

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111220\
 Data File : VN064574.D
 Acq On : 12 Nov 2020 12:18
 Operator : JC/MD
 Sample : VN1112WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Quant Time: Nov 13 02:45:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	292478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	507178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	481283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213443	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	254007	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	7.55	113	177390	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	10.06	98	649041	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.38	95	234905	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.84	85	66866	17.563	ug/l 99
3) Chloromethane	2.04	50	77601	16.780	ug/l 99
4) Vinyl Chloride	2.17	62	85799	18.067	ug/l 97
5) Bromomethane	2.54	94	57914	19.089	ug/l 98
6) Chloroethane	2.68	64	57096	18.779	ug/l 97
7) Trichlorofluoromethane	2.99	101	136380	19.503	ug/l 99
8) Diethyl Ether	3.37	74	47274	19.144	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	61016	18.374	ug/l 99
10) Methyl Iodide	3.91	142	66618	17.265	ug/l 96
11) Tert butyl alcohol	4.75	59	52116	92.763	ug/l 98
12) 1,1-Dichloroethene	3.70	96	57223	18.294	ug/l 98
13) Acrolein	3.57	56	24489	70.272	ug/l 99
14) Allyl chloride	4.28	41	104939	17.150	ug/l 98
15) Acrylonitrile	4.94	53	147393	94.231	ug/l 97
16) Acetone	3.78	43	160496	82.705	ug/l 100
17) Carbon Disulfide	4.01	76	165396	17.681	ug/l 100
18) Methyl Acetate	4.28	43	74483	19.523	ug/l 98
19) Methyl tert-butyl Ether	4.99	73	194304	17.259	ug/l 97
20) Methylene Chloride	4.50	84	71482	18.565	ug/l 98
21) trans-1,2-Dichloroethene	4.99	96	61733	17.382	ug/l 99
22) Diisopropyl ether	5.90	45	225988	17.399	ug/l 95
23) Vinyl Acetate	5.85	43	900122	85.186	ug/l 98
24) 1,1-Dichloroethane	5.80	63	127036	17.798	ug/l 100
25) 2-Butanone	6.79	43	216239	87.454	ug/l 95
26) 2,2-Dichloropropane	6.78	77	116287	17.998	ug/l 100
27) cis-1,2-Dichloroethene	6.78	96	70346	17.093	ug/l 100
28) Bromochloromethane	7.15	49	60357	17.204	ug/l 97
29) Tetrahydrofuran	7.17	42	136729	90.132	ug/l 100
30) Chloroform	7.33	83	139434	18.585	ug/l 93
31) Cyclohexane	7.61	56	100014	16.150	ug/l 94
32) 1,1,1-Trichloroethane	7.53	97	121173	18.209	ug/l 98
36) 1,1-Dichloropropene	7.75	75	94747	17.683	ug/l 99
37) Ethyl Acetate	6.89	43	94301	17.839	ug/l # 92
38) Carbon Tetrachloride	7.73	117	108509	18.949	ug/l 94

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 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	80753	16.813	ug/l	93
40) Benzene	8.00	78	279936	17.780	ug/l	97
41) Methacrylonitrile	7.13	41	36552	15.387	ug/l	97
42) 1,2-Dichloroethane	8.09	62	119504	18.808	ug/l	99
43) Isopropyl Acetate	8.13	43	154837	17.832	ug/l	100
44) Trichloroethene	8.80	130	72627	18.283	ug/l	95
45) 1,2-Dichloropropane	9.08	63	77944	18.554	ug/l	97
46) Dibromomethane	9.17	93	53029	19.175	ug/l	99
47) Bromodichloromethane	9.37	83	115381	19.404	ug/l	100
48) Methyl methacrylate	9.17	41	75553	17.244	ug/l	100
49) 1,4-Dioxane	9.17	88	21204	367.420	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	479002	94.595	ug/l	100
52) Toluene	10.13	92	175159	18.240	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	113417	17.991	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	120607	17.894	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	70585	18.848	ug/l	97
56) Ethyl methacrylate	10.40	69	93318	16.428	ug/l	96
57) 1,3-Dichloropropane	10.68	76	120522	18.437	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	251250	100.399	ug/l	97
59) 2-Hexanone	10.72	43	336795	84.279	ug/l	98
60) Dibromochloromethane	10.87	129	81161	19.356	ug/l	98
61) 1,2-Dibromoethane	10.98	107	71998	18.954	ug/l	98
64) Tetrachloroethene	10.60	164	66808	18.021	ug/l	97
65) Chlorobenzene	11.41	112	187042	17.728	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	73997	18.800	ug/l	100
67) Ethyl Benzene	11.49	91	323060	17.214	ug/l	98
68) m/p-Xylenes	11.60	106	240262	35.301	ug/l	100
69) o-Xylene	11.92	106	106605	16.209	ug/l	94
70) Styrene	11.94	104	193722	17.504	ug/l	99
71) Bromoform	12.10	173	50361	17.880	ug/l #	97
73) Isopropylbenzene	12.23	105	290469	17.122	ug/l	100
74) N-amyl acetate	12.05	43	122583	15.751	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	97764	18.762	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	135866	26.272	ug/l #	100
77) Bromobenzene	12.50	156	74728	18.042	ug/l	97
78) n-propylbenzene	12.57	91	343872	17.779	ug/l	100
79) 2-Chlorotoluene	12.65	91	216856	17.678	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	248346	17.744	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	31690	17.109	ug/l	92
82) 4-Chlorotoluene	12.75	91	229793	17.887	ug/l	100
83) tert-Butylbenzene	12.97	119	190072	17.389	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	246458	17.517	ug/l	100
85) sec-Butylbenzene	13.15	105	250969	18.129	ug/l	100
86) p-Isopropyltoluene	13.26	119	223129	17.919	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	128275	17.916	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	132394	17.893	ug/l	99
89) n-Butylbenzene	13.59	91	187739	17.535	ug/l	98
90) Hexachloroethane	13.85	117	47133	19.622	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	131408	19.080	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20887	20.133	ug/l	95

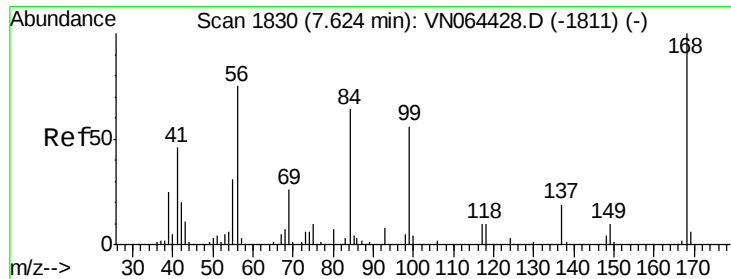
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	50993	16.759	ug/l	98
94) Hexachlorobutadiene	14.98	225	28354	20.221	ug/l	97
95) Naphthalene	15.10	128	152203	15.682	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	52190	17.652	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampled :

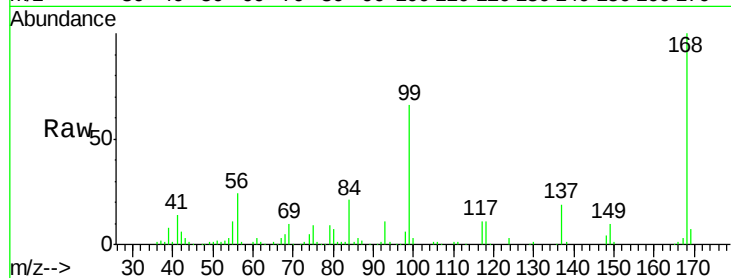
VN1112WBS01

Tot Ion:168 Resp: 292478

Ion Ratio Lower Upper

168 100

99 65.6 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

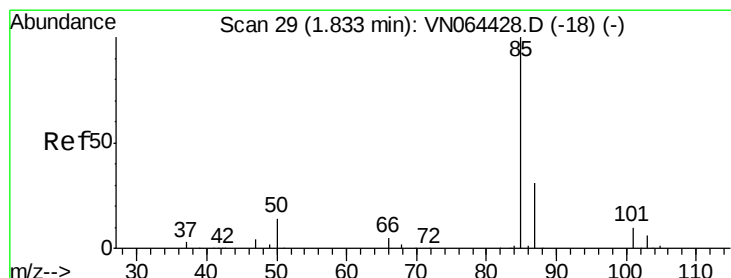
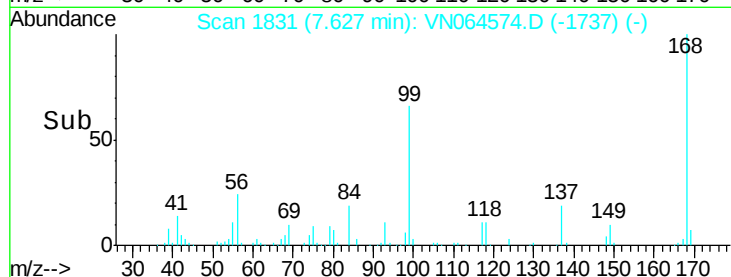
7.63

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.563 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064574.D

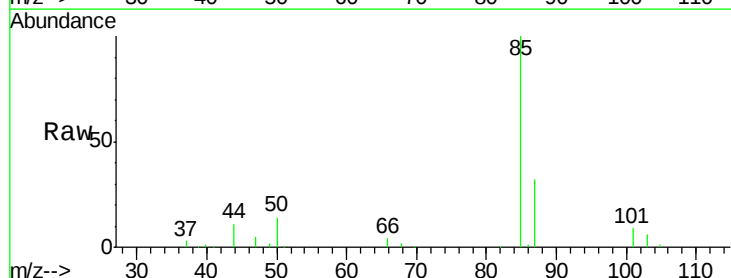
Acq: 12 Nov 2020 12:18

Tgt Ion: 85 Resp: 66866

Ion Ratio Lower Upper

85 100

87 32.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

50000

40000

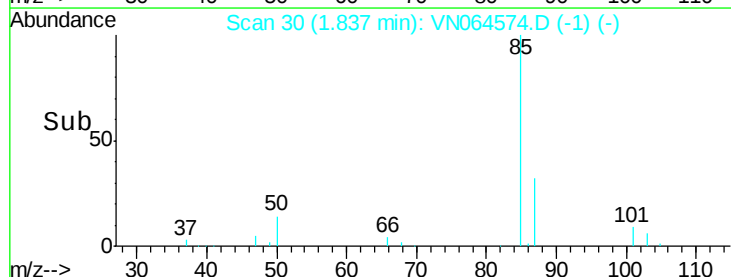
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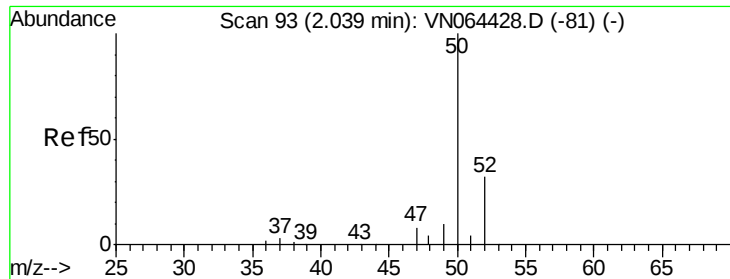
20000

10000

0

Time-->





#3

Chloromethane

Concen: 16.780 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

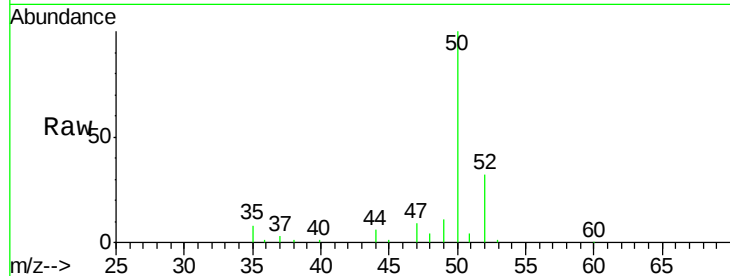
VN1112WBS01

Tot Ion: 50 Resp: 77601

Ion Ratio Lower Upper

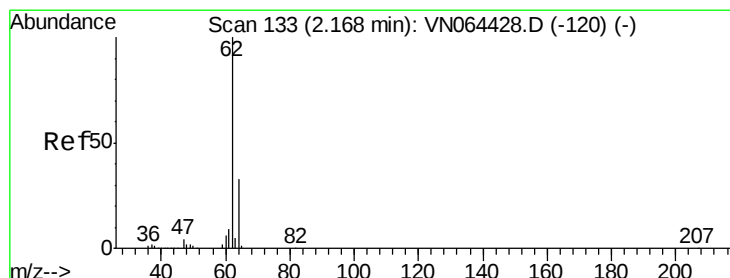
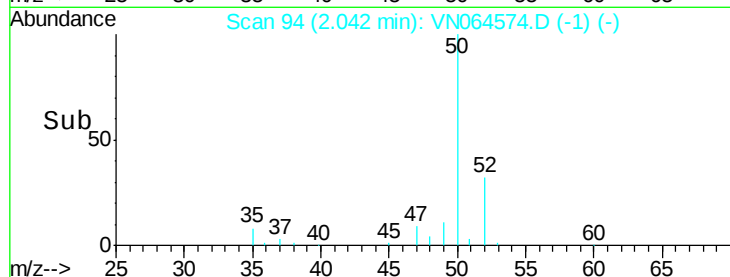
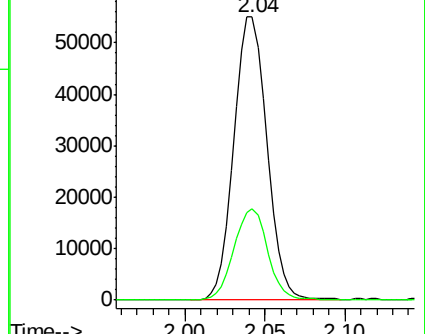
50 100

52 32.4 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.067 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064574.D

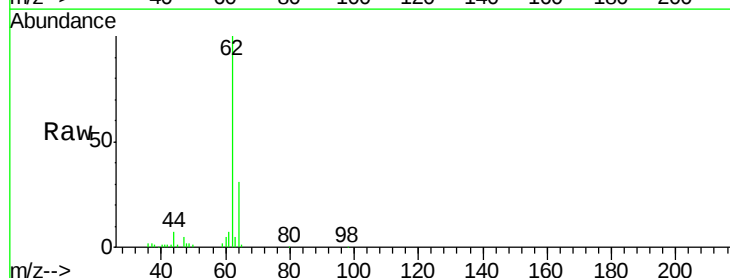
Acq: 12 Nov 2020 12:18

Tgt Ion: 62 Resp: 85799

Ion Ratio Lower Upper

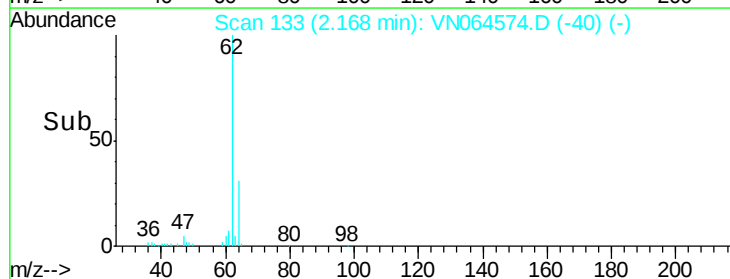
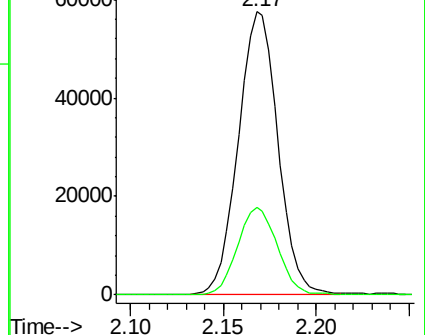
62 100

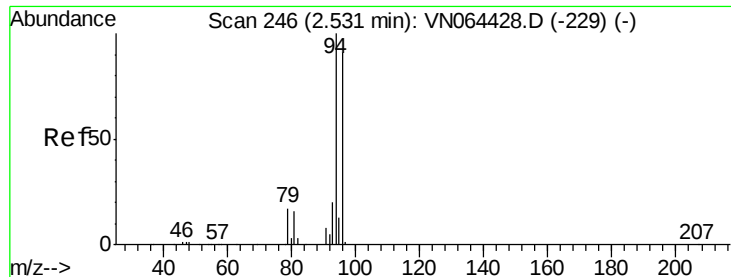
64 31.1 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.089 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

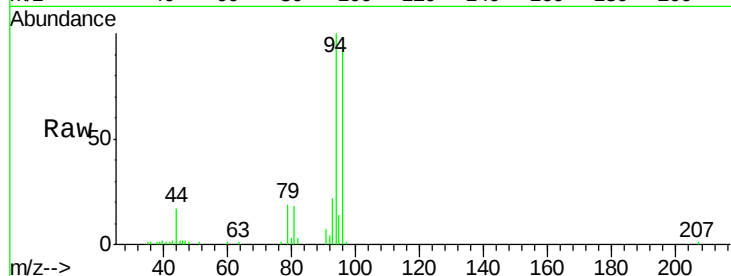
VN1112WBS01

Tot Ion: 94 Resp: 57914

Ion Ratio Lower Upper

94 100

96 93.5 73.1 109.7



Abundance Ion 93.90 (93.60 to 94.60): VN064428.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN064428.D (-229) (-)

2.54

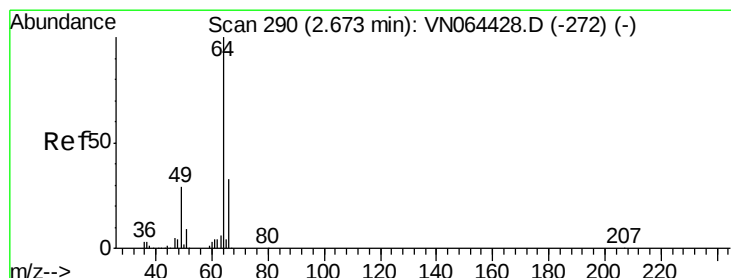
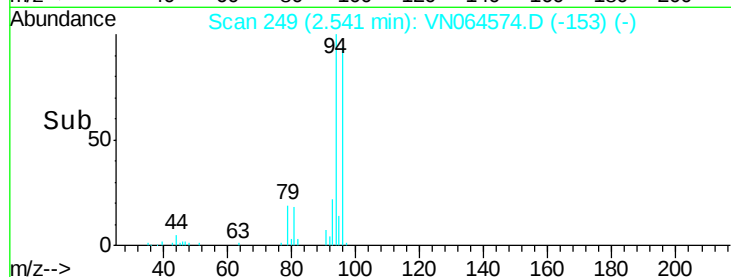
30000

20000

10000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.779 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064574.D

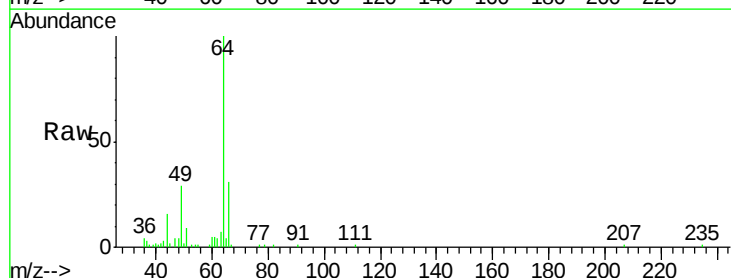
Acq: 12 Nov 2020 12:18

Tgt Ion: 64 Resp: 57096

Ion Ratio Lower Upper

64 100

66 31.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN064428.D (-272) (-)

Ion 65.90 (65.60 to 66.60): VN064428.D (-272) (-)

2.68

30000

25000

20000

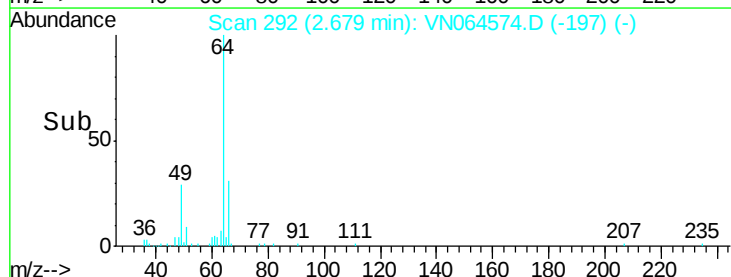
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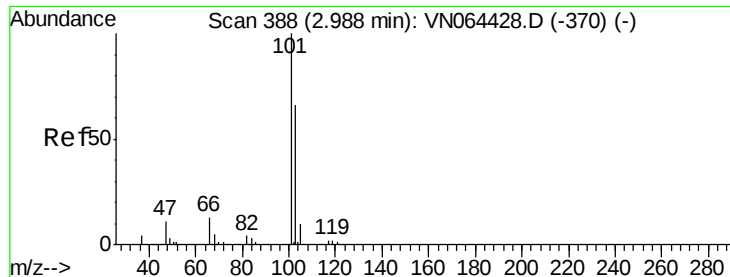
10000

5000

0

Time--> 2.60 2.65 2.70 2.75



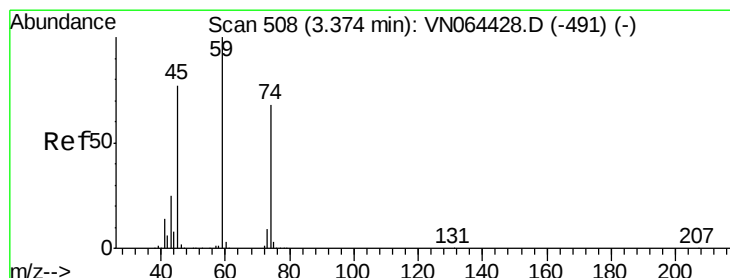
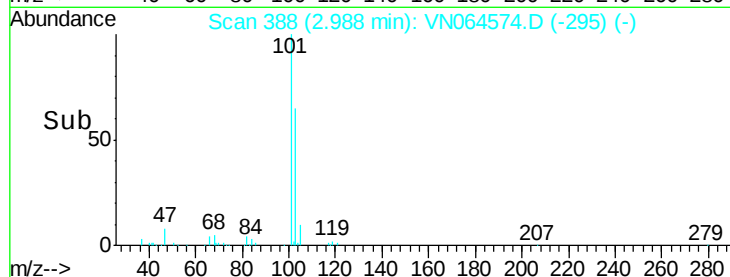
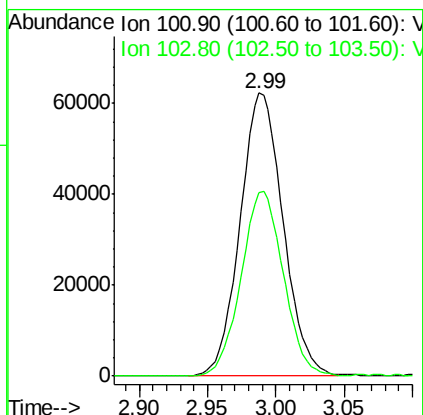
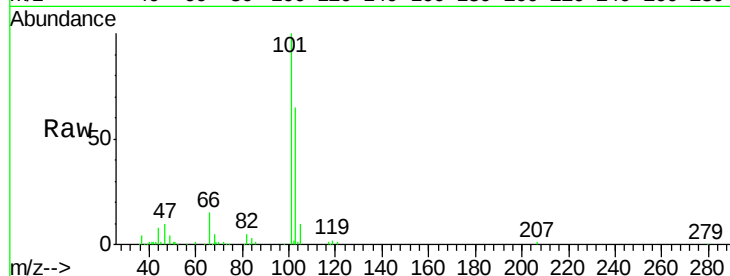


#7

Trichlorofluoromethane
 Concen: 19.503 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Instrument :
 MSVOA_N
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 VN1112WBS01

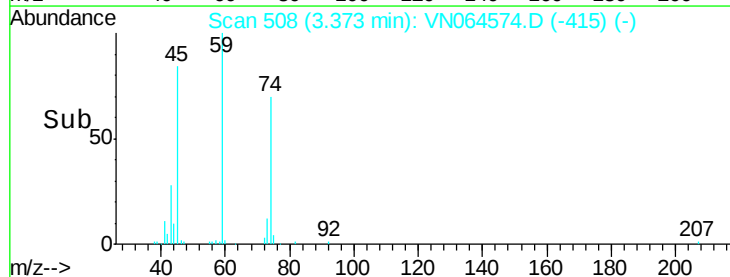
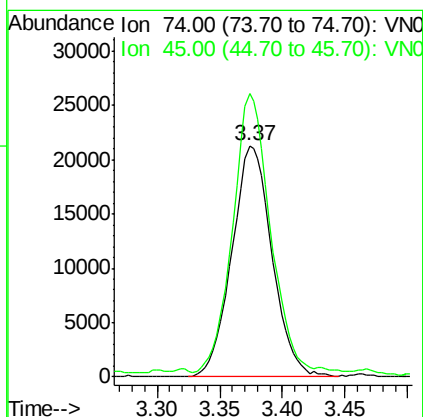
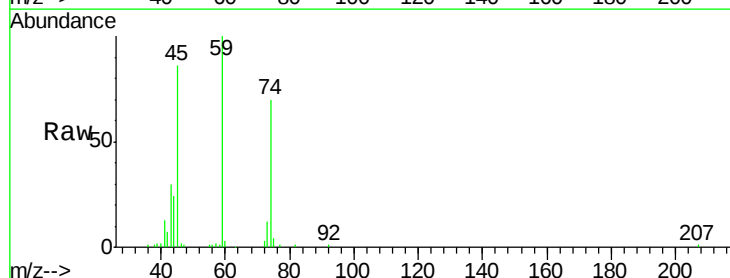
Tot Ion:101 Resp: 136380
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.4 78.6

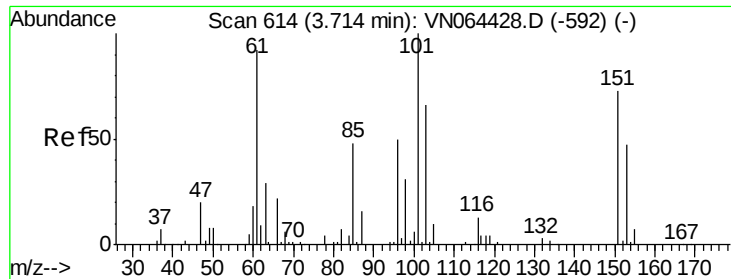


#8

Diethyl Ether
 Concen: 19.144 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion: 74 Resp: 47274
 Ion Ratio Lower Upper
 74 100
 45 112.4 55.9 167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.374 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

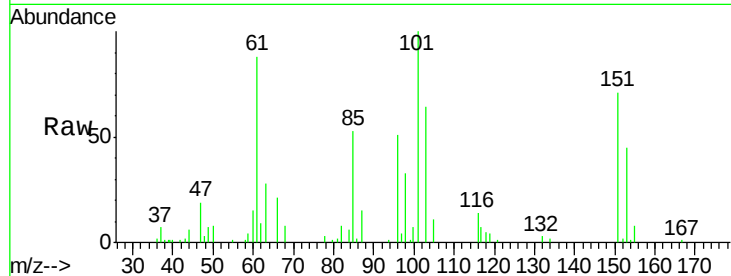
Tot Ion:101 Resp: 61016

Ion Ratio Lower Upper

101 100

85 47.0 38.6 57.8

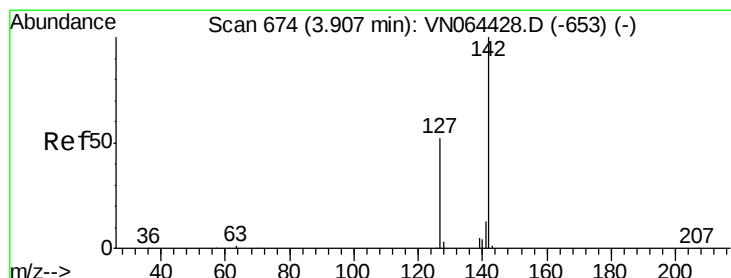
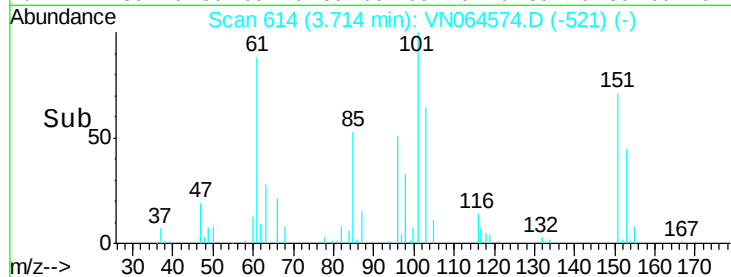
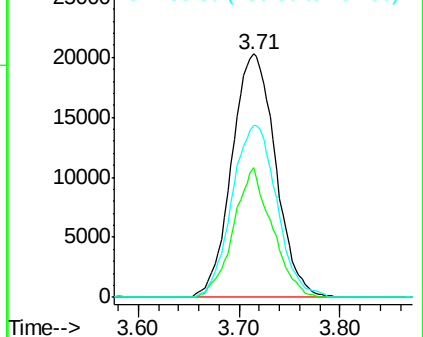
151 72.4 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.265 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

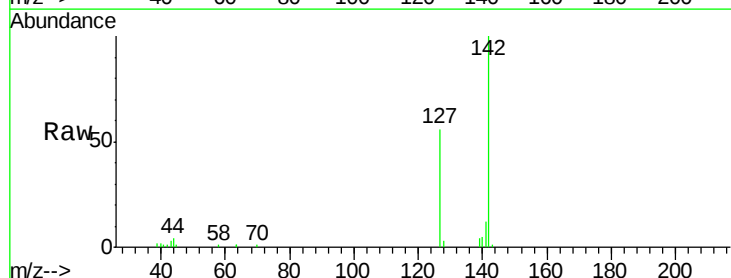
Tgt Ion:142 Resp: 66618

Ion Ratio Lower Upper

142 100

127 55.7 41.8 62.8

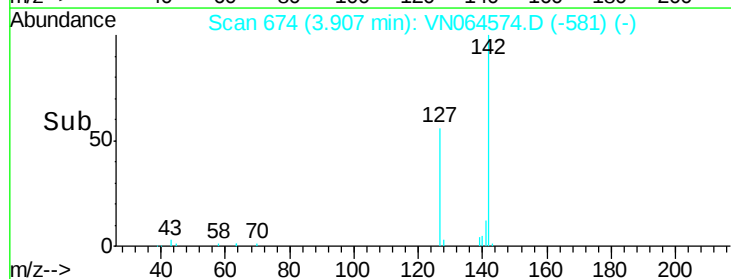
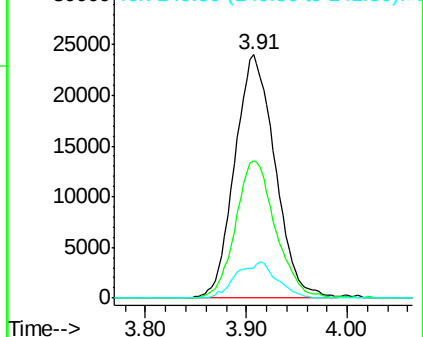
141 15.0 11.4 17.2

