

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064515.D
 Acq On : 9 Nov 2020 18:46
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Nov 10 03:20:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 13:16:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	62399	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	335815	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	310984	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	170923	30.94	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.13%
60) 4-Bromofluorobenzene	12.38	95	156801	29.43	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.10%
63) Toluene-d8	10.06	98	434268	29.94	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	85540	20.469 ug/l	98
3) Chloromethane	2.04	50	97233	20.390 ug/l	100
4) Vinyl Chloride	2.17	62	105950	20.506 ug/l	96
5) Bromomethane	2.54	94	66317	19.611 ug/l	98
6) Chloroethane	2.68	64	65840	20.406 ug/l	97
7) Trichlorofluoromethane	2.99	101	155745	20.817 ug/l	97
8) Diethyl Ether	3.38	74	54073	20.237 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.71	101	69758	19.810 ug/l	52
10) 1,1-Dichloroethene	3.69	96	66586	19.767 ug/l	95
11) Methyl Iodide	3.91	142	81769	19.690 ug/l	99
12) Methyl Acetate	4.29	43	86038	20.949 ug/l	99
13) Acrolein	3.57	56	53882	129.734 ug/l	99
14) Acrylonitrile	4.94	53	172721	94.559 ug/l	99
15) Acetone	3.78	58	48759	80.885 ug/l	94
16) Carbon Disulfide	4.01	76	201262	19.688 ug/l	100
17) Allyl chloride	4.28	41	127701	20.177 ug/l	95
18) Methylene Chloride	4.51	84	81353	20.338 ug/l	93
19) trans-1,2-Dichloroethene	4.99	96	76170	19.951 ug/l	97
20) Diisopropyl ether	5.91	45	271812	19.724 ug/l	96
21) 1,1-Dichloroethane	5.80	63	154674	20.410 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	88133	20.369 ug/l	93
23) tert-Butyl Alcohol	4.75	59	58611	93.710 ug/l	# 100
24) Methyl tert-Butyl Ether	5.00	73	237789	19.958 ug/l	# 72
25) Chloroform	7.33	83	161822	20.321 ug/l	97
26) Cyclohexane	7.61	56	112564	19.239 ug/l	# 100
29) 1,1-Dichloropropene	7.75	75	112993	19.389 ug/l	100
30) 2-Butanone	6.79	43	246058	85.294 ug/l	99
31) 2,2-Dichloropropane	6.78	77	131628	19.015 ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	142814	19.979 ug/l	99
33) Carbon Tetrachloride	7.74	117	127725	20.008 ug/l	97
34) Benzene	8.00	78	334894	19.847 ug/l	99
35) Methacrylonitrile	7.13	41	50853	18.843 ug/l	94
36) 1,2-Dichloroethane	8.09	62	137355	19.836 ug/l	# 92
37) Trichloroethene	8.80	130	84582	19.825 ug/l	97
38) Methylcyclohexane	9.05	83	96424	18.293 ug/l	97
39) 1,2-Dichloropropane	9.08	63	89288	19.693 ug/l	98
40) Dibromomethane	9.18	93	62070	20.293 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	129647	19.557	ug/l	100
42) Vinyl Acetate	5.85	43	1102473	95.461	ug/l	99
43) Ethyl Acetate	6.89	43	103824	18.496	ug/l	95
44) Isopropyl Acetate	8.13	43	183768	18.965	ug/l	96
45) 1,4-Dioxane	9.17	88	23957	352.692	ug/l	96
46) Methyl methacrylate	9.17	41	91737	19.037	ug/l	98
47) n-amyl Acetate	12.05	43	147908	17.645	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	134527	19.149	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	141696	19.196	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	83646	19.947	ug/l	94
51) Ethyl methacrylate	10.40	69	108870	18.117	ug/l	93
52) 1,3-Dichloropropane	10.68	76	141613	19.657	ug/l	99
53) Dibromochloromethane	10.87	129	91443	19.040	ug/l	97
54) 1,2-Dibromoethane	10.98	107	84528	19.707	ug/l	98
55) 2-Chloroethyl vinyl ether	9.67	63	270571	86.039	ug/l	99
56) Bromoform	12.10	173	59624	18.919	ug/l	97
58) 4-Methyl-2-Pentanone	9.96	43	552598	96.762	ug/l	99
59) 2-Hexanone	10.72	43	386892	89.946	ug/l	100
61) Tetrachloroethene	10.60	164	79932	20.563	ug/l	97
62) Toluene	10.13	91	356339	19.512	ug/l	98
64) Chlorobenzene	11.41	112	213896	19.703	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	84992	20.027	ug/l	100
66) Ethyl Benzene	11.48	91	378545	19.206	ug/l	99
67) m/p-Xylenes	11.59	106	285257	39.211	ug/l	98
68) o-Xylene	11.92	106	133951	19.457	ug/l	97
69) Styrene	11.94	104	227617	19.306	ug/l	99
70) Isopropylbenzene	12.23	105	354557	19.676	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	112431	19.483	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	153743	26.714	ug/l	61
73) Bromobenzene	12.50	156	85696	19.225	ug/l	99
74) n-propylbenzene	12.57	91	414718	19.566	ug/l	98
75) 2-Chlorotoluene	12.65	91	263764	19.792	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	298163	19.601	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	36406	17.350	ug/l	93
78) 4-Chlorotoluene	12.75	91	266790	19.052	ug/l	100
79) tert-butylbenzene	12.97	119	231352	19.380	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	302054	19.704	ug/l	99
81) sec-Butylbenzene	13.15	105	305993	19.337	ug/l	100
82) p-Isopropyltoluene	13.26	119	267463	18.919	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	151508	19.320	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	149741	19.199	ug/l	97
85) n-Butylbenzene	13.59	91	226164	18.453	ug/l	100
86) Hexachloroethane	13.85	117	53058	18.835	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	151762	19.870	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	22578	18.110	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	58517	16.874	ug/l	99
90) Hexachlorobutadiene	14.98	225	33068	19.145	ug/l	97
91) Naphthalene	15.10	128	190119	16.573	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	62573	17.829	ug/l	96

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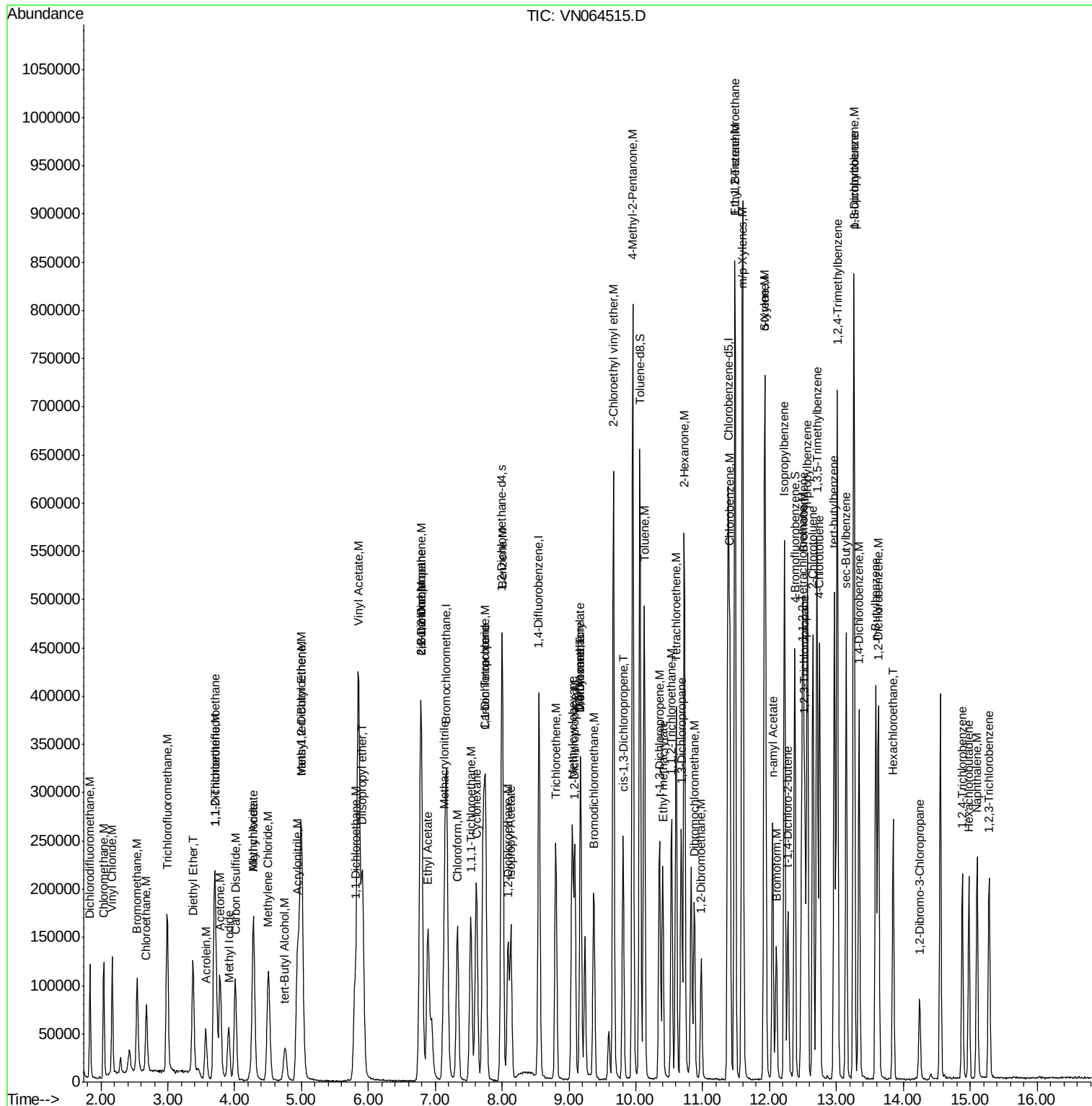
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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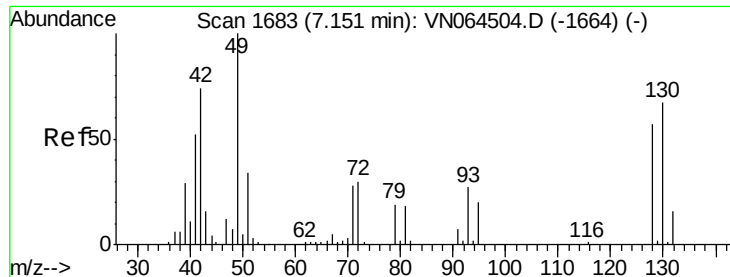
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Nov 10 03:20:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

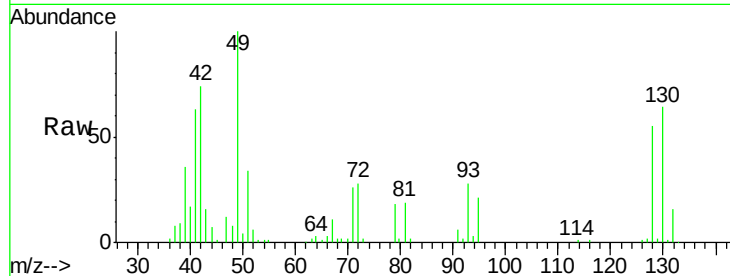
Tot Ion:128 Resp: 62399

Ion Ratio Lower Upper

128 100

49 189.6 0.0 475.5

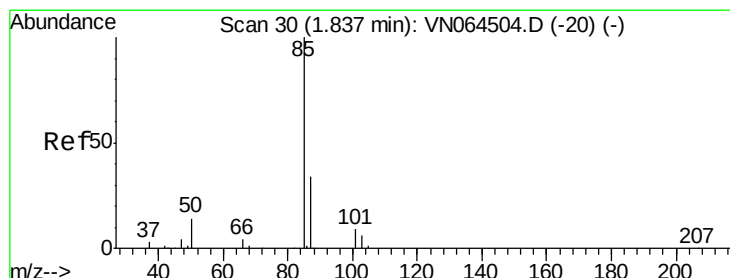
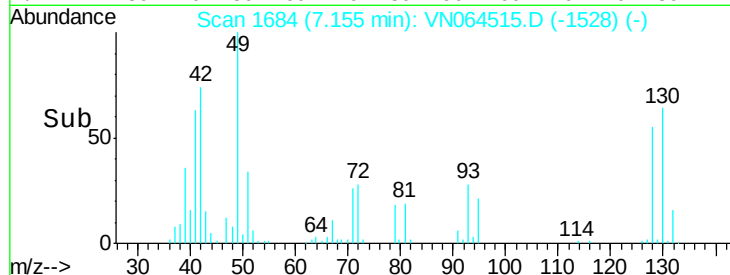
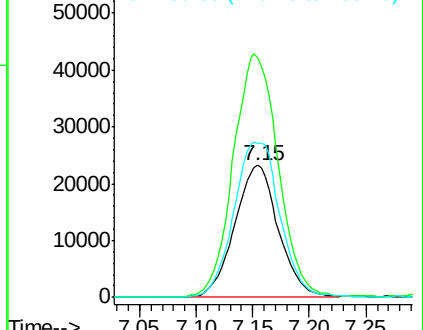
130 123.5 0.0 315.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.469 ug/l

RT: 1.84 min Scan# 30

Delta R.T. -0.00 min

Lab File: VN064515.D

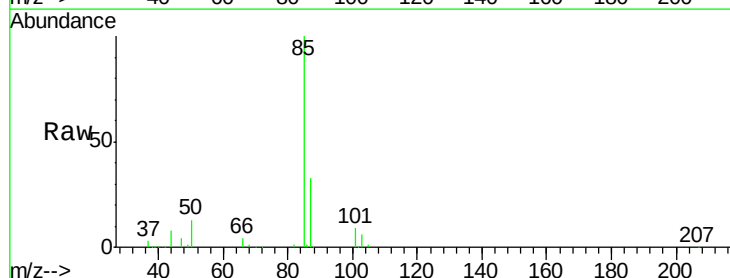
Acq: 9 Nov 2020 18:46

Tgt Ion: 85 Resp: 85540

Ion Ratio Lower Upper

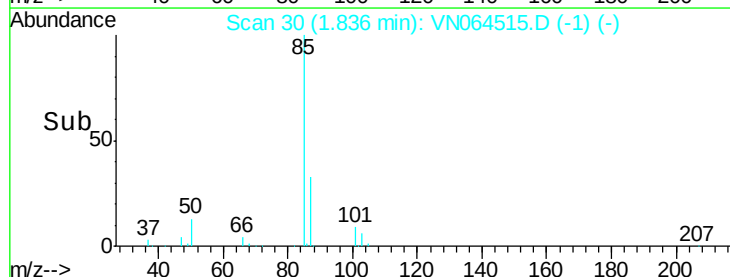
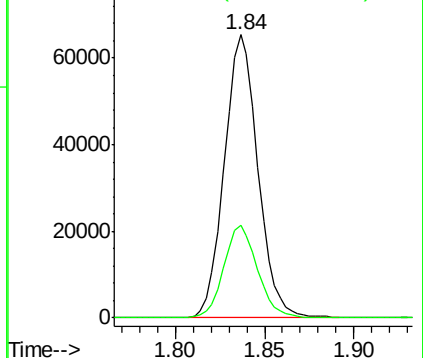
85 100

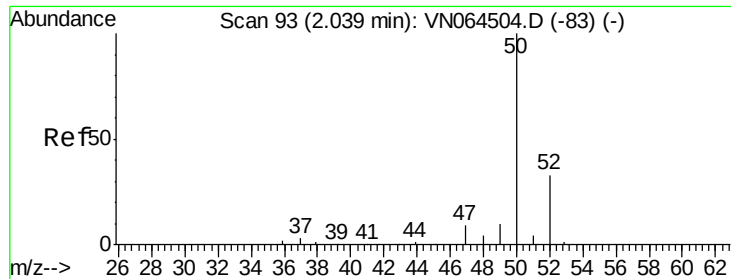
87 32.5 17.0 50.9



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 20.390 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

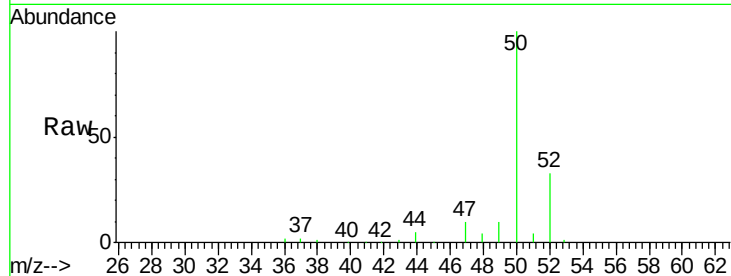
VSTDCCC020EC

Tot Ion: 50 Resp: 97233

Ion Ratio Lower Upper

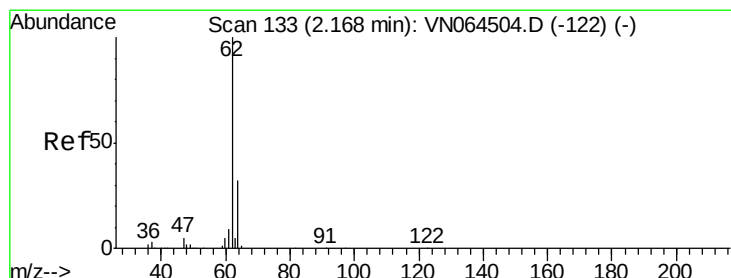
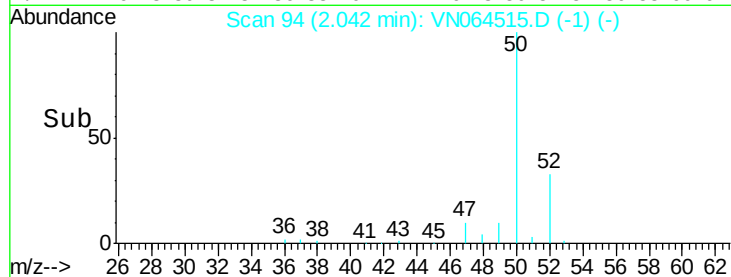
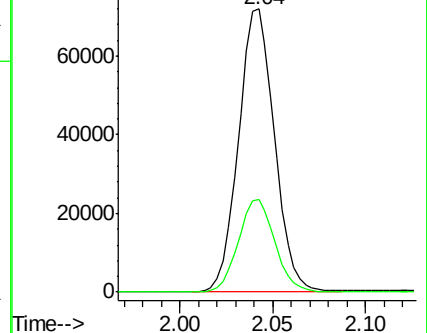
50 100

52 32.6 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.506 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064515.D

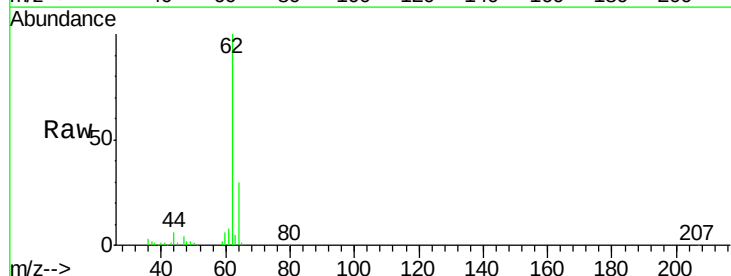
Acq: 9 Nov 2020 18:46

Tgt Ion: 62 Resp: 105950

Ion Ratio Lower Upper

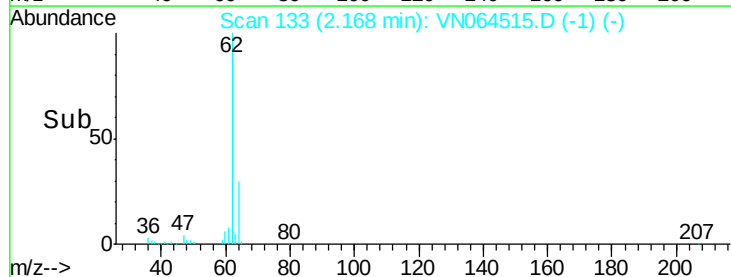
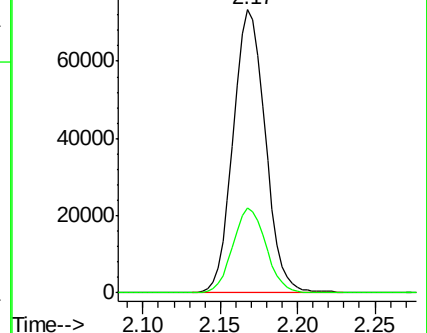
62 100

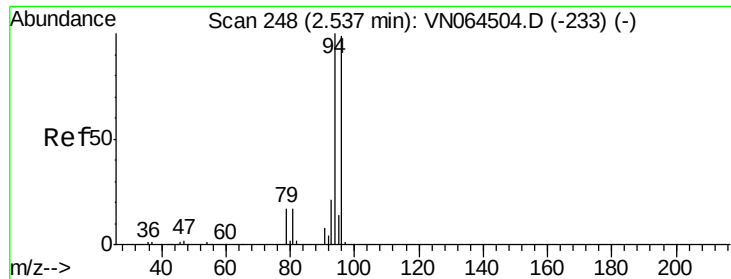
64 29.9 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.611 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

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ClientSampleId :

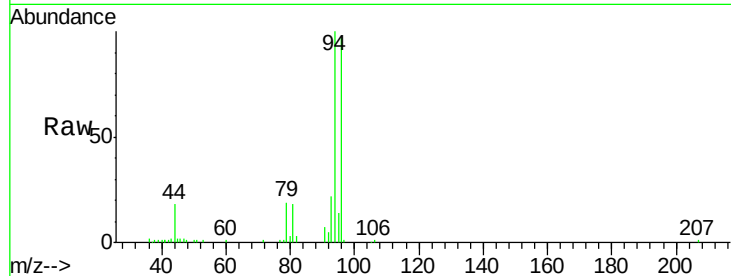
VSTDCCC020EC

Tot Ion: 94 Resp: 66317

Ion Ratio Lower Upper

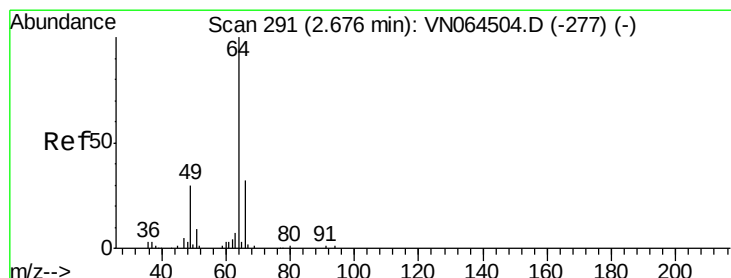
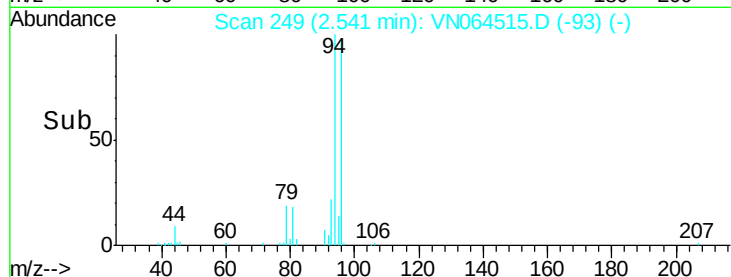
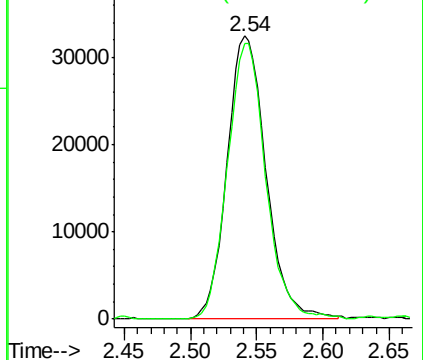
94 100

96 97.3 79.3 118.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.406 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN064515.D

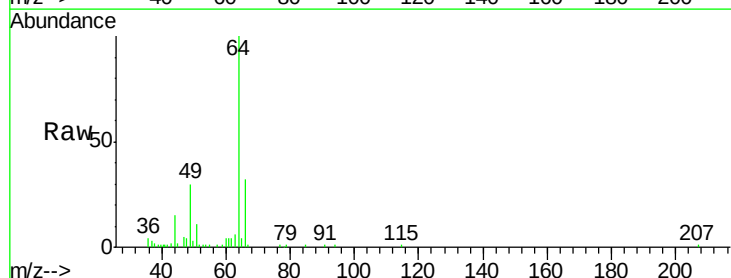
Acq: 9 Nov 2020 18:46

Tgt Ion: 64 Resp: 65840

Ion Ratio Lower Upper

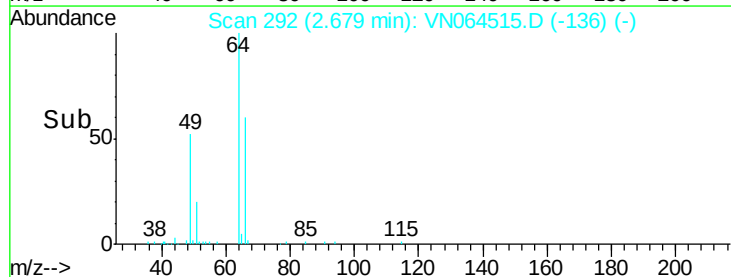
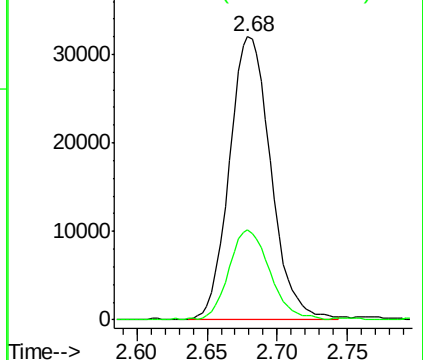
64 100

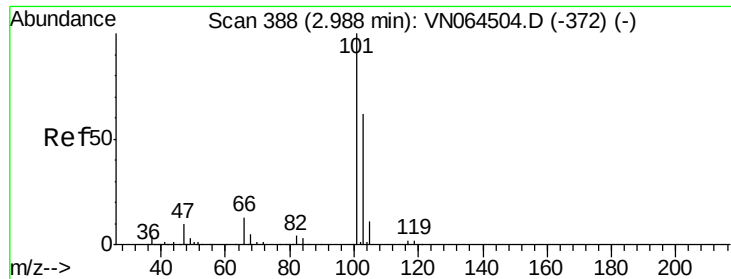
66 31.0 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



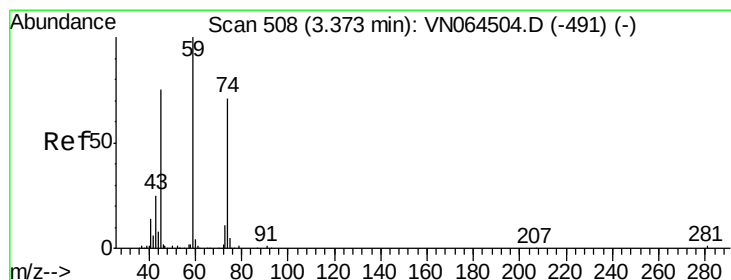
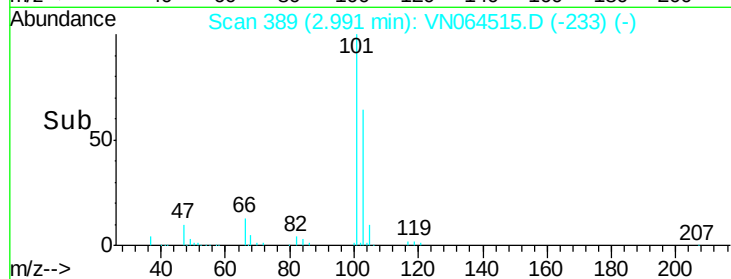
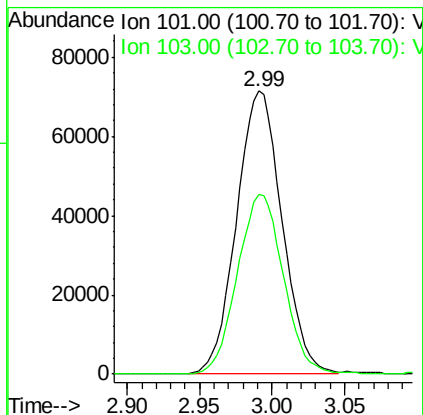
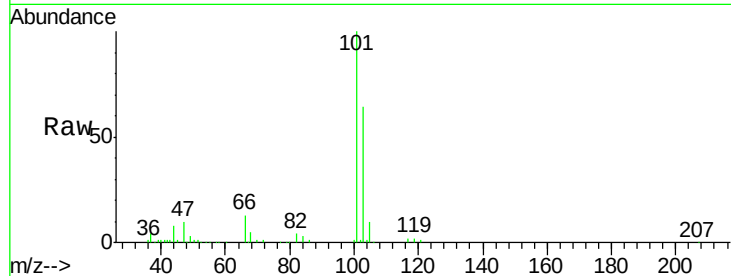


#7

Trichlorofluoromethane
 Concen: 20.817 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

Instrument :
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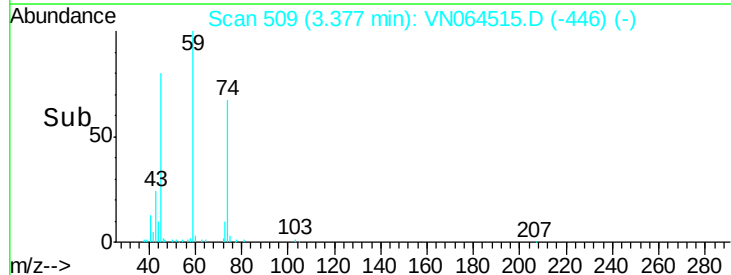
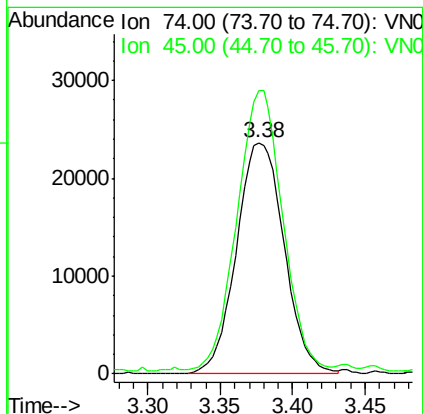
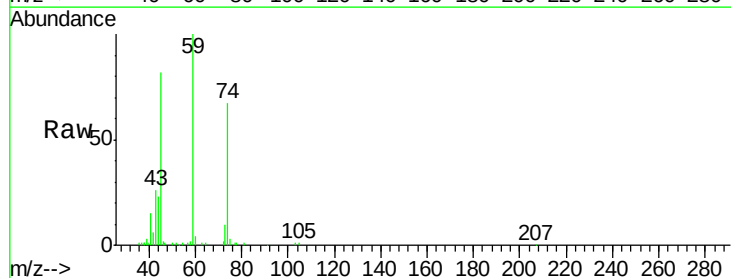
Tot Ion:101 Resp: 155745
 Ion Ratio Lower Upper
 101 100
 103 63.6 49.3 73.9

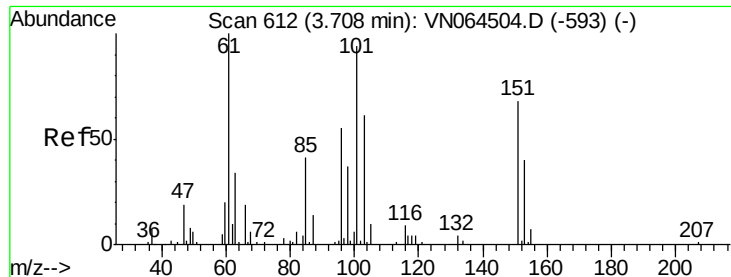


#8

Diethyl Ether
 Concen: 20.237 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

Tgt Ion: 74 Resp: 54073
 Ion Ratio Lower Upper
 74 100
 45 117.4 22.1 198.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.810 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.01 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

