

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
 Data File : VN063031.D
 Acq On : 20 Aug 2020 11:48
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 20 13:43:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 13:39:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	33079	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	174530	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	166947	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	66892	28.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.13%
60) 4-Bromofluorobenzene	12.38	95	83321	31.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.27%
63) Toluene-d8	10.06	98	225810	29.47	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.23%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	373356	157.862	ug/l 97
3) Chloromethane	2.03	50	409516	156.480	ug/l 100
4) Vinyl Chloride	2.16	62	409548	155.452	ug/l 100
5) Bromomethane	2.50	94	239845	147.688	ug/l 98
6) Chloroethane	2.65	64	235755	151.410	ug/l 99
7) Trichlorofluoromethane	2.97	101	473710	149.102	ug/l 99
8) Diethyl Ether	3.37	74	161510	152.849	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	242518	141.175	ug/l 99
10) 1,1-Dichloroethene	3.69	96	229299	148.545	ug/l 98
11) Methyl Iodide	3.91	142	351537	165.983	ug/l 97
12) Methyl Acetate	4.27	43	310803	151.053	ug/l 99
13) Acrolein	3.56	56	167979	796.560	ug/l 98
14) Acrylonitrile	4.93	53	695033	771.441	ug/l 97
15) Acetone	3.77	58	184660	708.183	ug/l 95
16) Carbon Disulfide	4.00	76	623058	150.352	ug/l 99
17) Allyl chloride	4.27	41	435157	153.631	ug/l 97
18) Methylene Chloride	4.50	84	291468	134.954	ug/l 99
19) trans-1,2-Dichloroethene	4.99	96	250987	147.863	ug/l 98
20) Diisopropyl ether	5.90	45	1022401	154.115	ug/l 92
21) 1,1-Dichloroethane	5.80	63	528141	145.059	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	316861	150.633	ug/l 98
23) tert-Butyl Alcohol	4.74	59	214320	726.106	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	884026	156.107	ug/l 98
25) Chloroform	7.33	83	527957	145.607	ug/l 100
26) Cyclohexane	7.61	56	510751	162.958	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	380201	150.005	ug/l 99
30) 2-Butanone	6.78	43	864974	732.185	ug/l 99
31) 2,2-Dichloropropane	6.78	77	435415	141.331	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	435084	142.523	ug/l 100
33) Carbon Tetrachloride	7.73	117	375979	144.634	ug/l 96
34) Benzene	8.00	78	1183142	145.664	ug/l # 89
35) Methacrylonitrile	7.12	41	169405	153.765	ug/l 95
36) 1,2-Dichloroethane	8.08	62	389123	140.424	ug/l 100
37) Trichloroethene	8.80	130	290409	145.996	ug/l 97
38) Methylcyclohexane	9.05	83	520003	163.568	ug/l 96
39) 1,2-Dichloropropane	9.08	63	343123	145.149	ug/l 100
40) Dibromomethane	9.17	93	196610	143.249	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	443573	145.841	ug/l	97
42) Vinyl Acetate	5.84	43	3321585	742.210	ug/l	99
43) Ethyl Acetate	6.88	43	328300	145.597	ug/l	100
44) Isopropyl Acetate	8.12	43	574775	151.842	ug/l	97
45) 1,4-Dioxane	9.17	88	110288	3110.832	ug/l	95
46) Methyl methacrylate	9.17	41	293421	157.441	ug/l	98
47) n-amyl Acetate	12.05	43	560278	166.763	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	496143	154.455	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	536535	153.450	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	300334	141.922	ug/l	98
51) Ethyl methacrylate	10.40	69	471919	163.910	ug/l	99
52) 1,3-Dichloropropane	10.68	76	514742	147.228	ug/l	99
53) Dibromochloromethane	10.87	129	347186	149.506	ug/l	100
54) 1,2-Dibromoethane	10.98	107	305093	150.285	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	561543	949.522	ug/l	99
56) Bromoform	12.10	173	264224	155.380	ug/l	96
58) 4-Methyl-2-Pentanone	9.95	43	1828588	761.402	ug/l	98
59) 2-Hexanone	10.72	43	1314040	767.012	ug/l	96
61) Tetrachloroethene	10.60	164	259805	141.956	ug/l	97
62) Toluene	10.12	91	1310119	148.071	ug/l	99
64) Chlorobenzene	11.41	112	827016	151.058	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	322588	148.660	ug/l	99
66) Ethyl Benzene	11.48	91	1524003	158.013	ug/l	100
67) m/p-Xylenes	11.60	106	1140742	315.716	ug/l	99
68) o-Xylene	11.92	106	553154	159.373	ug/l	100
69) Styrene	11.94	104	992088	163.627	ug/l	100
70) Isopropylbenzene	12.22	105	1507107	159.622	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	443396	146.441	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	566398	216.441	ug/l	63
73) Bromobenzene	12.50	156	391132	153.614	ug/l	99
74) n-propylbenzene	12.57	91	1811843	159.973	ug/l	99
75) 2-Chlorotoluene	12.65	91	1057728	156.695	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	1303741	161.803	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	159943	168.441	ug/l	92
78) 4-Chlorotoluene	12.75	91	1117514	160.571	ug/l	99
79) tert-butylbenzene	12.97	119	1127835	166.355	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	1307172	166.660	ug/l	100
81) sec-Butylbenzene	13.15	105	1538098	164.693	ug/l	100
82) p-Isopropyltoluene	13.26	119	1391890	168.114	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	710212	159.754	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	702996	161.795	ug/l	100
85) n-Butylbenzene	13.59	91	1236773	179.752	ug/l	97
86) Hexachloroethane	13.85	117	258827	158.725	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	666891	156.630	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	78849	164.178	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	395498	188.226	ug/l	99
90) Hexachlorobutadiene	14.98	225	231181	148.646	ug/l	99
91) Naphthalene	15.10	128	895703	192.918	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	382977	182.567	ug/l	98

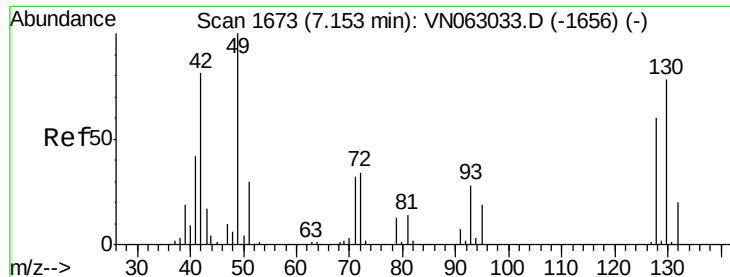
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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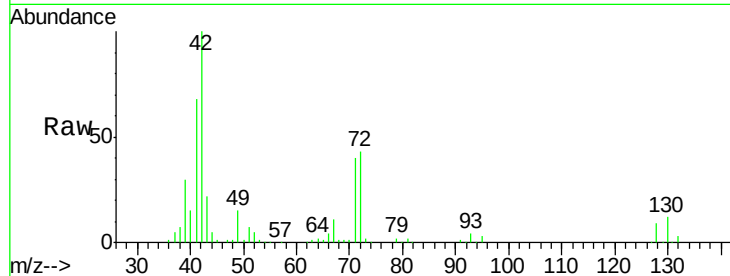
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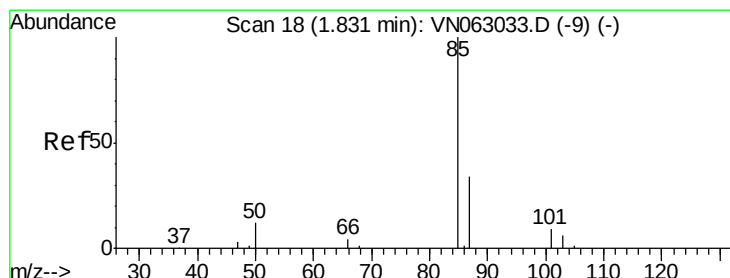
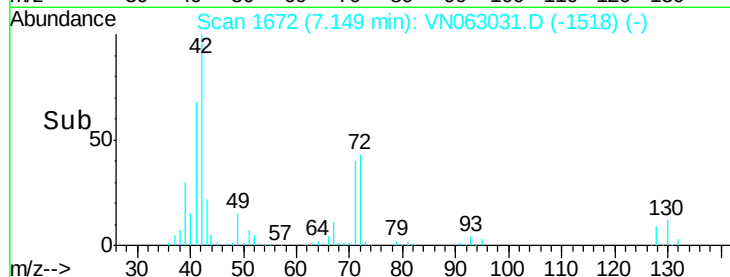
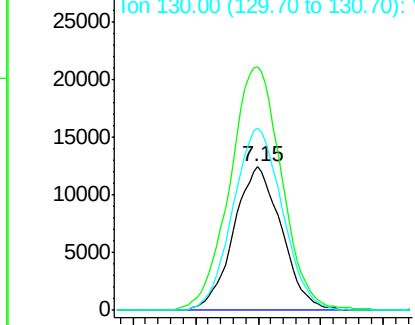
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Instrument :
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 ClientSampleId :
 VSTDIC150

Tgt Ion:128 Resp: 33079
 Ion Ratio Lower Upper
 128 100
 49 183.1 0.0 437.5
 130 130.7 0.0 327.3

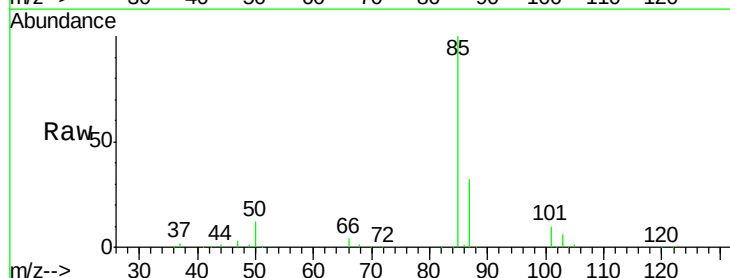


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

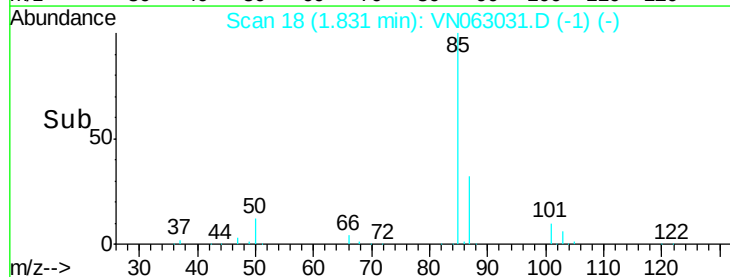
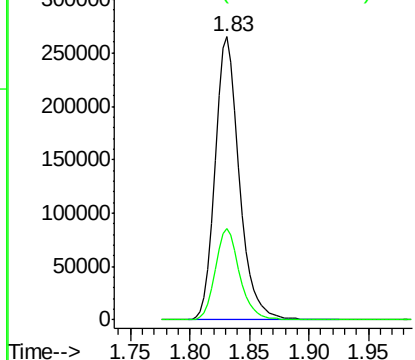


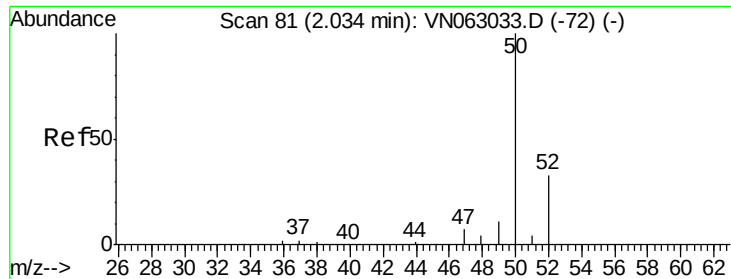
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 Dichlorodifluoromethane
 Concen: 157.862 ug/l
 RT: 1.83 min Scan# 18
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Tgt Ion: 85 Resp: 373356
 Ion Ratio Lower Upper
 85 100
 87 32.1 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN

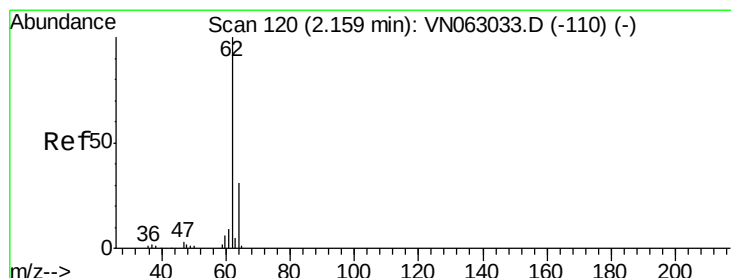
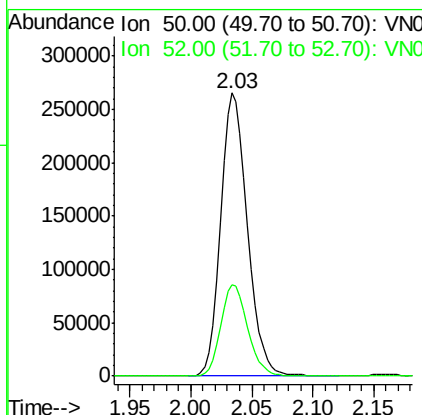
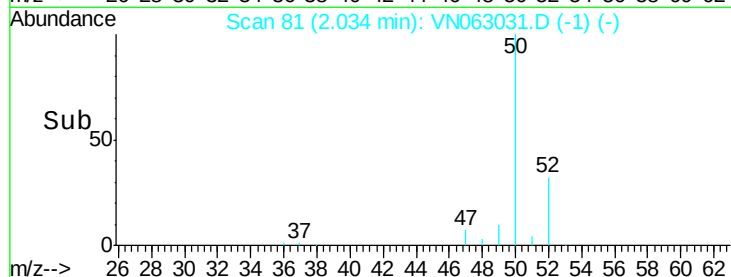
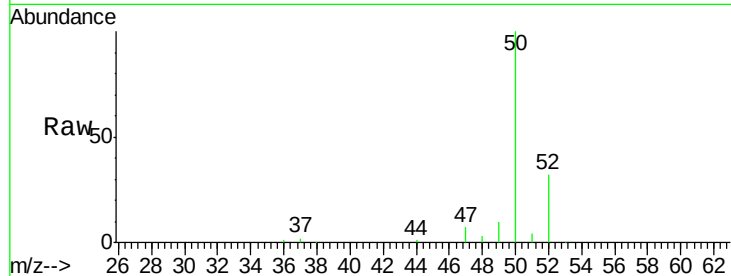




#3
 Chloromethane
 Concen: 156.480 ug/l
 RT: 2.03 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

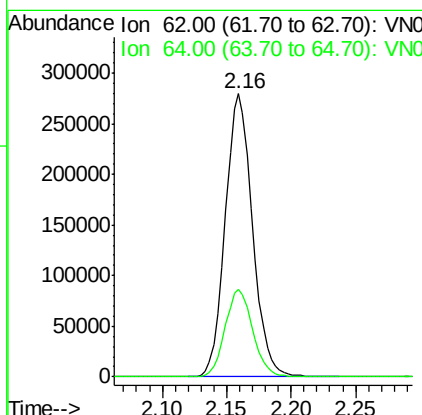
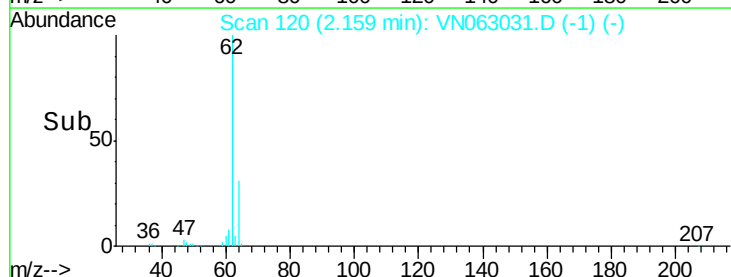
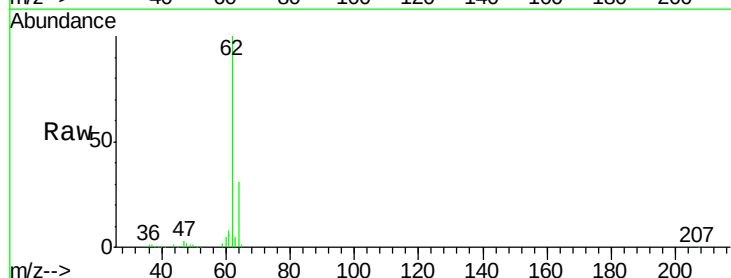
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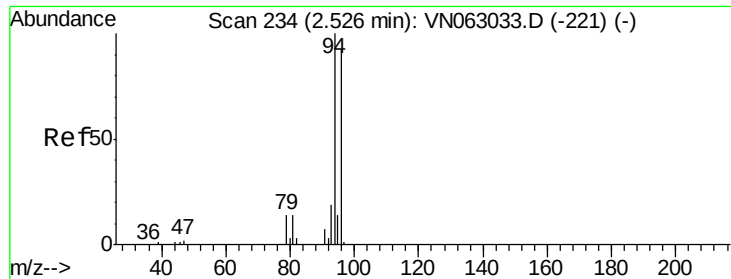
Tgt Ion: 50 Resp: 409516
 Ion Ratio Lower Upper
 50 100
 52 32.5 26.0 39.0



#4
 Vinyl Chloride
 Concen: 155.452 ug/l
 RT: 2.16 min Scan# 120
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Tgt Ion: 62 Resp: 409548
 Ion Ratio Lower Upper
 62 100
 64 31.1 25.0 37.4





#5

Bromomethane

Concen: 147.688 ug/l

RT: 2.50 min Scan# 227

Delta R.T. -0.02 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

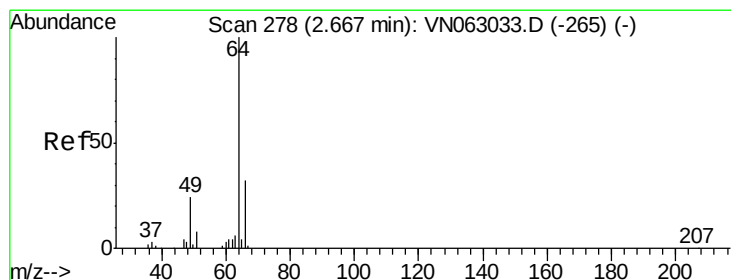
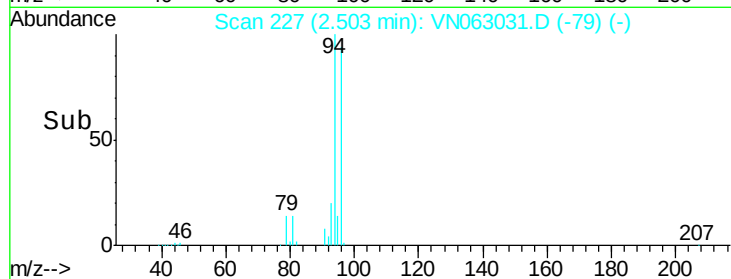
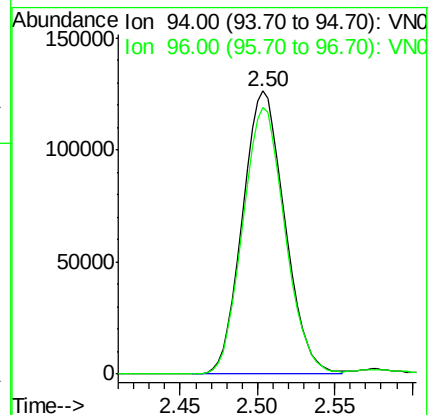
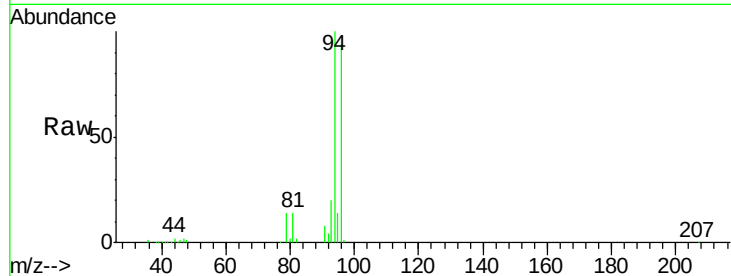
VSTDICC150

Tgt Ion: 94 Resp: 239845

Ion Ratio Lower Upper

94 100

96 94.5 74.0 111.0



#6

Chloroethane

Concen: 151.410 ug/l

RT: 2.65 min Scan# 274

Delta R.T. -0.01 min

Lab File: VN063031.D

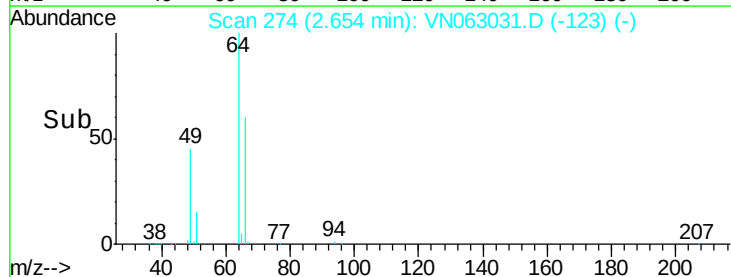
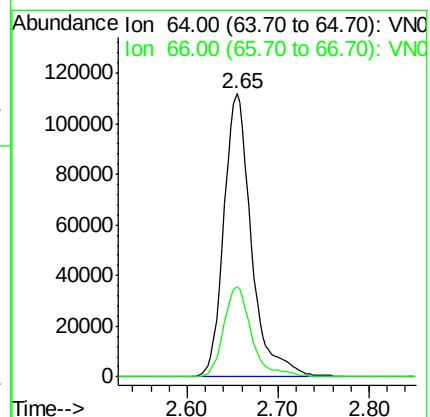
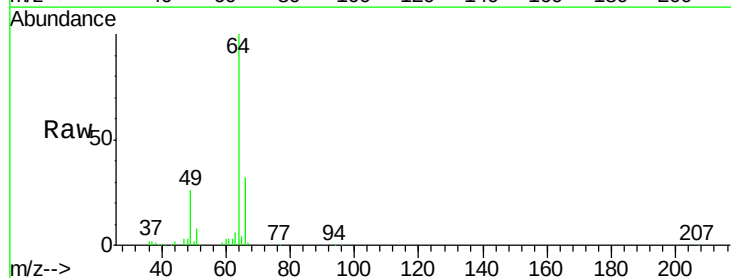
Acq: 20 Aug 2020 11:48

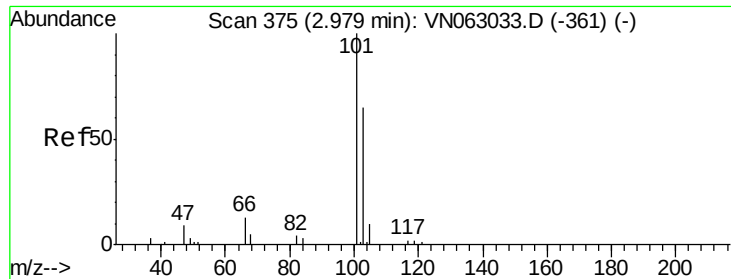
Tgt Ion: 64 Resp: 235755

Ion Ratio Lower Upper

64 100

66 31.7 25.8 38.8



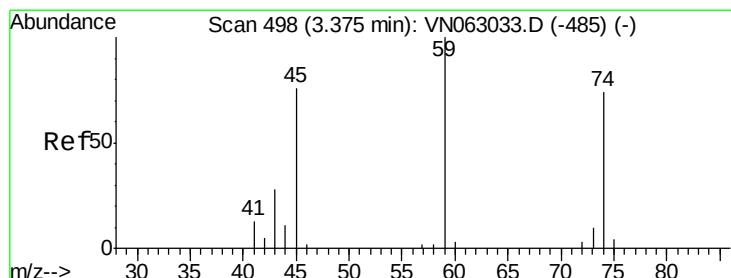
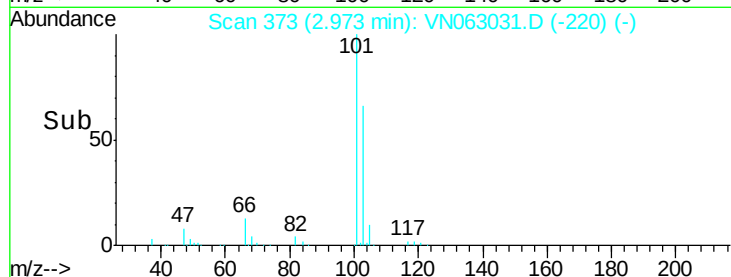
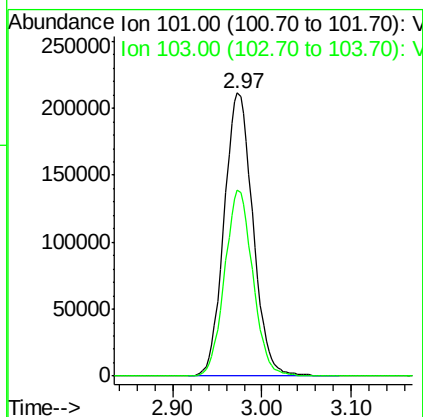
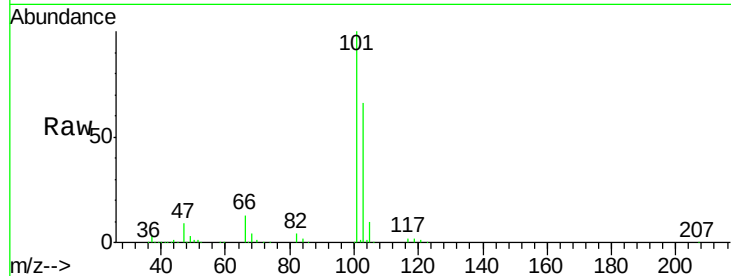


#7

Trichlorofluoromethane
 Concen: 149.102 ug/l
 RT: 2.97 min Scan# 373
 Delta R.T. -0.01 min
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 ClientSampleId :
 VSTDIC150

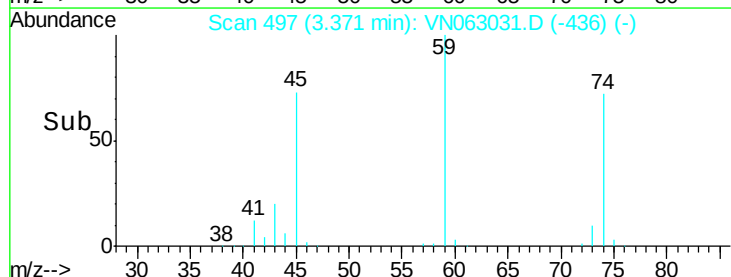
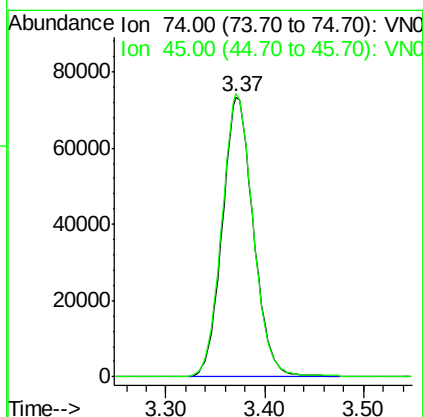
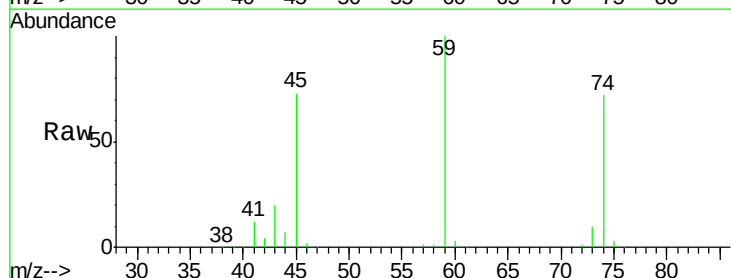
Tgt Ion: 101 Resp: 473710
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.9 77.9

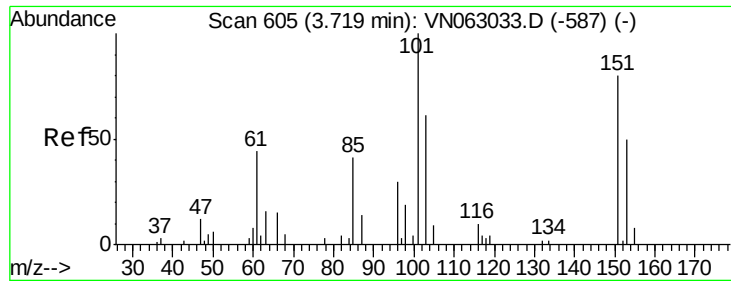


#8

Diethyl Ether
 Concen: 152.849 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Tgt Ion: 74 Resp: 161510
 Ion Ratio Lower Upper
 74 100
 45 101.4 20.6 185.4

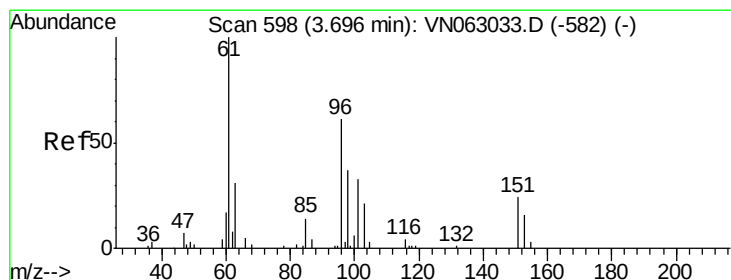
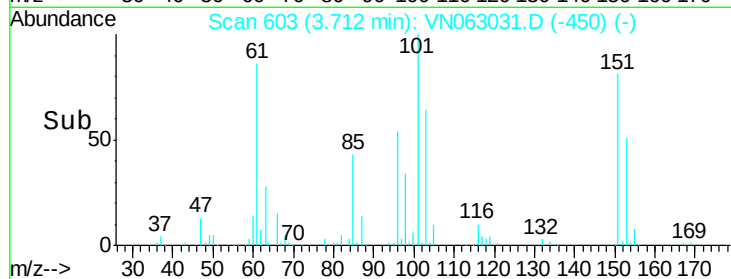
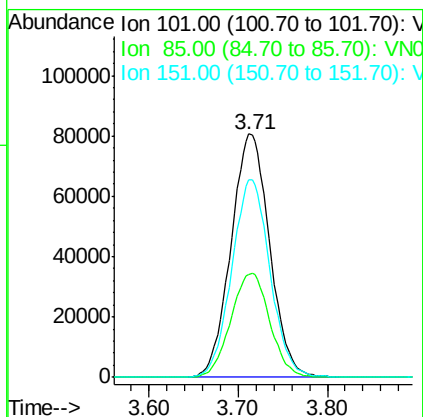
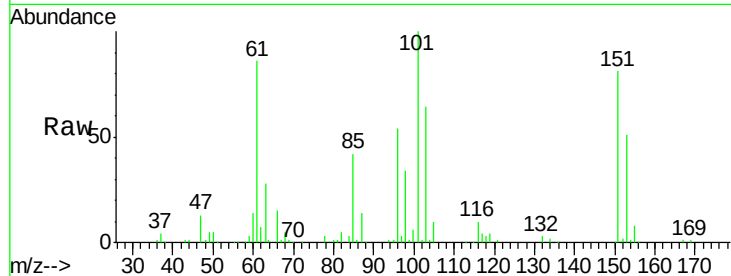




