

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111220\
 Data File : VN064572.D
 Acq On : 12 Nov 2020 9:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 13 02:44:57 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	321207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	528201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	511607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	251702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	268716	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
35) Dibromofluoromethane	7.55	113	185026	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.06	98	706215	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.38	95	268407	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	183223	43.820	ug/l	97
3) Chloromethane	2.04	50	210081	41.365	ug/l	98
4) Vinyl Chloride	2.17	62	235453	45.146	ug/l	99
5) Bromomethane	2.53	94	157350	47.226	ug/l	98
6) Chloroethane	2.67	64	156710	46.931	ug/l	98
7) Trichlorofluoromethane	2.98	101	377873	49.204	ug/l	99
8) Diethyl Ether	3.37	74	130921	48.275	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	173788	47.654	ug/l	99
10) Methyl Iodide	3.90	142	205446	48.482	ug/l	99
11) Tert butyl alcohol	4.75	59	148889	241.309	ug/l	99
12) 1,1-Dichloroethene	3.69	96	159620	46.466	ug/l	97
13) Acrolein	3.57	56	87746	229.269	ug/l	97
14) Allyl chloride	4.27	41	294735	43.859	ug/l	98
15) Acrylonitrile	4.93	53	443314	258.069	ug/l	98
16) Acetone	3.78	43	665403	312.218	ug/l	98
17) Carbon Disulfide	4.00	76	463261	45.095	ug/l	98
18) Methyl Acetate	4.28	43	211116	50.387	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	577630	46.720	ug/l	99
20) Methylene Chloride	4.50	84	191694	45.334	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	183522	47.052	ug/l	99
22) Diisopropyl ether	5.90	45	657304	46.079	ug/l	99
23) Vinyl Acetate	5.85	43	2803130	241.557	ug/l	98
24) 1,1-Dichloroethane	5.80	63	363501	46.373	ug/l	99
25) 2-Butanone	6.79	43	785695	289.341	ug/l	100
26) 2,2-Dichloropropane	6.77	77	339082	47.786	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	208398	46.109	ug/l	97
28) Bromochloromethane	7.15	49	181292	47.053	ug/l	100
29) Tetrahydrofuran	7.17	42	419578	251.847	ug/l	99
30) Chloroform	7.33	83	392356	47.618	ug/l	100
31) Cyclohexane	7.61	56	284524	41.834	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	351083	48.041	ug/l	99
36) 1,1-Dichloropropene	7.75	75	280985	50.355	ug/l	98
37) Ethyl Acetate	6.88	43	282891	49.951	ug/l	99
38) Carbon Tetrachloride	7.73	117	310088	51.996	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	251166	50.211	ug/l	97
40) Benzene	8.00	78	808776	49.324	ug/l	98
41) Methacrylonitrile	7.13	41	130637	52.806	ug/l	91
42) 1,2-Dichloroethane	8.09	62	338542	51.161	ug/l	99
43) Isopropyl Acetate	8.13	43	458233	50.673	ug/l	100
44) Trichloroethene	8.80	130	204099	49.335	ug/l	98
45) 1,2-Dichloropropane	9.08	63	218173	49.867	ug/l	96
46) Dibromomethane	9.17	93	151524	52.611	ug/l	100
47) Bromodichloromethane	9.37	83	329950	53.280	ug/l	97
48) Methyl methacrylate	9.17	41	243069	53.268	ug/l	98
49) 1,4-Dioxane	9.17	88	68943	1147.087	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1473992	279.504	ug/l	100
52) Toluene	10.12	92	515688	51.564	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	343940	52.387	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	358640	51.091	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	205920	52.796	ug/l	98
56) Ethyl methacrylate	10.40	69	293732	45.929	ug/l	99
57) 1,3-Dichloropropane	10.68	76	353435	51.916	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	769482	253.445	ug/l	97
59) 2-Hexanone	10.72	43	1198852	278.319	ug/l	99
60) Dibromochloromethane	10.87	129	237922	54.485	ug/l	99
61) 1,2-Dibromoethane	10.98	107	216775	54.795	ug/l	98
64) Tetrachloroethene	10.60	164	192021	48.725	ug/l	97
65) Chlorobenzene	11.41	112	543084	48.422	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	216570	51.760	ug/l	98
67) Ethyl Benzene	11.48	91	1011357	50.696	ug/l	100
68) m/p-Xylenes	11.60	106	746939	103.241	ug/l	98
69) o-Xylene	11.92	106	348602	49.863	ug/l	99
70) Styrene	11.94	104	624495	53.084	ug/l	99
71) Bromoform	12.10	173	158010	50.287	ug/l #	99
73) Isopropylbenzene	12.23	105	937192	46.845	ug/l	100
74) N-amyl acetate	12.05	43	414867	42.933	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	294212	47.879	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	420760	68.994	ug/l #	100
77) Bromobenzene	12.50	156	222713	45.597	ug/l	99
78) n-propylbenzene	12.57	91	1130956	49.585	ug/l	100
79) 2-Chlorotoluene	12.65	91	691028	47.769	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	821046	49.747	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	106202	48.623	ug/l	96
82) 4-Chlorotoluene	12.75	91	723617	47.764	ug/l	98
83) tert-Butylbenzene	12.97	119	627273	48.663	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	830180	50.036	ug/l	99
85) sec-Butylbenzene	13.15	105	836700	51.252	ug/l	100
86) p-Isopropyltoluene	13.26	119	765019	52.099	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	414622	49.107	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	417996	47.905	ug/l	98
89) n-Butylbenzene	13.59	91	666789	52.814	ug/l	99
90) Hexachloroethane	13.85	117	145617	51.407	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	411605	50.680	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	64210	52.483	ug/l	98

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QLast Update : Wed Nov 04 12:09:03 2020
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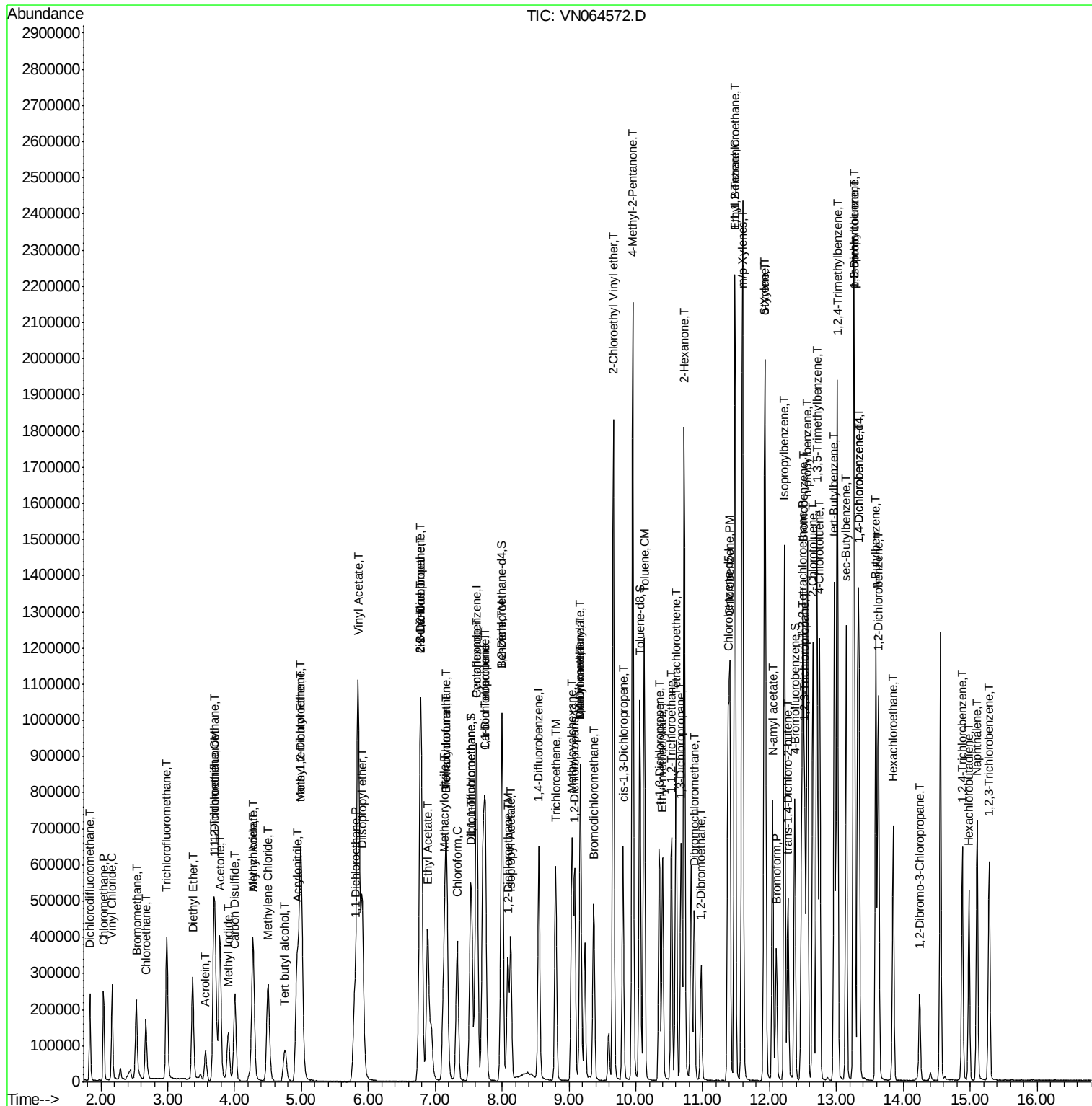
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	189847	47.164	ug/l	98
94) Hexachlorobutadiene	14.98	225	87922	53.171	ug/l	98
95) Naphthalene	15.10	128	595945	43.664	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	185538	47.622	ug/l	99

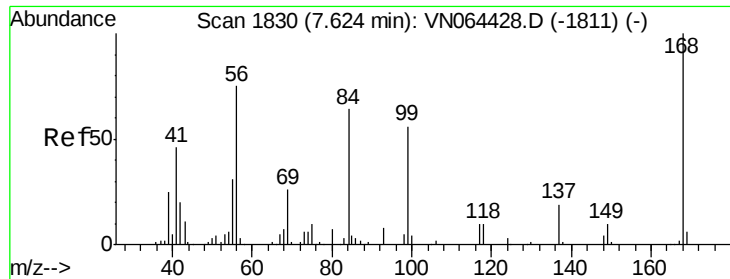
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111220\
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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: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

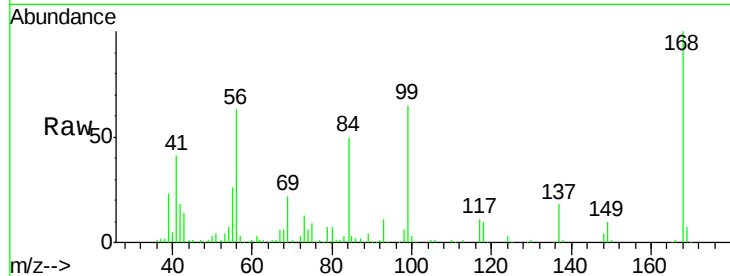
VSTDCCC050

Tot Ion:168 Resp: 321207

Ion Ratio Lower Upper

168 100

99 64.4 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

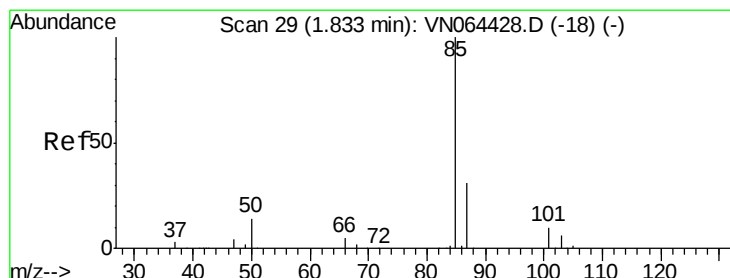
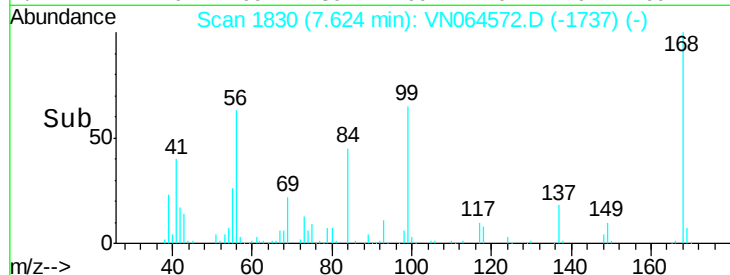
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 43.820 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064572.D

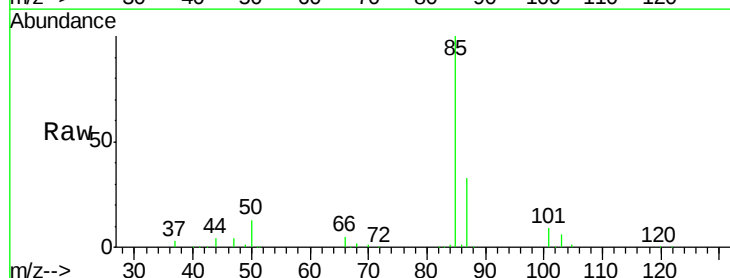
Acq: 12 Nov 2020 9:47

Tgt Ion: 85 Resp: 183223

Ion Ratio Lower Upper

85 100

87 32.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

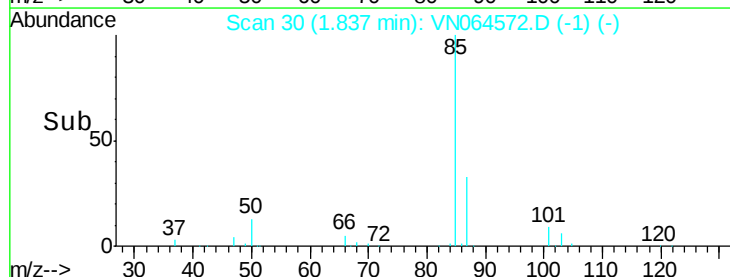
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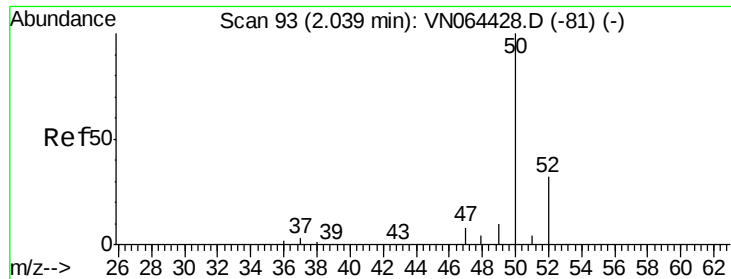
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 41.365 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

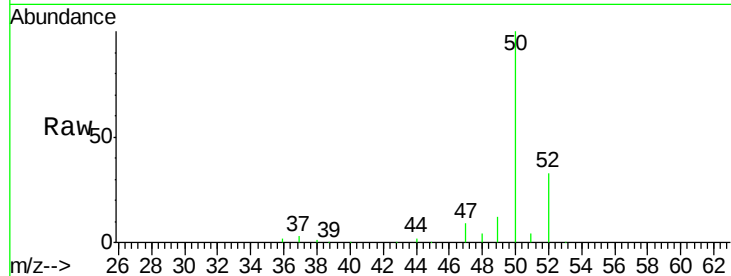
VSTDCCC050

Tot Ion: 50 Resp: 210081

Ion Ratio Lower Upper

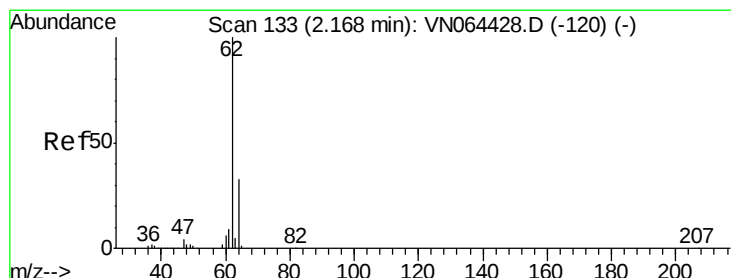
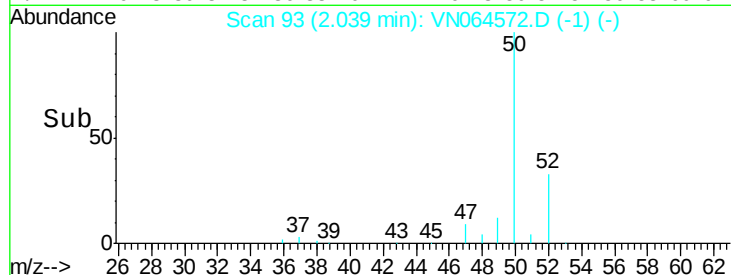
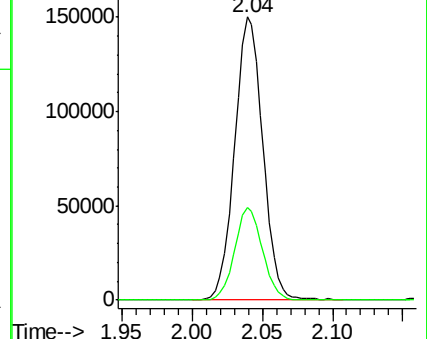
50 100

52 32.8 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.146 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064572.D

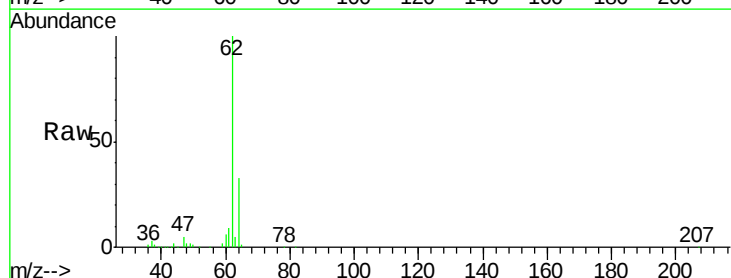
Acq: 12 Nov 2020 9:47

Tgt Ion: 62 Resp: 235453

Ion Ratio Lower Upper

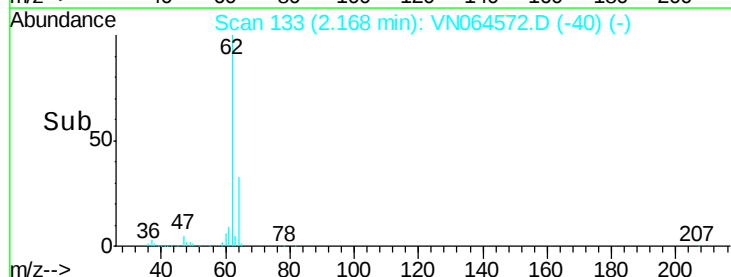
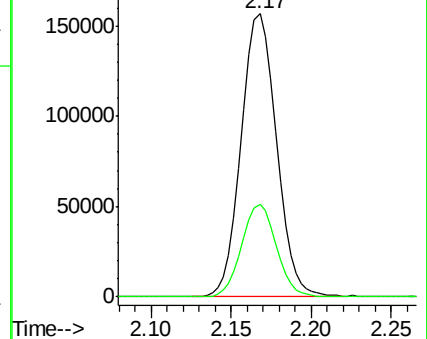
62 100

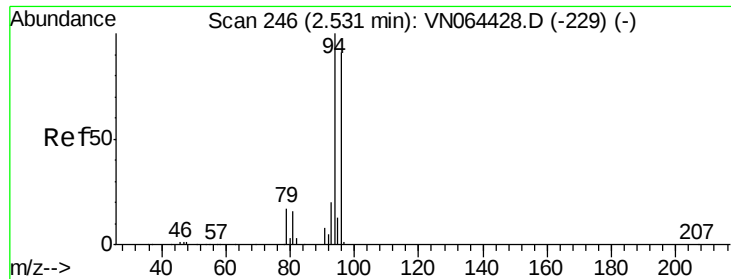
64 32.5 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.226 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

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ClientSampleId :

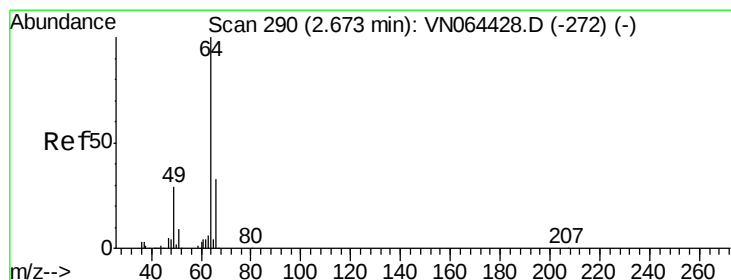
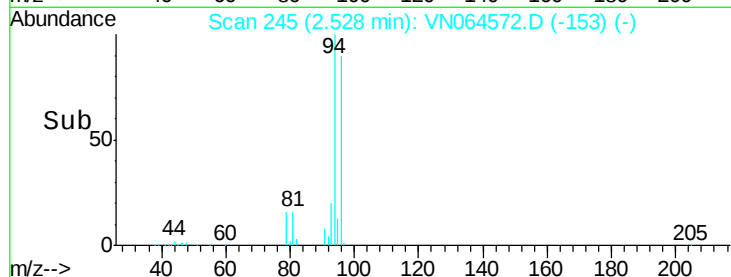
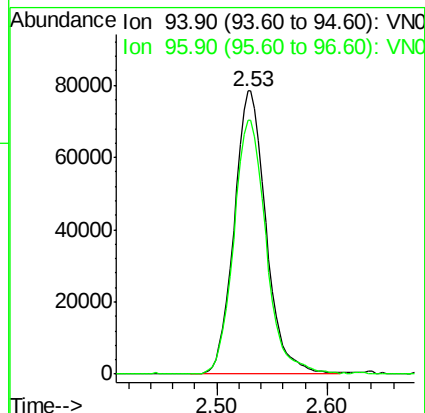
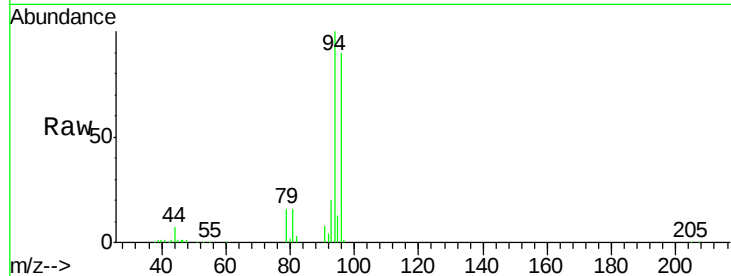
VSTDCCC050

Tot Ion: 94 Resp: 157350

Ion Ratio Lower Upper

94 100

96 89.5 73.1 109.7



#6

Chloroethane

Concen: 46.931 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064572.D

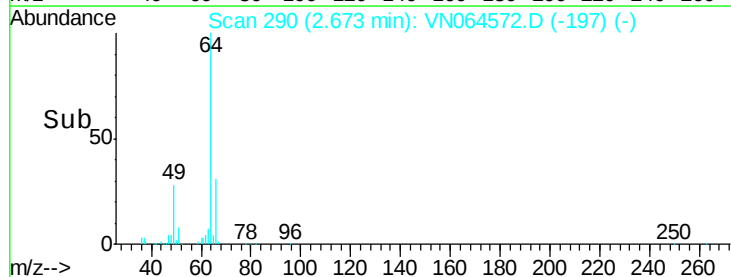
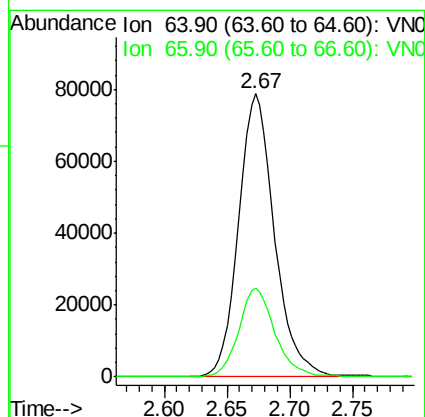
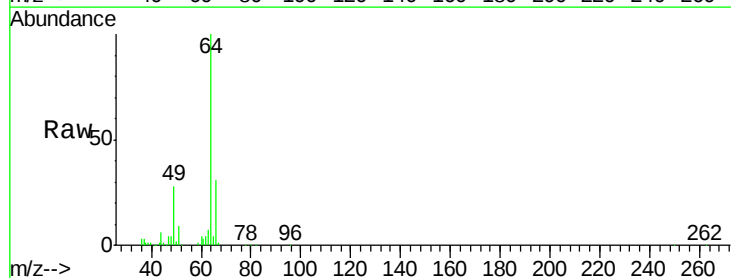
Acq: 12 Nov 2020 9:47

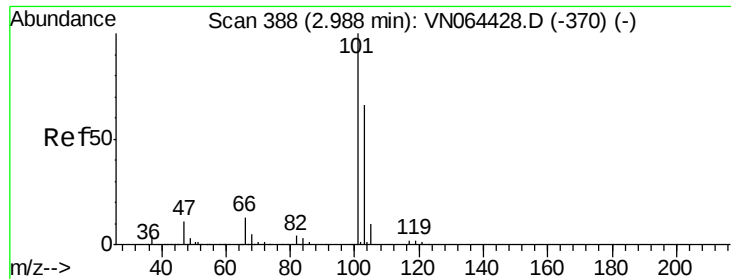
Tgt Ion: 64 Resp: 156710

Ion Ratio Lower Upper

64 100

66 31.5 26.1 39.1



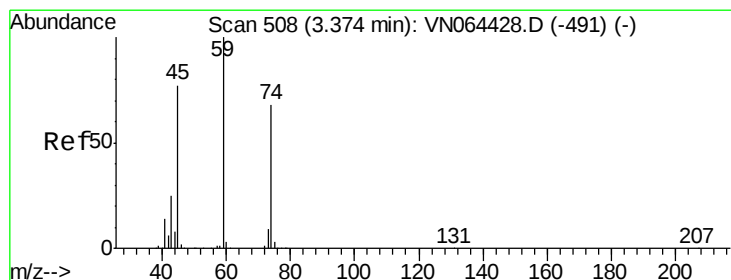
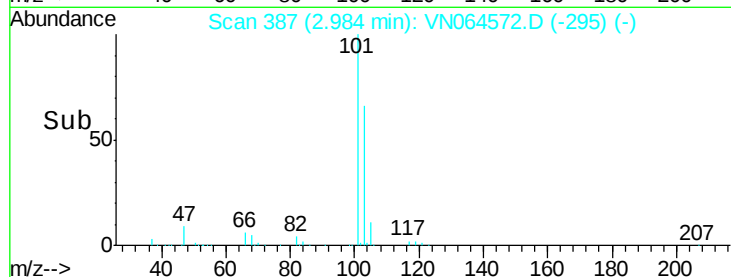
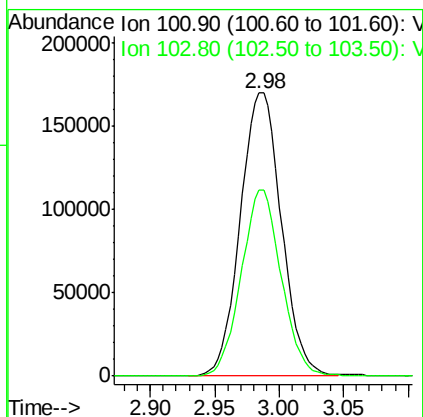
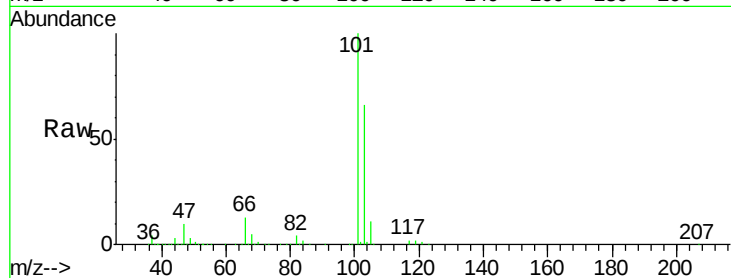


#7

Trichlorofluoromethane
Concen: 49.204 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Instrument :
MSVOA_N
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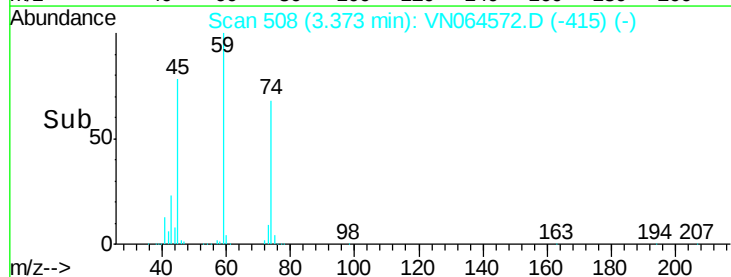
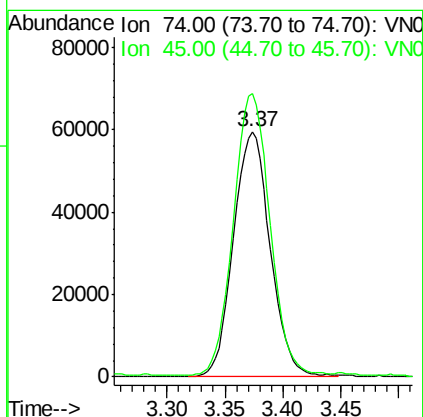
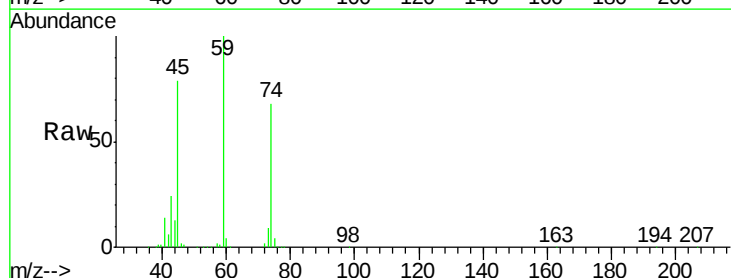
Tot Ion:101 Resp: 377873
Ion Ratio Lower Upper
101 100
103 65.9 52.4 78.6

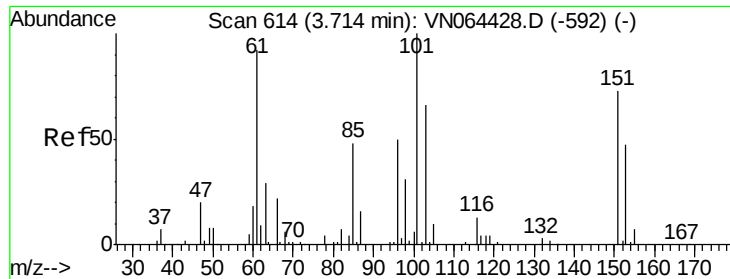


#8

Diethyl Ether
Concen: 48.275 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion: 74 Resp: 130921
Ion Ratio Lower Upper
74 100
45 114.1 55.9 167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.654 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

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VSTDCCC050

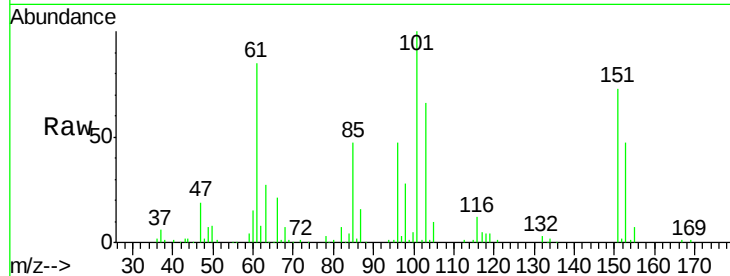
Tot Ion:101 Resp: 173788

Ion Ratio Lower Upper

101 100

85 47.3 38.6 57.8

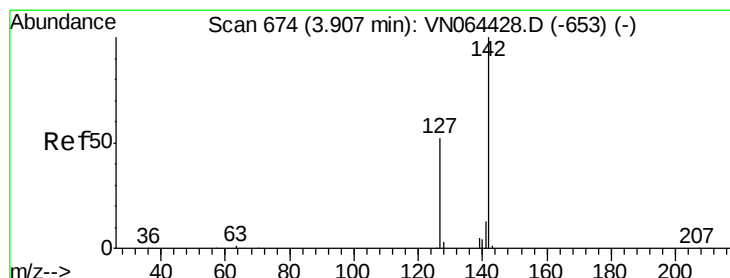
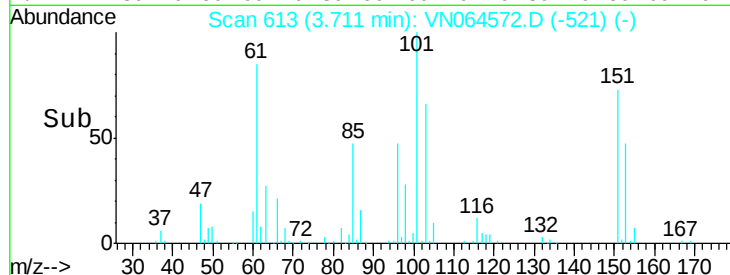
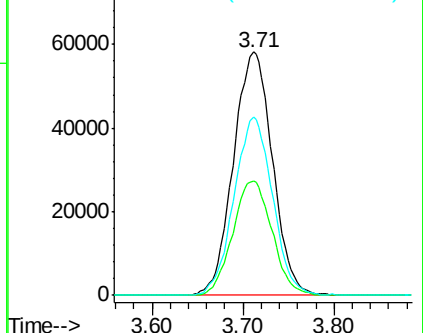
151 72.1 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.482 ug/l