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VSTDCCC020EC

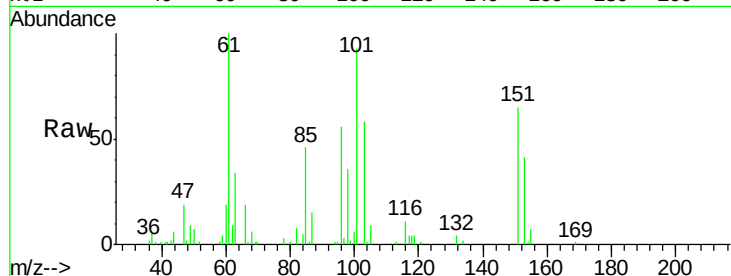
Tot Ion:101 Resp: 69758

Ion Ratio Lower Upper

101 100

85 48.7 0.0 49.0

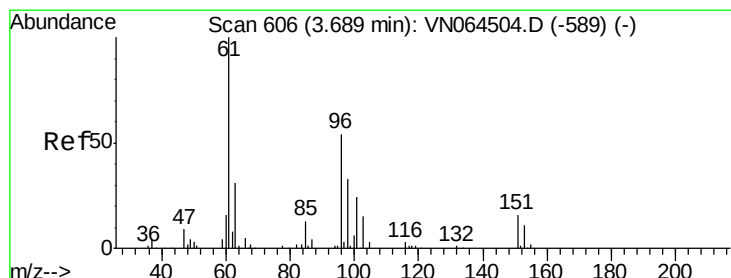
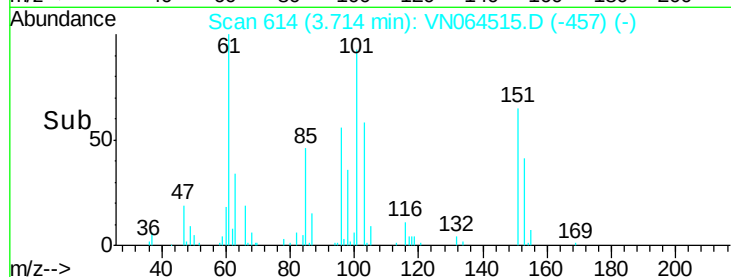
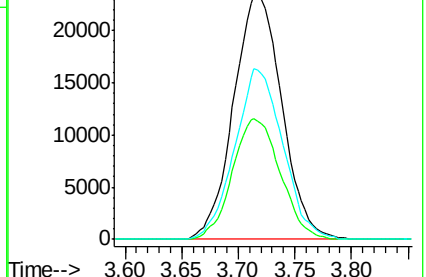
151 69.2 0.0 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.767 ug/l

RT: 3.69 min Scan# 608

Delta R.T. 0.01 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

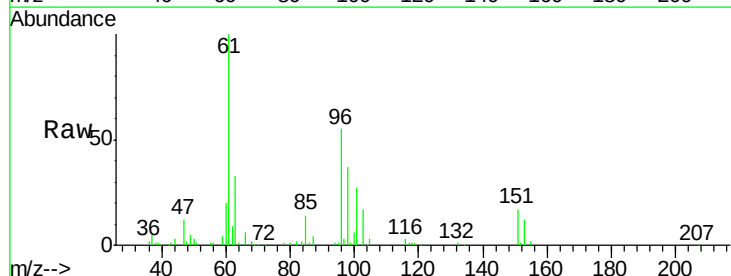
Tgt Ion: 96 Resp: 66586

Ion Ratio Lower Upper

96 100

61 180.9 149.2 223.8

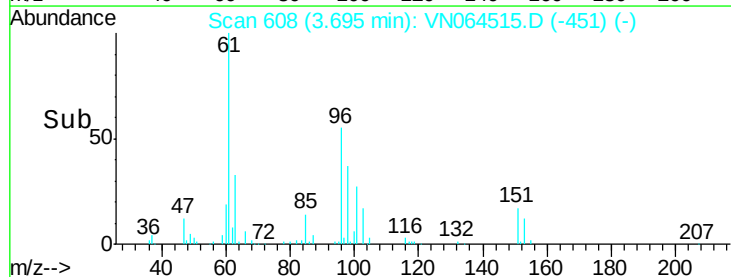
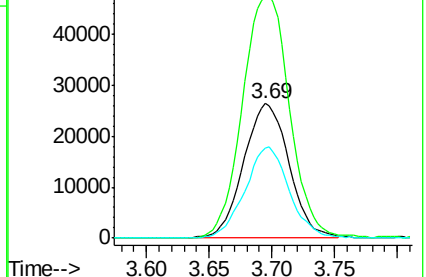
98 67.1 49.6 74.4

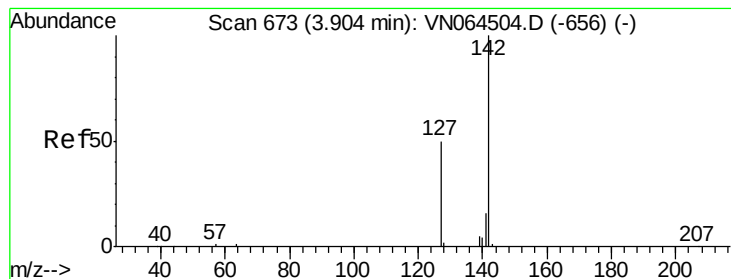


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





#11

Methvl Iodide

Concen: 19.690 ug/l

RT: 3.91 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

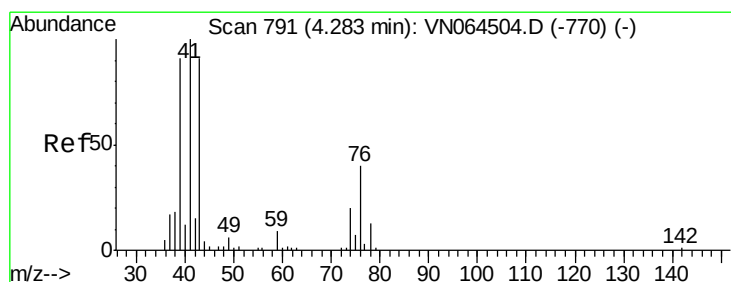
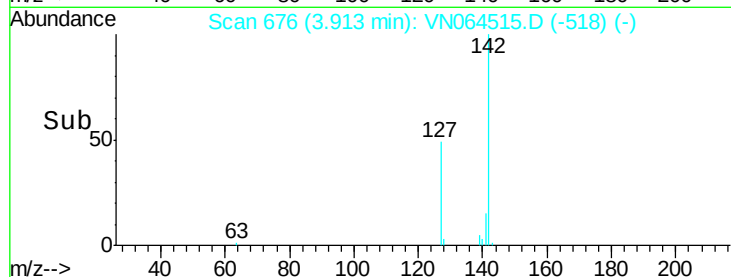
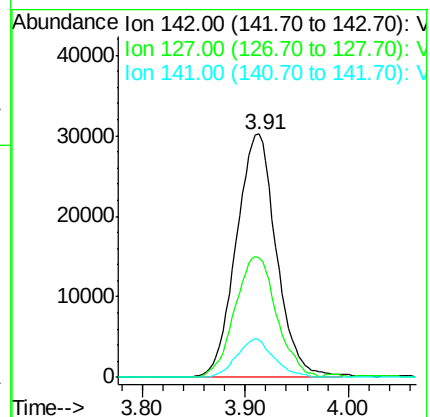
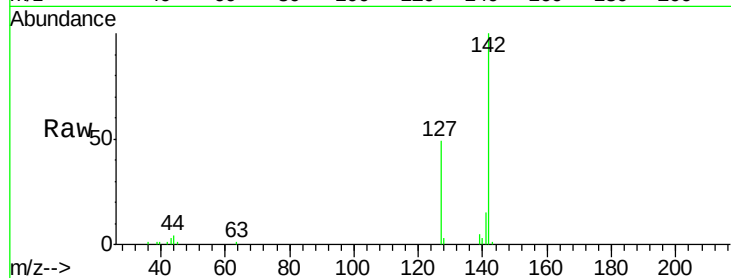
Tot Ion:142 Resp: 81769

Ion Ratio Lower Upper

142 100

127 49.0 24.7 74.1

141 15.0 7.8 23.3



#12

Methyl Acetate

Concen: 20.949 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN064515.D

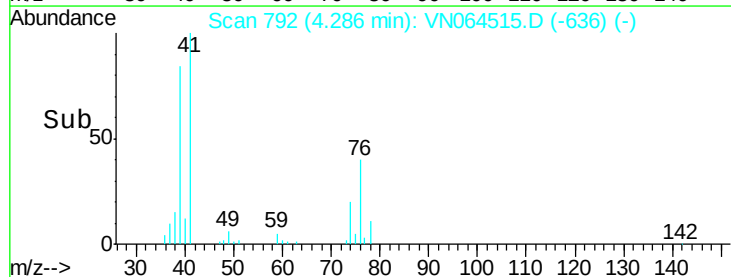
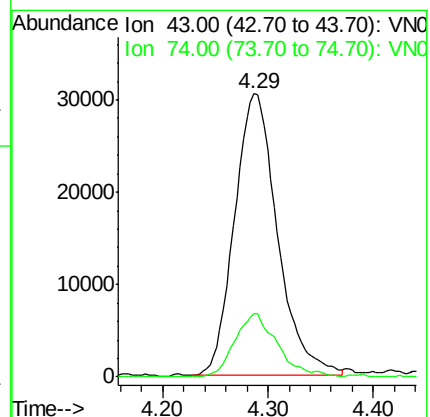
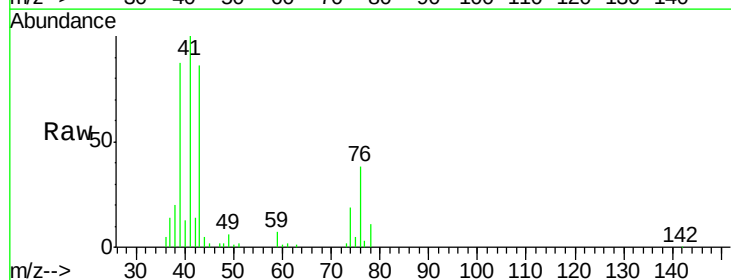
Acq: 9 Nov 2020 18:46

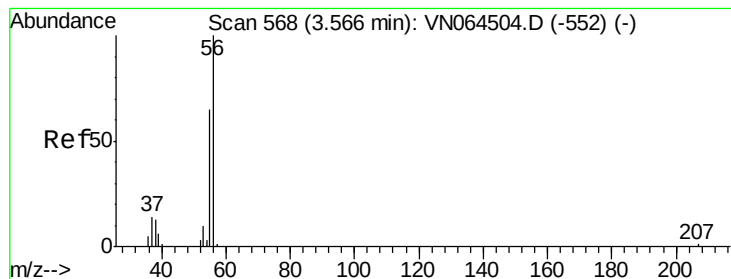
Tgt Ion: 43 Resp: 86038

Ion Ratio Lower Upper

43 100

74 22.7 17.7 26.5





#13

Acrolein

Concen: 129.734 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

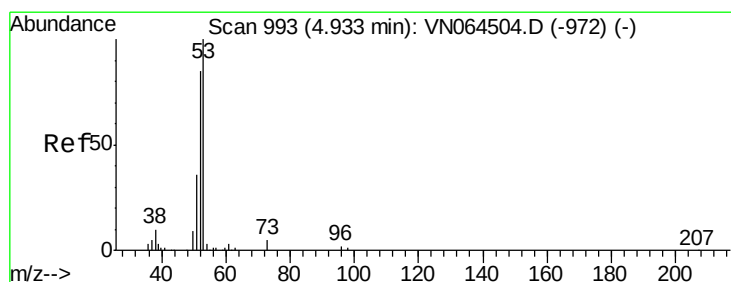
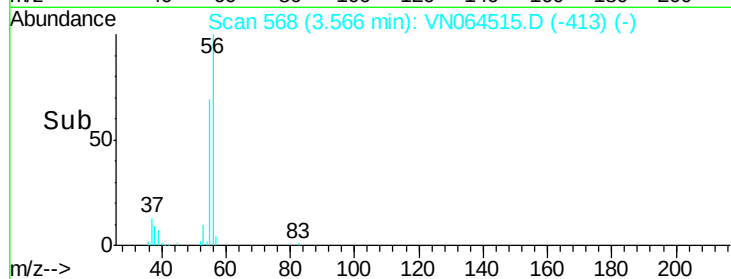
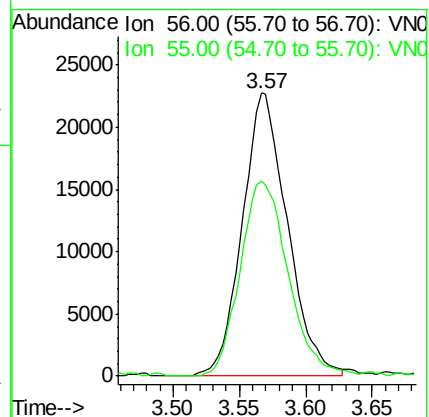
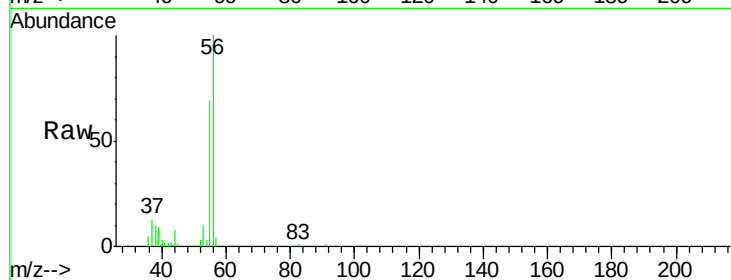
VSTDCCC020EC

Tot Ion: 56 Resp: 53882

Ion Ratio Lower Upper

56 100

55 73.4 58.2 87.2



#14

Acrylonitrile

Concen: 94.559 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

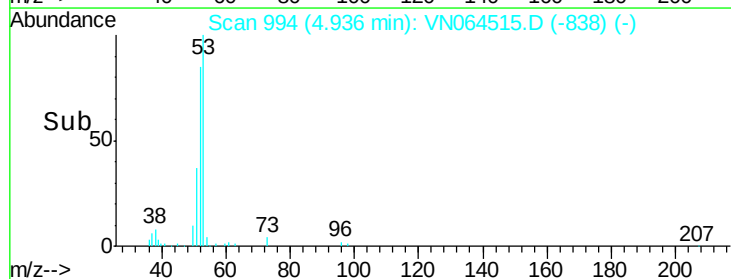
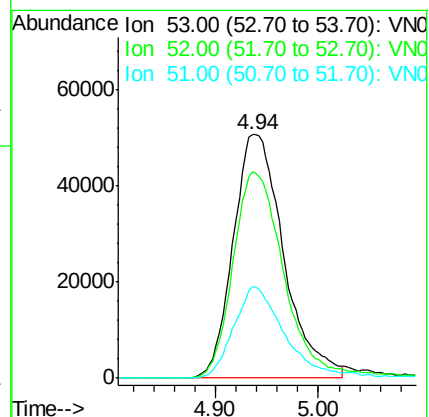
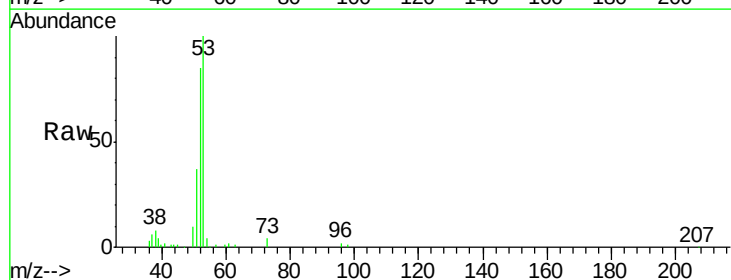
Tgt Ion: 53 Resp: 172721

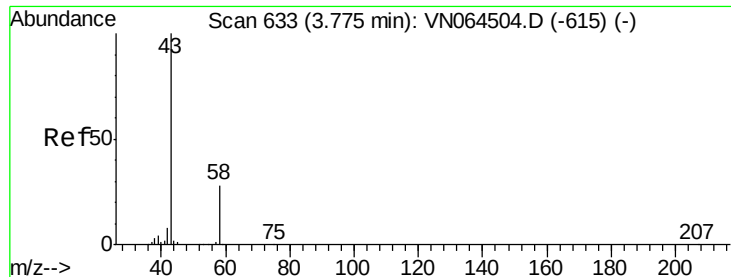
Ion Ratio Lower Upper

53 100

52 84.3 41.3 124.1

51 37.3 18.9 56.5





#15

Acetone

Concen: 80.885 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

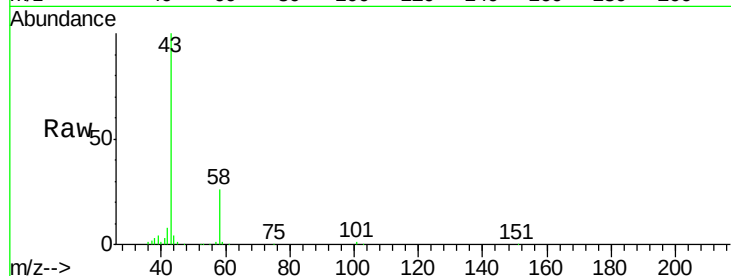
VSTDCCC020EC

Tot Ion: 58 Resp: 48759

Ion Ratio Lower Upper

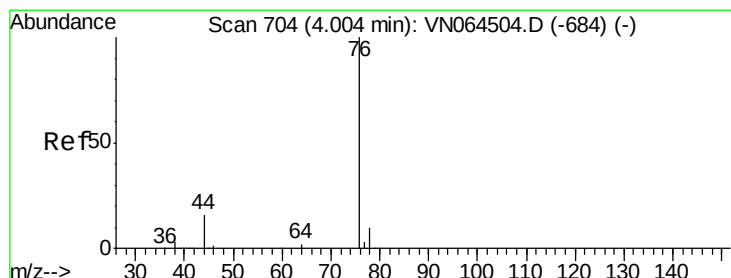
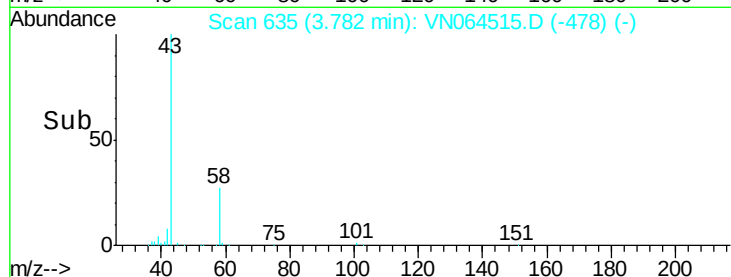
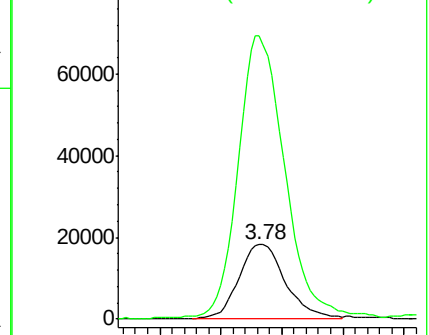
58 100

43 376.0 289.8 434.8



Abundance Ion 58.00 (57.70 to 58.70): VN064515.D (-615) (-)

Ion 43.00 (42.70 to 43.70): VN064515.D (-615) (-)



#16

Carbon Disulfide

Concen: 19.688 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.01 min

Lab File: VN064515.D

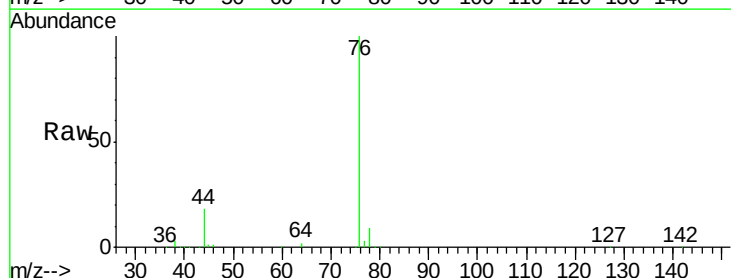
Acq: 9 Nov 2020 18:46

Tgt Ion: 76 Resp: 201262

Ion Ratio Lower Upper

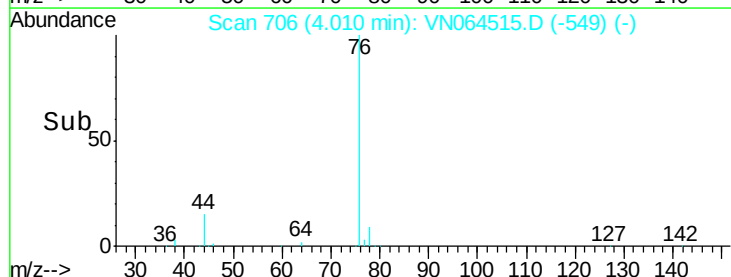
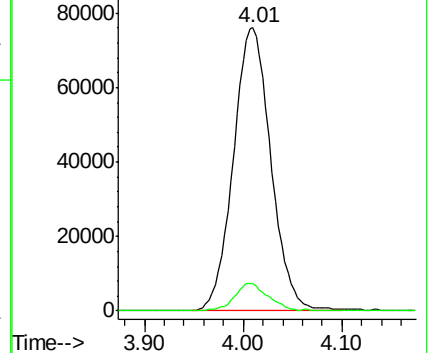
76 100

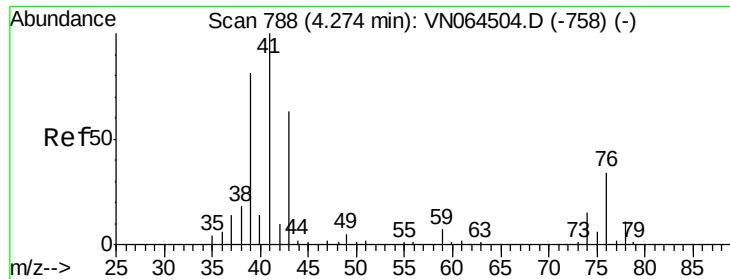
78 9.5 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VN064515.D (-684) (-)

Ion 78.00 (77.70 to 78.70): VN064515.D (-684) (-)

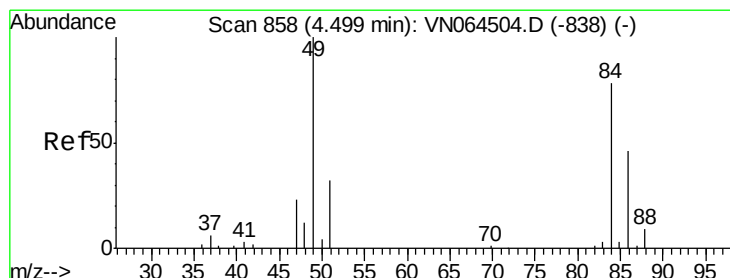
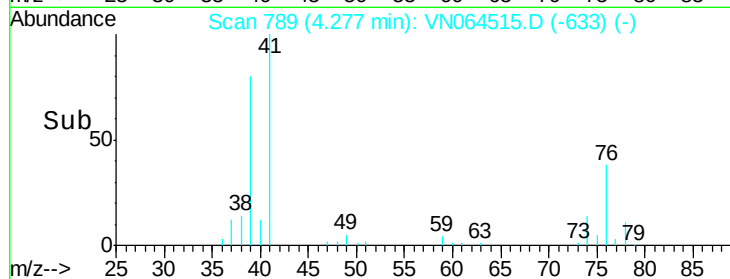
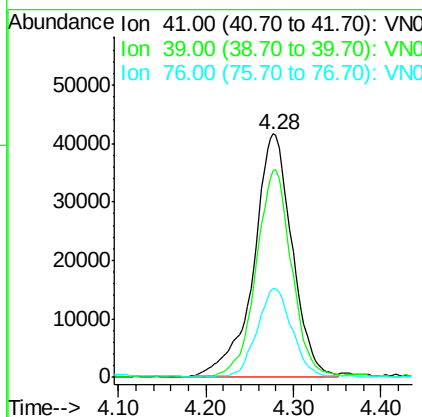
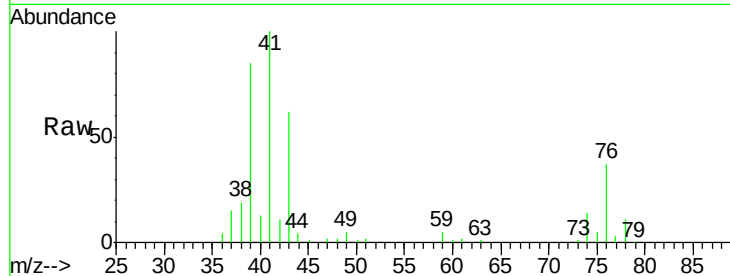




#17
Allvl chloride
Concen: 20.177 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

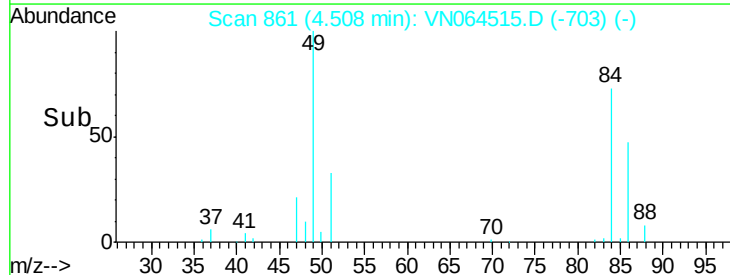
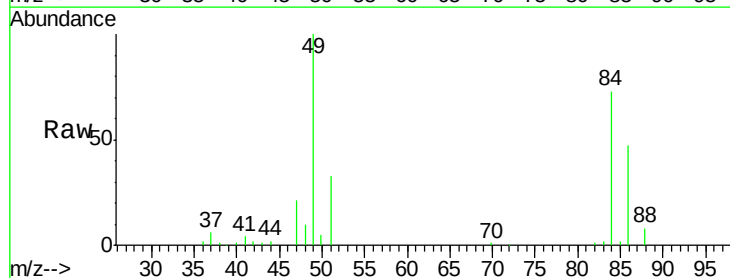
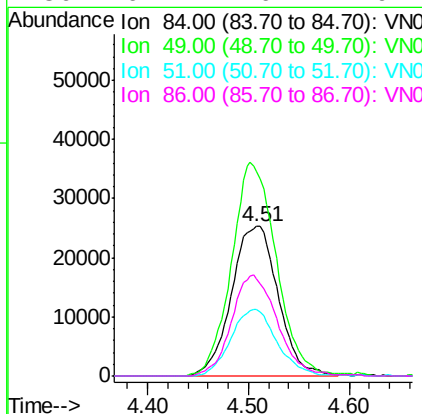
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

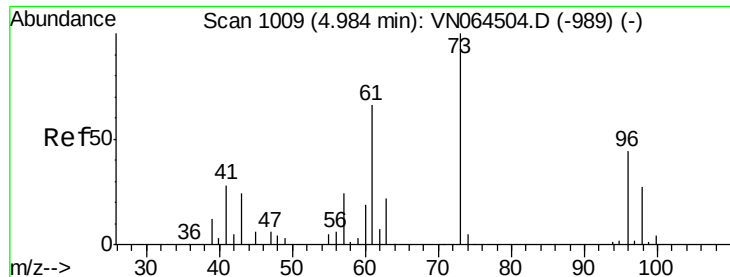
Tot Ion: 41 Resp: 127701
Ion Ratio Lower Upper
41 100
39 85.0 40.3 120.8
76 36.2 16.8 50.3



#18
Methylene Chloride
Concen: 20.338 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion: 84 Resp: 81353
Ion Ratio Lower Upper
84 100
49 135.8 102.1 153.1
51 44.8 32.6 48.8
86 64.7 46.7 70.1

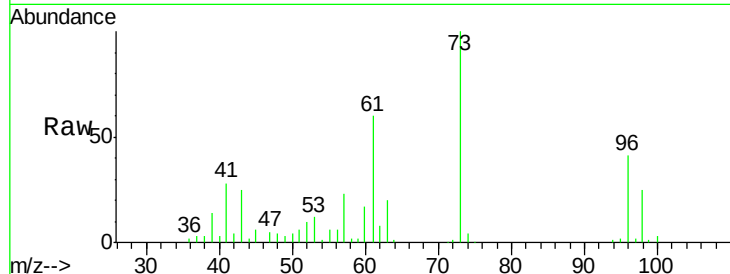




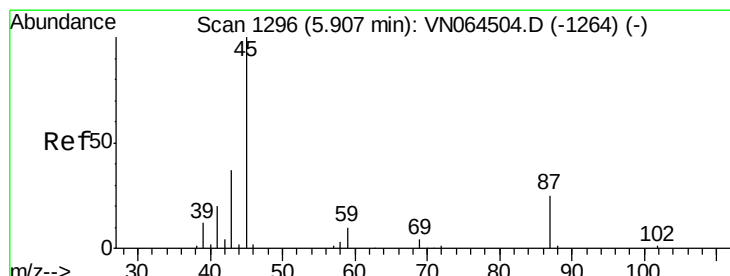
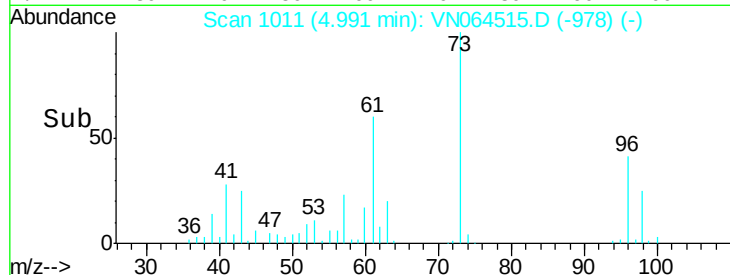
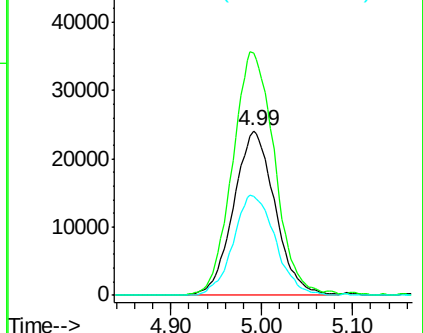
#19
trans-1,2-Dichloroethene
Concen: 19.951 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 76170
Ion Ratio Lower Upper
96 100
61 146.5 120.1 180.1
98 60.0 49.1 73.7

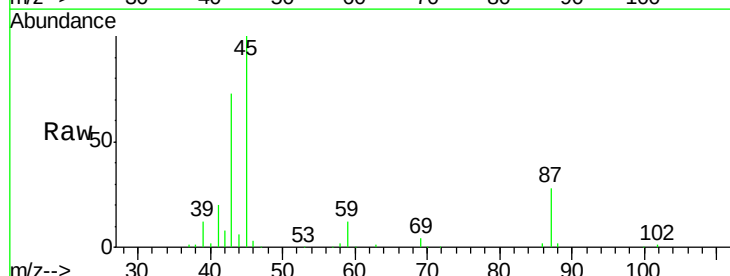


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

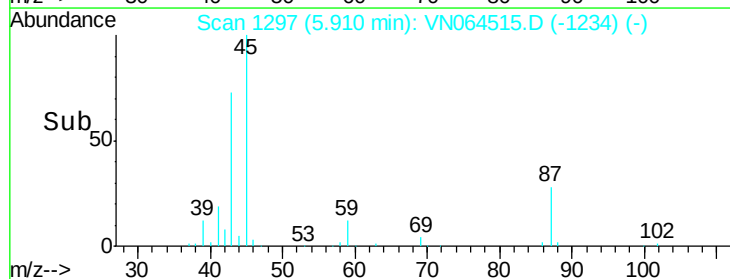
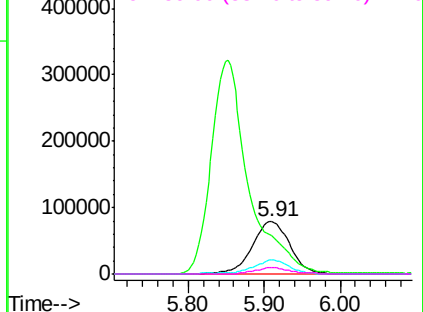


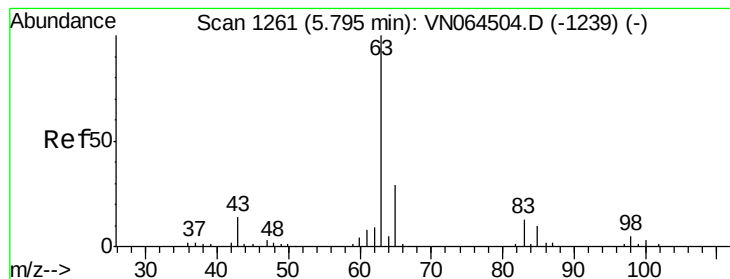
#20
Diisopropyl ether
Concen: 19.724 ug/l
RT: 5.91 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion: 45 Resp: 271812
Ion Ratio Lower Upper
45 100
43 70.5 53.1 79.7
87 27.3 21.0 31.6
59 11.5 8.2 12.4



