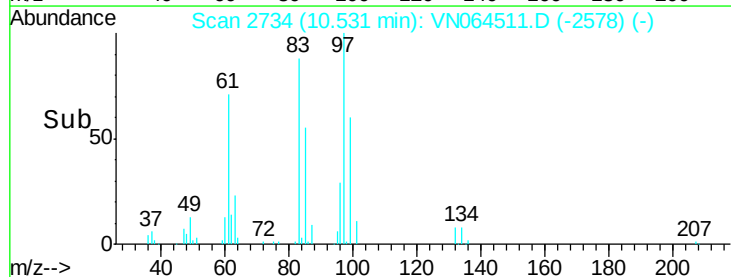
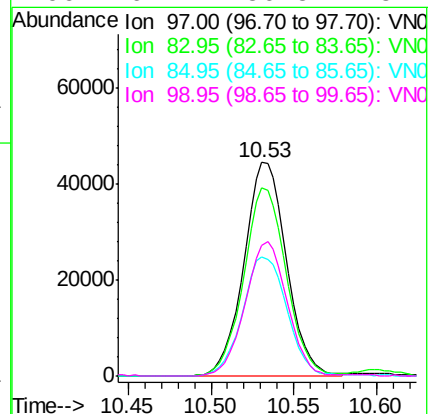
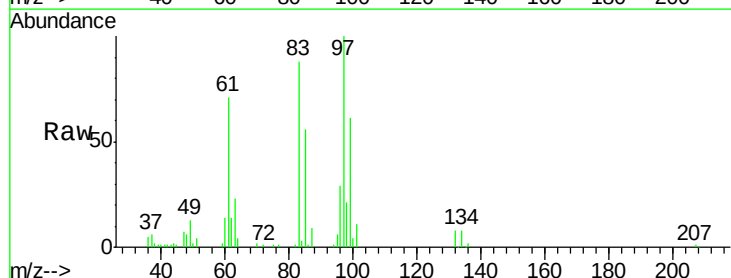
Ion Ratio Lower Upper

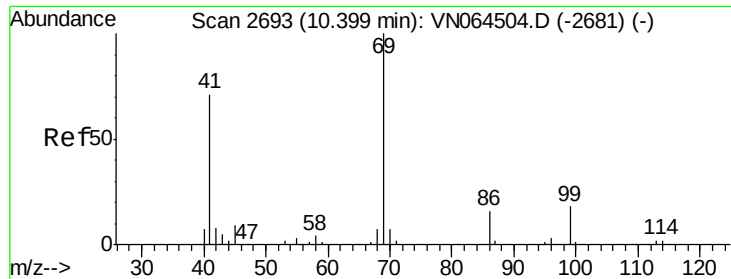
97 100

83 88.3 74.2 111.4

85 55.8 44.8 67.2

99 61.4 50.5 75.7





#51

Ethyl methacrylate

Concen: 18.771 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

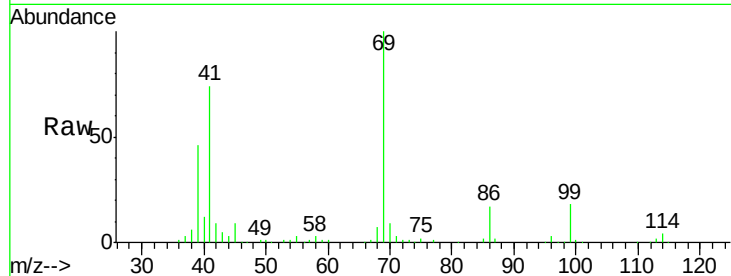
Tot Ion: 69 Resp: 109484

Ion Ratio Lower Upper

69 100

41 73.7 35.4 106.1

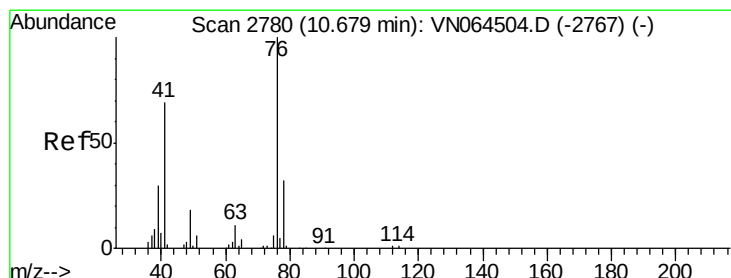
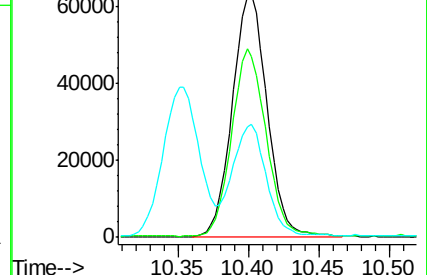
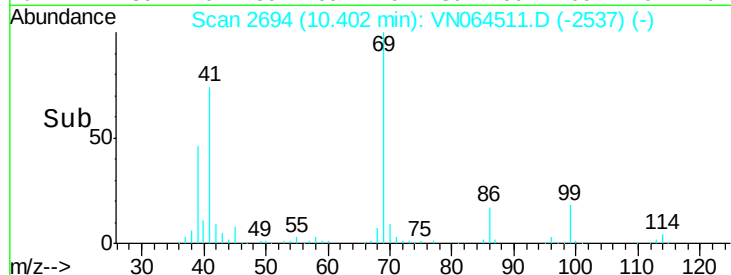
39 45.6 24.1 72.2



Abundance Ion 69.00 (68.70 to 69.70): VN064511.D (-2694) (-)

Ion 41.00 (40.70 to 41.70): VN064511.D (-2694) (-)

Ion 39.00 (38.70 to 39.70): VN064511.D (-2694) (-)



#52

1,3-Dichloropropane

Concen: 20.328 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064511.D

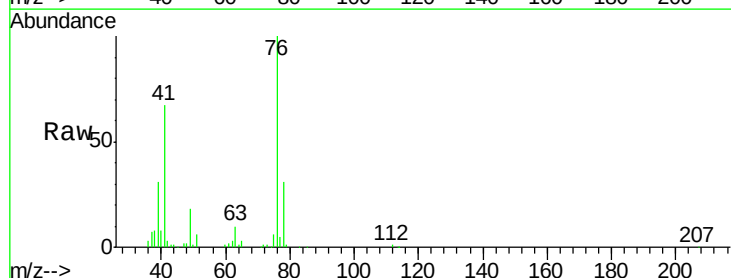
Acq: 9 Nov 2020 17:10

Tgt Ion: 76 Resp: 142139

Ion Ratio Lower Upper

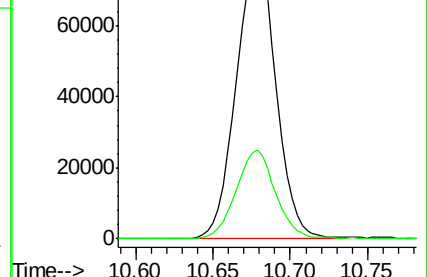
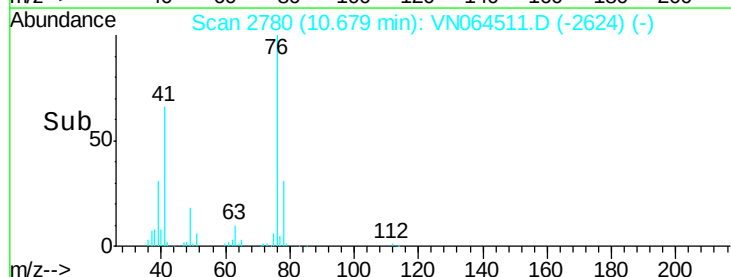
76 100

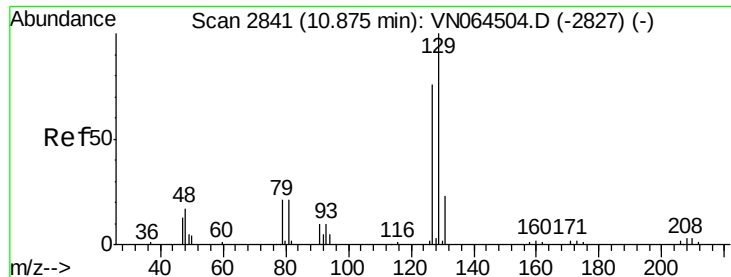
78 30.9 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VN064511.D (-2780) (-)

Ion 78.00 (77.70 to 78.70): VN064511.D (-2780) (-)





#53

Dibromochloromethane

Concen: 19.365 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

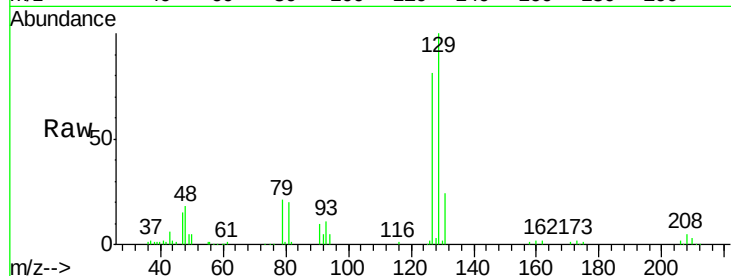
VN1109WBSD01

Tot Ion:129 Resp: 90268

Ion Ratio Lower Upper

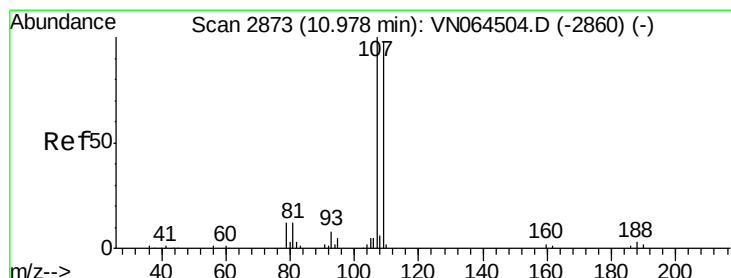
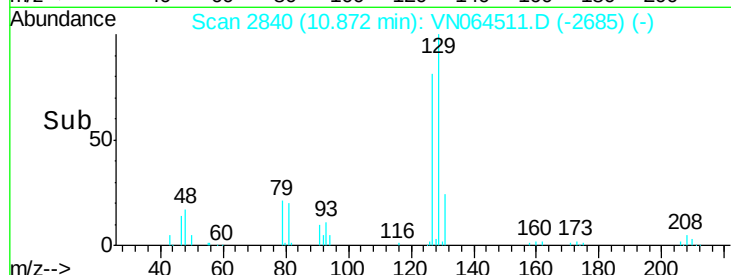
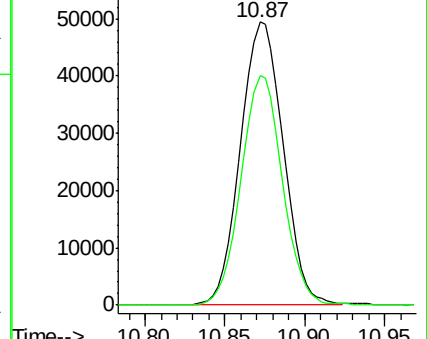
129 100

127 78.3 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.207 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064511.D

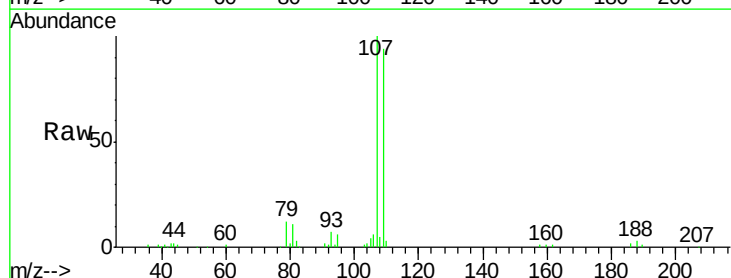
Acq: 9 Nov 2020 17:10

Tgt Ion:107 Resp: 84124

Ion Ratio Lower Upper

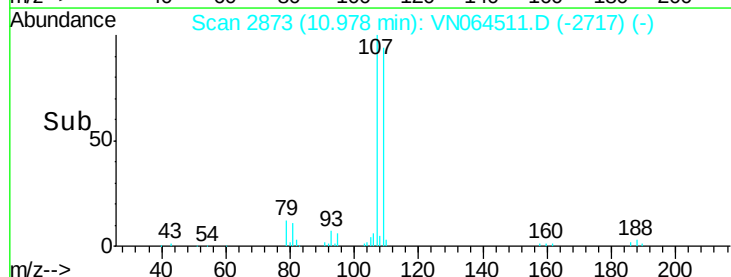
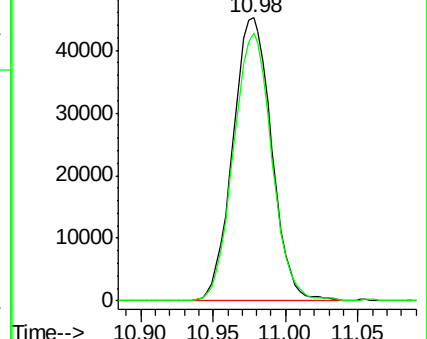
107 100

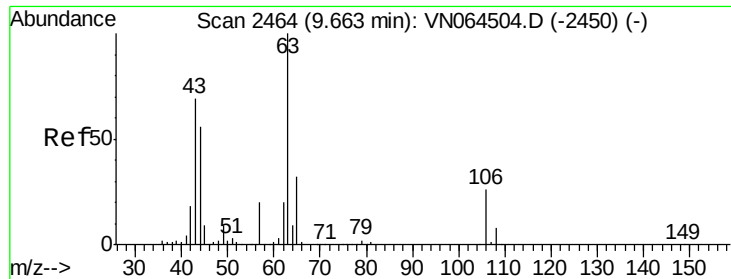
109 92.9 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

