

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056682.D
 Acq On : 12 Jul 2019 11:45
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 12 23:45:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	51459	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	298068	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	269446	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	106672	30.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.83%
60) 4-Bromofluorobenzene	12.40	95	127883	30.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.53%
63) Toluene-d8	10.09	98	360814	28.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	468849	175.236	ug/l 99
3) Chloromethane	2.06	50	626076	163.914	ug/l 99
4) Vinyl Chloride	2.18	62	610058	167.893	ug/l 99
5) Bromomethane	2.53	94	344659	174.792	ug/l 98
6) Chloroethane	2.68	64	300004	148.672	ug/l 99
7) Trichlorofluoromethane	3.00	101	759566	163.202	ug/l 98
8) Diethyl Ether	3.41	74	318435	163.435	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	468057	159.130	ug/l 99
10) 1,1-Dichloroethene	3.73	96	476200	166.139	ug/l 96
11) Methyl Iodide	3.95	142	718318	176.285	ug/l 99
12) Methyl Acetate	4.32	43	582015	151.499	ug/l 97
13) Acrolein	3.60	56	202491	578.082	ug/l 100
14) Acrylonitrile	4.99	53	1424753	842.283	ug/l 99
15) Acetone	3.82	58	442937	856.377	ug/l 96
16) Carbon Disulfide	4.05	76	1318678	186.696	ug/l 100
17) Allyl chloride	4.32	41	852166	169.535	ug/l 97
18) Methylene Chloride	4.55	84	551251	162.448	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	506470	162.738	ug/l 99
20) Diisopropyl ether	5.95	45	1654982	160.653	ug/l 93
21) 1,1-Dichloroethane	5.85	63	937697	161.040	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	589782	161.375	ug/l 99
23) tert-Butyl Alcohol	4.79	59	499448	787.438	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	1529412	162.148	ug/l 99
25) Chloroform	7.37	83	905918	158.429	ug/l 99
26) Cyclohexane	7.65	56	881859	163.200	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	716628	158.242	ug/l 100
30) 2-Butanone	6.83	43	2003530	785.961	ug/l 99
31) 2,2-Dichloropropane	6.82	77	703236	161.430	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	768862	159.799	ug/l 99
33) Carbon Tetrachloride	7.77	117	675418	164.420	ug/l 98
34) Benzene	8.04	78	2175932	154.320	ug/l # 92
35) Methacrylonitrile	7.17	41	332495	158.362	ug/l 97
36) 1,2-Dichloroethane	8.12	62	684284	149.635	ug/l 99
37) Trichloroethene	8.83	130	592429	159.475	ug/l 98
38) Methylcyclohexane	9.08	83	919226	161.606	ug/l 98
39) 1,2-Dichloropropane	9.12	63	585044	154.561	ug/l 99
40) Dibromomethane	9.21	93	368946	156.869	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	717739	164.098	ug/l	99
42) Vinyl Acetate	5.89	43	7130243	802.104	ug/l	100
43) Ethyl Acetate	6.93	43	748815	155.402	ug/l	97
44) Isopropyl Acetate	8.16	43	1212774	161.841	ug/l	99
45) 1,4-Dioxane	9.20	88	231813	3114.466	ug/l	99
46) Methyl methacrylate	9.20	41	590821	160.204	ug/l	99
47) n-amyl Acetate	12.07	43	1061982	171.052	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	823824	175.380	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	914750	169.396	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	540164	156.485	ug/l	99
51) Ethyl methacrylate	10.43	69	897723	166.255	ug/l	97
52) 1,3-Dichloropropane	10.71	76	916265	155.563	ug/l	99
53) Dibromochloromethane	10.90	129	591169	173.492	ug/l	100
54) 1,2-Dibromoethane	11.00	107	584259	162.181	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	2142857	785.748	ug/l	99
56) Bromoform	12.13	173	463303	185.700	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	3813139	775.177	ug/l	99
59) 2-Hexanone	10.75	43	2889137	780.832	ug/l	99
61) Tetrachloroethene	10.63	164	544643	154.813	ug/l	99
62) Toluene	10.16	91	2355921	153.692	ug/l	98
64) Chlorobenzene	11.43	112	1465840	158.523	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	545261	162.513	ug/l	100
66) Ethyl Benzene	11.51	91	2632536	158.220	ug/l	100
67) m/p-Xylenes	11.62	106	1977200	320.077	ug/l	100
68) o-Xylene	11.95	106	950580	156.838	ug/l	99
69) Styrene	11.96	104	1663128	165.057	ug/l	99
70) Isopropylbenzene	12.25	105	2528196	159.262	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	807667	154.739	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	1042665	238.111	ug/l	63
73) Bromobenzene	12.53	156	671575	163.849	ug/l	99
74) n-propylbenzene	12.59	91	2938996	162.381	ug/l	99
75) 2-Chlorotoluene	12.67	91	1722217	159.591	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	2156947	159.485	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	280567	197.010	ug/l	89
78) 4-Chlorotoluene	12.77	91	1771975	169.195	ug/l	99
79) tert-butylbenzene	12.99	119	1834500	159.301	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	2168048	162.251	ug/l	99
81) sec-Butylbenzene	13.17	105	2458822	160.812	ug/l	100
82) p-Isopropyltoluene	13.29	119	2289514	165.777	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1172478	171.657	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	1151847	175.209	ug/l	99
85) n-Butylbenzene	13.61	91	1990663	172.230	ug/l	99
86) Hexachloroethane	13.87	117	387605	184.527	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	1140764	165.741	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	158121	170.041	ug/l	98
89) 1,2,4-Trichlorobenzene	14.90	180	717102	188.980	ug/l	98
90) Hexachlorobutadiene	15.01	225	376014	156.931	ug/l	99
91) Naphthalene	15.13	128	2032001	194.491	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	717663	180.660	ug/l	99

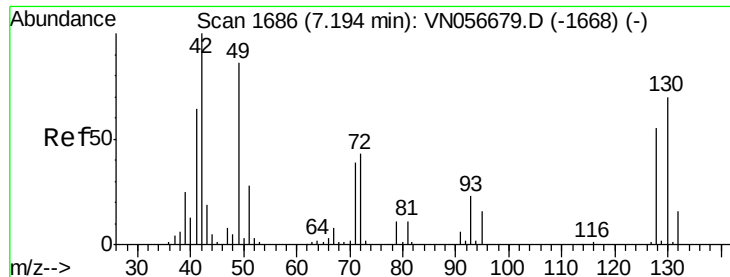
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

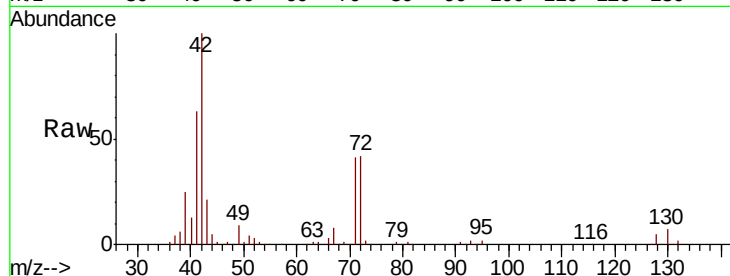
Tot Ion:128 Resp: 51459

Ion Ratio Lower Upper

128 100

49 173.5 0.0 390.5

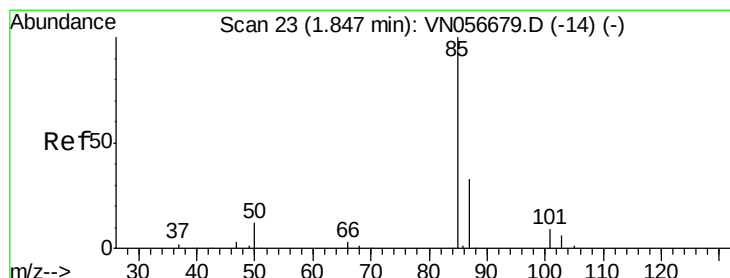
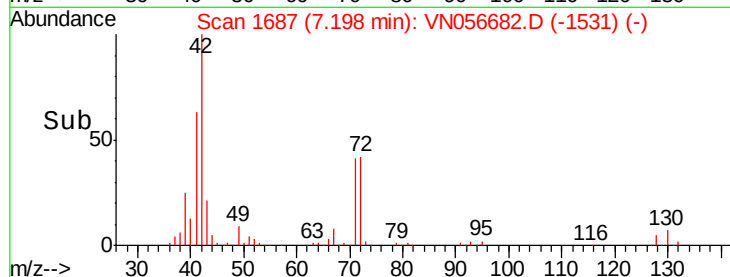
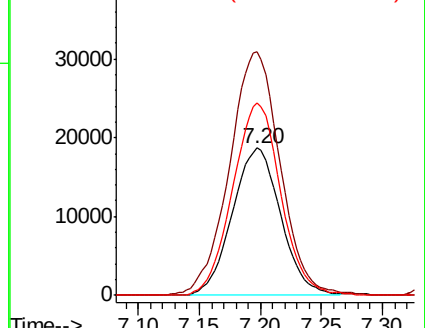
130 129.7 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 175.236 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056682.D

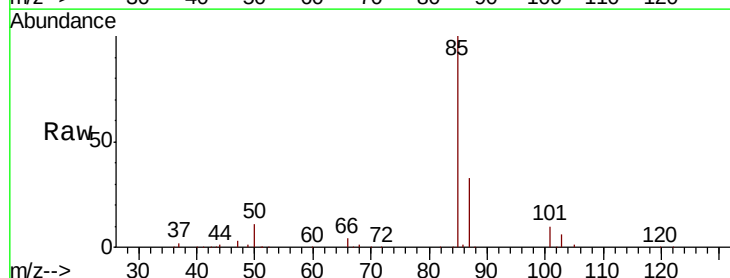
Acq: 12 Jul 2019 11:45

Tgt Ion: 85 Resp: 468849

Ion Ratio Lower Upper

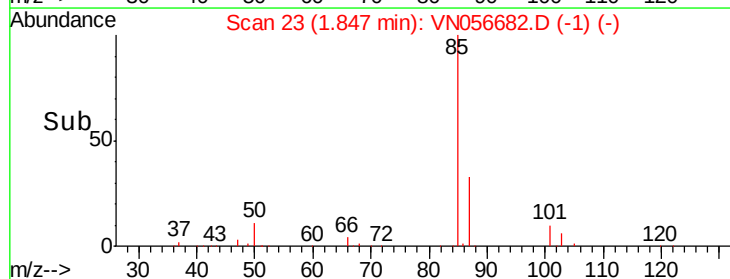
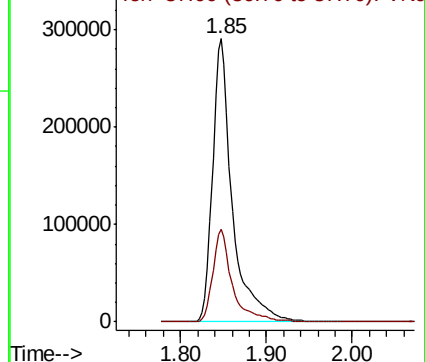
85 100

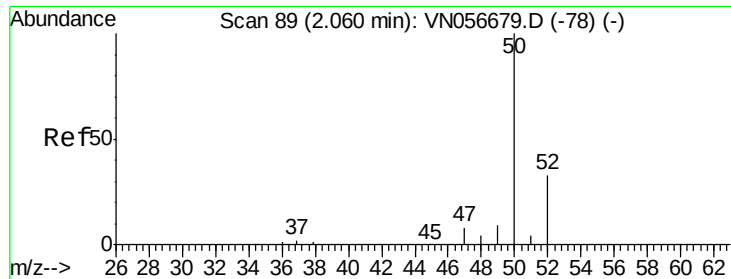
87 32.7 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 163.914 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

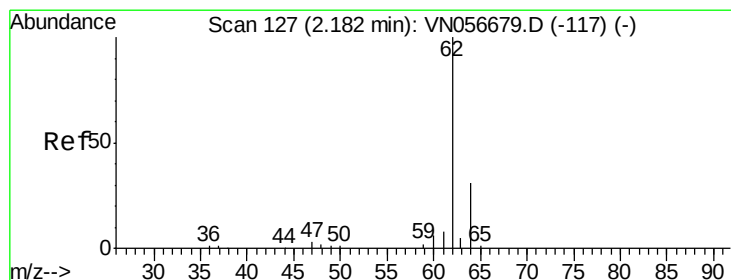
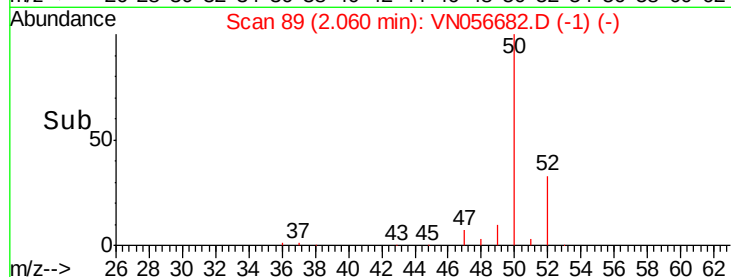
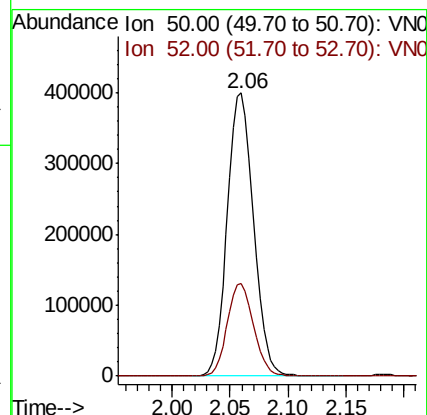
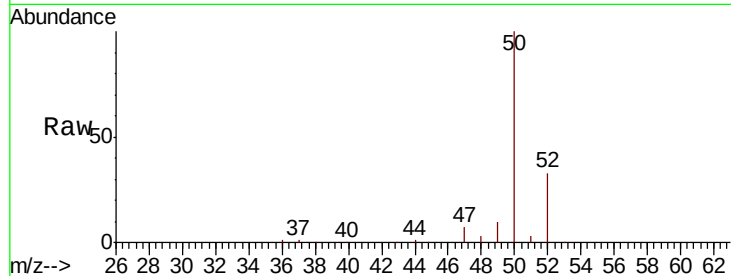
VSTDIC150