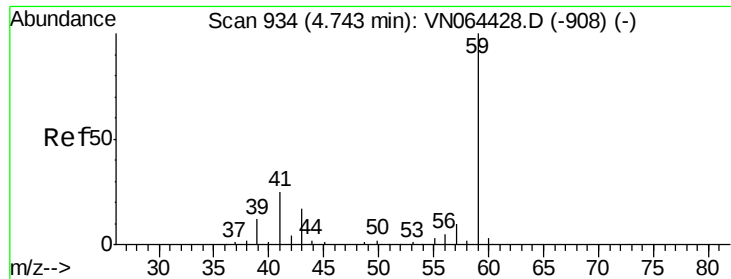


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

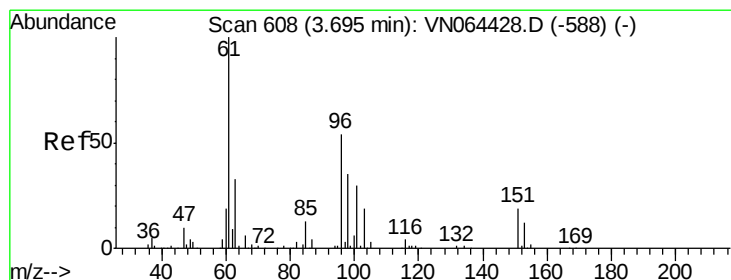
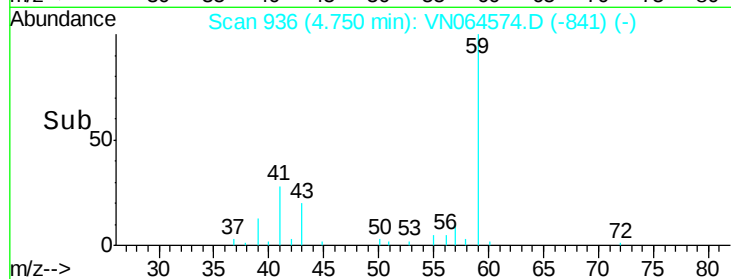
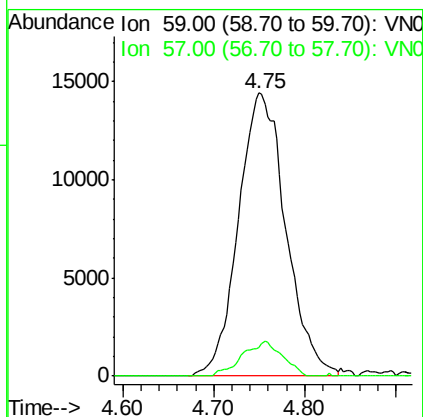
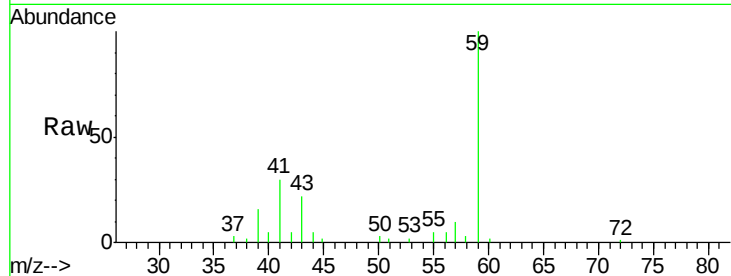




#11
Tert butyl alcohol
Concen: 92.763 ug/l
RT: 4.75 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

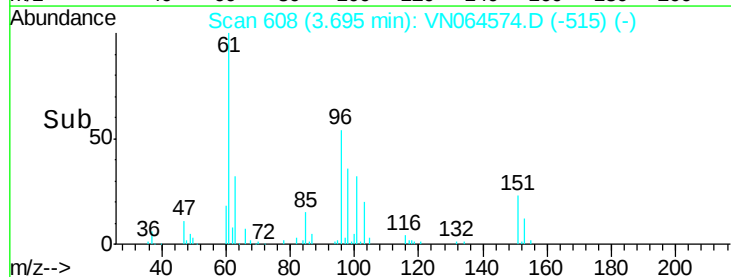
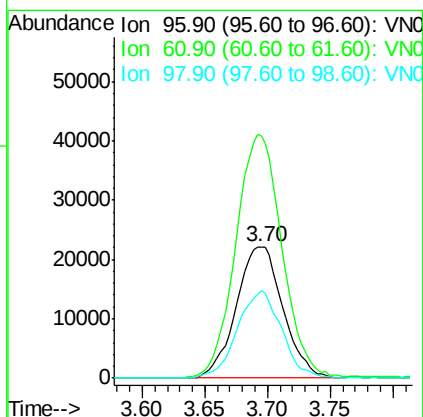
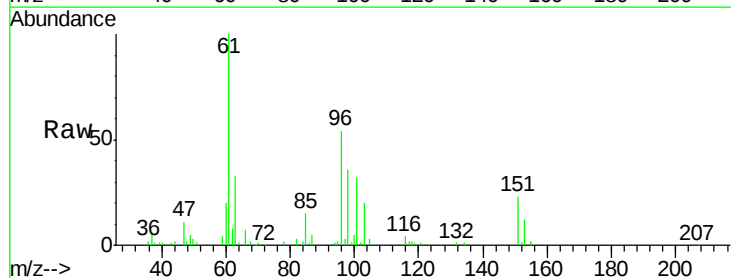
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

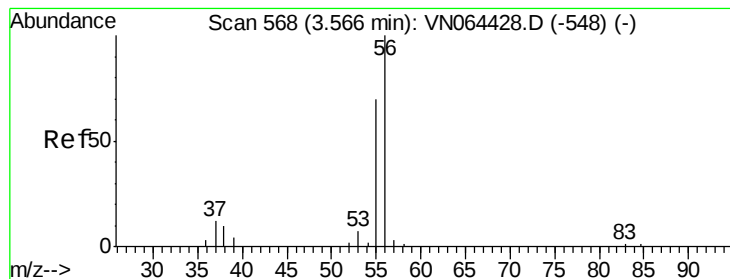
Tot Ion: 59 Resp: 52116
Ion Ratio Lower Upper
59 100
57 10.4 9.0 13.4



#12
1,1-Dichloroethene
Concen: 18.294 ug/l
RT: 3.70 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion: 96 Resp: 57223
Ion Ratio Lower Upper
96 100
61 183.5 149.5 224.3
98 66.4 52.4 78.6





#13

Acrolein

Concen: 70.272 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

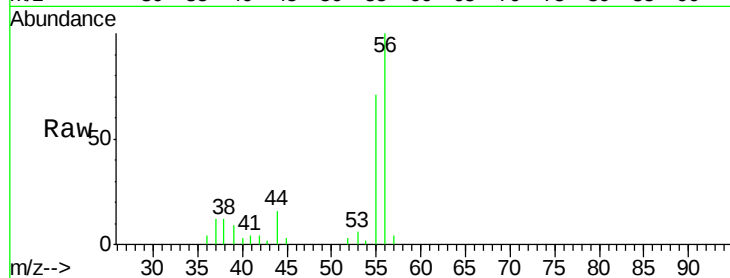
VN1112WBS01

Tot Ion: 56 Resp: 24489

Ion Ratio Lower Upper

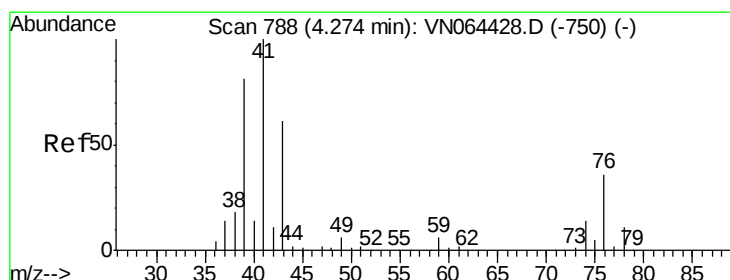
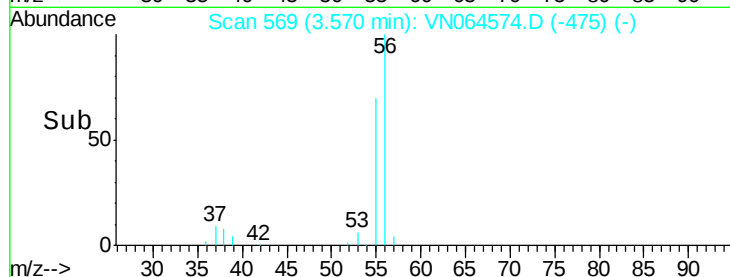
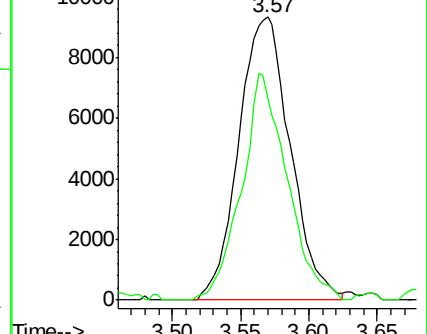
56 100

55 70.8 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN064428.D (-548) (-)



#14

Allyl chloride

Concen: 17.150 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

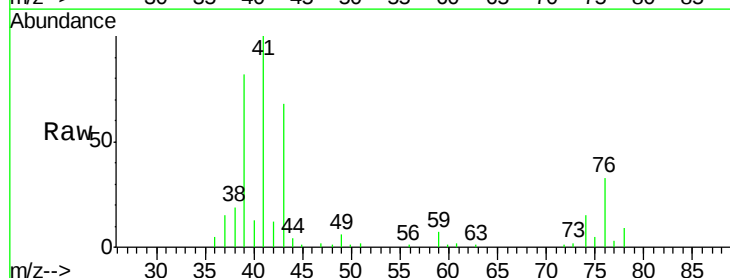
Tgt Ion: 41 Resp: 104939

Ion Ratio Lower Upper

41 100

39 79.6 61.8 92.8

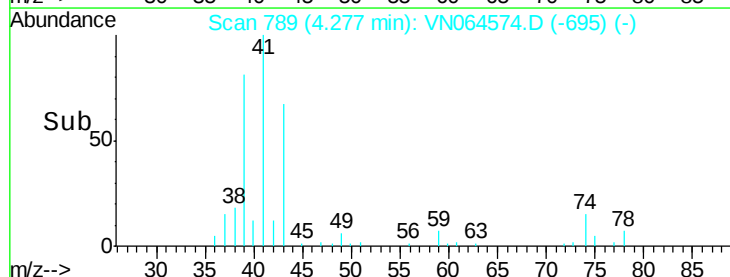
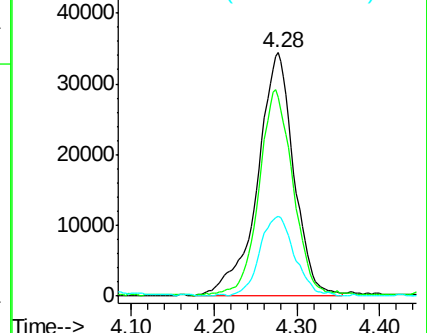
76 31.2 25.4 38.0

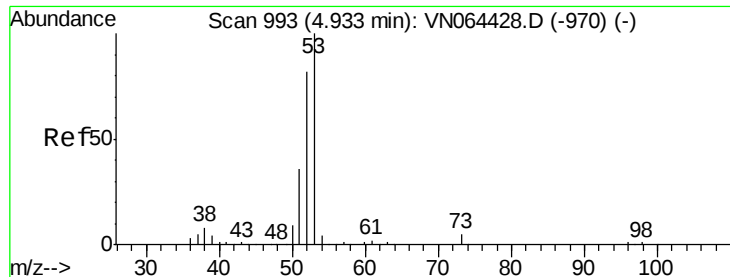


Abundance Ion 41.00 (40.70 to 41.70): VN064428.D (-750) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-750) (-)

Ion 75.90 (75.60 to 76.60): VN064428.D (-750) (-)





#15

Acrylonitrile

Concen: 94.231 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampled :

VN1112WBS01

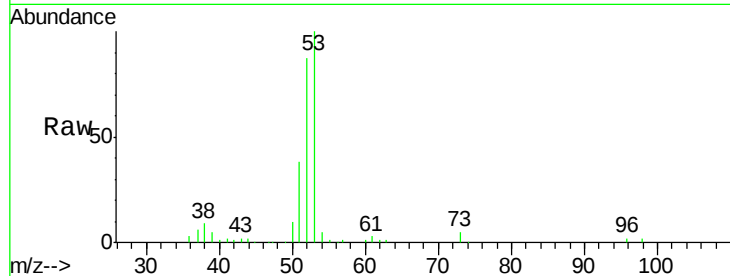
Tot Ion: 53 Resp: 147393

Ion Ratio Lower Upper

53 100

52 83.7 65.6 98.4

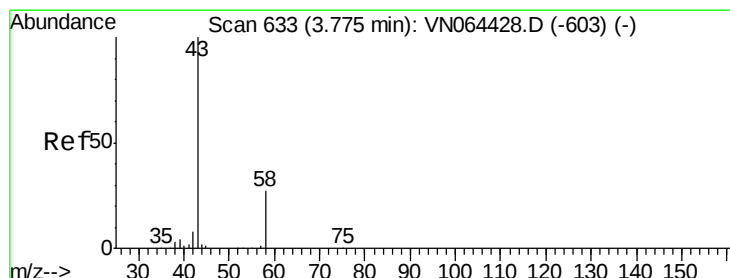
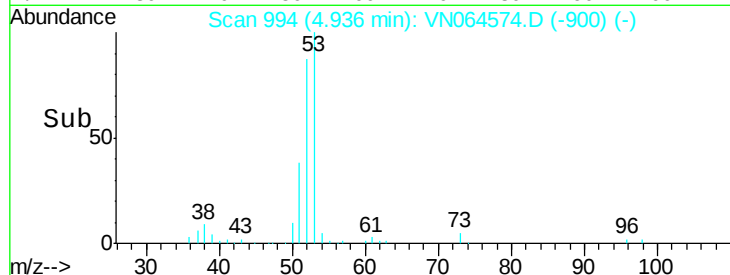
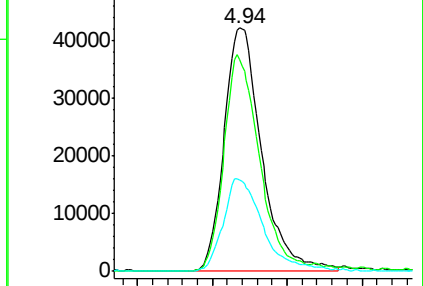
51 40.0 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 82.705 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064574.D

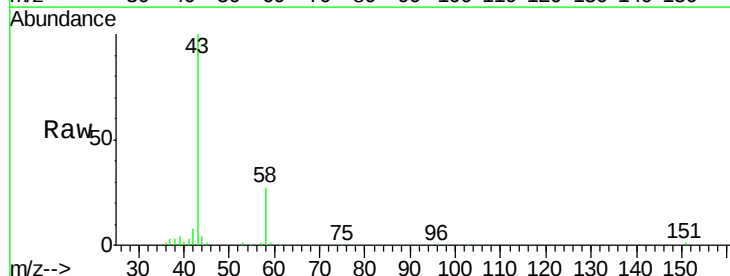
Acq: 12 Nov 2020 12:18

Tgt Ion: 43 Resp: 160496

Ion Ratio Lower Upper

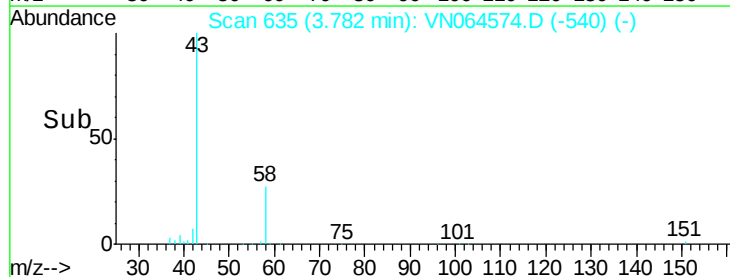
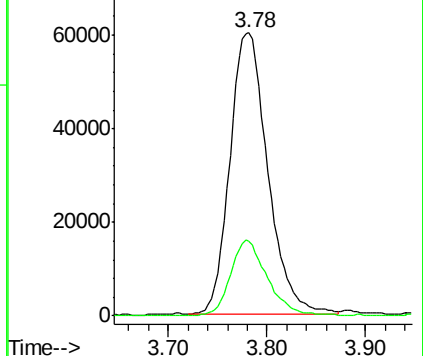
43 100

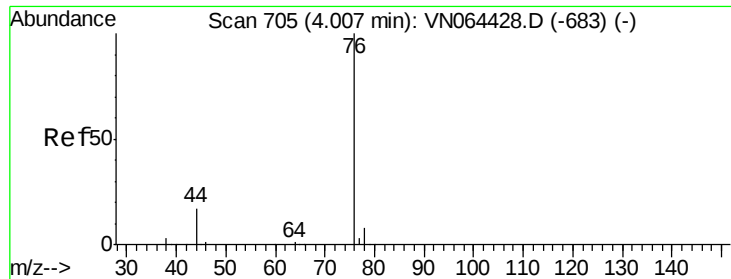
58 26.7 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

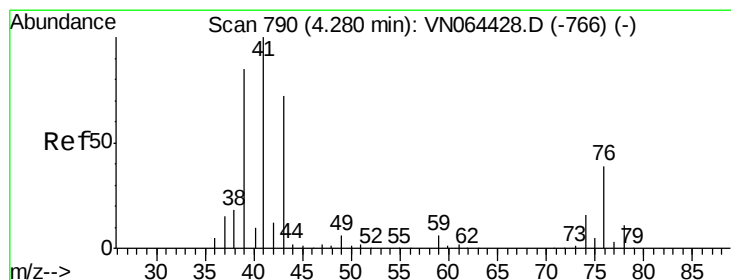
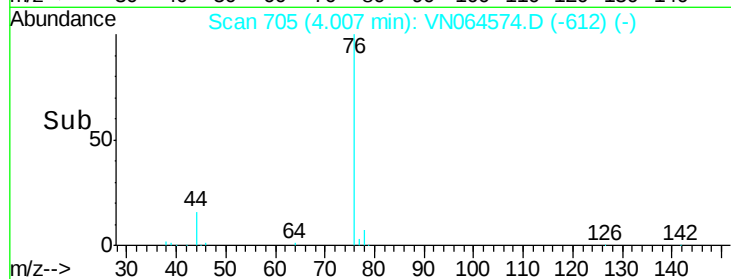
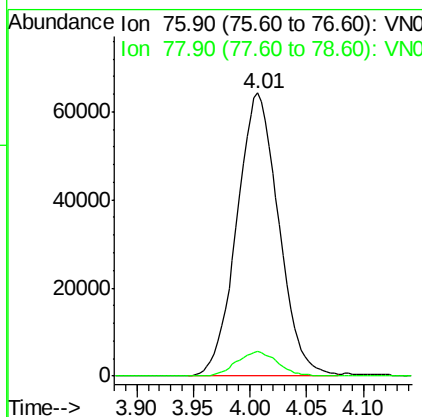
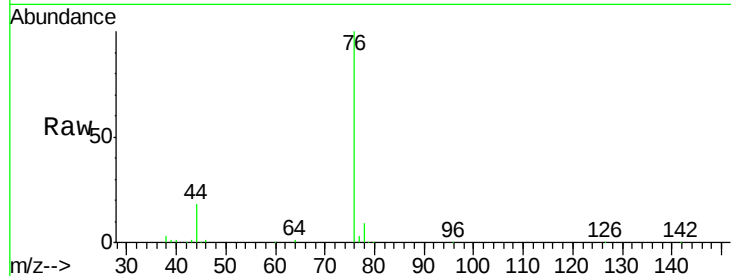




#17
Carbon Disulfide
Concen: 17.681 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

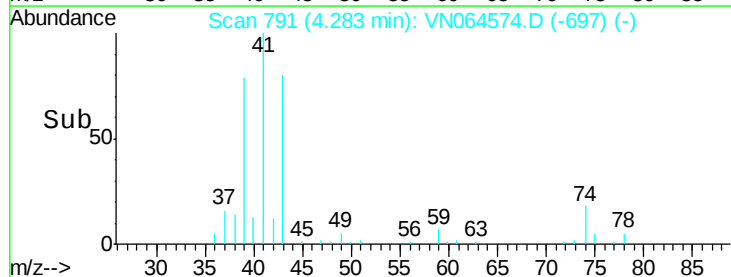
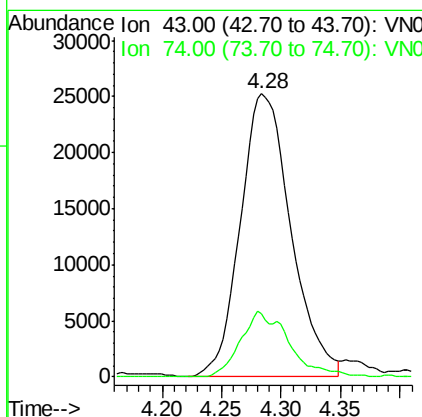
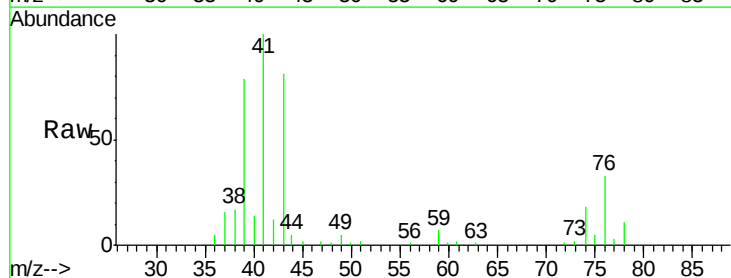
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

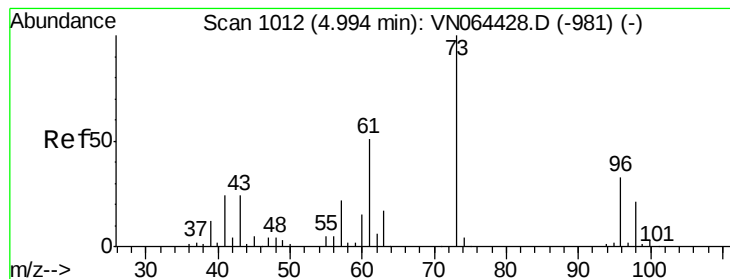
Tot Ion: 76 Resp: 165396
Ion Ratio Lower Upper
76 100
78 8.6 6.8 10.2



#18
Methyl Acetate
Concen: 19.523 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion: 43 Resp: 74483
Ion Ratio Lower Upper
43 100
74 22.3 17.0 25.4



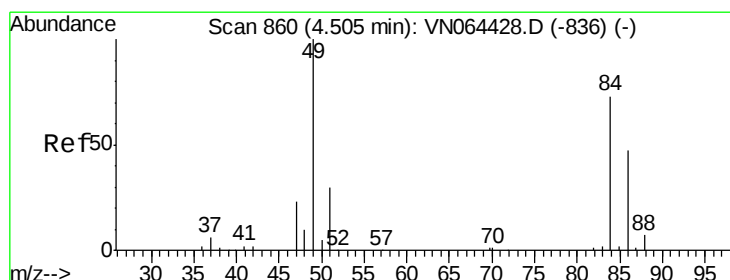
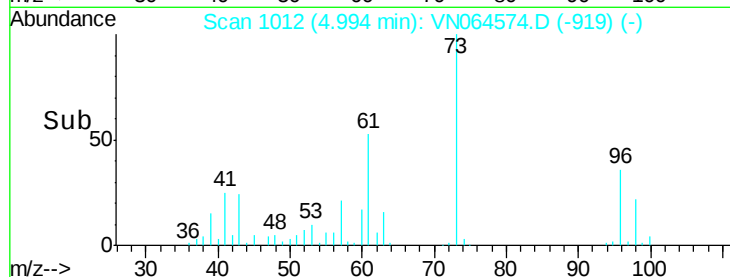
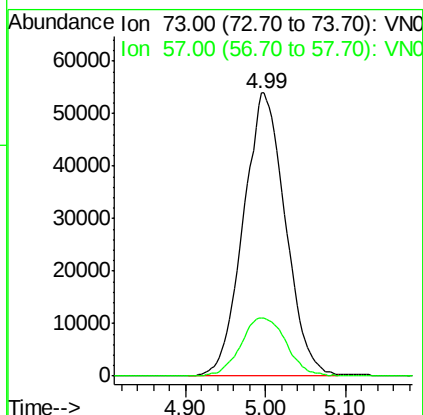
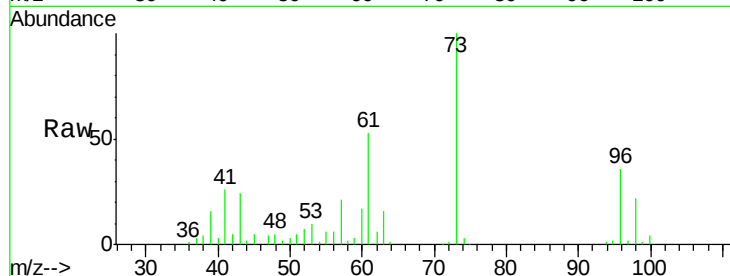


#19

Methyl tert-butyl Ether
 Concen: 17.259 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

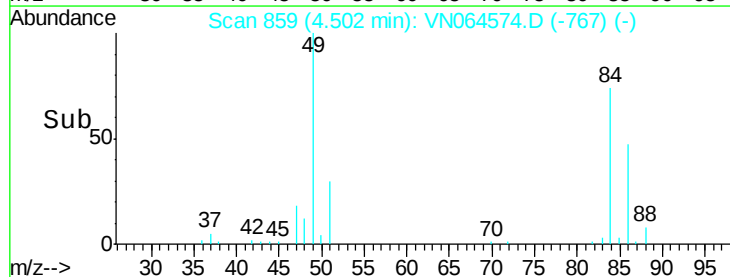
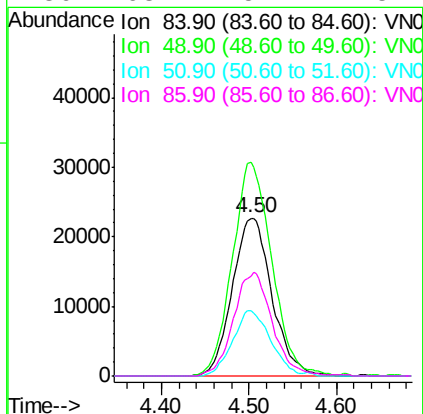
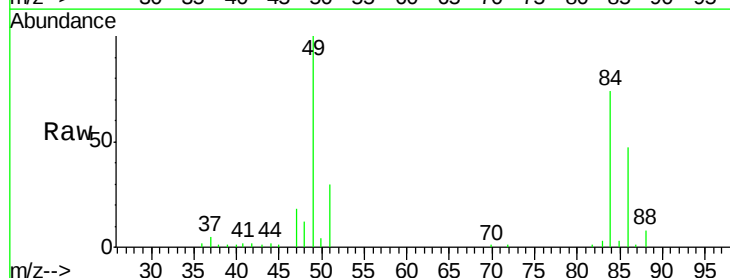
Tot Ion: 73 Resp: 194304
 Ion Ratio Lower Upper
 73 100
 57 20.6 17.7 26.5

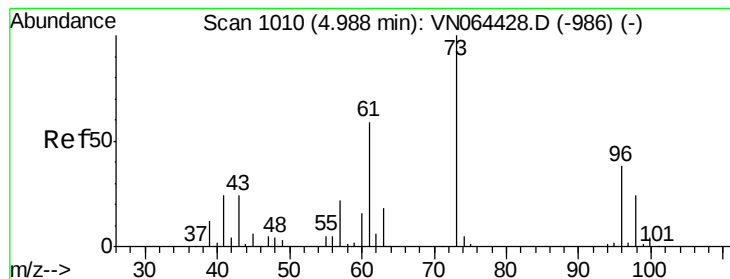


#20

Methylene Chloride
 Concen: 18.565 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion: 84 Resp: 71482
 Ion Ratio Lower Upper
 84 100
 49 135.4 110.1 165.1
 51 41.2 33.6 50.4
 86 63.7 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 17.382 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

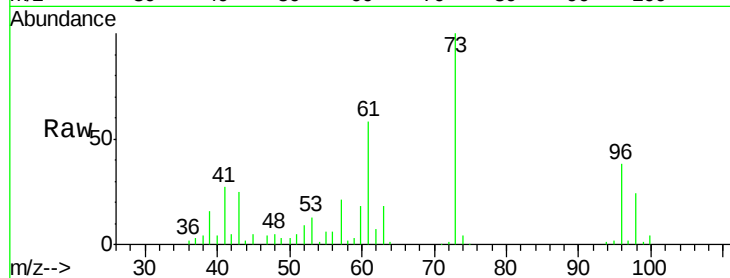
Tot Ion: 96 Resp: 61733

Ion Ratio Lower Upper

96 100

61 154.1 122.4 183.6

98 62.6 50.4 75.6

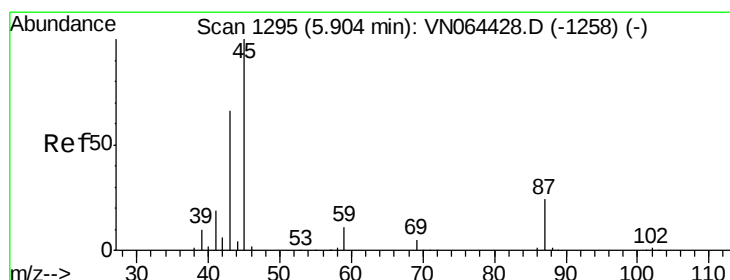
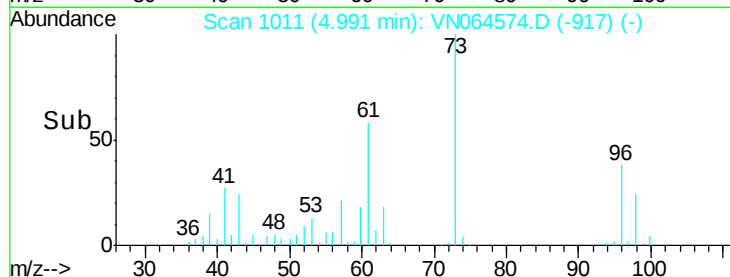
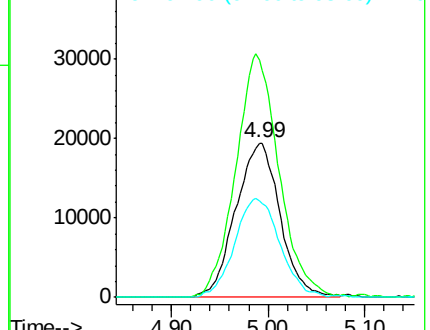


Abundance

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: 17.399 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Tgt Ion: 45 Resp: 225988

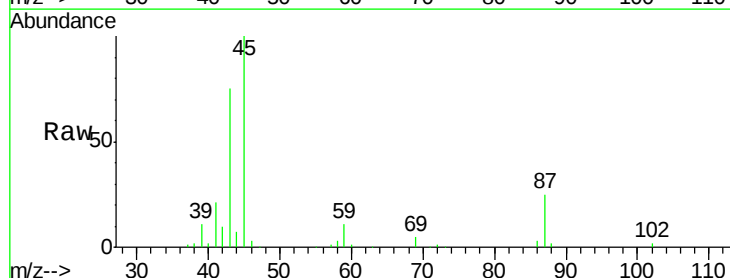
Ion Ratio Lower Upper

45 100

43 72.2 53.2 79.8

87 25.4 19.9 29.9

59 10.6 8.6 13.0



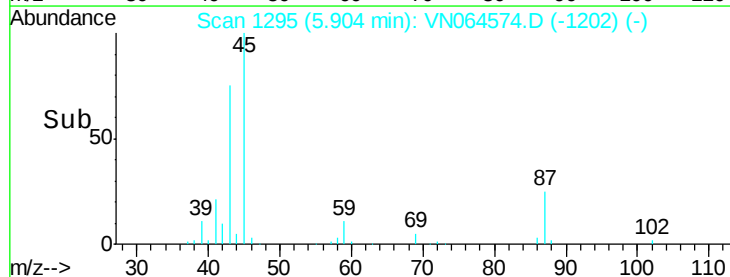
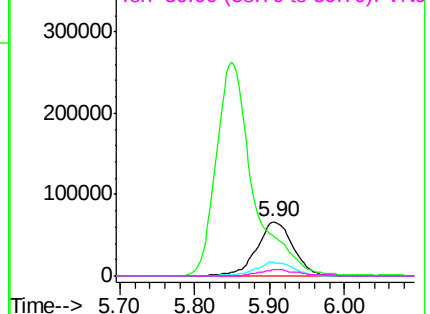
Abundance