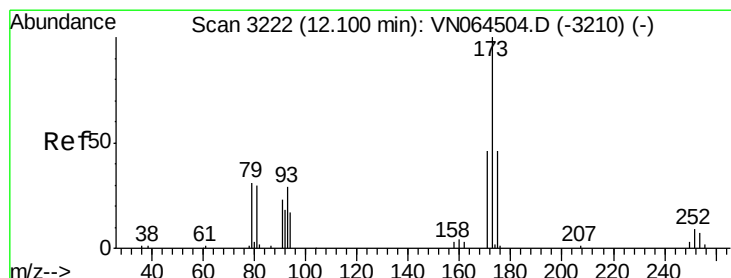
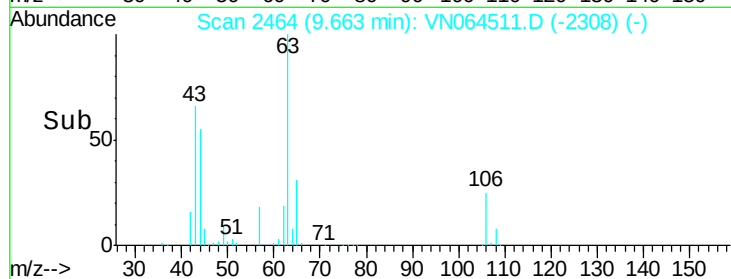
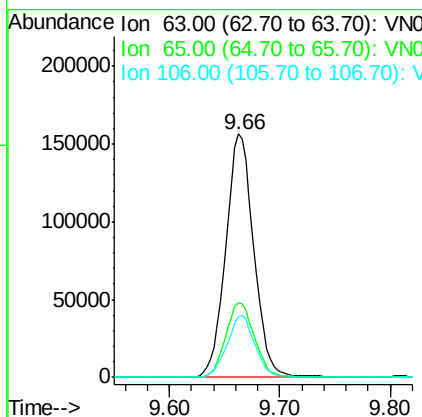
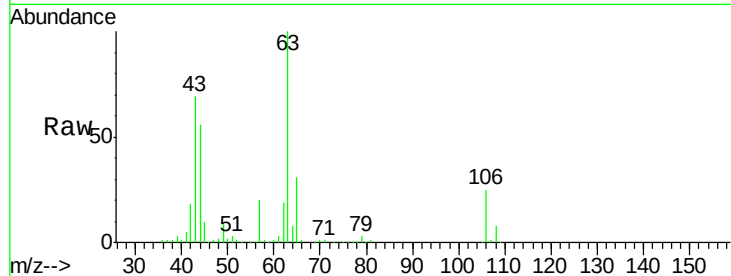




#55
 2-Chloroethyl vinyl ether
 Concen: 90.462 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

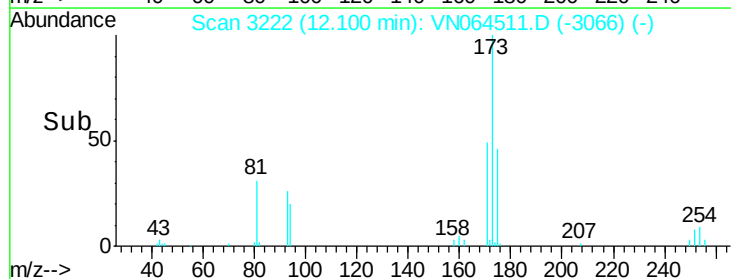
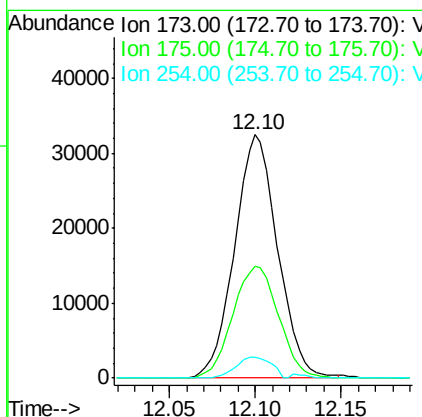
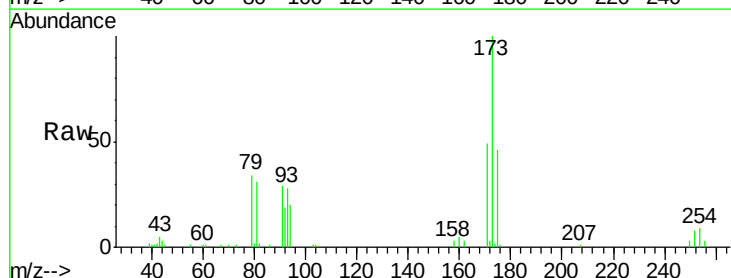
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

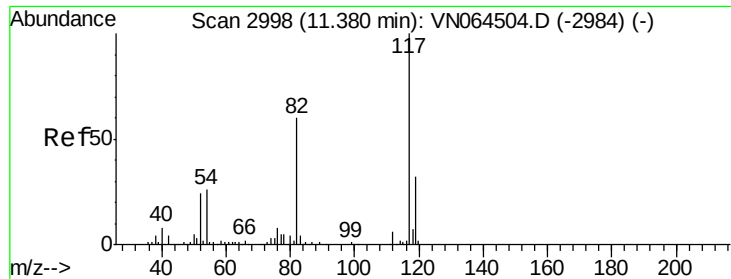
Tot Ion: 63 Resp: 276115
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.7 38.5
 106 25.2 19.9 29.9



#56
 Bromoform
 Concen: 18.440 ug/l
 RT: 12.10 min Scan# 3222
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 173 Resp: 56406
 Ion Ratio Lower Upper
 173 100
 175 48.7 37.1 55.7
 254 7.0 5.4 8.2

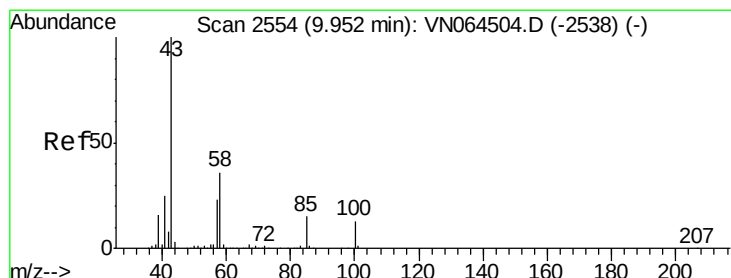
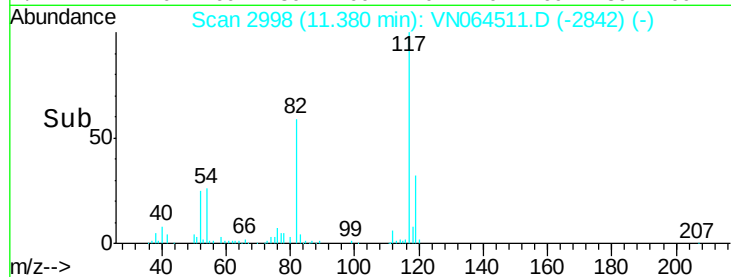
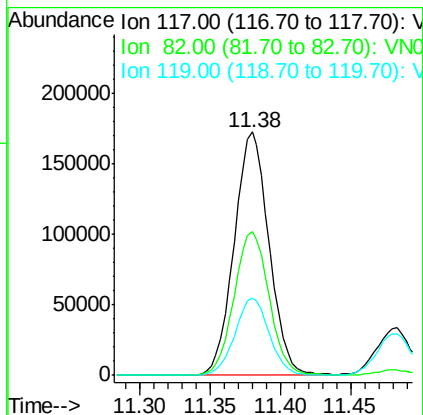
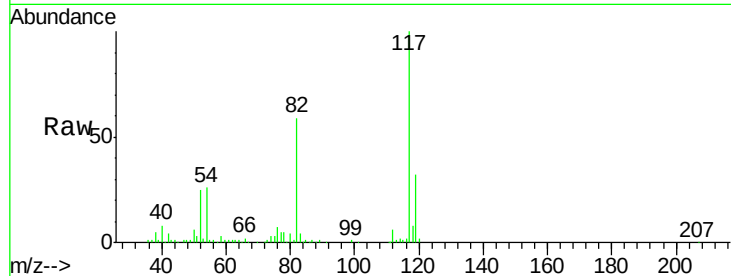




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

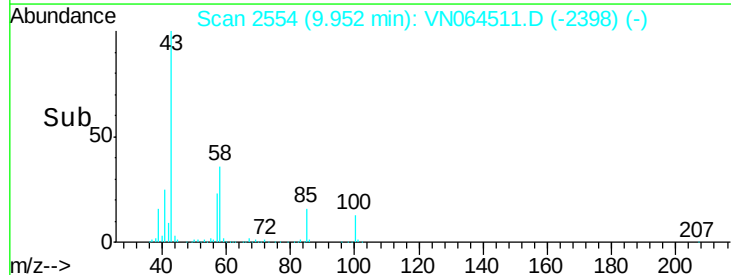
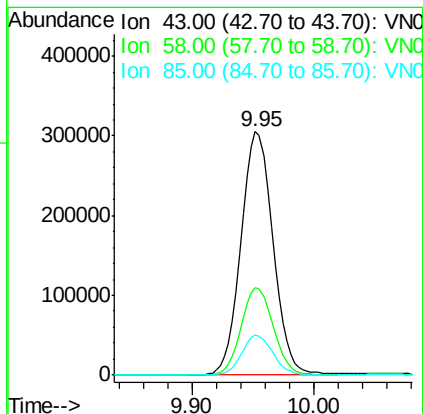
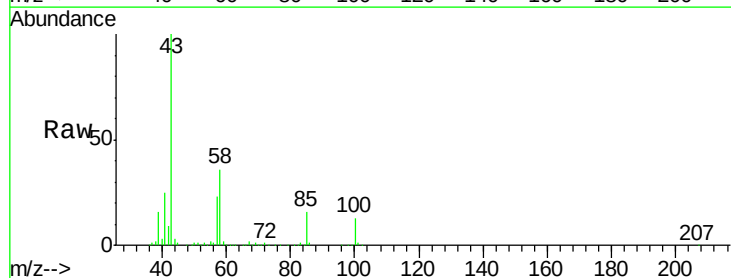
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

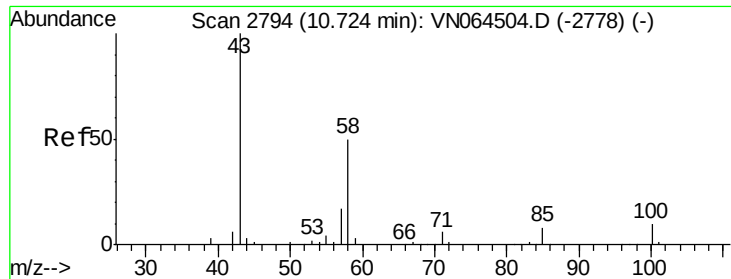
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.8	71.8
119	31.3	25.7	38.5



#58
4-Methyl-2-Pentanone
Concen: 100.108 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.8	43.2
85	16.0	12.3	18.5

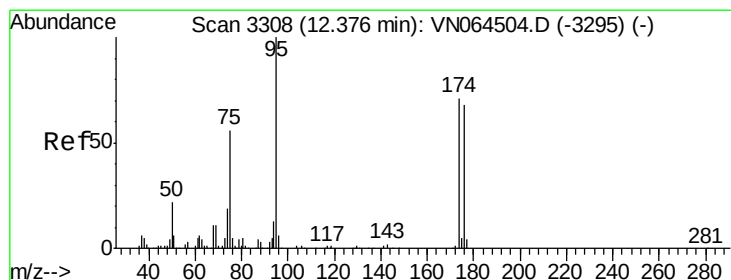
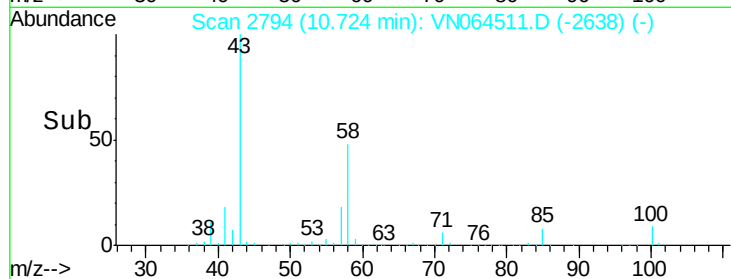
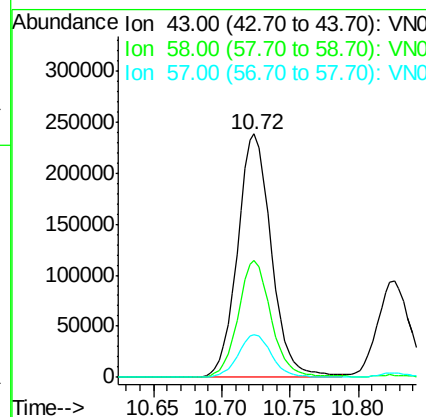
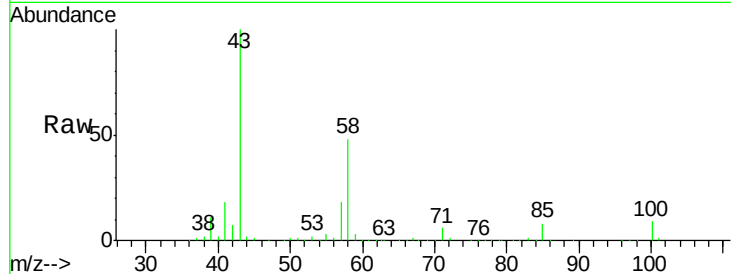




#59
2-Hexanone
Concen: 98.189 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

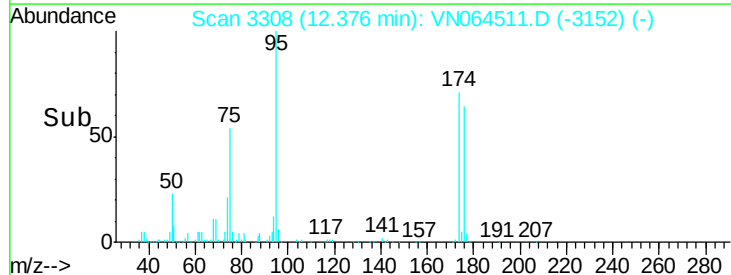
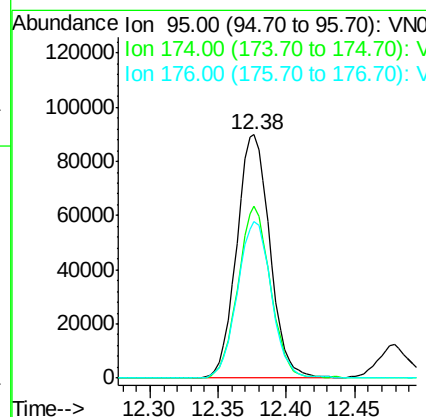
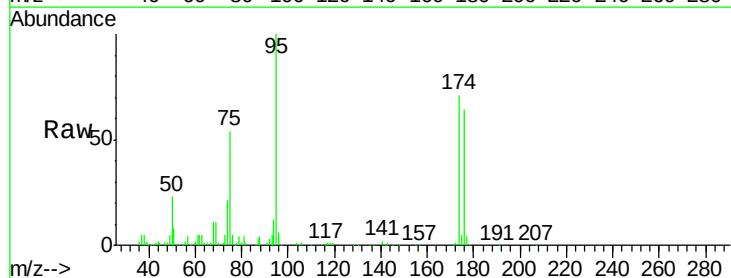
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