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 141.175 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VN063031.D
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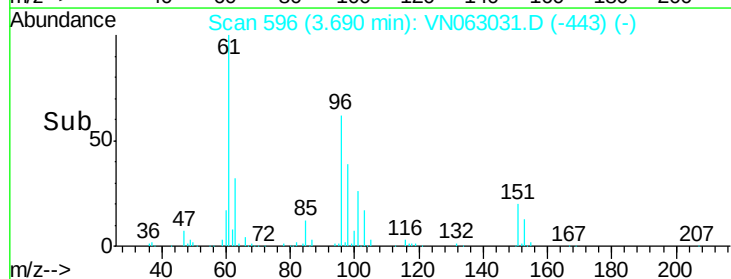
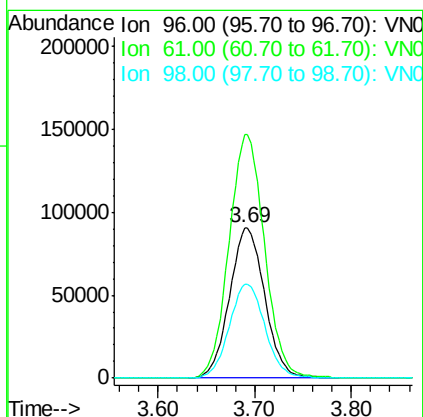
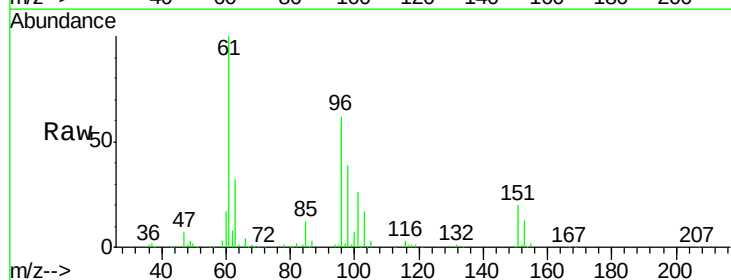
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

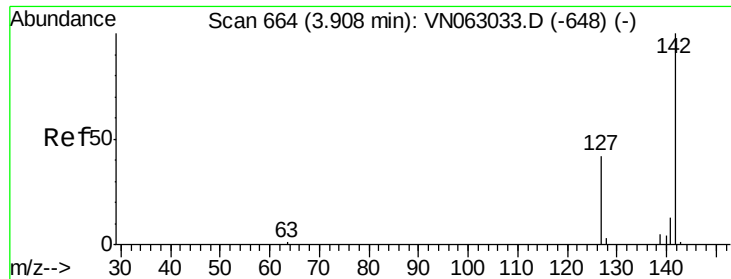
Tgt Ion: 101 Resp: 242518
 Ion Ratio Lower Upper
 101 100
 85 43.1 0.0 85.0
 151 80.5 0.0 161.6



#10
 1,1-Dichloroethene
 Concen: 148.545 ug/l
 RT: 3.69 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Tgt Ion: 96 Resp: 229299
 Ion Ratio Lower Upper
 96 100
 61 161.1 130.8 196.2
 98 62.3 49.0 73.4

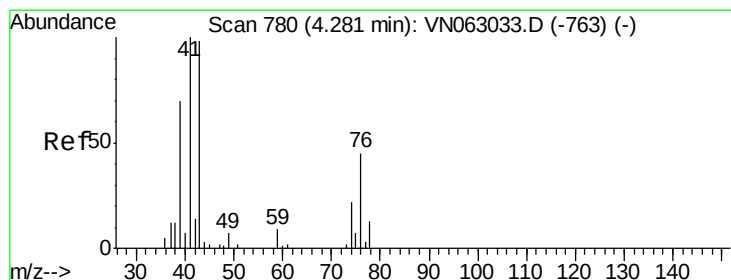
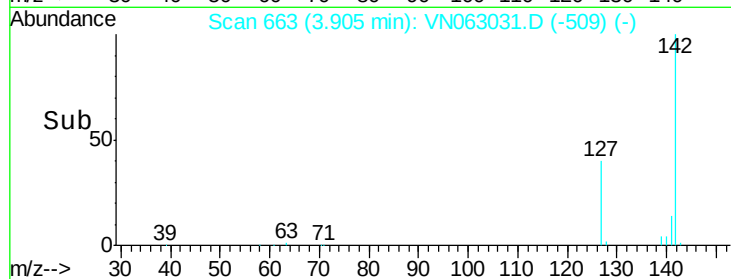
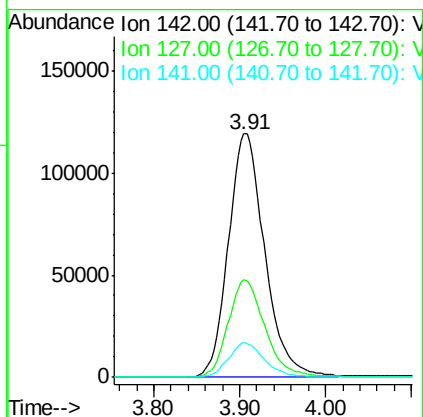
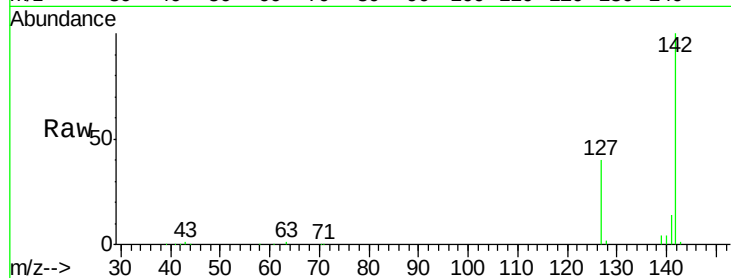




#11
Methyl Iodide
Concen: 165.983 ug/l
RT: 3.91 min Scan# 663
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

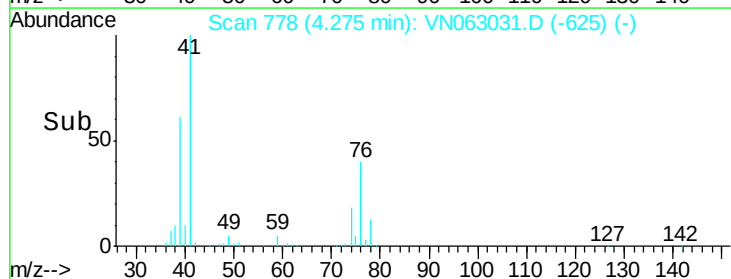
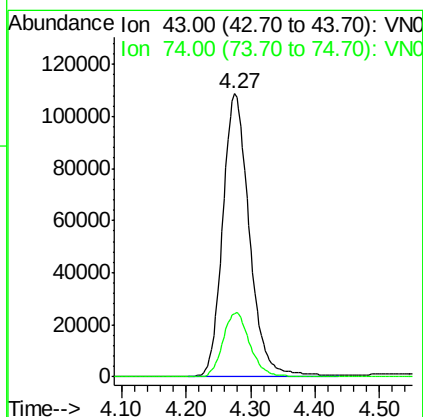
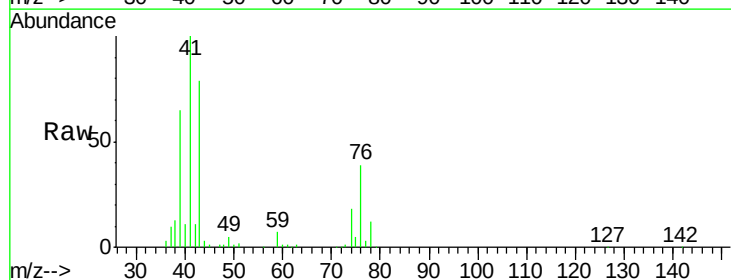
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

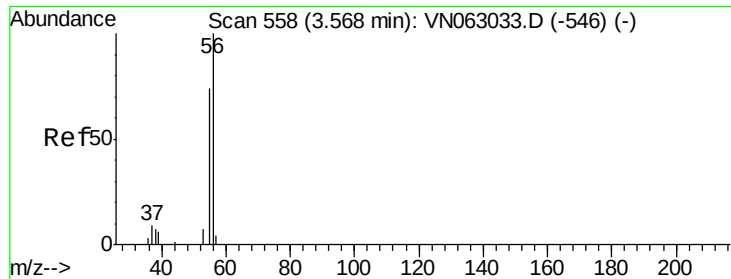
Tgt Ion: 142 Resp: 351537
Ion Ratio Lower Upper
142 100
127 40.1 20.9 62.8
141 14.3 6.7 20.1



#12
Methyl Acetate
Concen: 151.053 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.01 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion: 43 Resp: 310803
Ion Ratio Lower Upper
43 100
74 22.6 18.6 27.8





#13

Acrolein

Concen: 796.560 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

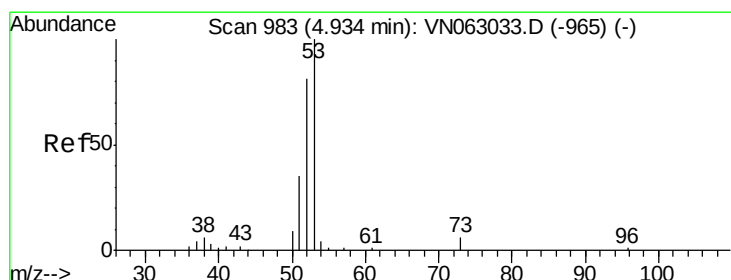
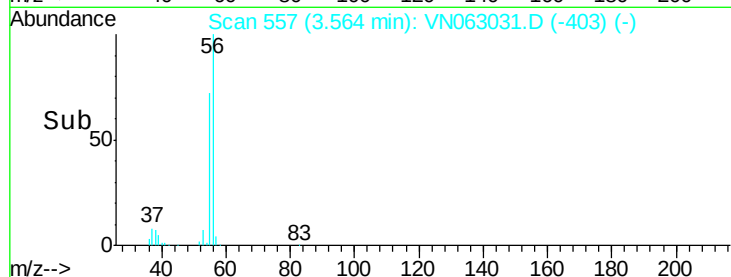
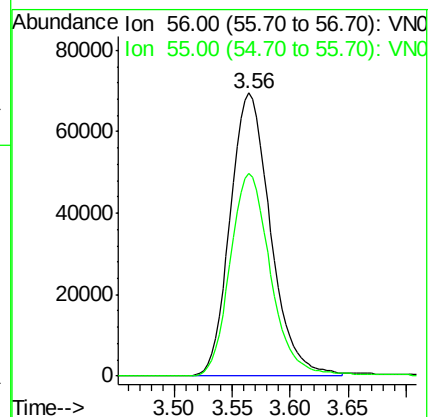
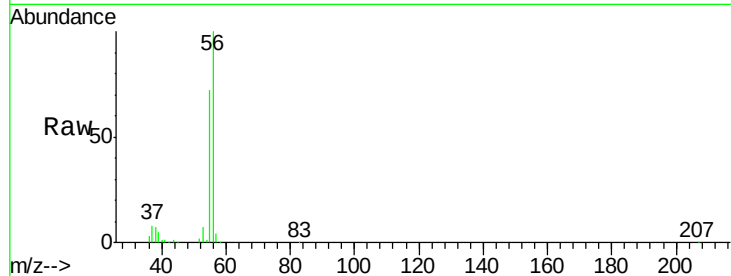
VSTDIC150

Tgt Ion: 56 Resp: 167979

Ion Ratio Lower Upper

56 100

55 72.0 58.7 88.1



#14

Acrylonitrile

Concen: 771.441 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

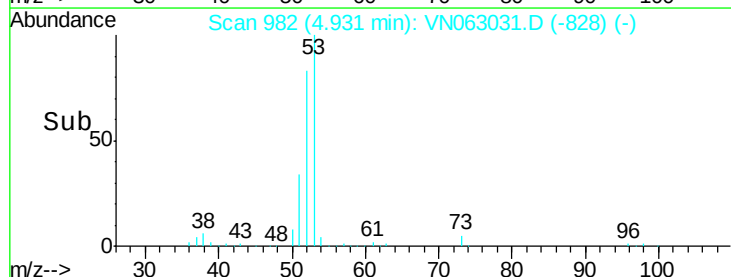
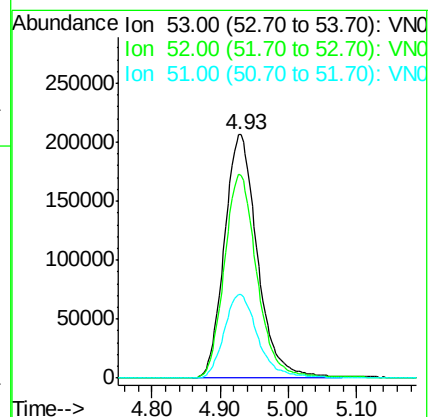
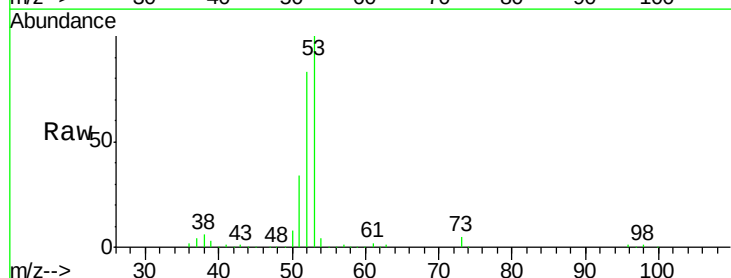
Tgt Ion: 53 Resp: 695033

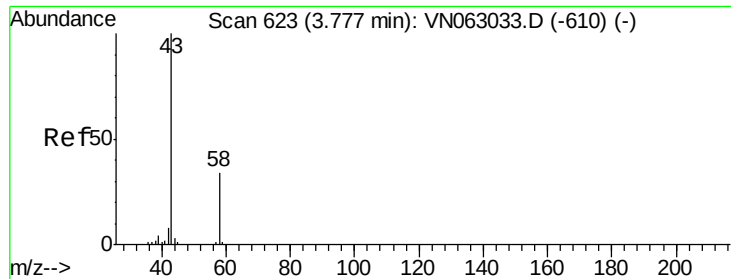
Ion Ratio Lower Upper

53 100

52 82.4 39.9 119.7

51 35.3 17.0 51.0

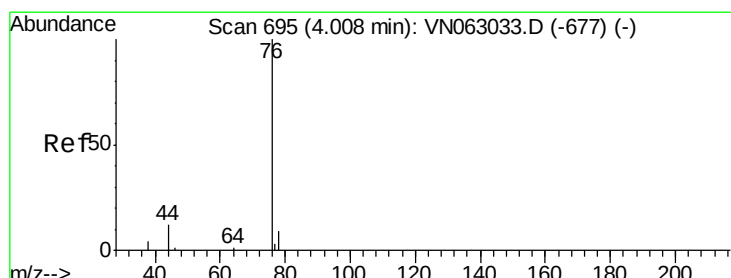
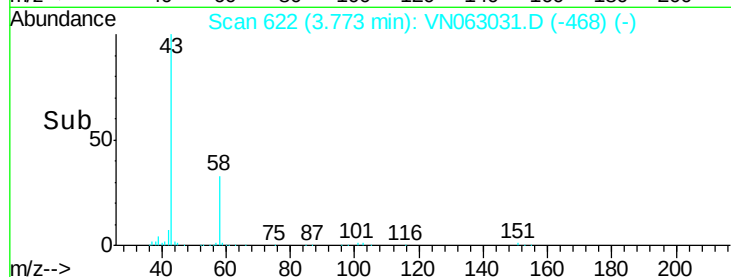
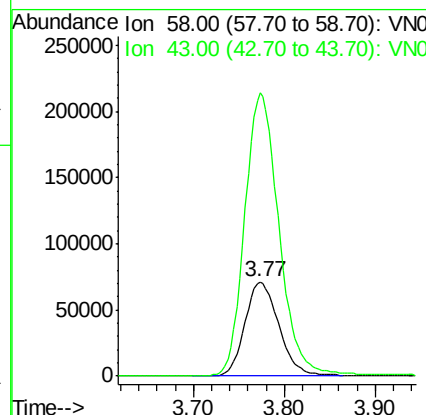
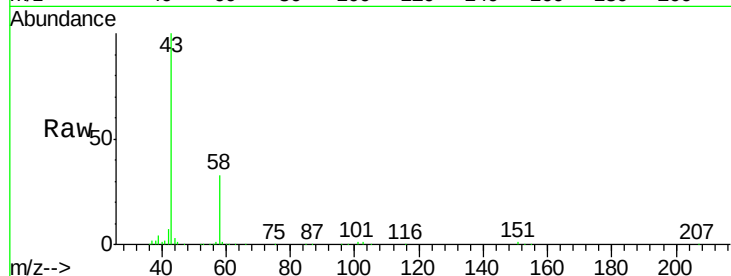




#15
Acetone
Concen: 708.183 ug/l
RT: 3.77 min Scan# 622
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

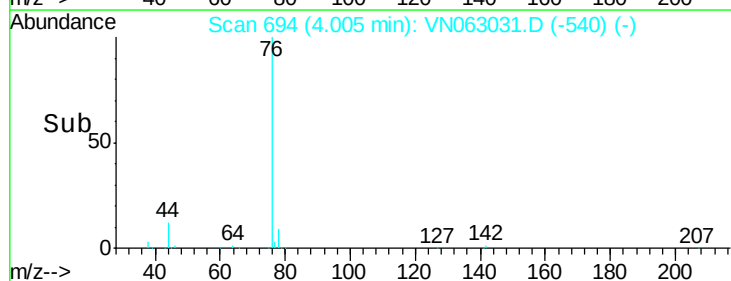
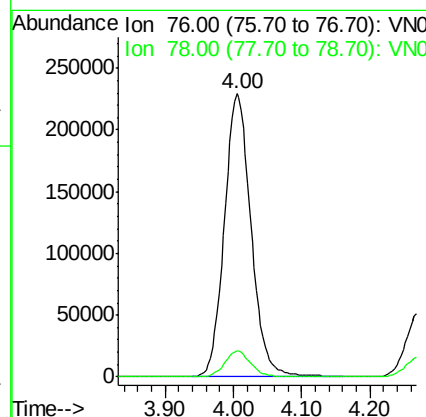
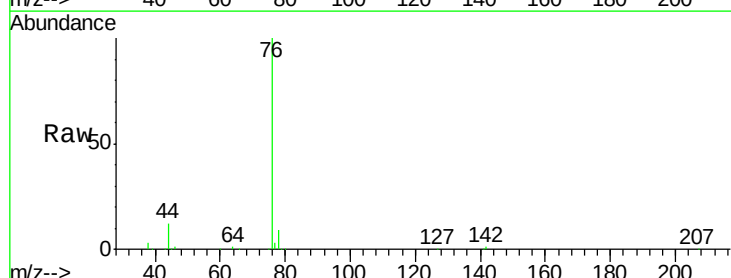
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

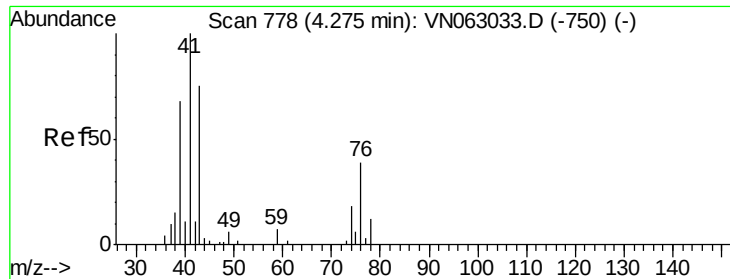
Tgt Ion: 58 Resp: 184660
Ion Ratio Lower Upper
58 100
43 300.3 233.2 349.8



#16
Carbon Disulfide
Concen: 150.352 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion: 76 Resp: 623058
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4

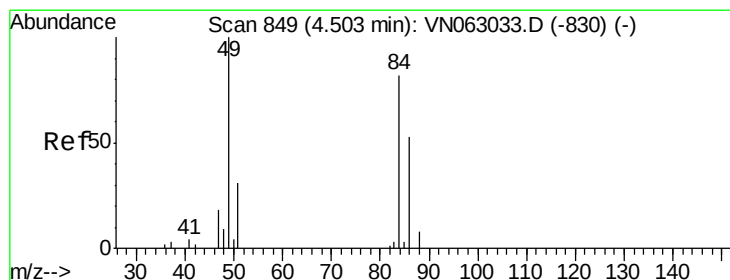
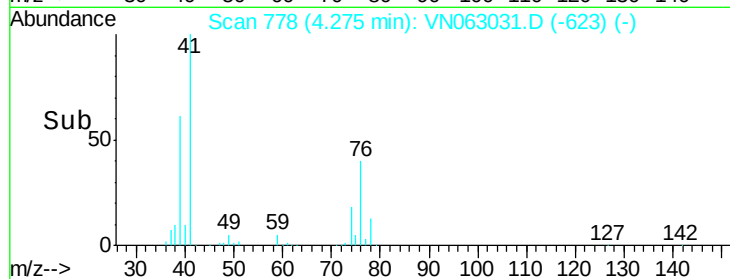
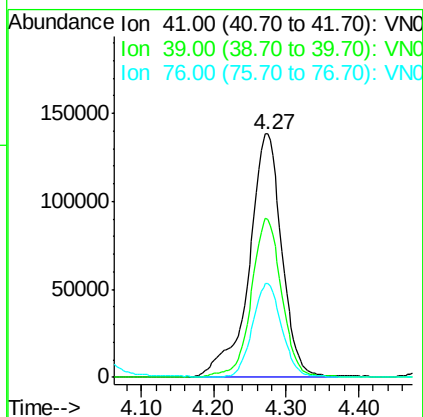
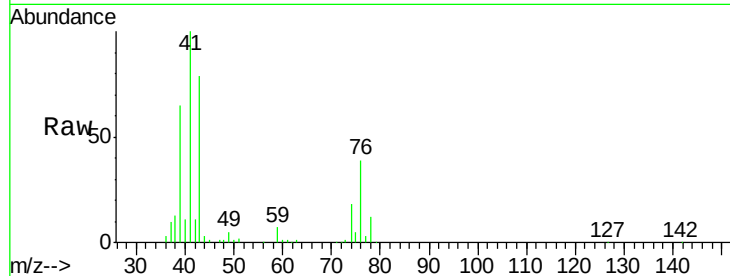




#17
 Allyl chloride
 Concen: 153.631 ug/l
 RT: 4.27 min Scan# 778
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

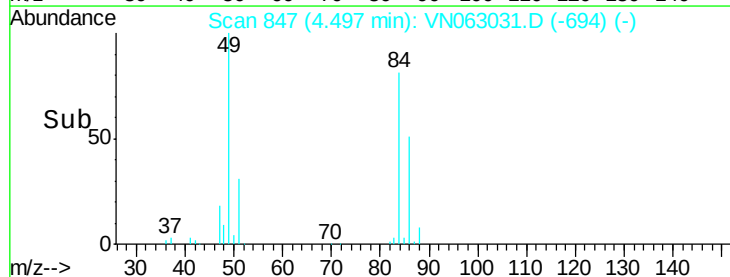
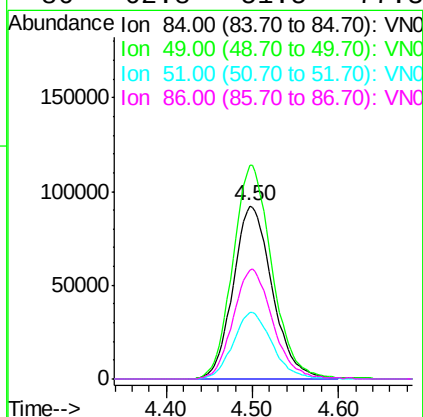
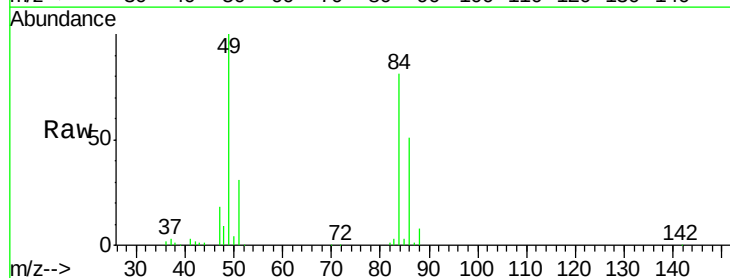
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

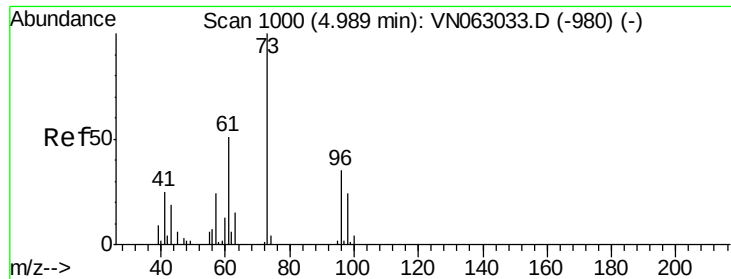
Tgt Ion: 41 Resp: 435157
 Ion Ratio Lower Upper
 41 100
 39 64.7 33.8 101.4
 76 38.3 19.4 58.4



#18
 Methylene Chloride
 Concen: 134.954 ug/l
 RT: 4.50 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Tgt Ion: 84 Resp: 291468
 Ion Ratio Lower Upper
 84 100
 49 123.2 97.8 146.8
 51 38.2 30.7 46.1
 86 62.8 51.5 77.3

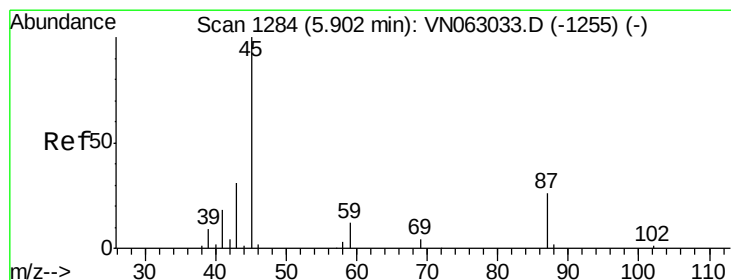
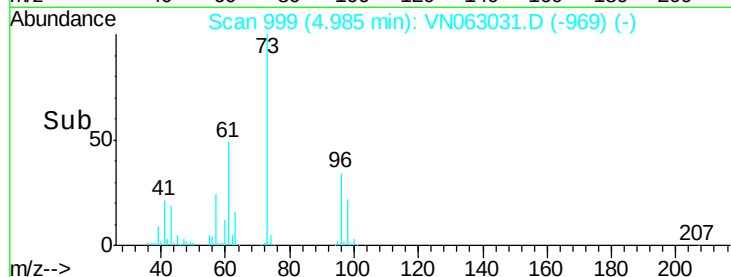
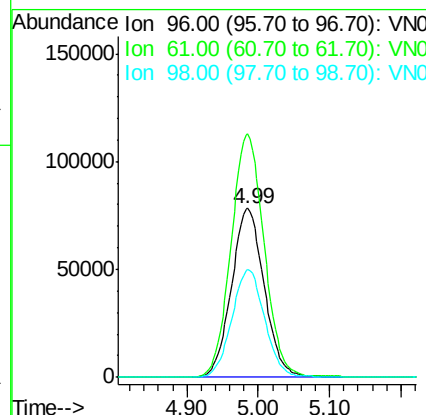
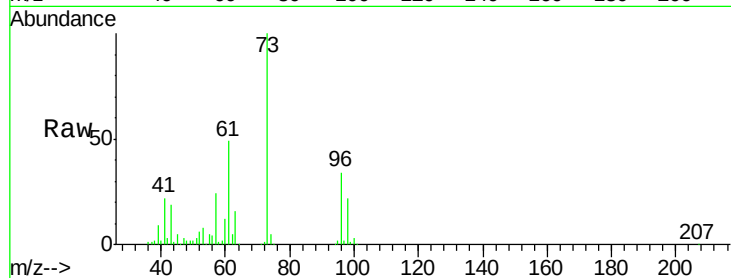




#19
trans-1,2-Dichloroethene
Concen: 147.863 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

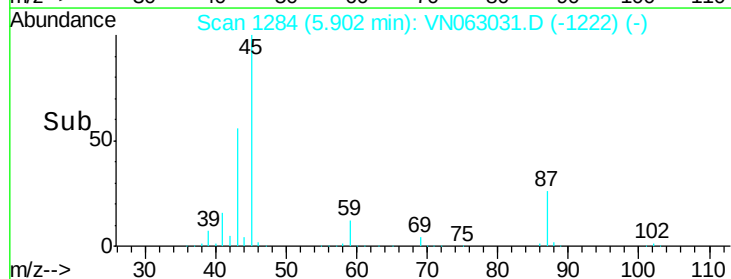
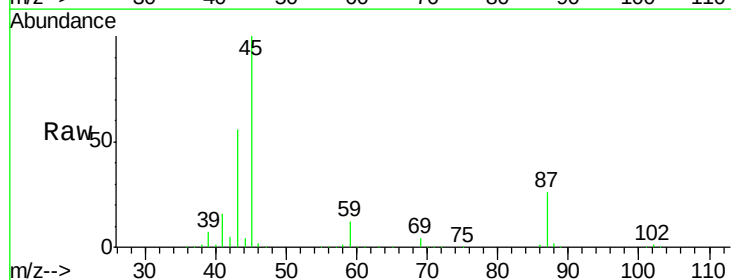
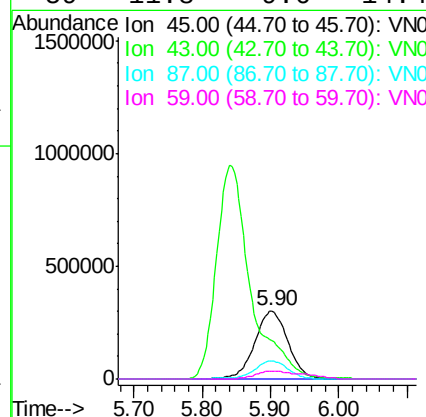
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

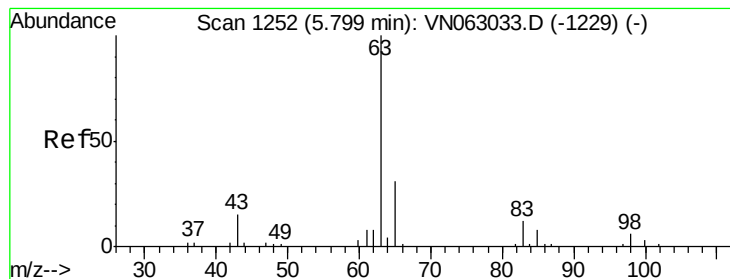
Tgt Ion: 96 Resp: 250987
Ion Ratio Lower Upper
96 100
61 143.9 115.9 173.9
98 63.9 53.3 79.9



#20
Diisopropyl ether
Concen: 154.115 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion: 45 Resp: 1022401
Ion Ratio Lower Upper
45 100
43 54.8 51.8 77.6
87 26.2 21.8 32.6
59 11.8 9.6 14.4





#21

1,1-Dichloroethane

Concen: 145.059 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

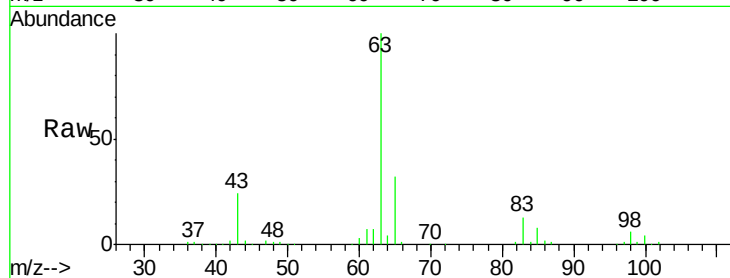
Tgt Ion: 63 Resp: 528141

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.3

100 3.9 1.8 5.3

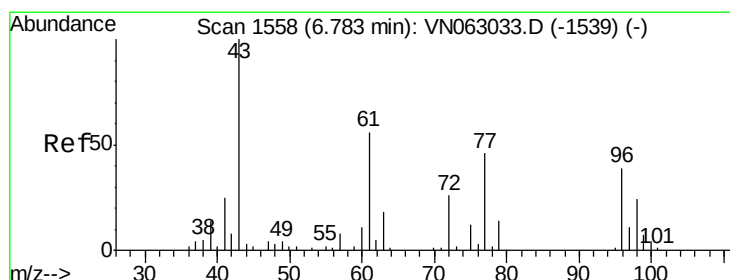
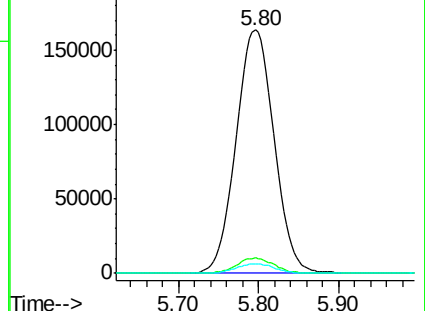
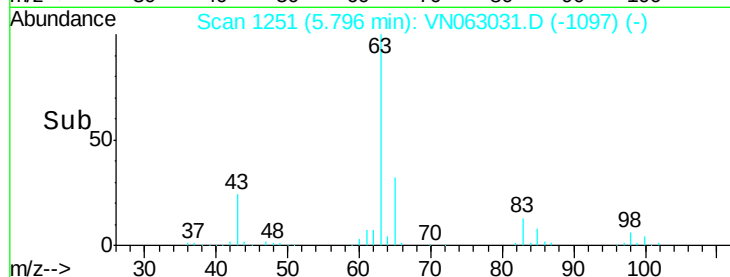