RT: 3.90 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

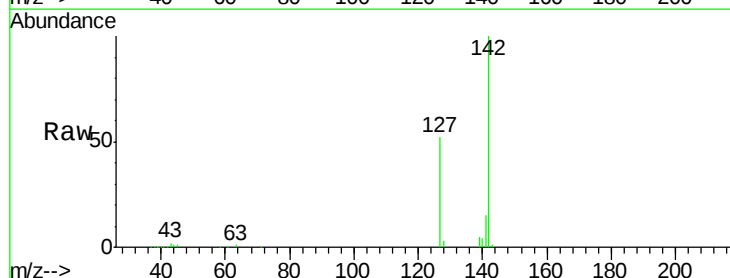
Tgt Ion:142 Resp: 205446

Ion Ratio Lower Upper

142 100

127 52.7 41.8 62.8

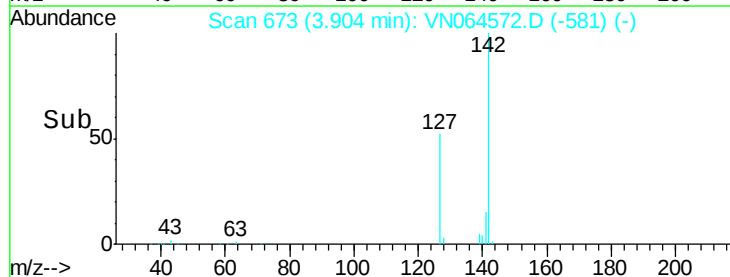
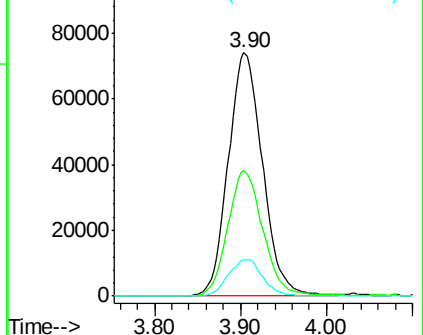
141 14.9 11.4 17.2

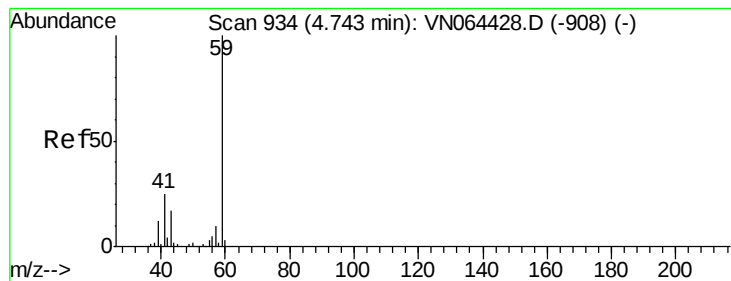


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



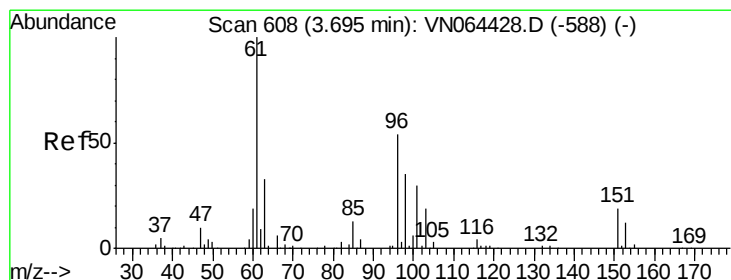
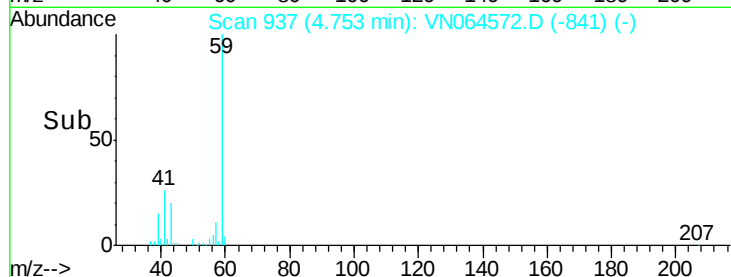
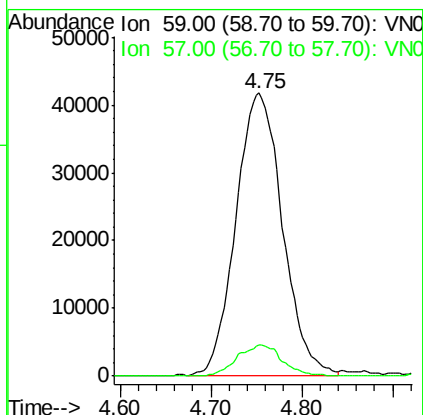
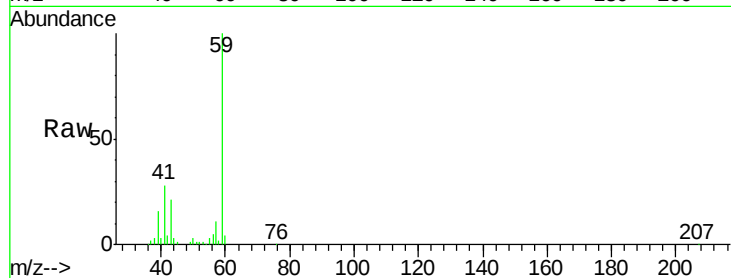


#11

Tert butyl alcohol
 Concen: 241.309 ug/l
 RT: 4.75 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN064572.D
 Acq: 12 Nov 2020 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

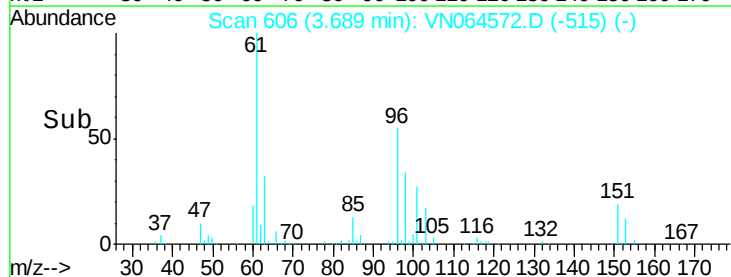
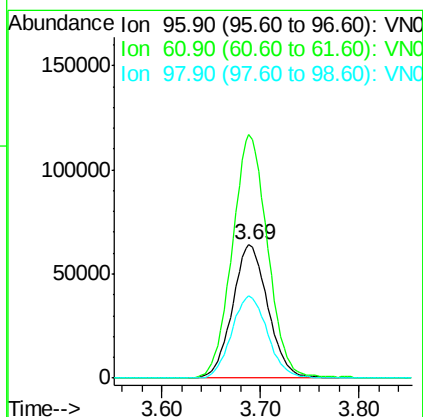
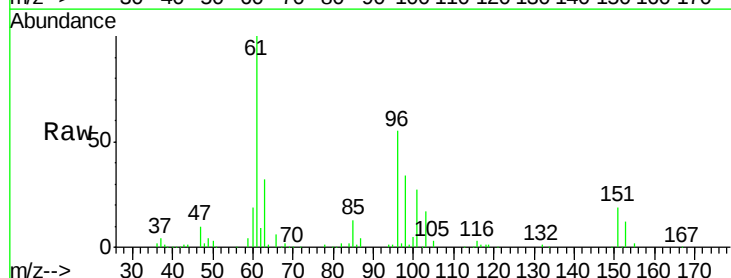
Tot Ion: 59 Resp: 148889
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.0 13.4

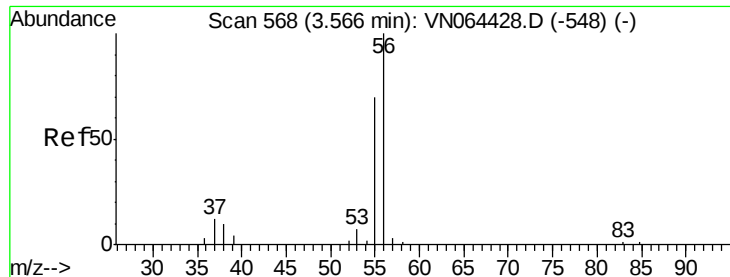


#12

1,1-Dichloroethene
 Concen: 46.466 ug/l
 RT: 3.69 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VN064572.D
 Acq: 12 Nov 2020 9:47

Tgt Ion: 96 Resp: 159620
 Ion Ratio Lower Upper
 96 100
 61 183.0 149.5 224.3
 98 61.6 52.4 78.6





#13

Acrolein

Concen: 229.269 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

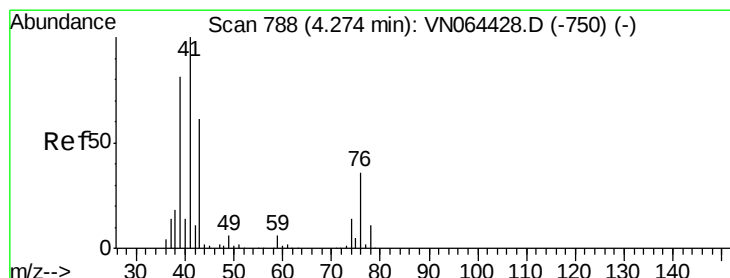
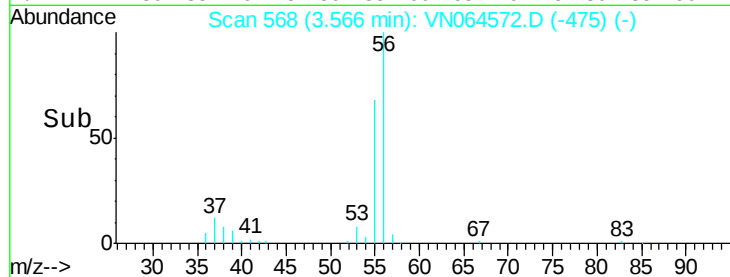
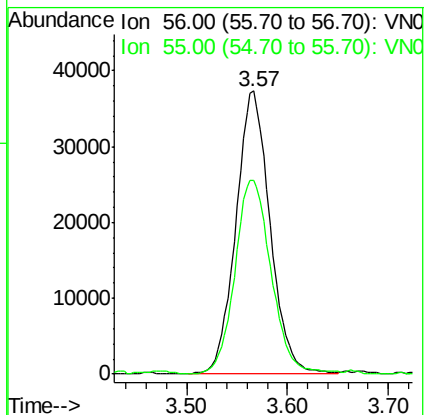
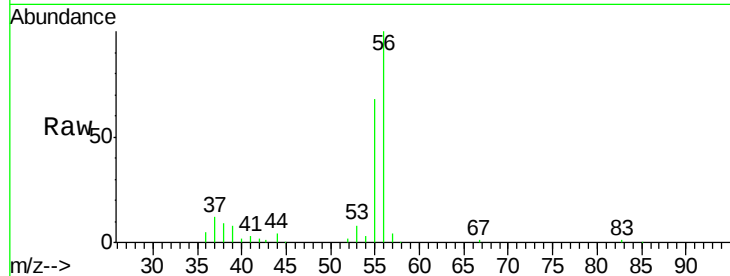
VSTDCCC050

Tot Ion: 56 Resp: 87746

Ion Ratio Lower Upper

56 100

55 72.5 55.9 83.9



#14

Allyl chloride

Concen: 43.859 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

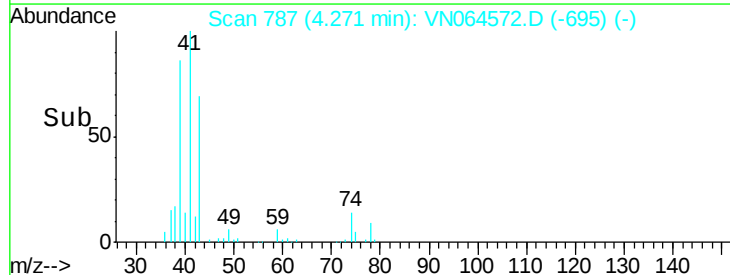
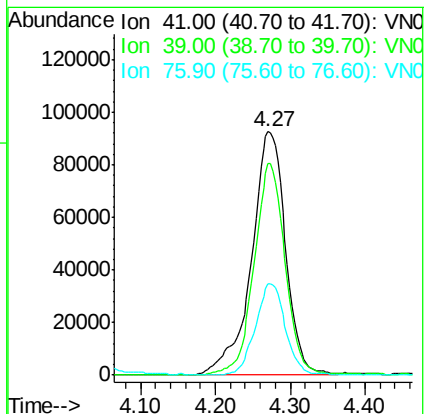
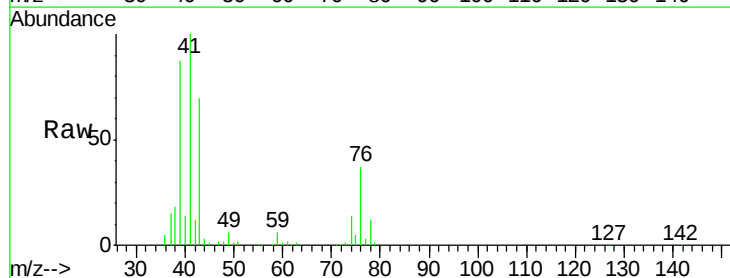
Tgt Ion: 41 Resp: 294735

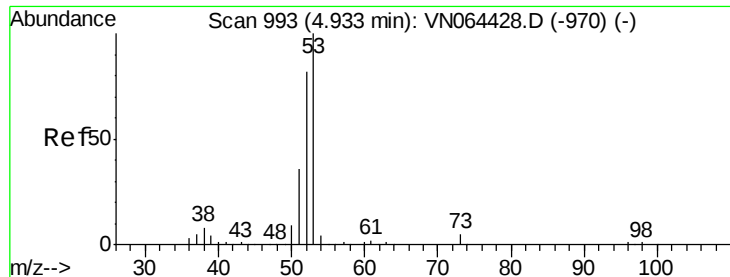
Ion Ratio Lower Upper

41 100

39 79.0 61.8 92.8

76 32.3 25.4 38.0





#15

Acrylonitrile

Concen: 258.069 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

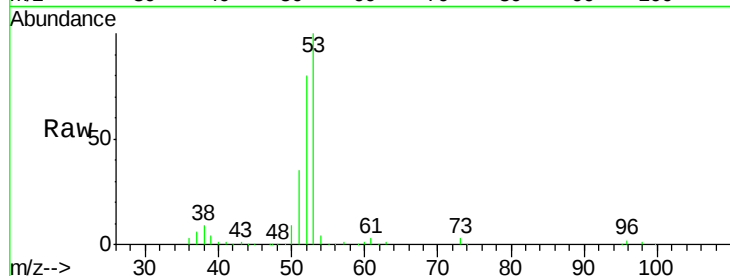
Tot Ion: 53 Resp: 443314

Ion Ratio Lower Upper

53 100

52 83.8 65.6 98.4

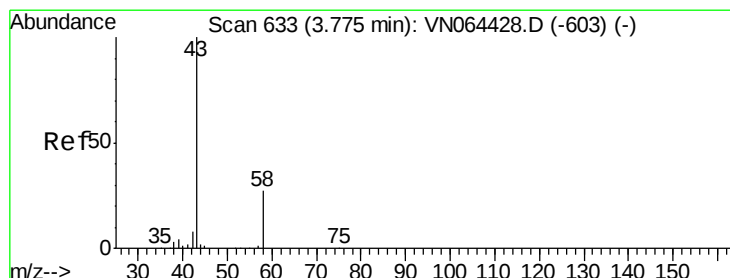
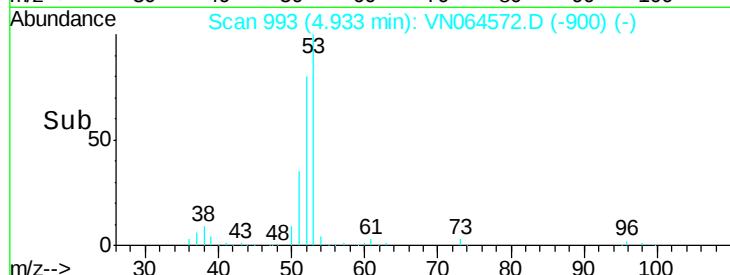
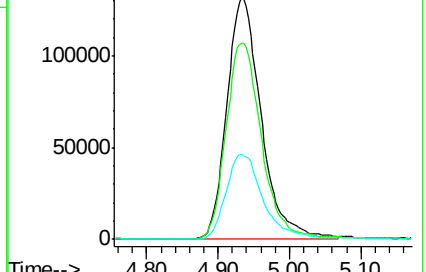
51 37.9 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN064428.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN064428.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN064428.D (-970) (-)



#16

Acetone

Concen: 312.218 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064572.D

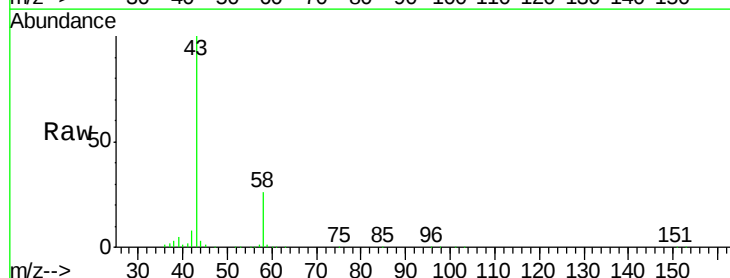
Acq: 12 Nov 2020 9:47

Tgt Ion: 43 Resp: 665403

Ion Ratio Lower Upper

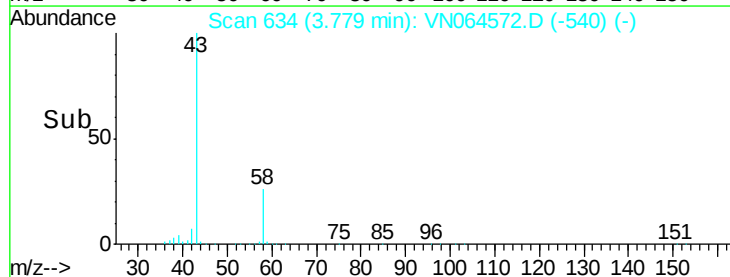
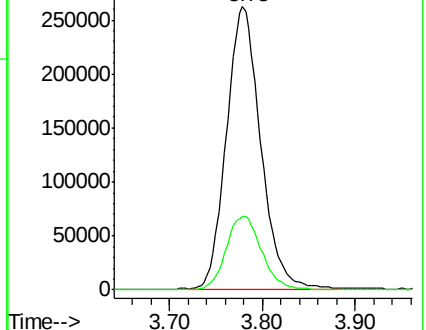
43 100

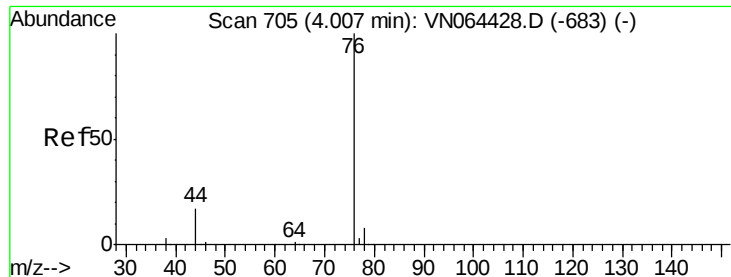
58 25.8 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-603) (-)

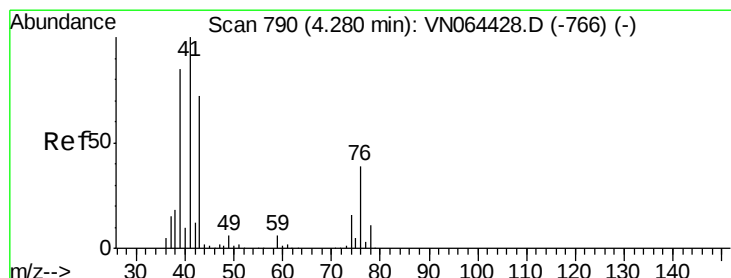
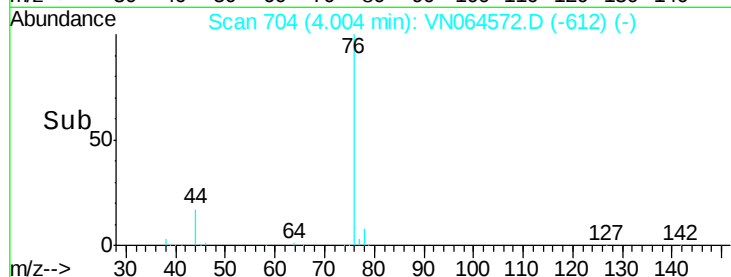
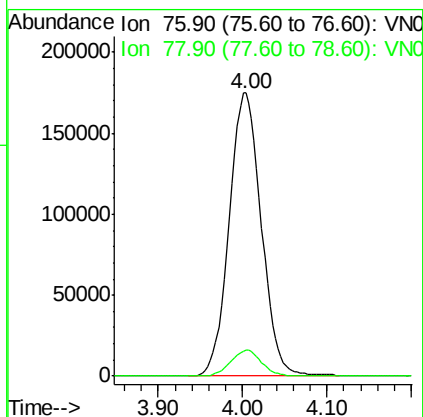
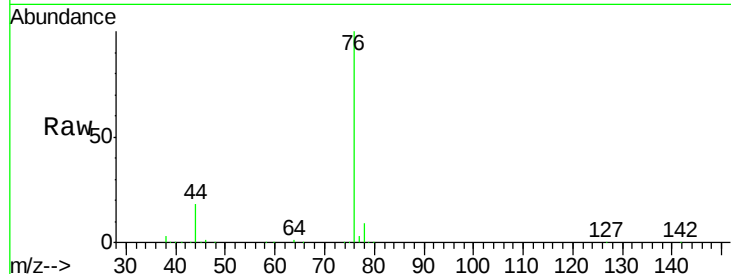




#17
Carbon Disulfide
Concen: 45.095 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

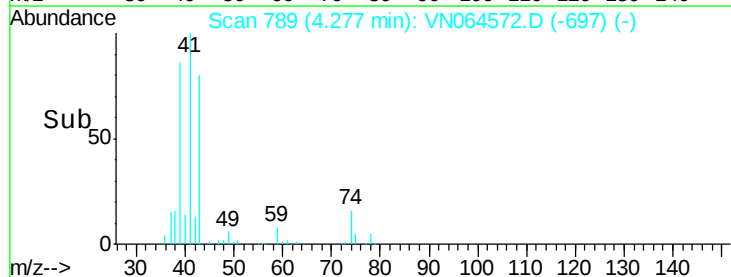
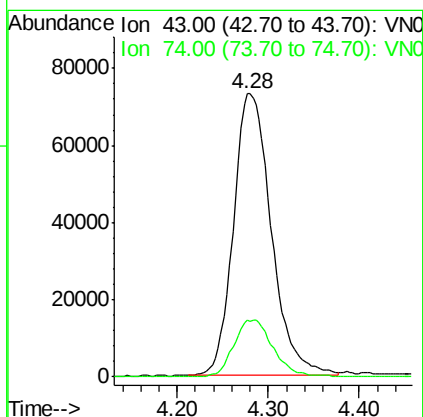
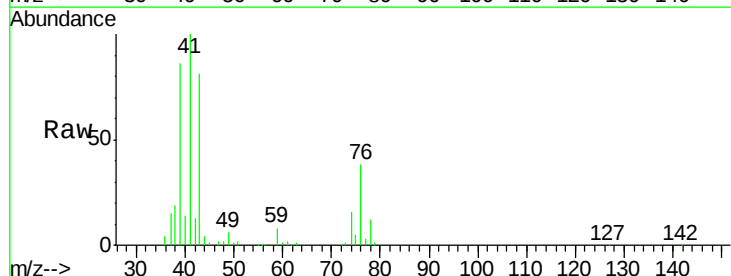
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

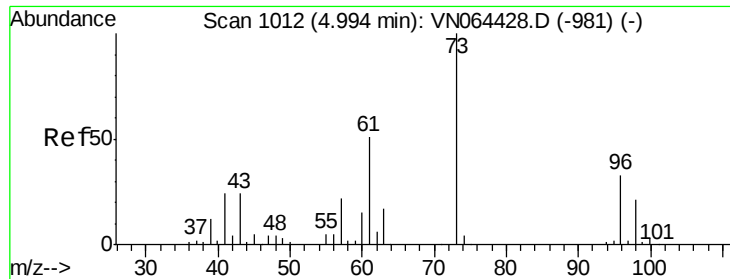
Tot Ion: 76 Resp: 463261
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2



#18
Methyl Acetate
Concen: 50.387 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion: 43 Resp: 211116
Ion Ratio Lower Upper
43 100
74 21.0 17.0 25.4

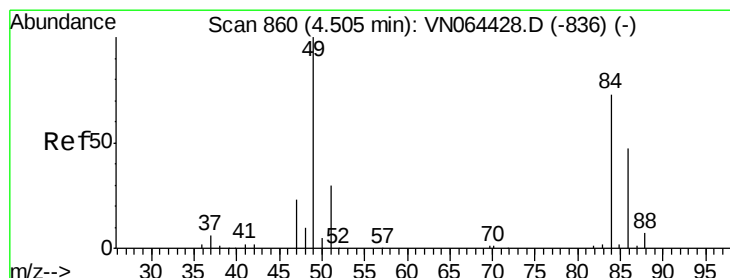
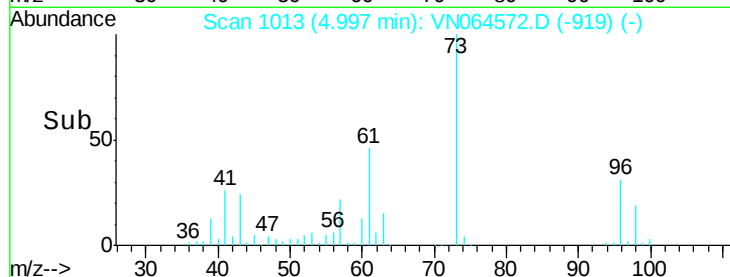
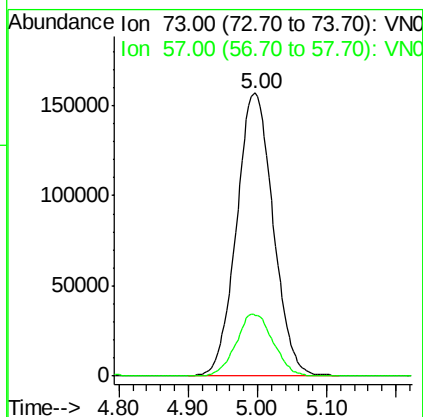
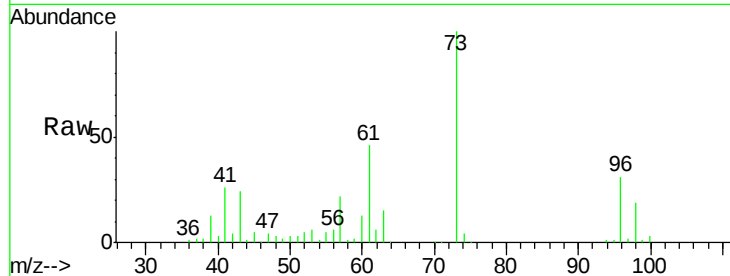




#19
Methvl tert-butvl Ether
Concen: 46.720 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

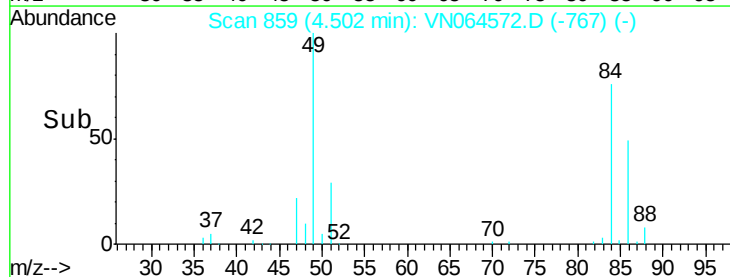
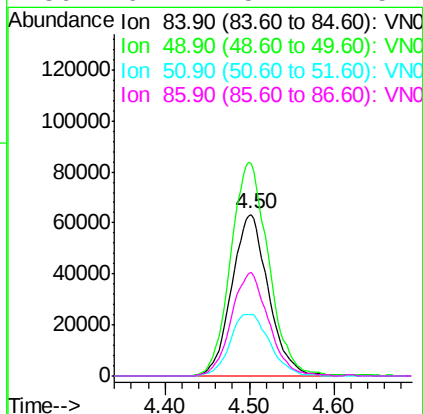
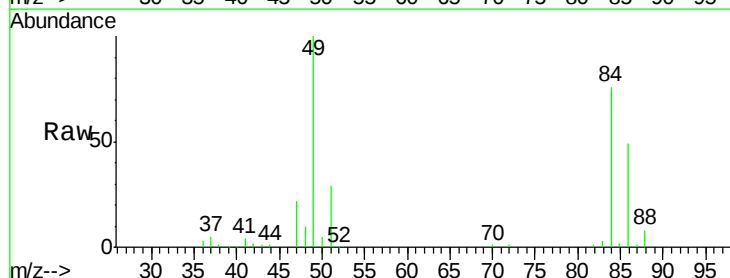
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

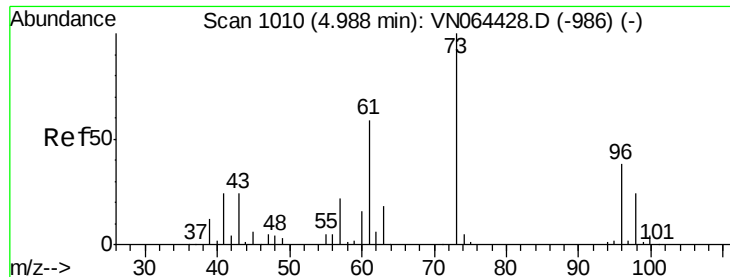
Tot Ion: 73 Resp: 577630
Ion Ratio Lower Upper
73 100
57 21.6 17.7 26.5



#20
Methylene Chloride
Concen: 45.334 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion: 84 Resp: 191694
Ion Ratio Lower Upper
84 100
49 131.5 110.1 165.1
51 38.2 33.6 50.4
86 64.2 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 47.052 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

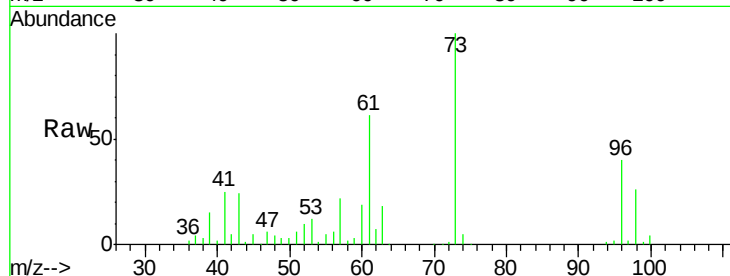
Tot Ion: 96 Resp: 183522

Ion Ratio Lower Upper

96 100

61 153.2 122.4 183.6

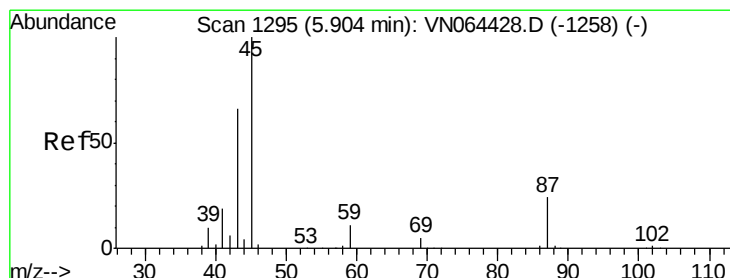
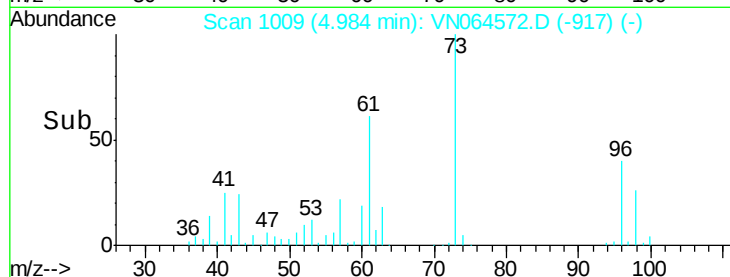
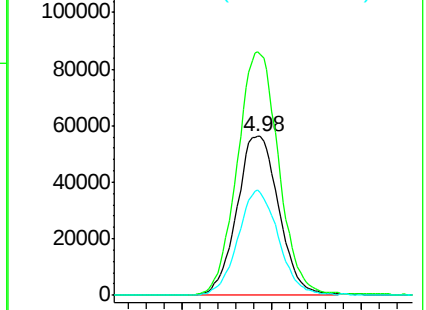
98 66.2 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VN064428.D (-986) (-)

