

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\
 Data File : VN064684.D
 Acq On : 17 Nov 2020 16:43
 Operator : JC/MD
 Sample : L4772-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4MS

Quant Time: Nov 18 01:43:28 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	7.62	168	290254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	507183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	501099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	271539	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	239602	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
35) Dibromofluoromethane	7.55	113	173742	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
50) Toluene-d8	10.06	98	645698	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	12.37	95	258221	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	173572	45.938	ug/l	98
3) Chloromethane	2.04	50	186992	40.745	ug/l	99
4) Vinyl Chloride	2.17	62	211762	44.933	ug/l	95
5) Bromomethane	2.53	94	140951	46.816	ug/l	98
6) Chloroethane	2.67	64	140162	46.452	ug/l	99
7) Trichlorofluoromethane	2.99	101	367873	53.010	ug/l	97
8) Diethyl Ether	3.37	74	120202	49.049	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	157483	47.788	ug/l	99
10) Methyl Iodide	3.91	142	183079	47.811	ug/l	98
11) Tert butyl alcohol	4.75	59	158674	284.593	ug/l	99
12) 1,1-Dichloroethene	3.70	96	144748	46.630	ug/l	95
13) Acrolein	3.57	56	81322	235.144	ug/l	97
14) Allyl chloride	4.28	41	266997	43.969	ug/l	96
15) Acrylonitrile	4.94	53	389707	251.055	ug/l	99
16) Acetone	3.78	43	369309	191.765	ug/l	99
17) Carbon Disulfide	4.01	76	399815	43.069	ug/l	99
18) Methyl Acetate	4.28	43	186974	49.384	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	544120	48.703	ug/l	98
20) Methylene Chloride	4.50	84	174527	45.676	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	166414	47.215	ug/l	99
22) Diisopropyl ether	5.91	45	596668	46.289	ug/l	98
23) Vinyl Acetate	5.85	43	2471315	235.674	ug/l	98
24) 1,1-Dichloroethane	5.80	63	331604	46.815	ug/l	99
25) 2-Butanone	6.79	43	562840	229.376	ug/l	96
26) 2,2-Dichloropropane	6.78	77	307866	48.014	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	236211	57.837	ug/l	95
28) Bromochloromethane	7.15	49	155775	44.742	ug/l	99
29) Tetrahydrofuran	7.17	42	367211	243.920	ug/l	96
30) Chloroform	7.33	83	362772	48.723	ug/l	98
31) Cyclohexane	7.61	56	261139	42.490	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	325551	49.298	ug/l	98
36) 1,1-Dichloropropene	7.75	75	260017	48.529	ug/l	99
37) Ethyl Acetate	6.88	43	237570	43.783	ug/l	99
38) Carbon Tetrachloride	7.73	117	288002	50.294	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	257802	53.674	ug/l	97
40) Benzene	8.00	78	737341	46.831	ug/l	99
41) Methacrylonitrile	7.13	41	120296	50.641	ug/l	90
42) 1,2-Dichloroethane	8.08	62	309414	48.697	ug/l	99
43) Isopropyl Acetate	8.13	43	425638	49.019	ug/l	98
44) Trichloroethene	8.80	130	191389	48.180	ug/l	99
45) 1,2-Dichloropropane	9.08	63	203566	48.456	ug/l	99
46) Dibromomethane	9.17	93	143534	51.902	ug/l	98
47) Bromodichloromethane	9.37	83	302234	50.827	ug/l	98
48) Methyl methacrylate	9.17	41	217819	49.713	ug/l	99
49) 1,4-Dioxane	9.17	88	62762	1087.521	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1358529	268.285	ug/l	100
52) Toluene	10.12	92	476121	49.581	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	321300	50.966	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	325185	48.245	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	199718	53.328	ug/l	98
56) Ethyl methacrylate	10.40	69	288895	47.000	ug/l	98
57) 1,3-Dichloropropane	10.68	76	329811	50.454	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.67	63	99	21.569	ug/l #	51
59) 2-Hexanone	10.72	43	1008901	244.425	ug/l	99
60) Dibromochloromethane	10.87	129	224405	53.519	ug/l	99
61) 1,2-Dibromoethane	10.98	107	199614	52.548	ug/l	99
64) Tetrachloroethene	10.60	164	175651	45.506	ug/l	96
65) Chlorobenzene	11.41	112	520620	47.393	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	204583	49.921	ug/l	99
67) Ethyl Benzene	11.48	91	2931004	150.002	ug/l	98
68) m/p-Xylenes	11.60	106	1199603	169.284	ug/l	99
69) o-Xylene	11.92	106	400308	58.459	ug/l	99
70) Styrene	11.94	104	601993	52.244	ug/l	98
71) Bromoform	12.10	173	147676	48.042	ug/l #	99
73) Isopropylbenzene	12.22	105	3448702	159.790	ug/l	99
74) N-amyl acetate	12.04	43	484307	46.358	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.48	83	294525	44.429	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	420620	63.932	ug/l #	100
77) Bromobenzene	12.50	156	223815	42.475	ug/l	95
78) n-propylbenzene	12.56	91	5260828	213.803	ug/l	95
79) 2-Chlorotoluene	12.65	91	948833	60.798	ug/l	86
80) 1,3,5-Trimethylbenzene	12.71	105	1698495	95.393	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	101303	42.992	ug/l	94
82) 4-Chlorotoluene	12.75	91	728300	44.561	ug/l	97
83) tert-Butylbenzene	12.97	119	995920	71.618	ug/l	100
84) 1,2,4-Trimethylbenzene	12.87	105	1117740	62.447	ug/l	78
85) sec-Butylbenzene	13.14	105	2377879	135.017	ug/l	86
86) p-Isopropyltoluene	13.26	119	1260614	79.577	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	441035	48.419	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	463745	49.266	ug/l	98
89) n-Butylbenzene	13.59	91	1550625	113.847	ug/l #	86
90) Hexachloroethane	13.86	117	369112	120.788	ug/l #	54
91) 1,2-Dichlorobenzene	13.63	146	443656	50.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	81130	61.469	ug/l	99

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

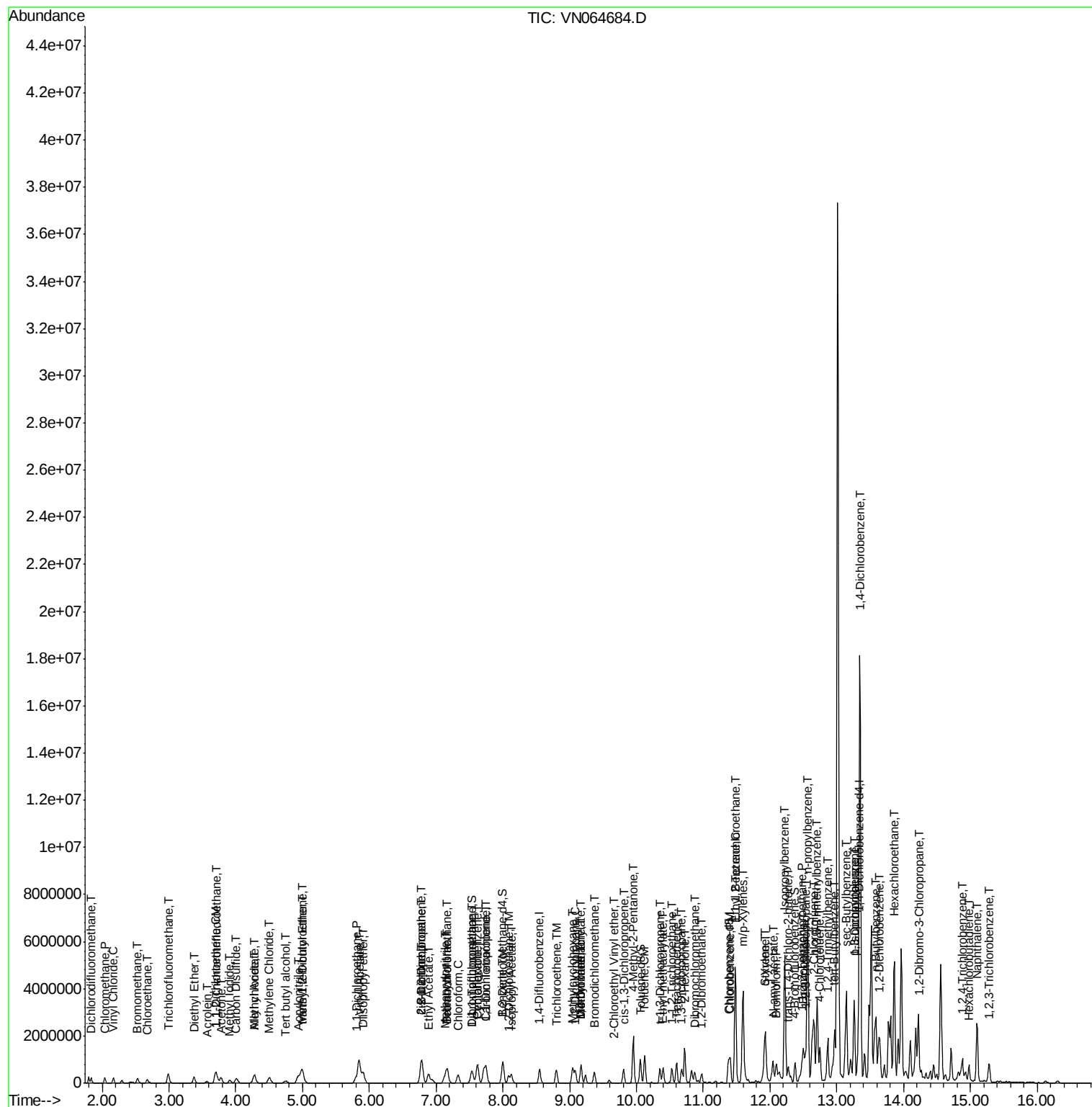
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	252223	57.466	ug/l #	86
94) Hexachlorobutadiene	14.98	225	112586	63.113	ug/l	99
95) Naphthalene	15.10	128	2081547	133.262	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	245614	57.807	ug/l	97

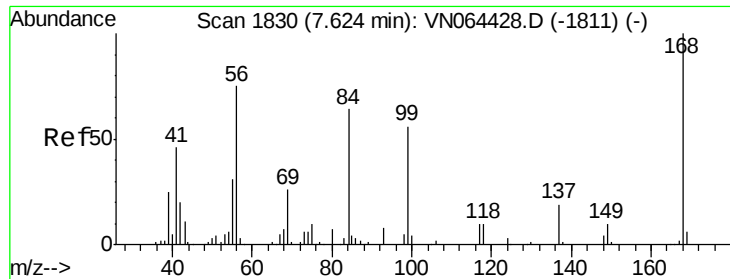
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

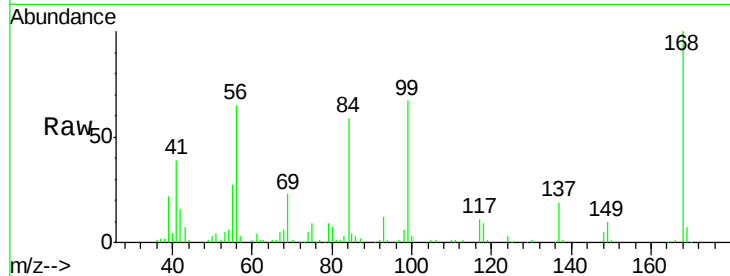
MW-4MS

Tot Ion:168 Resp: 290254

Ion Ratio Lower Upper

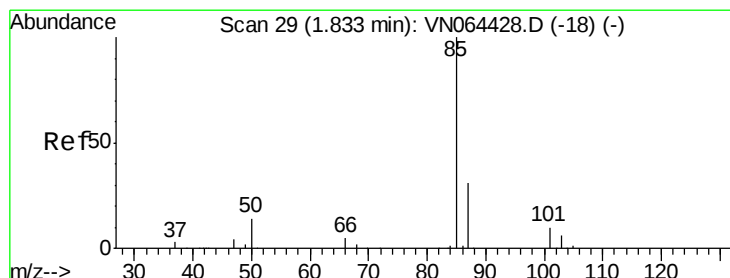
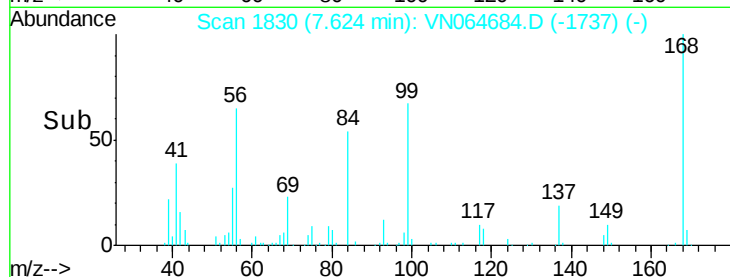
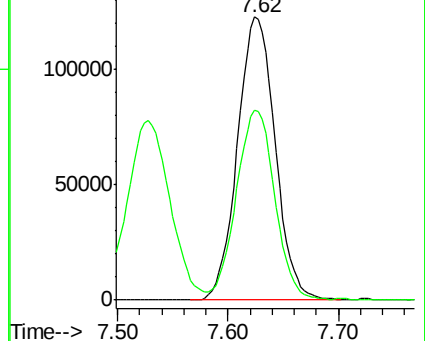
168 100

99 66.6 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.938 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064684.D

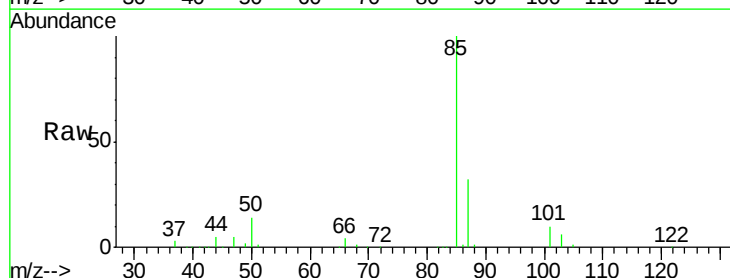
Acq: 17 Nov 2020 16:43

Tgt Ion: 85 Resp: 173572

Ion Ratio Lower Upper

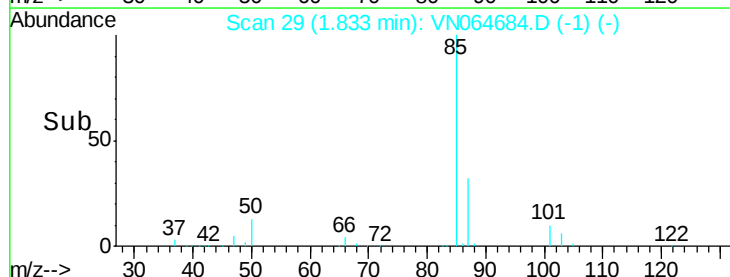
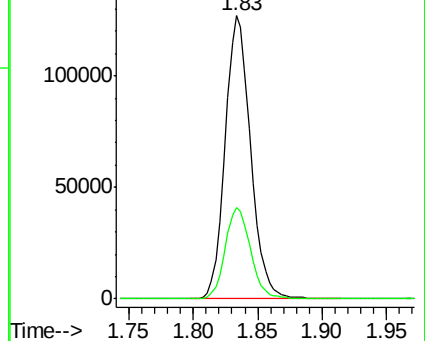
85 100

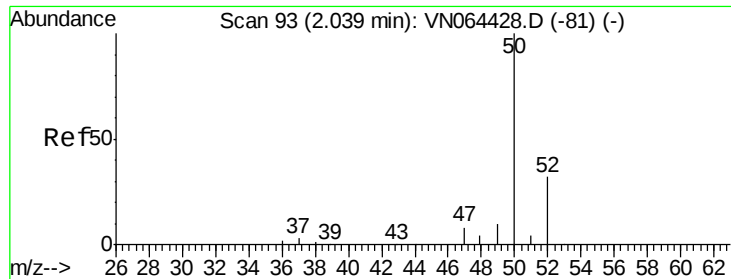
87 32.2 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 40.745 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

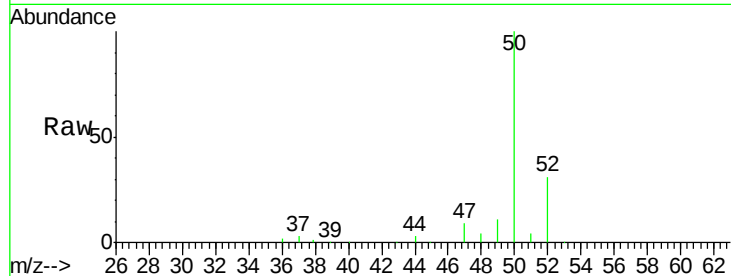
MW-4MS

Tot Ion: 50 Resp: 186992

Ion Ratio Lower Upper

50 100

52 31.2 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

150000

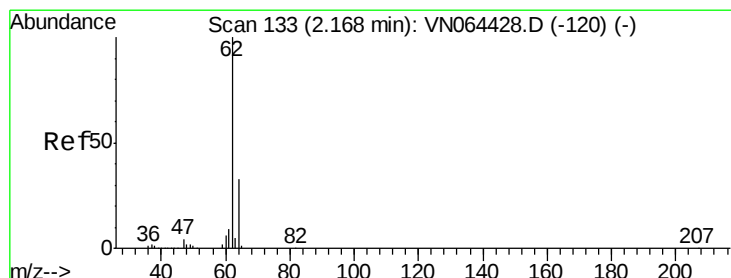
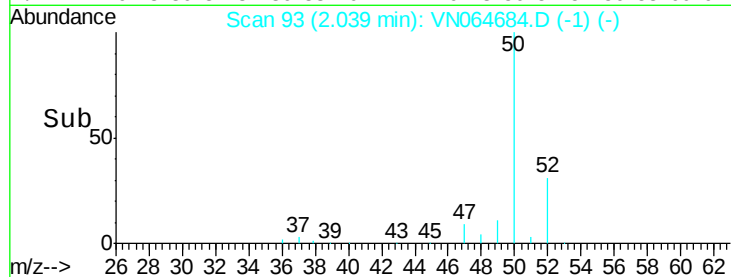
100000

50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 44.933 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064684.D

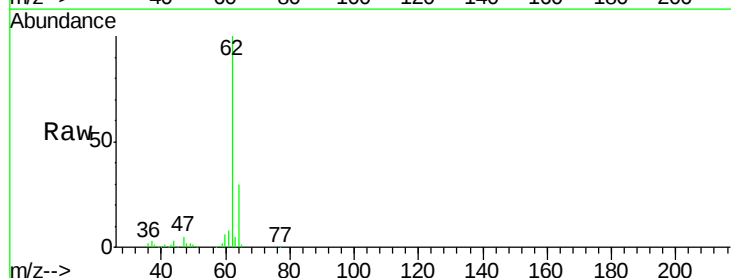
Acq: 17 Nov 2020 16:43

Tgt Ion: 62 Resp: 211762

Ion Ratio Lower Upper

62 100

64 30.1 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

150000

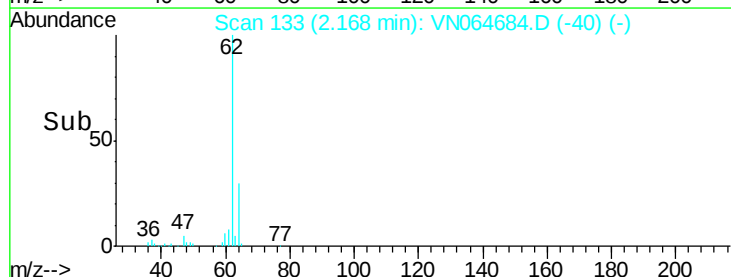
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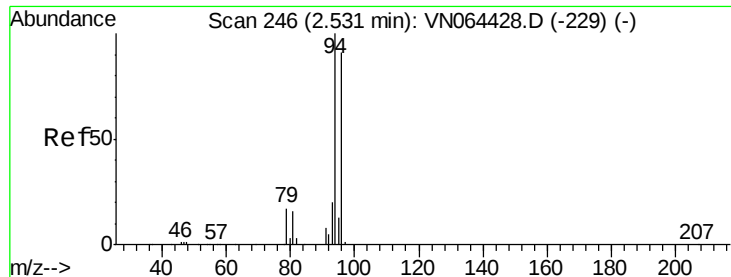
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 46.816 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

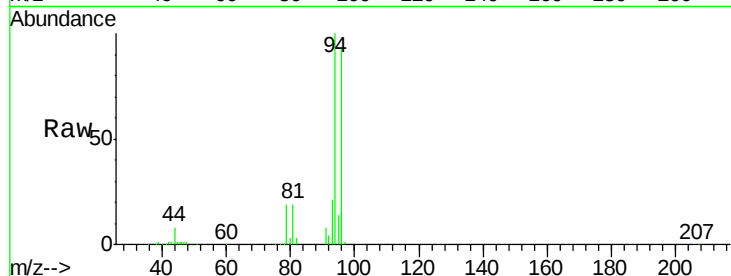
MW-4MS

Tot Ion: 94 Resp: 140951

Ion Ratio Lower Upper

94 100

96 93.3 73.1 109.7



Abundance Ion 93.90 (93.60 to 94.60): VN064684.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN064684.D (-153) (-)

2.53

60000

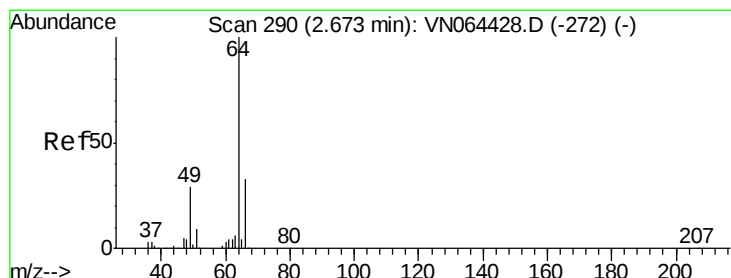
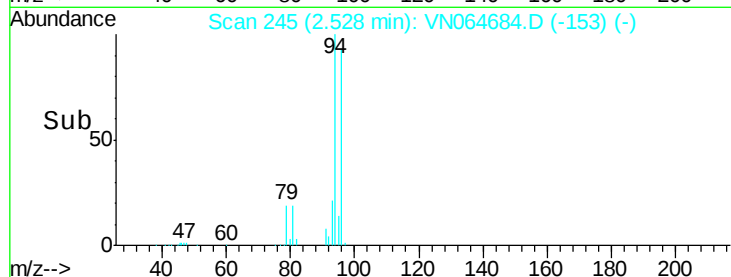
40000

20000

0

Time-->

2.40 2.50 2.60



#6

Chloroethane

Concen: 46.452 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064684.D

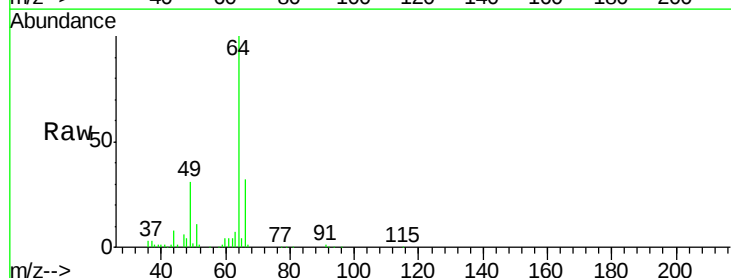
Acq: 17 Nov 2020 16:43

Tgt Ion: 64 Resp: 140162

Ion Ratio Lower Upper

64 100

66 32.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN064684.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN064684.D (-197) (-)

2.67

60000

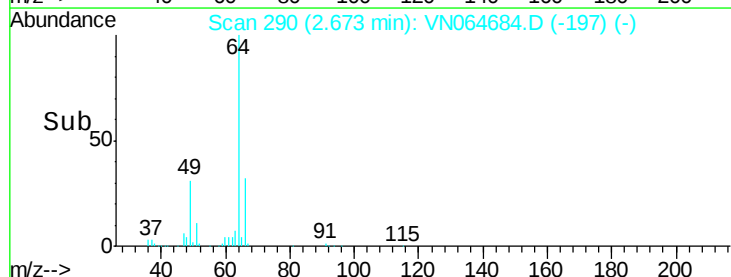
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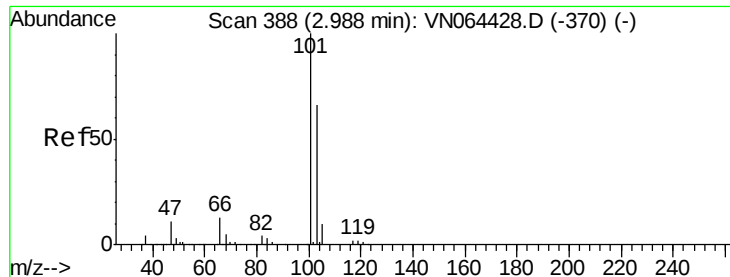
20000

0

Time-->

2.60 2.70 2.80



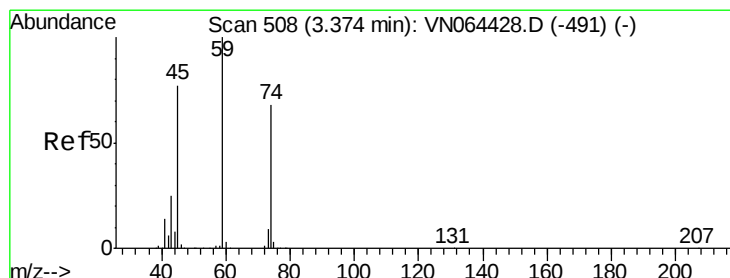
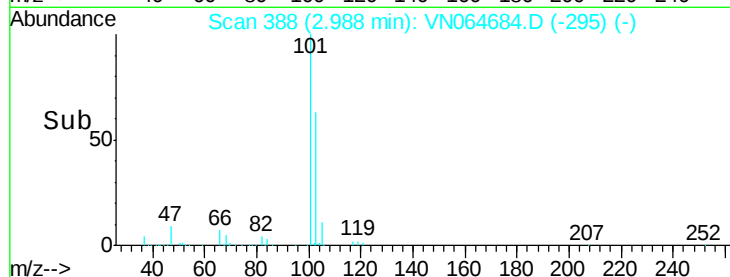
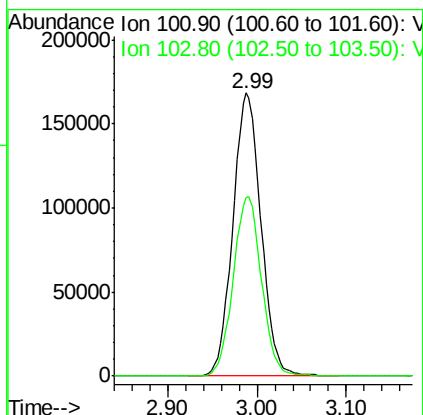
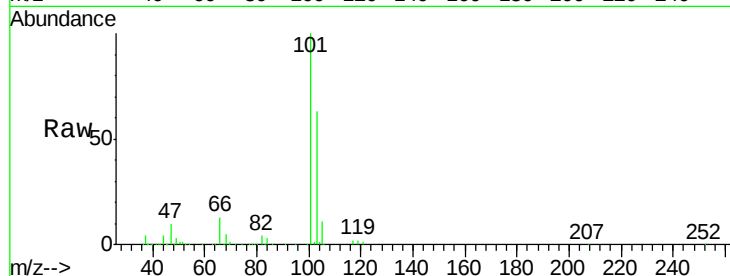


#7

Trichlorofluoromethane
Concen: 53.010 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064684.D
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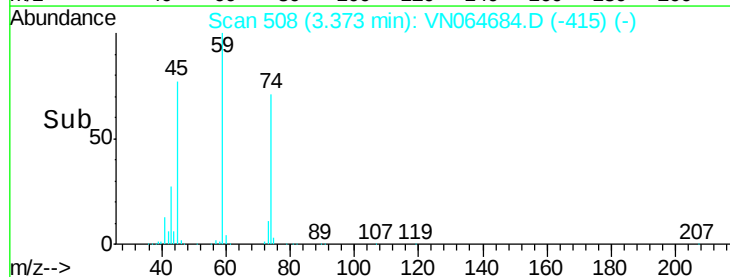
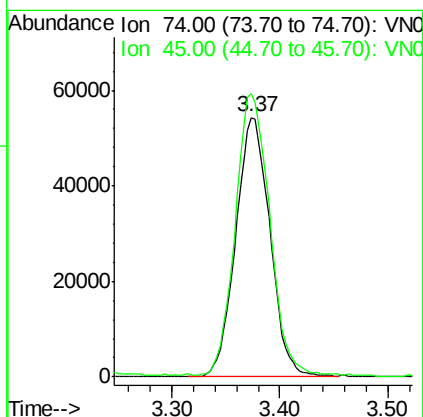
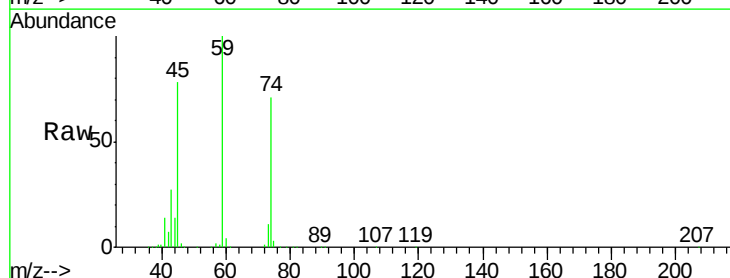
Tot Ion:101 Resp: 367873
Ion Ratio Lower Upper
101 100
103 63.2 52.4 78.6

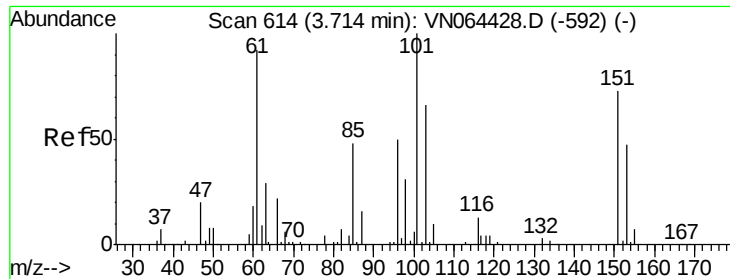


#8

Diethyl Ether
Concen: 49.049 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion: 74 Resp: 120202
Ion Ratio Lower Upper
74 100
45 108.7 55.9 167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.788 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

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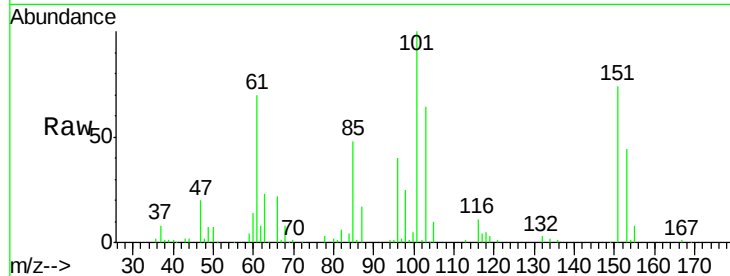
Tot Ion:101 Resp: 157483

Ion Ratio Lower Upper

101 100

85 48.0 38.6 57.8

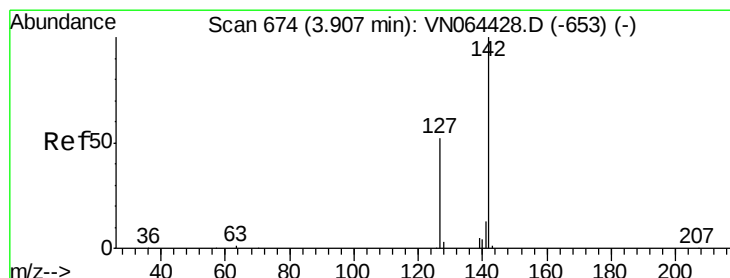
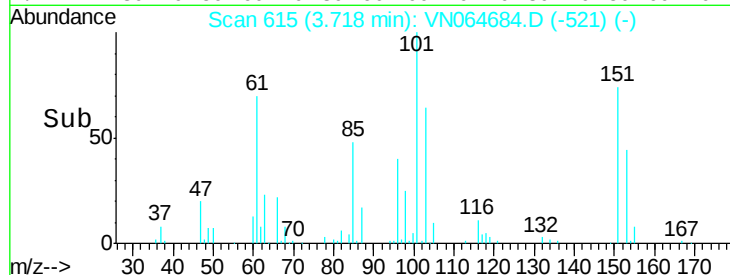
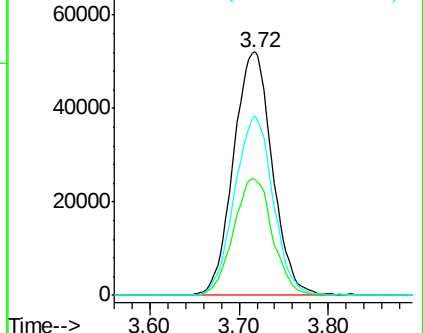
151 73.1 57.5 86.3



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: 47.811 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