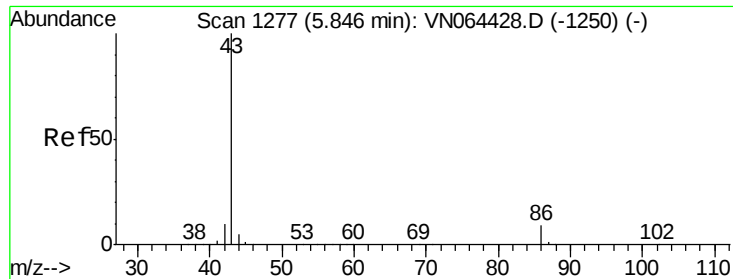
Ion 45.00 (44.70 to 45.70): VN0

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: 85.186 ug/l

RT: 5.85 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

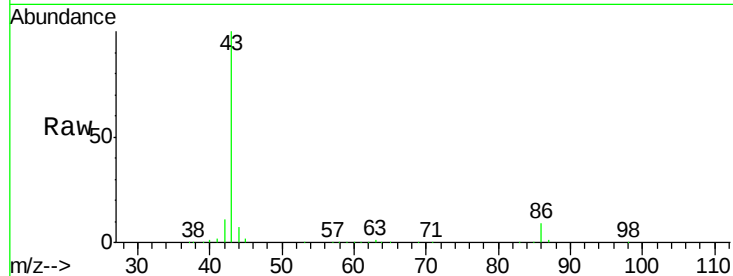
VN1112WBS01

Tot Ion: 43 Resp: 900122

Ion Ratio Lower Upper

43 100

86 9.2 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1250) (-)

Ion 86.00 (85.70 to 86.70): VN064428.D (-1250) (-)

5.85

300000

250000

200000

150000

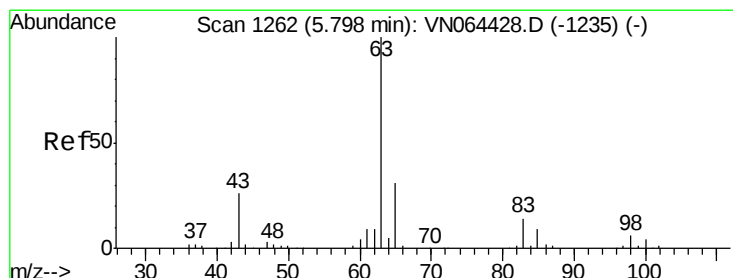
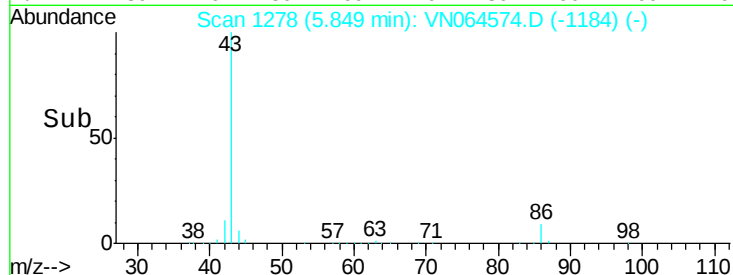
100000

50000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 17.798 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

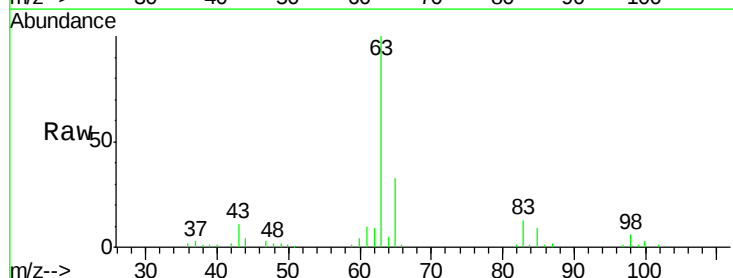
Tgt Ion: 63 Resp: 127036

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.4 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN064428.D (-1235) (-)

Ion 97.90 (97.60 to 98.60): VN064428.D (-1235) (-)

Ion 99.90 (99.60 to 100.60): VN064428.D (-1235) (-)

5.80

50000

40000

30000

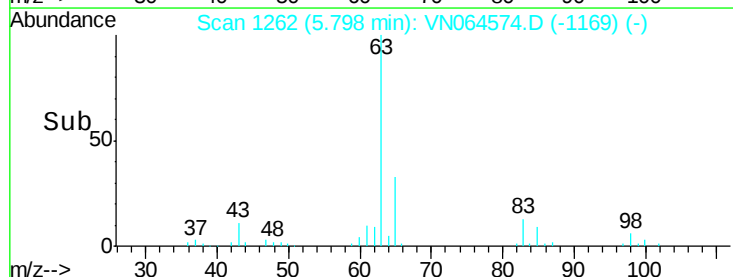
20000

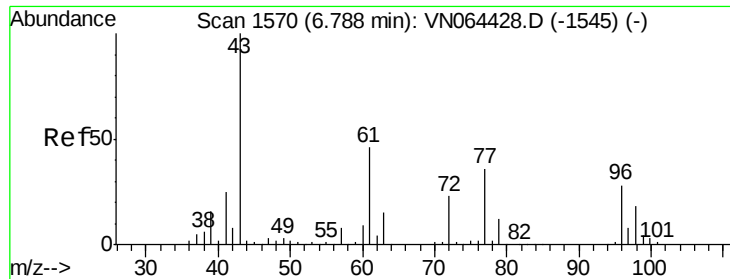
10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 87.454 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

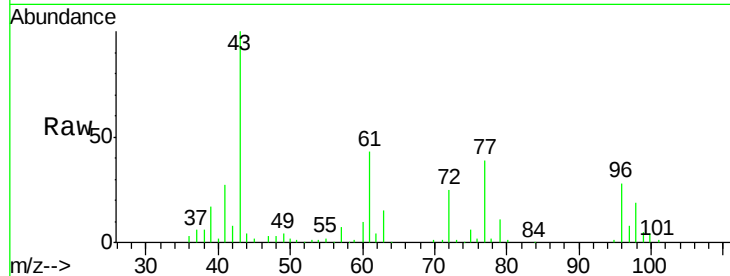
VN1112WBS01

Tot Ion: 43 Resp: 216239

Ion Ratio Lower Upper

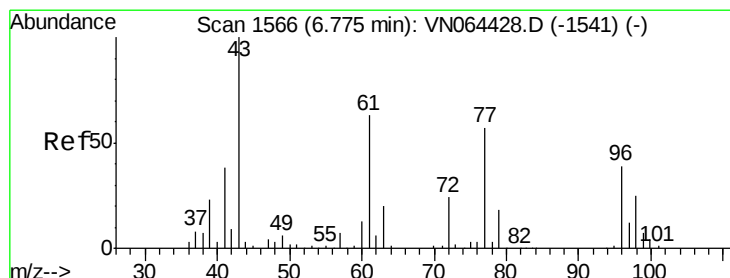
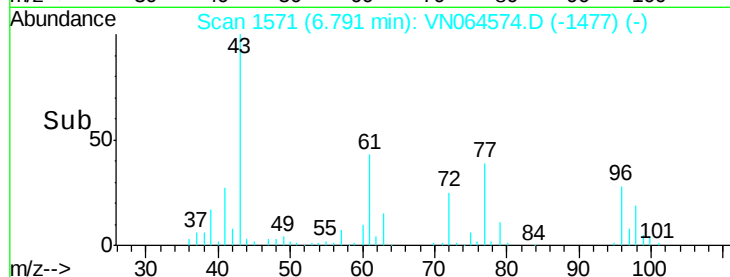
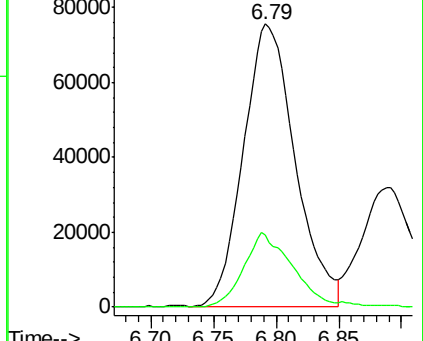
43 100

72 25.4 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.998 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064574.D

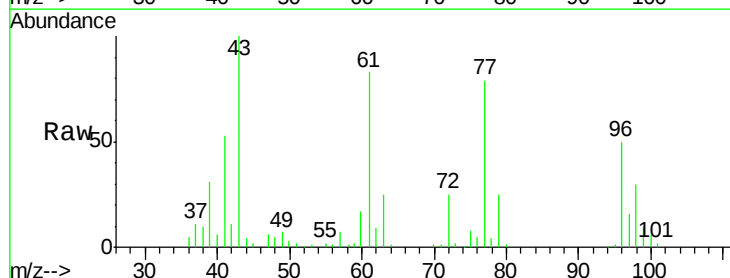
Acq: 12 Nov 2020 12:18

Tgt Ion: 77 Resp: 116287

Ion Ratio Lower Upper

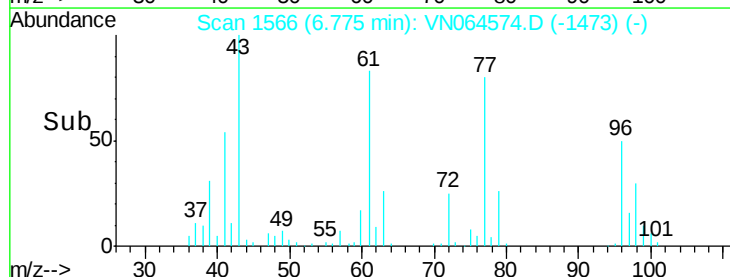
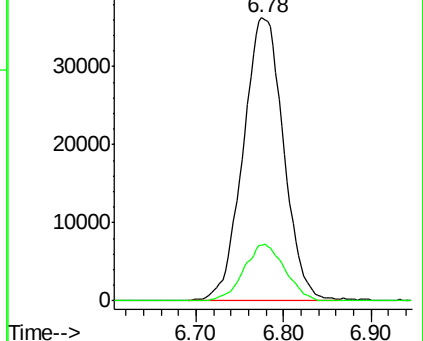
77 100

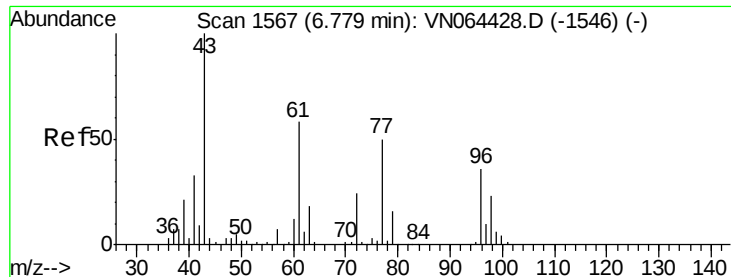
97 20.3 10.2 30.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 17.093 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampled :

VN1112WBS01

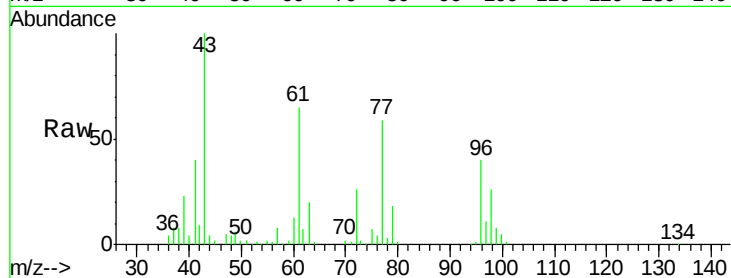
Tot Ion: 96 Resp: 70346

Ion Ratio Lower Upper

96 100

61 164.9 0.0 329.6

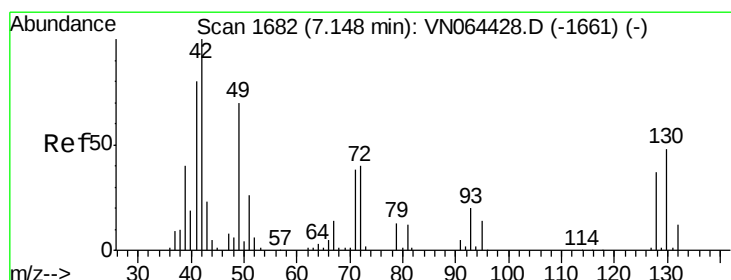
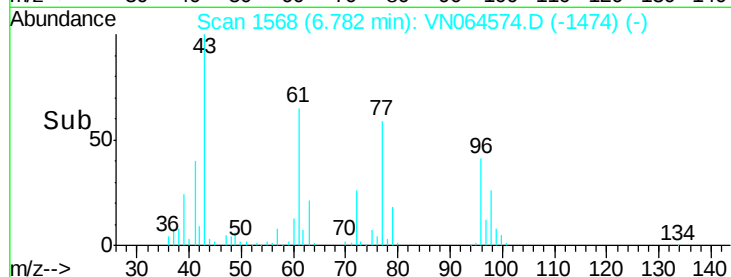
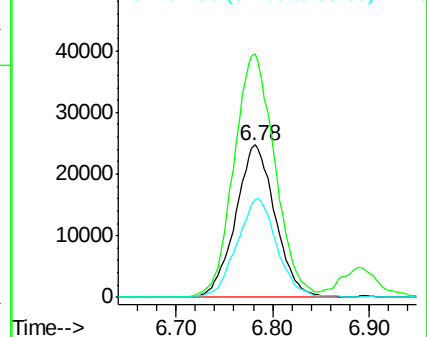
98 65.0 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 17.204 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

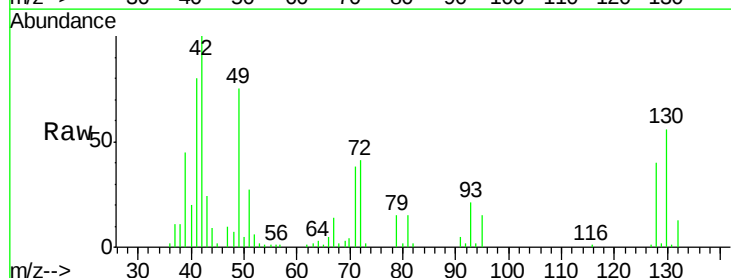
Tgt Ion: 49 Resp: 60357

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.6

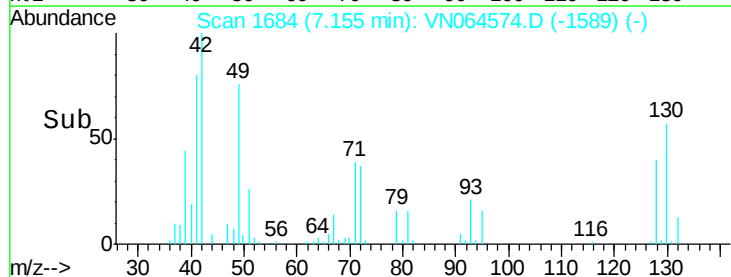
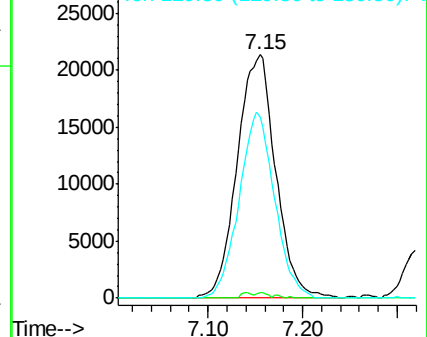
130 70.2 54.2 81.4

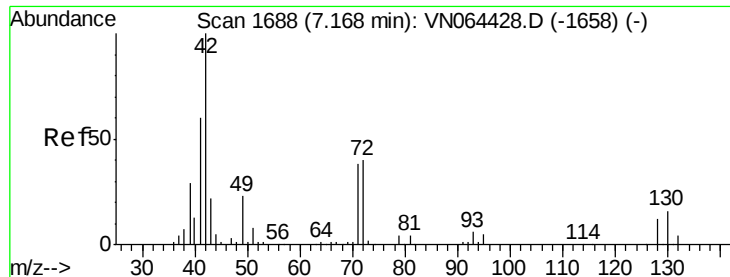


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

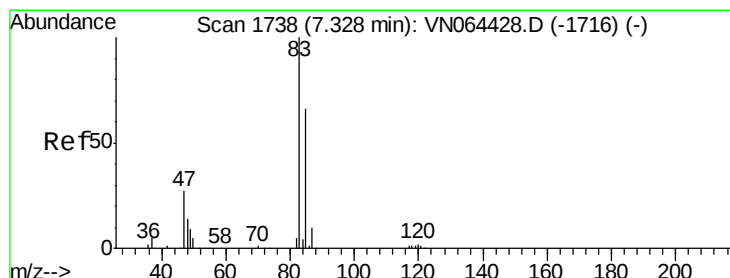
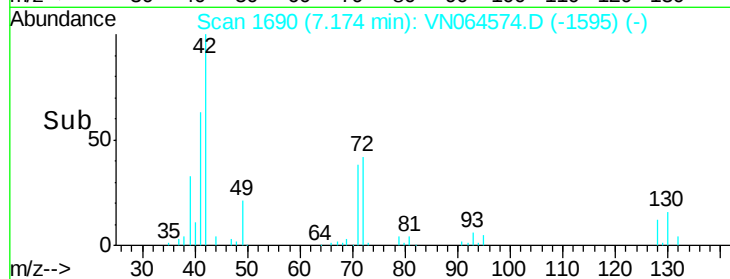
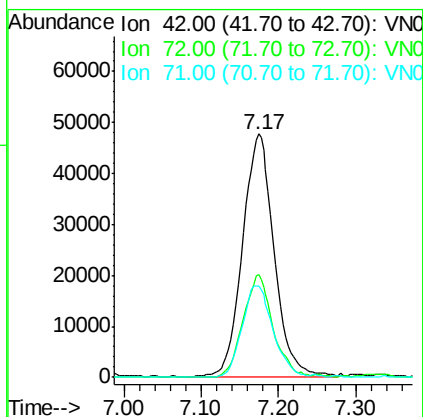
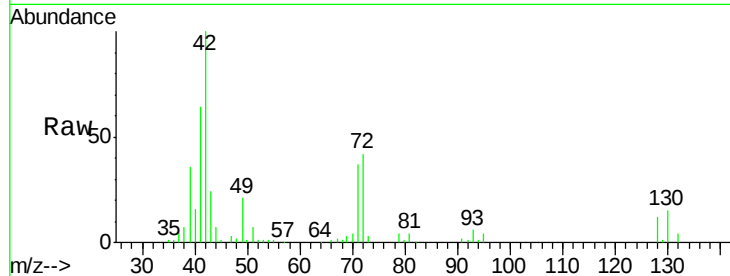




#29
Tetrahydrofuran
Concen: 90.132 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

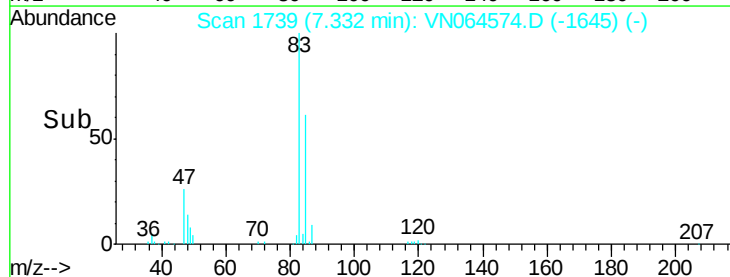
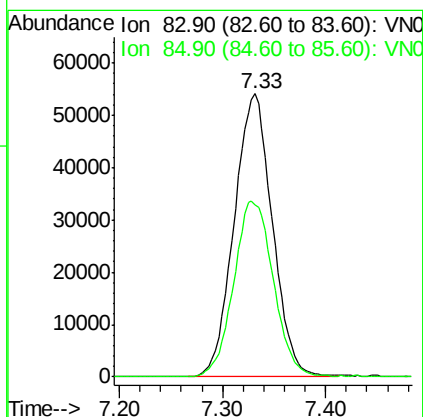
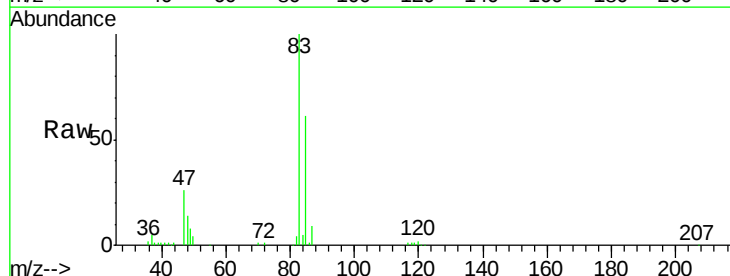
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

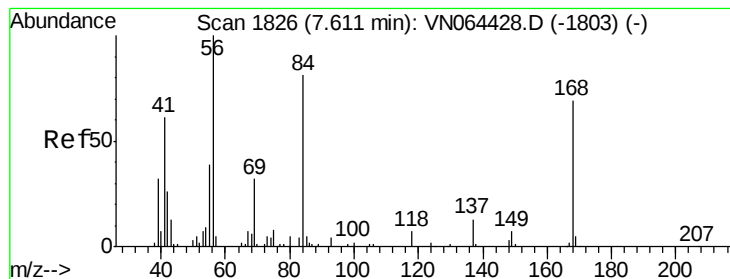
Tot Ion: 42 Resp: 136729
Ion Ratio Lower Upper
42 100
72 39.6 31.7 47.5
71 36.8 29.8 44.6



#30
Chloroform
Concen: 18.585 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion: 83 Resp: 139434
Ion Ratio Lower Upper
83 100
85 60.4 52.5 78.7





#31

Cyclohexane

Concen: 16.150 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

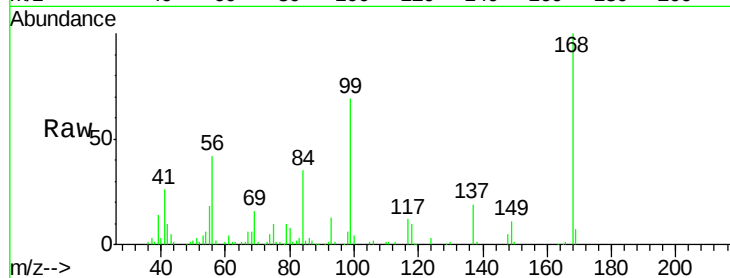
Tot Ion: 56 Resp: 100014

Ion Ratio Lower Upper

56 100

69 38.3 25.6 38.4

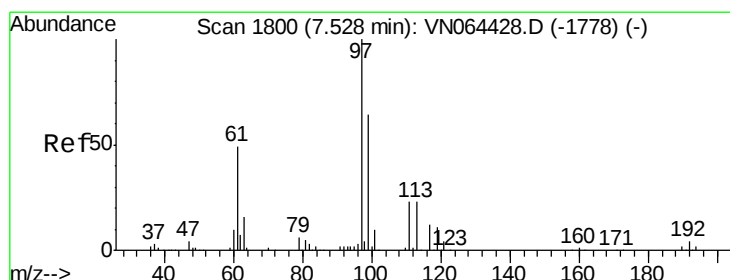
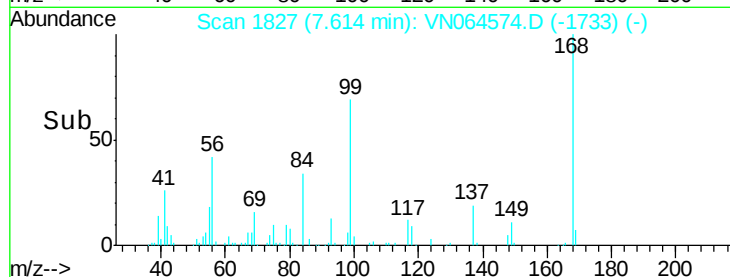
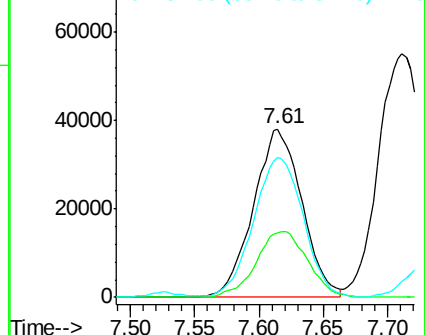
84 81.6 63.0 94.6



Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-1803) (-)

Ion 69.00 (68.70 to 69.70): VN064428.D (-1803) (-)

Ion 84.00 (83.70 to 84.70): VN064428.D (-1803) (-)



#32

1,1,1-Trichloroethane

Concen: 18.209 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

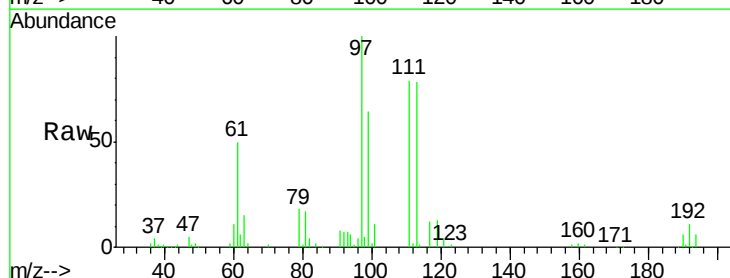
Tgt Ion: 97 Resp: 121173

Ion Ratio Lower Upper

97 100

99 65.7 51.3 76.9

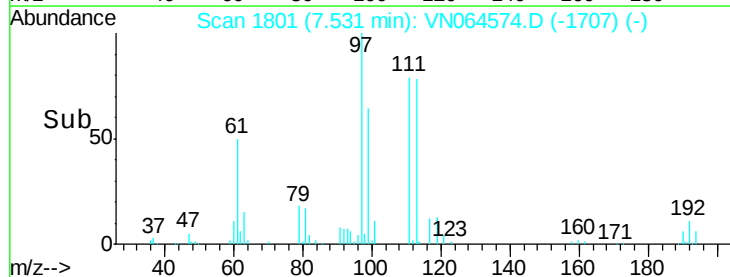
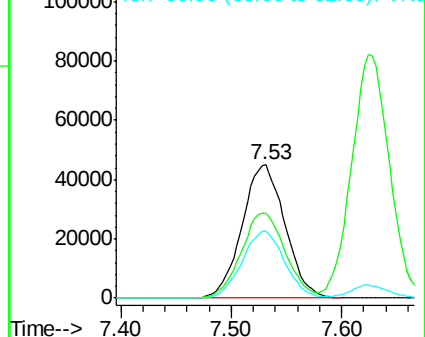
61 49.7 39.1 58.7

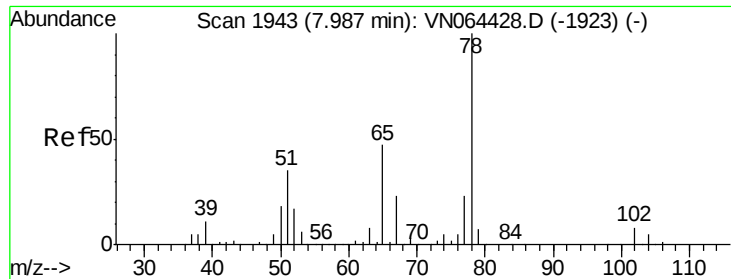


Abundance Ion 96.90 (96.60 to 97.60): VN064428.D (-1778) (-)

Ion 98.90 (98.60 to 99.60): VN064428.D (-1778) (-)

Ion 60.90 (60.60 to 61.60): VN064428.D (-1778) (-)

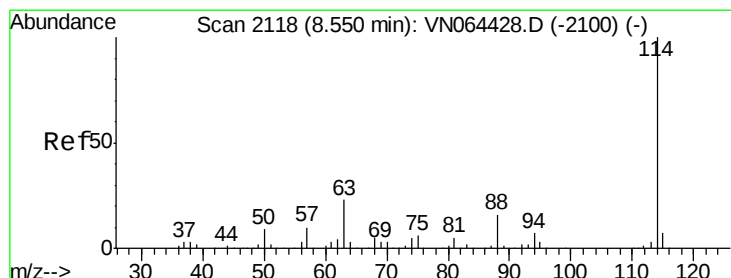
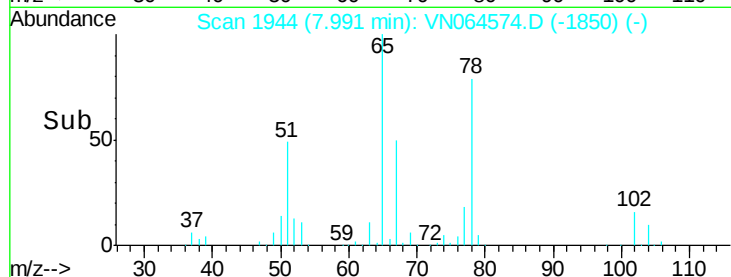
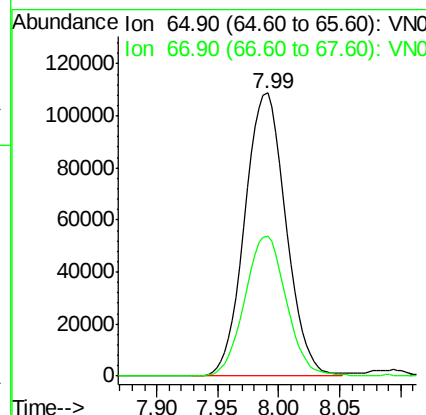
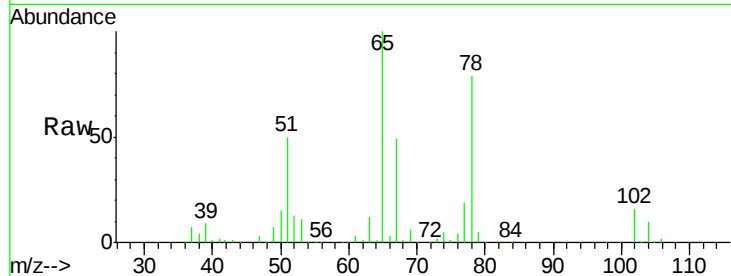




#33
 1,2-Dichloroethane-d4
 Concen: 49.859 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

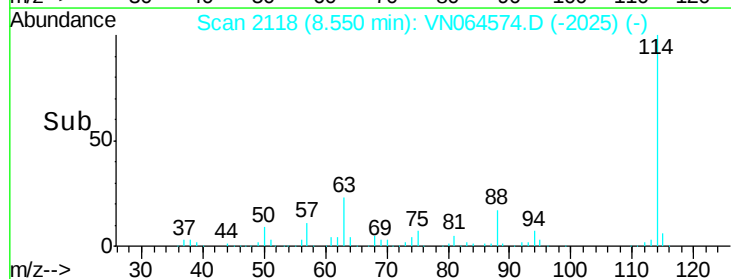
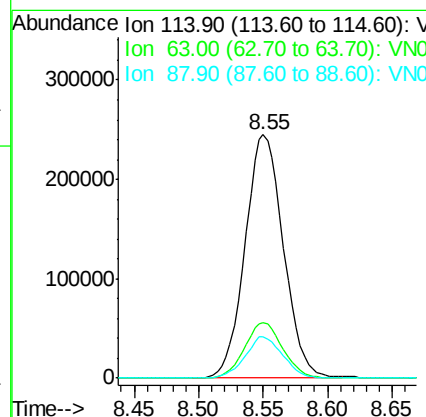
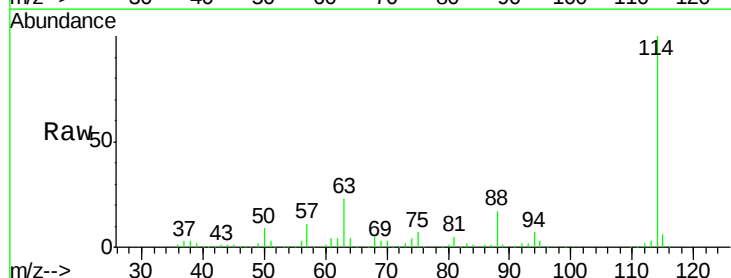
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

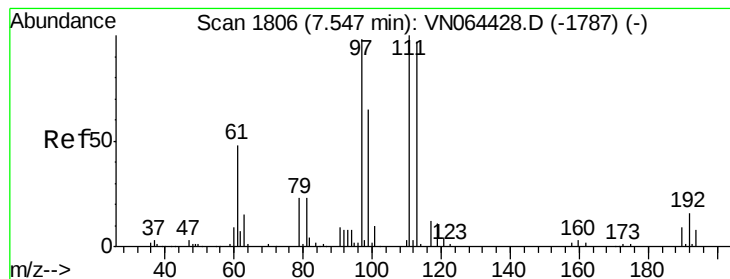
Tot Ion: 65 Resp: 254007
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion: 114 Resp: 507178
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.6
 88 17.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.370 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