Tot Ion: 50 Resp: 626076

Ion Ratio Lower Upper

50 100

52 32.8 26.5 39.7



#4

Vinyl Chloride

Concen: 167.893 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056682.D

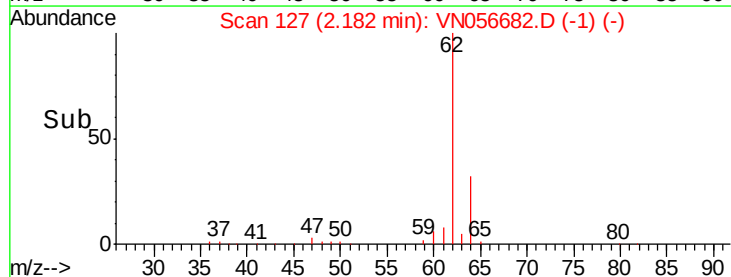
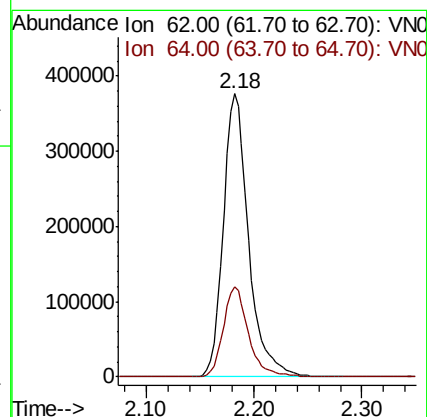
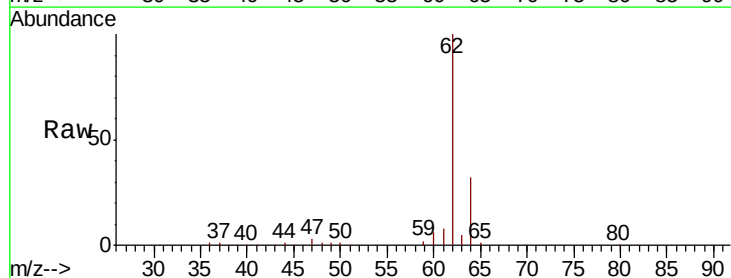
Acq: 12 Jul 2019 11:45

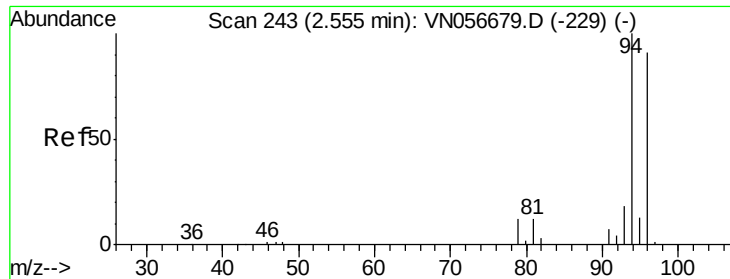
Tgt Ion: 62 Resp: 610058

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.4

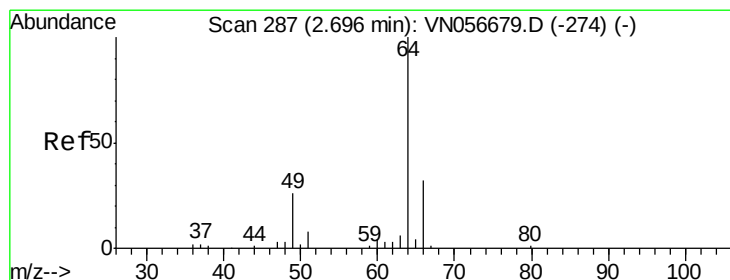
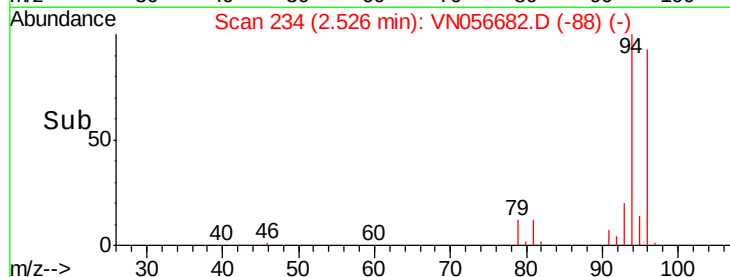
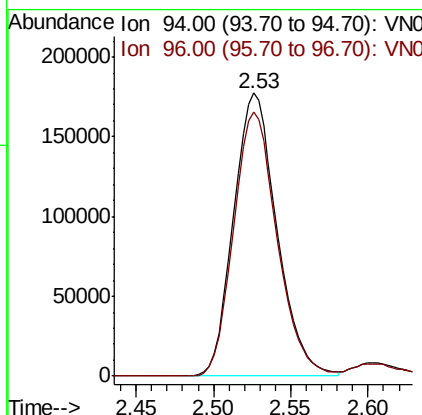
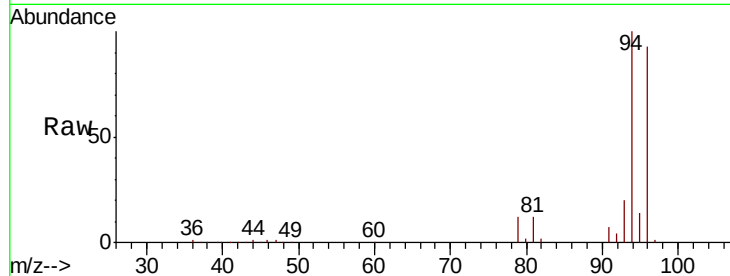




#5
Bromomethane
Concen: 174.792 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.03 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

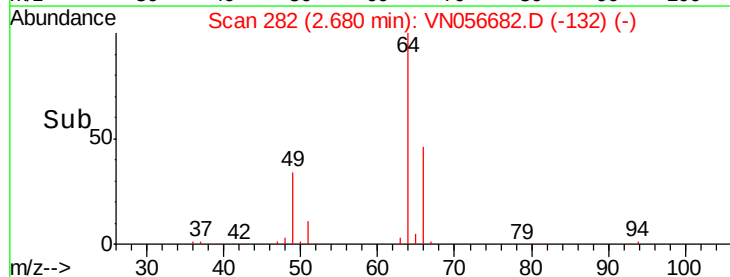
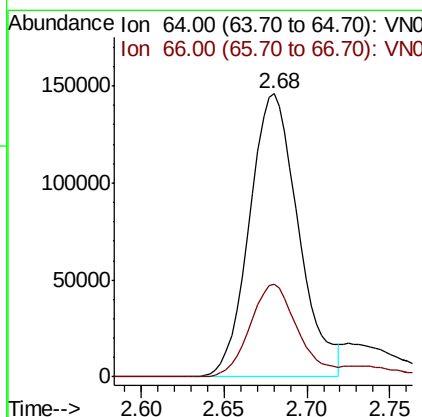
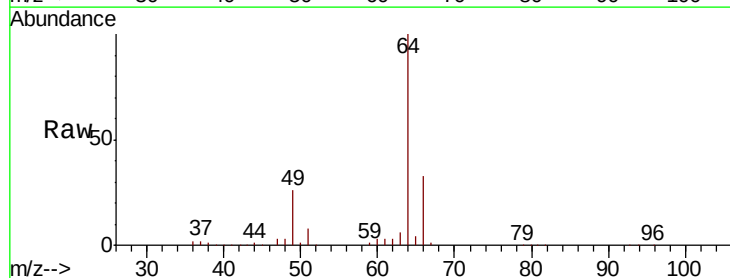
Instrument :
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VSTDIC150

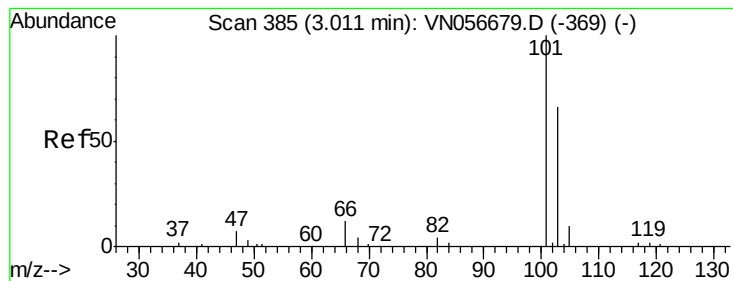
Tot Ion: 94 Resp: 344659
Ion Ratio Lower Upper
94 100
96 93.3 72.8 109.2



#6
Chloroethane
Concen: 148.672 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.02 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 64 Resp: 300004
Ion Ratio Lower Upper
64 100
66 32.9 25.7 38.5



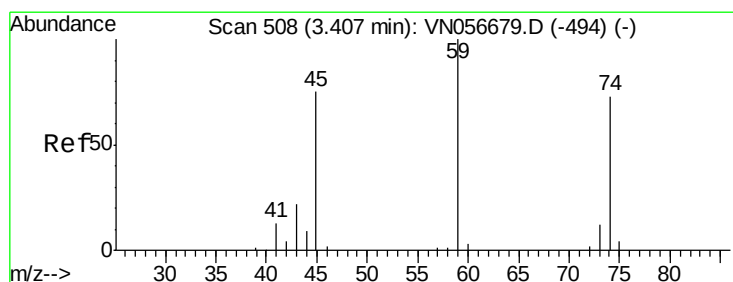
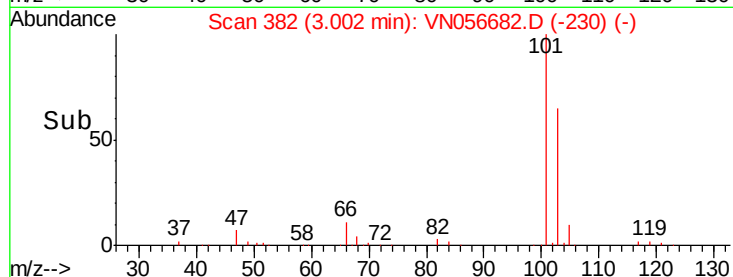
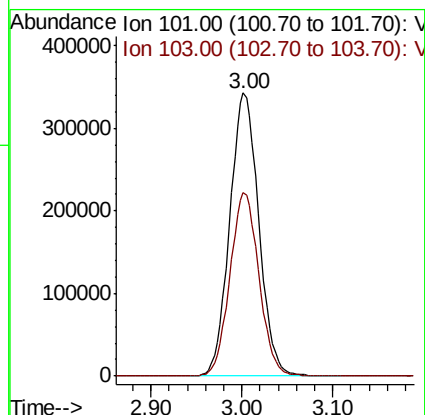
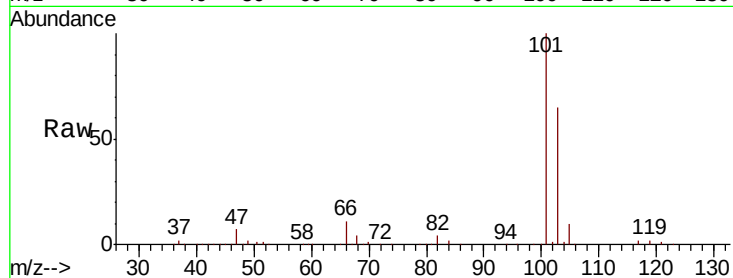


#7

Trichlorofluoromethane
Concen: 163.202 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
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ClientSampleId :
VSTDIC150

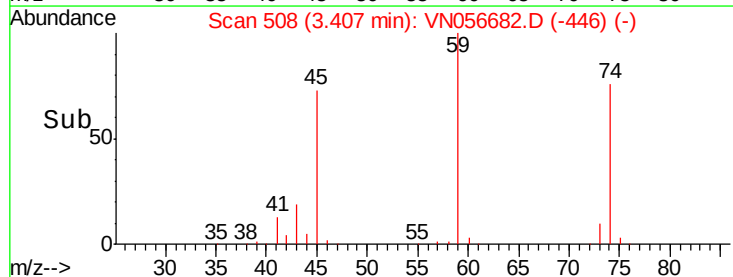
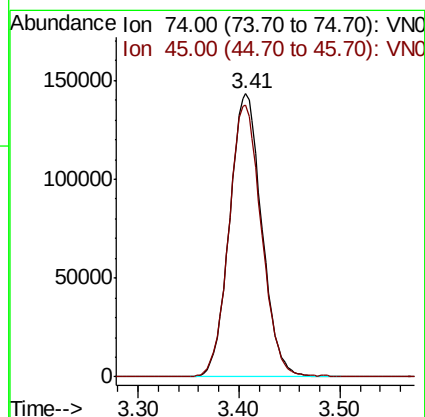
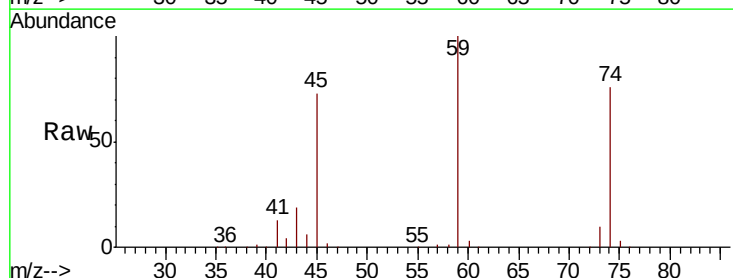
Tot Ion:101 Resp: 759566
Ion Ratio Lower Upper
101 100
103 64.7 52.8 79.2

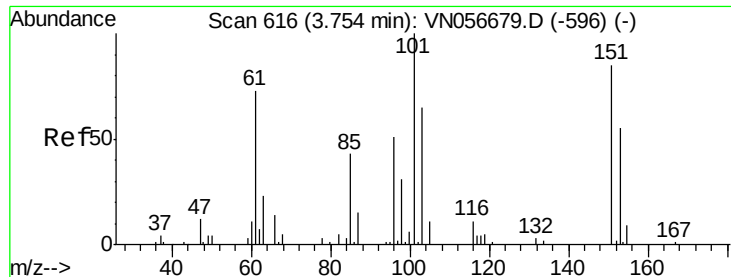


#8

Diethyl Ether
Concen: 163.435 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 74 Resp: 318435
Ion Ratio Lower Upper
74 100
45 96.6 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 159.130 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