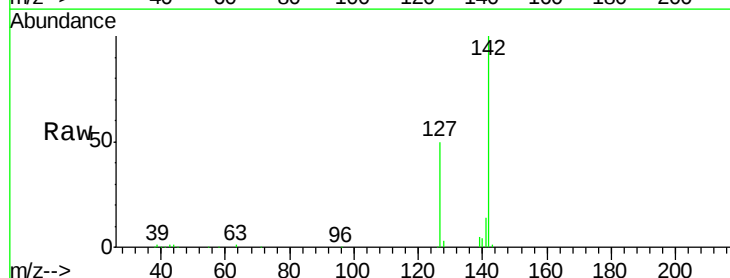
Tgt Ion:142 Resp: 183079

Ion Ratio Lower Upper

142 100

127 51.0 41.8 62.8

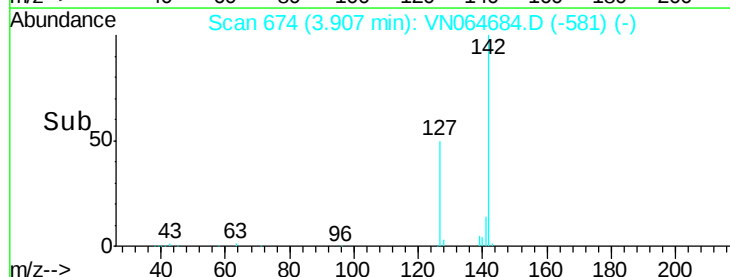
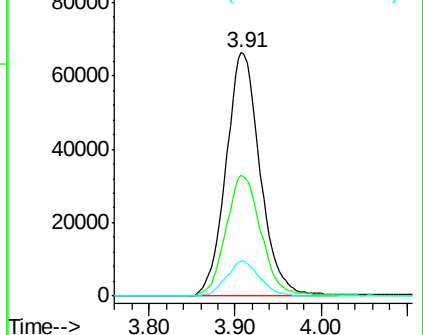
141 14.1 11.4 17.2

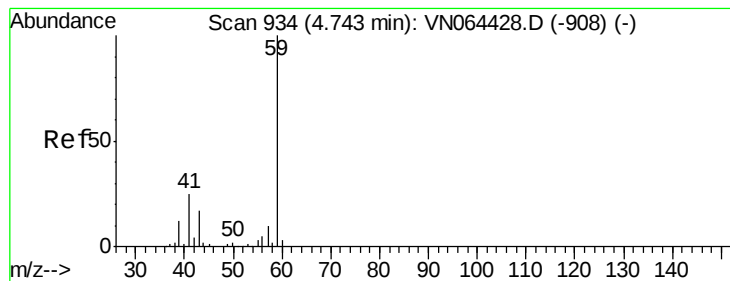


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



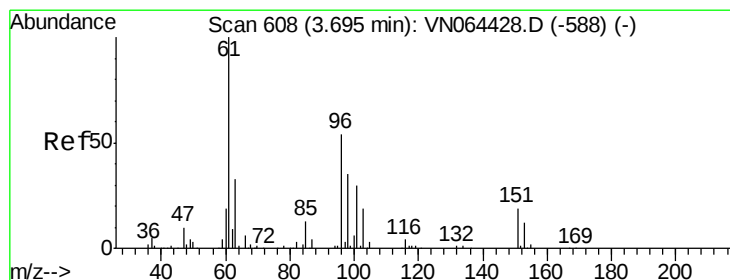
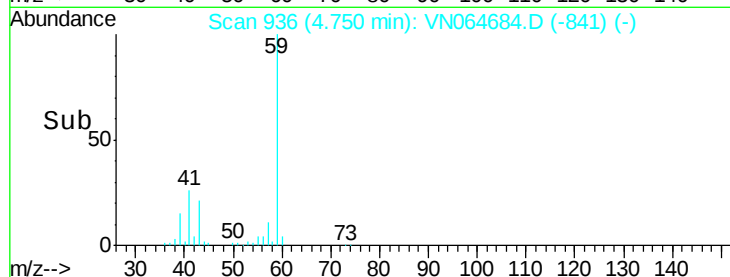
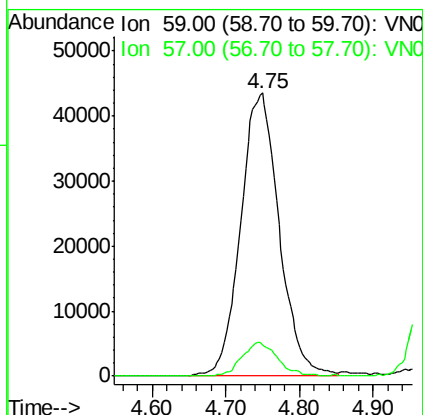
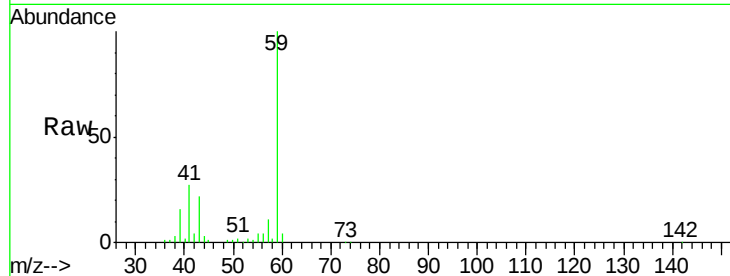


#11

Tert butyl alcohol
 Concen: 284.593 ug/l
 RT: 4.75 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN064684.D
 Acq: 17 Nov 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4MS

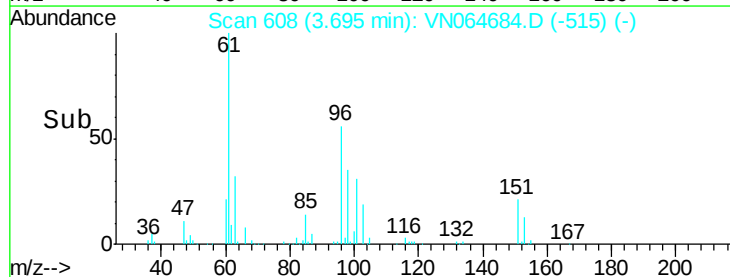
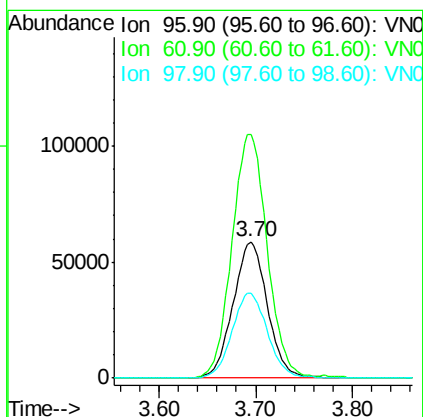
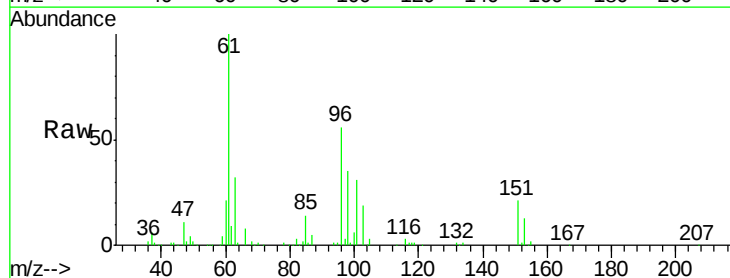
Tot Ion: 59 Resp: 158674
 Ion Ratio Lower Upper
 59 100
 57 11.0 9.0 13.4

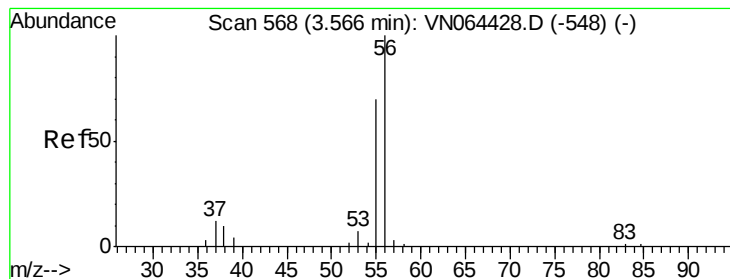


#12

1,1-Dichloroethene
 Concen: 46.630 ug/l
 RT: 3.70 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN064684.D
 Acq: 17 Nov 2020 16:43

Tgt Ion: 96 Resp: 144748
 Ion Ratio Lower Upper
 96 100
 61 178.4 149.5 224.3
 98 62.6 52.4 78.6





#13

Acrolein

Concen: 235.144 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

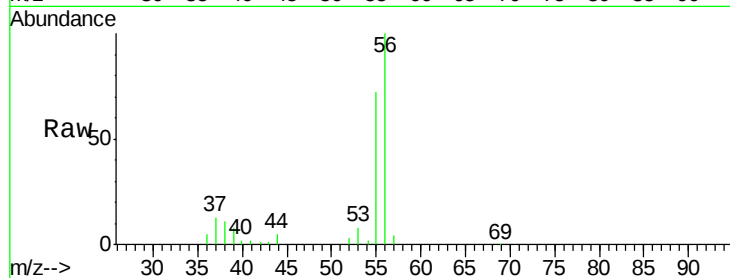
MW-4MS

Tot Ion: 56 Resp: 81322

Ion Ratio Lower Upper

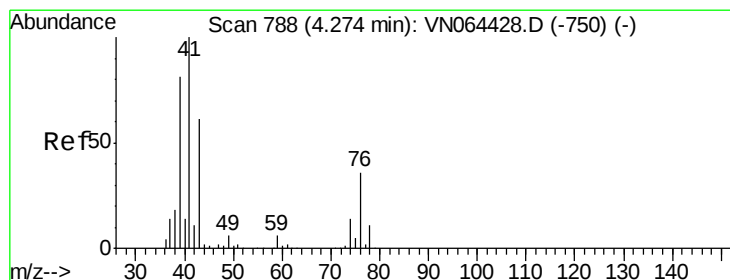
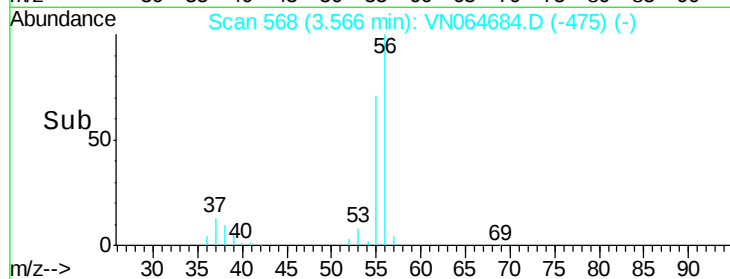
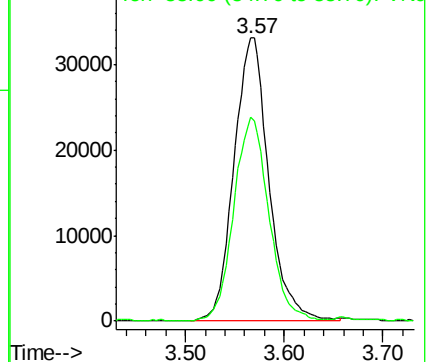
56 100

55 72.7 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 43.969 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

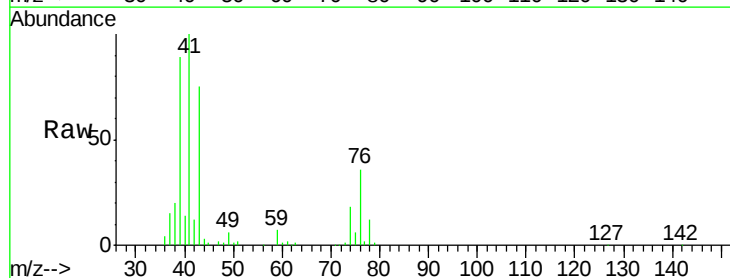
Tgt Ion: 41 Resp: 266997

Ion Ratio Lower Upper

41 100

39 81.4 61.8 92.8

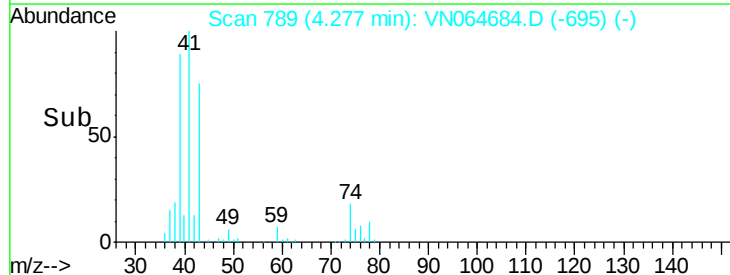
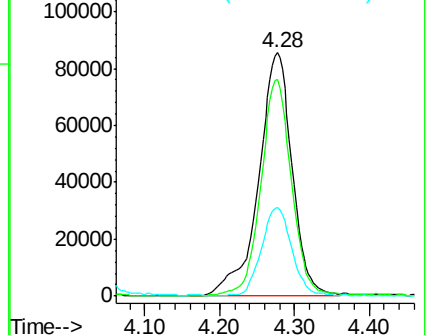
76 32.3 25.4 38.0

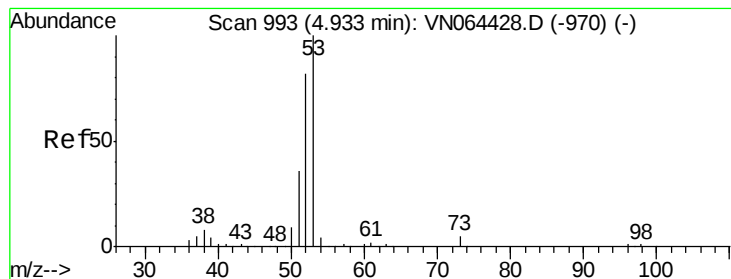


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 251.055 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampled :

MW-4MS

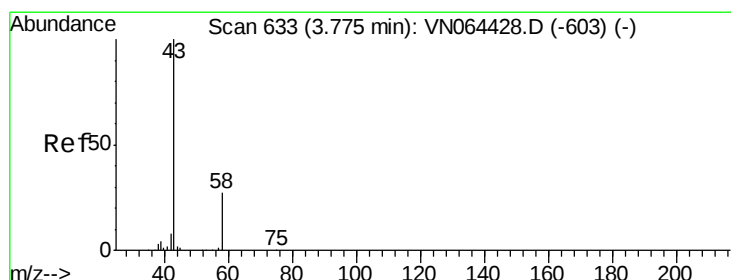
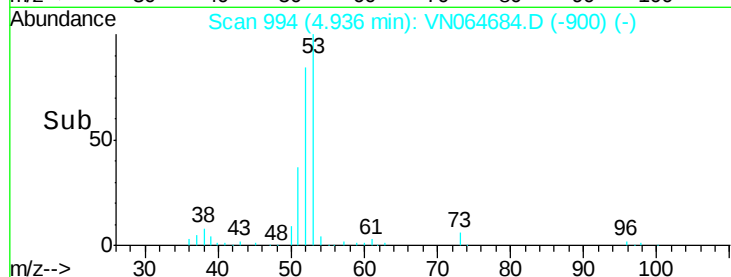
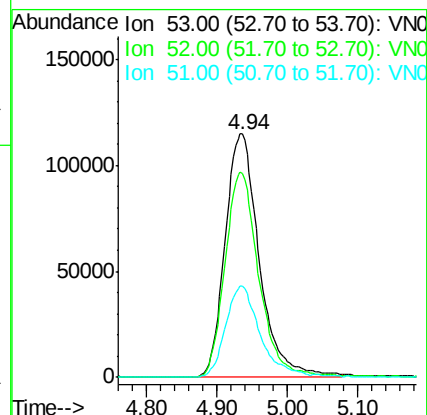
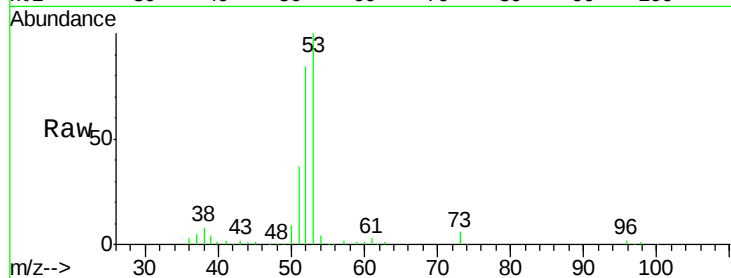
Tot Ion: 53 Resp: 389707

Ion Ratio Lower Upper

53 100

52 82.6 65.6 98.4

51 37.7 29.9 44.9



#16

Acetone

Concen: 191.765 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064684.D

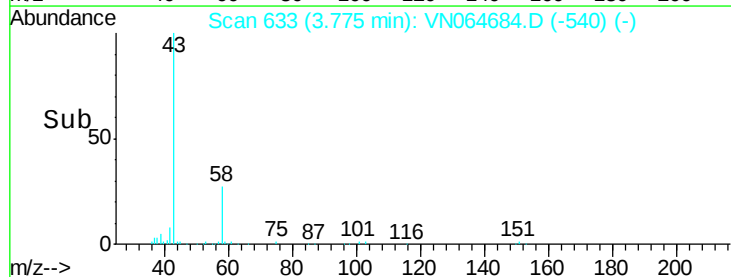
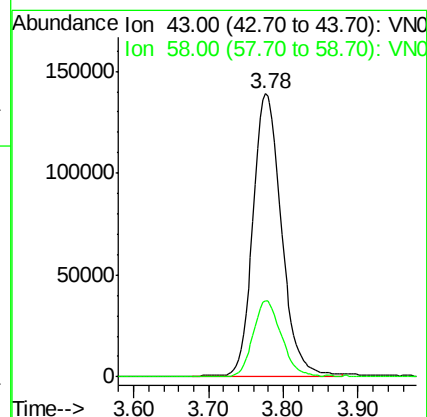
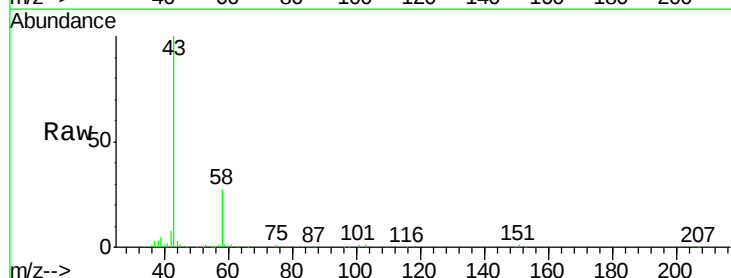
Acq: 17 Nov 2020 16:43

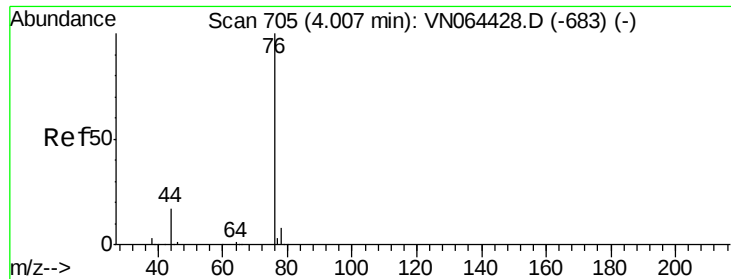
Tgt Ion: 43 Resp: 369309

Ion Ratio Lower Upper

43 100

58 27.0 21.4 32.0

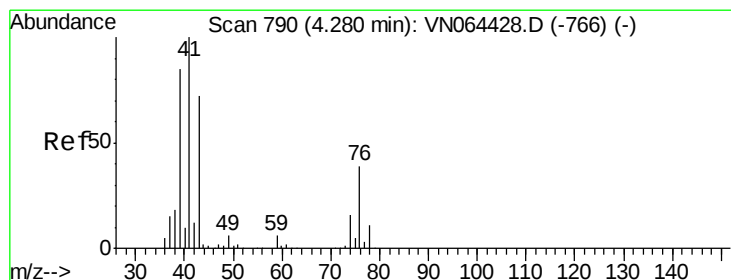
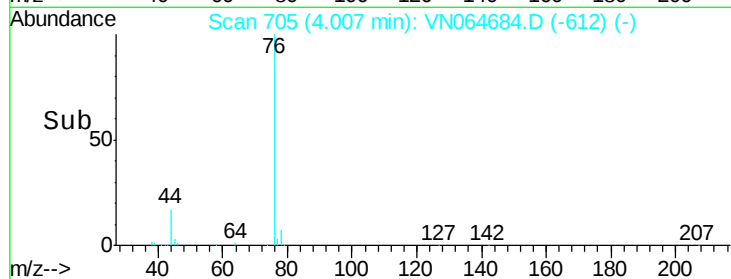
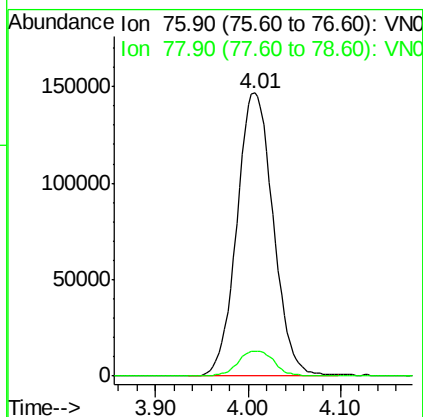
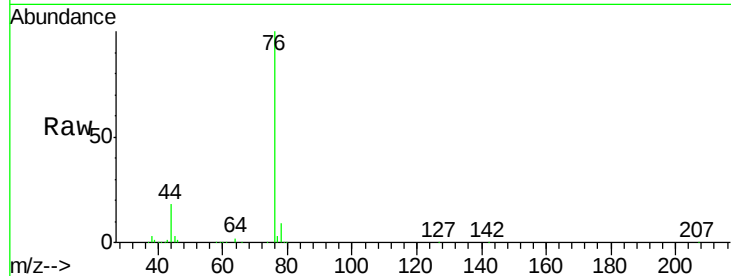




#17
Carbon Disulfide
Concen: 43.069 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

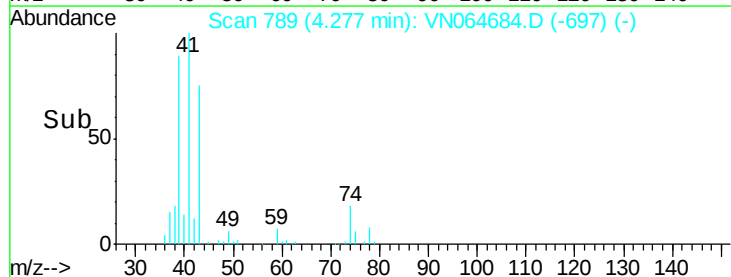
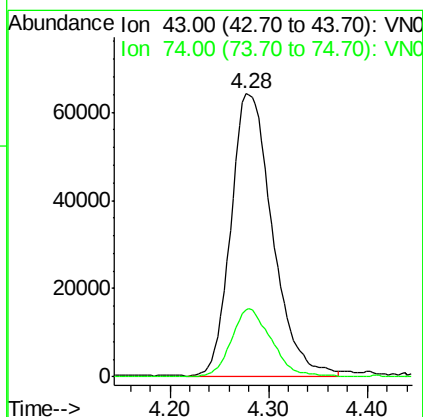
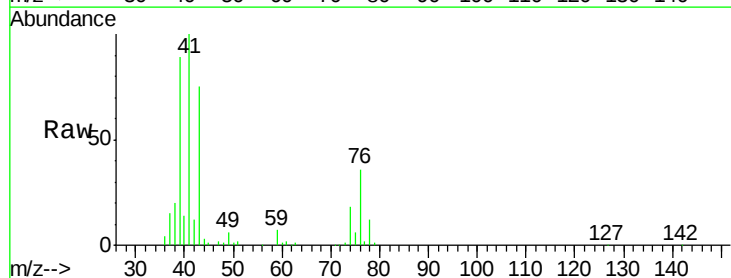
Instrument :
MSVOA_N
ClientSampleId :
MW-4MS

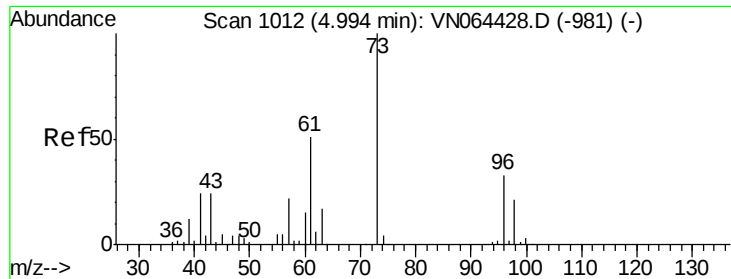
Tot Ion: 76 Resp: 399815
Ion Ratio Lower Upper
76 100
78 8.7 6.8 10.2



#18
Methyl Acetate
Concen: 49.384 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion: 43 Resp: 186974
Ion Ratio Lower Upper
43 100
74 23.4 17.0 25.4

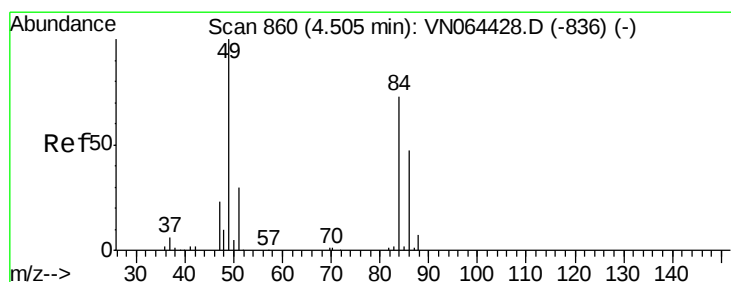
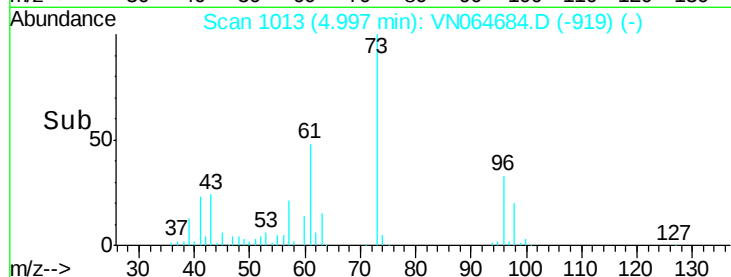
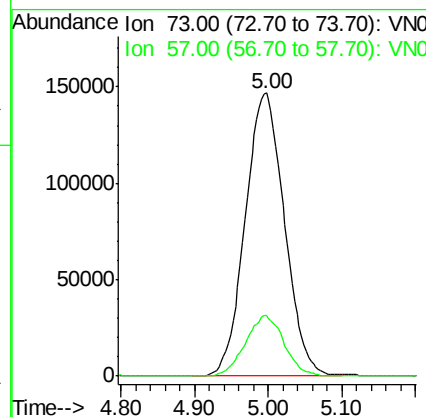
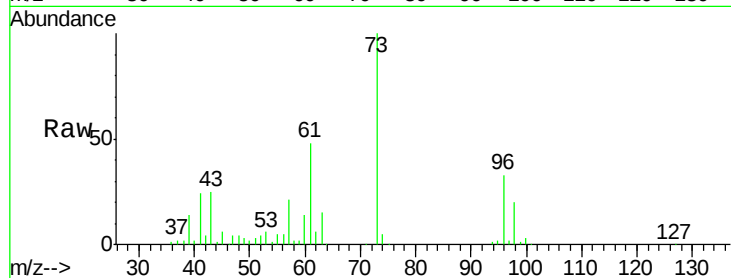




#19
Methvl tert-butvl Ether
Concen: 48.703 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

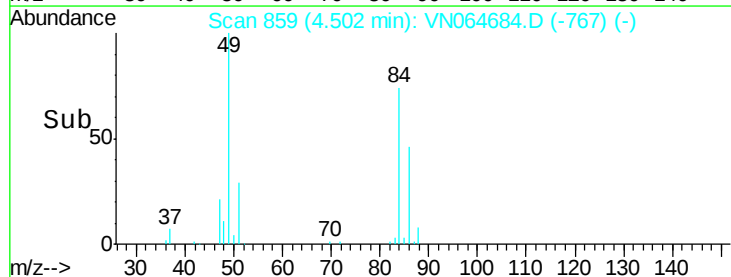
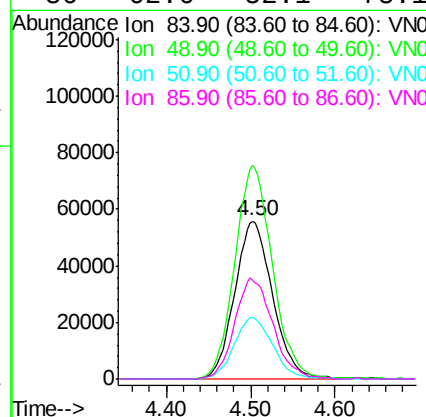
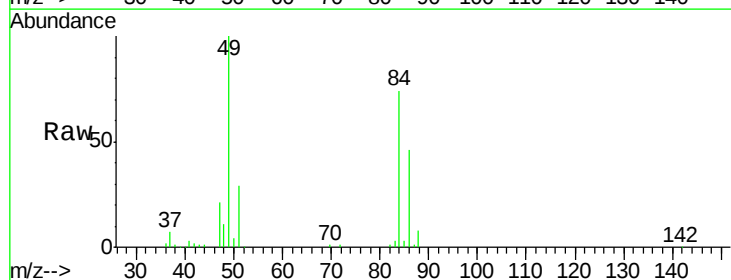
Instrument :
MSVOA_N
ClientSampleId :
MW-4MS

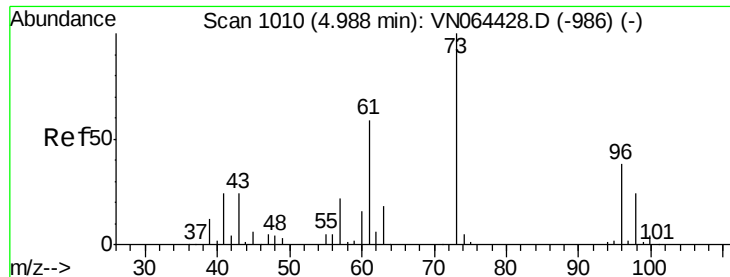
Tot Ion: 73 Resp: 544120
Ion Ratio Lower Upper
73 100
57 21.3 17.7 26.5



#20
Methylene Chloride
Concen: 45.676 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion: 84 Resp: 174527
Ion Ratio Lower Upper
84 100
49 135.3 110.1 165.1
51 39.0 33.6 50.4
86 62.6 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 47.215 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

MW-4MS

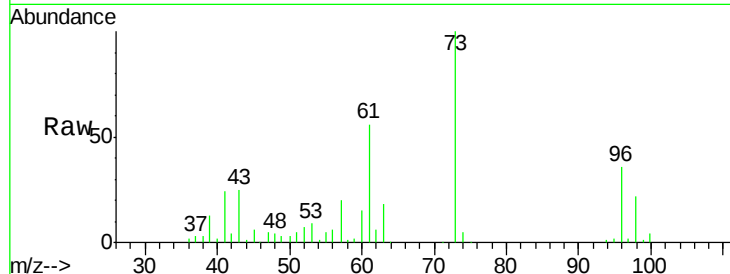
Tot Ion: 96 Resp: 166414

Ion Ratio Lower Upper

96 100

61 153.6 122.4 183.6

98 61.9 50.4 75.6

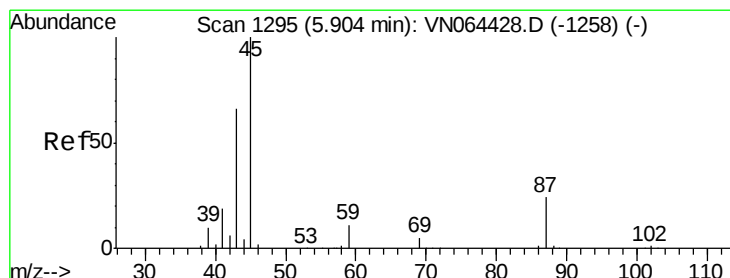
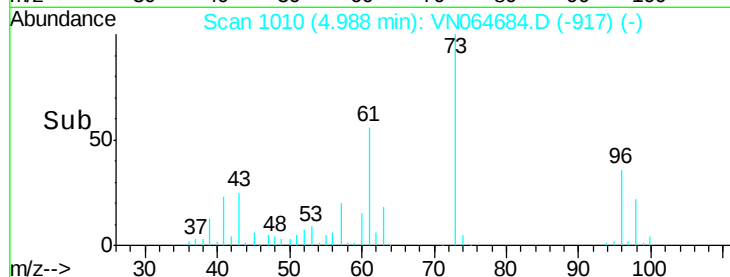
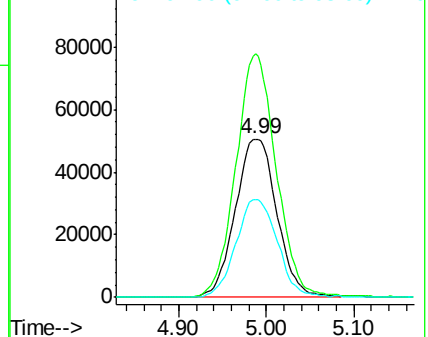


Abundance

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: 46.289 ug/l

RT: 5.91 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Tgt Ion: 45 Resp: 596668