Ion 60.90 (60.60 to 61.60): VN064428.D (-986) (-)

Ion 97.90 (97.60 to 98.60): VN064428.D (-986) (-)



#22

Diisopropyl ether

Concen: 46.079 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Tgt Ion: 45 Resp: 657304

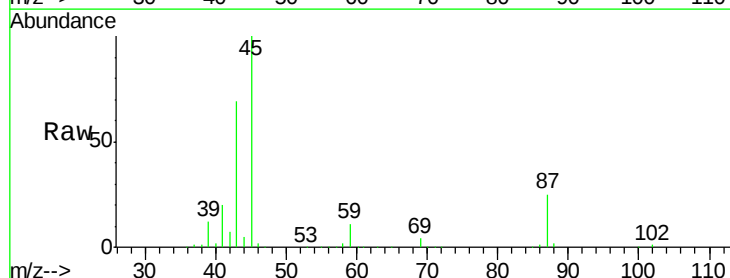
Ion Ratio Lower Upper

45 100

43 67.7 53.2 79.8

87 25.3 19.9 29.9

59 11.2 8.6 13.0

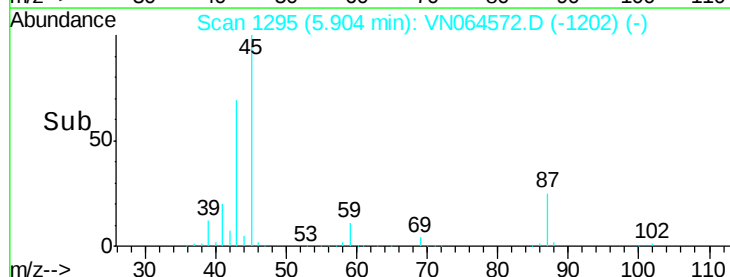
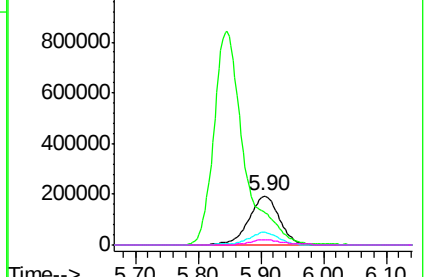


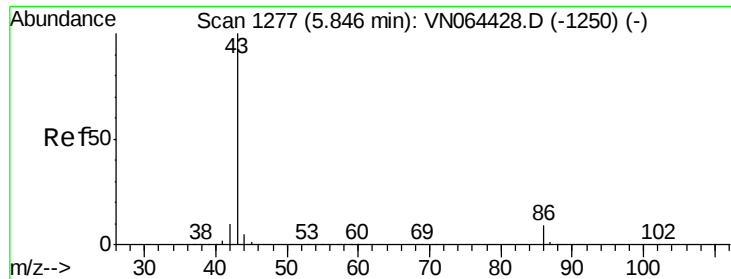
Abundance Ion 45.00 (44.70 to 45.70): VN064428.D (-1258) (-)

Ion 43.00 (42.70 to 43.70): VN064428.D (-1258) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1258) (-)

Ion 59.00 (58.70 to 59.70): VN064428.D (-1258) (-)





#23

Vinyl Acetate

Concen: 241.557 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

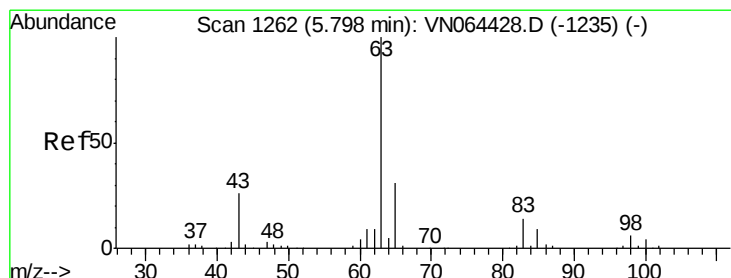
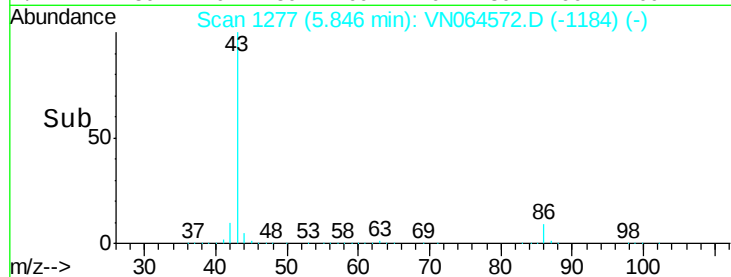
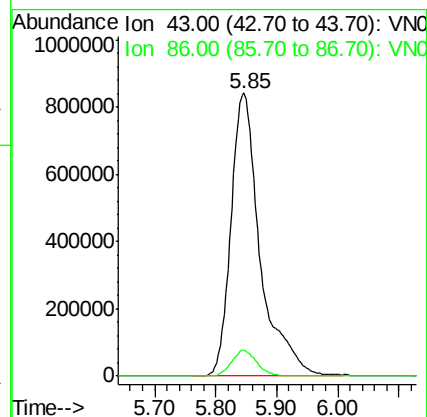
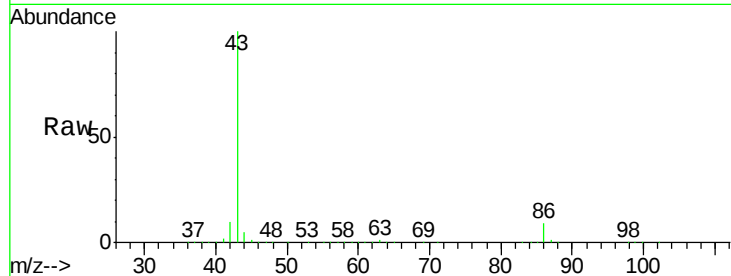
VSTDCCC050

Tot Ion: 43 Resp: 2803130

Ion Ratio Lower Upper

43 100

86 9.2 6.8 10.2



#24

1,1-Dichloroethane

Concen: 46.373 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

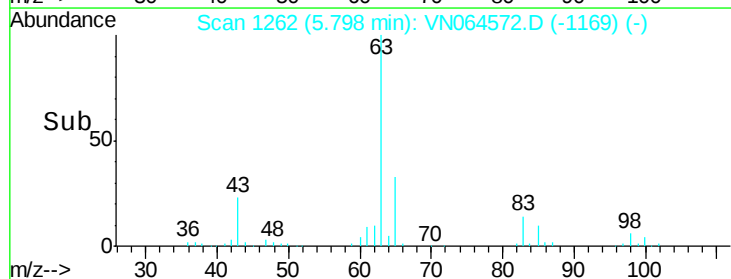
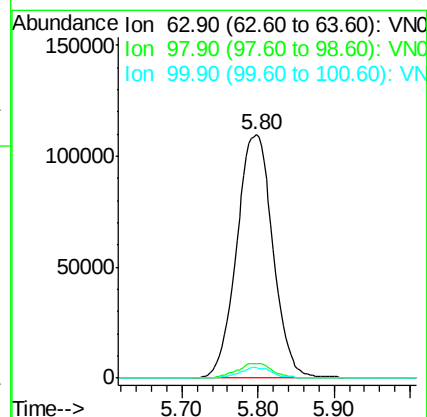
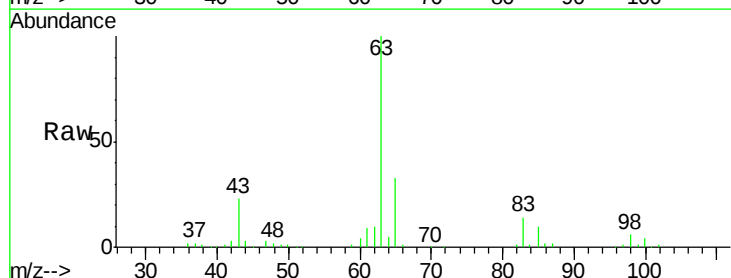
Tgt Ion: 63 Resp: 363501

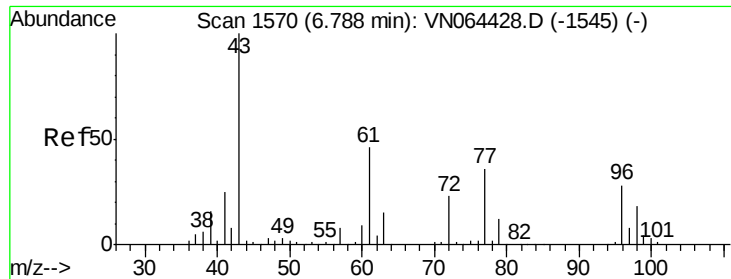
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 4.2 1.8 5.3





#25

2-Butanone

Concen: 289.341 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

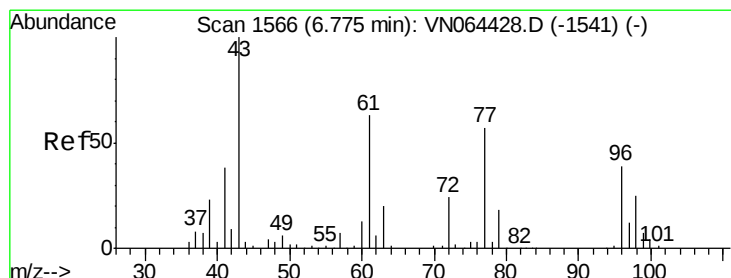
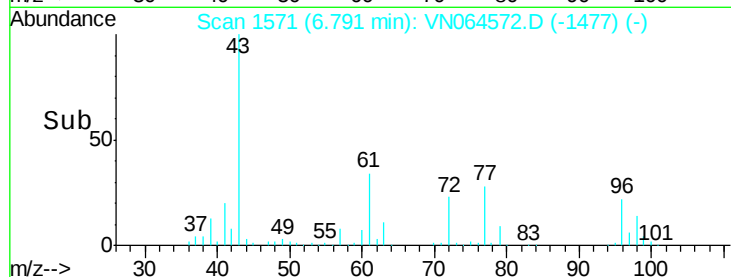
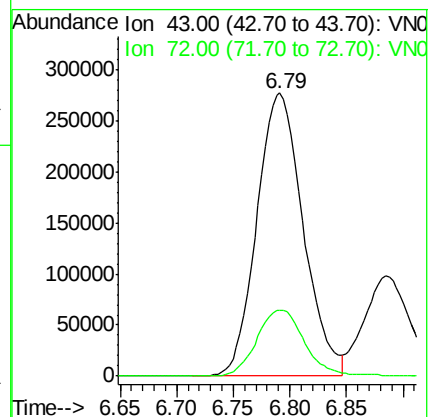
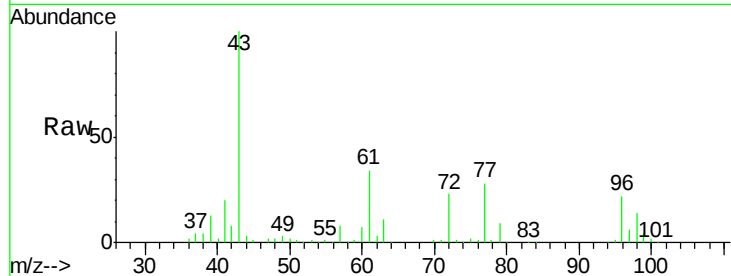
VSTDCCC050

Tot Ion: 43 Resp: 785695

Ion Ratio Lower Upper

43 100

72 23.2 18.5 27.7



#26

2,2-Dichloropropane

Concen: 47.786 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064572.D

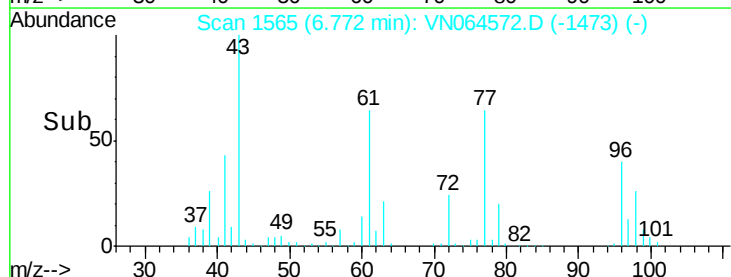
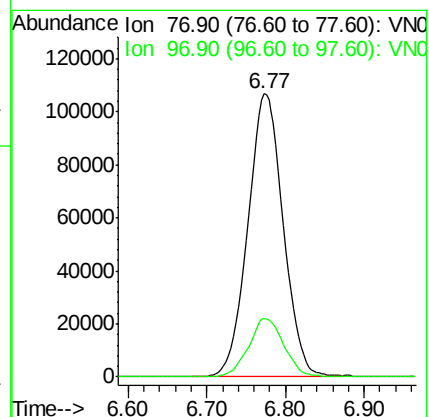
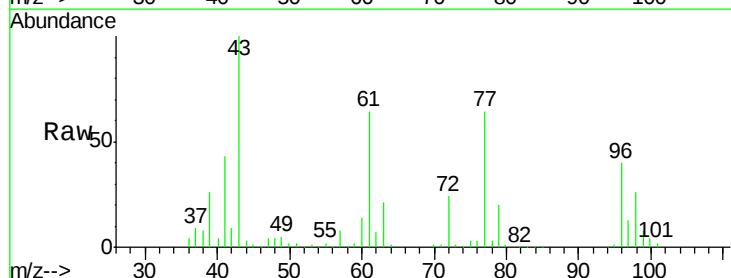
Acq: 12 Nov 2020 9:47

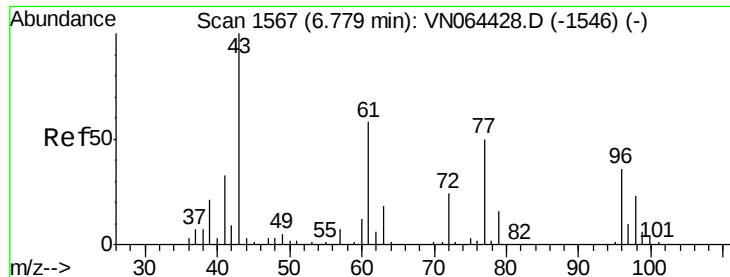
Tgt Ion: 77 Resp: 339082

Ion Ratio Lower Upper

77 100

97 20.6 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 46.109 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

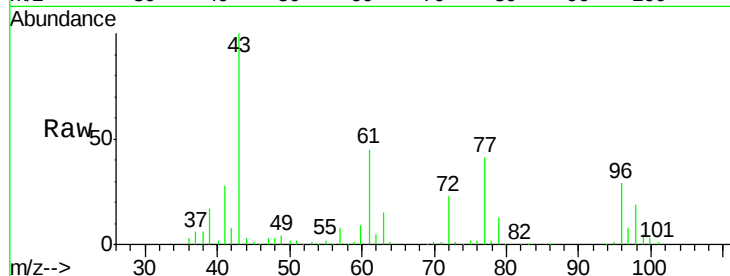
Tot Ion: 96 Resp: 208398

Ion Ratio Lower Upper

96 100

61 158.8 0.0 329.6

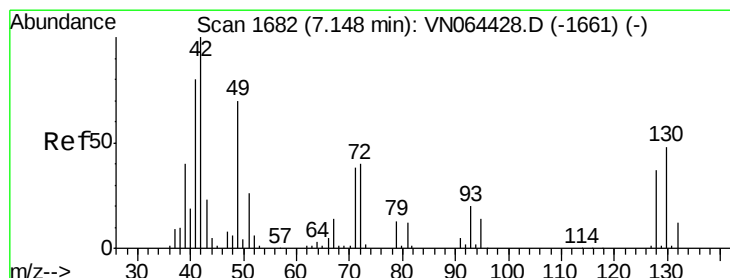
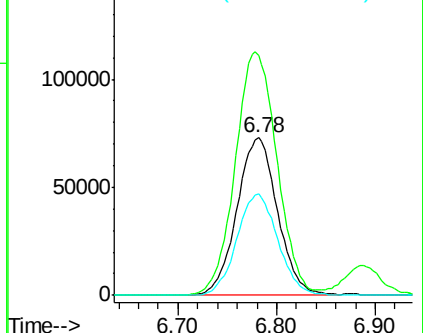
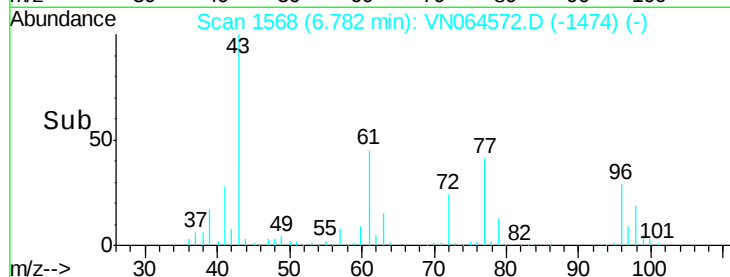
98 65.0 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN064572.D (-1474) (-)

Ion 60.90 (60.60 to 61.60): VN064572.D (-1474) (-)

Ion 97.90 (97.60 to 98.60): VN064572.D (-1474) (-)



#28

Bromochloromethane

Concen: 47.053 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

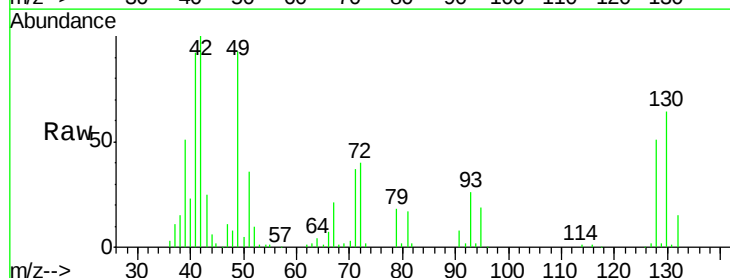
Tgt Ion: 49 Resp: 181292

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.6

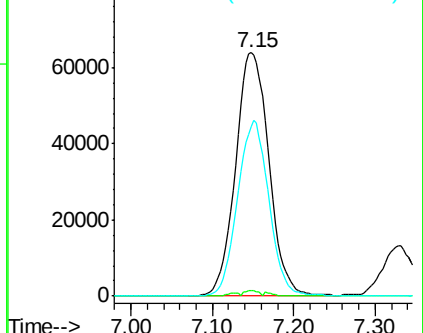
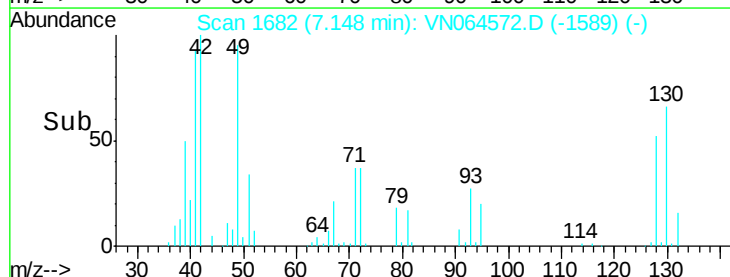
130 67.5 54.2 81.4



Abundance Ion 48.90 (48.60 to 49.60): VN064572.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN064572.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064572.D (-1589) (-)

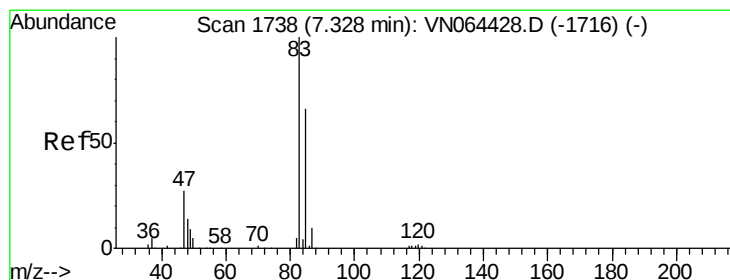
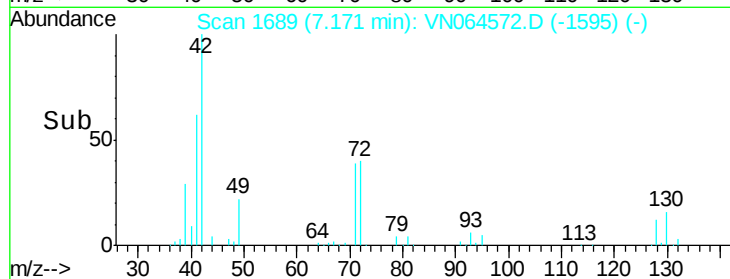
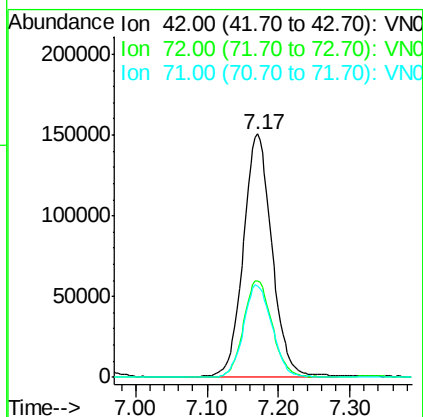
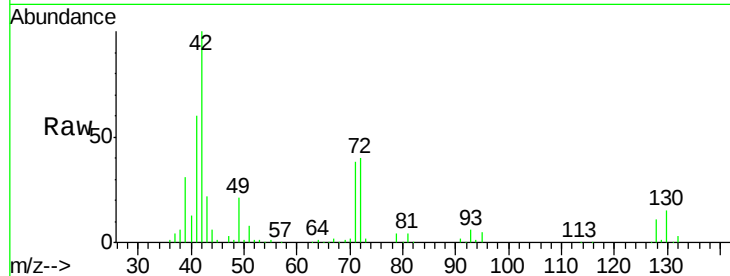




#29
Tetrahydrofuran
Concen: 251.847 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

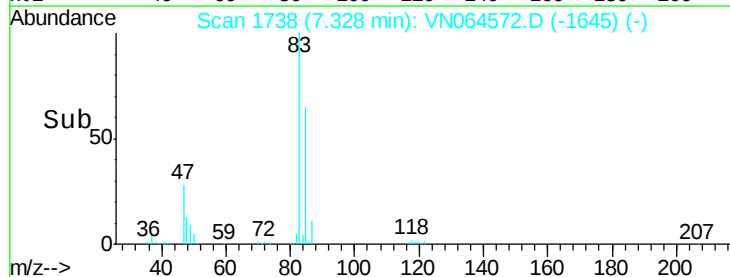
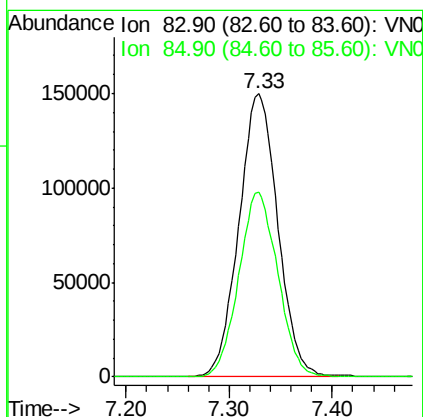
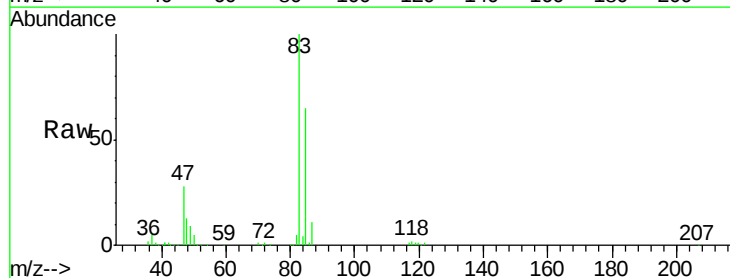
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

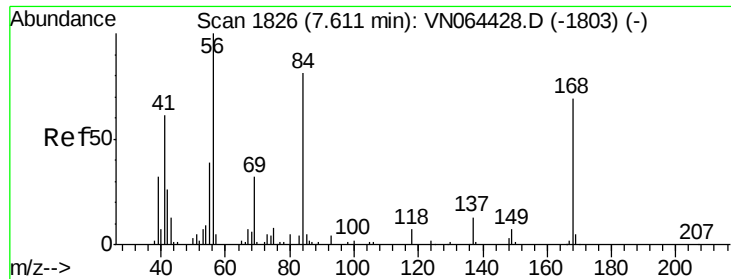
Tot Ion: 42 Resp: 419578
Ion Ratio Lower Upper
42 100
72 39.6 31.7 47.5
71 37.9 29.8 44.6



#30
Chloroform
Concen: 47.618 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion: 83 Resp: 392356
Ion Ratio Lower Upper
83 100
85 65.4 52.5 78.7

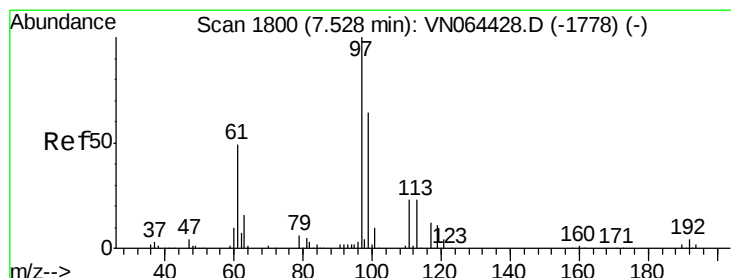
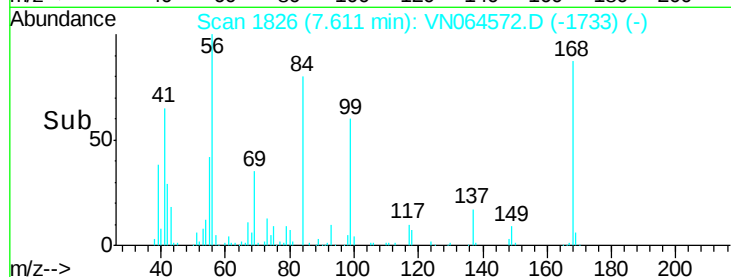
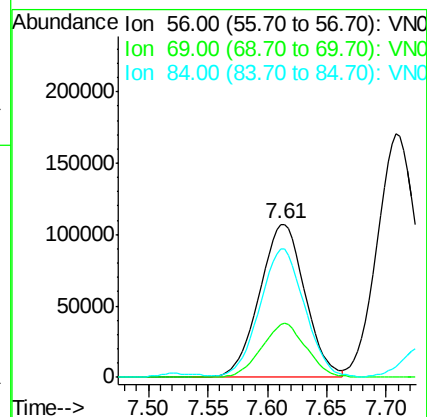
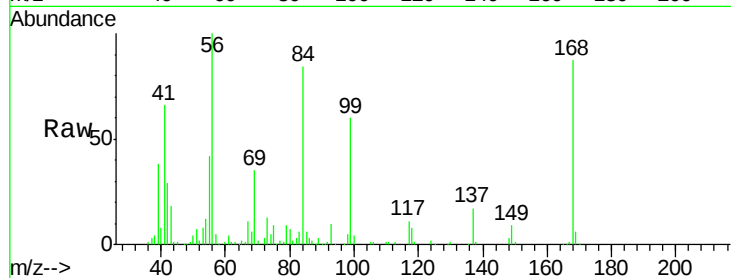




#31
Cyclohexane
Concen: 41.834 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

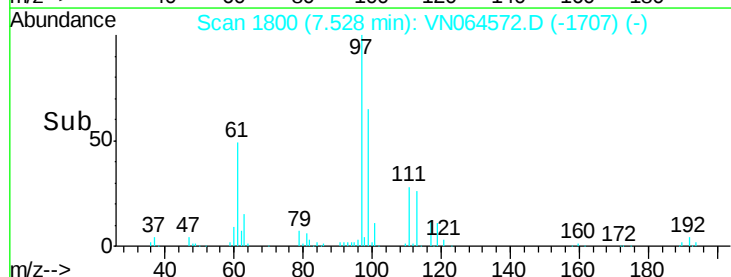
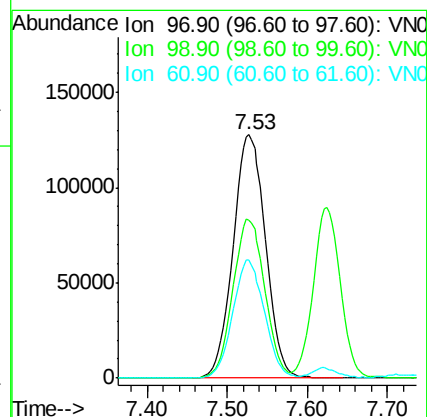
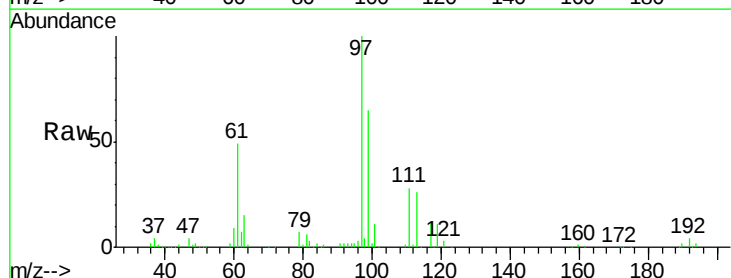
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

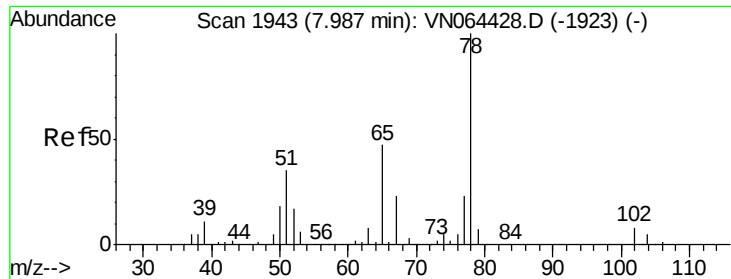
Tot Ion: 56 Resp: 284524
Ion Ratio Lower Upper
56 100
69 34.6 25.6 38.4
84 81.9 63.0 94.6



#32
1,1,1-Trichloroethane
Concen: 48.041 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion: 97 Resp: 351083
Ion Ratio Lower Upper
97 100
99 64.0 51.3 76.9
61 47.4 39.1 58.7

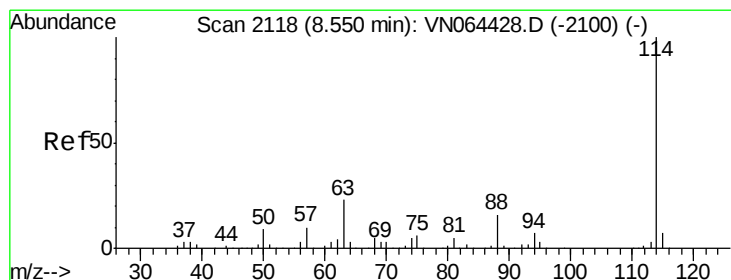
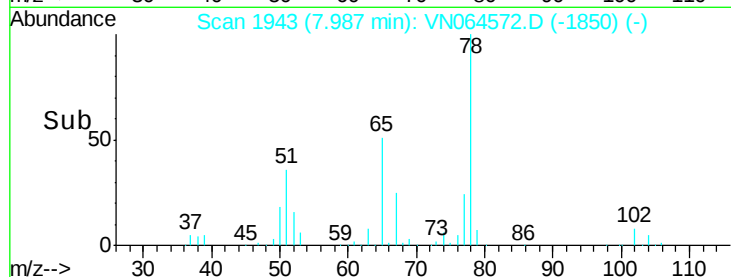
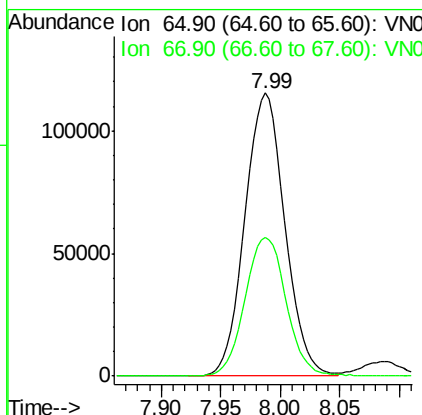
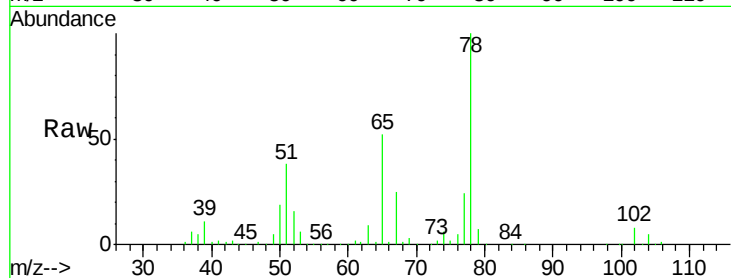