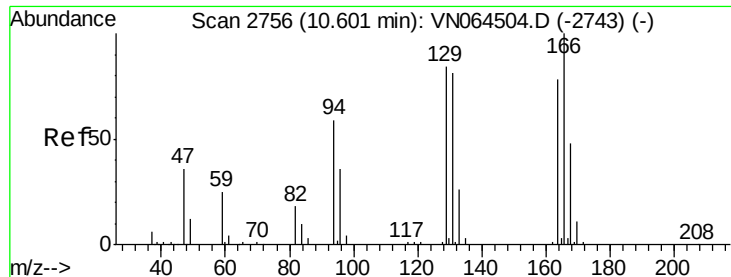
Tot Ion: 43 Resp: 407040
Ion Ratio Lower Upper
43 100
58 47.3 38.2 57.4
57 17.4 13.8 20.8



#60
4-Bromofluorobenzene
Concen: 29.651 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion: 95 Resp: 152233
Ion Ratio Lower Upper
95 100
174 68.8 56.4 84.6
176 65.7 53.3 79.9





#61

Tetrachloroethene

Concen: 21.047 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion:164 Resp: 78849

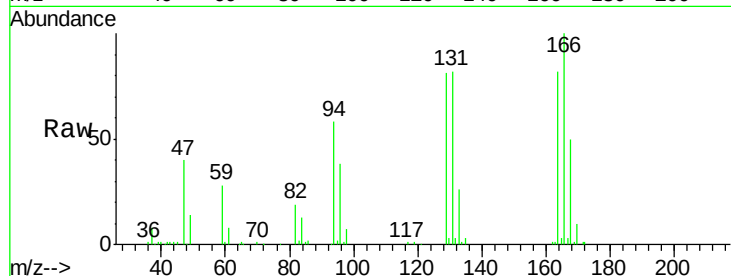
Ion Ratio Lower Upper

164 100

166 121.9 103.2 154.8

129 98.7 86.4 129.6

131 100.2 84.0 126.0

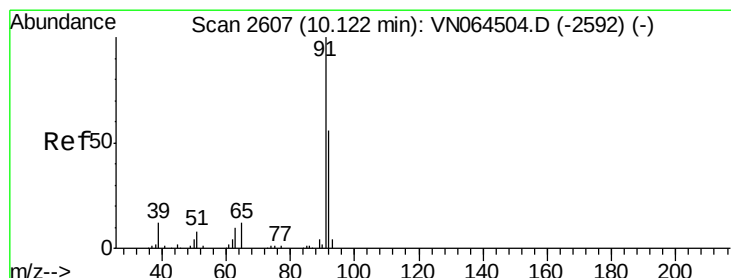
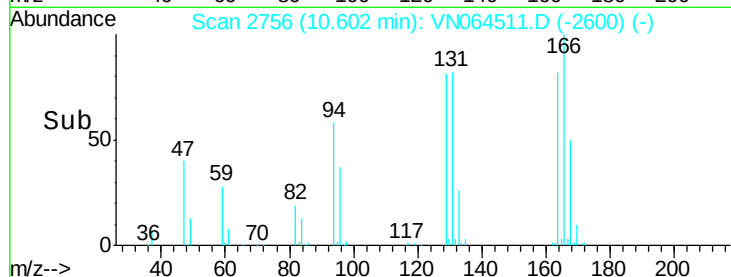
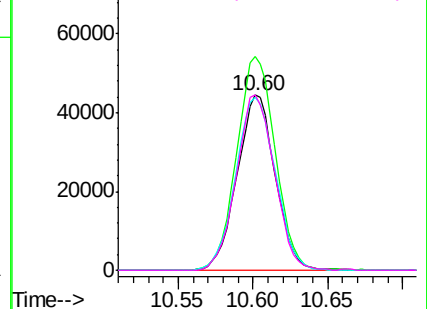


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.016 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064511.D

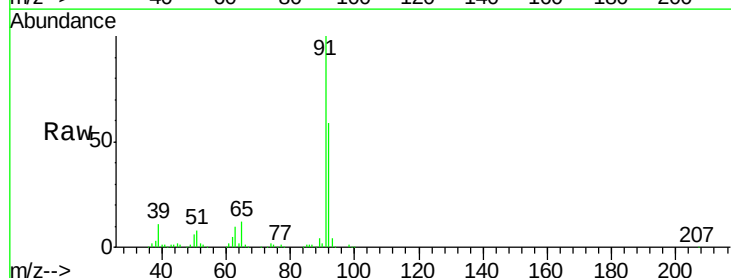
Acq: 9 Nov 2020 17:10

Tgt Ion: 91 Resp: 352299

Ion Ratio Lower Upper

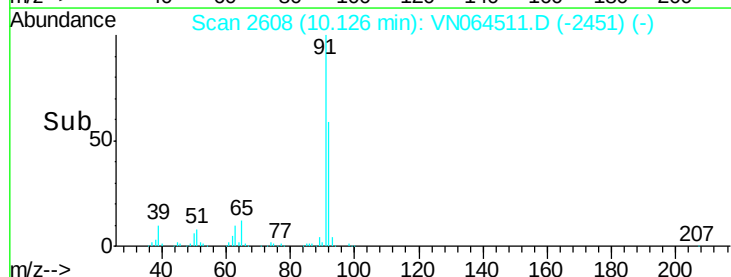
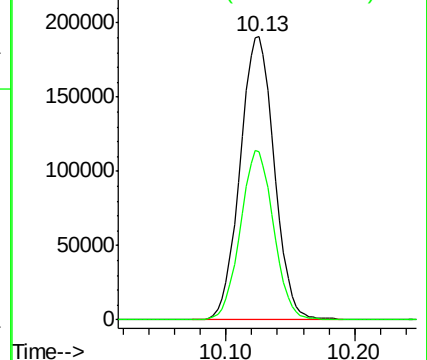
91 100

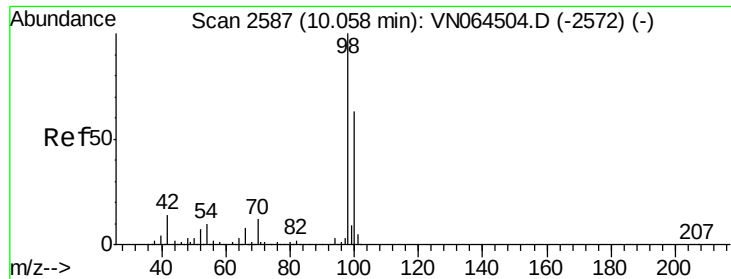
92 58.0 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.908 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampled :

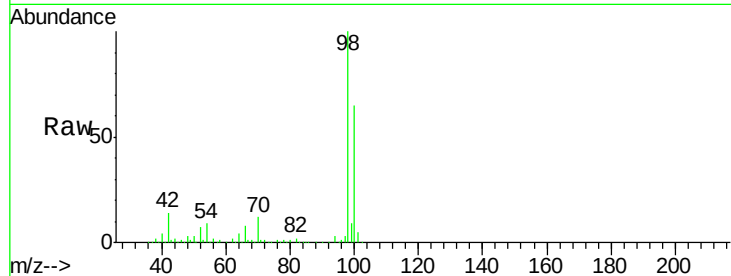
VN1109WBSD01

Tot Ion: 98 Resp: 418042

Ion Ratio Lower Upper

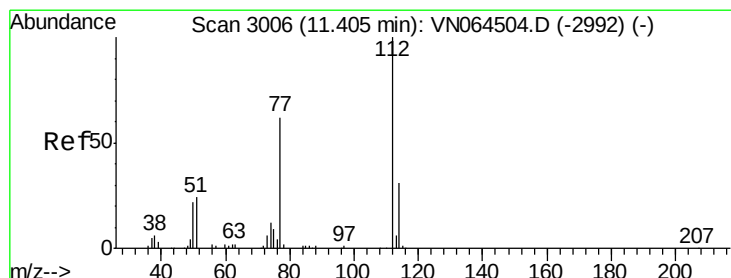
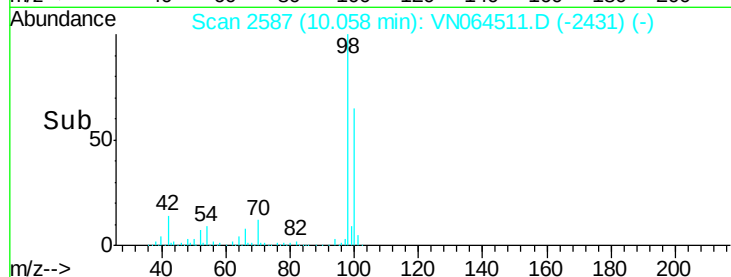
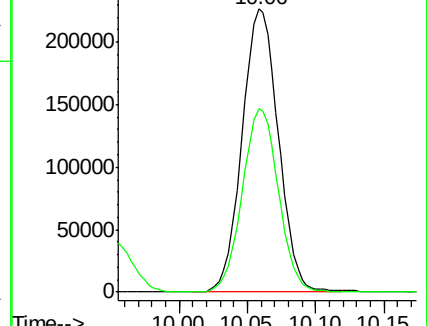
98 100

100 64.6 49.4 74.2



Abundance Ion 98.00 (97.70 to 98.70): VN064511.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064511.D (-2572) (-)



#64

Chlorobenzene

Concen: 20.066 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064511.D

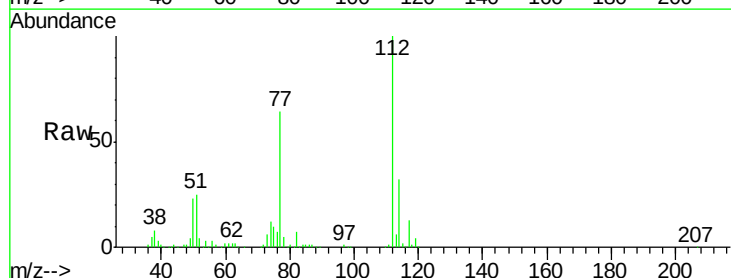
Acq: 9 Nov 2020 17:10

Tgt Ion: 112 Resp: 209939

Ion Ratio Lower Upper

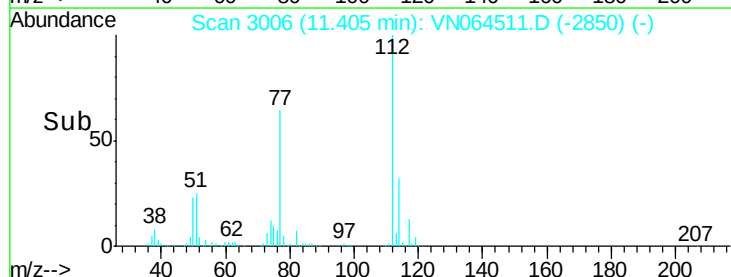
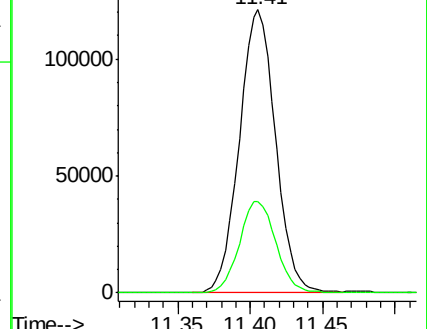
112 100

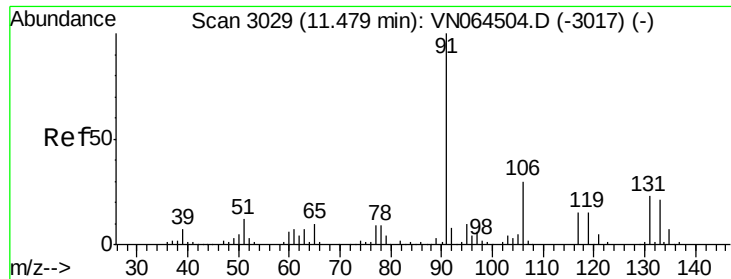
114 32.5 25.0 37.6



Abundance Ion 112.00 (111.70 to 112.70): VN064511.D (-2850) (-)

Ion 114.00 (113.70 to 114.70): VN064511.D (-2850) (-)

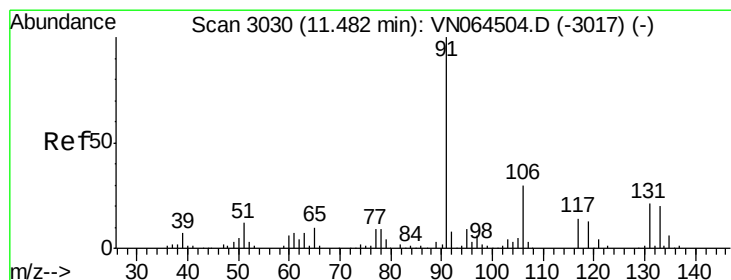
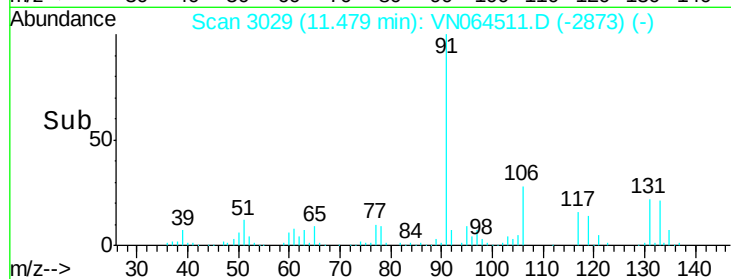
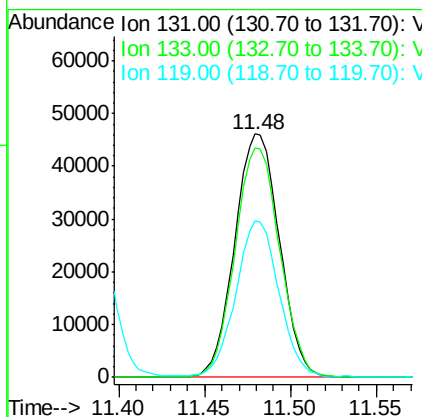
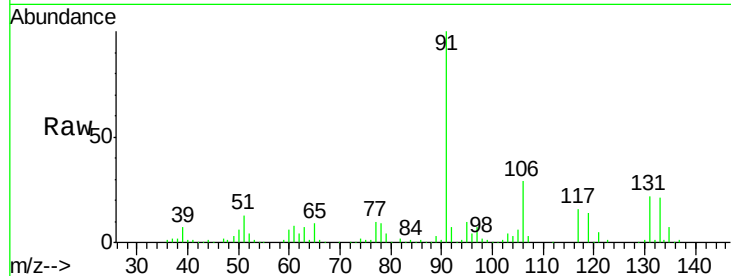