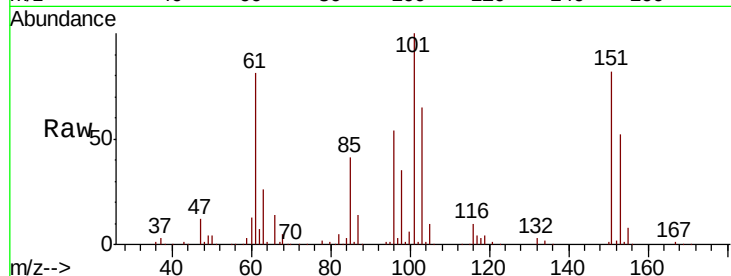
Tot Ion:101 Resp: 468057

Ion Ratio Lower Upper

101 100

85 41.3 0.0 84.2

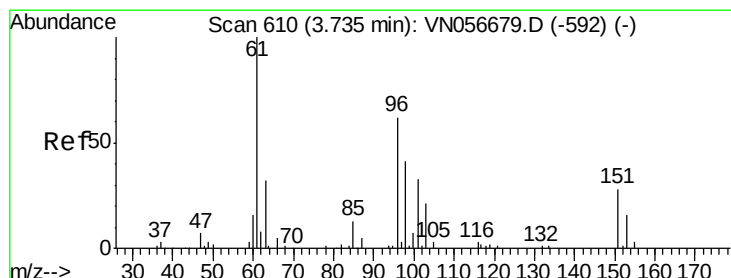
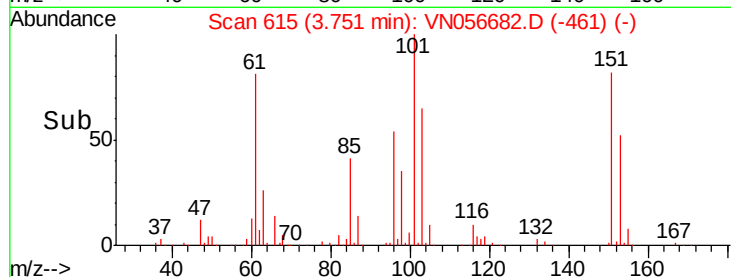
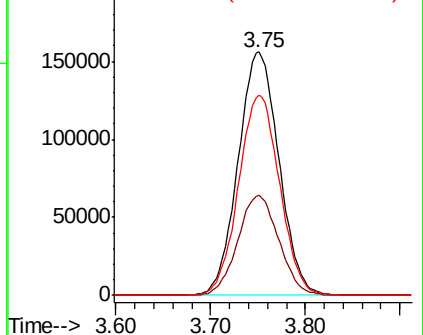
151 82.6 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 166.139 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

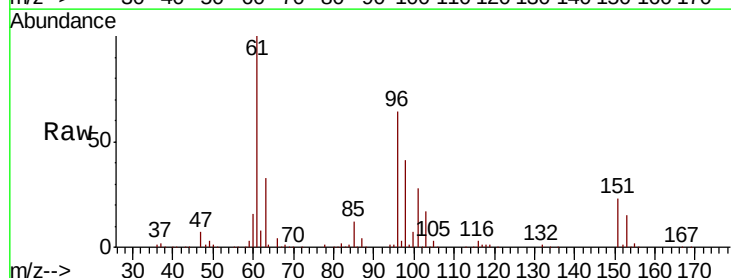
Tgt Ion: 96 Resp: 476200

Ion Ratio Lower Upper

96 100

61 155.4 129.0 193.4

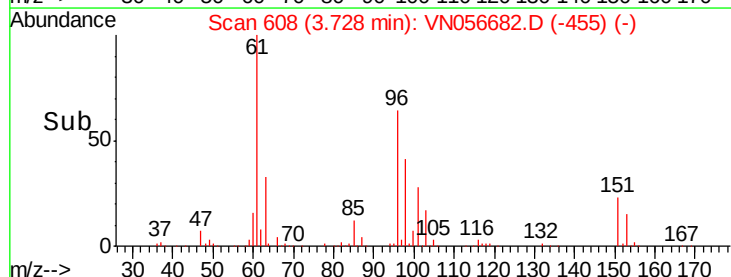
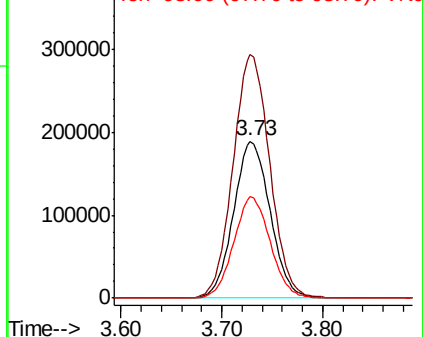
98 64.5 52.5 78.7

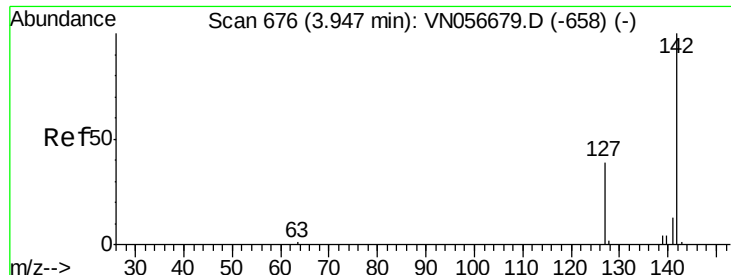


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

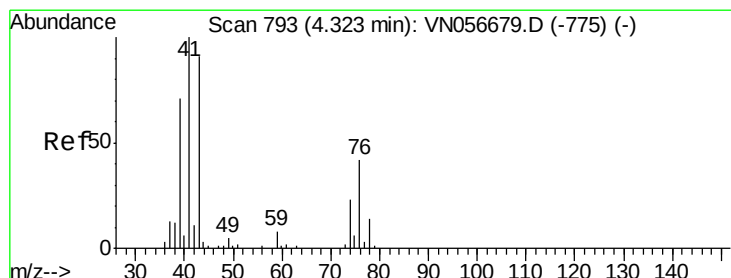
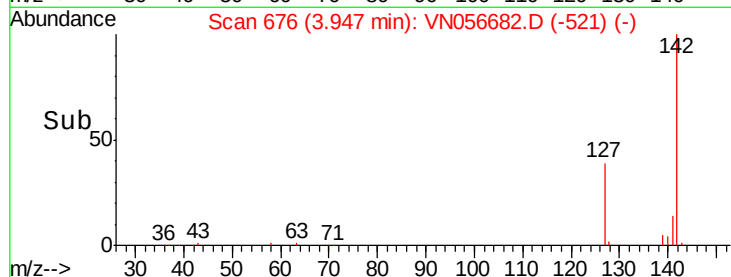
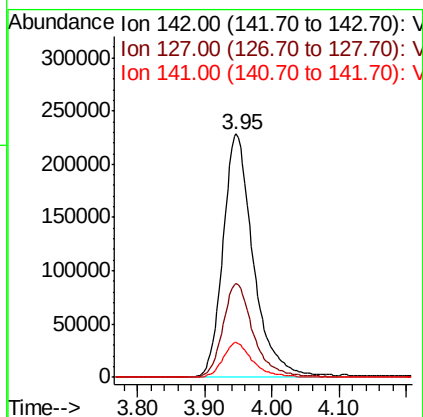
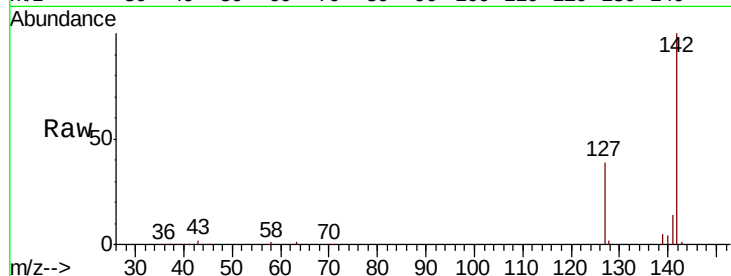




#11
Methvl Iodide
Concen: 176.285 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

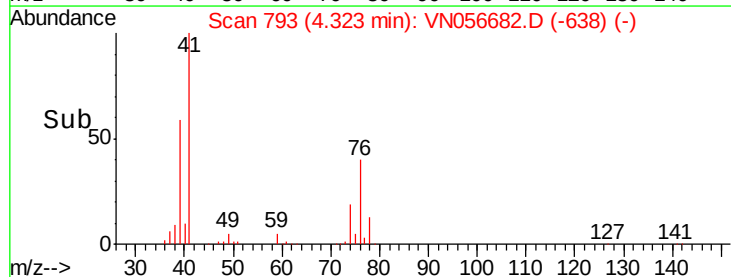
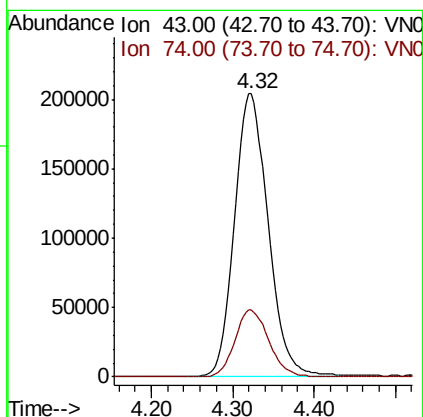
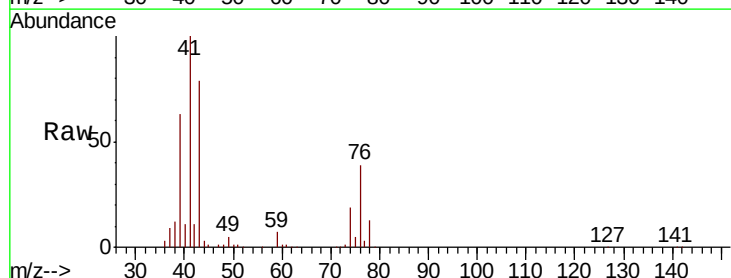
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

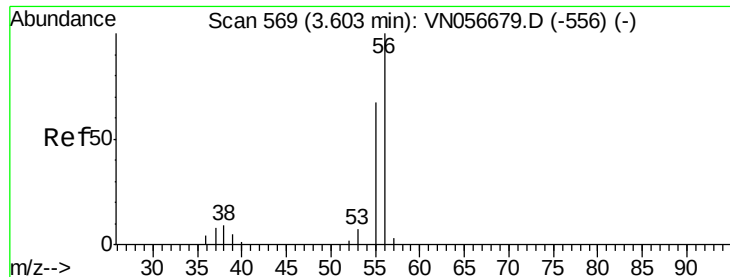
Tot Ion:142 Resp: 718318
Ion Ratio Lower Upper
142 100
127 38.5 19.5 58.5
141 14.4 6.8 20.3



#12
Methyl Acetate
Concen: 151.499 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 43 Resp: 582015
Ion Ratio Lower Upper
43 100
74 23.6 20.2 30.4





#13

Acrolein

Concen: 578.082 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

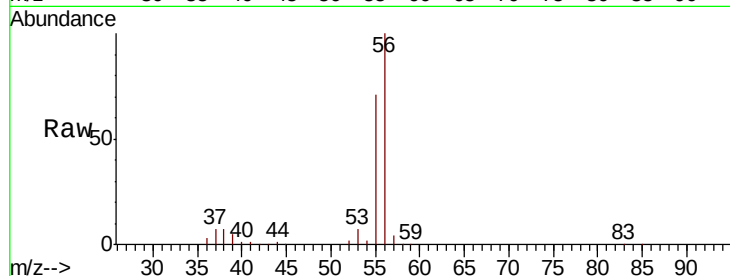
VSTDIC150

Tot Ion: 56 Resp: 202491

Ion Ratio Lower Upper

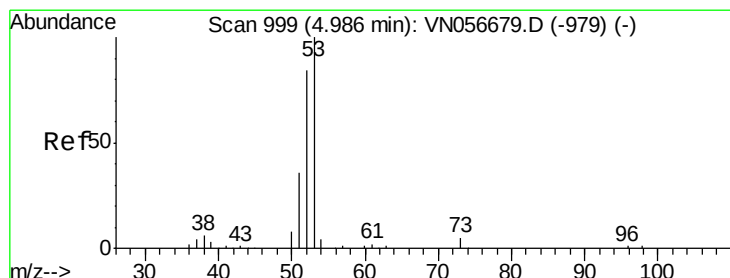
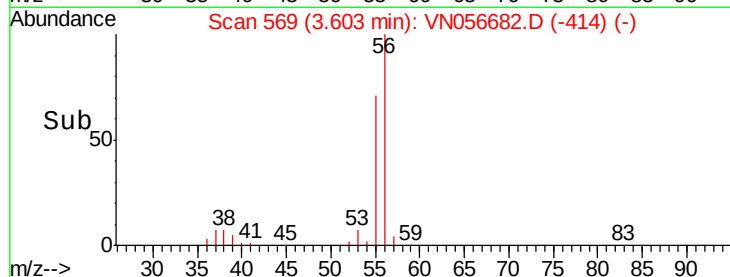
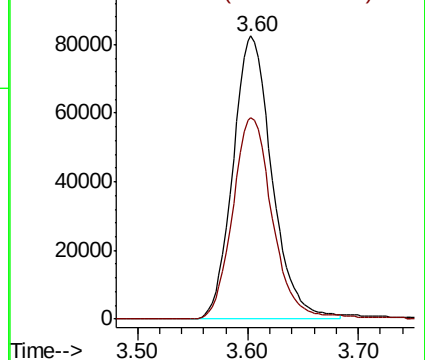
56 100

55 71.1 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 842.283 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

