

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064912.D
 Acq On : 4 Dec 2020 12:28
 Operator : JC/MD
 Sample : VN1204WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Quant Time: Dec 05 01:24:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	245630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	374138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	337640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161961	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	138286	48.43	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.86%
35) Dibromofluoromethane	7.55	113	121620	54.33	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.66%
50) Toluene-d8	10.06	98	471237	51.52	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.04%
62) 4-Bromofluorobenzene	12.37	95	167715	51.23	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.46%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	33134	15.565	ug/l 96
3) Chloromethane	2.04	50	43366	15.676	ug/l 98
4) Vinyl Chloride	2.17	62	46684	16.186	ug/l 99
5) Bromomethane	2.53	94	32362	17.102	ug/l 96
6) Chloroethane	2.67	64	30430	17.058	ug/l 95
7) Trichlorofluoromethane	2.99	101	69807	17.509	ug/l 95
8) Diethyl Ether	3.37	74	27847	17.695	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	44453	18.587	ug/l 98
10) Methyl Iodide	3.90	142	48156	15.523	ug/l 99
11) Tert butyl alcohol	4.74	59	35113	78.845	ug/l 100
12) 1,1-Dichloroethene	3.69	96	41445	17.400	ug/l 98
13) Acrolein	3.56	56	14355	52.772	ug/l 98
14) Allyl chloride	4.27	41	67525	17.188	ug/l 98
15) Acrylonitrile	4.93	53	104966	85.320	ug/l 100
16) Acetone	3.78	43	75840	80.791	ug/l 96
17) Carbon Disulfide	4.01	76	98837	16.075	ug/l 99
18) Methyl Acetate	4.28	43	49188	17.428	ug/l 99
19) Methyl tert-butyl Ether	4.99	73	134586	17.618	ug/l 96
20) Methylene Chloride	4.50	84	50722	17.243	ug/l 98
21) trans-1,2-Dichloroethene	4.98	96	45700	17.277	ug/l 98
22) Diisopropyl ether	5.90	45	144578	18.387	ug/l 97
23) Vinyl Acetate	5.84	43	553528	88.029	ug/l 100
24) 1,1-Dichloroethane	5.79	63	84625	18.008	ug/l 99
25) 2-Butanone	6.78	43	130081	85.483	ug/l 98
26) 2,2-Dichloropropane	6.78	77	72952	17.899	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	52610	17.676	ug/l 100
28) Bromochloromethane	7.15	49	42938	19.973	ug/l 97
29) Tetrahydrofuran	7.17	42	86776	82.610	ug/l 98
30) Chloroform	7.33	83	87208	17.995	ug/l 100
31) Cyclohexane	7.61	56	67717	17.014	ug/l 94
32) 1,1,1-Trichloroethane	7.52	97	77286	18.568	ug/l 97
36) 1,1-Dichloropropene	7.75	75	63167	18.215	ug/l 99
37) Ethyl Acetate	6.88	43	55886	16.730	ug/l 99
38) Carbon Tetrachloride	7.73	117	66221	18.352	ug/l 99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	62303	16.689	ug/l	99
40) Benzene	8.00	78	192509	18.115	ug/l	96
41) Methacrylonitrile	7.12	41	25384	16.468	ug/l	94
42) 1,2-Dichloroethane	8.08	62	64727	18.055	ug/l	99
43) Isopropyl Acetate	8.12	43	92662	17.238	ug/l	100
44) Trichloroethene	8.80	130	55263	17.625	ug/l	99
45) 1,2-Dichloropropane	9.08	63	50629	18.397	ug/l	99
46) Dibromomethane	9.17	93	33713	18.337	ug/l	99
47) Bromodichloromethane	9.37	83	67370	18.211	ug/l	99
48) Methyl methacrylate	9.16	41	44335	17.261	ug/l	99
49) 1,4-Dioxane	9.16	88	16225	334.224	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	282224	87.456	ug/l	99
52) Toluene	10.12	92	121221	18.523	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	72733	17.652	ug/l	97
54) cis-1,3-Dichloropropene	9.80	75	82565	18.695	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	49876	18.533	ug/l	96
56) Ethyl methacrylate	10.40	69	66616	17.938	ug/l	98
57) 1,3-Dichloropropane	10.68	76	81500	18.359	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	177366	86.826	ug/l	99
59) 2-Hexanone	10.72	43	203973	87.827	ug/l	100
60) Dibromochloromethane	10.87	129	55199	18.452	ug/l	98
61) 1,2-Dibromoethane	10.97	107	49998	18.287	ug/l	98
64) Tetrachloroethene	10.60	164	59862	18.223	ug/l	97
65) Chlorobenzene	11.41	112	135373	18.670	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	50871	19.091	ug/l	98
67) Ethyl Benzene	11.48	91	223394	18.443	ug/l	99
68) m/p-Xylenes	11.59	106	177097	38.617	ug/l	98
69) o-Xylene	11.92	106	82378	18.929	ug/l	99
70) Styrene	11.94	104	143018	19.467	ug/l	98
71) Bromoform	12.10	173	37684	17.706	ug/l #	100
73) Isopropylbenzene	12.22	105	218955	19.436	ug/l	99
74) N-amyl acetate	12.04	43	76766	17.315	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	60682	18.378	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	86827	24.893	ug/l #	100
77) Bromobenzene	12.50	156	58357	19.214	ug/l	98
78) n-propylbenzene	12.56	91	245271	19.112	ug/l	98
79) 2-Chlorotoluene	12.65	91	148614	18.734	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	186670	19.935	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	22183	17.431	ug/l	93
82) 4-Chlorotoluene	12.75	91	160394	19.289	ug/l	100
83) tert-Butylbenzene	12.97	119	153819	19.598	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	190209	20.091	ug/l	99
85) sec-Butylbenzene	13.14	105	202390	19.421	ug/l	99
86) p-Isopropyltoluene	13.26	119	182633	19.250	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	101659	18.840	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	102876	18.028	ug/l	98
89) n-Butylbenzene	13.59	91	150235	18.031	ug/l	99
90) Hexachloroethane	13.85	117	32650	19.810	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	100242	18.920	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	11624	15.645	ug/l	94

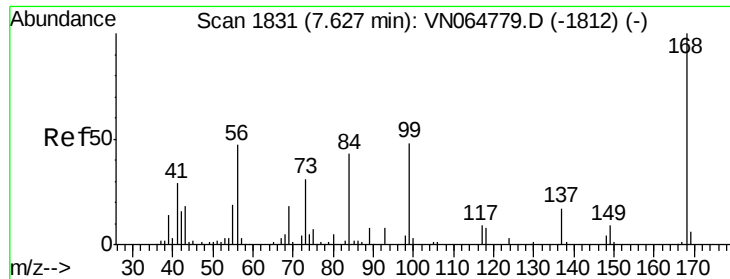
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	54037	16.487	ug/l	100
94) Hexachlorobutadiene	14.98	225	27299	18.731	ug/l	97
95) Naphthalene	15.10	128	149453	15.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	49762	16.924	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

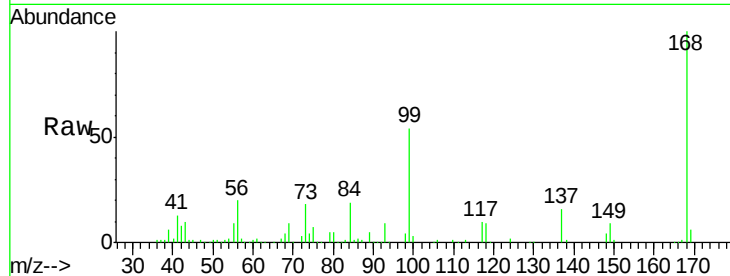
VN1204WBS01

Tot Ion:168 Resp: 245630

Ion Ratio Lower Upper

168 100

99 53.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064912.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN064912.D (-1738) (-)

7.62

100000

80000

60000

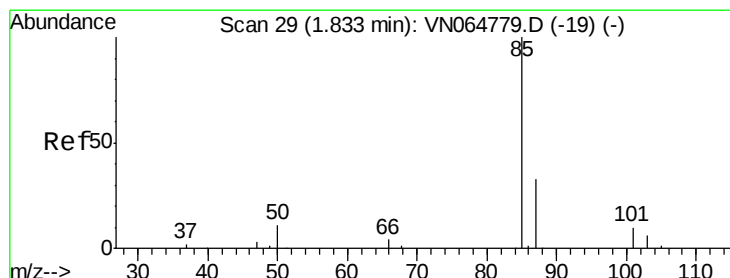
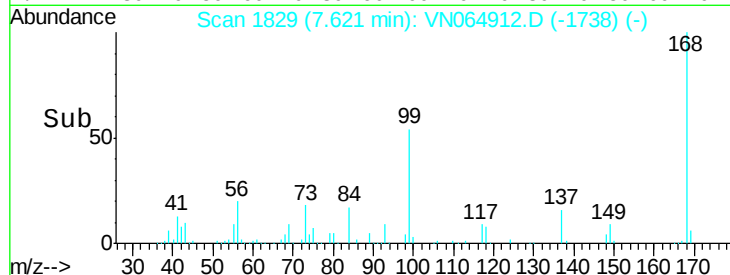
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.565 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064912.D

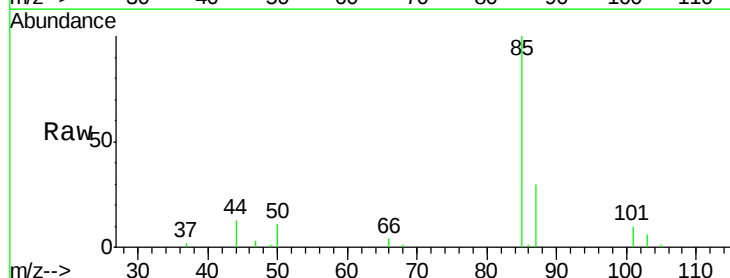
Acq: 4 Dec 2020 12:28

Tgt Ion: 85 Resp: 33134

Ion Ratio Lower Upper

85 100

87 30.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN064912.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN064912.D (-1) (-)

1.83

30000

25000

20000

15000

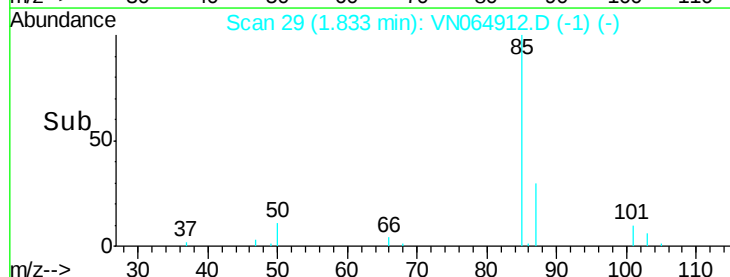
10000

5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 15.676 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

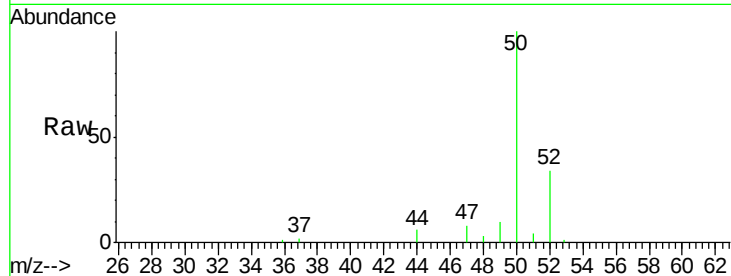
VN1204WBS01

Tot Ion: 50 Resp: 43366

Ion Ratio Lower Upper

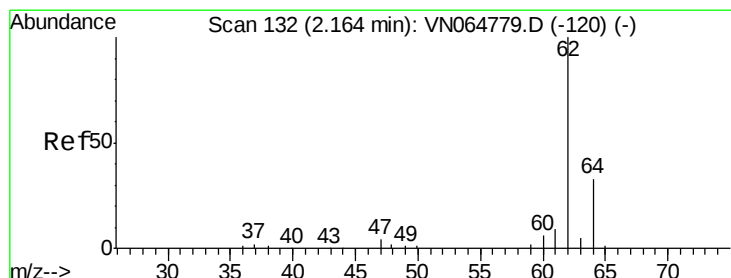
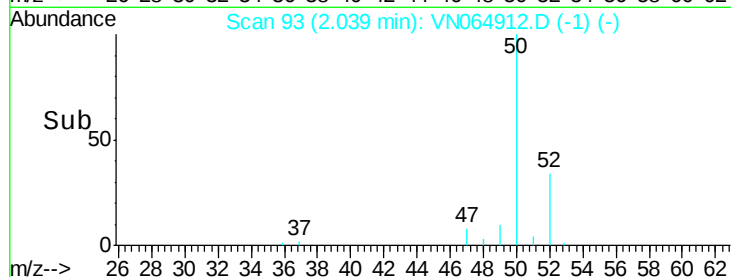
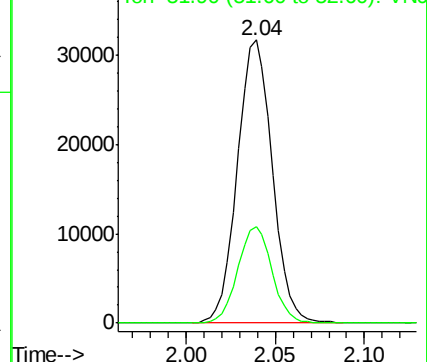
50 100

52 34.2 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.186 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064912.D

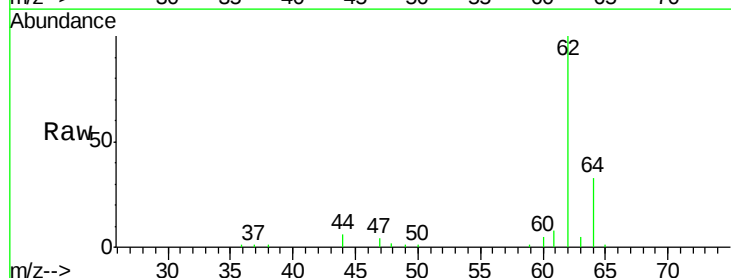
Acq: 4 Dec 2020 12:28

Tgt Ion: 62 Resp: 46684

Ion Ratio Lower Upper

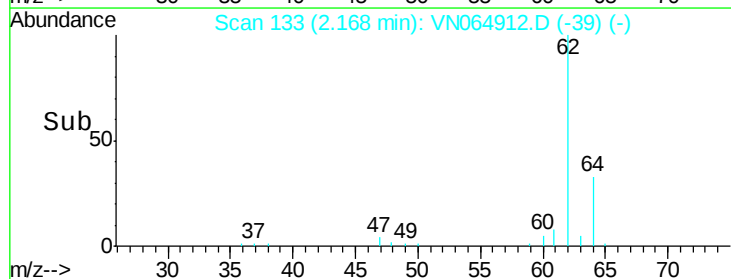
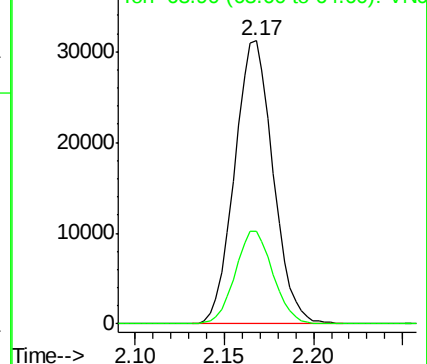
62 100

64 32.6 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.102 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

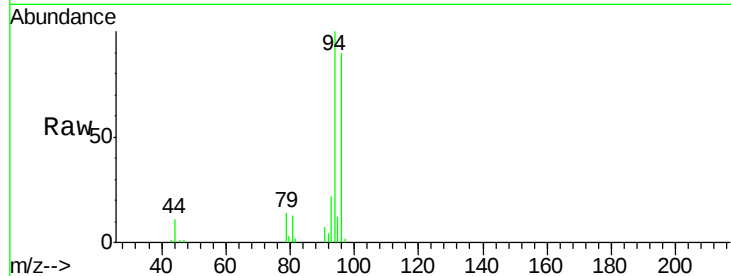
VN1204WBS01

Tot Ion: 94 Resp: 32362

Ion Ratio Lower Upper

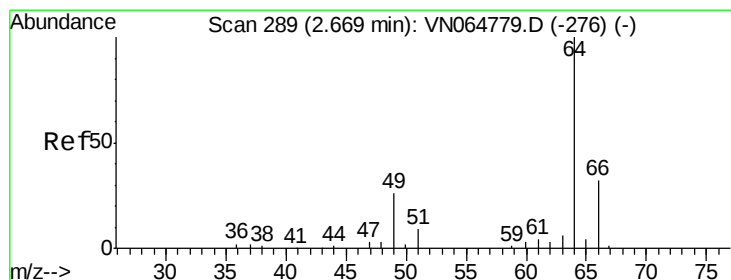
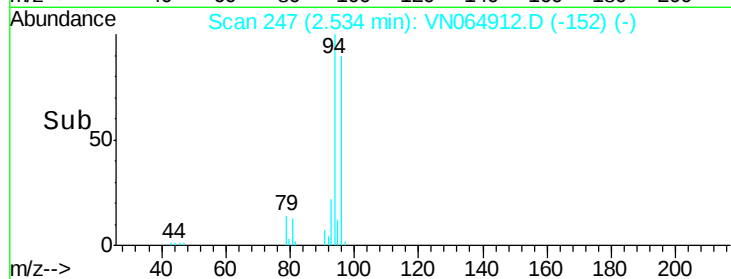
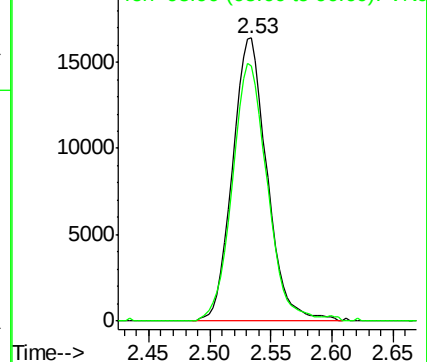
94 100

96 90.0 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.058 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064912.D

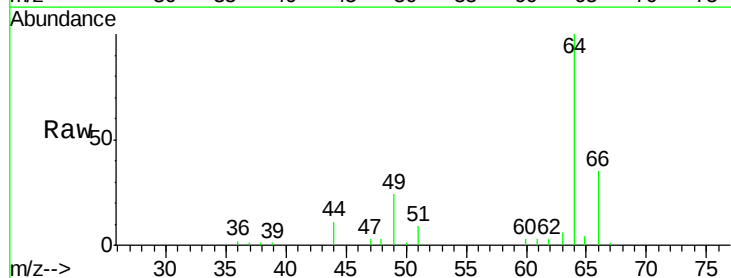
Acq: 4 Dec 2020 12:28

Tgt Ion: 64 Resp: 30430

Ion Ratio Lower Upper

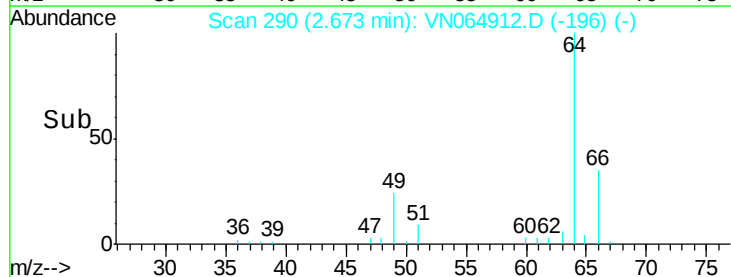
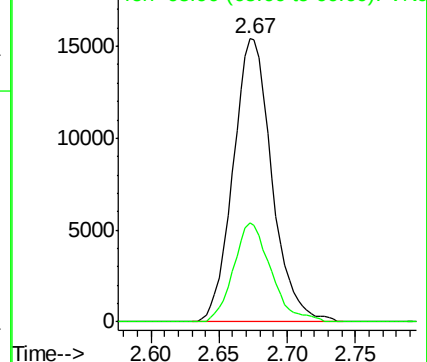
64 100

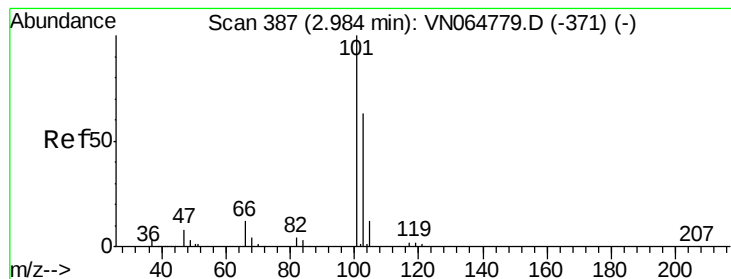
66 34.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



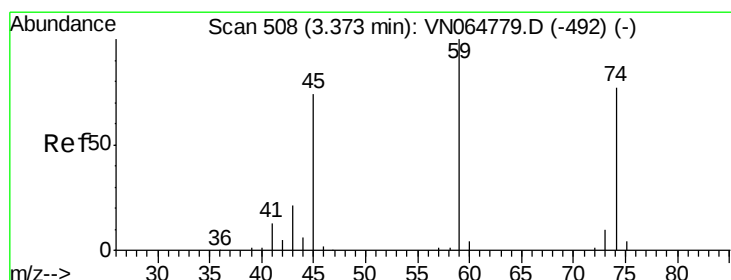
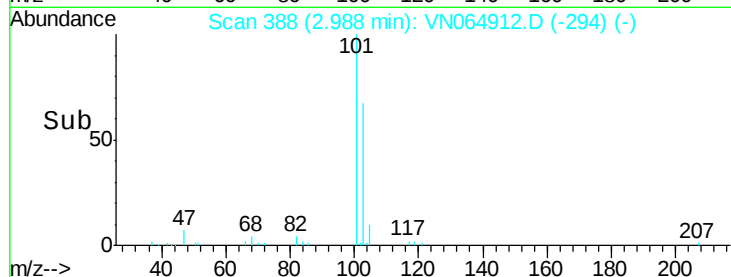
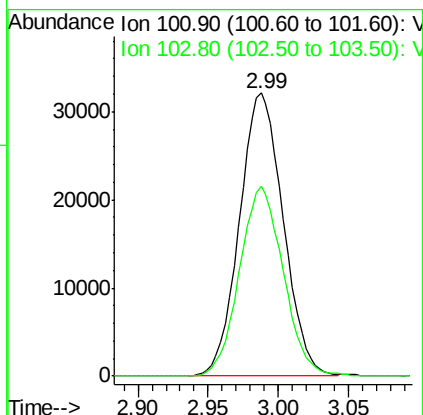
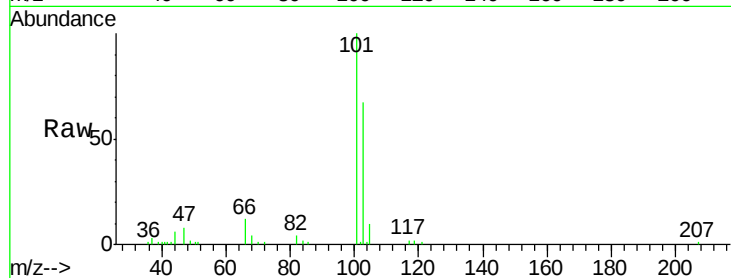


#7

Trichlorofluoromethane
Concen: 17.509 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
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ClientSampleId :
VN1204WBS01

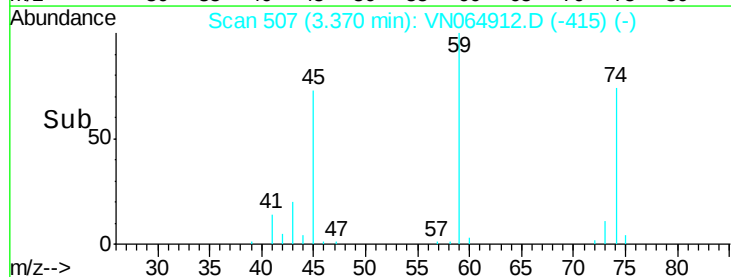
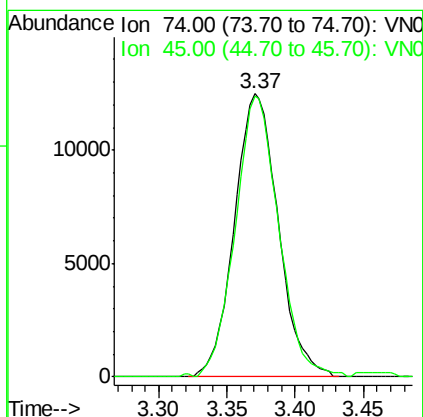
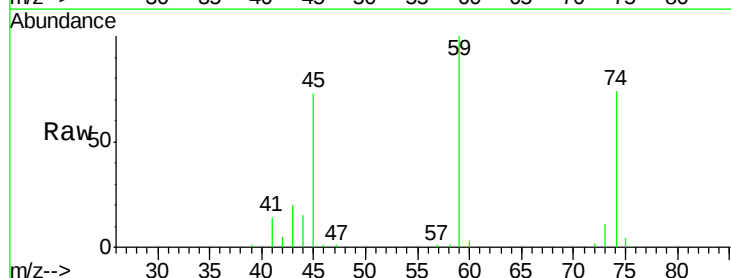
Tot Ion:101 Resp: 69807
Ion Ratio Lower Upper
101 100
103 67.1 50.5 75.7

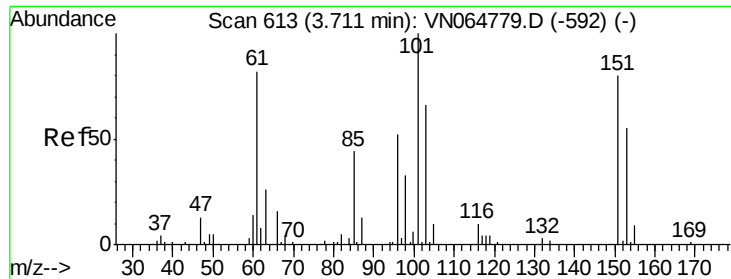


#8

Diethyl Ether
Concen: 17.695 ug/l
RT: 3.37 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 74 Resp: 27847
Ion Ratio Lower Upper
74 100
45 97.9 48.9 146.8

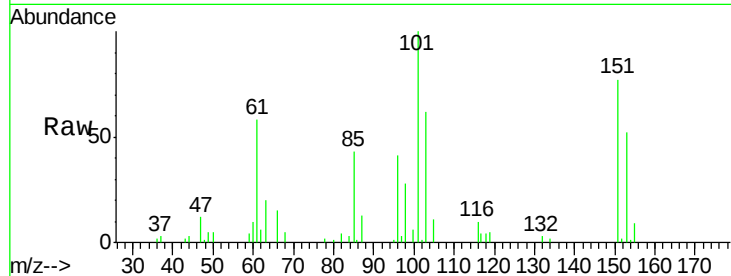




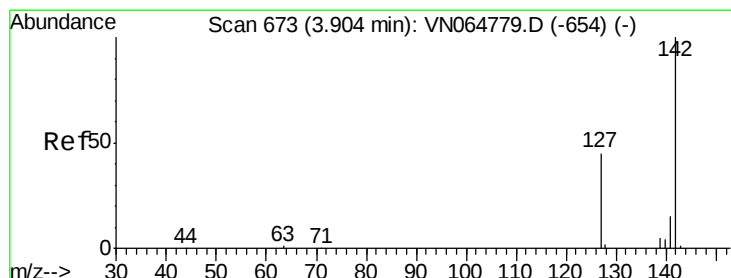
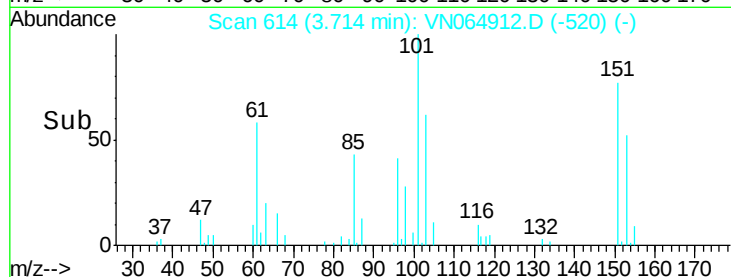
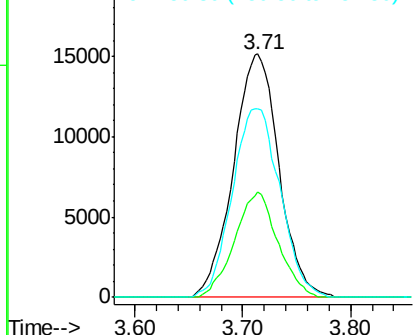
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.587 ug/l
 RT: 3.71 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion:101 Resp: 44453
 Ion Ratio Lower Upper
 101 100
 85 41.1 34.4 51.6
 151 81.5 64.0 96.0

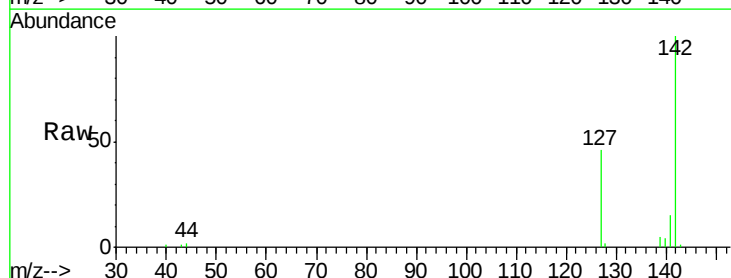


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

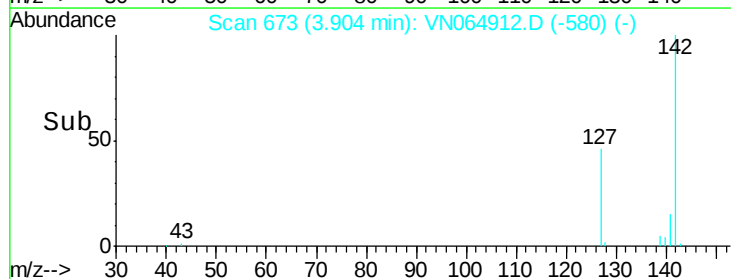
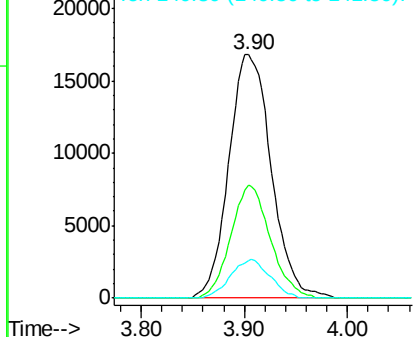


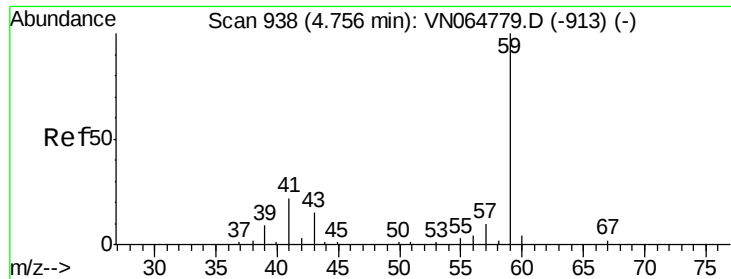
#10
 Methyl Iodide
 Concen: 15.523 ug/l
 RT: 3.90 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion:142 Resp: 48156
 Ion Ratio Lower Upper
 142 100
 127 43.1 35.0 52.6
 141 14.7 11.8 17.6