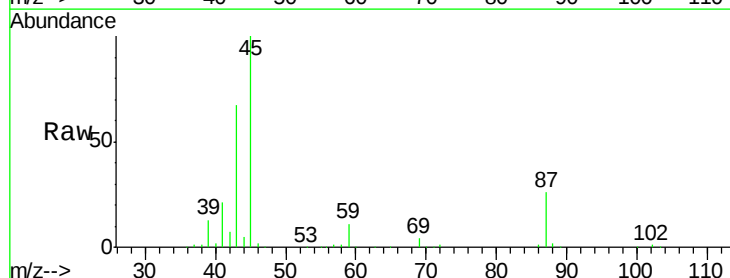
Ion Ratio Lower Upper

45 100

43 65.4 53.2 79.8

87 26.3 19.9 29.9

59 10.8 8.6 13.0



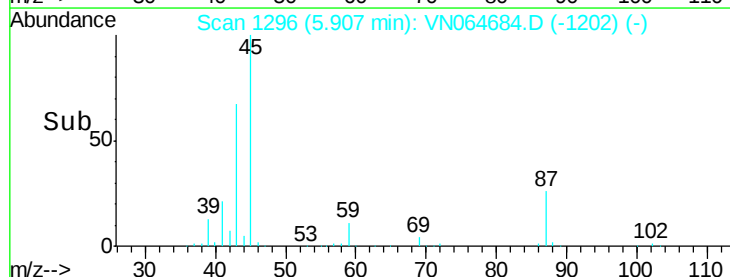
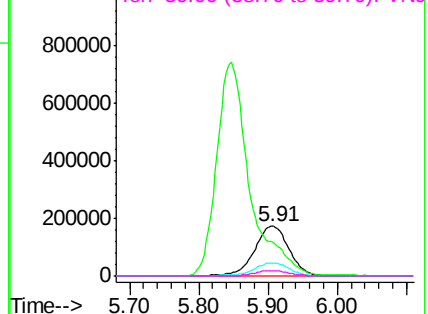
Abundance

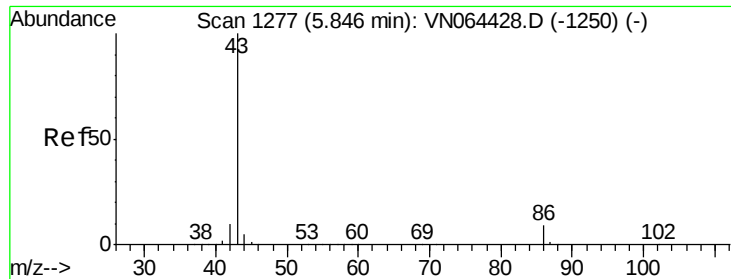
Ion 45.00 (44.70 to 45.70): VN0

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: 235.674 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

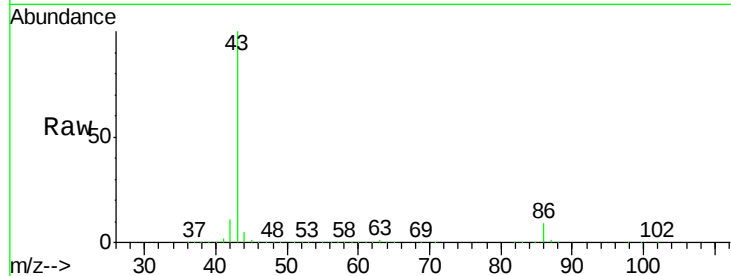
MW-4MS

Tot Ion: 43 Resp: 2471315

Ion Ratio Lower Upper

43 100

86 9.2 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

800000

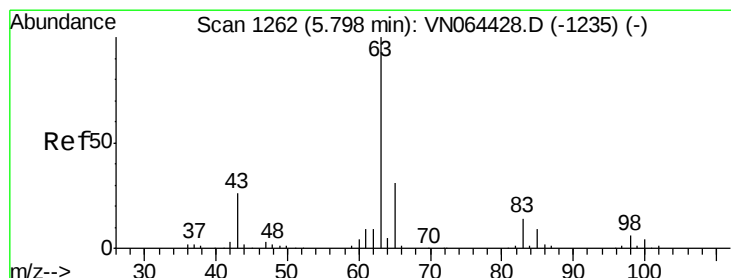
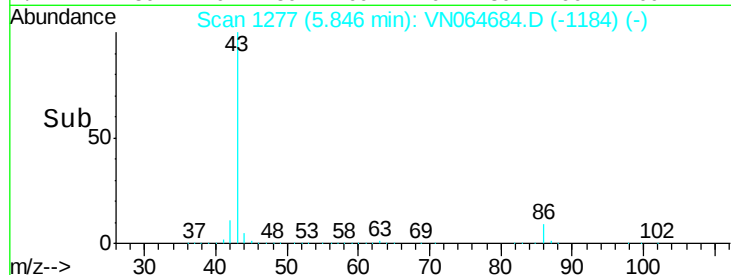
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.815 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

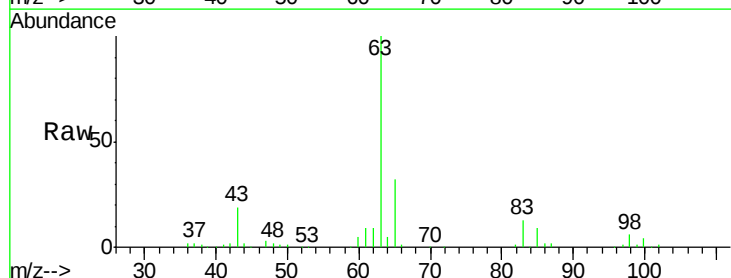
Tgt Ion: 63 Resp: 331604

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.7 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

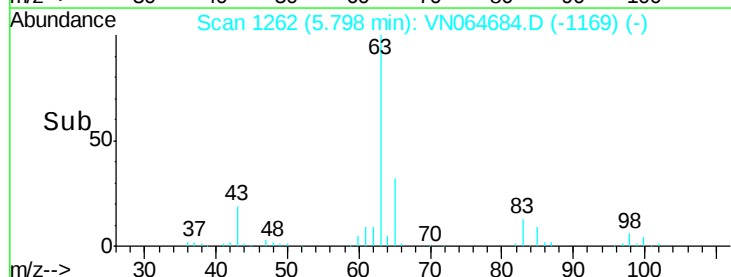
5.80

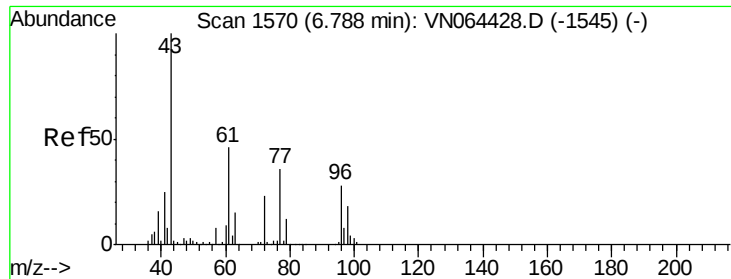
100000

50000

0

Time-->

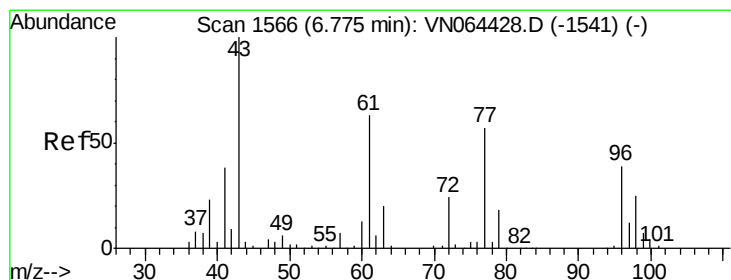
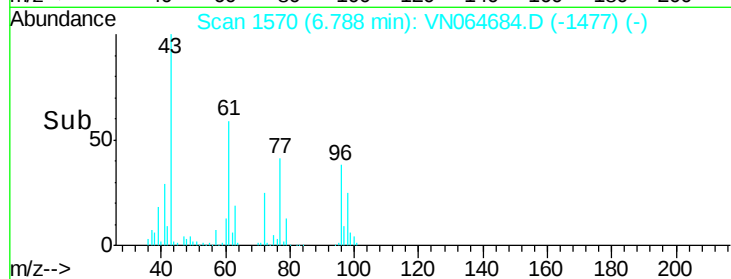
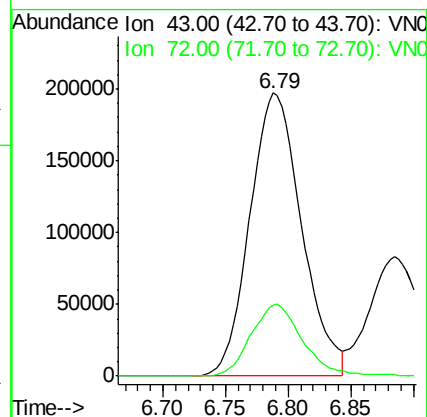
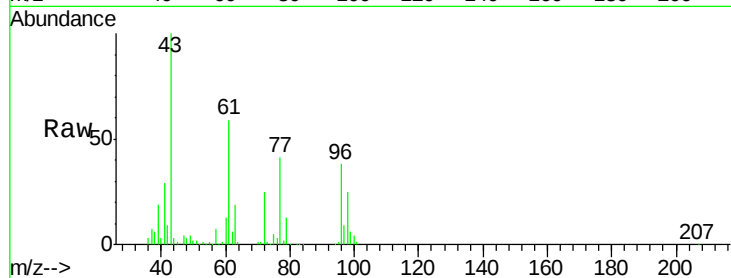




#25
2-Butanone
Concen: 229.376 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

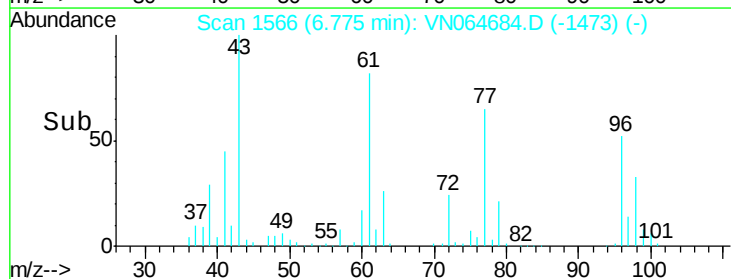
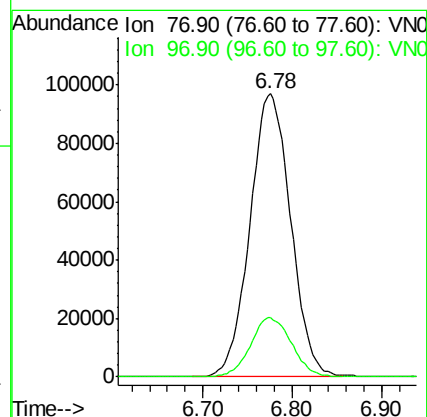
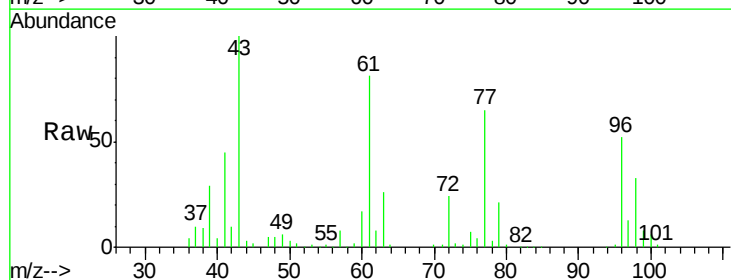
Instrument :
MSVOA_N
ClientSampled :
MW-4MS

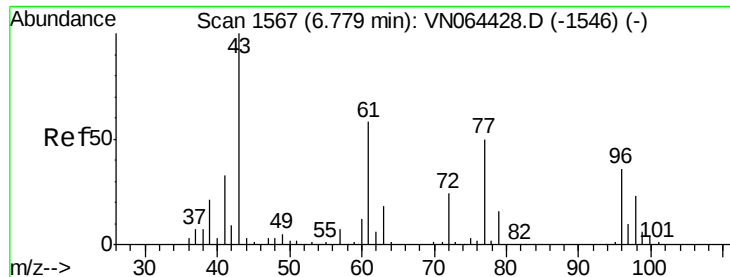
Tot Ion: 43 Resp: 562840
Ion Ratio Lower Upper
43 100
72 25.2 18.5 27.7



#26
2,2-Dichloropropane
Concen: 48.014 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion: 77 Resp: 307866
Ion Ratio Lower Upper
77 100
97 21.1 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 57.837 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

MW-4MS

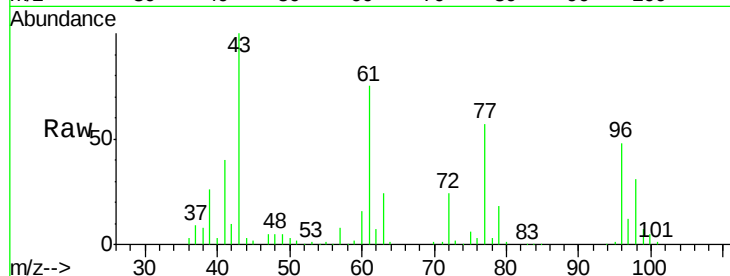
Tot Ion: 96 Resp: 236211

Ion Ratio Lower Upper

96 100

61 155.8 0.0 329.6

98 64.3 0.0 131.2

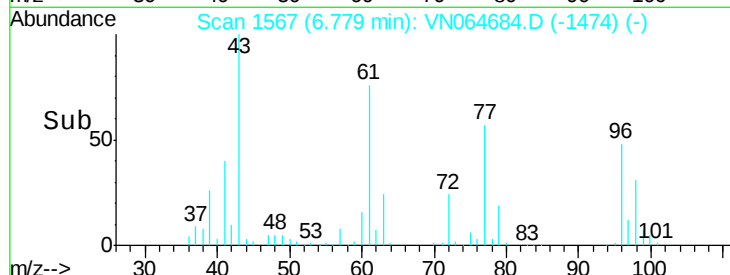


Abundance Ion 95.90 (95.60 to 96.60): VN064684.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064684.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064684.D (-1546) (-)

Time-->

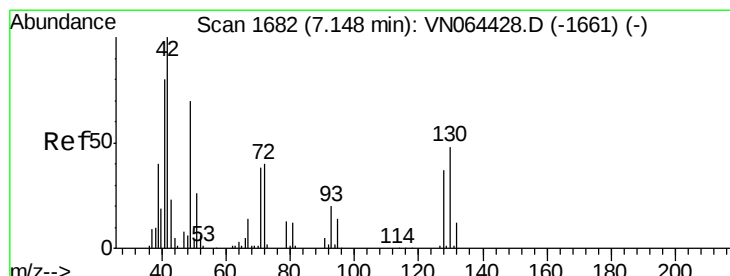


Abundance Ion 95.90 (95.60 to 96.60): VN064684.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064684.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064684.D (-1546) (-)

Time-->



#28

Bromochloromethane

Concen: 44.742 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

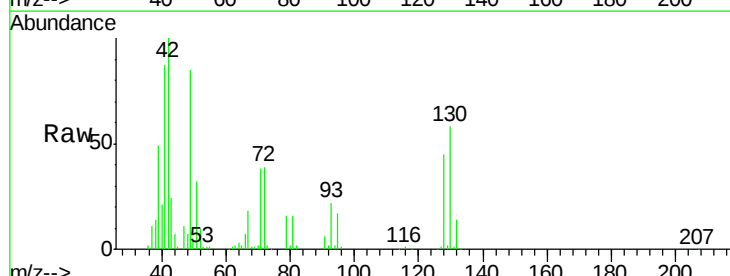
Tgt Ion: 49 Resp: 155775

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.6

130 68.6 54.2 81.4

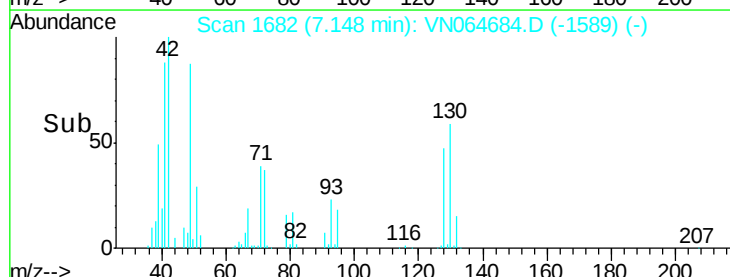


Abundance Ion 48.90 (48.60 to 49.60): VN064684.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN064684.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064684.D (-1589) (-)

Time-->

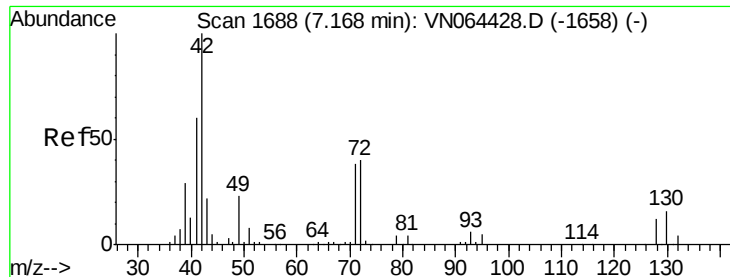


Abundance Ion 48.90 (48.60 to 49.60): VN064684.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN064684.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064684.D (-1589) (-)

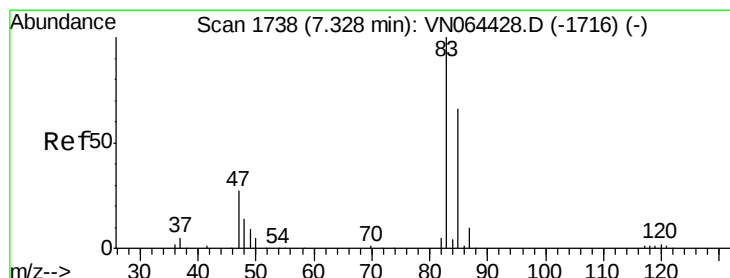
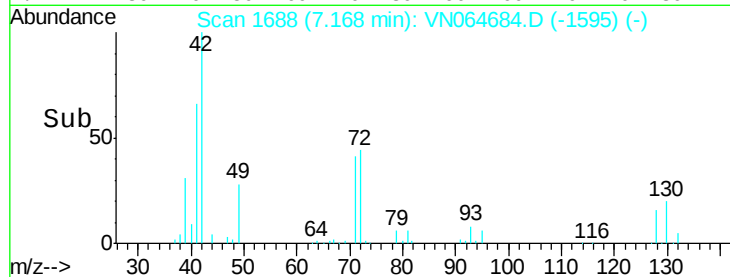
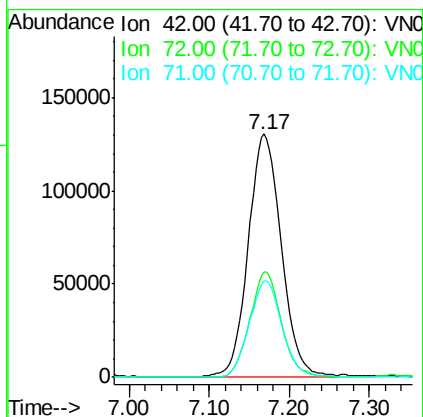
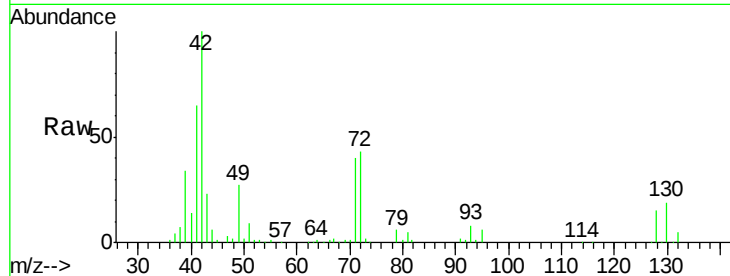
Time-->



#29
Tetrahydrofuran
Concen: 243.920 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

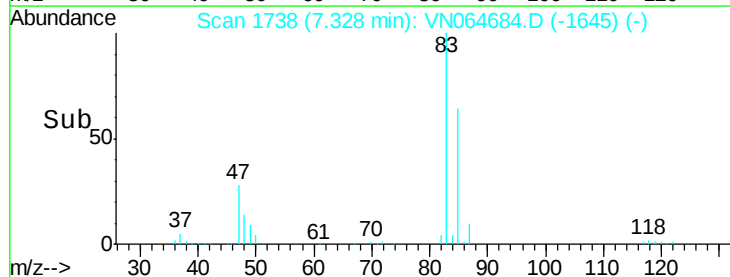
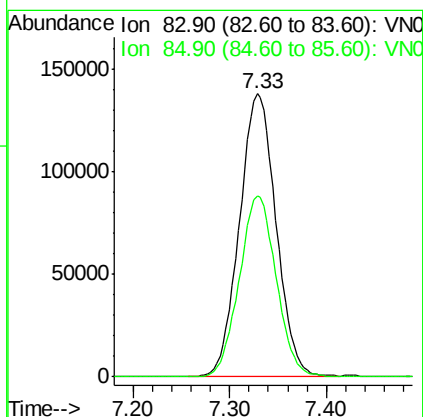
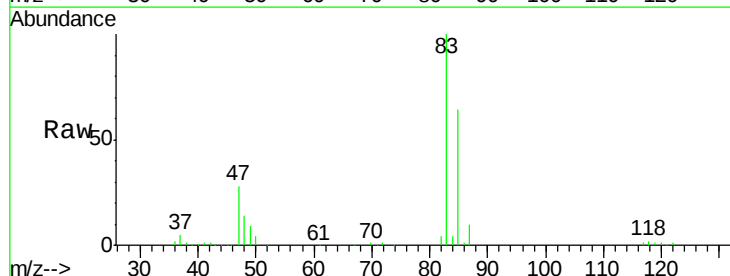
Instrument :
MSVOA_N
ClientSampleId :
MW-4MS

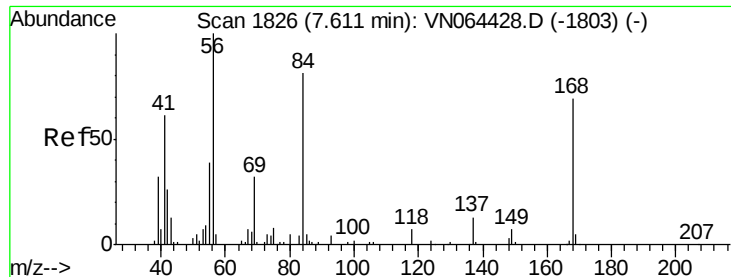
Tot Ion: 42 Resp: 367211
Ion Ratio Lower Upper
42 100
72 41.6 31.7 47.5
71 39.6 29.8 44.6



#30
Chloroform
Concen: 48.723 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion: 83 Resp: 362772
Ion Ratio Lower Upper
83 100
85 64.1 52.5 78.7





#31

Cyclohexane

Concen: 42.490 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

MW-4MS

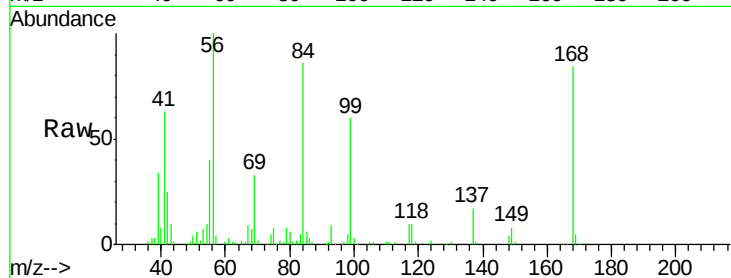
Tot Ion: 56 Resp: 261139

Ion Ratio Lower Upper

56 100

69 33.2 25.6 38.4

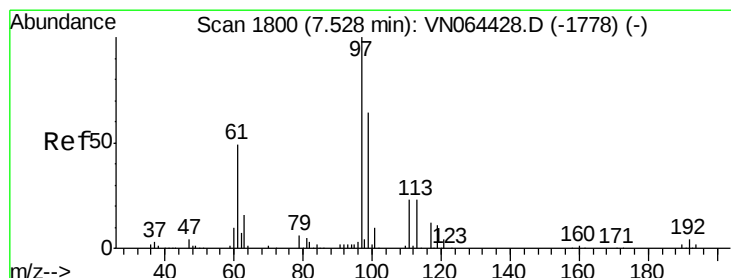
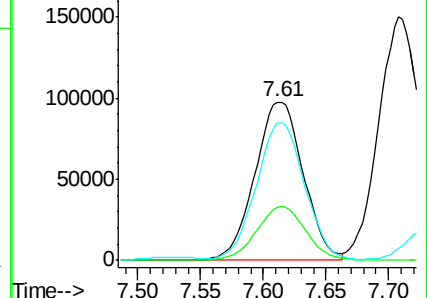
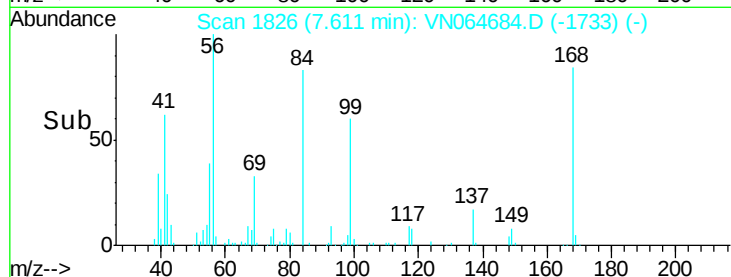
84 84.7 63.0 94.6



Abundance Ion 56.00 (55.70 to 56.70): VN064684.D (-1733) (-)

Ion 69.00 (68.70 to 69.70): VN064684.D (-1733) (-)

Ion 84.00 (83.70 to 84.70): VN064684.D (-1733) (-)



#32

1,1,1-Trichloroethane

Concen: 49.298 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

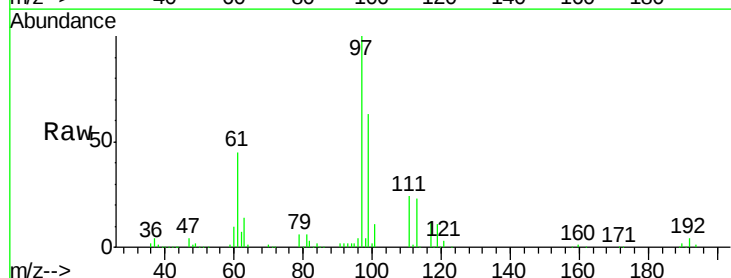
Tgt Ion: 97 Resp: 325551

Ion Ratio Lower Upper

97 100

99 64.7 51.3 76.9

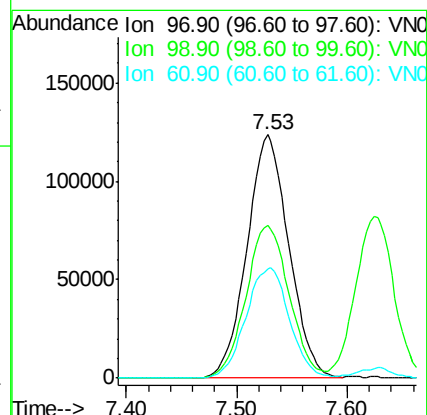
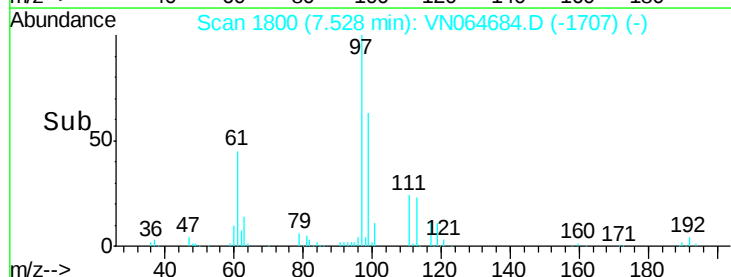
61 47.1 39.1 58.7

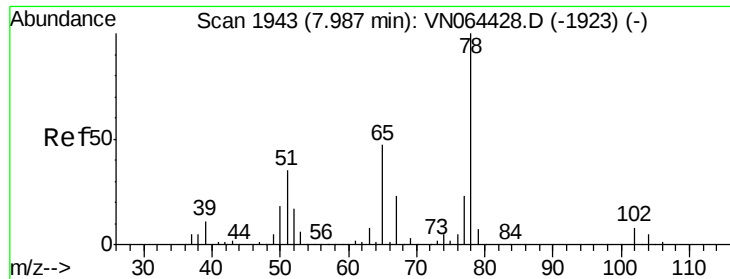


Abundance Ion 96.90 (96.60 to 97.60): VN064684.D (-1707) (-)

Ion 98.90 (98.60 to 99.60): VN064684.D (-1707) (-)

Ion 60.90 (60.60 to 61.60): VN064684.D (-1707) (-)

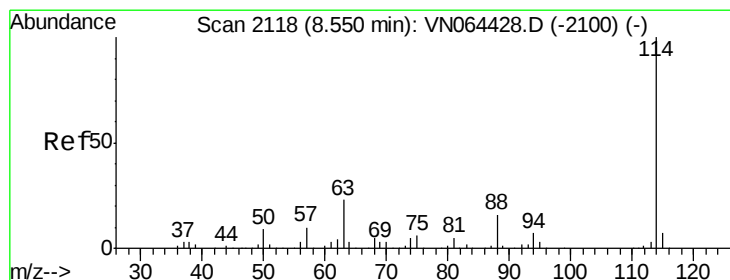
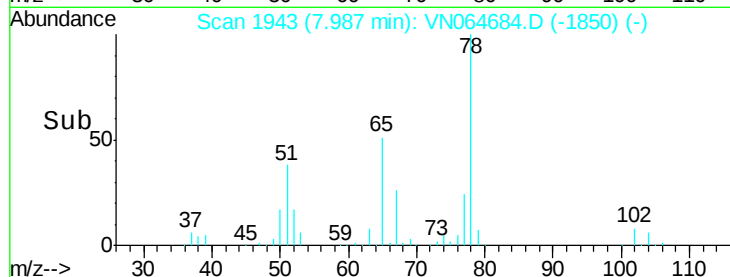
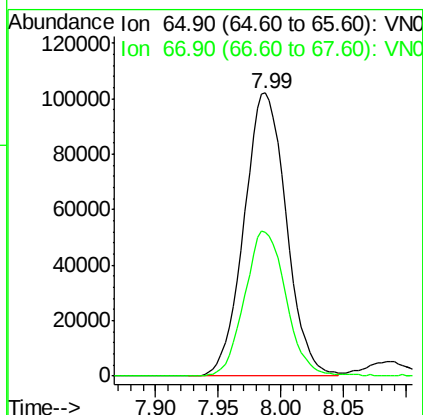
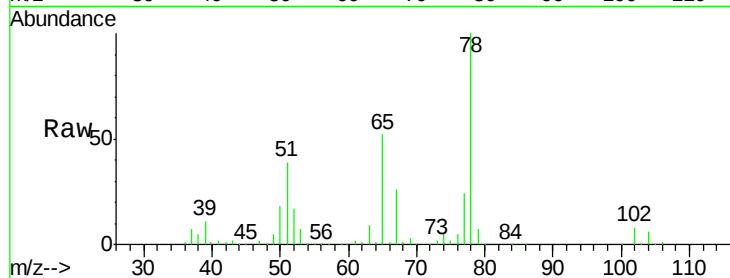




#33
 1,2-Dichloroethane-d4
 Concen: 47.392 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064684.D
 Acq: 17 Nov 2020 16:43

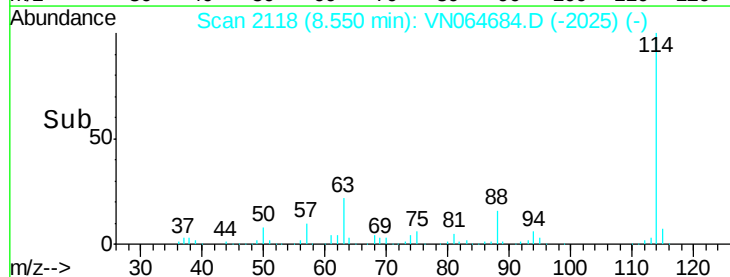
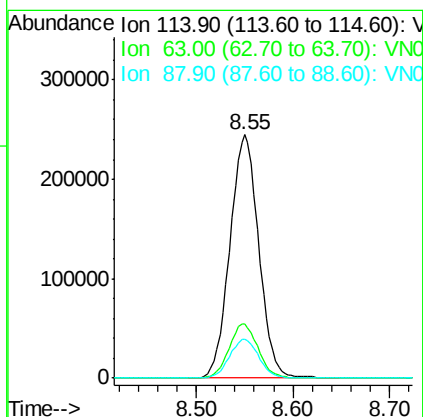
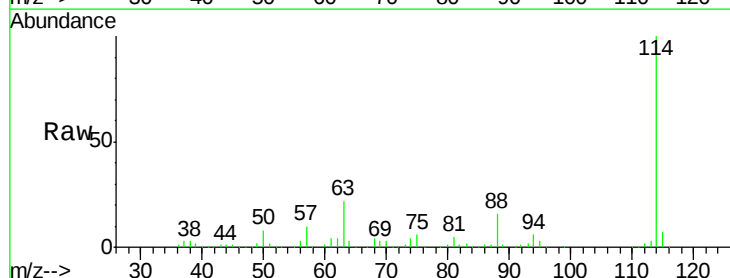
Instrument :
 MSVOA_N
 ClientSampled :
 MW-4MS