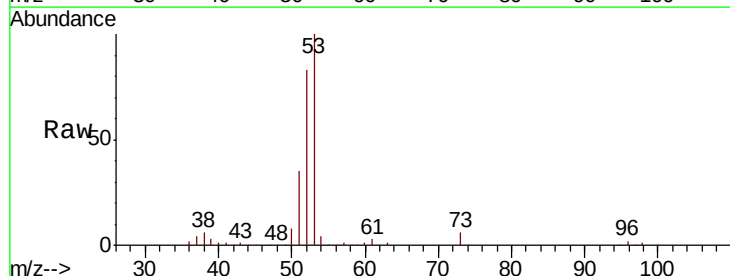
Tgt Ion: 53 Resp: 1424753

Ion Ratio Lower Upper

53 100

52 82.0 41.3 123.7

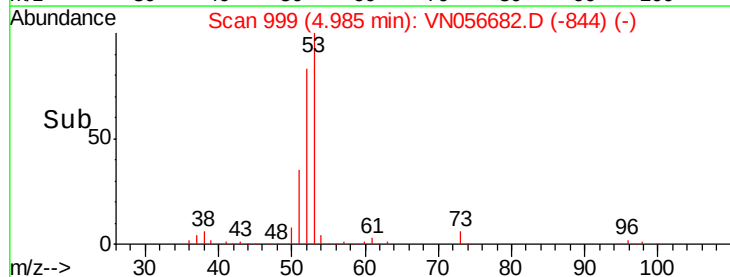
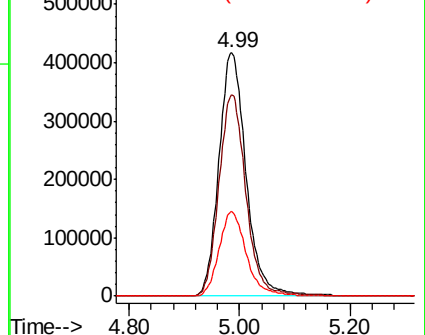
51 34.8 17.7 53.1

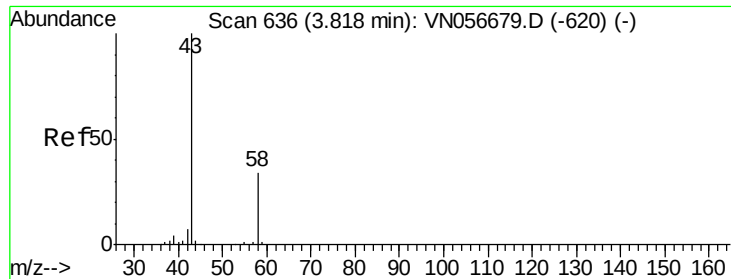


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

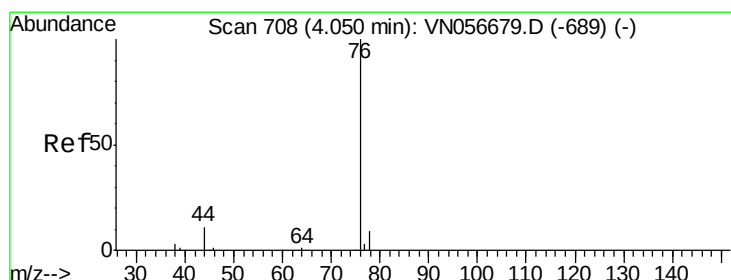
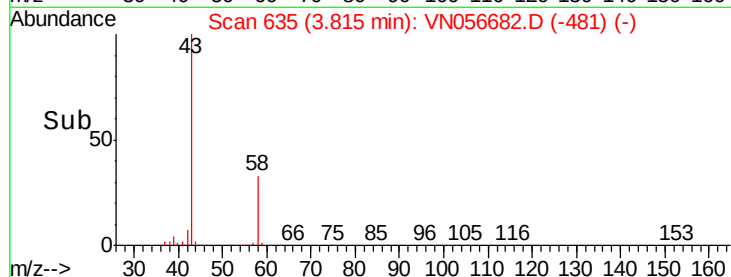
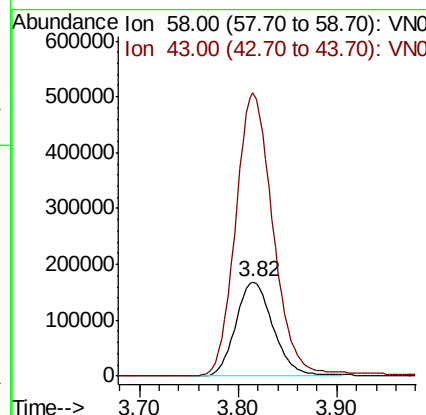
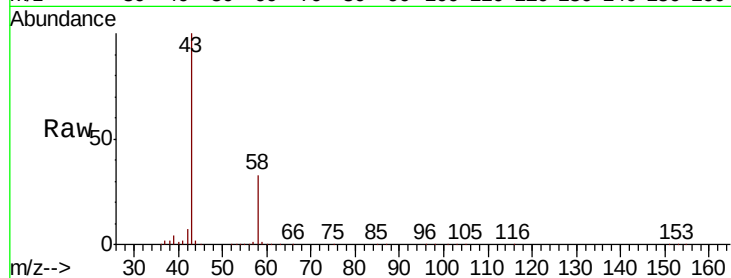




#15
Acetone
Concen: 856.377 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

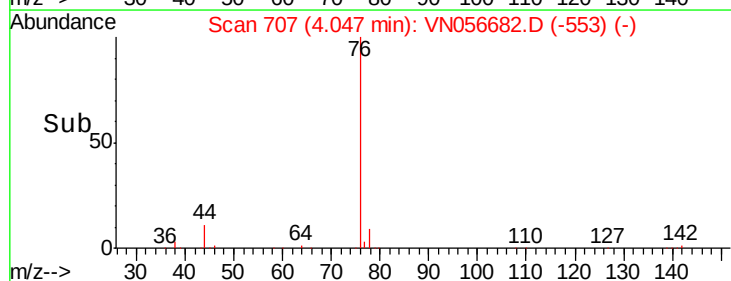
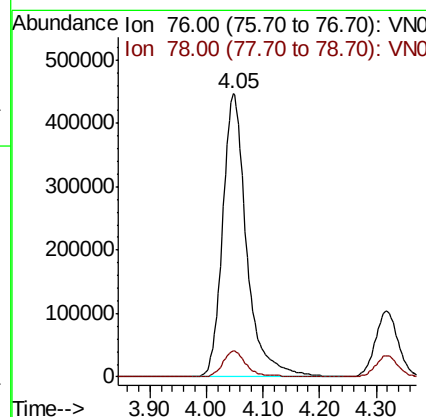
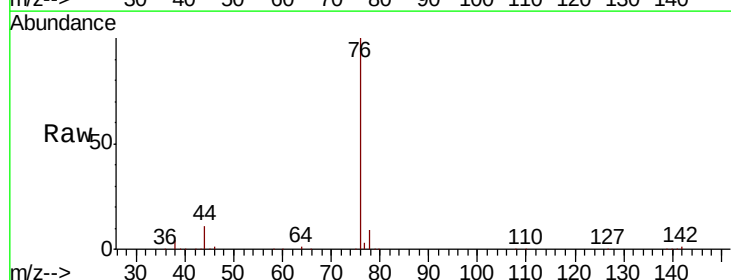
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

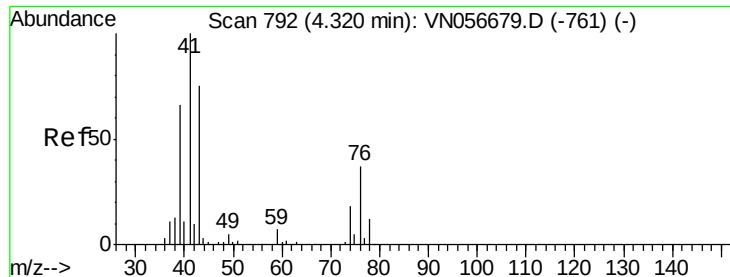
Tot Ion: 58 Resp: 442937
Ion Ratio Lower Upper
58 100
43 299.2 233.9 350.9



#16
Carbon Disulfide
Concen: 186.696 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 76 Resp: 1318678
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

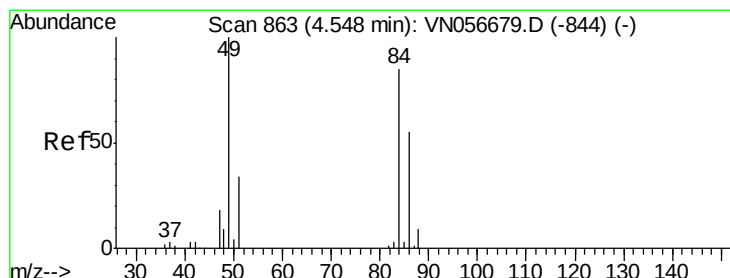
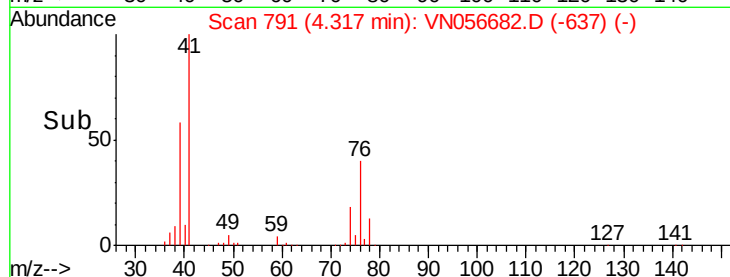
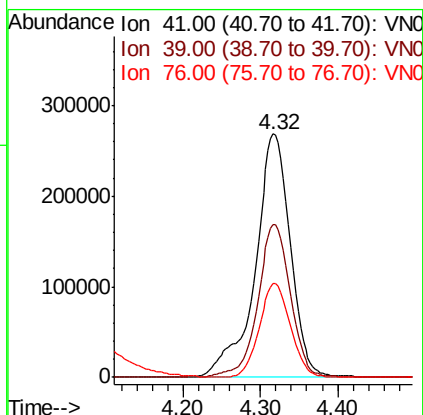
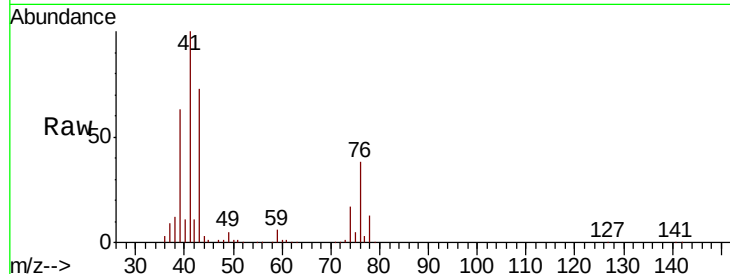




#17
Allvl chloride
Concen: 169.535 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

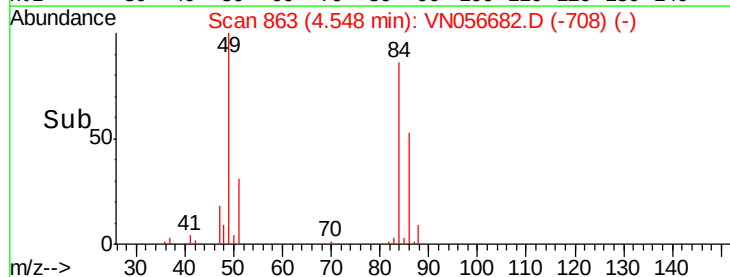
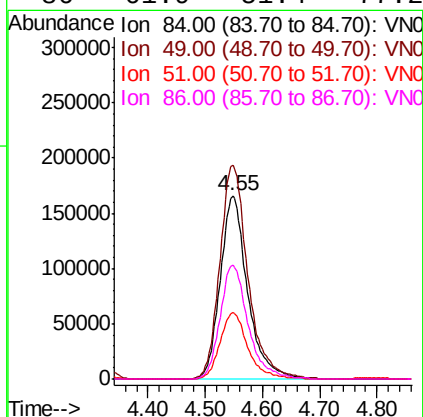
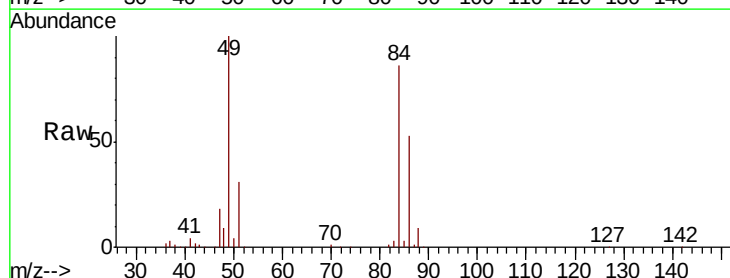
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

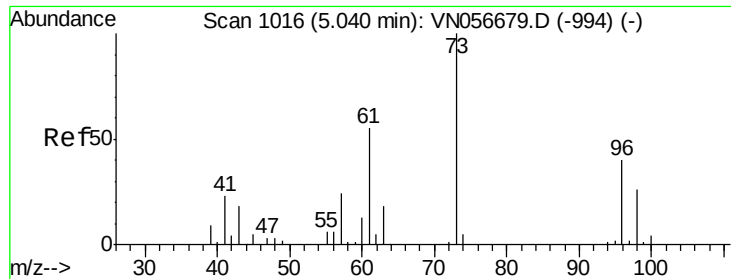
Tot Ion: 41 Resp: 852166
Ion Ratio Lower Upper
41 100
39 62.6 32.8 98.4
76 38.2 18.5 55.5



#18
Methylene Chloride
Concen: 162.448 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 84 Resp: 551251
Ion Ratio Lower Upper
84 100
49 116.4 93.9 140.9
51 36.3 31.7 47.5
86 61.9 51.4 77.2