#33
 1,2-Dichloroethane-d4
 Concen: 48.029 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064572.D
 Acq: 12 Nov 2020 9:47

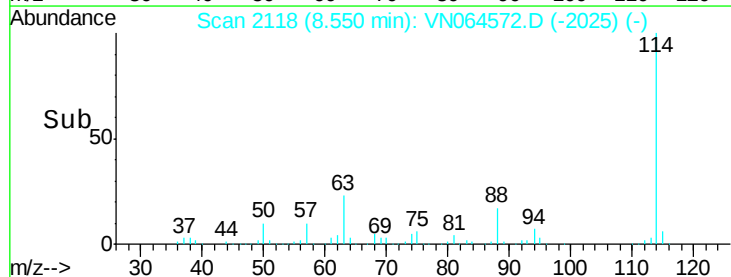
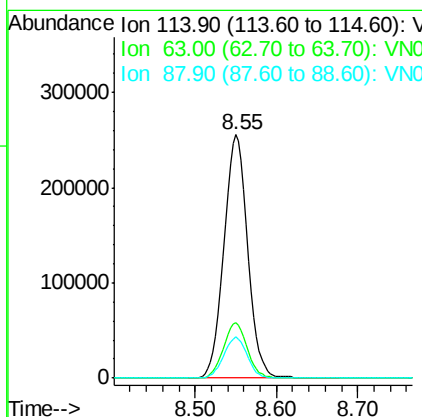
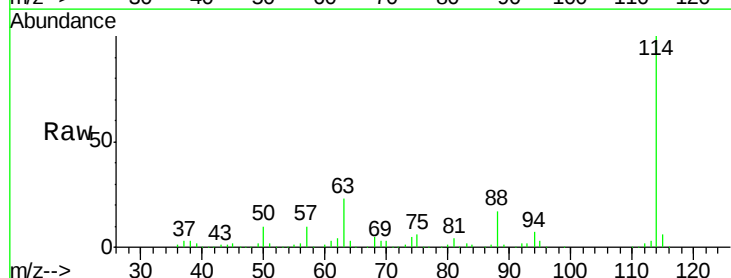
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

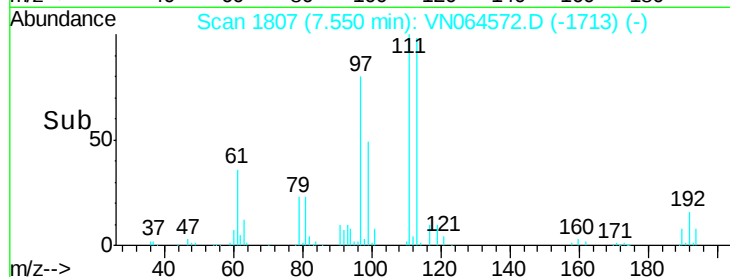
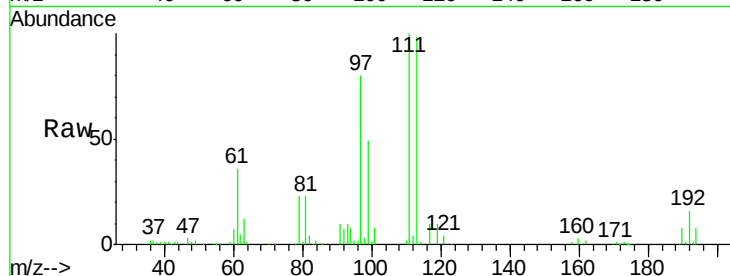
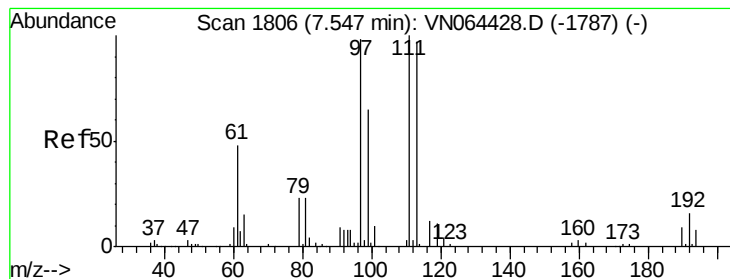
Tot Ion: 65 Resp: 268716
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064572.D
 Acq: 12 Nov 2020 9:47

Tgt Ion: 114 Resp: 528201
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.6
 88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.449 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

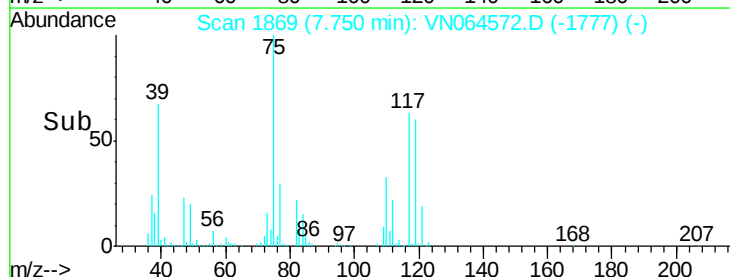
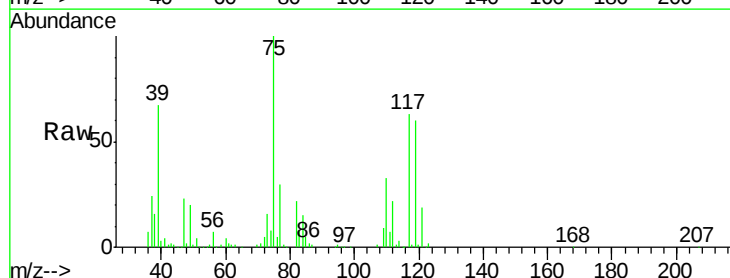
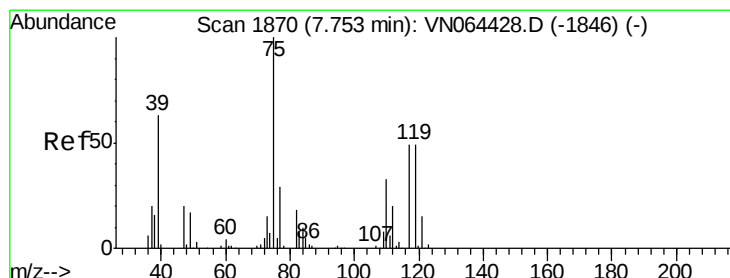
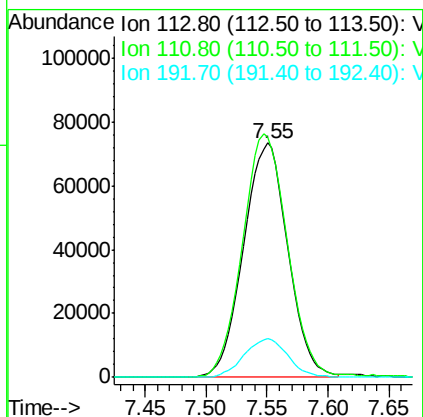
Tot Ion:113 Resp: 185026

Ion Ratio Lower Upper

113 100

111 105.4 81.1 121.7

192 16.3 12.8 19.2



#36

1,1-Dichloropropene

Concen: 50.355 ug/l

RT: 7.75 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

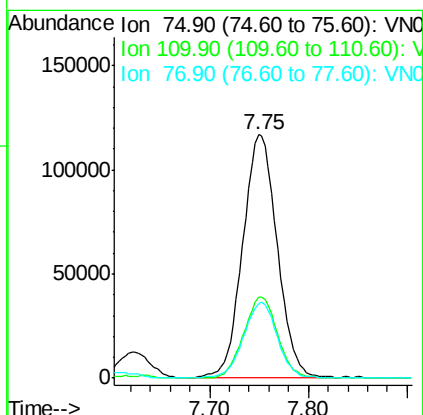
Tgt Ion: 75 Resp: 280985

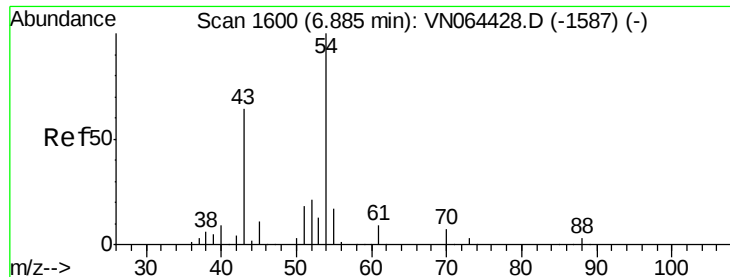
Ion Ratio Lower Upper

75 100

110 33.0 16.0 48.0

77 30.8 24.0 36.0

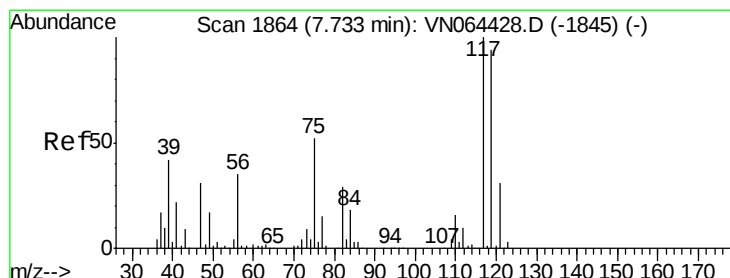
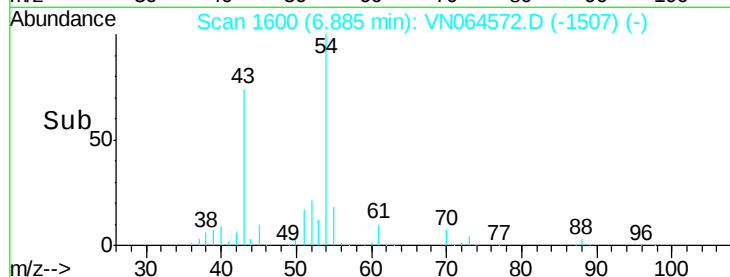
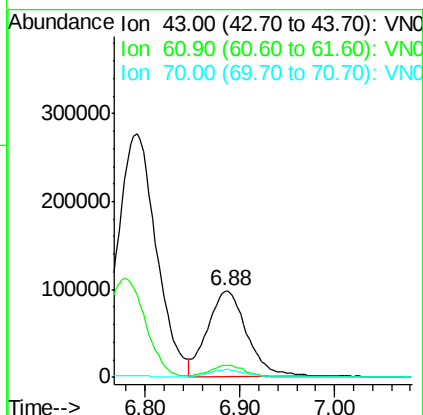
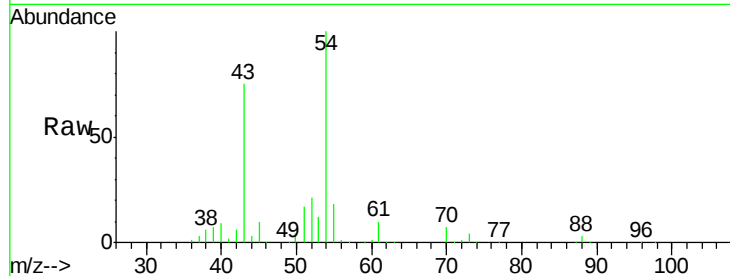




#37
Ethyl Acetate
Concen: 49.951 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

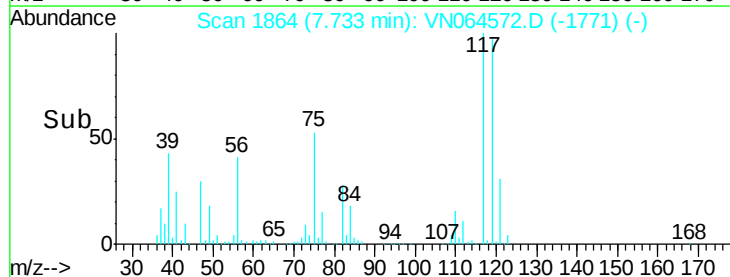
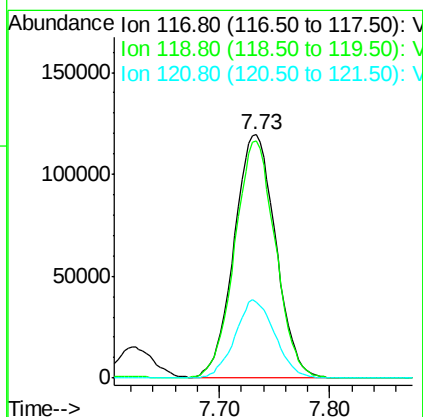
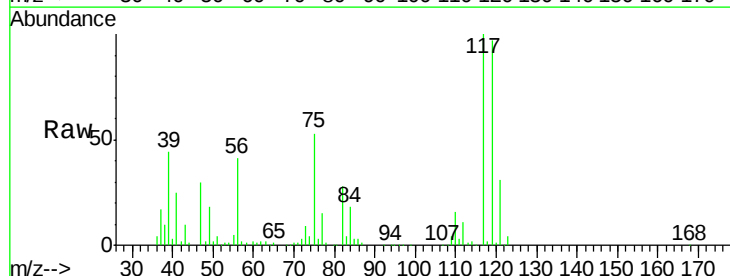
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

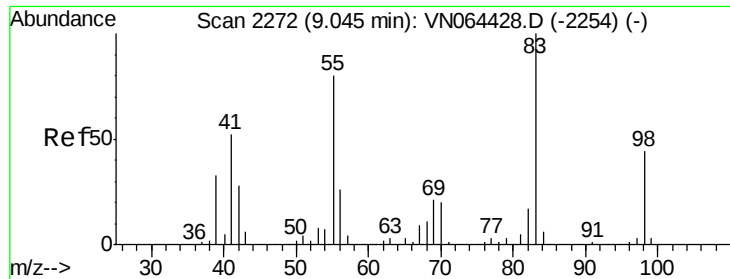
Tot Ion: 43 Resp: 282891
Ion Ratio Lower Upper
43 100
61 12.3 10.0 15.0
70 8.0 7.1 10.7



#38
Carbon Tetrachloride
Concen: 51.996 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion: 117 Resp: 310088
Ion Ratio Lower Upper
117 100
119 97.4 75.5 113.3
121 31.2 24.4 36.6

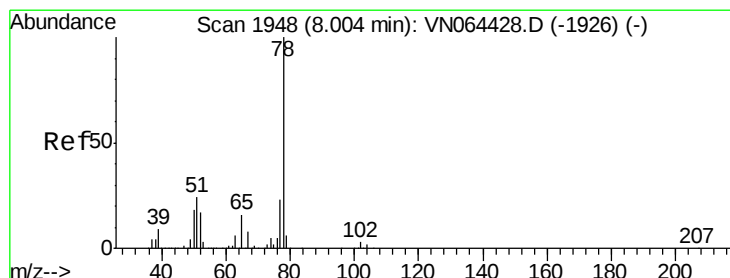
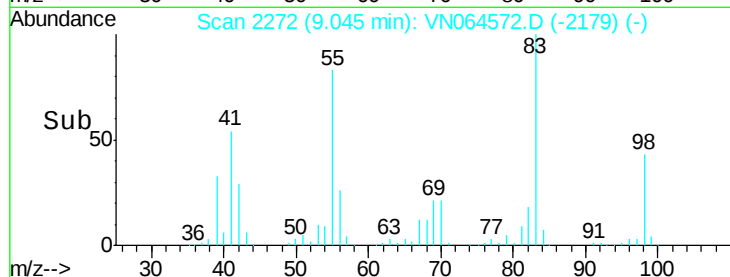
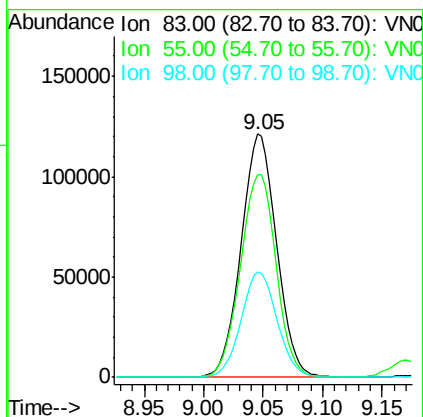
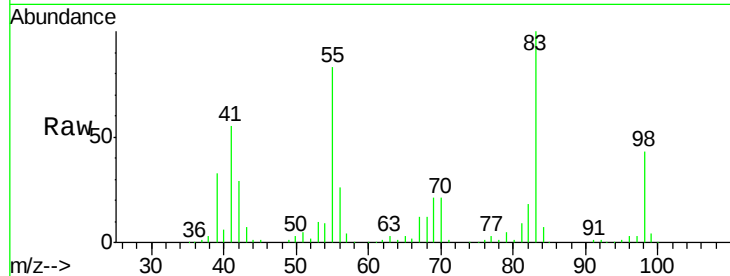




#39
Methvlcvclohexane
Concen: 50.211 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

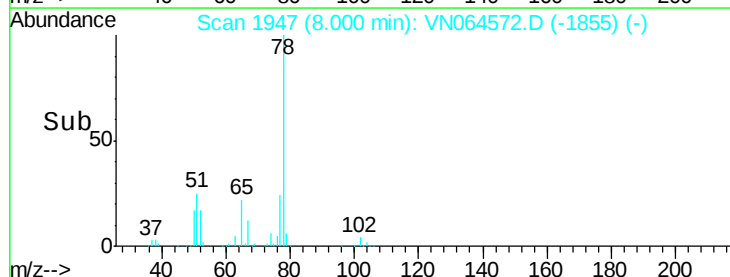
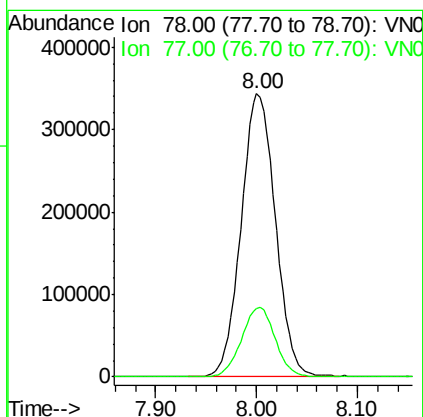
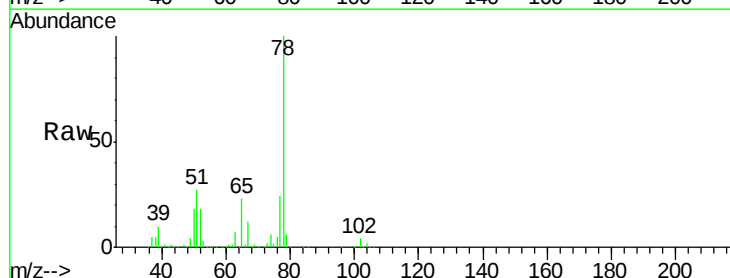
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

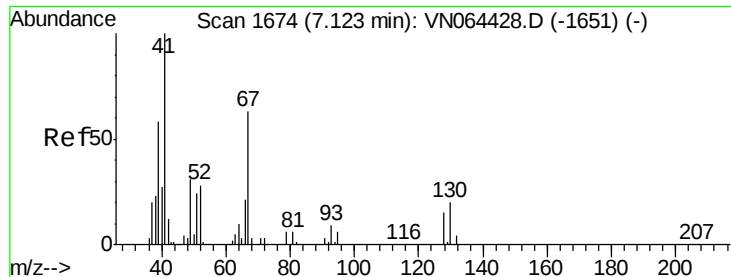
Tot Ion: 83 Resp: 251166
Ion Ratio Lower Upper
83 100
55 83.2 63.8 95.6
98 43.4 35.4 53.2



#40
Benzene
Concen: 49.324 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion: 78 Resp: 808776
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1

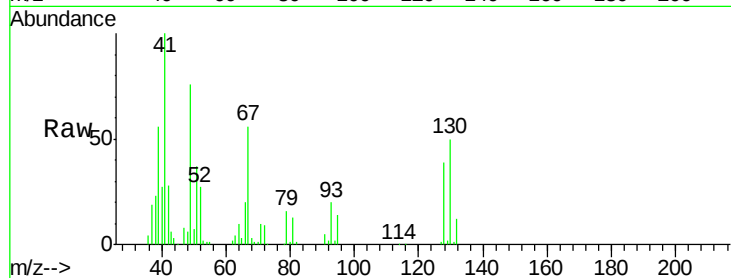




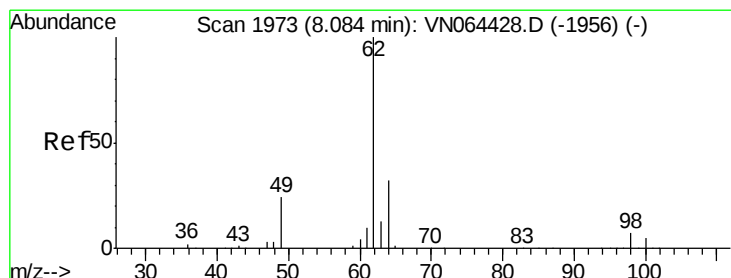
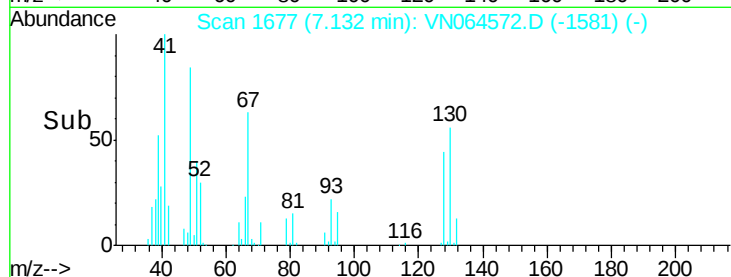
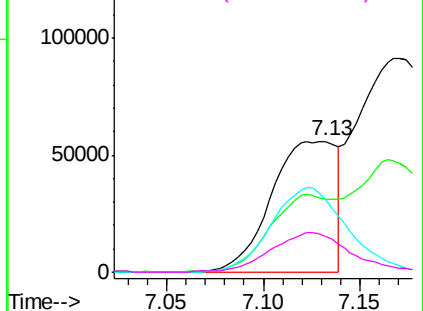
#41
Methacrylonitrile
Concen: 52.806 ug/l
RT: 7.13 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	130637
Ion	Ratio	Lower	Upper
41	100		
39	53.6	50.0	75.0
67	76.2	68.3	102.5
52	38.3	32.7	49.1

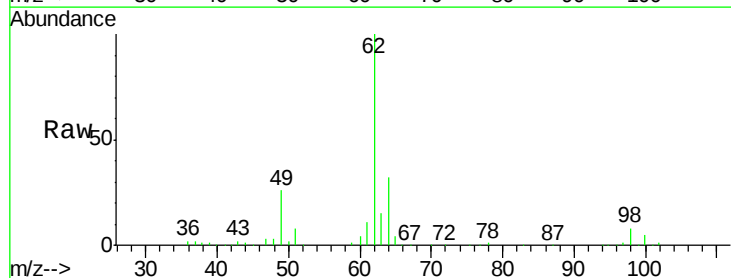


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

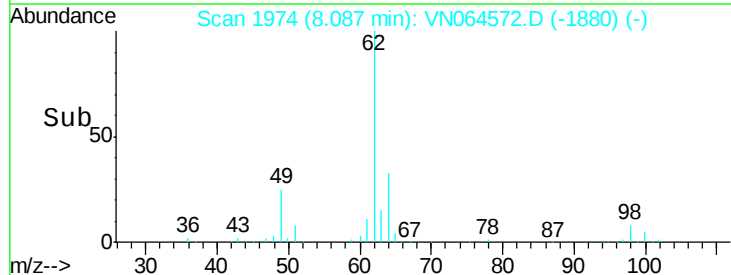
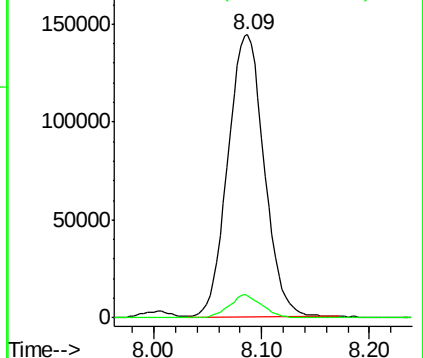


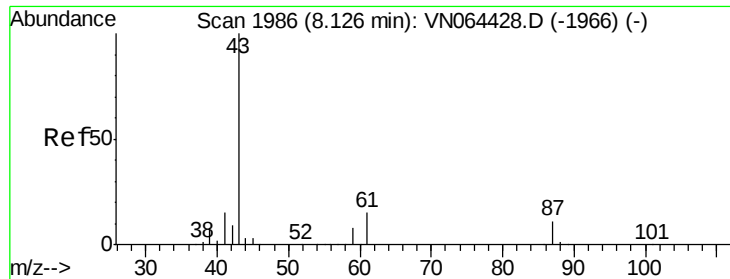
#42
1,2-Dichloroethane
Concen: 51.161 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion:	62	Resp:	338542
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	14.0



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





#43

Isopropyl Acetate

Concen: 50.673 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

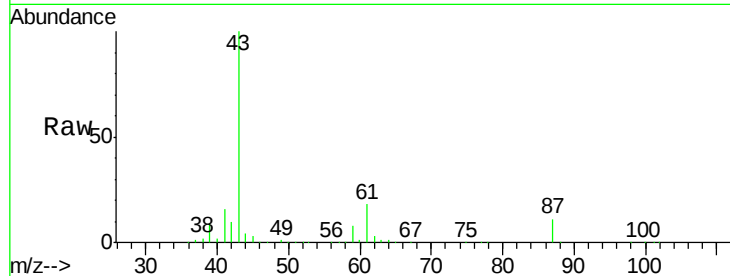
Tot Ion: 43 Resp: 458233

Ion Ratio Lower Upper

43 100

61 17.2 14.0 21.0

87 11.3 9.1 13.7



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

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

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

8.13

250000

200000

150000

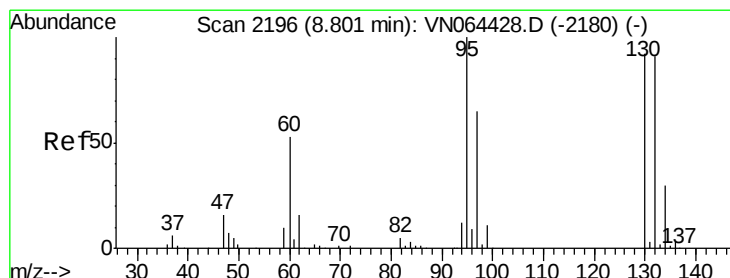
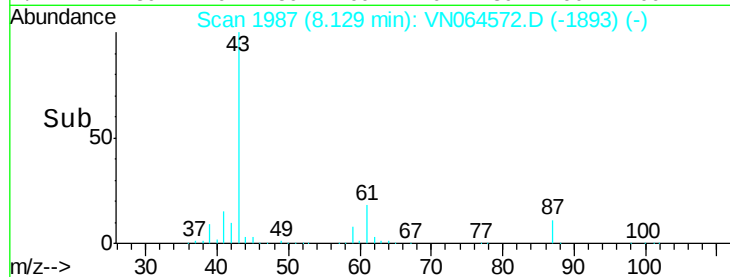
100000

50000

0

8.00 8.05 8.10 8.15 8.20

Time-->



#44

Trichloroethene

Concen: 49.335 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064572.D

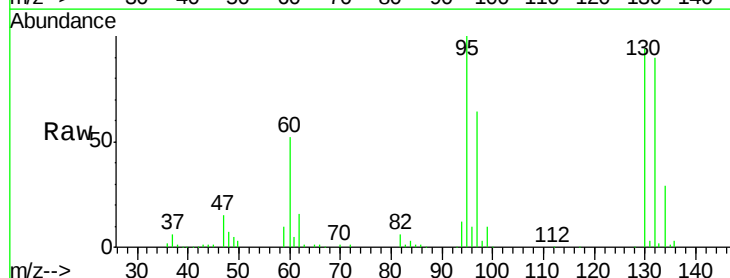
Acq: 12 Nov 2020 9:47

Tgt Ion:130 Resp: 204099

Ion Ratio Lower Upper

130 100

95 106.0 0.0 216.8



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

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

120000

100000

80000

60000

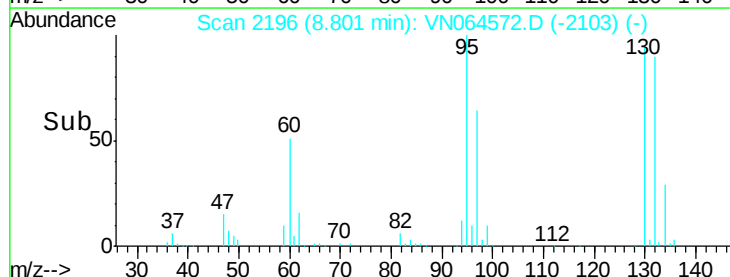
40000

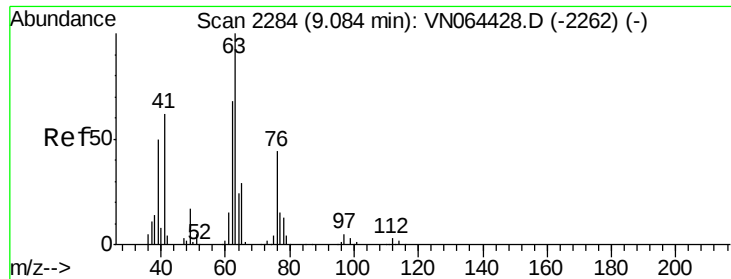
20000

0

8.70 8.80 8.90

Time-->

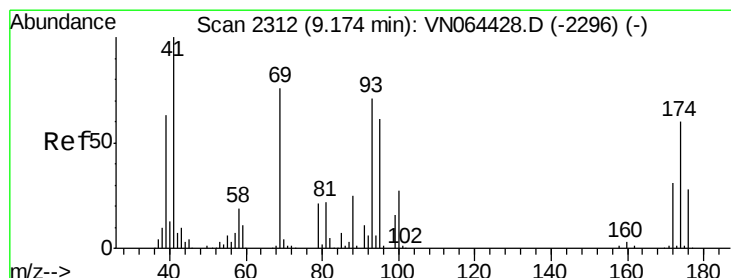
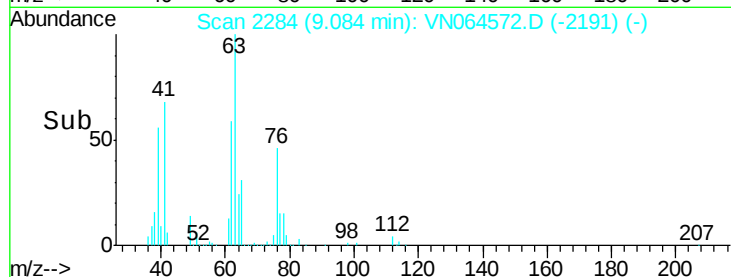
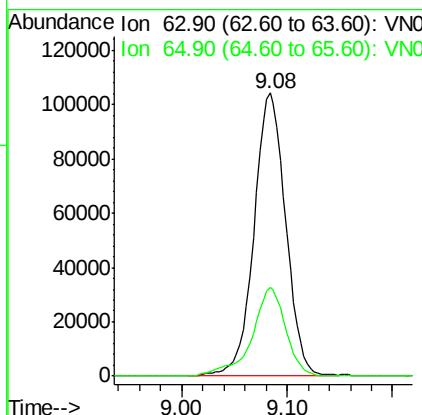
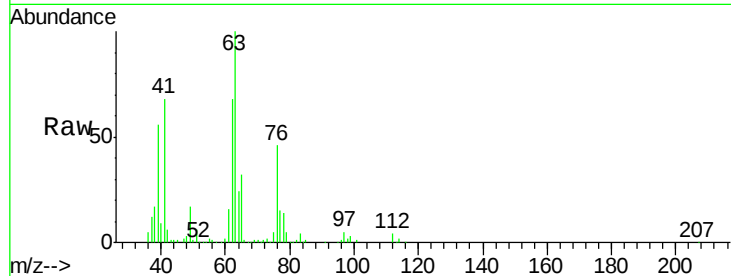




#45
 1,2-Dichloropropane
 Concen: 49.867 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064572.D
 Acq: 12 Nov 2020 9:47