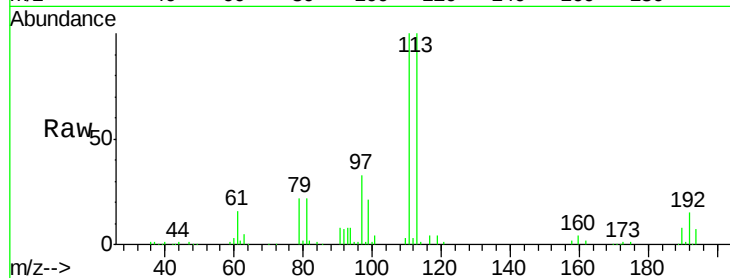
Tot Ion:113 Resp: 177390

Ion Ratio Lower Upper

113 100

111 99.8 81.1 121.7

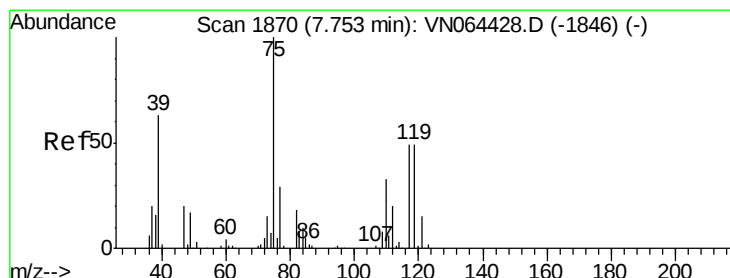
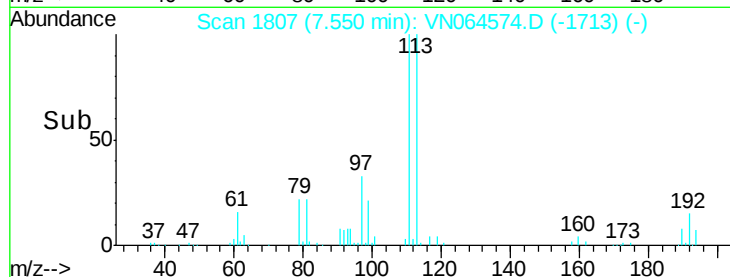
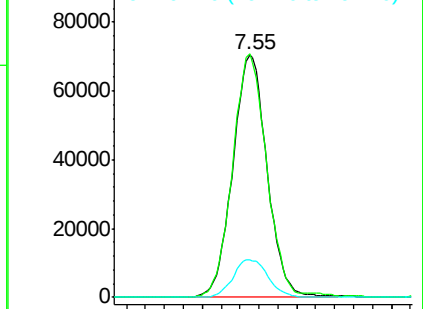
192 15.8 12.8 19.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.683 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

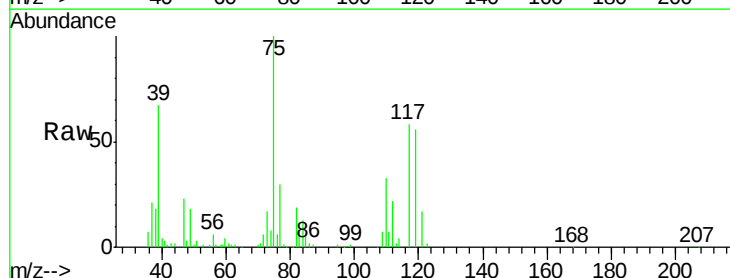
Tgt Ion: 75 Resp: 94747

Ion Ratio Lower Upper

75 100

110 33.3 16.0 48.0

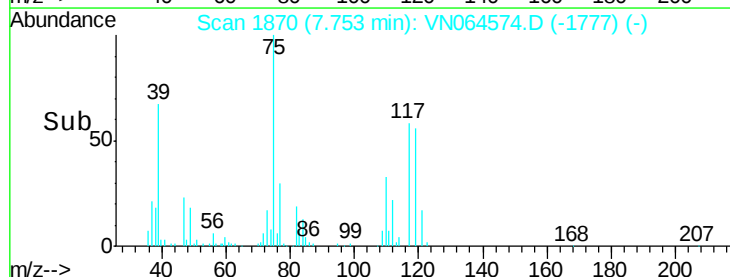
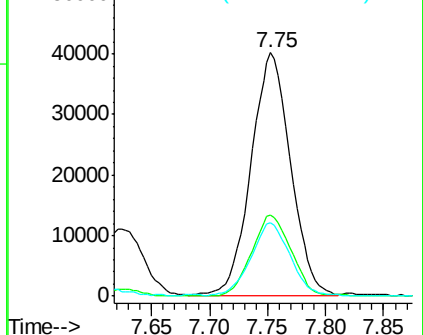
77 30.3 24.0 36.0

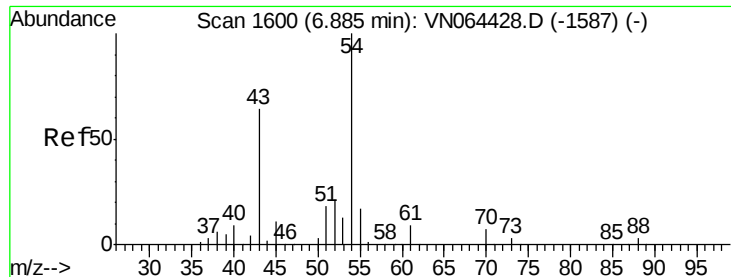


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

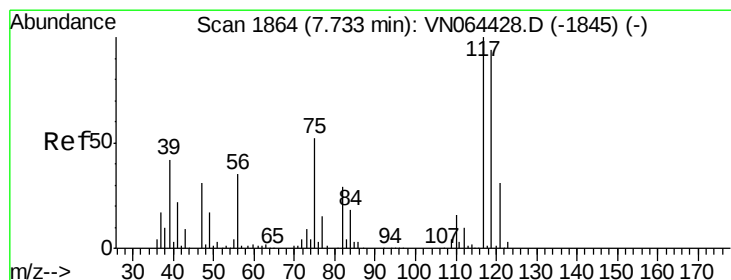
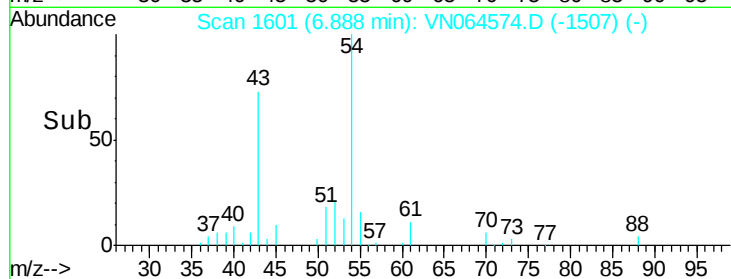
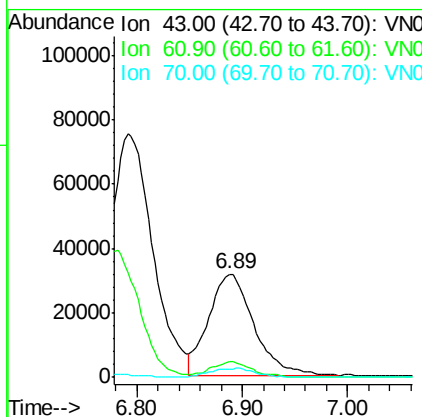
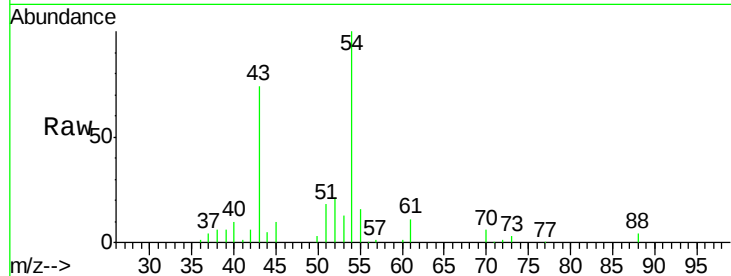




#37
Ethyl Acetate
Concen: 17.839 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

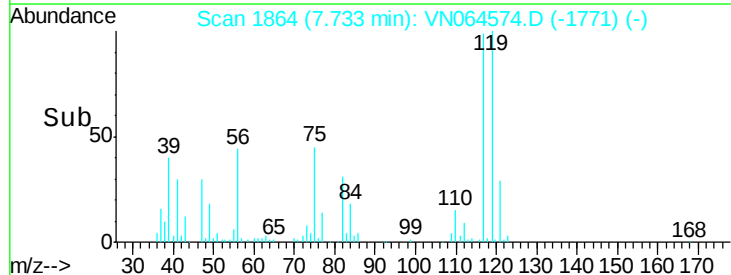
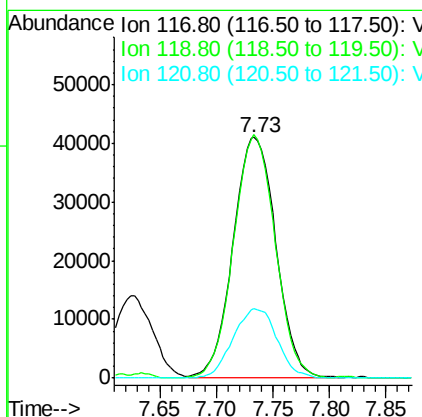
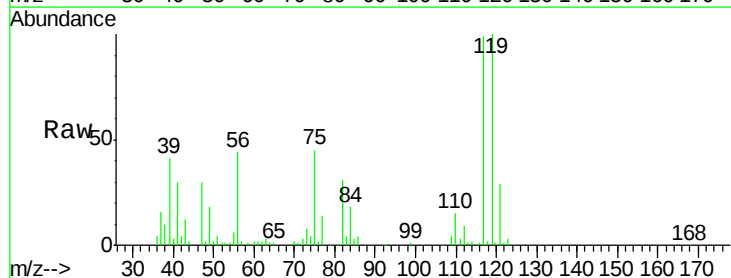
Instrument :
MSVOA_N
ClientSampled :
VN1112WBS01

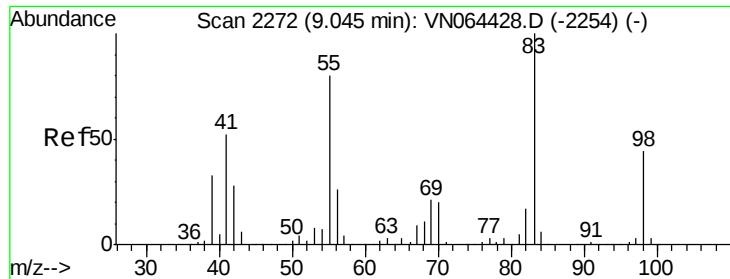
Tot Ion: 43 Resp: 94301
Ion Ratio Lower Upper
43 100
61 13.5 10.0 15.0
70 3.7 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 18.949 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion: 117 Resp: 108509
Ion Ratio Lower Upper
117 100
119 100.6 75.5 113.3
121 28.9 24.4 36.6

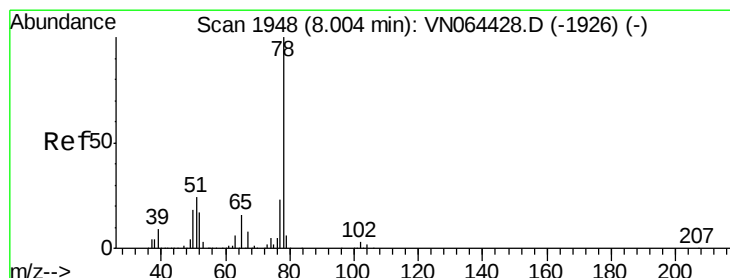
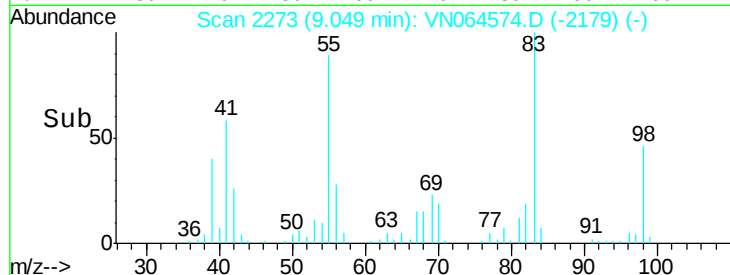
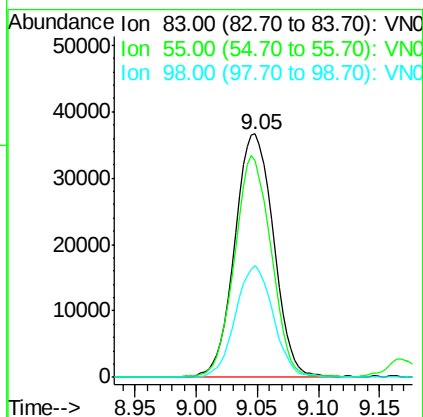
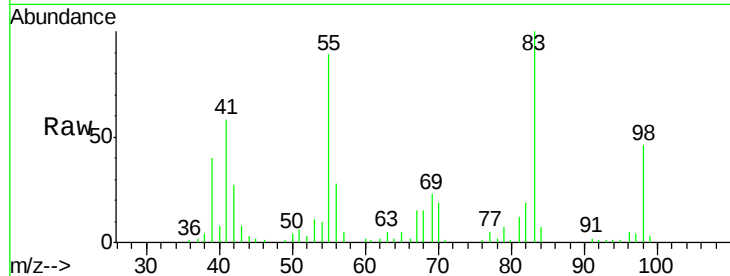




#39
Methvlcvclohexane
Concen: 16.813 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

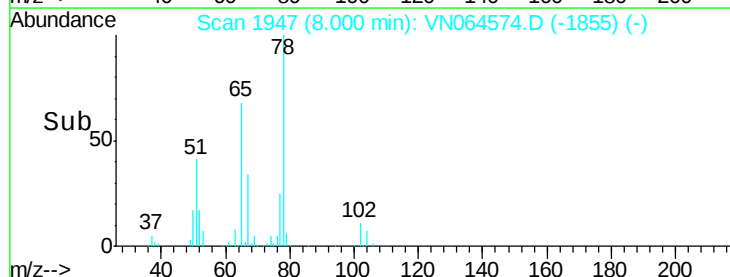
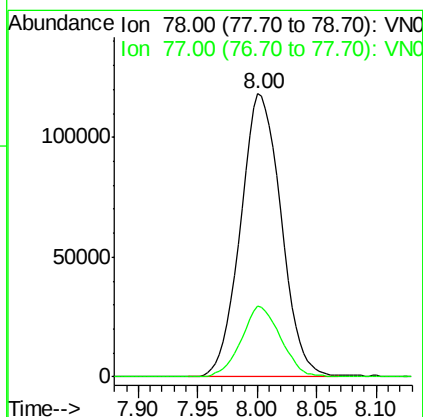
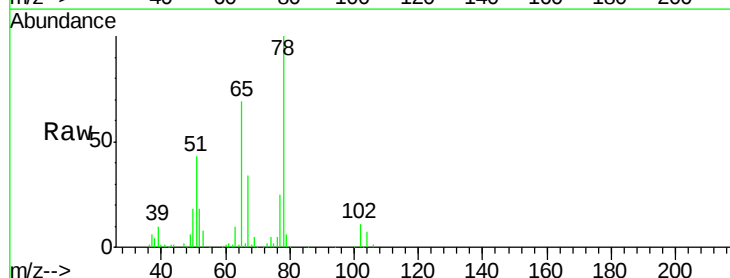
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

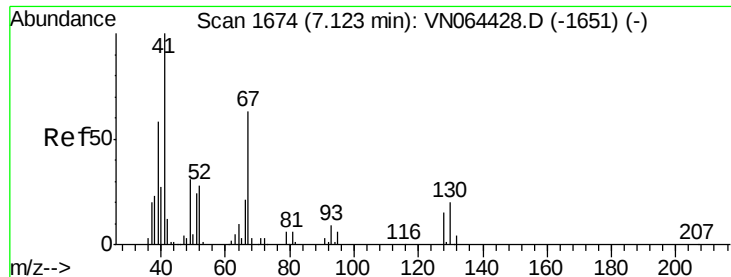
Tot Ion: 83 Resp: 80753
Ion Ratio Lower Upper
83 100
55 88.5 63.8 95.6
98 45.9 35.4 53.2



#40
Benzene
Concen: 17.780 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion: 78 Resp: 279936
Ion Ratio Lower Upper
78 100
77 24.9 18.7 28.1

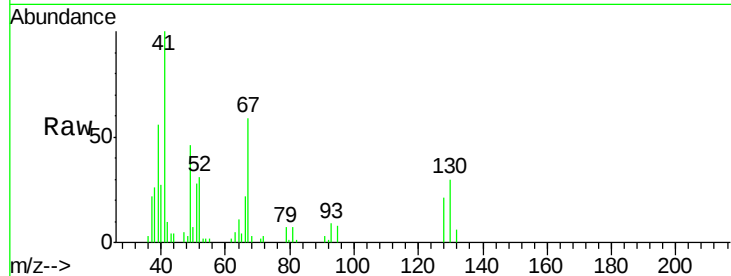




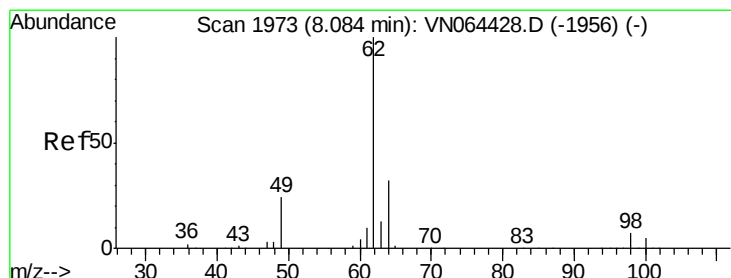
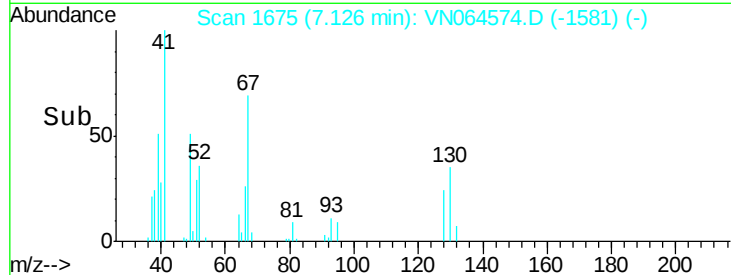
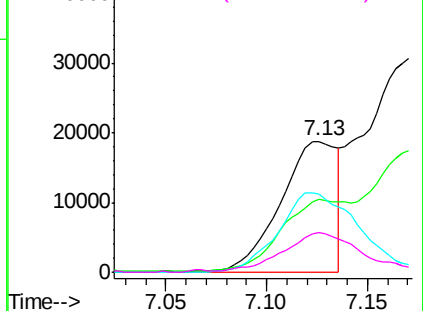
#41
Methacrylonitrile
Concen: 15.387 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion:	41	Resp:	36552
Ion	Ratio	Lower	Upper
41	100		
39	64.6	50.0	75.0
67	88.2	68.3	102.5
52	39.9	32.7	49.1

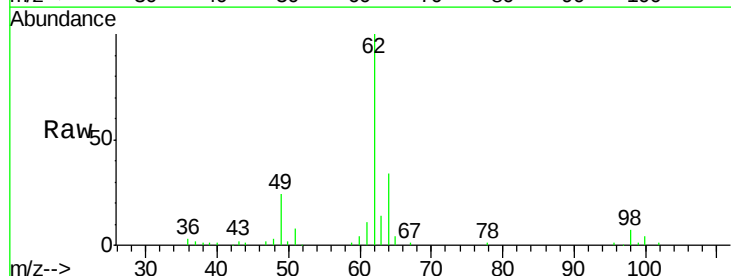


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

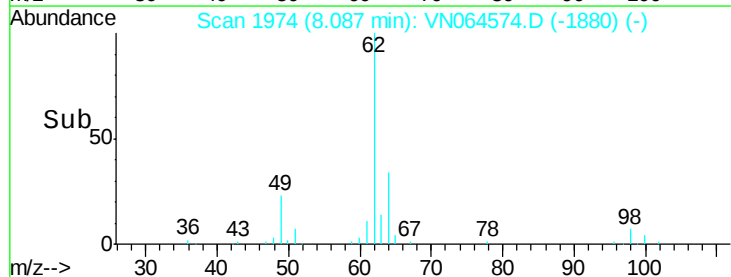
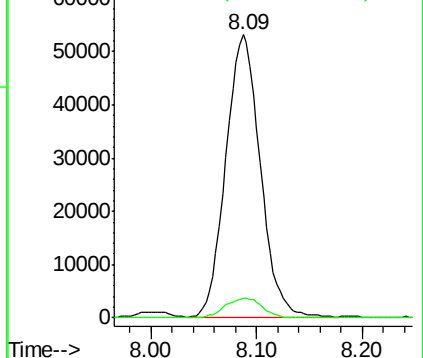


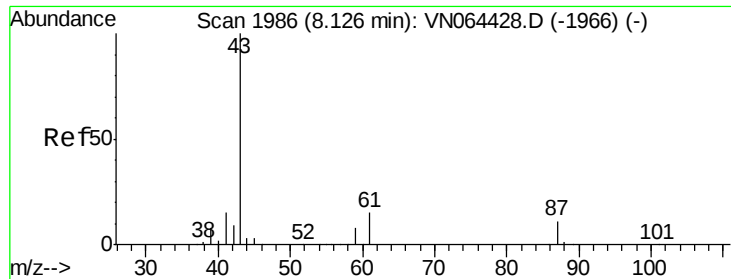
#42
1,2-Dichloroethane
Concen: 18.808 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion:	62	Resp:	119504
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	14.0



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





#43

Isopropyl Acetate

Concen: 17.832 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

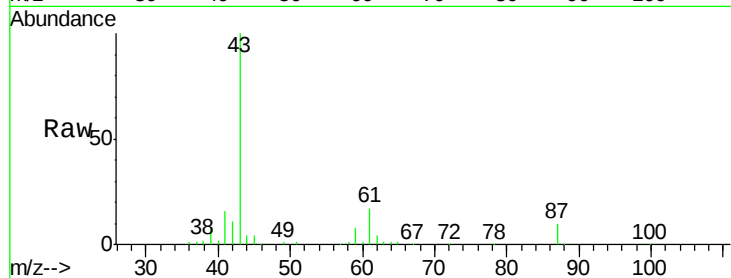
Tot Ion: 43 Resp: 154837

Ion Ratio Lower Upper

43 100

61 17.5 14.0 21.0

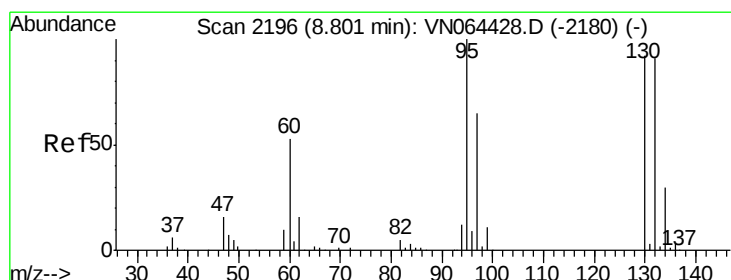
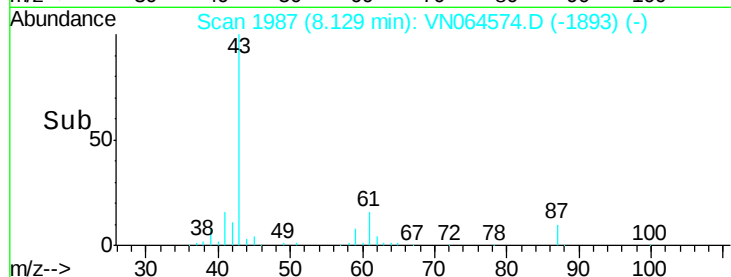
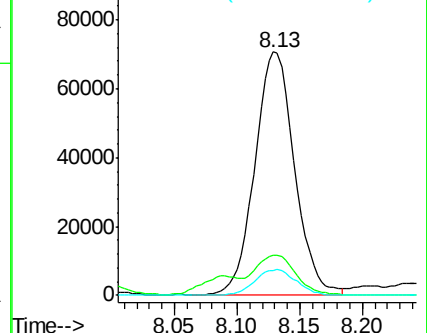
87 11.1 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN064428.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1966) (-)



#44

Trichloroethene

Concen: 18.283 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN064574.D

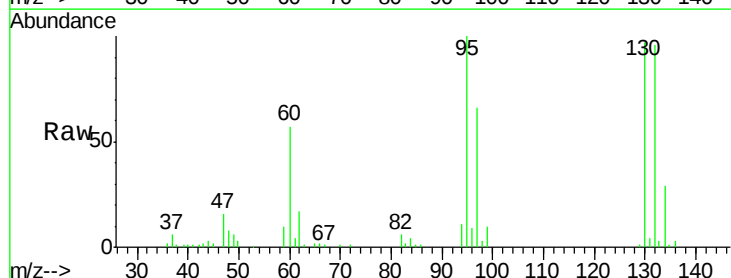
Acq: 12 Nov 2020 12:18

Tgt Ion:130 Resp: 72627

Ion Ratio Lower Upper

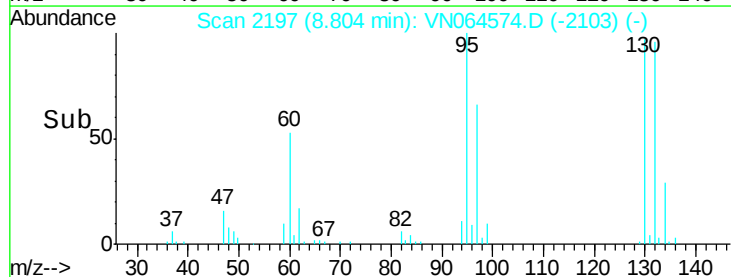
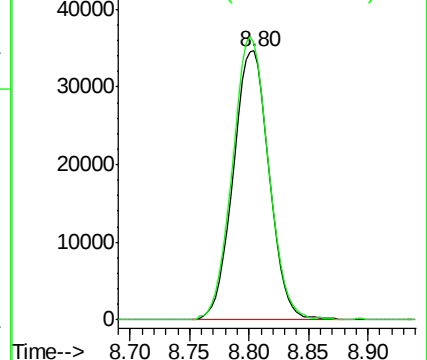
130 100

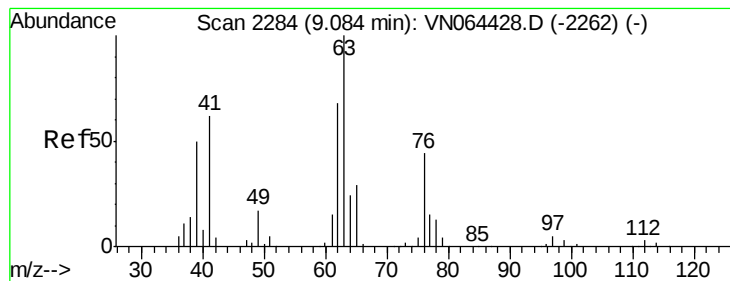
95 103.0 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN064428.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064428.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 18.554 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

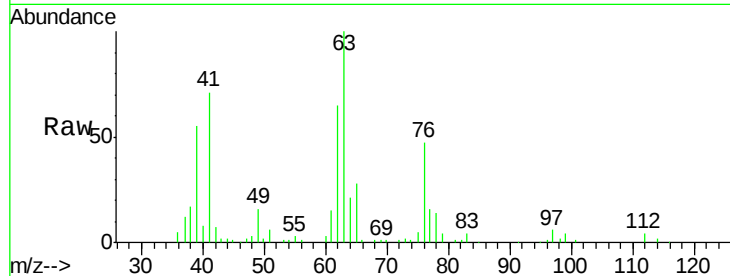
VN1112WBS01

Tot Ion: 63 Resp: 77944

Ion Ratio Lower Upper

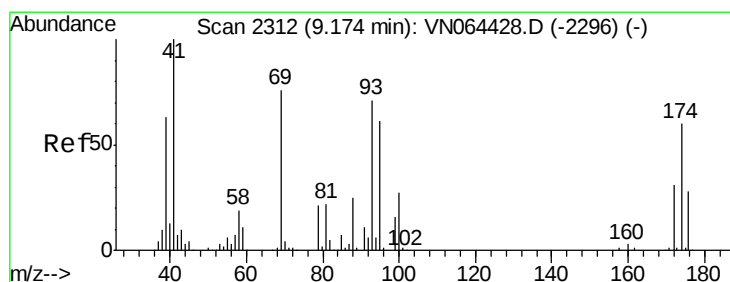
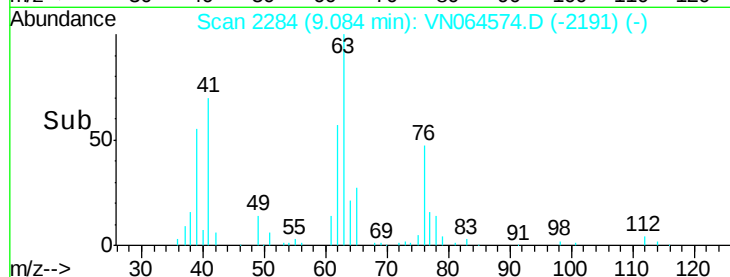
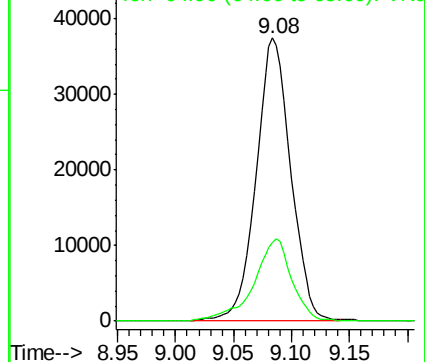
63 100

65 27.7 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.175 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

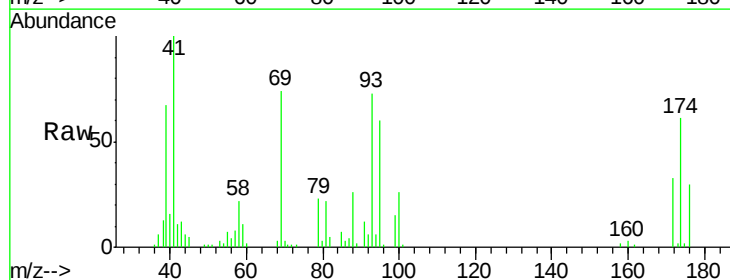
Tgt Ion: 93 Resp: 53029

Ion Ratio Lower Upper

93 100

95 82.7 66.4 99.6

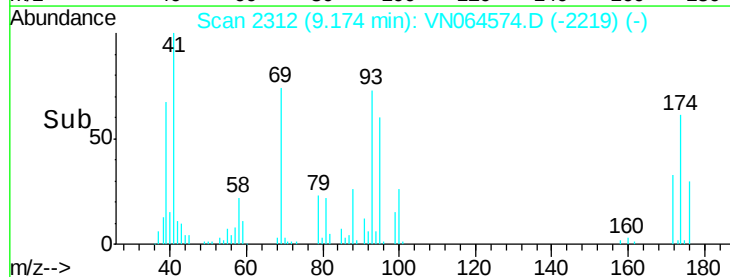
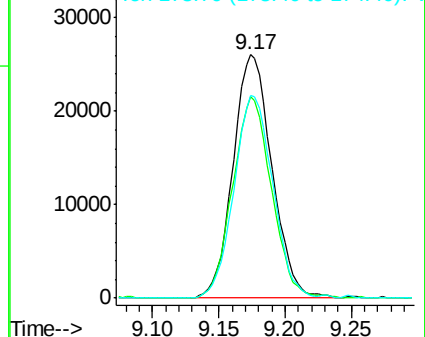
174 83.2 67.2 100.8

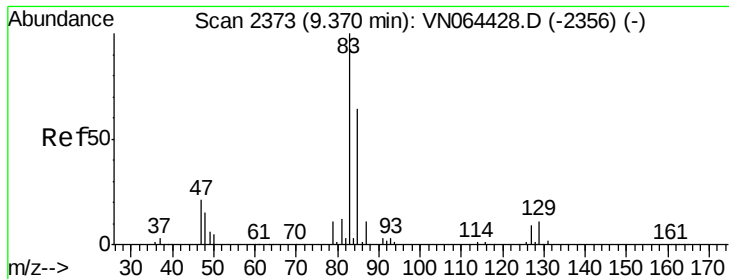


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.404 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