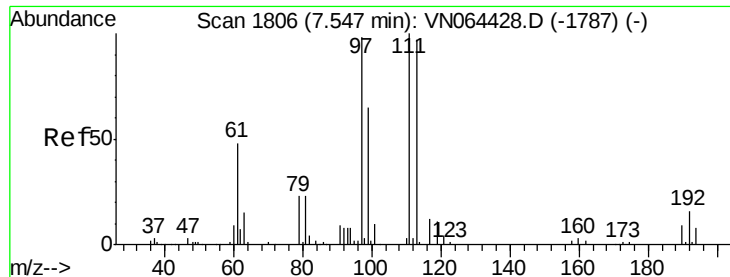
Tot Ion: 65 Resp: 239602
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064684.D
 Acq: 17 Nov 2020 16:43

Tgt Ion: 114 Resp: 507183
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.6
 88 16.0 0.0 32.8

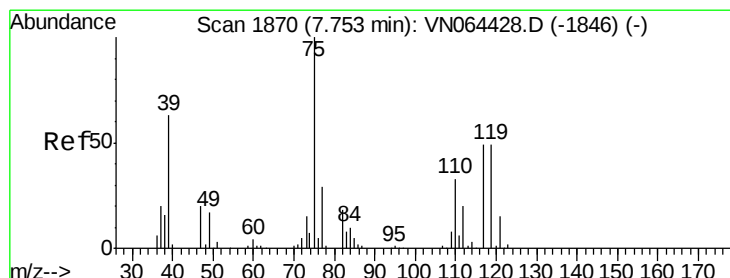
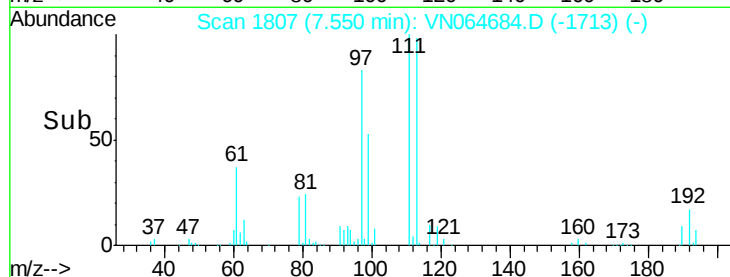
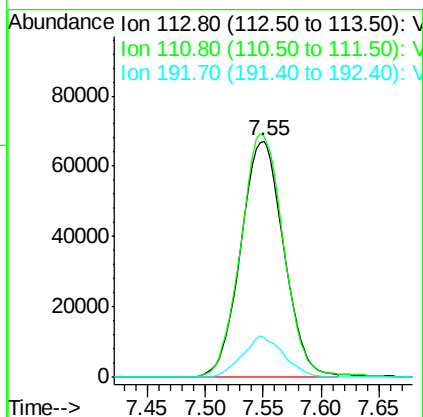
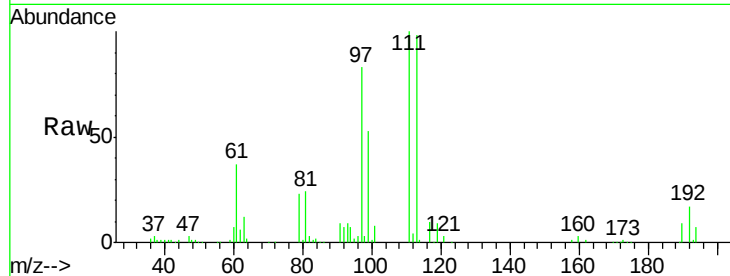




#35
Dibromofluoromethane
Concen: 50.313 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

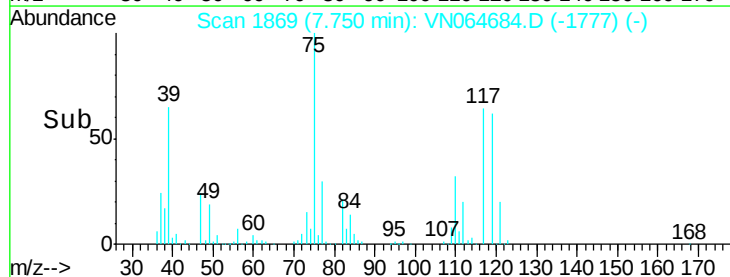
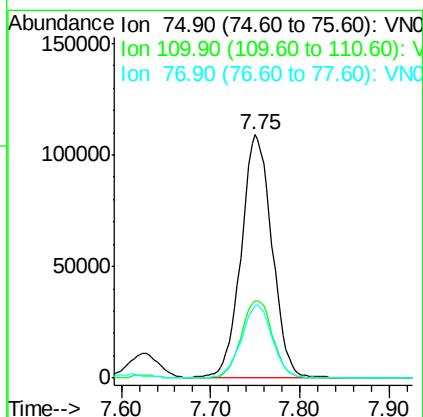
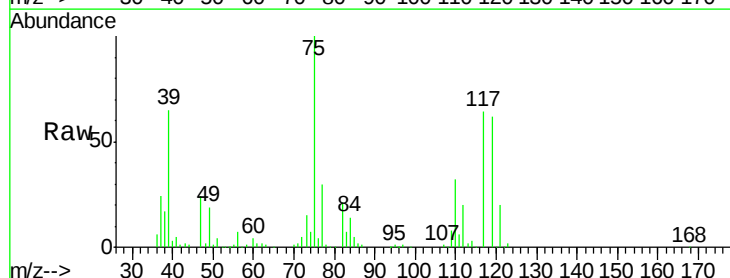
Instrument :
MSVOA_N
ClientSampleId :
MW-4MS

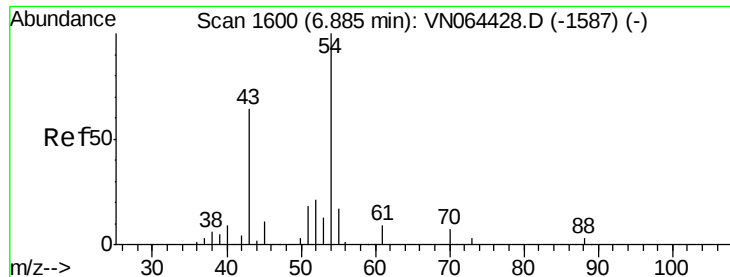
Tot Ion:113 Resp: 173742
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 16.9 12.8 19.2



#36
1,1-Dichloropropene
Concen: 48.529 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion: 75 Resp: 260017
Ion Ratio Lower Upper
75 100
110 32.6 16.0 48.0
77 30.5 24.0 36.0

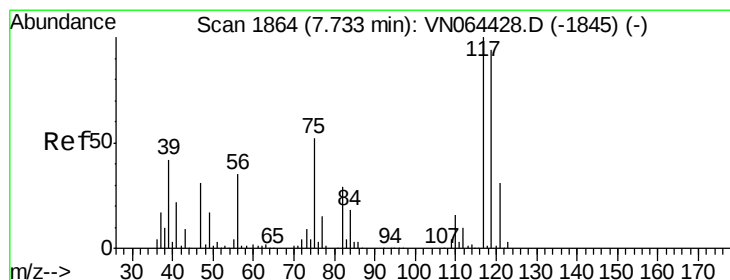
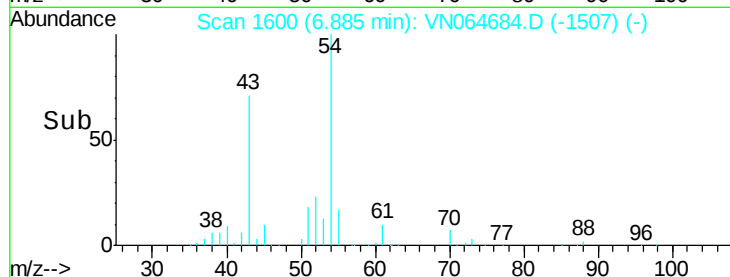
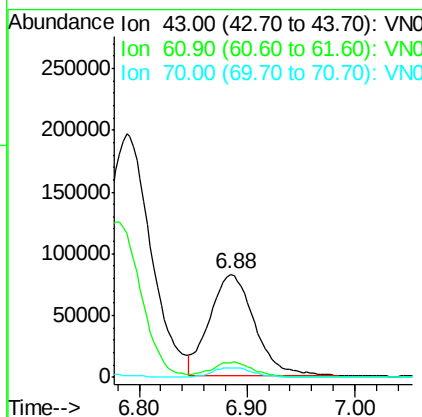
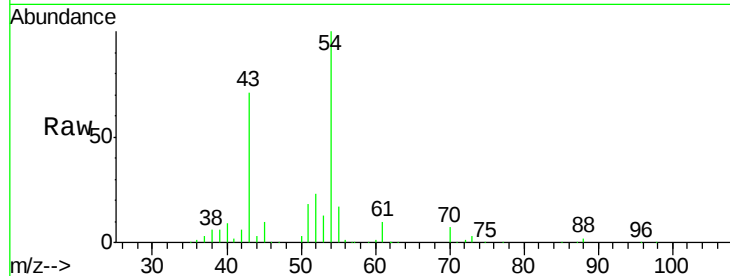




#37
Ethyl Acetate
Concen: 43.783 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

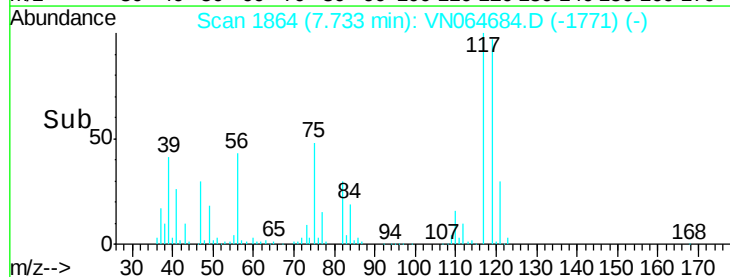
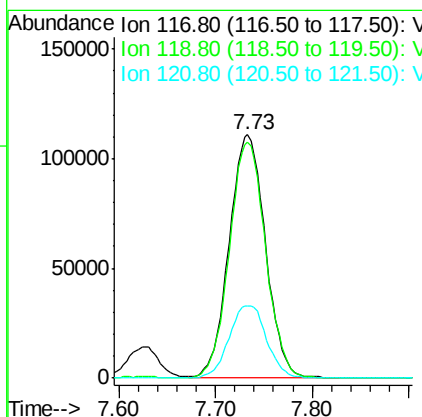
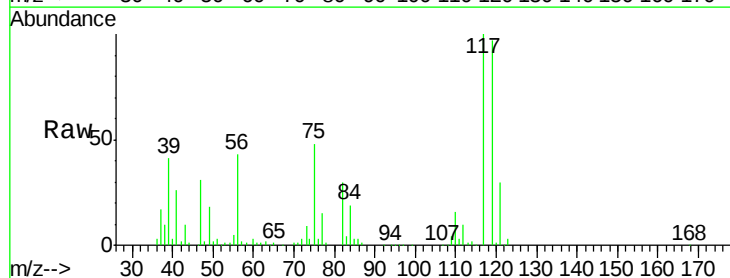
Instrument :
MSVOA_N
ClientSampleId :
MW-4MS

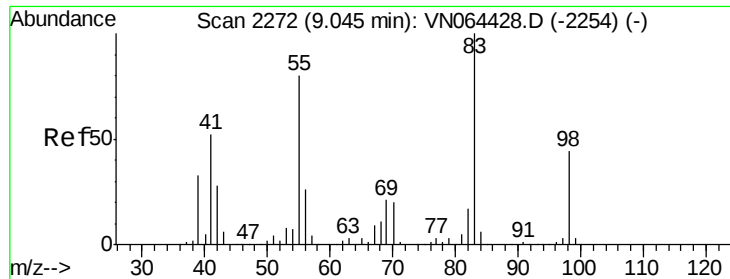
Tot Ion: 43 Resp: 237570
Ion Ratio Lower Upper
43 100
61 13.5 10.0 15.0
70 8.9 7.1 10.7



#38
Carbon Tetrachloride
Concen: 50.294 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion: 117 Resp: 288002
Ion Ratio Lower Upper
117 100
119 96.8 75.5 113.3
121 29.9 24.4 36.6

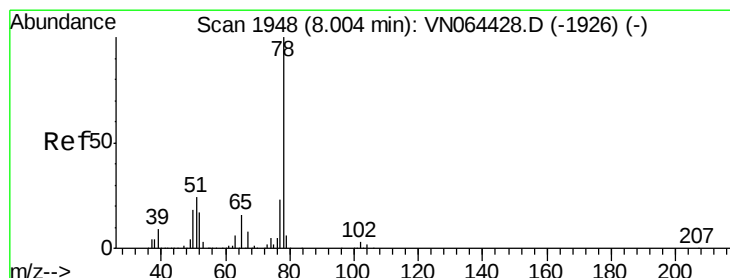
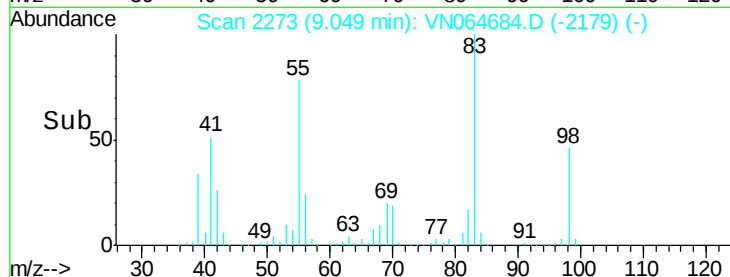
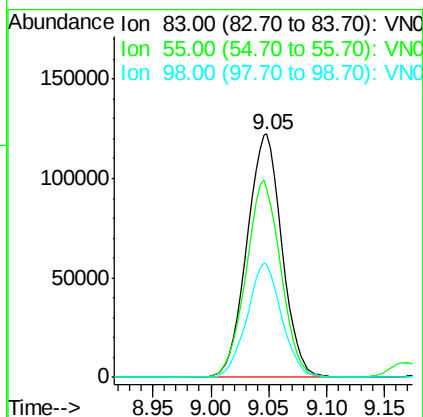
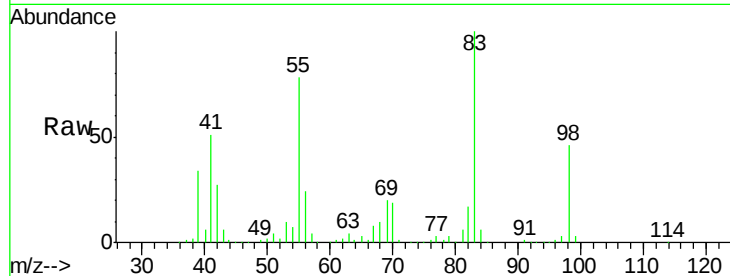




#39
Methvlcvclohexane
Concen: 53.674 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

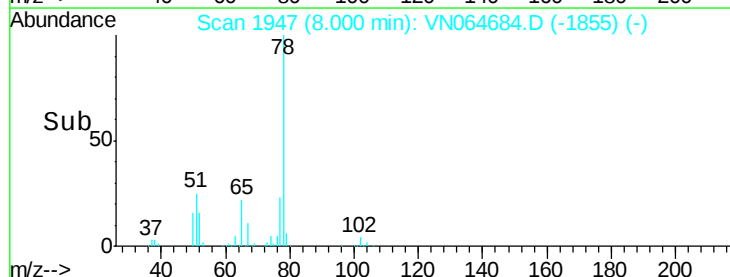
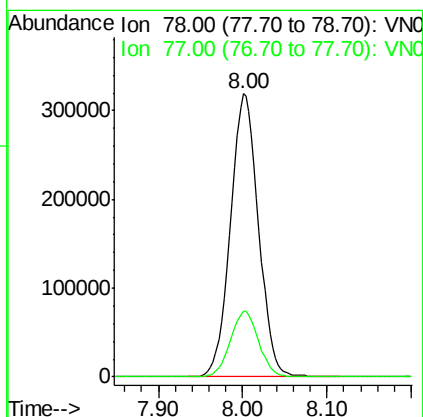
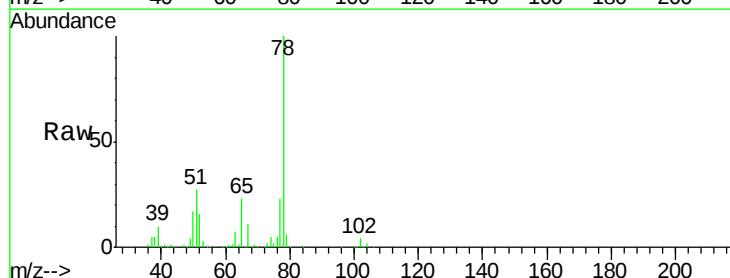
Instrument :
MSVOA_N
ClientSampleId :
MW-4MS

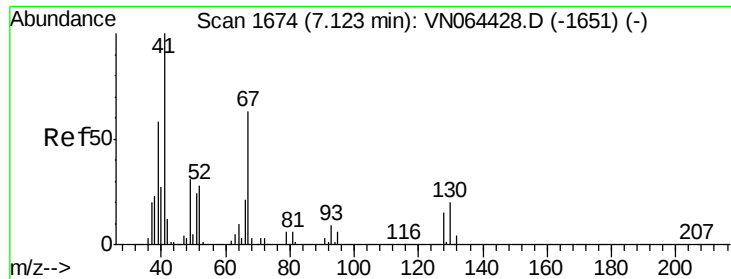
Tot Ion: 83 Resp: 257802
Ion Ratio Lower Upper
83 100
55 77.5 63.8 95.6
98 46.4 35.4 53.2



#40
Benzene
Concen: 46.831 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion: 78 Resp: 737341
Ion Ratio Lower Upper
78 100
77 23.1 18.7 28.1

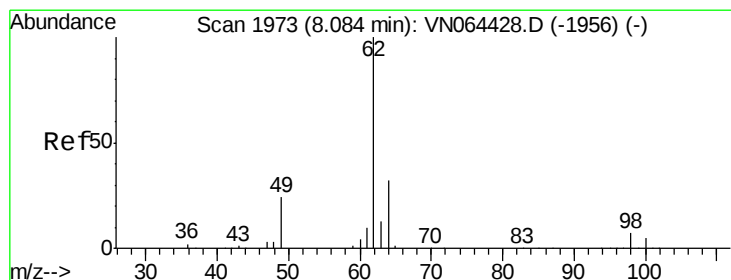
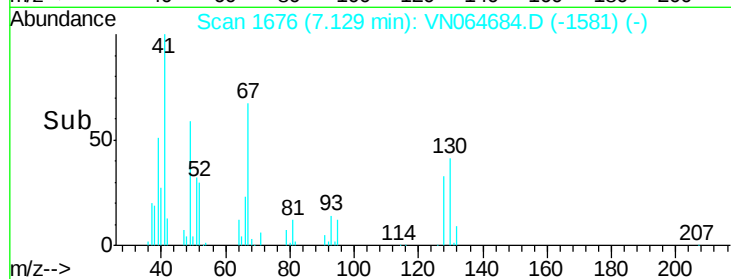
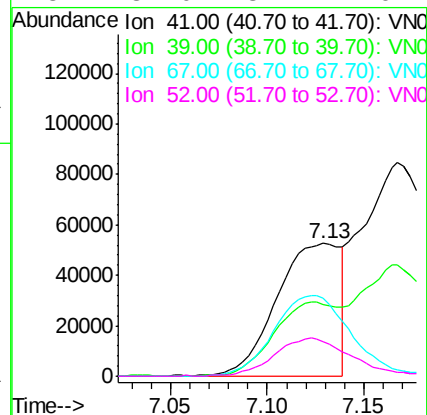
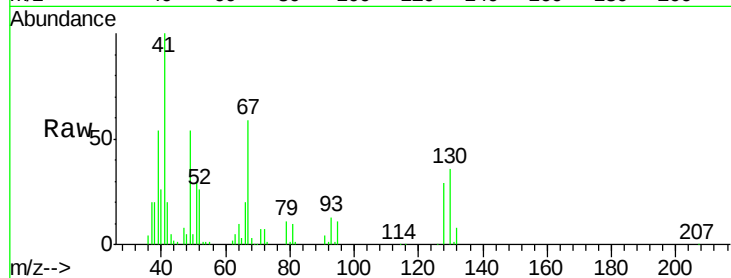




#41
Methacrylonitrile
Concen: 50.641 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

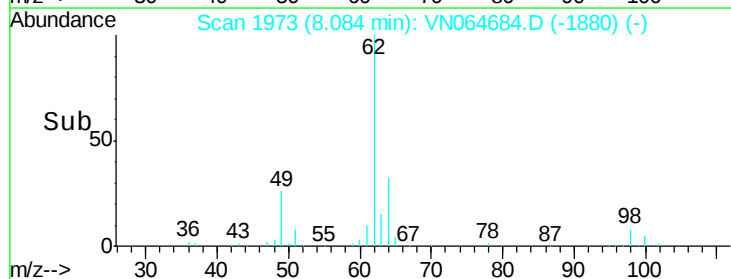
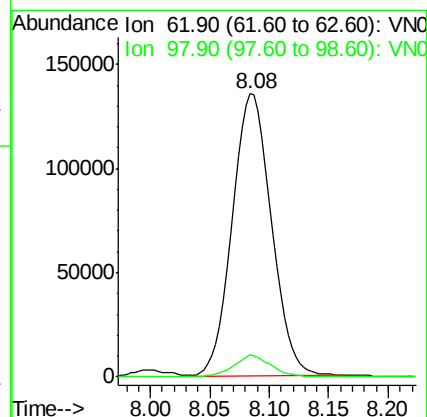
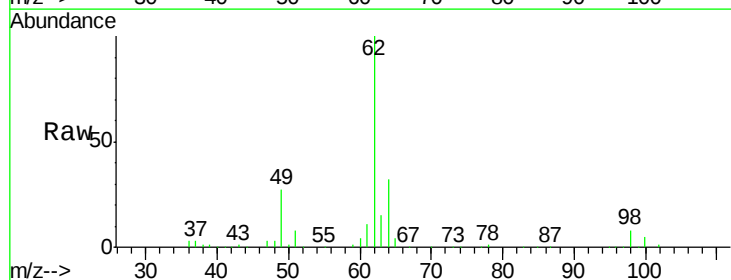
Instrument :
MSVOA_N
ClientSampled :
MW-4MS

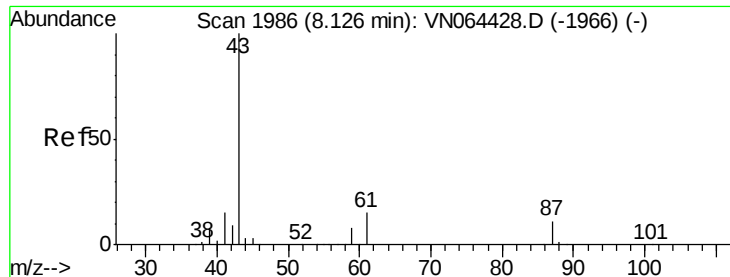
Tot Ion:	41	Resp:	120296
Ion	Ratio	Lower	Upper
41	100		
39	56.7	50.0	75.0
67	74.2	68.3	102.5
52	34.0	32.7	49.1



#42
1,2-Dichloroethane
Concen: 48.697 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion:	62	Resp:	309414
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	14.0





#43

Isopropyl Acetate

Concen: 49.019 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

MW-4MS

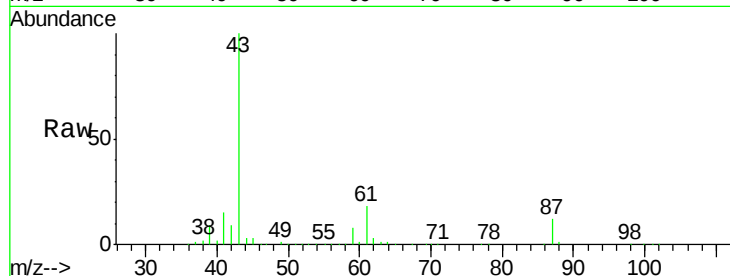
Tot Ion: 43 Resp: 425638

Ion Ratio Lower Upper

43 100

61 18.1 14.0 21.0

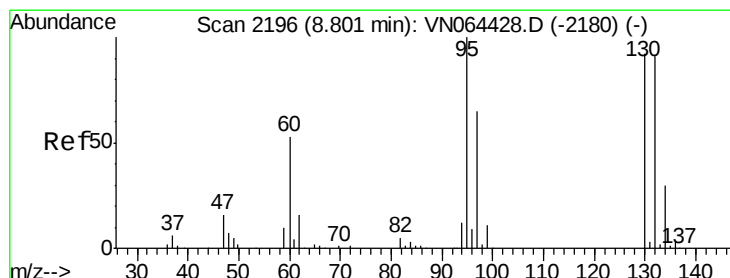
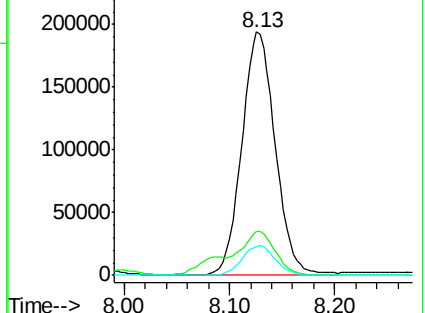
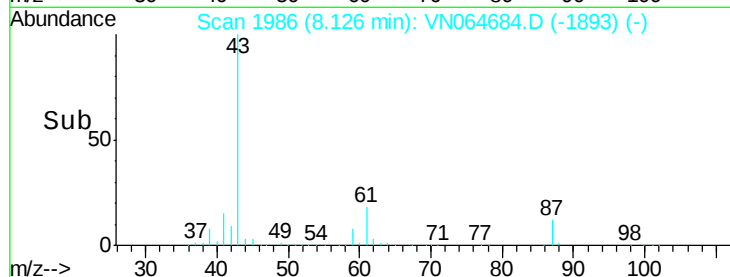
87 12.3 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064684.D (-1893) (-)

Ion 61.00 (60.70 to 61.70): VN064684.D (-1893) (-)

Ion 87.00 (86.70 to 87.70): VN064684.D (-1893) (-)



#44

Trichloroethene

Concen: 48.180 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064684.D

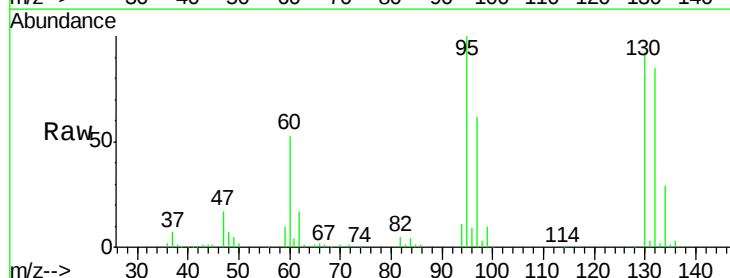
Acq: 17 Nov 2020 16:43

Tgt Ion:130 Resp: 191389

Ion Ratio Lower Upper

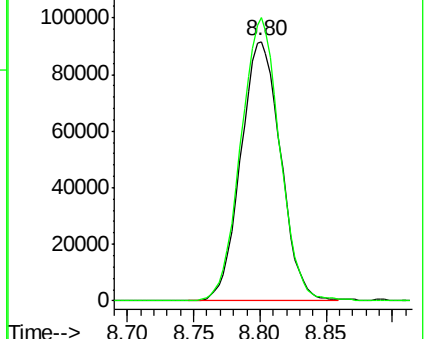
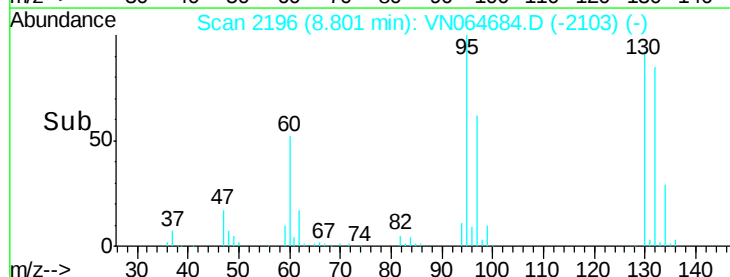
130 100

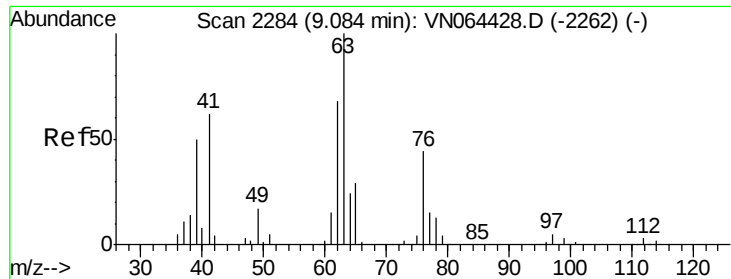
95 109.1 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN064684.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN064684.D (-2103) (-)

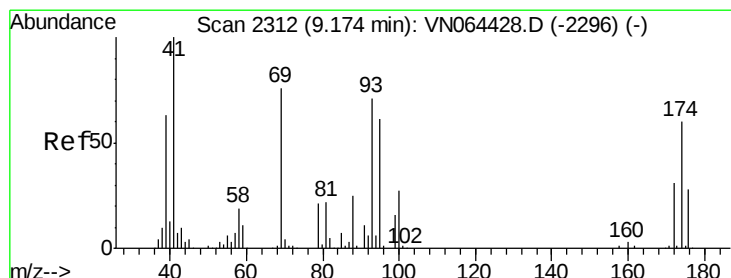
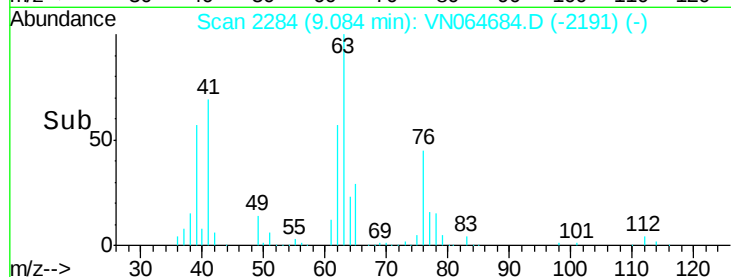
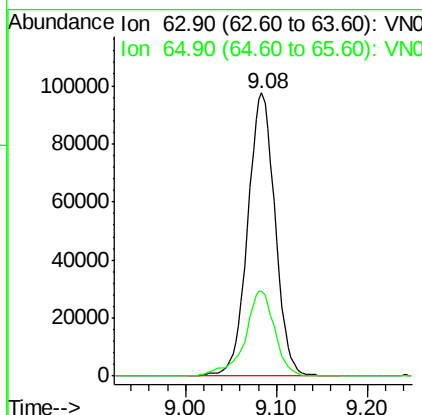
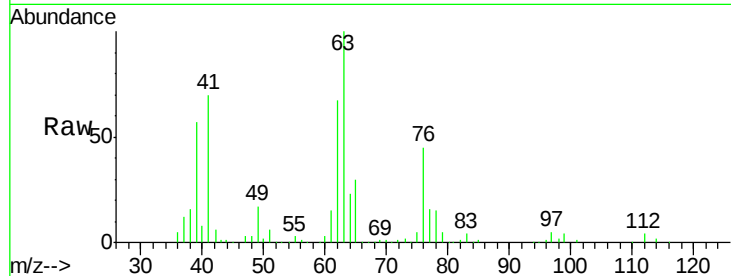




#45
 1,2-Dichloropropane
 Concen: 48.456 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064684.D
 Acq: 17 Nov 2020 16:43

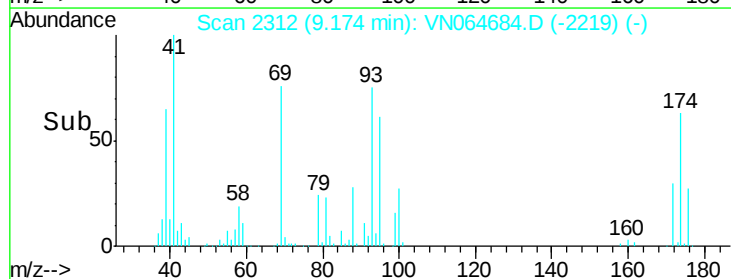
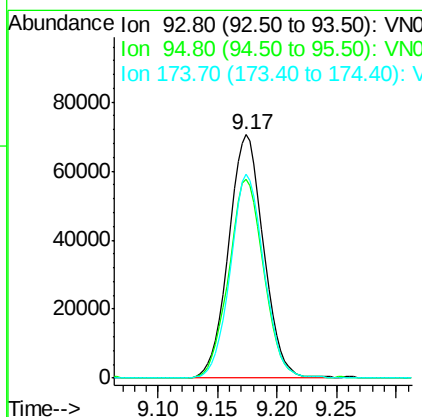
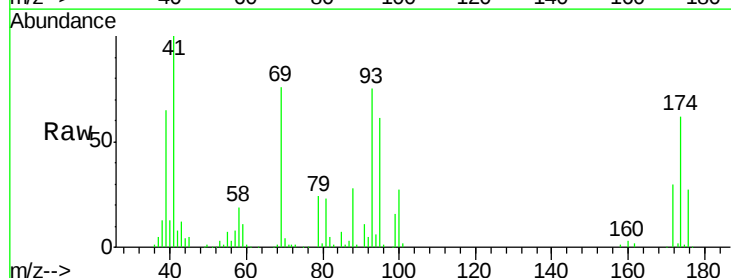
Instrument :
 MSVOA_N
 ClientSampled :
 MW-4MS