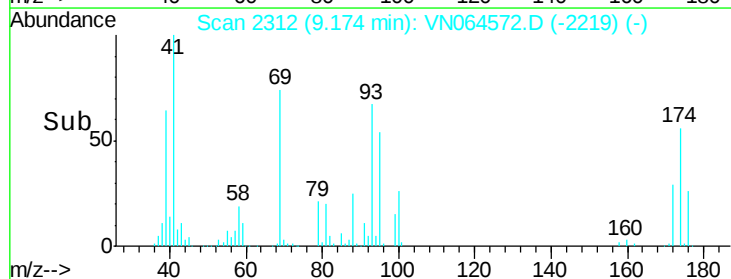
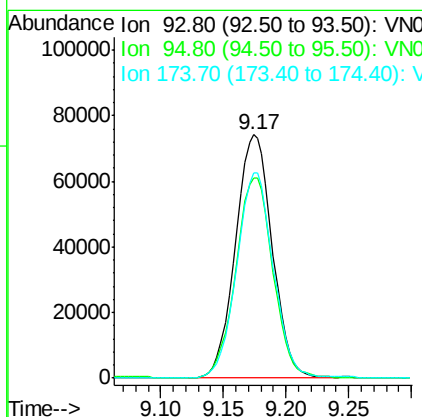
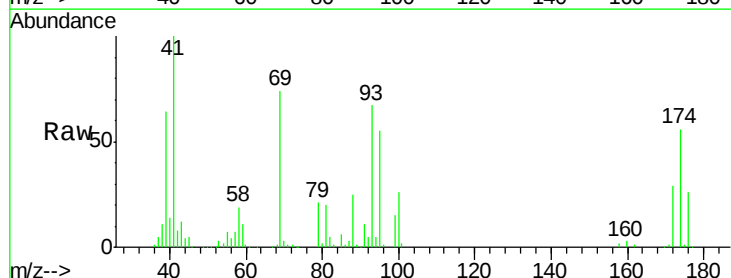
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

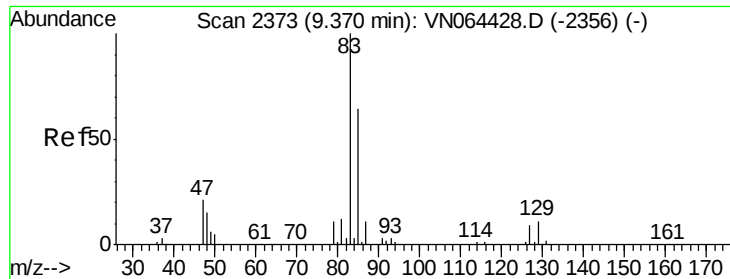
Tot Ion: 63 Resp: 218173
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.6 35.4



#46
 Dibromomethane
 Concen: 52.611 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064572.D
 Acq: 12 Nov 2020 9:47

Tgt Ion: 93 Resp: 151524
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.4 99.6
 174 83.6 67.2 100.8





#47

Bromodichloromethane

Concen: 53.280 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

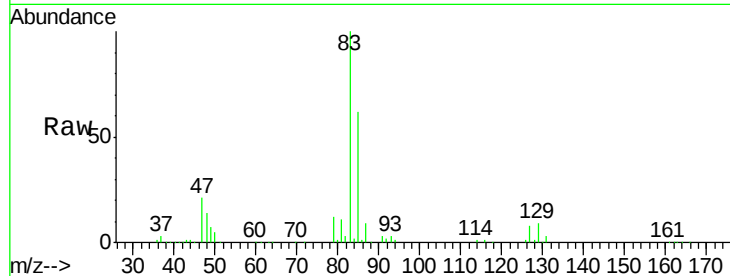
Tot Ion: 83 Resp: 329950

Ion Ratio Lower Upper

83 100

85 61.6 51.2 76.8

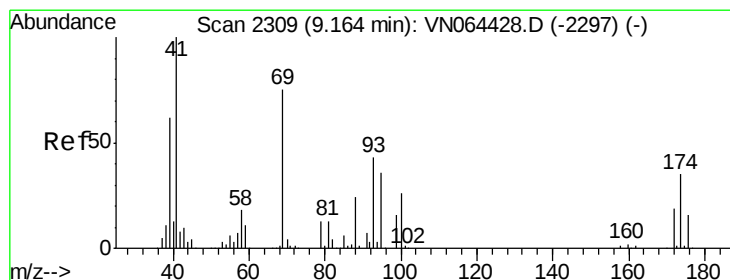
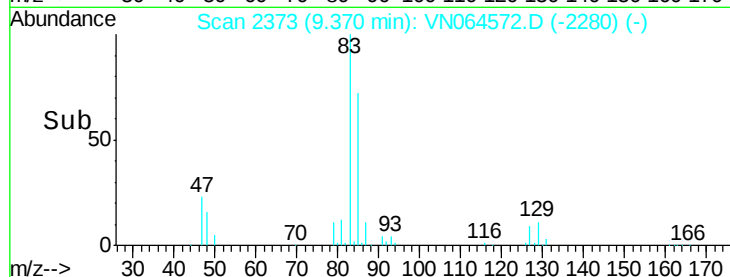
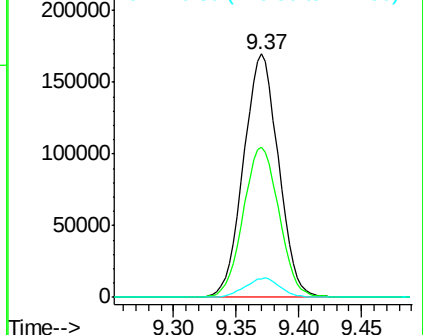
127 7.8 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN064428.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN064428.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN064428.D (-2356) (-)



#48

Methyl methacrylate

Concen: 53.268 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

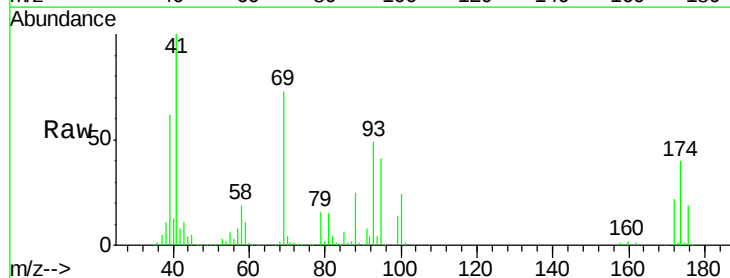
Tgt Ion: 41 Resp: 243069

Ion Ratio Lower Upper

41 100

69 74.0 60.4 90.6

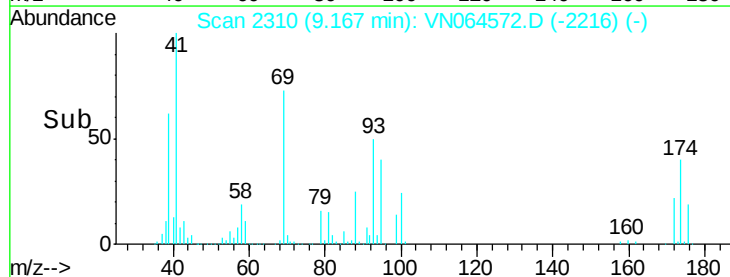
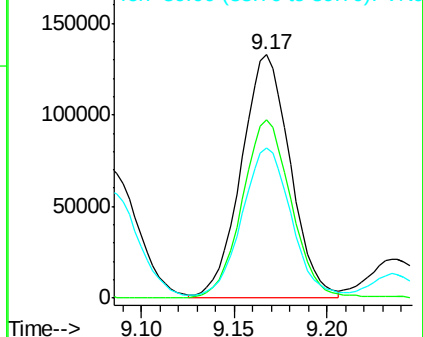
39 62.5 51.2 76.8

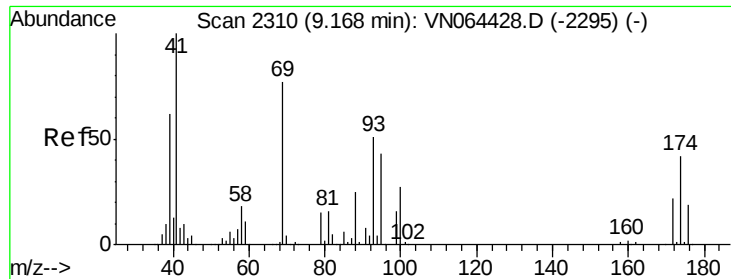


Abundance Ion 41.00 (40.70 to 41.70): VN064428.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064428.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-2297) (-)





#49

1,4-Dioxane

Concen: 1147.087 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

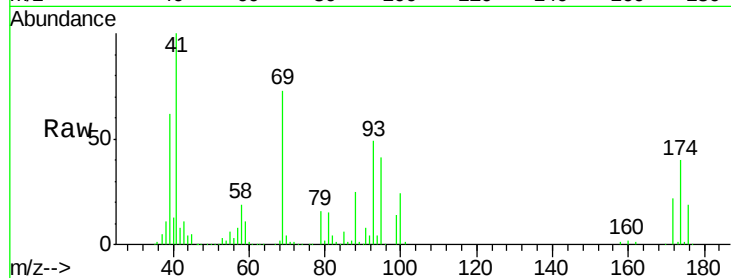
Tot Ion: 88 Resp: 68943

Ion Ratio Lower Upper

88 100

43 39.9 31.0 46.6

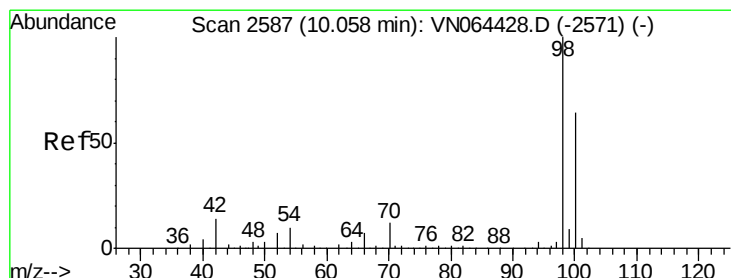
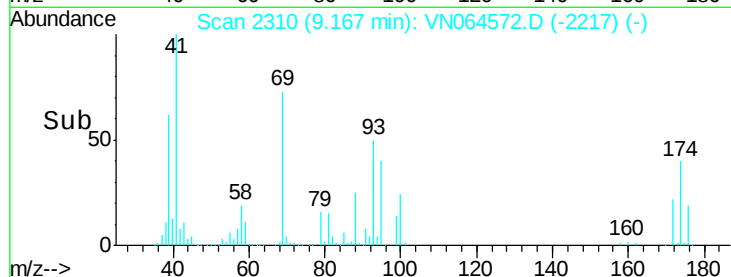
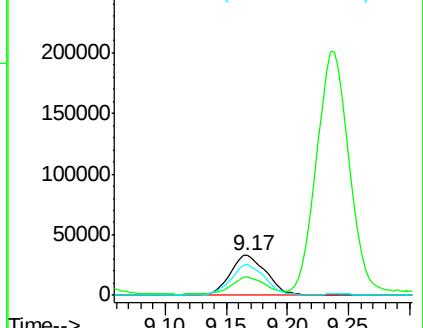
58 71.8 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN064428.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN064428.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2295) (-)



#50

Toluene-d8

Concen: 50.808 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064572.D

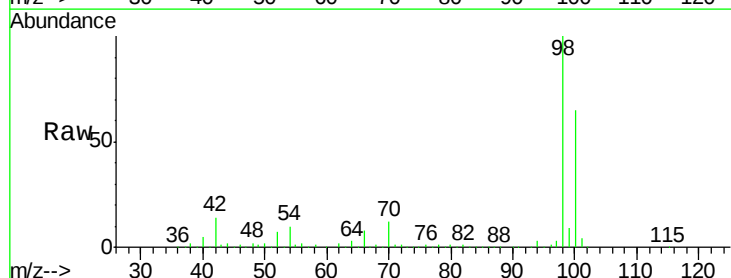
Acq: 12 Nov 2020 9:47

Tgt Ion: 98 Resp: 706215

Ion Ratio Lower Upper

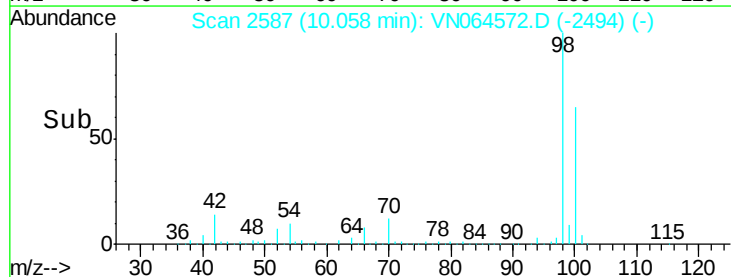
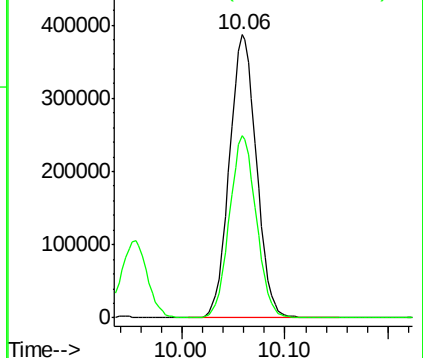
98 100

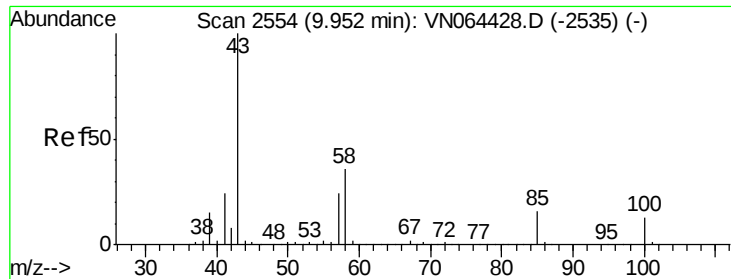
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)





#51

4-Methyl-2-Pentanone

Concen: 279.504 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

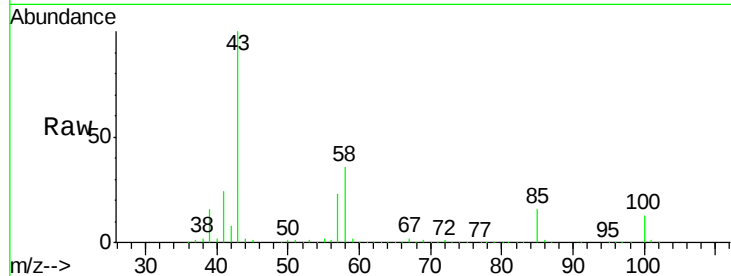
VSTDCCC050

Tot Ion: 43 Resp: 1473992

Ion Ratio Lower Upper

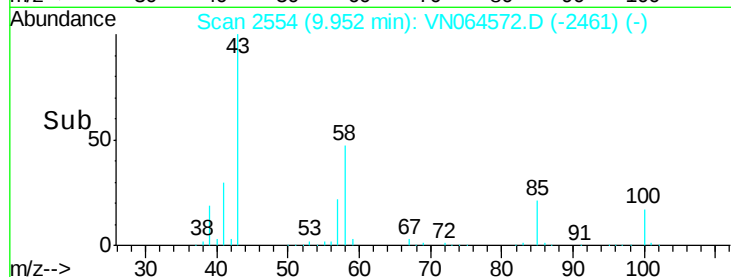
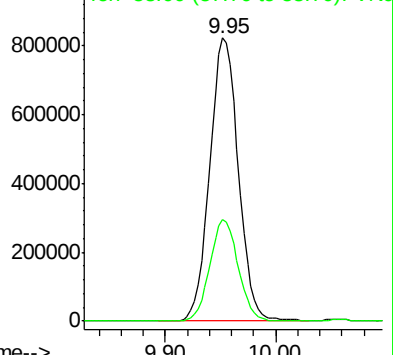
43 100

58 35.6 28.4 42.6

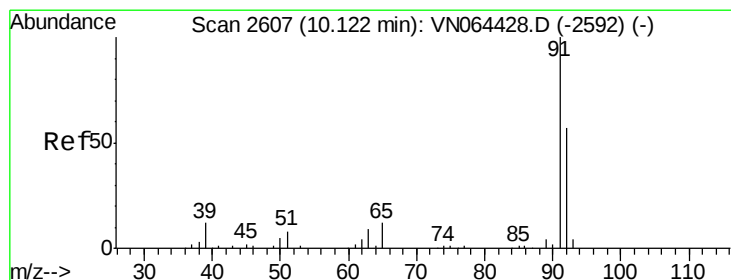


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 51.564 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064572.D

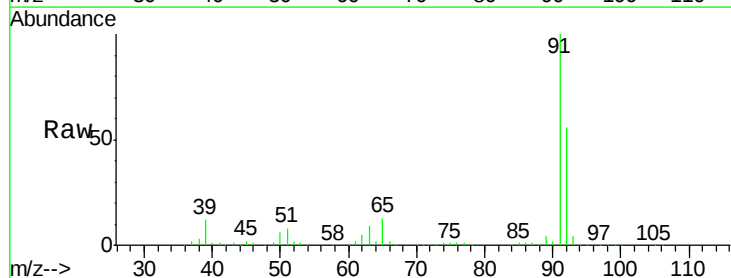
Acq: 12 Nov 2020 9:47

Tgt Ion: 92 Resp: 515688

Ion Ratio Lower Upper

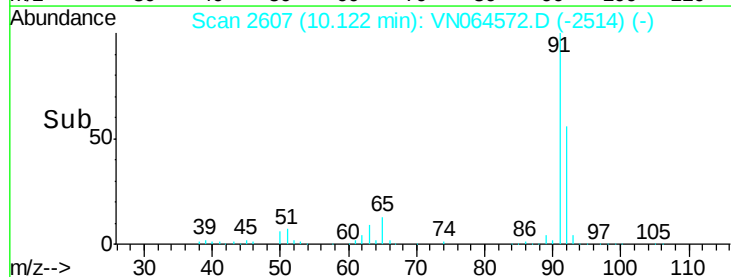
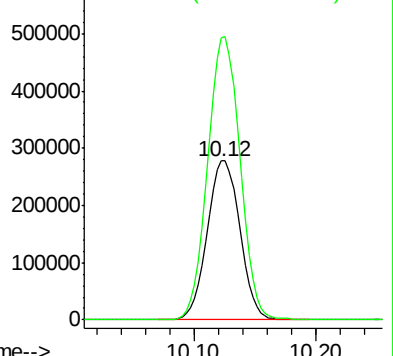
92 100

91 175.8 139.6 209.4

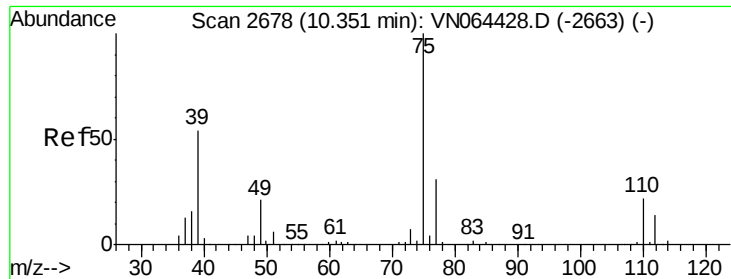


Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->



#53

t-1,3-Dichloropropene

Concen: 52.387 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

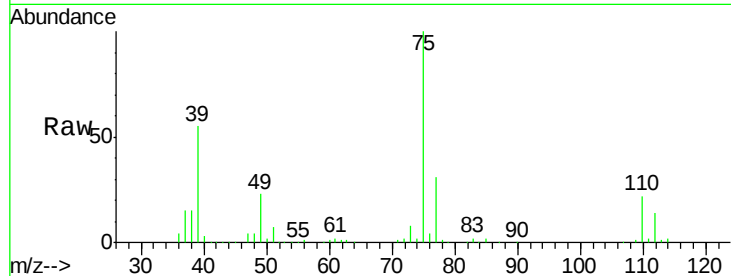
VSTDCCC050

Tot Ion: 75 Resp: 343940

Ion Ratio Lower Upper

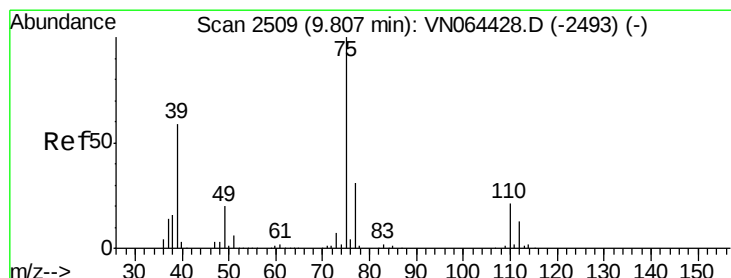
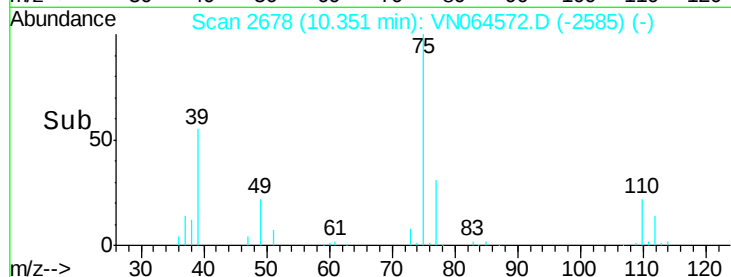
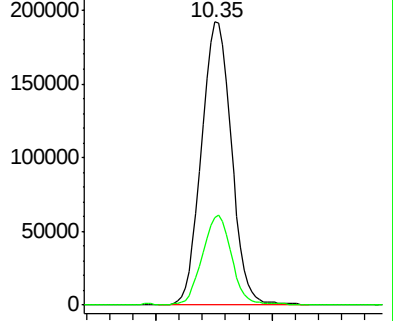
75 100

77 30.9 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 51.091 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

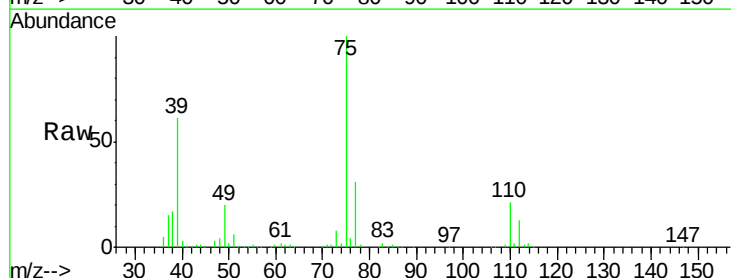
Tgt Ion: 75 Resp: 358640

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3

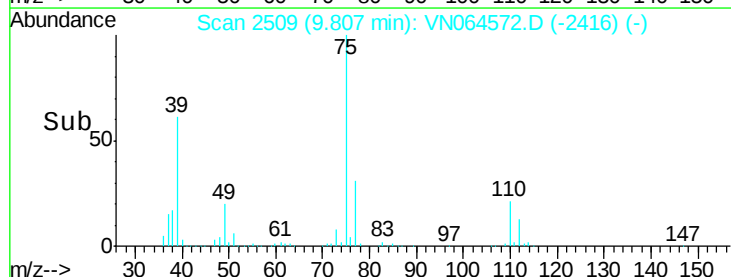
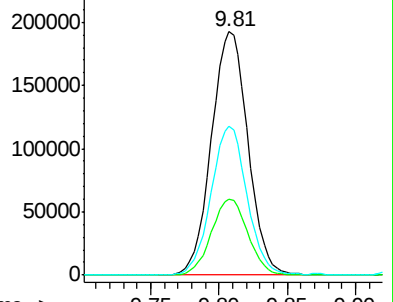
39 60.8 47.1 70.7

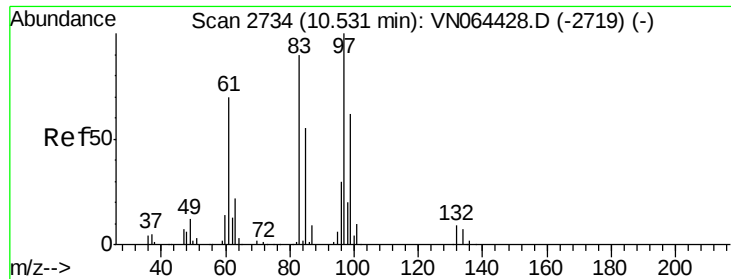


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 52.796 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 205920

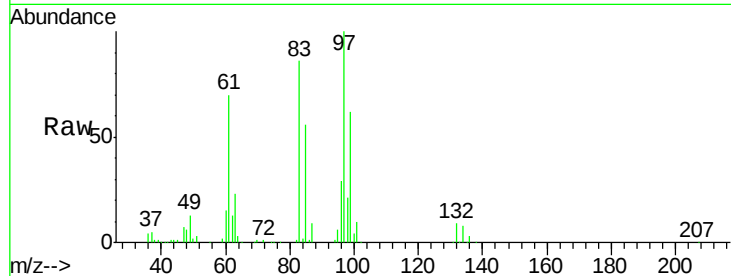
Ion Ratio Lower Upper

97 100

83 86.4 71.7 107.5

85 56.5 44.3 66.5

99 62.0 49.4 74.2

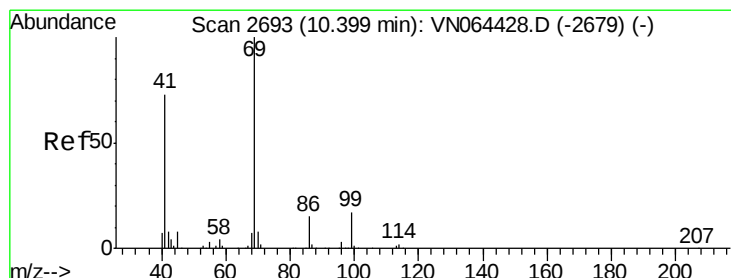
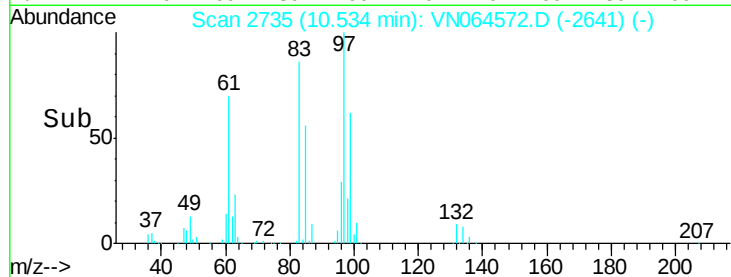
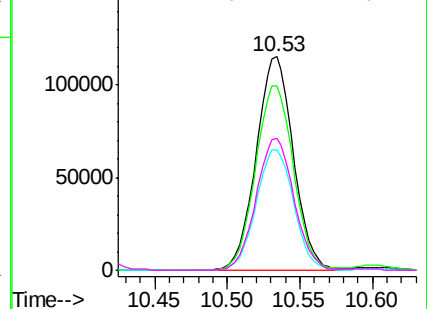


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 45.929 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

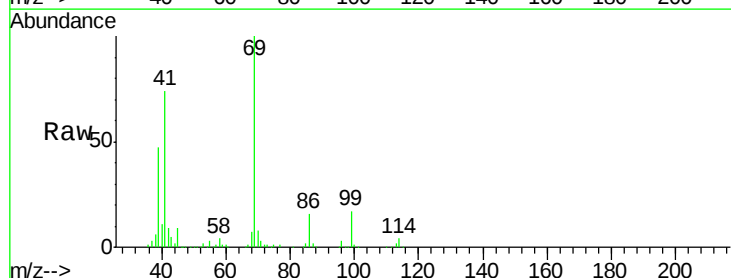
Tgt Ion: 69 Resp: 293732

Ion Ratio Lower Upper

69 100

41 74.3 59.3 88.9

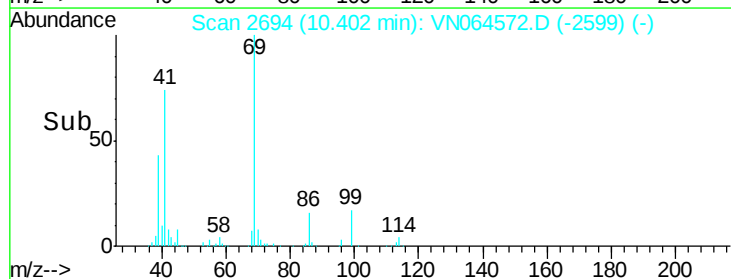
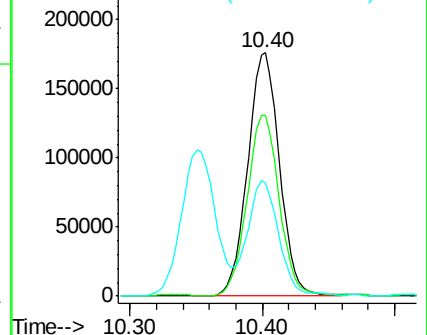
39 46.3 35.4 53.0

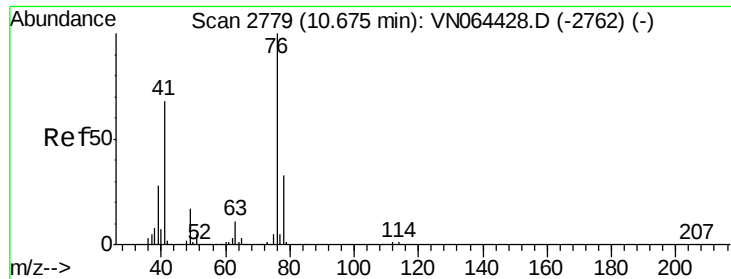


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

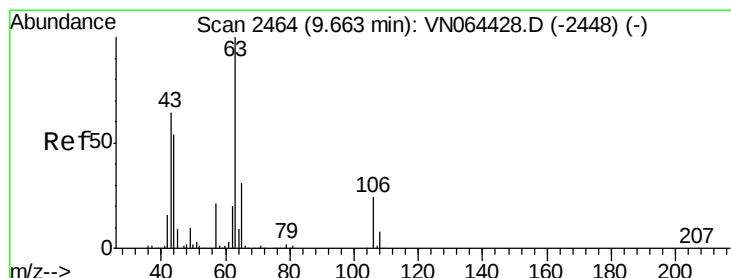
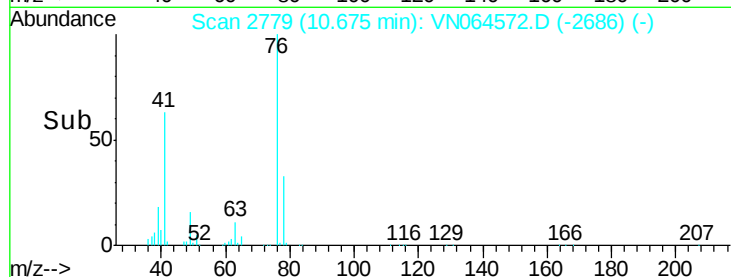
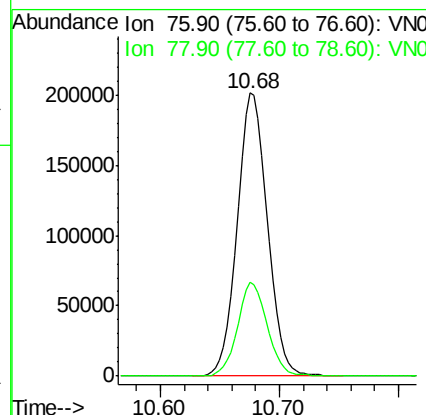
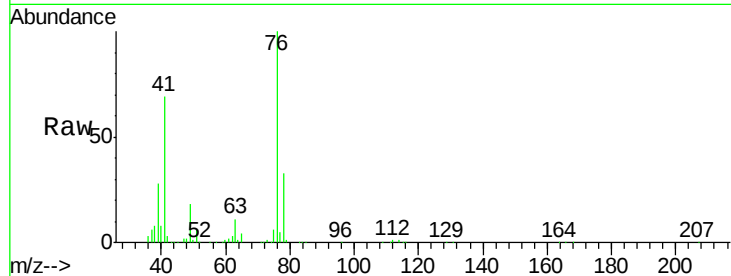




#57
 1,3-Dichloropropane
 Concen: 51.916 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064572.D
 Acq: 12 Nov 2020 9:47

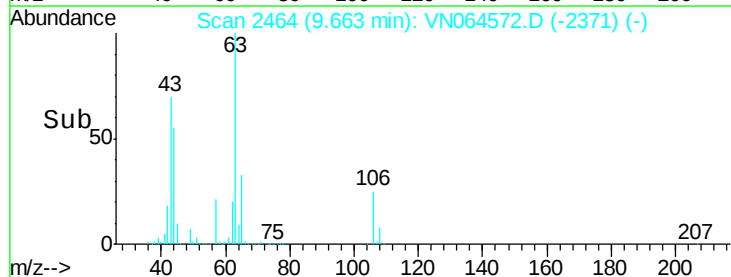
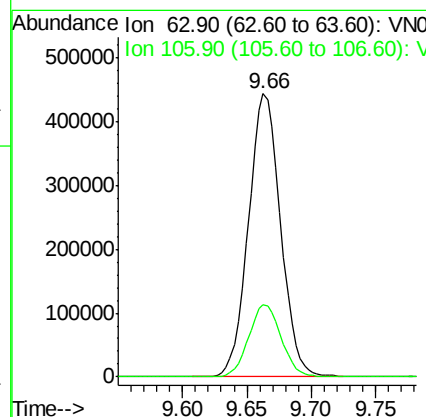
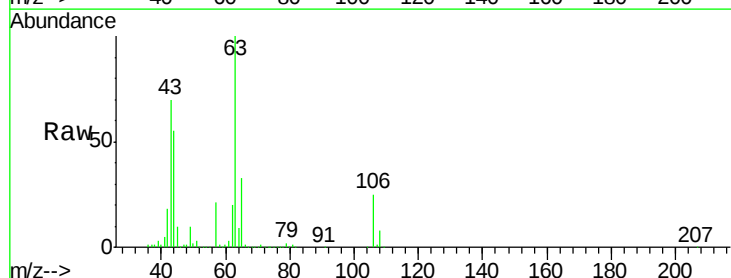
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