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V

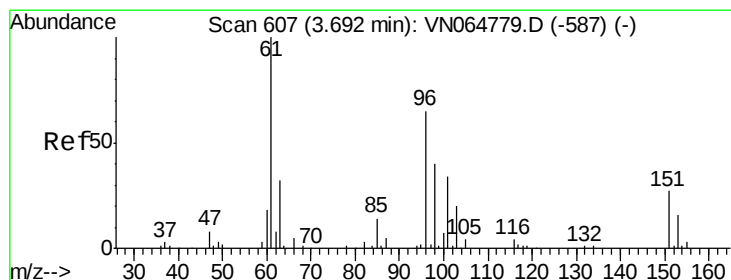
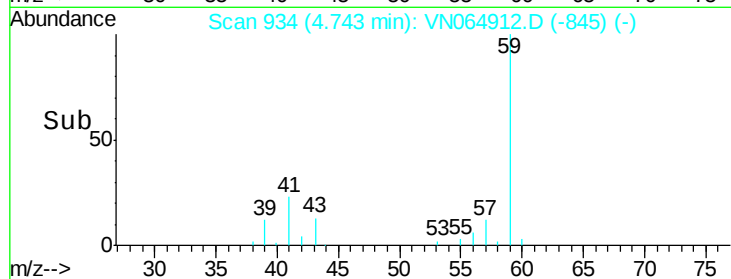
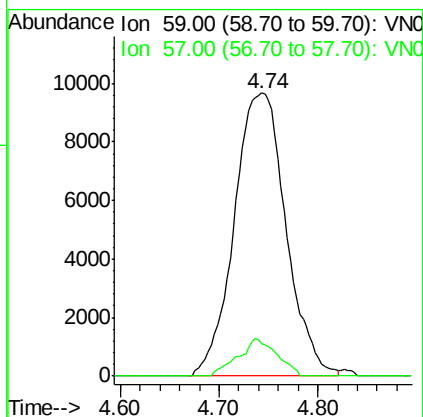
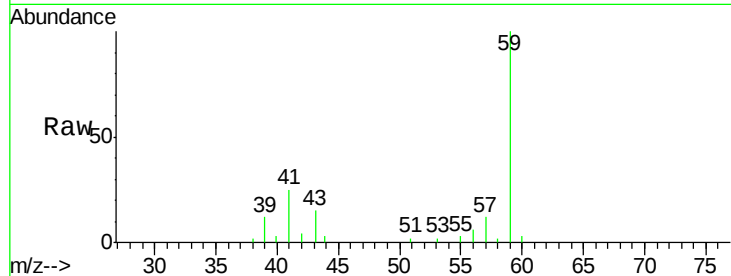




#11
Tert butyl alcohol
Concen: 78.845 ug/l
RT: 4.74 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

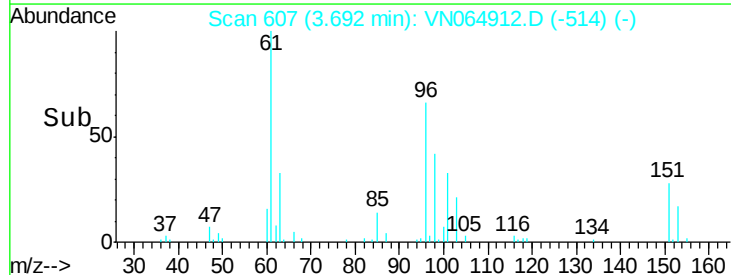
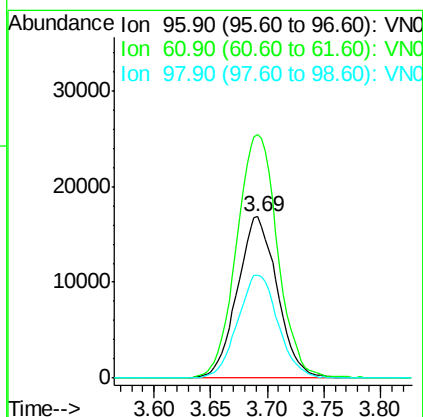
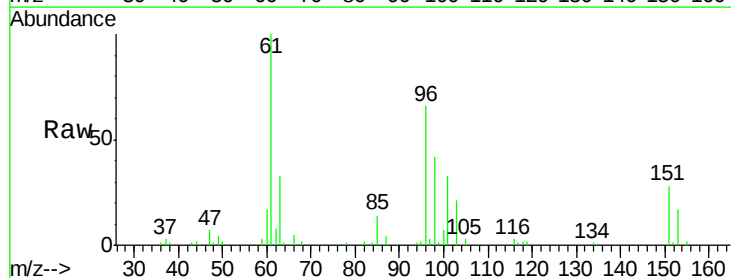
Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

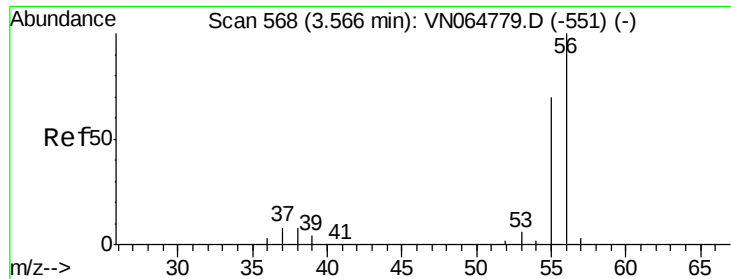
Tot Ion: 59 Resp: 35113
Ion Ratio Lower Upper
59 100
57 9.9 7.9 11.9



#12
1,1-Dichloroethene
Concen: 17.400 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 96 Resp: 41445
Ion Ratio Lower Upper
96 100
61 151.1 123.4 185.2
98 63.9 49.8 74.8





#13

Acrolein

Concen: 52.772 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

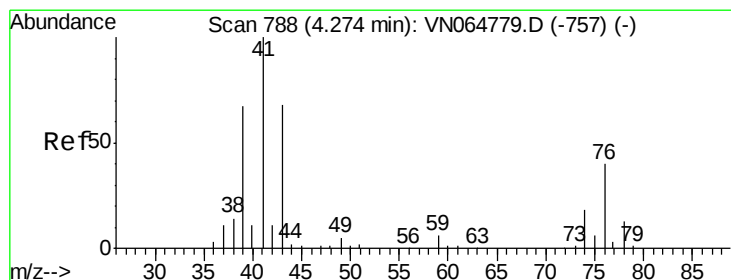
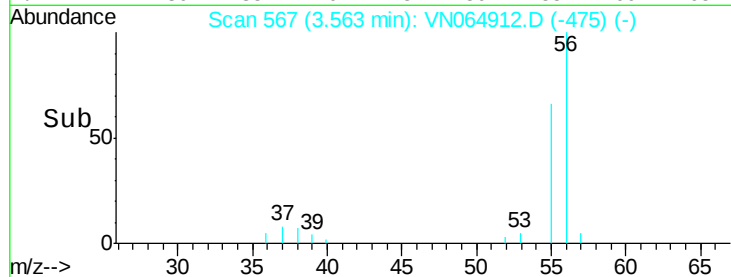
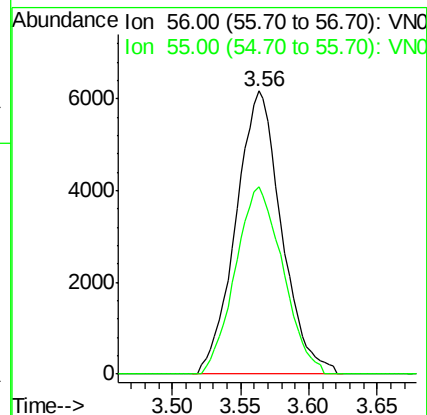
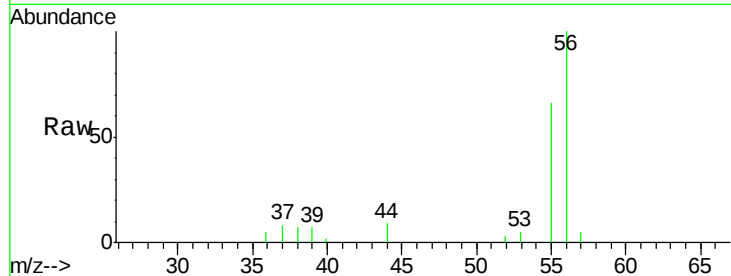
VN1204WBS01

Tot Ion: 56 Resp: 14355

Ion Ratio Lower Upper

56 100

55 68.7 56.5 84.7



#14

Allyl chloride

Concen: 17.188 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

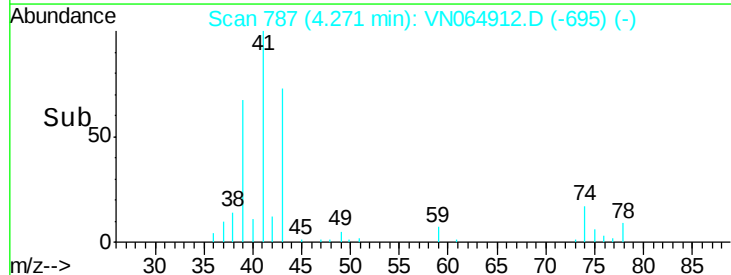
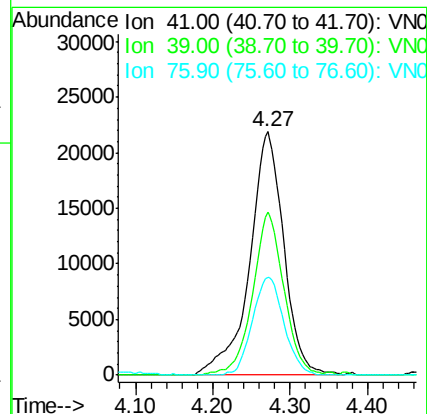
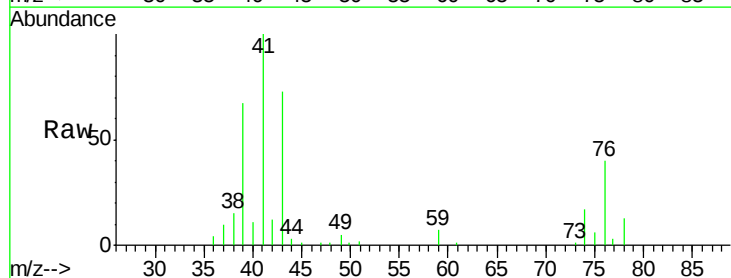
Tgt Ion: 41 Resp: 67525

Ion Ratio Lower Upper

41 100

39 61.3 50.9 76.3

76 37.1 29.0 43.4





#15

Acrylonitrile

Concen: 85.320 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

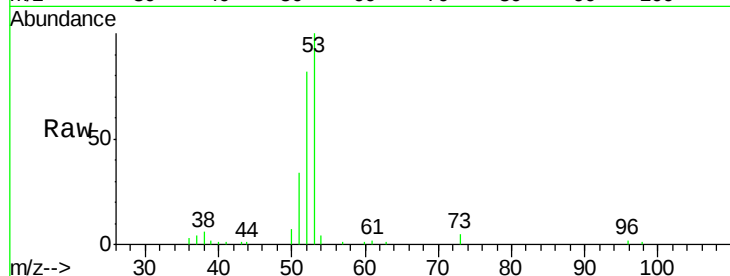
Tot Ion: 53 Resp: 104966

Ion Ratio Lower Upper

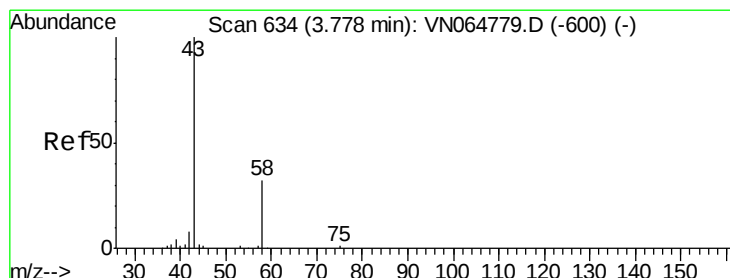
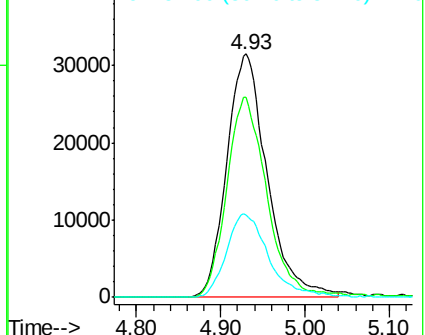
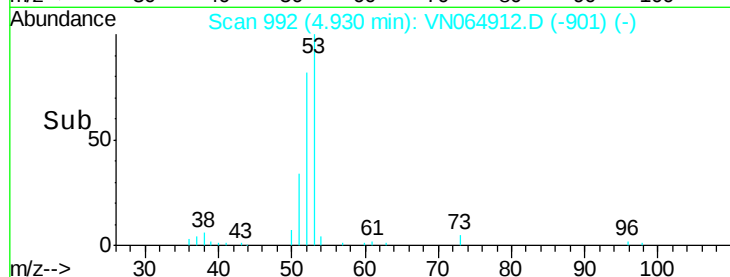
53 100

52 81.5 65.5 98.3

51 35.7 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN064912.D (-901) (-)



#16

Acetone

Concen: 80.791 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064912.D

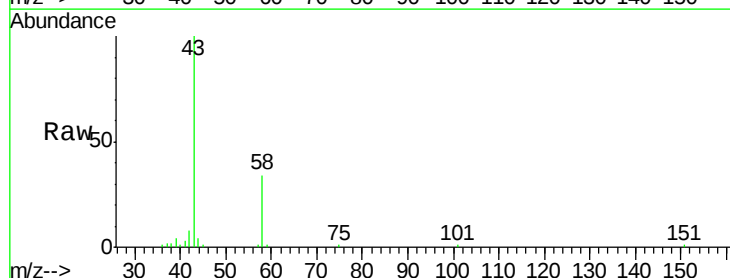
Acq: 4 Dec 2020 12:28

Tgt Ion: 43 Resp: 75840

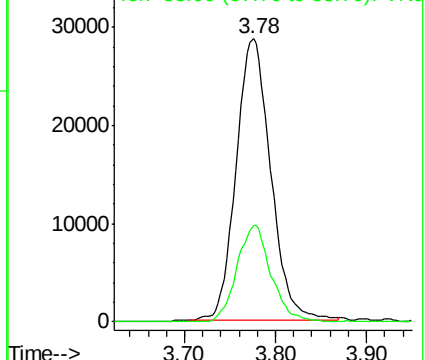
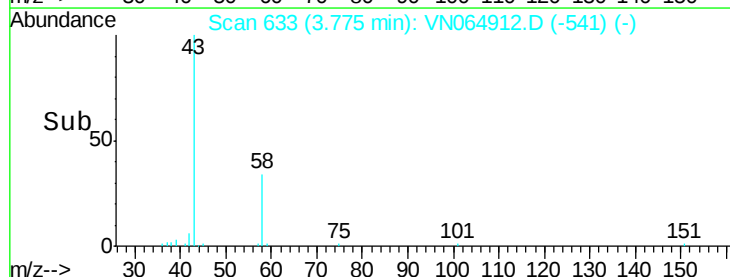
Ion Ratio Lower Upper

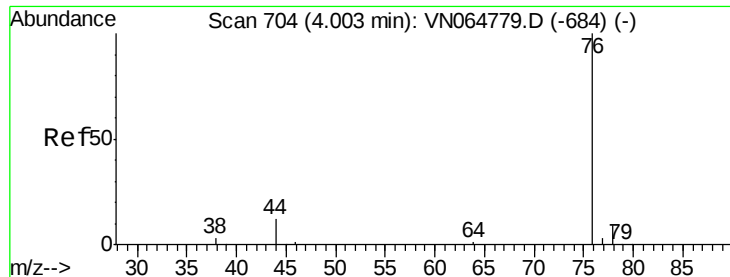
43 100

58 34.3 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN064912.D (-541) (-)

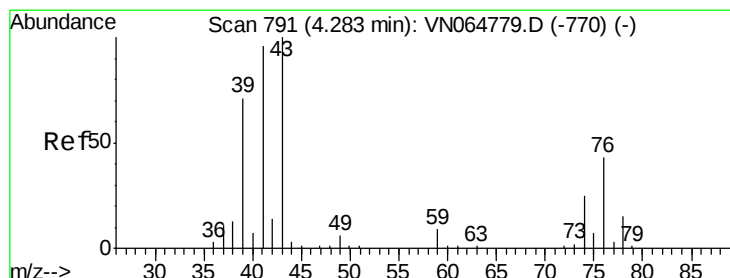
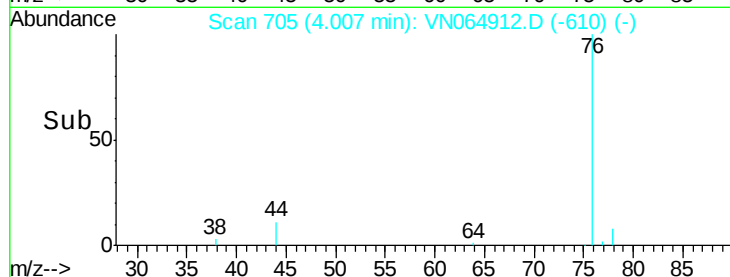
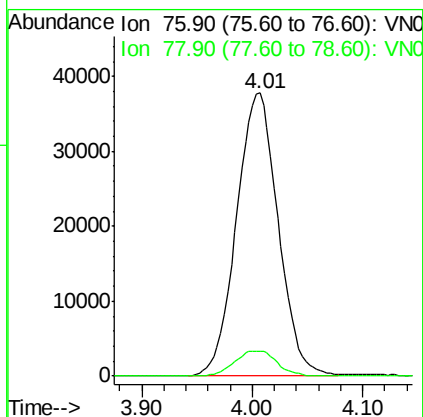
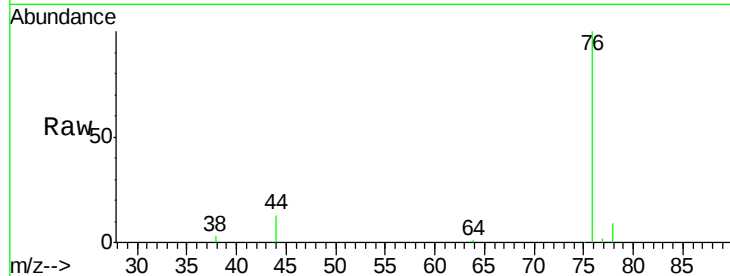




#17
Carbon Disulfide
Concen: 16.075 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

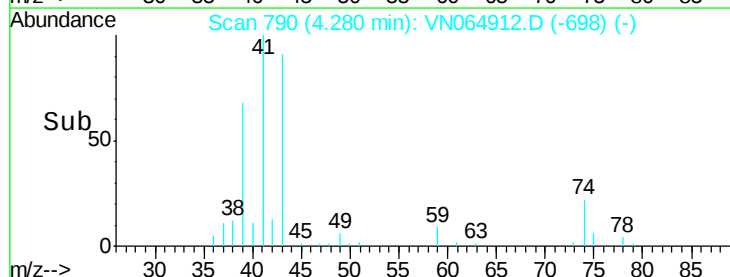
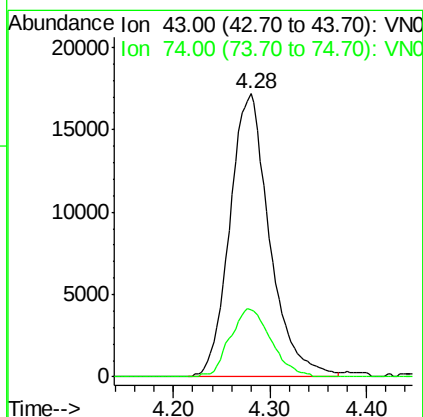
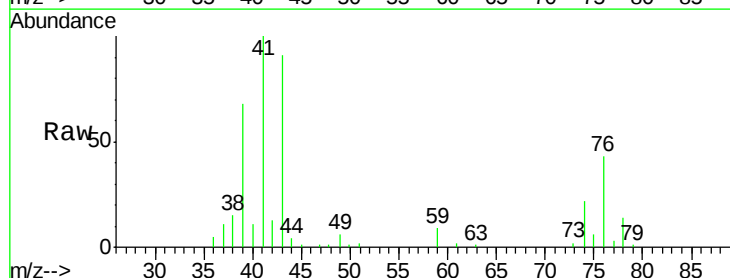
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

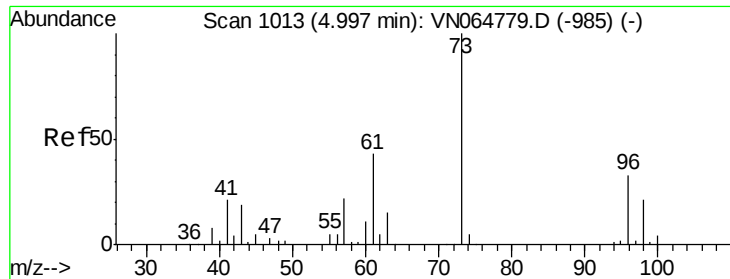
Tot Ion: 76 Resp: 98837
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 17.428 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 43 Resp: 49188
Ion Ratio Lower Upper
43 100
74 24.8 20.2 30.2

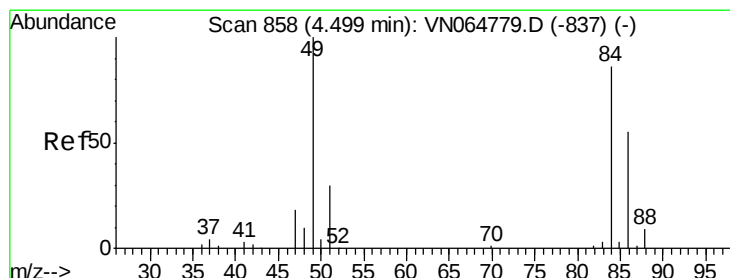
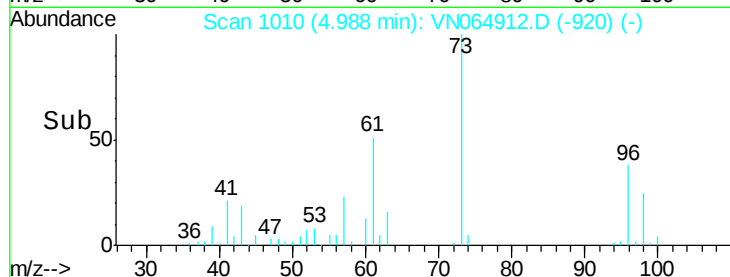
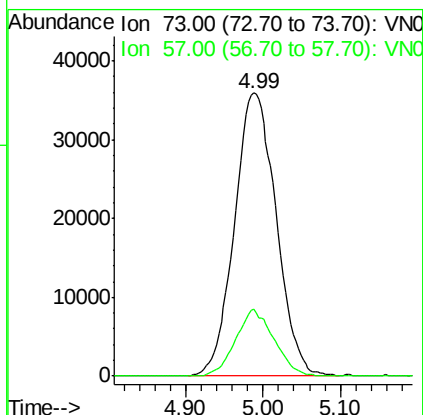
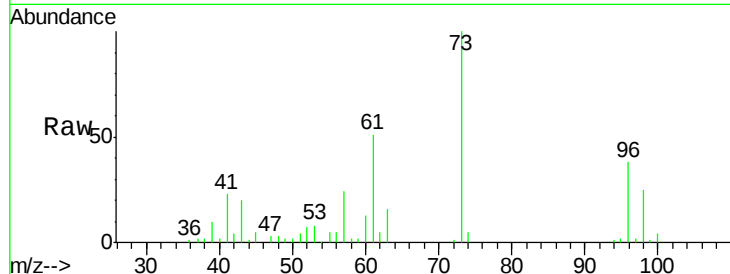




#19
Methvl tert-butvl Ether
Concen: 17.618 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

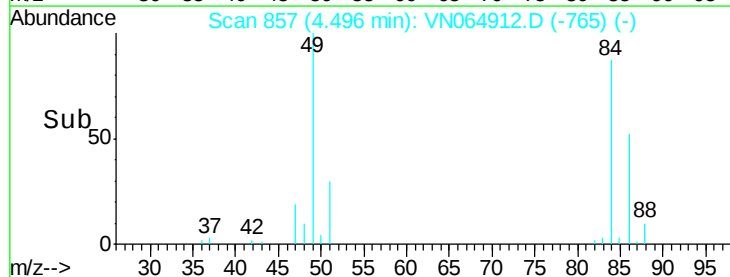
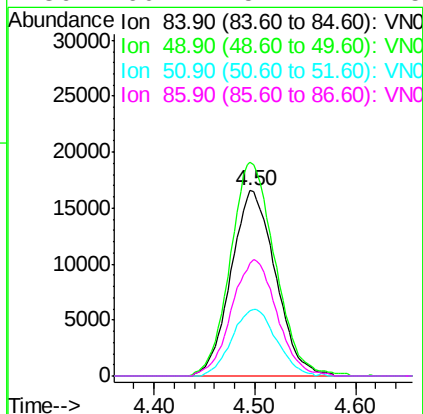
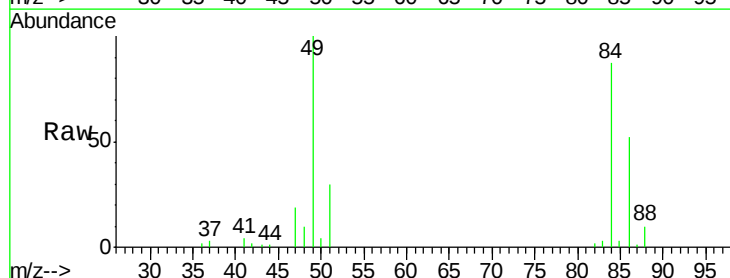
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

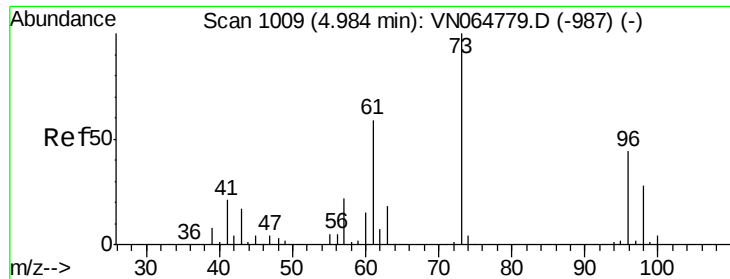
Tot Ion: 73 Resp: 134586
Ion Ratio Lower Upper
73 100
57 23.5 17.4 26.0



#20
Methylene Chloride
Concen: 17.243 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 84 Resp: 50722
Ion Ratio Lower Upper
84 100
49 115.1 93.4 140.0
51 35.1 28.2 42.4
86 60.4 51.7 77.5

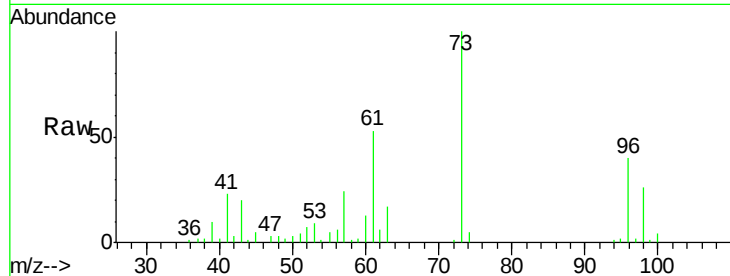




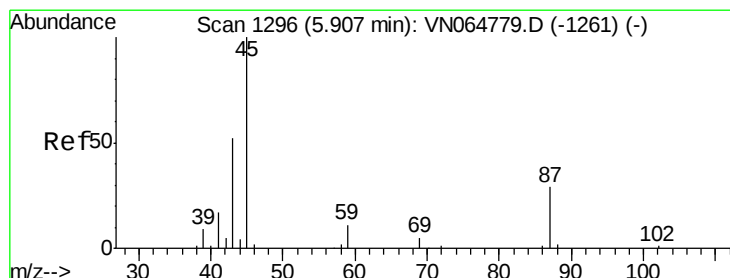
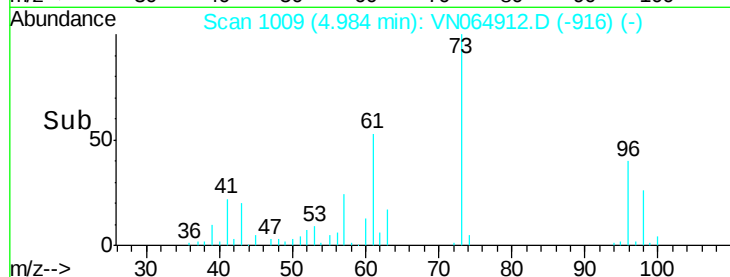
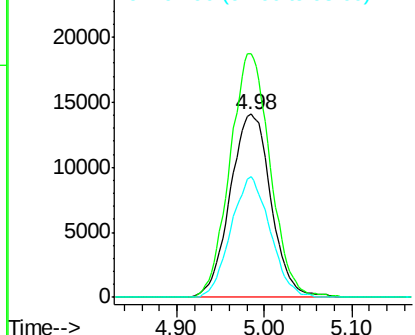
#21
trans-1,2-Dichloroethene
Concen: 17.277 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion: 96 Resp: 45700
Ion Ratio Lower Upper
96 100
61 133.1 108.4 162.6
98 66.0 51.3 76.9

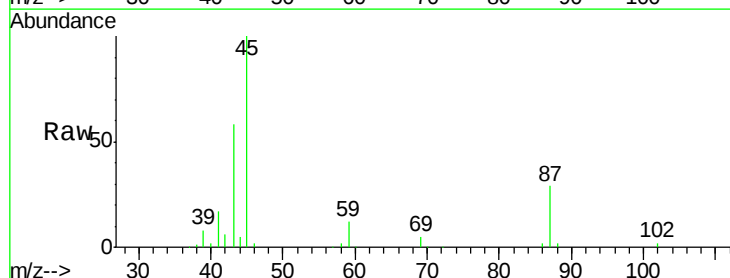


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

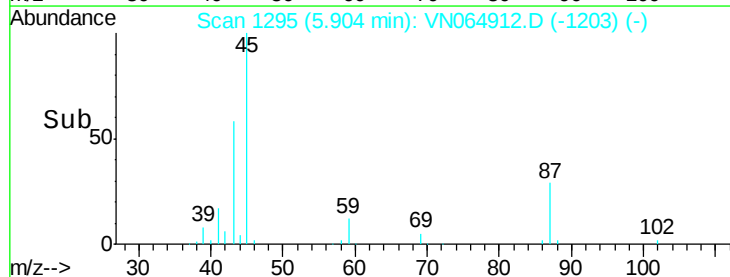
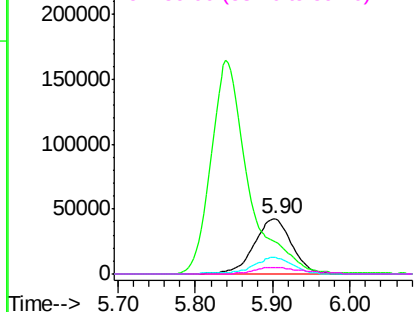


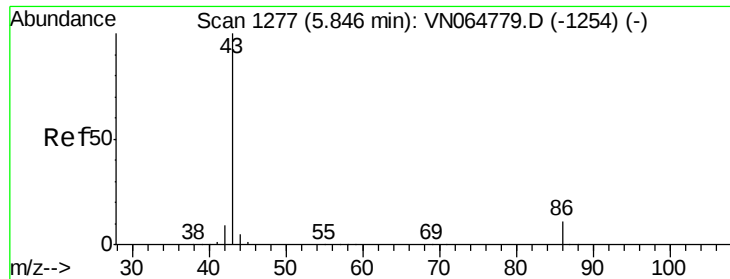
#22
Diisopropyl ether
Concen: 18.387 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 45 Resp: 144578
Ion Ratio Lower Upper
45 100
43 55.7 46.2 69.2
87 29.0 24.1 36.1
59 12.4 9.0 13.4