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





#21

1,1-Dichloroethane

Concen: 20.410 ug/l

RT: 5.80 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

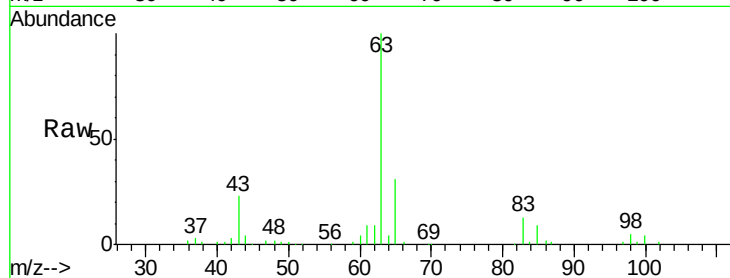
Tot Ion: 63 Resp: 154674

Ion Ratio Lower Upper

63 100

98 5.1 2.6 8.0

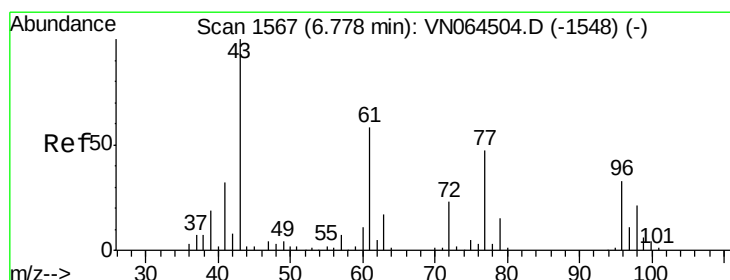
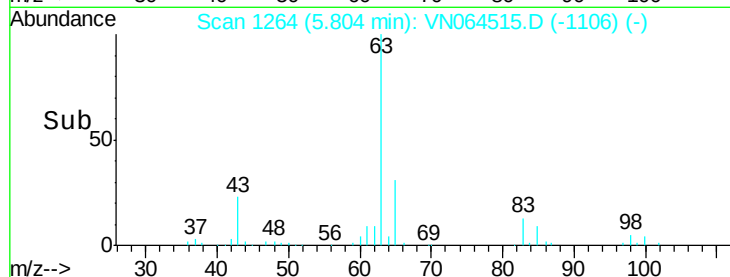
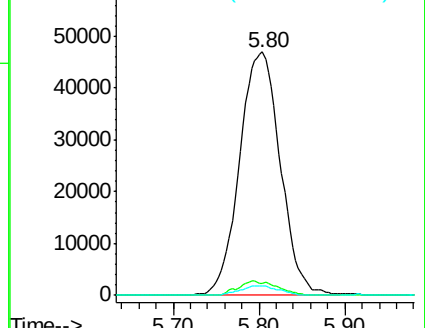
100 3.9 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VN064515.D (-1106) (-)

Ion 98.00 (97.70 to 98.70): VN064515.D (-1106) (-)

Ion 100.00 (99.70 to 100.70): VN064515.D (-1106) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.369 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

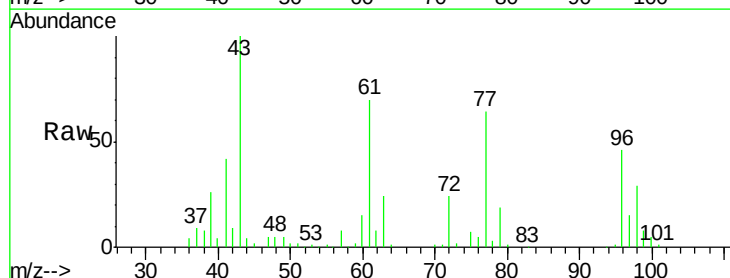
Tgt Ion: 96 Resp: 88133

Ion Ratio Lower Upper

96 100

61 156.3 136.1 204.1

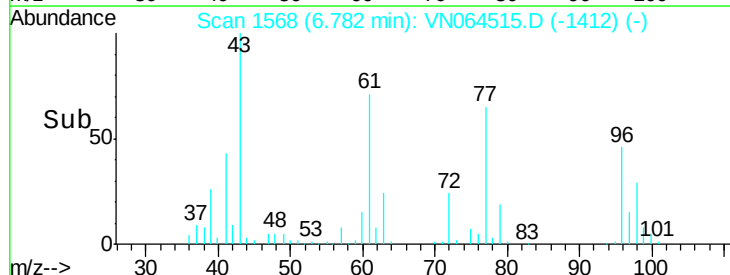
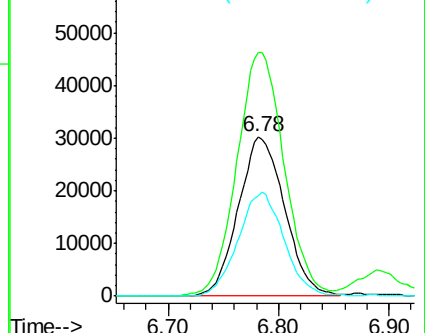
98 64.4 51.8 77.8

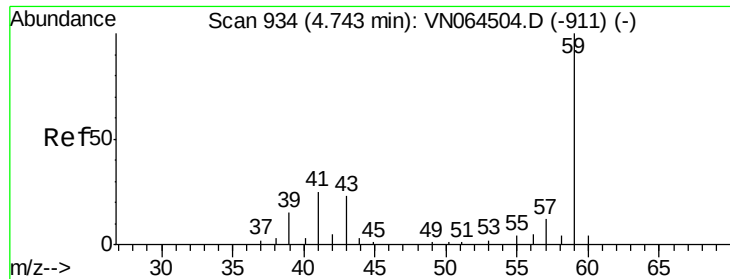


Abundance Ion 96.00 (95.70 to 96.70): VN064515.D (-1412) (-)

Ion 61.00 (60.70 to 61.70): VN064515.D (-1412) (-)

Ion 98.00 (97.70 to 98.70): VN064515.D (-1412) (-)

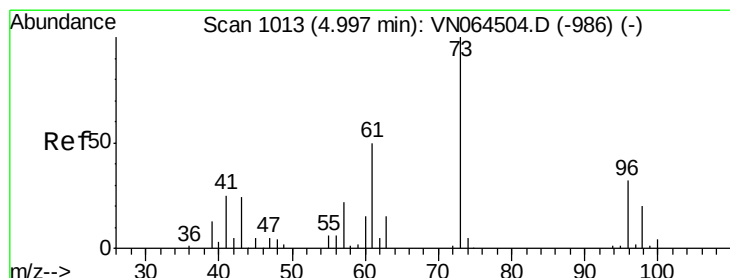
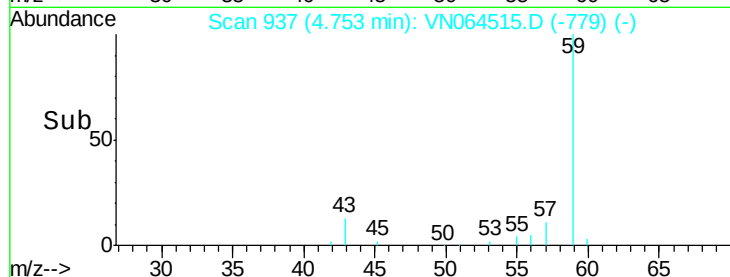
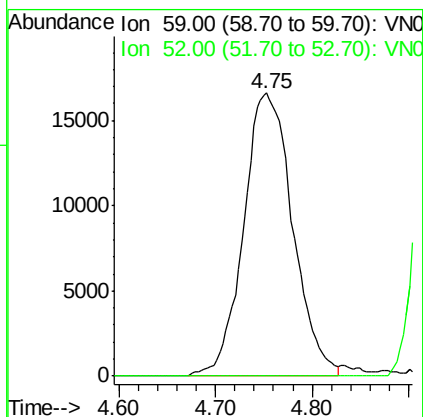
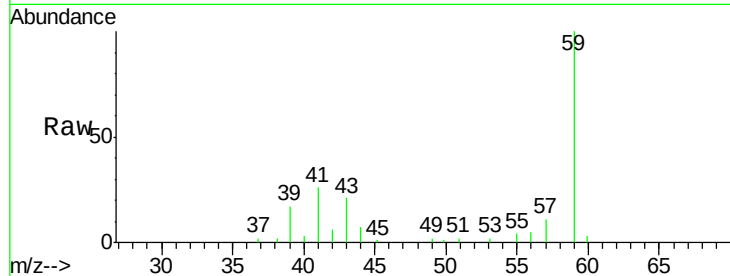




#23
 tert-Butyl Alcohol
 Concen: 93.710 ug/l
 RT: 4.75 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

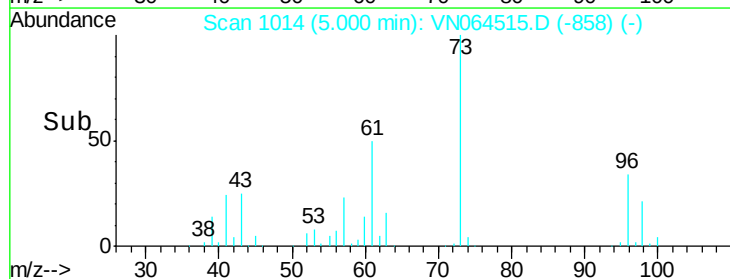
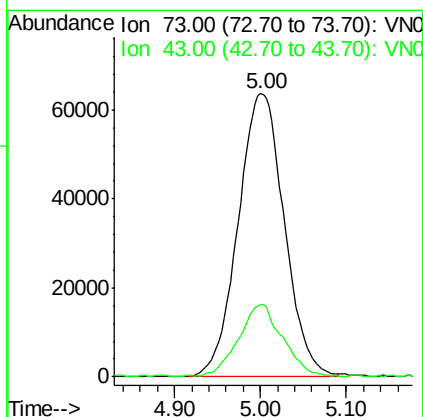
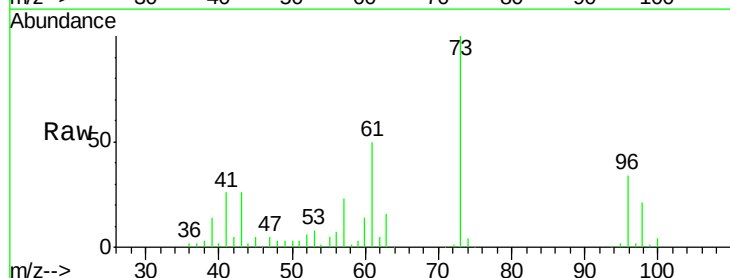
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

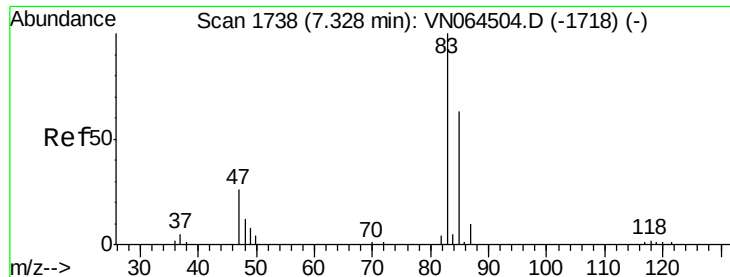
Tot Ion: 59 Resp: 58611
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 19.958 ug/l
 RT: 5.00 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

Tgt Ion: 73 Resp: 237789
 Ion Ratio Lower Upper
 73 100
 43 23.8 10.2 15.2#

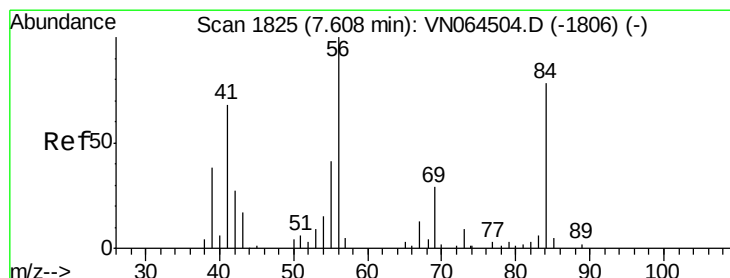
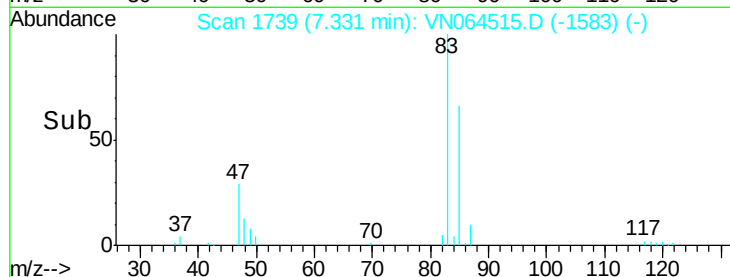
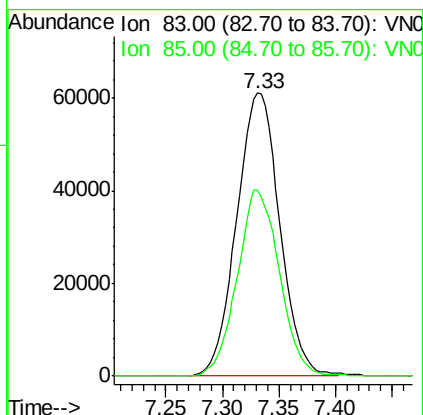
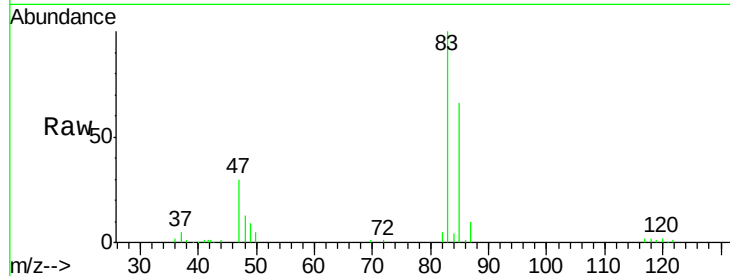




#25
Chloroform
Concen: 20.321 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

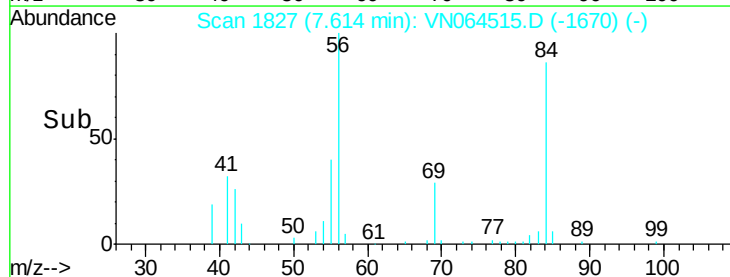
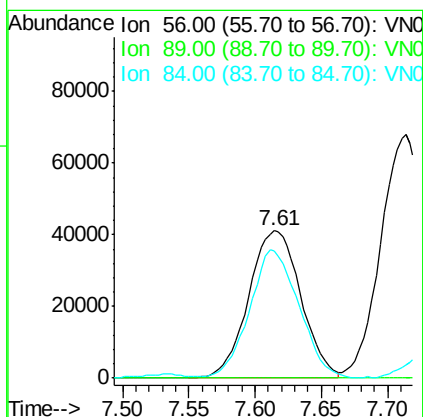
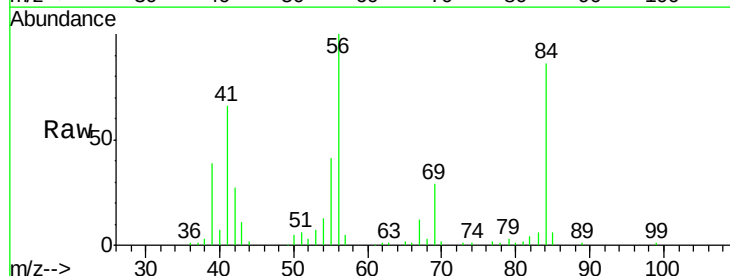
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

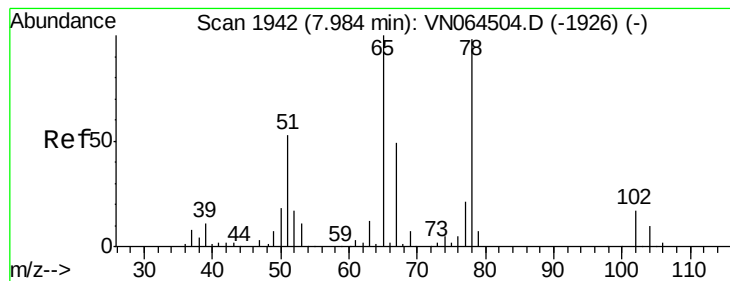
Tot Ion: 83 Resp: 161822
Ion Ratio Lower Upper
83 100
85 65.3 50.6 75.8



#26
Cyclohexane
Concen: 19.239 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion: 56 Resp: 112564
Ion Ratio Lower Upper
56 100
89 0.2 0.6 0.8#
84 82.2 66.1 99.1





#27

1,2-Dichloroethane-d4

Concen: 30.942 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

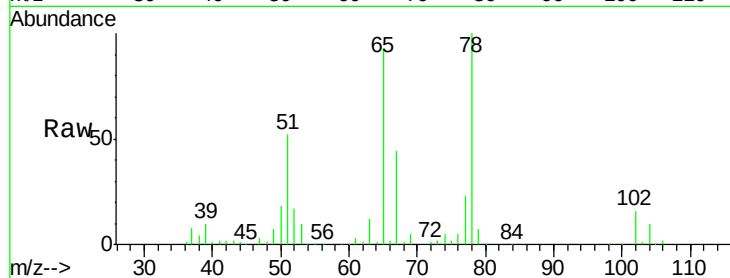
VSTDCCC020EC

Tot Ion: 65 Resp: 170923

Ion Ratio Lower Upper

65 100

67 48.5 41.1 61.7



Abundance Ion 65.00 (64.70 to 65.70): VN064515.D (-1787) (-)

Ion 67.00 (66.70 to 67.70): VN064515.D (-1787) (-)

7.99

80000

60000

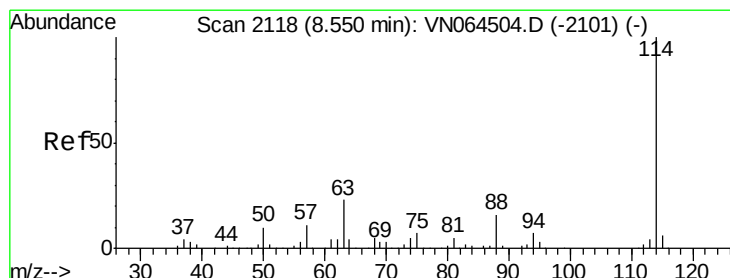
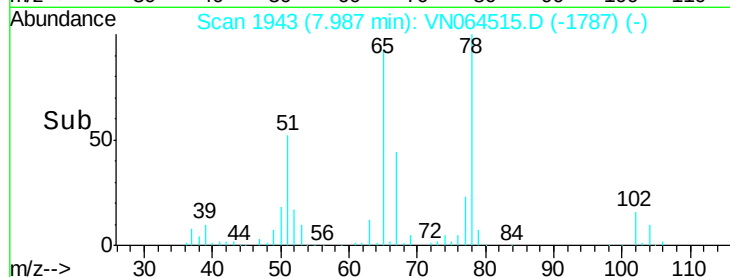
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

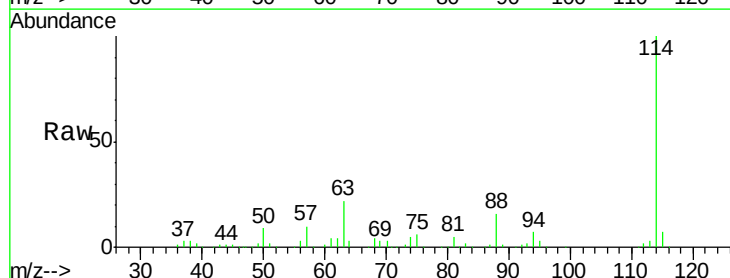
Tgt Ion: 114 Resp: 335815

Ion Ratio Lower Upper

114 100

63 21.8 18.5 27.7

88 16.1 13.0 19.6



Abundance Ion 114.00 (113.70 to 114.70): VN064515.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN064515.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN064515.D (-1963) (-)

8.55

200000

150000

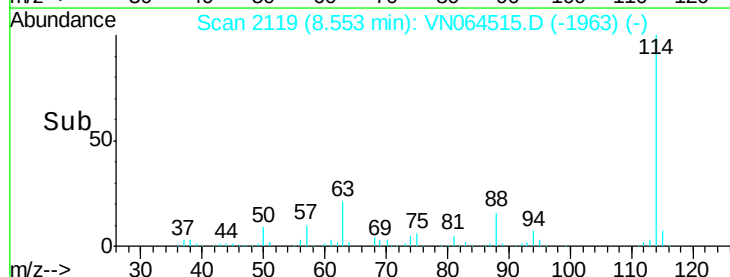
100000

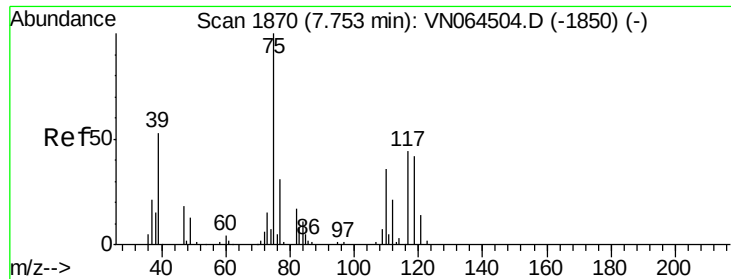
50000

0

8.45 8.50 8.55 8.60 8.65

Time-->

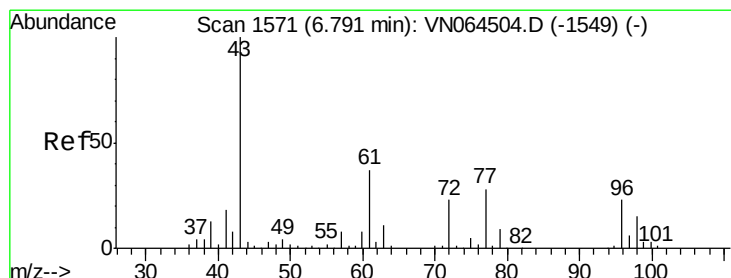
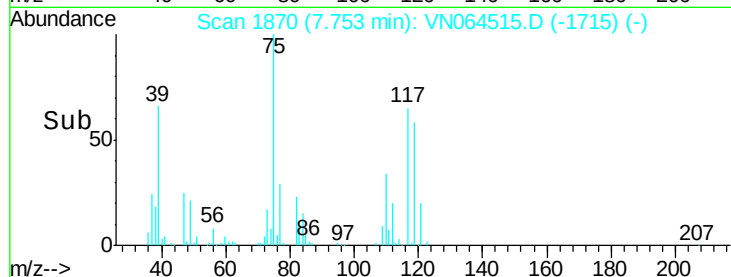
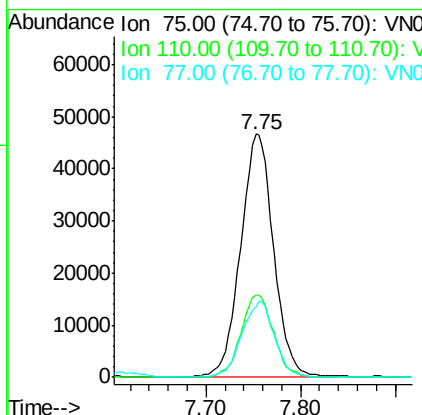
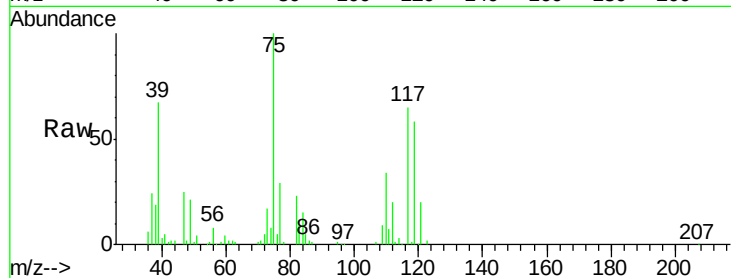




#29
 1,1-Dichloropropene
 Concen: 19.389 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

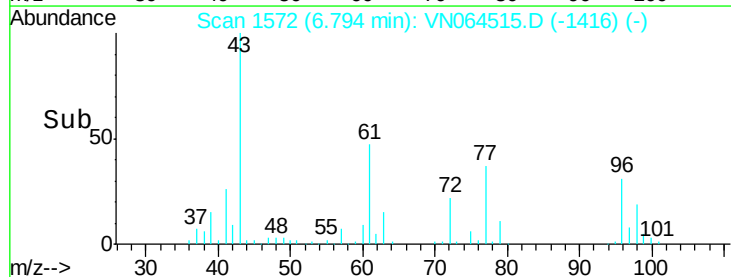
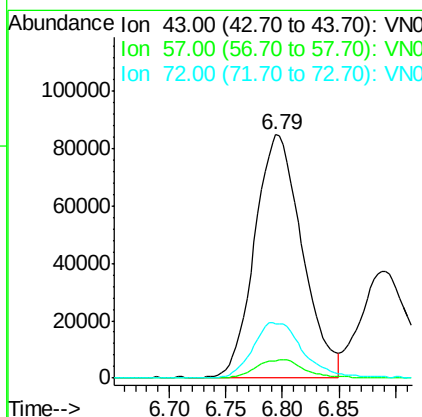
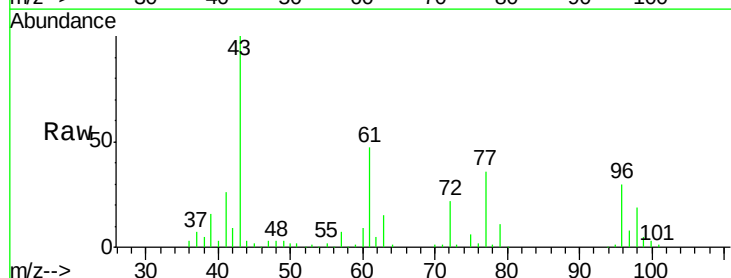
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

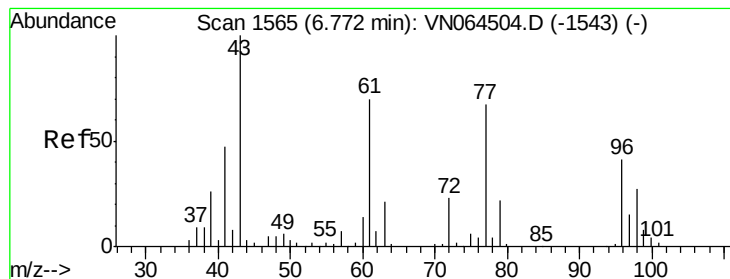
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.3	0.0	66.4
77	30.9	0.0	62.0



#30
 2-Butanone
 Concen: 85.294 ug/l
 RT: 6.79 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.2	9.4
72	13.2	9.9	14.9





#31

2,2-Dichloropropane

Concen: 19.015 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

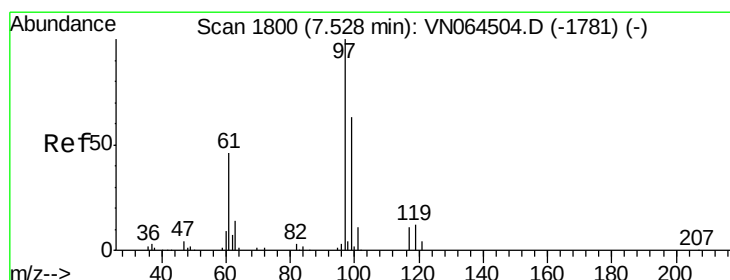
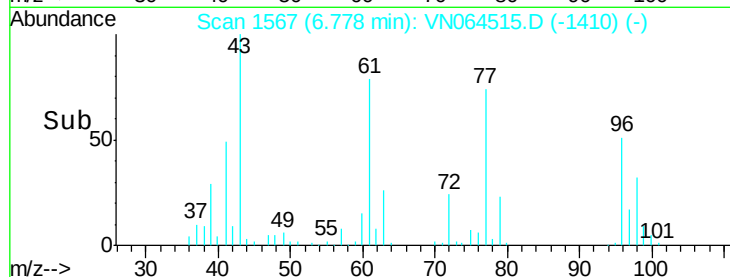
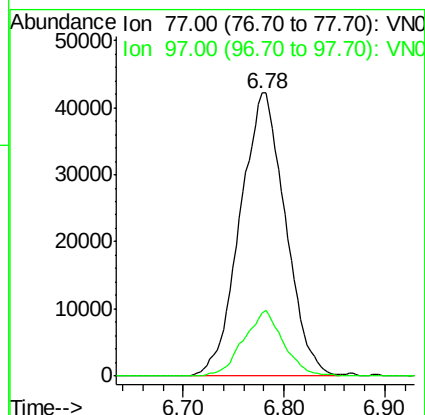
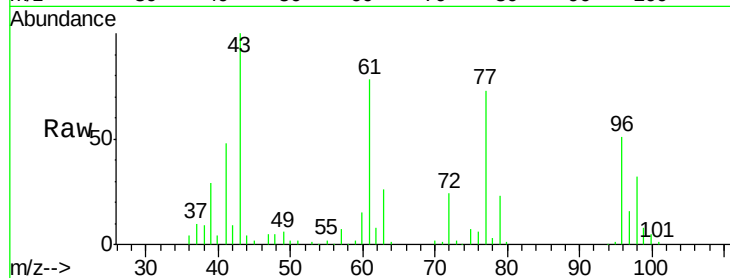
VSTDCCC020EC

Tot Ion: 77 Resp: 131628

Ion Ratio Lower Upper

77 100

97 20.3 16.9 25.3



#32

1,1,1-Trichloroethane

Concen: 19.979 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

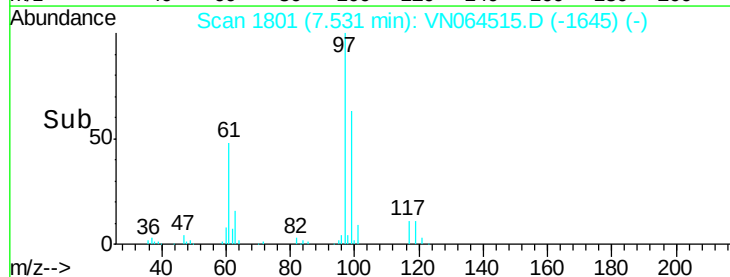
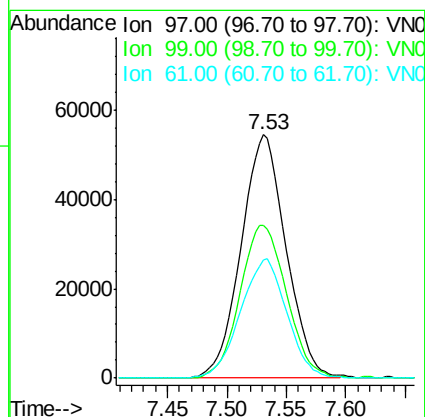
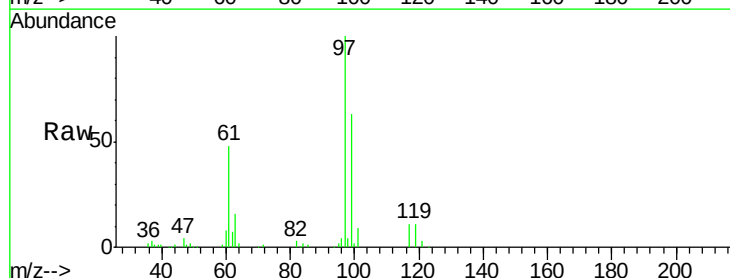
Tgt Ion: 97 Resp: 142814