Abundance Ion 63.00 (62.70 to 63.70): VN063031.D (-1229) (-)

Ion 98.00 (97.70 to 98.70): VN063031.D (-1229) (-)

Ion 100.00 (99.70 to 100.70): VN063031.D (-1229) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 150.633 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

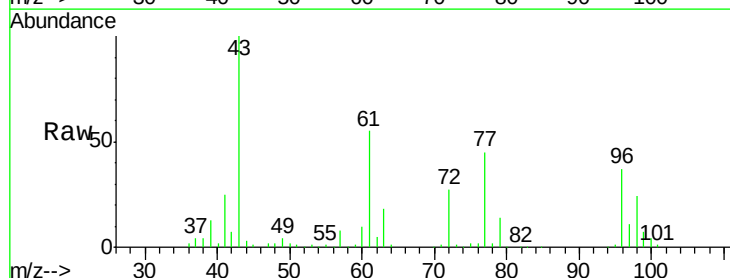
Tgt Ion: 96 Resp: 316861

Ion Ratio Lower Upper

96 100

61 148.5 120.9 181.3

98 64.5 50.3 75.5

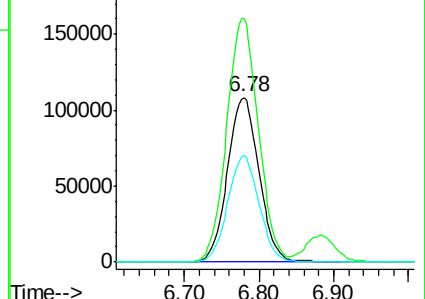
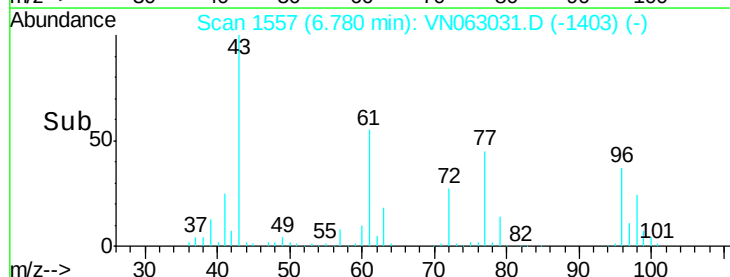


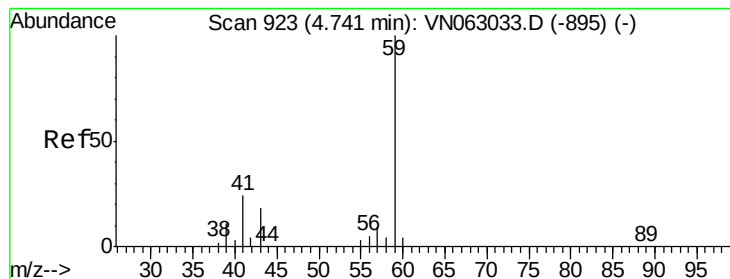
Abundance Ion 96.00 (95.70 to 96.70): VN063031.D (-1539) (-)

Ion 61.00 (60.70 to 61.70): VN063031.D (-1539) (-)

Ion 98.00 (97.70 to 98.70): VN063031.D (-1539) (-)

Time-->



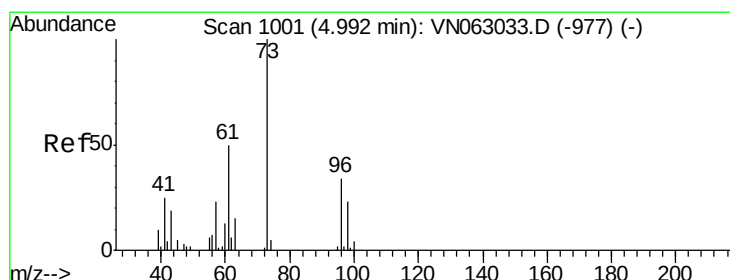
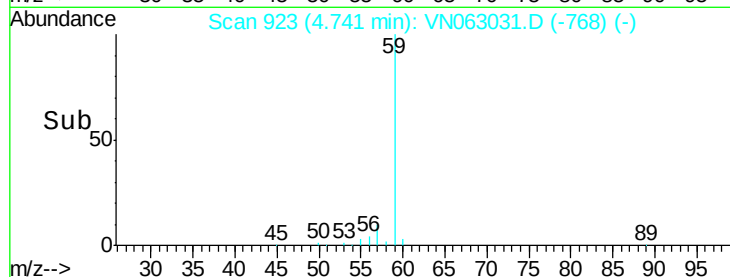
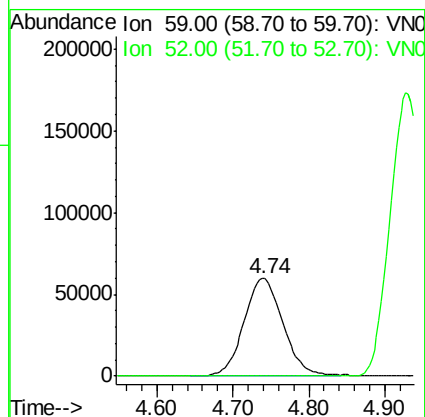
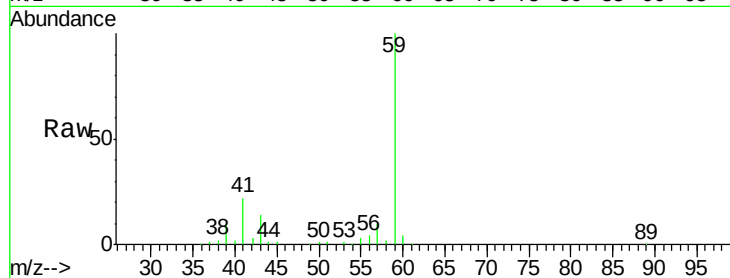


#23

tert-Butyl Alcohol
 Concen: 726.106 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

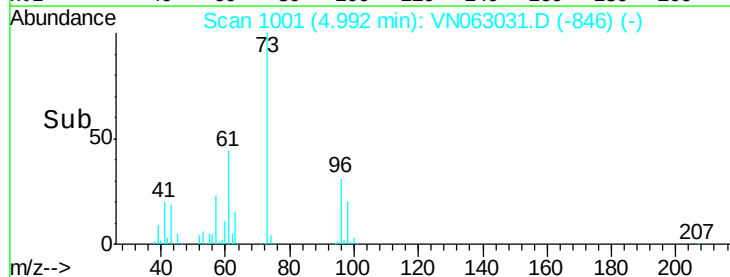
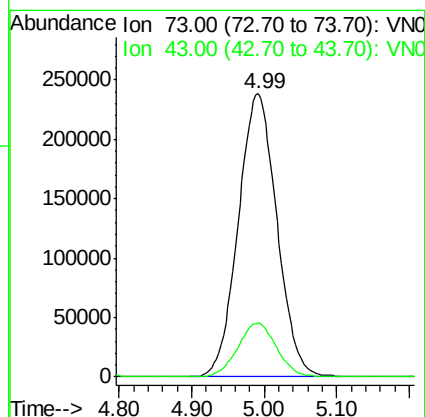
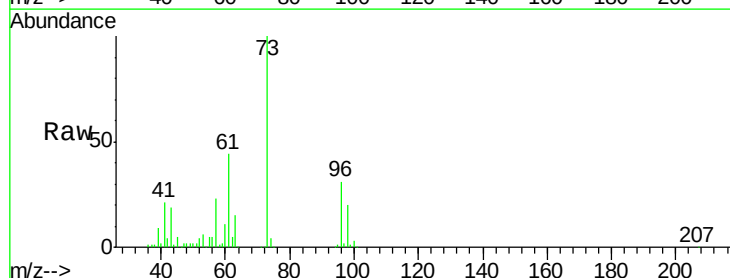
Tgt Ion: 59 Resp: 214320
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

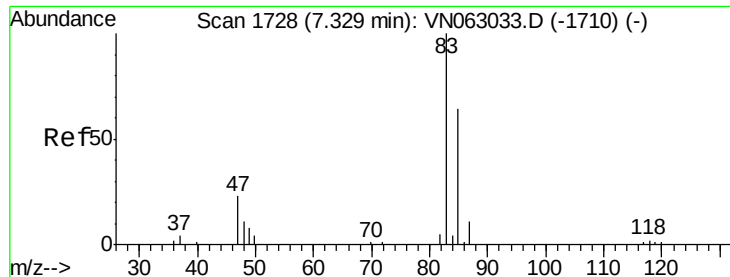


#24

Methyl tert-Butyl Ether
 Concen: 156.107 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Tgt Ion: 73 Resp: 884026
 Ion Ratio Lower Upper
 73 100
 43 18.8 15.8 23.6

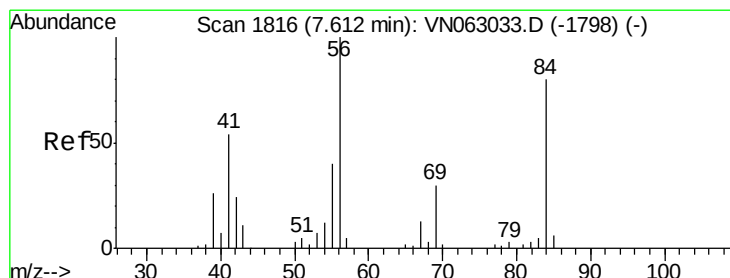
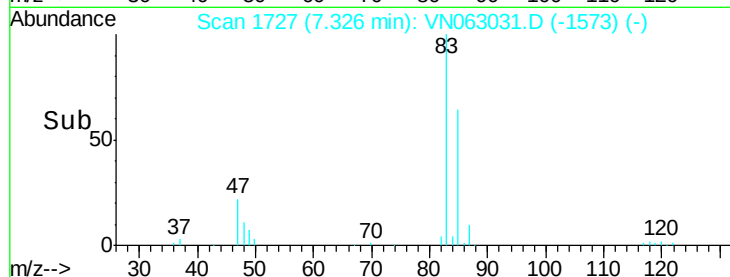
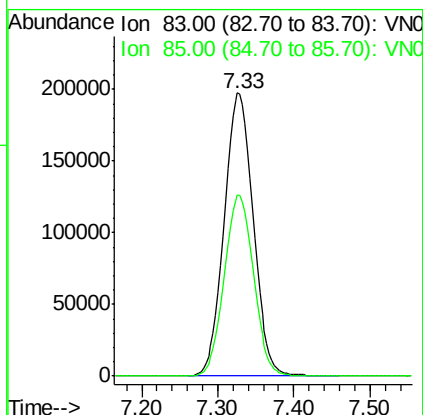
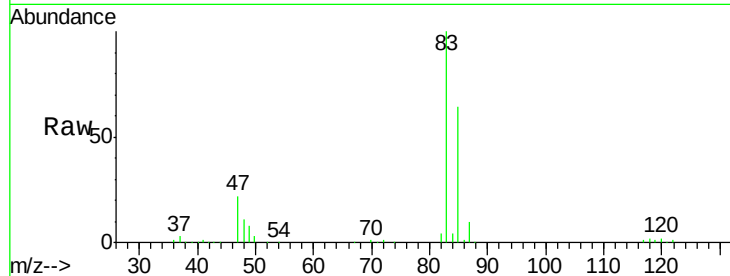




#25
Chloroform
Concen: 145.607 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

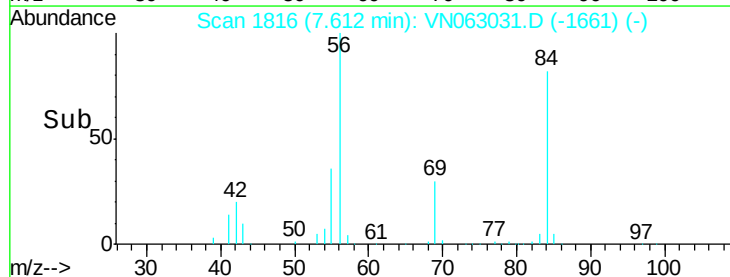
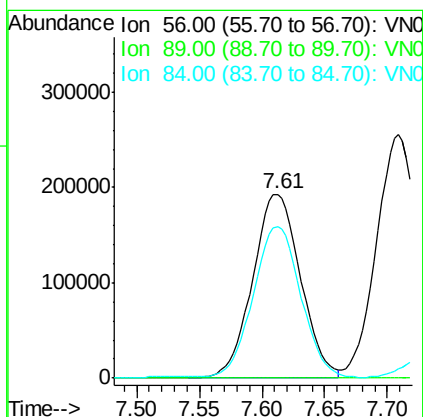
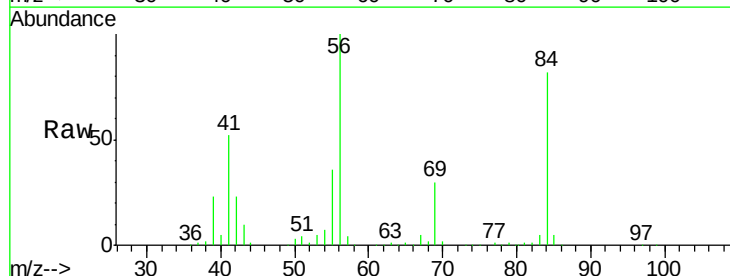
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

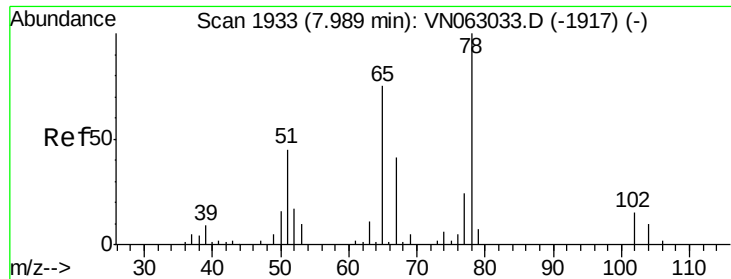
Tgt Ion: 83 Resp: 527957
Ion Ratio Lower Upper
83 100
85 63.9 51.0 76.4



#26
Cyclohexane
Concen: 162.958 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion: 56 Resp: 510751
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 82.7 65.0 97.4

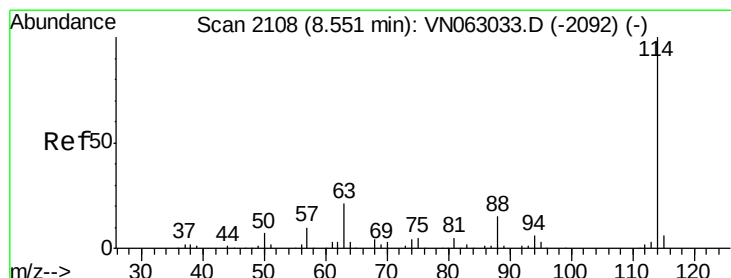
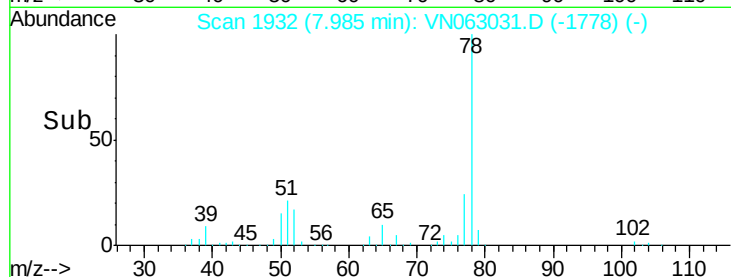
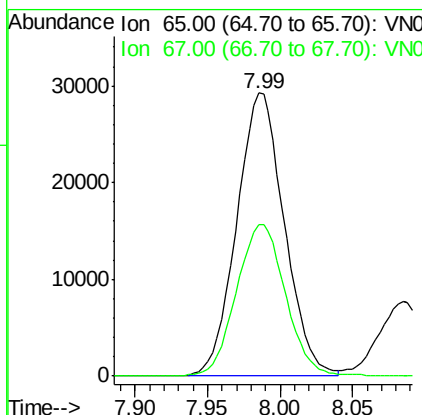
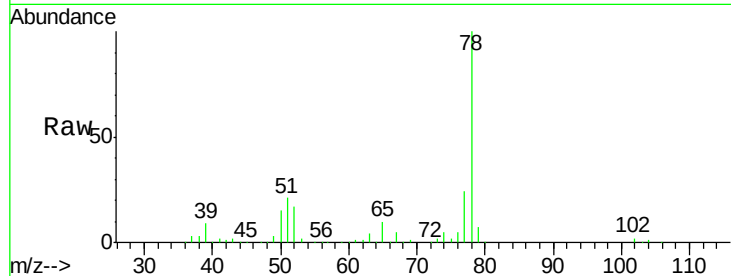




#27
 1,2-Dichloroethane-d4
 Concen: 28.541 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

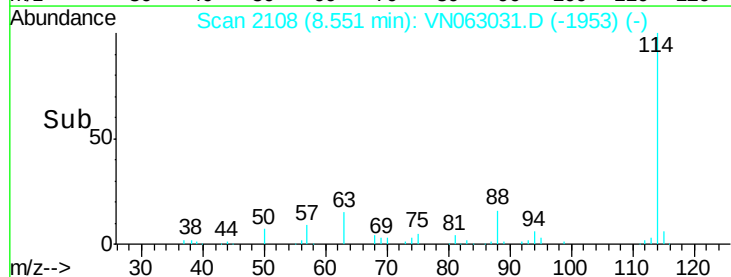
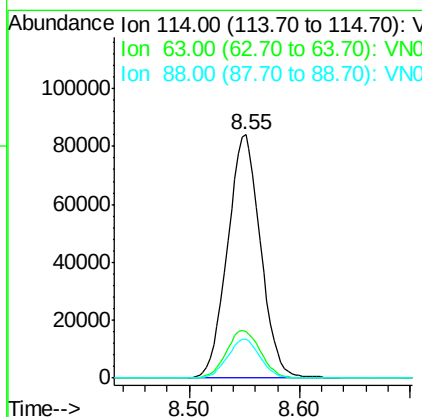
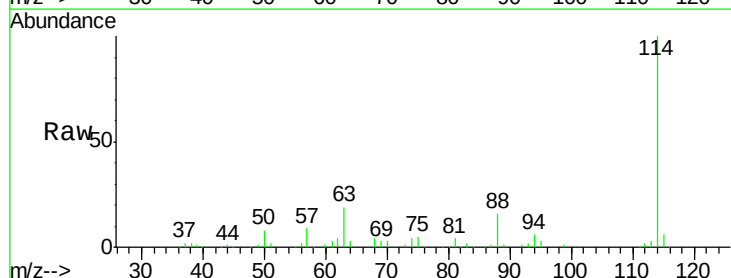
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

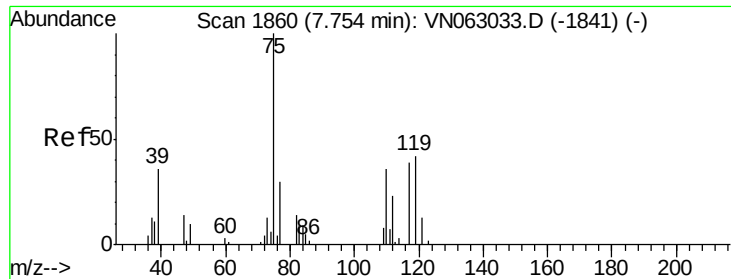
Tgt Ion: 65 Resp: 66892
 Ion Ratio Lower Upper
 65 100
 67 55.0 43.8 65.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Tgt Ion: 114 Resp: 174530
 Ion Ratio Lower Upper
 114 100
 63 20.3 17.0 25.6
 88 15.7 12.6 18.8





#29

1,1-Dichloropropene

Concen: 150.005 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

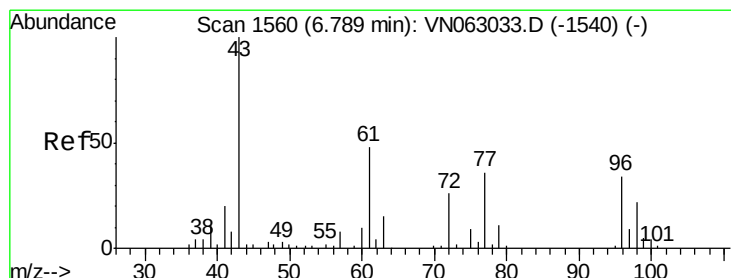
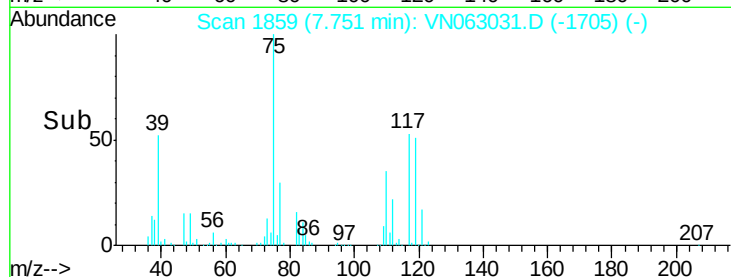
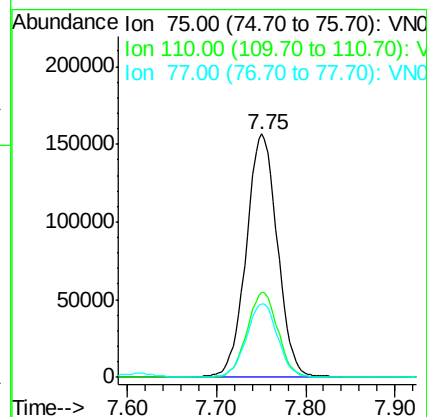
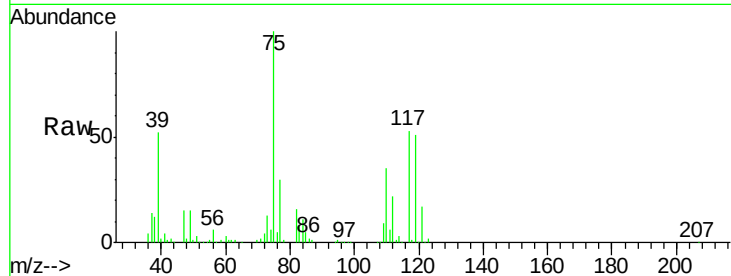
Tgt Ion: 75 Resp: 380201

Ion Ratio Lower Upper

75 100

110 34.6 0.0 70.6

77 30.5 0.0 60.2



#30

2-Butanone

Concen: 732.185 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

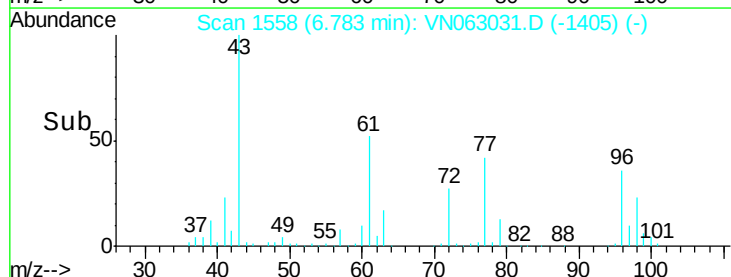
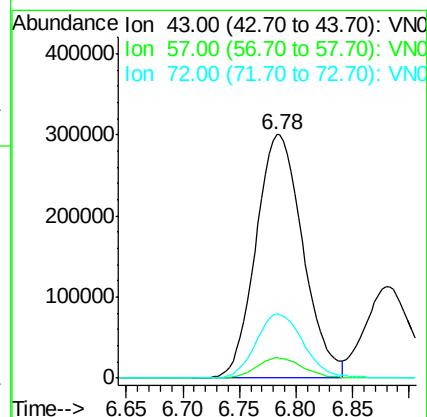
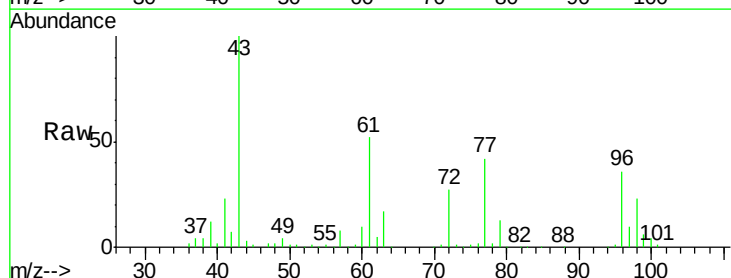
Tgt Ion: 43 Resp: 864974

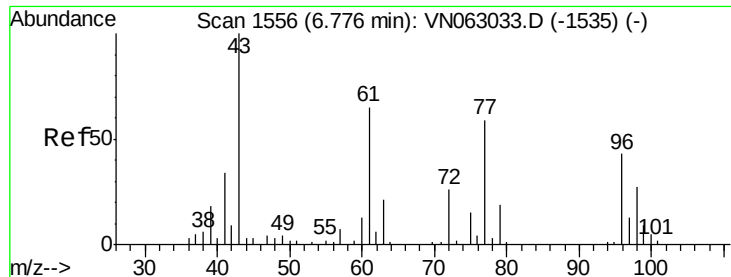
Ion Ratio Lower Upper

43 100

57 8.3 6.6 9.8

72 27.0 21.3 31.9

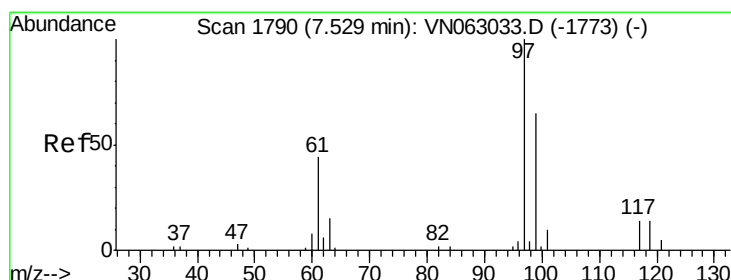
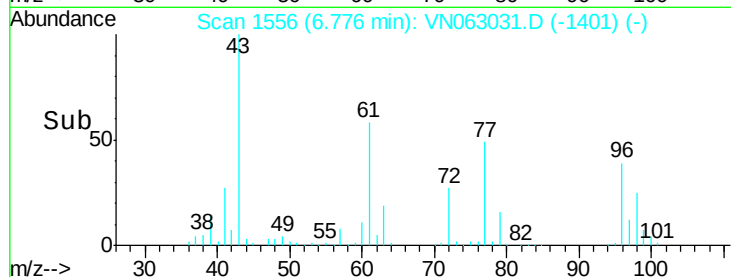
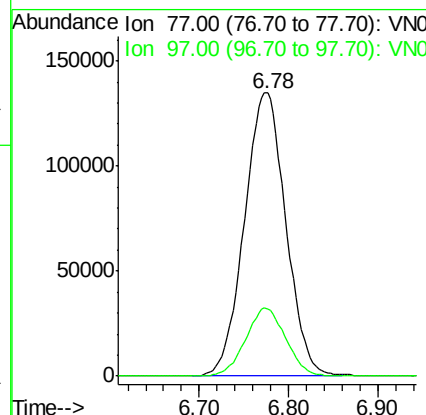
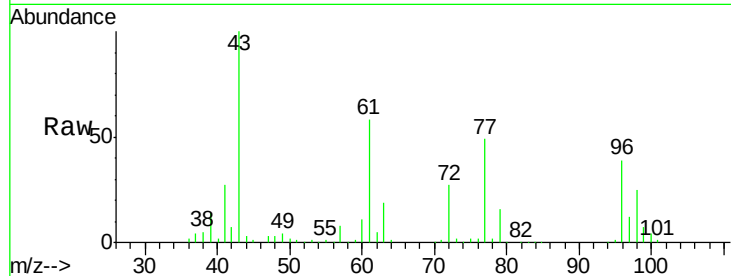




#31
 2,2-Dichloropropane
 Concen: 141.331 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

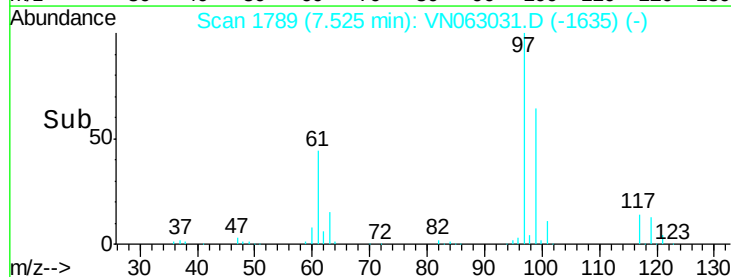
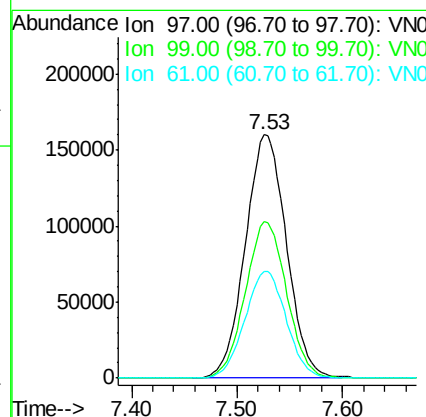
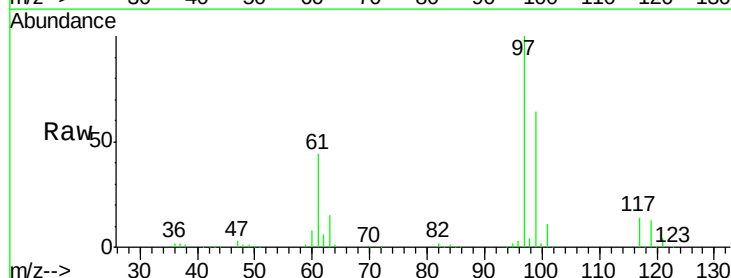
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

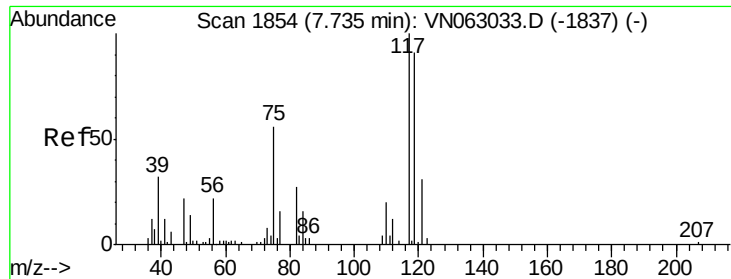
Tgt Ion: 77 Resp: 435415
 Ion Ratio Lower Upper
 77 100
 97 23.3 18.2 27.4



#32
 1,1,1-Trichloroethane
 Concen: 142.523 ug/l
 RT: 7.53 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Tgt Ion: 97 Resp: 435084
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.7 77.5
 61 44.1 35.3 52.9