#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.329 ug/l
 RT: 11.48 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

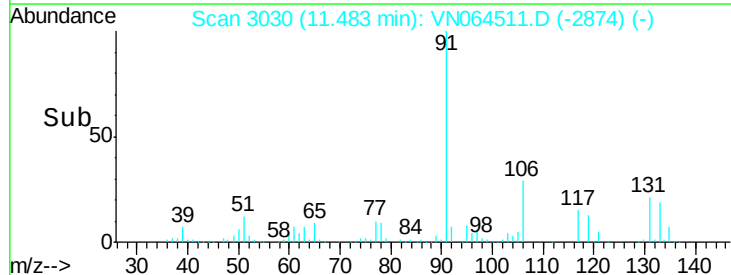
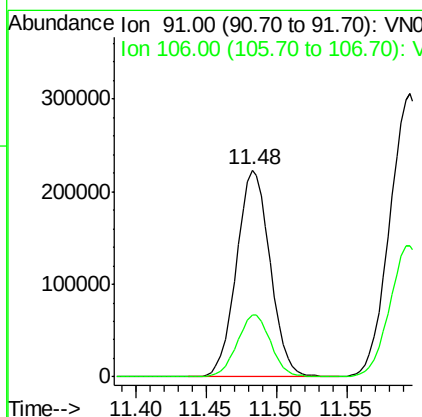
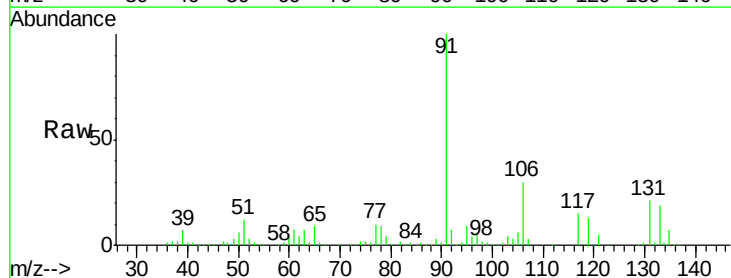
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

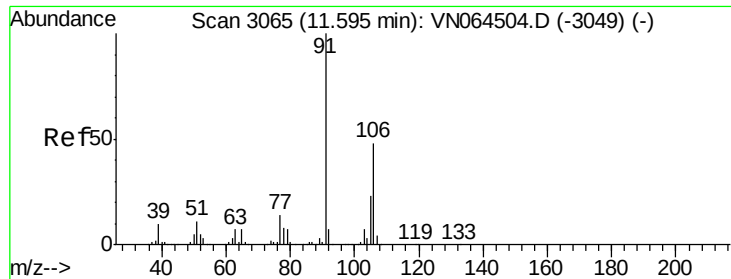
Tot Ion:131 Resp: 83148
 Ion Ratio Lower Upper
 131 100
 133 94.3 0.0 191.2
 119 62.0 0.0 131.6



#66
 Ethyl Benzene
 Concen: 19.674 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 91 Resp: 373724
 Ion Ratio Lower Upper
 91 100
 106 30.0 23.9 35.9

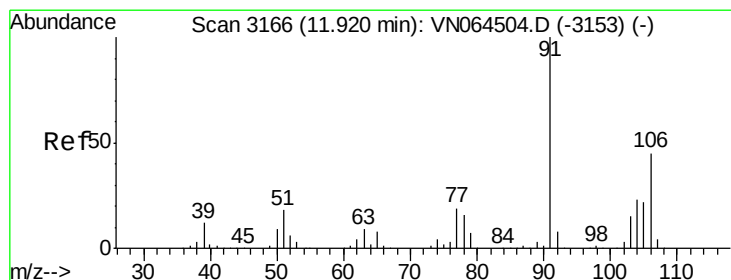
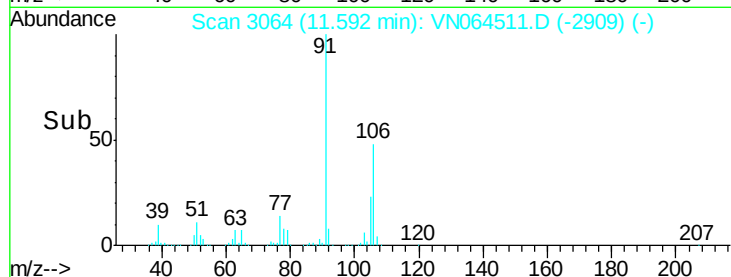
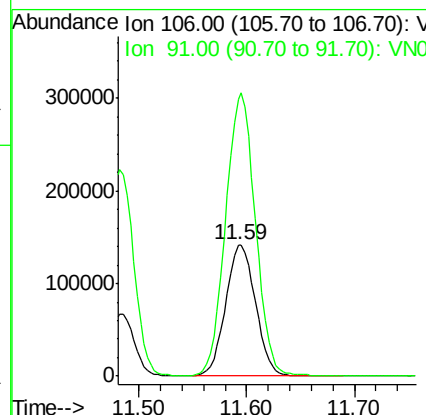
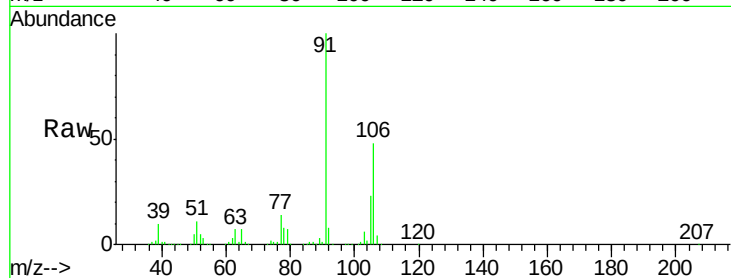




#67
m/p-Xylenes
Concen: 39.100 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

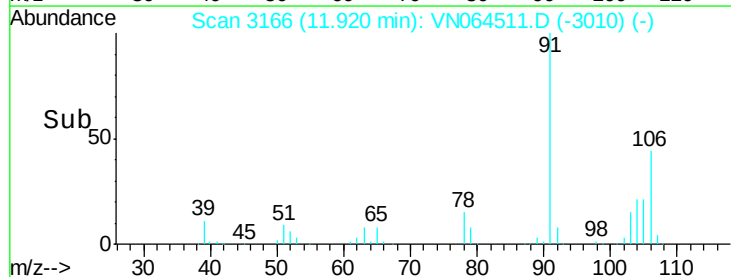
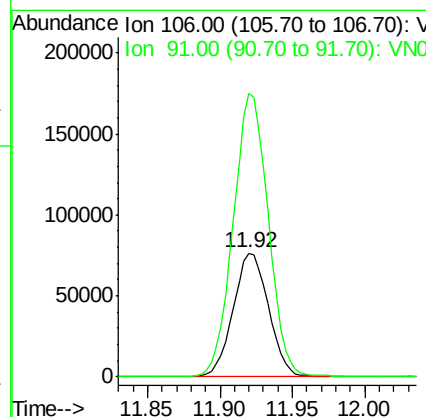
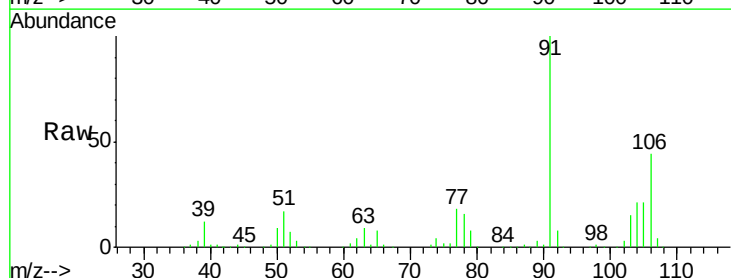
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

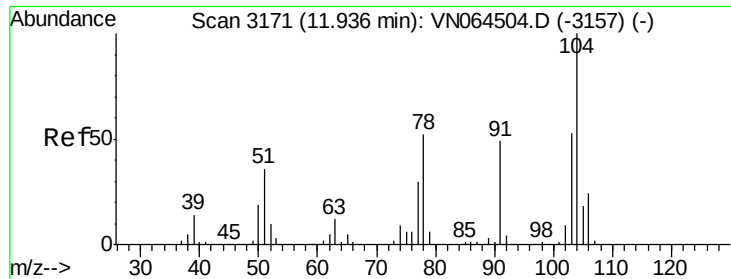
Tot Ion:106 Resp: 274139
Ion Ratio Lower Upper
106 100
91 213.3 168.8 253.2



#68
o-Xylene
Concen: 19.519 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion:106 Resp: 129508
Ion Ratio Lower Upper
106 100
91 227.0 109.7 329.2

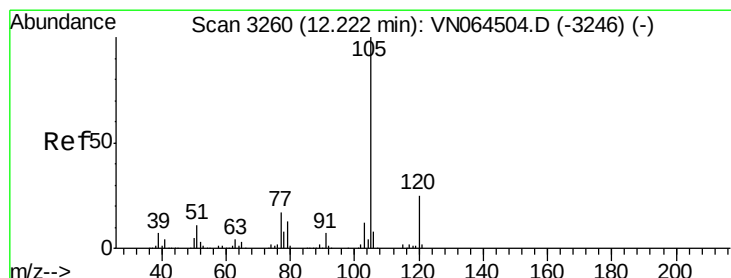
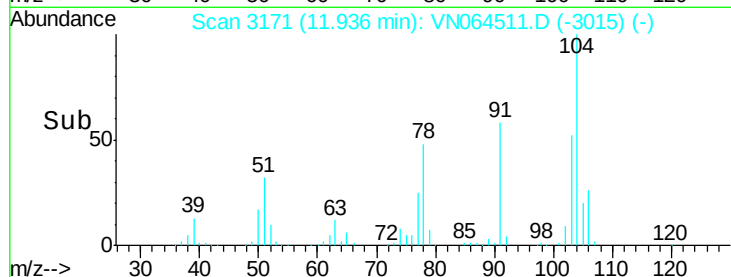
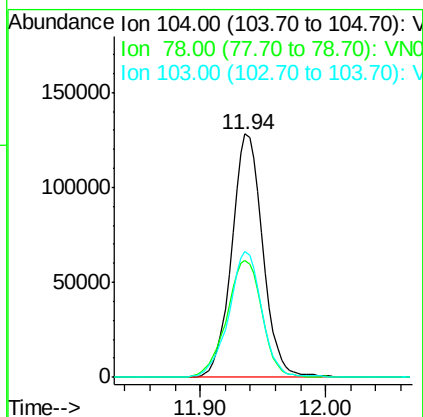
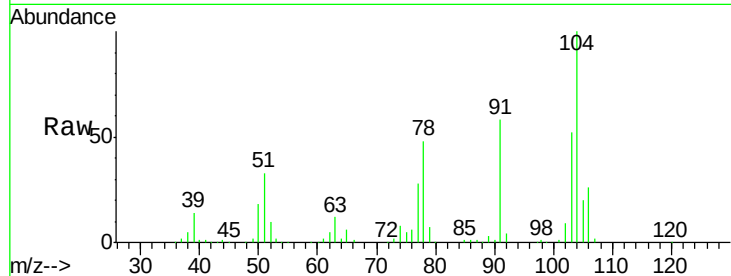




#69
Stvrene
Concen: 19.402 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

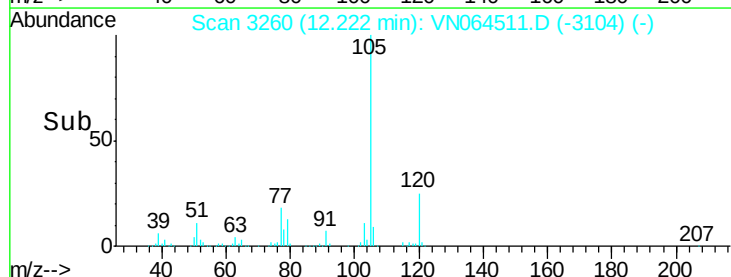
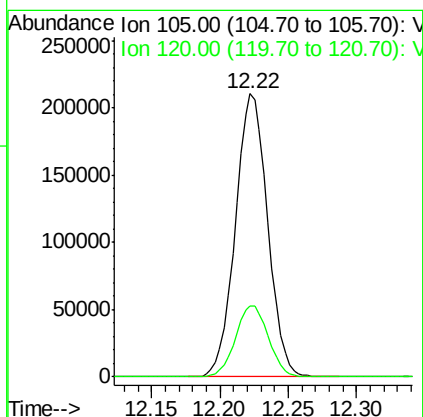
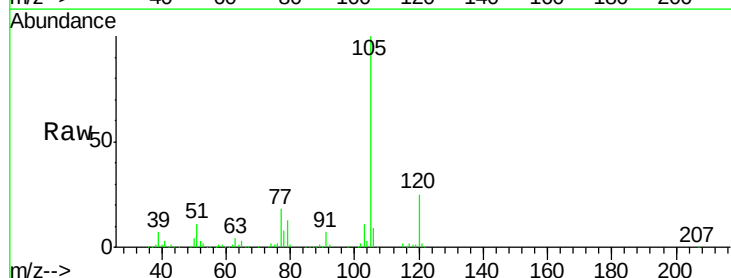
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

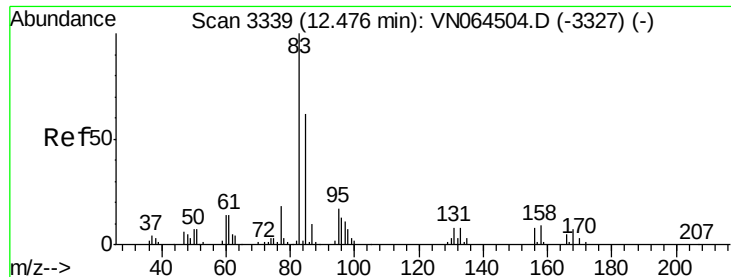
Tot Ion:104 Resp: 220457
Ion Ratio Lower Upper
104 100
78 54.7 44.4 66.6
103 54.5 44.6 67.0