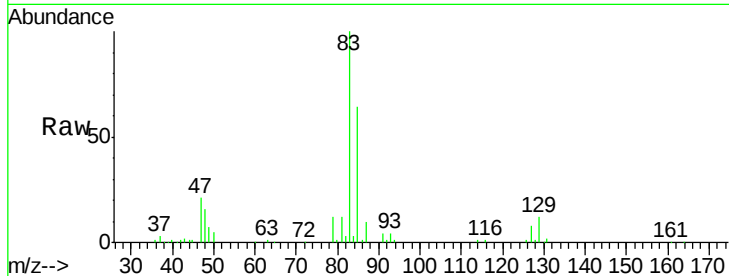
Tot Ion: 83 Resp: 115381

Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8

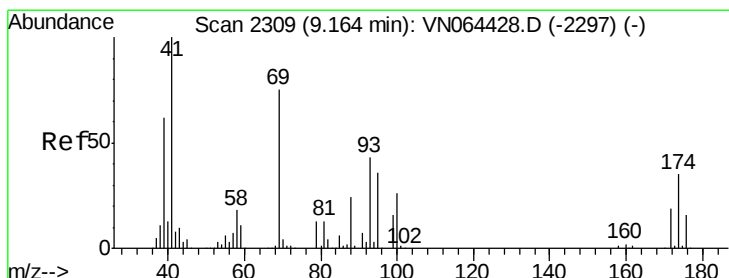
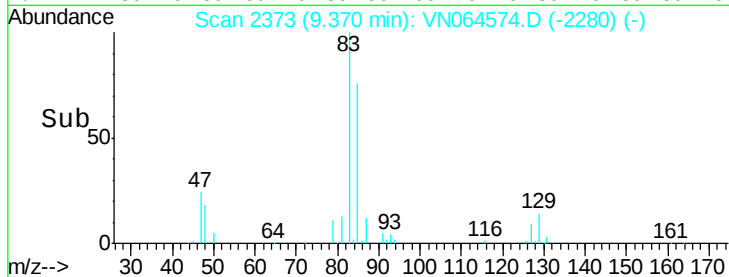
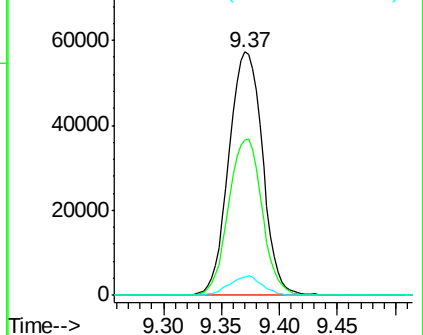
127 7.6 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN064574.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064574.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064574.D (-2280) (-)



#48

Methyl methacrylate

Concen: 17.244 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

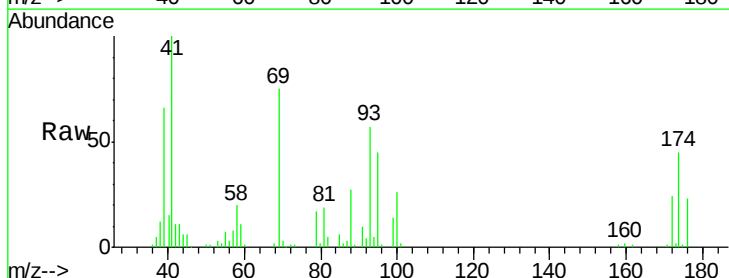
Tgt Ion: 41 Resp: 75553

Ion Ratio Lower Upper

41 100

69 75.4 60.4 90.6

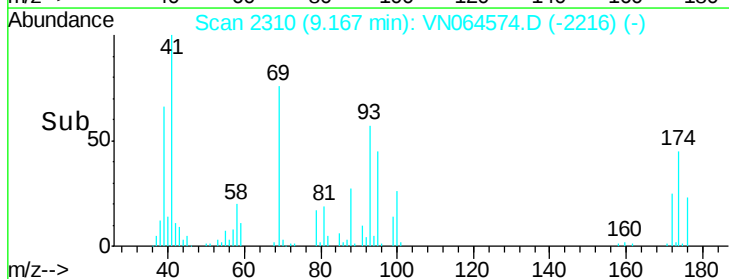
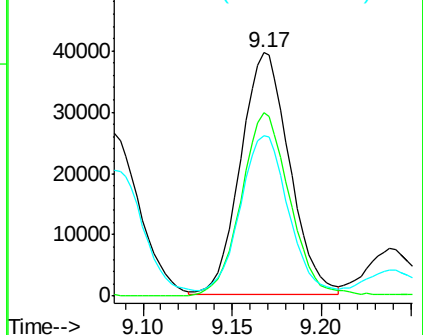
39 64.2 51.2 76.8

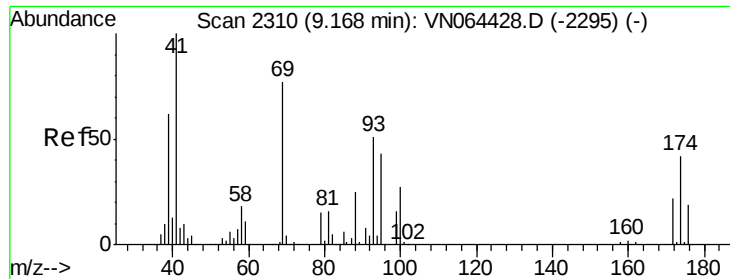


Abundance Ion 41.00 (40.70 to 41.70): VN064574.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064574.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064574.D (-2216) (-)

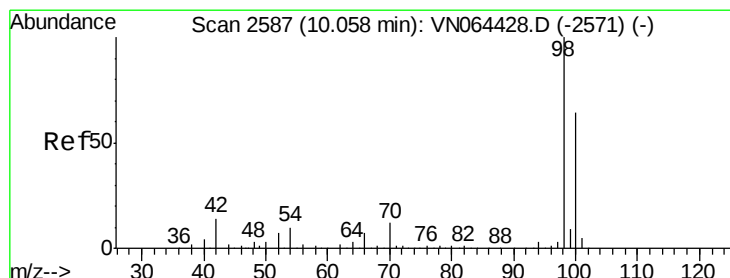
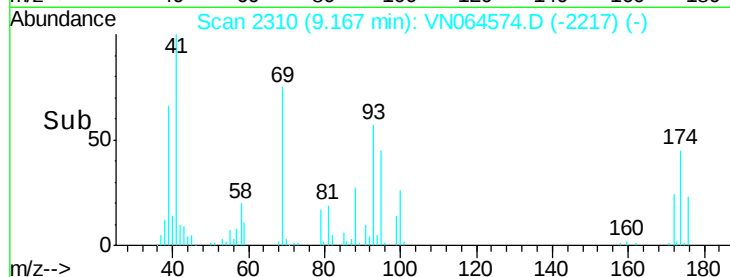
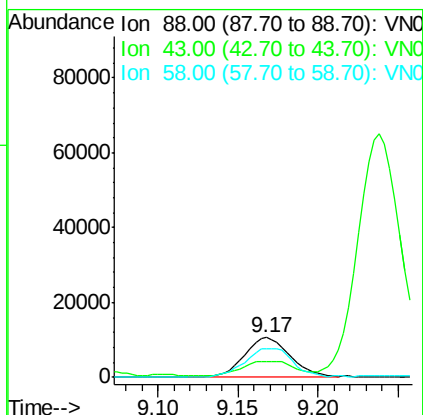
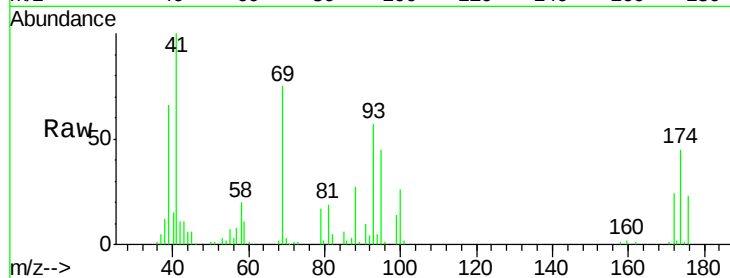




#49
1,4-Dioxane
Concen: 367.420 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

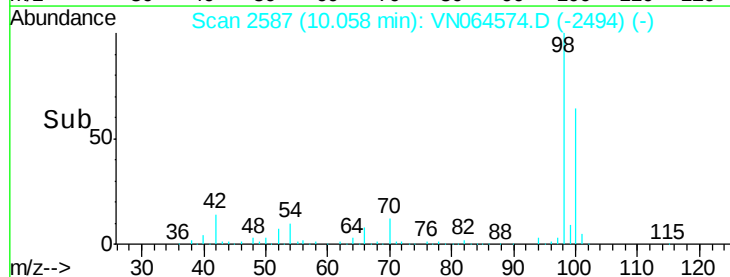
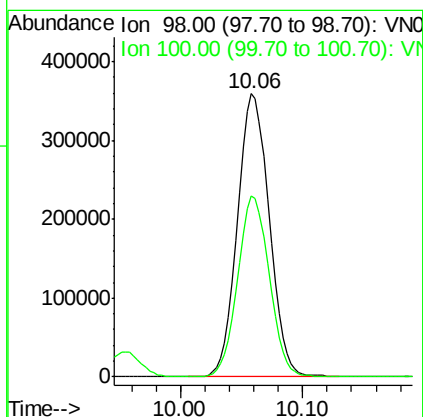
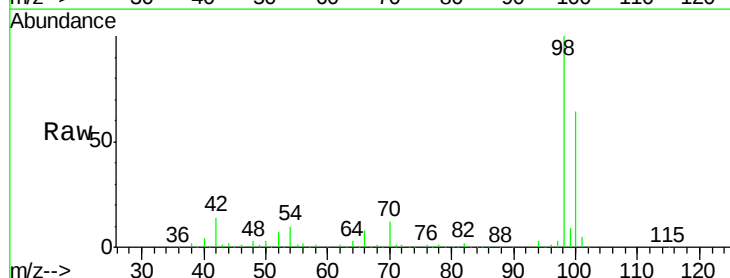
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

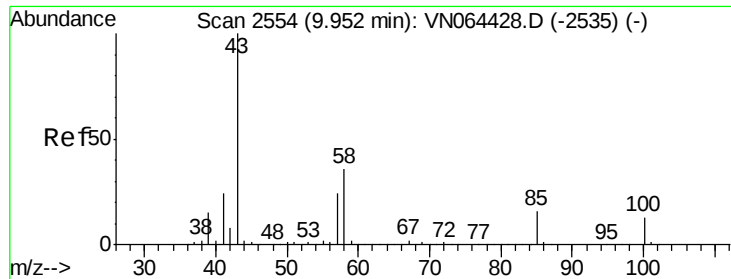
Tot Ion: 88 Resp: 21204
Ion Ratio Lower Upper
88 100
43 41.0 31.0 46.6
58 74.7 58.4 87.6



#50
Toluene-d8
Concen: 48.630 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion: 98 Resp: 649041
Ion Ratio Lower Upper
98 100
100 63.1 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 94.595 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

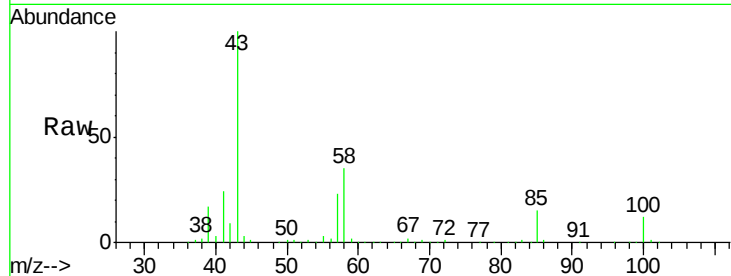
VN1112WBS01

Tot Ion: 43 Resp: 479002

Ion Ratio Lower Upper

43 100

58 35.3 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

250000

200000

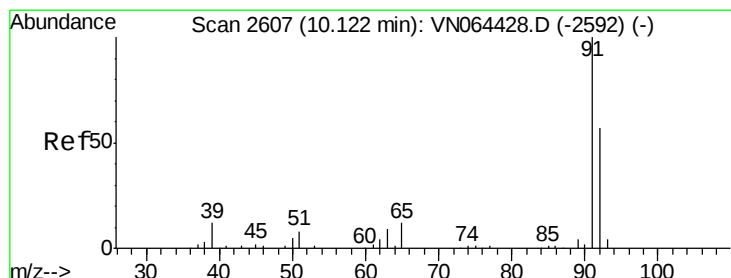
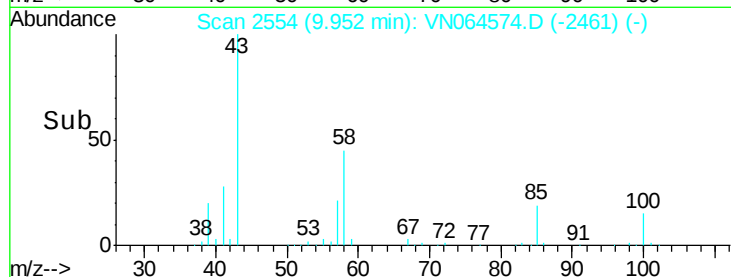
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.240 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064574.D

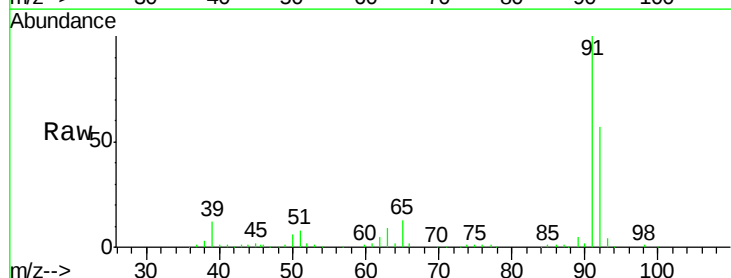
Acq: 12 Nov 2020 12:18

Tgt Ion: 92 Resp: 175159

Ion Ratio Lower Upper

92 100

91 176.5 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.13

200000

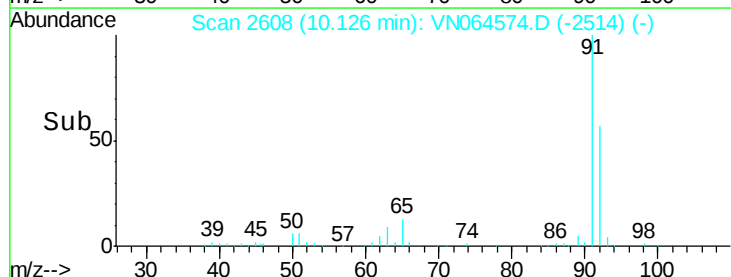
150000

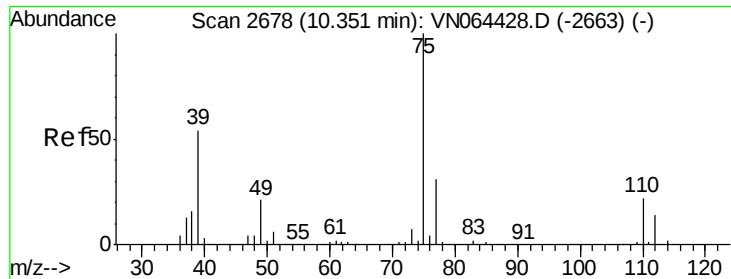
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.991 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

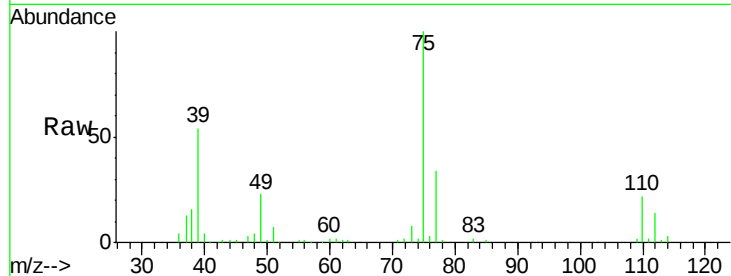
VN1112WBS01

Tot Ion: 75 Resp: 113417

Ion Ratio Lower Upper

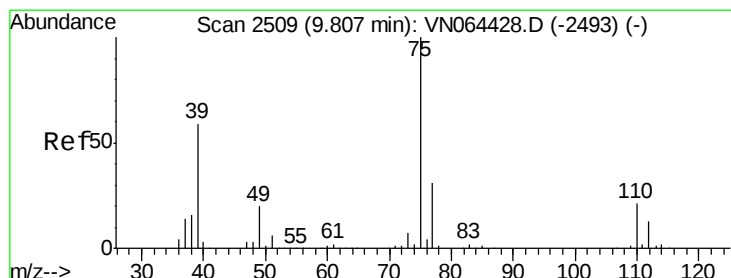
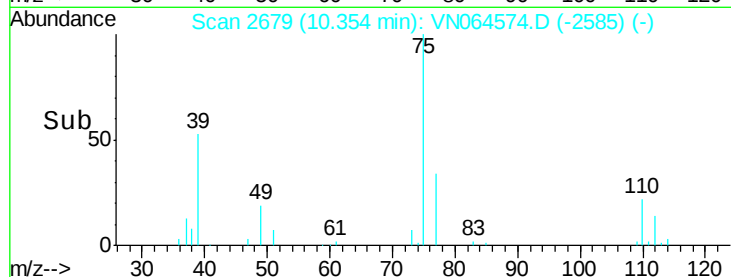
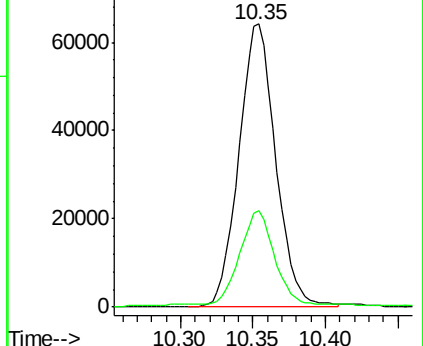
75 100

77 33.3 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.894 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

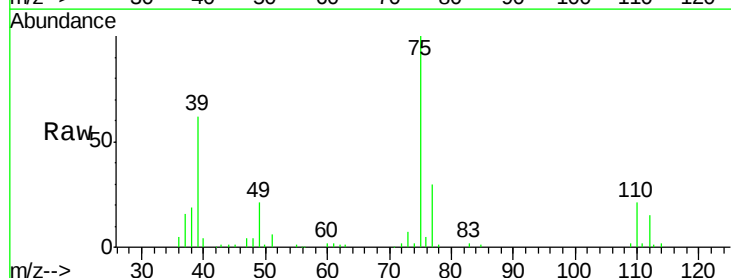
Tgt Ion: 75 Resp: 120607

Ion Ratio Lower Upper

75 100

77 30.0 24.9 37.3

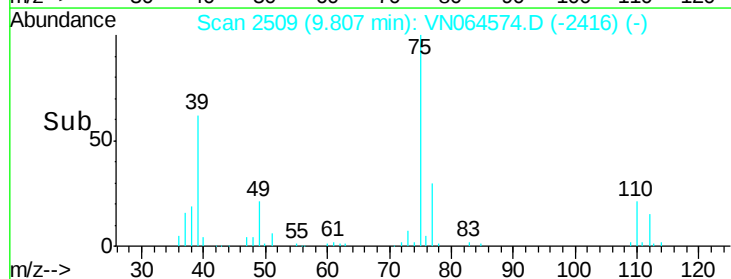
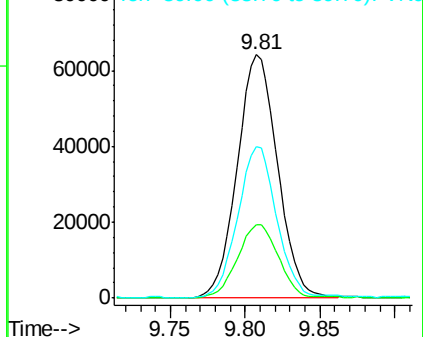
39 61.7 47.1 70.7

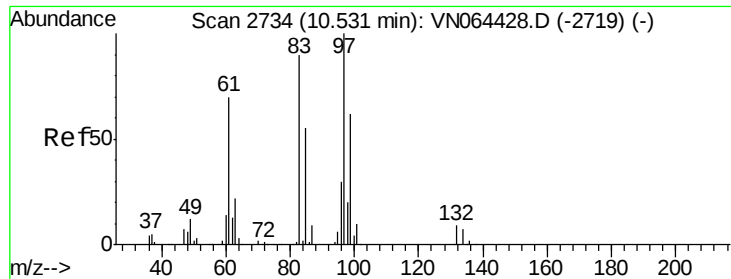


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 18.848 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 97 Resp: 70585

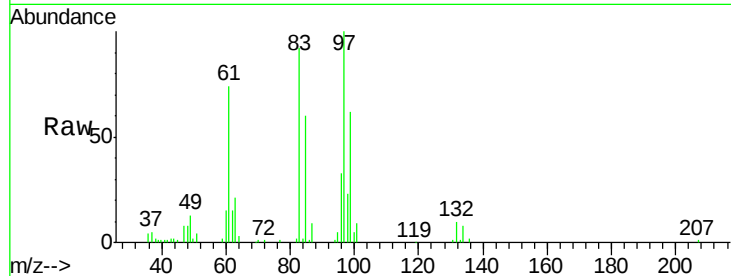
Ion Ratio Lower Upper

97 100

83 91.6 71.7 107.5

85 60.0 44.3 66.5

99 62.0 49.4 74.2

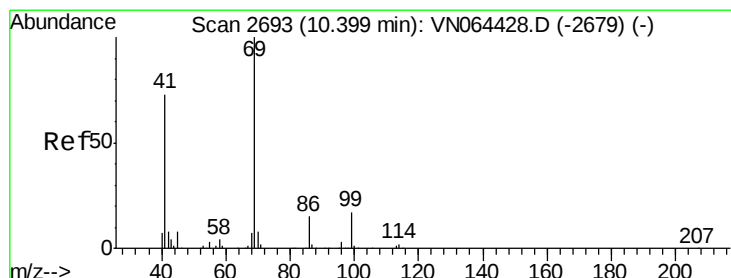
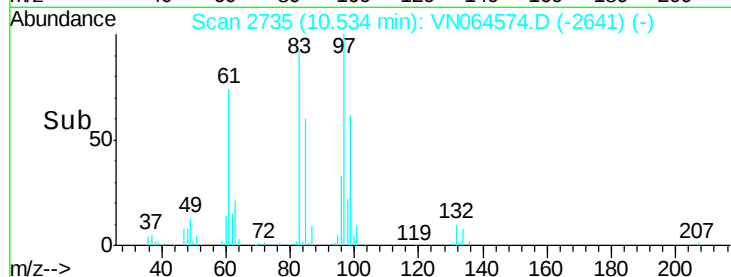
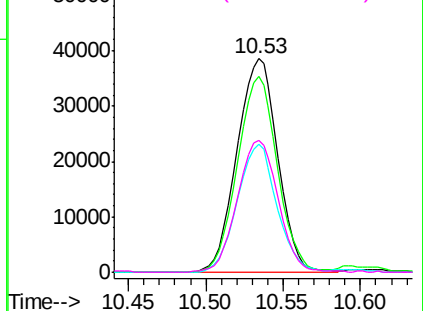


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 16.428 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

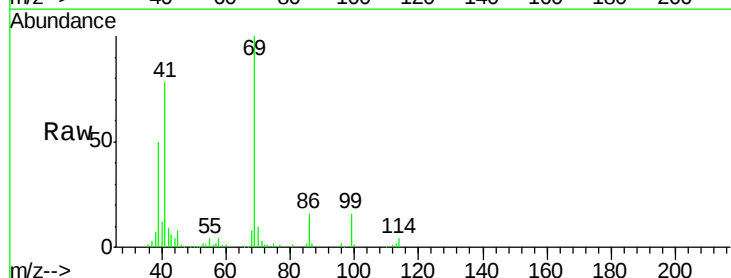
Tgt Ion: 69 Resp: 93318

Ion Ratio Lower Upper

69 100

41 77.1 59.3 88.9

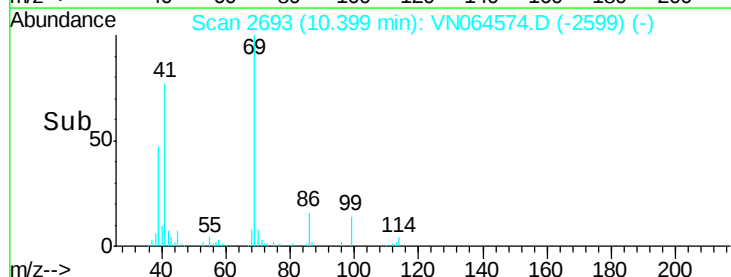
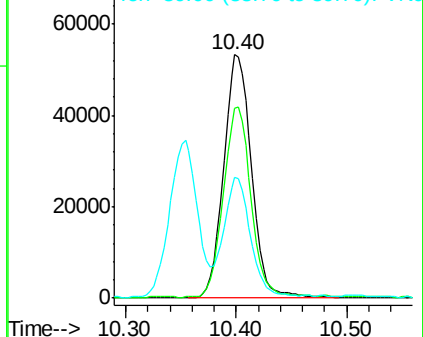
39 46.9 35.4 53.0

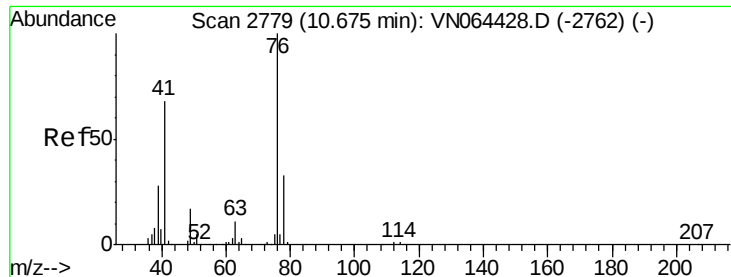


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

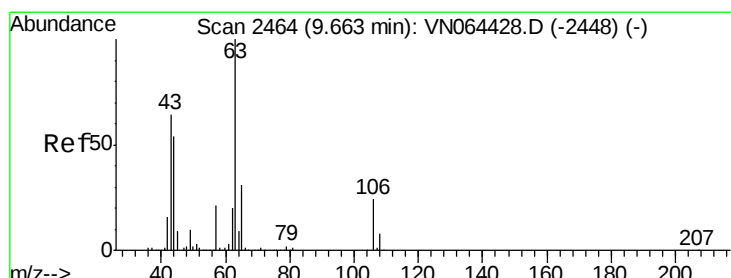
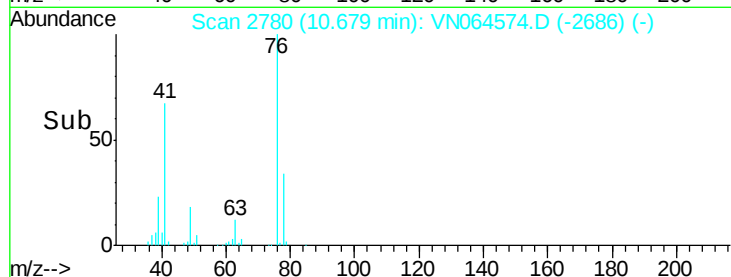
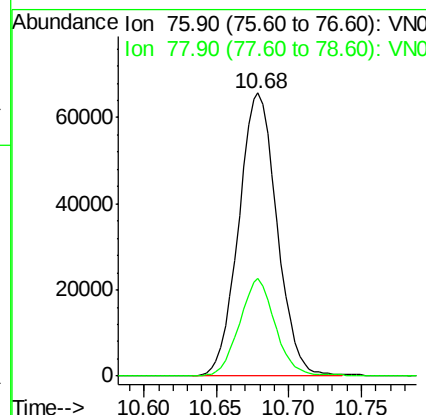
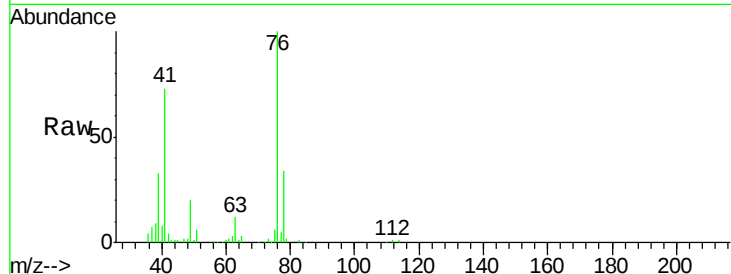




#57
 1,3-Dichloropropane
 Concen: 18.437 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

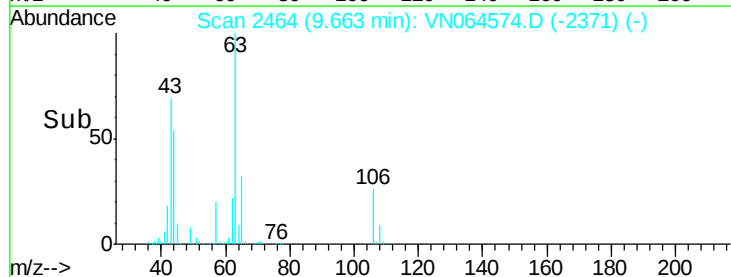
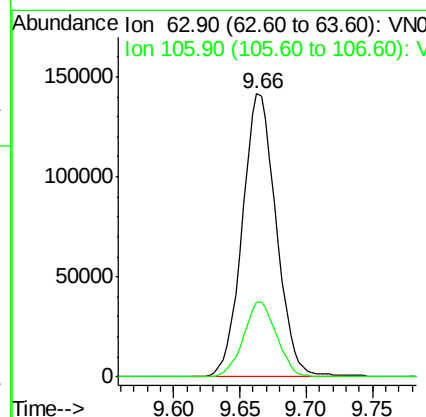
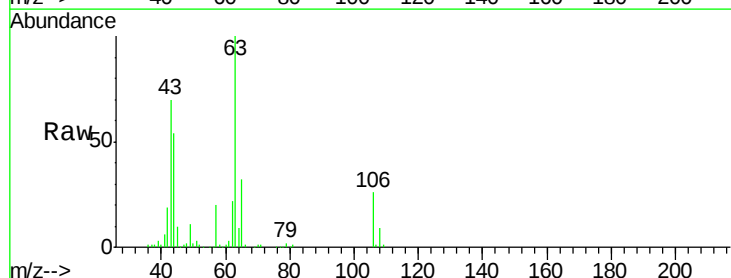
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

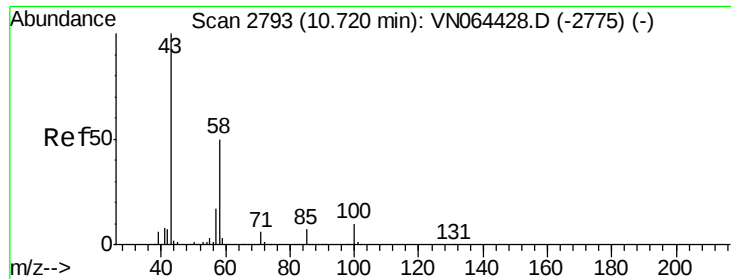
Tot Ion: 76 Resp: 120522
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.399 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion: 63 Resp: 251250
 Ion Ratio Lower Upper
 63 100
 106 25.9 19.5 29.3

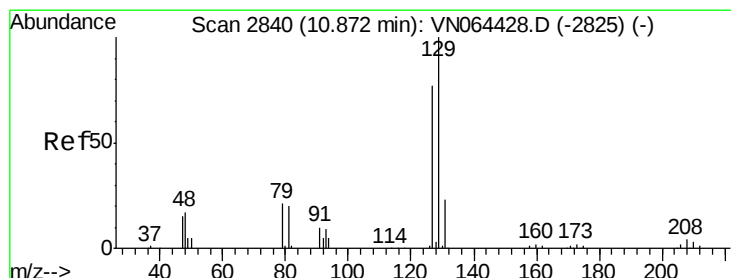
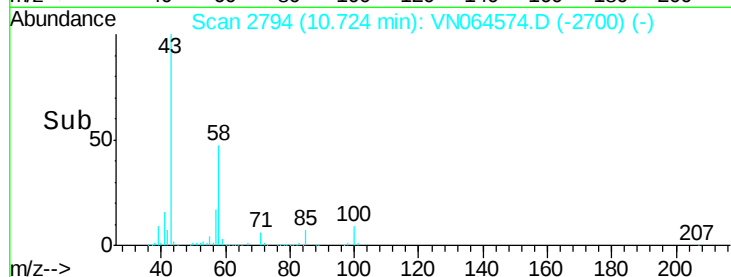
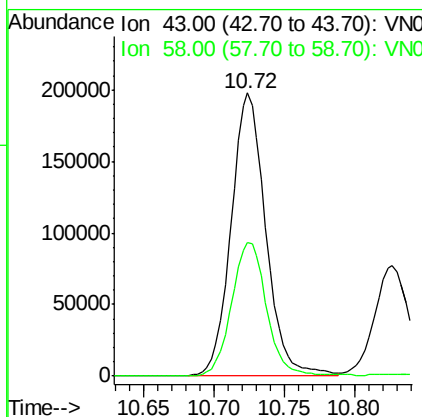
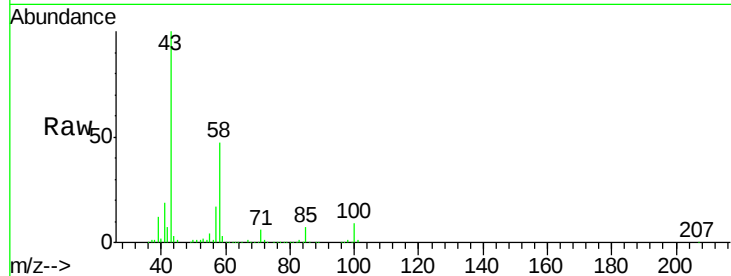