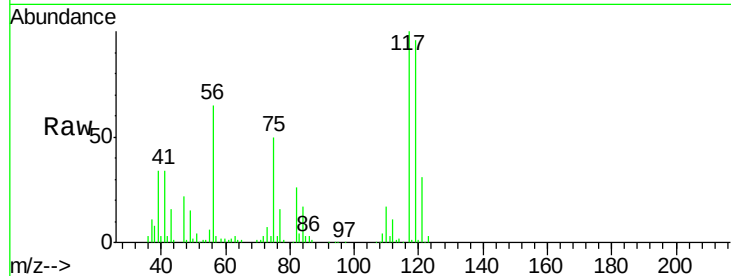




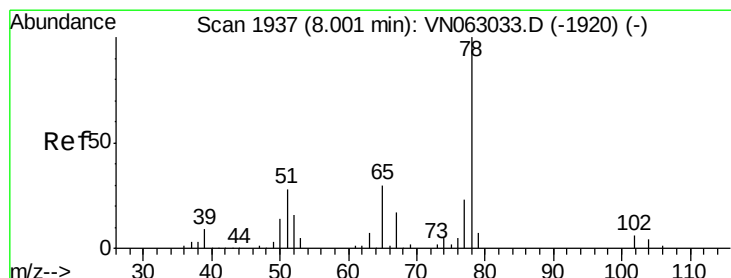
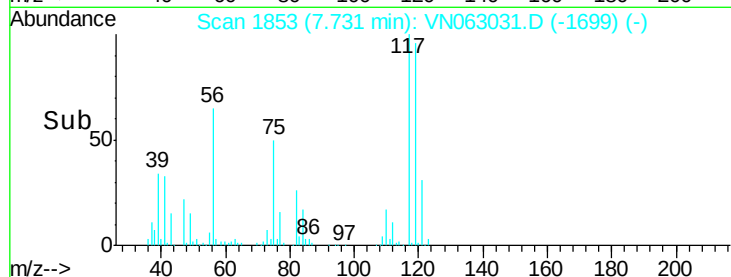
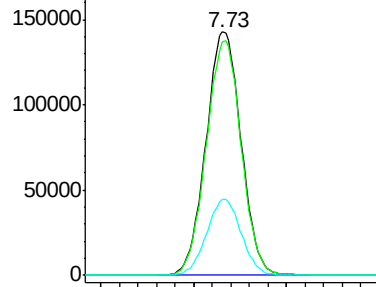
#33
Carbon Tetrachloride
Concen: 144.634 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 117 Resp: 375979
Ion Ratio Lower Upper
117 100
119 95.7 73.0 109.4
121 31.4 24.9 37.3

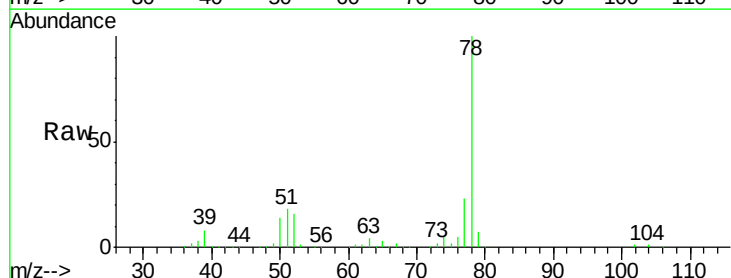


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

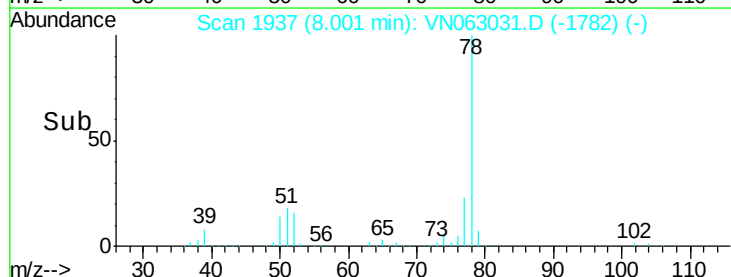
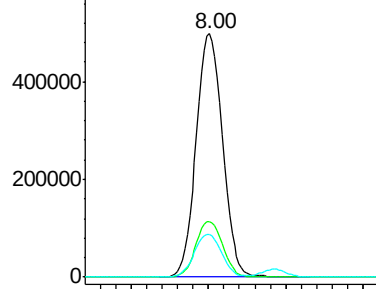


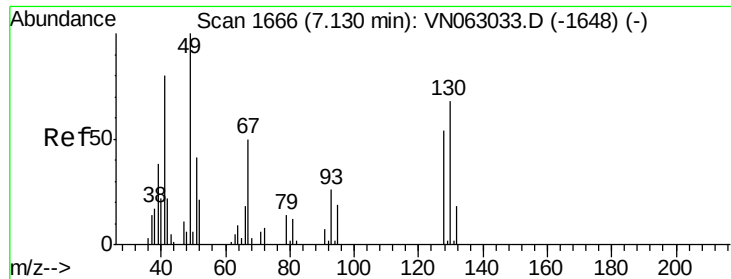
#34
Benzene
Concen: 145.664 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion: 78 Resp: 1183142
Ion Ratio Lower Upper
78 100
77 22.9 18.6 27.8
51 17.5 22.2 33.2#



Abundance Ion 78.10 (77.80 to 78.80): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 51.00 (50.70 to 51.70): VNO

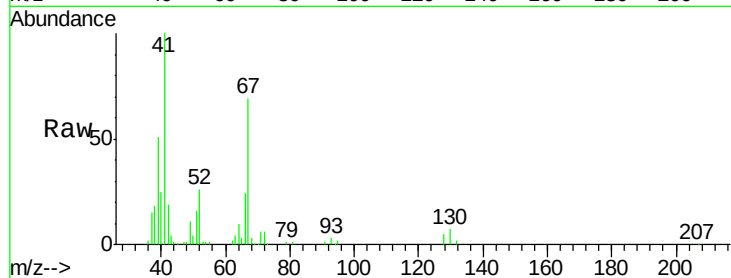




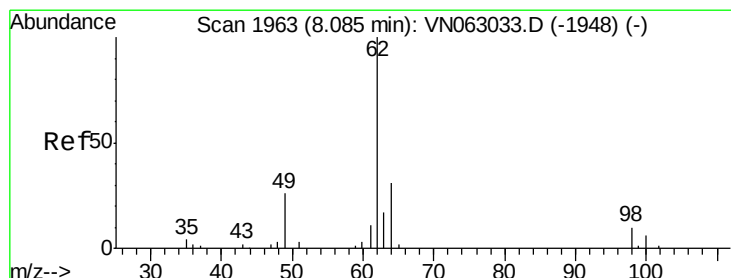
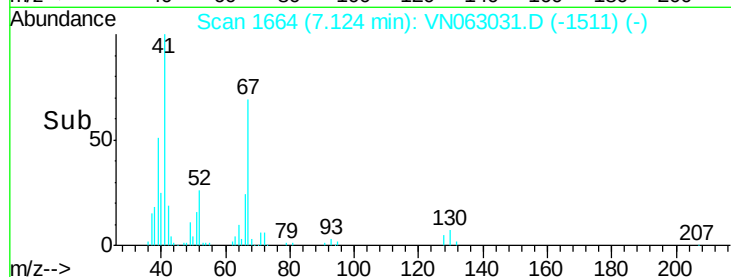
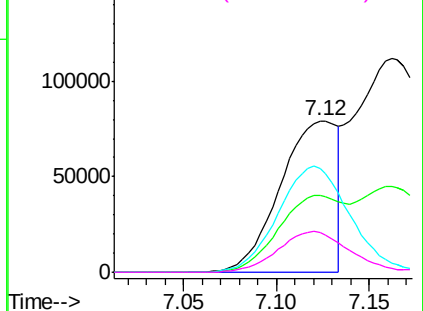
#35
Methacrylonitrile
Concen: 153.765 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion: 41 Resp: 169405
Ion Ratio Lower Upper
41 100
39 51.1 23.7 71.1
67 68.9 31.6 94.7
52 25.9 13.1 39.3

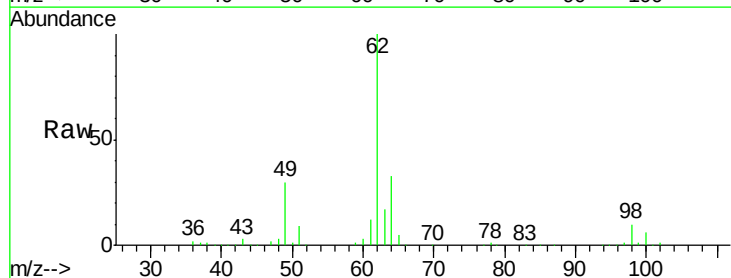


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

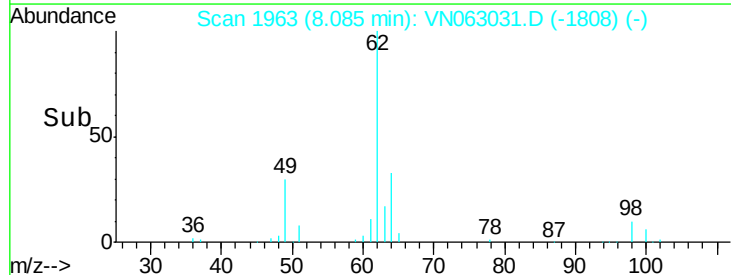
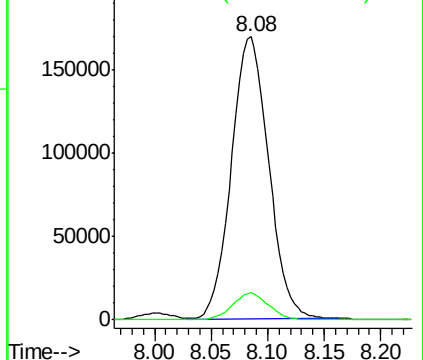


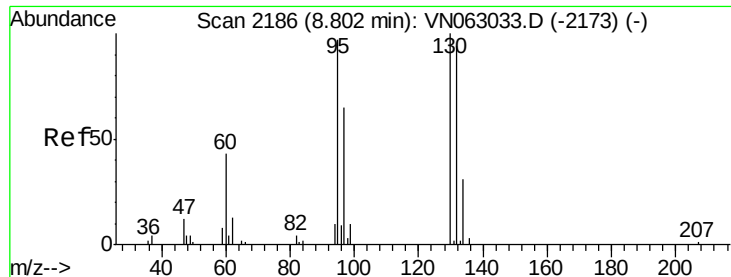
#36
1,2-Dichloroethane
Concen: 140.424 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion: 62 Resp: 389123
Ion Ratio Lower Upper
62 100
98 9.3 7.6 11.4



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





#37

Trichloroethene

Concen: 145.996 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

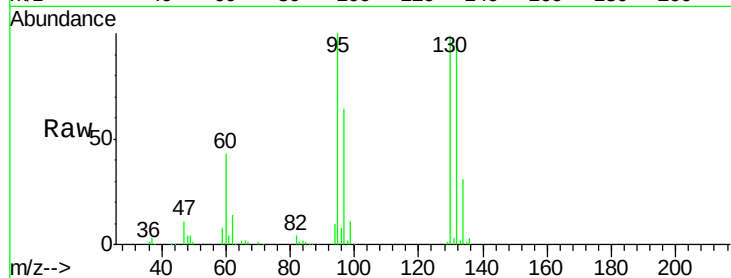
VSTDIC150

Tgt Ion:130 Resp: 290409

Ion Ratio Lower Upper

130 100

95 101.3 78.9 118.3



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

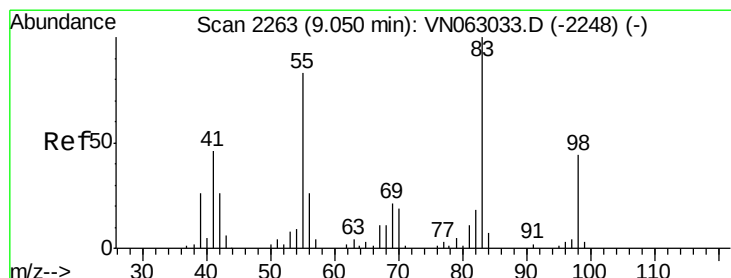
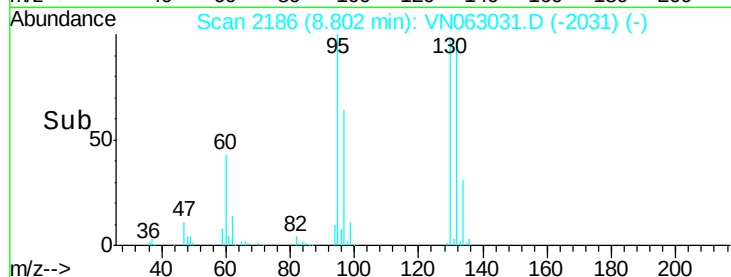
150000

100000

50000

0

Time--> 8.70 8.80 8.90



#38

Methylcyclohexane

Concen: 163.568 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

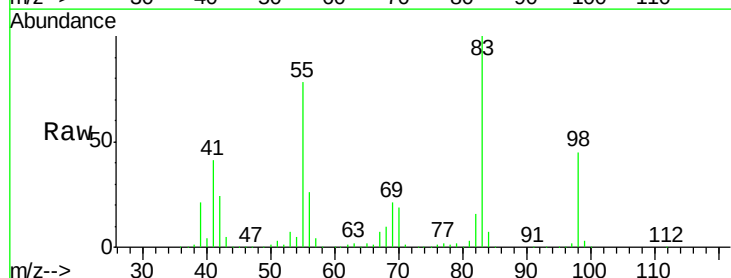
Tgt Ion: 83 Resp: 520003

Ion Ratio Lower Upper

83 100

55 78.7 41.9 125.7

98 44.3 22.2 66.6



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

9.05

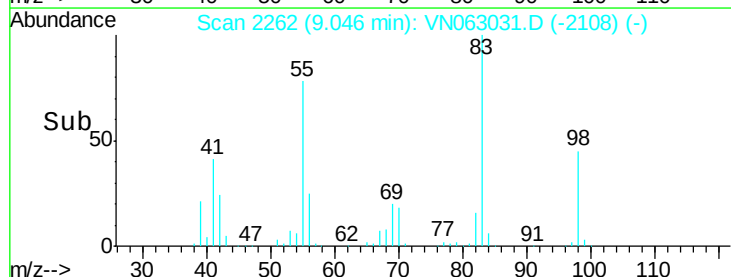
300000

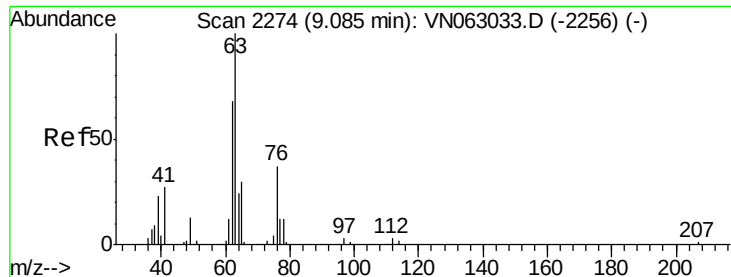
200000

100000

0

Time--> 9.00 9.10





#39

1,2-Dichloropropane

Concen: 145.149 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

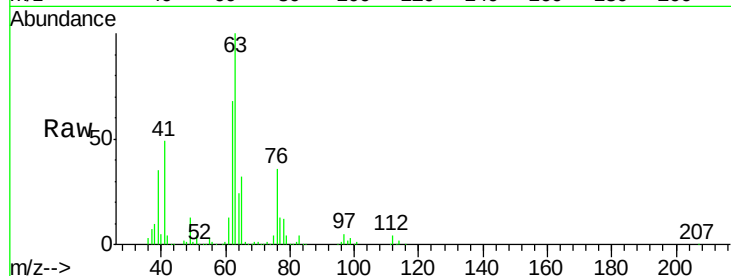
VSTDIC150

Tgt Ion: 63 Resp: 343123

Ion Ratio Lower Upper

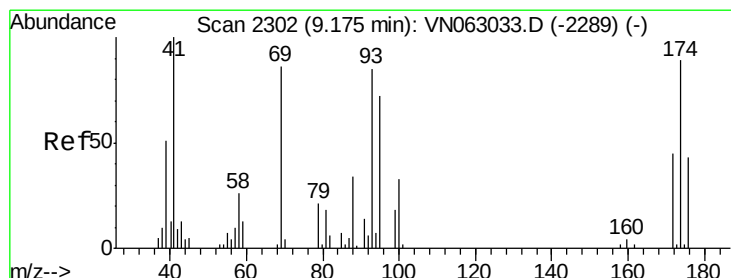
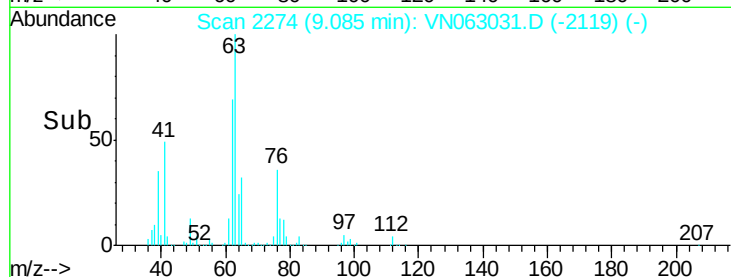
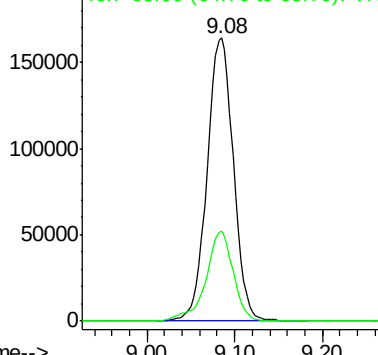
63 100

65 31.7 25.1 37.7



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 143.249 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

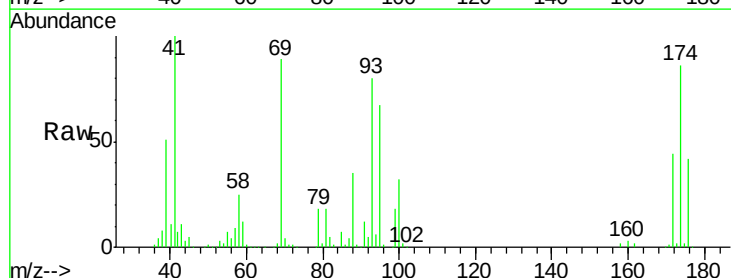
Tgt Ion: 93 Resp: 196610

Ion Ratio Lower Upper

93 100

95 84.7 0.0 168.2

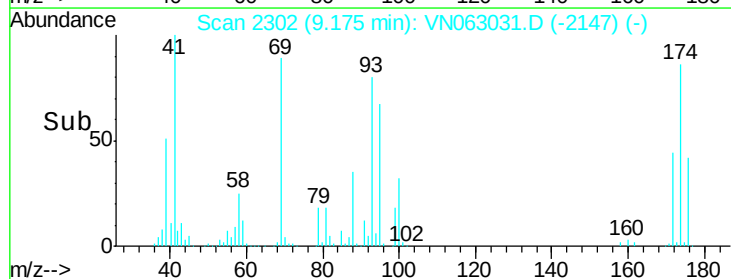
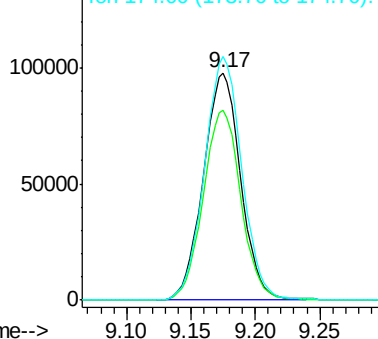
174 107.4 0.0 208.4

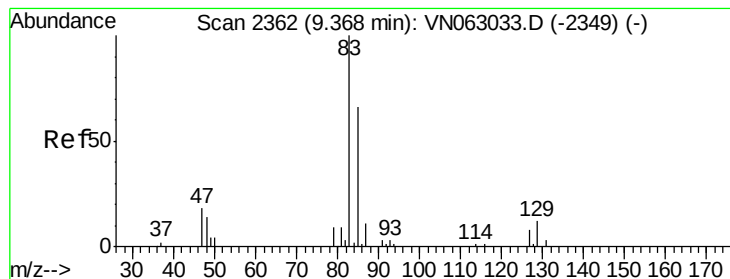


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 145.841 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

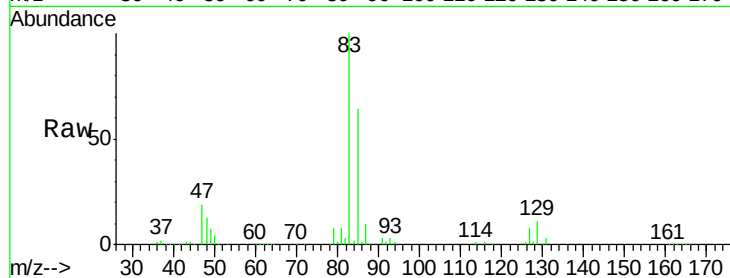
Tgt Ion: 83 Resp: 443573

Ion Ratio Lower Upper

83 100

85 63.7 52.6 79.0

127 8.5 7.4 11.0

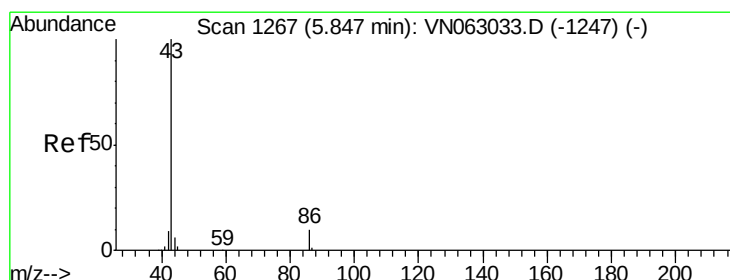
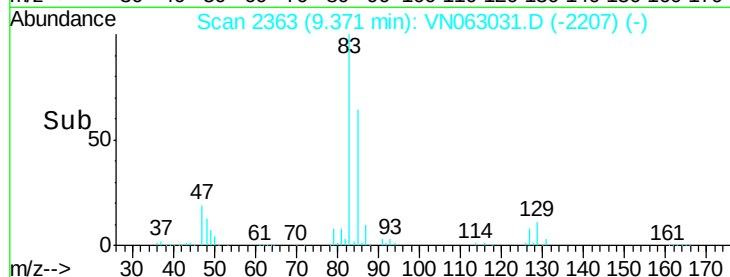


Abundance Ion 83.00 (82.70 to 83.70): VN063033.D (-2349) (-)

Ion 85.00 (84.70 to 85.70): VN063033.D (-2349) (-)

Ion 127.00 (126.70 to 127.70): VN063033.D (-2349) (-)

Time-->



#42

Vinyl Acetate

Concen: 742.210 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN063031.D

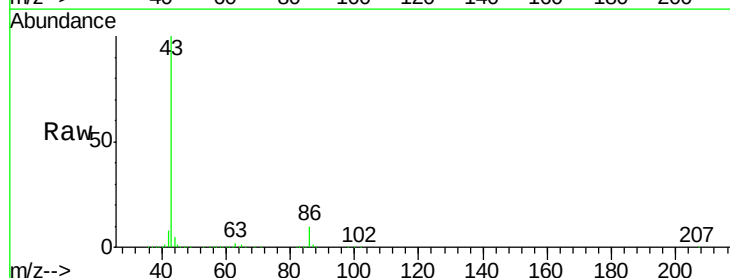
Acq: 20 Aug 2020 11:48

Tgt Ion: 43 Resp: 3321585

Ion Ratio Lower Upper

43 100

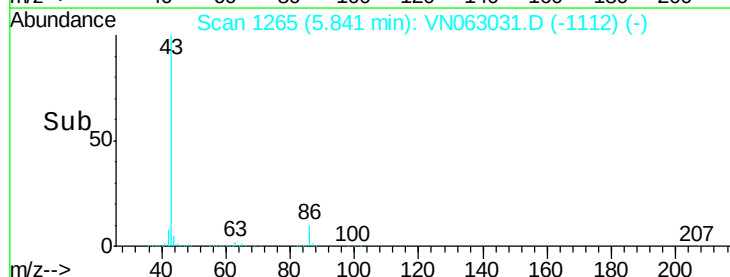
86 8.7 6.7 10.1

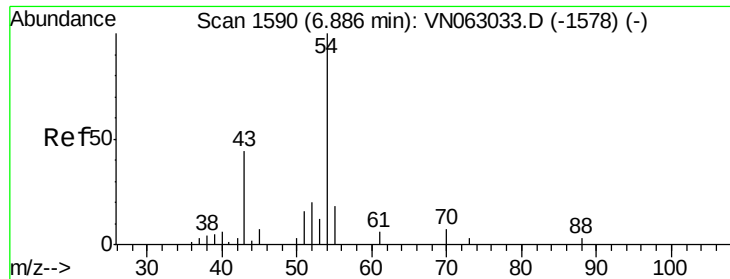


Abundance Ion 43.00 (42.70 to 43.70): VN063033.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN063033.D (-1247) (-)

Time-->

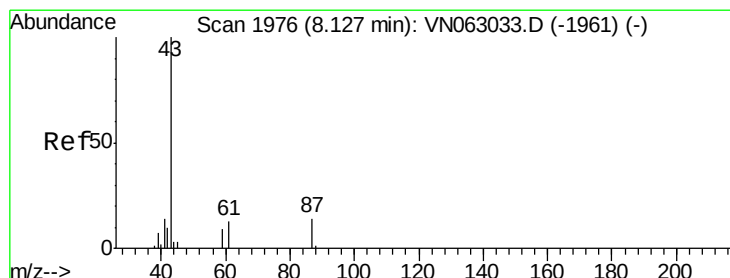
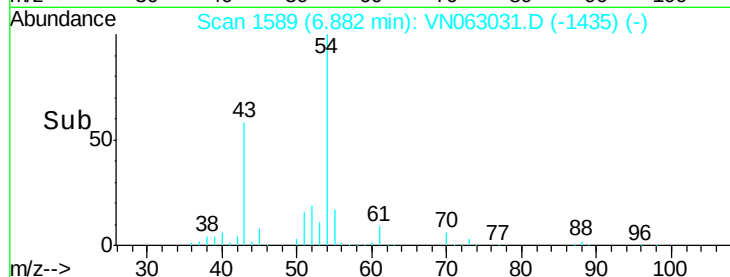
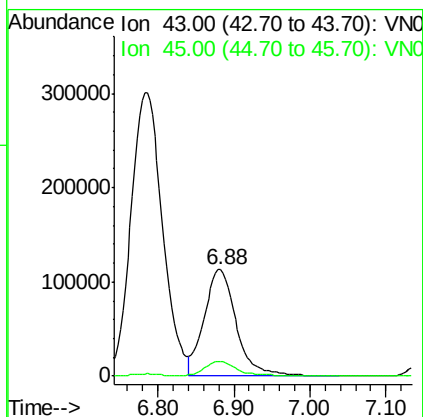
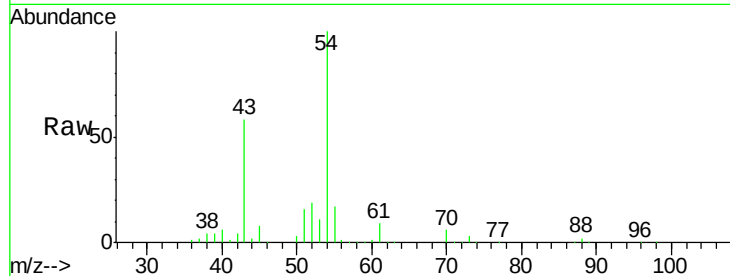




#43
Ethyl Acetate
Concen: 145.597 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

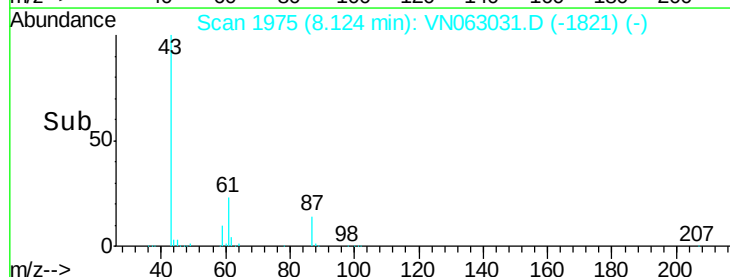
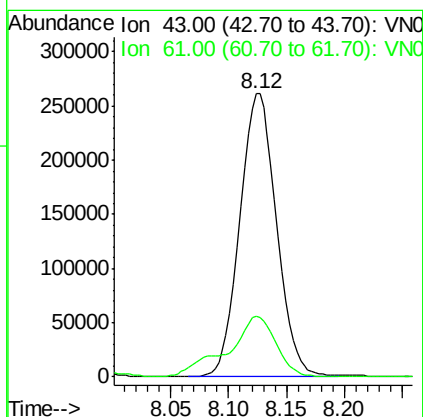
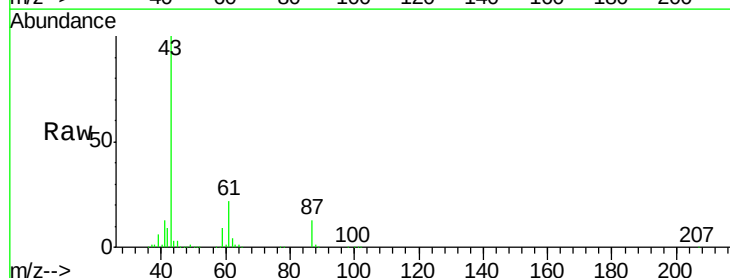
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

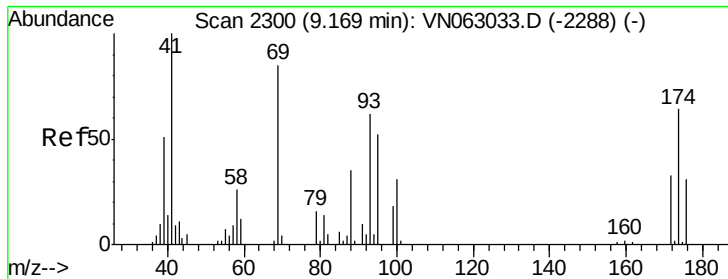
Tgt Ion: 43 Resp: 328300
Ion Ratio Lower Upper
43 100
45 14.3 11.3 16.9



#44
Isopropyl Acetate
Concen: 151.842 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion: 43 Resp: 574775
Ion Ratio Lower Upper
43 100
61 20.5 17.5 26.3

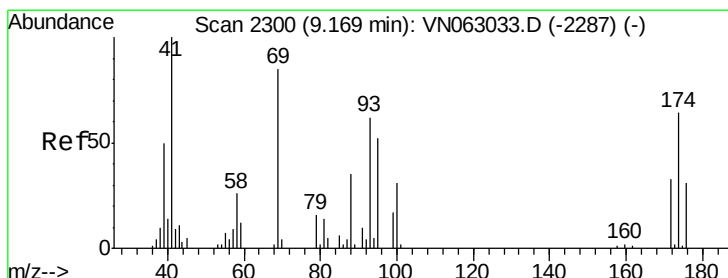
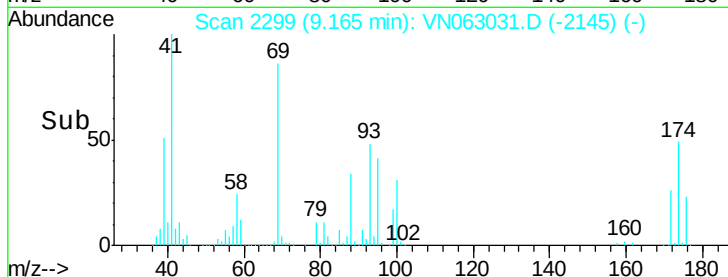
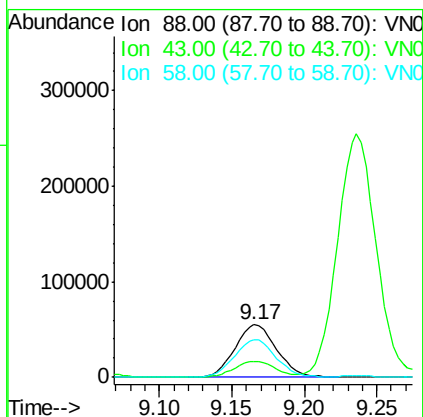
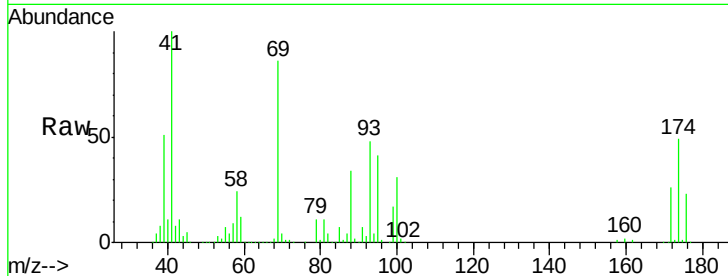