#70
Isopropylbenzene
Concen: 19.848 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion:105 Resp: 344693
Ion Ratio Lower Upper
105 100
120 25.6 17.9 33.3

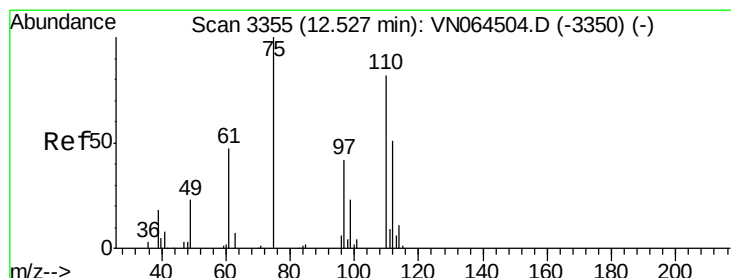
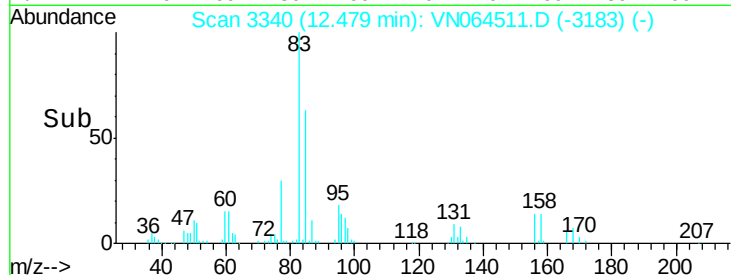
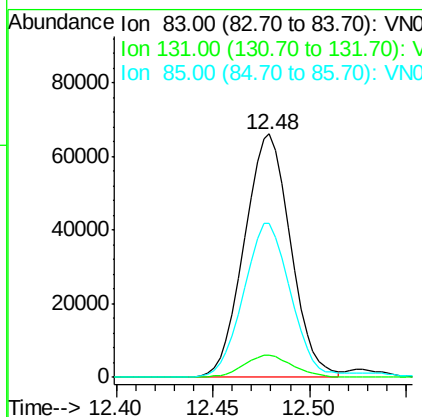
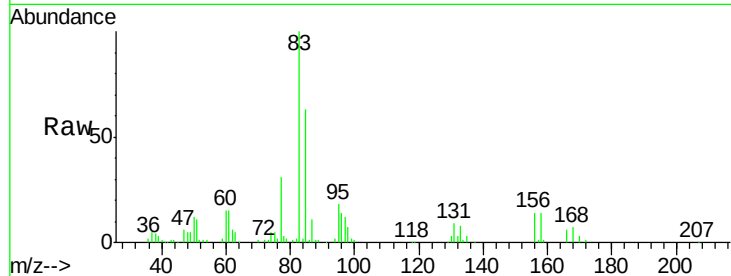




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.858 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

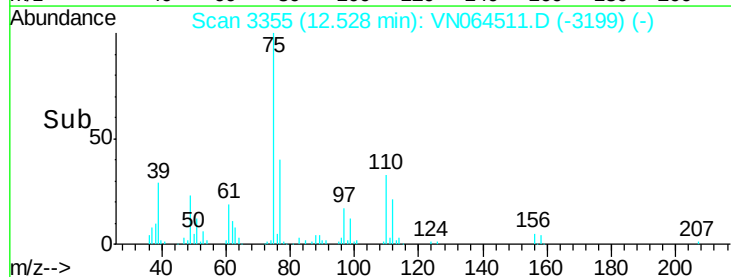
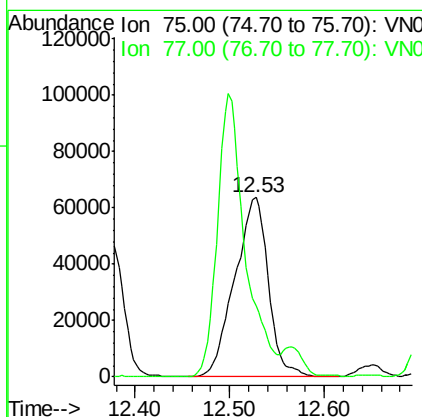
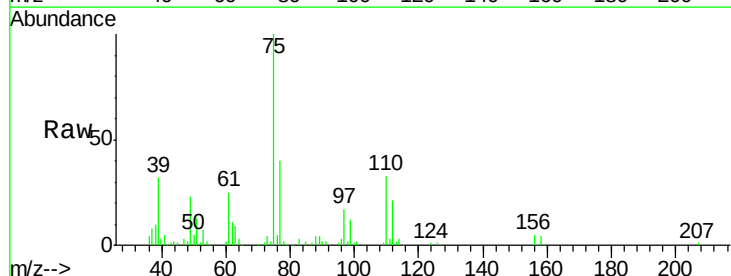
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

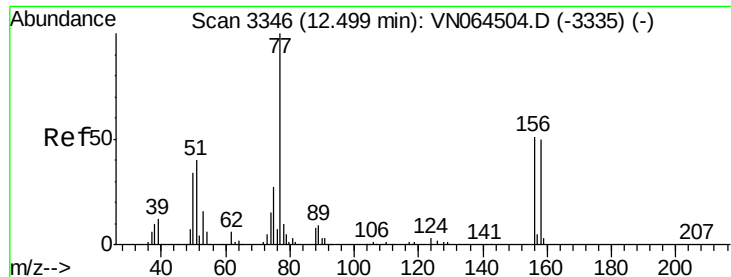
Tot Ion: 83 Resp: 110440
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.6 13.8
 85 64.4 31.4 94.0



#72
 1,2,3-Trichloropropane
 Concen: 28.126 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 75 Resp: 156004
 Ion Ratio Lower Upper
 75 100
 77 130.6 0.0 379.4

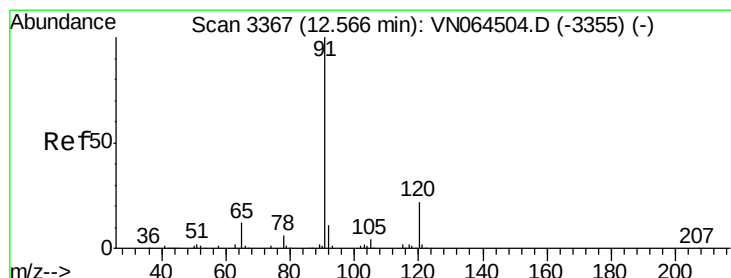
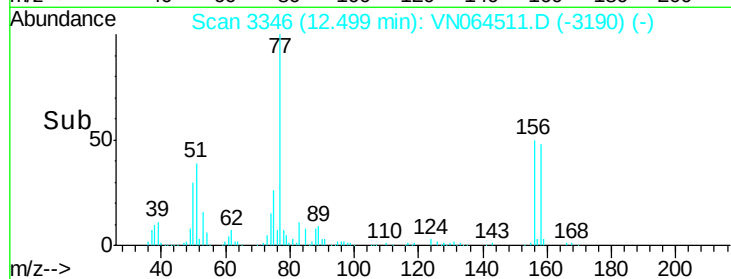
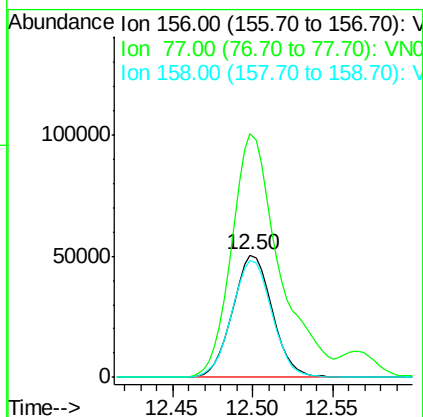
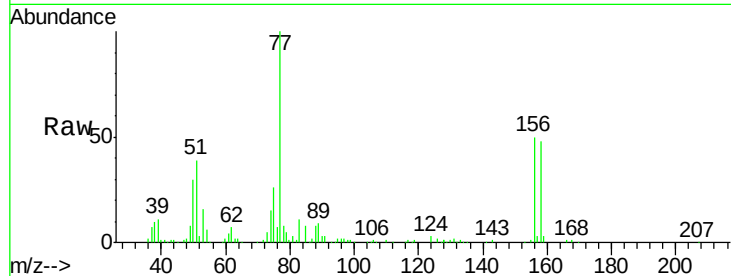




#73
Bromobenzene
Concen: 19.867 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

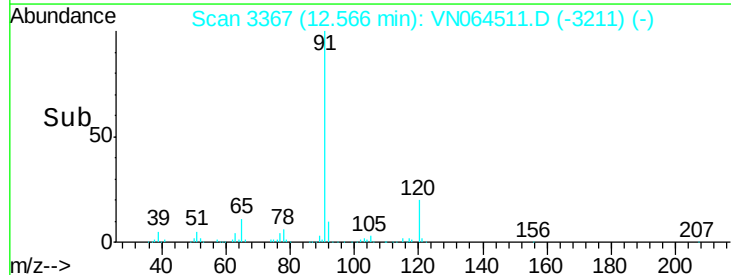
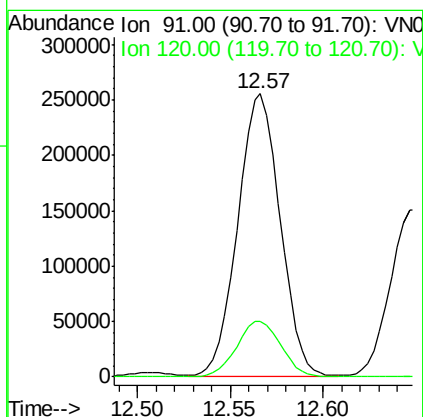
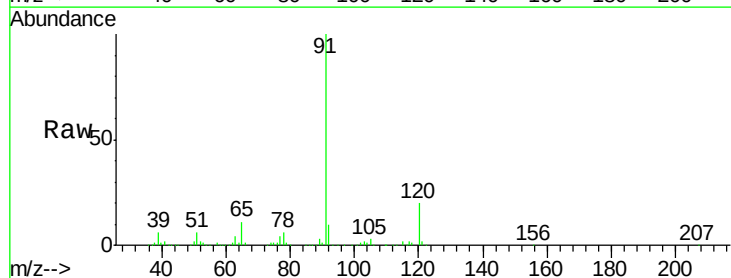
Instrument :
MSVOA_N
ClientSampled :
VN1109WBSD01

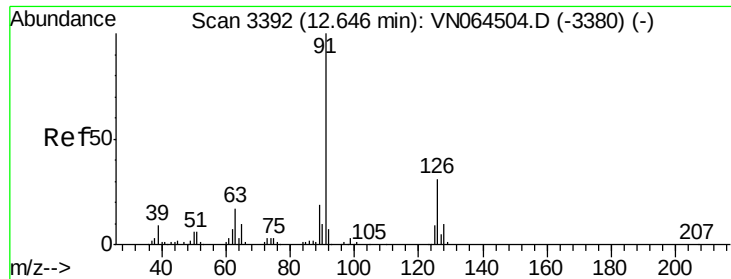
Tot Ion:156 Resp: 85350
Ion Ratio Lower Upper
156 100
77 238.7 0.0 480.2
158 96.7 0.0 194.0



#74
n-propylbenzene
Concen: 19.939 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion: 91 Resp: 407300
Ion Ratio Lower Upper
91 100
120 20.5 0.0 42.8





#75

2-Chlorotoluene

Concen: 19.689 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampled :

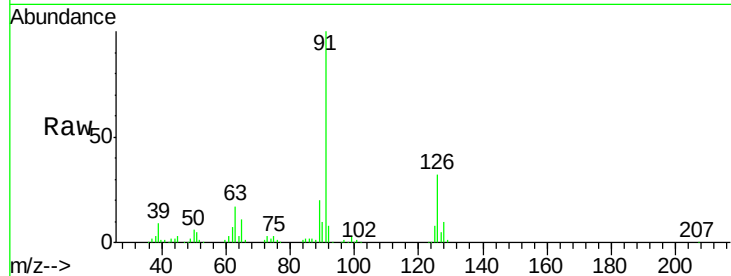
VN1109WBSD01

Tot Ion: 91 Resp: 252882

Ion Ratio Lower Upper

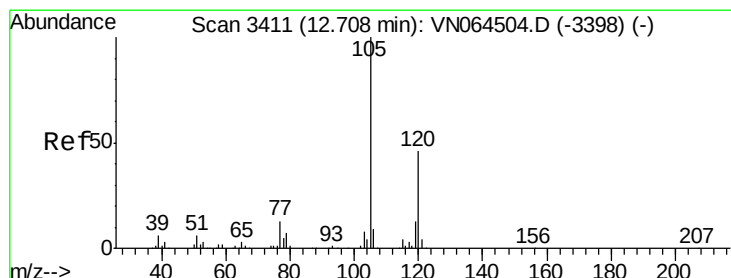
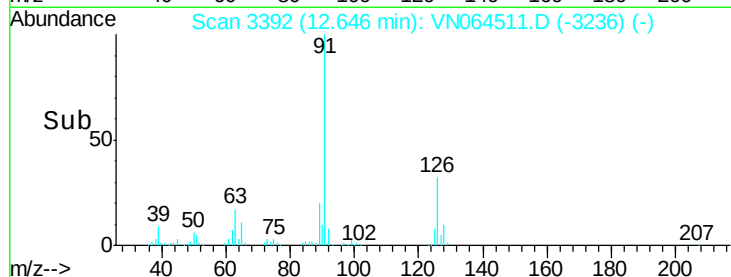
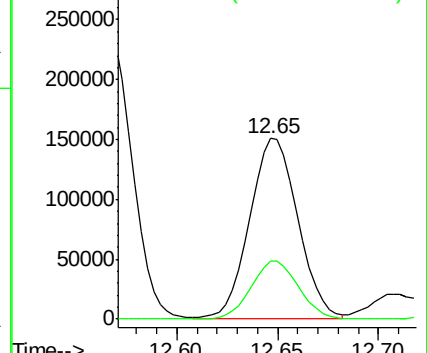
91 100

126 31.5 0.0 61.8



Abundance Ion 91.00 (90.70 to 91.70): VN064504.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN064504.D (-3380) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.820 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064511.D