#59
2-Hexanone
Concen: 84.279 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

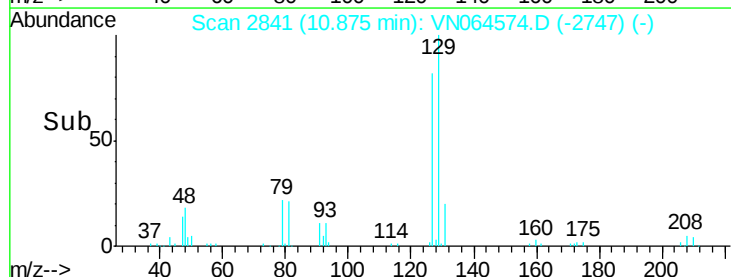
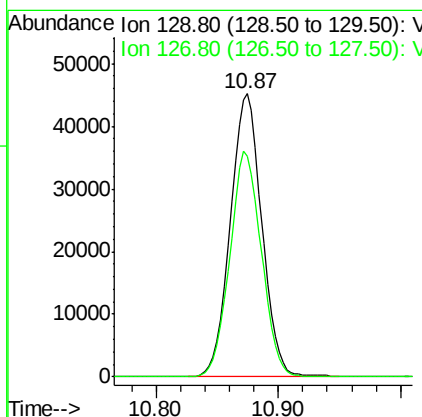
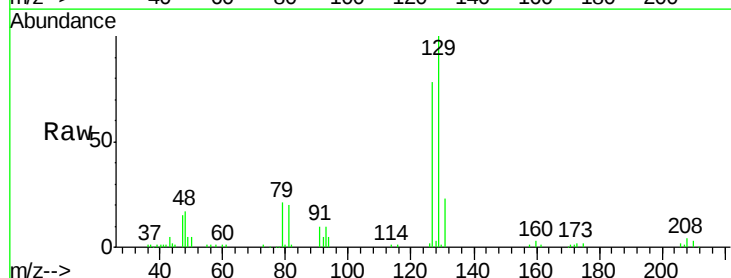
Instrument :
MSVOA_N
ClientSampled :
VN1112WBS01

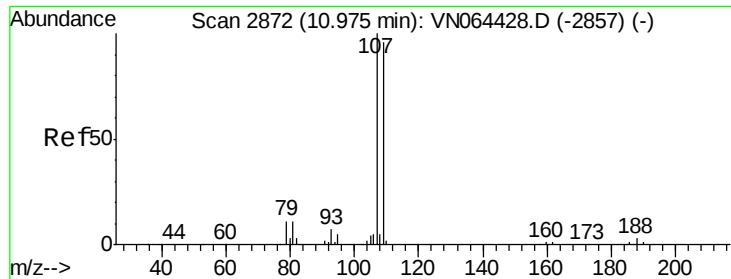
Tot Ion: 43 Resp: 336795
Ion Ratio Lower Upper
43 100
58 48.1 24.7 74.1



#60
Dibromochloromethane
Concen: 19.356 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion: 129 Resp: 81161
Ion Ratio Lower Upper
129 100
127 79.6 38.9 116.7

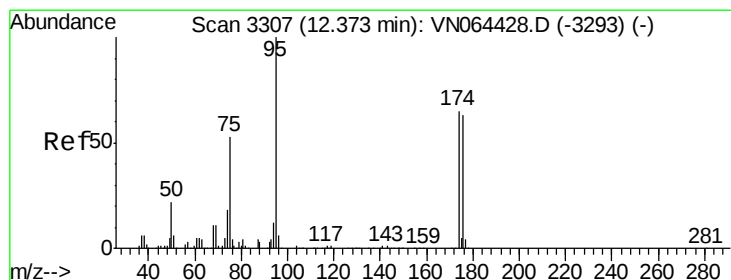
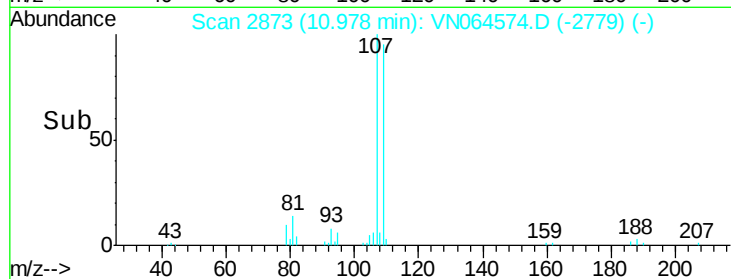
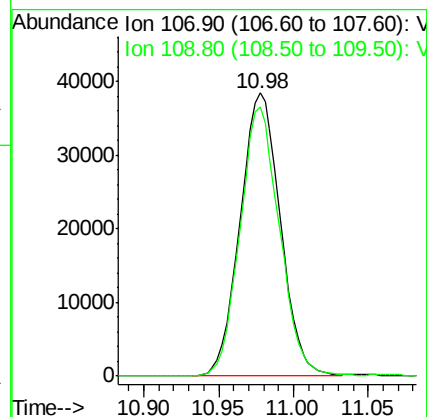
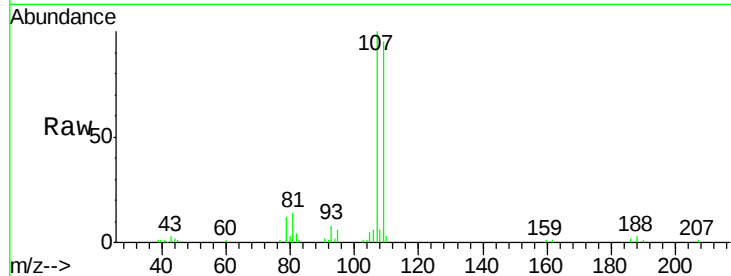




#61
 1,2-Dibromoethane
 Concen: 18.954 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

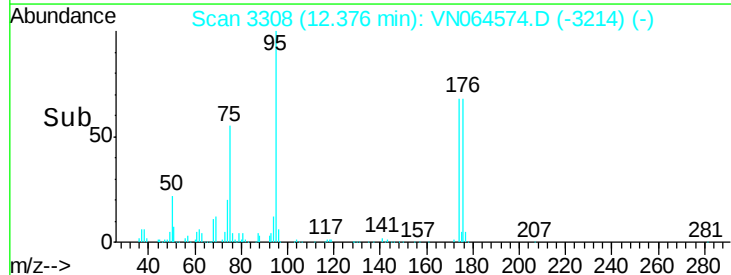
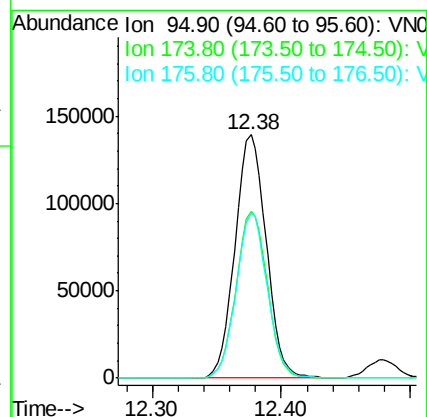
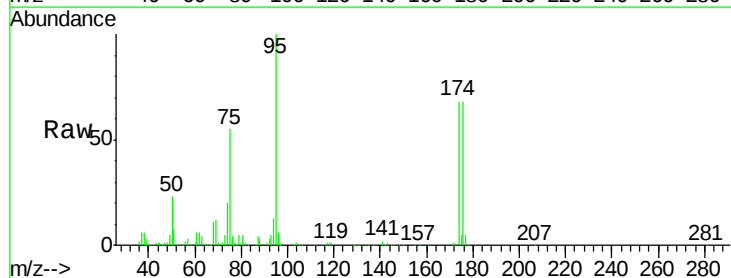
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

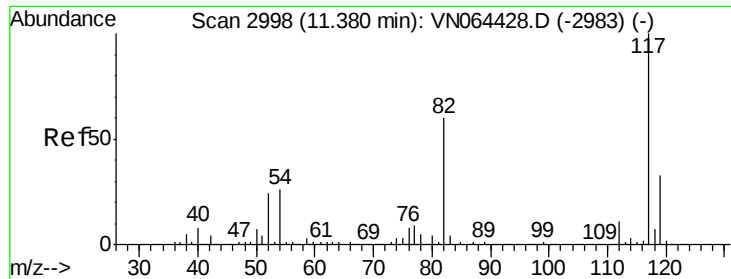
Tot Ion:107 Resp: 71998
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 46.539 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion: 95 Resp: 234905
 Ion Ratio Lower Upper
 95 100
 174 68.4 0.0 132.6
 176 67.5 0.0 129.2

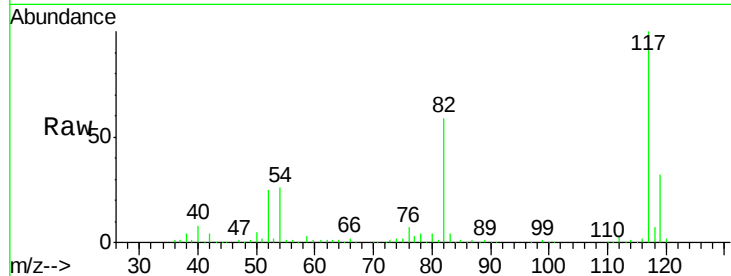




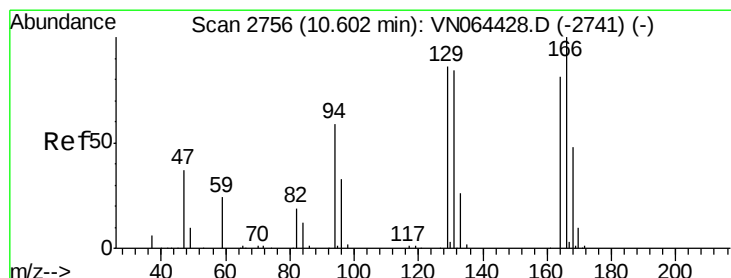
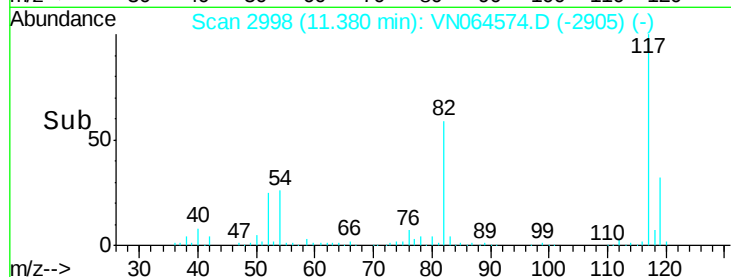
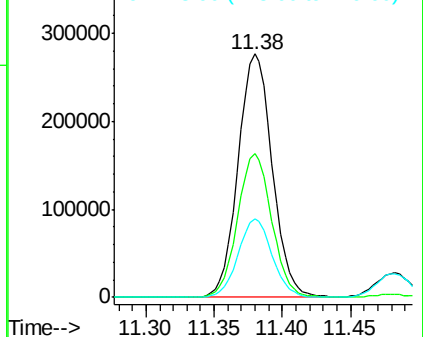
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion:117 Resp: 481283
Ion Ratio Lower Upper
117 100
82 58.9 48.1 72.1
119 32.1 26.2 39.4

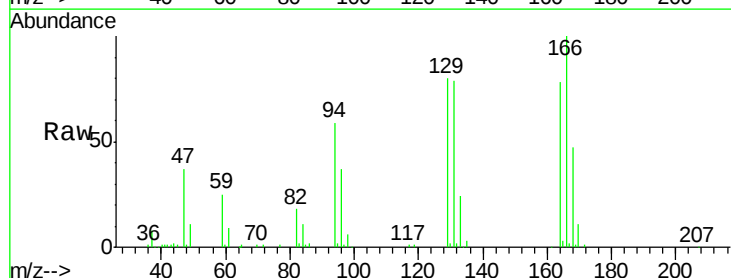


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

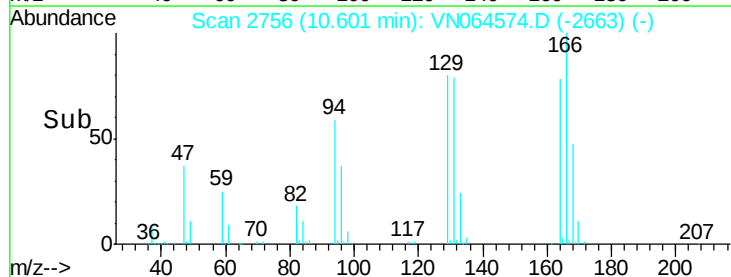
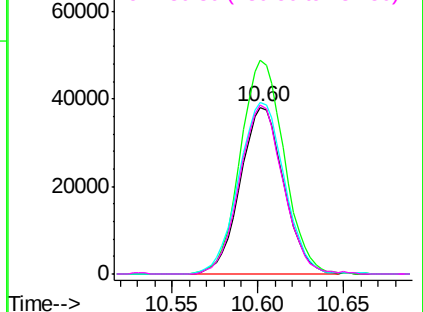


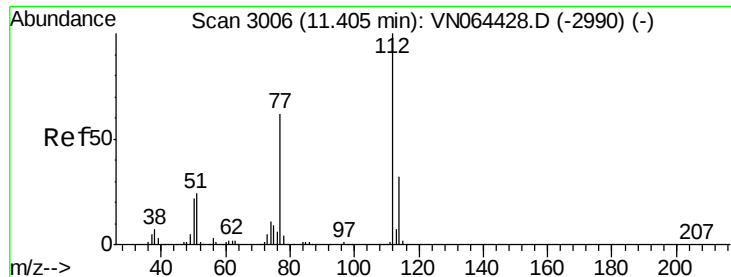
#64
Tetrachloroethene
Concen: 18.021 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion:164 Resp: 66808
Ion Ratio Lower Upper
164 100
166 128.3 98.2 147.2
129 102.9 84.6 127.0
131 101.4 82.2 123.2



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: 17.728 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

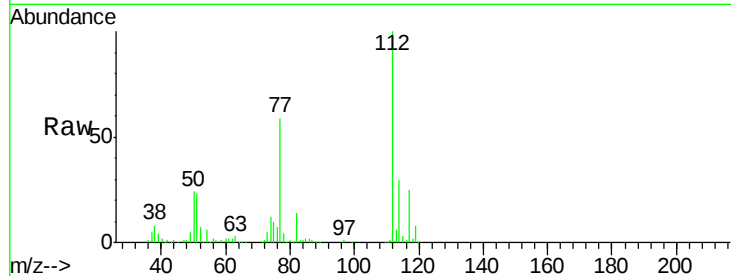
VN1112WBS01

Tot Ion:112 Resp: 187042

Ion Ratio Lower Upper

112 100

114 30.0 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.41

120000

100000

80000

60000

40000

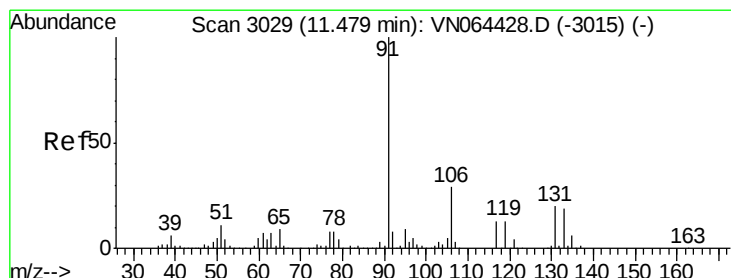
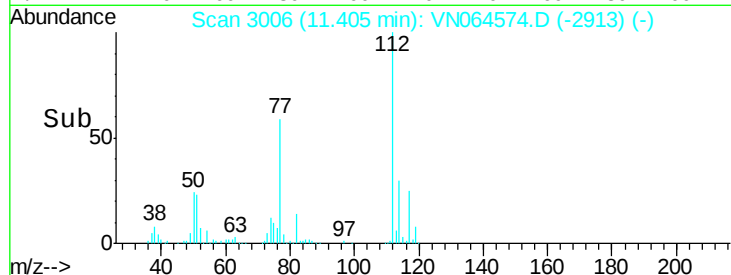
20000

0

11.40

11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.800 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

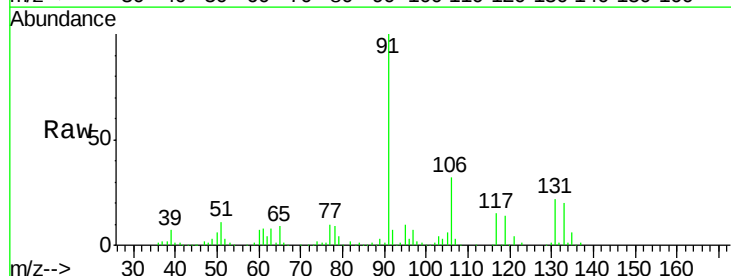
Tgt Ion:131 Resp: 73997

Ion Ratio Lower Upper

131 100

133 94.3 46.9 140.7

119 64.6 32.1 96.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.48

120000

100000

80000

60000

40000

20000

0

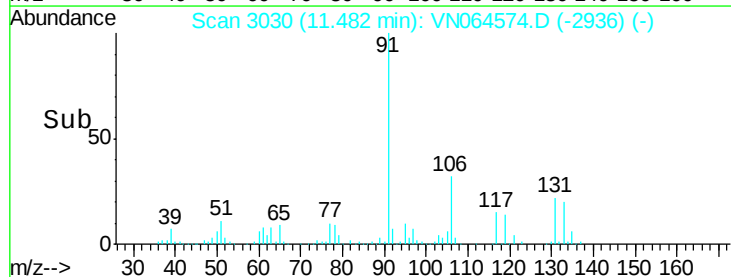
11.40

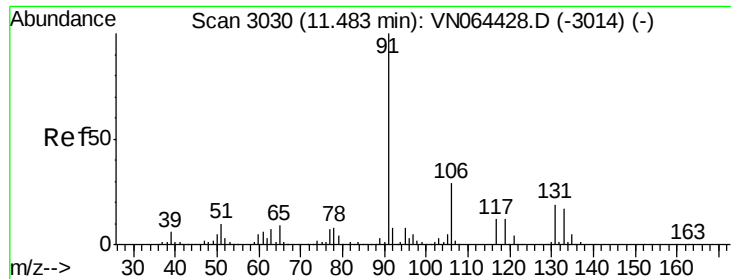
11.45

11.50

11.55

Time-->

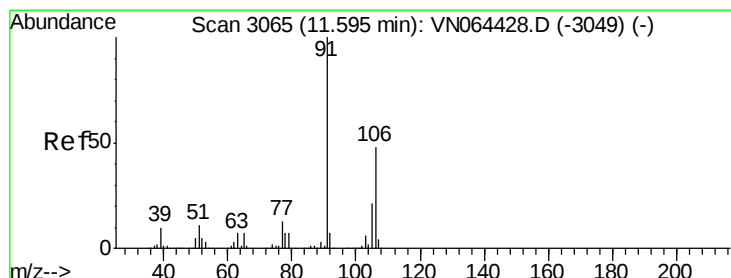
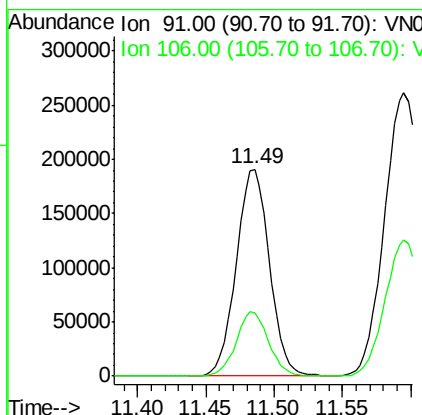
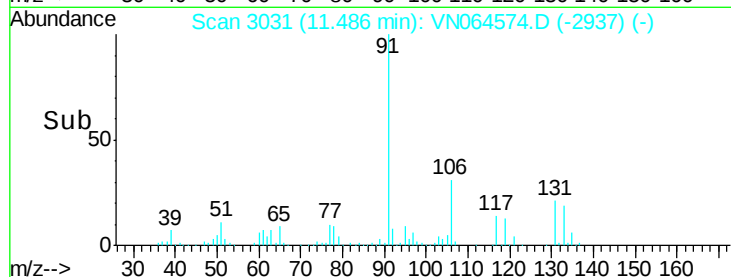
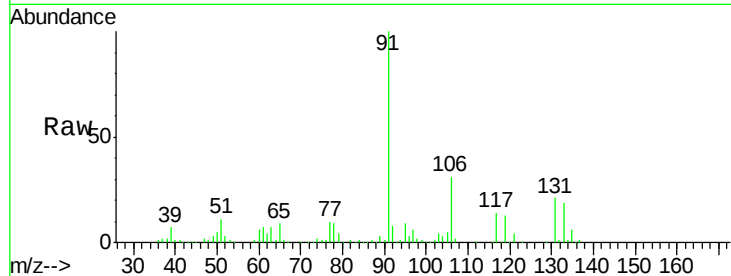




#67
Ethyl Benzene
Concen: 17.214 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

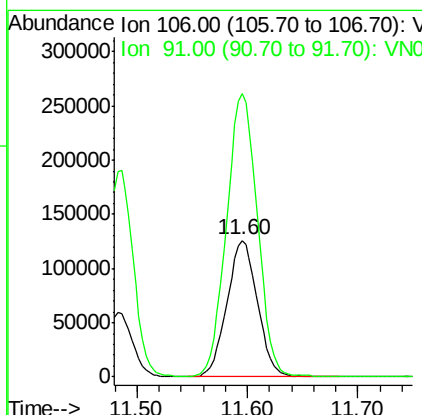
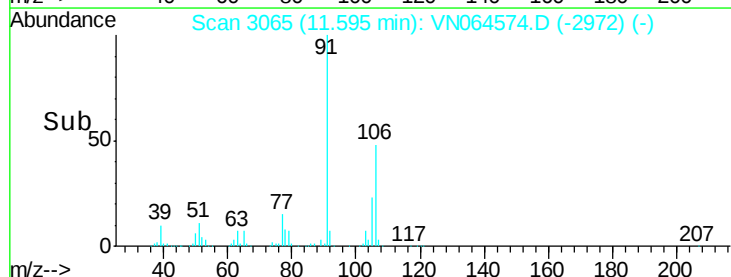
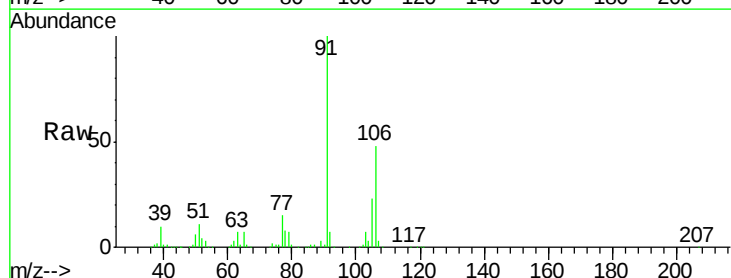
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

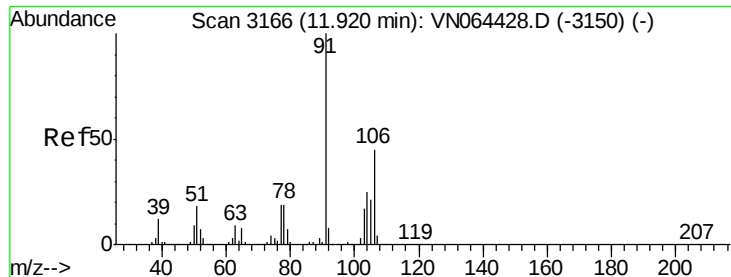
Tot Ion: 91 Resp: 323060
Ion Ratio Lower Upper
91 100
106 30.7 23.6 35.4



#68
m/p-Xylenes
Concen: 35.301 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion: 106 Resp: 240262
Ion Ratio Lower Upper
106 100
91 211.7 169.4 254.2

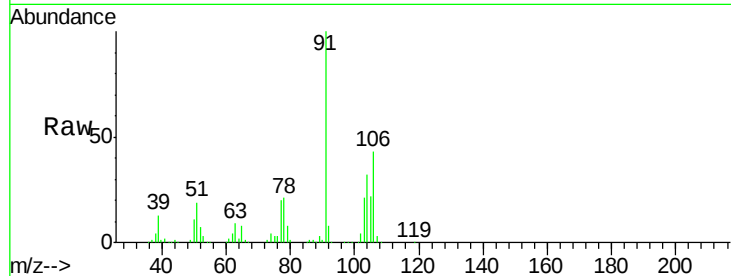




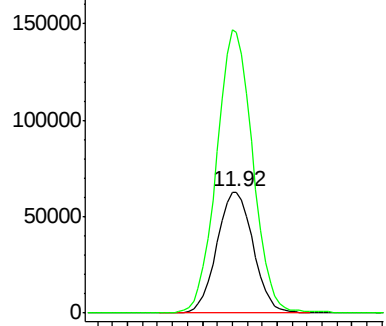
#69
o-Xylene
Concen: 16.209 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

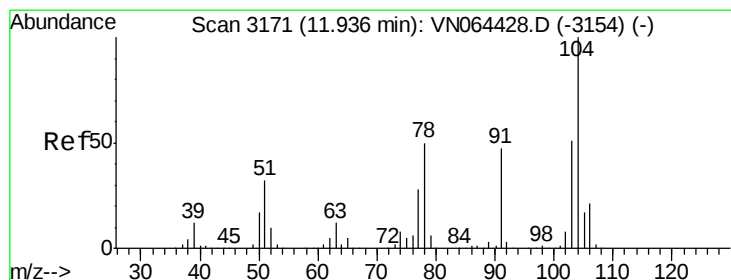
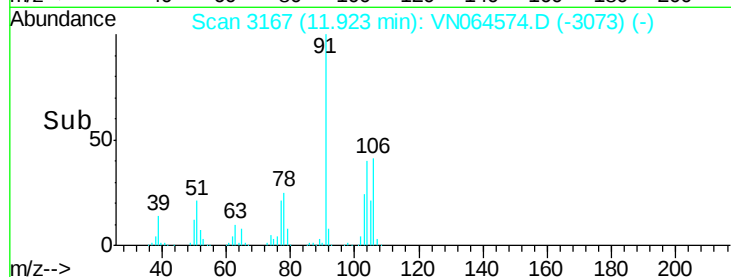
Tot Ion:106 Resp: 106605
Ion Ratio Lower Upper
106 100
91 232.4 111.7 334.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

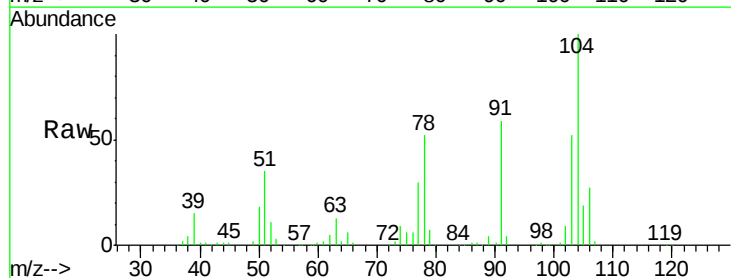


Time-->

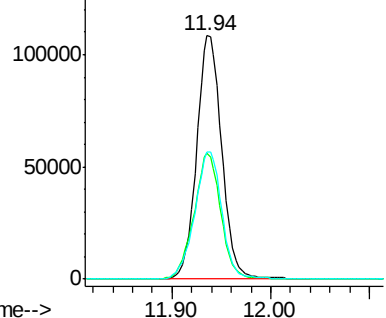


#70
Styrene
Concen: 17.504 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

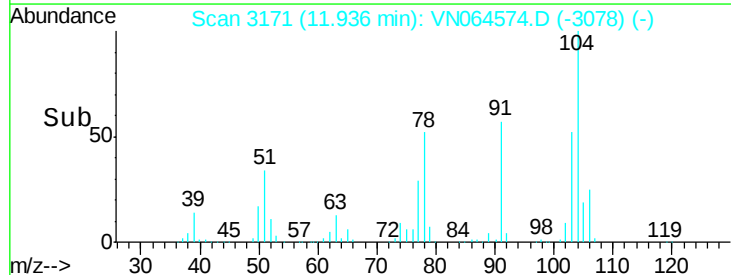
Tgt Ion:104 Resp: 193722
Ion Ratio Lower Upper
104 100
78 55.0 44.0 66.0
103 56.4 43.8 65.6

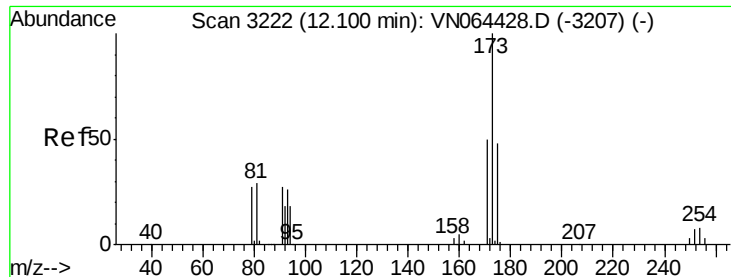


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 17.880 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

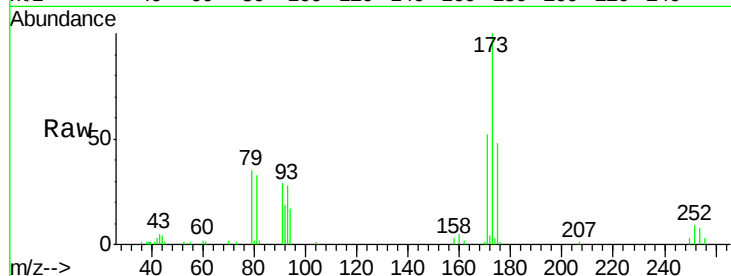
Tot Ion:173 Resp: 50361

Ion Ratio Lower Upper

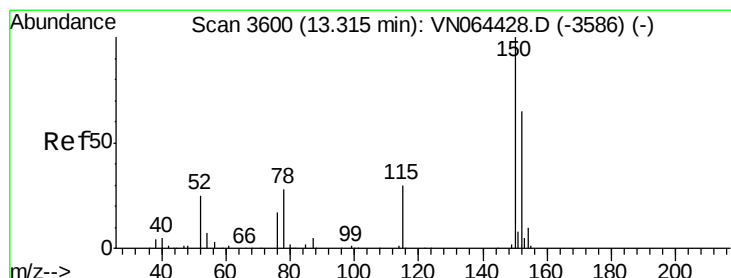
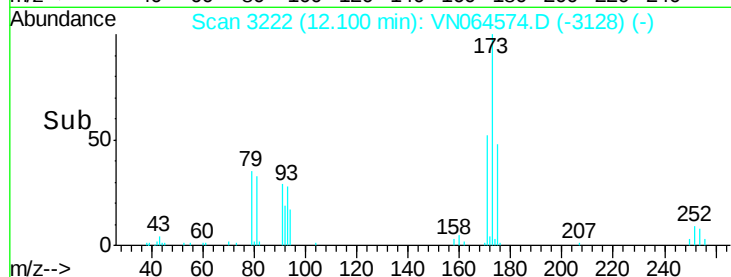
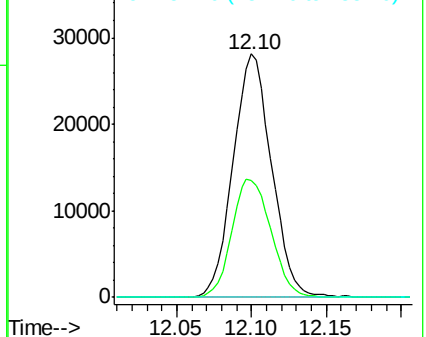
173 100