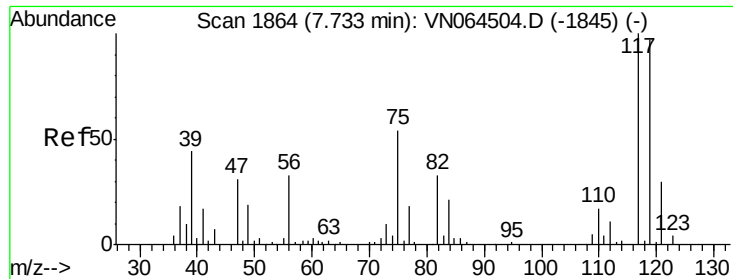
Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.8

61 50.3 39.4 59.0

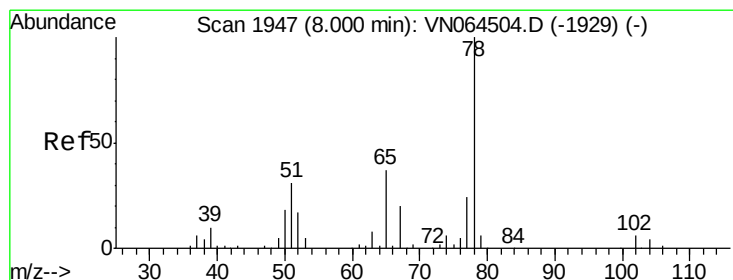
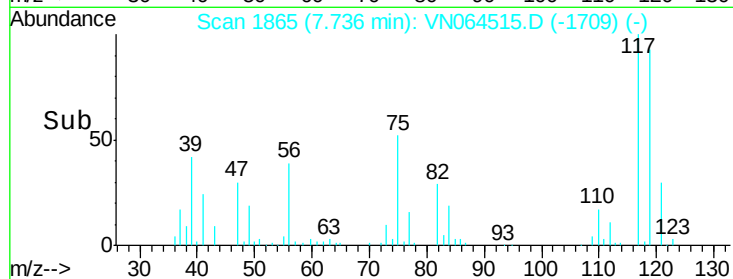
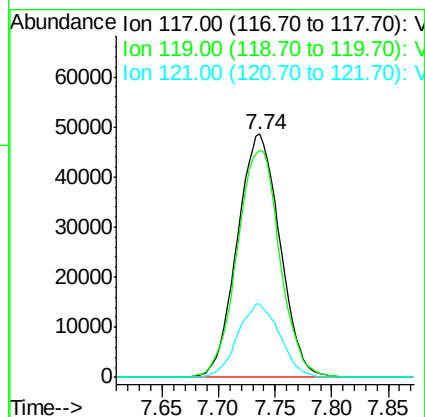
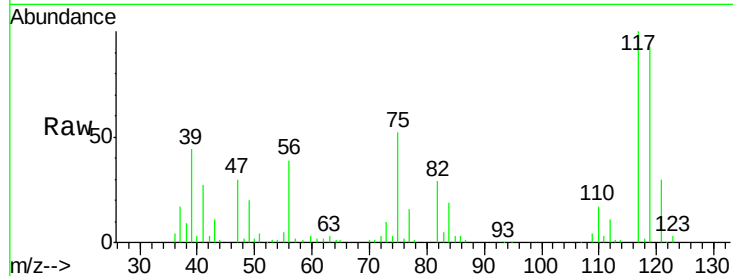




#33
Carbon Tetrachloride
Concen: 20.008 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

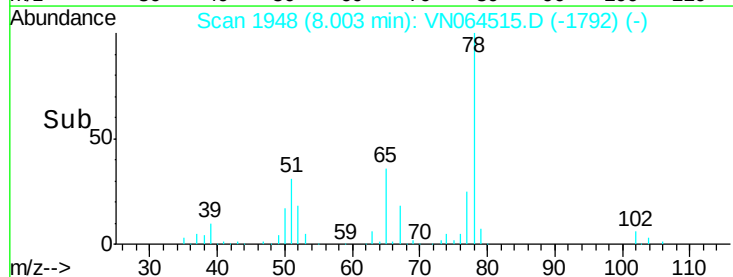
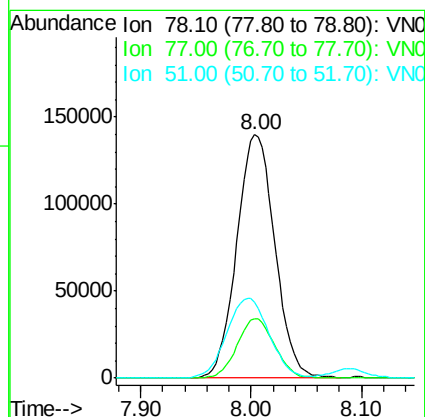
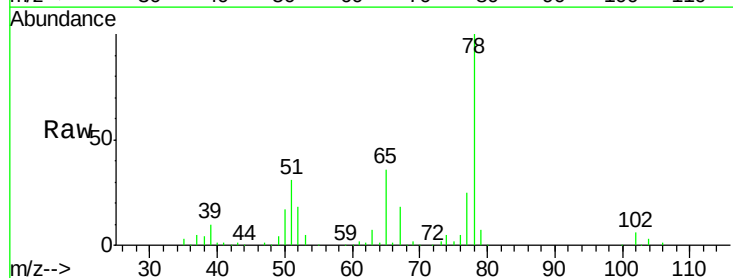
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

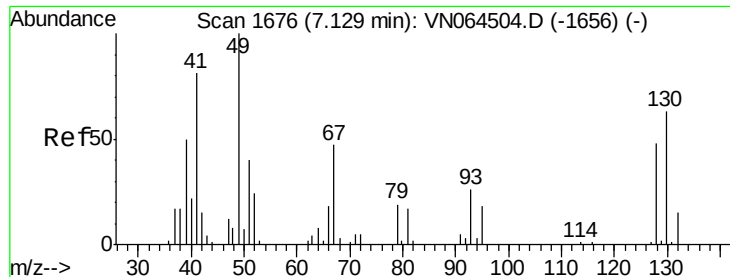
Tot Ion:117 Resp: 127725
Ion Ratio Lower Upper
117 100
119 93.2 77.9 116.9
121 30.4 24.0 36.0



#34
Benzene
Concen: 19.847 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion: 78 Resp: 334894
Ion Ratio Lower Upper
78 100
77 24.6 18.9 28.3
51 30.7 24.6 36.8

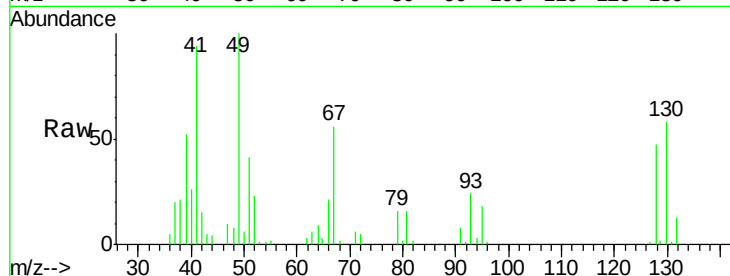




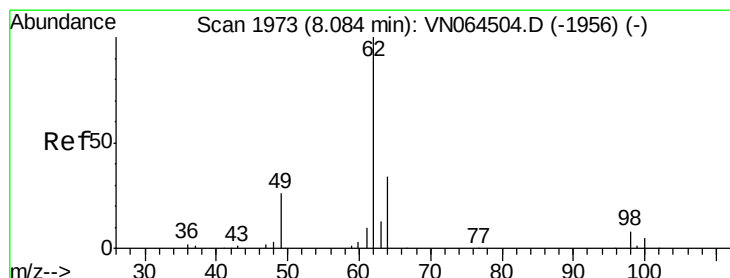
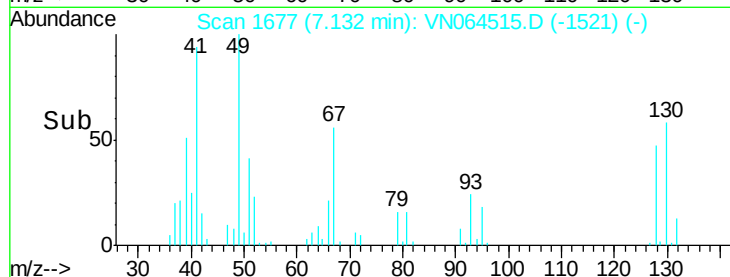
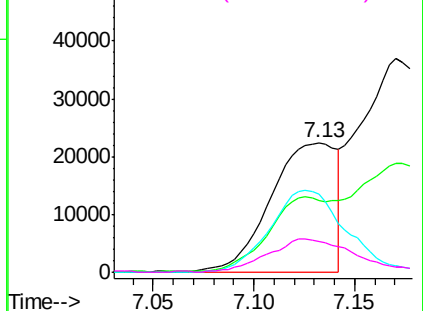
#35
Methacrylonitrile
Concen: 18.843 ug/l
RT: 7.13 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 50853
Ion Ratio Lower Upper
41 100
39 54.7 30.0 90.1
67 59.8 29.2 87.6
52 23.2 14.9 44.9

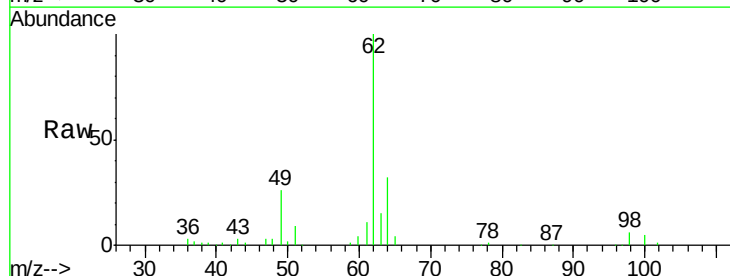


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

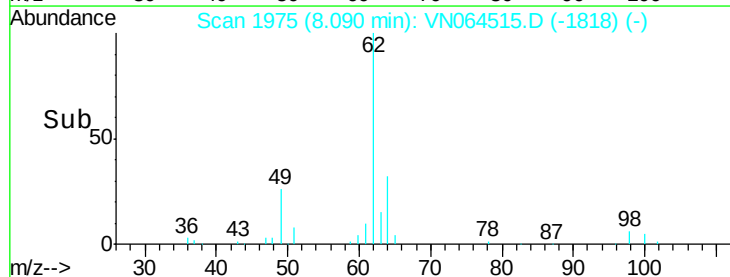
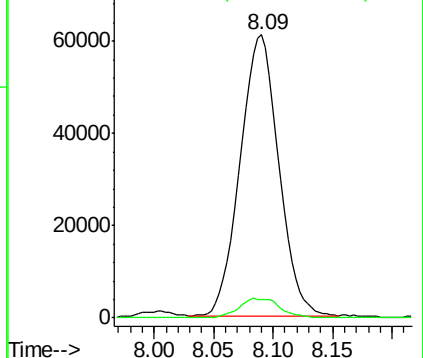


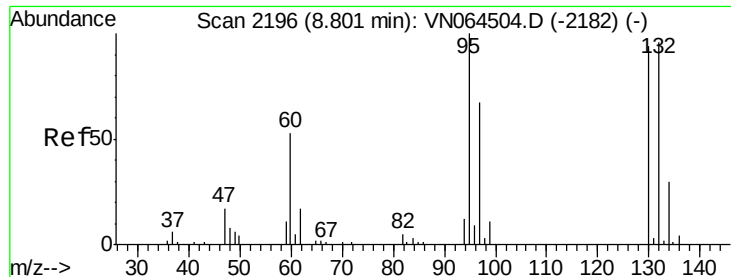
#36
1,2-Dichloroethane
Concen: 19.836 ug/l
RT: 8.09 min Scan# 1975
Delta R.T. 0.01 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion: 62 Resp: 137355
Ion Ratio Lower Upper
62 100
98 4.2 5.5 8.3#



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 19.825 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

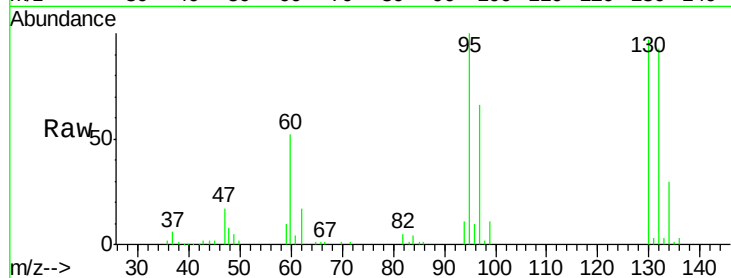
VSTDCCC020EC

Tot Ion:130 Resp: 84582

Ion Ratio Lower Upper

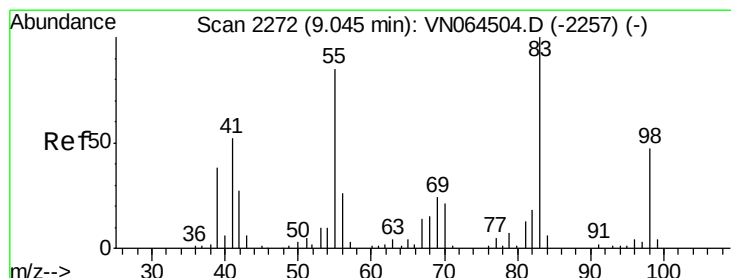
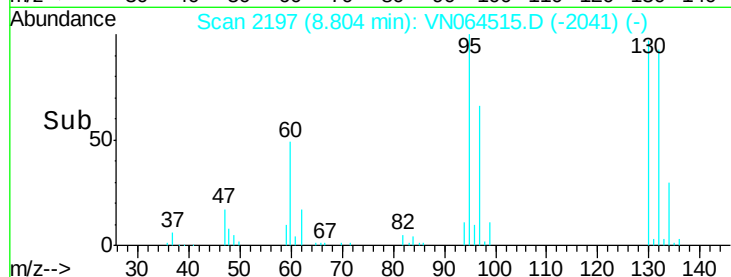
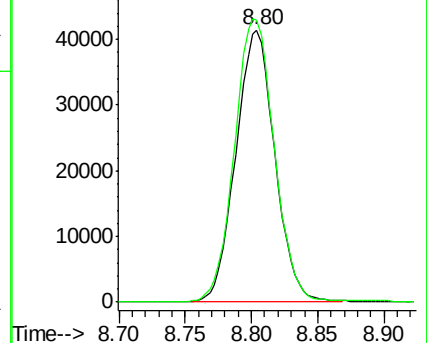
130 100

95 103.0 85.1 127.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 18.293 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

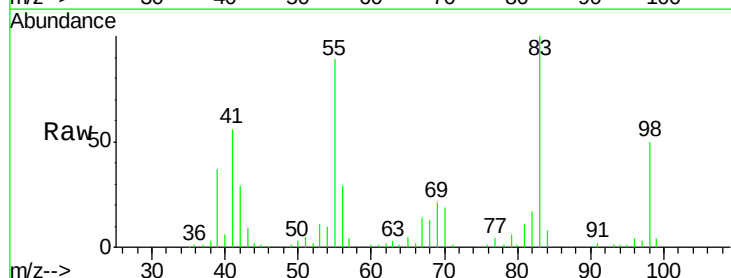
Tgt Ion: 83 Resp: 96424

Ion Ratio Lower Upper

83 100

55 87.0 42.0 126.1

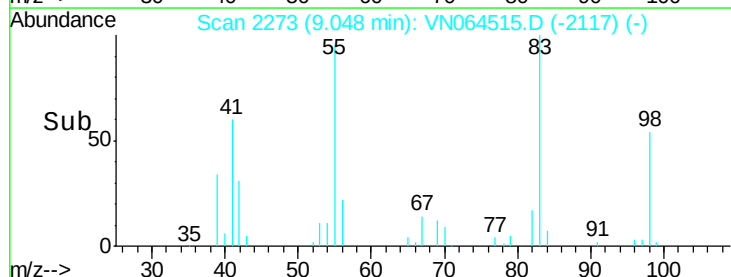
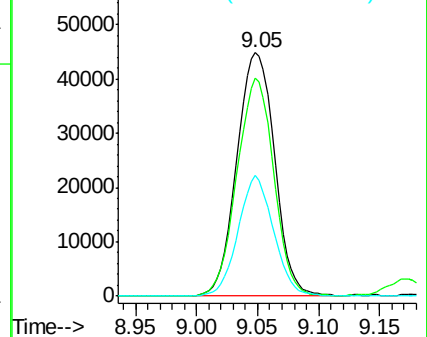
98 46.2 22.5 67.5

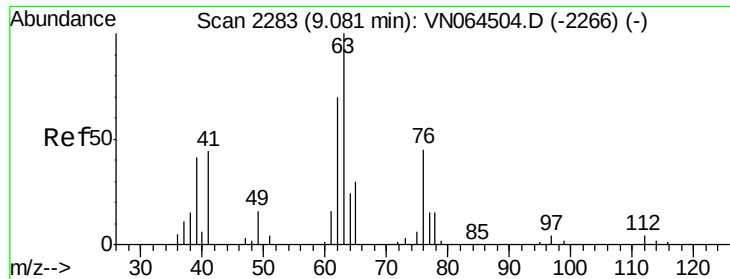


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 19.693 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

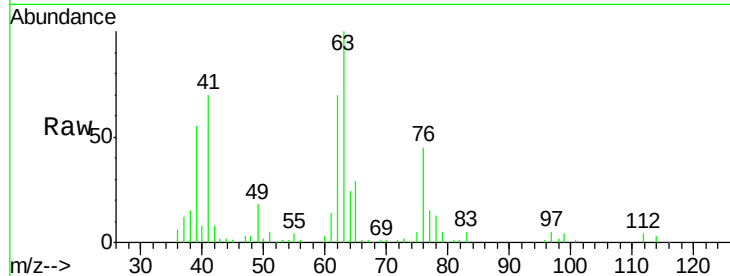
VSTDCCC020EC

Tot Ion: 63 Resp: 89288

Ion Ratio Lower Upper

63 100

65 29.4 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VN064515.D (-2128) (-)

Ion 65.00 (64.70 to 65.70): VN064515.D (-2128) (-)

50000

40000

30000

20000

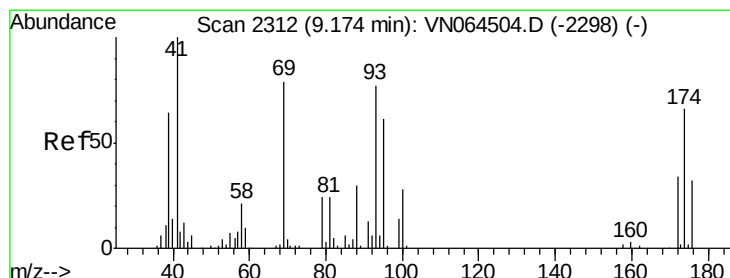
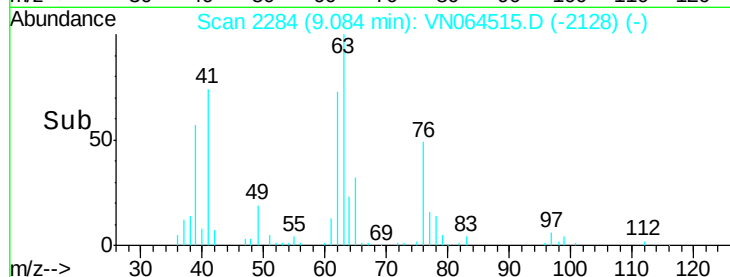
10000

0

9.08

9.05 9.10 9.15

Time-->



#40

Dibromomethane

Concen: 20.293 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

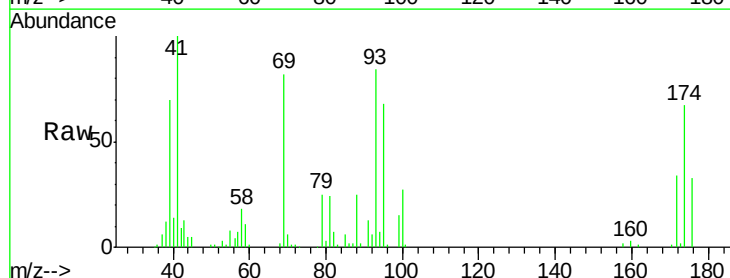
Tgt Ion: 93 Resp: 62070

Ion Ratio Lower Upper

93 100

95 84.1 0.0 164.6

174 83.0 0.0 165.6



Abundance Ion 93.00 (92.70 to 93.70): VN064515.D (-2157) (-)

Ion 95.00 (94.70 to 95.70): VN064515.D (-2157) (-)

Ion 174.00 (173.70 to 174.70): VN064515.D (-2157) (-)

40000

30000

20000

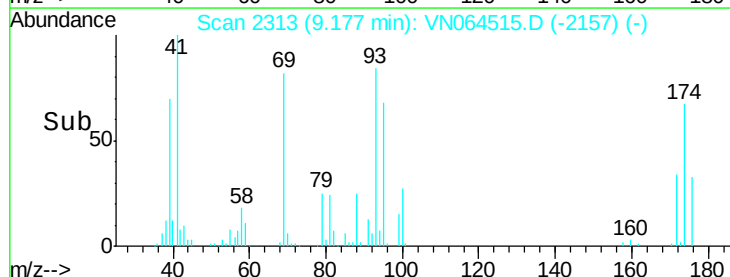
10000

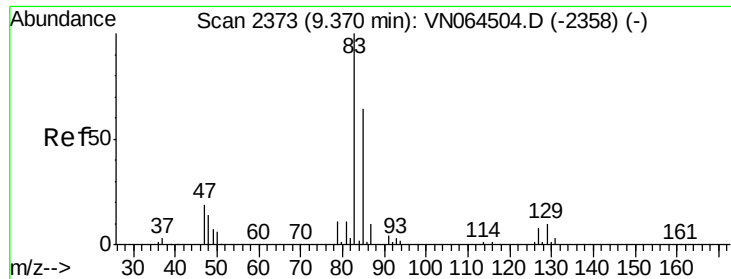
0

9.18

9.10 9.15 9.20 9.25

Time-->





#41

Bromodichloromethane

Concen: 19.557 ug/l

RT: 9.37 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

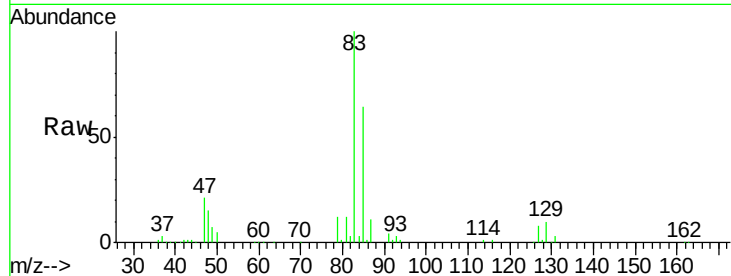
Tot Ion: 83 Resp: 129647

Ion Ratio Lower Upper

83 100

85 63.9 51.0 76.4

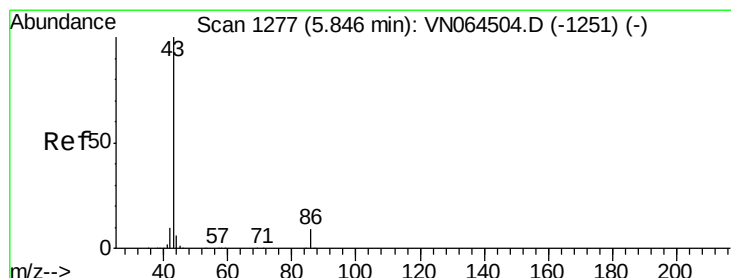
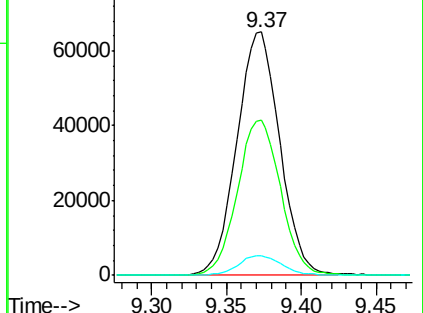
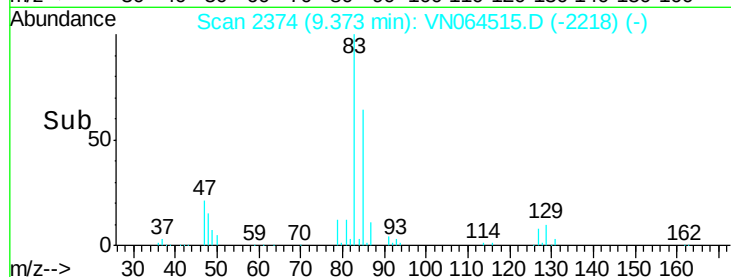
127 7.8 6.2 9.4



Abundance Ion 83.00 (82.70 to 83.70): VN064515.D (-1122) (-)

Ion 85.00 (84.70 to 85.70): VN064515.D (-1122) (-)

Ion 127.00 (126.70 to 127.70): VN064515.D (-1122) (-)



#42

Vinyl Acetate

Concen: 95.461 ug/l

RT: 5.85 min Scan# 1279

Delta R.T. 0.01 min

Lab File: VN064515.D

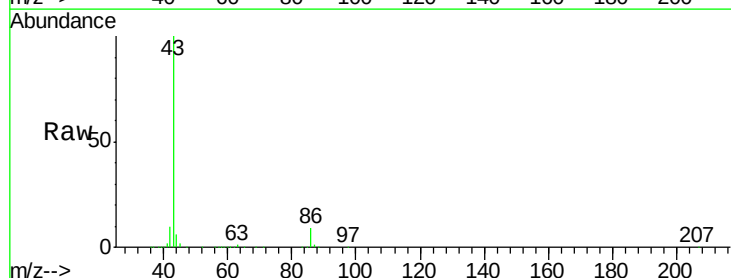
Acq: 9 Nov 2020 18:46

Tgt Ion: 43 Resp: 1102473

Ion Ratio Lower Upper

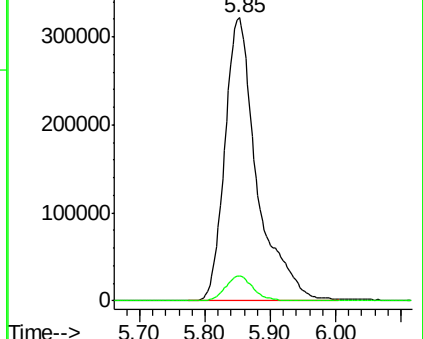
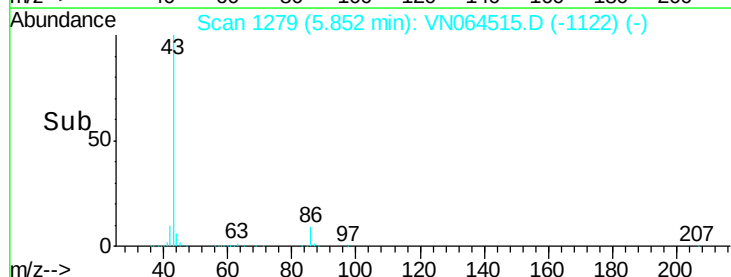
43 100

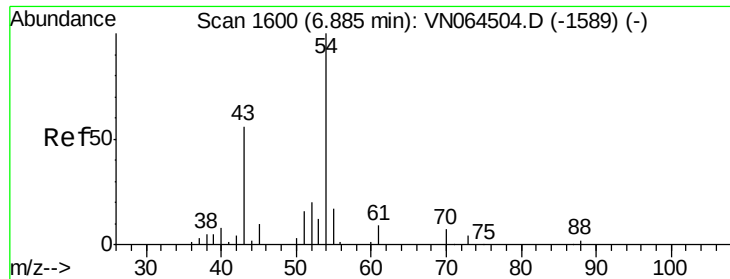
86 7.6 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VN064515.D (-1122) (-)

Ion 86.00 (85.70 to 86.70): VN064515.D (-1122) (-)





#43

Ethyl Acetate

Concen: 18.496 ug/l

RT: 6.89 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

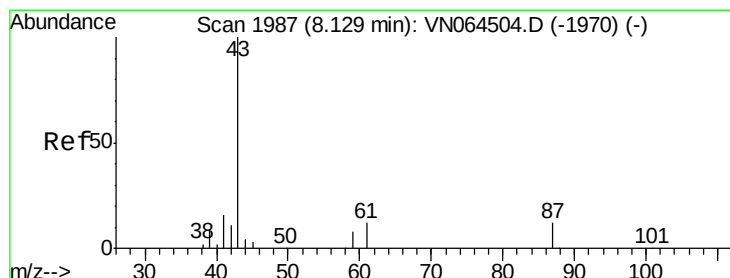
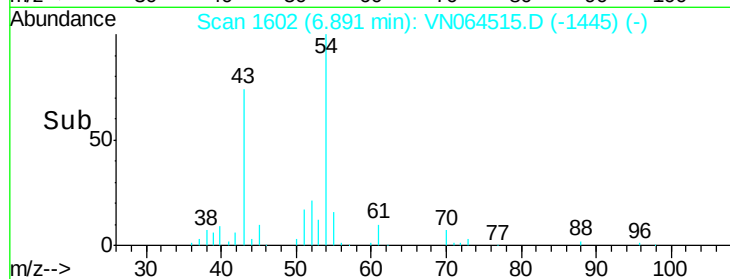
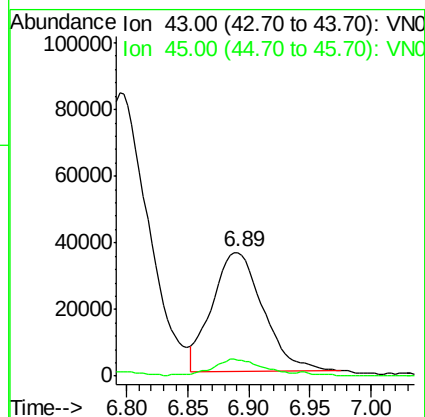
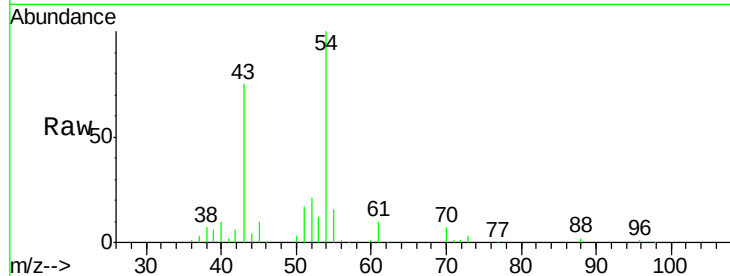
VSTDCCC020EC

Tot Ion: 43 Resp: 103824

Ion Ratio Lower Upper

43 100

45 11.5 10.9 16.3



#44

Isopropyl Acetate

Concen: 18.965 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN064515.D

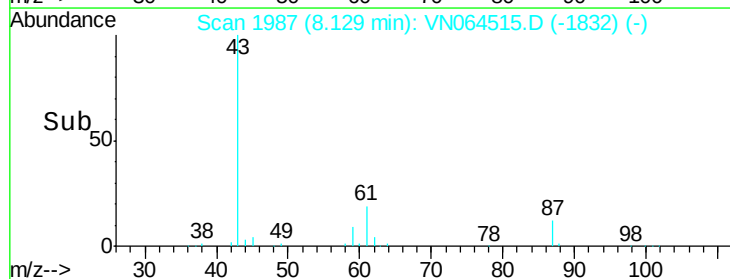
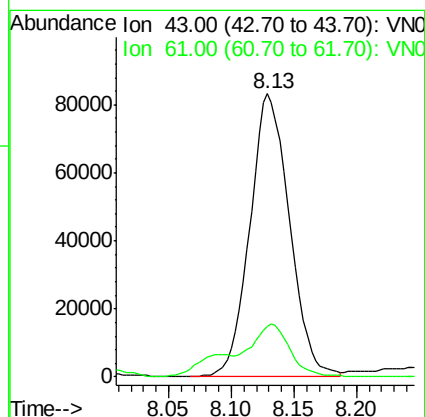
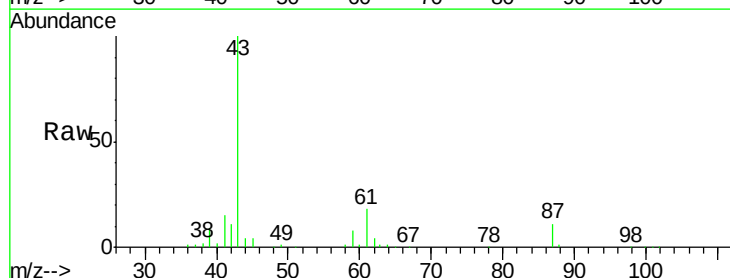
Acq: 9 Nov 2020 18:46