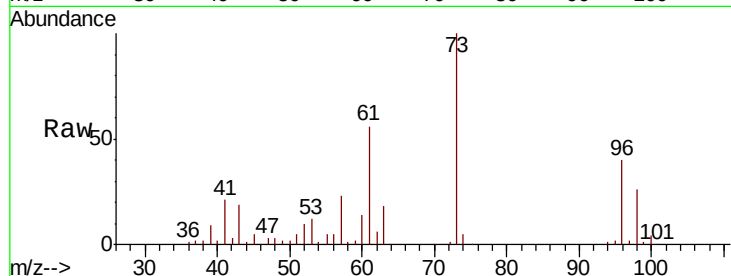




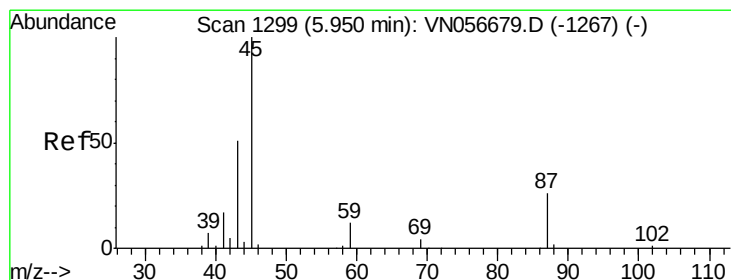
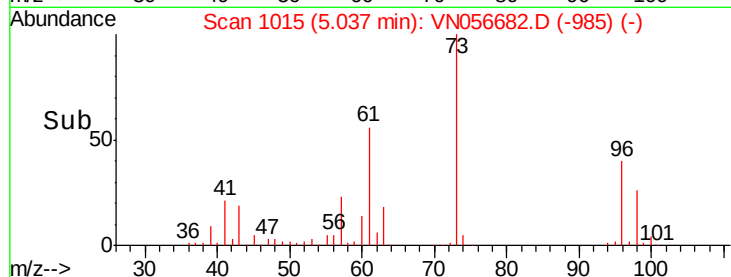
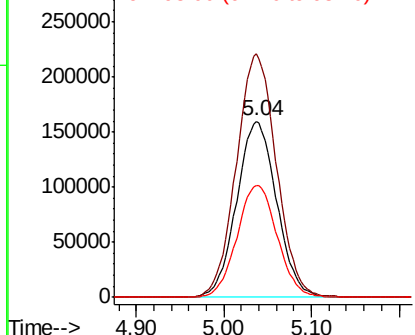
#19
trans-1,2-Dichloroethene
Concen: 162.738 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 506470
Ion Ratio Lower Upper
96 100
61 138.3 109.6 164.4
98 63.7 51.4 77.2

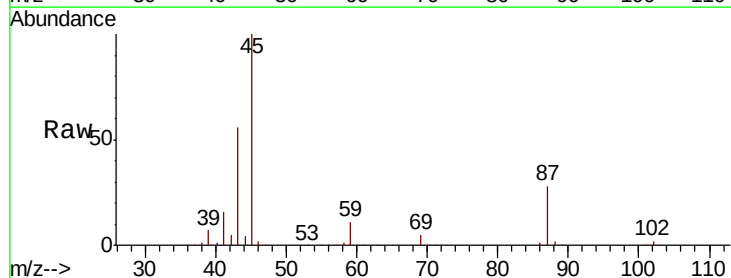


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

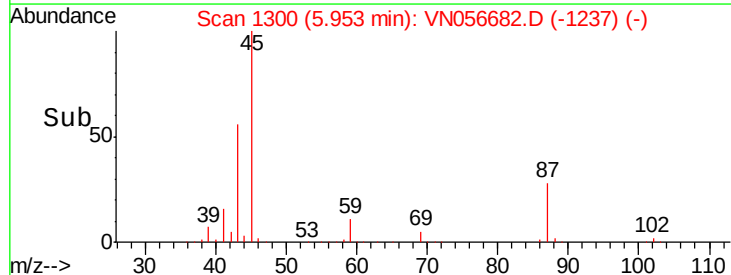
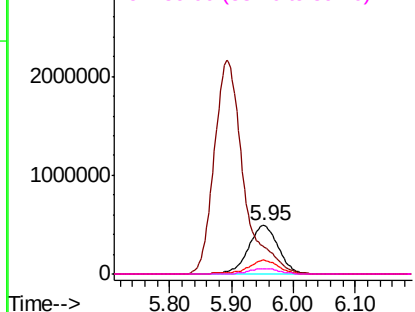


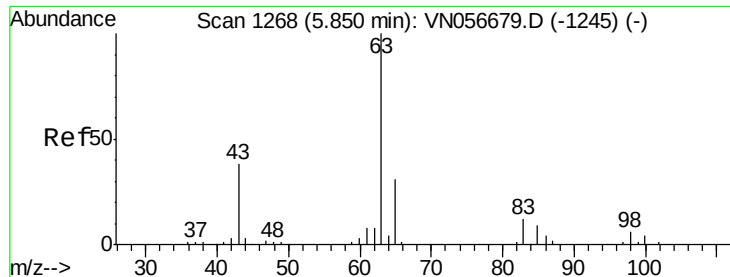
#20
Diisopropyl ether
Concen: 160.653 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 45 Resp: 1654982
Ion Ratio Lower Upper
45 100
43 55.0 50.3 75.5
87 28.1 21.4 32.0
59 11.4 9.7 14.5



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

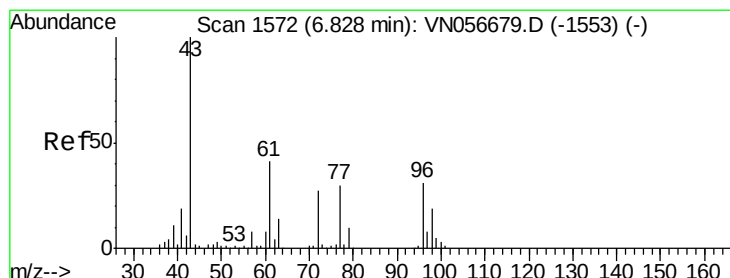
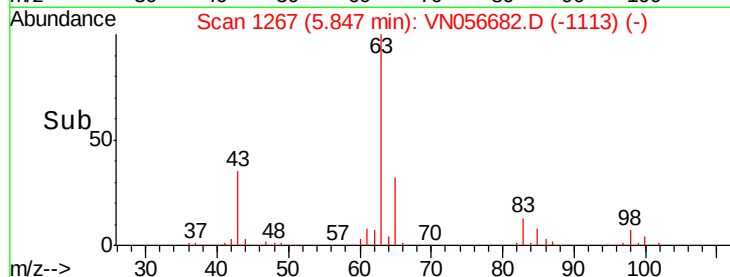
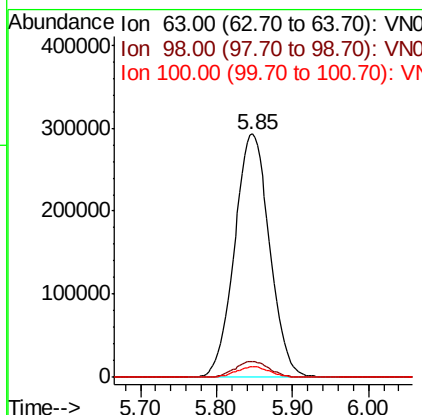
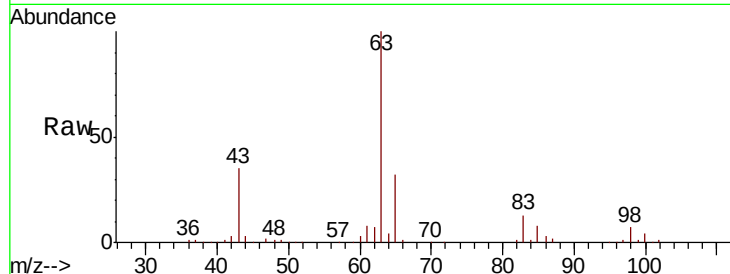




#21
 1,1-Dichloroethane
 Concen: 161.040 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

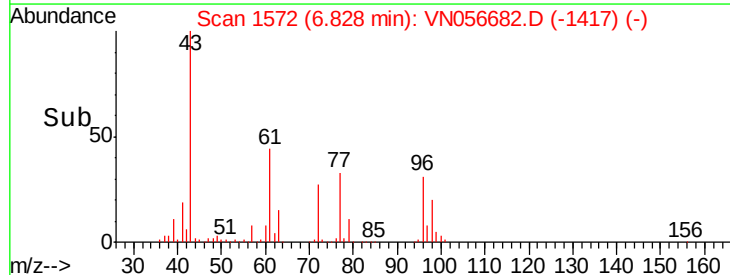
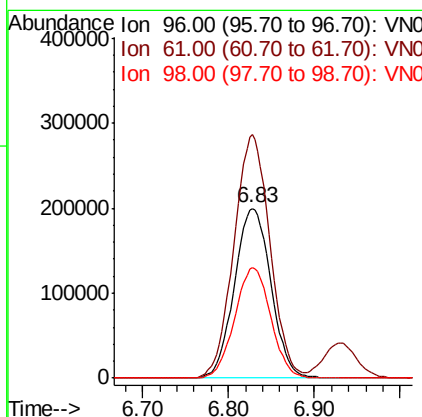
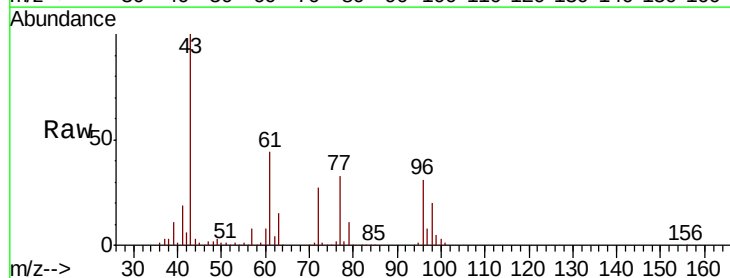
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

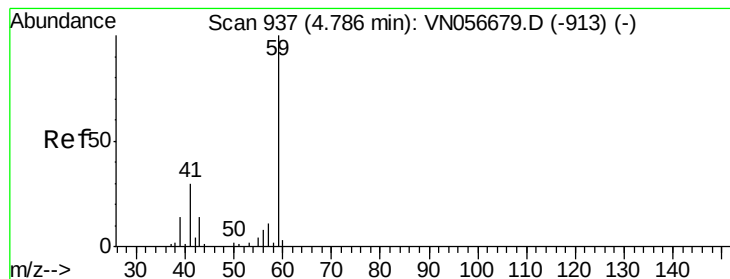
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.8
100	4.3	2.1	6.3



#22
 cis-1,2-Dichloroethene
 Concen: 161.375 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.6	112.1	168.1
98	64.2	52.2	78.2



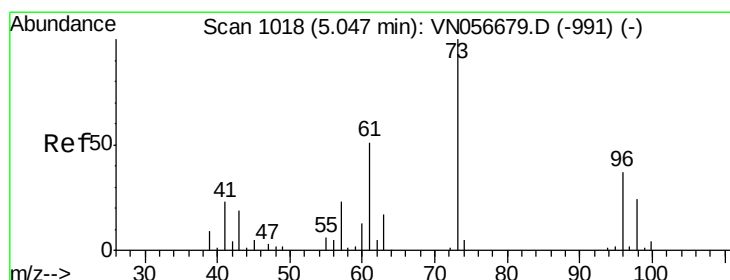
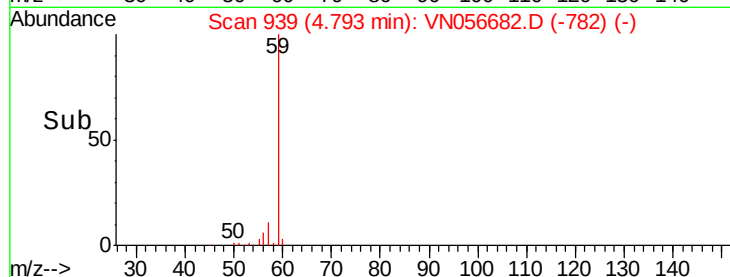
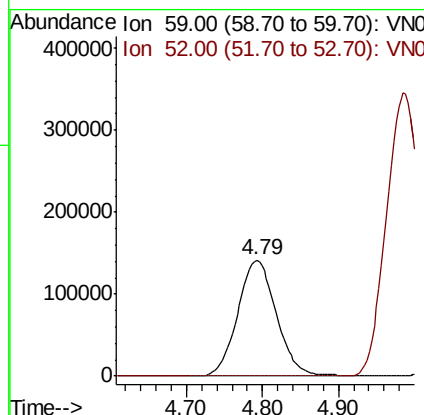
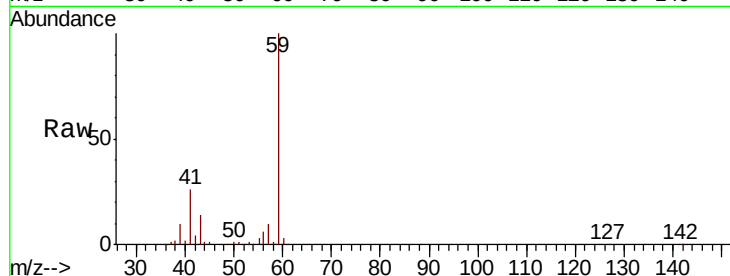


#23

tert-Butyl Alcohol
 Concen: 787.438 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

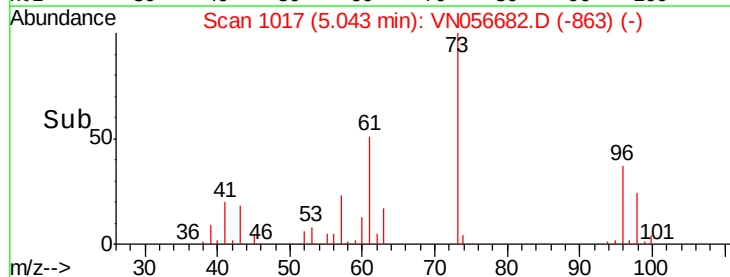
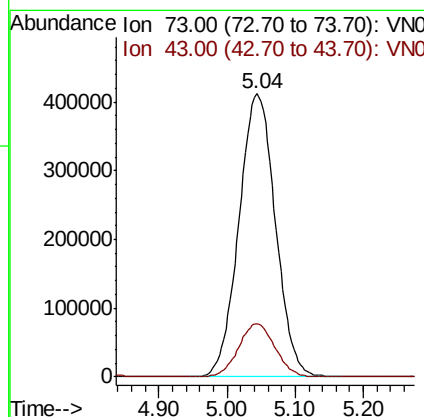
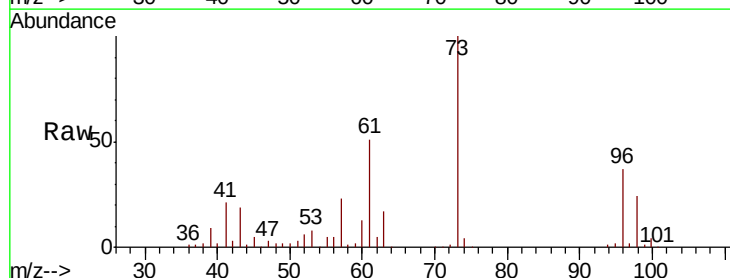
Tot Ion: 59 Resp: 499448
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1#