175 49.2 23.7 71.1

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# 3601

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

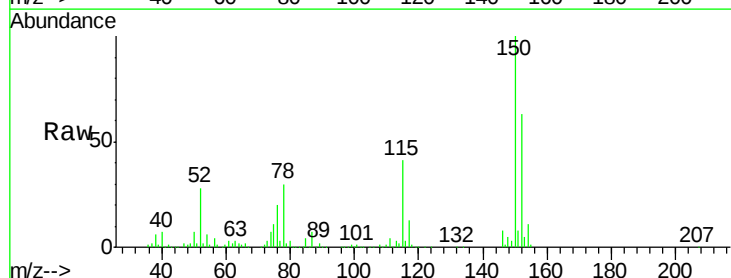
Tgt Ion:152 Resp: 213443

Ion Ratio Lower Upper

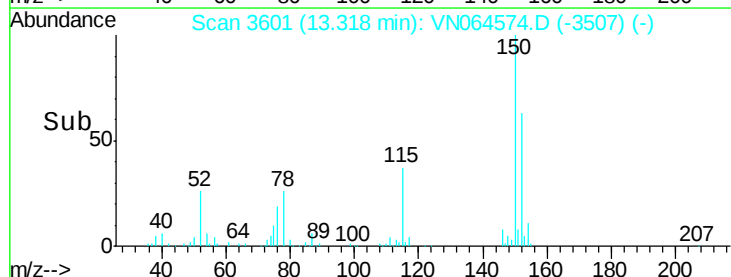
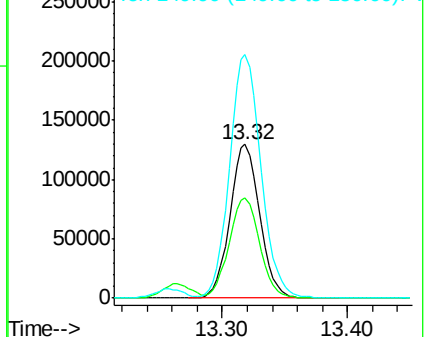
152 100

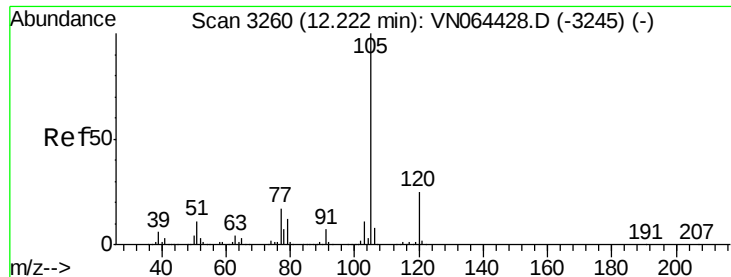
115 65.9 32.0 96.0

150 166.5 0.0 353.8



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: 17.122 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

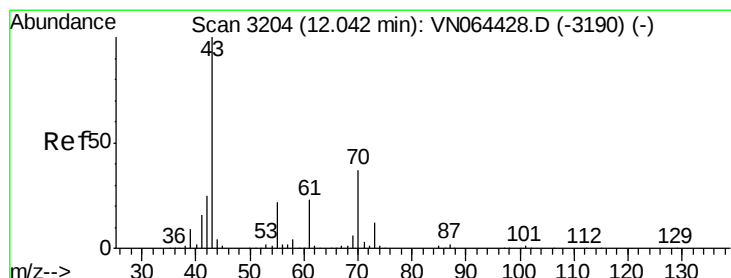
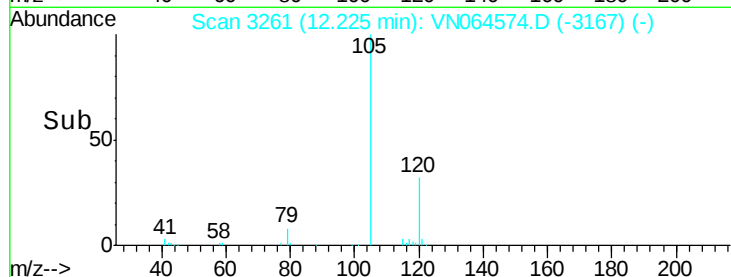
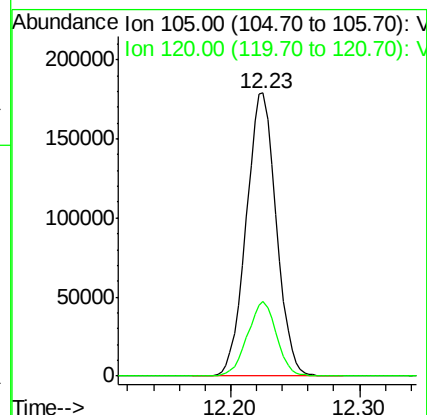
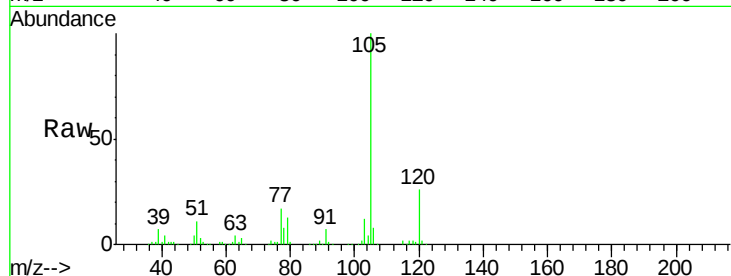
VN1112WBS01

Tot Ion:105 Resp: 290469

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



#74

N-ethyl acetate

Concen: 15.751 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Tgt Ion: 43 Resp: 122583

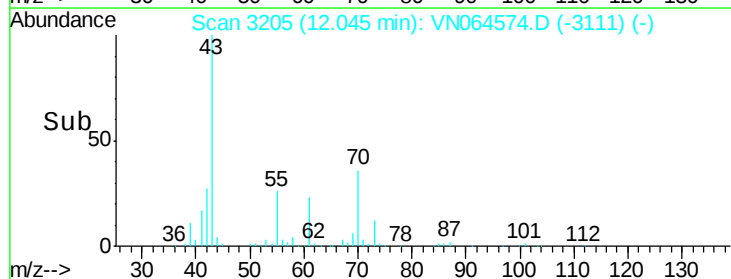
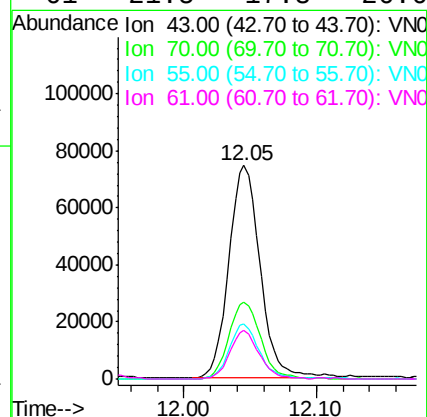
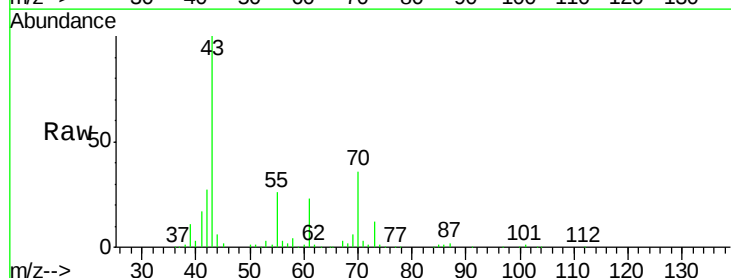
Ion Ratio Lower Upper

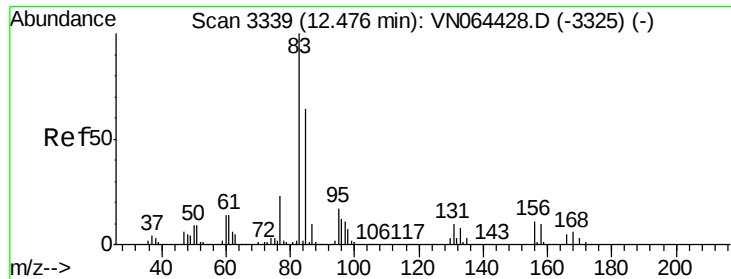
43 100

70 36.4 29.6 44.4

55 24.8 18.4 27.6

61 21.5 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.762 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

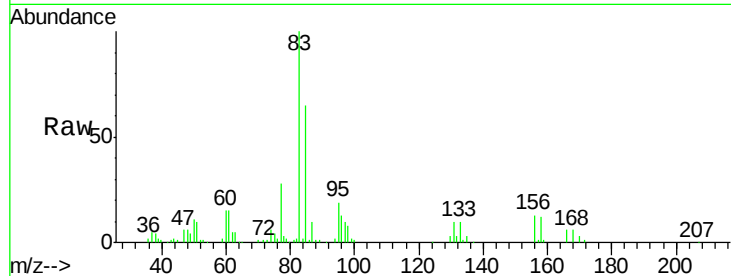
Tot Ion: 83 Resp: 97764

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.7

85 64.7 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN064428.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064428.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064428.D (-3325) (-)

12.48

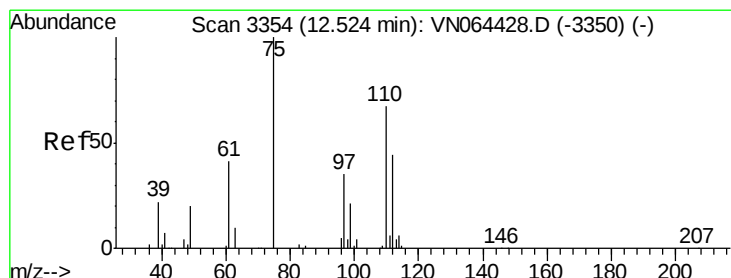
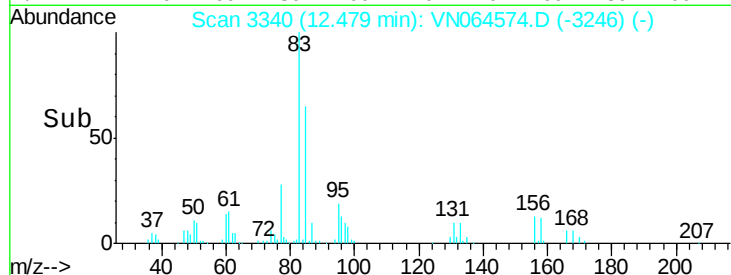
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 26.272 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064574.D

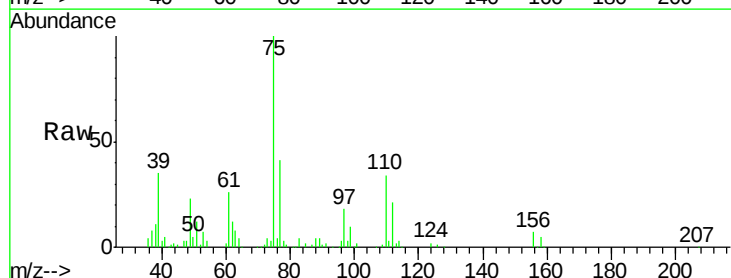
Acq: 12 Nov 2020 12:18

Tgt Ion: 75 Resp: 135866

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN064428.D (-3350) (-)

12.53

80000

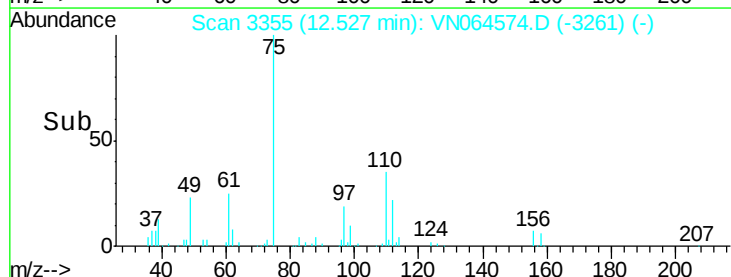
60000

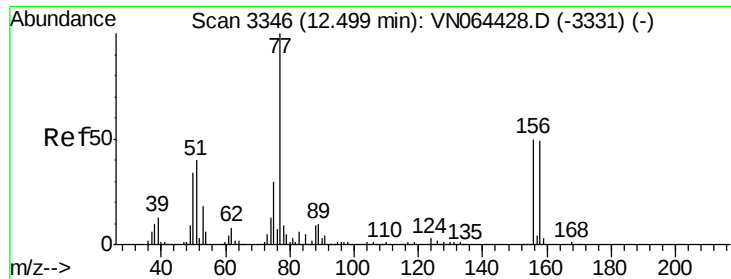
40000

20000

0

Time--> 12.40 12.50 12.60

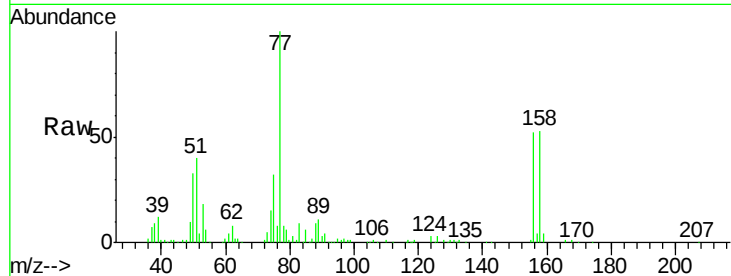




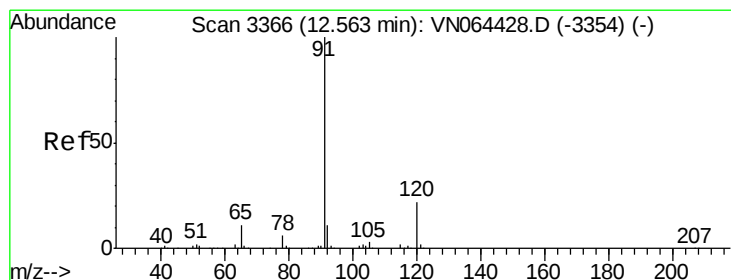
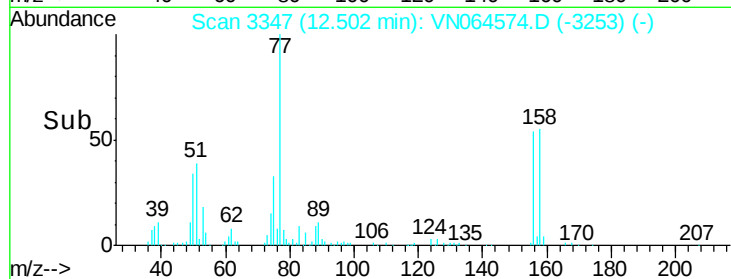
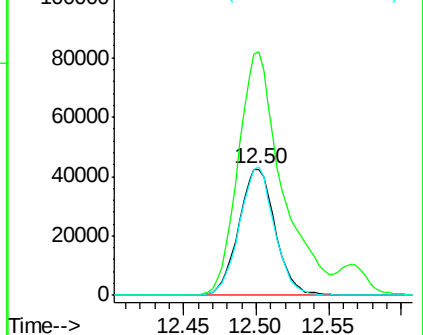
#77
Bromobenzene
Concen: 18.042 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampled :
VN1112WBS01

Tot Ion:156 Resp: 74728
Ion Ratio Lower Upper
156 100
77 231.9 119.0 357.0
158 96.9 48.4 145.3

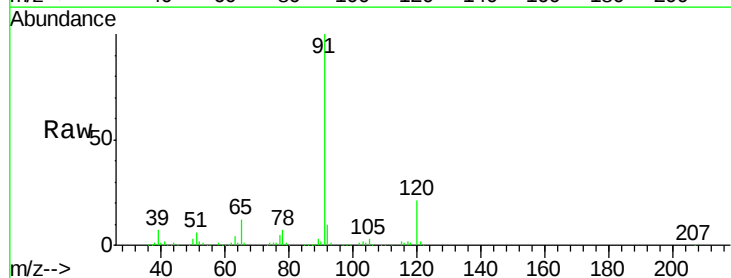


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN0
Ion 157.80 (157.50 to 158.50): V

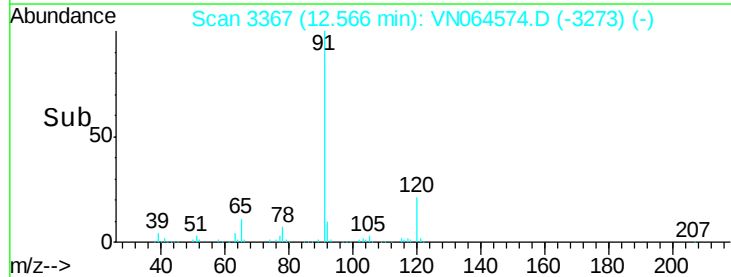
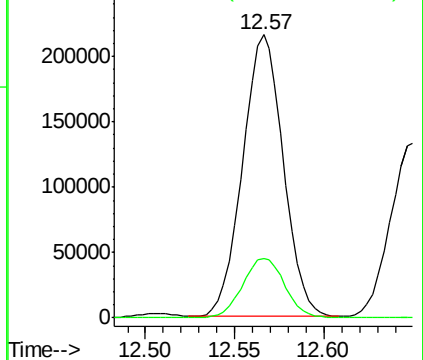


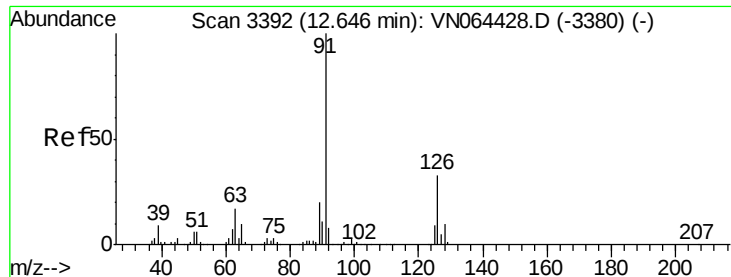
#78
n-propylbenzene
Concen: 17.779 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion: 91 Resp: 343872
Ion Ratio Lower Upper
91 100
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.678 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

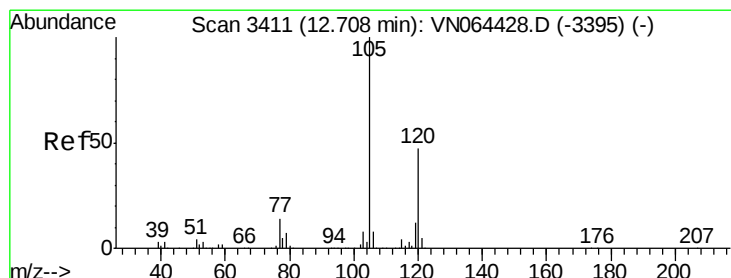
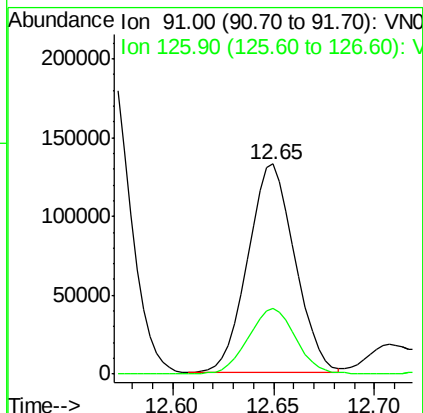
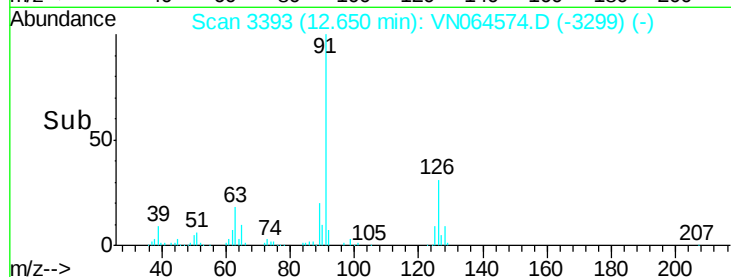
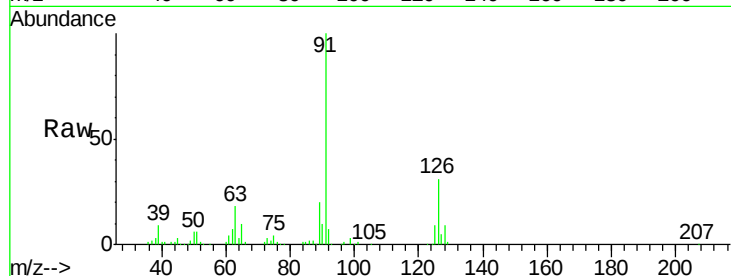
VN1112WBS01

Tot Ion: 91 Resp: 216856

Ion Ratio Lower Upper

91 100

126 32.0 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 17.744 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064574.D

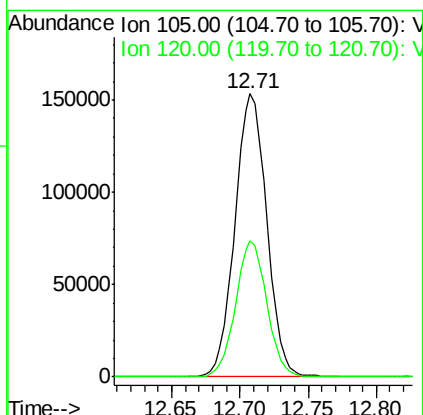
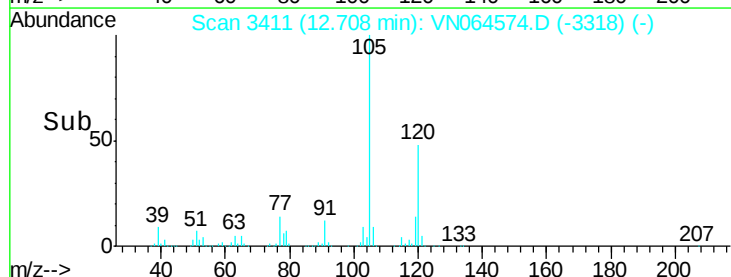
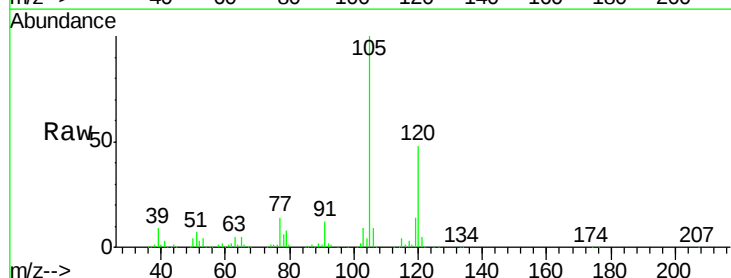
Acq: 12 Nov 2020 12:18

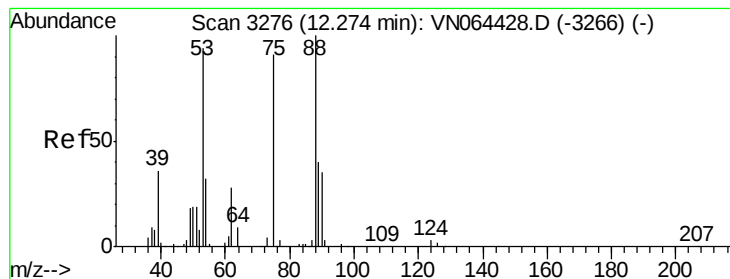
Tgt Ion: 105 Resp: 248346

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.109 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampled :

VN1112WBS01

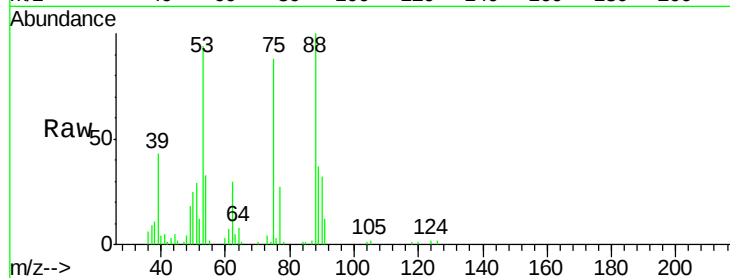
Tot Ion: 75 Resp: 31690

Ion Ratio Lower Upper

75 100

53 116.0 84.0 126.0

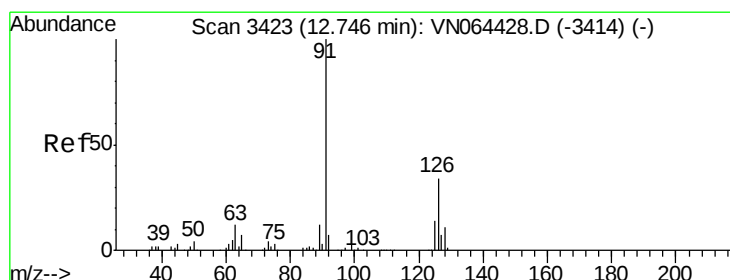
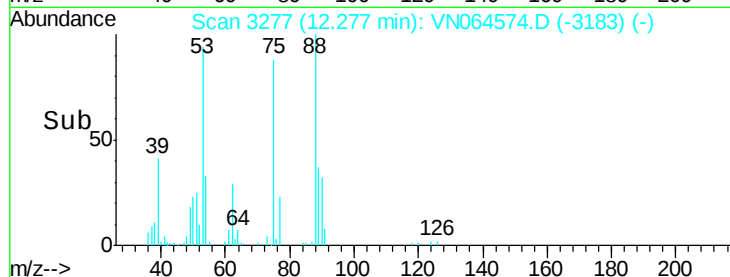
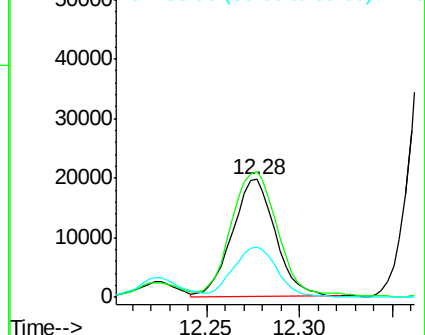
89 44.8 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 17.887 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064574.D

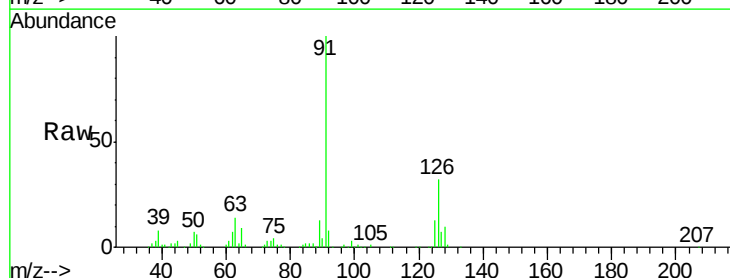
Acq: 12 Nov 2020 12:18

Tgt Ion: 91 Resp: 229793

Ion Ratio Lower Upper

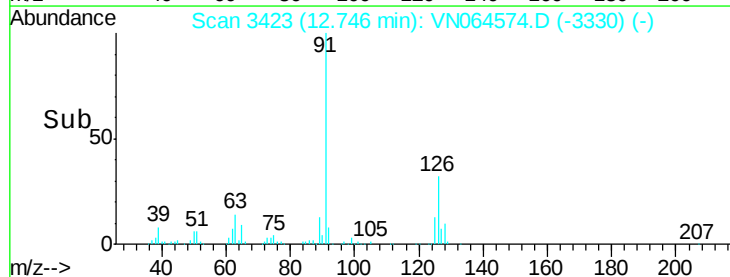
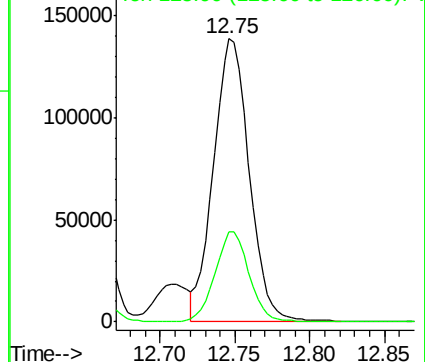
91 100

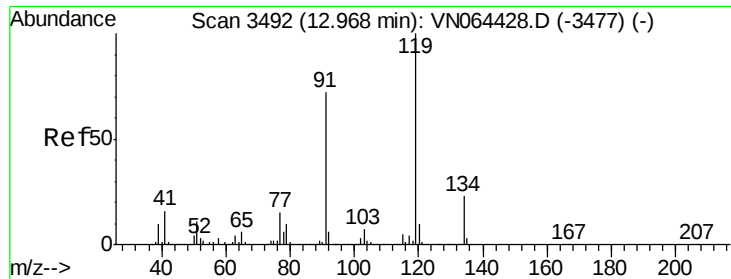
126 30.6 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

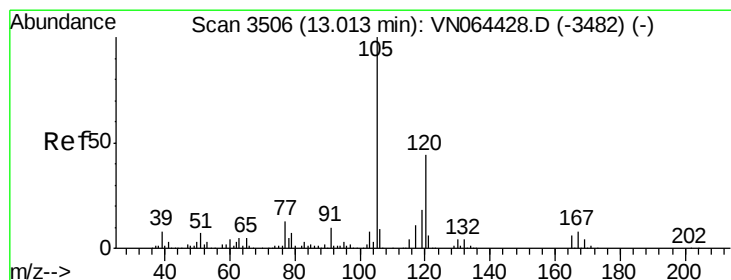
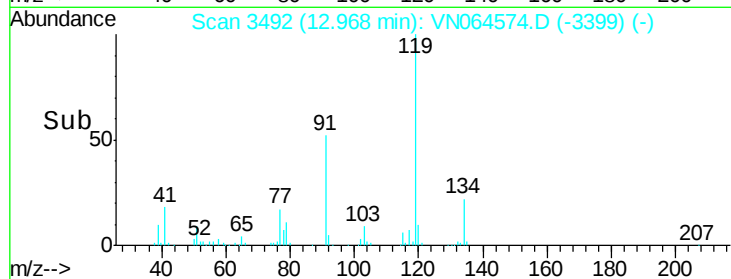
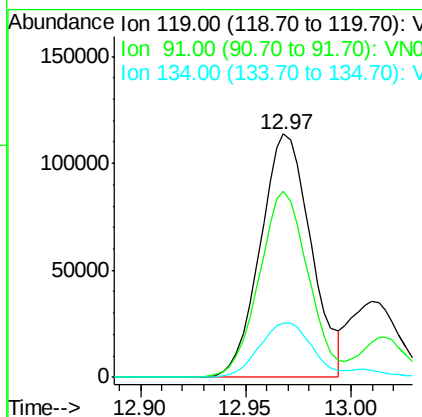
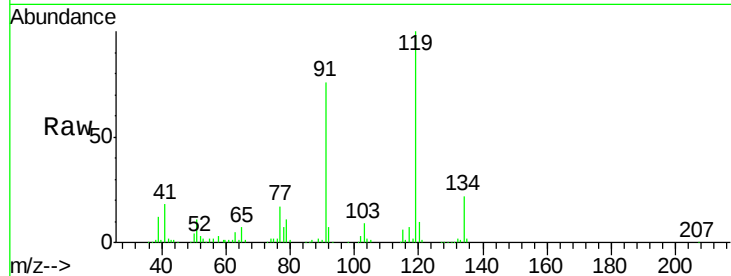




#83
 tert-Butylbenzene
 Concen: 17.389 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