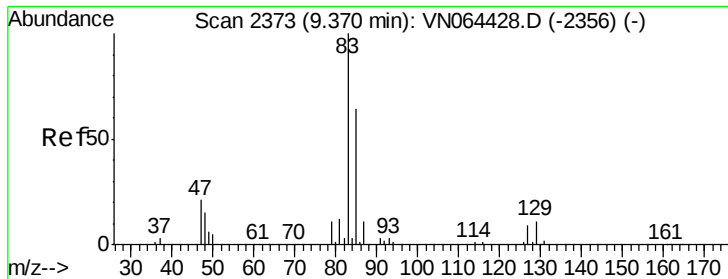
Tot Ion: 63 Resp: 203566
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.6 35.4



#46
 Dibromomethane
 Concen: 51.902 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064684.D
 Acq: 17 Nov 2020 16:43

Tgt Ion: 93 Resp: 143534
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.4 99.6
 174 81.0 67.2 100.8





#47

Bromodichloromethane

Concen: 50.827 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

MW-4MS

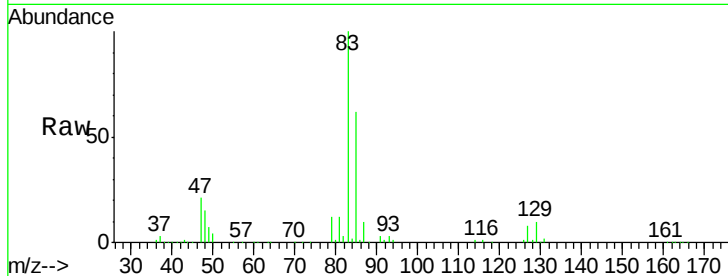
Tot Ion: 83 Resp: 302234

Ion Ratio Lower Upper

83 100

85 62.4 51.2 76.8

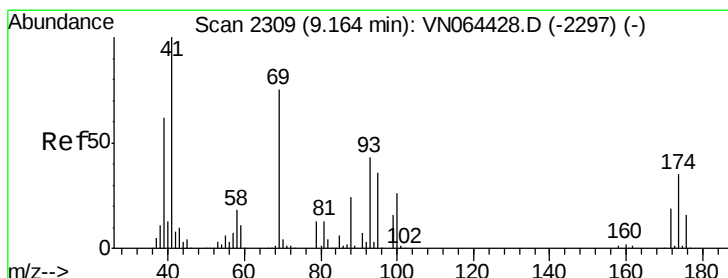
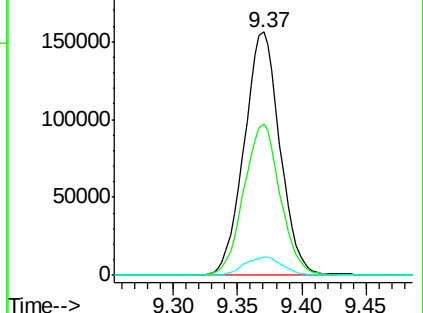
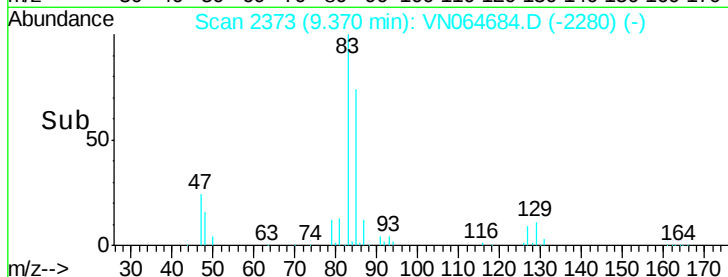
127 7.7 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN064684.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064684.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064684.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.713 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

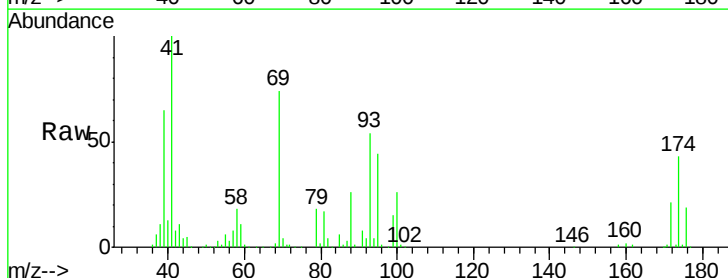
Tgt Ion: 41 Resp: 217819

Ion Ratio Lower Upper

41 100

69 75.6 60.4 90.6

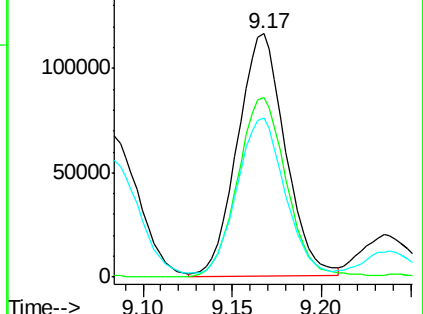
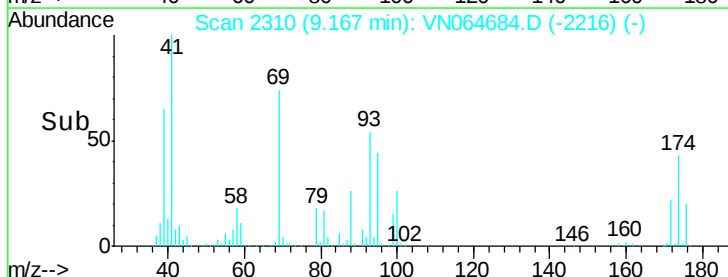
39 65.9 51.2 76.8

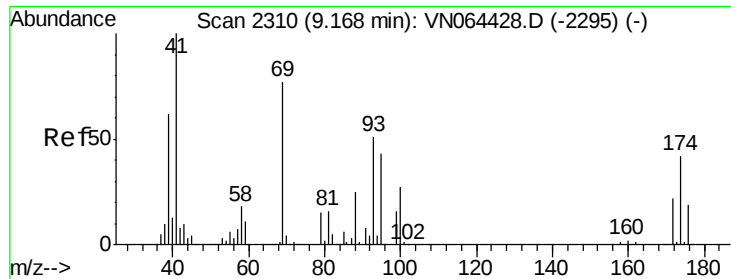


Abundance Ion 41.00 (40.70 to 41.70): VN064684.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064684.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064684.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1087.521 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

MW-4MS

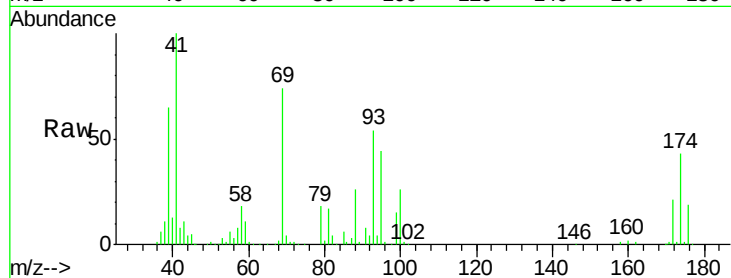
Tot Ion: 88 Resp: 62762

Ion Ratio Lower Upper

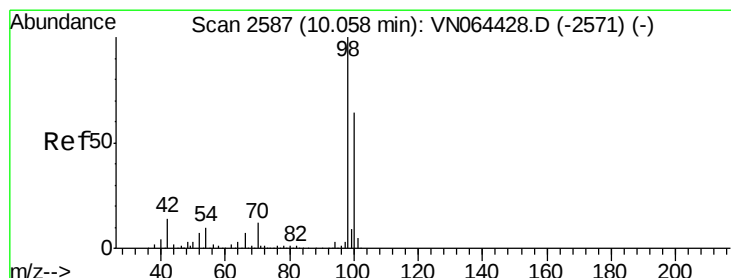
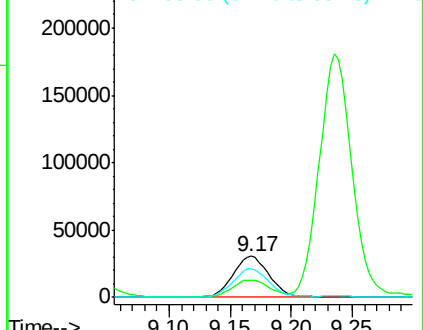
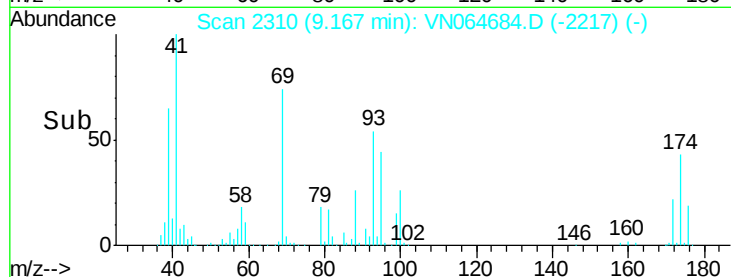
88 100

43 39.9 31.0 46.6

58 70.8 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN064684.D (-2217) (-)



#50

Toluene-d8

Concen: 48.379 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064684.D

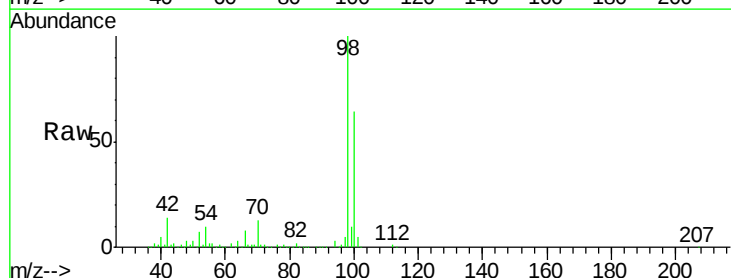
Acq: 17 Nov 2020 16:43

Tgt Ion: 98 Resp: 645698

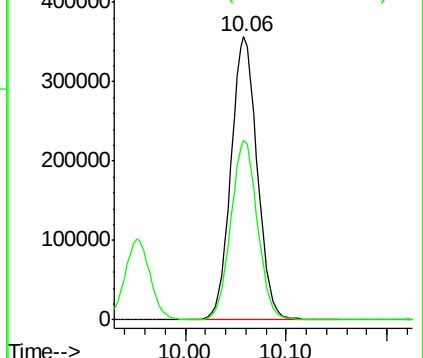
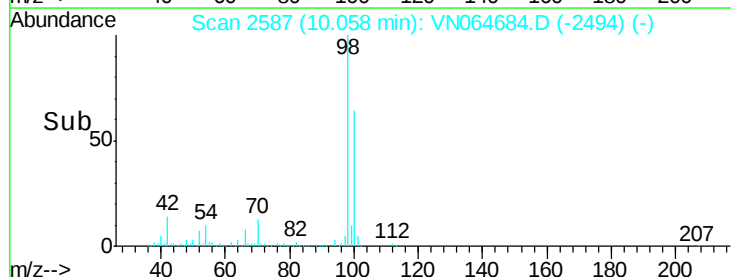
Ion Ratio Lower Upper

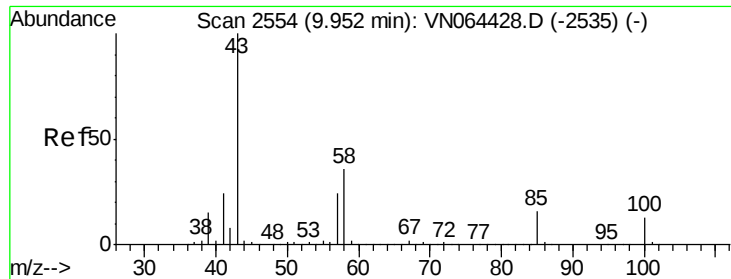
98 100

100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064684.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 268.285 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

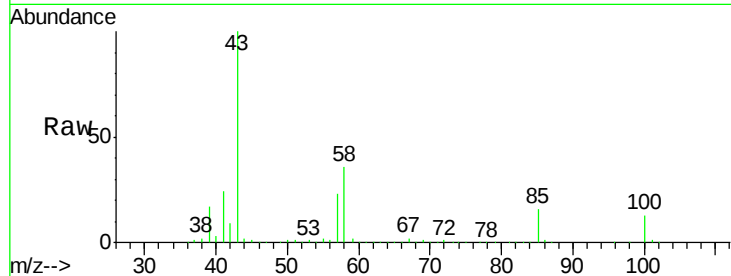
MW-4MS

Tot Ion: 43 Resp: 1358529

Ion Ratio Lower Upper

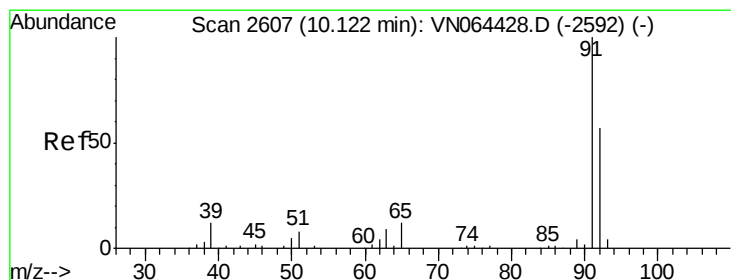
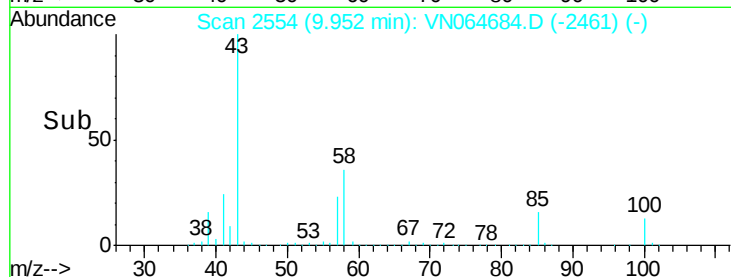
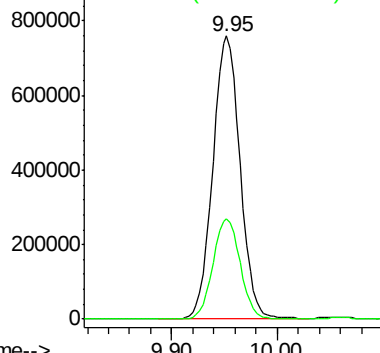
43 100

58 35.7 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.581 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064684.D

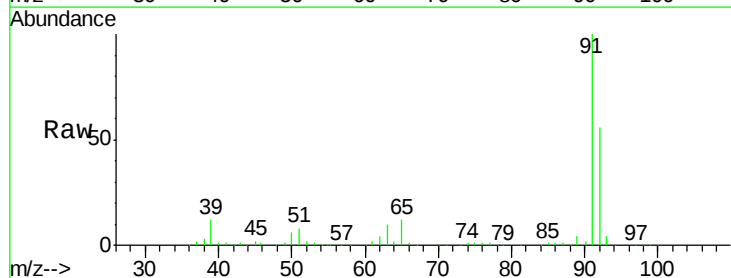
Acq: 17 Nov 2020 16:43

Tgt Ion: 92 Resp: 476121

Ion Ratio Lower Upper

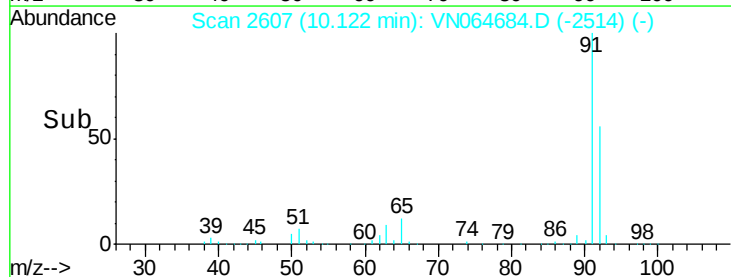
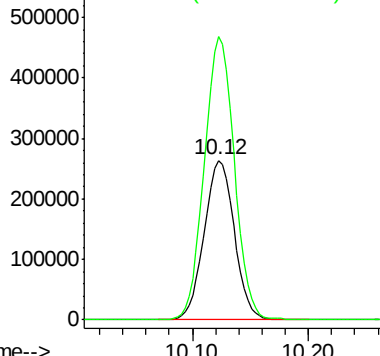
92 100

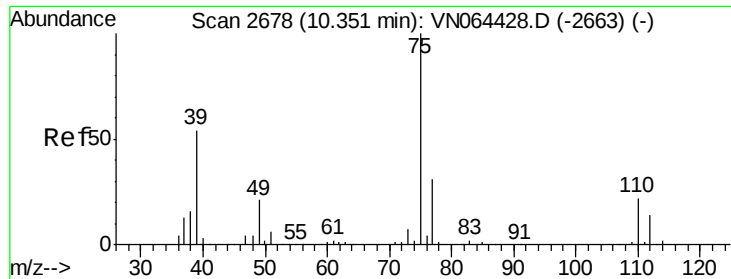
91 176.9 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 50.966 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

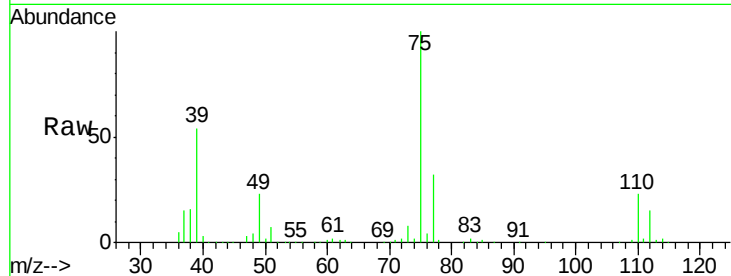
MW-4MS

Tot Ion: 75 Resp: 321300

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

200000

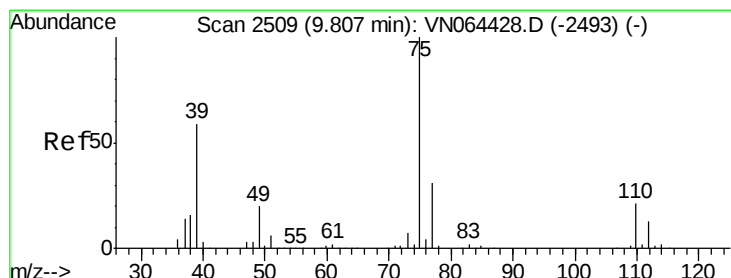
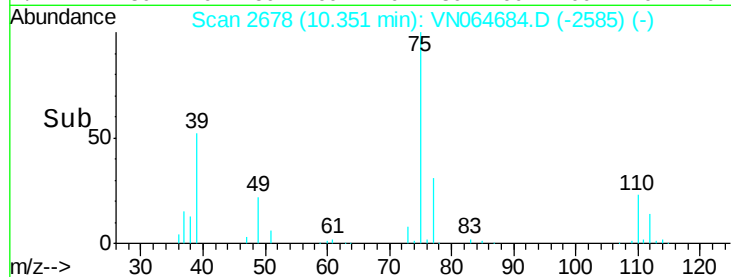
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.245 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

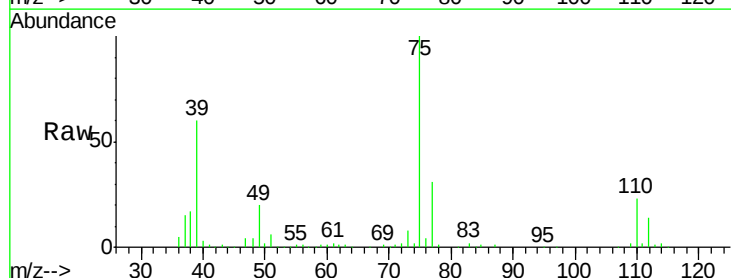
Tgt Ion: 75 Resp: 325185

Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3

39 59.9 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

9.81

200000

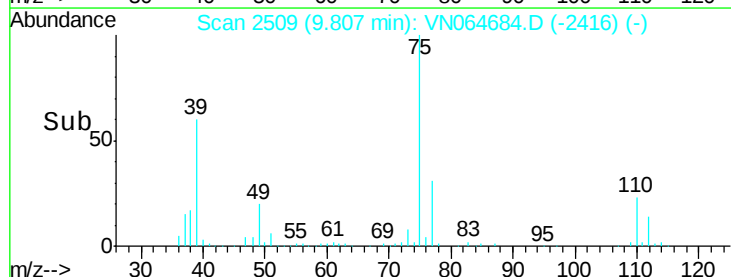
150000

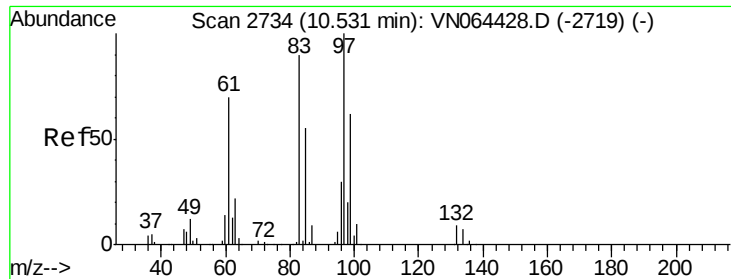
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 53.328 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

MW-4MS

Tot Ion: 97 Resp: 199718

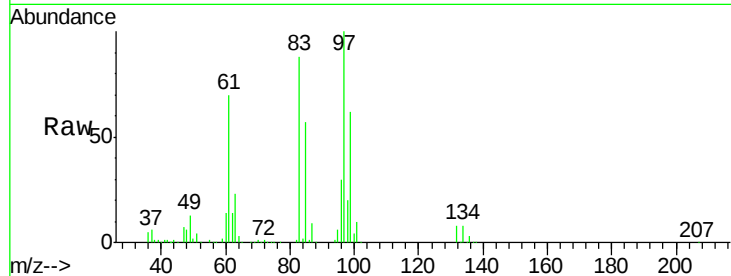
Ion Ratio Lower Upper

97 100

83 87.6 71.7 107.5

85 57.4 44.3 66.5

99 62.0 49.4 74.2

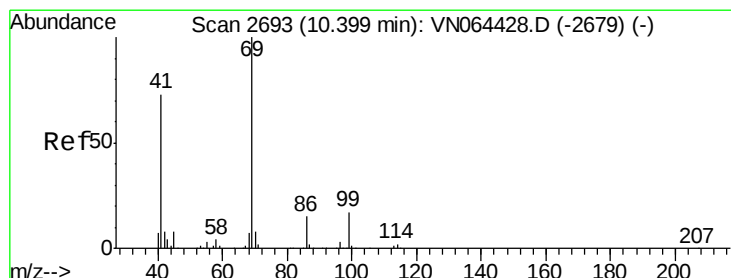
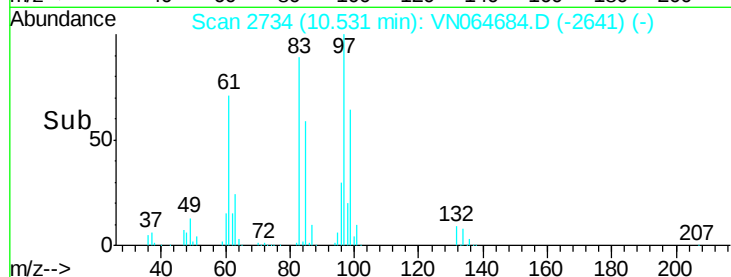
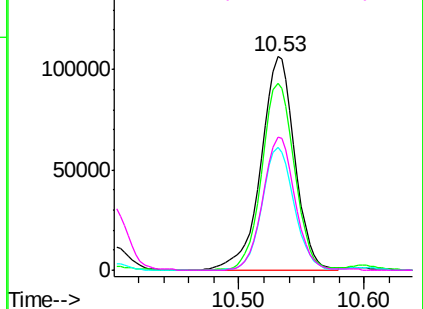


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 47.000 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

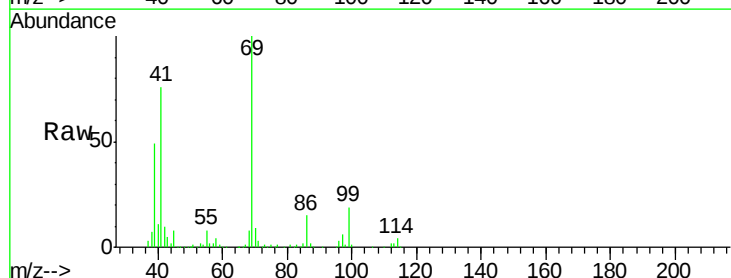
Tgt Ion: 69 Resp: 288895

Ion Ratio Lower Upper

69 100

41 74.3 59.3 88.9

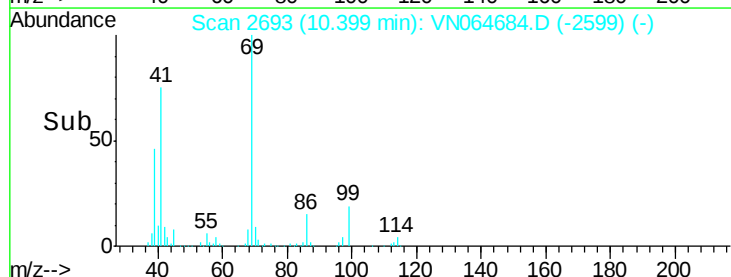
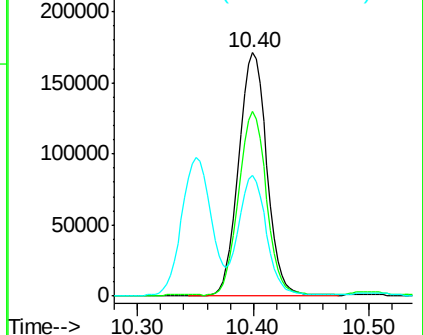
39 47.4 35.4 53.0

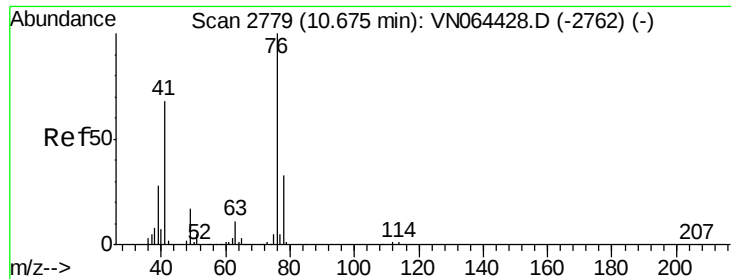


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.454 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

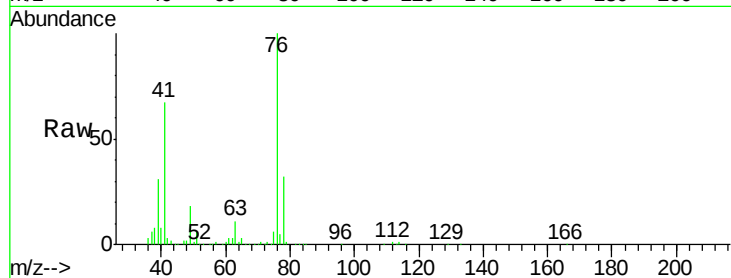
MW-4MS

Tot Ion: 76 Resp: 329811

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

200000

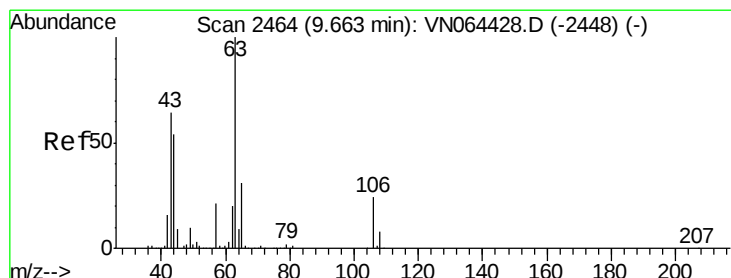
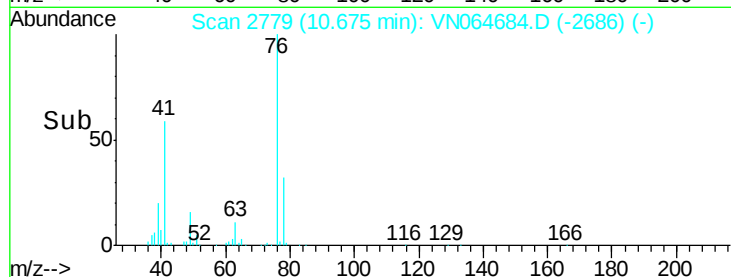
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 21.569 ug/l

RT: 9.67 min Scan# 2467

Delta R.T. 0.01 min

Lab File: VN064684.D

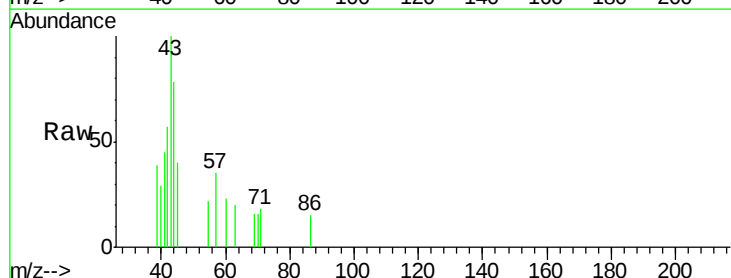
Acq: 17 Nov 2020 16:43

Tgt Ion: 63 Resp: 99

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.67

200

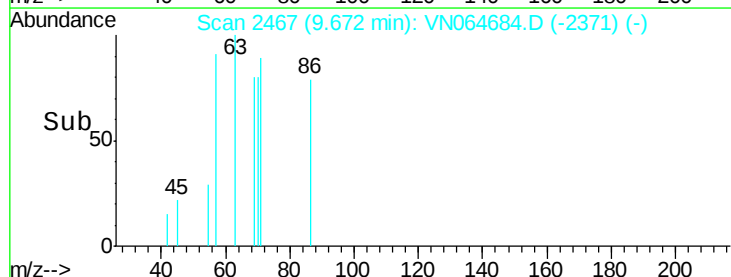
150

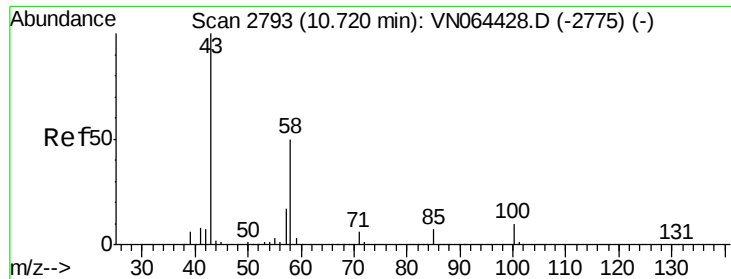
100

50

0

Time--> 9.66 9.67 9.68

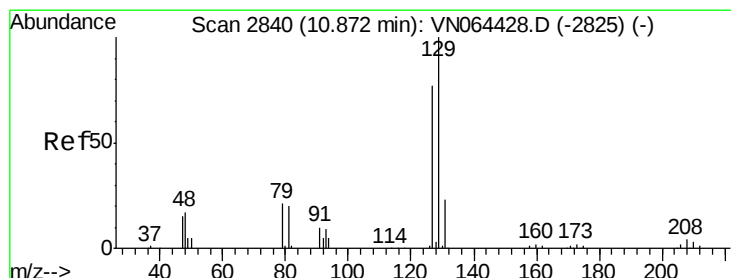
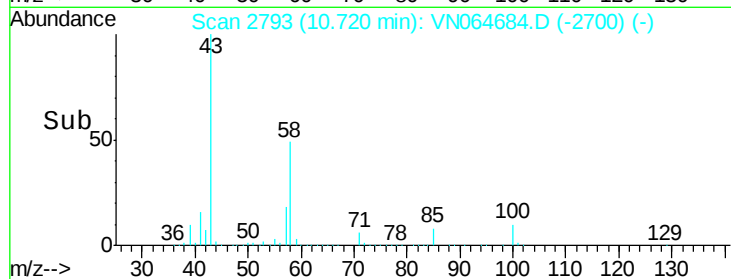
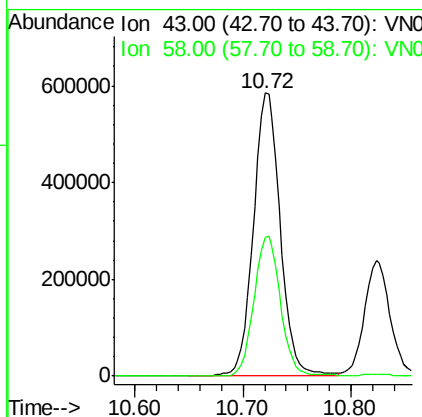
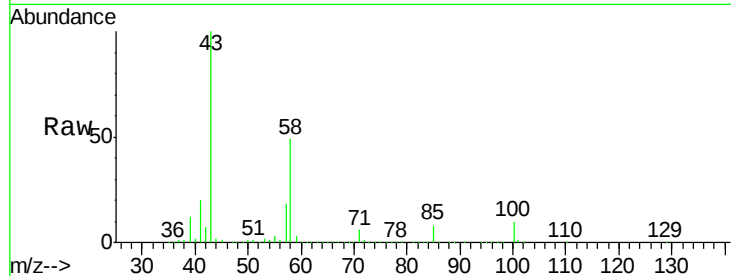