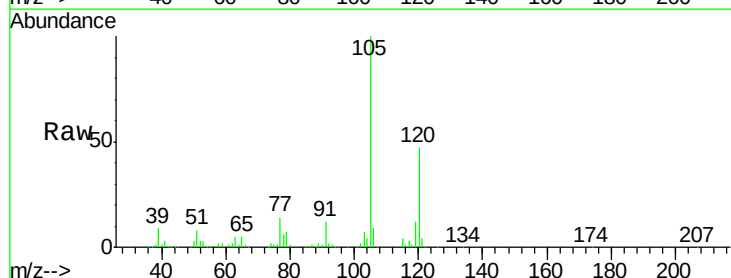
Acq: 9 Nov 2020 17:10

Tgt Ion: 105 Resp: 290566

Ion Ratio Lower Upper

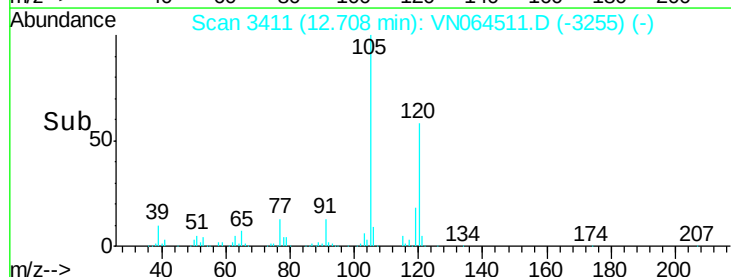
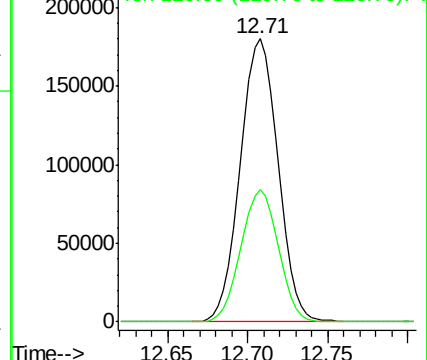
105 100

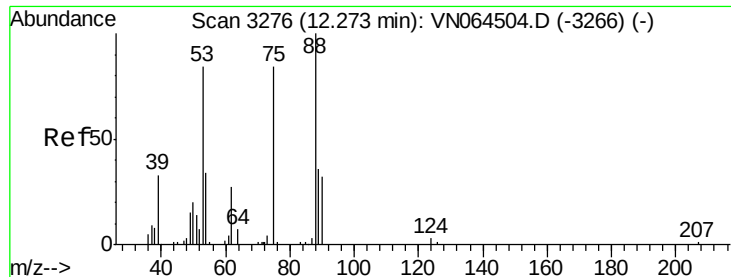
120 46.2 0.0 90.4



Abundance Ion 105.00 (104.70 to 105.70): VN064504.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN064504.D (-3398) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.246 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

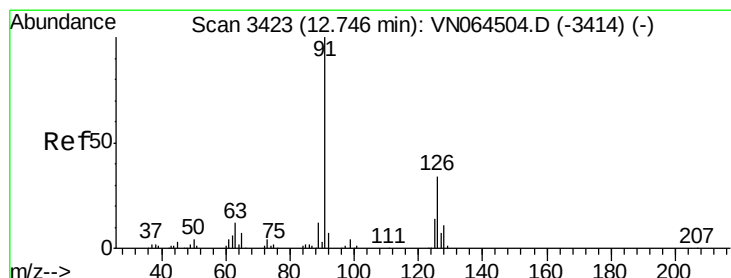
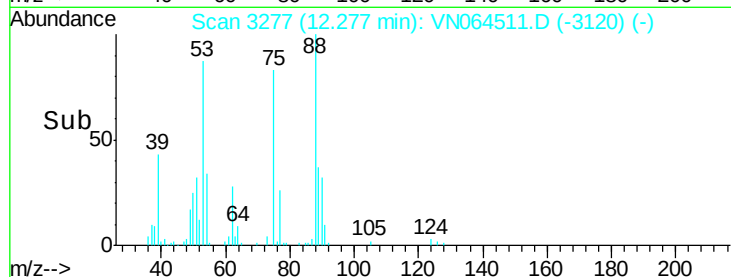
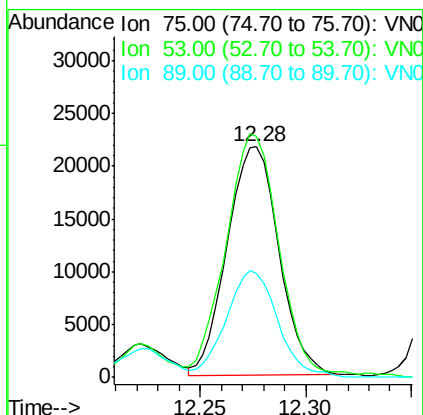
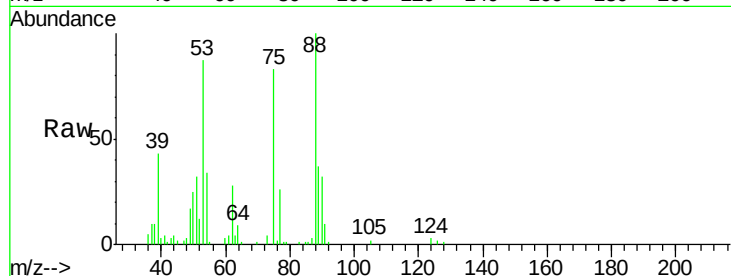
Tot Ion: 75 Resp: 36898

Ion Ratio Lower Upper

75 100

53 103.9 50.3 150.9

89 44.7 23.3 69.8



#78

4-Chlorotoluene

Concen: 19.324 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064511.D

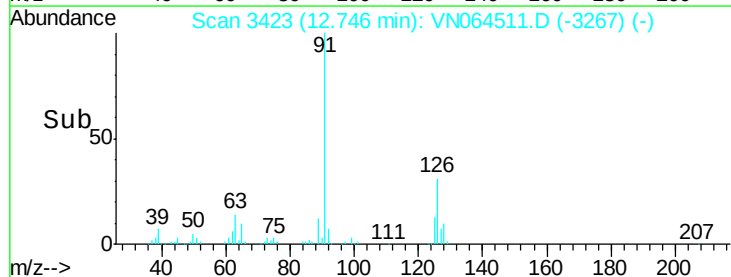
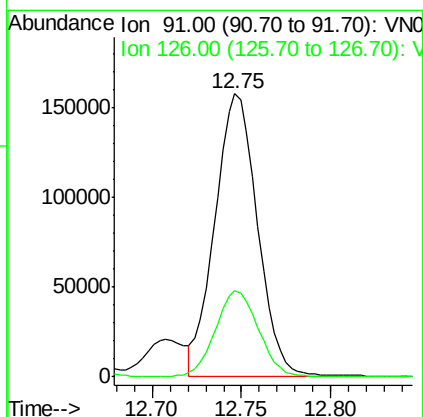
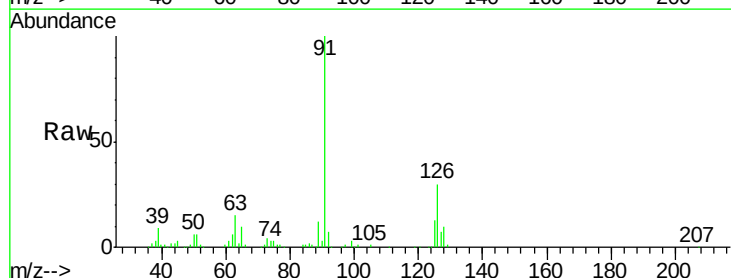
Acq: 9 Nov 2020 17:10

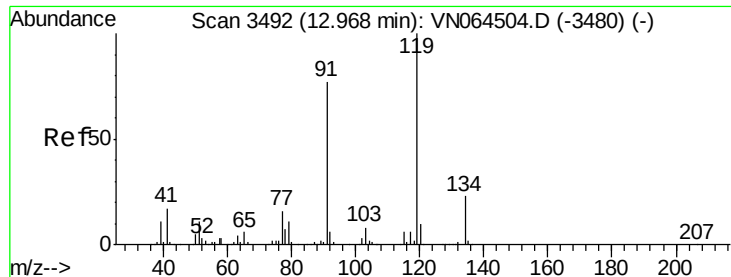
Tgt Ion: 91 Resp: 260784

Ion Ratio Lower Upper

91 100

126 31.0 0.0 61.8

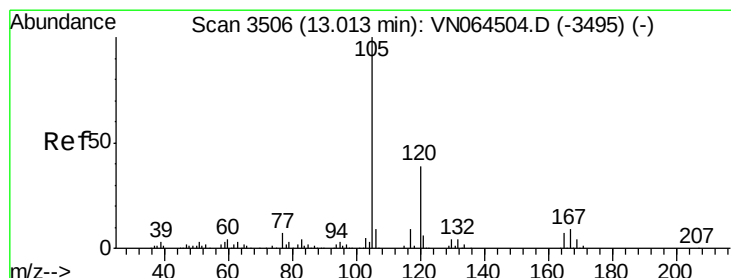
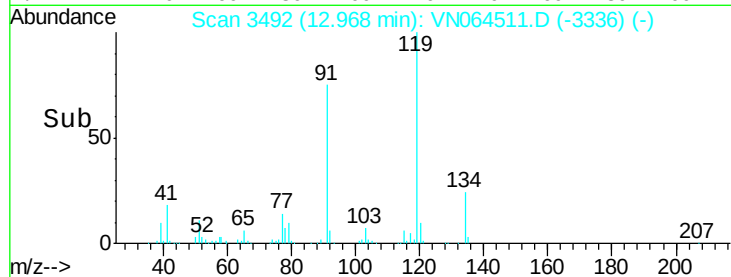
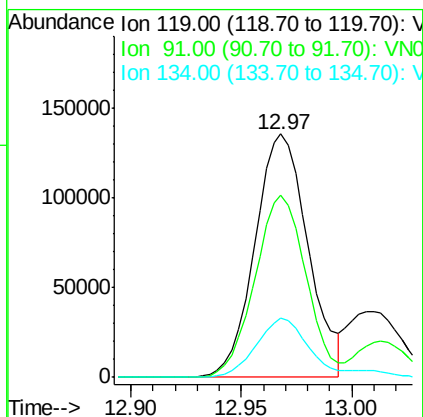
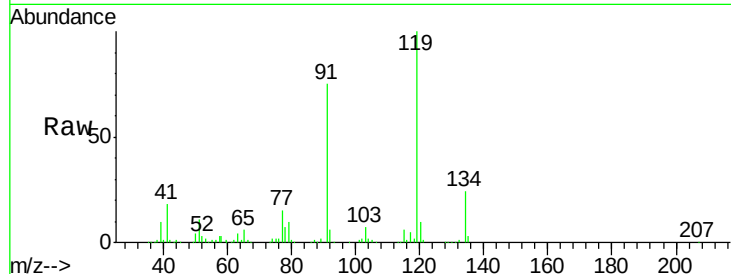




#79
tert-butylbenzene
Concen: 19.706 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

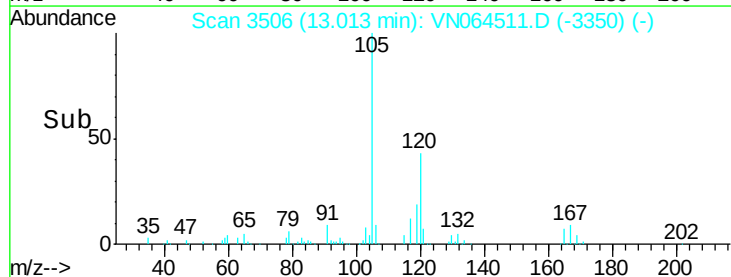
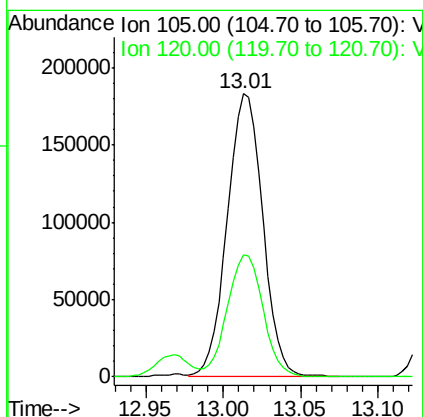
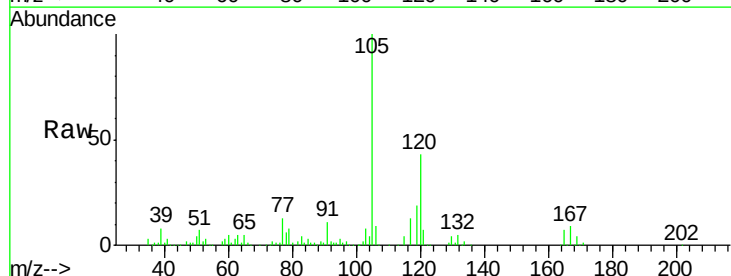
Instrument :
MSVOA_N
ClientSampled :
VN1109WBSD01

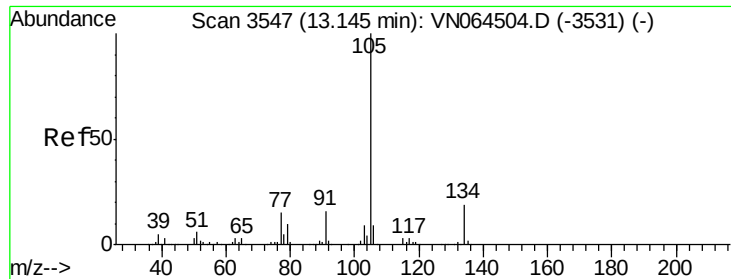
Tot Ion:119 Resp: 226716
Ion Ratio Lower Upper
119 100
91 71.7 0.0 147.8
134 23.7 0.0 50.6



#80
1,2,4-Trimethylbenzene
Concen: 19.757 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion:105 Resp: 291880
Ion Ratio Lower Upper
105 100
120 43.3 0.0 88.6