#45
 1,4-Dioxane
 Concen: 3110.832 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

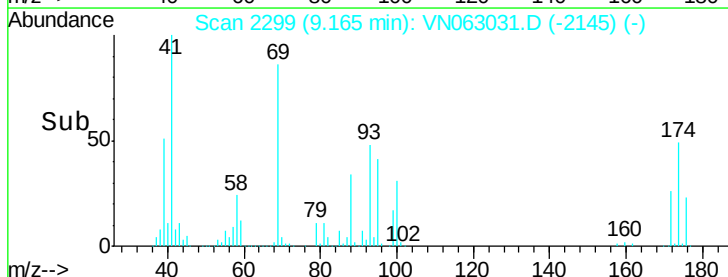
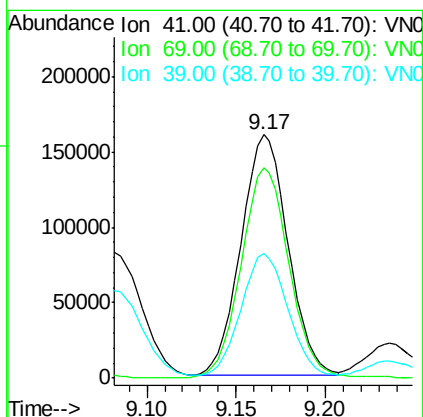
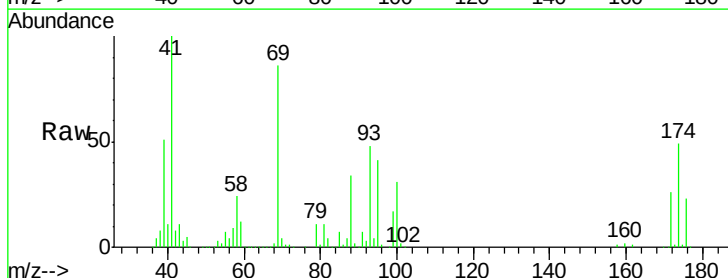
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

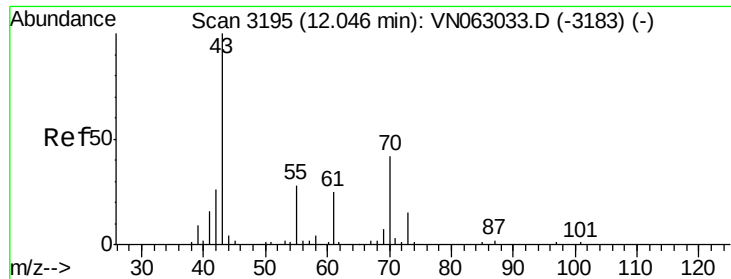
Tgt Ion: 88 Resp: 110288
 Ion Ratio Lower Upper
 88 100
 43 30.1 28.5 42.7
 58 71.7 59.6 89.4



#46
 Methyl methacrylate
 Concen: 157.441 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Tgt Ion: 41 Resp: 293421
 Ion Ratio Lower Upper
 41 100
 69 87.3 42.6 128.0
 39 50.5 25.1 75.4





#47

n-amyl Acetate

Concen: 166.763 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

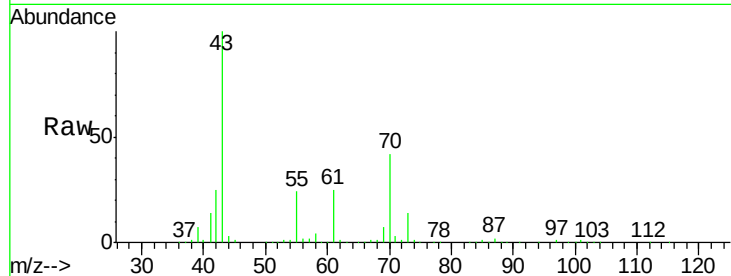
VSTDIC150

Tgt Ion: 43 Resp: 560278

Ion Ratio Lower Upper

43 100

55 24.5 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN063033.D (-3183) (-)

Ion 55.00 (54.70 to 55.70): VN063033.D (-3183) (-)

12.05

400000

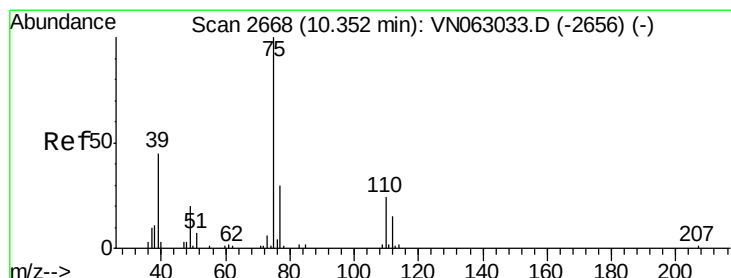
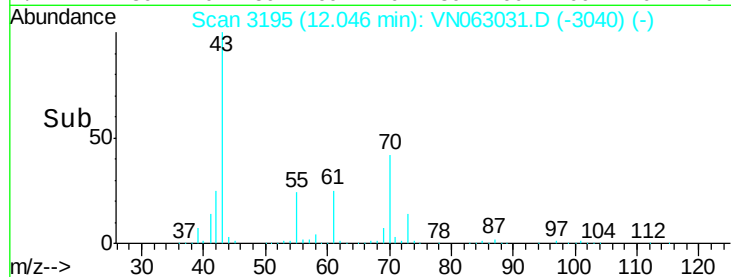
300000

200000

100000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 154.455 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN063031.D

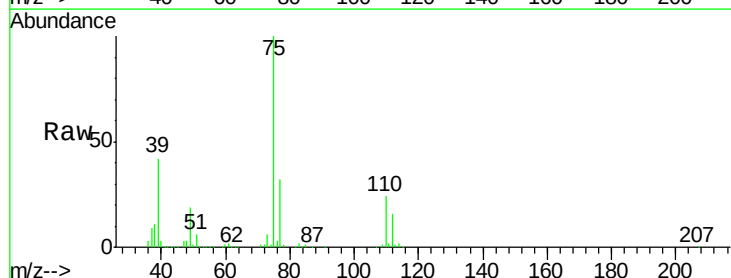
Acq: 20 Aug 2020 11:48

Tgt Ion: 75 Resp: 496143

Ion Ratio Lower Upper

75 100

77 31.8 23.8 35.8



Abundance Ion 75.00 (74.70 to 75.70): VN063033.D (-2656) (-)

Ion 77.00 (76.70 to 77.70): VN063033.D (-2656) (-)

10.35

300000

250000

200000

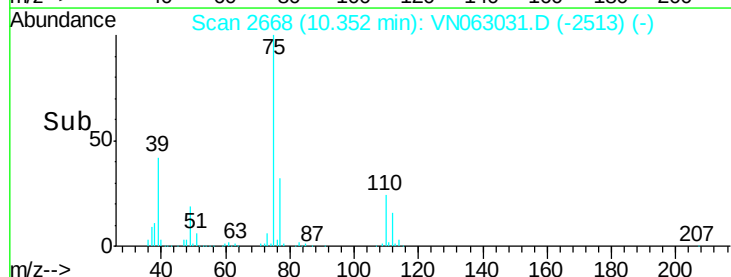
150000

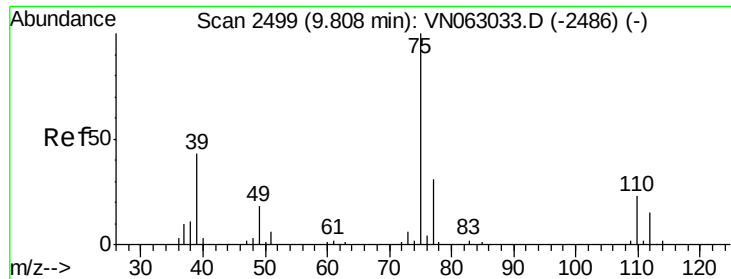
100000

50000

0

Time-->



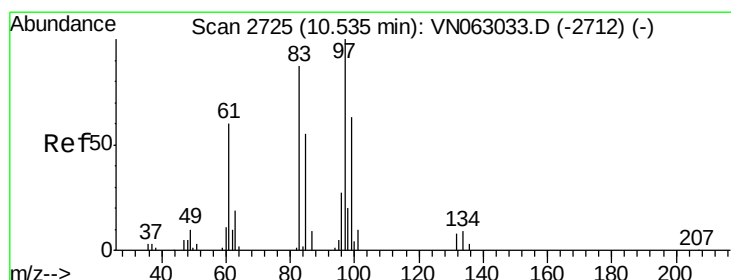
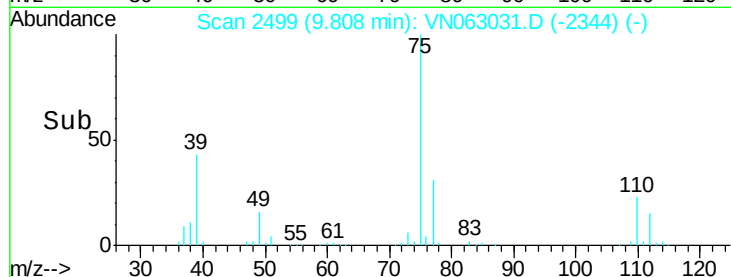
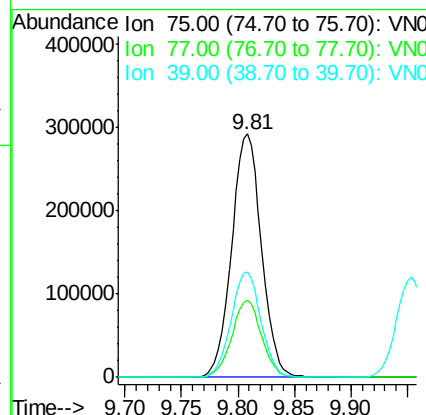
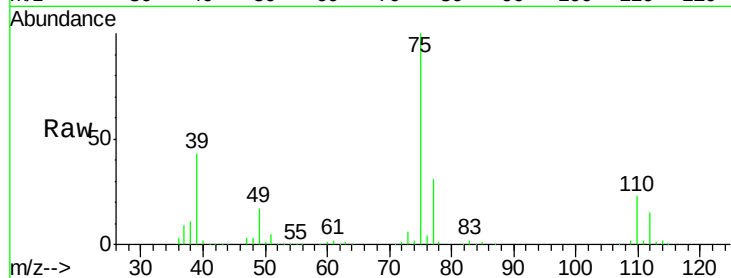


#49

cis-1,3-Dichloropropene
Concen: 153.450 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

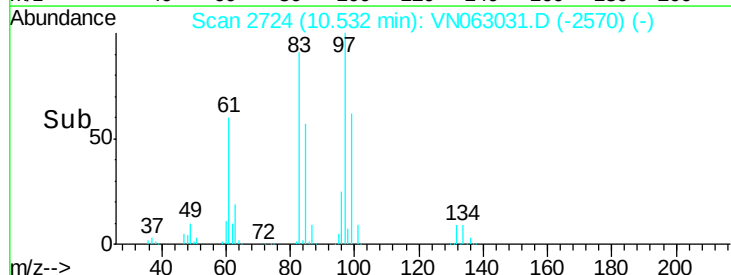
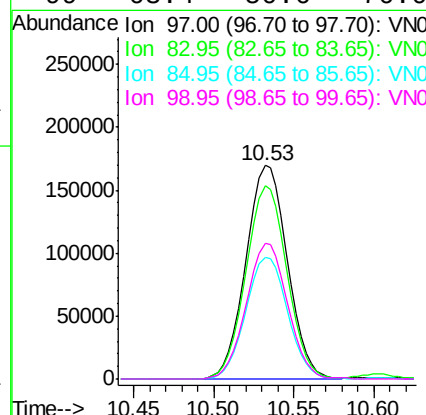
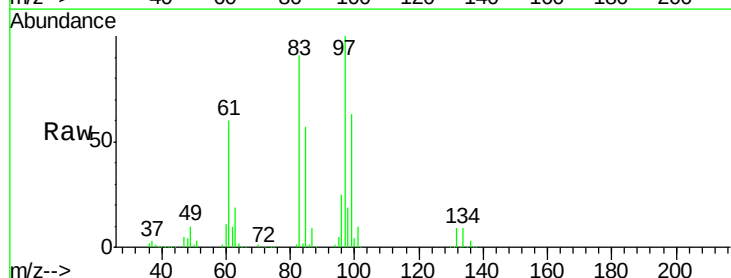
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2
39	43.3	34.5	51.7

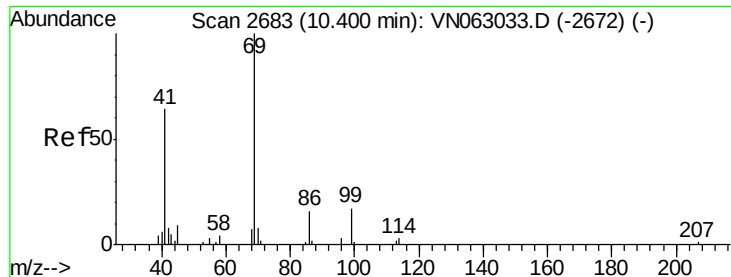


#50

1,1,2-Trichloroethane
Concen: 141.922 ug/l
RT: 10.53 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.5	69.9	104.9
85	57.2	44.0	66.0
99	63.4	50.6	76.0





#51

Ethyl methacrylate

Concen: 163.910 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

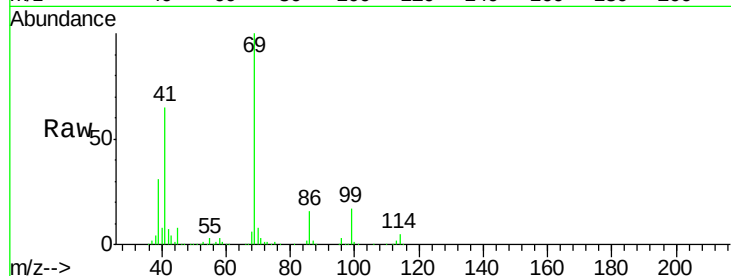
Tgt Ion: 69 Resp: 471919

Ion Ratio Lower Upper

69 100

41 65.1 32.1 96.5

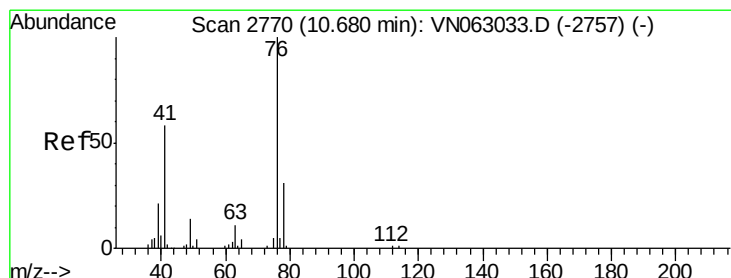
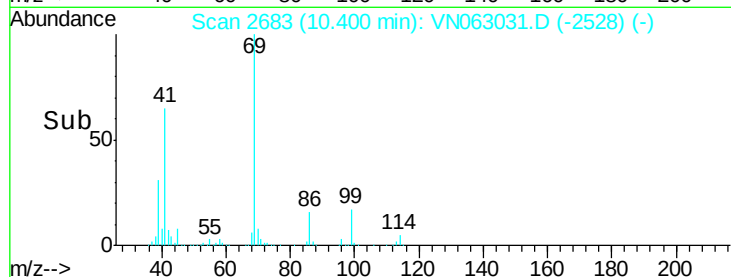
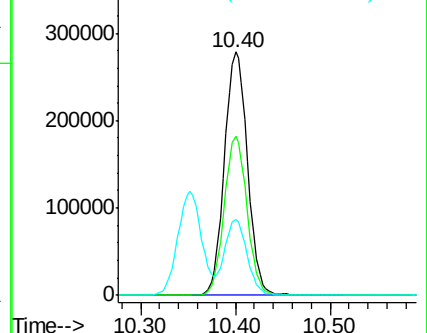
39 31.0 16.1 48.3



Abundance Ion 69.00 (68.70 to 69.70): VN063033.D (-2672) (-)

Ion 41.00 (40.70 to 41.70): VN063033.D (-2672) (-)

Ion 39.00 (38.70 to 39.70): VN063033.D (-2672) (-)



#52

1,3-Dichloropropane

Concen: 147.228 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN063031.D

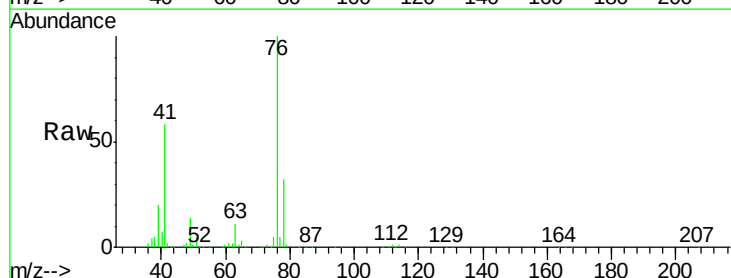
Acq: 20 Aug 2020 11:48

Tgt Ion: 76 Resp: 514742

Ion Ratio Lower Upper

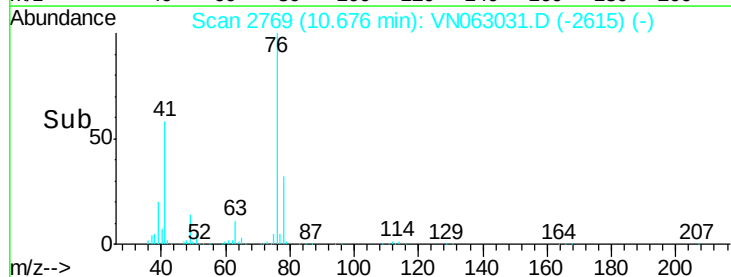
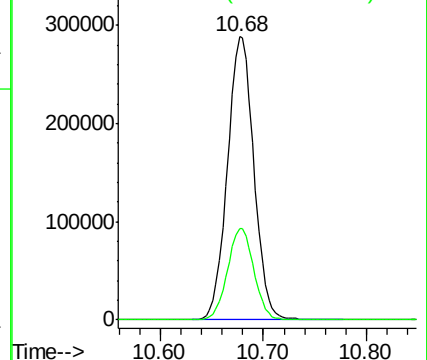
76 100

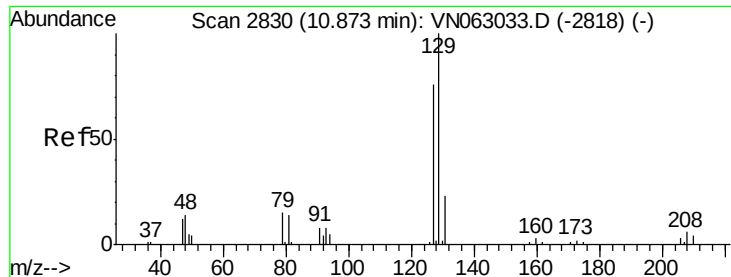
78 32.3 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN063033.D (-2757) (-)

Ion 78.00 (77.70 to 78.70): VN063033.D (-2757) (-)

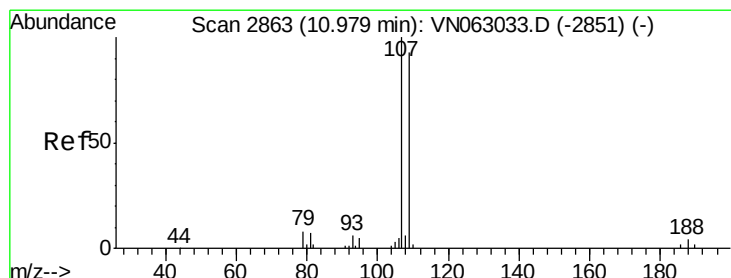
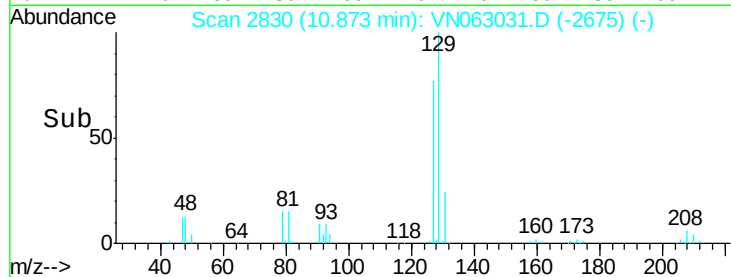
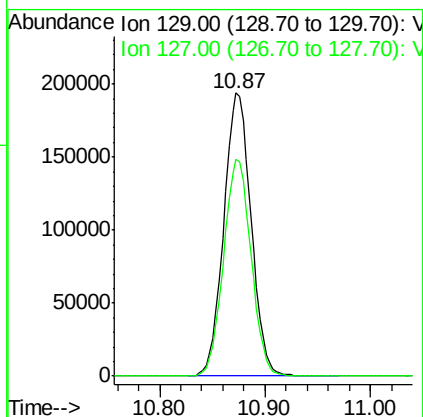
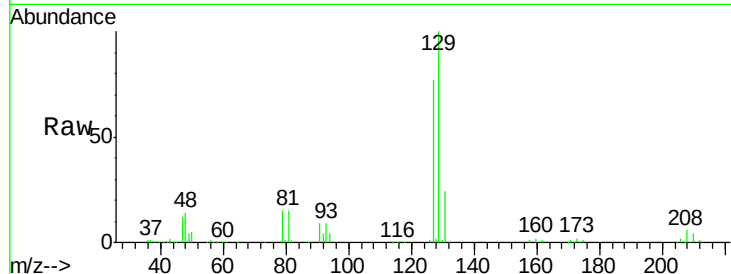




#53
 Dibromochloromethane
 Concen: 149.506 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

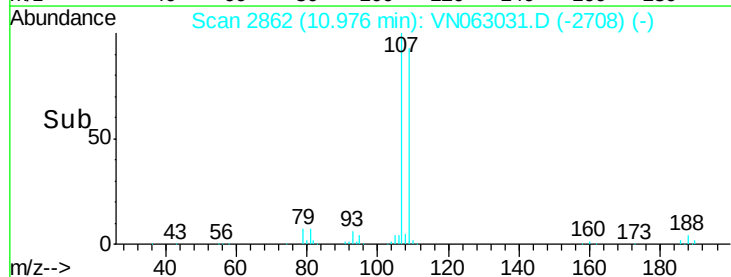
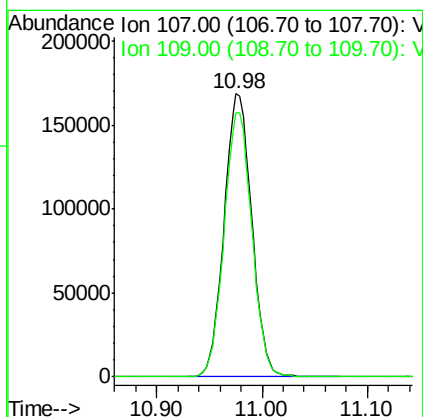
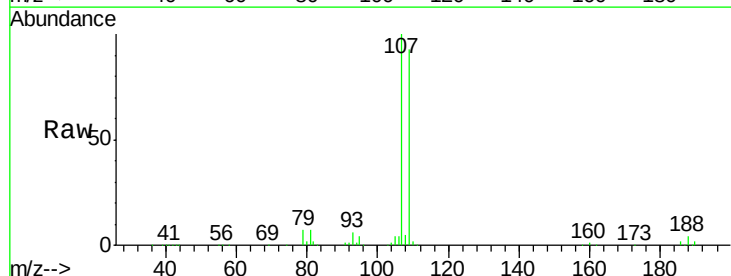
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

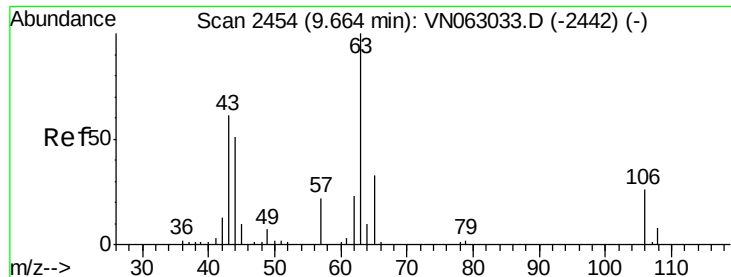
Tgt Ion:129 Resp: 347186
 Ion Ratio Lower Upper
 129 100
 127 77.2 38.7 116.1



#54
 1,2-Dibromoethane
 Concen: 150.285 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Tgt Ion:107 Resp: 305093
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.3 114.5

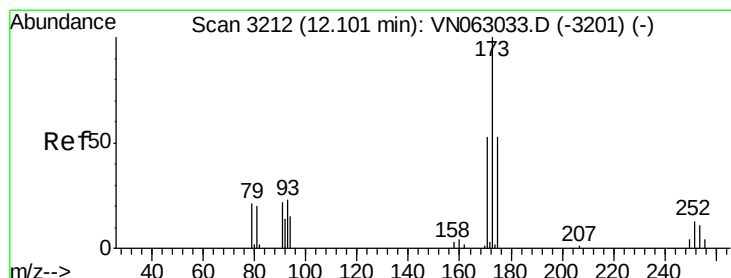
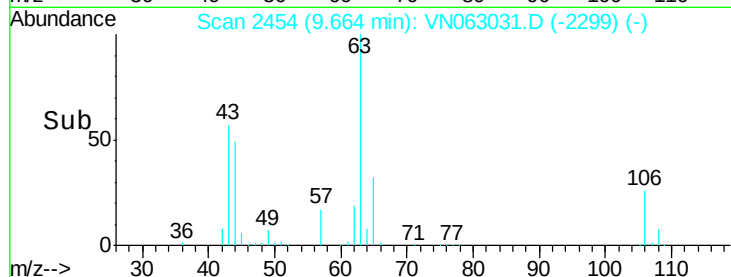
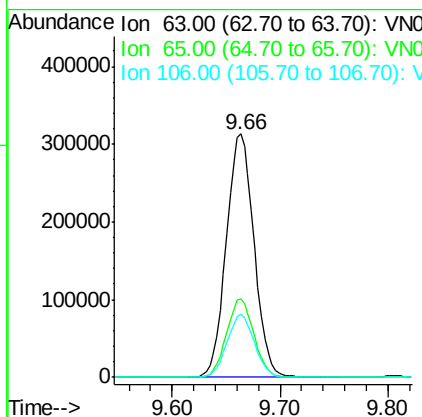
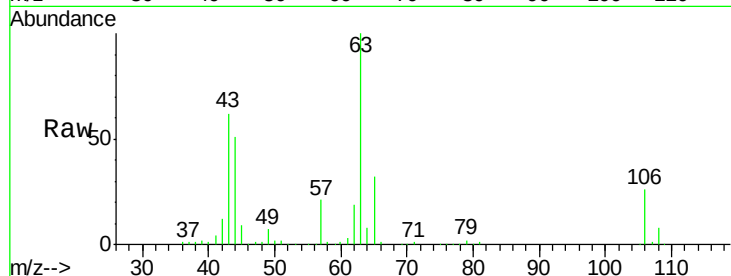




#55
 2-Chloroethyl vinyl ether
 Concen: 949.522 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

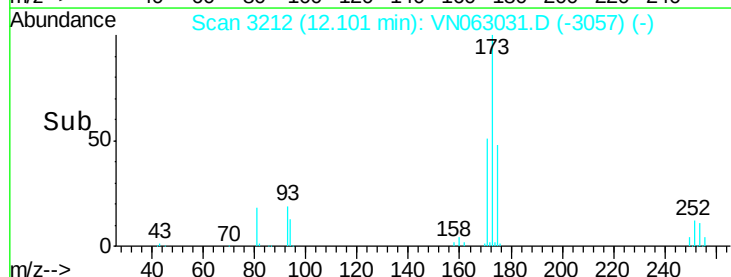
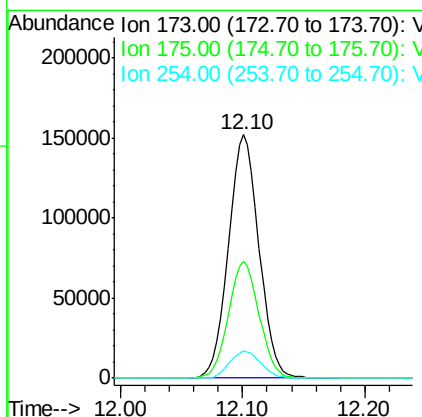
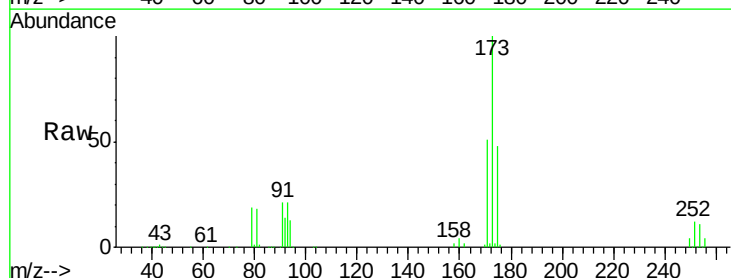
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

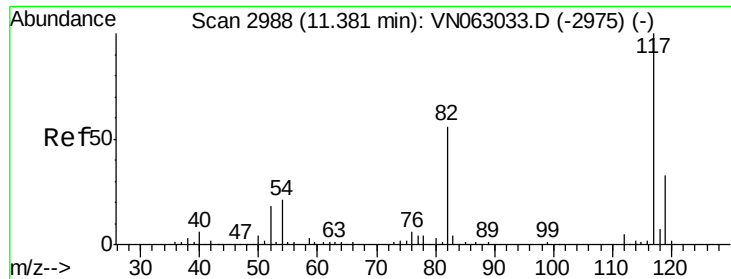
Tgt Ion: 63 Resp: 561543
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.9 38.9
 106 25.5 19.9 29.9



#56
 Bromoform
 Concen: 155.380 ug/l
 RT: 12.10 min Scan# 3212
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Tgt Ion: 173 Resp: 264224
 Ion Ratio Lower Upper
 173 100
 175 48.2 41.2 61.8
 254 11.3 9.0 13.4