#59
2-Hexanone
Concen: 244.425 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

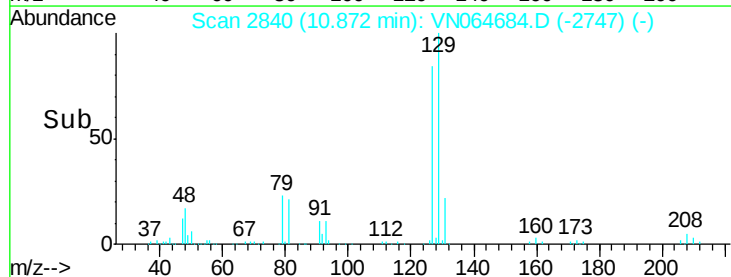
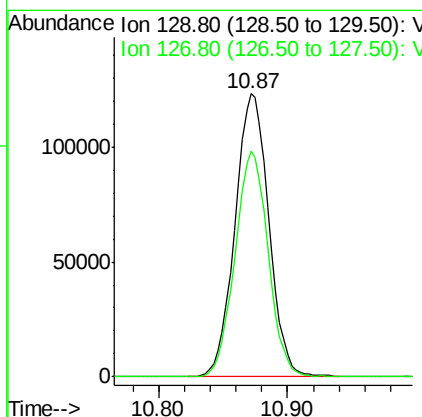
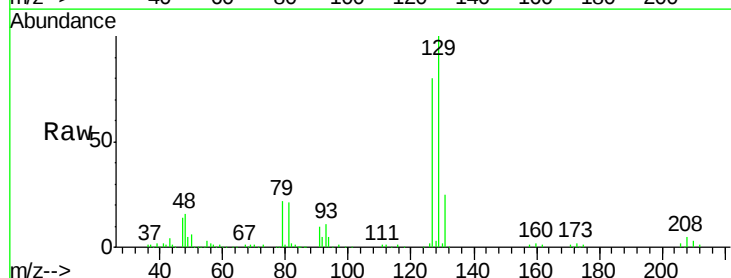
Instrument :
MSVOA_N
ClientSampled :
MW-4MS

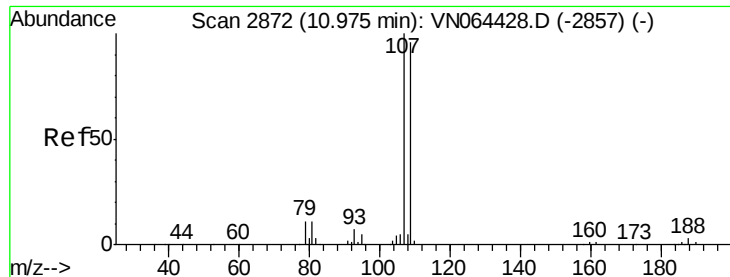
Tot Ion: 43 Resp: 1008901
Ion Ratio Lower Upper
43 100
58 49.0 24.7 74.1



#60
Dibromochloromethane
Concen: 53.519 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion: 129 Resp: 224405
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7

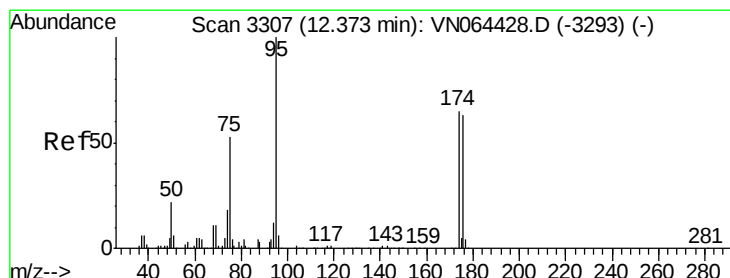
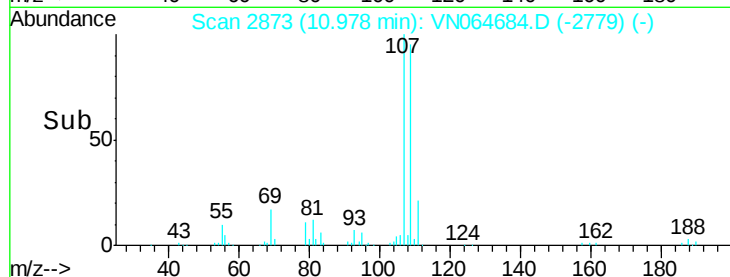
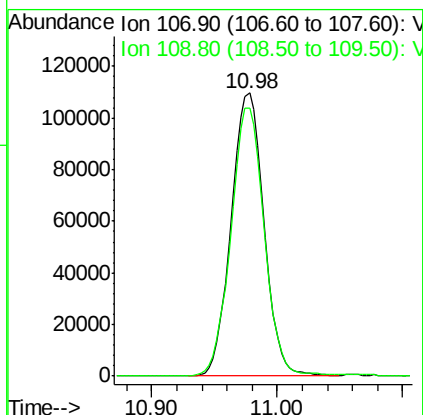
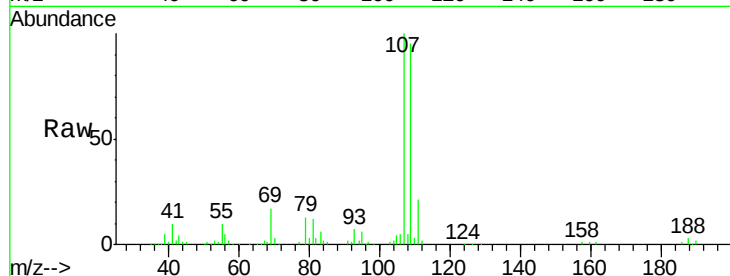




#61
 1,2-Dibromoethane
 Concen: 52.548 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064684.D
 Acq: 17 Nov 2020 16:43

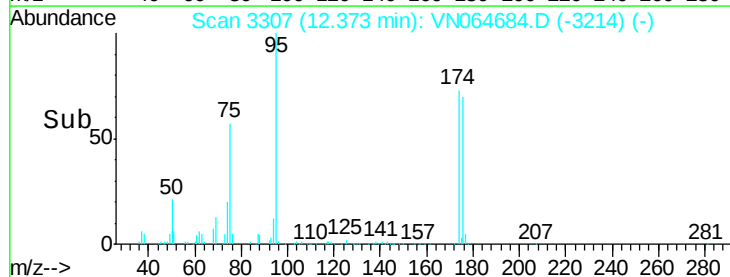
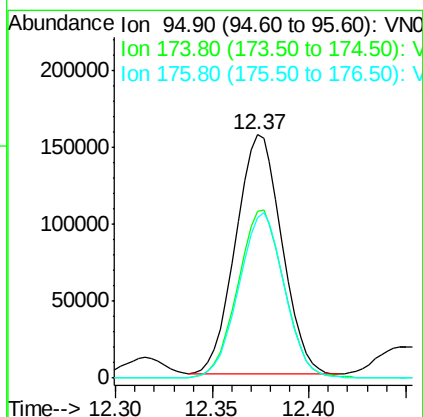
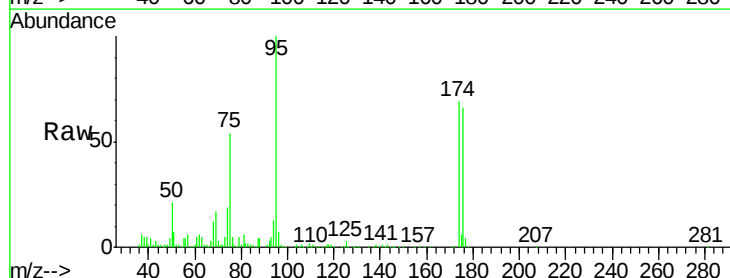
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4MS

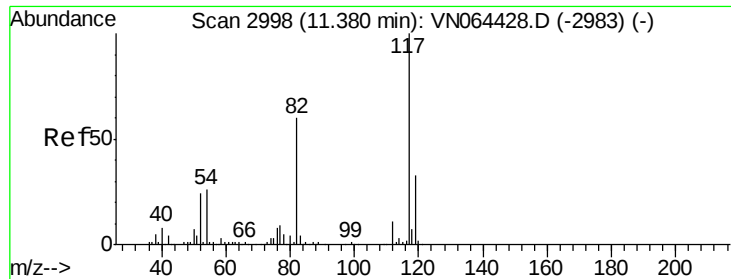
Tot Ion:107 Resp: 199614
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 51.158 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064684.D
 Acq: 17 Nov 2020 16:43

Tgt Ion: 95 Resp: 258221
 Ion Ratio Lower Upper
 95 100
 174 70.6 0.0 132.6
 176 68.6 0.0 129.2

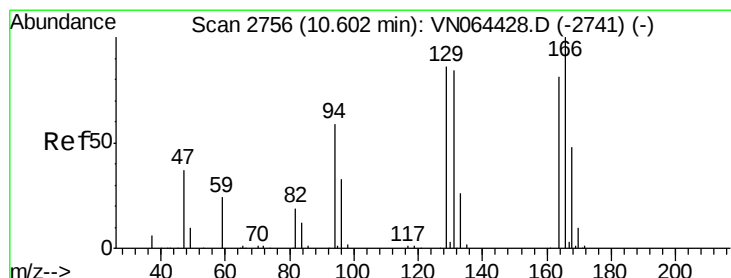
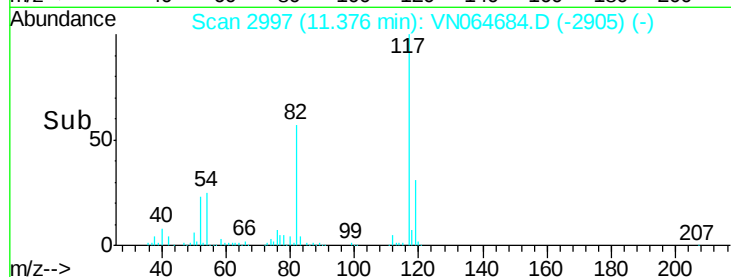
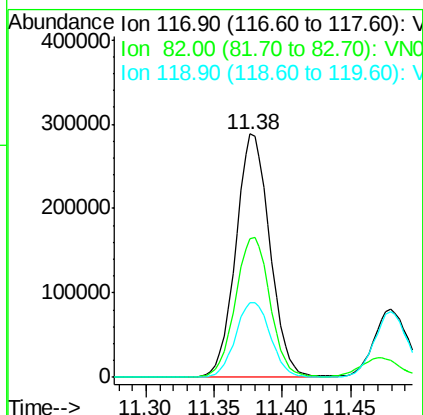
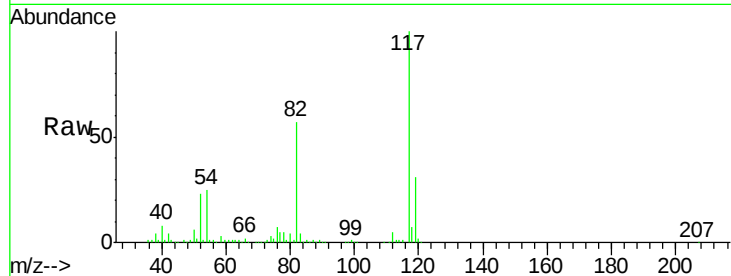




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

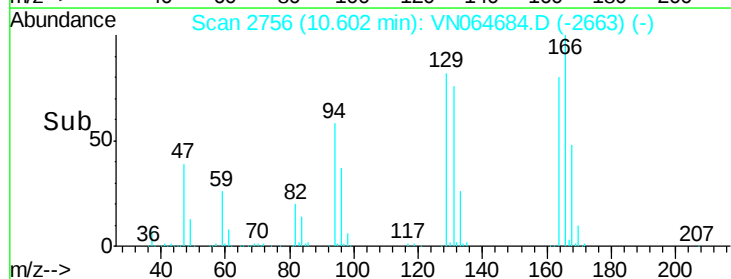
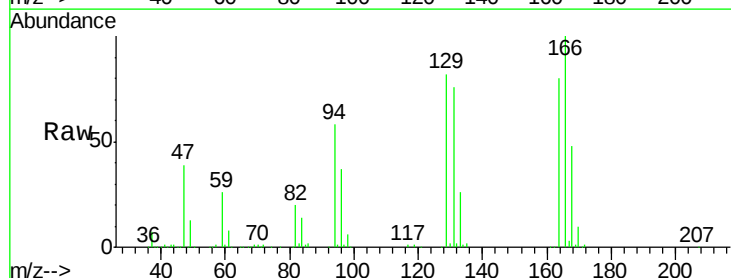
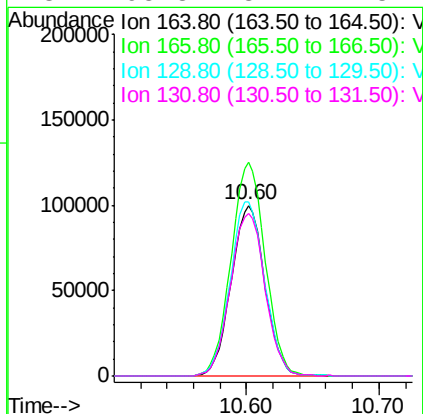
Instrument :
MSVOA_N
ClientSampleId :
MW-4MS

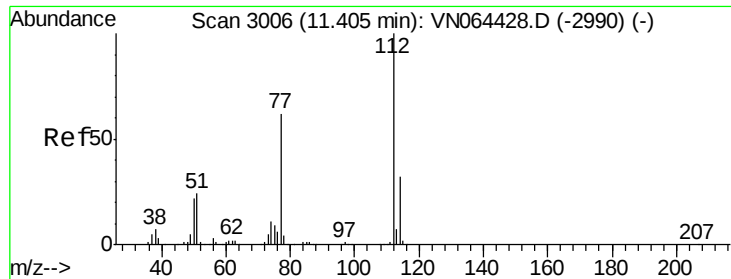
Tot Ion:117 Resp: 501099
Ion Ratio Lower Upper
117 100
82 56.9 48.1 72.1
119 30.6 26.2 39.4



#64
Tetrachloroethene
Concen: 45.506 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion:164 Resp: 175651
Ion Ratio Lower Upper
164 100
166 125.4 98.2 147.2
129 102.4 84.6 127.0
131 95.8 82.2 123.2





#65

Chlorobenzene

Concen: 47.393 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

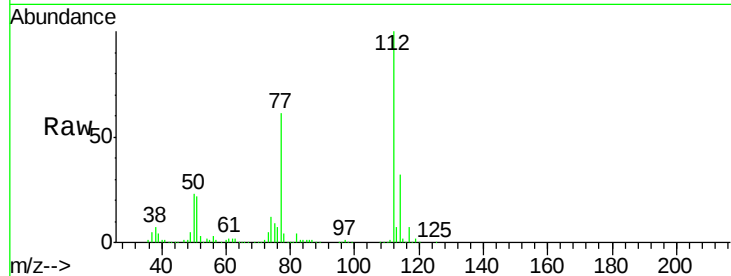
MW-4MS

Tot Ion:112 Resp: 520620

Ion Ratio Lower Upper

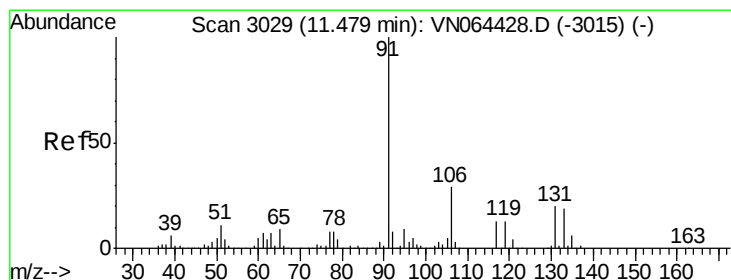
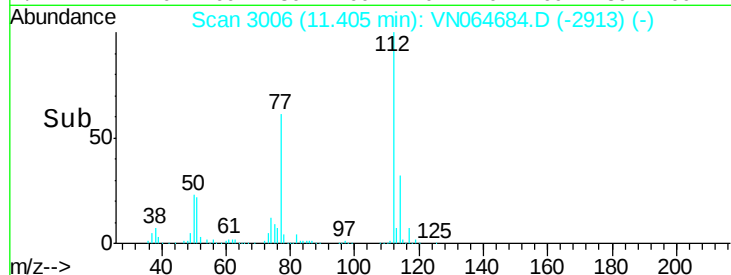
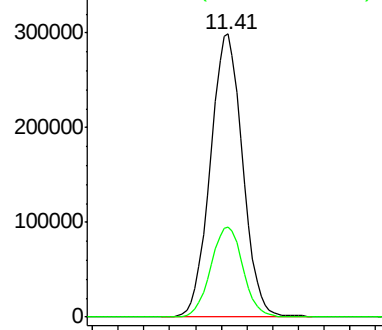
112 100

114 32.0 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.921 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

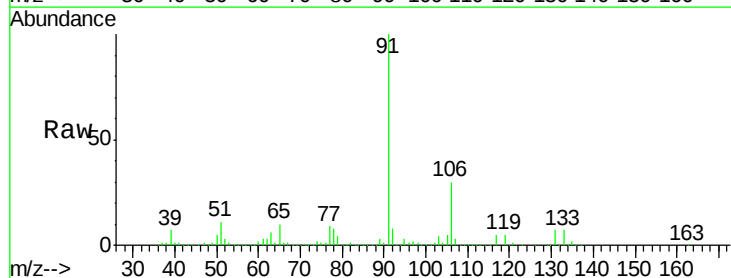
Tgt Ion:131 Resp: 204583

Ion Ratio Lower Upper

131 100

133 95.2 46.9 140.7

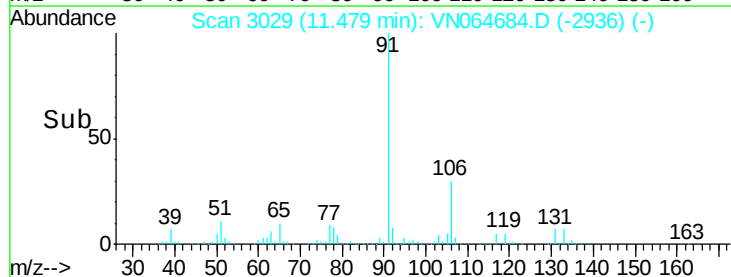
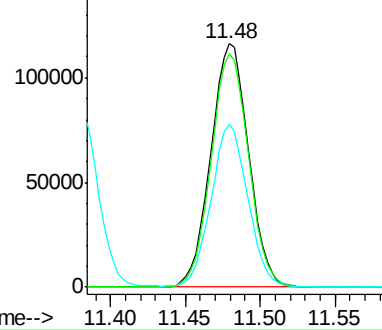
119 65.0 32.1 96.5

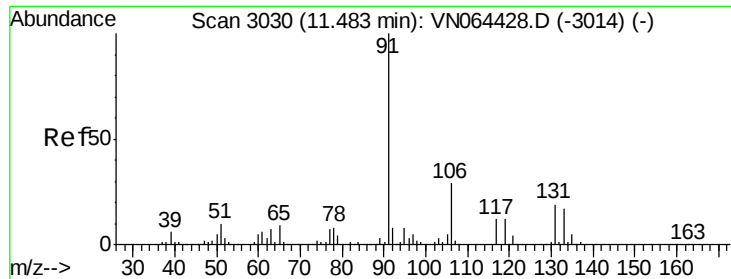


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

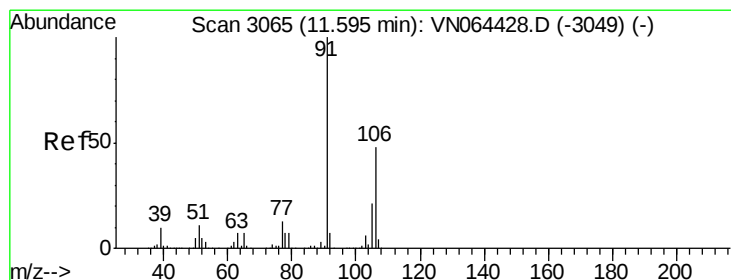
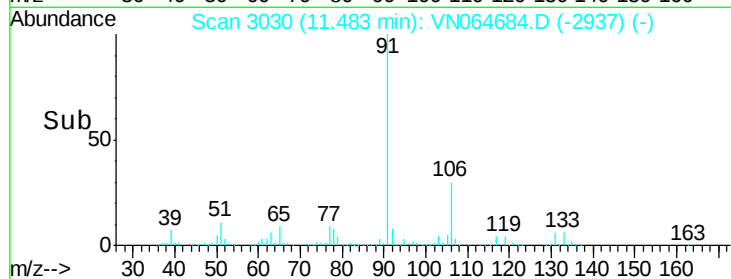
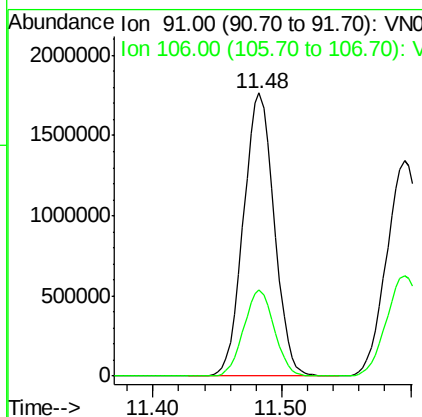
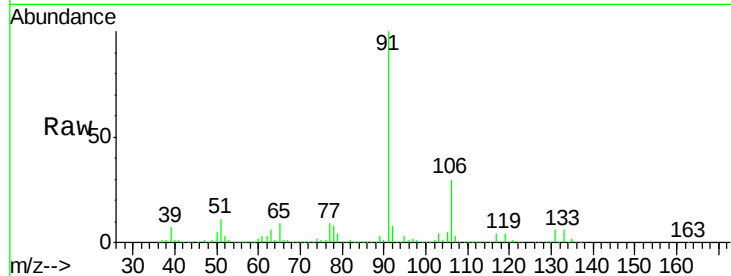




#67
Ethyl Benzene
Concen: 150.002 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

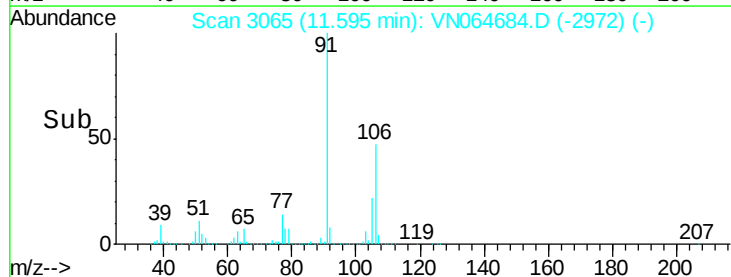
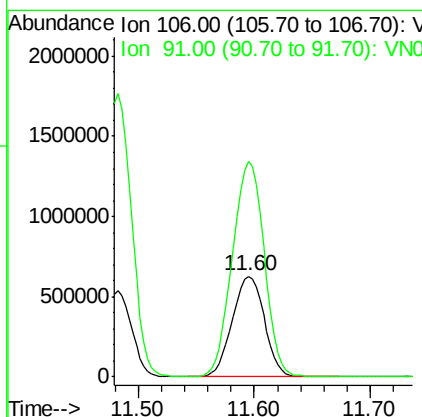
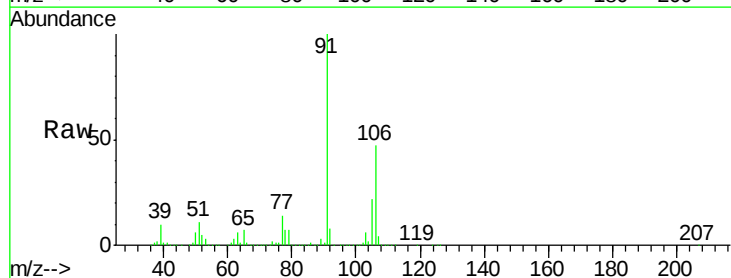
Instrument :
MSVOA_N
ClientSampleId :
MW-4MS

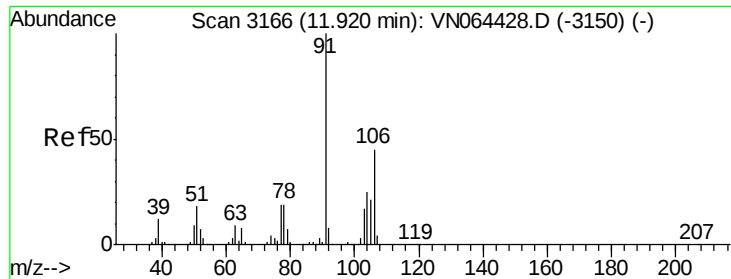
Tot Ion: 91 Resp: 2931004
Ion Ratio Lower Upper
91 100
106 30.4 23.6 35.4



#68
m/p-Xylenes
Concen: 169.284 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion: 106 Resp: 1199603
Ion Ratio Lower Upper
106 100
91 213.8 169.4 254.2

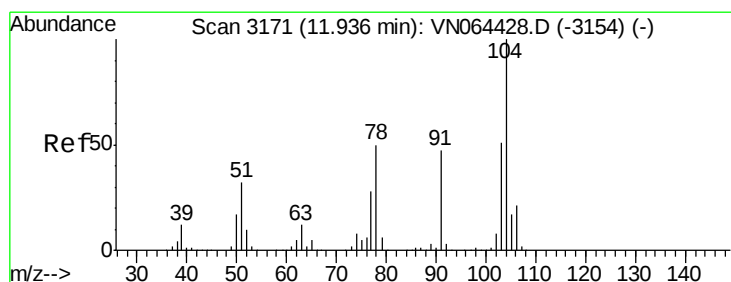
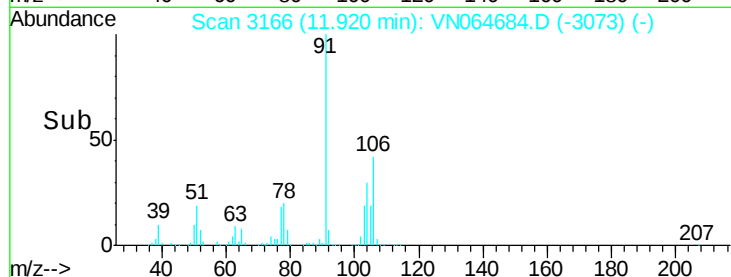
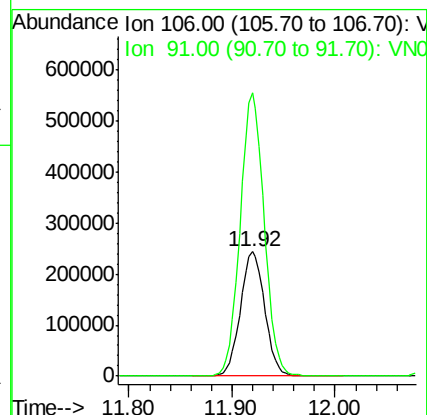
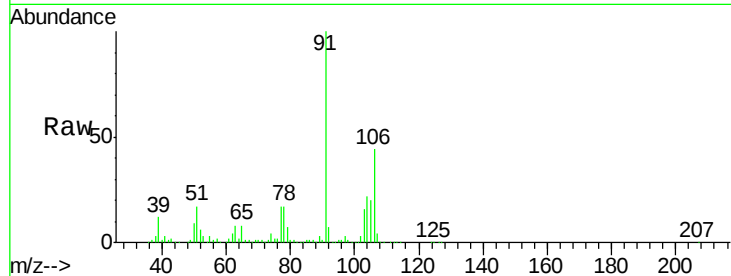




#69
o-Xylene
Concen: 58.459 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

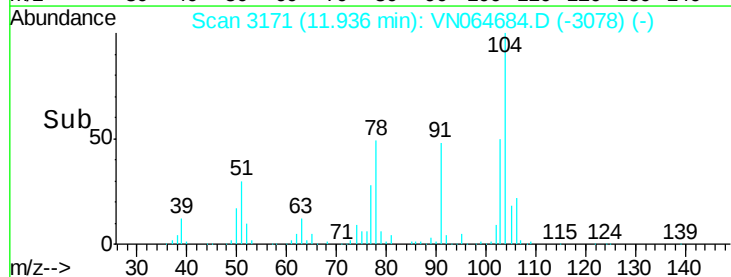
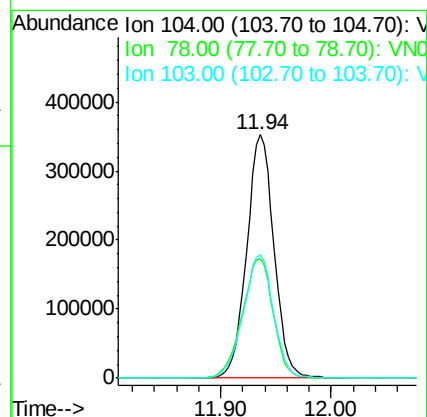
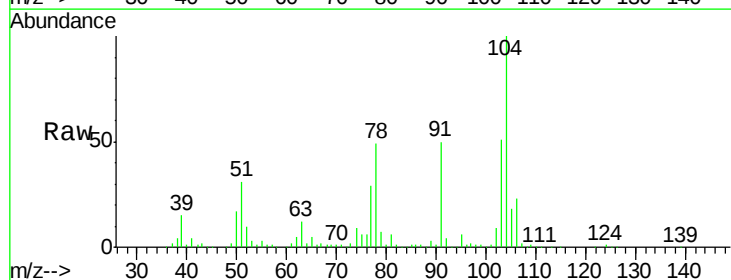
Instrument :
MSVOA_N
ClientSampleId :
MW-4MS

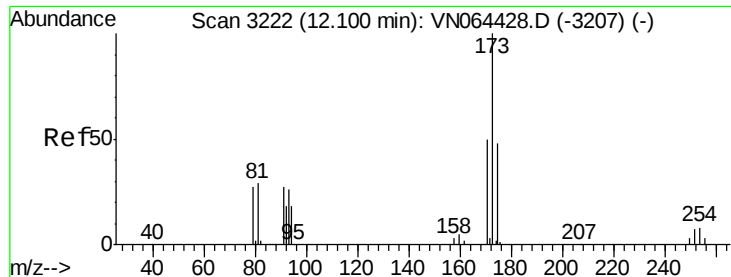
Tot Ion:106 Resp: 400308
Ion Ratio Lower Upper
106 100
91 225.0 111.7 334.9



#70
Styrene
Concen: 52.244 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion:104 Resp: 601993
Ion Ratio Lower Upper
104 100
78 55.7 44.0 66.0
103 56.4 43.8 65.6





#71

Bromoform

Concen: 48.042 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampled :

MW-4MS

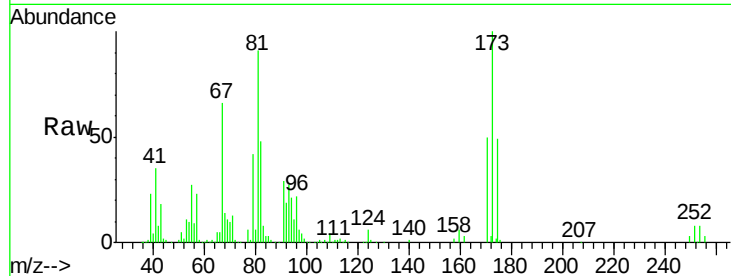
Tot Ion:173 Resp: 147676

Ion Ratio Lower Upper

173 100

175 48.0 23.7 71.1

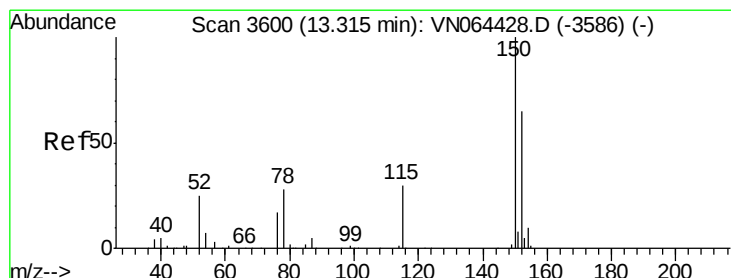
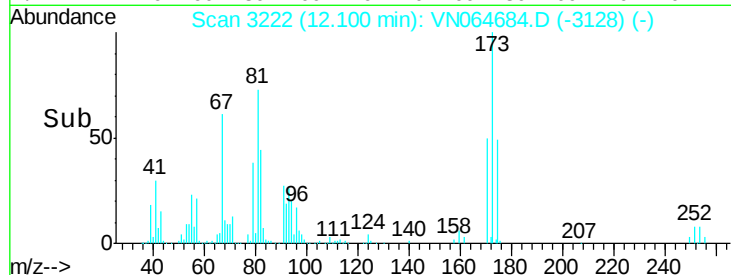
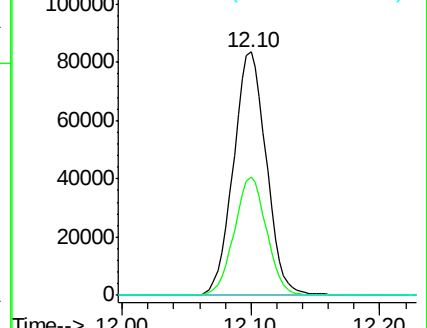
254 0.0 0.0 0.0