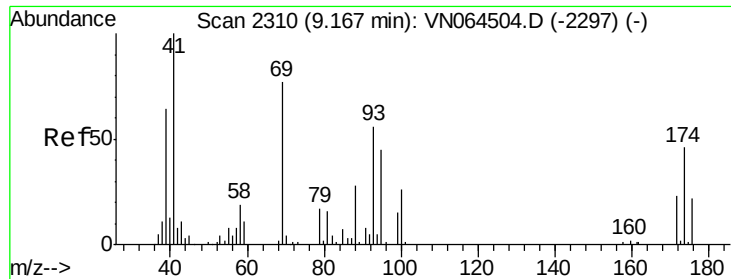
Tgt Ion: 43 Resp: 183768

Ion Ratio Lower Upper

43 100

61 18.1 13.0 19.4



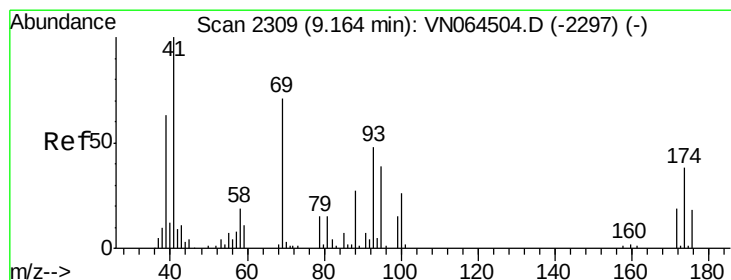
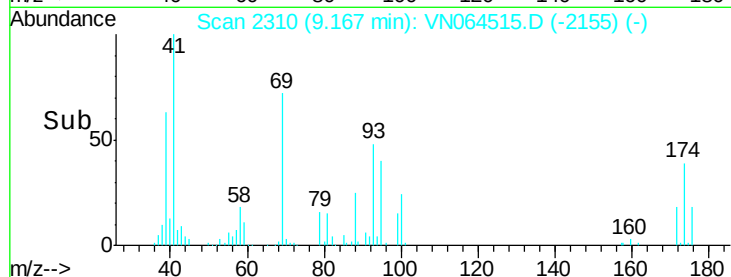
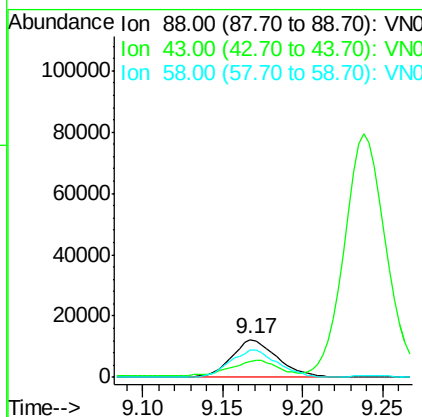
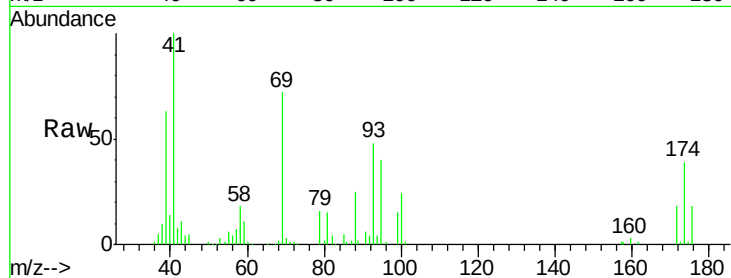


#45
 1,4-Dioxane
 Concen: 352.692 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 23957

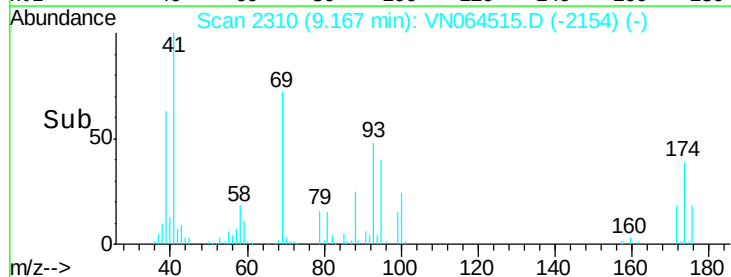
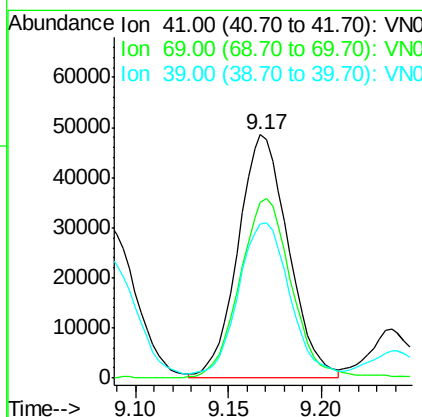
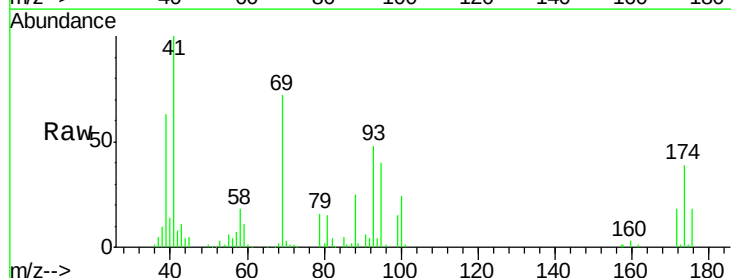
Ion	Ratio	Lower	Upper
88	100		
43	42.5	30.6	46.0
58	74.4	57.9	86.9

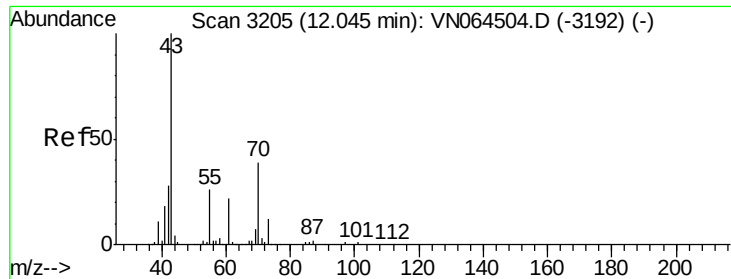


#46
 Methyl methacrylate
 Concen: 19.037 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

Tgt Ion: 41 Resp: 91737

Ion	Ratio	Lower	Upper
41	100		
69	72.6	35.4	106.2
39	62.4	31.6	94.7





#47

n-amyl Acetate

Concen: 17.645 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

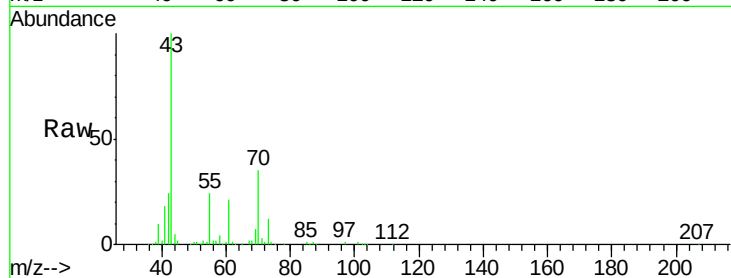
VSTDCCC020EC

Tot Ion: 43 Resp: 147908

Ion Ratio Lower Upper

43 100

55 24.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.05

100000

80000

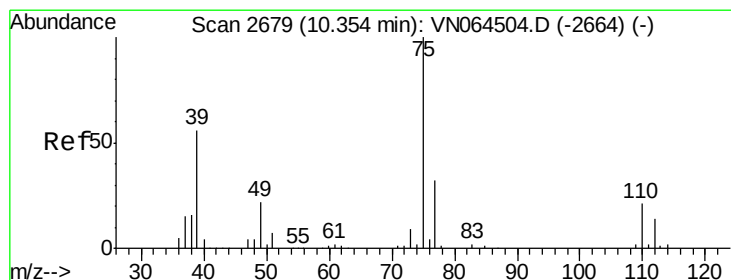
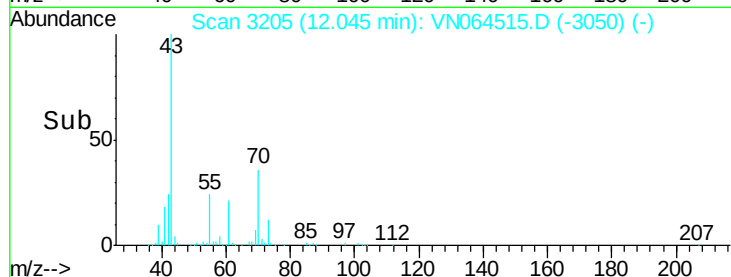
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 19.149 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. -0.00 min

Lab File: VN064515.D

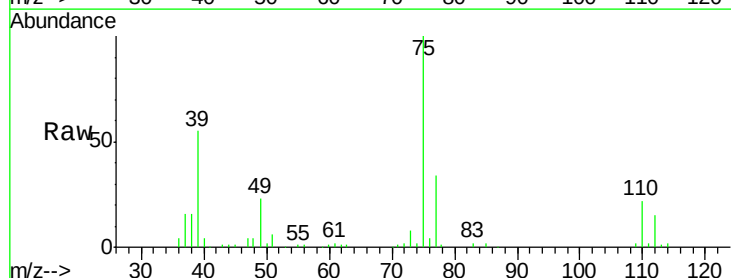
Acq: 9 Nov 2020 18:46

Tgt Ion: 75 Resp: 134527

Ion Ratio Lower Upper

75 100

77 33.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.35

80000

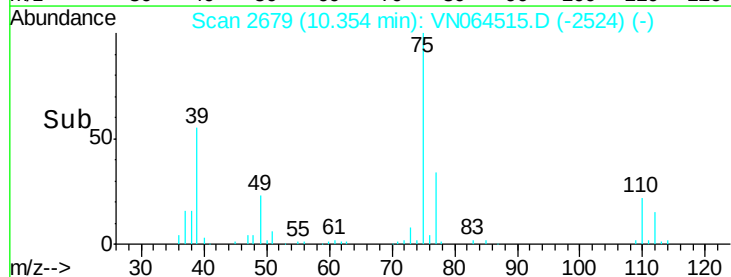
60000

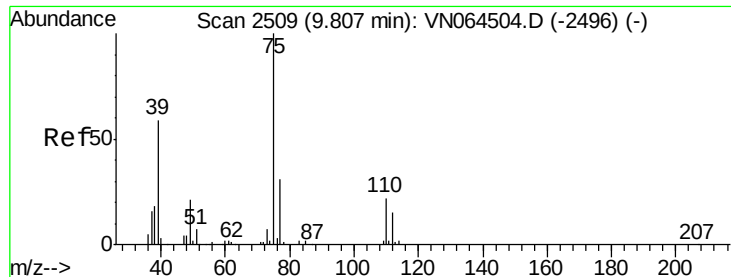
40000

20000

0

Time-->



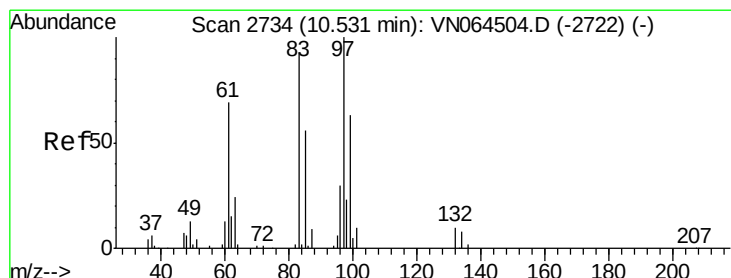
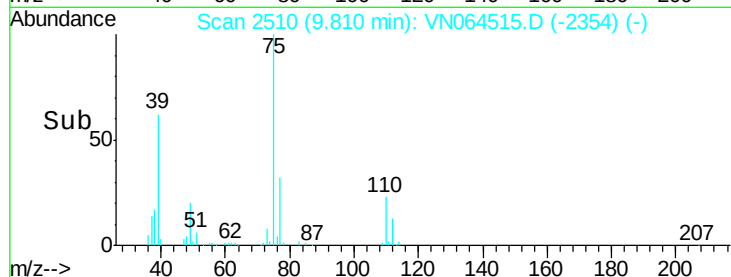
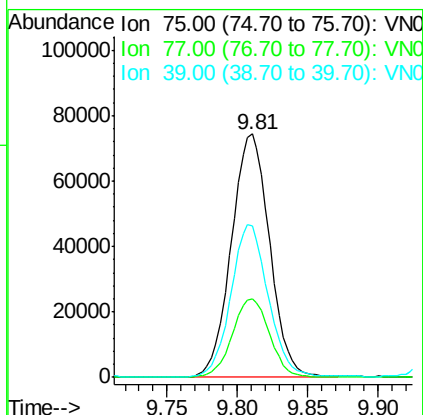
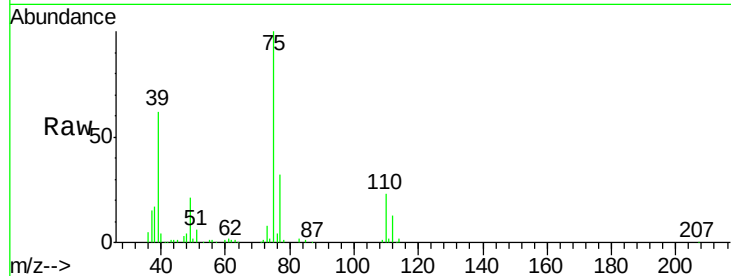


#49

cis-1,3-Dichloropropene
Concen: 19.196 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

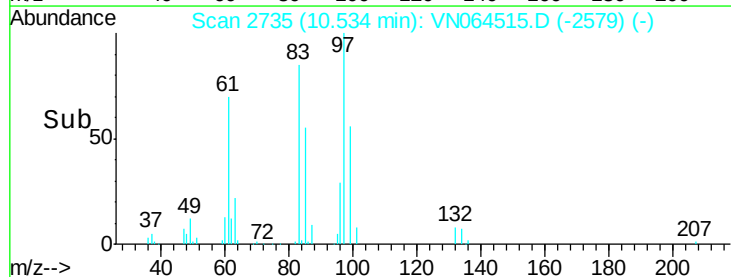
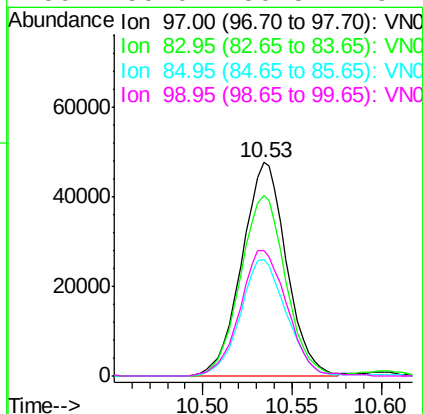
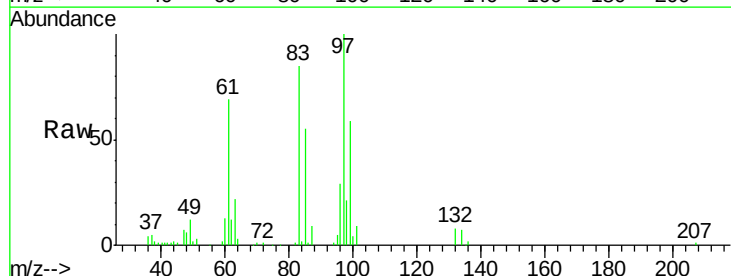
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.8	37.2
39	61.8	47.4	71.0

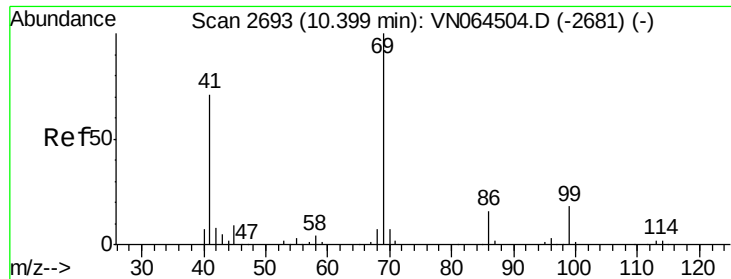


#50

1,1,2-Trichloroethane
Concen: 19.947 ug/l
RT: 10.53 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.8	74.2	111.4
85	54.8	44.8	67.2
99	59.0	50.5	75.7

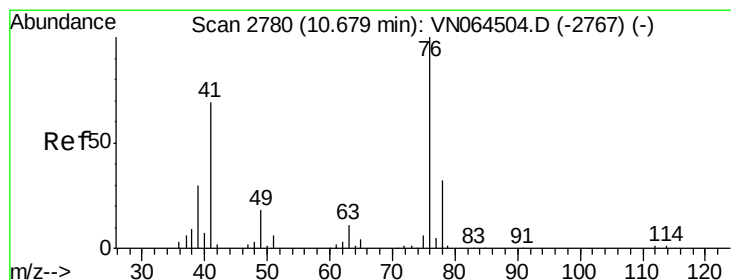
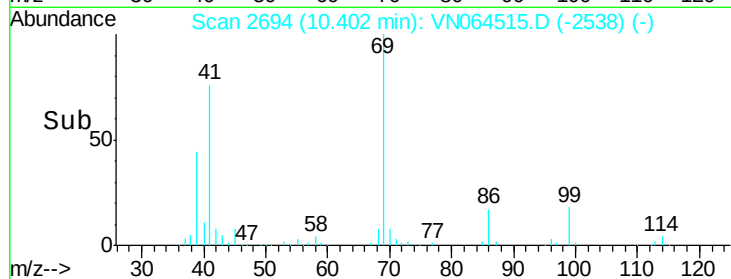
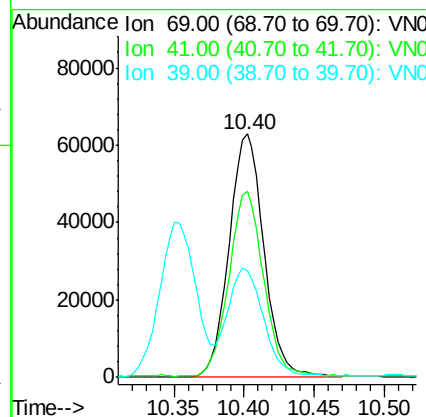
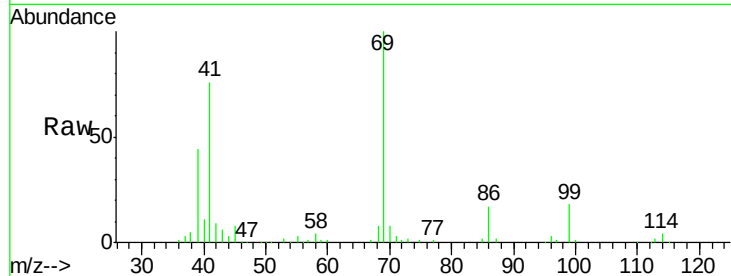




#51
Ethyl methacrylate
Concen: 18.117 ug/l
RT: 10.40 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

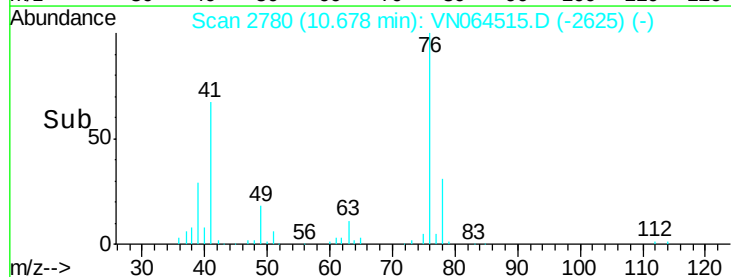
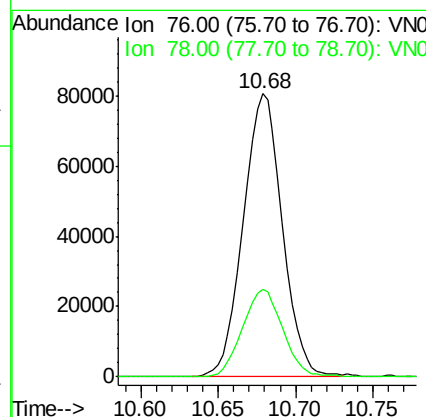
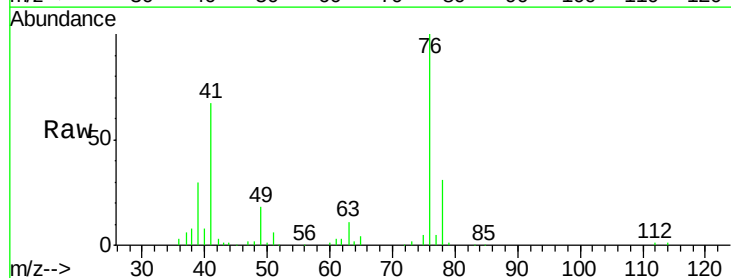
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

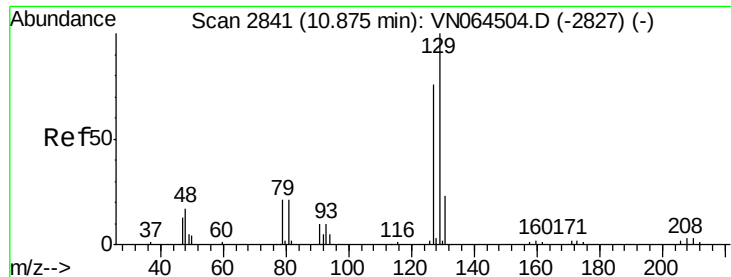
Tot Ion: 69 Resp: 108870
Ion Ratio Lower Upper
69 100
41 75.5 35.4 106.1
39 43.1 24.1 72.2



#52
1,3-Dichloropropane
Concen: 19.657 ug/l
RT: 10.68 min Scan# 2780
Delta R.T. -0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion: 76 Resp: 141613
Ion Ratio Lower Upper
76 100
78 31.9 0.0 65.2

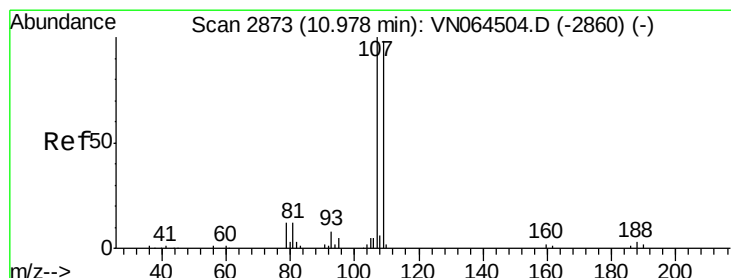
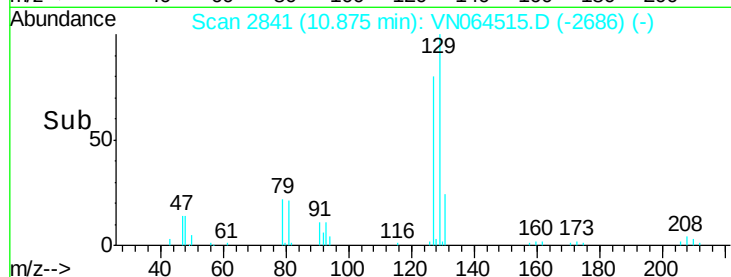
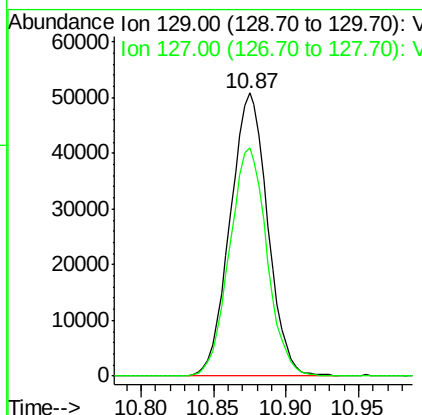
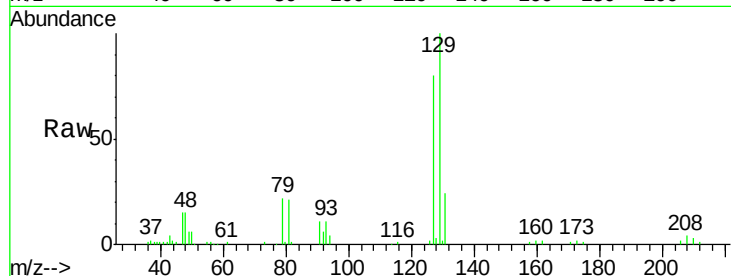




#53
Dibromochloromethane
Concen: 19.040 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

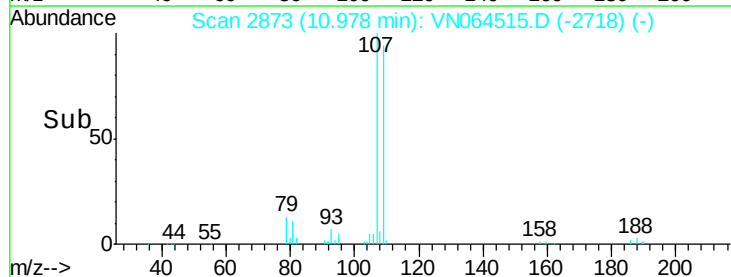
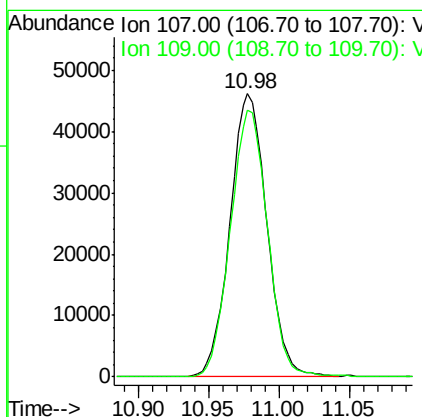
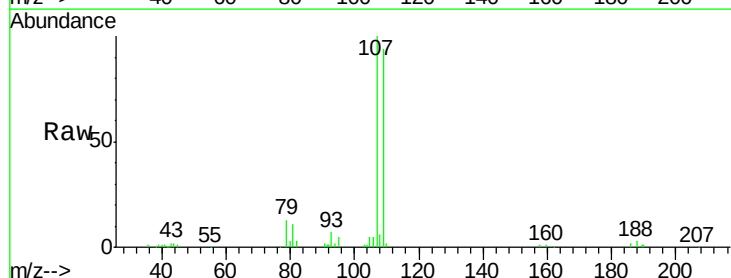
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

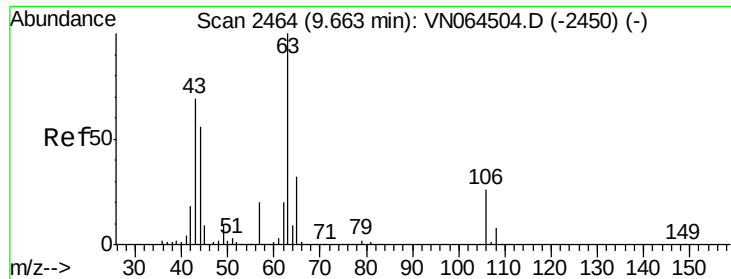
Tot Ion:129 Resp: 91443
Ion Ratio Lower Upper
129 100
127 80.3 39.1 117.2



#54
1,2-Dibromoethane
Concen: 19.707 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion:107 Resp: 84528
Ion Ratio Lower Upper
107 100
109 94.7 77.2 115.8

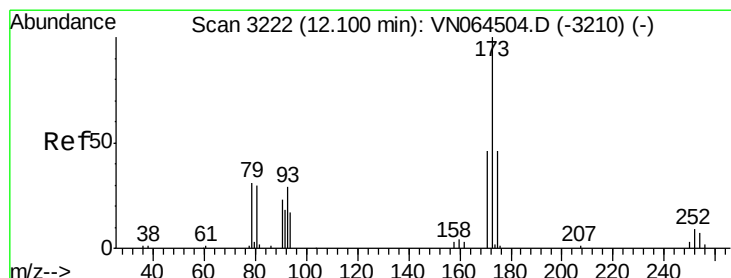
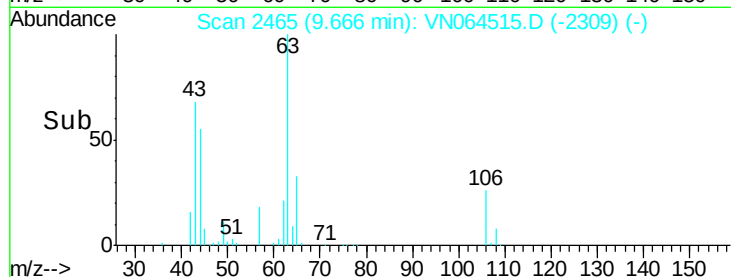
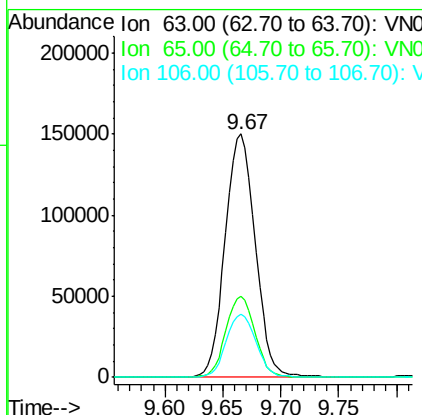
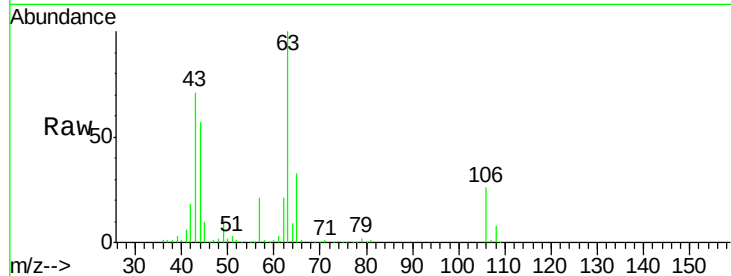




#55
 2-Chloroethyl vinyl ether
 Concen: 86.039 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

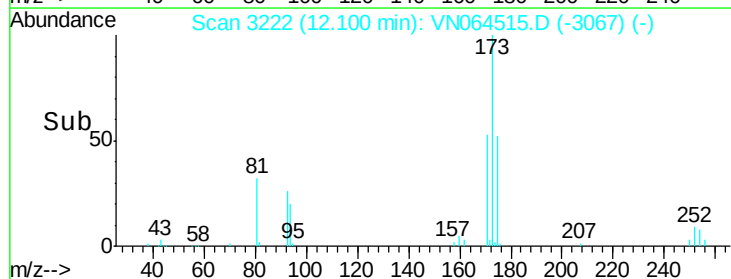
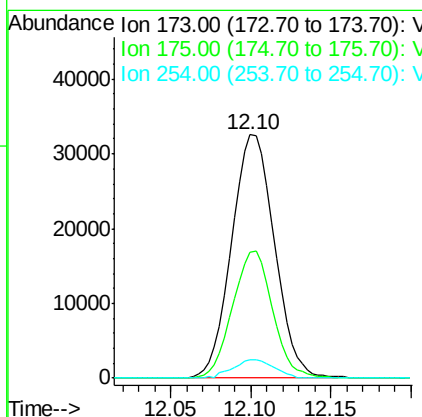
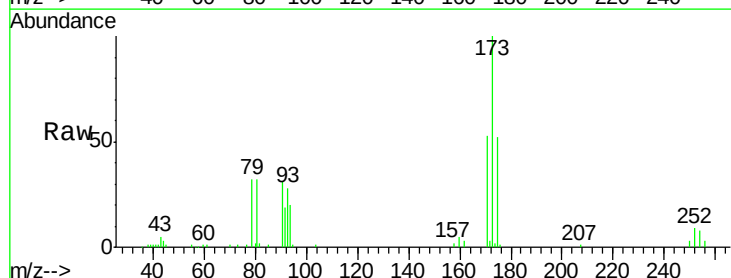
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