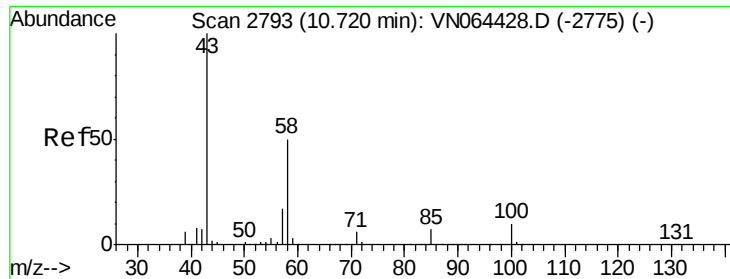
Tot Ion: 76 Resp: 353435
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.445 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064572.D
 Acq: 12 Nov 2020 9:47

Tgt Ion: 63 Resp: 769482
 Ion Ratio Lower Upper
 63 100
 106 25.9 19.5 29.3

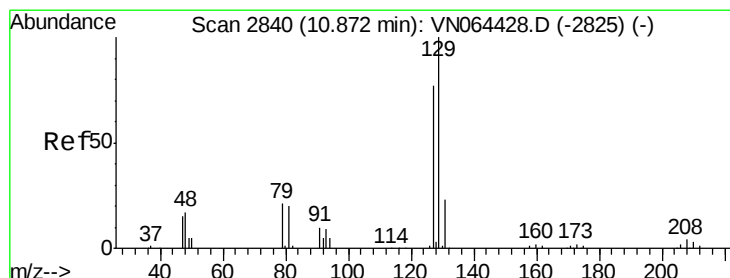
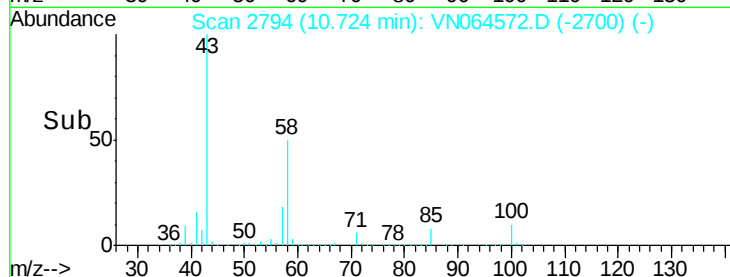
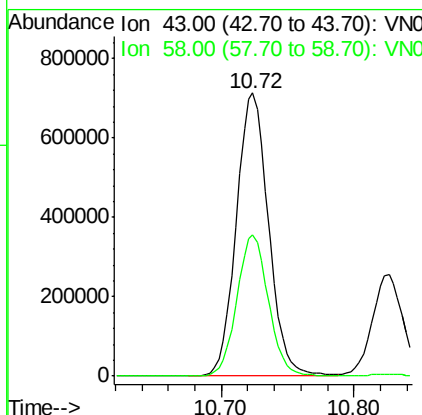
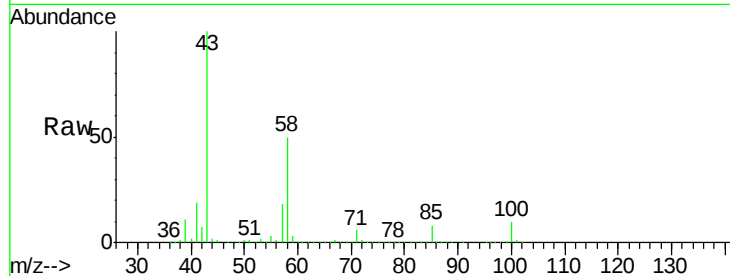




#59
2-Hexanone
Concen: 278.319 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

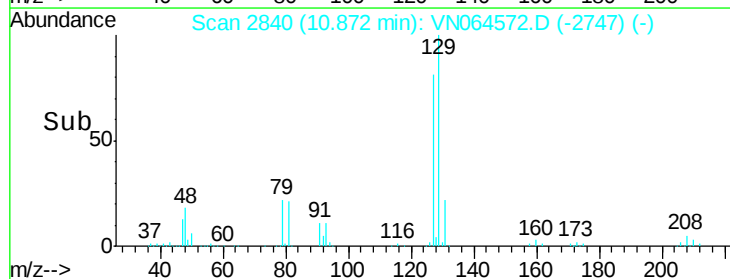
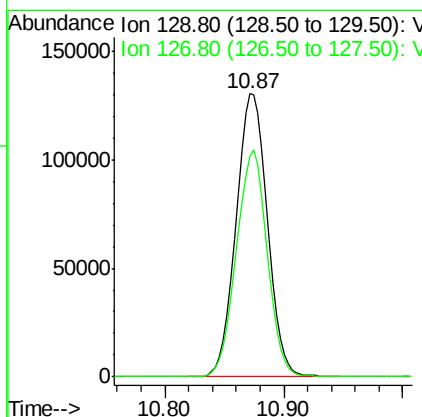
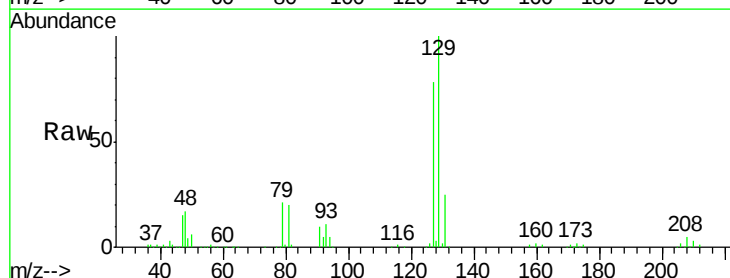
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

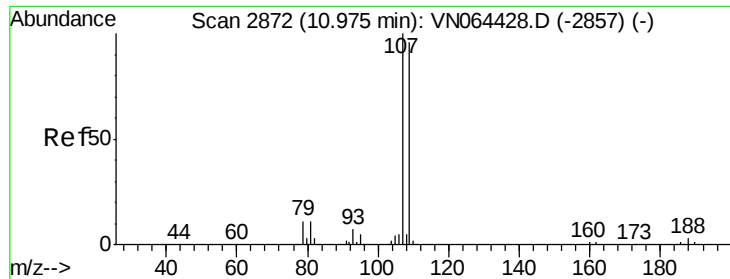
Tot Ion: 43 Resp: 1198852
Ion Ratio Lower Upper
43 100
58 49.0 24.7 74.1



#60
Dibromochloromethane
Concen: 54.485 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion: 129 Resp: 237922
Ion Ratio Lower Upper
129 100
127 79.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 54.795 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

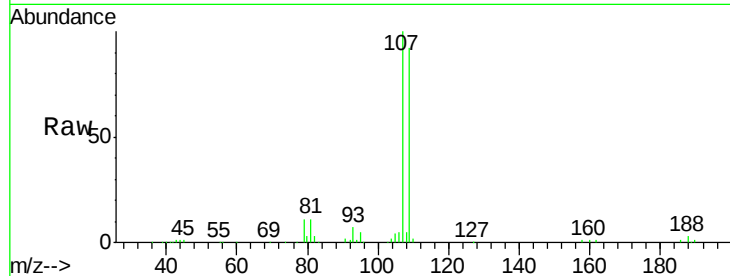
VSTDCCC050

Tot Ion: 107 Resp: 216775

Ion Ratio Lower Upper

107 100

109 92.6 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

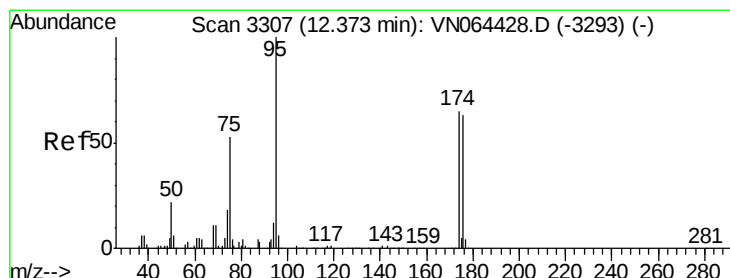
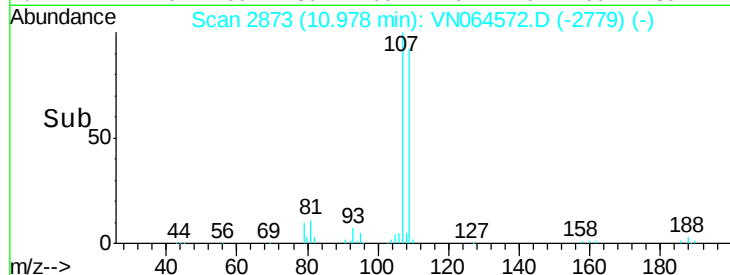
100000

50000

0

Time-->

10.90 11.00



#62

4-Bromofluorobenzene

Concen: 51.060 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

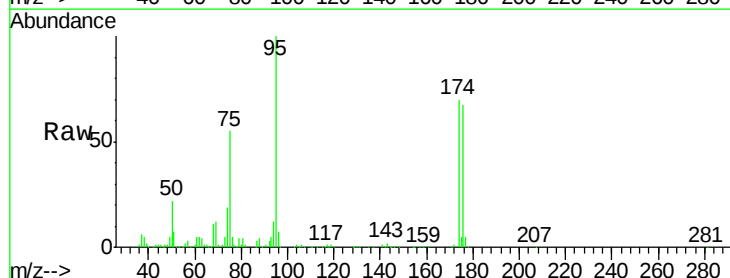
Tgt Ion: 95 Resp: 268407

Ion Ratio Lower Upper

95 100

174 70.2 0.0 132.6

176 66.3 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

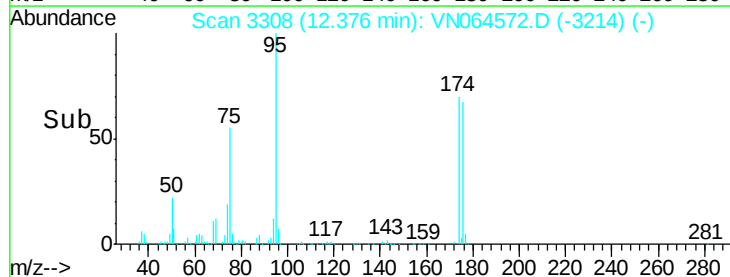
100000

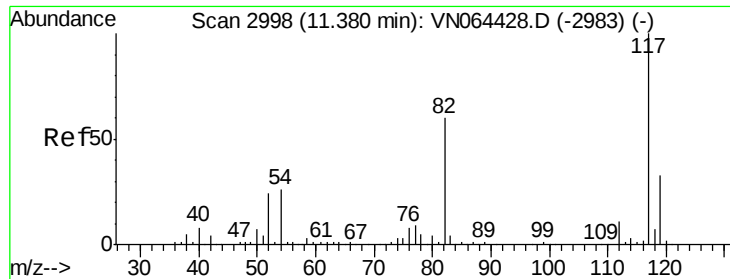
50000

0

Time-->

12.30 12.35 12.40 12.45

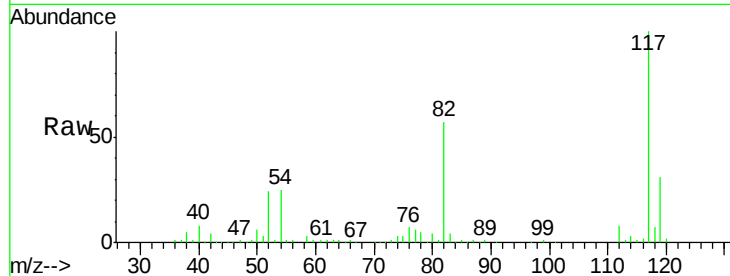




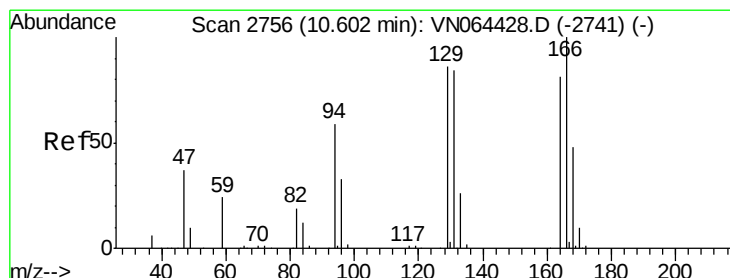
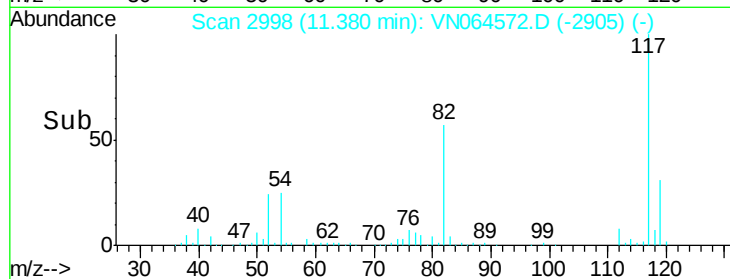
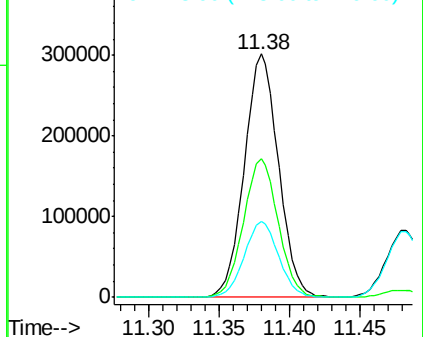
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 511607
Ion Ratio Lower Upper
117 100
82 57.0 48.1 72.1
119 31.1 26.2 39.4

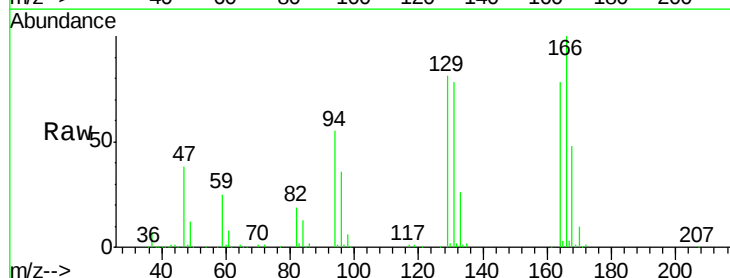


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

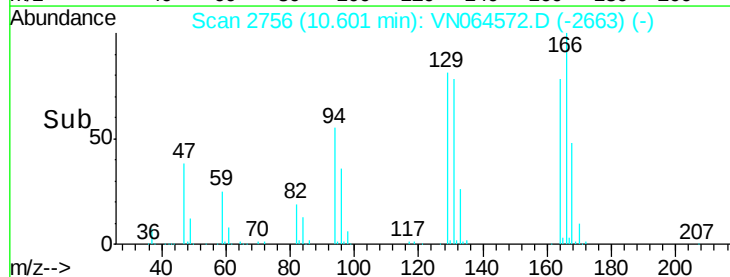
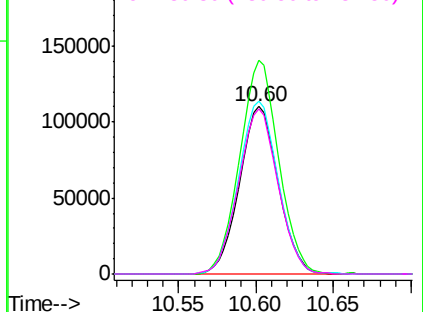


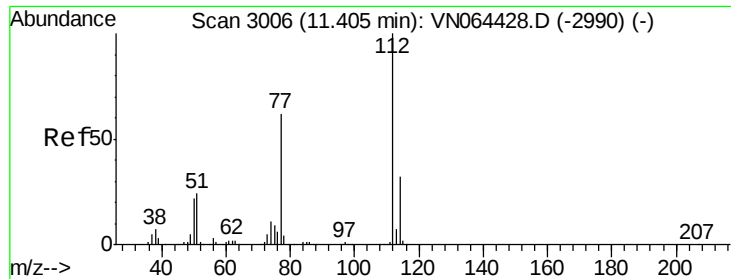
#64
Tetrachloroethene
Concen: 48.725 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion:164 Resp: 192021
Ion Ratio Lower Upper
164 100
166 127.4 98.2 147.2
129 103.4 84.6 127.0
131 98.8 82.2 123.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

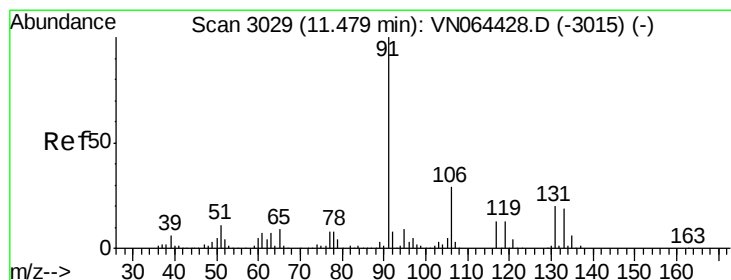
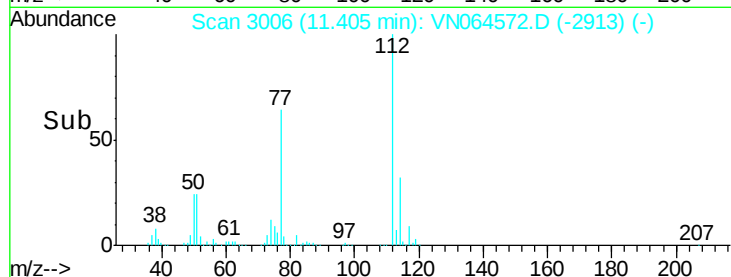
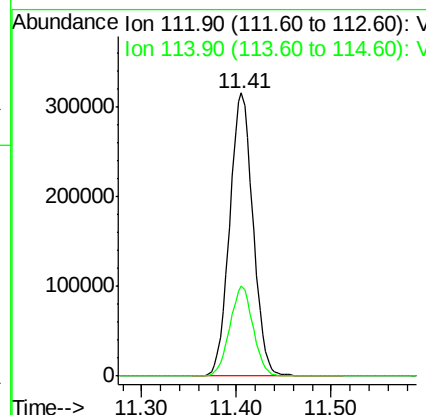
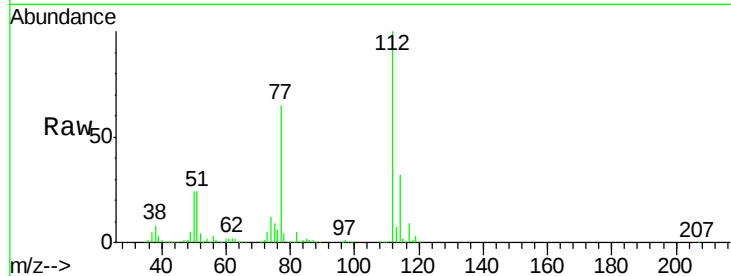




#65
Chlorobenzene
Concen: 48.422 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

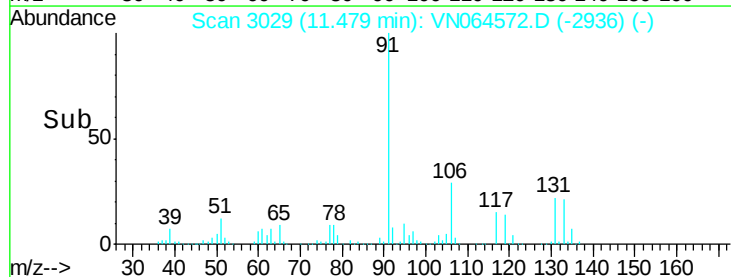
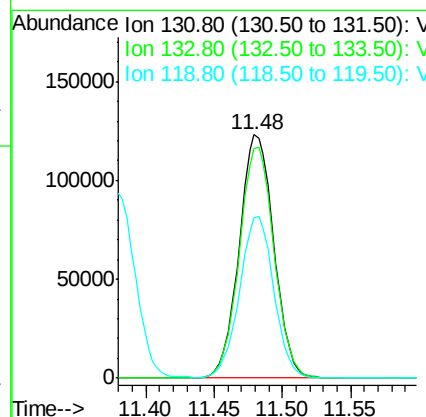
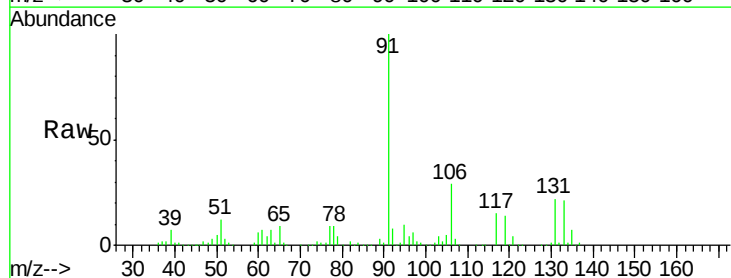
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

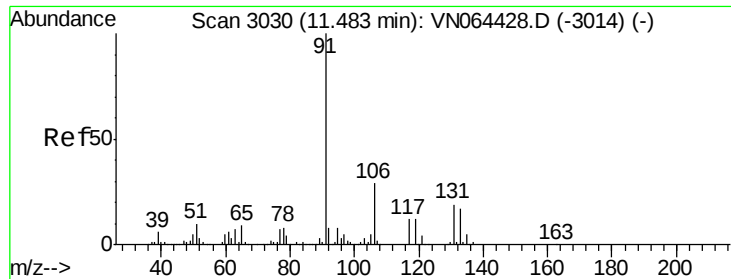
Tot Ion:112 Resp: 543084
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.760 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion:131 Resp: 216570
Ion Ratio Lower Upper
131 100
133 95.6 46.9 140.7
119 65.4 32.1 96.5

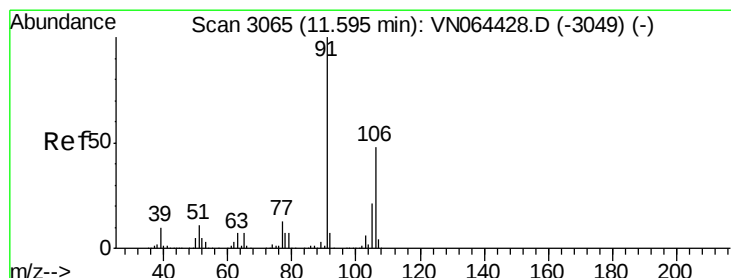
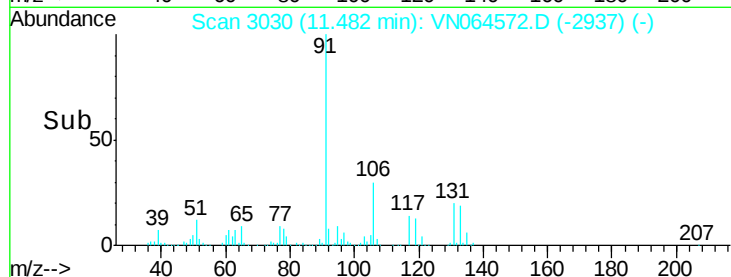
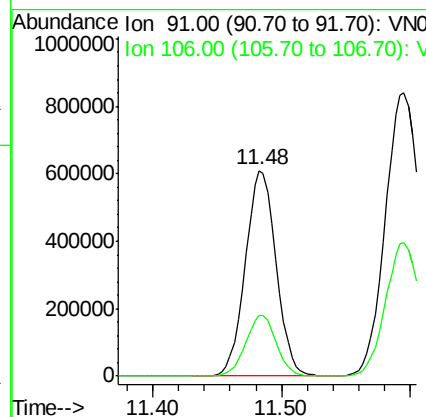
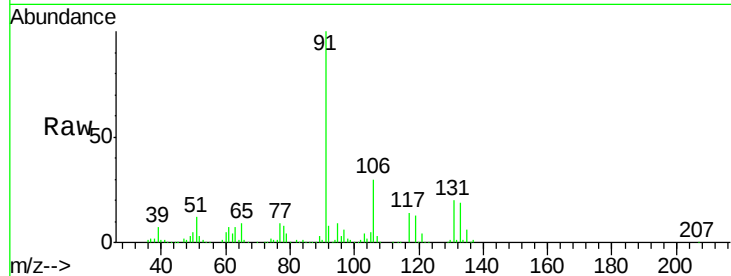




#67
Ethyl Benzene
Concen: 50.696 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

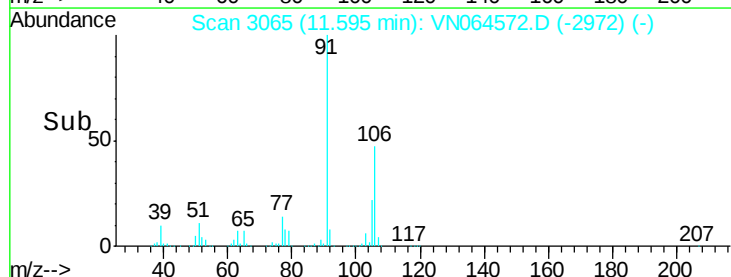
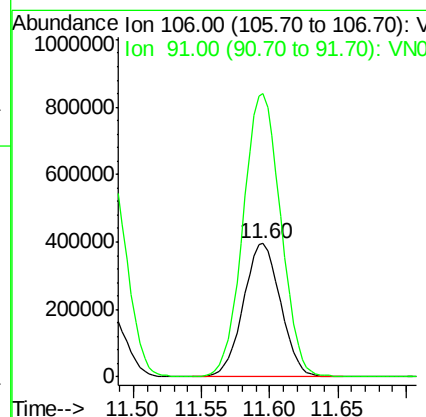
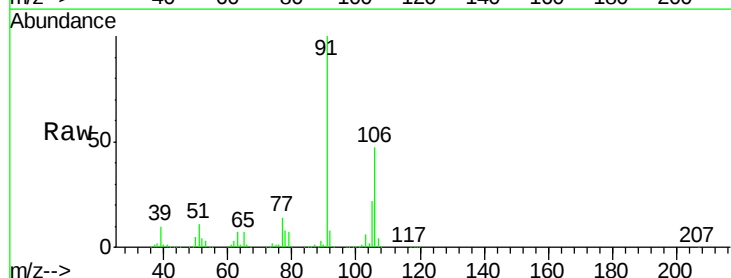
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

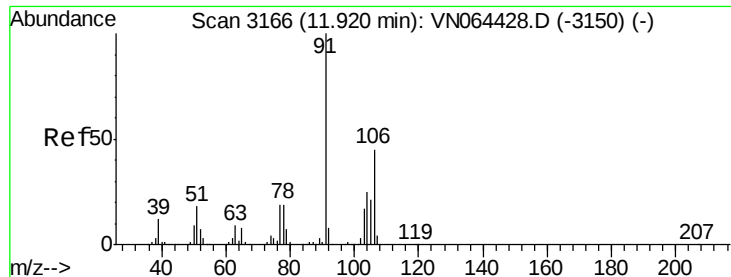
Tot Ion: 91 Resp: 1011357
Ion Ratio Lower Upper
91 100
106 29.6 23.6 35.4



#68
m/p-Xylenes
Concen: 103.241 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion: 106 Resp: 746939
Ion Ratio Lower Upper
106 100
91 214.7 169.4 254.2

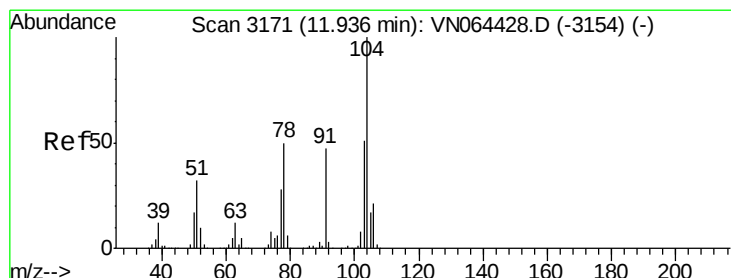
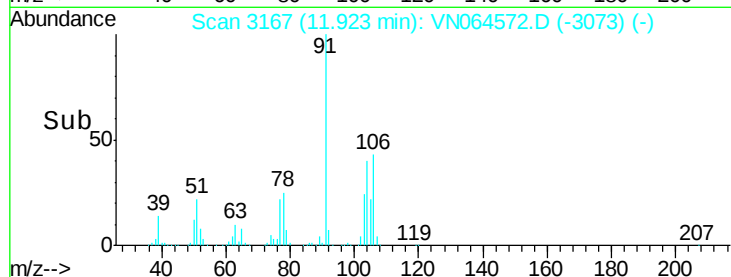
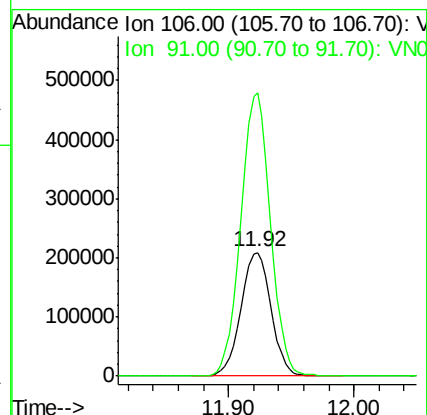
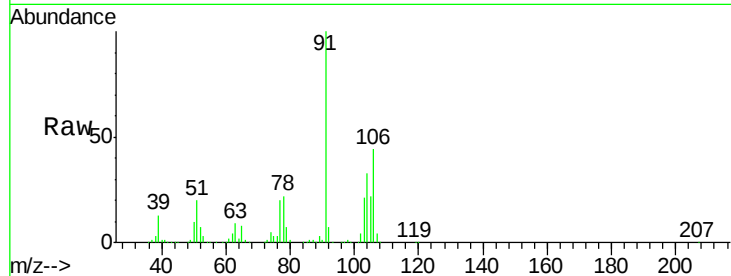




#69
o-Xylene
Concen: 49.863 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

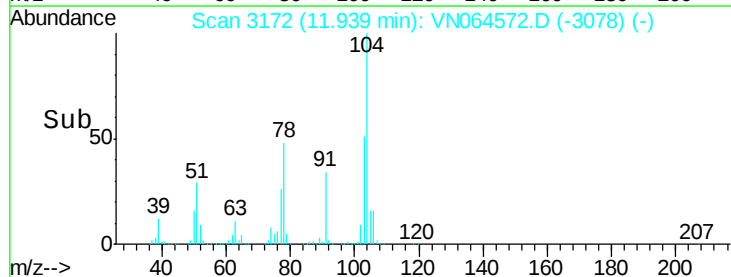
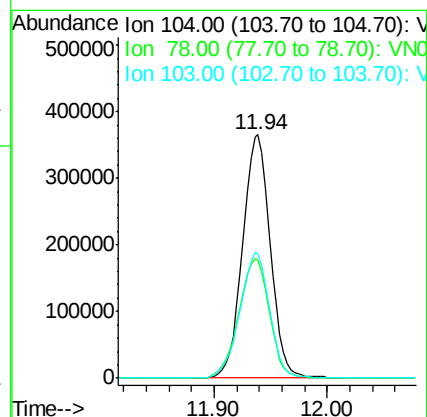
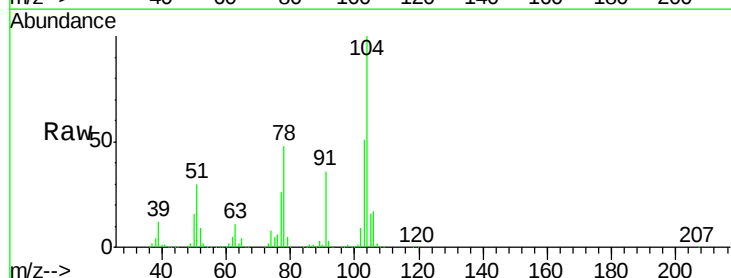
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

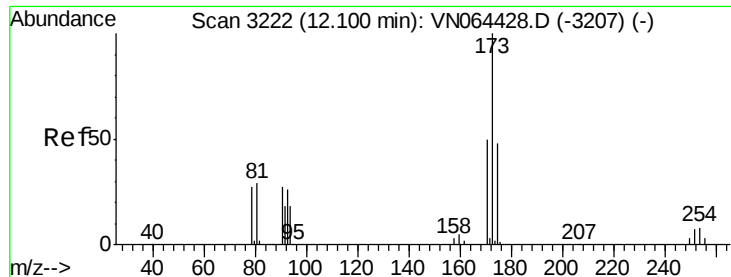
Tot Ion:106 Resp: 348602
Ion Ratio Lower Upper
106 100
91 225.1 111.7 334.9



#70
Styrene
Concen: 53.084 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion:104 Resp: 624495
Ion Ratio Lower Upper
104 100
78 54.2 44.0 66.0
103 55.4 43.8 65.6