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





#23

Vinyl Acetate

Concen: 88.029 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

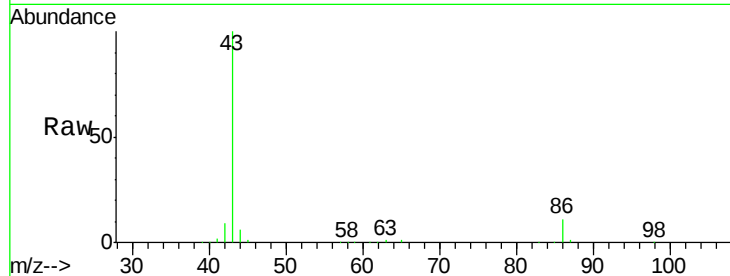
VN1204WBS01

Tot Ion: 43 Resp: 553528

Ion Ratio Lower Upper

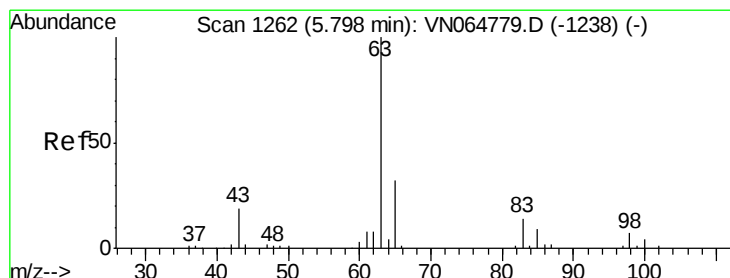
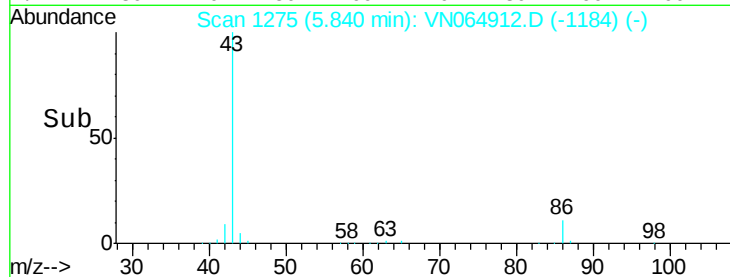
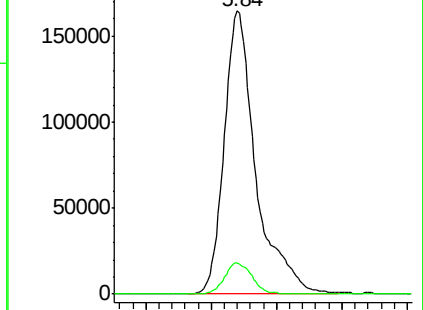
43 100

86 11.1 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN064912.D (-1184) (-)

Ion 86.00 (85.70 to 86.70): VN064912.D (-1184) (-)



#24

1,1-Dichloroethane

Concen: 18.008 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

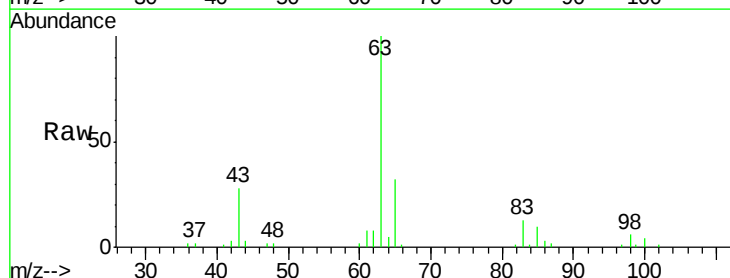
Tgt Ion: 63 Resp: 84625

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

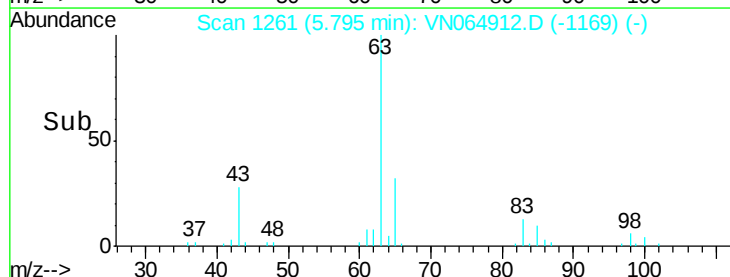
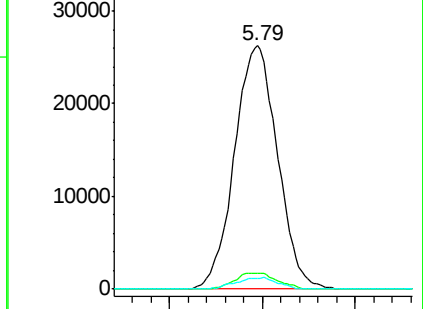
100 4.5 2.3 6.8

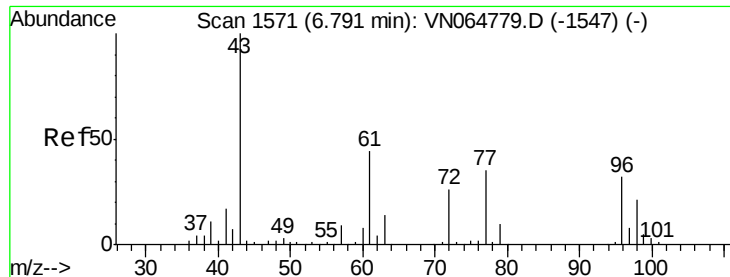


Abundance Ion 62.90 (62.60 to 63.60): VN064912.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN064912.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN064912.D (-1169) (-)

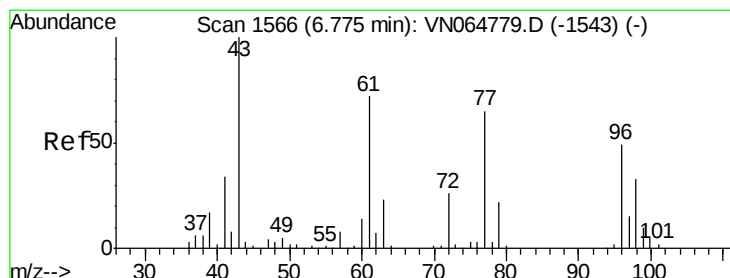
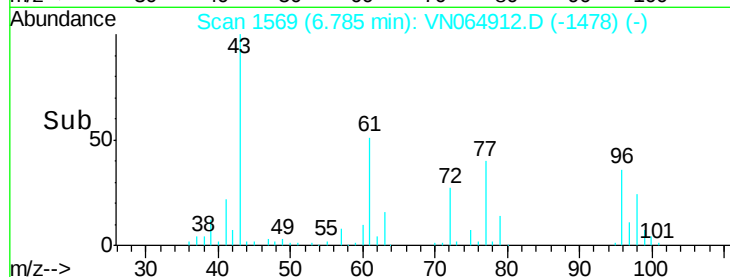
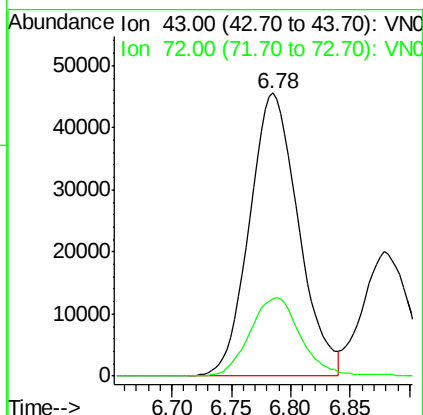
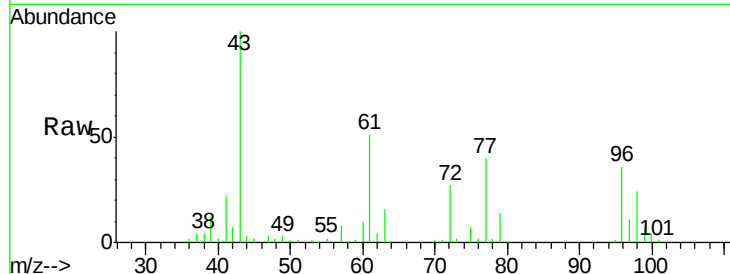




#25
2-Butanone
Concen: 85.483 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

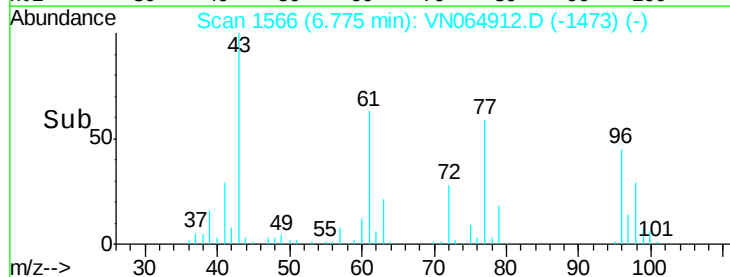
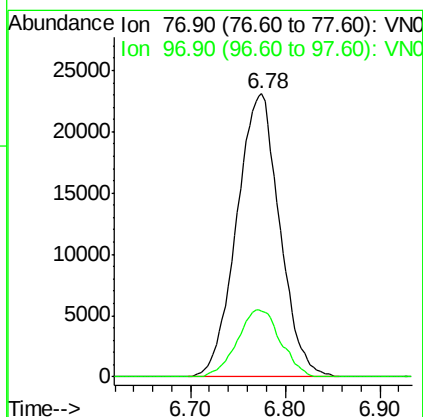
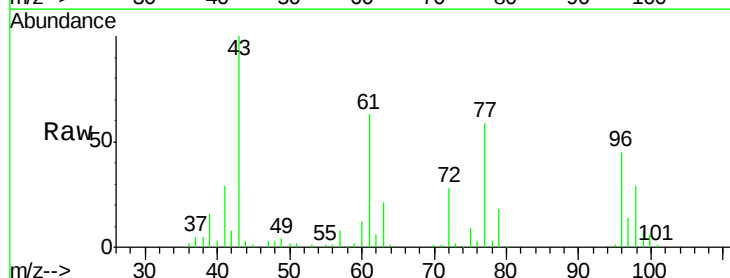
Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

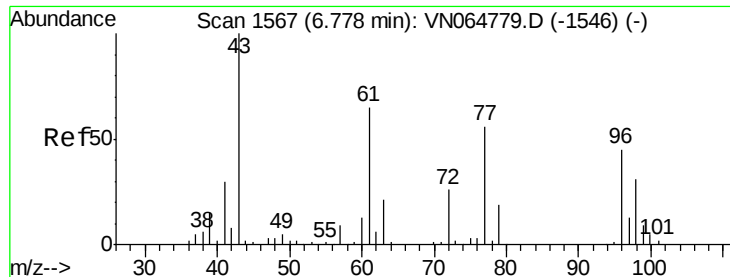
Tot Ion: 43 Resp: 130081
Ion Ratio Lower Upper
43 100
72 27.3 21.0 31.6



#26
2,2-Dichloropropane
Concen: 17.899 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 77 Resp: 72952
Ion Ratio Lower Upper
77 100
97 23.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 17.676 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

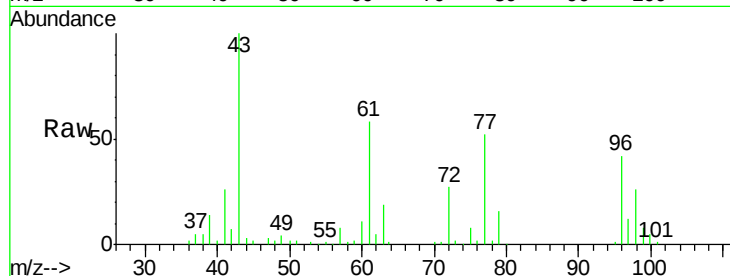
Tot Ion: 96 Resp: 52610

Ion Ratio Lower Upper

96 100

61 142.6 0.0 285.8

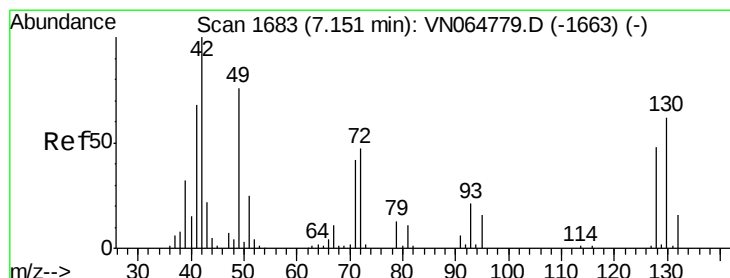
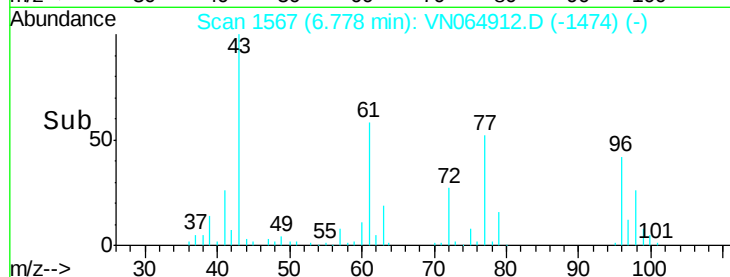
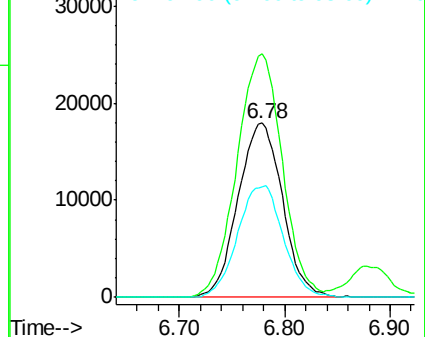
98 66.0 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN064912.D (-1474) (-)

Ion 60.90 (60.60 to 61.60): VN064912.D (-1474) (-)

Ion 97.90 (97.60 to 98.60): VN064912.D (-1474) (-)



#28

Bromochloromethane

Concen: 19.973 ug/l

RT: 7.15 min Scan# 1681

Delta R.T. -0.01 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

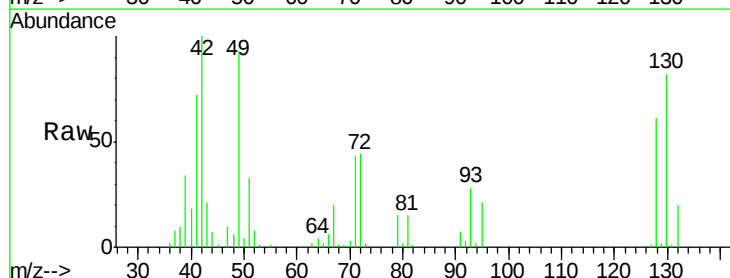
Tgt Ion: 49 Resp: 42938

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.8

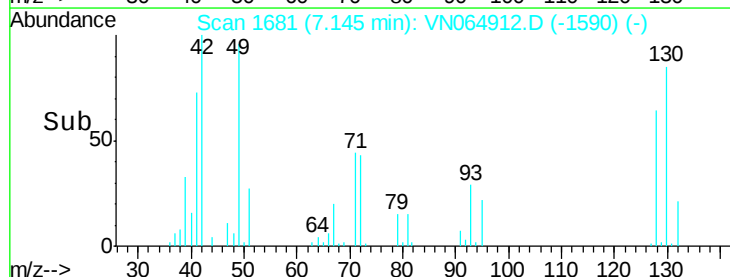
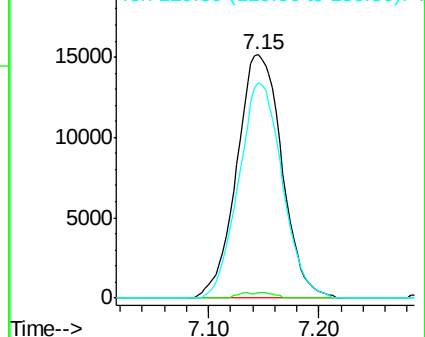
130 85.6 66.2 99.2



Abundance Ion 48.90 (48.60 to 49.60): VN064912.D (-1590) (-)

Ion 128.80 (128.50 to 129.50): VN064912.D (-1590) (-)

Ion 129.80 (129.50 to 130.50): VN064912.D (-1590) (-)

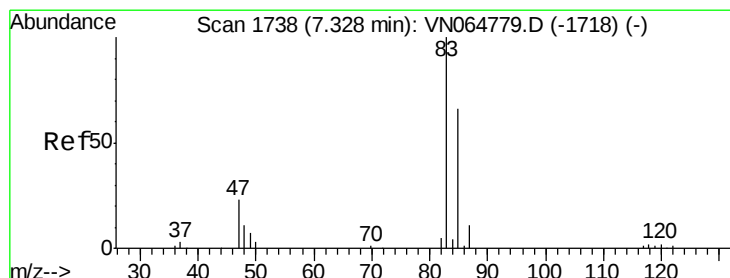
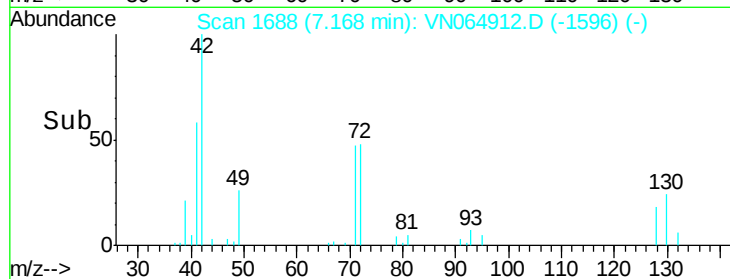
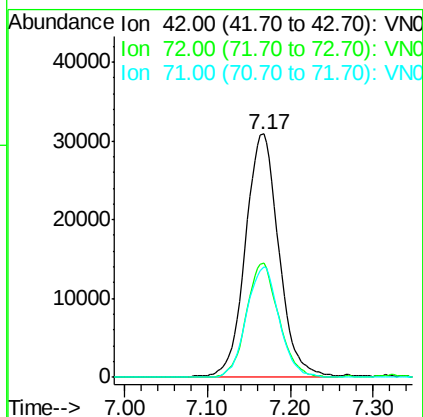
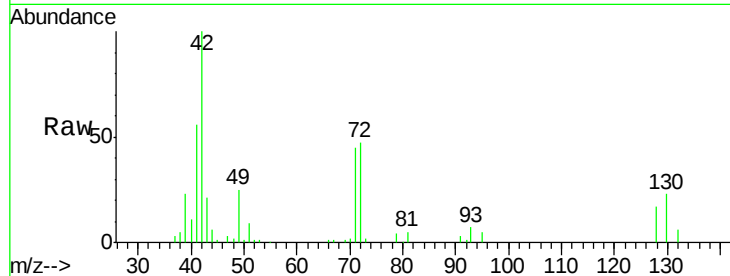




#29
Tetrahydrofuran
Concen: 82.610 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

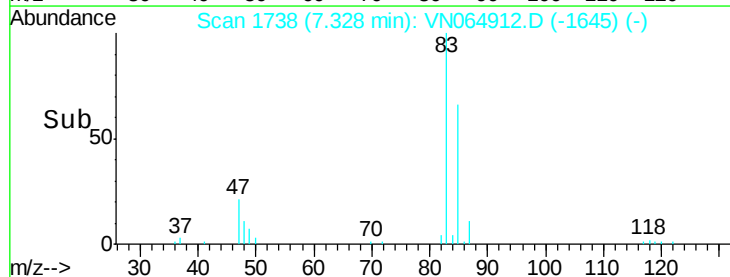
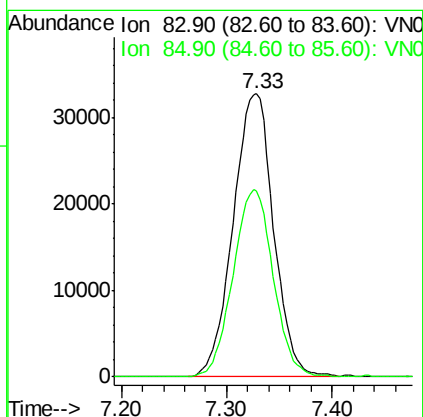
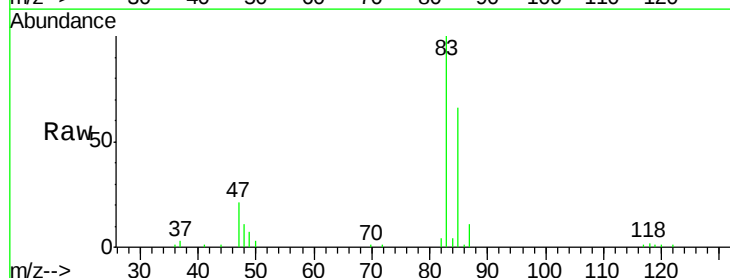
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

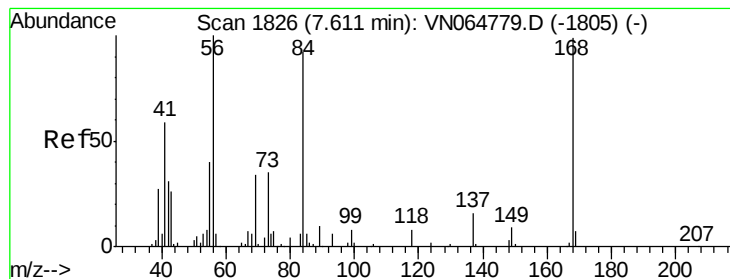
Tot Ion: 42 Resp: 86776
Ion Ratio Lower Upper
42 100
72 45.2 36.6 54.8
71 44.1 33.6 50.4



#30
Chloroform
Concen: 17.995 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 83 Resp: 87208
Ion Ratio Lower Upper
83 100
85 65.9 52.6 78.8





#31

Cyclohexane

Concen: 17.014 ug/l

RT: 7.61 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

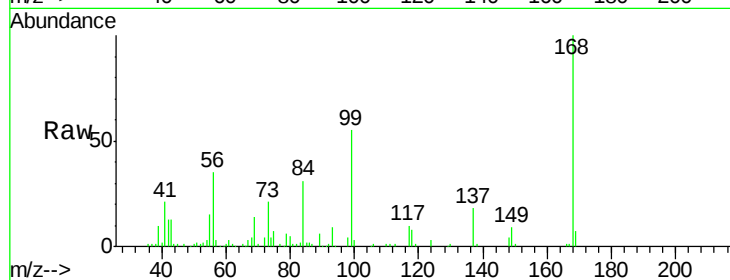
Tot Ion: 56 Resp: 67717

Ion Ratio Lower Upper

56 100

69 38.8 27.5 41.3

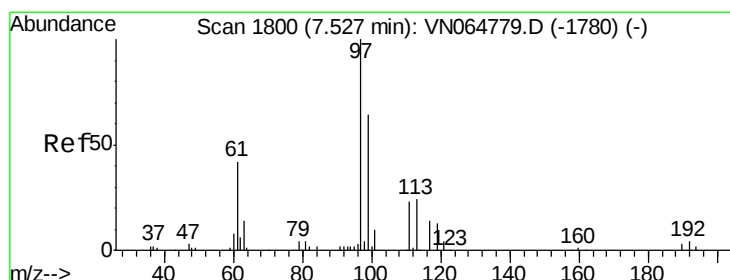
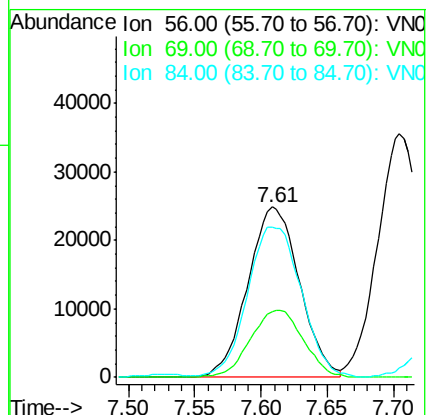
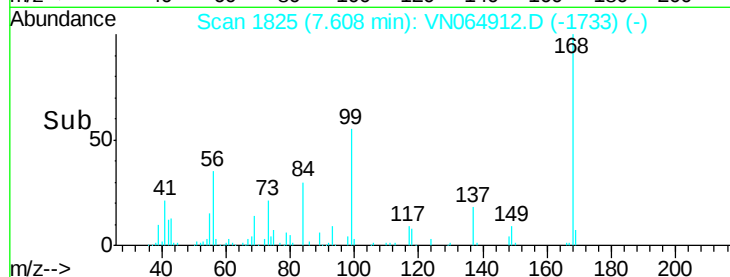
84 87.3 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.568 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

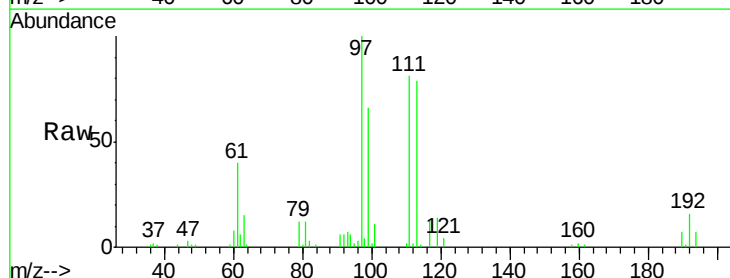
Tgt Ion: 97 Resp: 77286

Ion Ratio Lower Upper

97 100

99 62.1 51.7 77.5

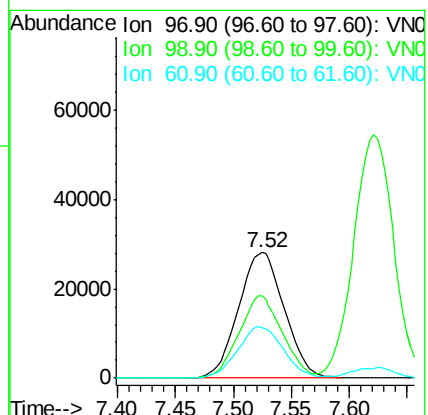
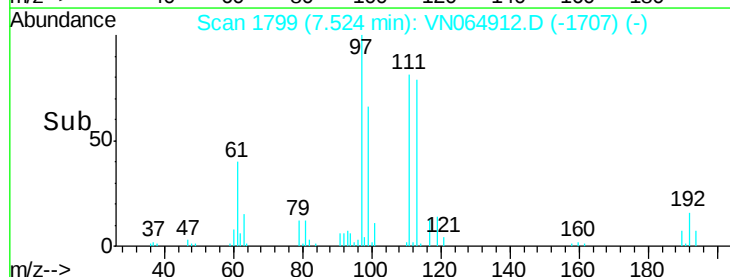
61 40.7 33.9 50.9

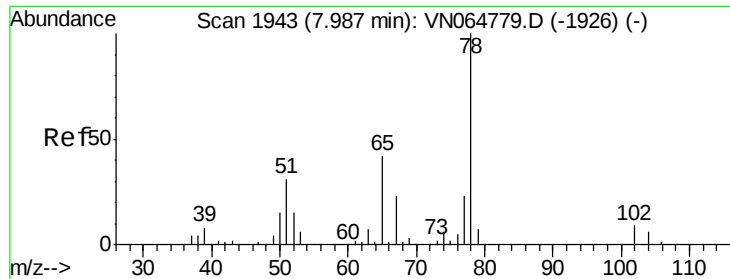


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.426 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

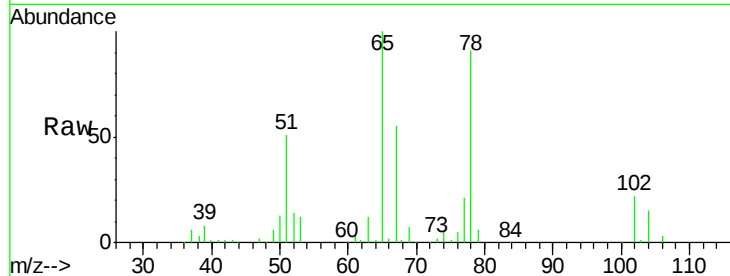
VN1204WBS01

Tot Ion: 65 Resp: 138286

Ion Ratio Lower Upper

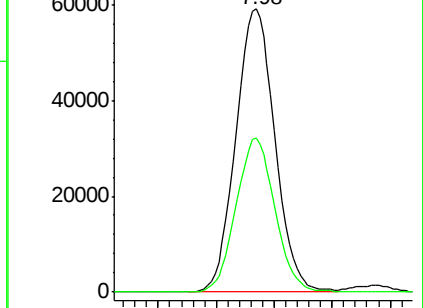
65 100

67 54.1 0.0 108.2

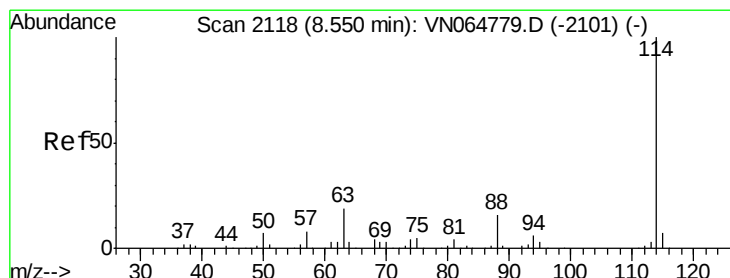
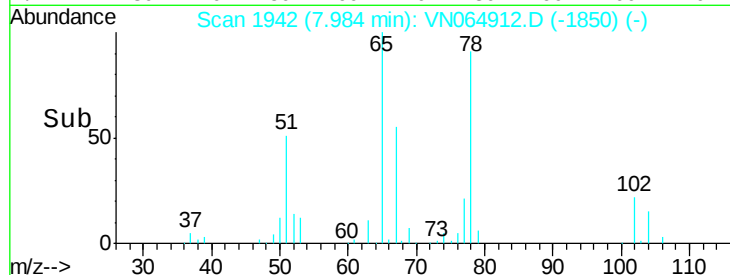


Abundance Ion 64.90 (64.60 to 65.60): VN064779.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN064779.D (-1926) (-)



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

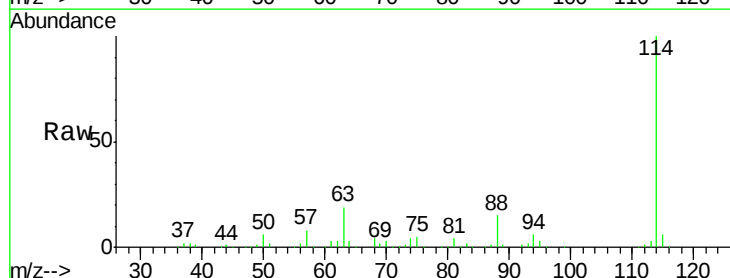
Tgt Ion: 114 Resp: 374138

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

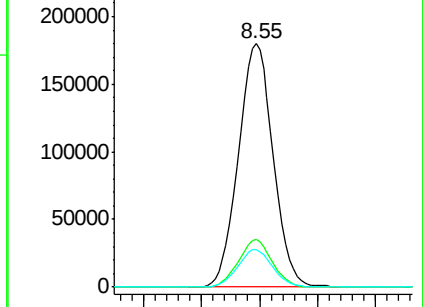
88 15.3 0.0 32.6



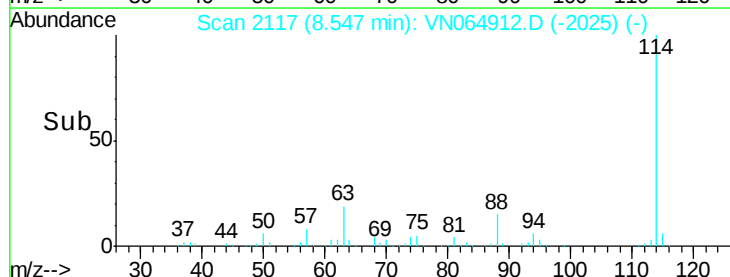
Abundance Ion 113.90 (113.60 to 114.60): VN064779.D (-2101) (-)

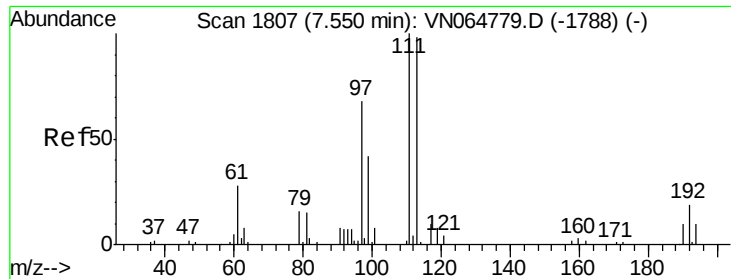
Ion 63.00 (62.70 to 63.70): VN064779.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN064779.D (-2101) (-)