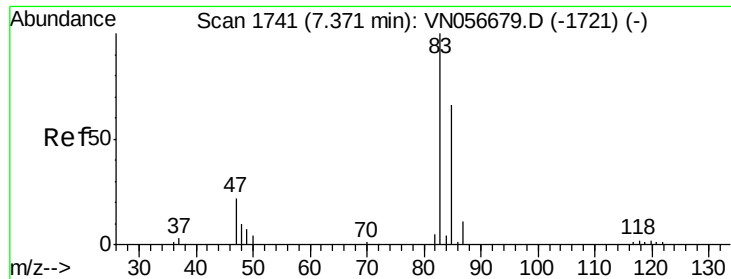


#24

Methyl tert-Butyl Ether
 Concen: 162.148 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion: 73 Resp: 1529412
 Ion Ratio Lower Upper
 73 100
 43 18.6 15.1 22.7

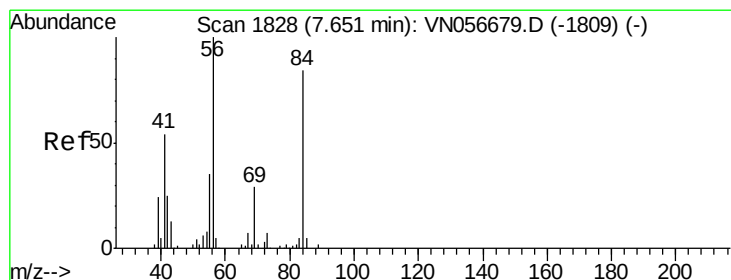
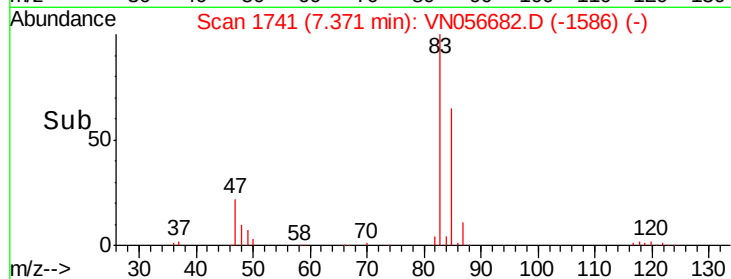
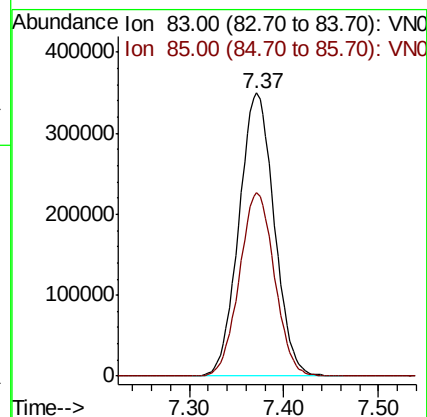
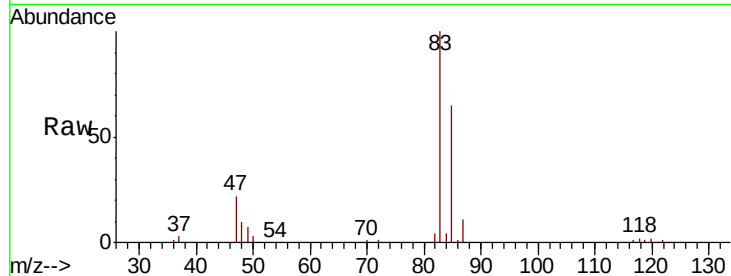




#25
Chloroform
Concen: 158.429 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

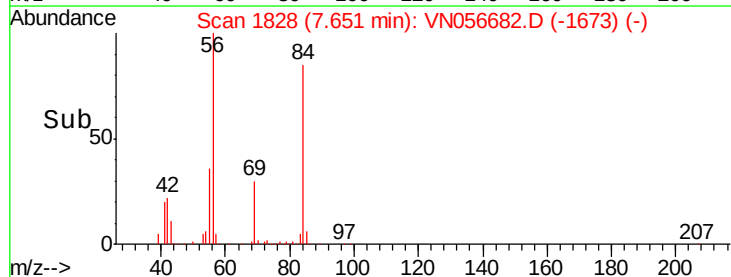
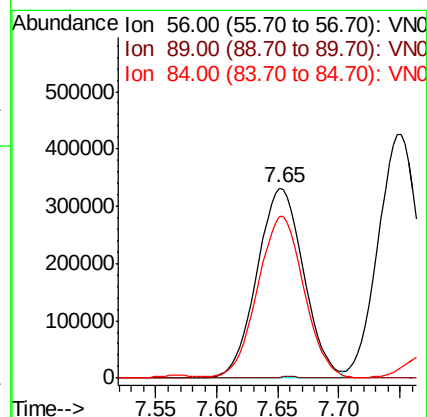
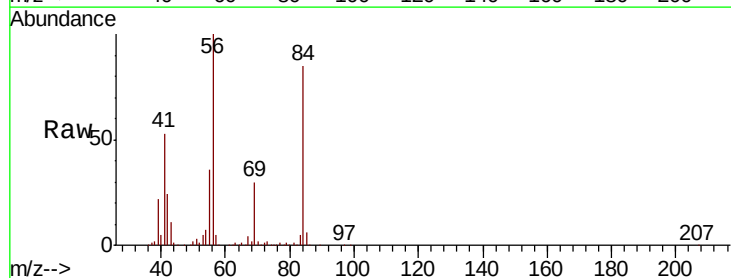
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

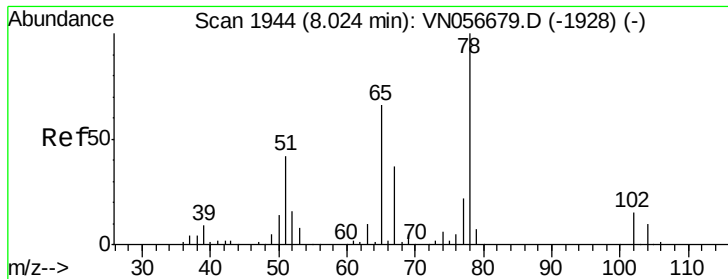
Tot Ion: 83 Resp: 905918
Ion Ratio Lower Upper
83 100
85 64.8 52.6 79.0



#26
Cyclohexane
Concen: 163.200 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 56 Resp: 881859
Ion Ratio Lower Upper
56 100
89 0.6 1.4 2.2#
84 84.6 68.2 102.4

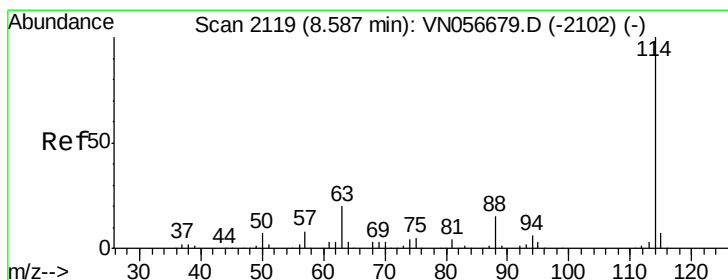
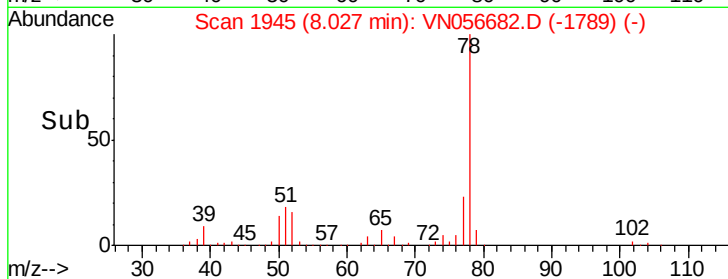
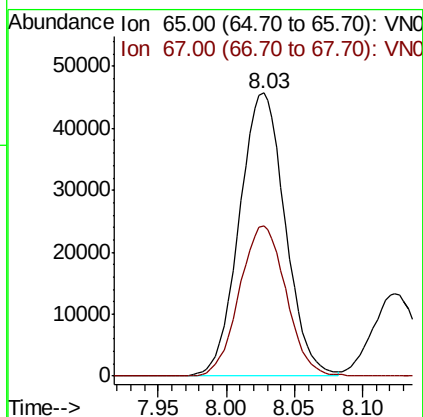
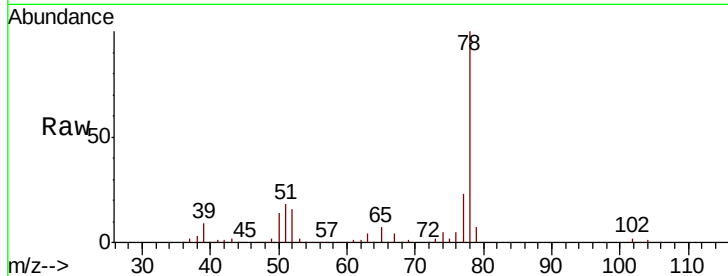




#27
 1,2-Dichloroethane-d4
 Concen: 30.252 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

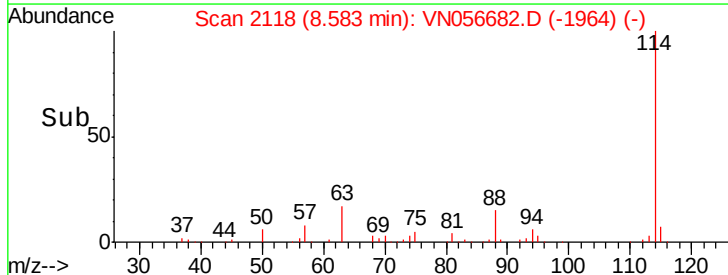
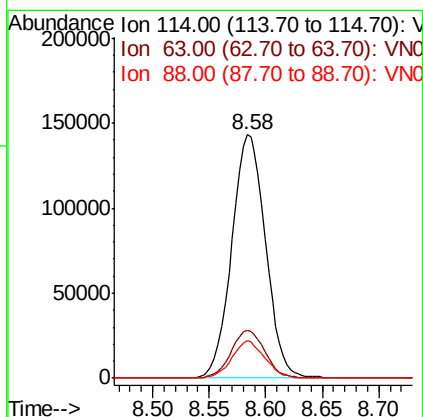
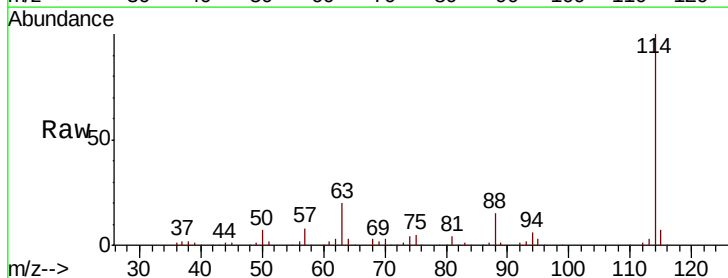
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

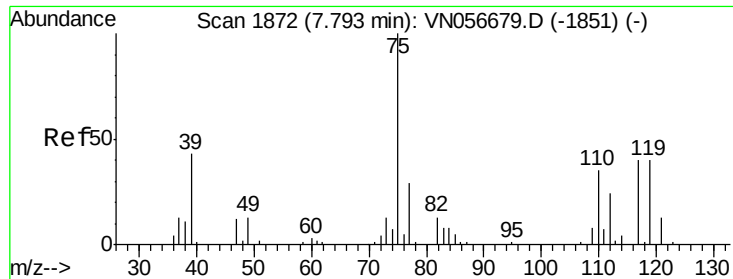
Tot Ion: 65 Resp: 106672
 Ion Ratio Lower Upper
 65 100
 67 53.8 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion: 114 Resp: 298068
 Ion Ratio Lower Upper
 114 100
 63 19.5 16.2 24.2
 88 14.9 12.3 18.5

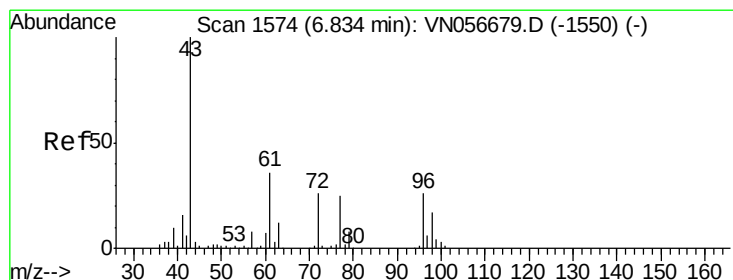
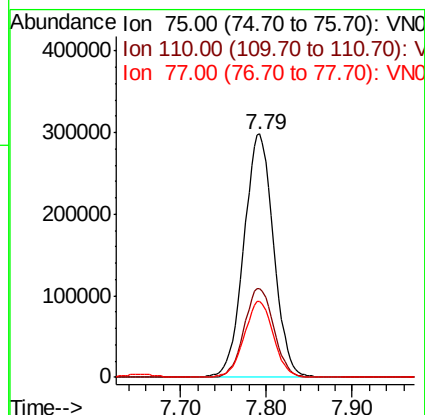
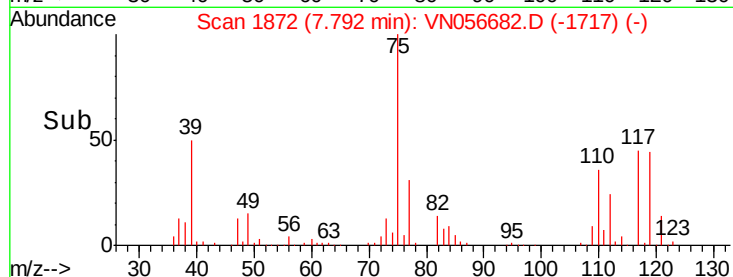
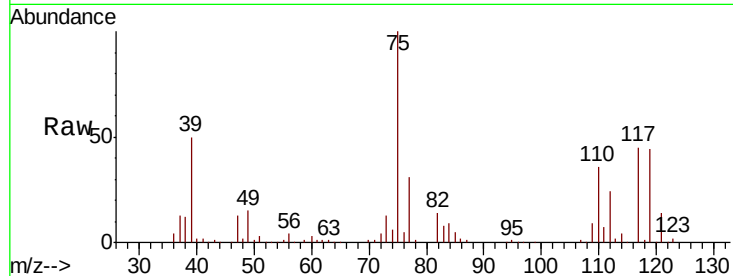