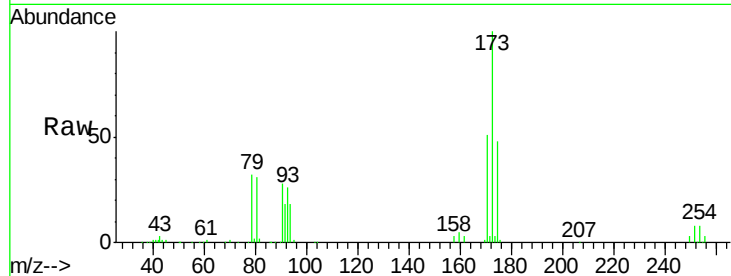




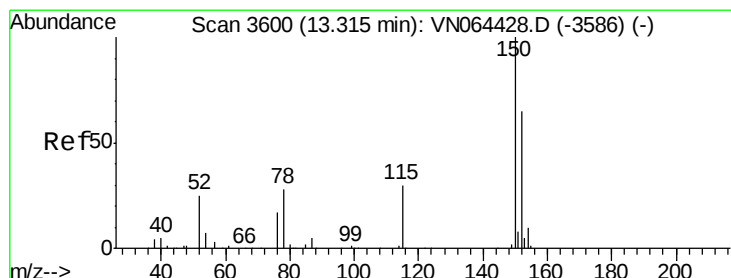
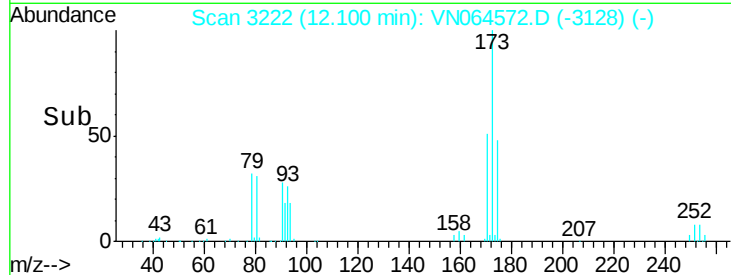
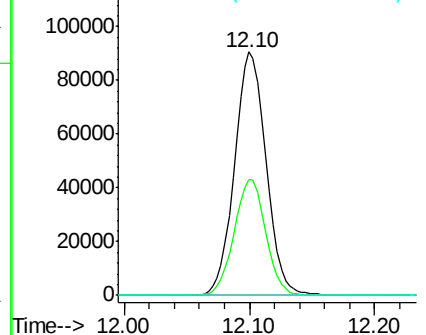
#71
Bromoform
Concen: 50.287 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 158010
Ion Ratio Lower Upper
173 100
175 47.8 23.7 71.1
254 0.0 0.0 0.0#

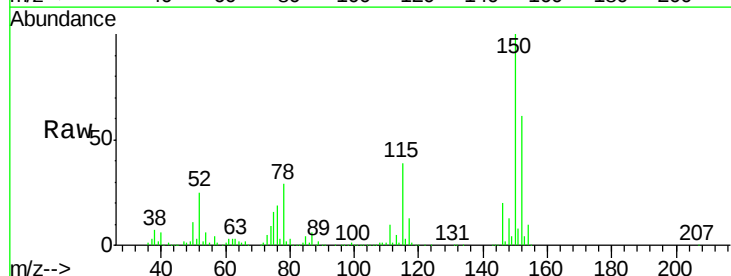


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

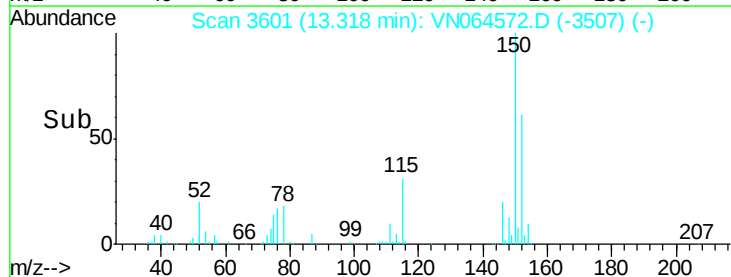
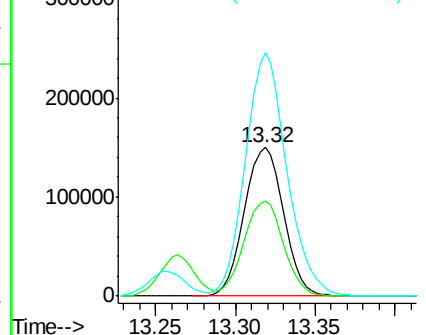


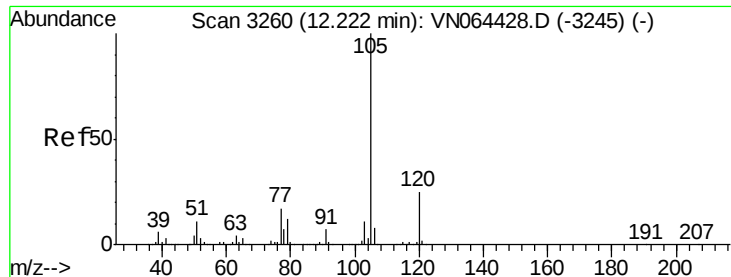
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion:152 Resp: 251702
Ion Ratio Lower Upper
152 100
115 64.2 32.0 96.0
150 172.4 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: 46.845 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

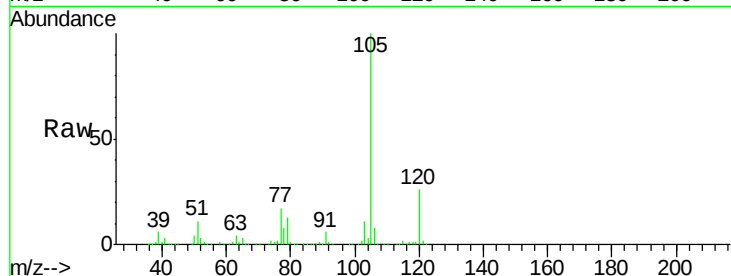
VSTDCCC050

Tot Ion:105 Resp: 937192

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.23

600000

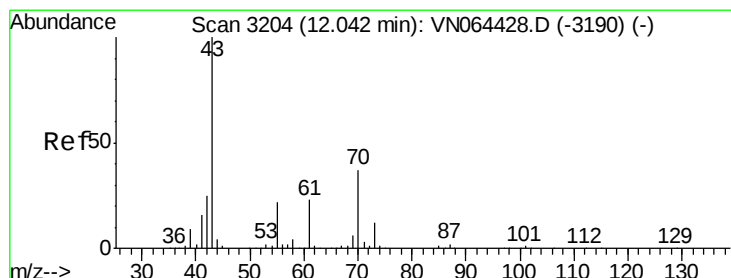
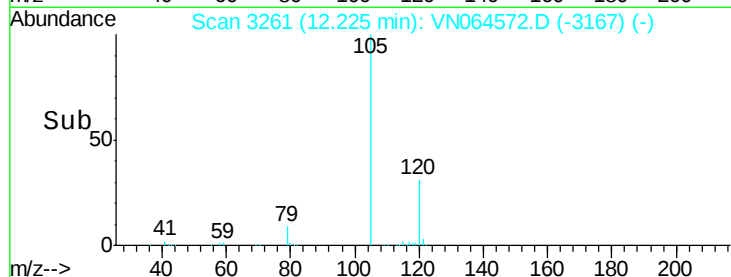
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 42.933 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Tgt Ion: 43 Resp: 414867

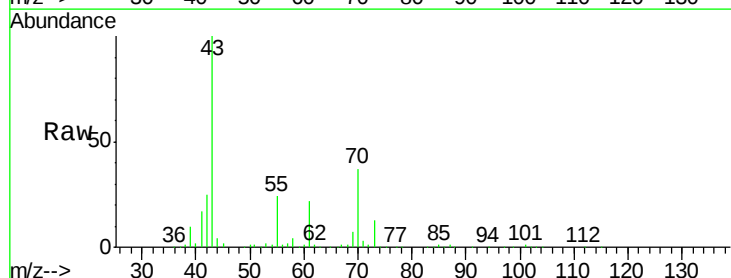
Ion Ratio Lower Upper

43 100

70 37.2 29.6 44.4

55 24.4 18.4 27.6

61 22.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

400000

300000

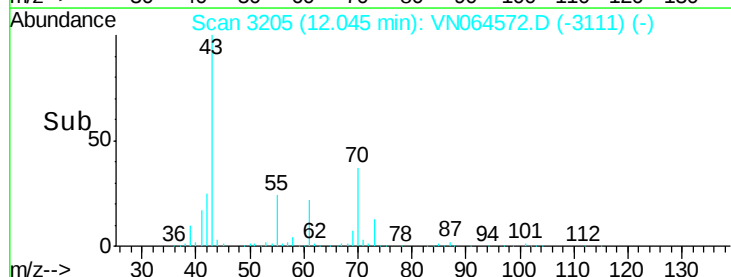
200000

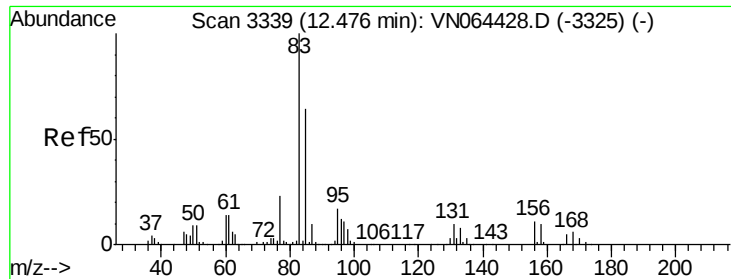
100000

0

Time-->

12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 47.879 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

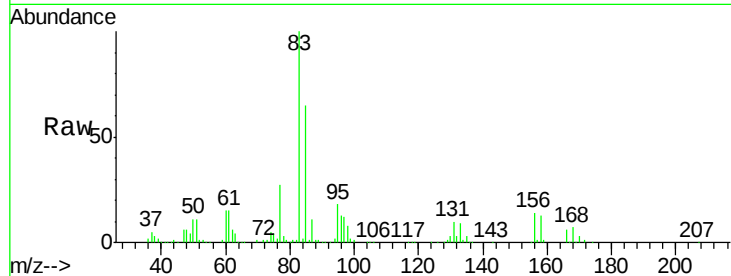
Tot Ion: 83 Resp: 294212

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

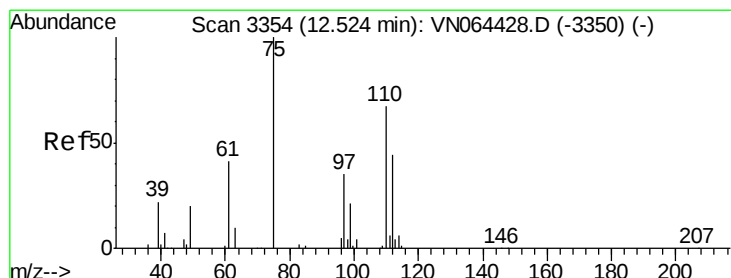
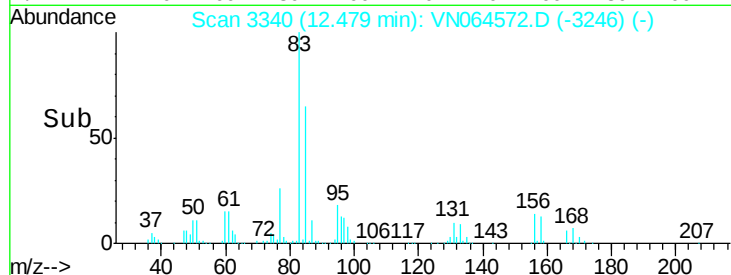
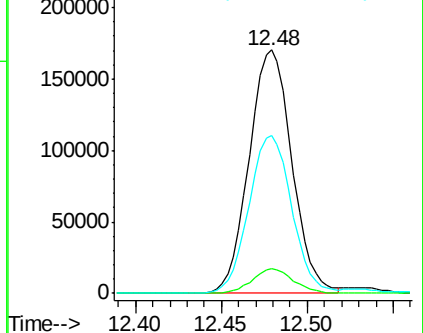
85 64.9 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 68.994 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064572.D

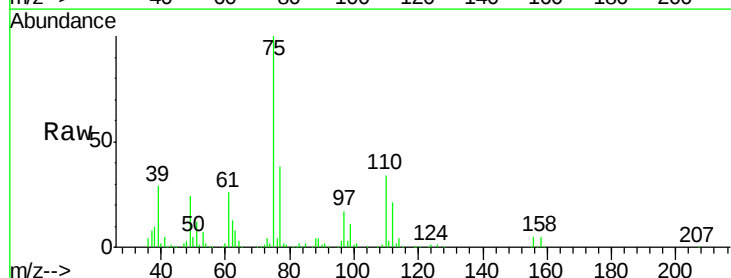
Acq: 12 Nov 2020 9:47

Tgt Ion: 75 Resp: 420760

Ion Ratio Lower Upper

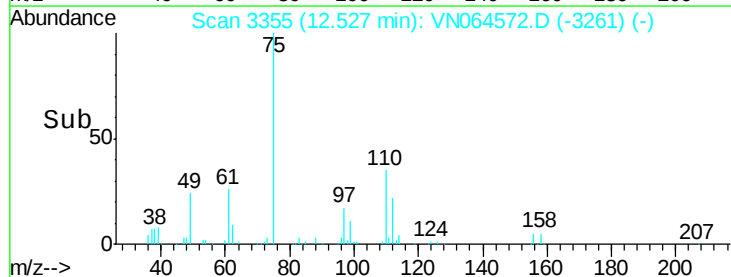
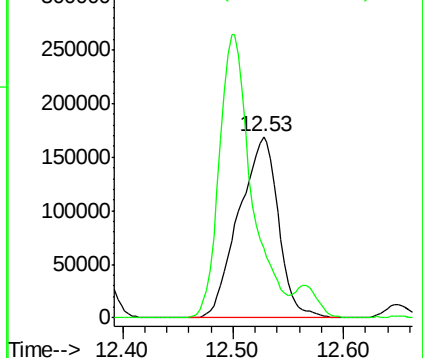
75 100

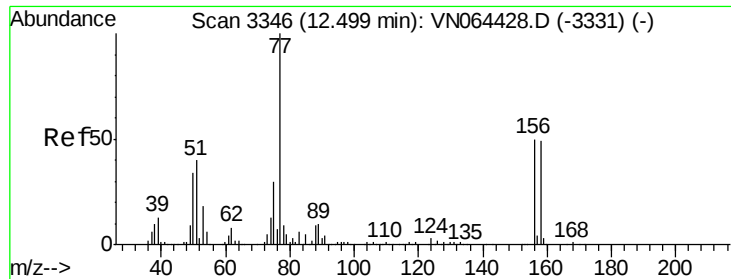
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 45.597 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

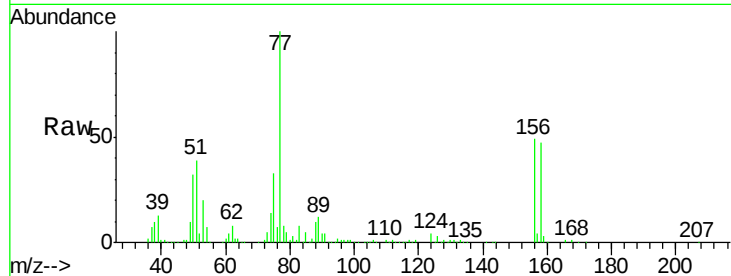
Tot Ion:156 Resp: 222713

Ion Ratio Lower Upper

156 100

77 240.8 119.0 357.0

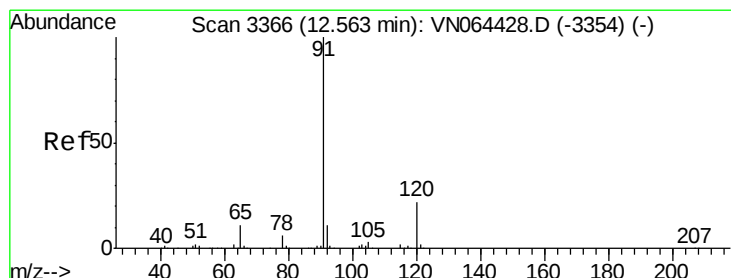
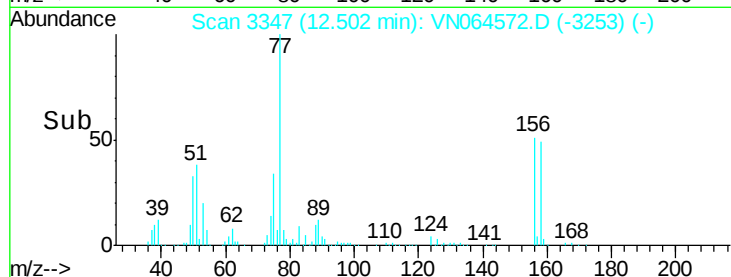
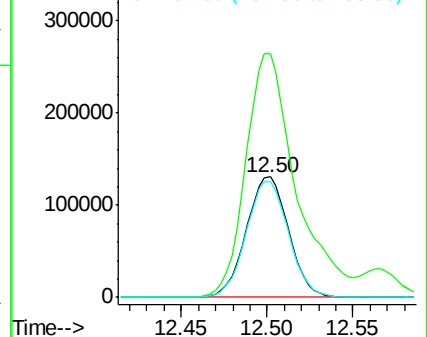
158 97.1 48.4 145.3



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: 49.585 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064572.D

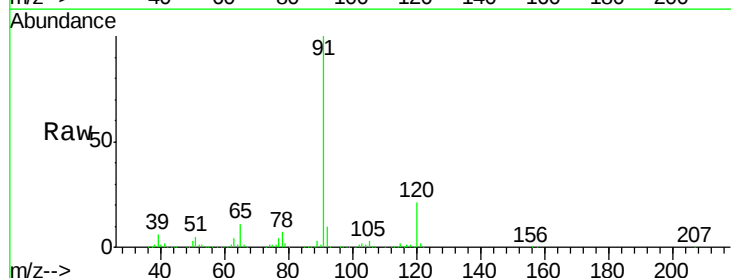
Acq: 12 Nov 2020 9:47

Tgt Ion: 91 Resp: 1130956

Ion Ratio Lower Upper

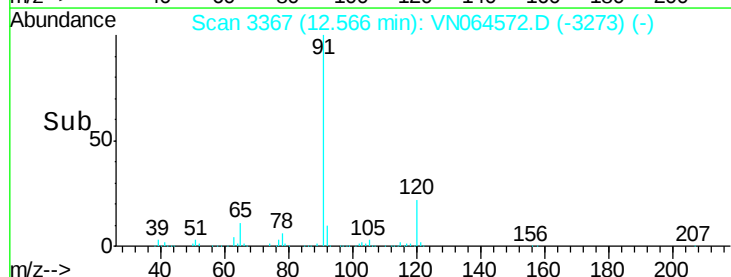
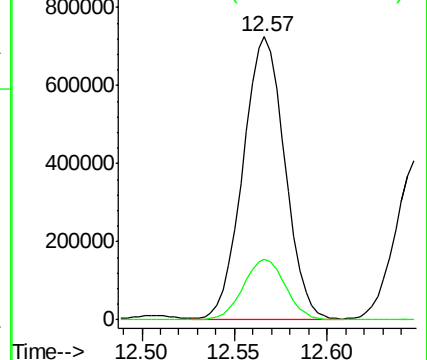
91 100

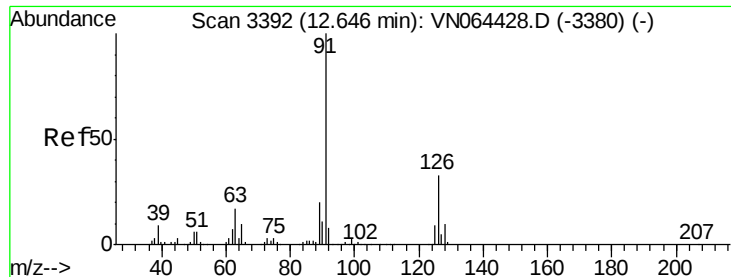
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.769 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

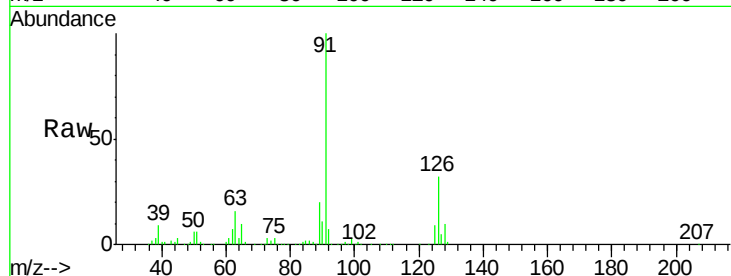
VSTDCCC050

Tot Ion: 91 Resp: 691028

Ion Ratio Lower Upper

91 100

126 32.3 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) (-)

800000

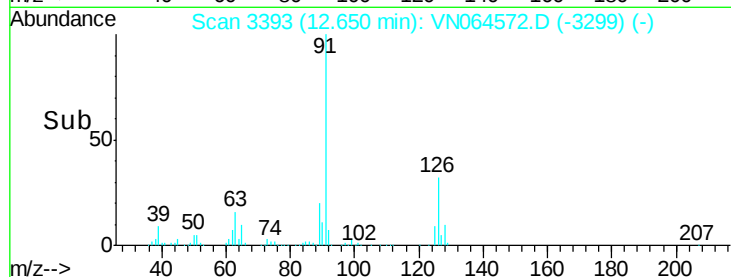
600000

400000

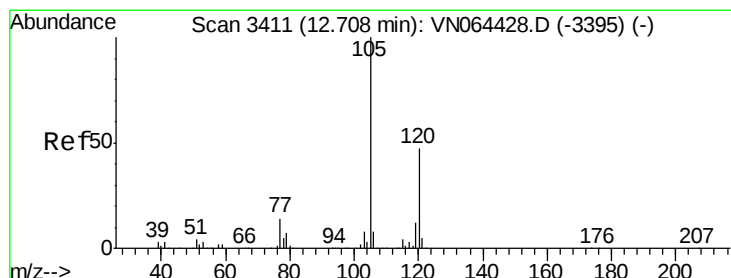
200000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.747 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064572.D

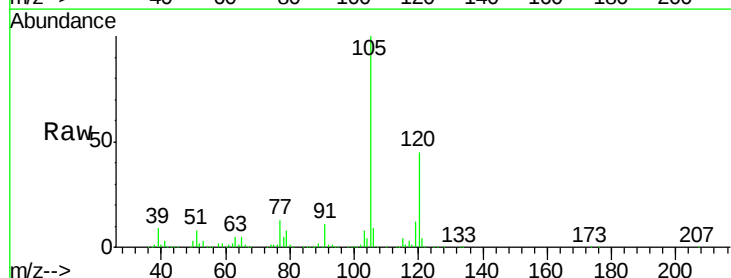
Acq: 12 Nov 2020 9:47

Tgt Ion: 105 Resp: 821046

Ion Ratio Lower Upper

105 100

120 45.5 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) (-)

600000

500000

400000

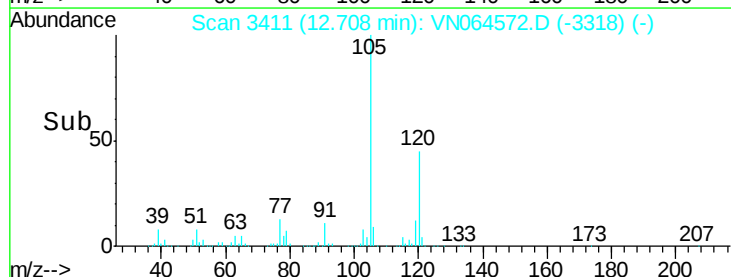
300000

200000

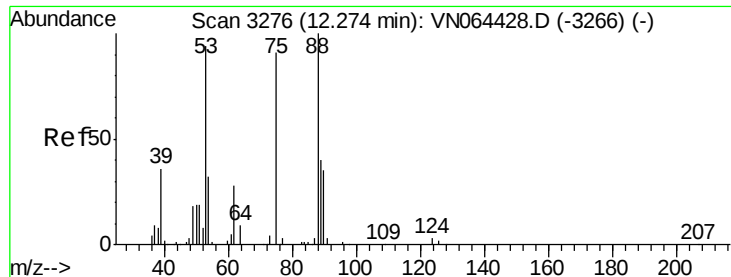
100000

0

12.60 12.70 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 48.623 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

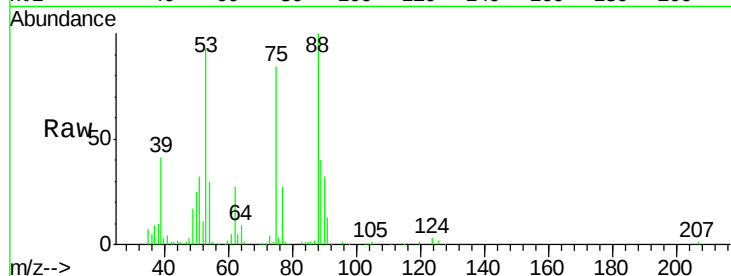
Tot Ion: 75 Resp: 106202

Ion Ratio Lower Upper

75 100

53 109.8 84.0 126.0

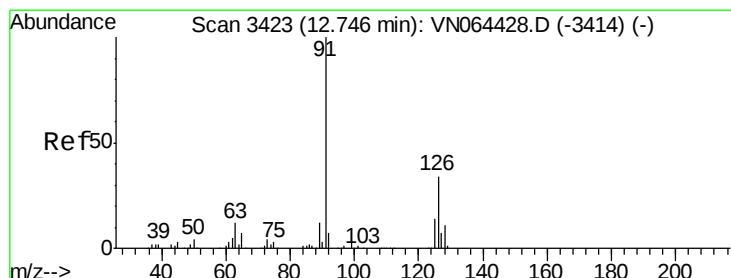
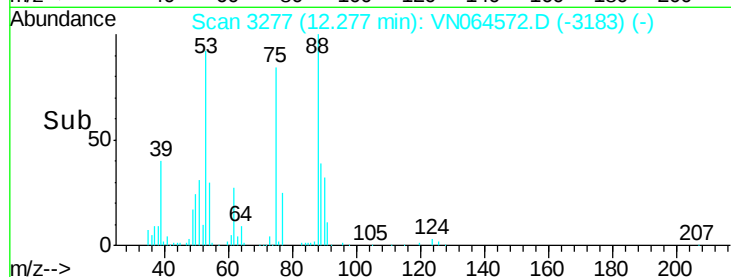
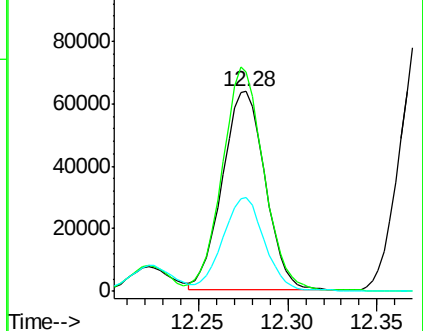
89 46.3 36.3 54.5



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: 47.764 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064572.D

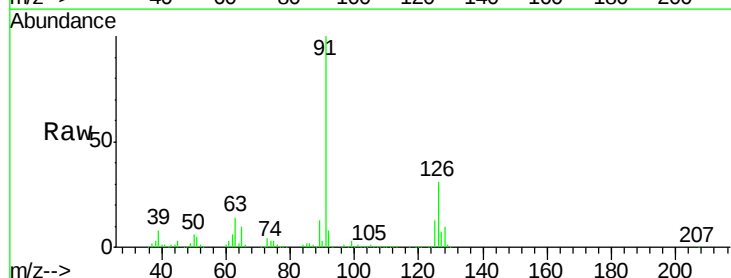
Acq: 12 Nov 2020 9:47

Tgt Ion: 91 Resp: 723617

Ion Ratio Lower Upper

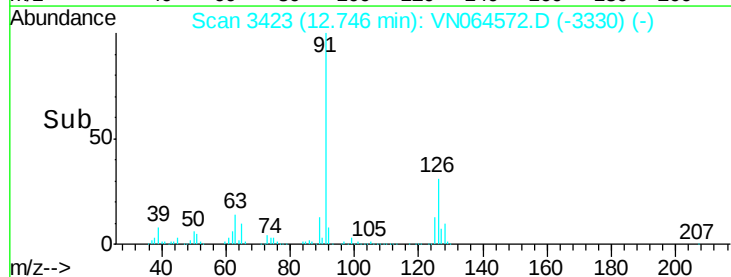
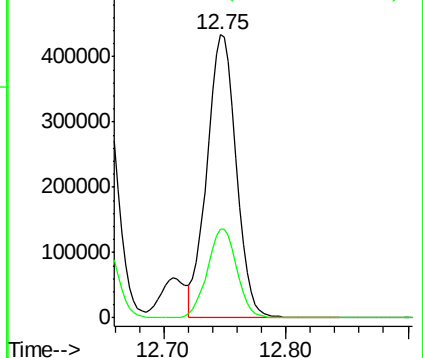
91 100

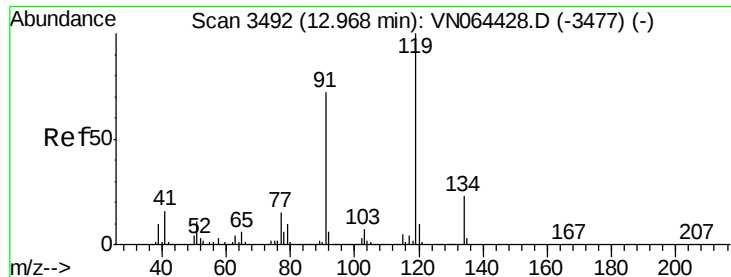
126 31.9 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

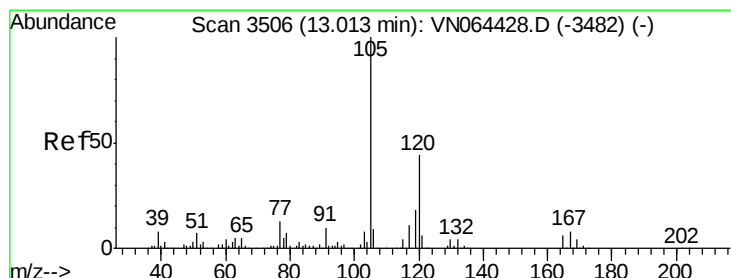
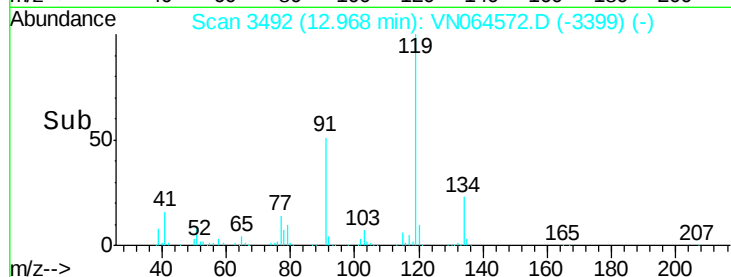
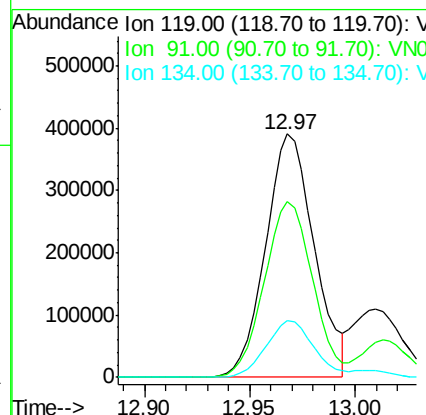
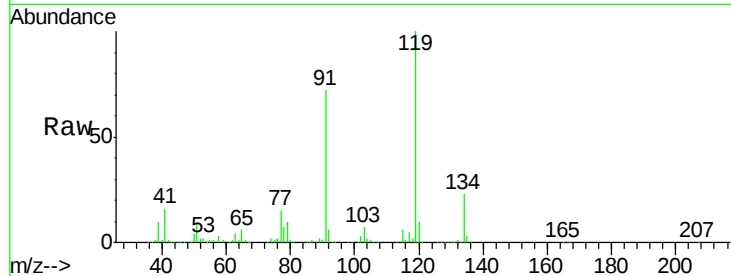




#83
tert-Butylbenzene
Concen: 48.663 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