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: VN064684.D

Acq: 17 Nov 2020 16:43

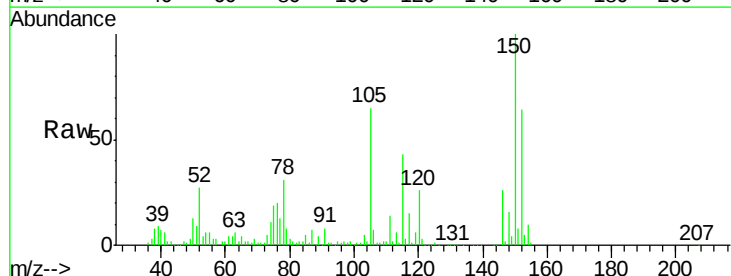
Tgt Ion:152 Resp: 271539

Ion Ratio Lower Upper

152 100

115 0.0 32.0 96.0#

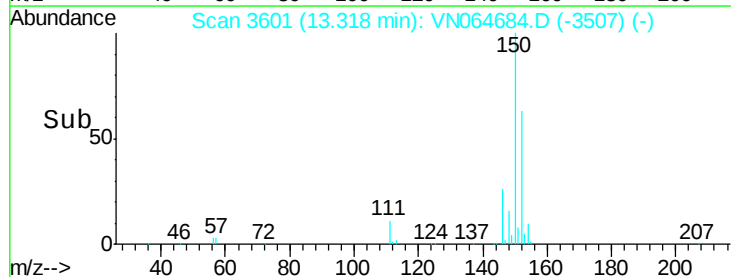
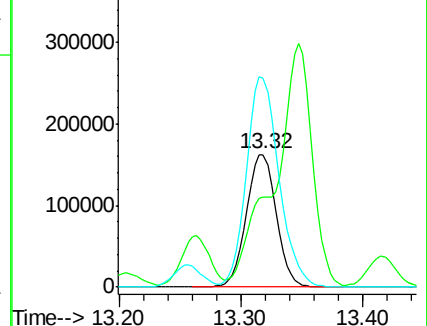
150 174.7 0.0 353.8

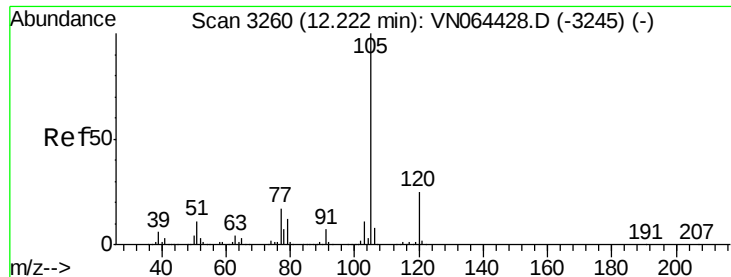


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 159.790 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

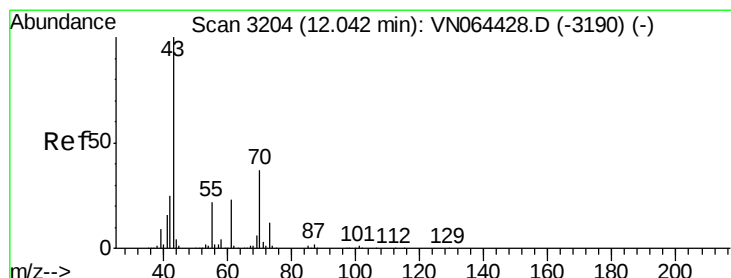
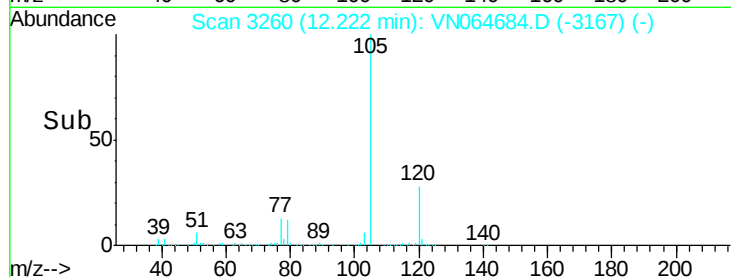
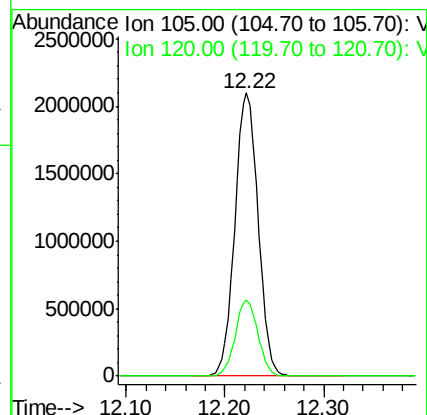
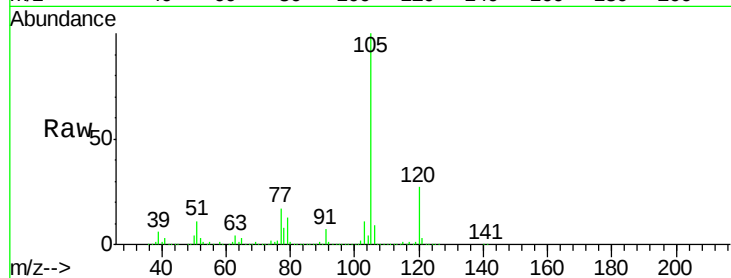
MW-4MS

Tot Ion:105 Resp: 3448702

Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.3



#74

N-ethyl acetate

Concen: 46.358 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Tgt Ion: 43 Resp: 484307

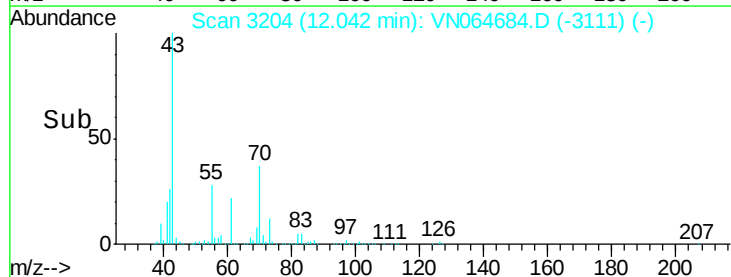
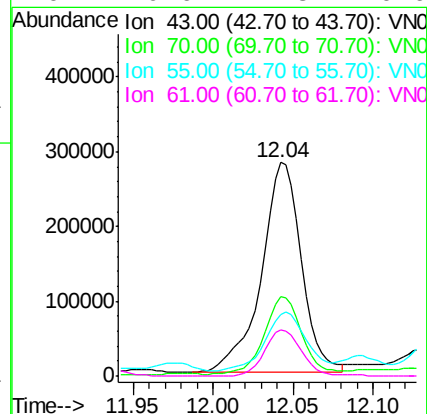
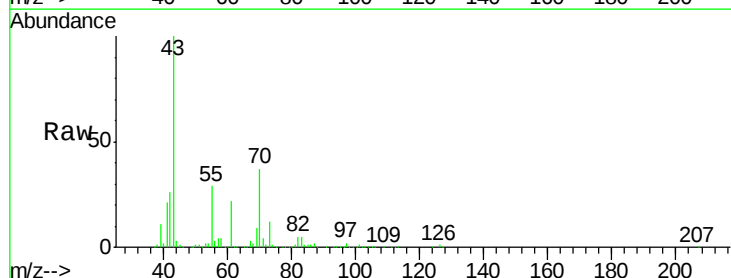
Ion Ratio Lower Upper

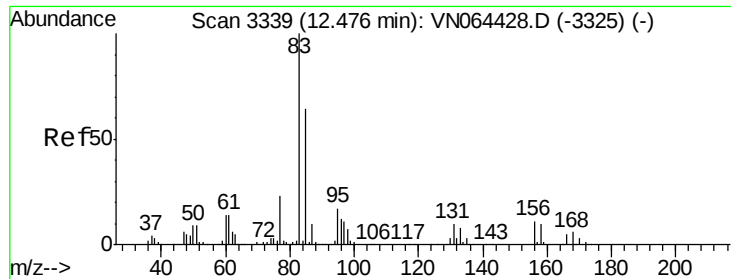
43 100

70 34.7 29.6 44.4

55 31.6 18.4 27.6#

61 20.6 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.429 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

MW-4MS

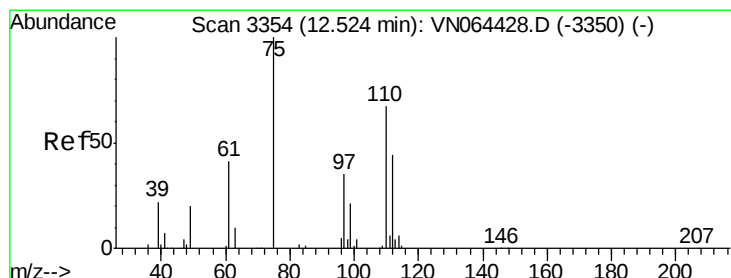
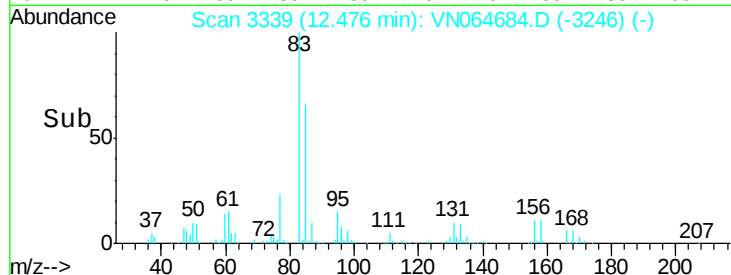
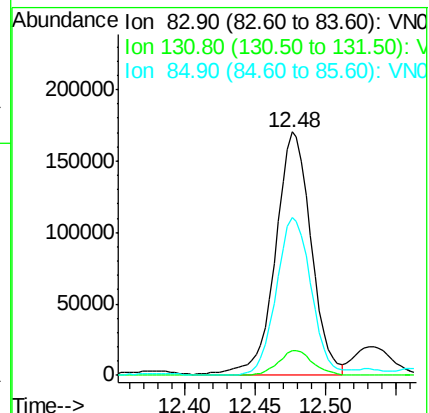
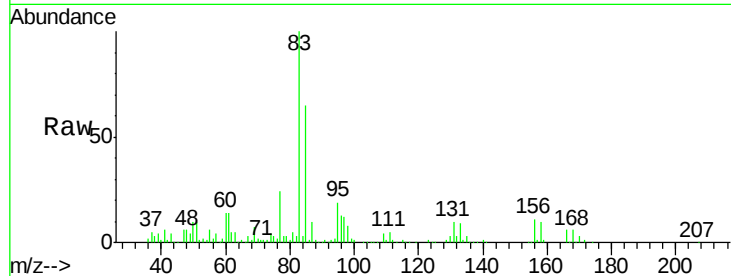
Tot Ion: 83 Resp: 294525

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

85 63.7 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 63.932 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064684.D

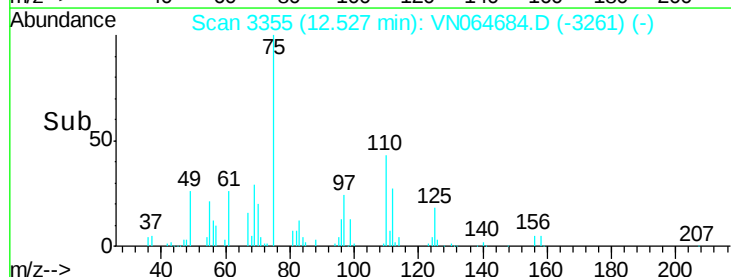
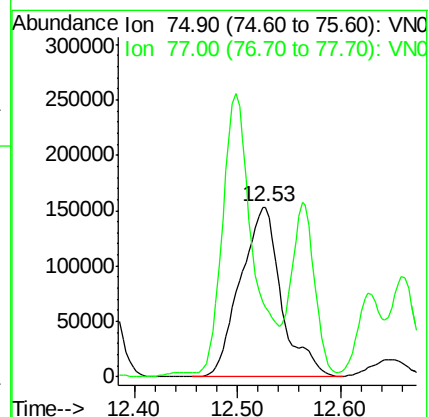
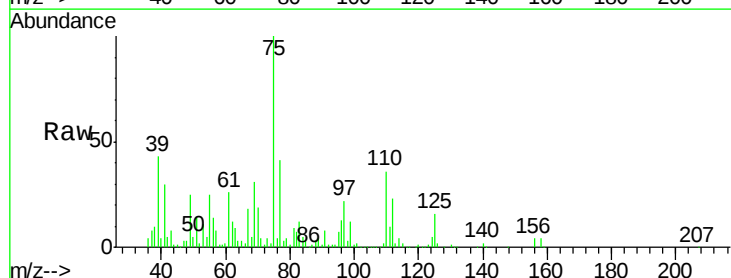
Acq: 17 Nov 2020 16:43

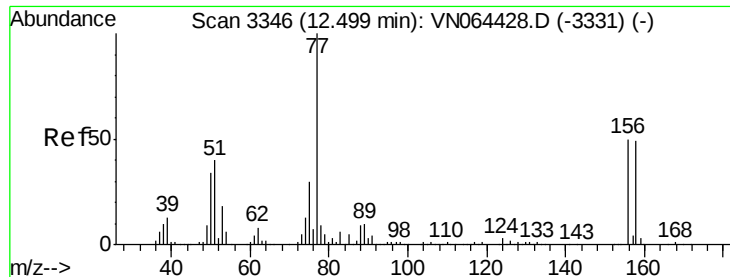
Tgt Ion: 75 Resp: 420620

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 42.475 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

MW-4MS

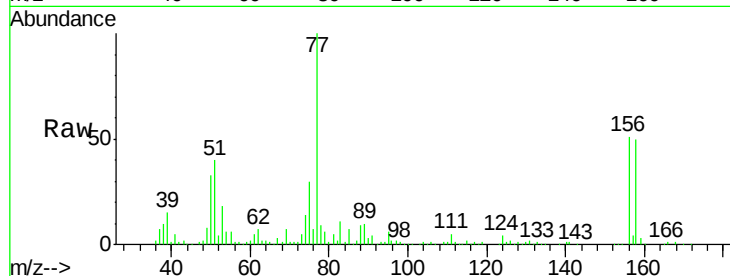
Tot Ion:156 Resp: 223815

Ion Ratio Lower Upper

156 100

77 226.0 119.0 357.0

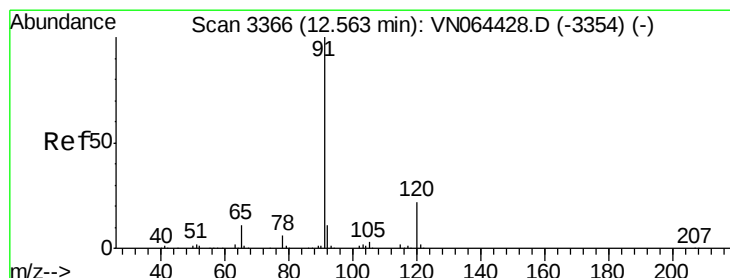
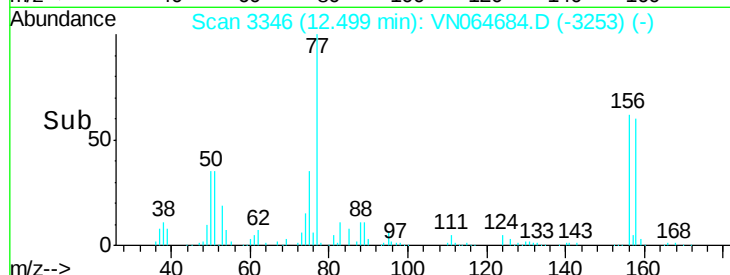
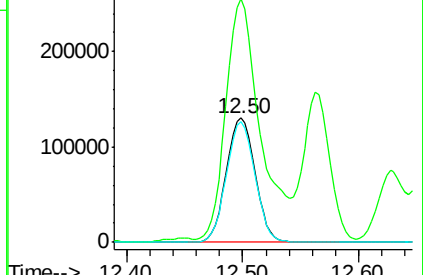
158 96.3 48.4 145.3



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: 213.803 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064684.D

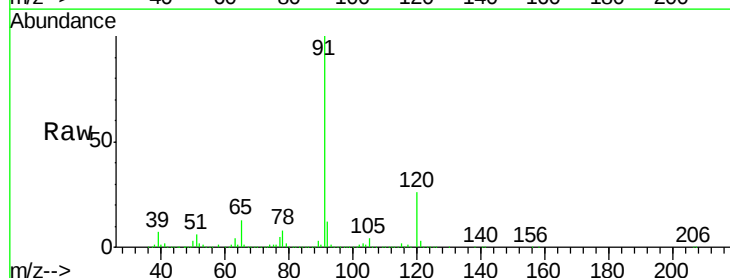
Acq: 17 Nov 2020 16:43

Tgt Ion: 91 Resp: 5260828

Ion Ratio Lower Upper

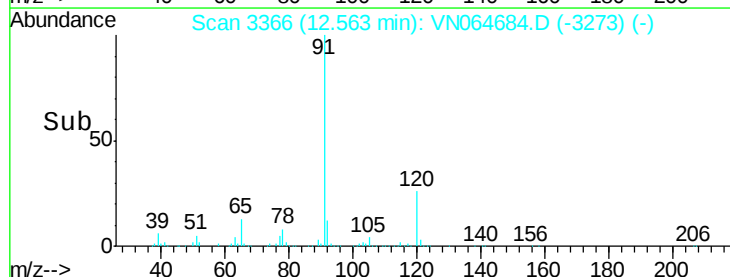
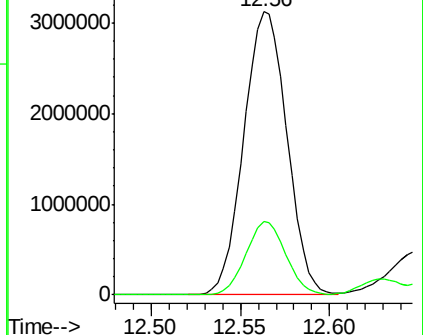
91 100

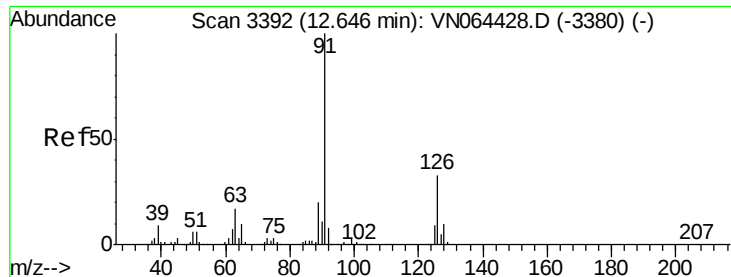
120 24.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 60.798 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

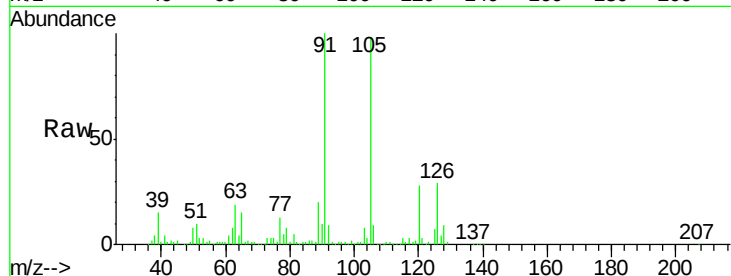
MW-4MS

Tot Ion: 91 Resp: 948833

Ion Ratio Lower Upper

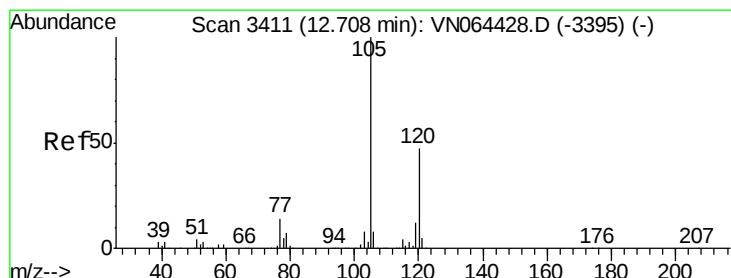
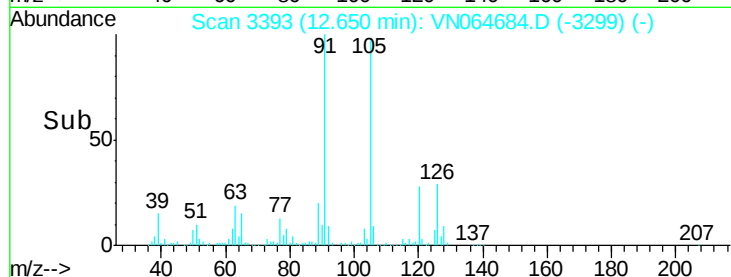
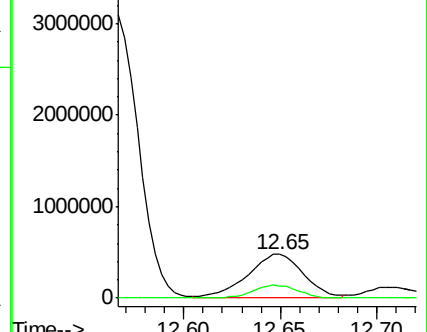
91 100

126 24.7 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064428.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 95.393 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064684.D

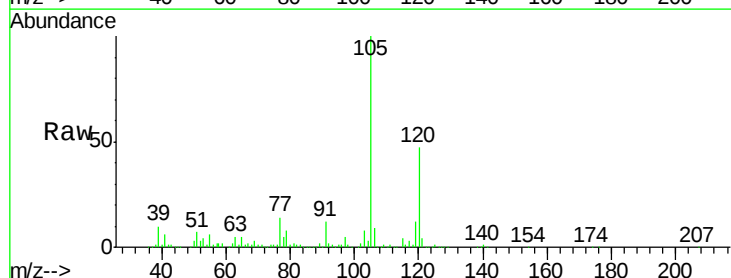
Acq: 17 Nov 2020 16:43

Tgt Ion: 105 Resp: 1698495

Ion Ratio Lower Upper

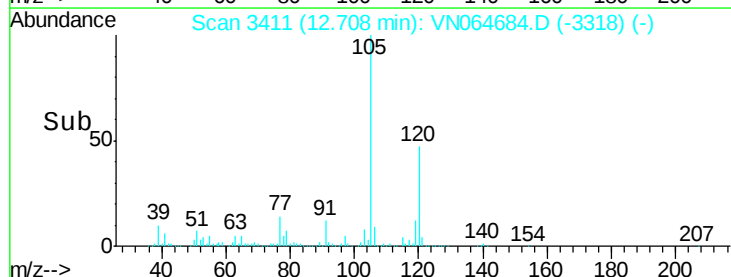
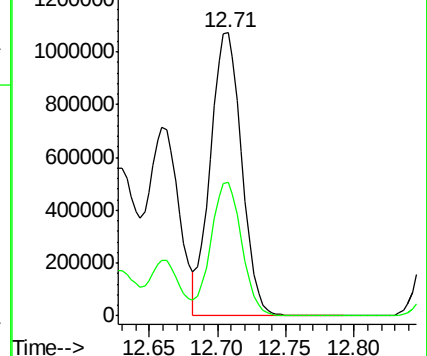
105 100

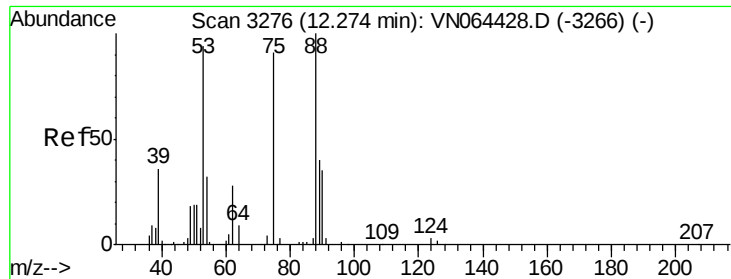
120 46.7 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064428.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN064428.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 42.992 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

MW-4MS

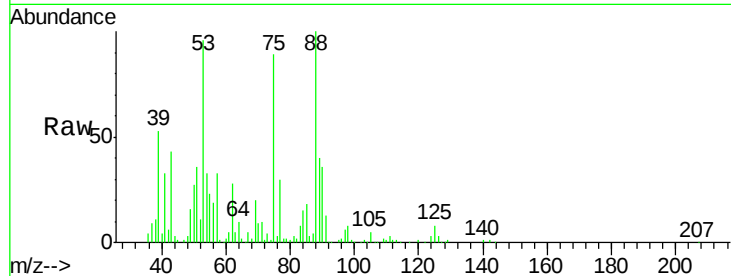
Tot Ion: 75 Resp: 101303

Ion Ratio Lower Upper

75 100

53 113.2 84.0 126.0

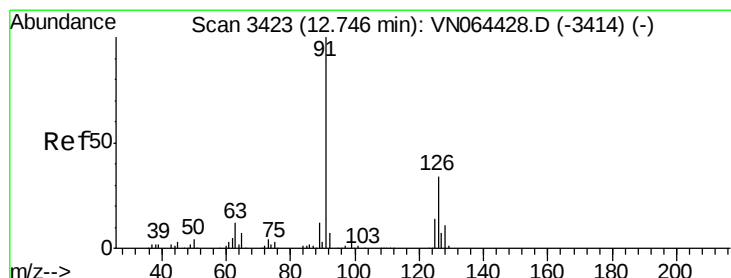
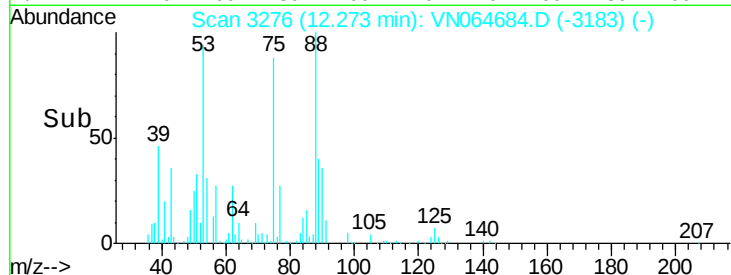
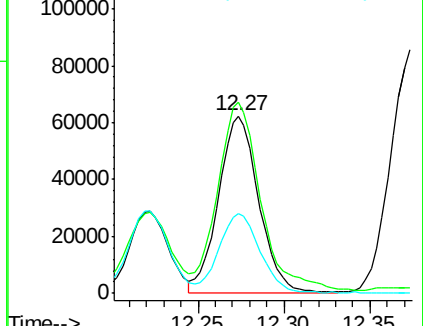
89 45.9 36.3 54.5



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: 44.561 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064684.D

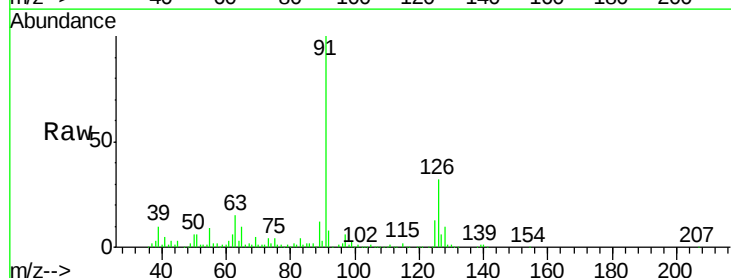
Acq: 17 Nov 2020 16:43

Tgt Ion: 91 Resp: 728300

Ion Ratio Lower Upper

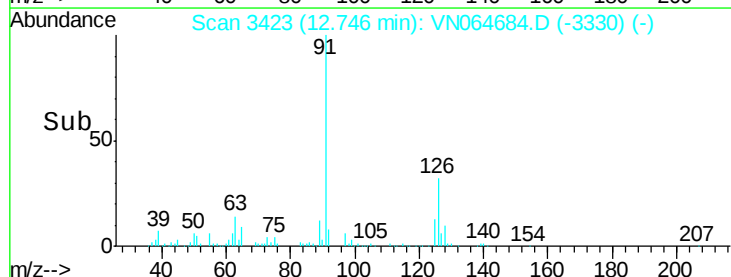
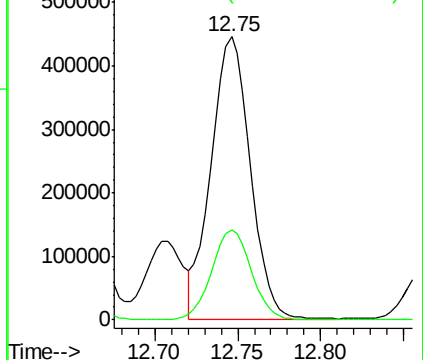
91 100

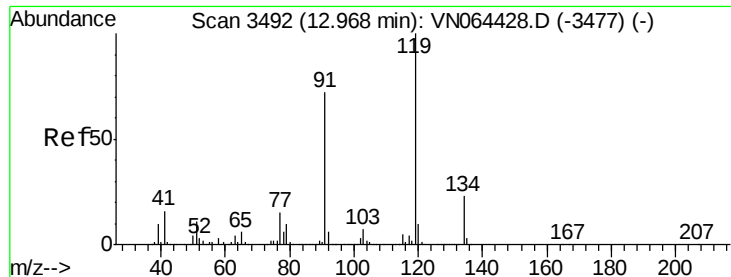
126 32.6 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

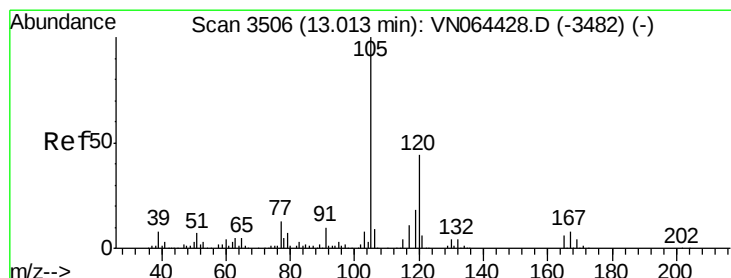
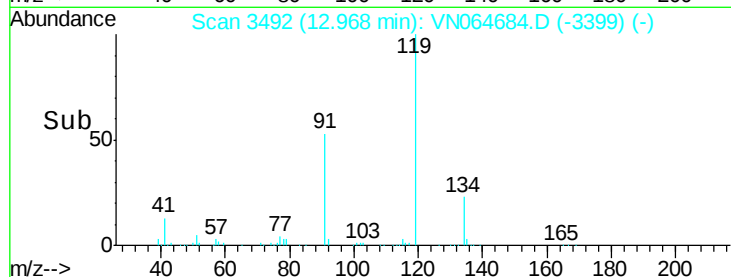
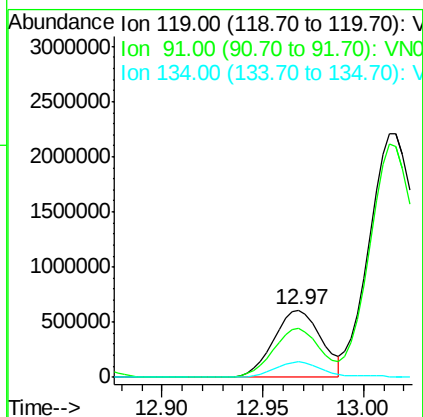
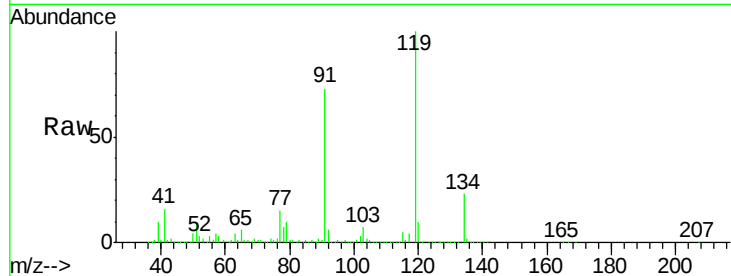




#83
tert-Butylbenzene
Concen: 71.618 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