#29
 1,1-Dichloropropene
 Concen: 158.242 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

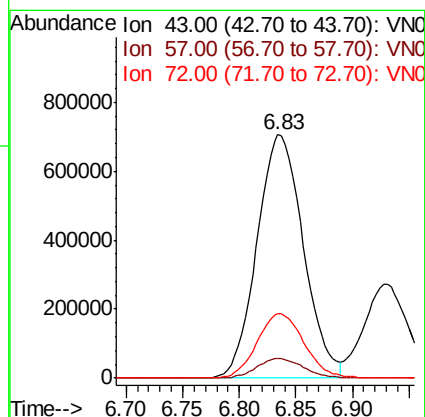
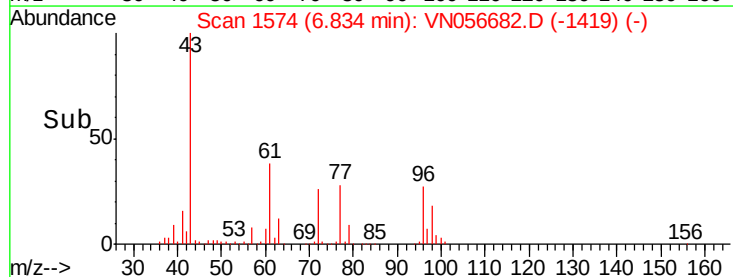
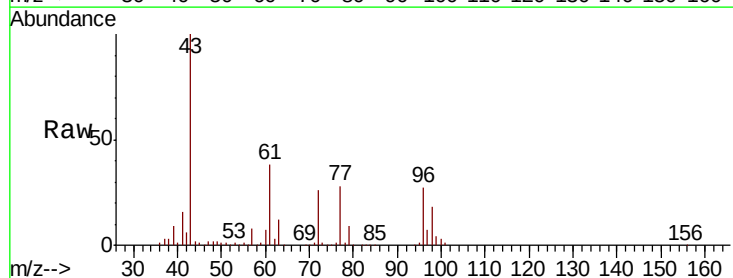
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

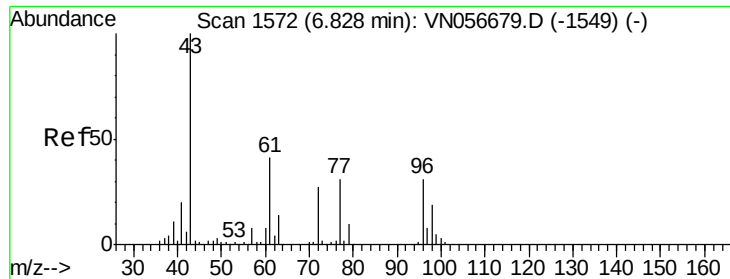
Tot Ion: 75 Resp: 716628
 Ion Ratio Lower Upper
 75 100
 110 36.5 0.0 72.4
 77 30.9 0.0 62.2



#30
 2-Butanone
 Concen: 785.961 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion: 43 Resp: 2003530
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.6 10.0
 72 27.1 21.3 31.9

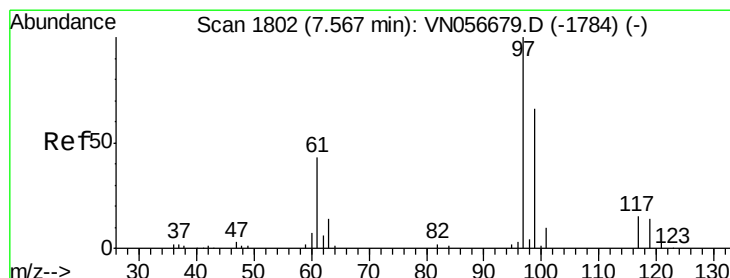
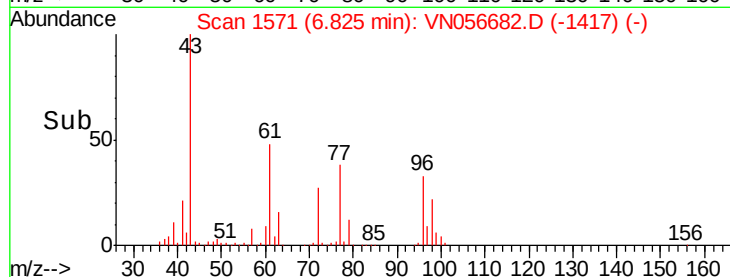
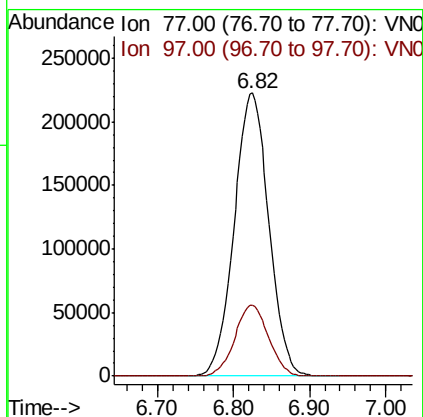
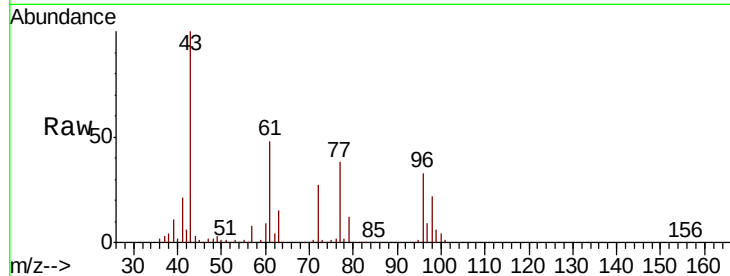




#31
 2,2-Dichloropropane
 Concen: 161.430 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

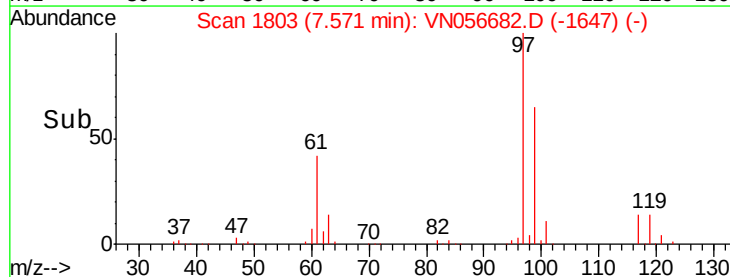
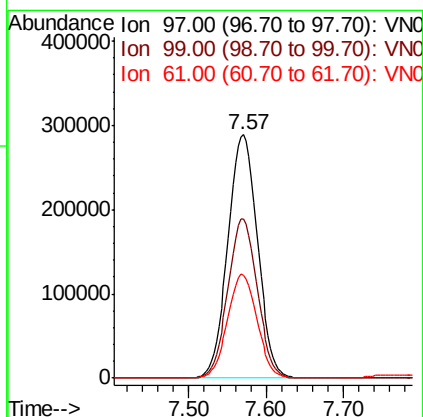
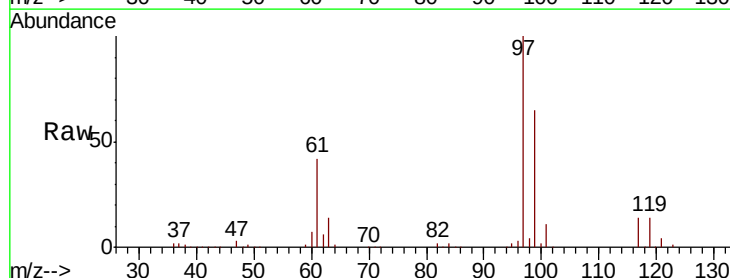
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

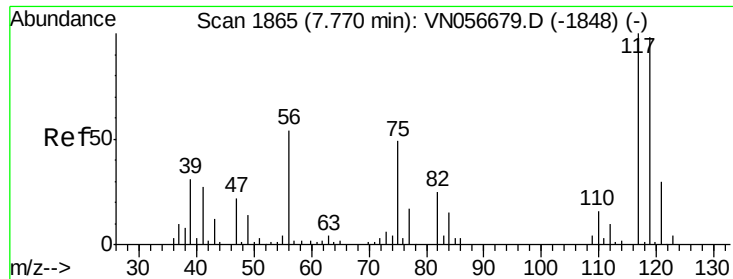
Tot Ion: 77 Resp: 703236
 Ion Ratio Lower Upper
 77 100
 97 24.5 19.7 29.5



#32
 1,1,1-Trichloroethane
 Concen: 159.799 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion: 97 Resp: 768862
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.0 78.0
 61 42.4 34.4 51.6

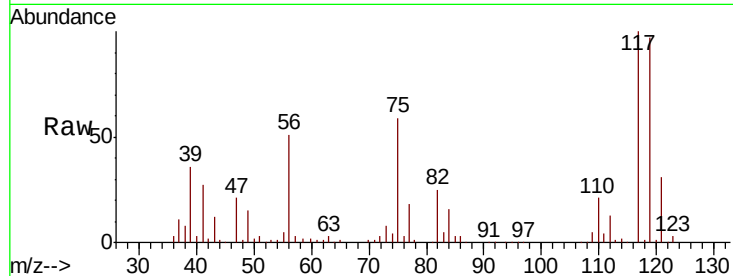




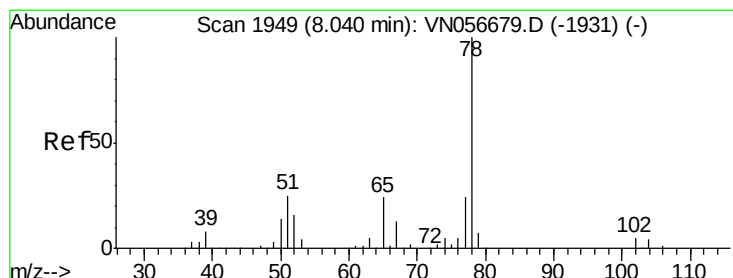
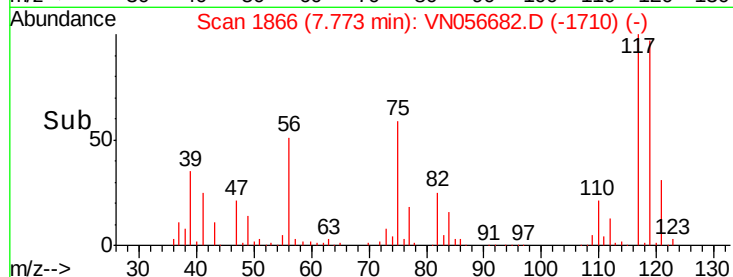
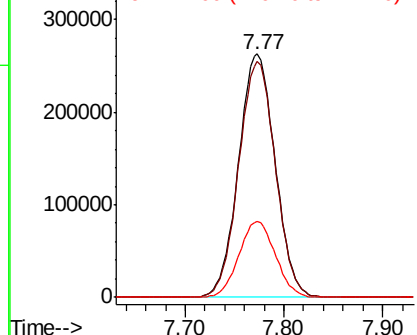
#33
Carbon Tetrachloride
Concen: 164.420 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 675418
Ion Ratio Lower Upper
117 100
119 96.9 78.7 118.1
121 31.2 24.0 36.0

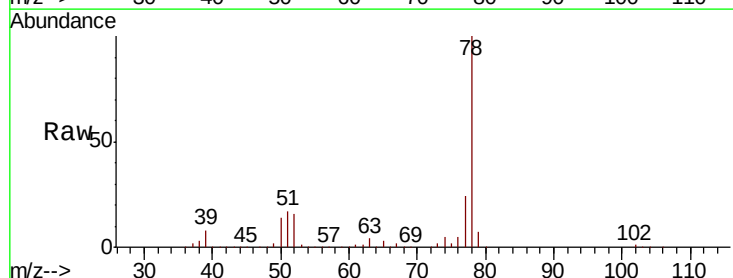


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

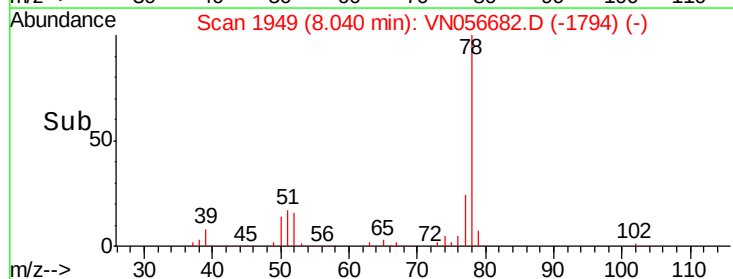
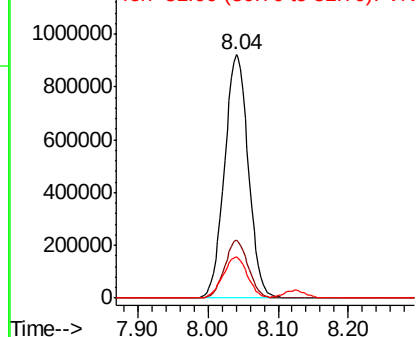


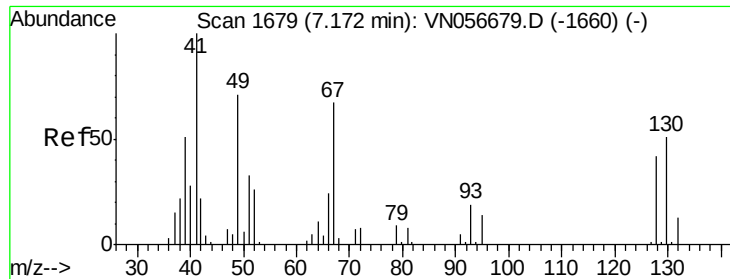
#34
Benzene
Concen: 154.320 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 78 Resp: 2175932
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4
51 17.0 19.7 29.5#