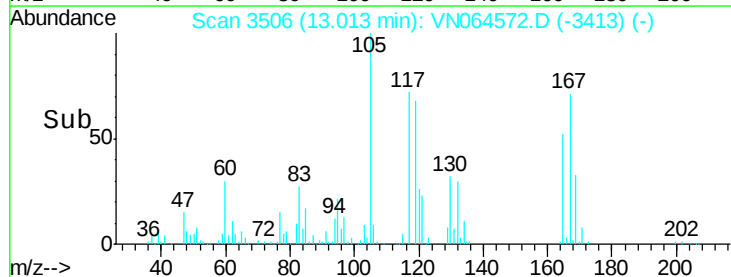
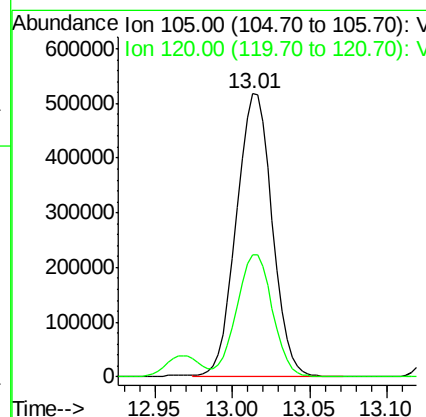
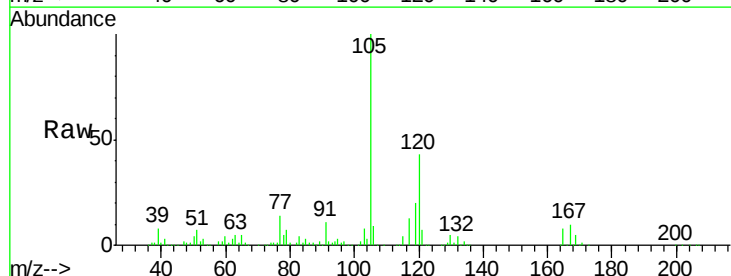
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

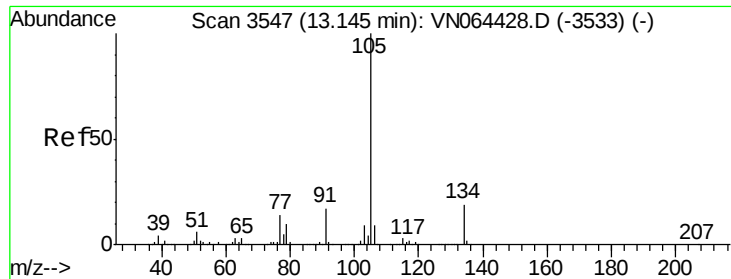
Tot Ion:119 Resp: 627273
Ion Ratio Lower Upper
119 100
91 71.7 36.1 108.3
134 22.9 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 50.036 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion:105 Resp: 830180
Ion Ratio Lower Upper
105 100
120 43.3 21.9 65.7





#85

sec-Butylbenzene

Concen: 51.252 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampled :

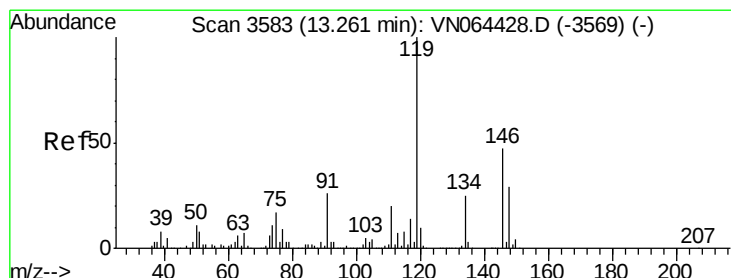
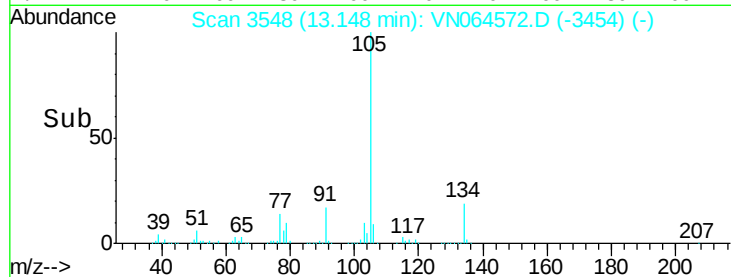
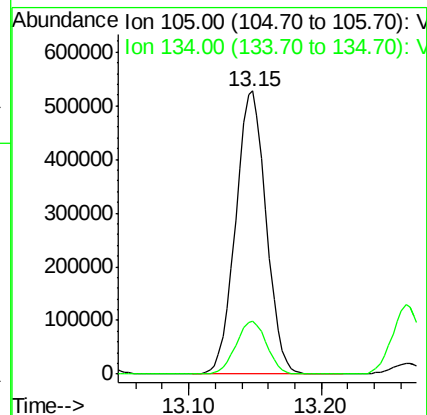
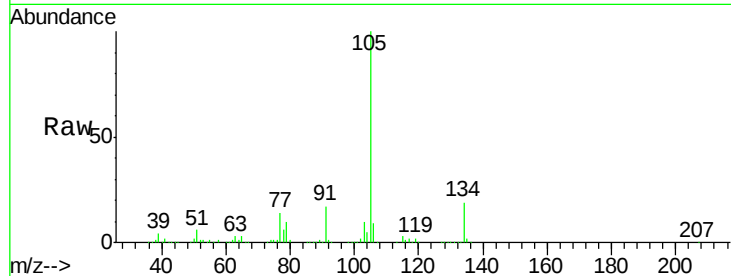
VSTDCCC050

Tot Ion:105 Resp: 836700

Ion Ratio Lower Upper

105 100

134 18.9 9.4 28.2



#86

p-Isopropyltoluene

Concen: 52.099 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

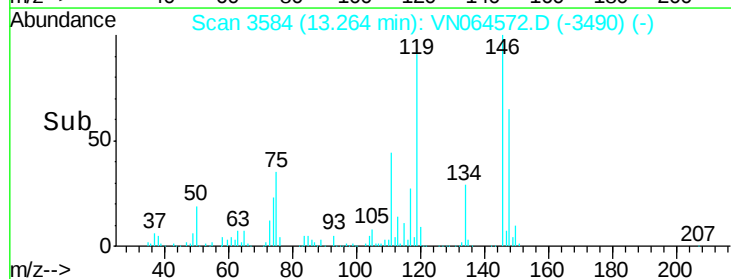
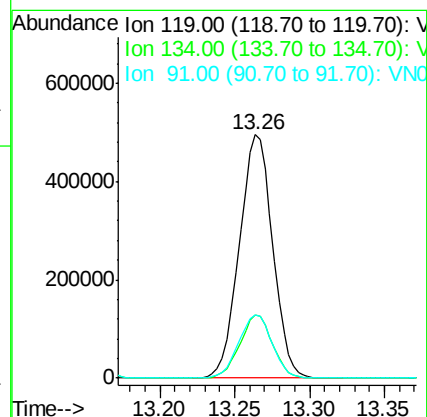
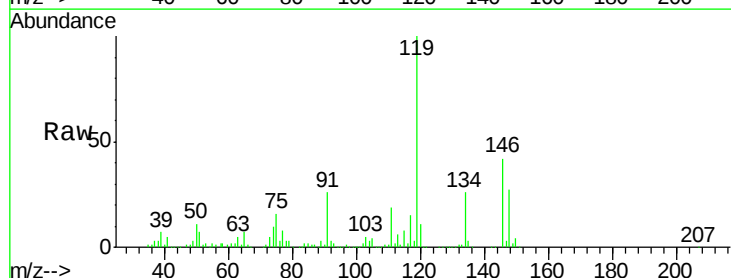
Tgt Ion:119 Resp: 765019

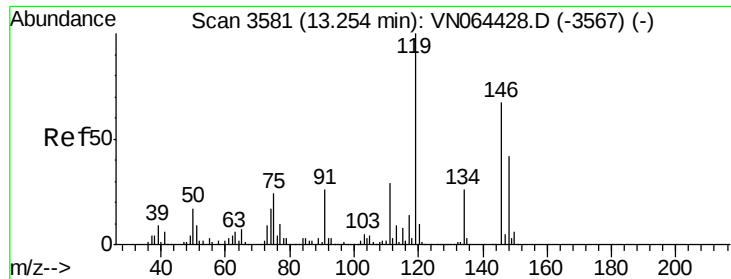
Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.6

91 26.3 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 49.107 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

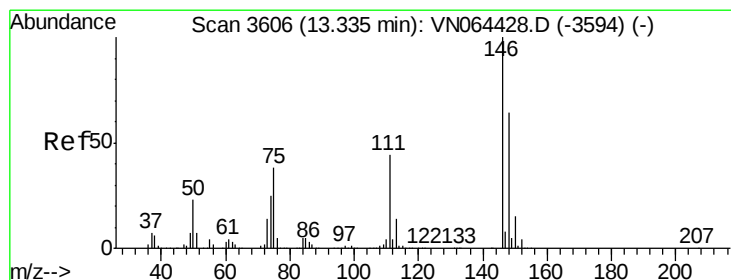
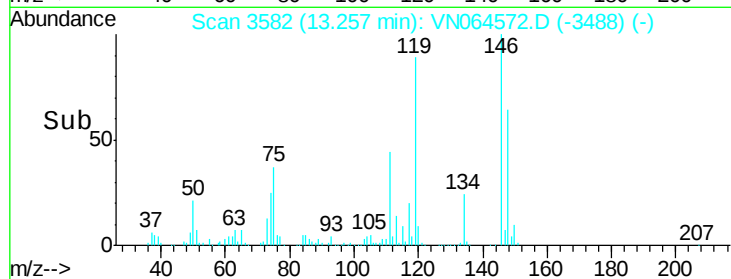
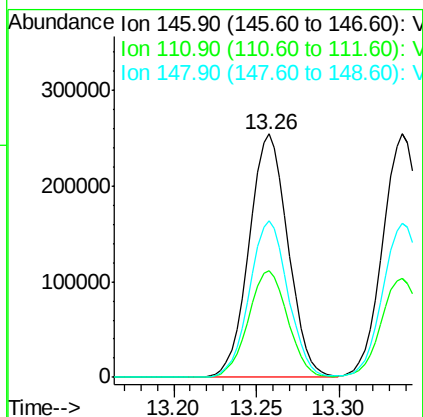
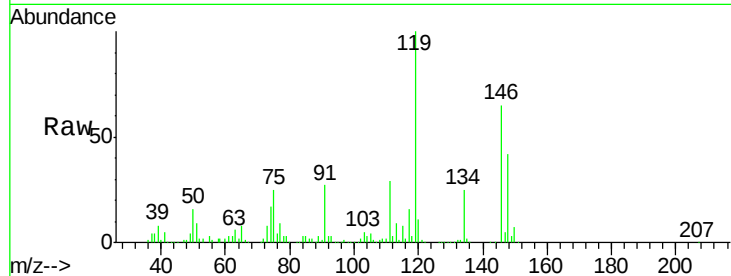
Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 414622

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.1	66.1
148	63.8	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 47.905 ug/l

RT: 13.34 min Scan# 3607

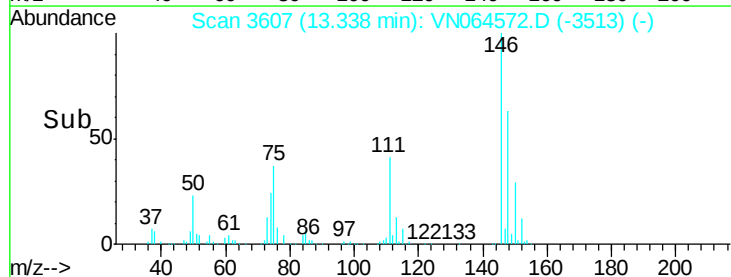
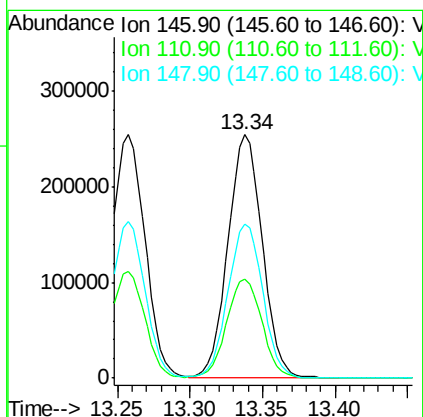
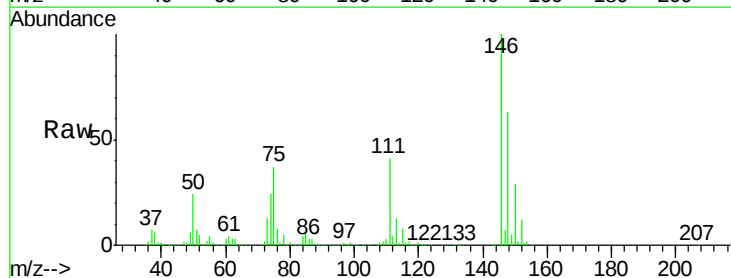
Delta R.T. 0.00 min

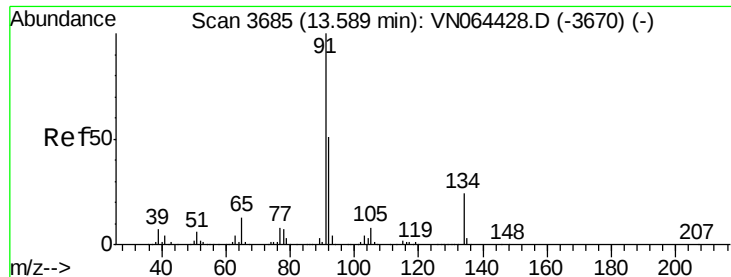
Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Tgt Ion:146 Resp: 417996

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.8	65.3
148	63.7	32.4	97.2

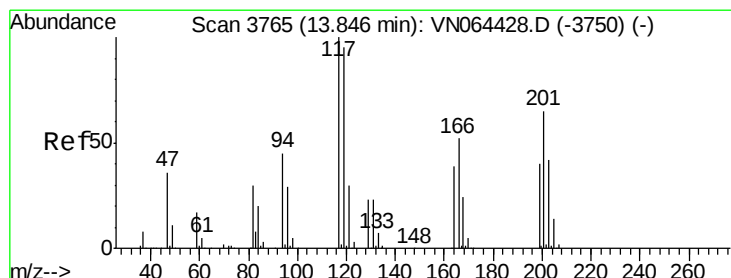
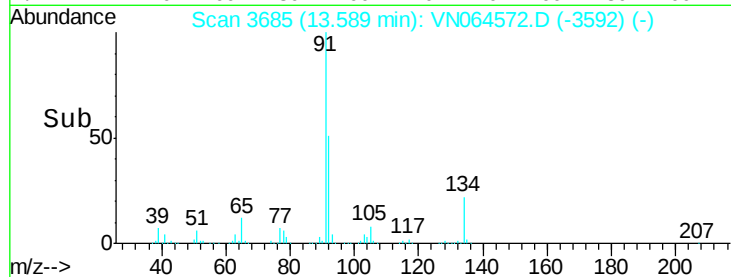
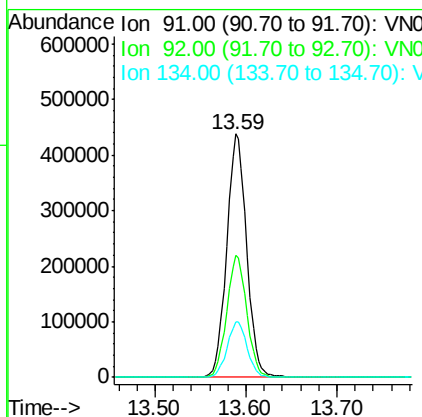
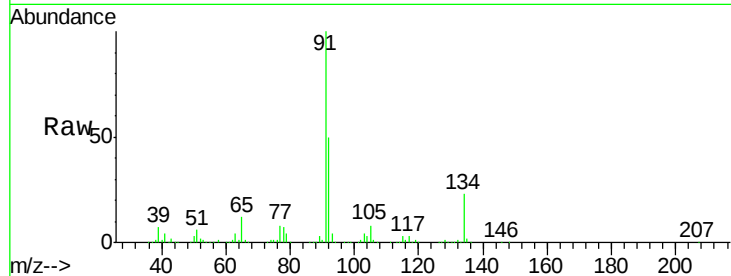




#89
n-Butylbenzene
Concen: 52.814 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

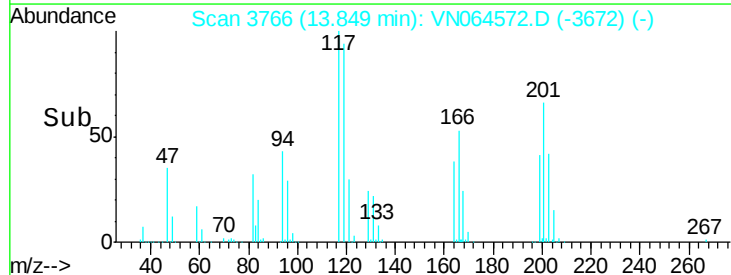
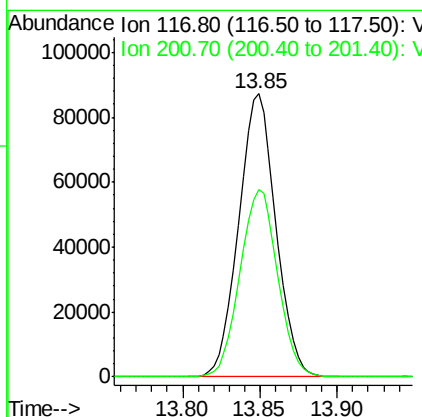
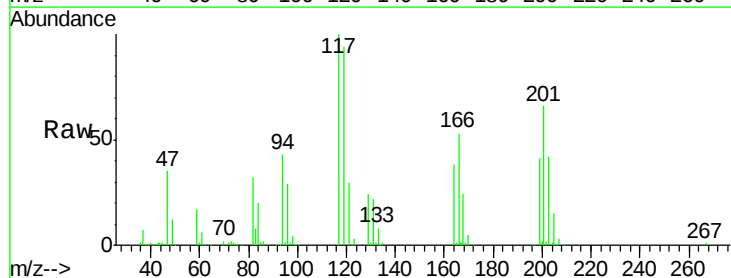
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

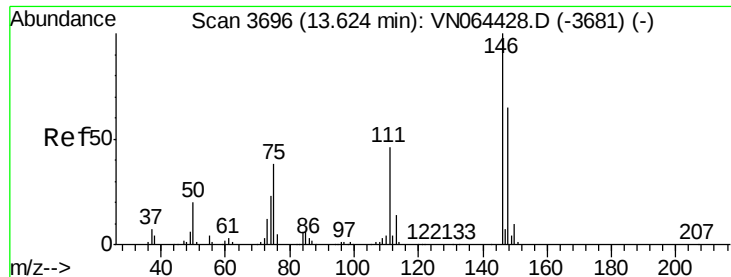
Tot Ion: 91 Resp: 666789
Ion Ratio Lower Upper
91 100
92 50.1 25.3 75.9
134 22.9 11.8 35.4



#90
Hexachloroethane
Concen: 51.407 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064572.D
Acq: 12 Nov 2020 9:47

Tgt Ion: 117 Resp: 145617
Ion Ratio Lower Upper
117 100
201 67.0 32.5 97.5

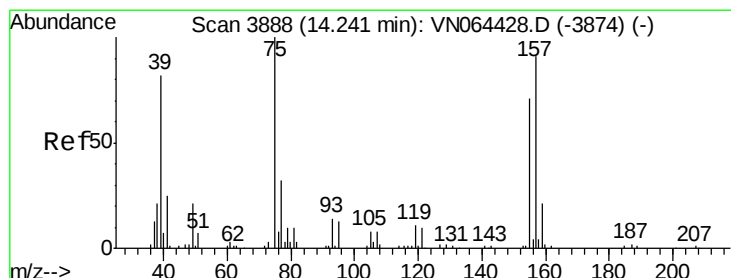
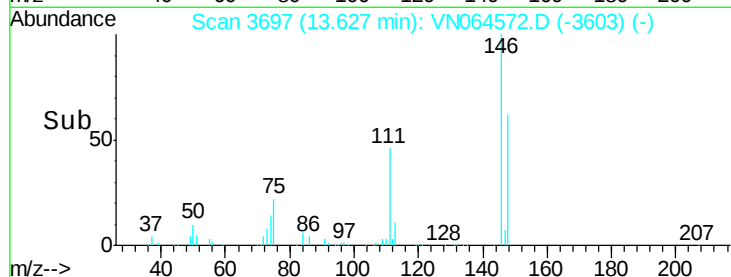
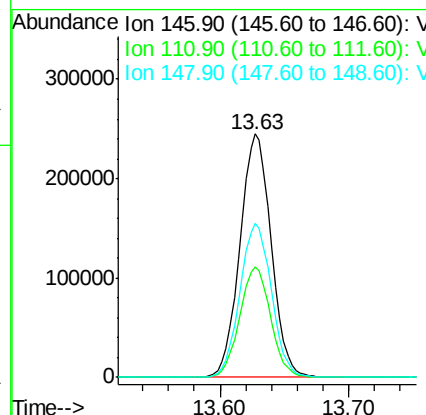
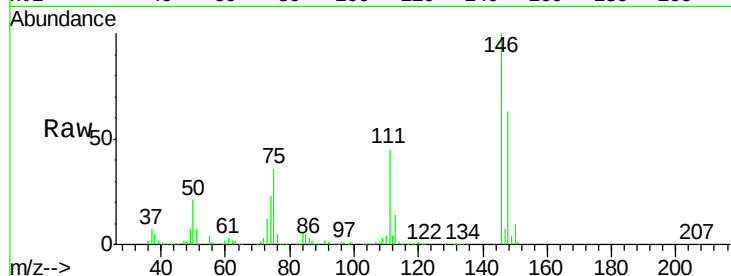




#91
 1,2-Dichlorobenzene
 Concen: 50.680 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064572.D
 Acq: 12 Nov 2020 9:47

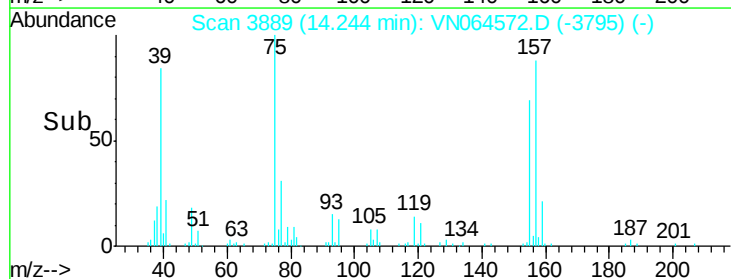
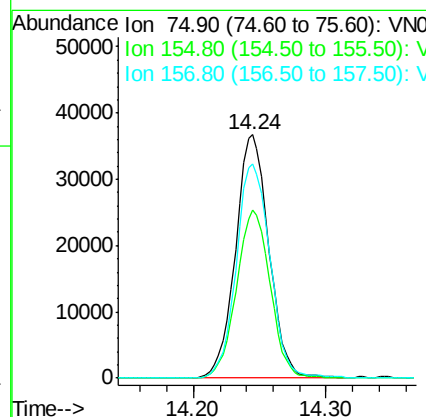
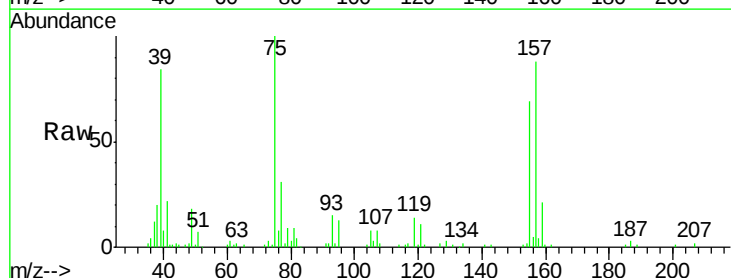
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

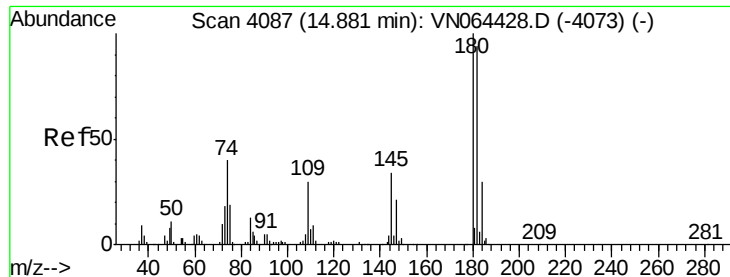
Tot Ion:146 Resp: 411605
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.9 68.7
 148 64.2 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.483 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064572.D
 Acq: 12 Nov 2020 9:47

Tgt Ion: 75 Resp: 64210
 Ion Ratio Lower Upper
 75 100
 155 69.5 34.6 103.9
 157 89.3 43.0 128.8

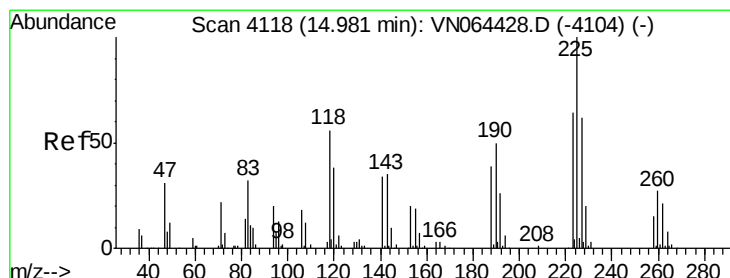
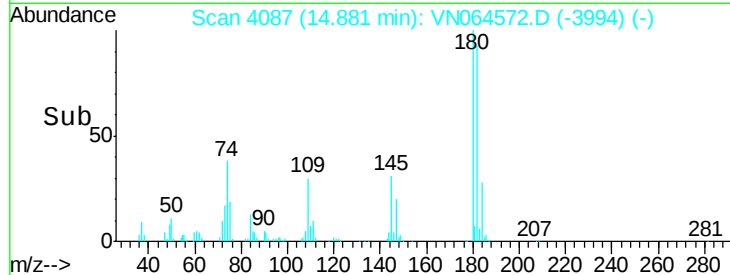
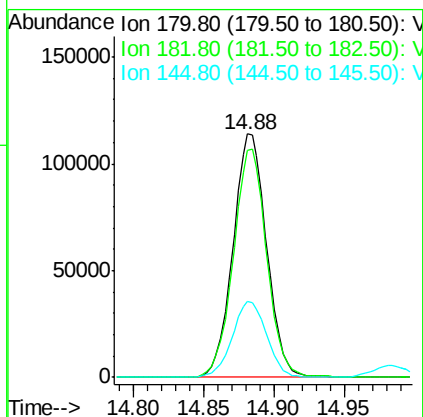
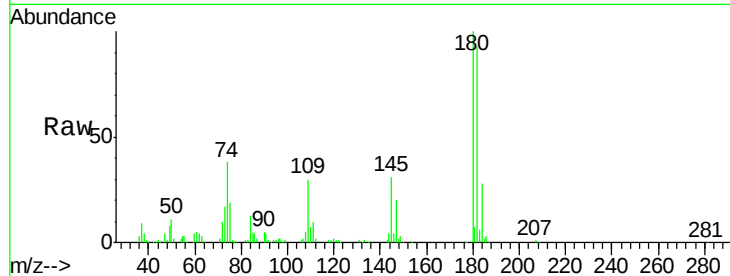




#93
 1,2,4-Trichlorobenzene
 Concen: 47.164 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064572.D
 Acq: 12 Nov 2020 9:47

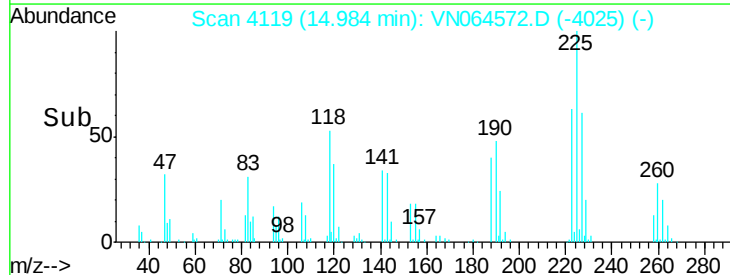
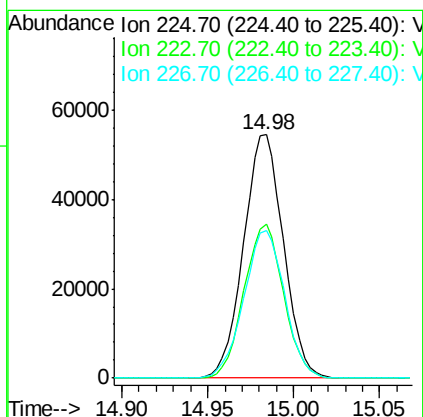
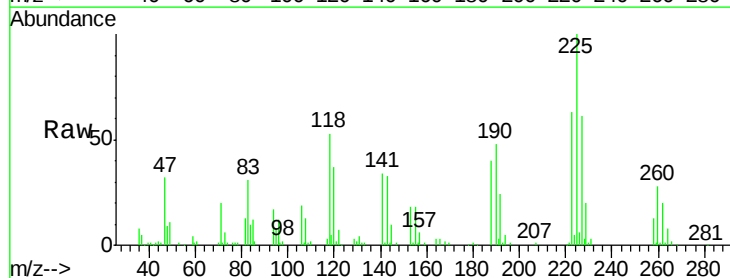
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

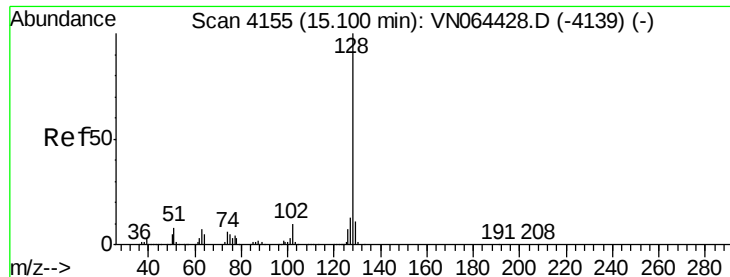
Tot Ion:180 Resp: 189847
 Ion Ratio Lower Upper
 180 100
 182 93.0 47.3 142.0
 145 32.1 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 53.171 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064572.D
 Acq: 12 Nov 2020 9:47

Tgt Ion:225 Resp: 87922
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.8 95.4
 227 62.0 31.8 95.4





#95

Naphthalene

Concen: 43.664 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

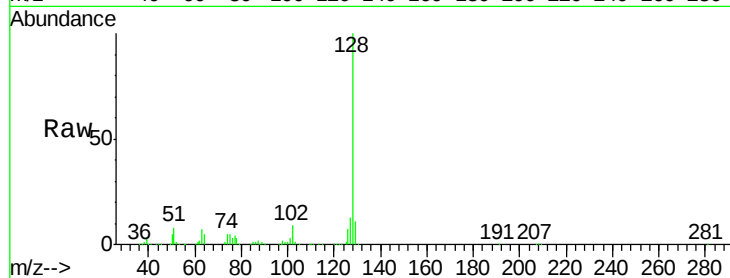
Tot Ion:128 Resp: 595945

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

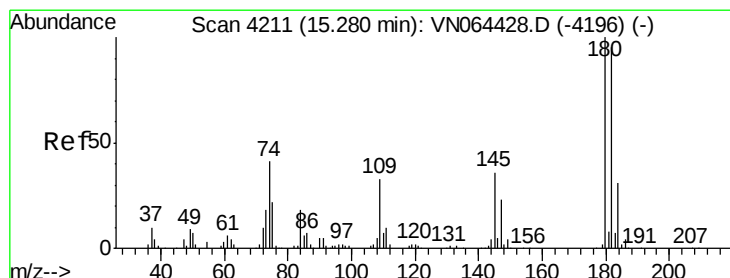
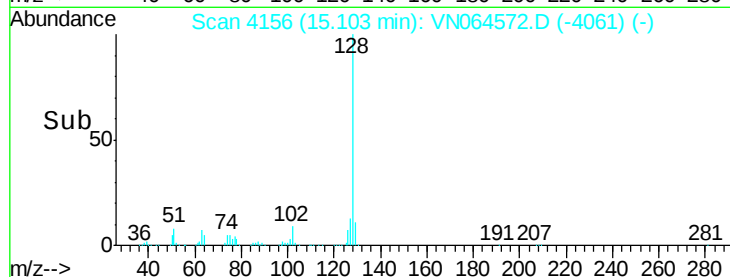
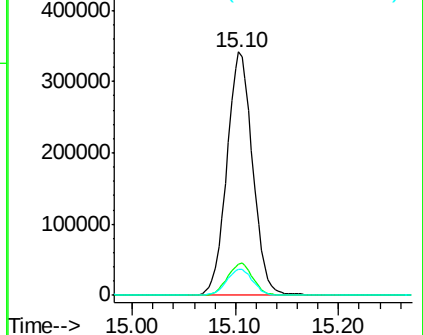
129 10.9 8.8 13.2



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: 47.622 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064572.D

Acq: 12 Nov 2020 9:47

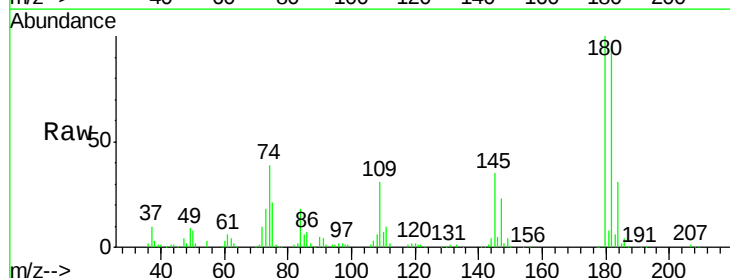
Tgt Ion:180 Resp: 185538

Ion Ratio Lower Upper

180 100

182 96.5 47.7 143.1

145 35.0 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