#81

sec-Butylbenzene

Concen: 19.350 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

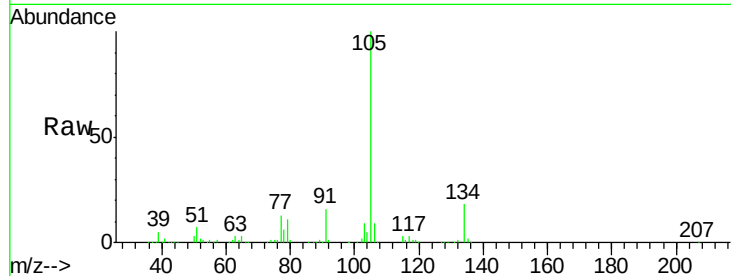
VN1109WBSD01

Tot Ion:105 Resp: 295110

Ion Ratio Lower Upper

105 100

134 18.1 0.0 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

200000

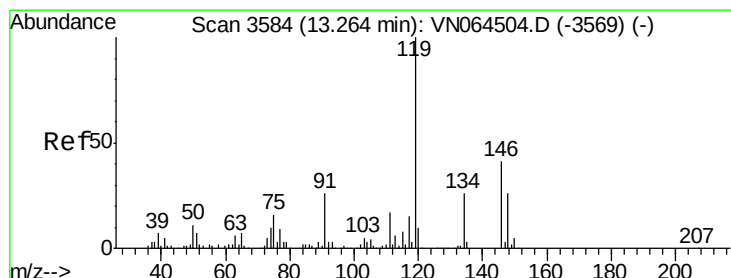
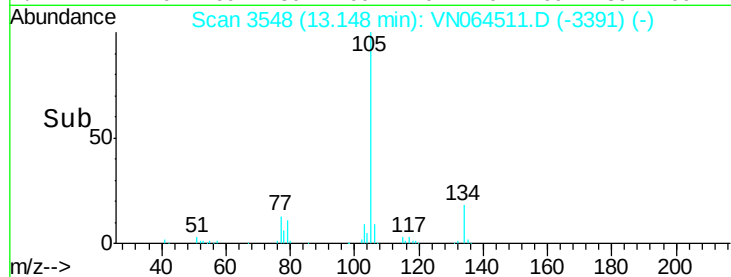
150000

100000

50000

0

Time--> 13.05 13.10 13.15 13.20



#82

p-Isopropyltoluene

Concen: 19.445 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

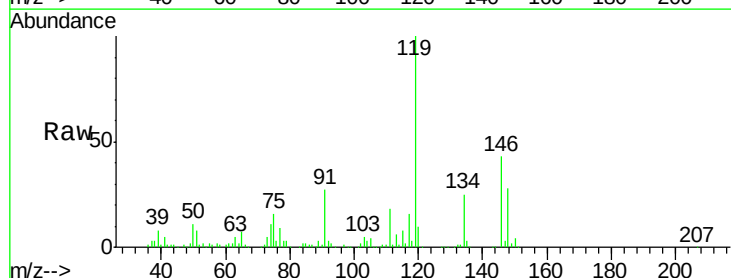
Tgt Ion:119 Resp: 264933

Ion Ratio Lower Upper

119 100

134 25.2 0.0 53.0

91 26.5 0.0 53.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

200000

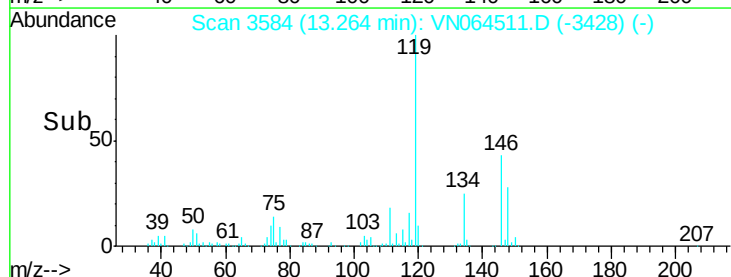
150000

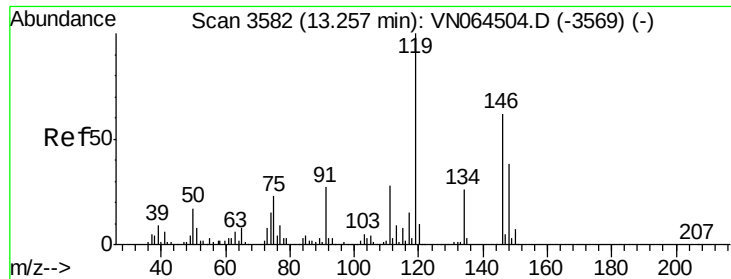
100000

50000

0

Time--> 13.20 13.25 13.30

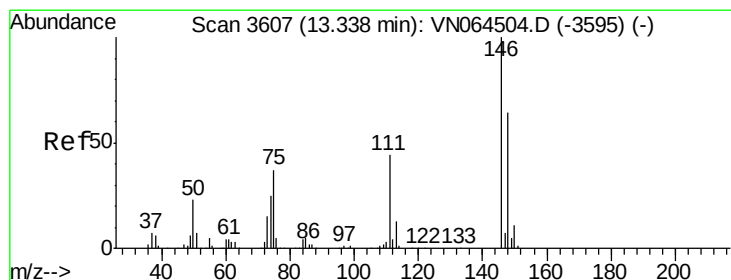
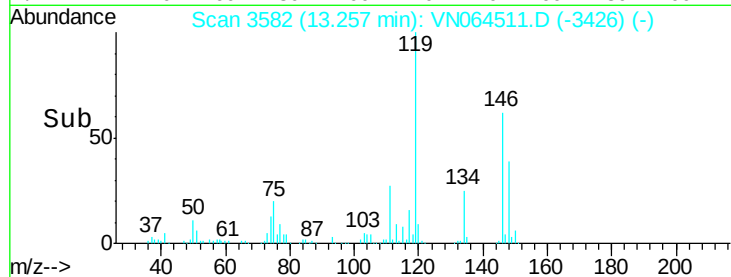
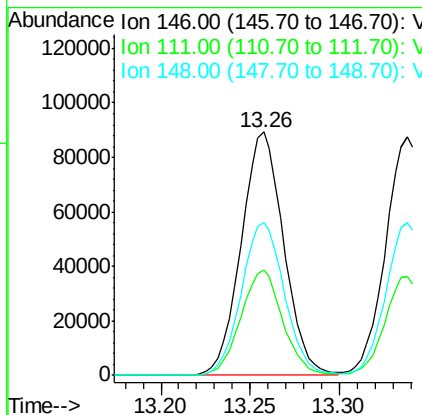
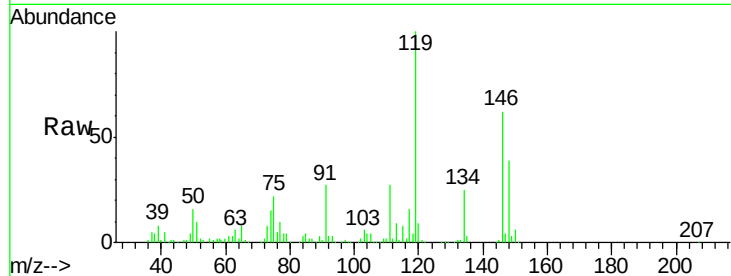




#83
 1,3-Dichlorobenzene
 Concen: 19.752 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

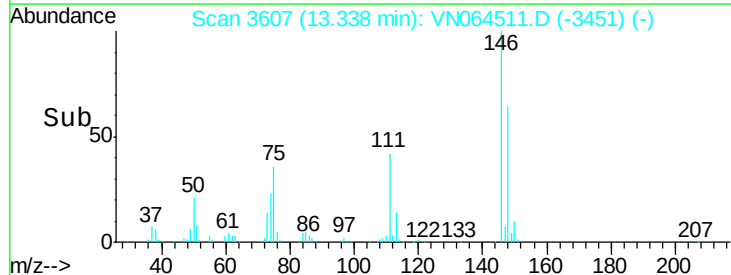
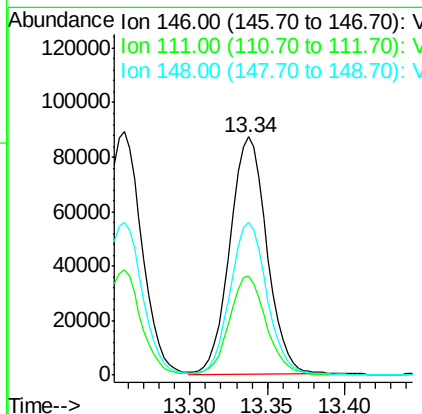
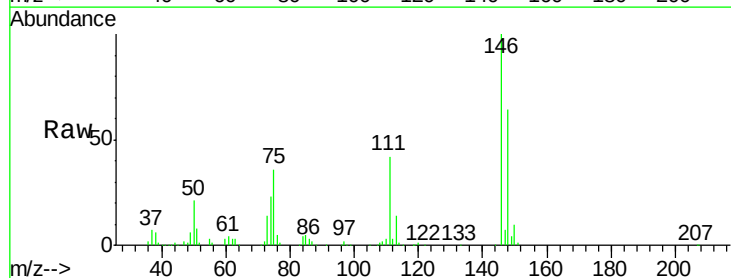
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

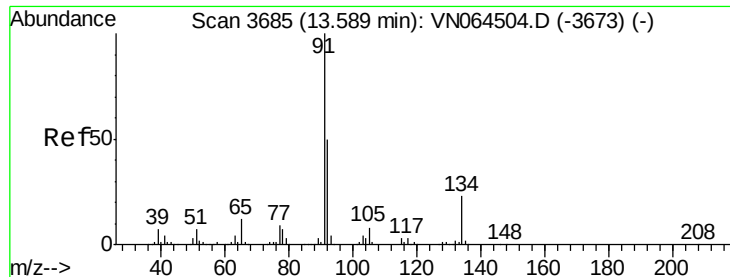
Tot Ion:146 Resp: 149278
 Ion Ratio Lower Upper
 146 100
 111 42.4 22.3 66.9
 148 63.6 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 19.144 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion:146 Resp: 143899
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.8 65.4
 148 64.5 31.5 94.5





#85

n-Butylbenzene

Concen: 18.303 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampled :

VN1109WBSD01

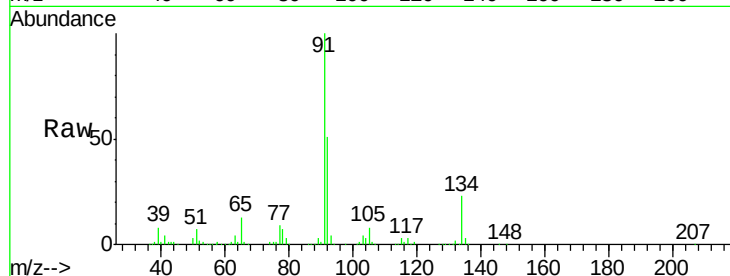
Tot Ion: 91 Resp: 216198

Ion Ratio Lower Upper

91 100

92 50.5 0.0 101.4

134 23.6 0.0 45.2

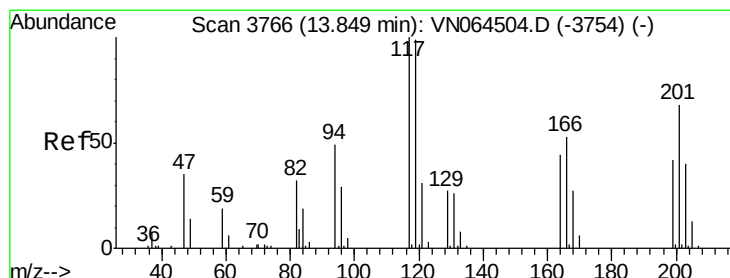
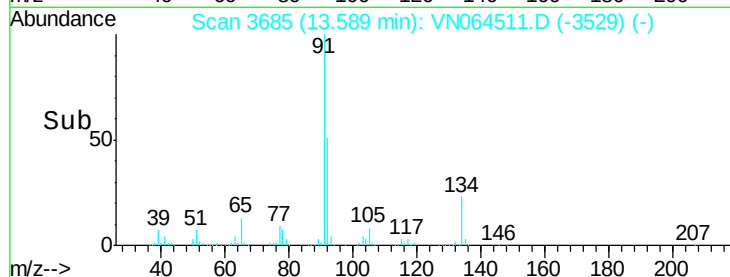


Abundance Ion 91.00 (90.70 to 91.70): VN064504.D (-3673) (-)

Ion 92.00 (91.70 to 92.70): VN064504.D (-3673) (-)

Ion 134.00 (133.70 to 134.70): VN064504.D (-3673) (-)

Time-->



#86

Hexachloroethane

Concen: 18.975 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064511.D

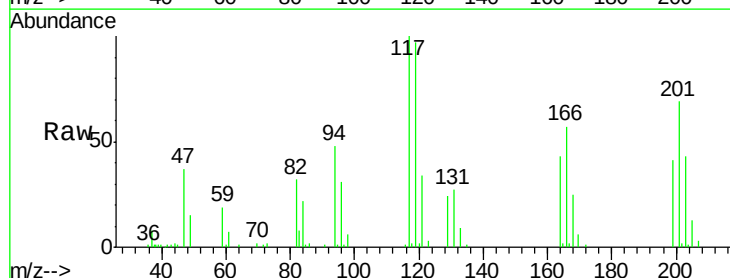
Acq: 9 Nov 2020 17:10

Tgt Ion: 117 Resp: 51515

Ion Ratio Lower Upper

117 100

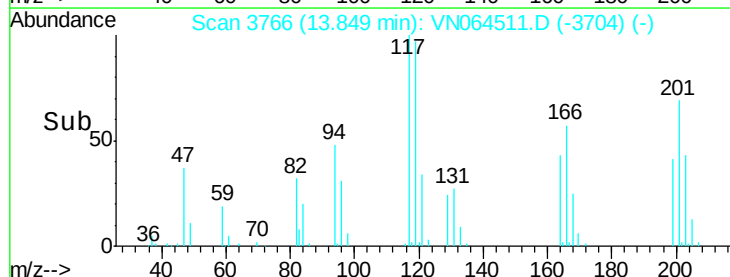
201 68.3 33.1 99.3

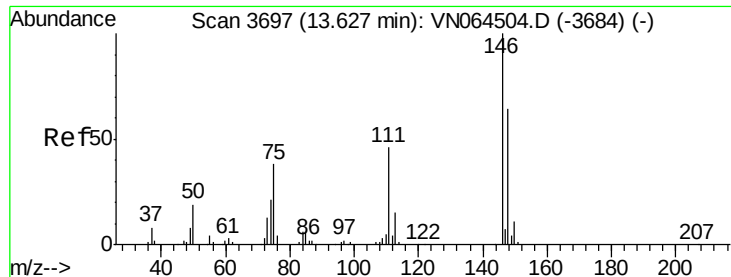


Abundance Ion 117.00 (116.70 to 117.70): VN064504.D (-3754) (-)

Ion 201.00 (200.70 to 201.70): VN064504.D (-3754) (-)