Time-->

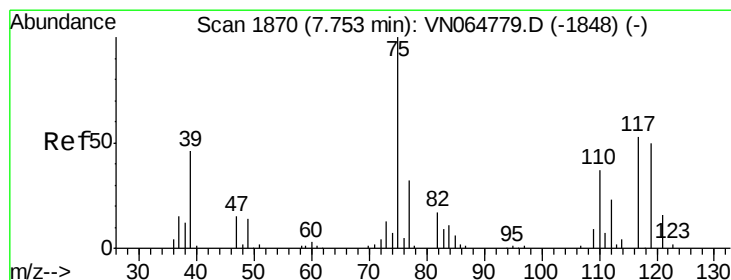
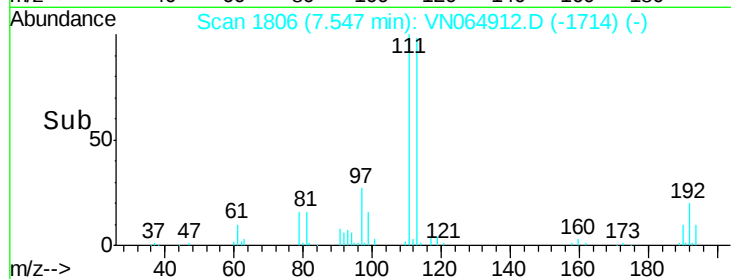
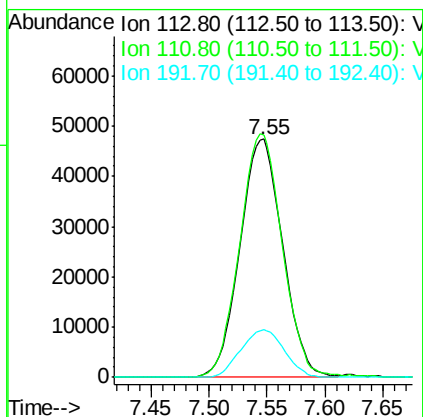
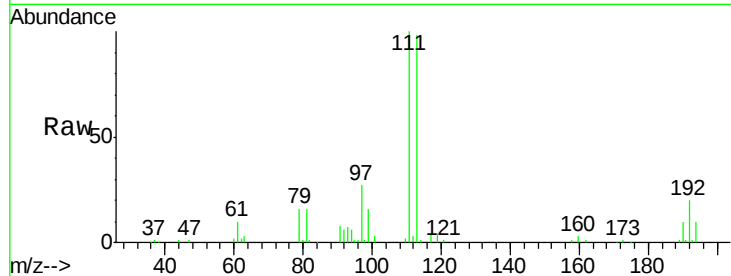




#35
 Dibromofluoromethane
 Concen: 54.326 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

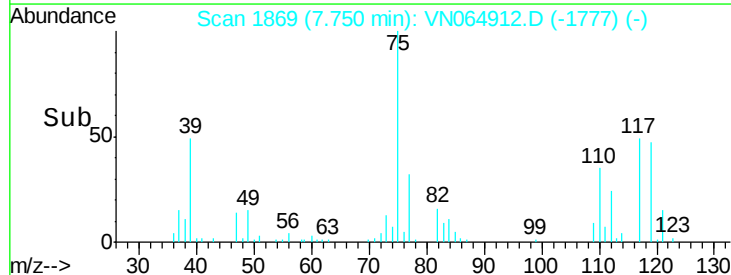
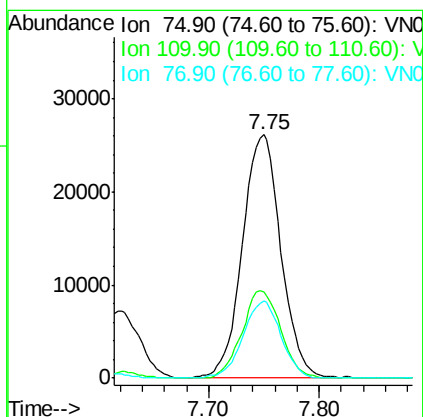
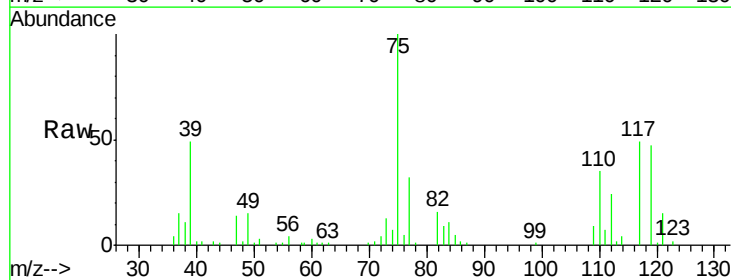
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

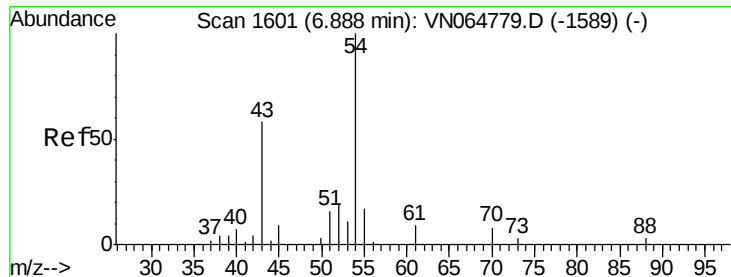
Tot Ion:113 Resp: 121620
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.6 122.4
 192 20.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 18.215 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion: 75 Resp: 63167
 Ion Ratio Lower Upper
 75 100
 110 36.1 17.8 53.3
 77 31.2 25.0 37.4

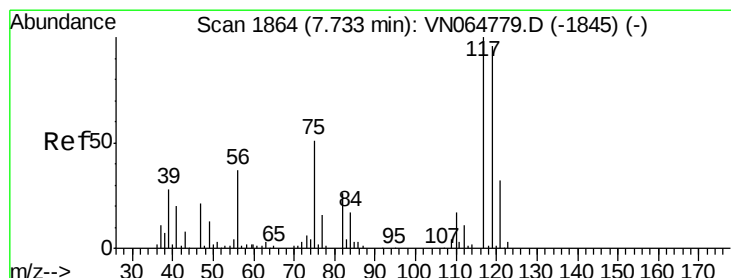
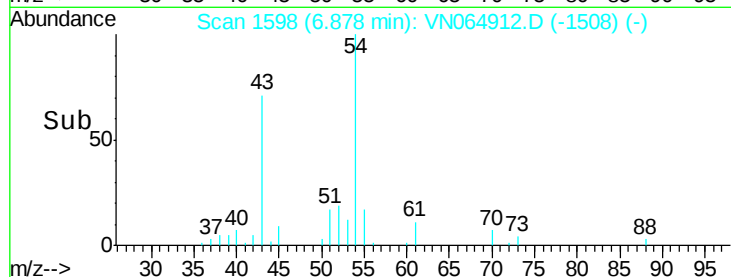
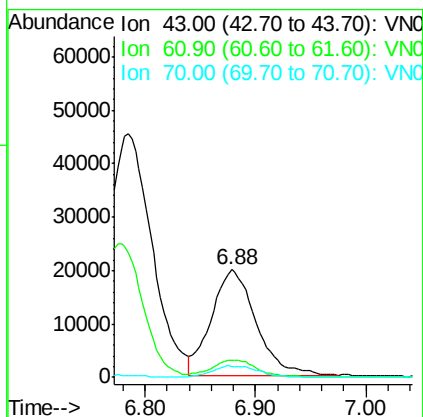
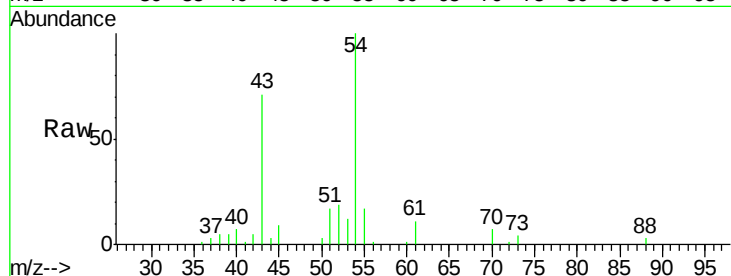




#37
Ethyl Acetate
Concen: 16.730 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

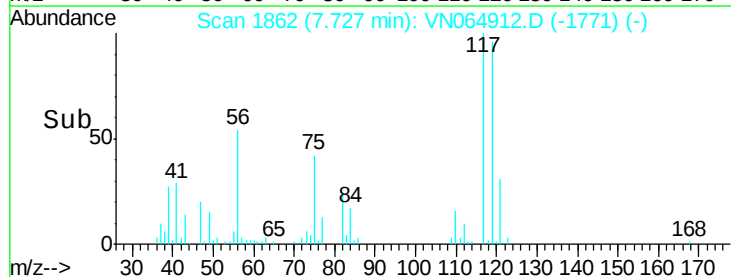
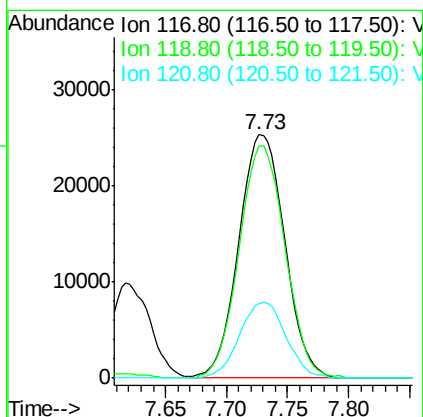
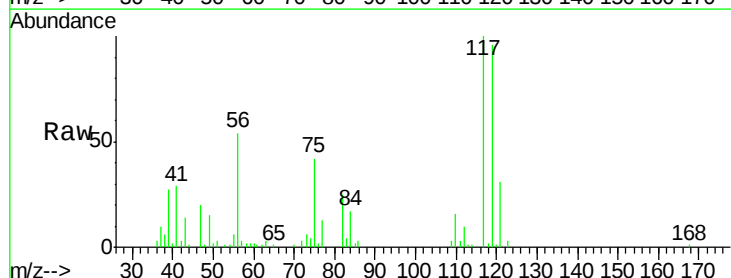
Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

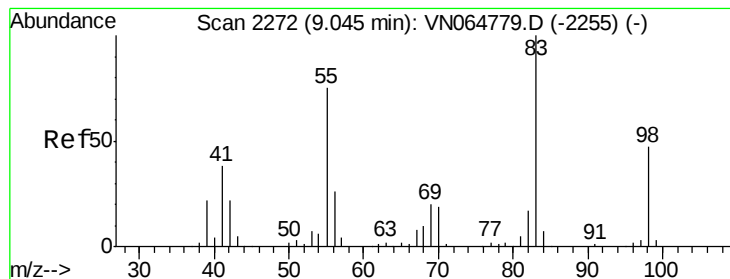
Tot Ion: 43 Resp: 55886
Ion Ratio Lower Upper
43 100
61 16.5 12.8 19.2
70 11.1 8.8 13.2



#38
Carbon Tetrachloride
Concen: 18.352 ug/l
RT: 7.73 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 117 Resp: 66221
Ion Ratio Lower Upper
117 100
119 95.5 76.7 115.1
121 30.7 25.4 38.2





#39

Methvlcvclohexane

Concen: 16.689 ug/l

RT: 9.04 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

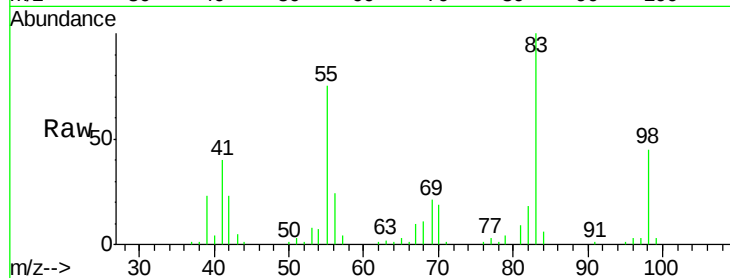
Tot Ion: 83 Resp: 62303

Ion Ratio Lower Upper

83 100

55 75.3 60.2 90.2

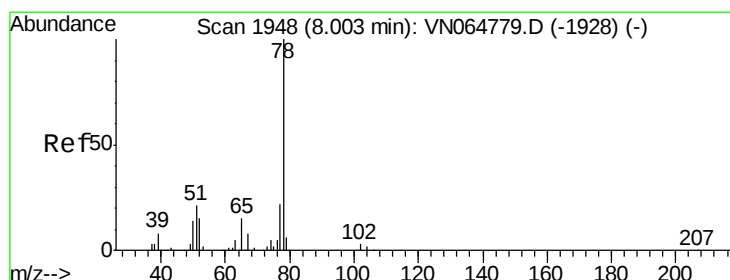
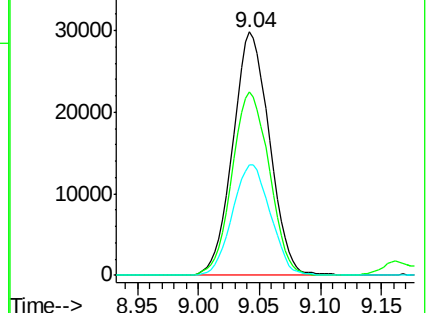
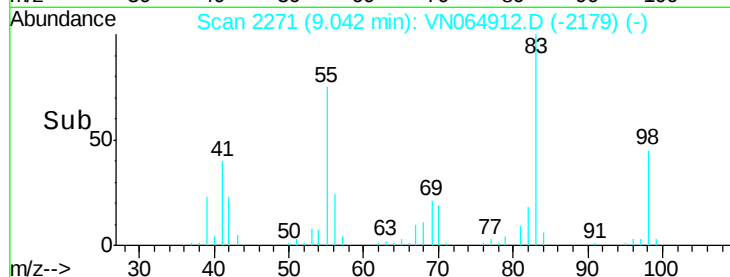
98 45.3 37.4 56.2



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 18.115 ug/l

RT: 8.00 min Scan# 1946

Delta R.T. -0.01 min

Lab File: VN064912.D

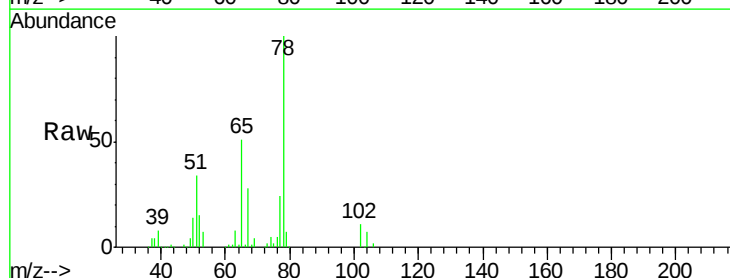
Acq: 4 Dec 2020 12:28

Tgt Ion: 78 Resp: 192509

Ion Ratio Lower Upper

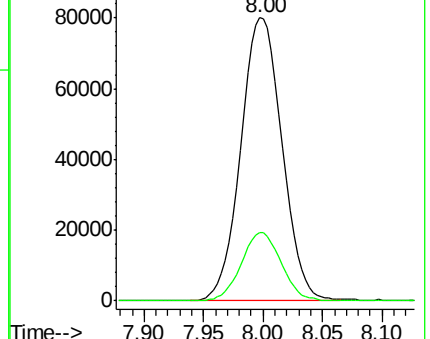
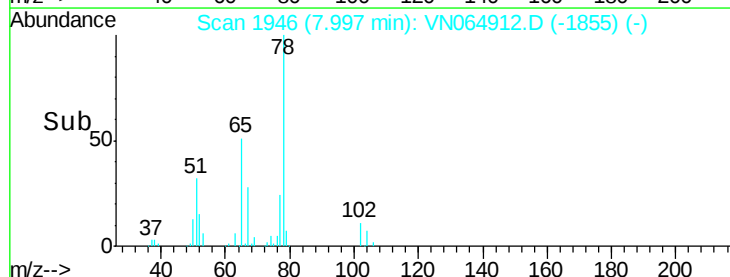
78 100

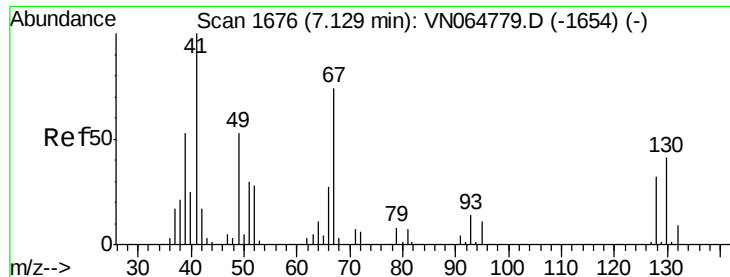
77 24.3 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

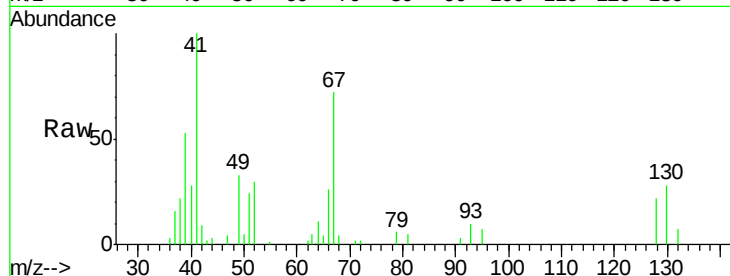




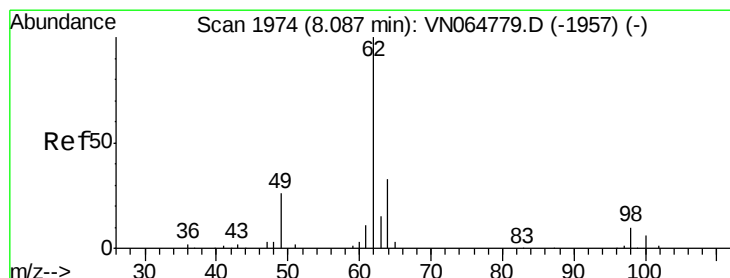
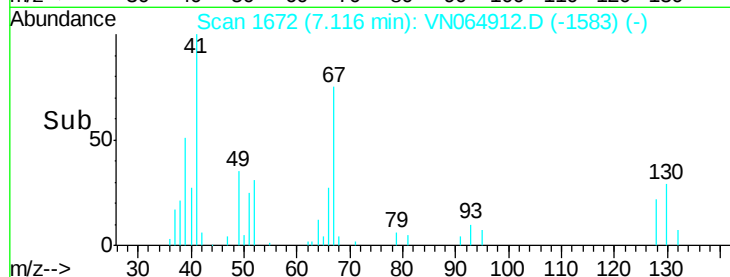
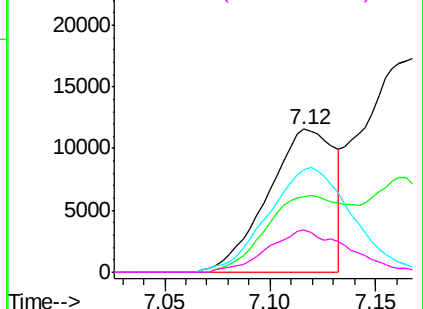
#41
Methacrylonitrile
Concen: 16.468 ug/l
RT: 7.12 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion: 41 Resp: 25384
Ion Ratio Lower Upper
41 100
39 67.8 51.0 76.6
67 92.9 79.8 119.8
52 36.3 31.5 47.3

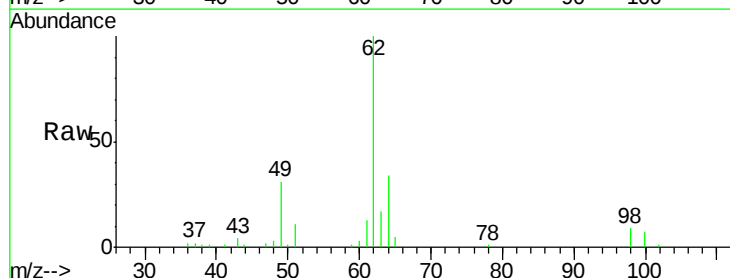


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

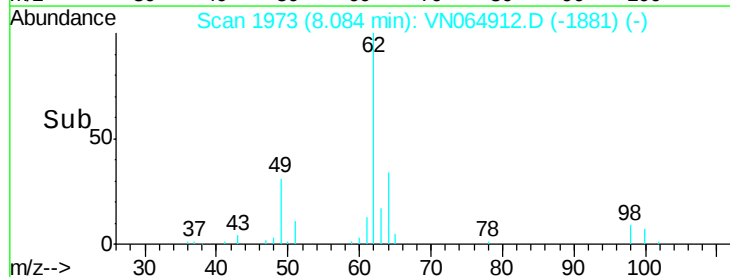
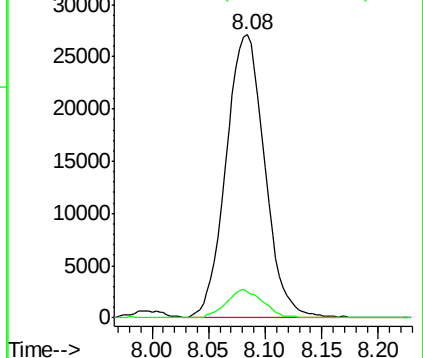


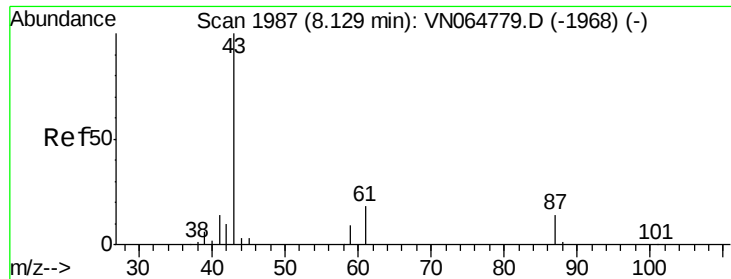
#42
1,2-Dichloroethane
Concen: 18.055 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 62 Resp: 64727
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 17.238 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

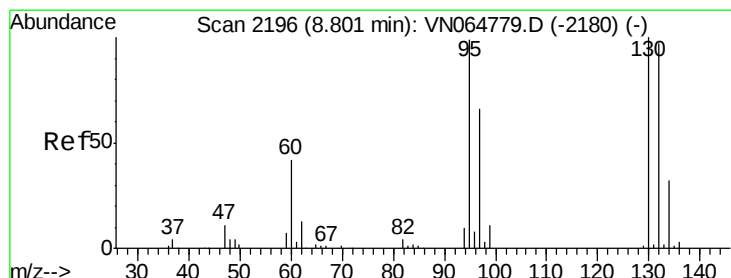
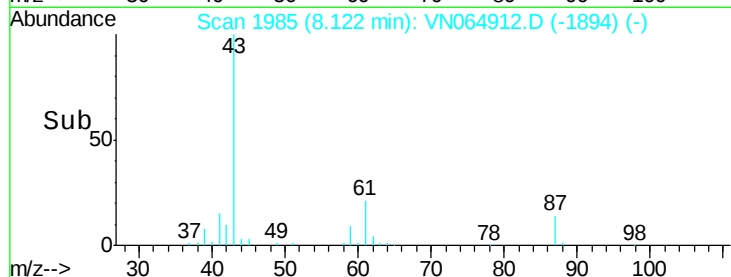
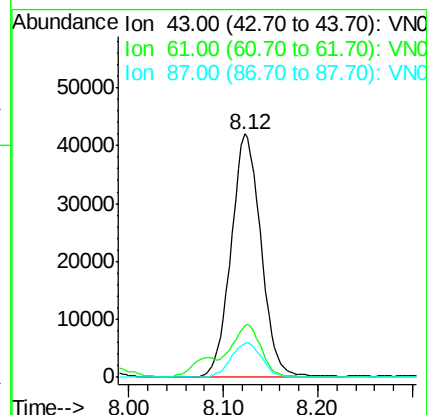
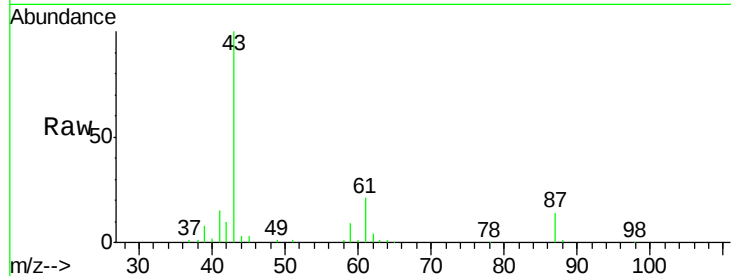
Tot Ion: 43 Resp: 92662

Ion Ratio Lower Upper

43 100

61 21.2 17.2 25.8

87 14.3 11.4 17.0



#44

Trichloroethene

Concen: 17.625 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN064912.D

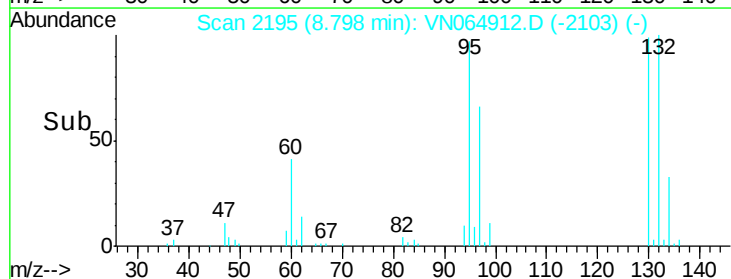
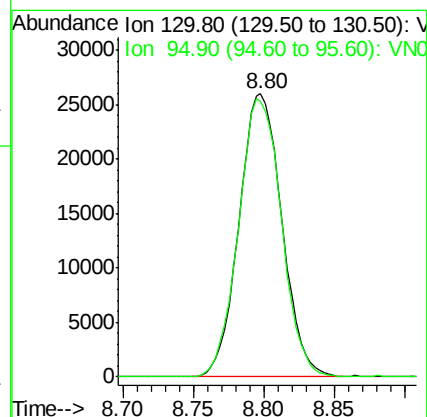
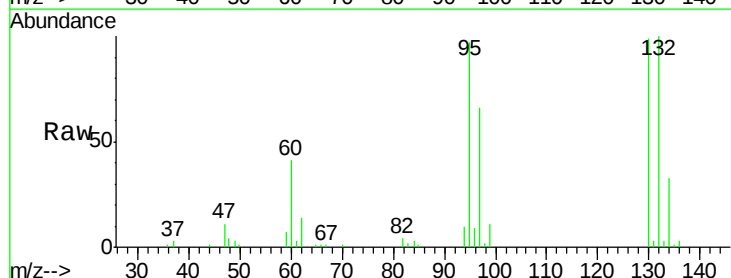
Acq: 4 Dec 2020 12:28

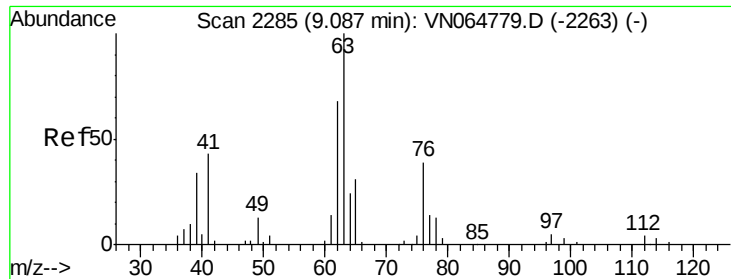
Tgt Ion:130 Resp: 55263

Ion Ratio Lower Upper

130 100

95 97.4 0.0 197.8





#45

1,2-Dichloropropane

Concen: 18.397 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.01 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

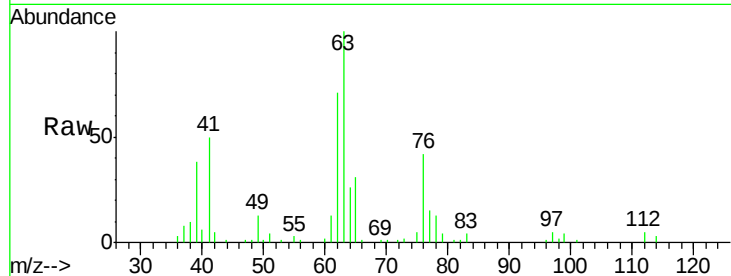
VN1204WBS01

Tot Ion: 63 Resp: 50629

Ion Ratio Lower Upper

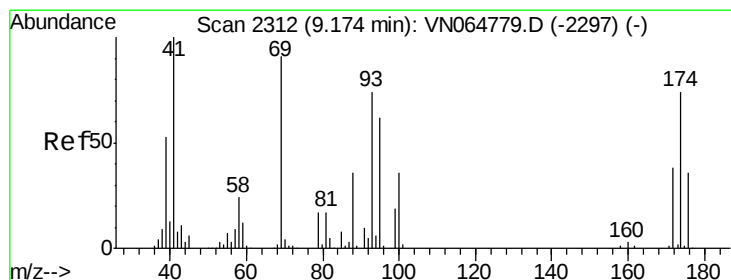
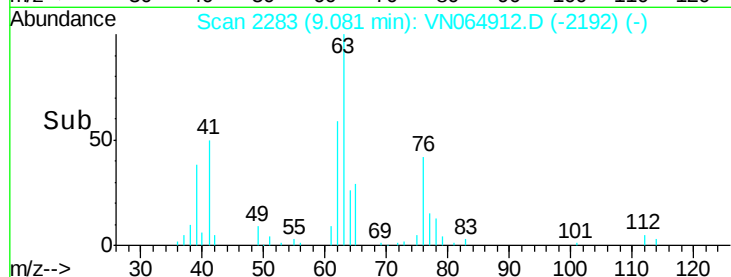
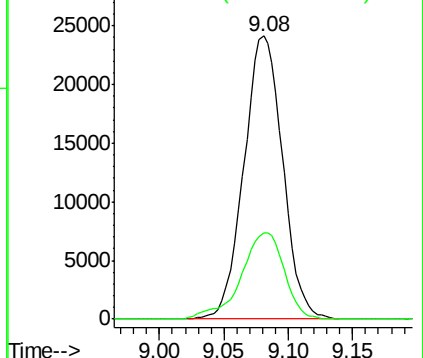
63 100

65 30.6 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.337 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

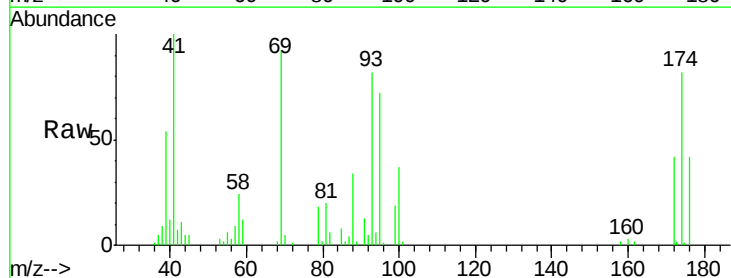
Tgt Ion: 93 Resp: 33713

Ion Ratio Lower Upper

93 100

95 87.1 68.8 103.2

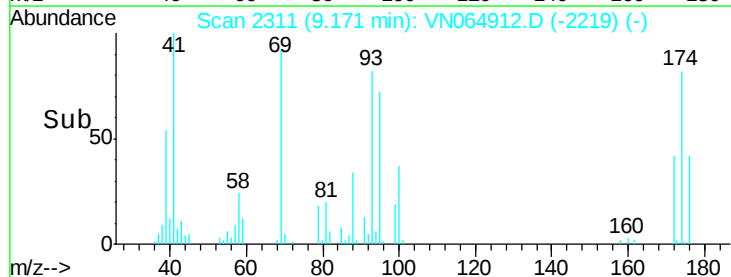
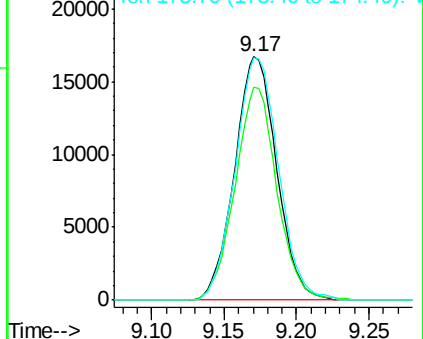
174 102.6 83.1 124.7