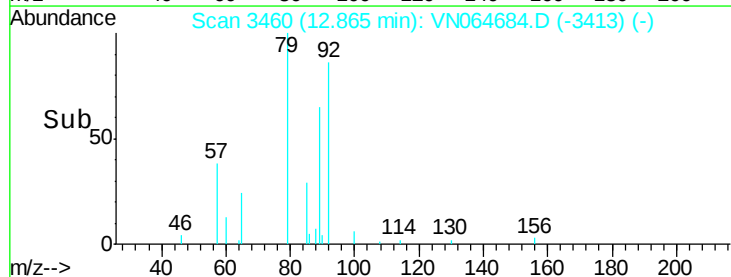
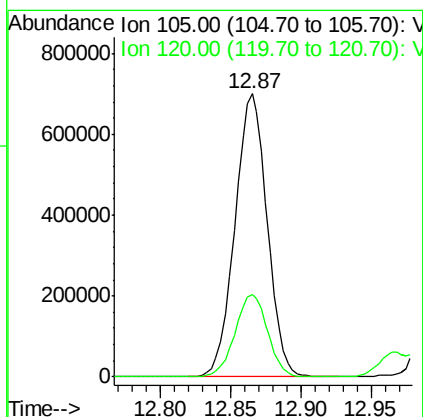
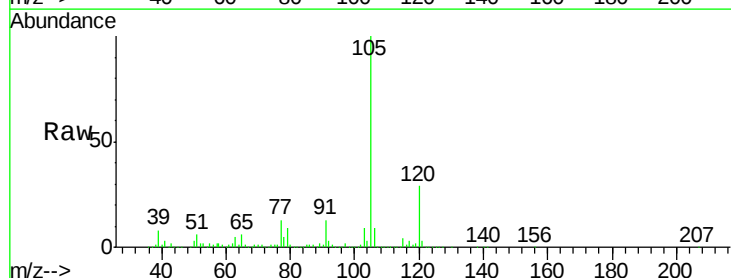
Instrument :
MSVOA_N
ClientSampleId :
MW-4MS

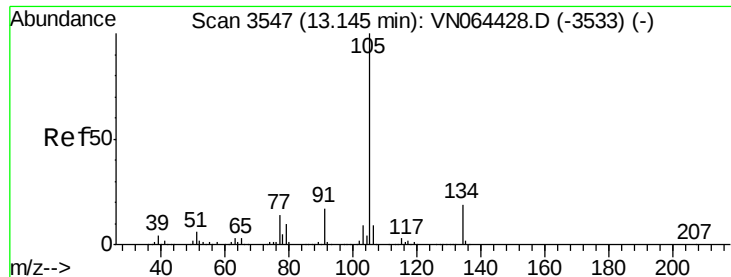
Tot Ion:119 Resp: 995920
Ion Ratio Lower Upper
119 100
91 72.4 36.1 108.3
134 23.0 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 62.447 ug/l
RT: 12.87 min Scan# 3460
Delta R.T. -0.15 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion:105 Resp: 1117740
Ion Ratio Lower Upper
105 100
120 29.5 21.9 65.7





#85

sec-Butylbenzene

Concen: 135.017 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

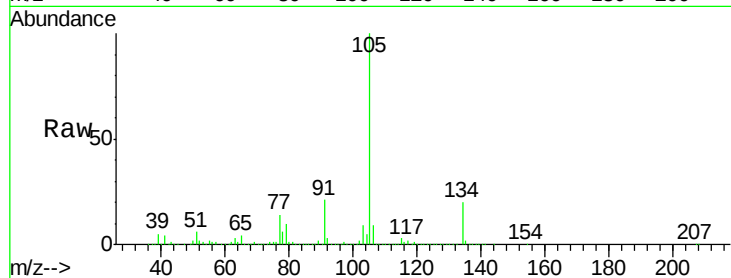
MW-4MS

Tot Ion:105 Resp: 2377879

Ion Ratio Lower Upper

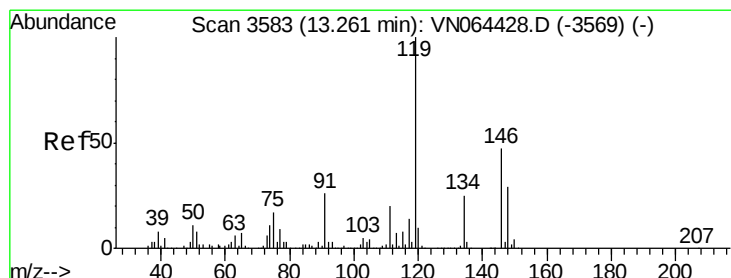
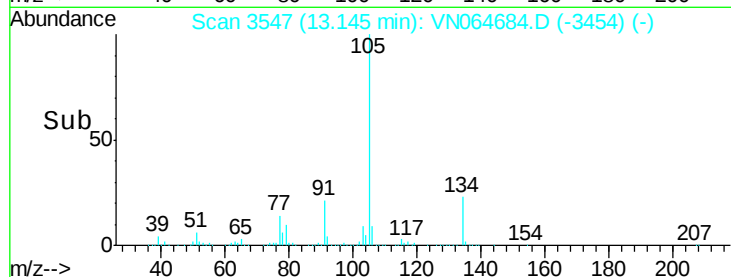
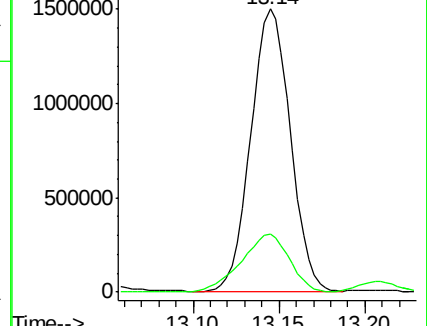
105 100

134 25.2 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 79.577 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

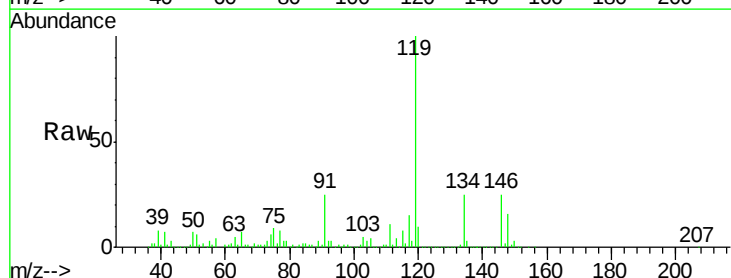
Tgt Ion:119 Resp: 1260614

Ion Ratio Lower Upper

119 100

134 25.9 12.6 37.6

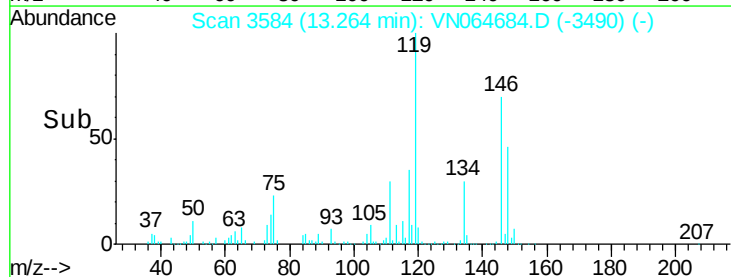
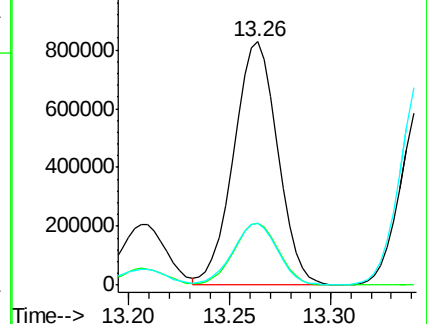
91 25.5 12.8 38.3

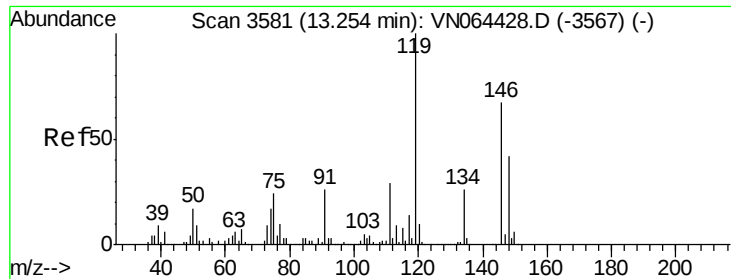


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

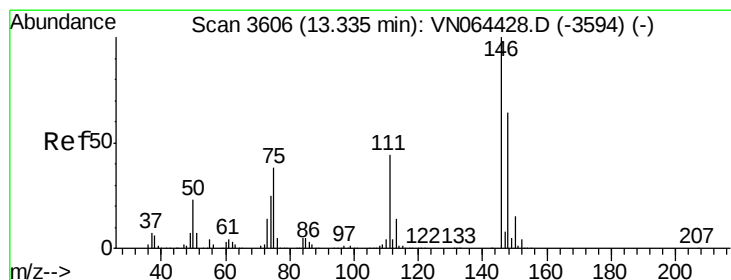
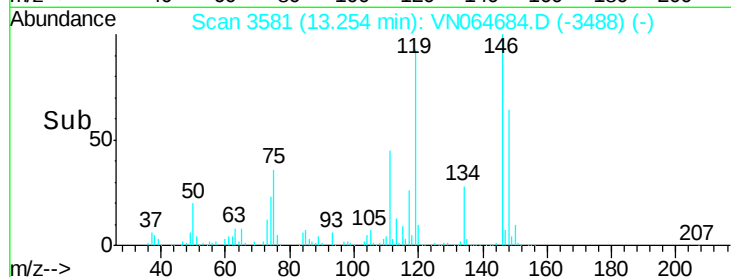
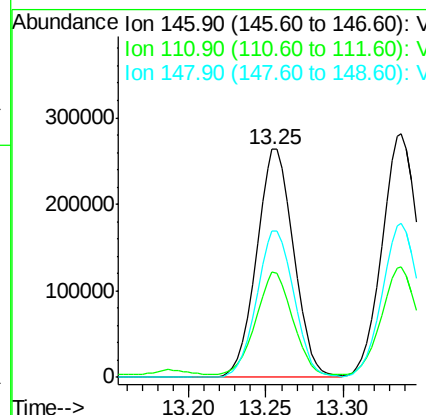
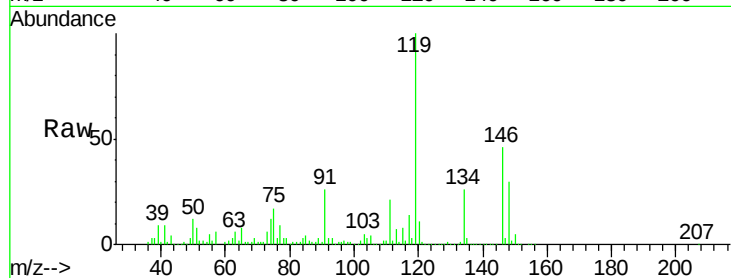




#87
 1,3-Dichlorobenzene
 Concen: 48.419 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064684.D
 Acq: 17 Nov 2020 16:43

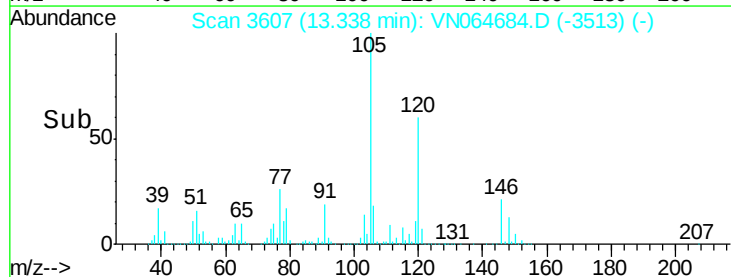
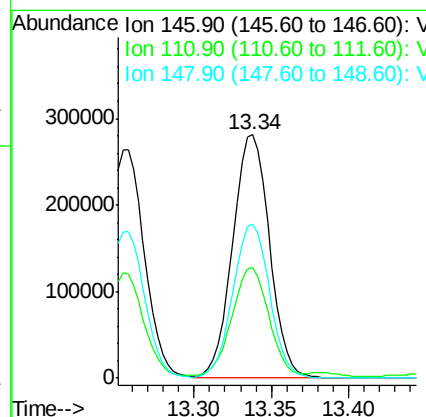
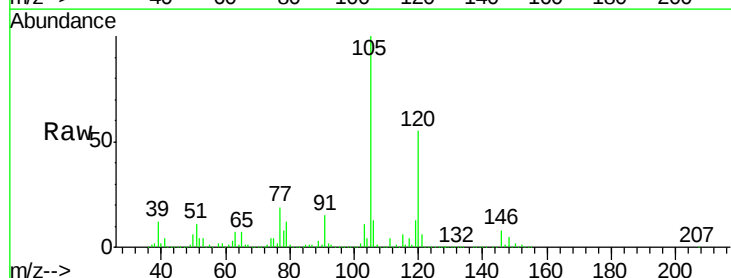
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4MS

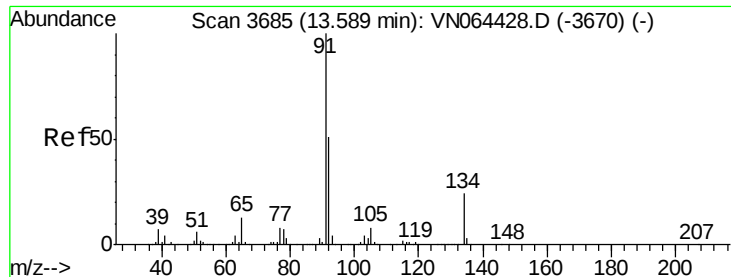
Tot Ion:146 Resp: 441035
 Ion Ratio Lower Upper
 146 100
 111 44.2 22.1 66.1
 148 64.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 49.266 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064684.D
 Acq: 17 Nov 2020 16:43

Tgt Ion:146 Resp: 463745
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.8 65.3
 148 63.0 32.4 97.2

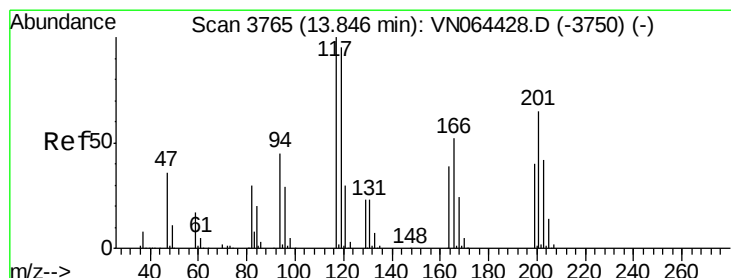
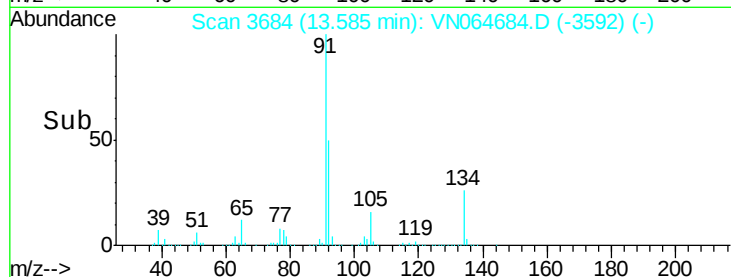
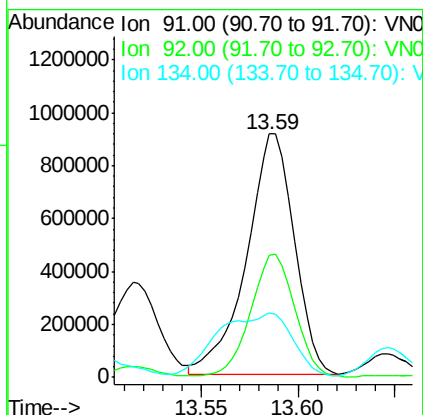
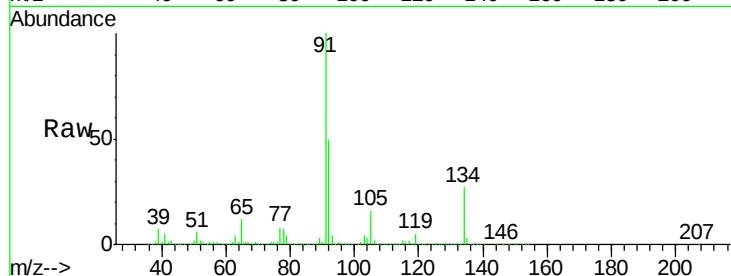




#89
n-Butylbenzene
Concen: 113.847 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

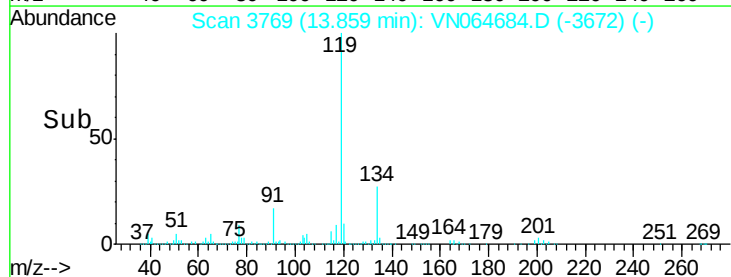
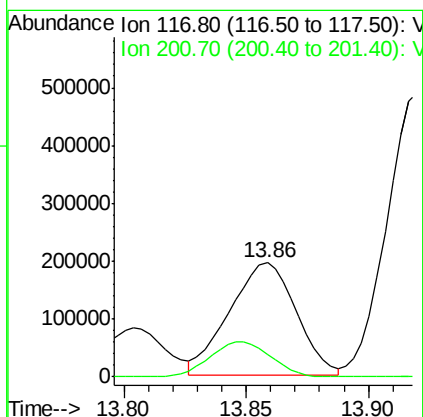
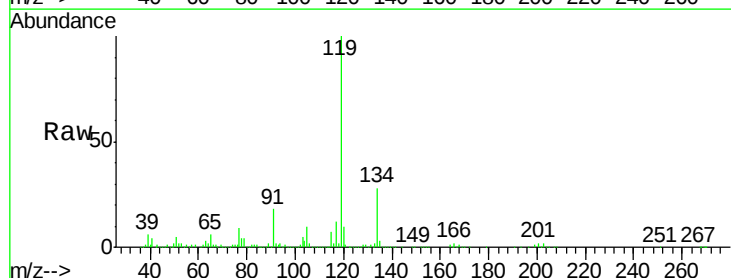
Instrument :
MSVOA_N
ClientSampled :
MW-4MS

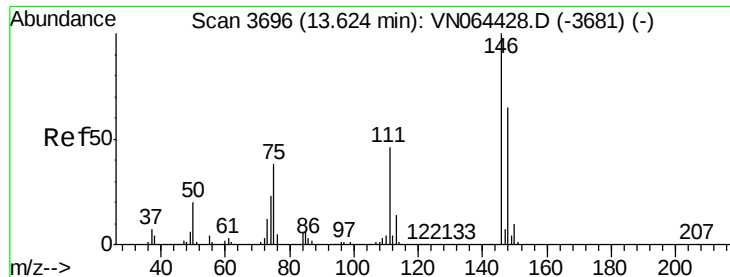
Tot Ion: 91 Resp: 1550625
Ion Ratio Lower Upper
91 100
92 47.2 25.3 75.9
134 40.6 11.8 35.4#



#90
Hexachloroethane
Concen: 120.788 ug/l
RT: 13.86 min Scan# 3769
Delta R.T. 0.01 min
Lab File: VN064684.D
Acq: 17 Nov 2020 16:43

Tgt Ion: 117 Resp: 369112
Ion Ratio Lower Upper
117 100
201 28.8 32.5 97.5#





#91

1,2-Dichlorobenzene

Concen: 50.636 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

MW-4MS

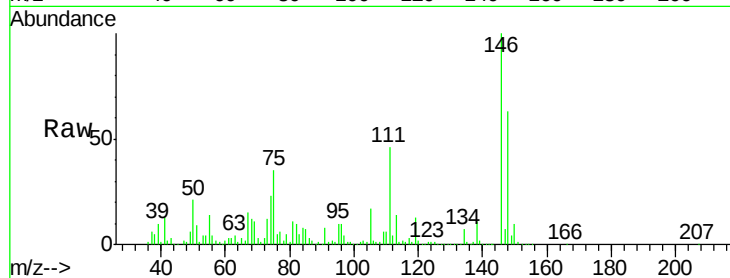
Tot Ion:146 Resp: 443656

Ion Ratio Lower Upper

146 100

111 47.4 22.9 68.7

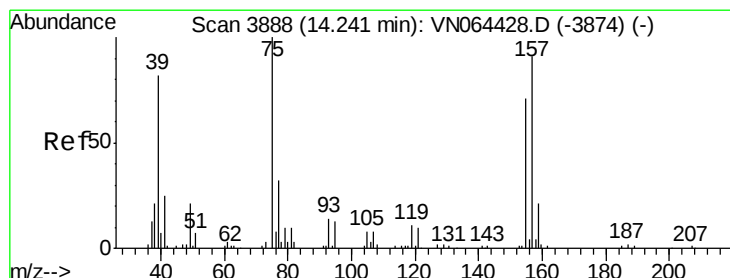
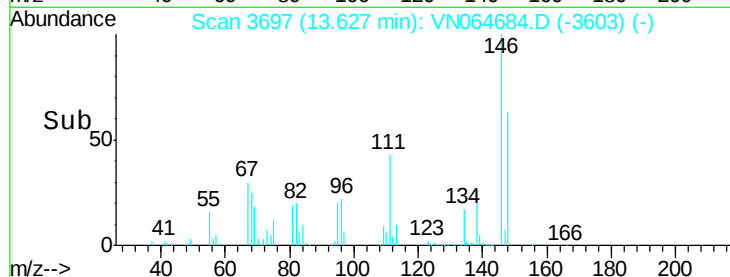
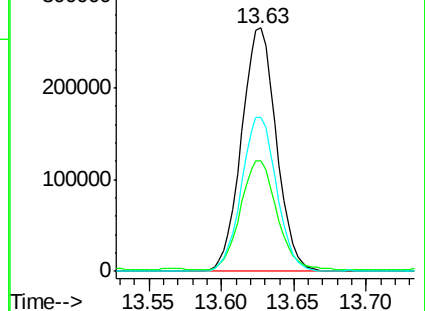
148 63.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 61.469 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

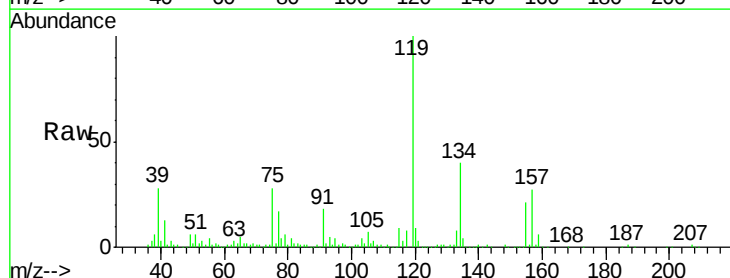
Tgt Ion: 75 Resp: 81130

Ion Ratio Lower Upper

75 100

155 68.4 34.6 103.9

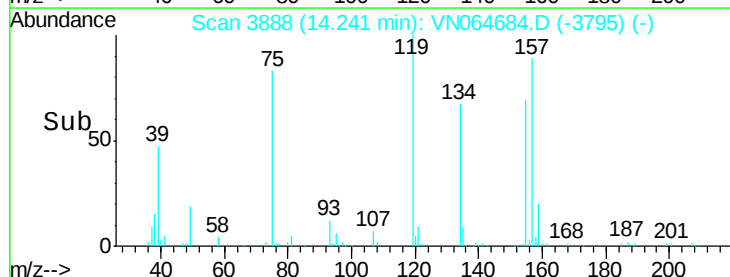
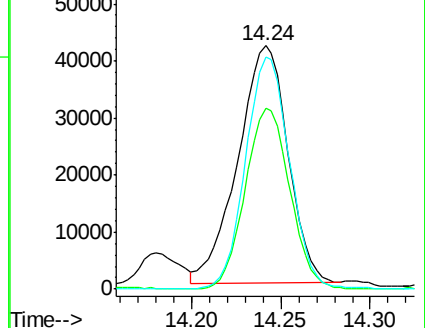
157 86.4 43.0 128.8

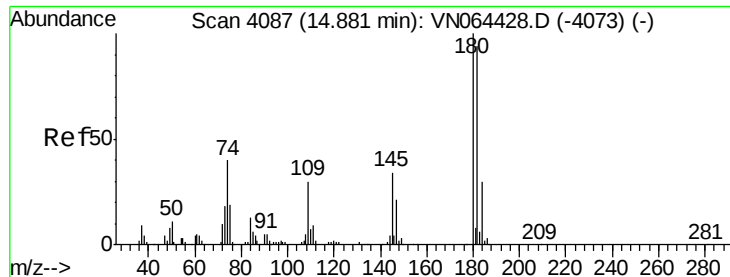


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

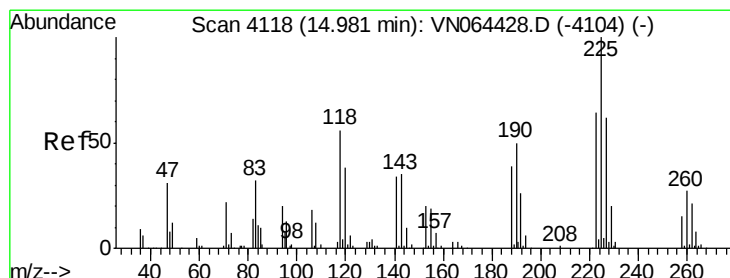
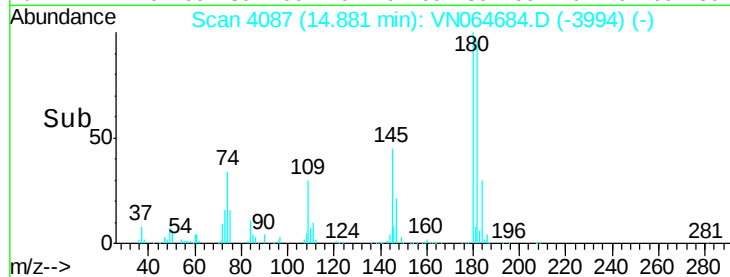
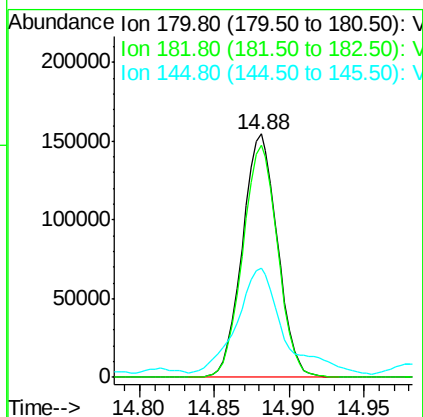
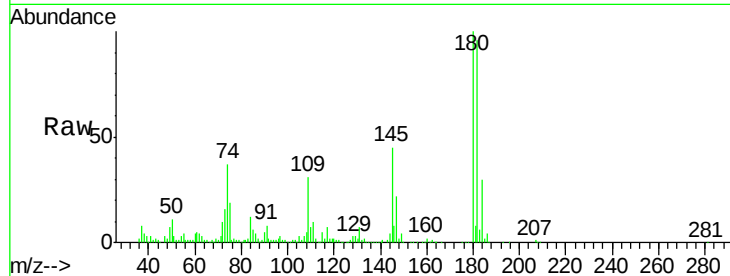




#93
 1,2,4-Trichlorobenzene
 Concen: 57.466 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064684.D
 Acq: 17 Nov 2020 16:43

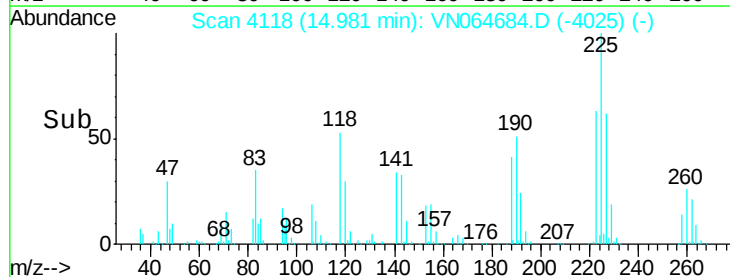
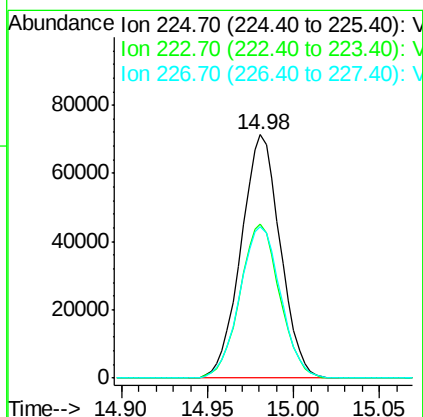
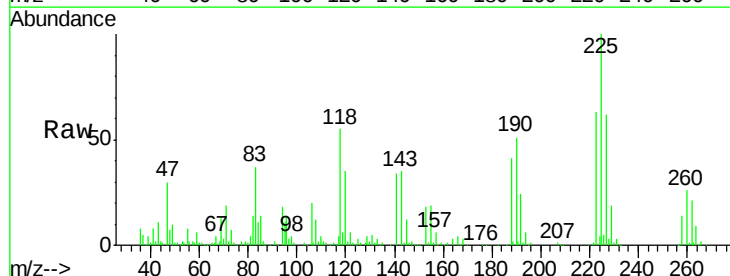
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4MS

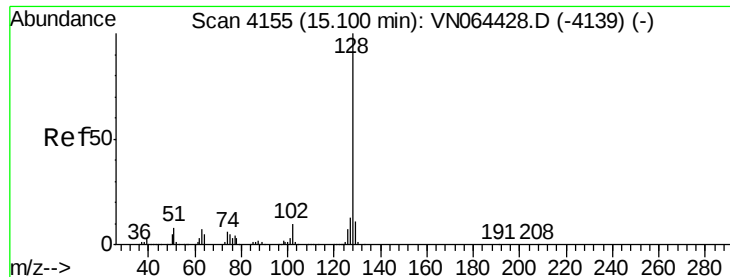
Tot Ion:180 Resp: 252223
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.3 142.0
 145 63.2 16.7 50.1#



#94
 Hexachlorobutadiene
 Concen: 63.113 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064684.D
 Acq: 17 Nov 2020 16:43

Tgt Ion:225 Resp: 112586
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.8 95.4
 227 64.9 31.8 95.4





#95

Naphthalene

Concen: 133.262 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Instrument :

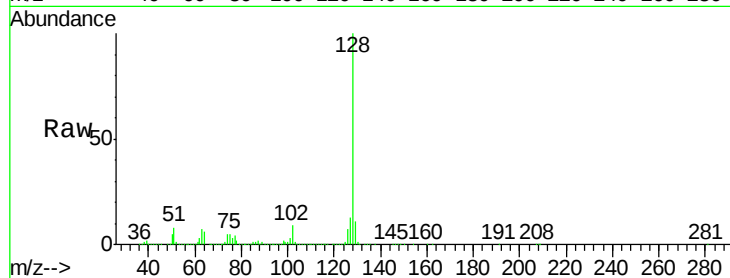
MSVOA_N

ClientSampleId :

MW-4MS

Tot Ion:128 Resp: 2081547

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.8	13.2

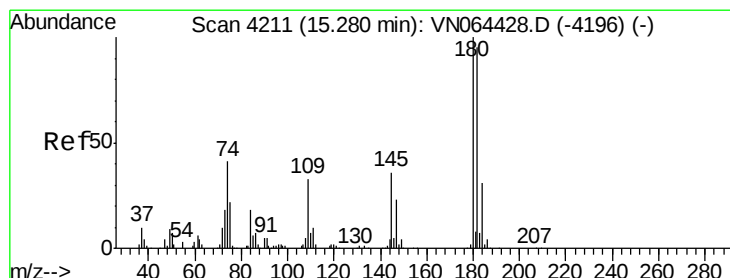
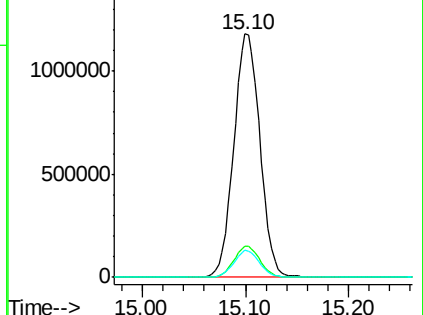
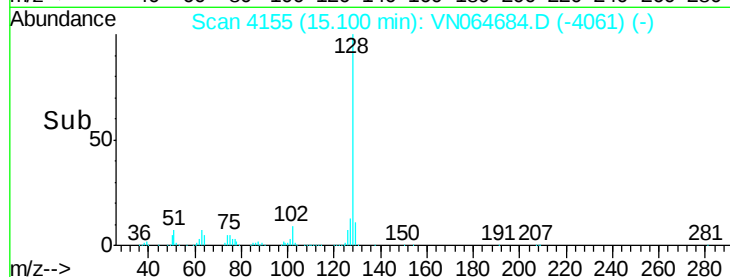


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 57.807 ug/l

RT: 15.28 min Scan# 4212

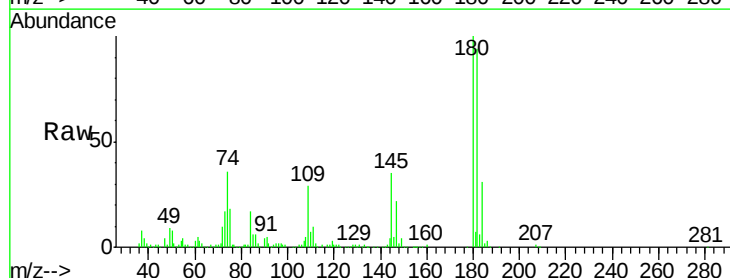
Delta R.T. 0.00 min

Lab File: VN064684.D

Acq: 17 Nov 2020 16:43

Tgt Ion:180 Resp: 245614

Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.7	143.1
145	40.0	18.3	54.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