Time-->

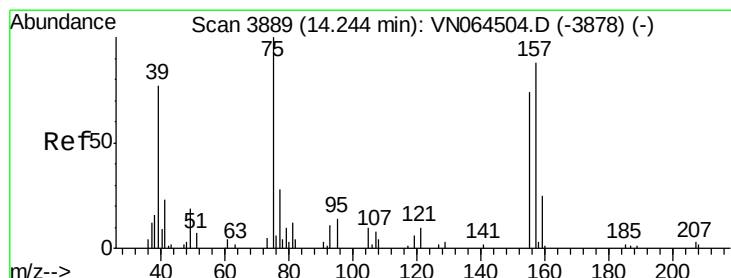
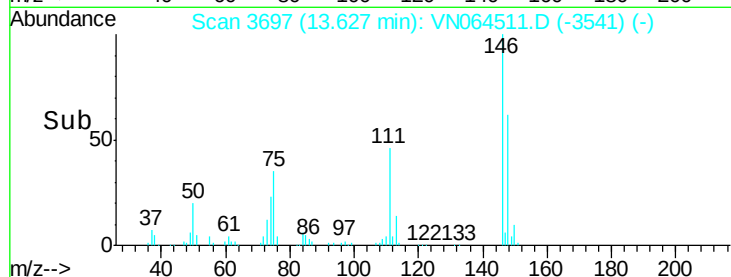
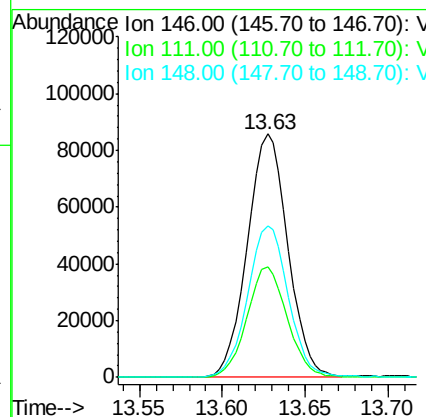
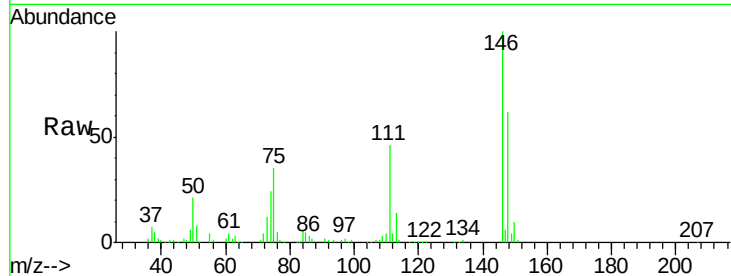




#87
 1,2-Dichlorobenzene
 Concen: 19.802 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

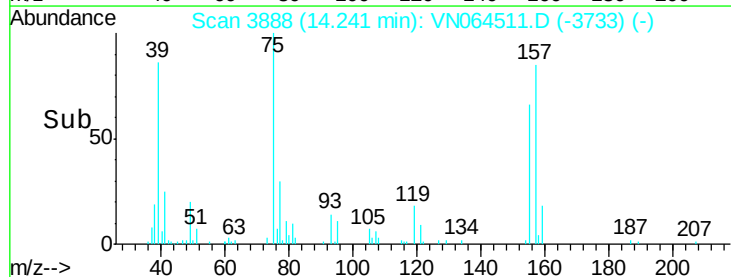
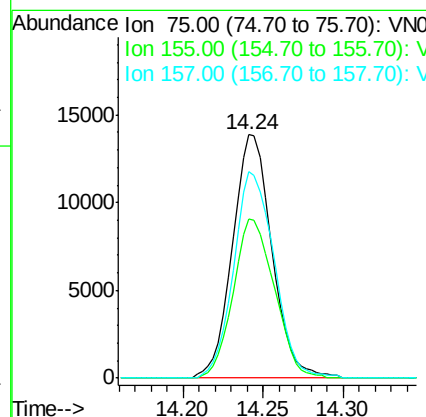
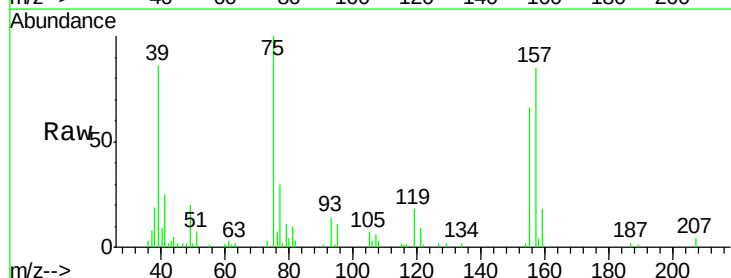
Instrument :
 MSVOA_N
 ClientSampled :
 VN1109WBSD01

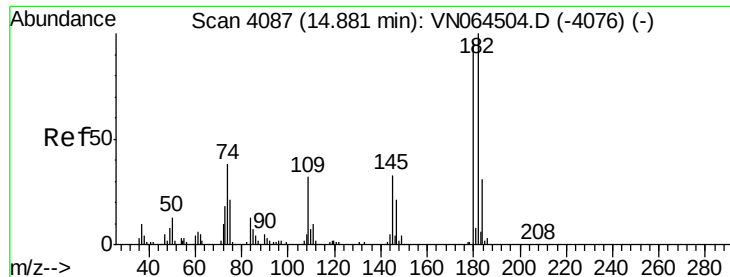
Tot Ion:146 Resp: 145762
 Ion Ratio Lower Upper
 146 100
 111 45.1 23.1 69.2
 148 62.3 32.6 97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.441 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 75 Resp: 23359
 Ion Ratio Lower Upper
 75 100
 155 67.9 56.5 84.7
 157 87.1 69.7 104.5

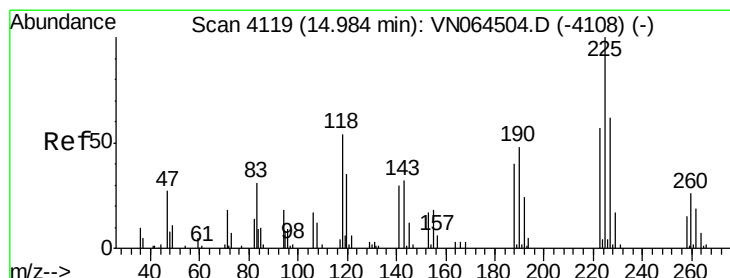
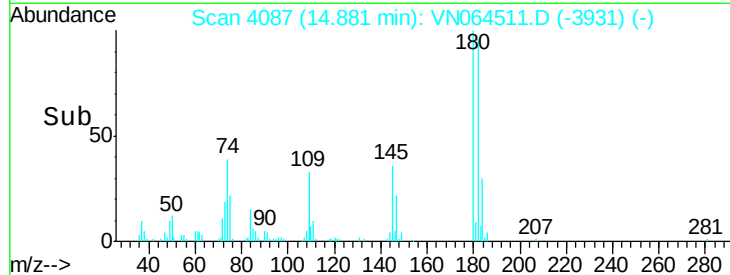
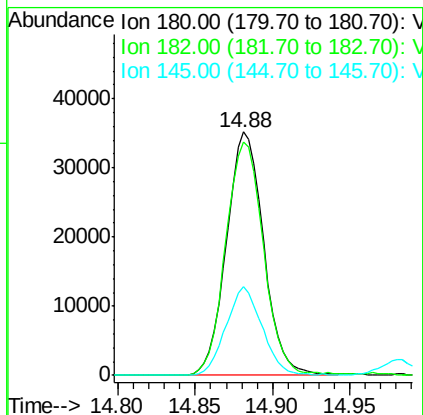
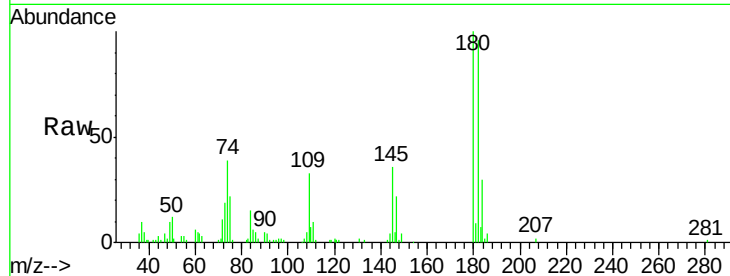




#89
 1,2,4-Trichlorobenzene
 Concen: 17.526 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

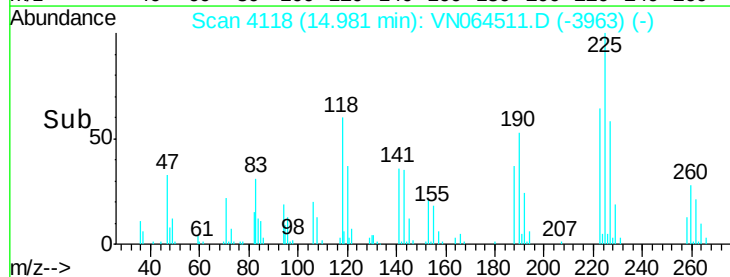
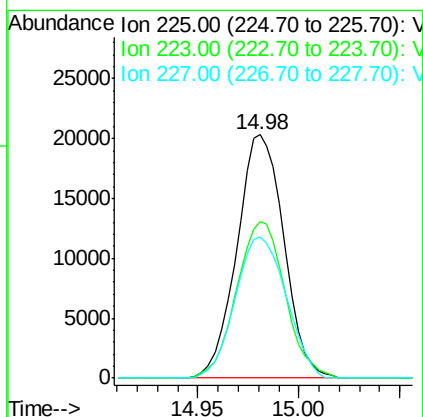
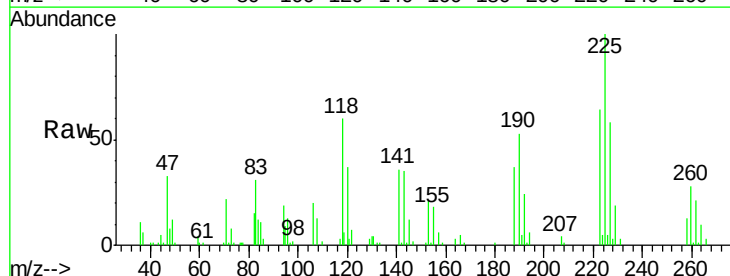
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

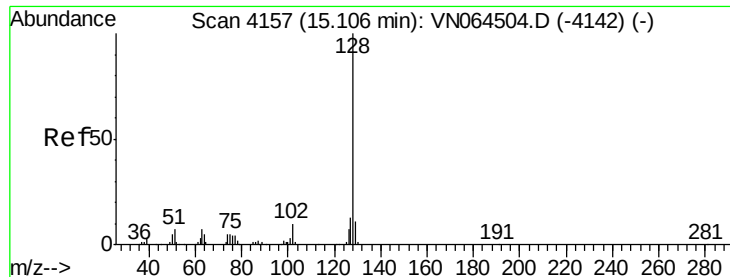
Tot Ion:180 Resp: 58574
 Ion Ratio Lower Upper
 180 100
 182 97.3 79.4 119.0
 145 35.4 27.6 41.4



#90
 Hexachlorobutadiene
 Concen: 19.918 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion:225 Resp: 33156
 Ion Ratio Lower Upper
 225 100
 223 66.5 0.0 125.4
 227 62.7 0.0 122.0





#91

Naphthalene

Concen: 16.970 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampled :

VN1109WBSD01

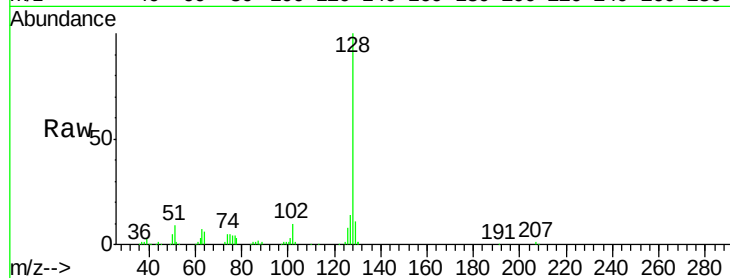
Tot Ion:128 Resp: 187620

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

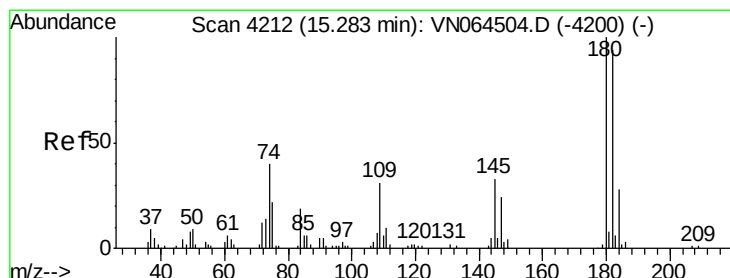
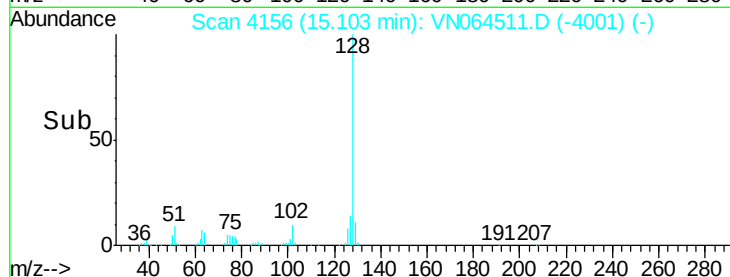
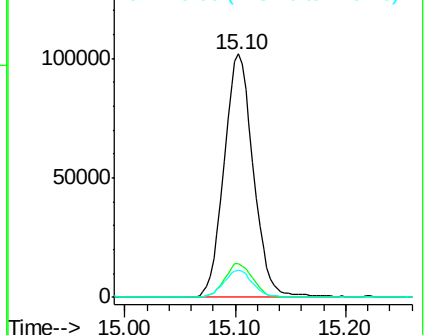
129 11.1 8.5 12.7



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: 18.546 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

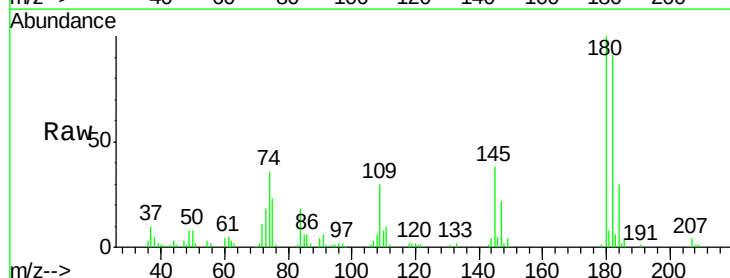
Tgt Ion:180 Resp: 62728

Ion Ratio Lower Upper

180 100

182 93.7 0.0 186.0

145 34.6 0.0 69.6



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