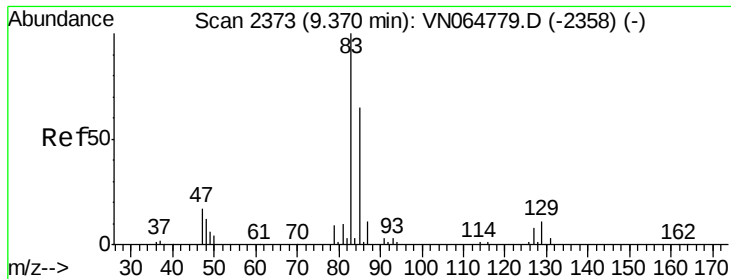


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.211 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

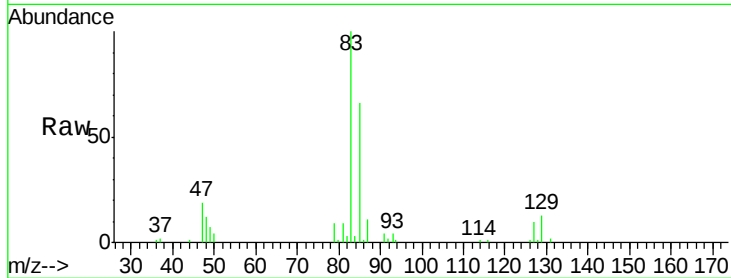
Tot Ion: 83 Resp: 67370

Ion Ratio Lower Upper

83 100

85 65.5 51.8 77.8

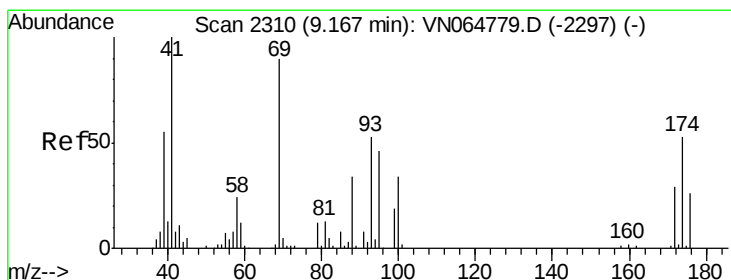
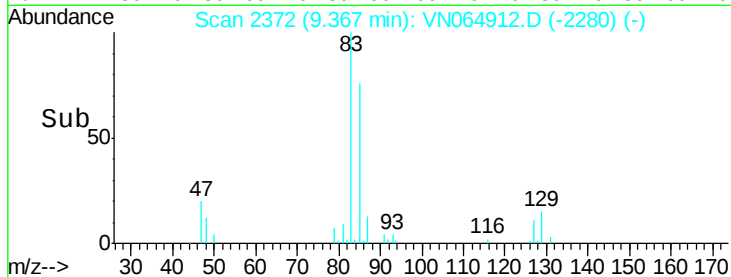
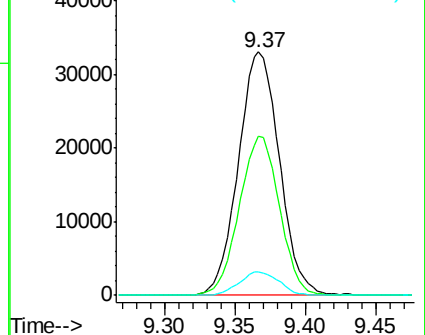
127 9.6 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN064912.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064912.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064912.D (-2280) (-)



#48

Methyl methacrylate

Concen: 17.261 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

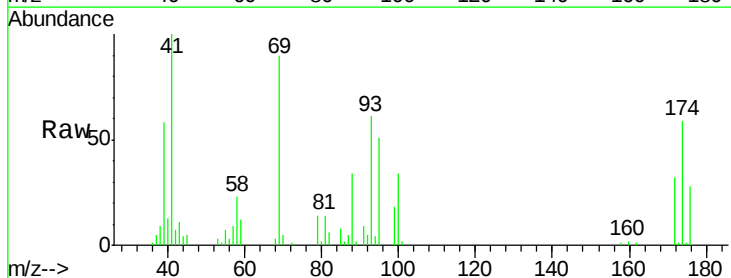
Tgt Ion: 41 Resp: 44335

Ion Ratio Lower Upper

41 100

69 91.0 71.8 107.8

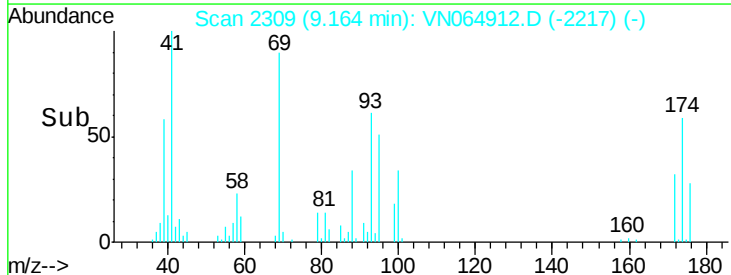
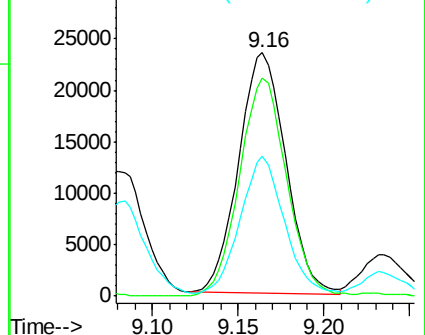
39 54.0 44.1 66.1

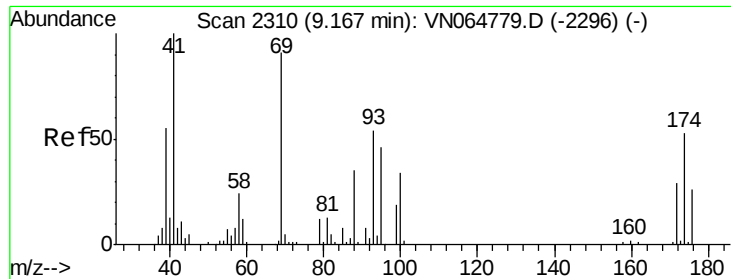


Abundance Ion 41.00 (40.70 to 41.70): VN064912.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN064912.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN064912.D (-2217) (-)





#49

1,4-Dioxane

Concen: 334.224 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

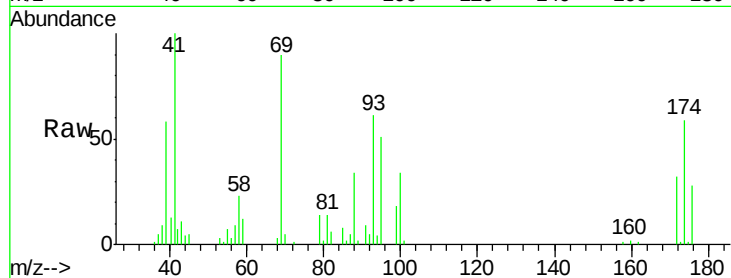
Tot Ion: 88 Resp: 16225

Ion Ratio Lower Upper

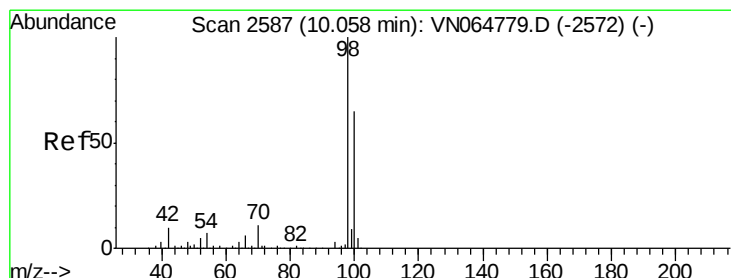
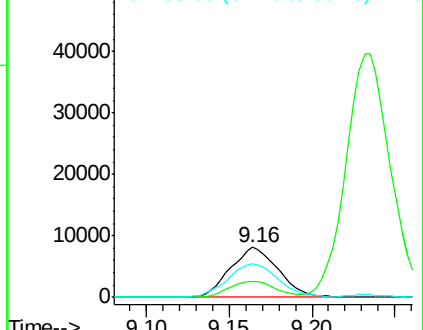
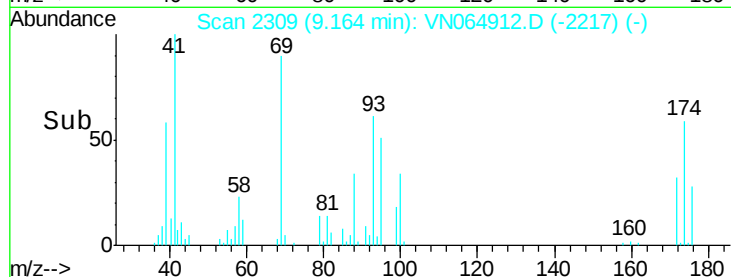
88 100

43 31.2 24.2 36.4

58 71.2 52.5 78.7



Abundance Ion 88.00 (87.70 to 88.70): VN064912.D (-2217) (-)



#50

Toluene-d8

Concen: 51.517 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064912.D

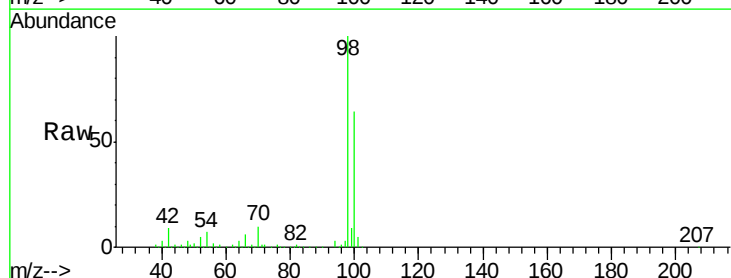
Acq: 4 Dec 2020 12:28

Tgt Ion: 98 Resp: 471237

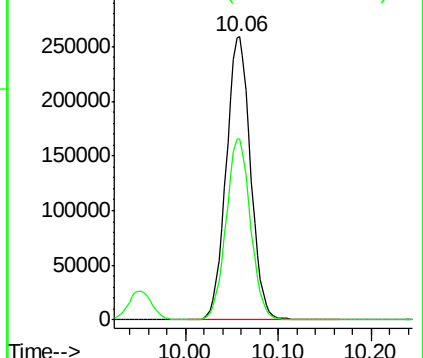
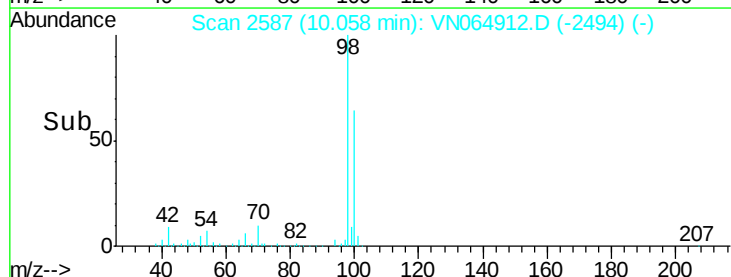
Ion Ratio Lower Upper

98 100

100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064912.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 87.456 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

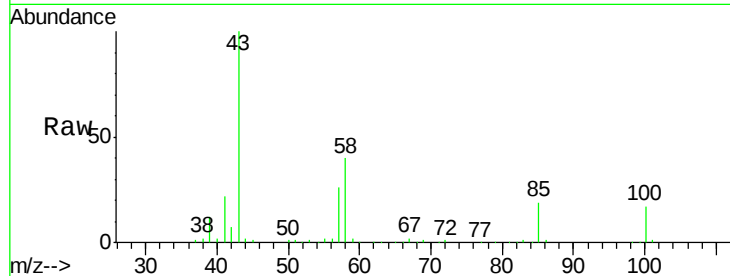
VN1204WBS01

Tot Ion: 43 Resp: 282224

Ion Ratio Lower Upper

43 100

58 40.2 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

9.95

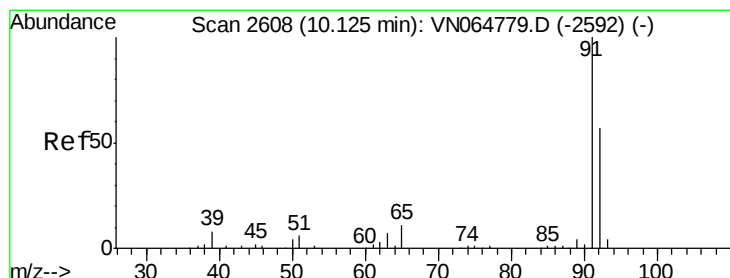
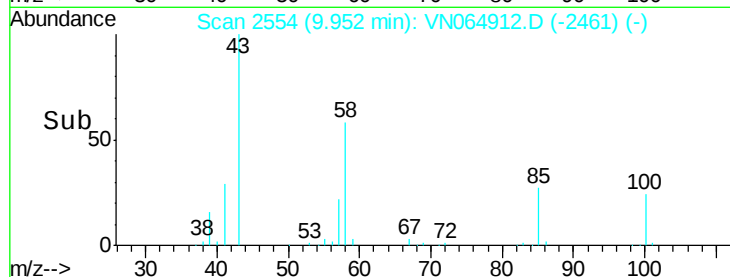
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.523 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064912.D

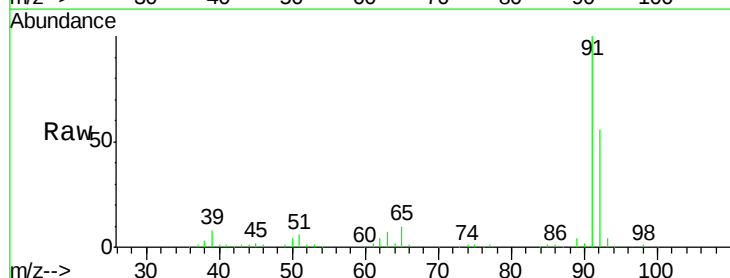
Acq: 4 Dec 2020 12:28

Tgt Ion: 92 Resp: 121221

Ion Ratio Lower Upper

92 100

91 176.6 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064779.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064779.D (-2592) (-)

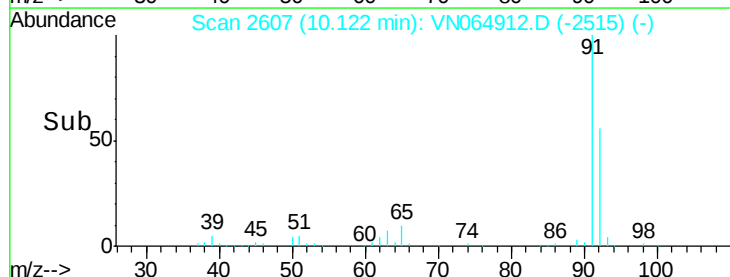
10.12

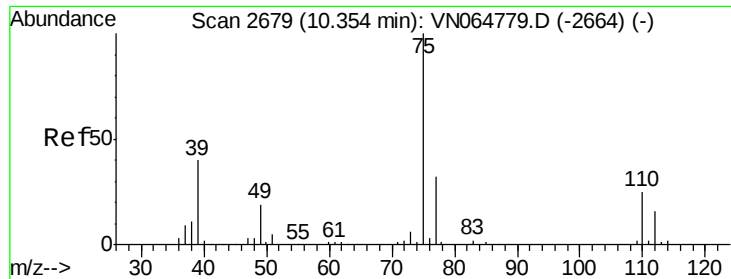
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.652 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

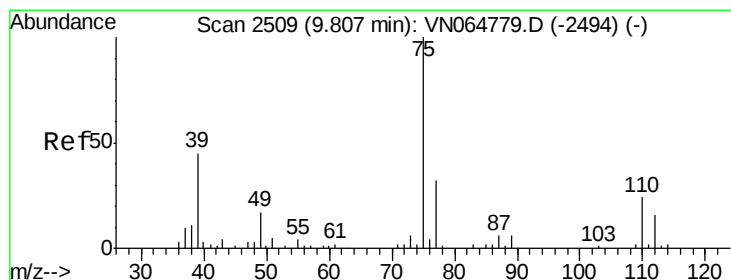
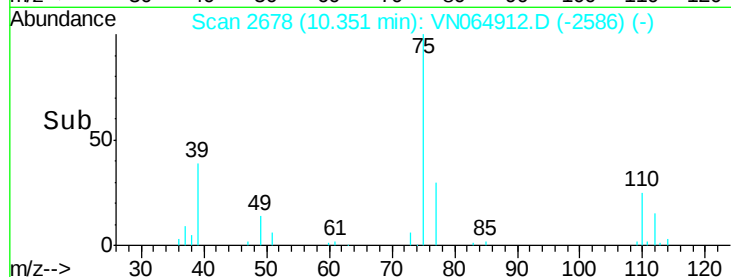
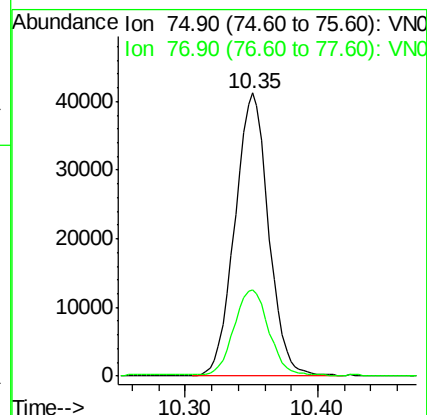
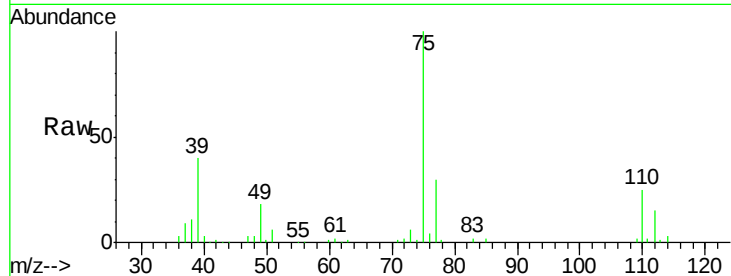
VN1204WBS01

Tot Ion: 75 Resp: 72733

Ion Ratio Lower Upper

75 100

77 30.5 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 18.695 ug/l

RT: 9.80 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

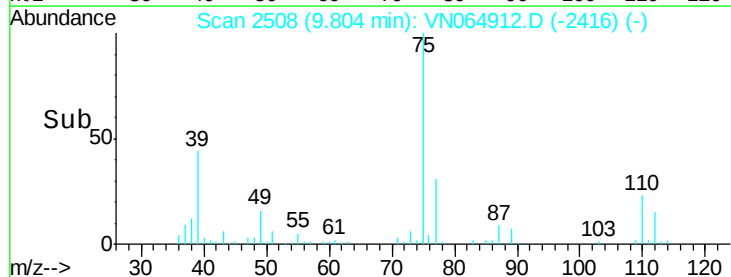
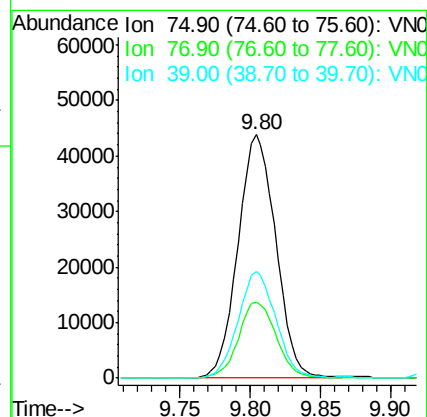
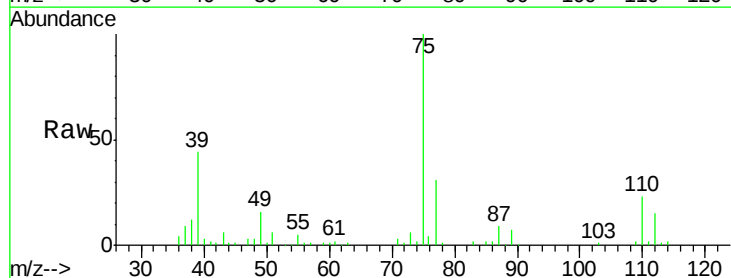
Tgt Ion: 75 Resp: 82565

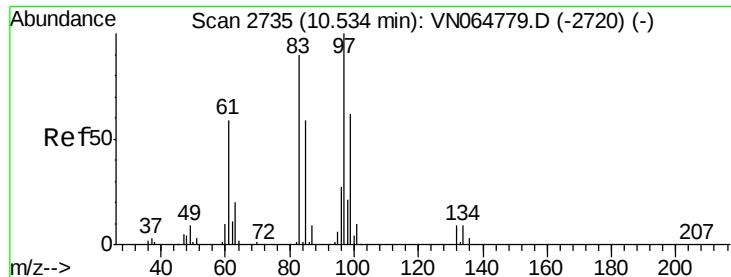
Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

39 44.0 35.6 53.4

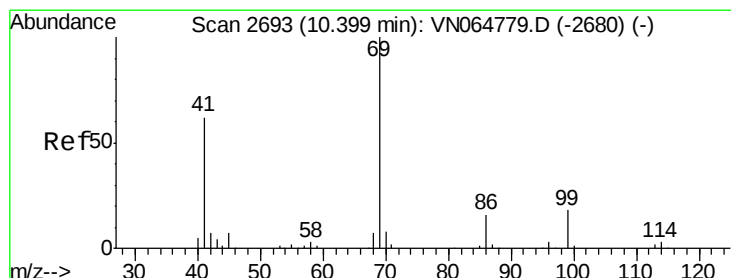
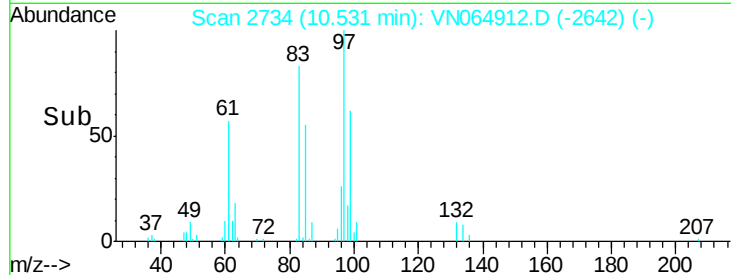
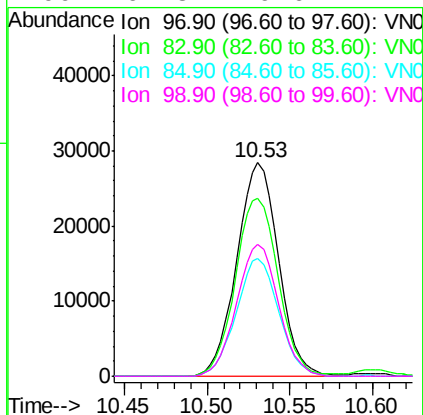
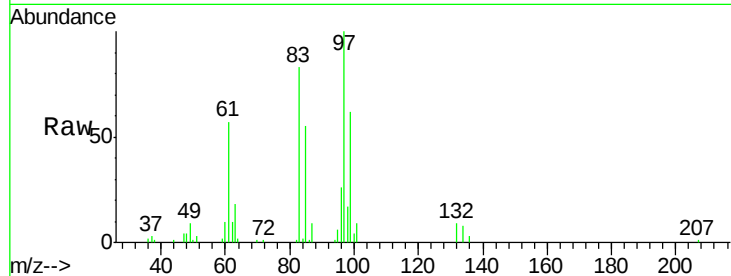




#55
 1,1,2-Trichloroethane
 Concen: 18.533 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

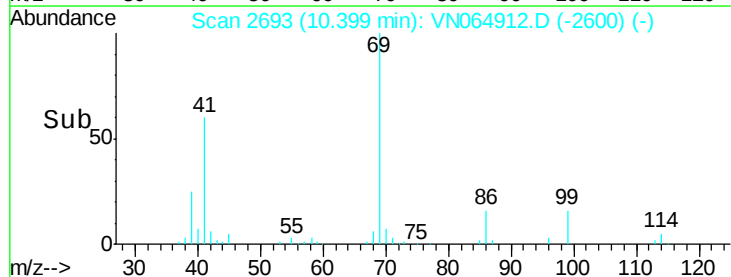
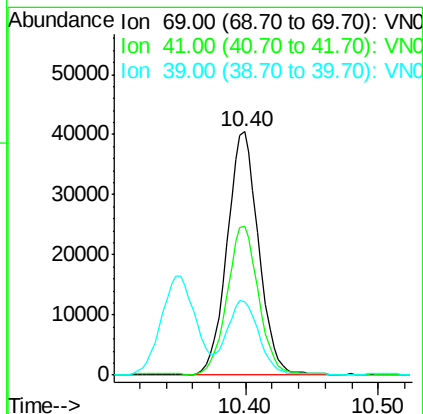
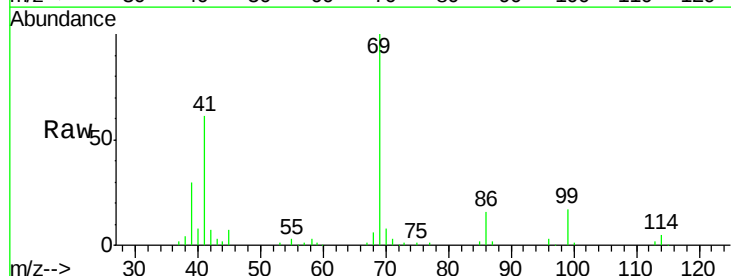
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

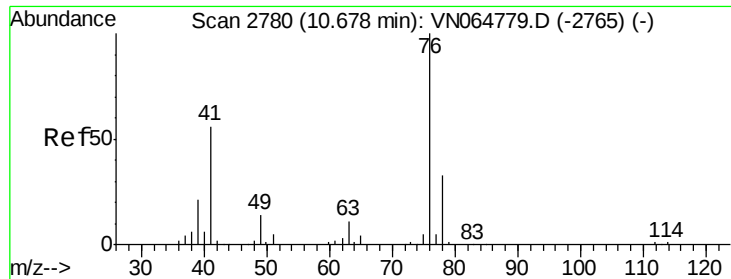
Tot Ion: 97 Resp: 49876
 Ion Ratio Lower Upper
 97 100
 83 83.3 72.1 108.1
 85 55.4 46.8 70.2
 99 61.8 49.6 74.4



#56
 Ethyl methacrylate
 Concen: 17.938 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion: 69 Resp: 66616
 Ion Ratio Lower Upper
 69 100
 41 61.6 49.4 74.0
 39 30.0 25.9 38.9

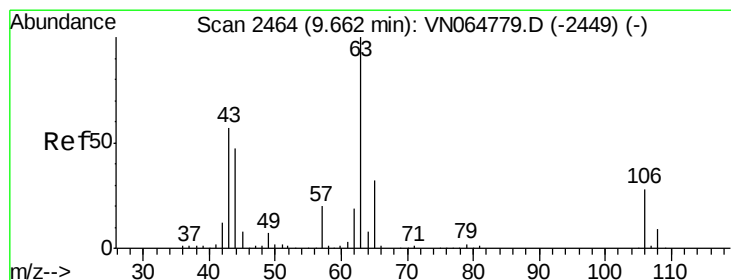
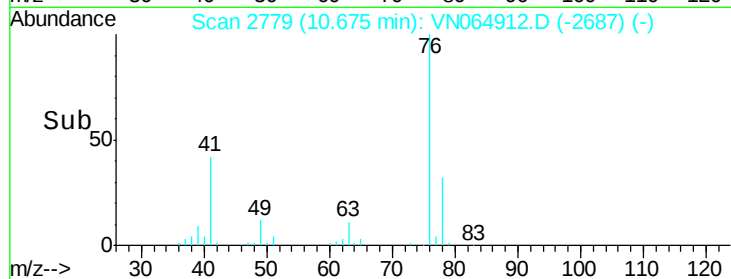
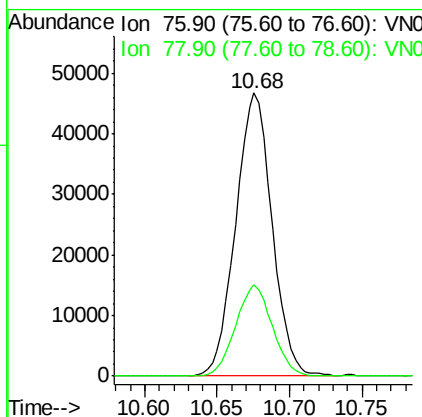
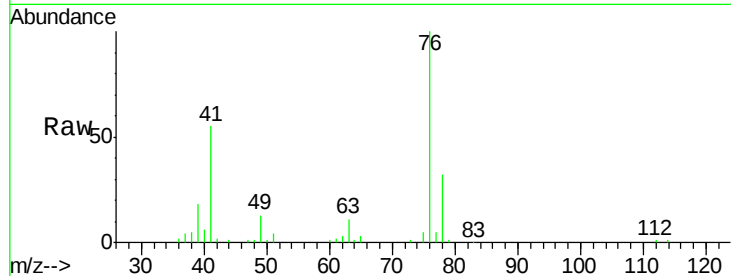




#57
 1,3-Dichloropropane
 Concen: 18.359 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

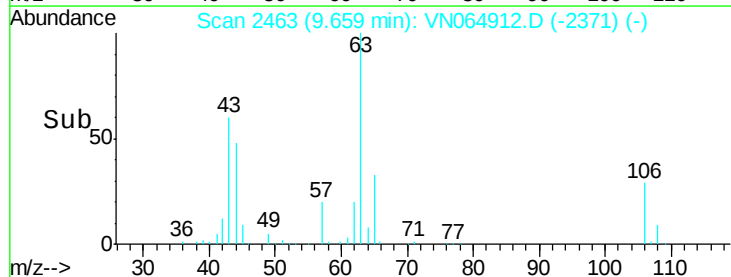
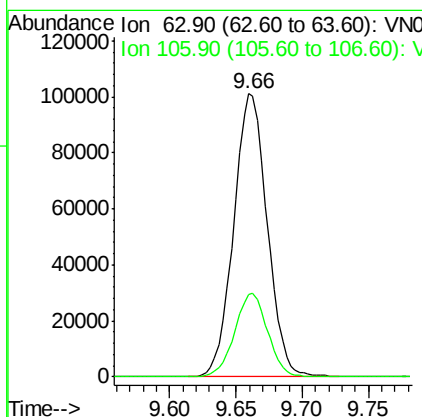
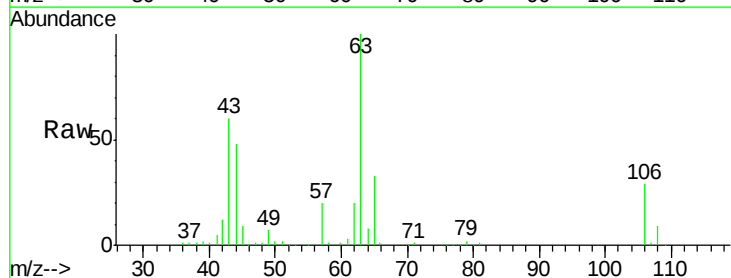
Instrument :
 MSVOA_N
 ClientSampled :
 VN1204WBS01

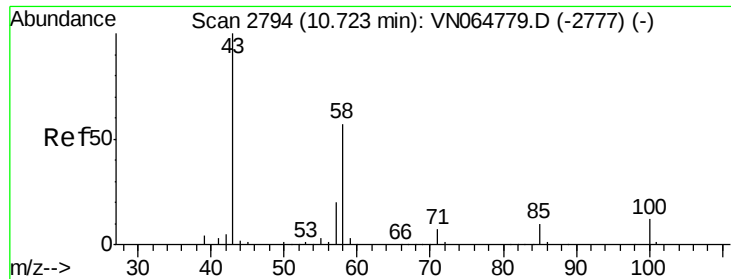
Tot Ion: 76 Resp: 81500
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.826 ug/l
 RT: 9.66 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion: 63 Resp: 177366
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.7 34.1