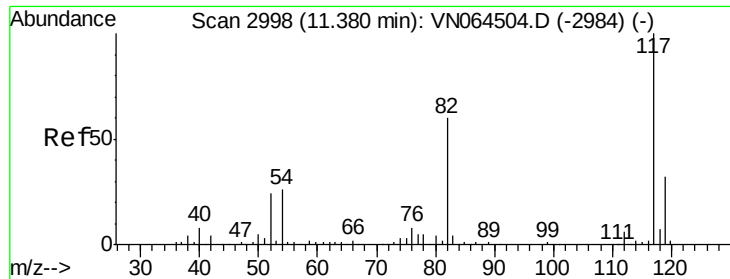
Tot Ion: 63 Resp: 270571
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.7 38.5
 106 25.6 19.9 29.9



#56
 Bromoform
 Concen: 18.919 ug/l
 RT: 12.10 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

Tgt Ion: 173 Resp: 59624
 Ion Ratio Lower Upper
 173 100
 175 48.7 37.1 55.7
 254 7.2 5.4 8.2

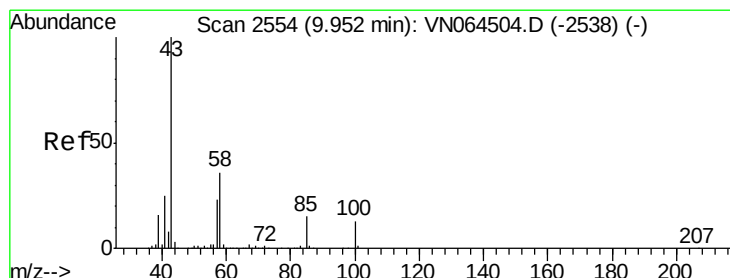
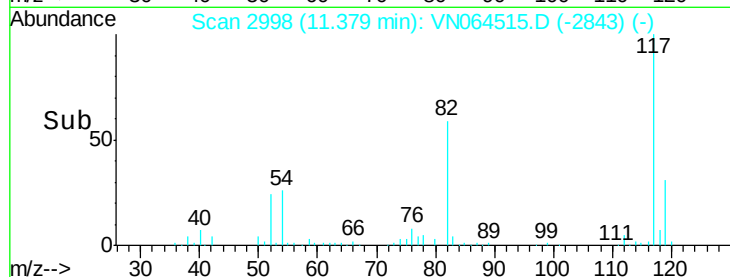
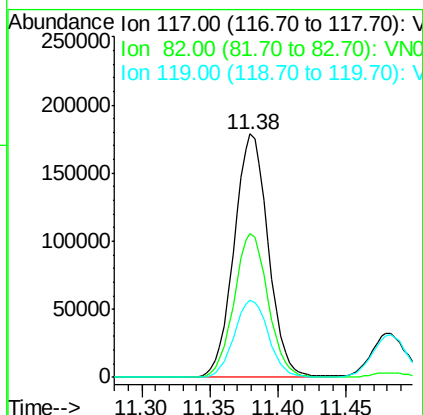
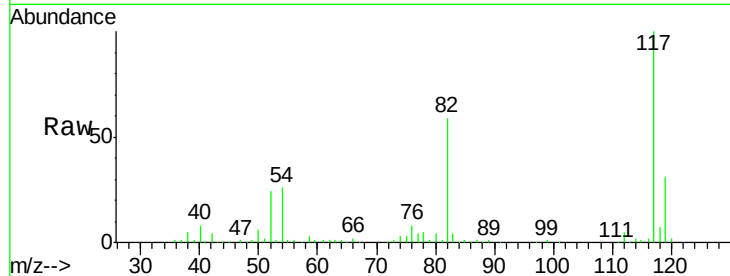




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

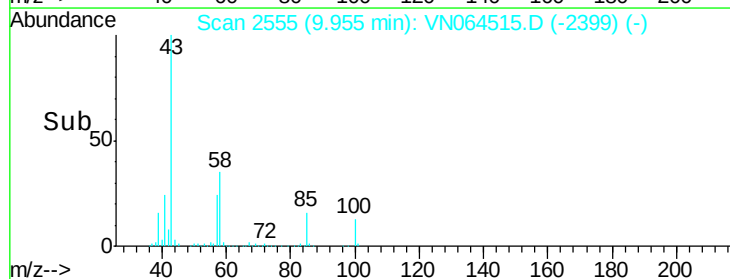
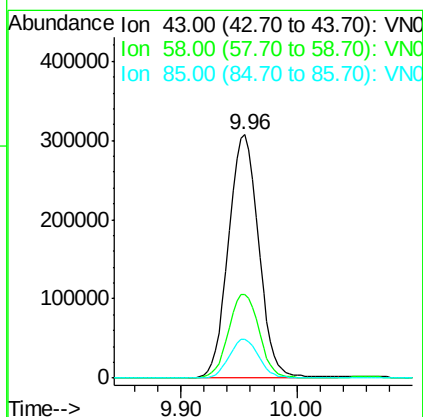
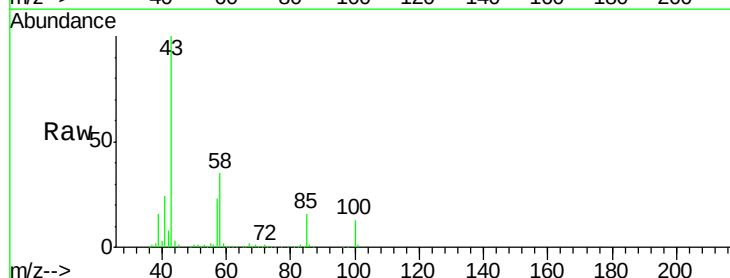
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

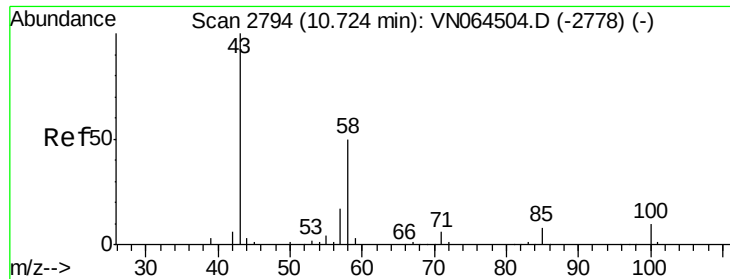
Tot Ion:117 Resp: 310984
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.8
119 31.8 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 96.762 ug/l
RT: 9.96 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion: 43 Resp: 552598
Ion Ratio Lower Upper
43 100
58 35.0 28.8 43.2
85 15.8 12.3 18.5

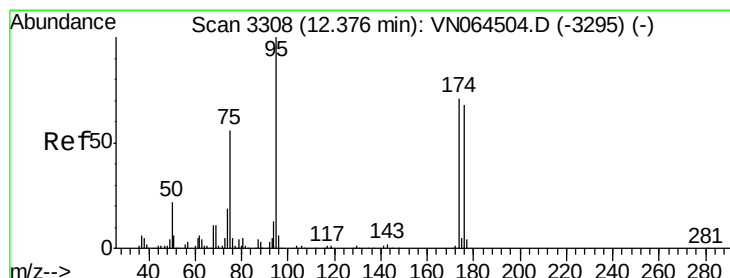
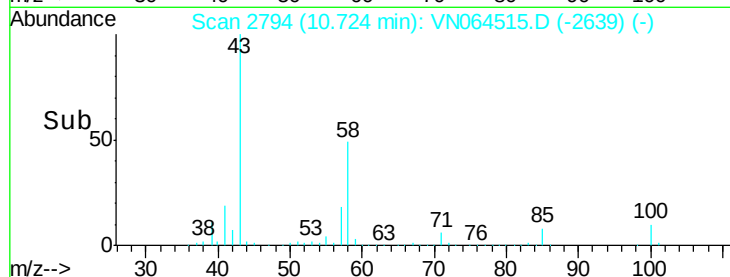
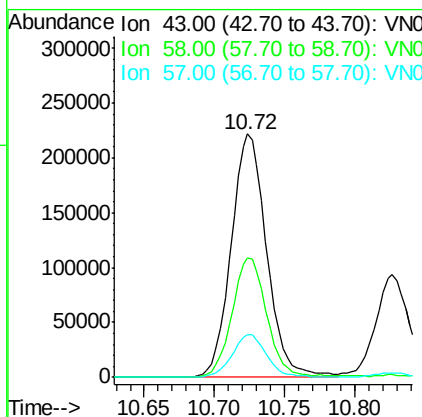
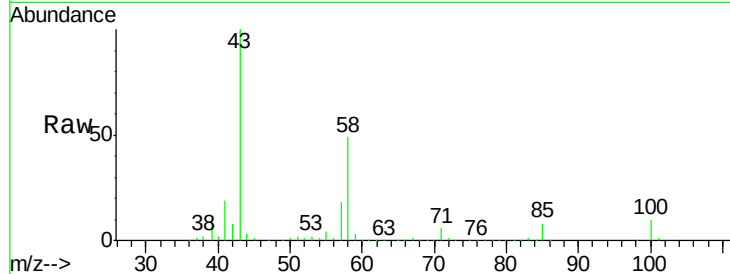




#59
2-Hexanone
Concen: 89.946 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

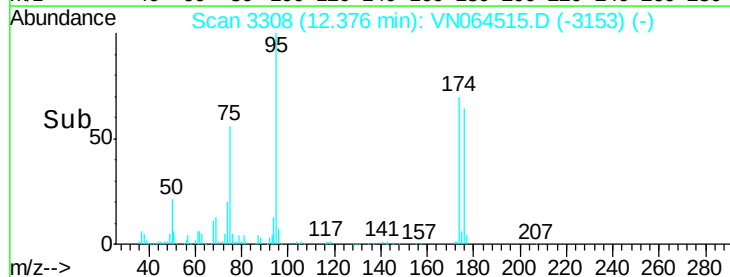
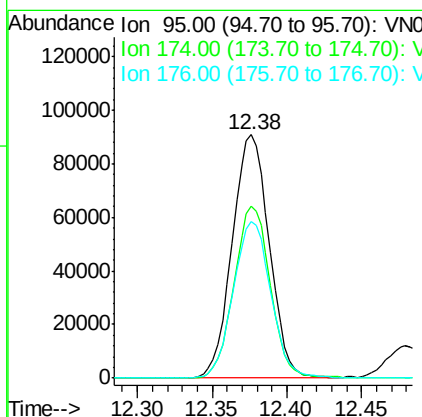
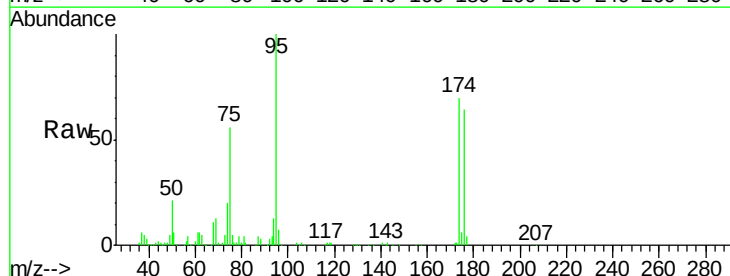
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

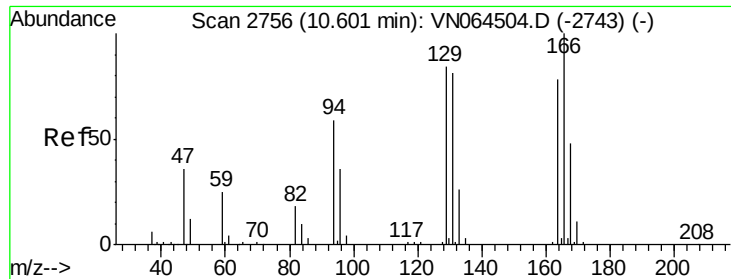
Tot Ion: 43 Resp: 386892
Ion Ratio Lower Upper
43 100
58 48.2 38.2 57.4
57 17.2 13.8 20.8



#60
4-Bromofluorobenzene
Concen: 29.434 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion: 95 Resp: 156801
Ion Ratio Lower Upper
95 100
174 68.9 56.4 84.6
176 65.3 53.3 79.9

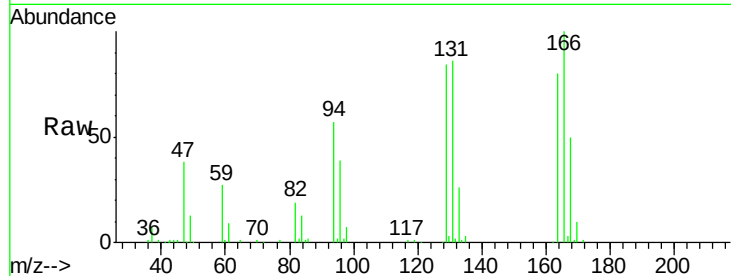




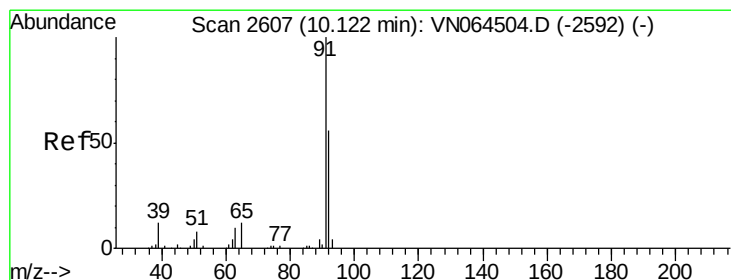
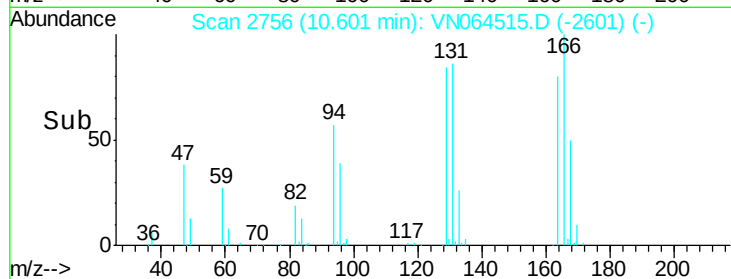
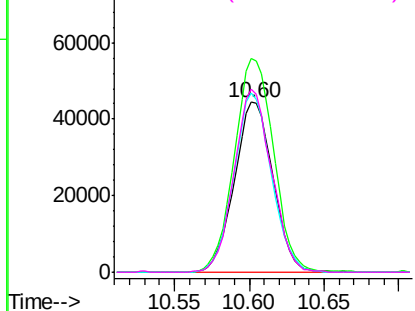
#61
Tetrachloroethene
Concen: 20.563 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:164 Resp: 79932
Ion Ratio Lower Upper
164 100
166 125.6 103.2 154.8
129 105.1 86.4 129.6
131 107.7 84.0 126.0

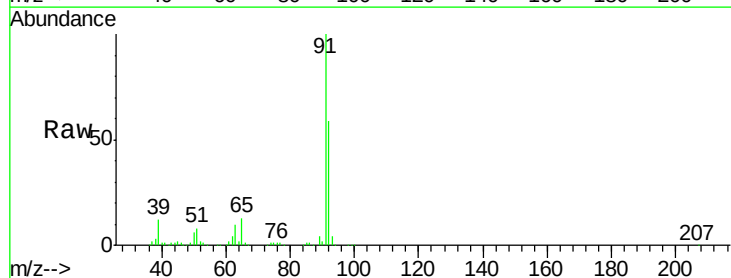


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

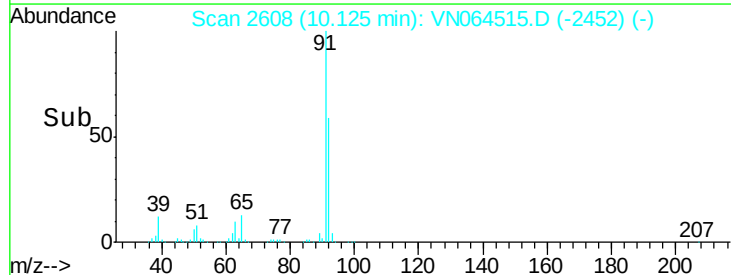
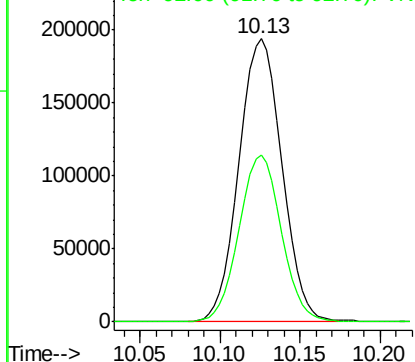


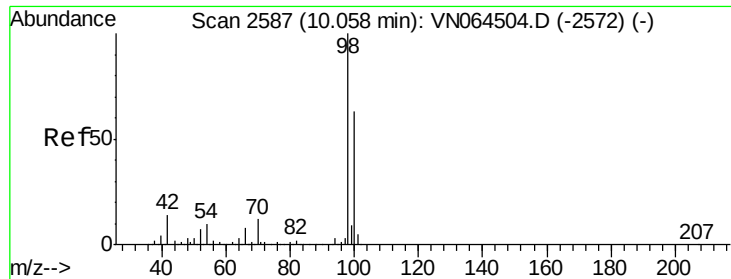
#62
Toluene
Concen: 19.512 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion: 91 Resp: 356339
Ion Ratio Lower Upper
91 100
92 57.9 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.942 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

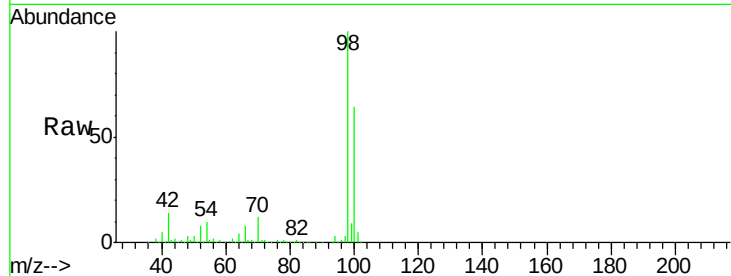
VSTDCCC020EC

Tot Ion: 98 Resp: 434268

Ion Ratio Lower Upper

98 100

100 64.5 49.4 74.2



Abundance Ion 98.00 (97.70 to 98.70): VN064515.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064515.D (-2572) (-)

10.06

250000

200000

150000

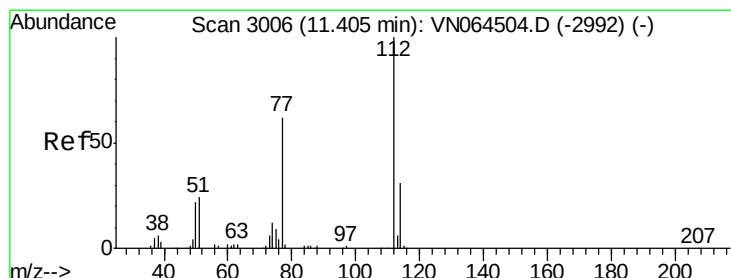
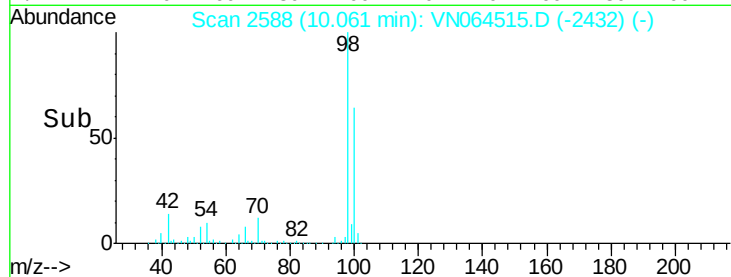
100000

50000

0

10.00 10.10

Time-->



#64

Chlorobenzene

Concen: 19.703 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064515.D

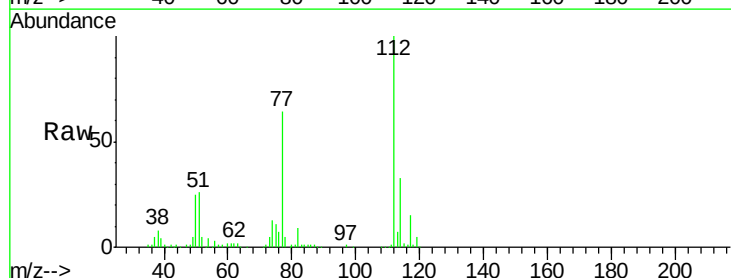
Acq: 9 Nov 2020 18:46

Tgt Ion: 112 Resp: 213896

Ion Ratio Lower Upper

112 100

114 32.9 25.0 37.6



Abundance Ion 112.00 (111.70 to 112.70): VN064515.D (-2851) (-)

Ion 114.00 (113.70 to 114.70): VN064515.D (-2851) (-)

11.41

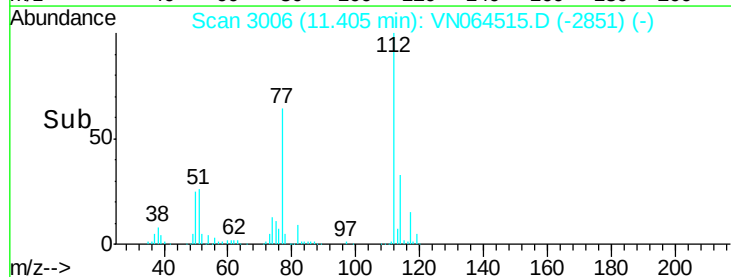
100000

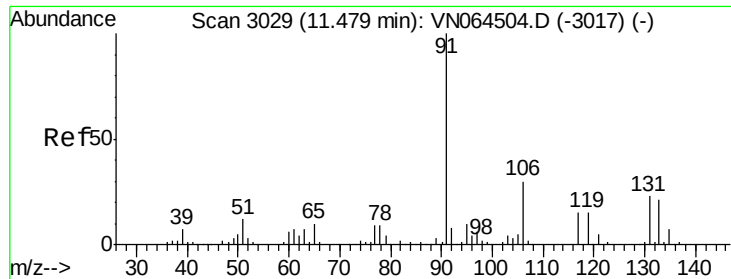
50000

0

11.40 11.50

Time-->

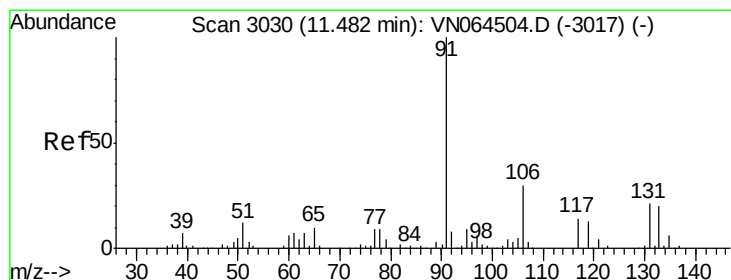
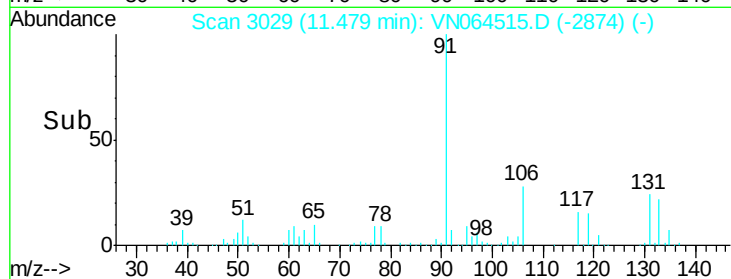
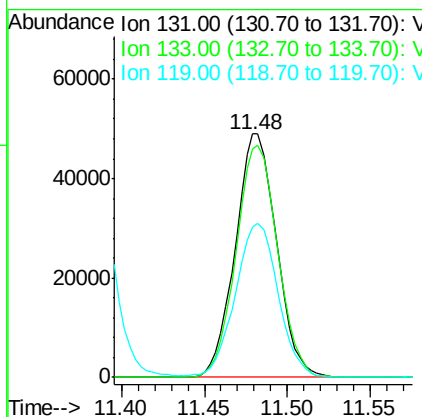
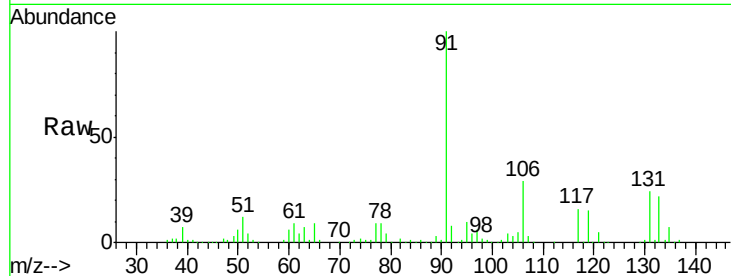




#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.027 ug/l
 RT: 11.48 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

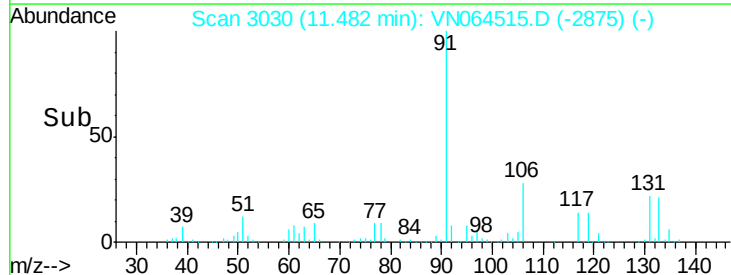
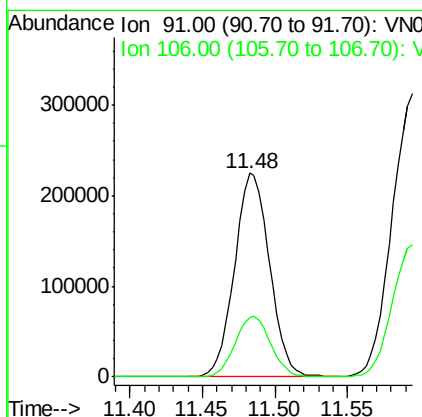
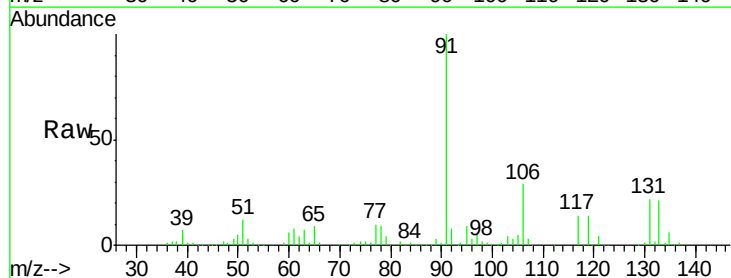
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

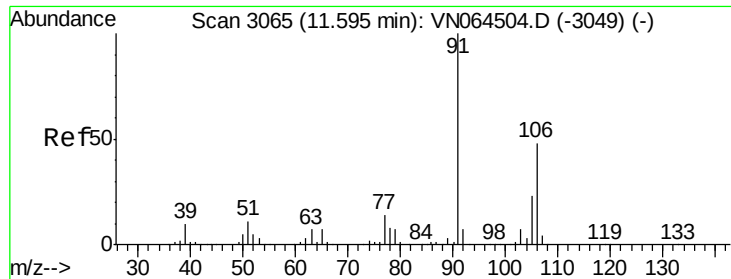
Tot Ion:131 Resp: 84992
 Ion Ratio Lower Upper
 131 100
 133 95.6 0.0 191.2
 119 65.6 0.0 131.6



#66
 Ethyl Benzene
 Concen: 19.206 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

Tgt Ion: 91 Resp: 378545
 Ion Ratio Lower Upper
 91 100
 106 29.4 23.9 35.9

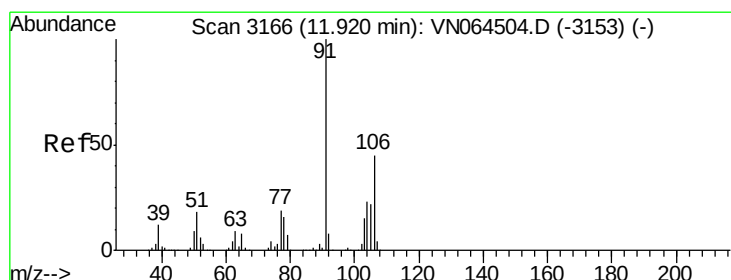
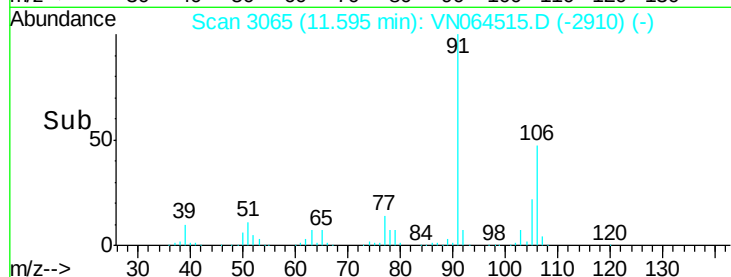
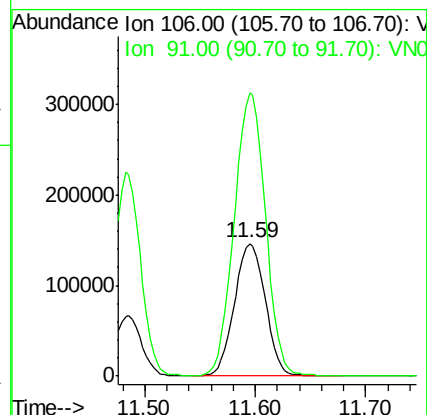
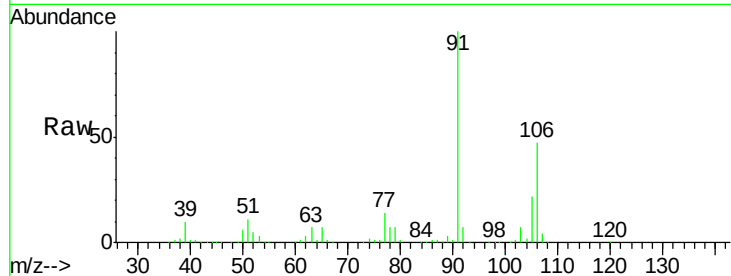




#67
m/p-Xylenes
Concen: 39.211 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

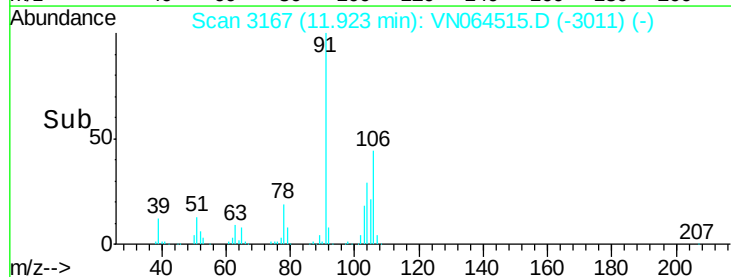
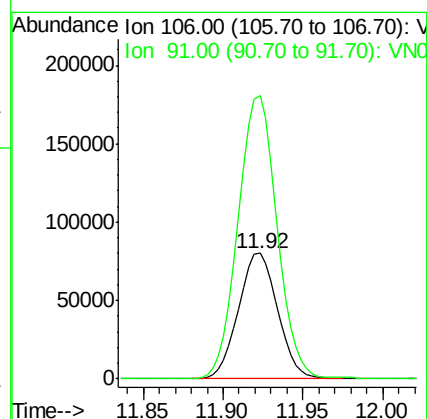
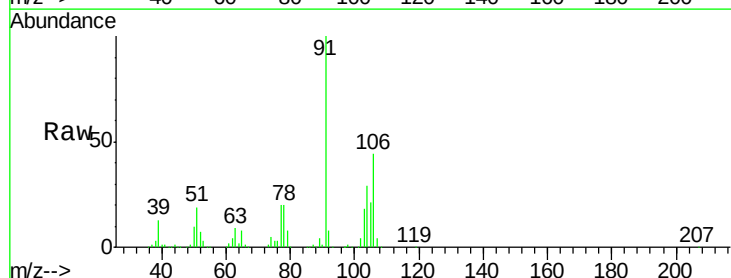
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