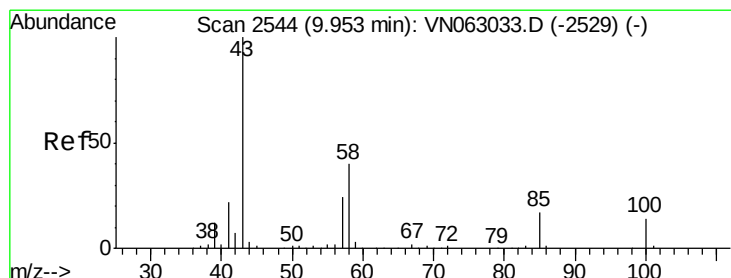
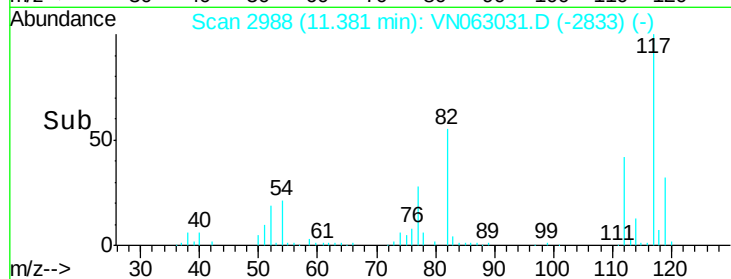
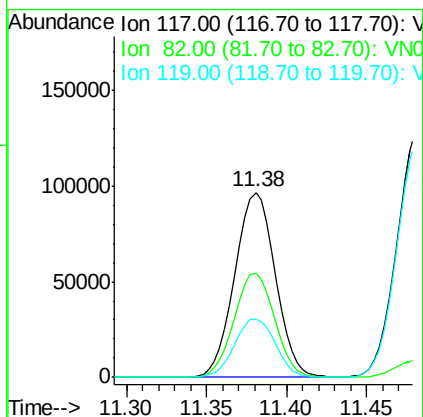
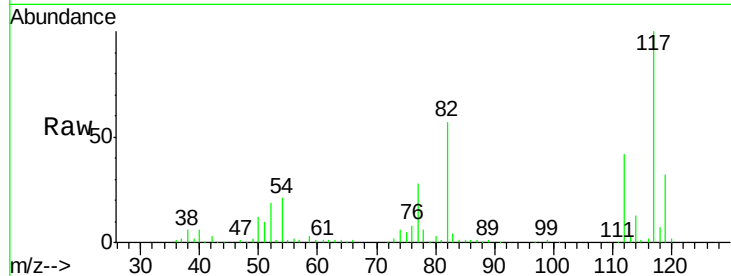




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

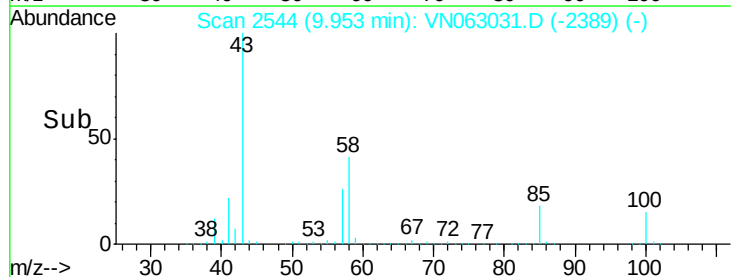
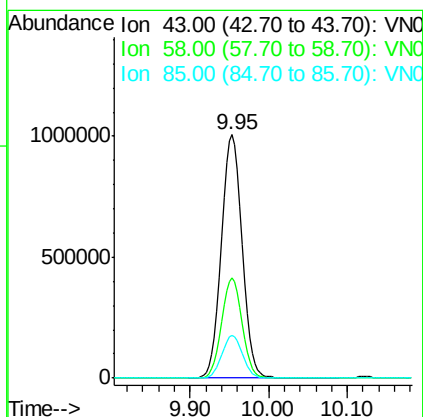
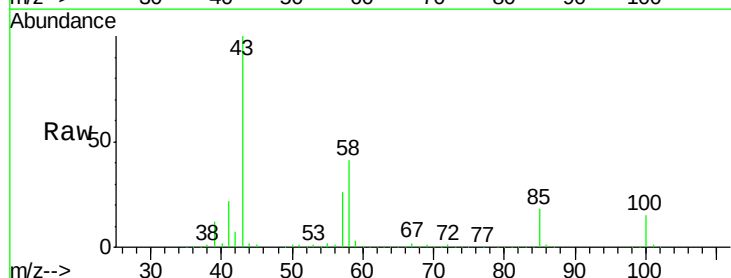
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

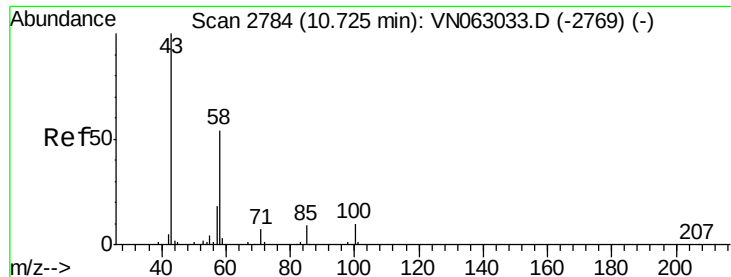
Tgt Ion: 117 Resp: 166947
Ion Ratio Lower Upper
117 100
82 56.7 44.9 67.3
119 32.0 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 761.402 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion: 43 Resp: 1828588
Ion Ratio Lower Upper
43 100
58 40.5 31.4 47.0
85 17.4 13.4 20.2

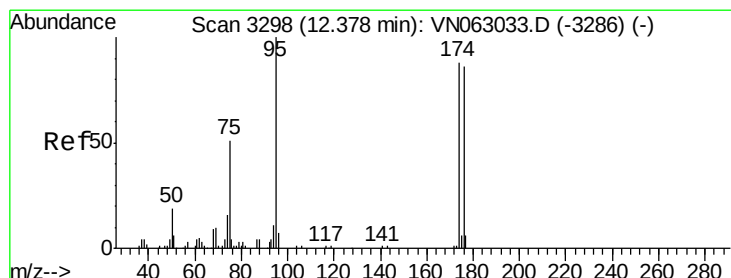
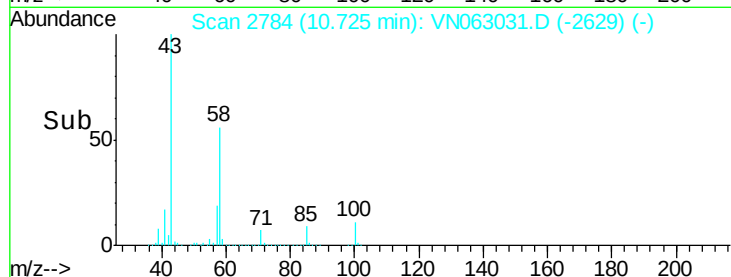
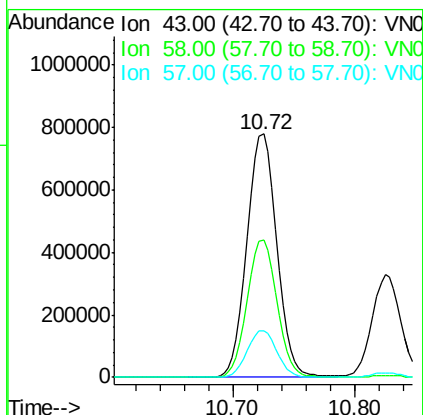
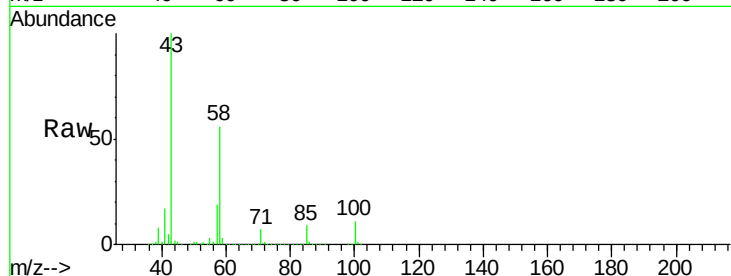




#59
2-Hexanone
Concen: 767.012 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

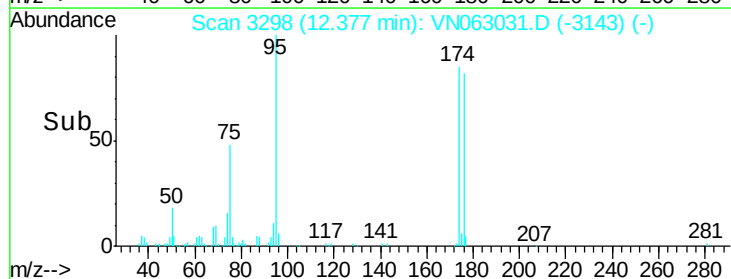
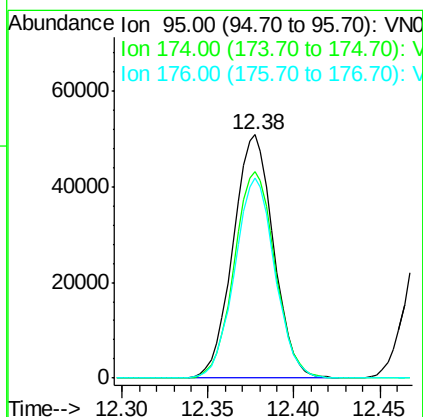
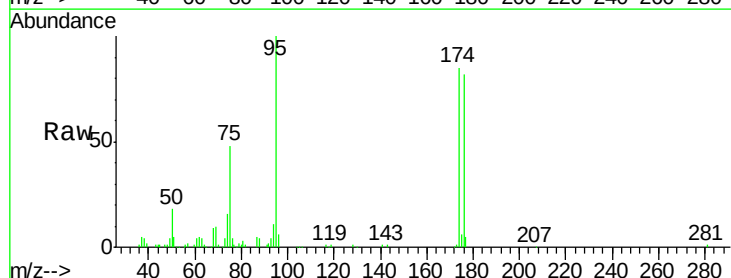
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

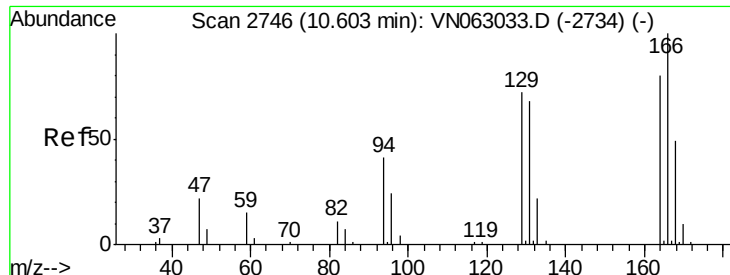
Tgt Ion: 43 Resp: 1314040
Ion Ratio Lower Upper
43 100
58 56.5 42.6 64.0
57 19.2 14.6 21.8



#60
4-Bromofluorobenzene
Concen: 31.584 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion: 95 Resp: 83321
Ion Ratio Lower Upper
95 100
174 85.7 70.1 105.1
176 81.5 66.8 100.2





#61

Tetrachloroethene

Concen: 141.956 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:164 Resp: 259805

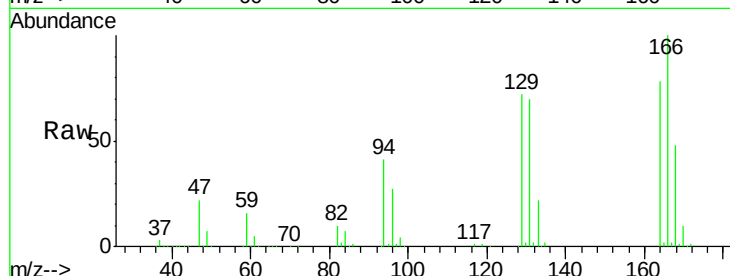
Ion Ratio Lower Upper

164 100

166 128.6 100.1 150.1

129 92.2 72.5 108.7

131 90.4 68.4 102.6

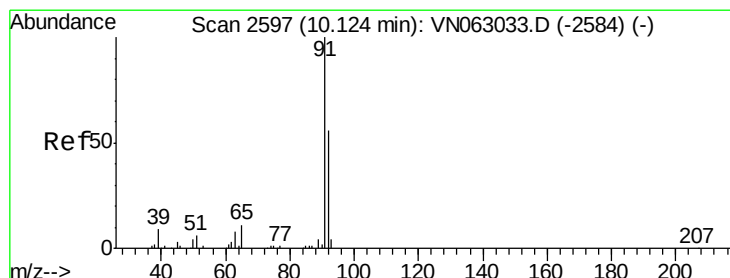
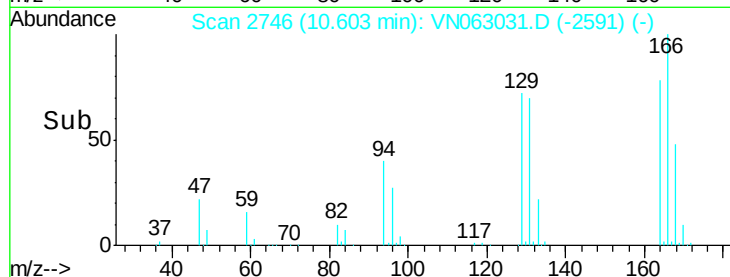
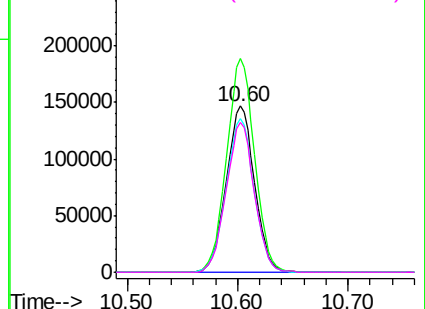


Abundance Ion 163.85 (163.55 to 164.55): V

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: 148.071 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063031.D

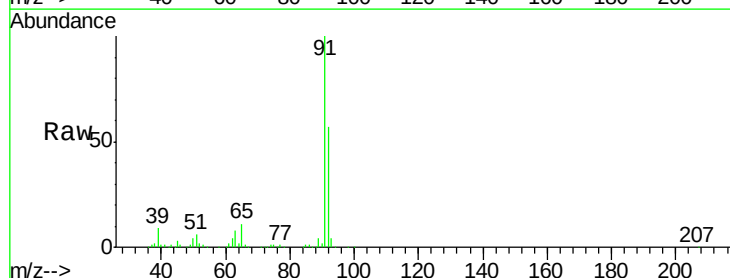
Acq: 20 Aug 2020 11:48

Tgt Ion: 91 Resp: 1310119

Ion Ratio Lower Upper

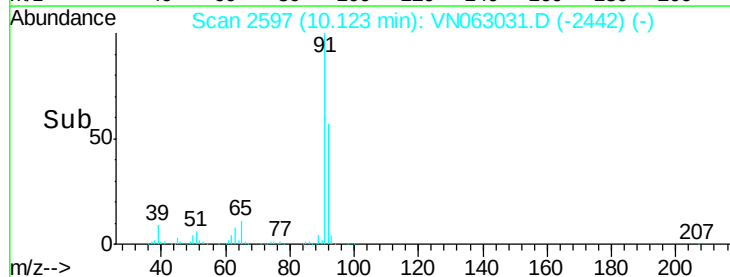
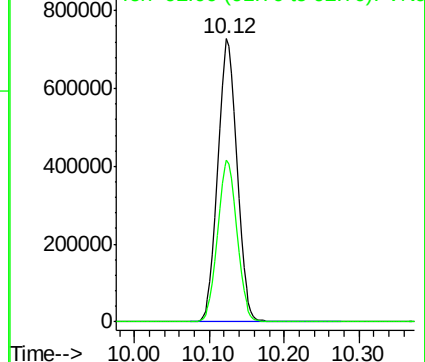
91 100

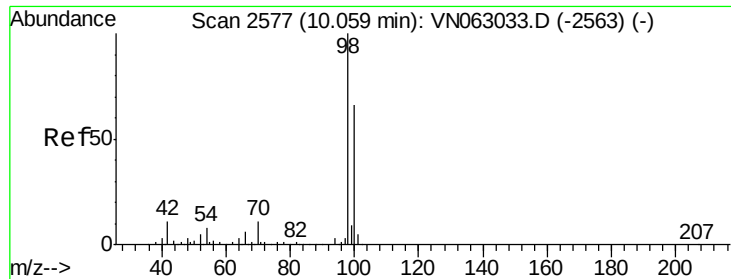
92 57.6 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

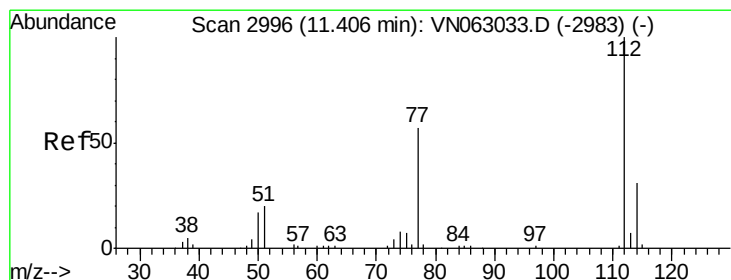
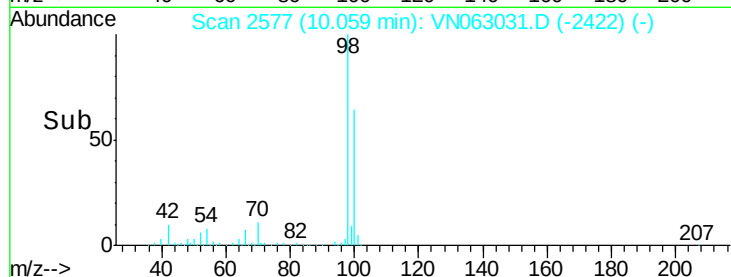
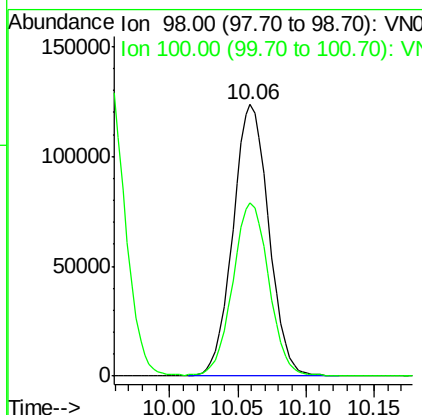
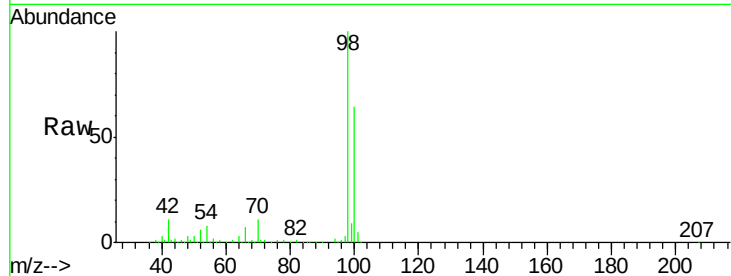




#63
Toluene-d8
Concen: 29.472 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

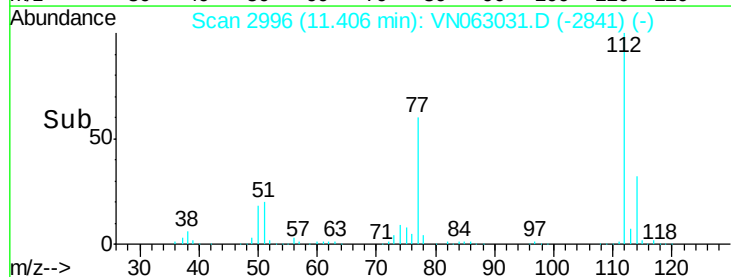
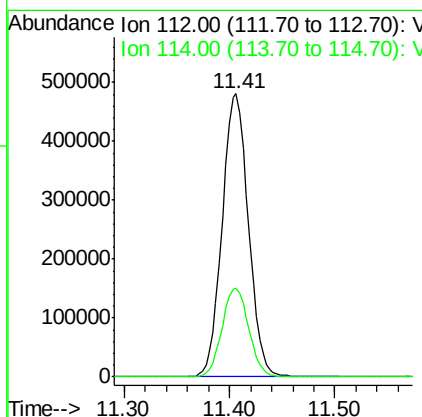
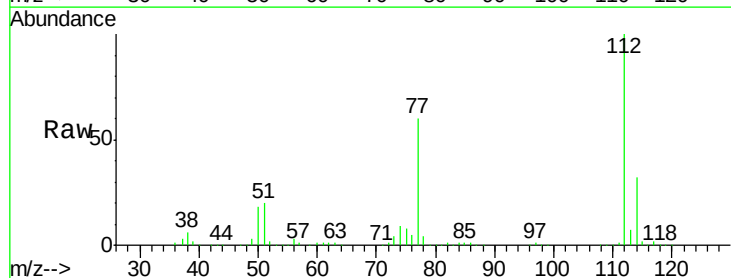
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

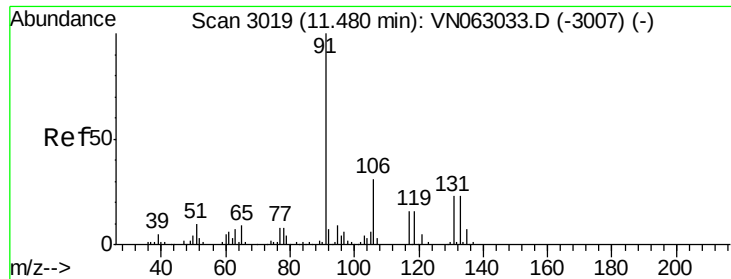
Tgt Ion: 98 Resp: 225810
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.2



#64
Chlorobenzene
Concen: 151.058 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion: 112 Resp: 827016
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 148.660 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

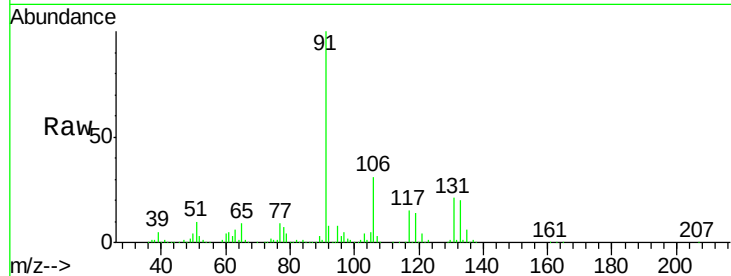
Tgt Ion:131 Resp: 322588

Ion Ratio Lower Upper

131 100

133 94.8 0.0 191.2

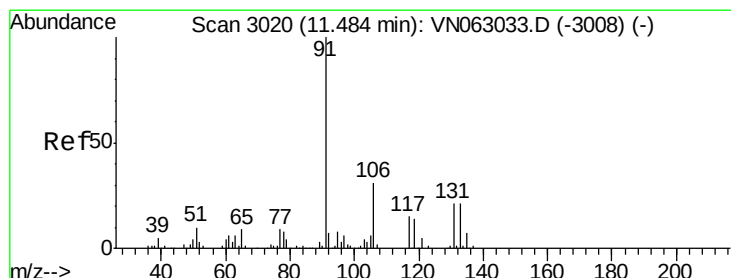
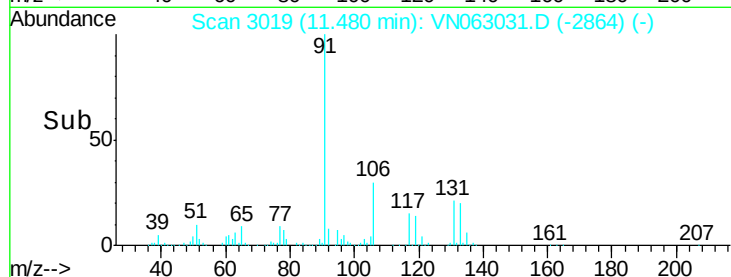
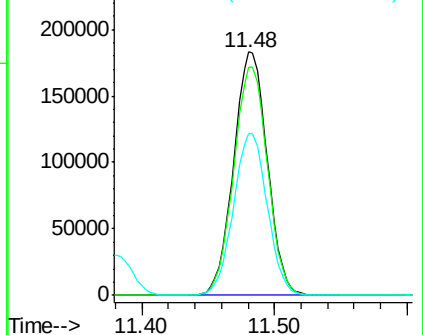
119 66.8 0.0 134.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 158.013 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN063031.D

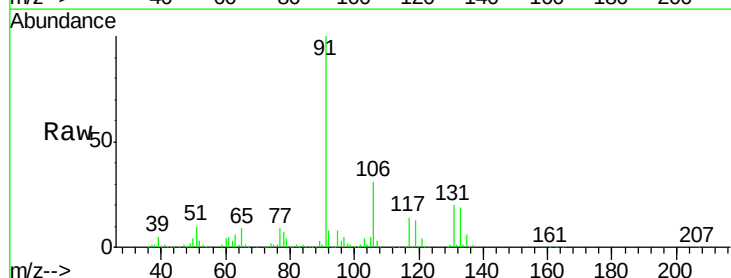
Acq: 20 Aug 2020 11:48

Tgt Ion: 91 Resp: 1524003

Ion Ratio Lower Upper

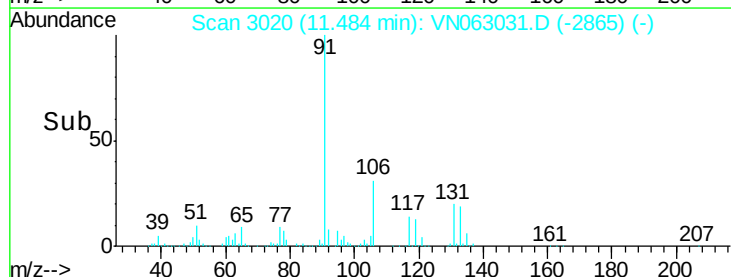
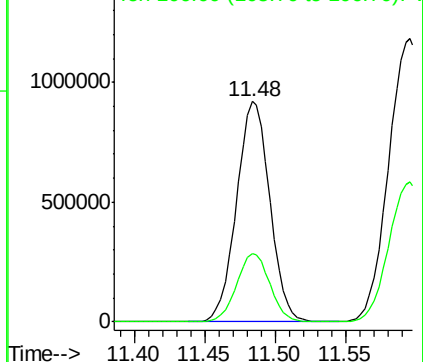
91 100

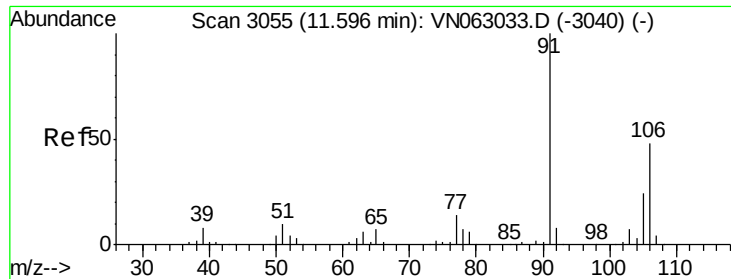
106 31.2 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

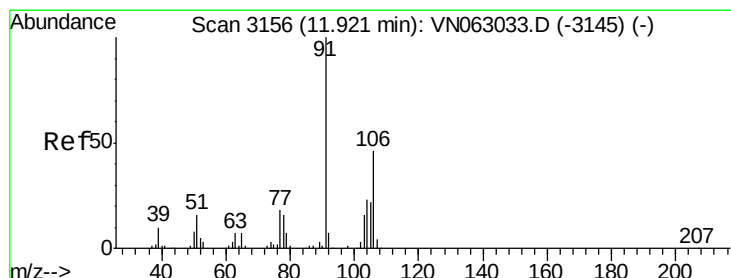
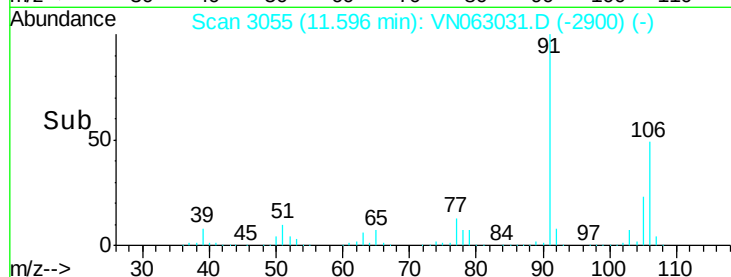
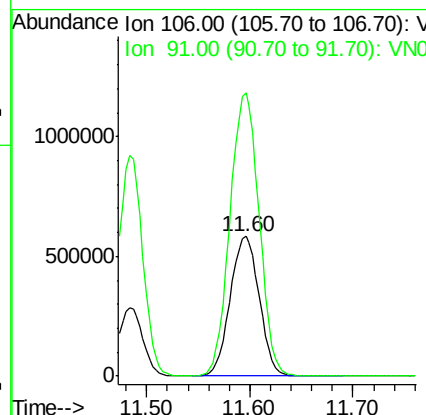
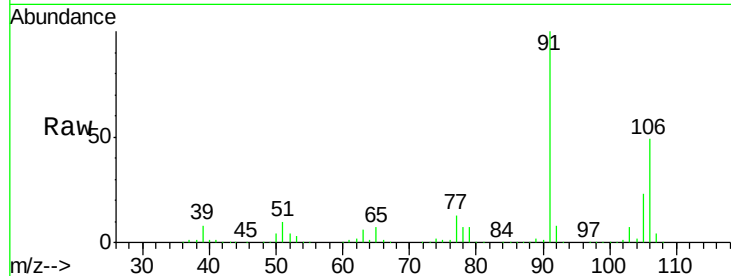




#67
m/p-Xylenes
Concen: 315.716 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

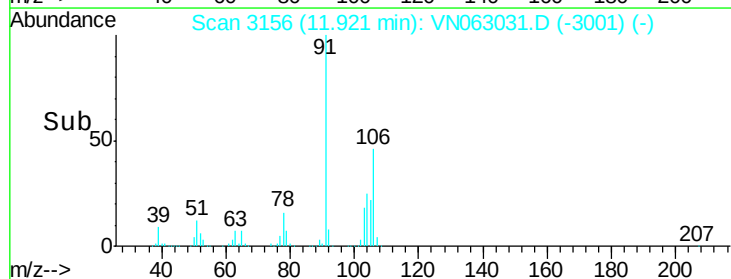
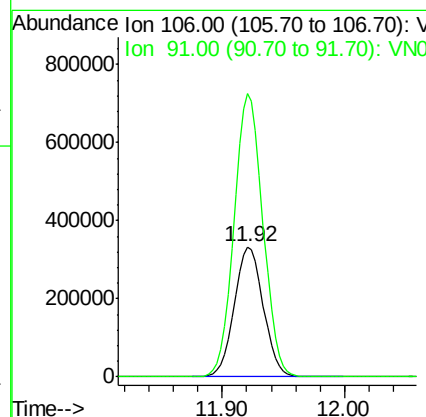
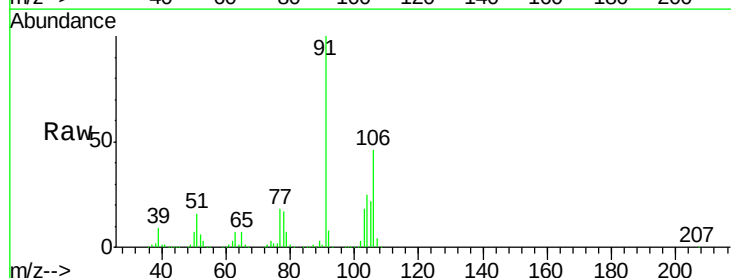
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

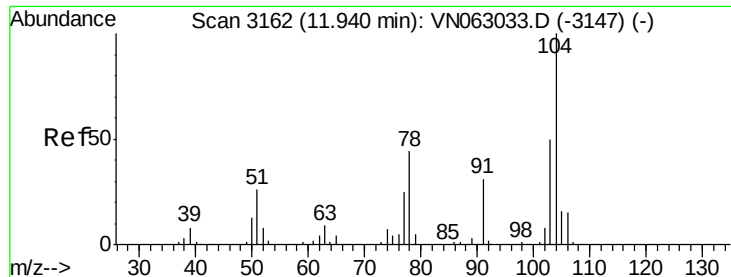
Tgt Ion:106 Resp: 1140742
Ion Ratio Lower Upper
106 100
91 204.0 164.9 247.3



#68
o-Xylene
Concen: 159.373 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion:106 Resp: 553154
Ion Ratio Lower Upper
106 100
91 215.8 108.0 324.0