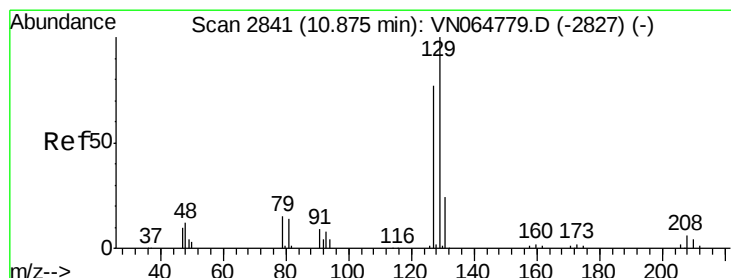
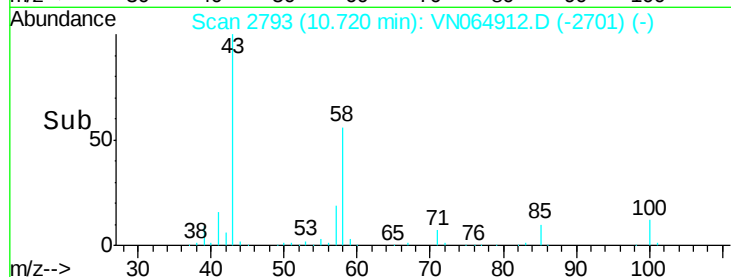
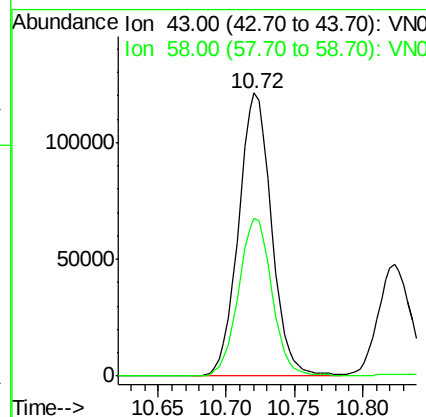
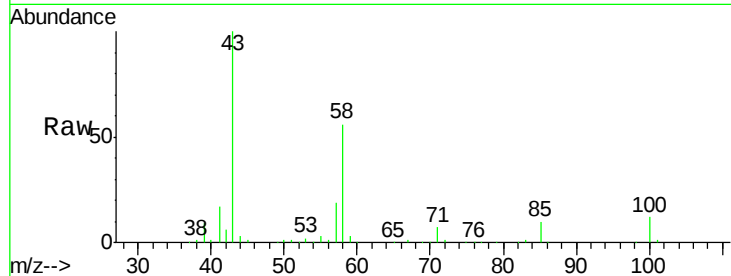




#59
2-Hexanone
Concen: 87.827 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

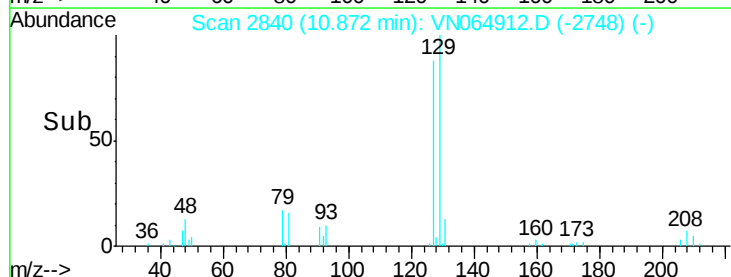
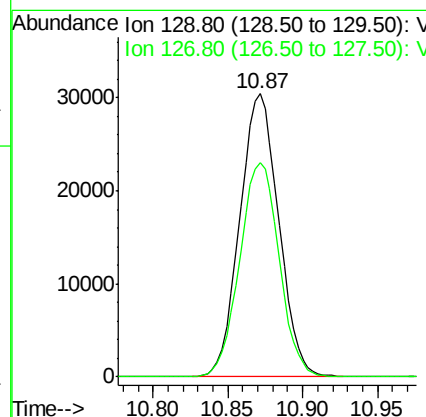
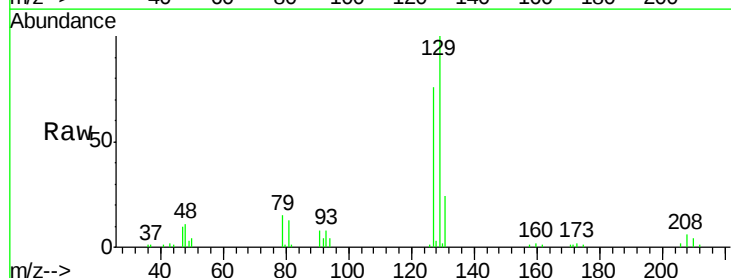
Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion: 43 Resp: 203973
Ion Ratio Lower Upper
43 100
58 56.4 28.3 84.9



#60
Dibromochloromethane
Concen: 18.452 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 129 Resp: 55199
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.287 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

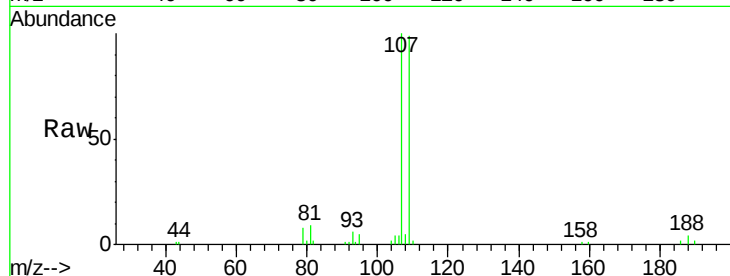
VN1204WBS01

Tot Ion:107 Resp: 49998

Ion Ratio Lower Upper

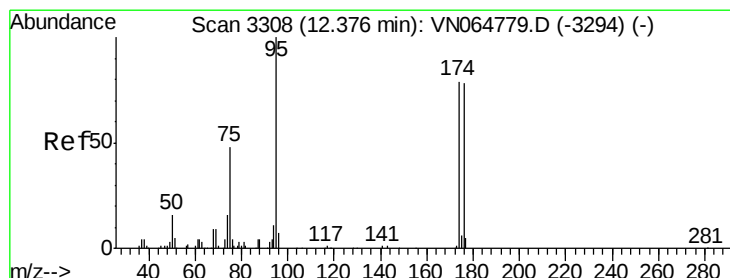
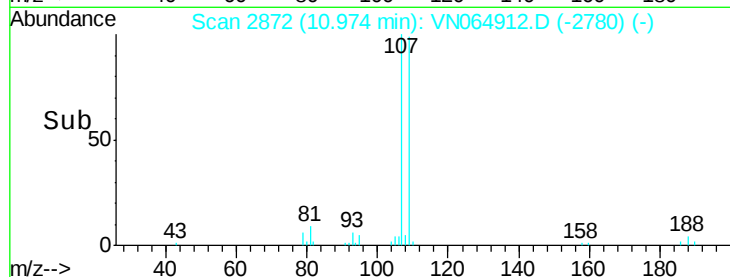
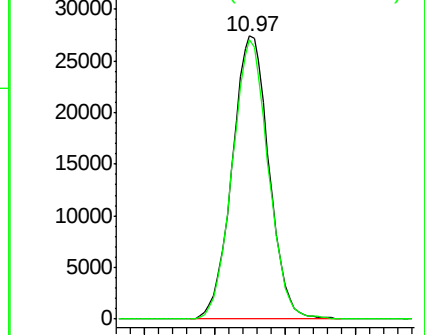
107 100

109 96.5 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.232 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

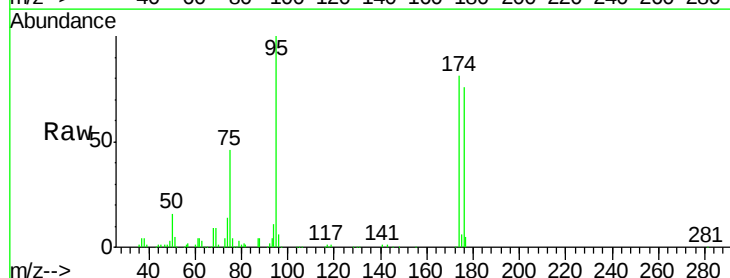
Tgt Ion: 95 Resp: 167715

Ion Ratio Lower Upper

95 100

174 82.0 0.0 160.4

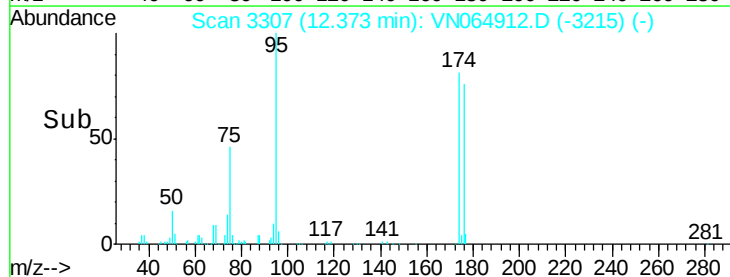
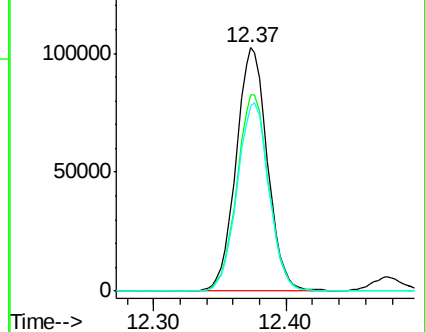
176 78.6 0.0 158.4

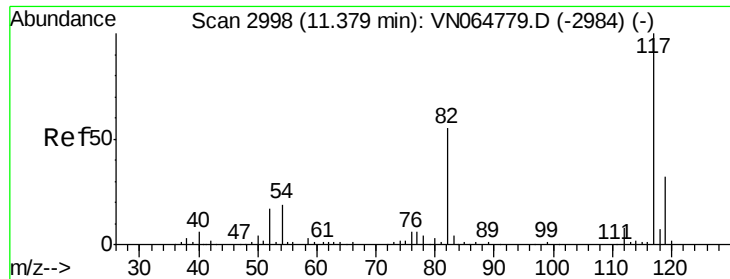


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

VN1204WBS01

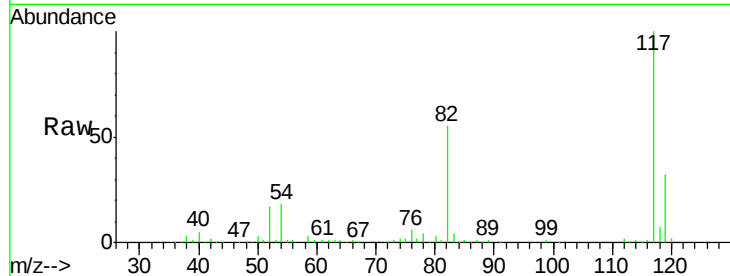
Tot Ion:117 Resp: 337640

Ion Ratio Lower Upper

117 100

82 54.6 44.2 66.2

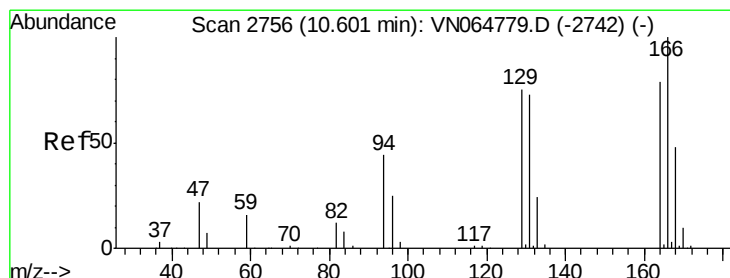
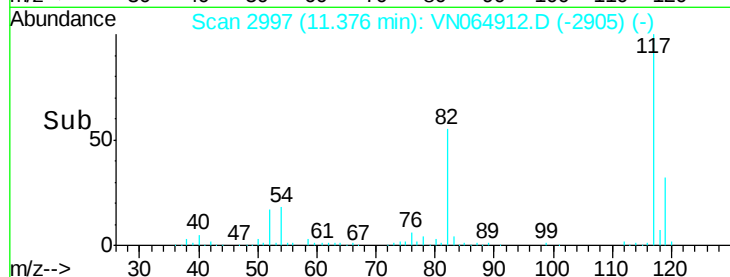
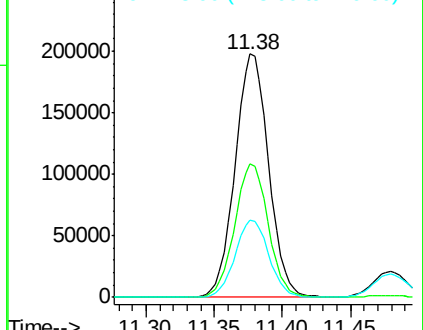
119 31.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.223 ug/l

RT: 10.60 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Tgt Ion:164 Resp: 59862

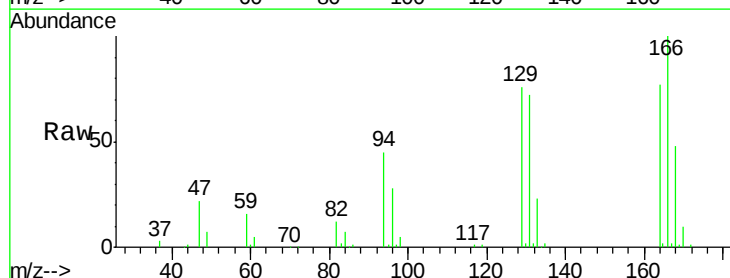
Ion Ratio Lower Upper

164 100

166 129.7 101.4 152.0

129 99.0 76.1 114.1

131 93.9 74.2 111.2

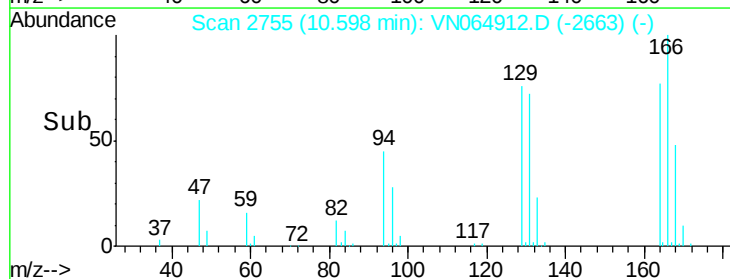
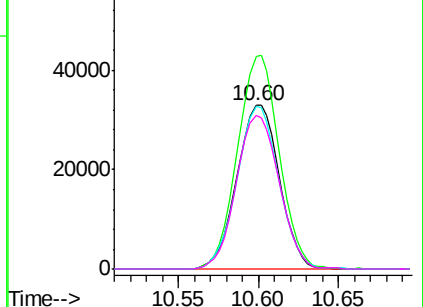


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

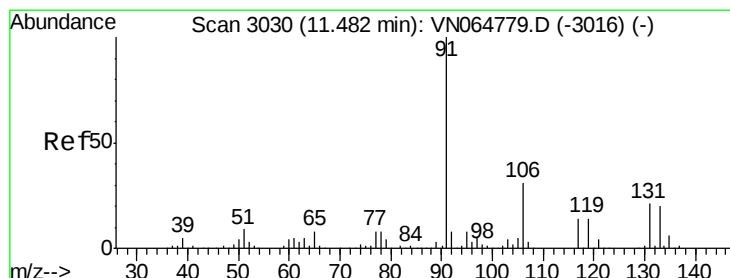
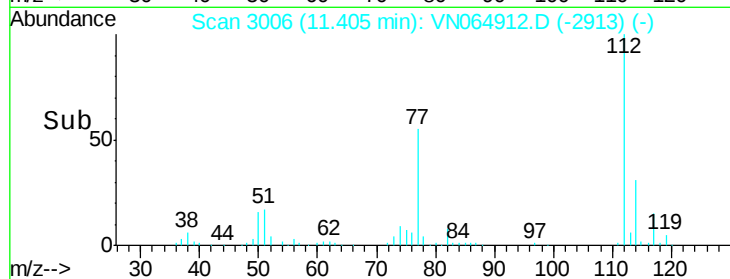
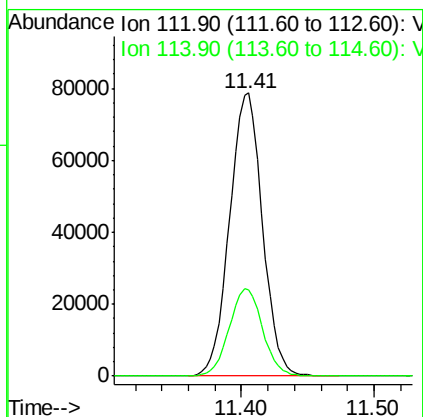
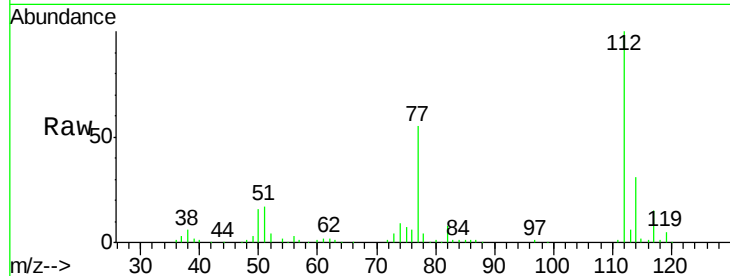




#65
Chlorobenzene
Concen: 18.670 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

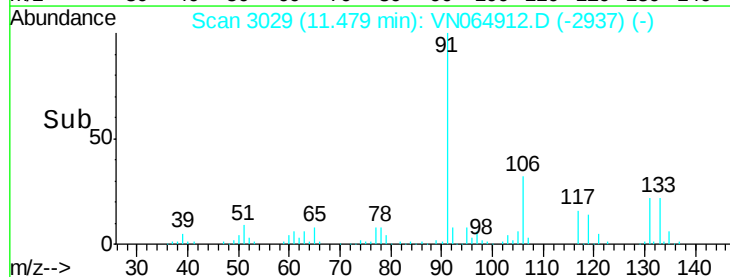
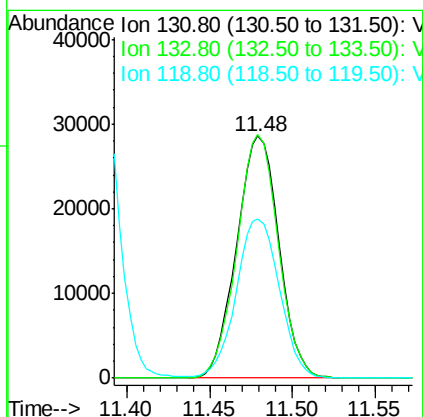
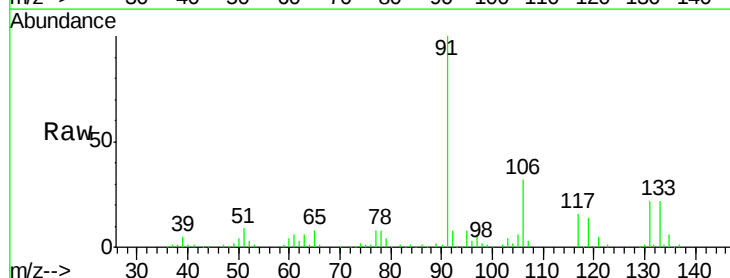
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

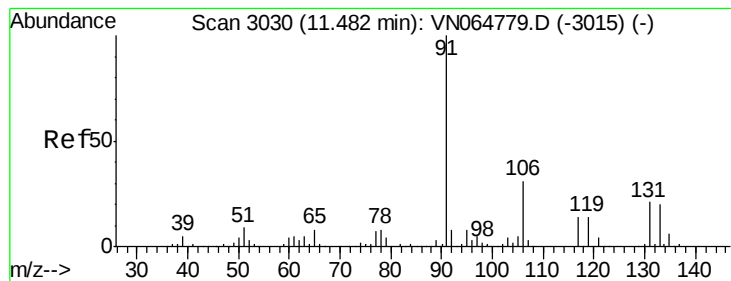
Tot Ion:112 Resp: 135373
Ion Ratio Lower Upper
112 100
114 30.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.091 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion:131 Resp: 50871
Ion Ratio Lower Upper
131 100
133 98.1 47.5 142.5
119 67.2 33.3 99.8





#67

Ethyl Benzene

Concen: 18.443 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

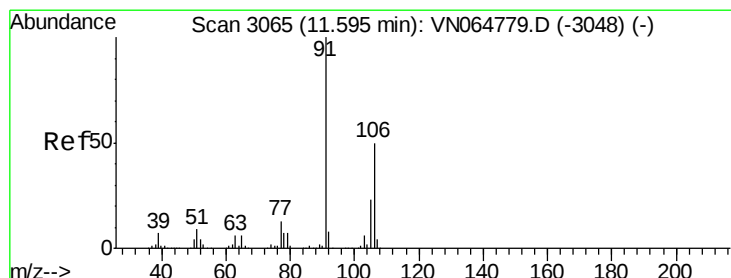
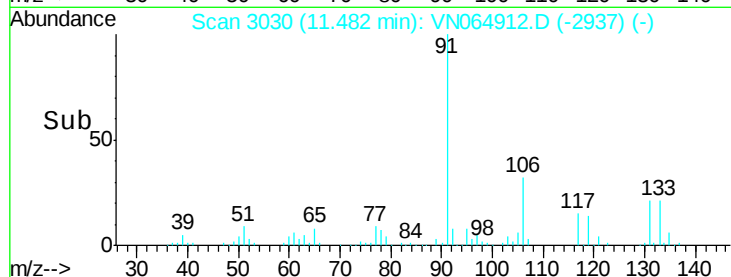
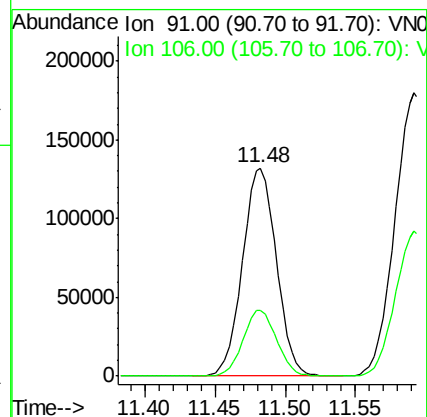
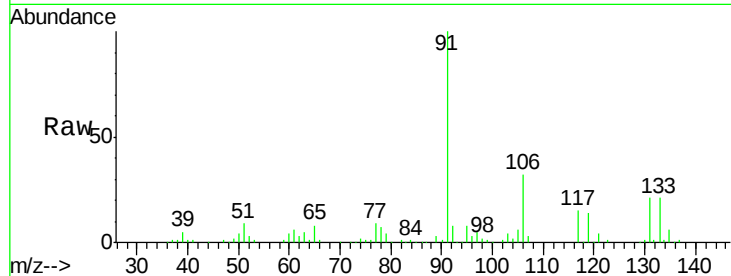
VN1204WBS01

Tot Ion: 91 Resp: 223394

Ion Ratio Lower Upper

91 100

106 31.8 25.2 37.8



#68

m/p-Xylenes

Concen: 38.617 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064912.D

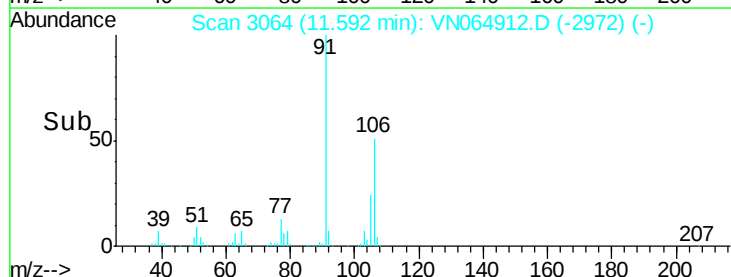
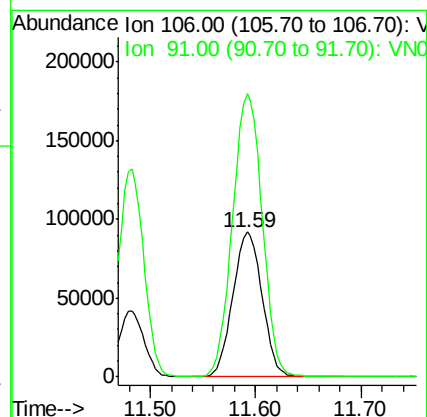
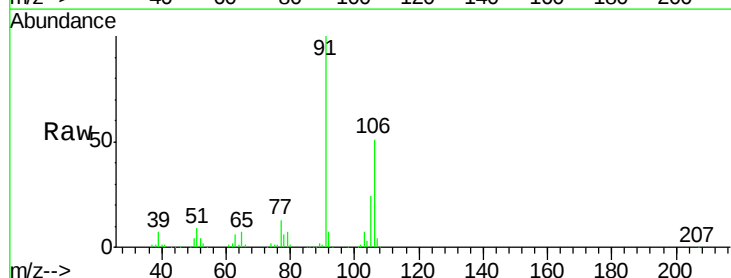
Acq: 4 Dec 2020 12:28

Tgt Ion: 106 Resp: 177097

Ion Ratio Lower Upper

106 100

91 197.8 161.0 241.4

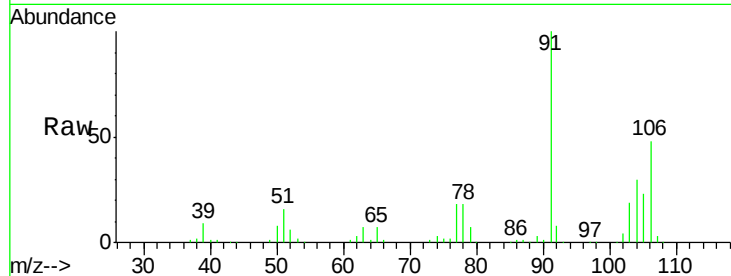




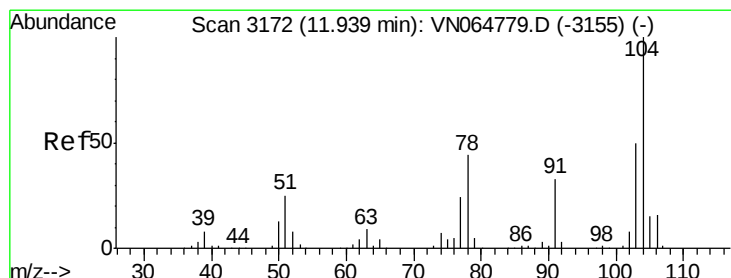
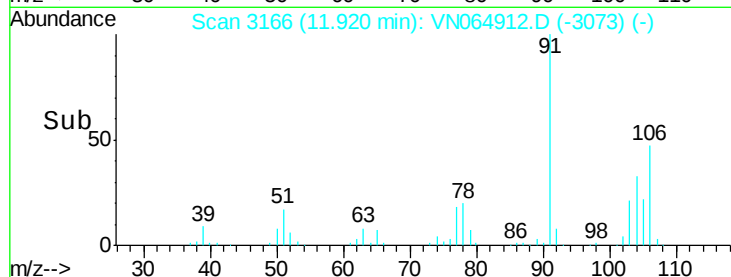
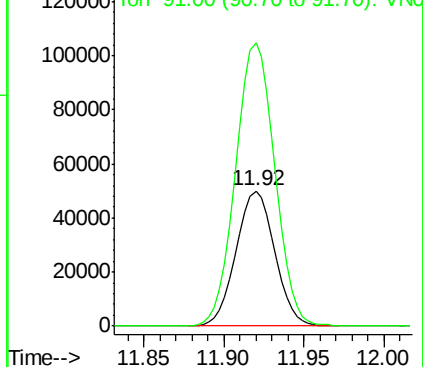
#69
o-Xylene
Concen: 18.929 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion:106 Resp: 82378
Ion Ratio Lower Upper
106 100
91 212.0 105.5 316.5

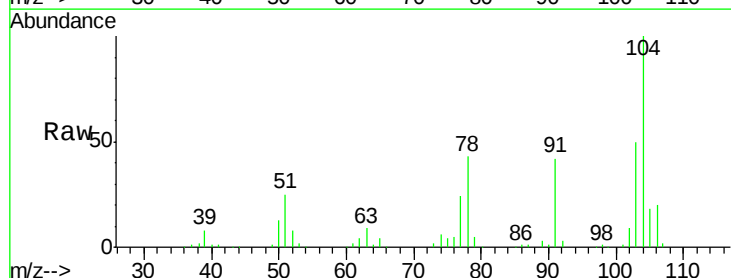


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

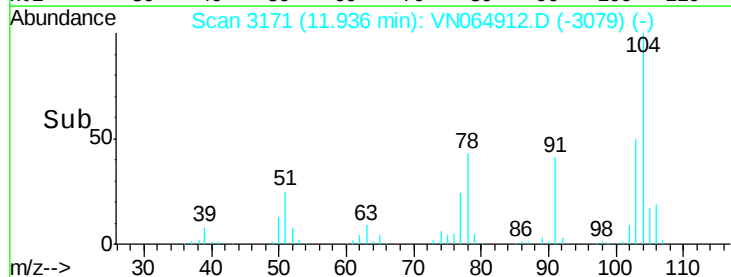
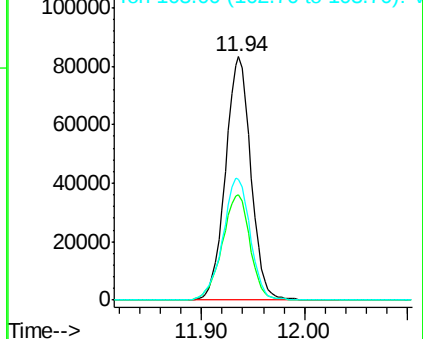


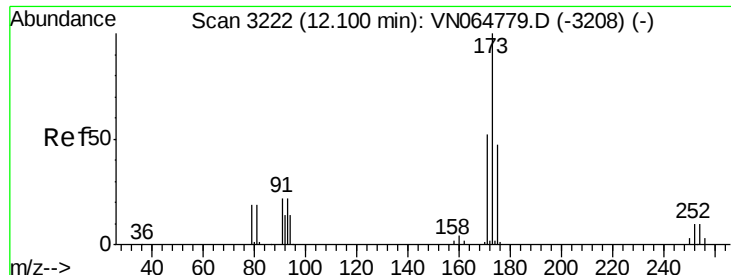
#70
Styrene
Concen: 19.467 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion:104 Resp: 143018
Ion Ratio Lower Upper
104 100
78 47.5 39.0 58.6
103 53.9 44.3 66.5



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





#71

Bromoform

Concen: 17.706 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

VN1204WBS01

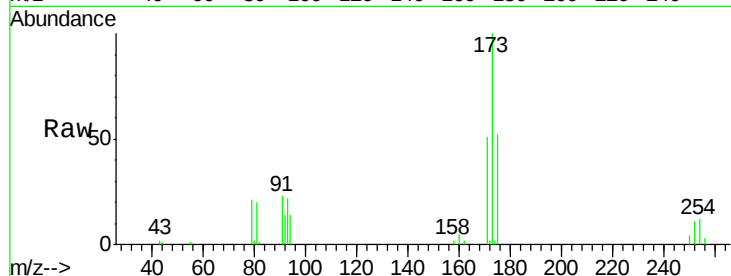
Tot Ion:173 Resp: 37684

Ion Ratio Lower Upper

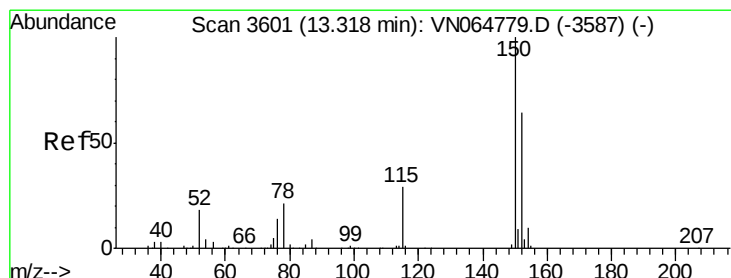
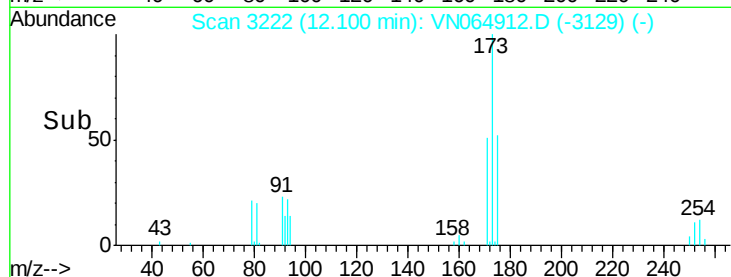
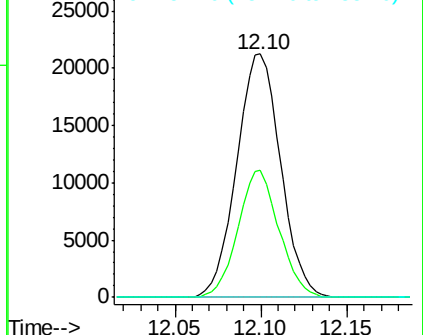
173 100