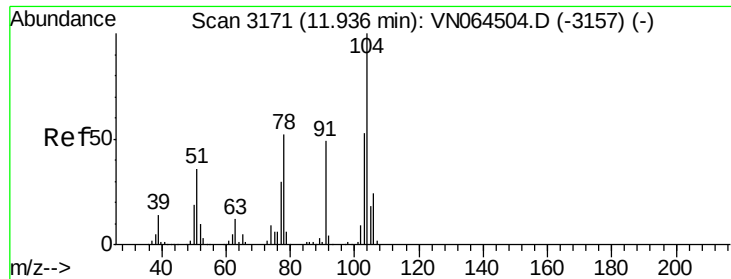
Tot Ion:106 Resp: 285257
Ion Ratio Lower Upper
106 100
91 214.8 168.8 253.2



#68
o-Xylene
Concen: 19.457 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion:106 Resp: 133951
Ion Ratio Lower Upper
106 100
91 225.0 109.7 329.2

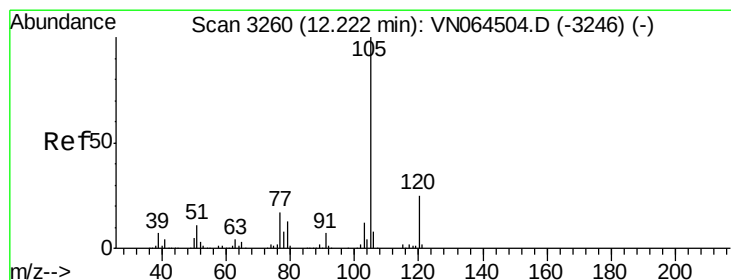
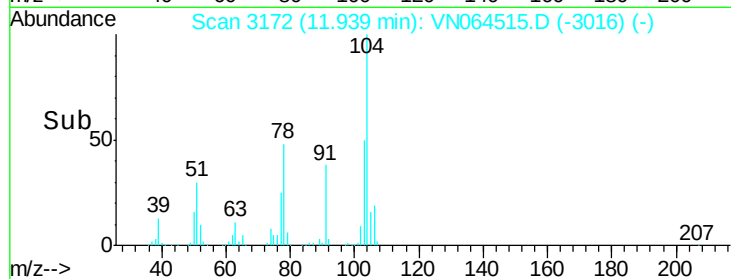
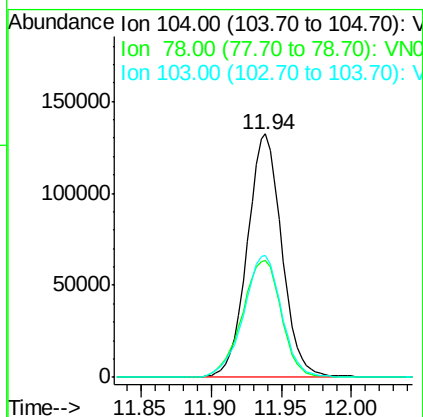
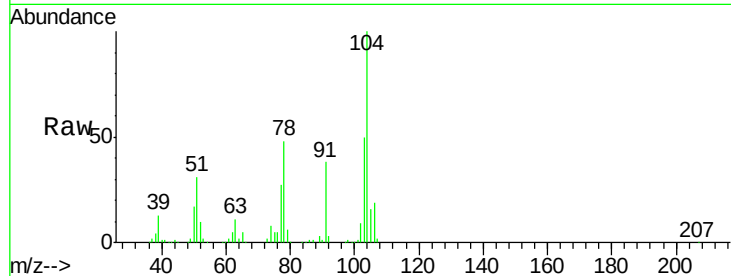




#69
Stvrene
Concen: 19.306 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

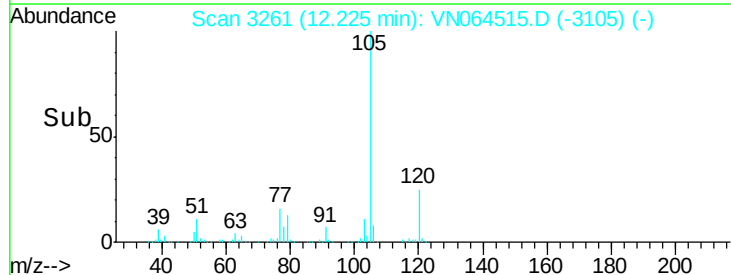
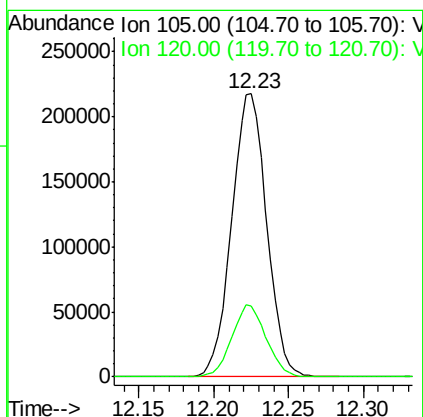
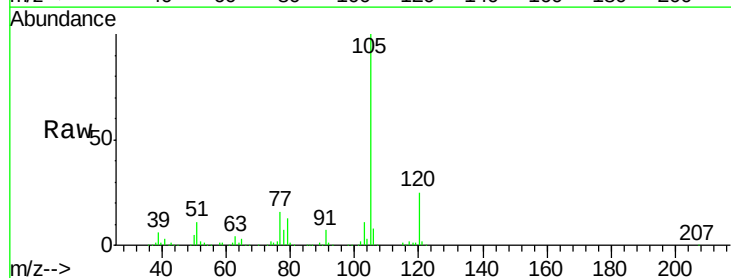
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

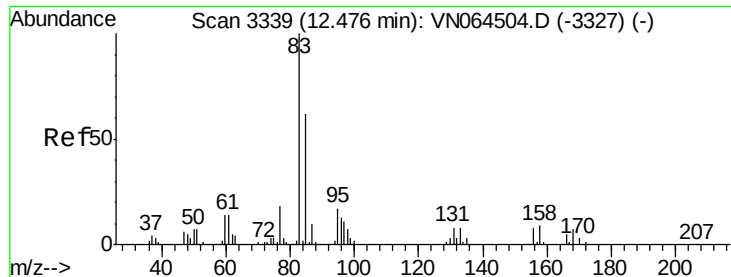
Tot Ion:104 Resp: 227617
Ion Ratio Lower Upper
104 100
78 54.6 44.4 66.6
103 55.1 44.6 67.0



#70
Isopropylbenzene
Concen: 19.676 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion:105 Resp: 354557
Ion Ratio Lower Upper
105 100
120 24.8 17.9 33.3





#71

1,1,2,2-Tetrachloroethane

Concen: 19.483 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

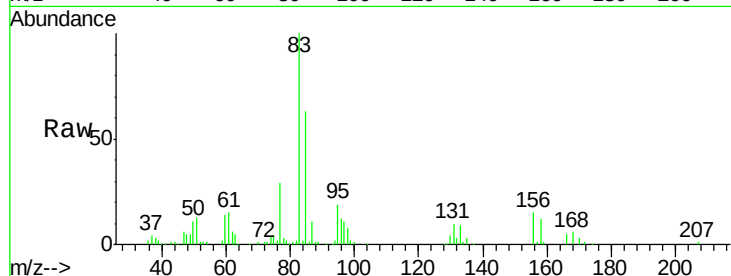
Tot Ion: 83 Resp: 112431

Ion Ratio Lower Upper

83 100

131 10.4 4.6 13.8

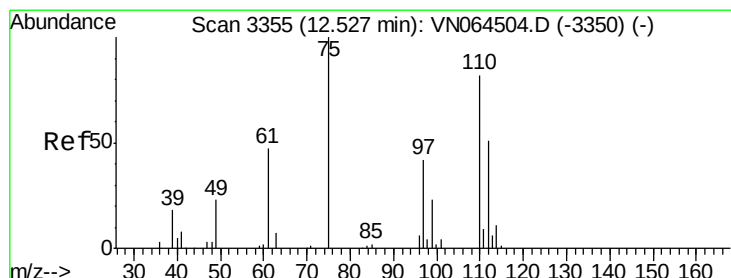
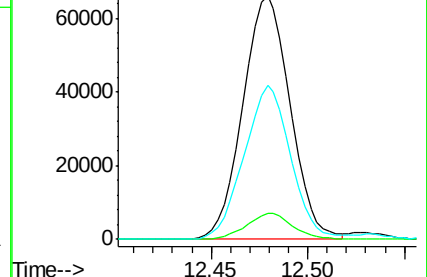
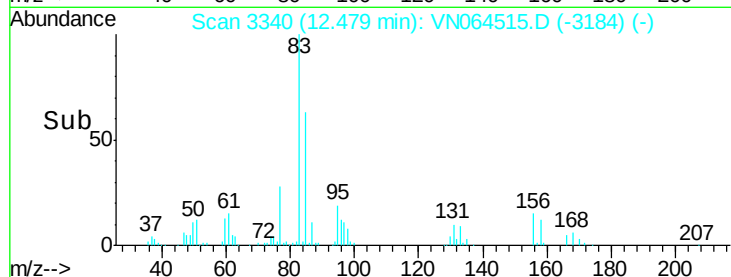
85 62.4 31.4 94.0



Abundance Ion 83.00 (82.70 to 83.70): VN064515.D (-3184) (-)

Ion 131.00 (130.70 to 131.70): VN064515.D (-3184) (-)

Ion 85.00 (84.70 to 85.70): VN064515.D (-3184) (-)



#72

1,2,3-Trichloropropane

Concen: 26.714 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064515.D

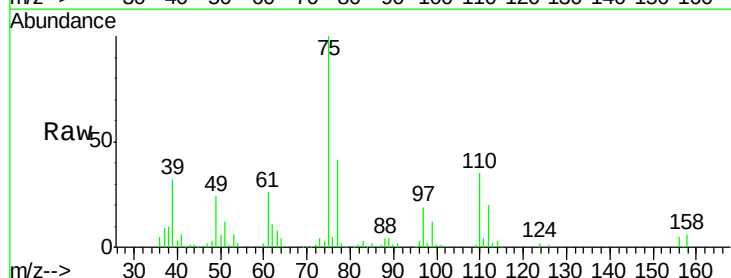
Acq: 9 Nov 2020 18:46

Tgt Ion: 75 Resp: 153743

Ion Ratio Lower Upper

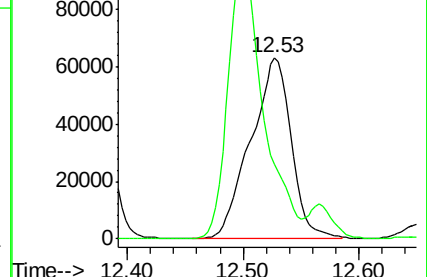
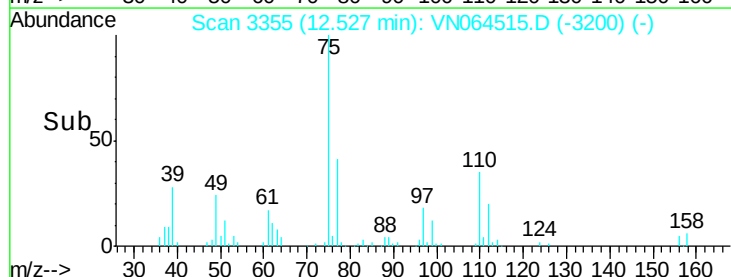
75 100

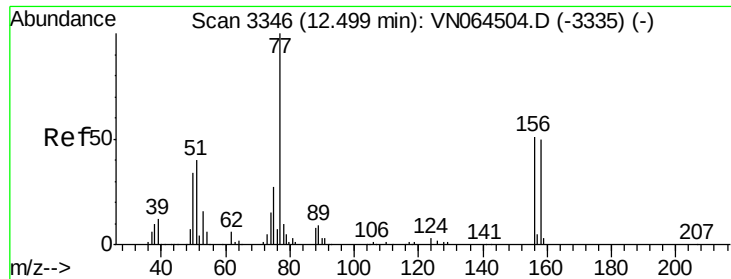
77 132.8 0.0 379.4



Abundance Ion 75.00 (74.70 to 75.70): VN064515.D (-3200) (-)

Ion 77.00 (76.70 to 77.70): VN064515.D (-3200) (-)





#73

Bromobenzene

Concen: 19.225 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

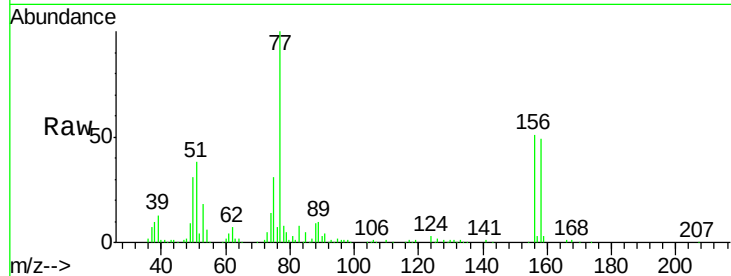
Tot Ion:156 Resp: 85696

Ion Ratio Lower Upper

156 100

77 238.3 0.0 480.2

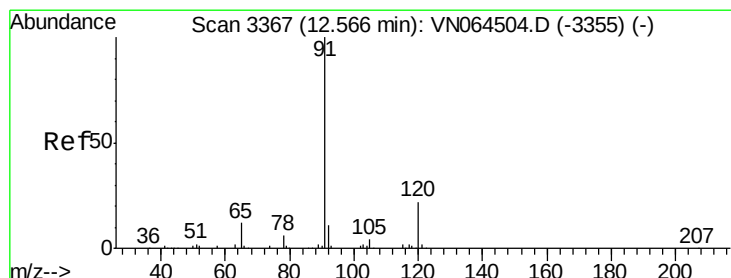
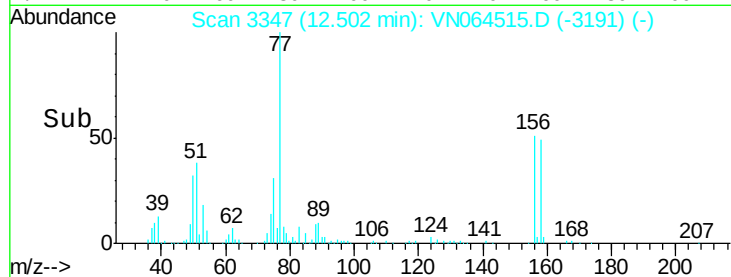
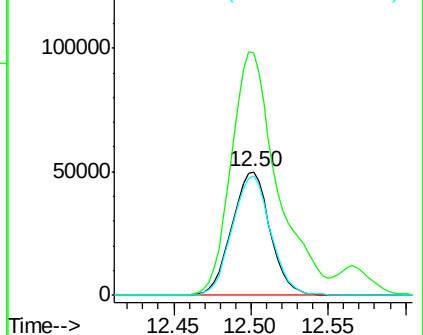
158 97.4 0.0 194.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.566 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064515.D

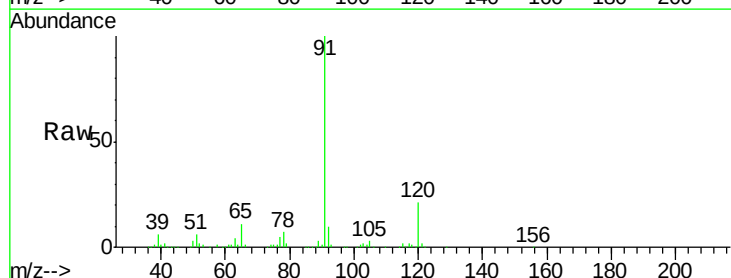
Acq: 9 Nov 2020 18:46

Tgt Ion: 91 Resp: 414718

Ion Ratio Lower Upper

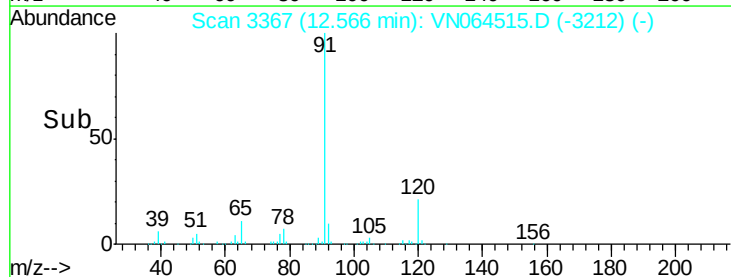
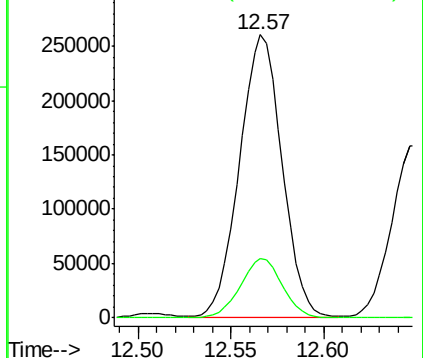
91 100

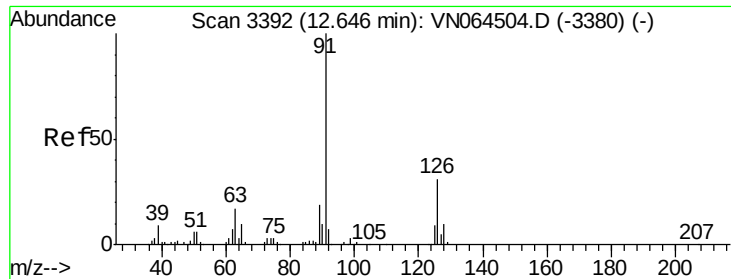
120 20.7 0.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.792 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

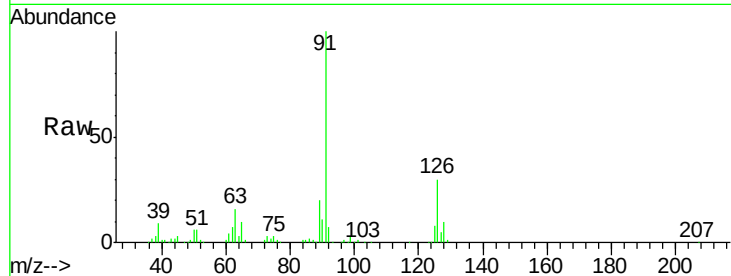
VSTDCCC020EC

Tot Ion: 91 Resp: 263764

Ion Ratio Lower Upper

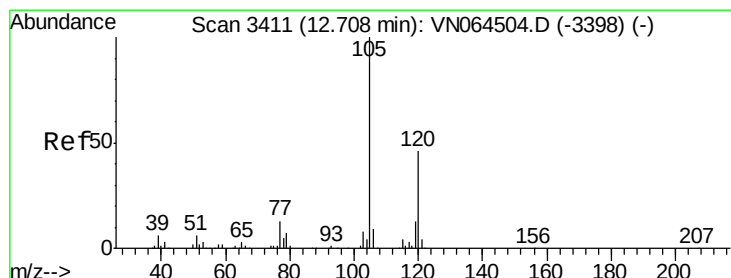
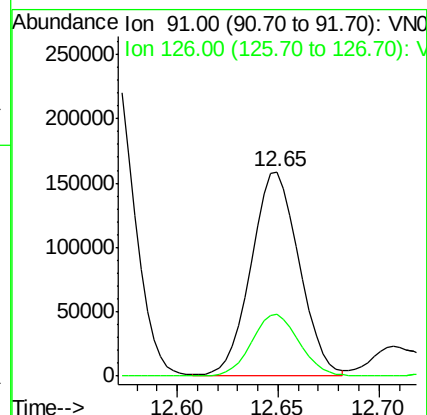
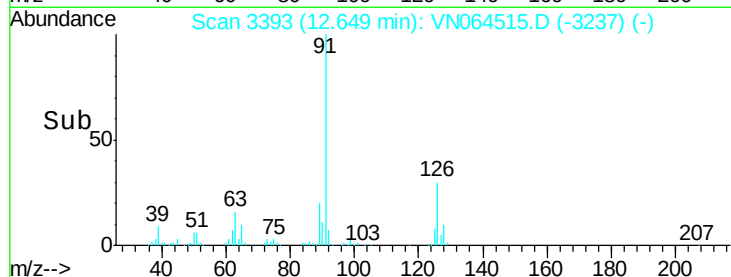
91 100

126 30.2 0.0 61.8



Abundance Ion 91.00 (90.70 to 91.70): VN064515.D (-3237) (-)

Ion 126.00 (125.70 to 126.70): VN064515.D (-3237) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.601 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064515.D

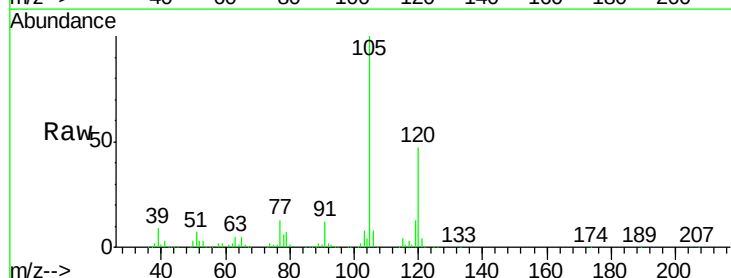
Acq: 9 Nov 2020 18:46

Tgt Ion: 105 Resp: 298163

Ion Ratio Lower Upper

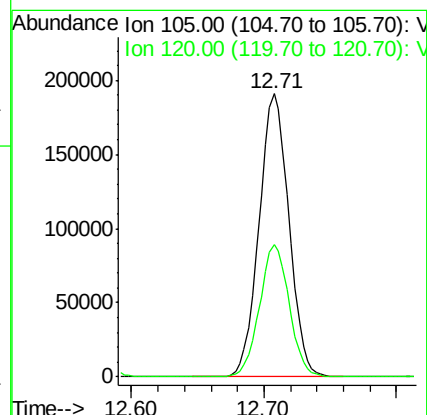
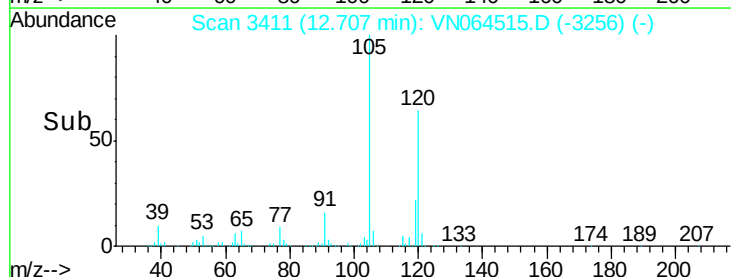
105 100

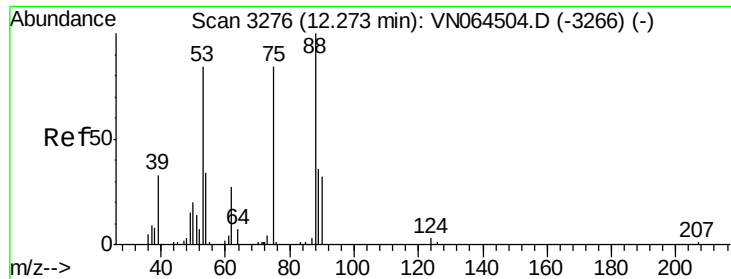
120 46.5 0.0 90.4



Abundance Ion 105.00 (104.70 to 105.70): VN064515.D (-3256) (-)

Ion 120.00 (119.70 to 120.70): VN064515.D (-3256) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.350 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

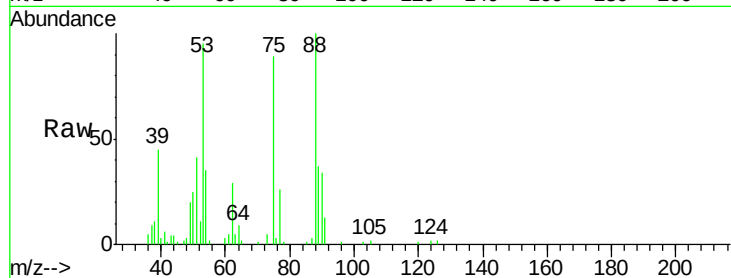
Tot Ion: 75 Resp: 36406

Ion Ratio Lower Upper

75 100

53 106.2 50.3 150.9

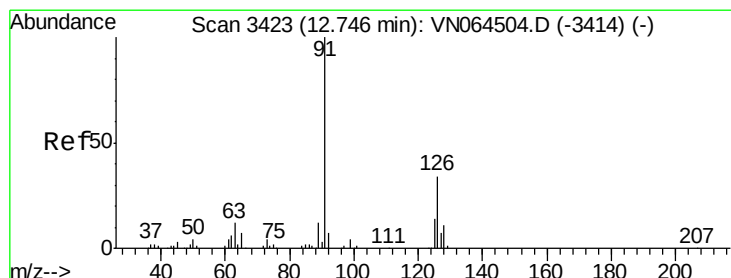
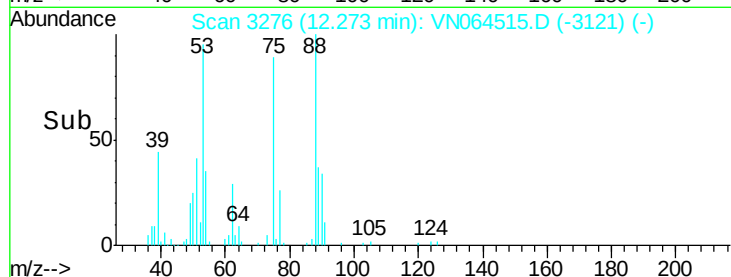
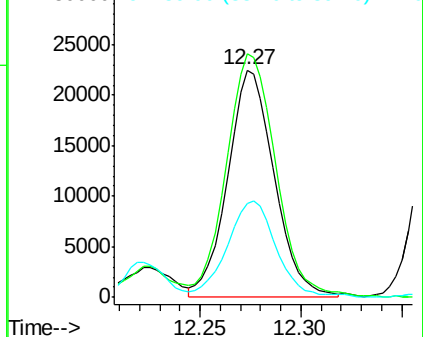
89 40.9 23.3 69.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.052 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064515.D

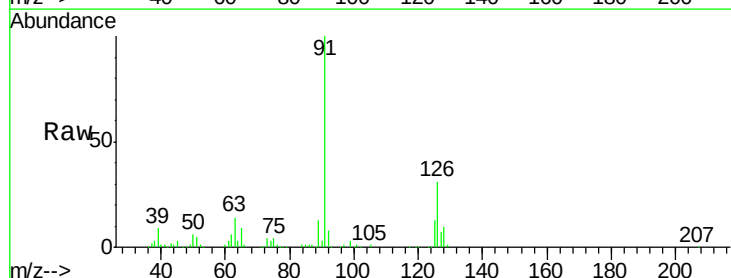
Acq: 9 Nov 2020 18:46

Tgt Ion: 91 Resp: 266790

Ion Ratio Lower Upper

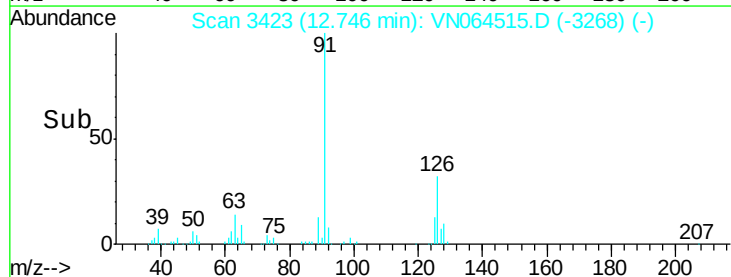
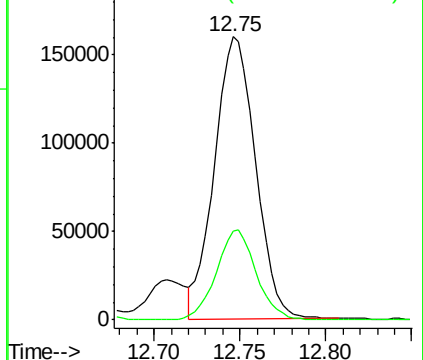
91 100

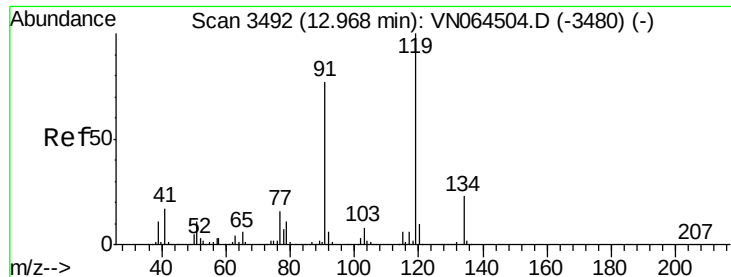
126 31.1 0.0 61.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

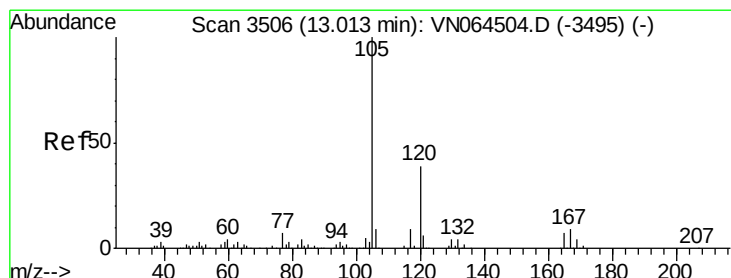
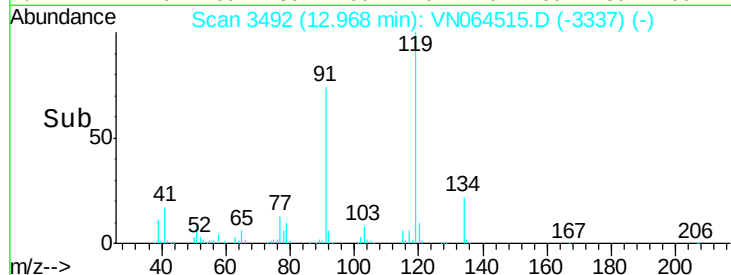
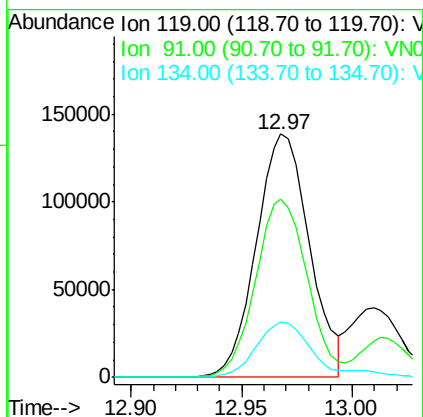
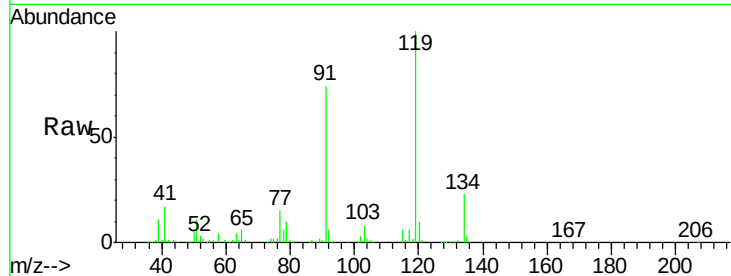




#79
tert-butylbenzene
Concen: 19.380 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

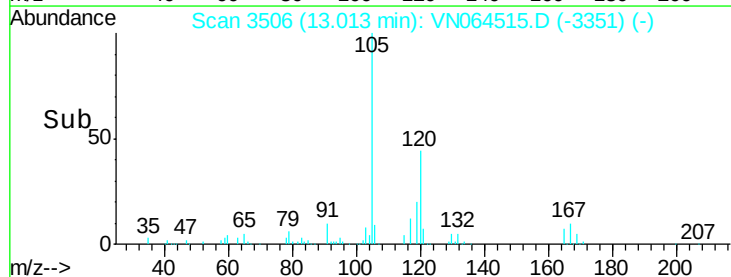
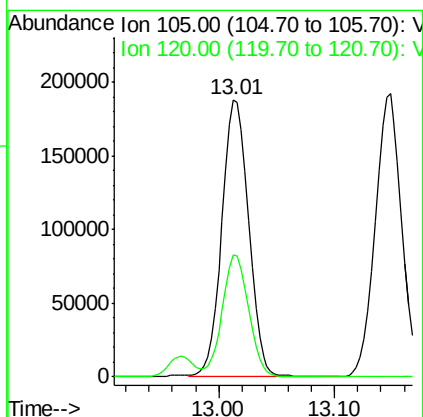
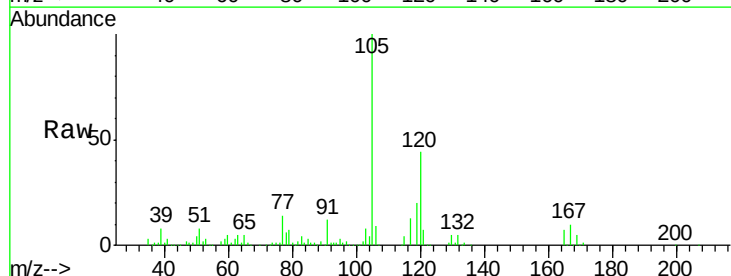
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