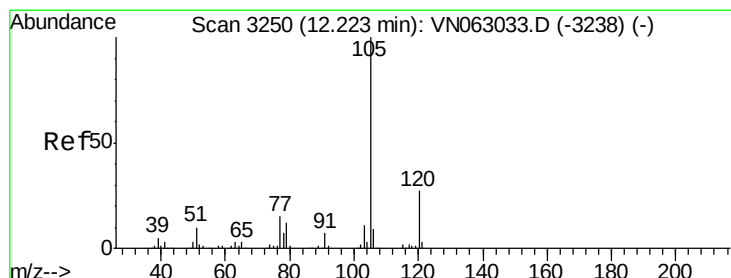
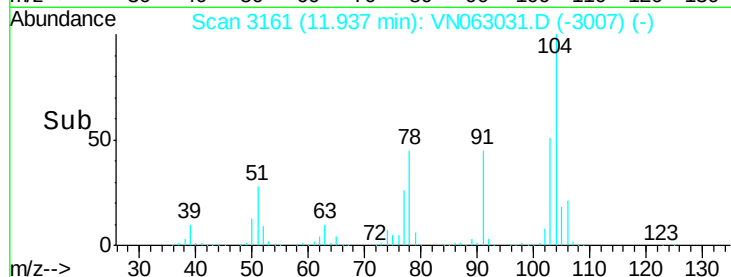
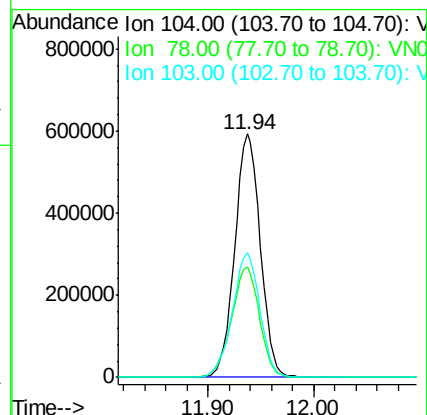
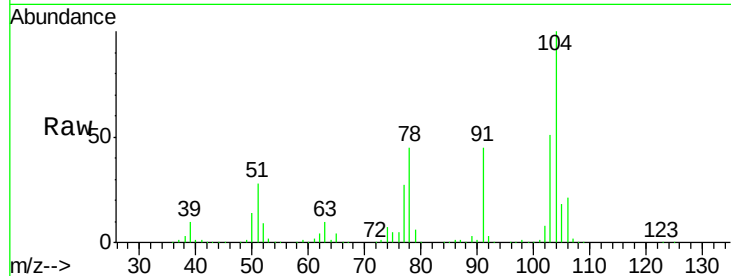




#69
Styrene
Concen: 163.627 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

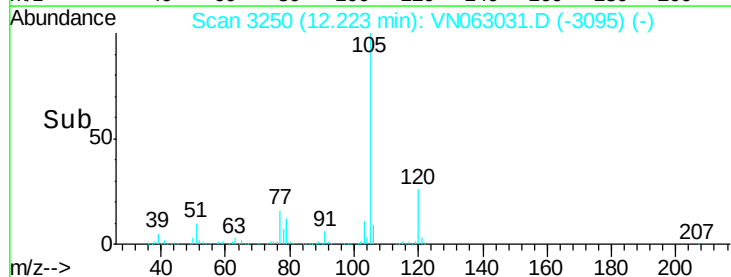
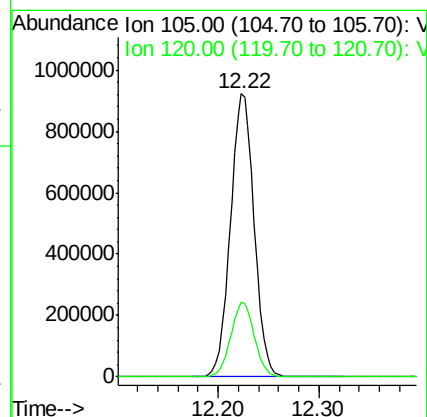
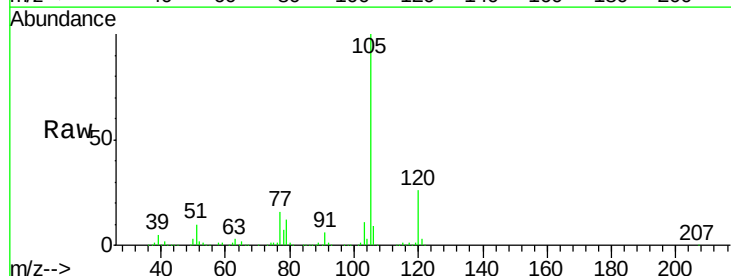
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

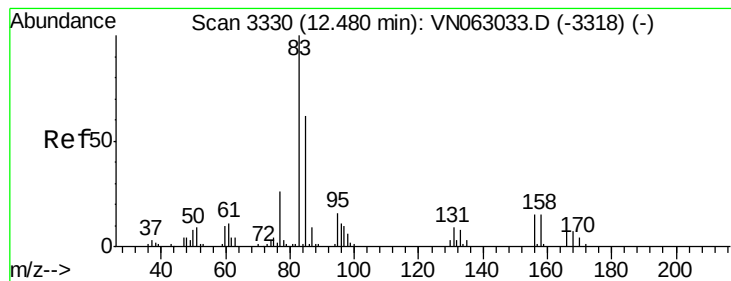
Tgt Ion:104 Resp: 992088
Ion Ratio Lower Upper
104 100
78 49.5 39.6 59.4
103 55.0 44.4 66.6



#70
Isopropylbenzene
Concen: 159.622 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion:105 Resp: 1507107
Ion Ratio Lower Upper
105 100
120 26.3 18.5 34.3





#71

1,1,2,2-Tetrachloroethane

Concen: 146.441 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

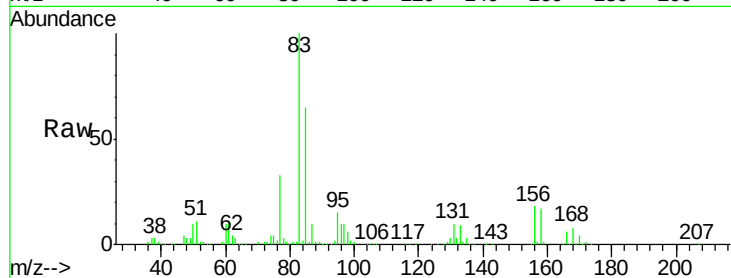
Tgt Ion: 83 Resp: 443396

Ion Ratio Lower Upper

83 100

131 10.1 4.5 13.7

85 64.4 31.8 95.3

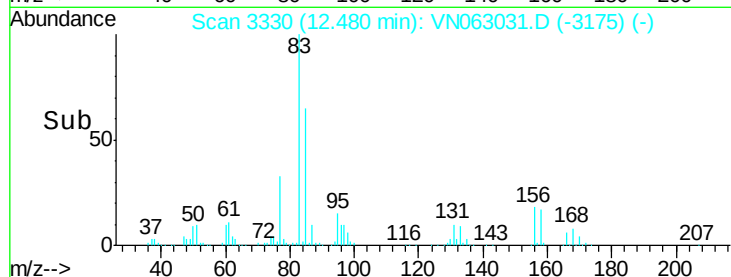


Abundance Ion 83.00 (82.70 to 83.70): VN063033.D (-3318) (-)

Ion 131.00 (130.70 to 131.70): VN063033.D (-3318) (-)

Ion 85.00 (84.70 to 85.70): VN063033.D (-3318) (-)

Time-->

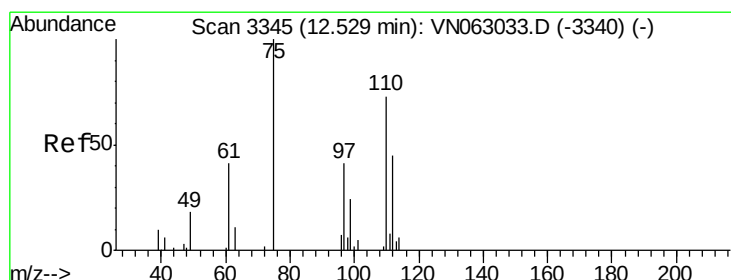


Abundance Ion 83.00 (82.70 to 83.70): VN063031.D (-3175) (-)

Ion 131.00 (130.70 to 131.70): VN063031.D (-3175) (-)

Ion 85.00 (84.70 to 85.70): VN063031.D (-3175) (-)

Time-->



#72

1,2,3-Trichloropropane

Concen: 216.441 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN063031.D

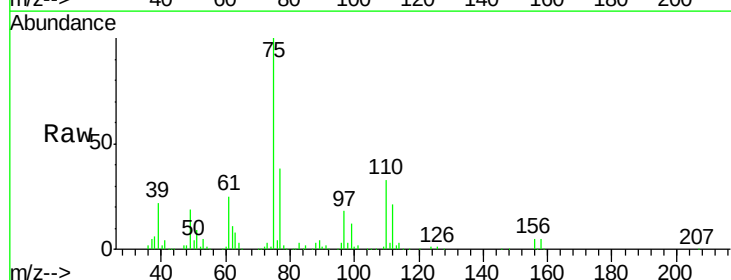
Acq: 20 Aug 2020 11:48

Tgt Ion: 75 Resp: 566398

Ion Ratio Lower Upper

75 100

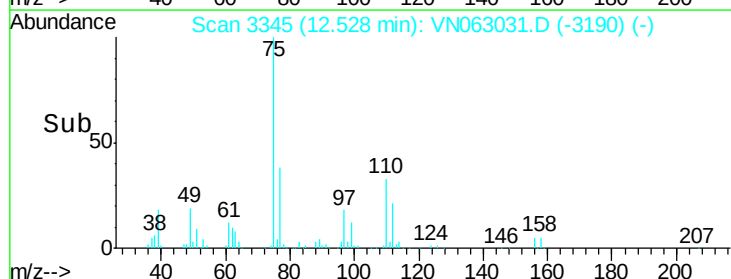
77 138.7 0.0 387.8



Abundance Ion 75.00 (74.70 to 75.70): VN063033.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN063033.D (-3340) (-)

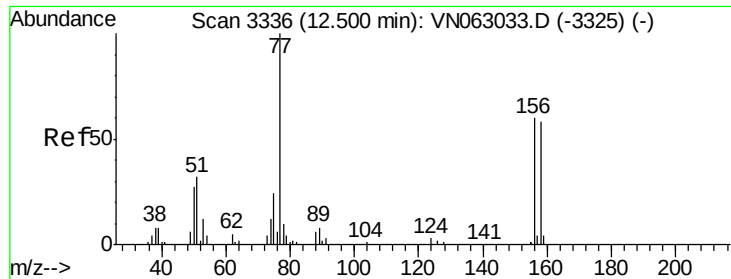
Time-->



Abundance Ion 75.00 (74.70 to 75.70): VN063031.D (-3190) (-)

Ion 77.00 (76.70 to 77.70): VN063031.D (-3190) (-)

Time-->



#73

Bromobenzene

Concen: 153.614 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

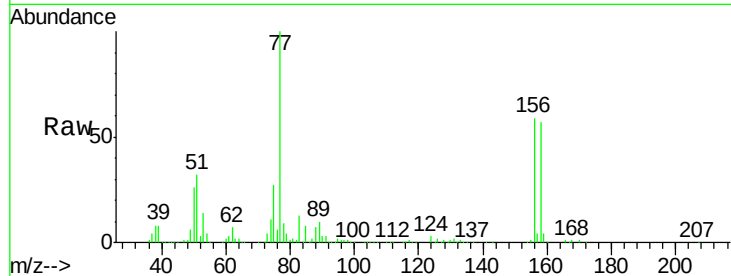
Tgt Ion:156 Resp: 391132

Ion Ratio Lower Upper

156 100

77 200.9 0.0 398.6

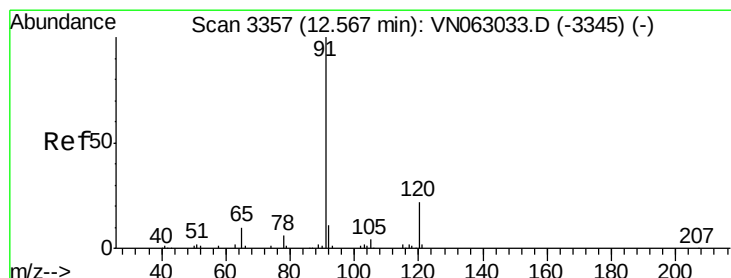
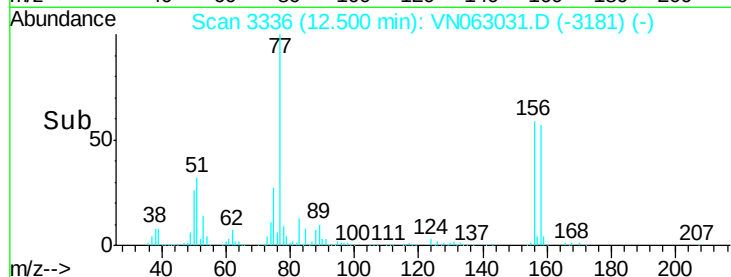
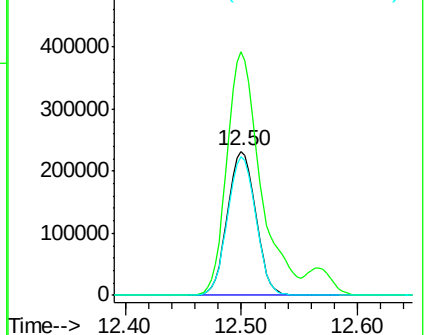
158 96.4 0.0 195.4



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: 159.973 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN063031.D

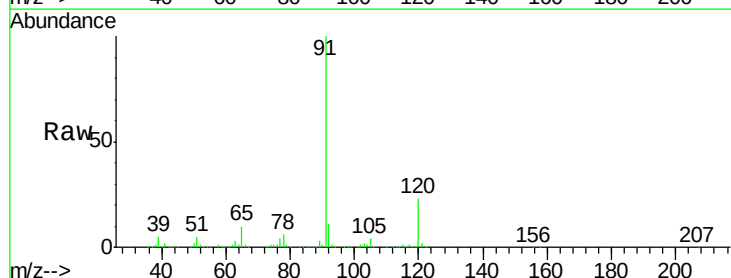
Acq: 20 Aug 2020 11:48

Tgt Ion: 91 Resp: 1811843

Ion Ratio Lower Upper

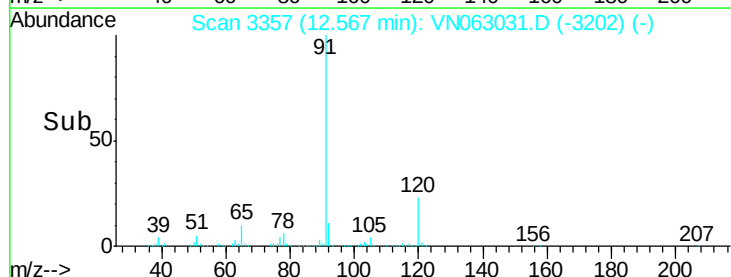
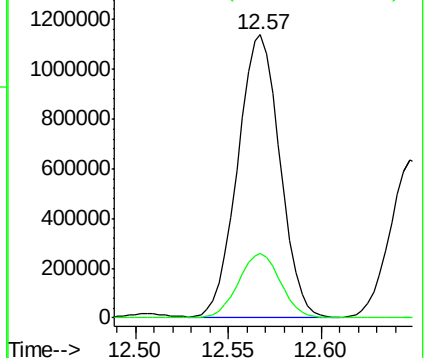
91 100

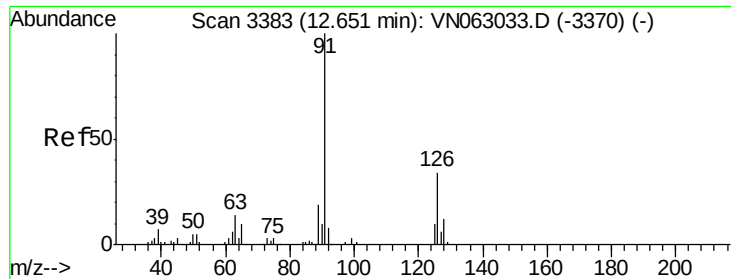
120 22.6 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 156.695 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

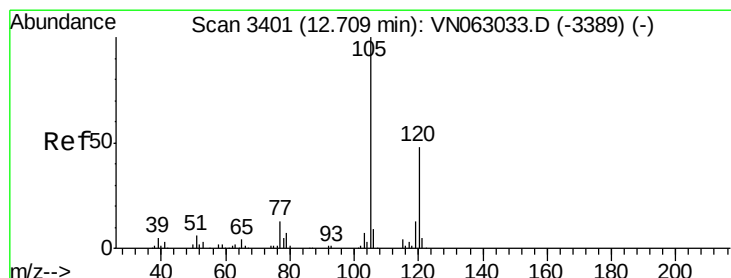
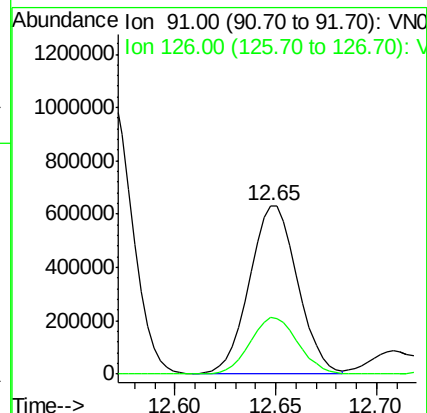
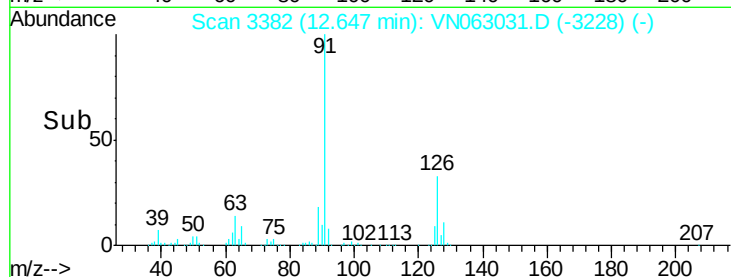
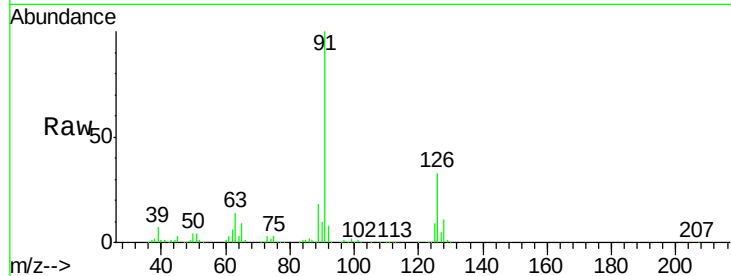
VSTDIC150

Tgt Ion: 91 Resp: 1057728

Ion Ratio Lower Upper

91 100

126 33.7 0.0 68.0



#76

1,3,5-Trimethylbenzene

Concen: 161.803 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063031.D

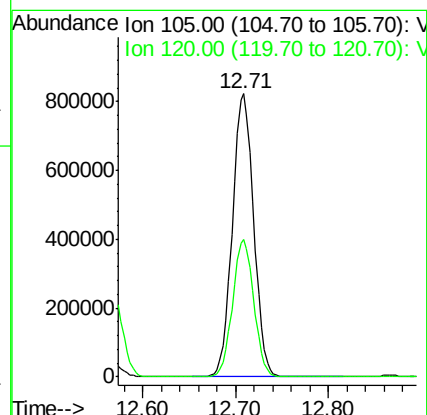
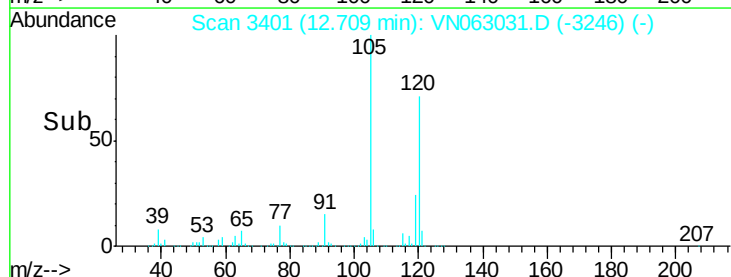
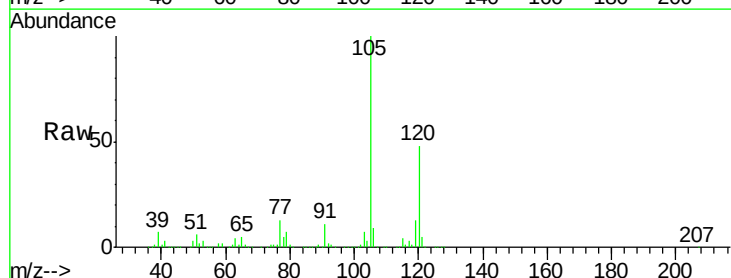
Acq: 20 Aug 2020 11:48

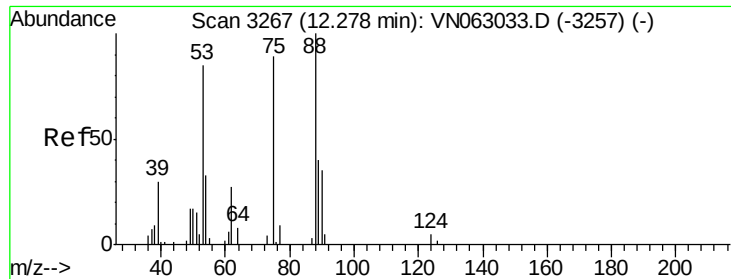
Tgt Ion: 105 Resp: 1303741

Ion Ratio Lower Upper

105 100

120 48.4 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 168.441 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

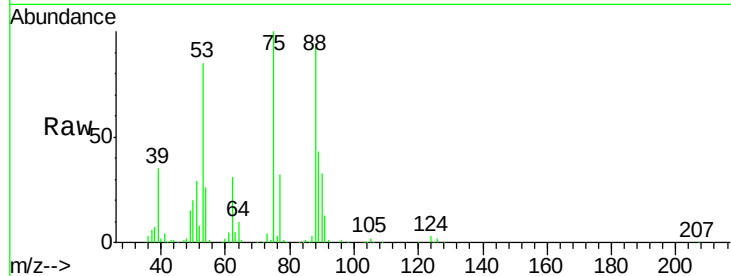
Tgt Ion: 75 Resp: 159943

Ion Ratio Lower Upper

75 100

53 84.9 47.0 141.0

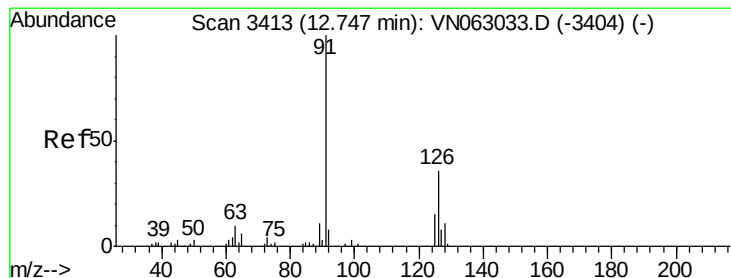
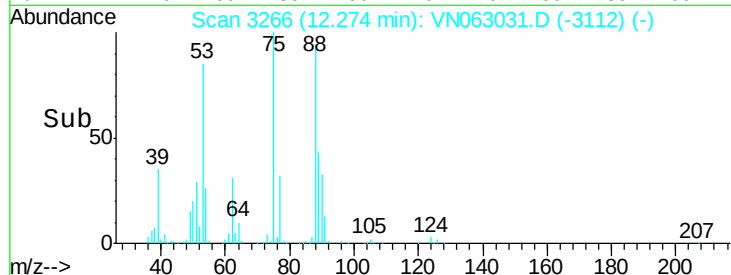
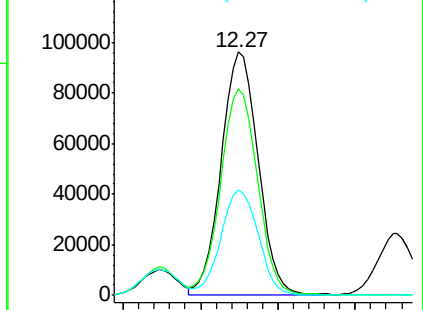
89 43.3 22.9 68.7



Abundance Ion 75.00 (74.70 to 75.70): VN063033.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN063033.D (-3266) (-)

Ion 89.00 (88.70 to 89.70): VN063033.D (-3266) (-)



#78

4-Chlorotoluene

Concen: 160.571 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN063031.D

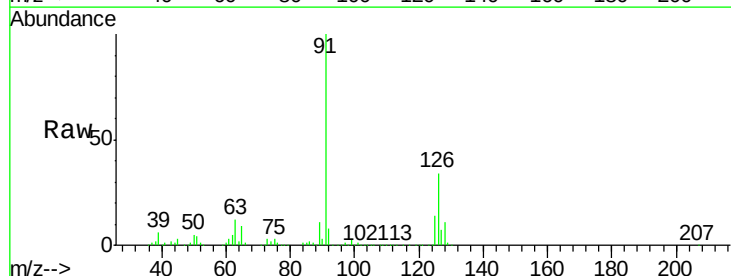
Acq: 20 Aug 2020 11:48

Tgt Ion: 91 Resp: 1117514

Ion Ratio Lower Upper

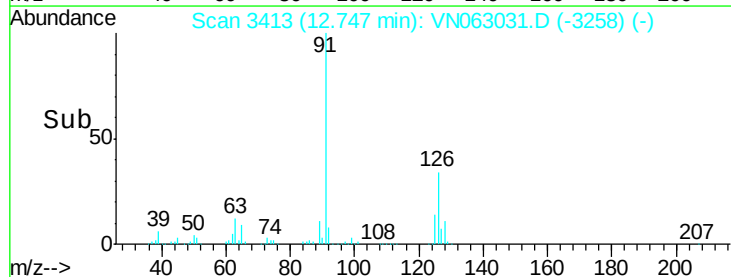
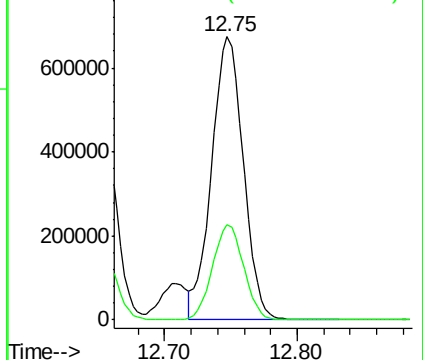
91 100

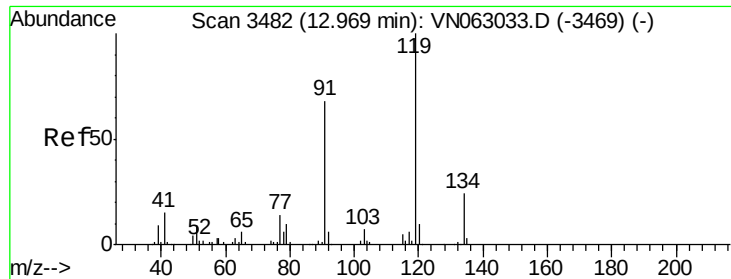
126 33.2 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN063033.D (-3413) (-)

Ion 126.00 (125.70 to 126.70): VN063033.D (-3413) (-)

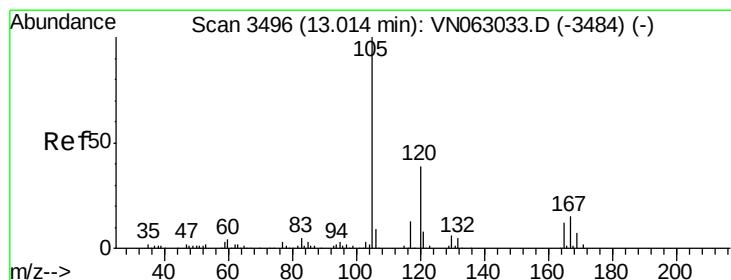
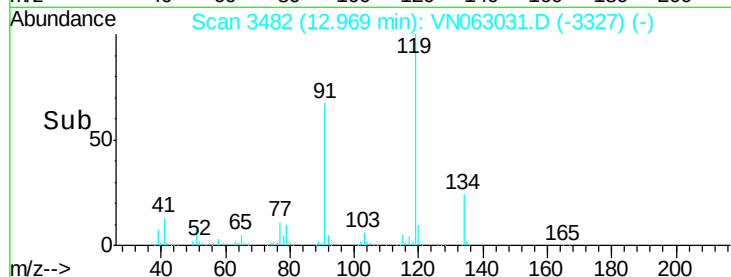
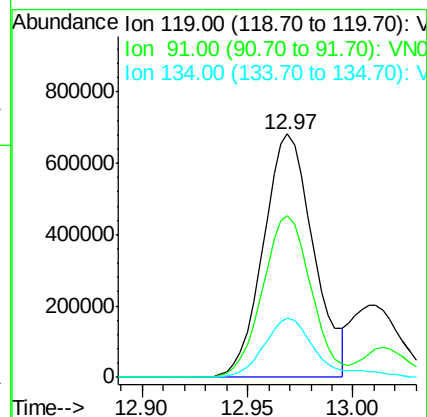
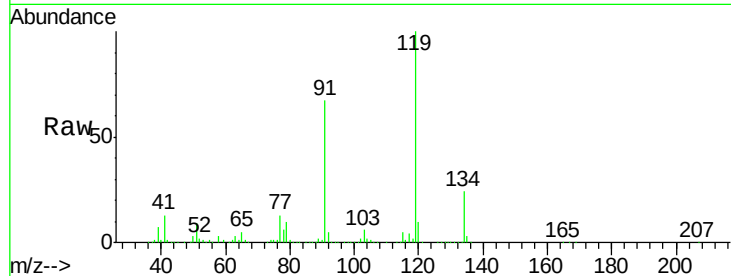




#79
tert-butylbenzene
Concen: 166.355 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

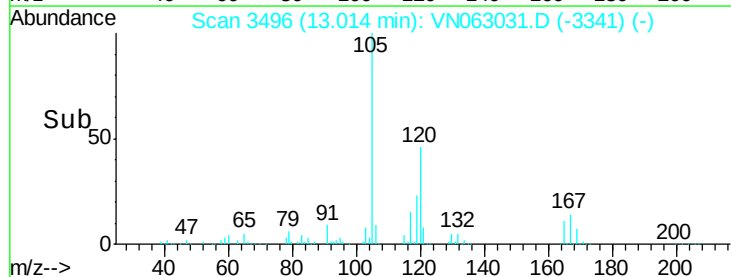
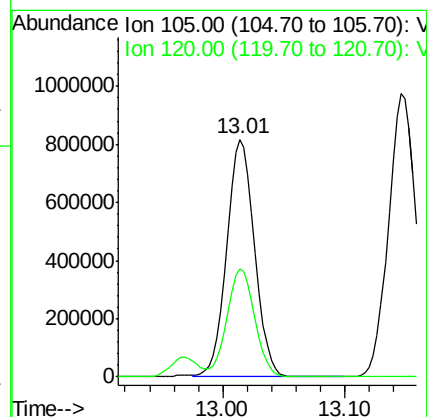
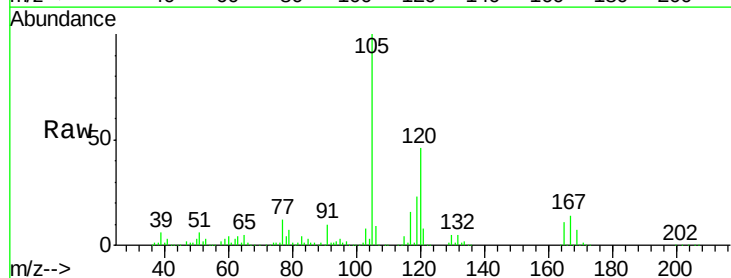
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