175 48.7 24.3 72.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

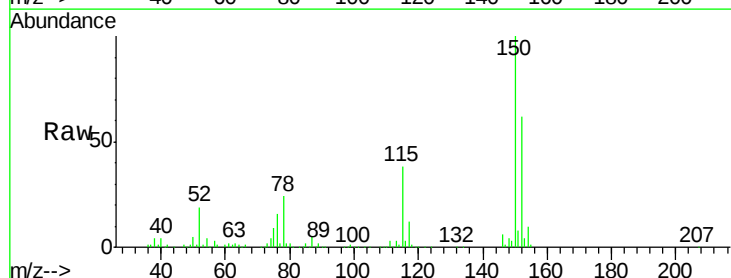
Tgt Ion:152 Resp: 161961

Ion Ratio Lower Upper

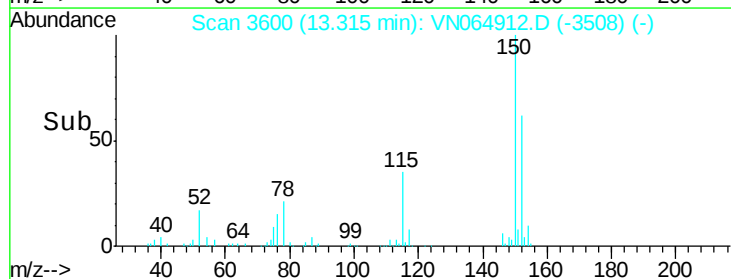
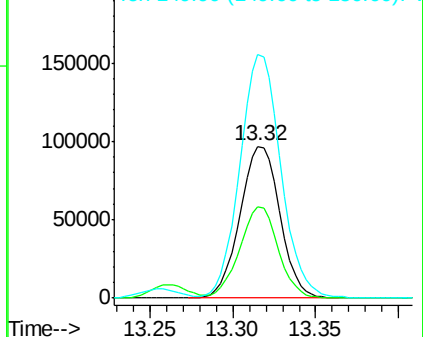
152 100

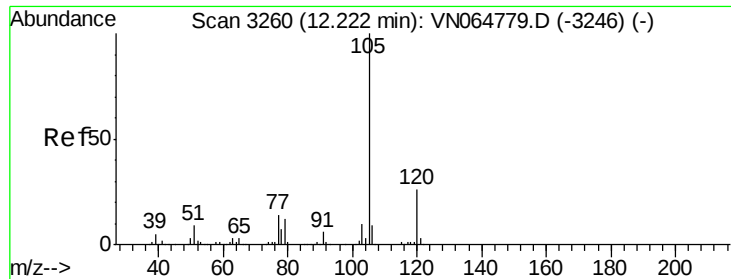
115 57.8 29.7 89.1

150 164.9 0.0 350.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.436 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

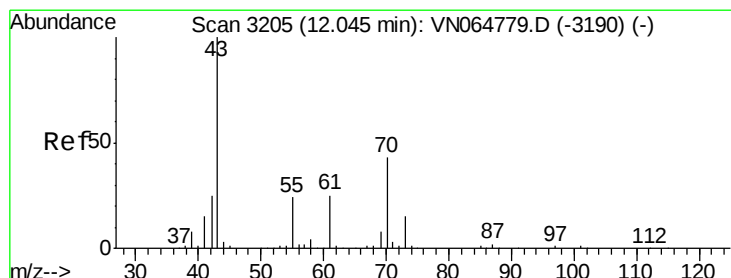
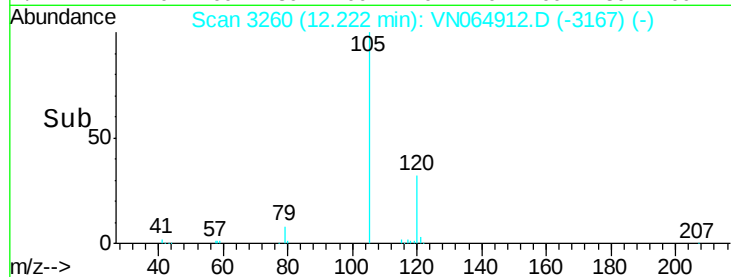
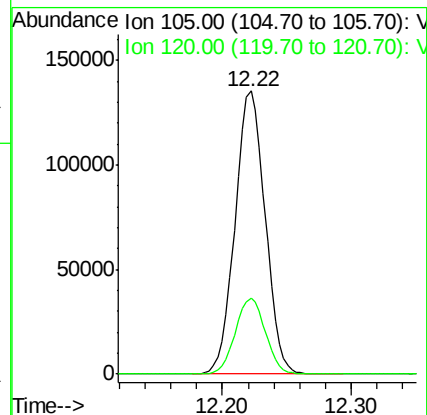
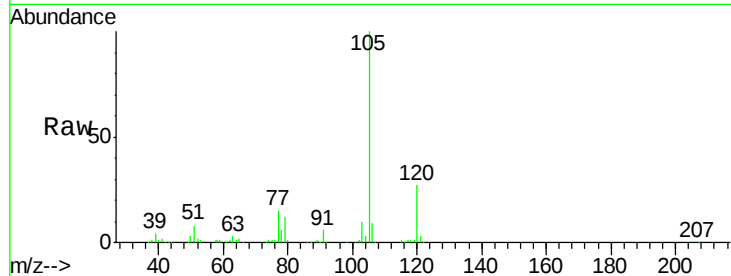
VN1204WBS01

Tot Ion:105 Resp: 218955

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 17.315 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Tgt Ion: 43 Resp: 76766

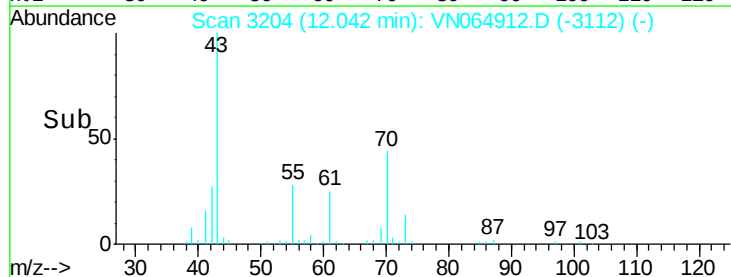
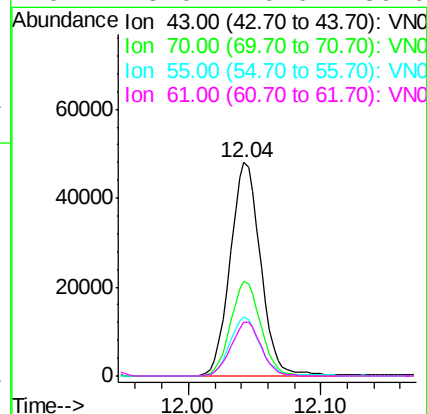
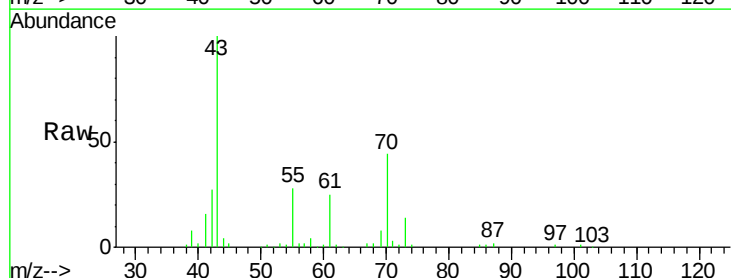
Ion Ratio Lower Upper

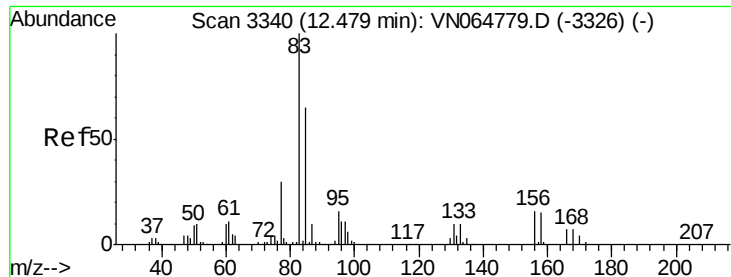
43 100

70 44.0 34.5 51.7

55 27.1 20.4 30.6

61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.378 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

VN1204WBS01

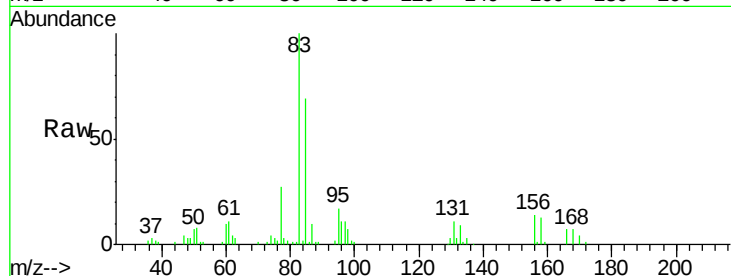
Tot Ion: 83 Resp: 60682

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

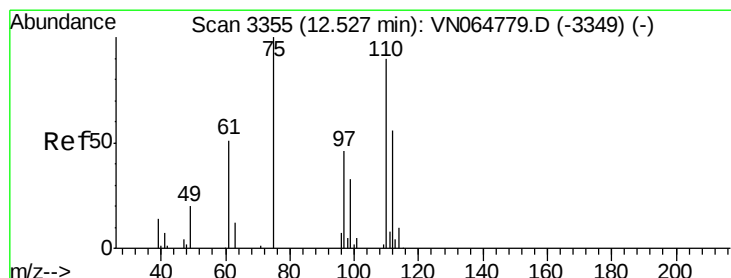
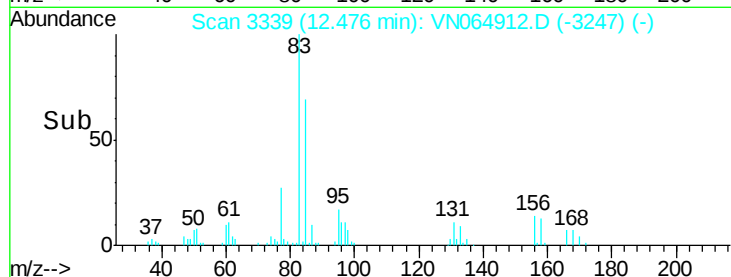
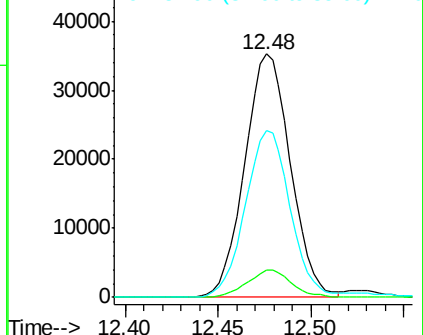
85 67.0 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 24.893 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064912.D

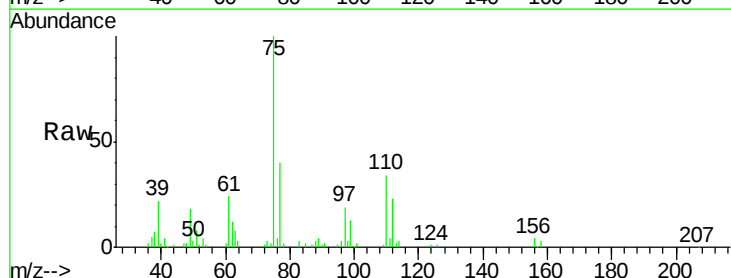
Acq: 4 Dec 2020 12:28

Tgt Ion: 75 Resp: 86827

Ion Ratio Lower Upper

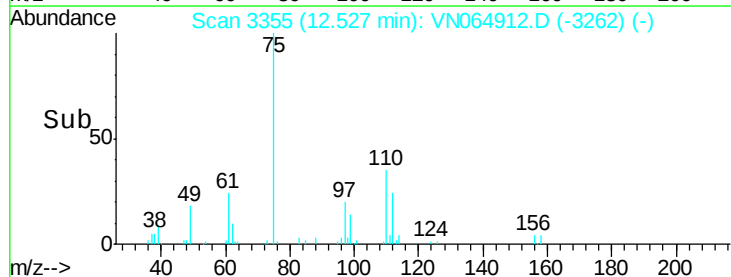
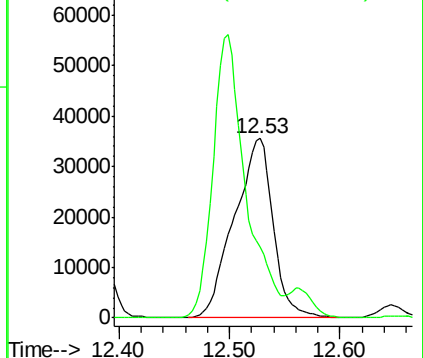
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.214 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

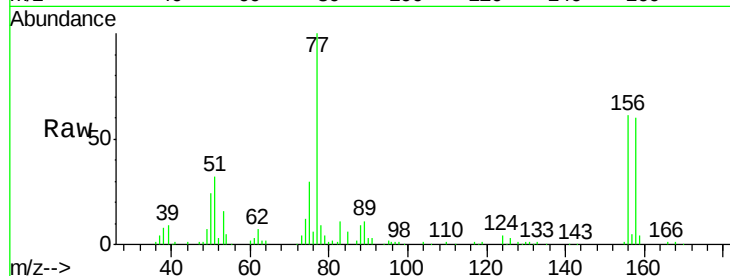
Tot Ion:156 Resp: 58357

Ion Ratio Lower Upper

156 100

77 199.4 101.3 303.7

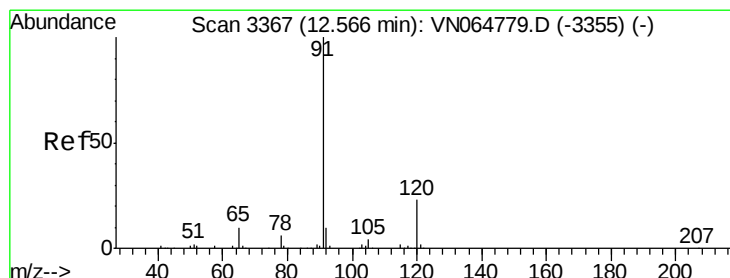
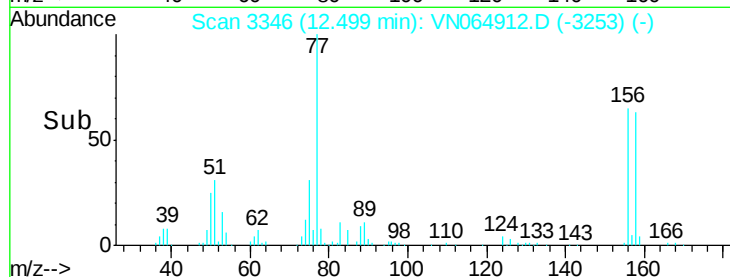
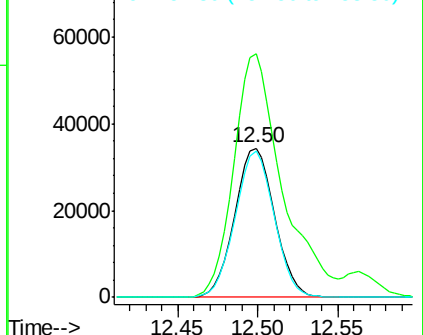
158 95.6 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.112 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064912.D

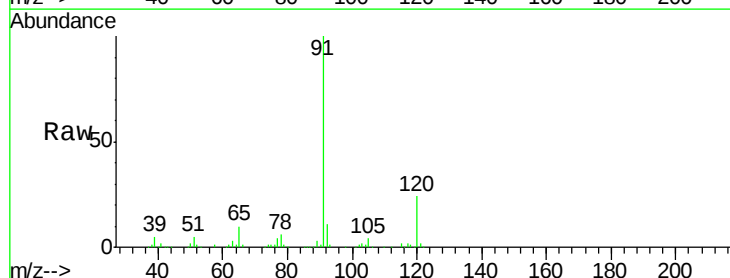
Acq: 4 Dec 2020 12:28

Tgt Ion: 91 Resp: 245271

Ion Ratio Lower Upper

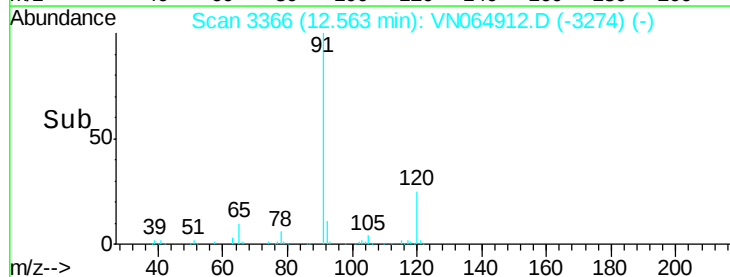
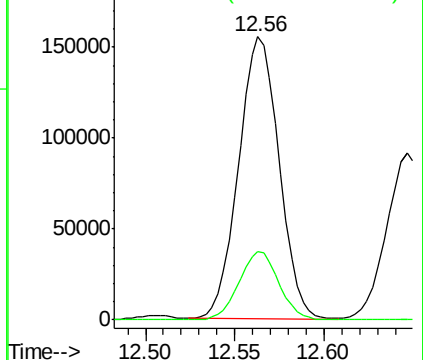
91 100

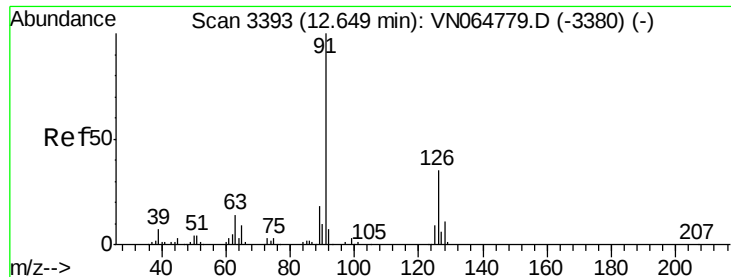
120 23.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

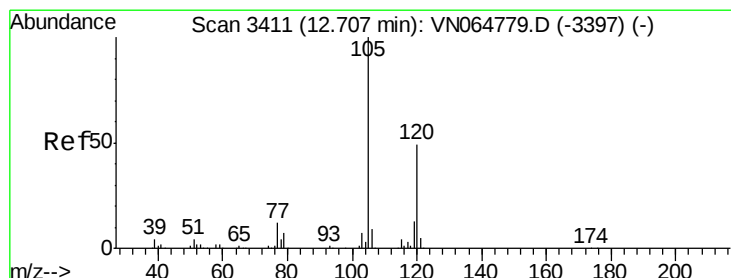
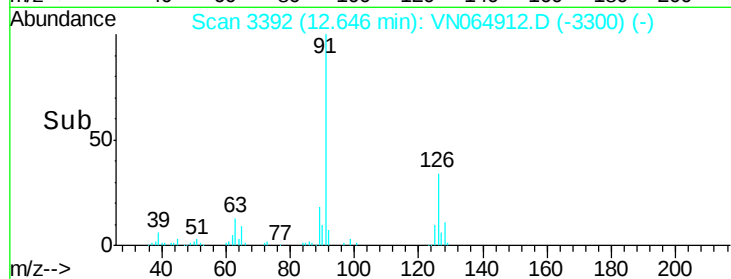
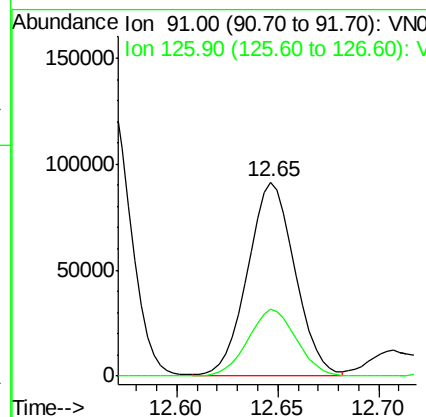
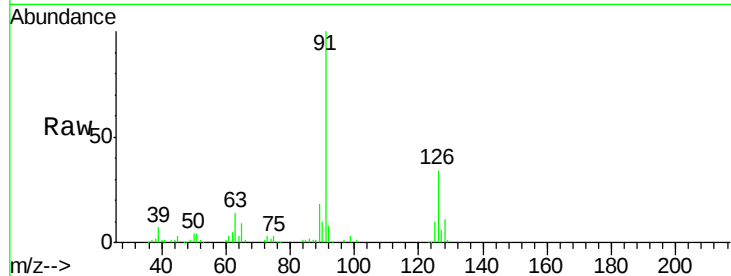




#79
 2-Chlorotoluene
 Concen: 18.734 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

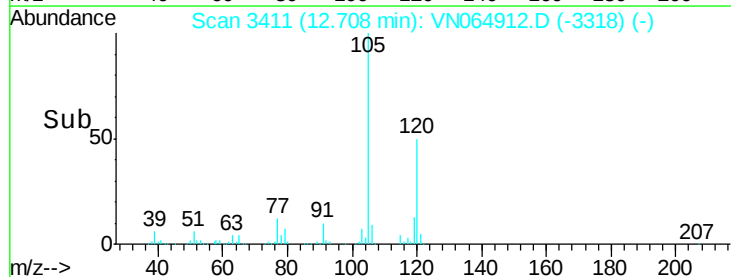
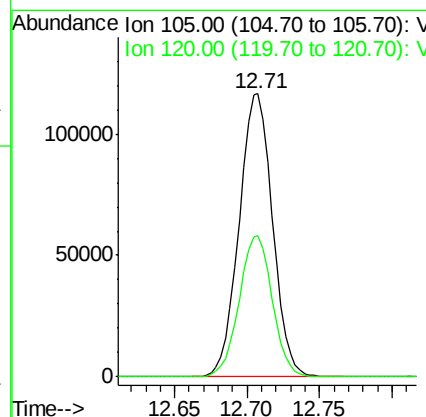
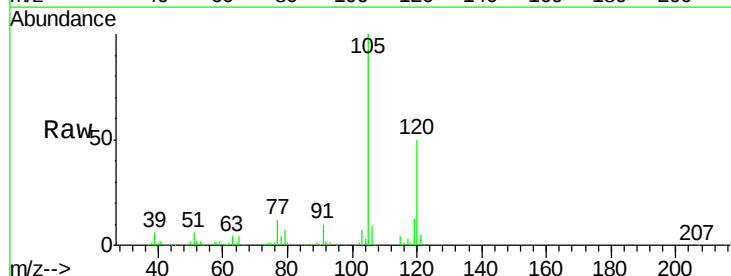
Instrument :
 MSVOA_N
 ClientSampled :
 VN1204WBS01

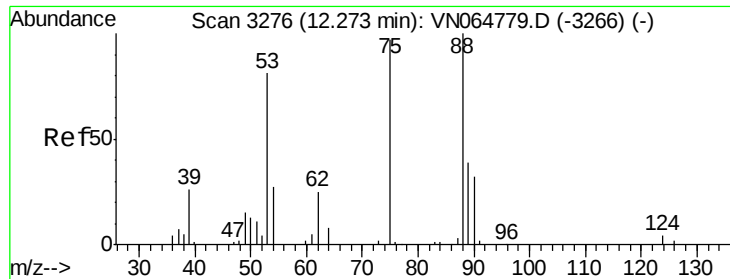
Tot Ion: 91 Resp: 148614
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.2 51.6



#80
 1,3,5-Trimethylbenzene
 Concen: 19.935 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion: 105 Resp: 186670
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.6 73.6

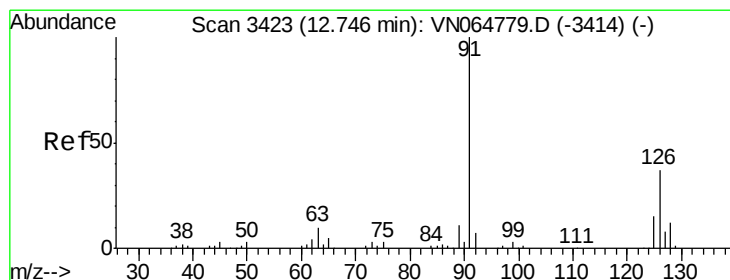
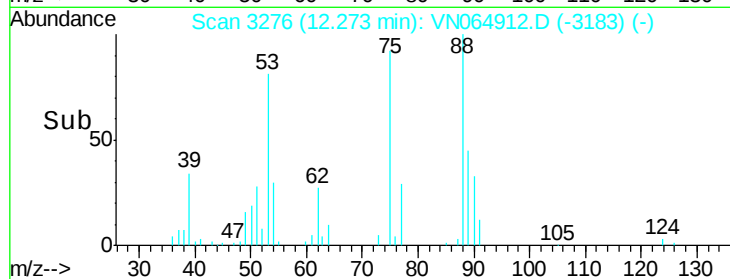
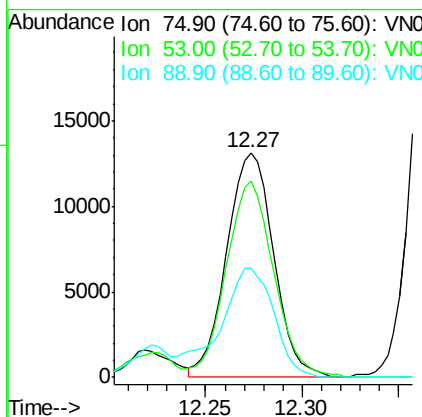
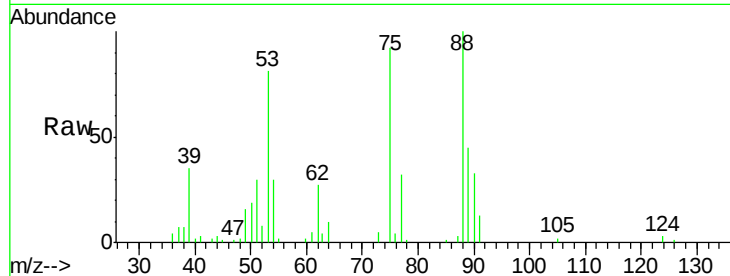




#81
trans-1,4-Dichloro-2-butene
Concen: 17.431 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

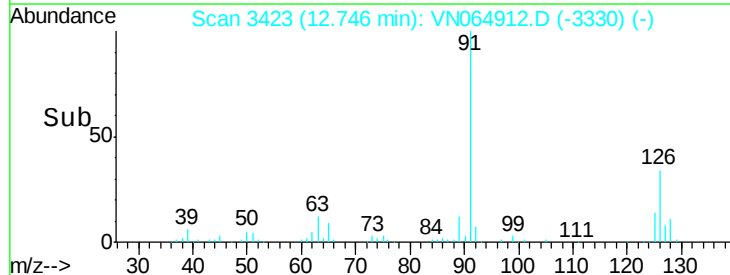
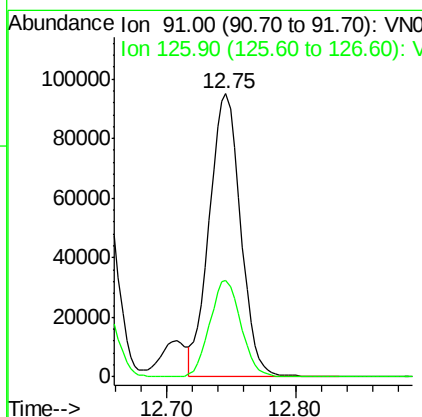
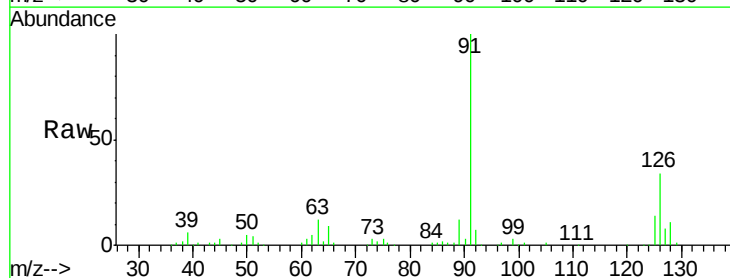
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

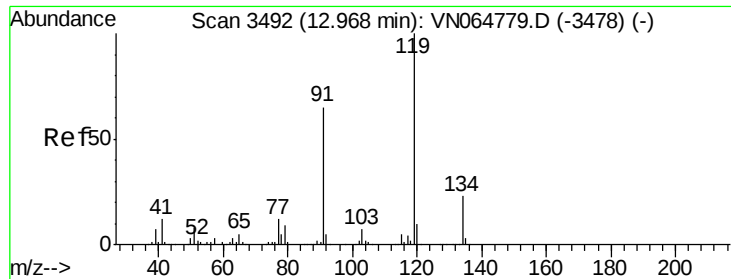
Tot Ion: 75 Resp: 22183
Ion Ratio Lower Upper
75 100
53 88.9 67.0 100.4
89 55.7 39.6 59.4



#82
4-Chlorotoluene
Concen: 19.289 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 91 Resp: 160394
Ion Ratio Lower Upper
91 100
126 33.7 16.9 50.7

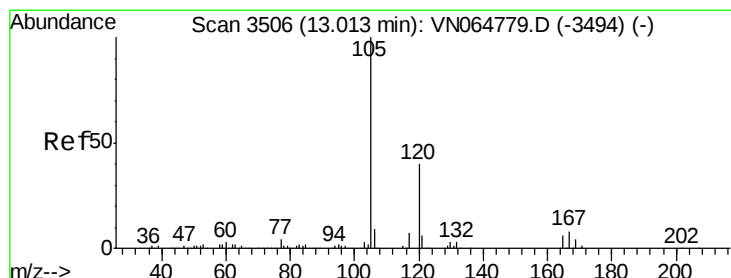
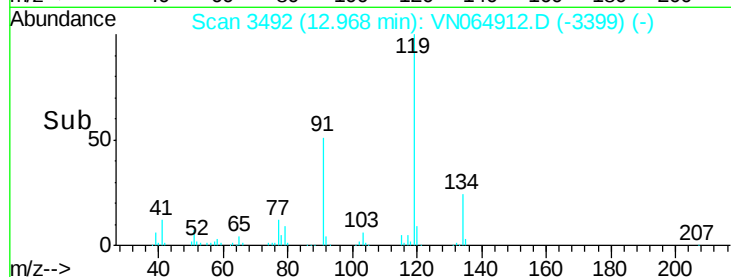
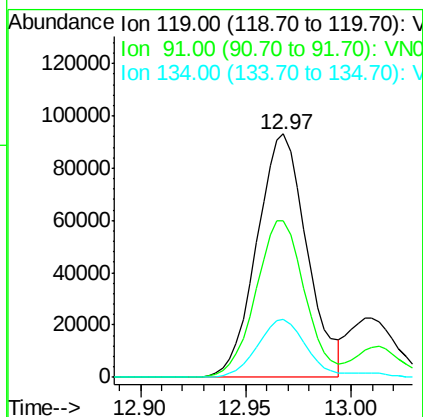
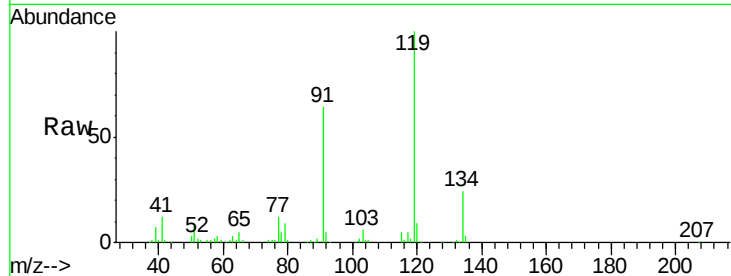