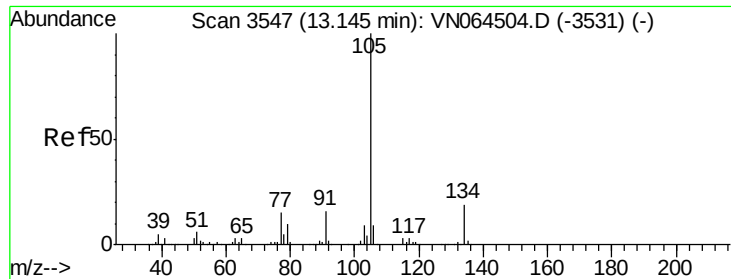
Tot Ion:119 Resp: 231352
Ion Ratio Lower Upper
119 100
91 71.3 0.0 147.8
134 22.7 0.0 50.6



#80
1,2,4-Trimethylbenzene
Concen: 19.704 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion:105 Resp: 302054
Ion Ratio Lower Upper
105 100
120 43.4 0.0 88.6

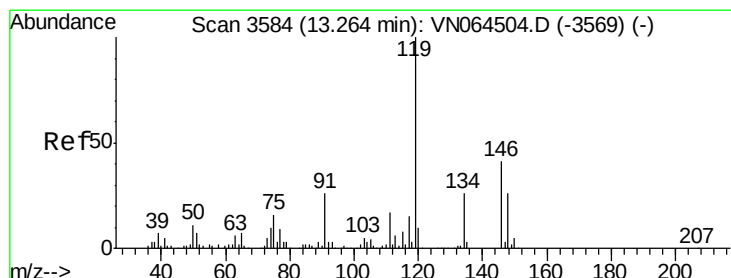
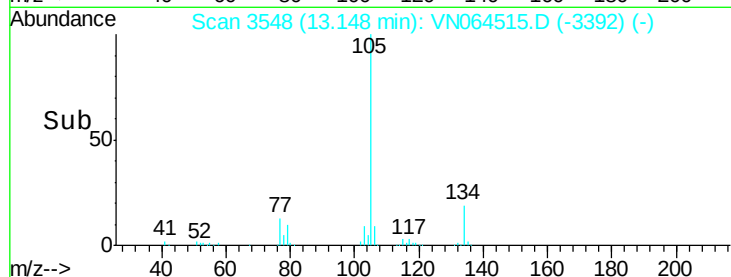
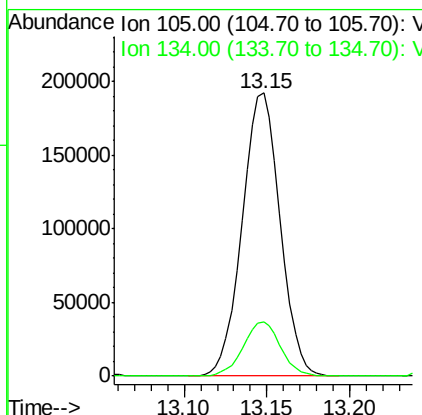
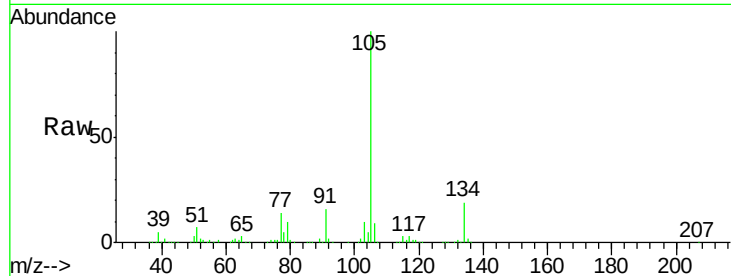




#81
 sec-Butylbenzene
 Concen: 19.337 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

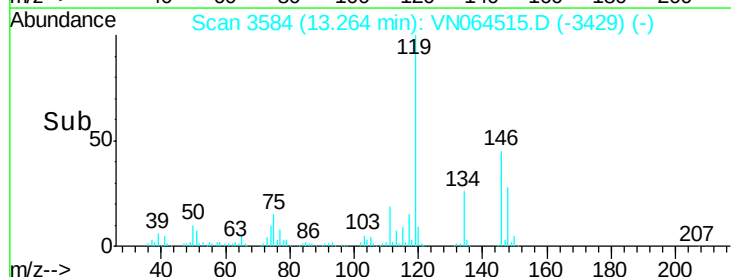
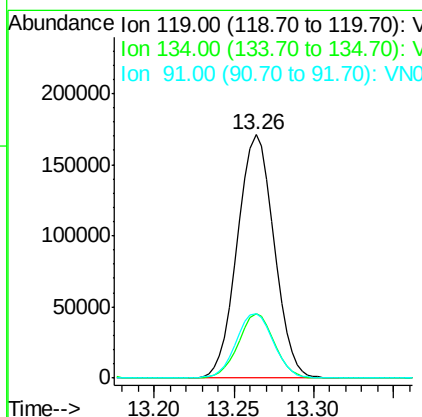
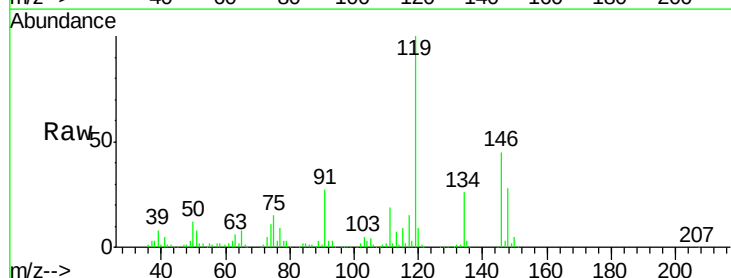
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

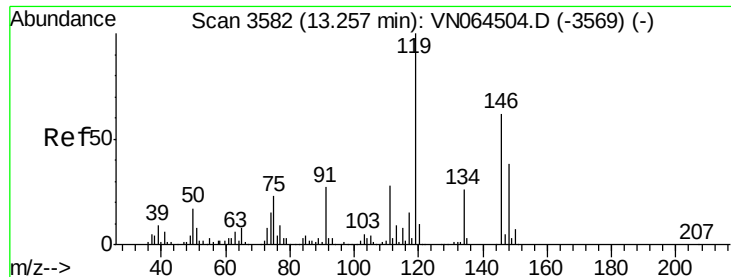
Tot Ion:105 Resp: 305993
 Ion Ratio Lower Upper
 105 100
 134 18.8 0.0 37.8



#82
 p-Isopropyltoluene
 Concen: 18.919 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

Tgt Ion:119 Resp: 267463
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 53.0
 91 26.9 0.0 53.2

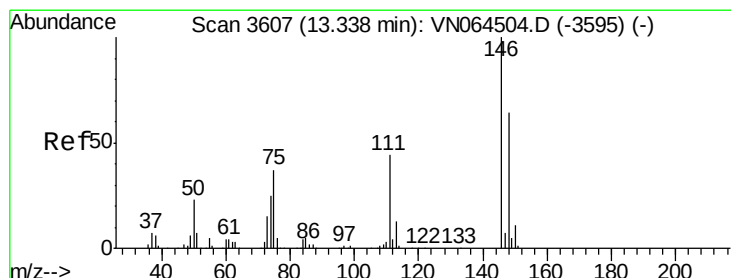
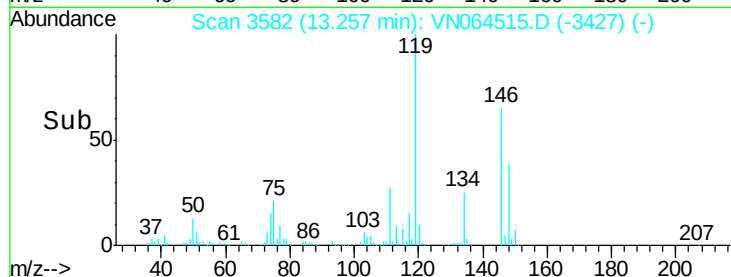
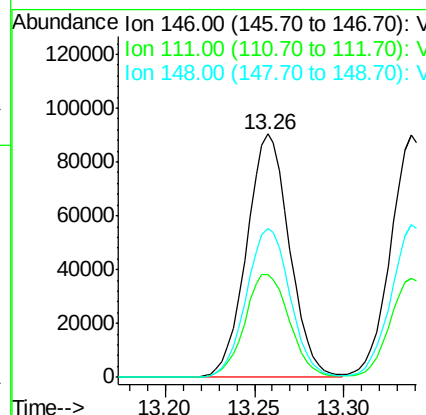
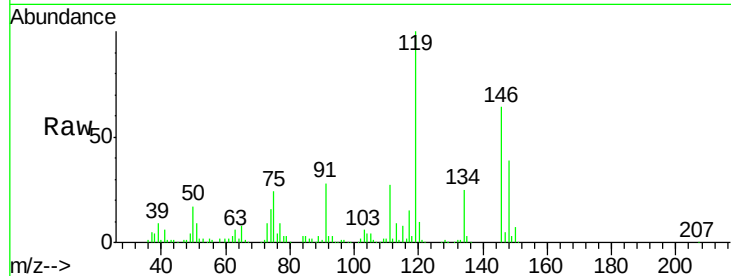




#83
 1,3-Dichlorobenzene
 Concen: 19.320 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

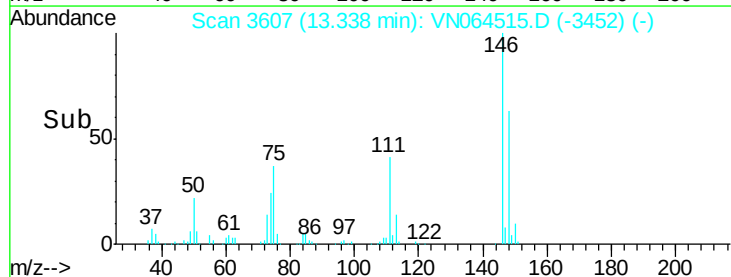
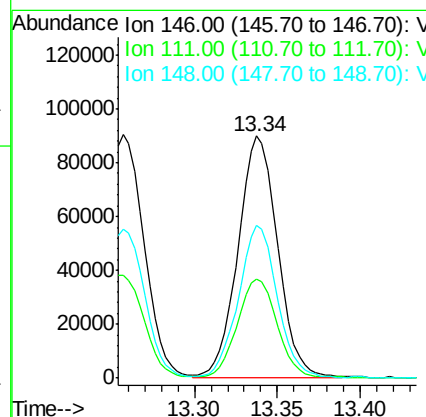
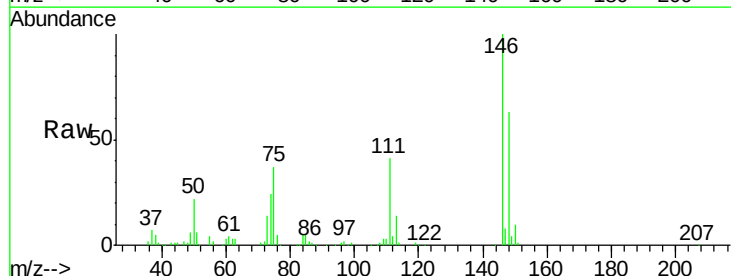
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

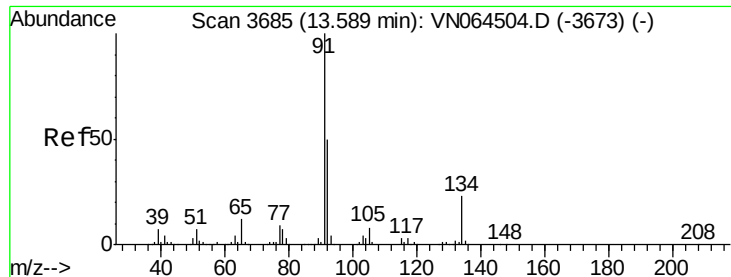
Tot Ion:146 Resp: 151508
 Ion Ratio Lower Upper
 146 100
 111 44.0 22.3 66.9
 148 62.4 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 19.199 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

Tgt Ion:146 Resp: 149741
 Ion Ratio Lower Upper
 146 100
 111 40.0 21.8 65.4
 148 62.0 31.5 94.5





#85

n-Butylbenzene

Concen: 18.453 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064515.D

Acq: 9 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

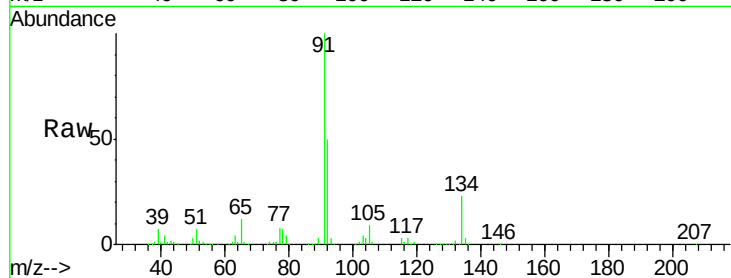
Tot Ion: 91 Resp: 226164

Ion Ratio Lower Upper

91 100

92 50.3 0.0 101.4

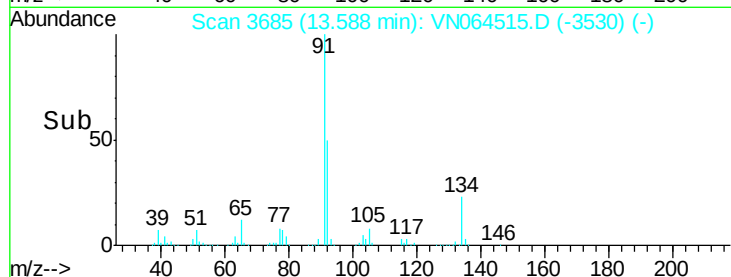
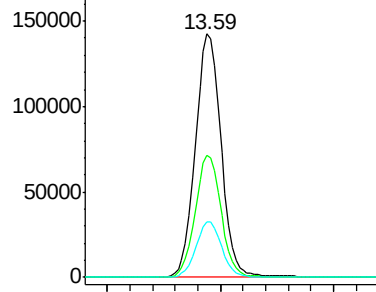
134 22.8 0.0 45.2



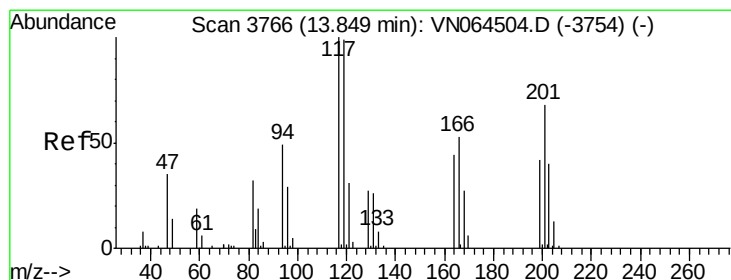
Abundance Ion 91.00 (90.70 to 91.70): VN064515.D (-3530) (-)

Ion 92.00 (91.70 to 92.70): VN064515.D (-3530) (-)

Ion 134.00 (133.70 to 134.70): VN064515.D (-3530) (-)



Time-->



#86

Hexachloroethane

Concen: 18.835 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN064515.D

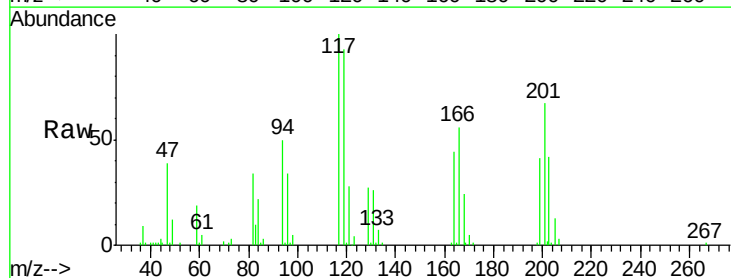
Acq: 9 Nov 2020 18:46

Tgt Ion: 117 Resp: 53058

Ion Ratio Lower Upper

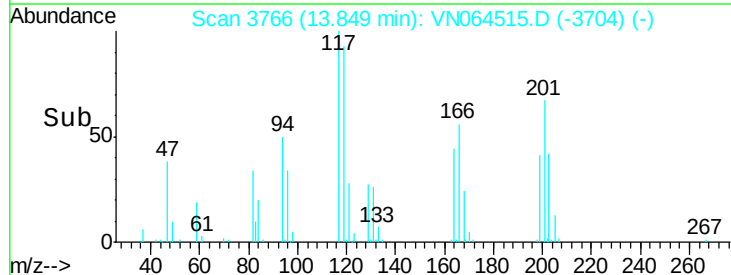
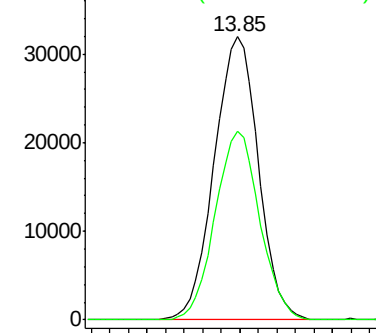
117 100

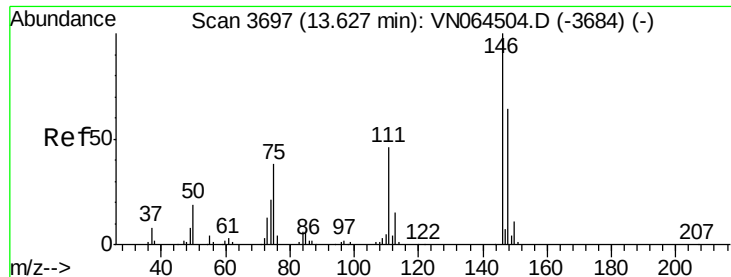
201 67.3 33.1 99.3



Abundance Ion 117.00 (116.70 to 117.70): VN064515.D (-3704) (-)

Ion 201.00 (200.70 to 201.70): VN064515.D (-3704) (-)

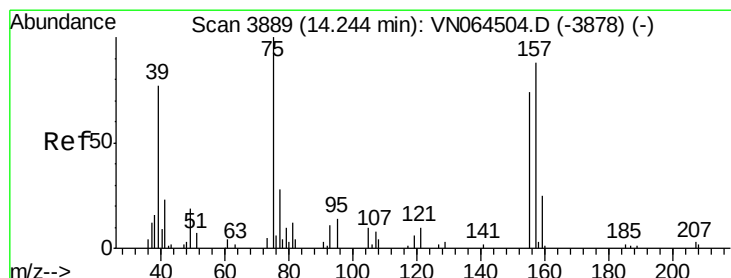
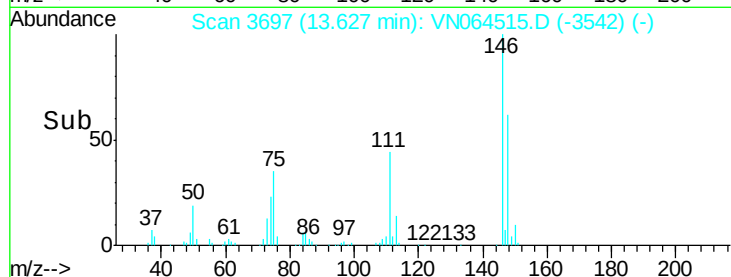
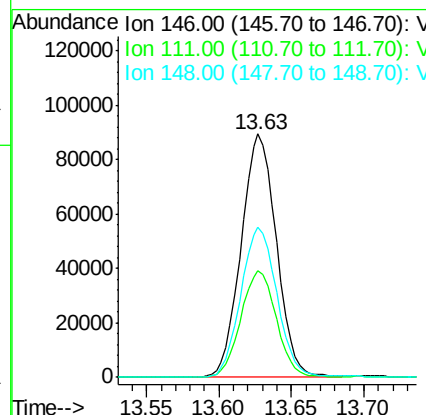
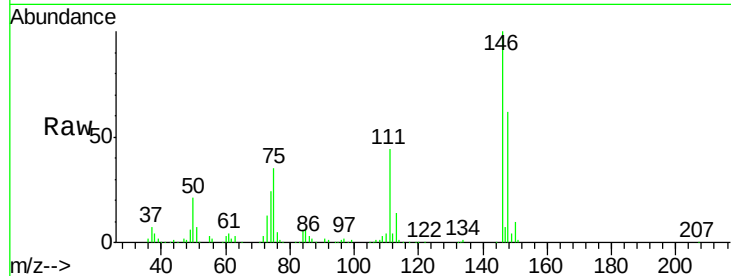




#87
 1,2-Dichlorobenzene
 Concen: 19.870 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

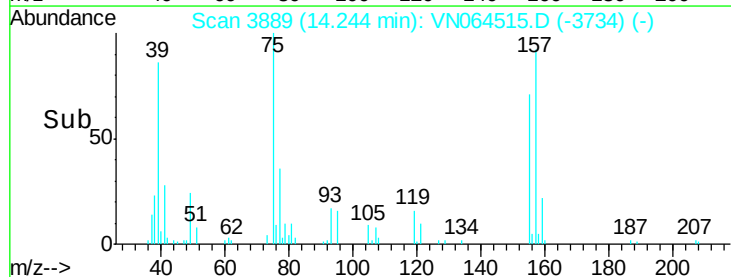
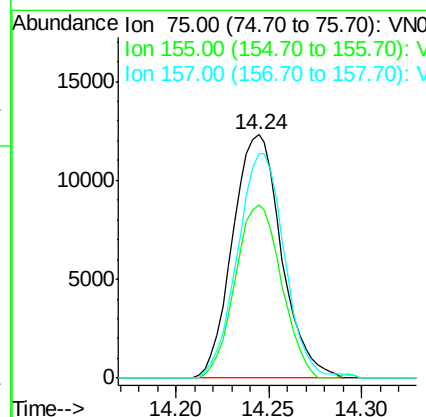
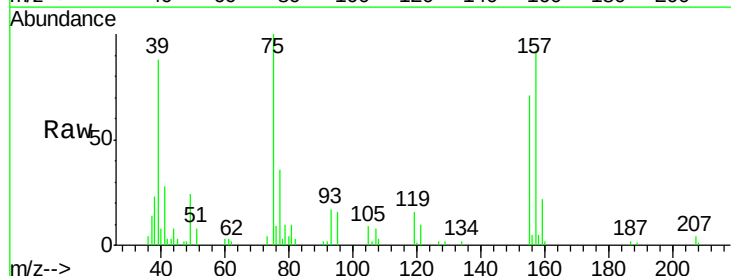
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

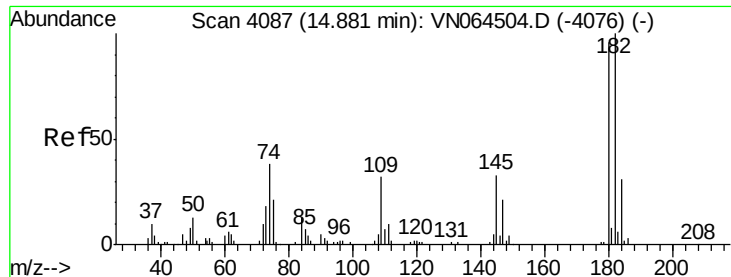
Tot Ion:146 Resp: 151762
 Ion Ratio Lower Upper
 146 100
 111 43.9 23.1 69.2
 148 62.9 32.6 97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.110 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

Tgt Ion: 75 Resp: 22578
 Ion Ratio Lower Upper
 75 100
 155 67.3 56.5 84.7
 157 88.5 69.7 104.5

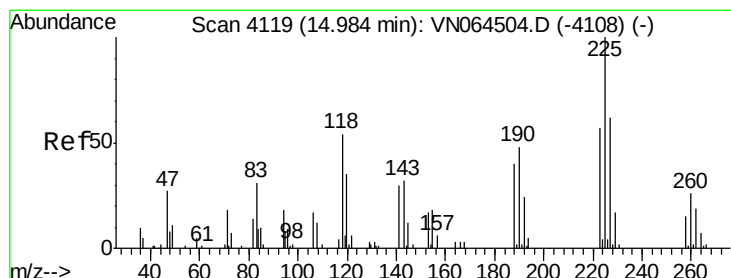
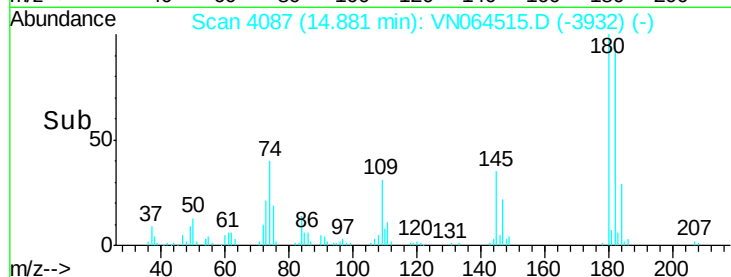
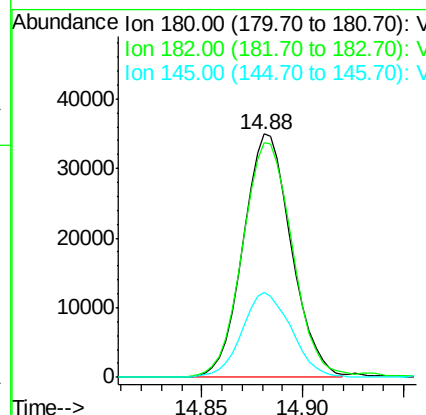
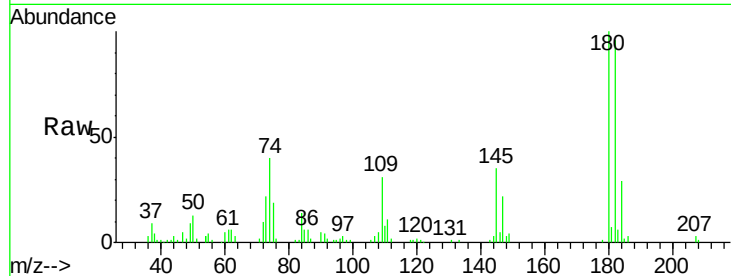




#89
 1,2,4-Trichlorobenzene
 Concen: 16.874 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

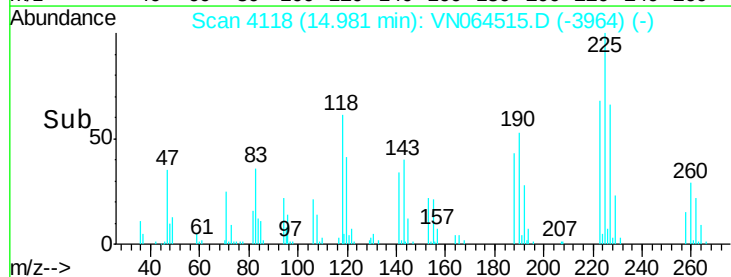
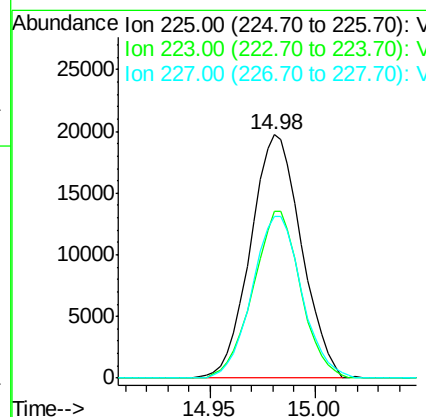
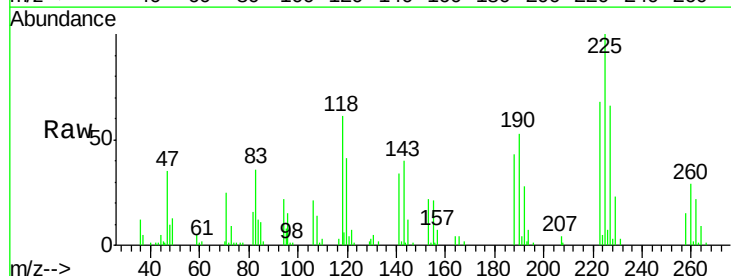
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

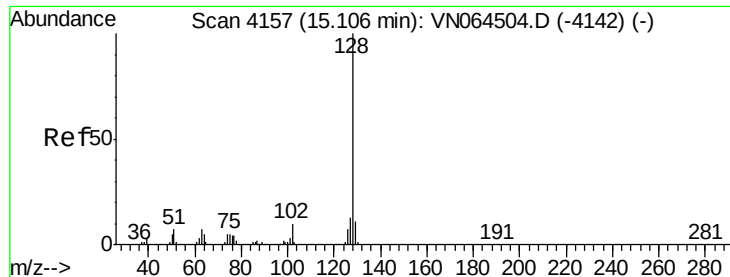
Tot Ion:180 Resp: 58517
 Ion Ratio Lower Upper
 180 100
 182 99.9 79.4 119.0
 145 35.5 27.6 41.4



#90
 Hexachlorobutadiene
 Concen: 19.145 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064515.D
 Acq: 9 Nov 2020 18:46

Tgt Ion:225 Resp: 33068
 Ion Ratio Lower Upper
 225 100
 223 64.0 0.0 125.4
 227 64.8 0.0 122.0

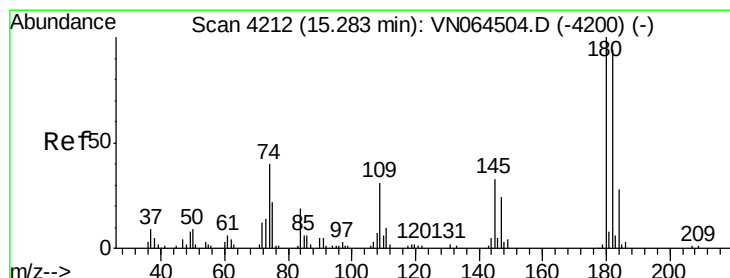
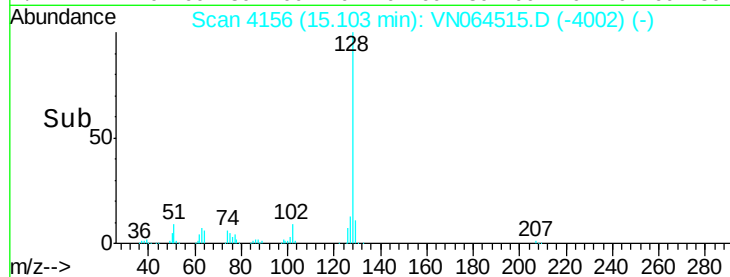
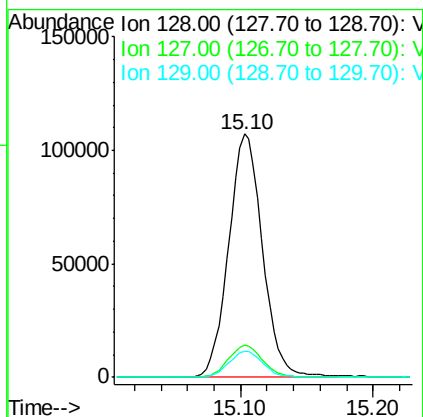
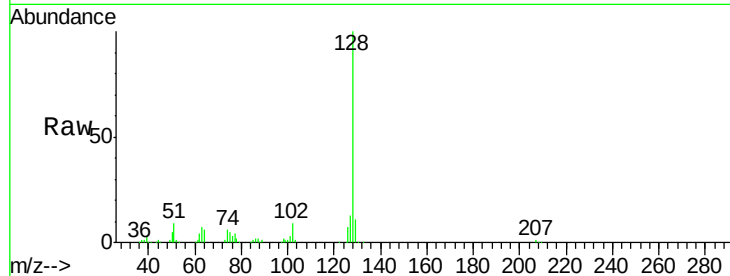




#91
Naphthalene
Concen: 16.573 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 190119
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 10.9 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 17.829 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064515.D
Acq: 9 Nov 2020 18:46

Tgt Ion:180 Resp: 62573
Ion Ratio Lower Upper
180 100
182 96.6 0.0 186.0
145 36.5 0.0 69.6