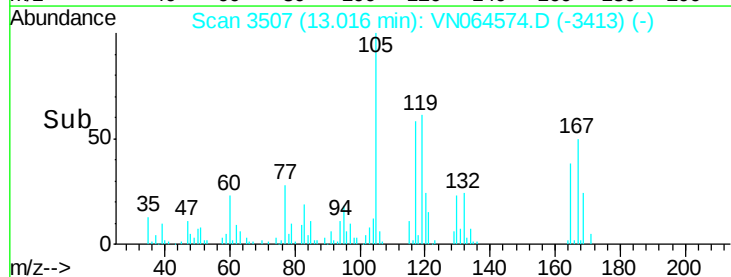
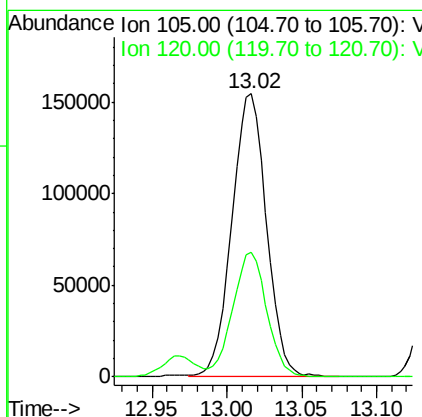
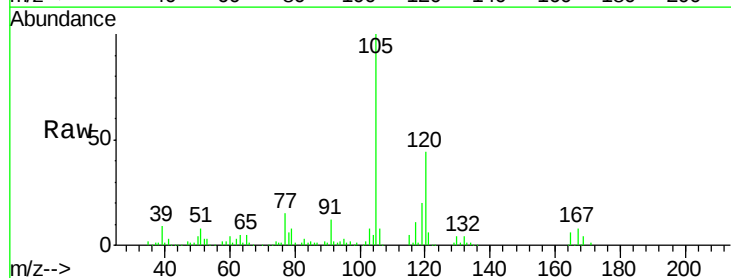
Instrument :
 MSVOA_N
 ClientSampled :
 VN1112WBS01

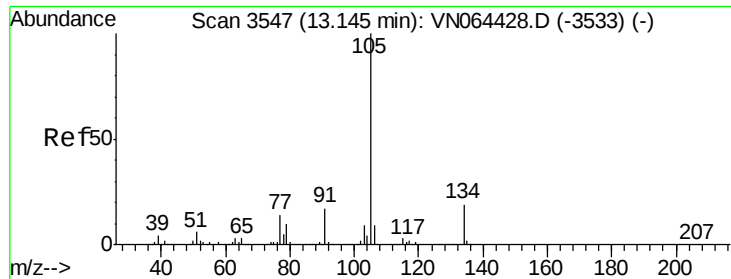
Tot Ion:119 Resp: 190072
 Ion Ratio Lower Upper
 119 100
 91 74.5 36.1 108.3
 134 23.2 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 17.517 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion:105 Resp: 246458
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.7





#85

sec-Butylbenzene

Concen: 18.129 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

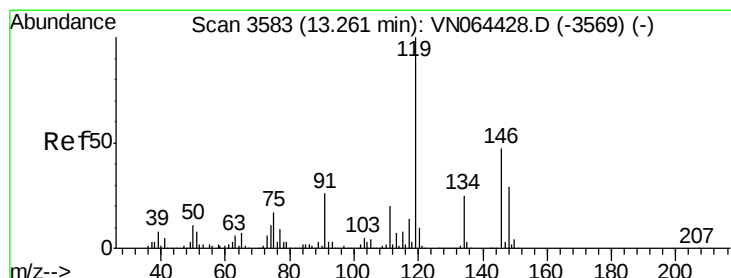
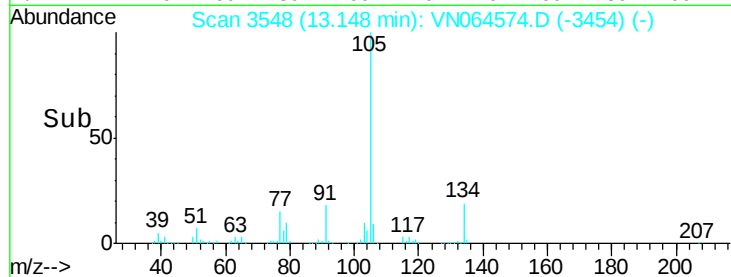
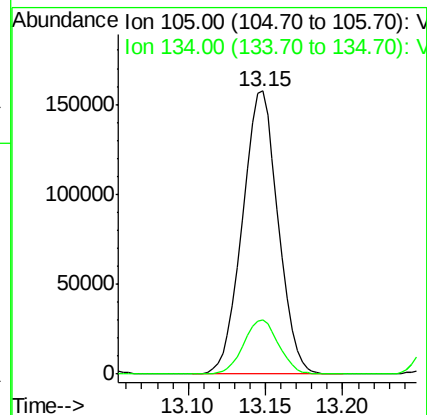
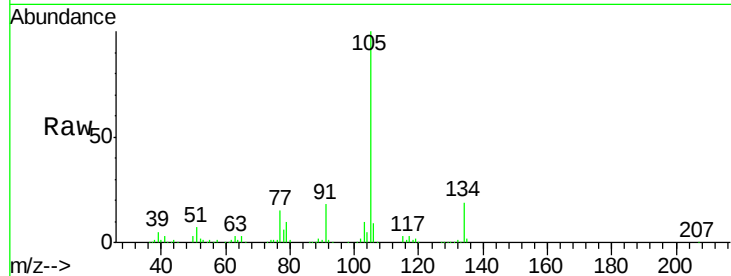
VN1112WBS01

Tot Ion:105 Resp: 250969

Ion Ratio Lower Upper

105 100

134 18.9 9.4 28.2



#86

p-Isopropyltoluene

Concen: 17.919 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

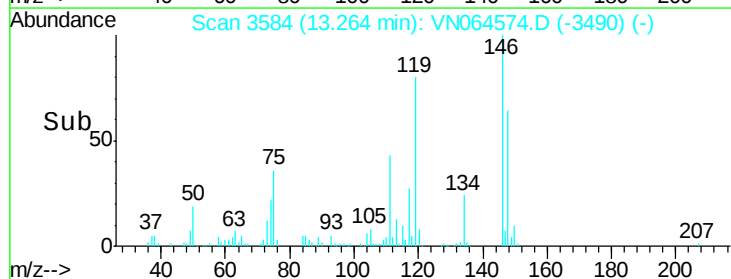
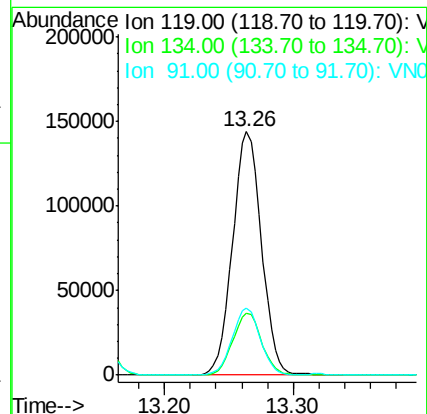
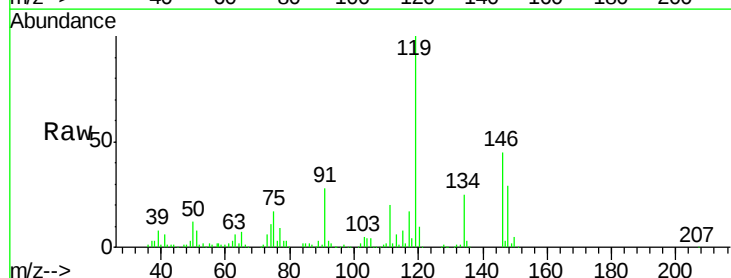
Tgt Ion:119 Resp: 223129

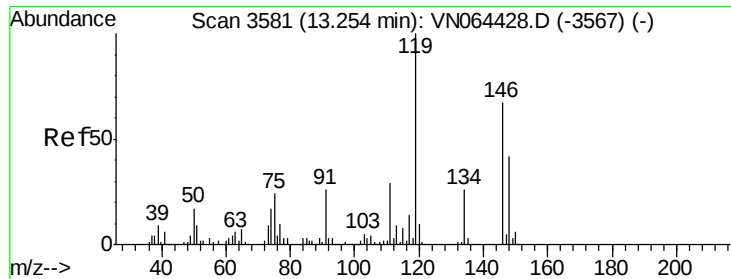
Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.6

91 26.5 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 17.916 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

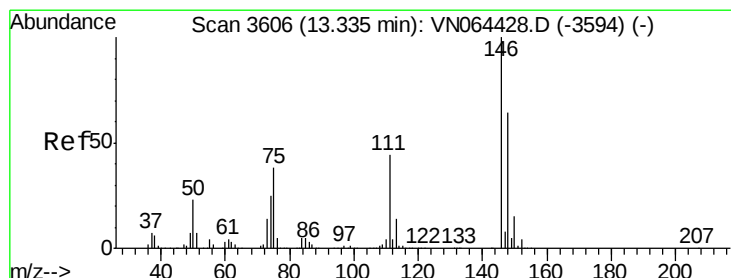
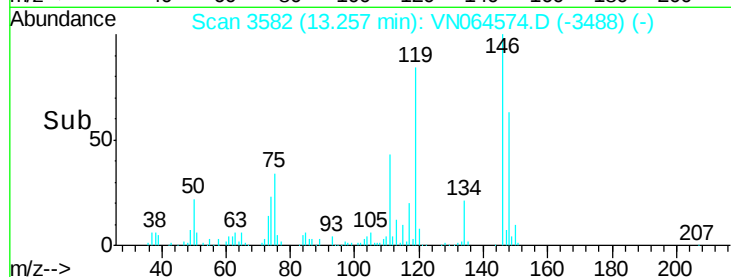
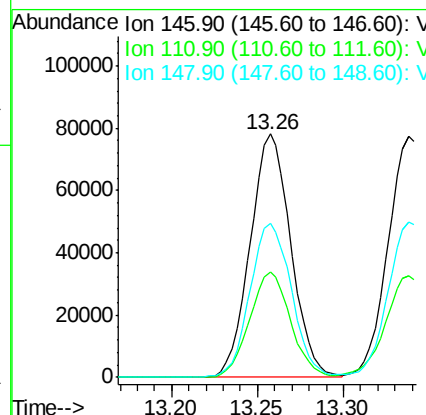
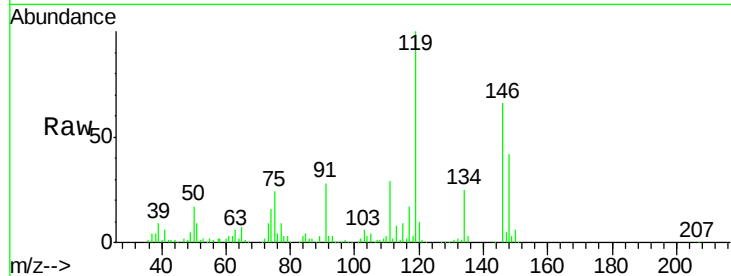
Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampled :
VN1112WBS01

Tot Ion:146 Resp: 128275

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.1	66.1
148	64.6	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 17.893 ug/l

RT: 13.34 min Scan# 3607

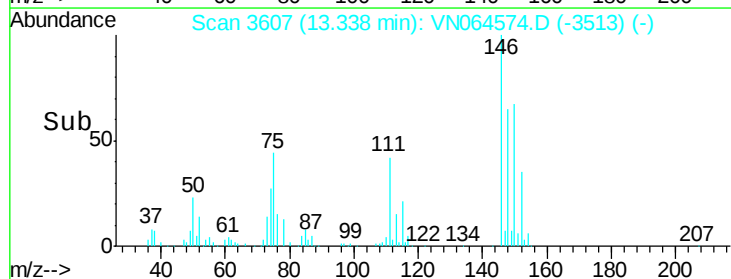
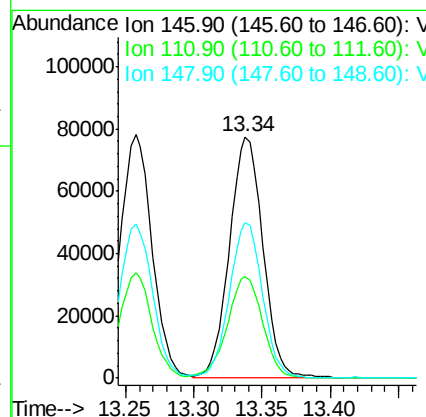
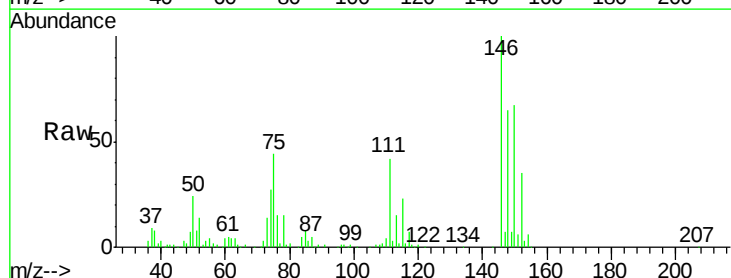
Delta R.T. 0.00 min

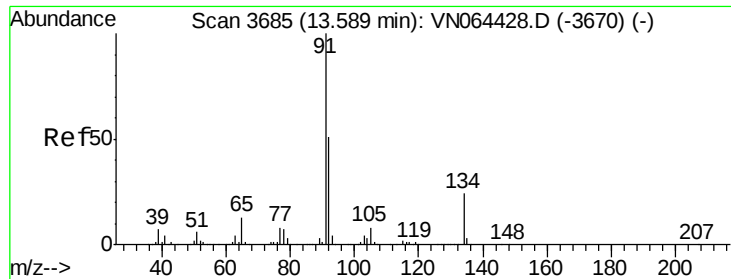
Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Tgt Ion:146 Resp: 132394

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.8	65.3
148	63.8	32.4	97.2





#89

n-Butylbenzene

Concen: 17.535 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

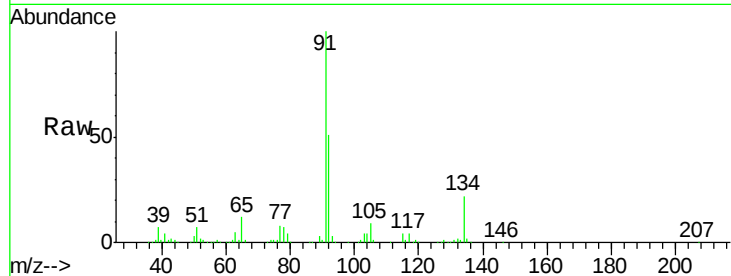
Tot Ion: 91 Resp: 187739

Ion Ratio Lower Upper

91 100

92 49.3 25.3 75.9

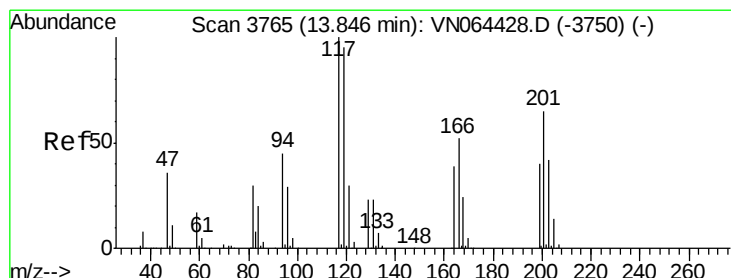
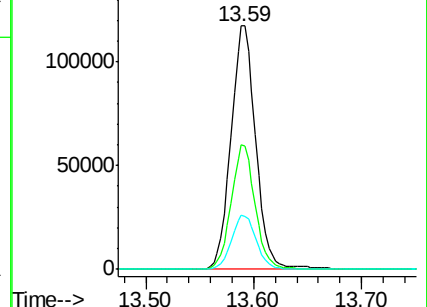
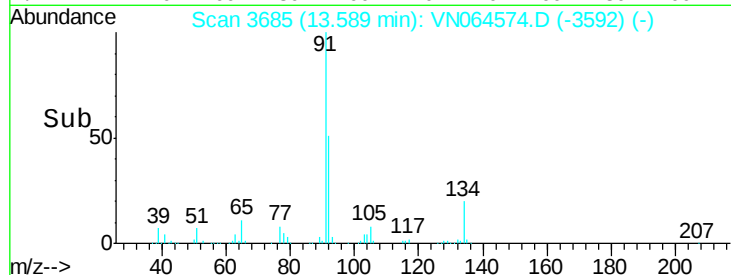
134 22.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN064428.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN064428.D (-3670) (-)



#90

Hexachloroethane

Concen: 19.622 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064574.D

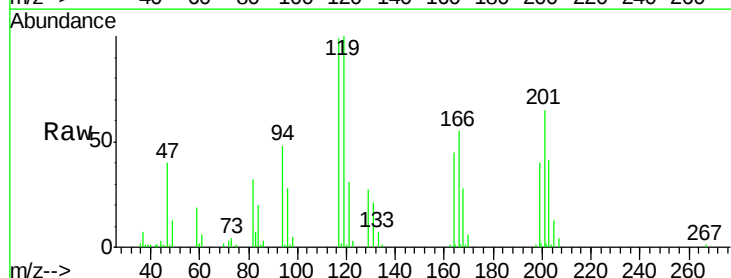
Acq: 12 Nov 2020 12:18

Tgt Ion: 117 Resp: 47133

Ion Ratio Lower Upper

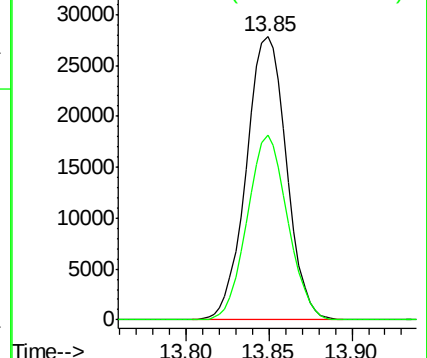
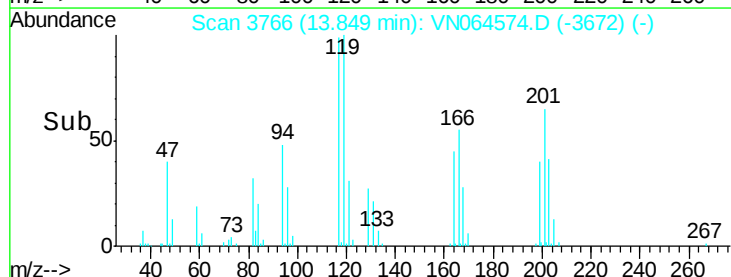
117 100

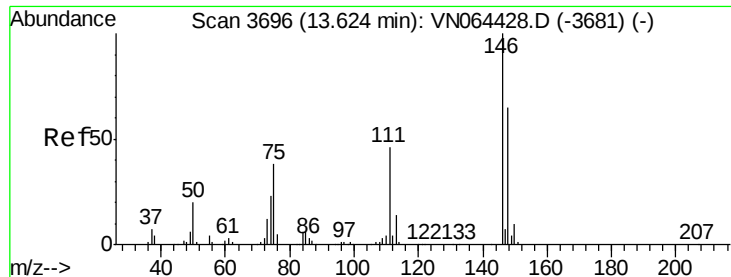
201 65.1 32.5 97.5



Abundance Ion 116.80 (116.50 to 117.50): VN064428.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN064428.D (-3750) (-)

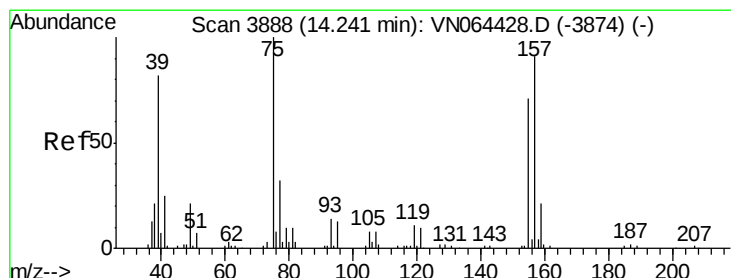
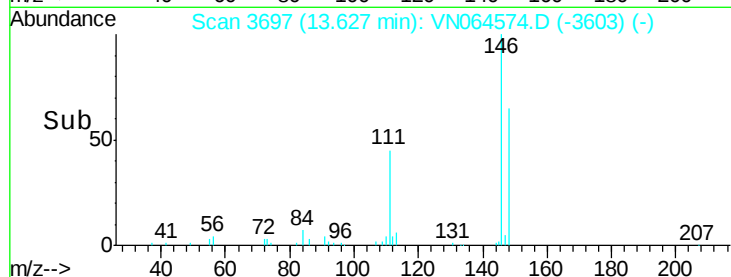
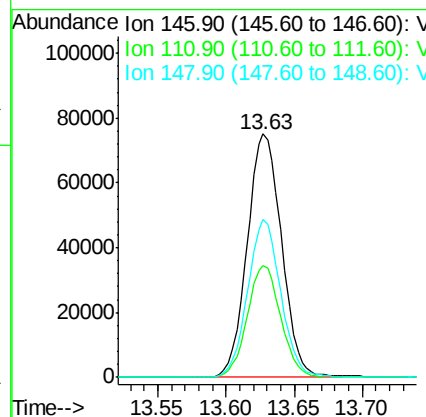
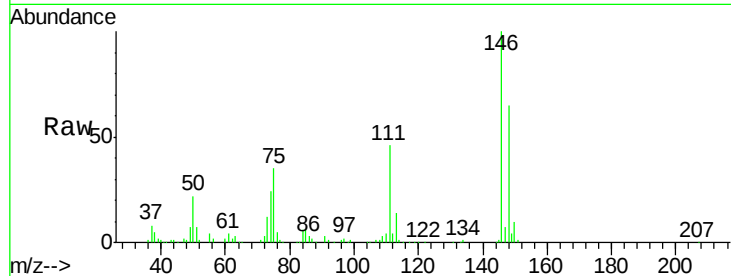




#91
 1,2-Dichlorobenzene
 Concen: 19.080 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

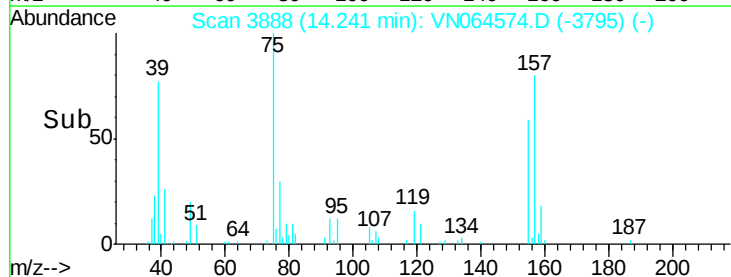
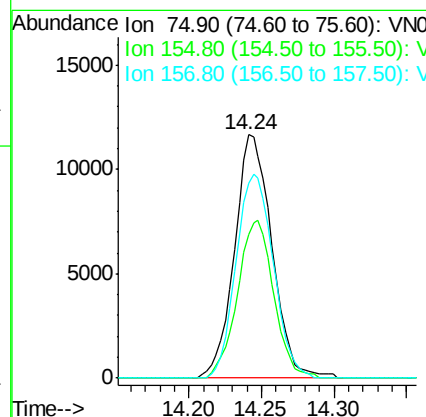
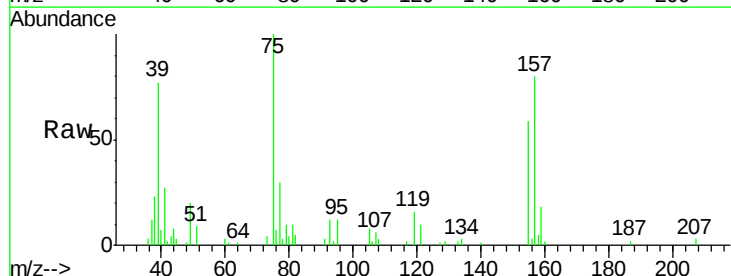
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

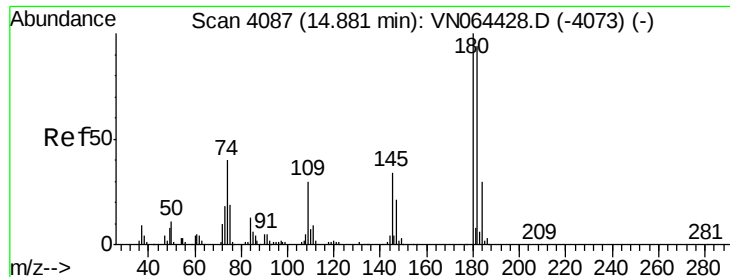
Tot Ion:146 Resp: 131408
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.9 68.7
 148 62.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.133 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion: 75 Resp: 20887
 Ion Ratio Lower Upper
 75 100
 155 62.6 34.6 103.9
 157 83.5 43.0 128.8

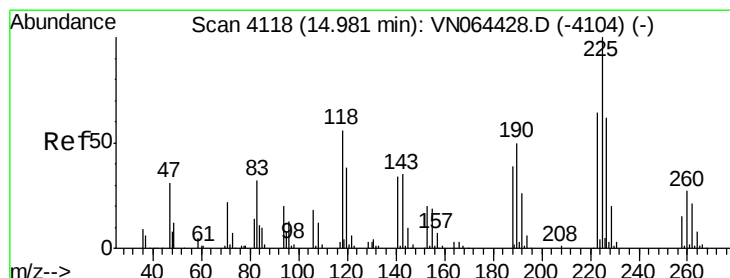
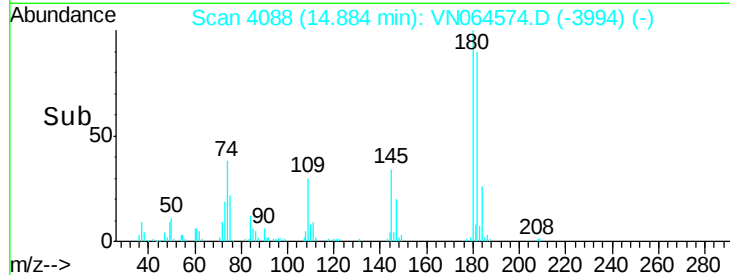
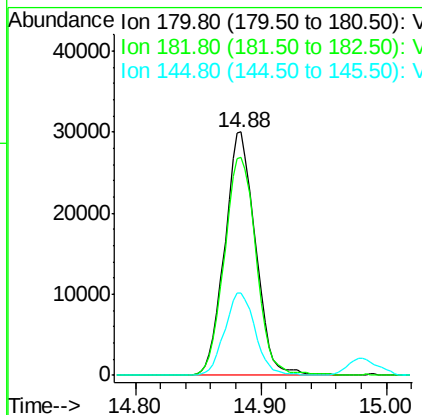
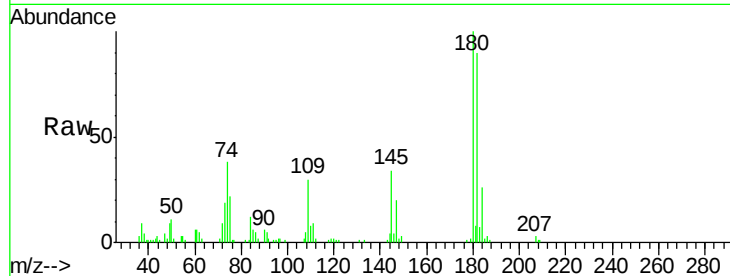




#93
 1,2,4-Trichlorobenzene
 Concen: 16.759 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

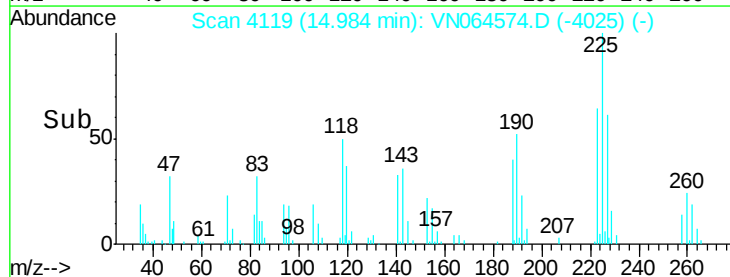
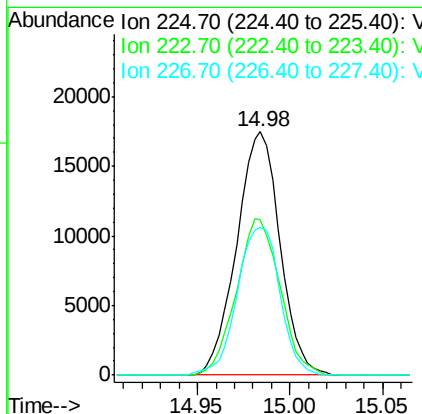
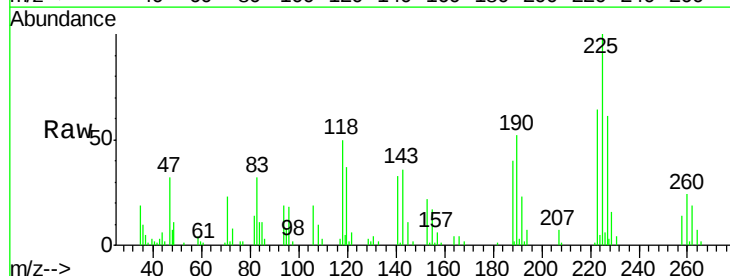
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

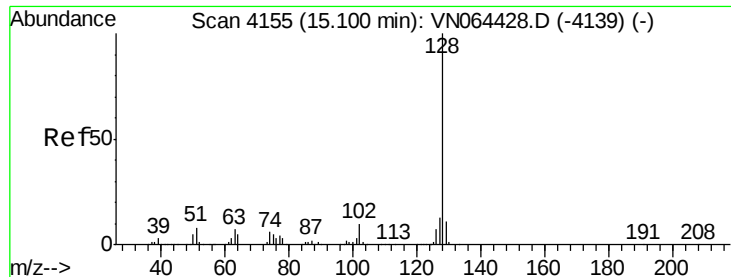
Tot Ion:180 Resp: 50993
 Ion Ratio Lower Upper
 180 100
 182 92.0 47.3 142.0
 145 33.4 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 20.221 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion:225 Resp: 28354
 Ion Ratio Lower Upper
 225 100
 223 64.7 31.8 95.4
 227 59.7 31.8 95.4

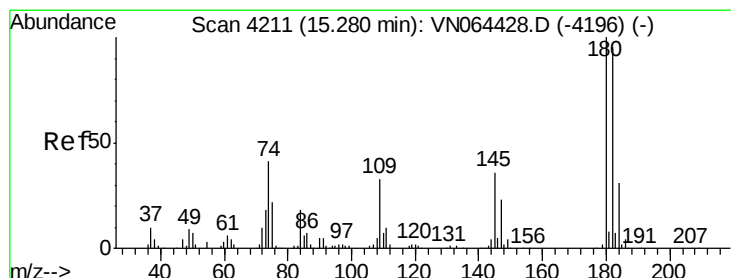
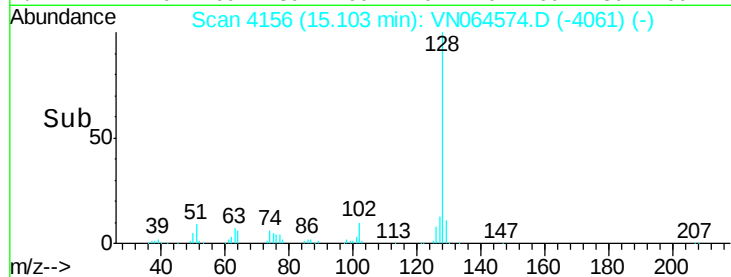
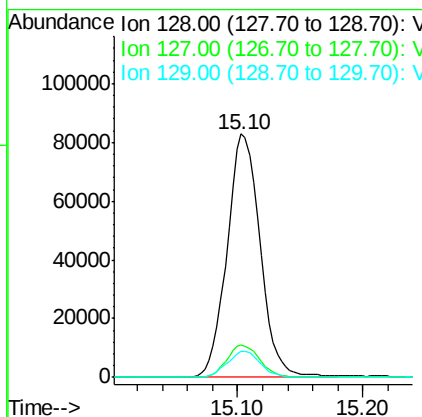
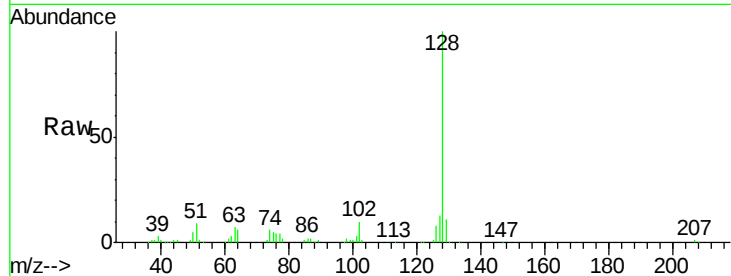




#95
Naphthalene
Concen: 15.682 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampled :
VN1112WBS01

Tot Ion:128 Resp: 152203
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.652 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion:180 Resp: 52190
Ion Ratio Lower Upper
180 100
182 93.0 47.7 143.1
145 35.1 18.3 54.8