#83
tert-Butylbenzene
Concen: 19.598 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

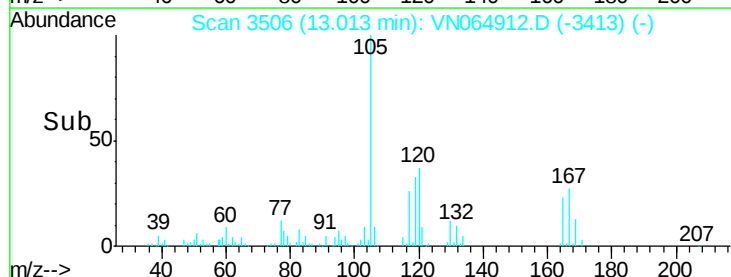
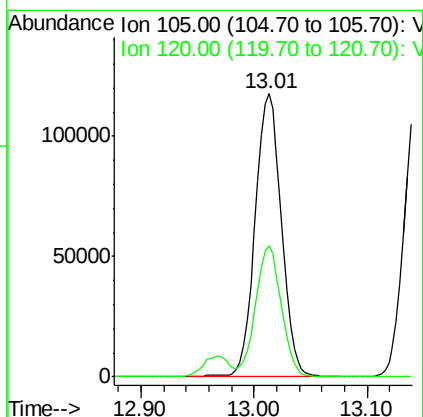
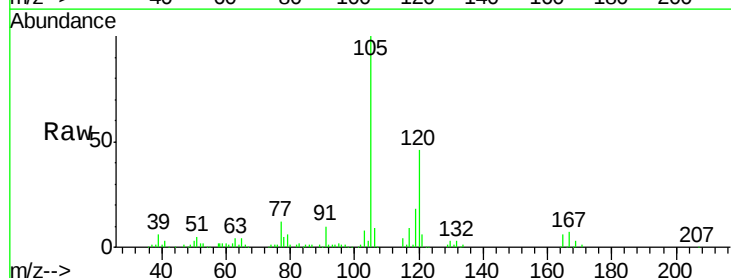
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

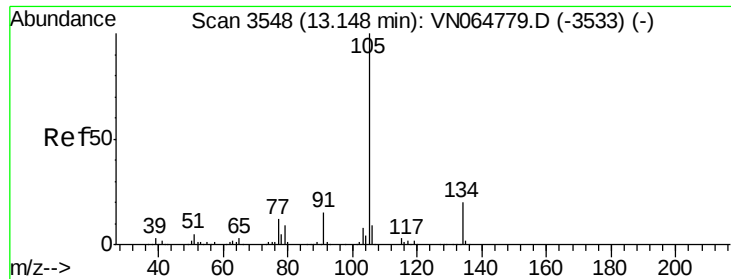
Tot Ion:119 Resp: 153819
Ion Ratio Lower Upper
119 100
91 63.0 32.3 96.8
134 24.4 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 20.091 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion:105 Resp: 190209
Ion Ratio Lower Upper
105 100
120 45.2 23.1 69.2





#85

sec-Butylbenzene

Concen: 19.421 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

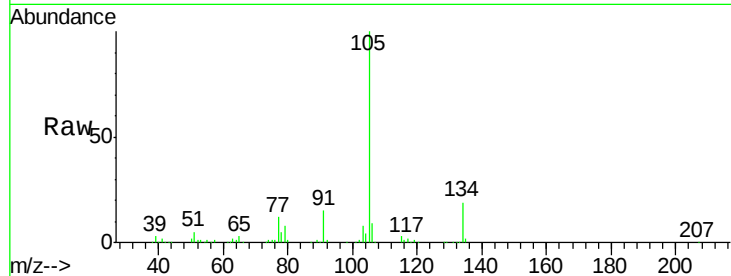
VN1204WBS01

Tot Ion:105 Resp: 202390

Ion Ratio Lower Upper

105 100

134 19.4 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

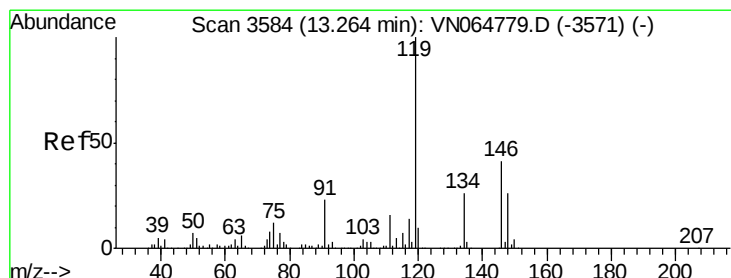
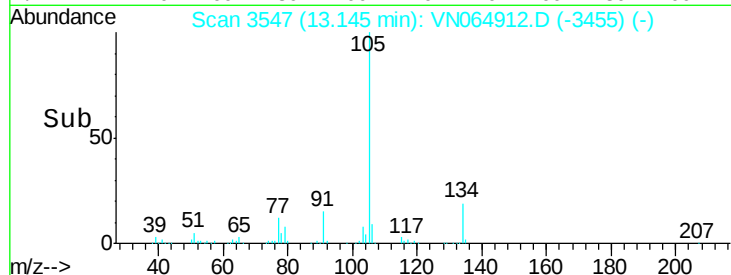
150000

100000

50000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 19.250 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

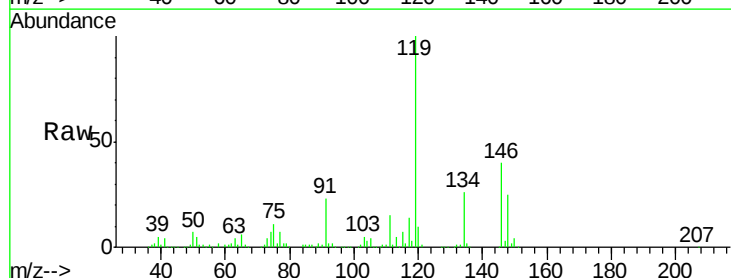
Tgt Ion:119 Resp: 182633

Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.1

91 23.6 11.5 34.5



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

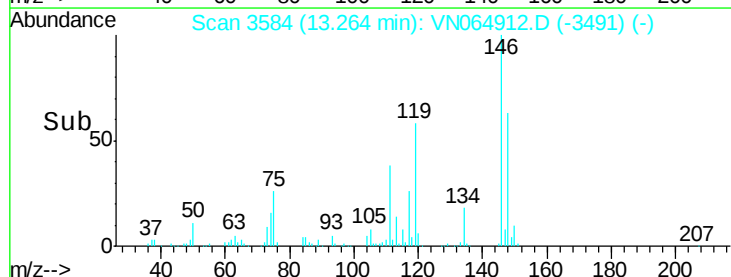
150000

100000

50000

0

Time--> 13.20 13.25 13.30

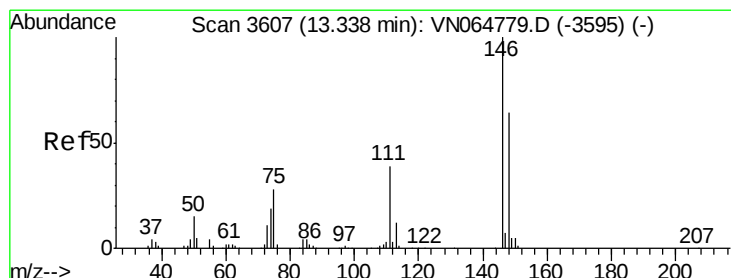
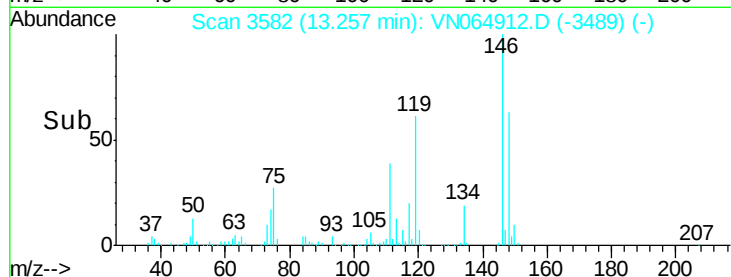
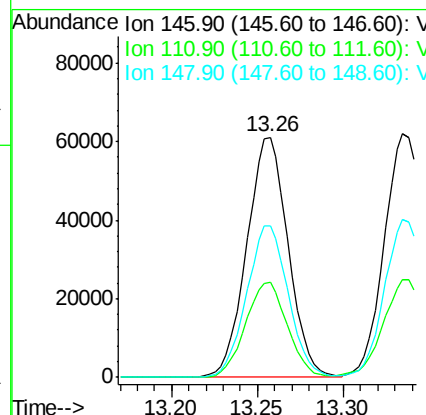
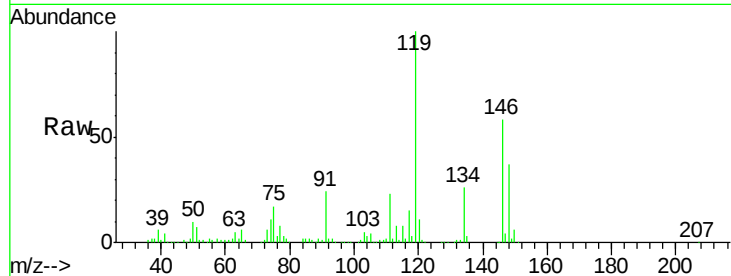




#87
 1,3-Dichlorobenzene
 Concen: 18.840 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

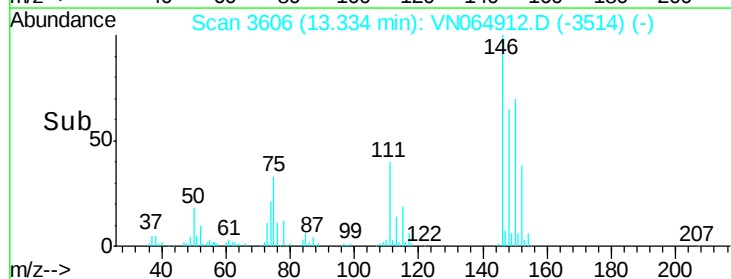
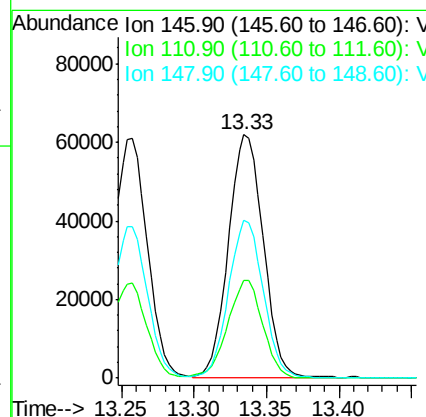
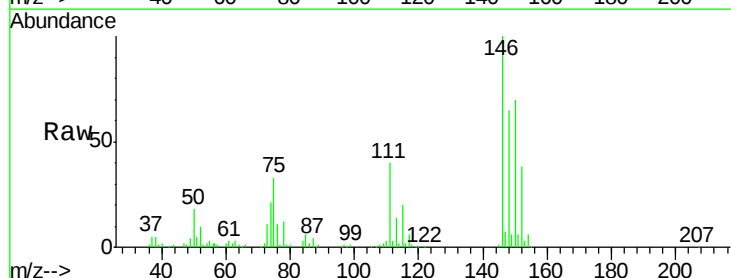
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

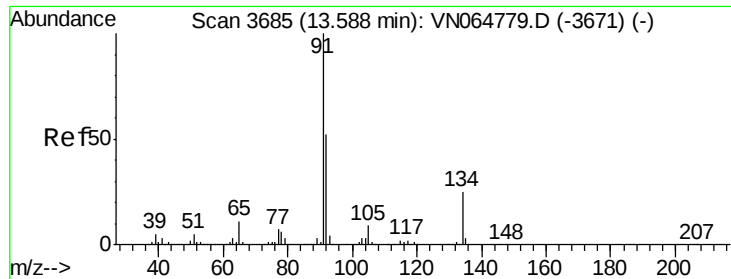
Tot Ion:146 Resp: 101659
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.6 61.9
 148 63.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 18.028 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion:146 Resp: 102876
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.8 59.3
 148 64.9 31.9 95.5

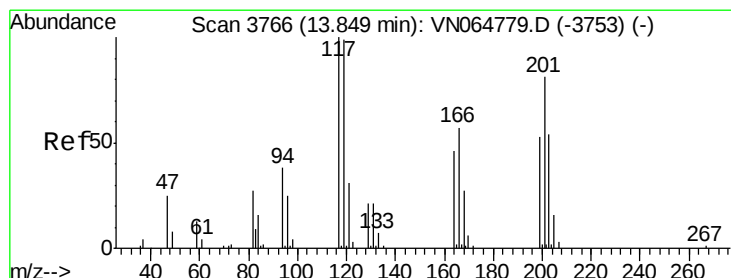
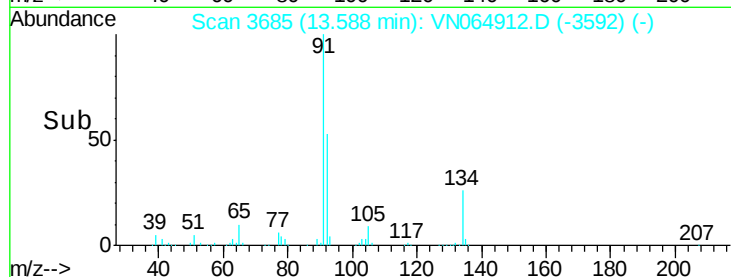
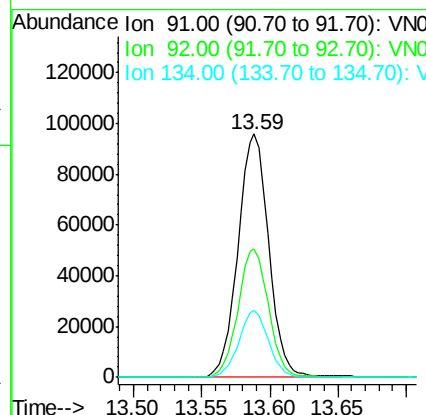
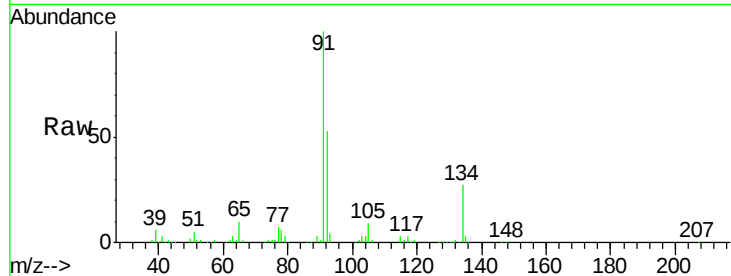




#89
n-Butylbenzene
Concen: 18.031 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

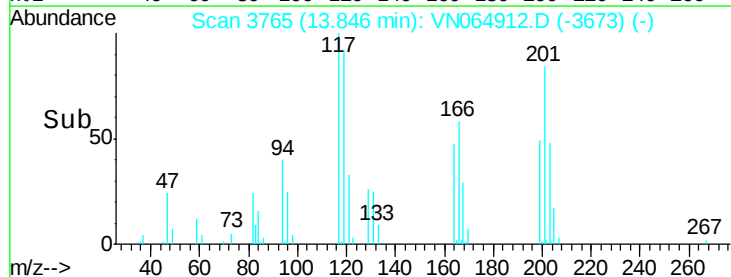
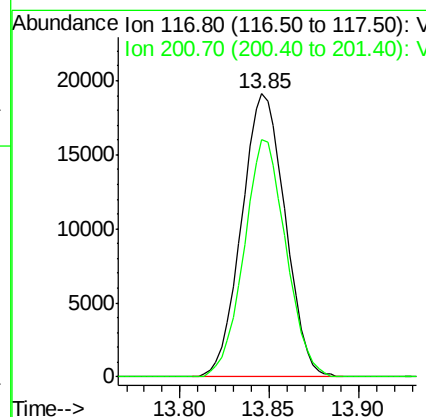
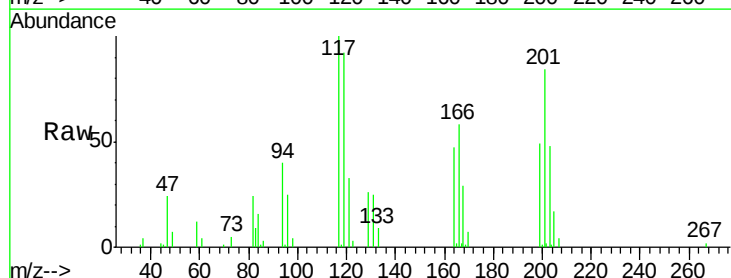
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion: 91 Resp: 150235
Ion Ratio Lower Upper
91 100
92 52.3 26.0 78.0
134 26.5 12.9 38.6



#90
Hexachloroethane
Concen: 19.810 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 117 Resp: 32650
Ion Ratio Lower Upper
117 100
201 80.8 40.1 120.3

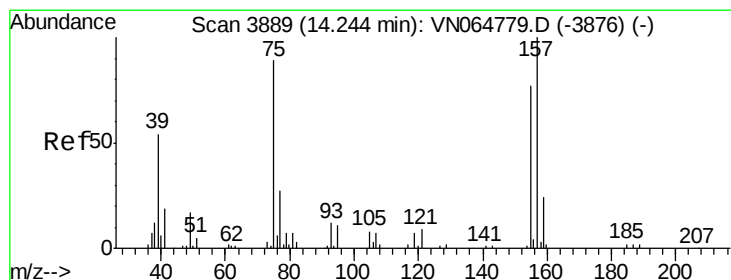
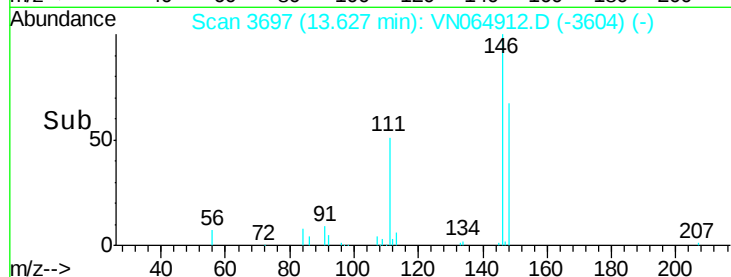
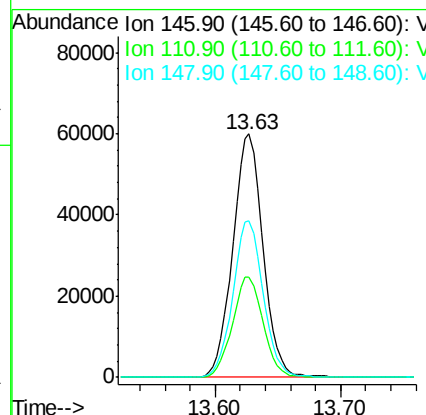
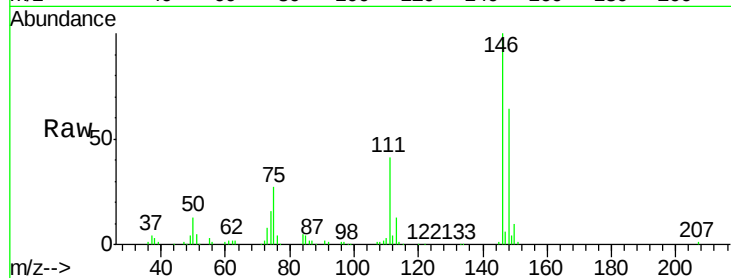




#91
 1,2-Dichlorobenzene
 Concen: 18.920 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

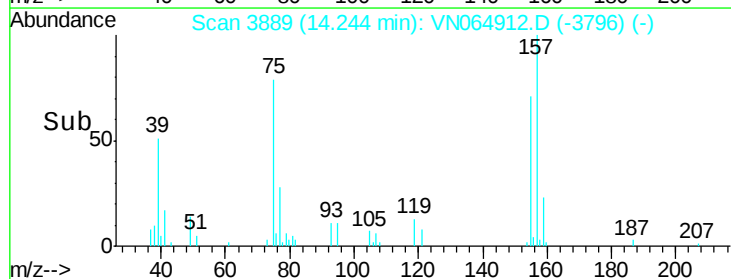
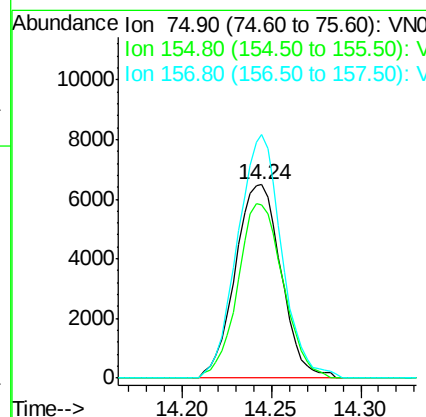
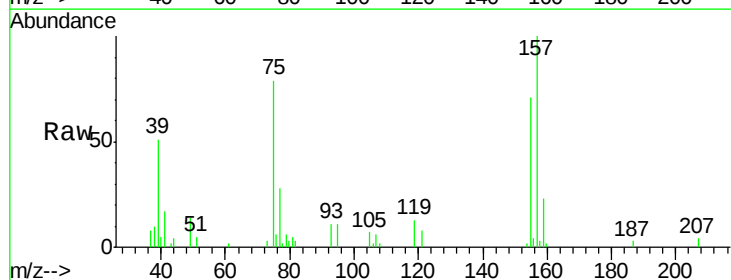
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

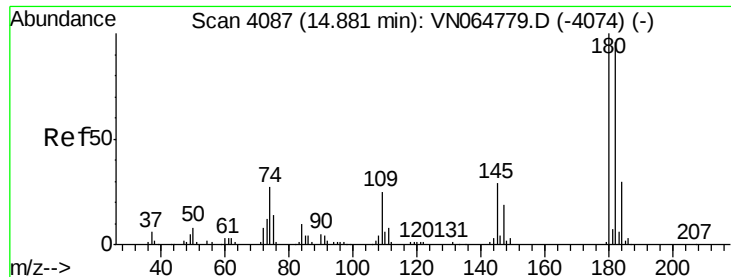
Tot Ion:146 Resp: 100242
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.1 63.1
 148 64.3 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.645 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion: 75 Resp: 11624
 Ion Ratio Lower Upper
 75 100
 155 89.2 42.8 128.3
 157 121.2 56.4 169.1

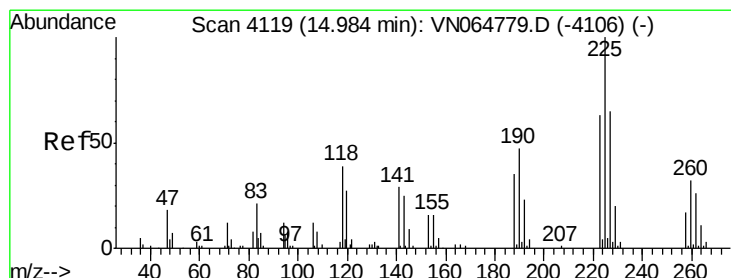
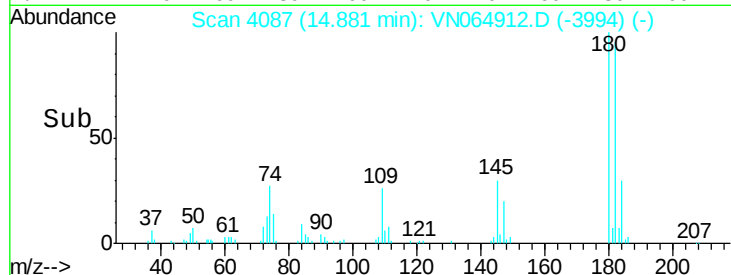
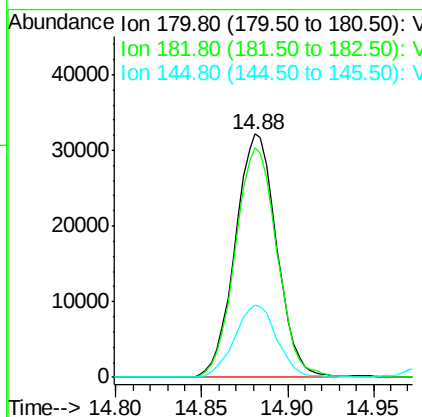
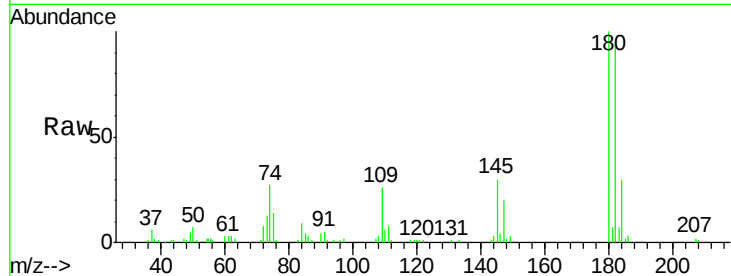




#93
 1,2,4-Trichlorobenzene
 Concen: 16.487 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

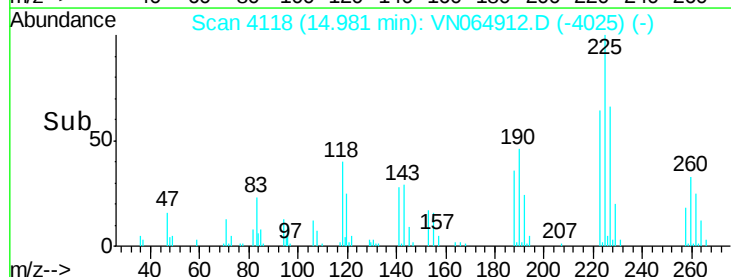
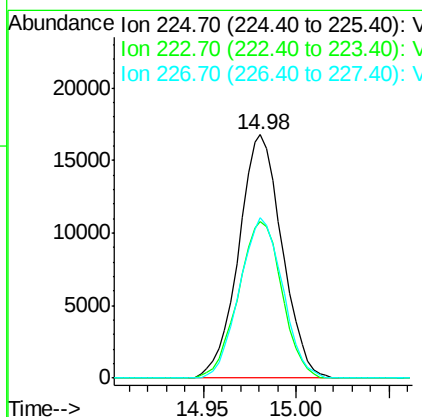
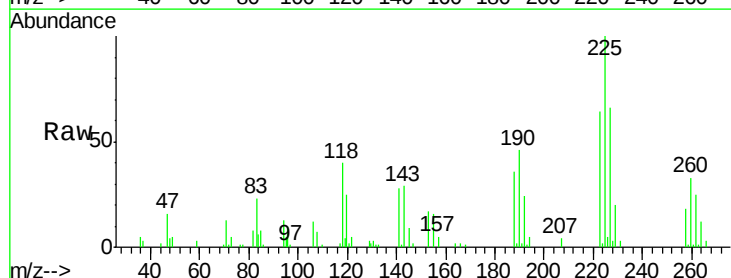
Instrument :
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 ClientSampleId :
 VN1204WBS01

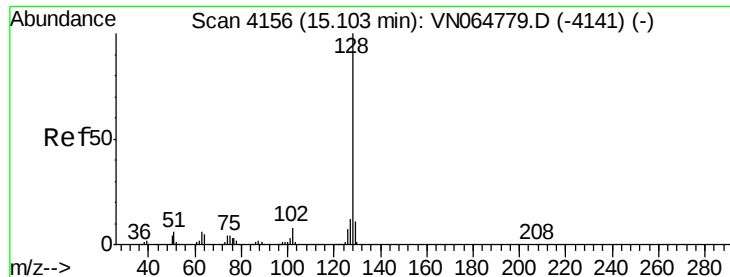
Tot Ion:180 Resp: 54037
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.6 142.9
 145 30.1 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 18.731 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion:225 Resp: 27299
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.0 93.0
 227 65.3 32.0 96.0





#95

Naphthalene

Concen: 15.220 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

VN1204WBS01

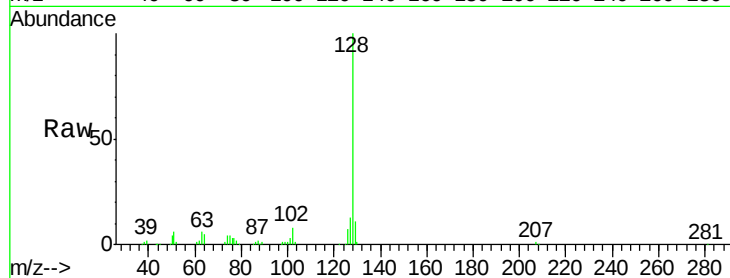
Tot Ion:128 Resp: 149453

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

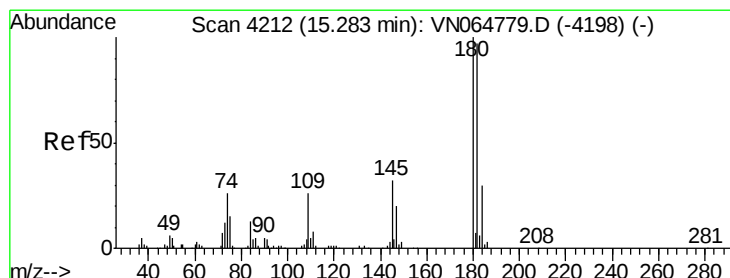
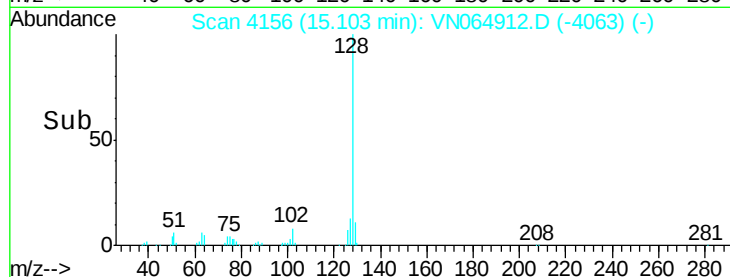
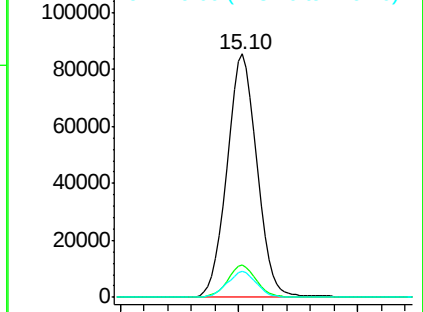
129 10.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.924 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

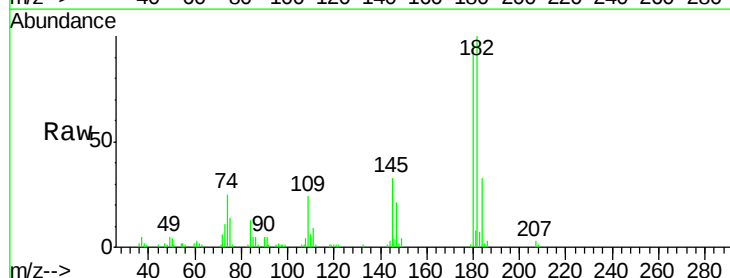
Tgt Ion:180 Resp: 49762

Ion Ratio Lower Upper

180 100

182 100.3 48.1 144.4

145 33.1 16.4 49.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