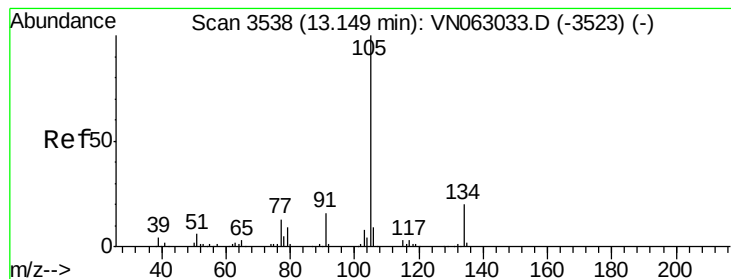
Tgt Ion:119 Resp: 1127835
Ion Ratio Lower Upper
119 100
91 64.6 0.0 136.8
134 23.8 0.0 48.8



#80
1,2,4-Trimethylbenzene
Concen: 166.660 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion:105 Resp: 1307172
Ion Ratio Lower Upper
105 100
120 45.5 0.0 90.4





#81

sec-Butylbenzene

Concen: 164.693 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

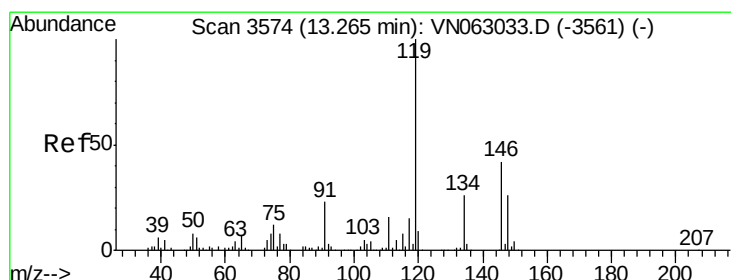
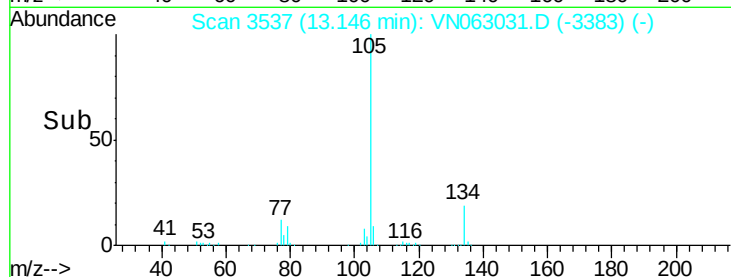
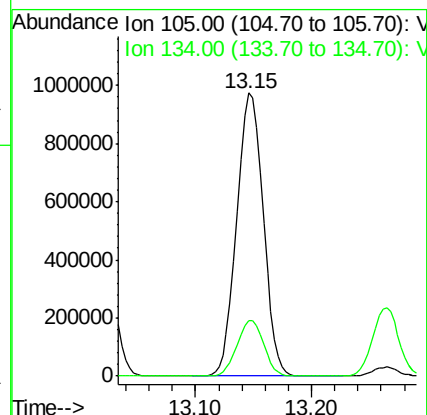
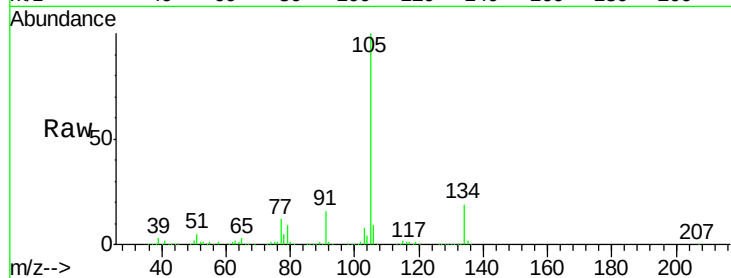
VSTDIC150

Tgt Ion:105 Resp: 1538098

Ion Ratio Lower Upper

105 100

134 19.6 0.0 39.4



#82

p-Isopropyltoluene

Concen: 168.114 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

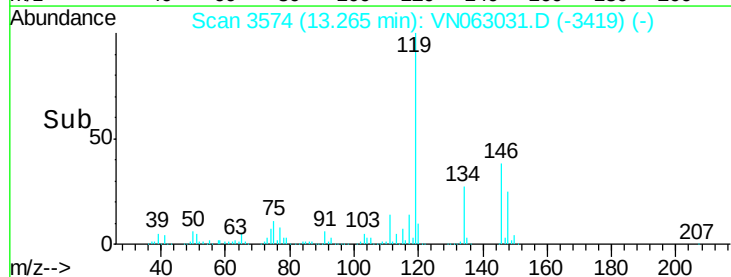
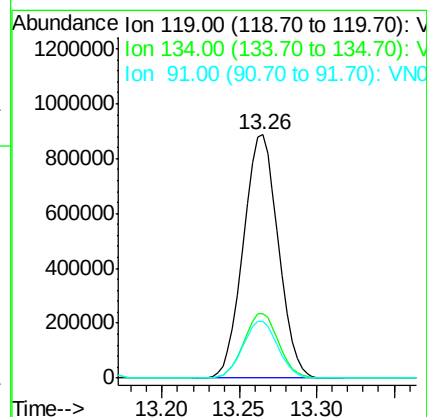
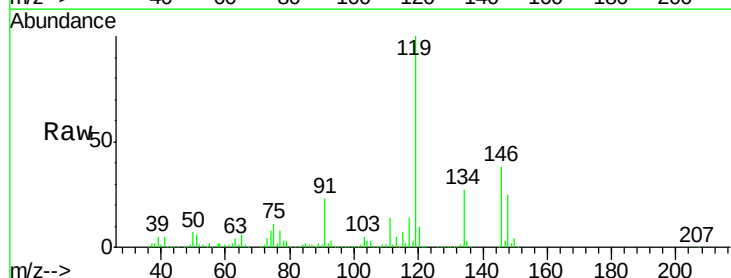
Tgt Ion:119 Resp: 1391890

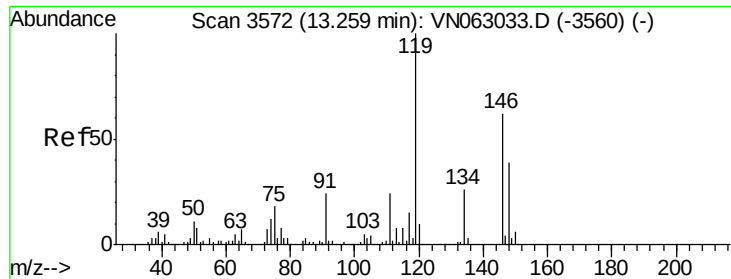
Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.2

91 23.1 0.0 46.2

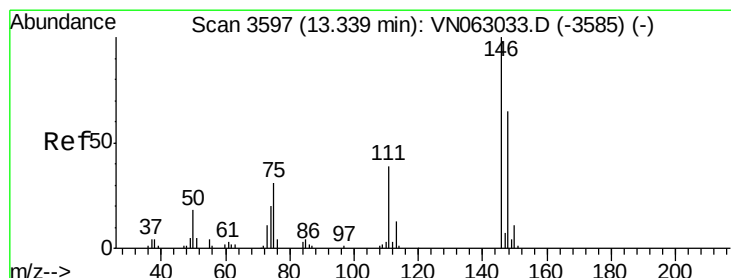
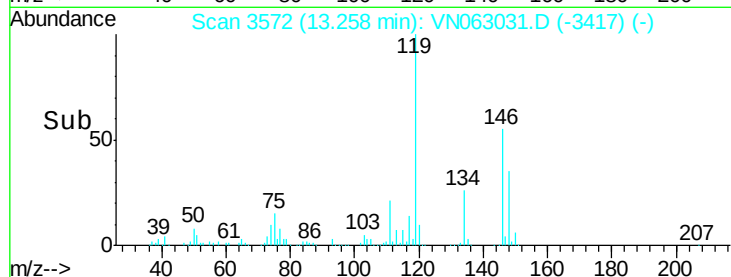
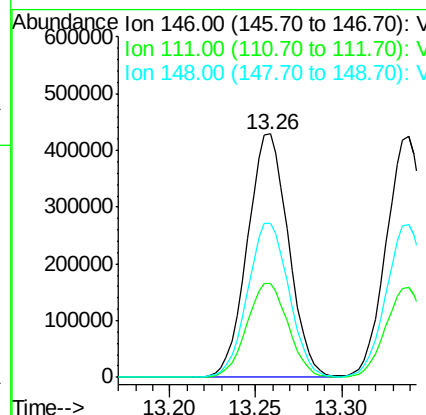
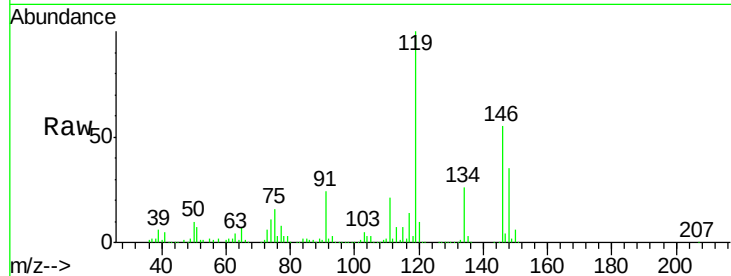




#83
 1,3-Dichlorobenzene
 Concen: 159.754 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

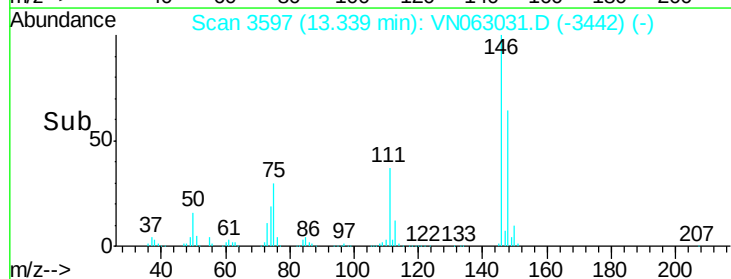
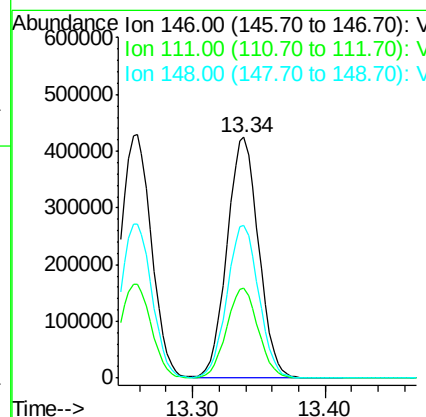
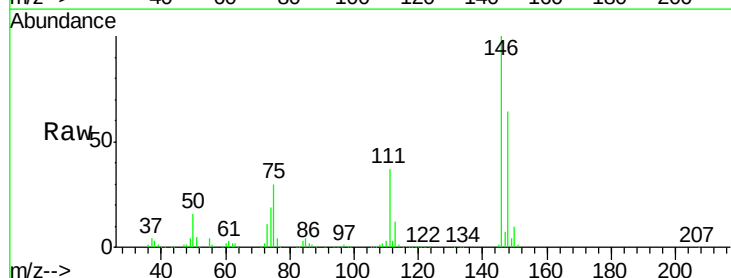
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

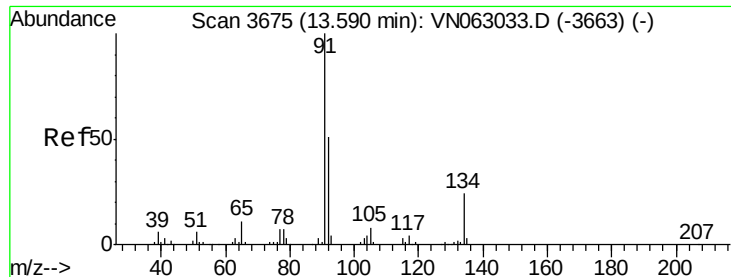
Tgt Ion:146 Resp: 710212
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.1
 148 63.9 31.5 94.5



#84
 1,4-Dichlorobenzene
 Concen: 161.795 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Tgt Ion:146 Resp: 702996
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 63.8 31.6 94.8





#85

n-Butylbenzene

Concen: 179.752 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN063031.D

Acq: 20 Aug 2020 11:48

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

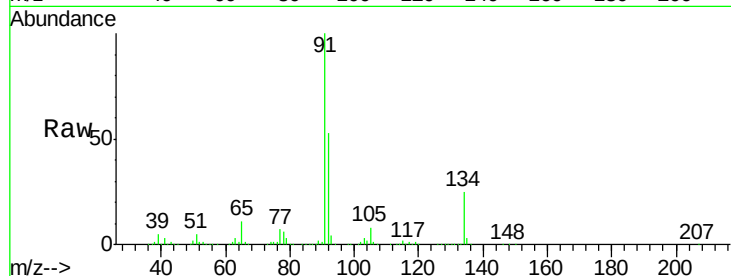
Tgt Ion: 91 Resp: 1236773

Ion Ratio Lower Upper

91 100

92 52.3 0.0 100.6

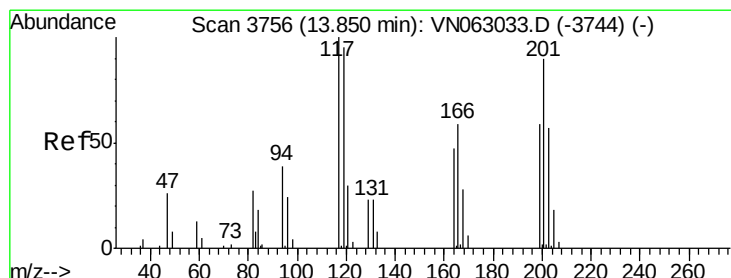
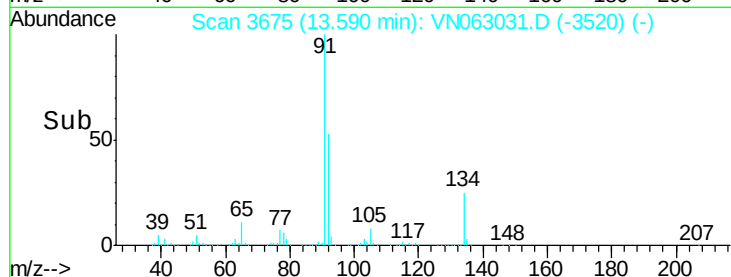
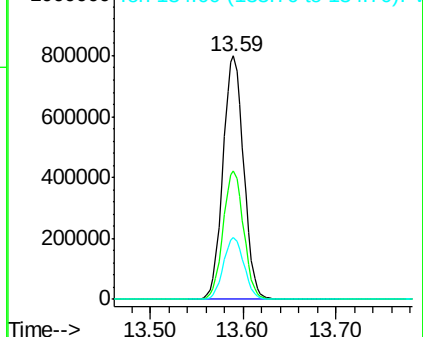
134 25.3 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN063033.D (-3663) (-)

Ion 92.00 (91.70 to 92.70): VN063033.D (-3663) (-)

Ion 134.00 (133.70 to 134.70): VN063033.D (-3663) (-)



#86

Hexachloroethane

Concen: 158.725 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN063031.D

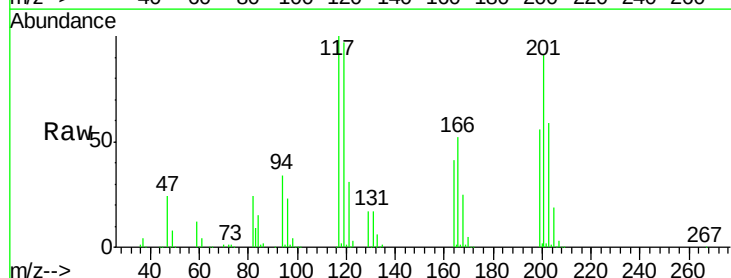
Acq: 20 Aug 2020 11:48

Tgt Ion: 117 Resp: 258827

Ion Ratio Lower Upper

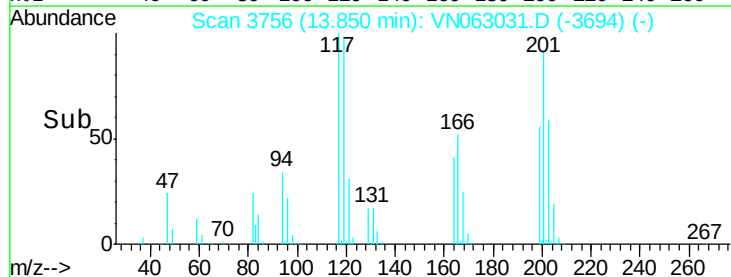
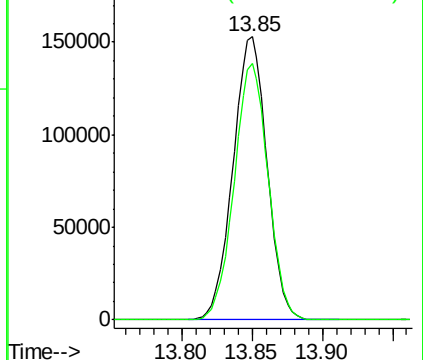
117 100

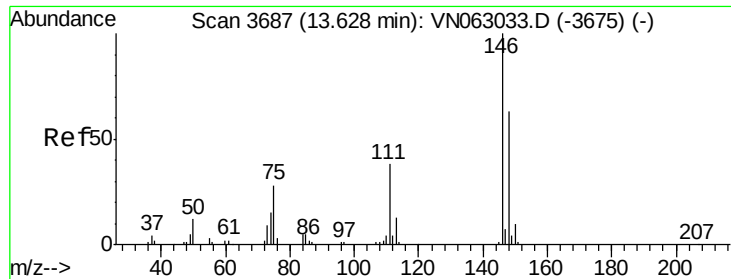
201 90.0 46.1 138.3



Abundance Ion 117.00 (116.70 to 117.70): VN063033.D (-3744) (-)

Ion 201.00 (200.70 to 201.70): VN063033.D (-3744) (-)

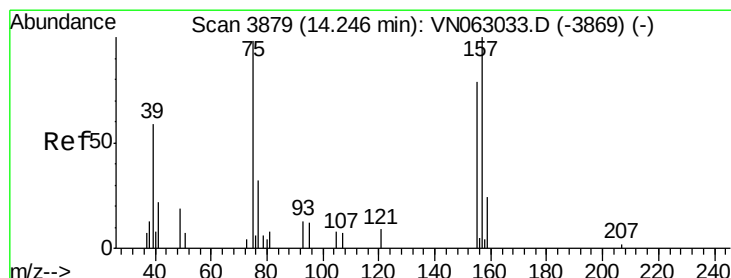
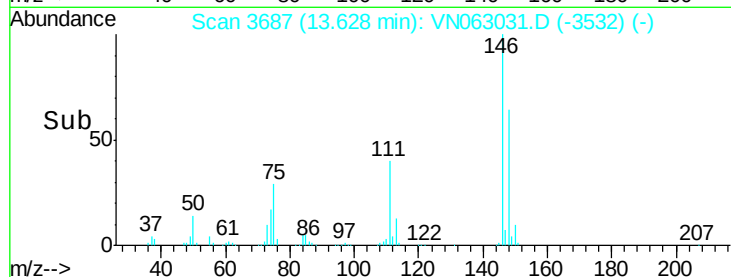
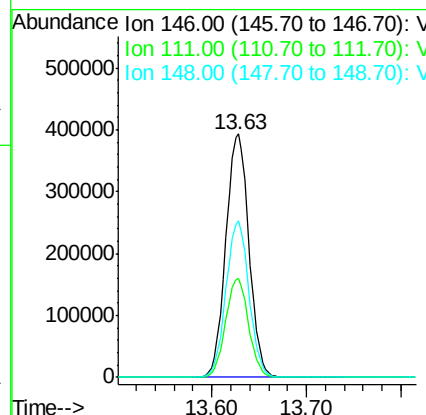
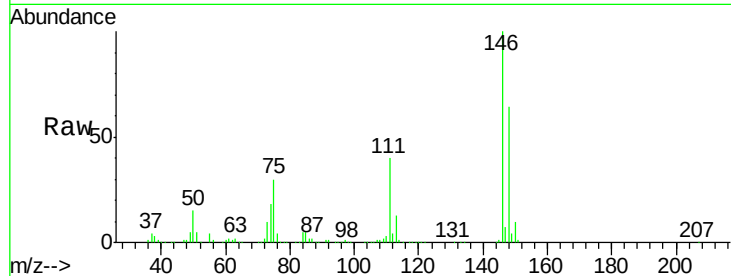




#87
 1,2-Dichlorobenzene
 Concen: 156.630 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

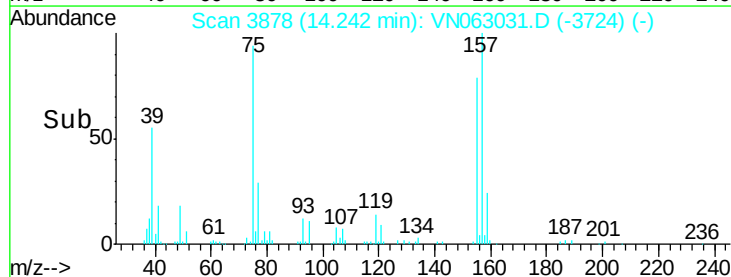
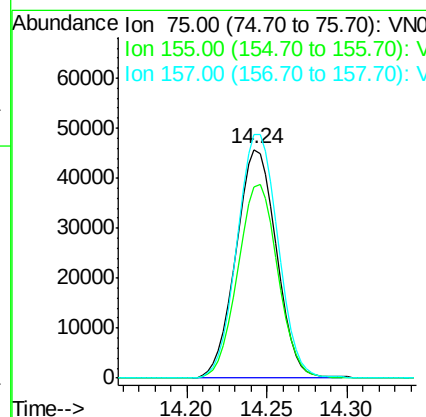
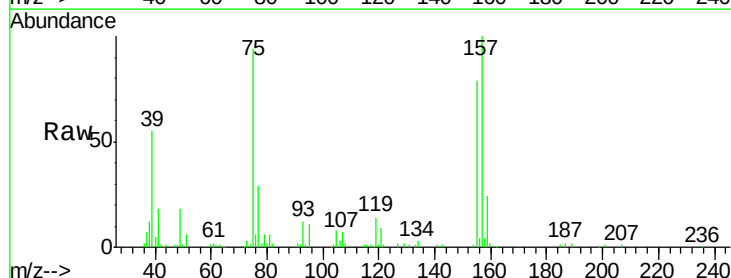
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

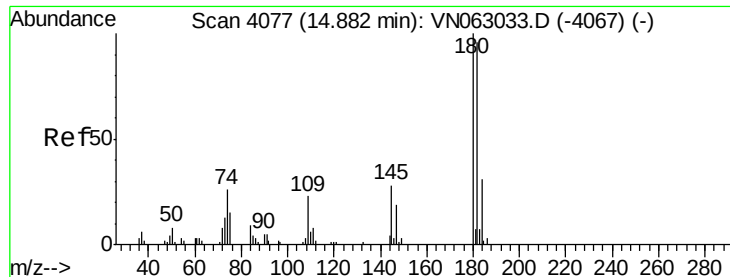
Tgt Ion:146 Resp: 666891
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.1 57.3
 148 64.0 31.8 95.4



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 164.178 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Tgt Ion: 75 Resp: 78849
 Ion Ratio Lower Upper
 75 100
 155 83.8 64.8 97.2
 157 107.6 81.2 121.8

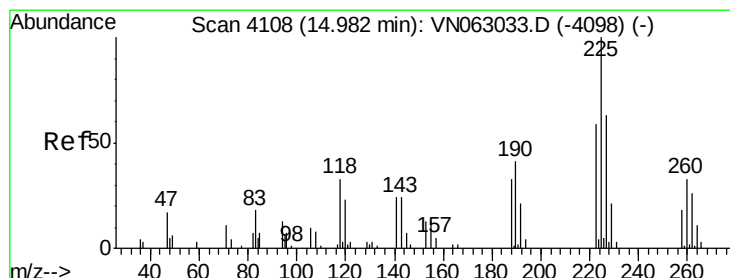
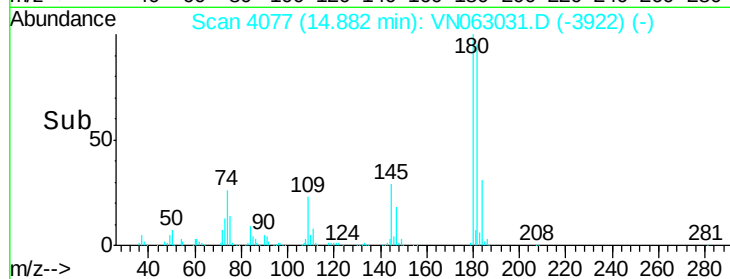
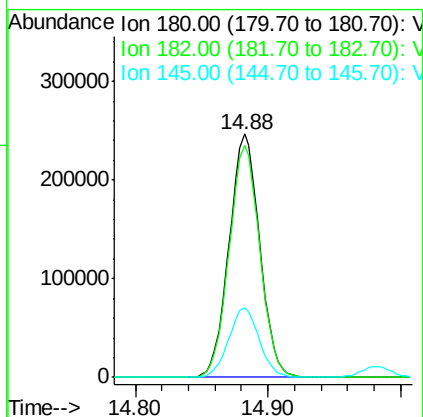
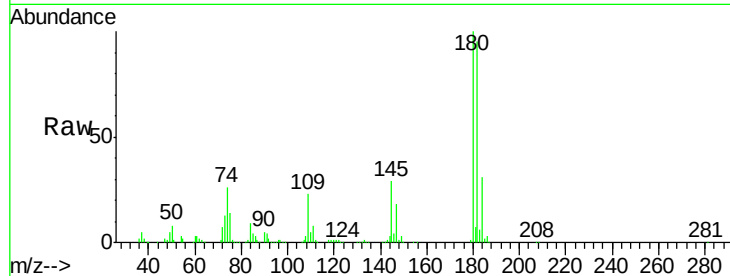




#89
 1,2,4-Trichlorobenzene
 Concen: 188.226 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

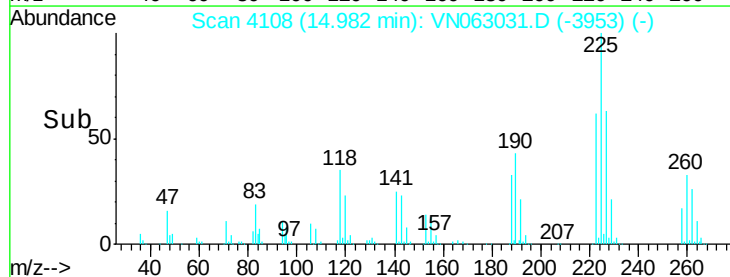
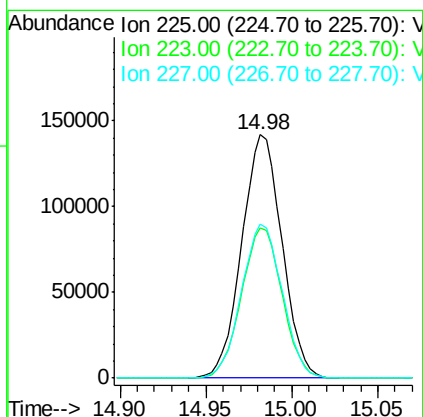
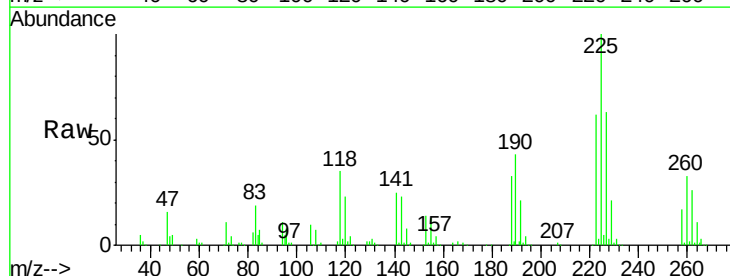
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

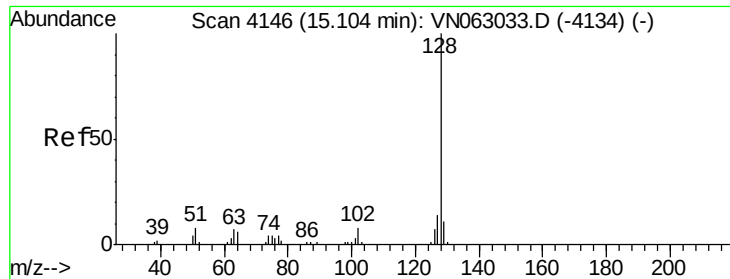
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.9	115.3
145	28.5	21.9	32.9



#90
 Hexachlorobutadiene
 Concen: 148.646 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063031.D
 Acq: 20 Aug 2020 11:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	0.0	122.8
227	63.9	0.0	125.6

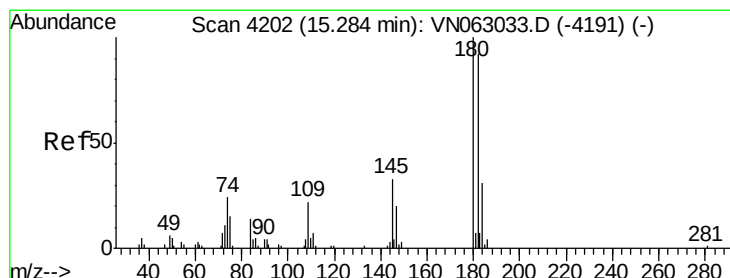
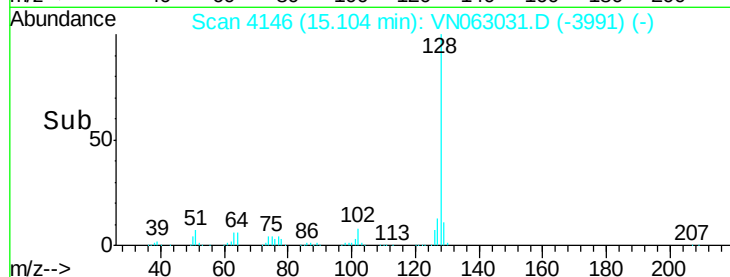
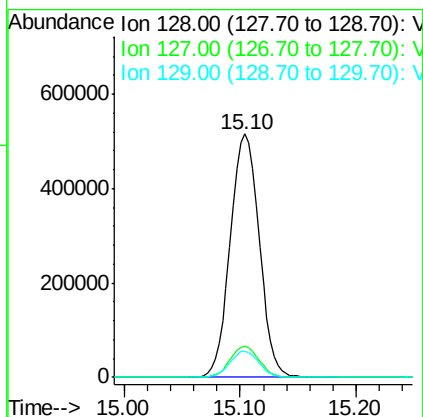
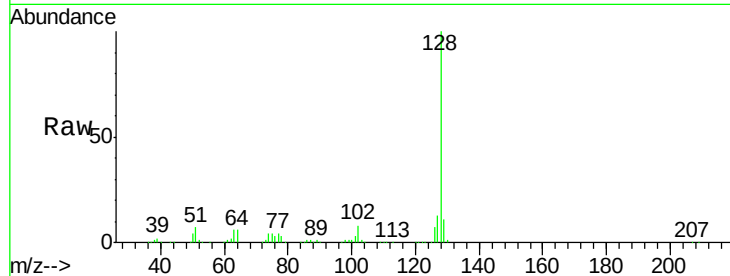




#91
Naphthalene
Concen: 192.918 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 895703
Ion Ratio Lower Upper
128 100
127 12.8 11.1 16.7
129 10.8 8.4 12.6



#92
1,2,3-Trichlorobenzene
Concen: 182.567 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN063031.D
Acq: 20 Aug 2020 11:48

Tgt Ion:180 Resp: 382977
Ion Ratio Lower Upper
180 100
182 95.6 0.0 188.0
145 30.4 0.0 62.0