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

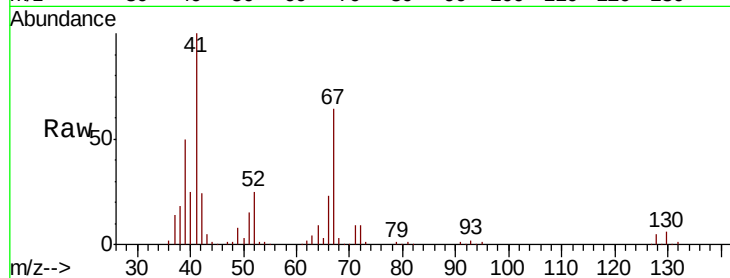




#35
Methacrylonitrile
Concen: 158.362 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	332495
Ion	Ratio	Lower	Upper
41	100		
39	49.5	25.4	76.2
67	64.3	33.6	100.8
52	24.5	12.9	38.7



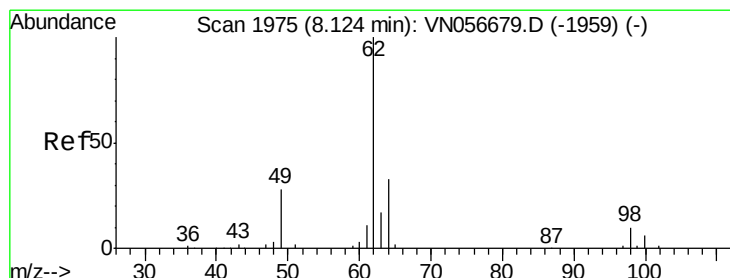
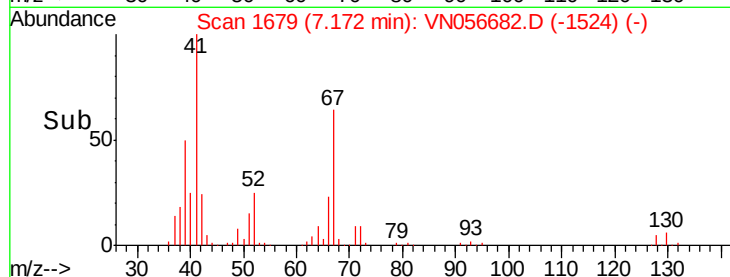
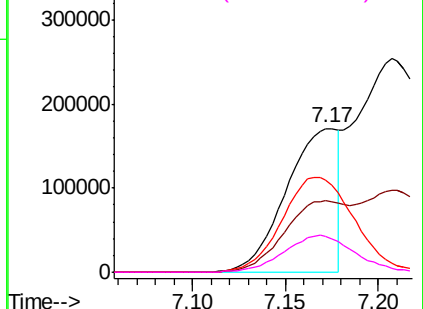
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

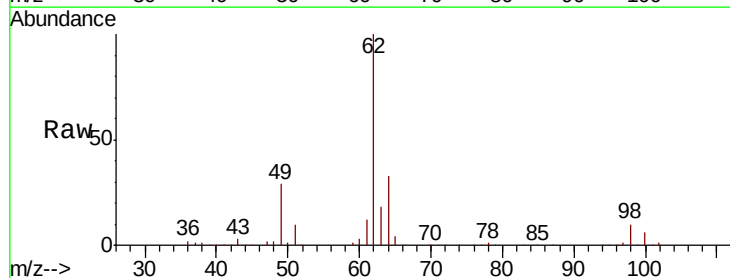
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 149.635 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

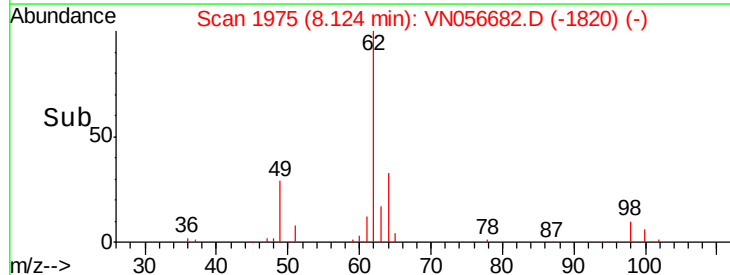
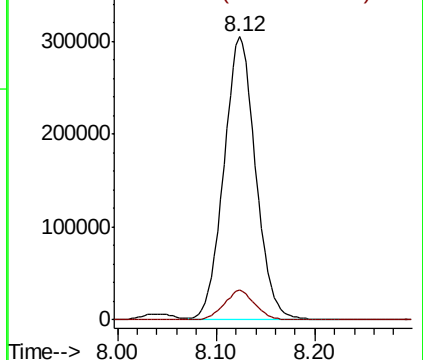
Tgt Ion:	62	Resp:	684284
Ion	Ratio	Lower	Upper
62	100		
98	10.1	7.7	11.5

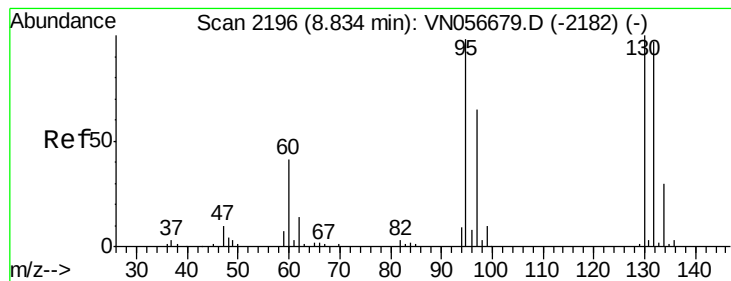


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 159.475 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

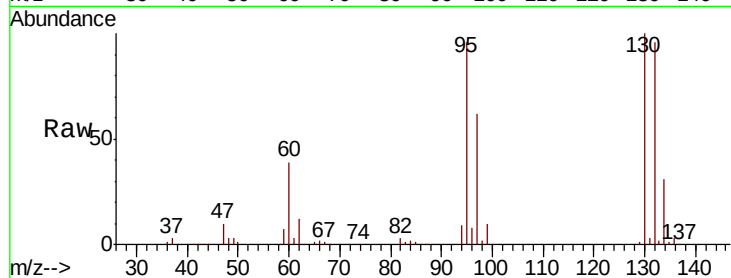
VSTDIC150

Tot Ion:130 Resp: 592429

Ion Ratio Lower Upper

130 100

95 96.3 78.4 117.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

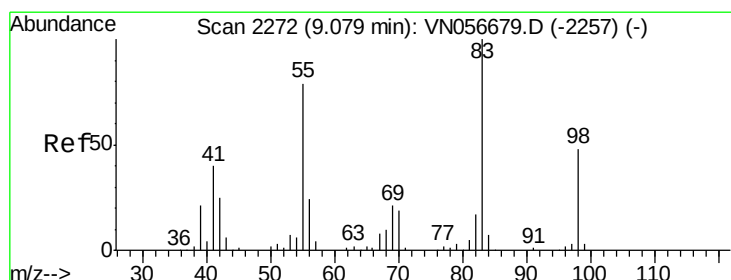
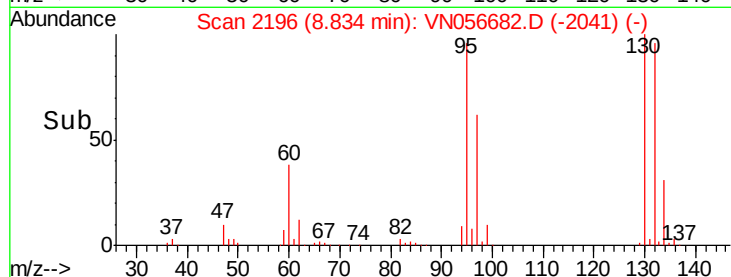
300000

200000

100000

0

Time--> 8.70 8.80 8.90 9.00



#38

Methylcyclohexane

Concen: 161.606 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

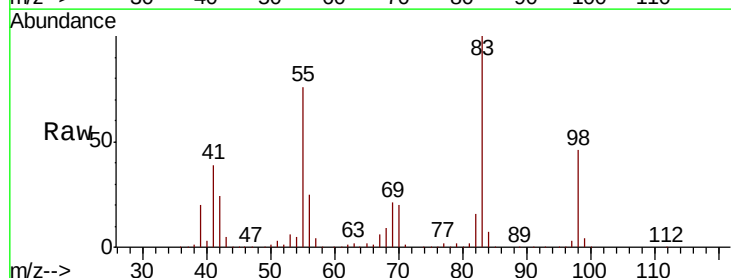
Tgt Ion: 83 Resp: 919226

Ion Ratio Lower Upper

83 100

55 75.3 38.4 115.2

98 45.7 23.3 69.9



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

9.08

600000

500000

400000

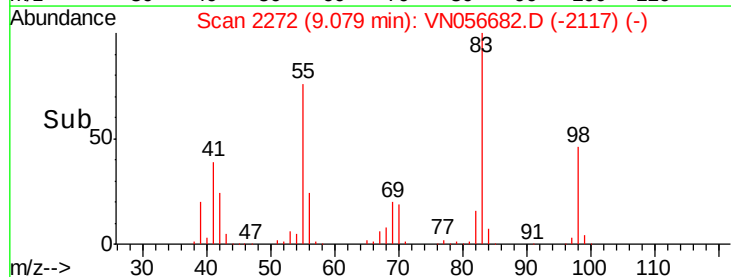
300000

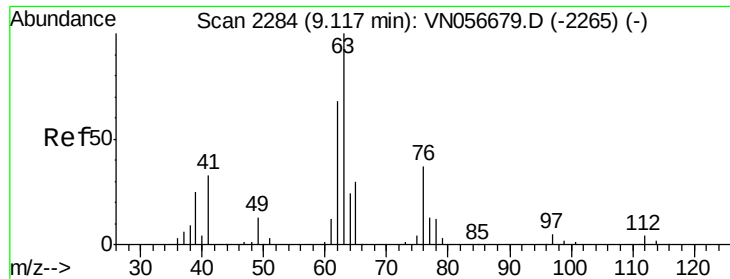
200000

100000

0

Time--> 9.00 9.10 9.20





#39

1,2-Dichloropropane

Concen: 154.561 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

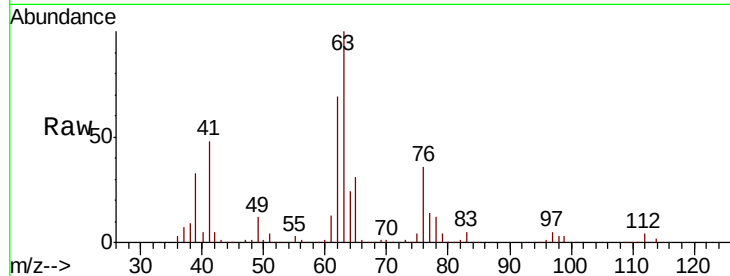
VSTDIC150

Tot Ion: 63 Resp: 585044

Ion Ratio Lower Upper

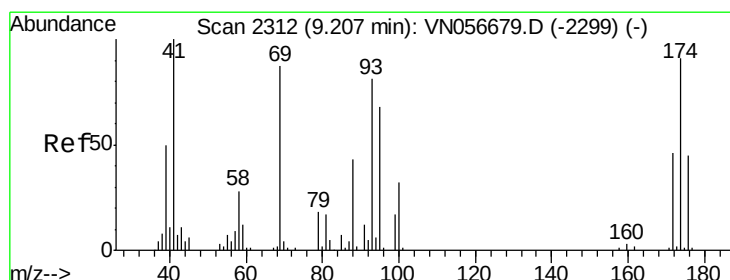
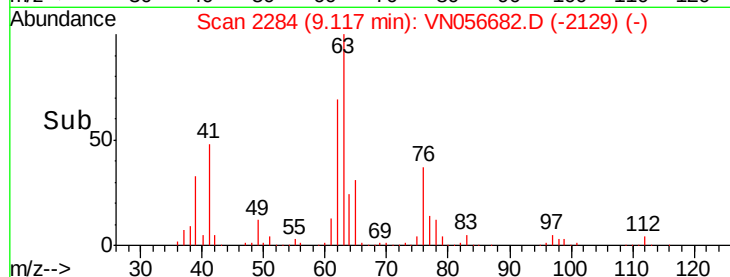
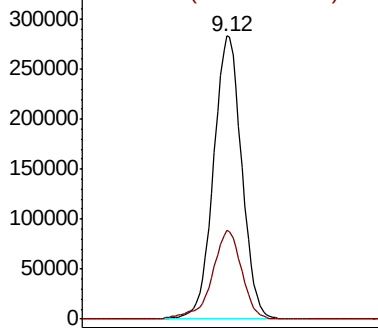
63 100

65 31.2 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 156.869 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

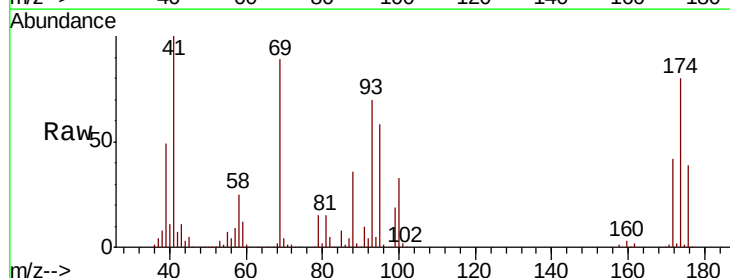
Tgt Ion: 93 Resp: 368946

Ion Ratio Lower Upper

93 100

95 83.6 0.0 167.0

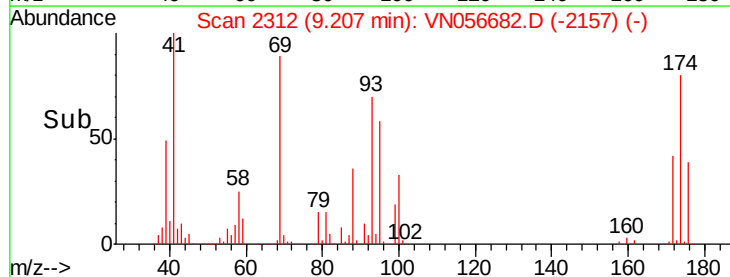
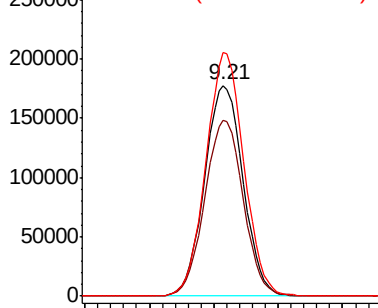
174 113.9 0.0 224.2

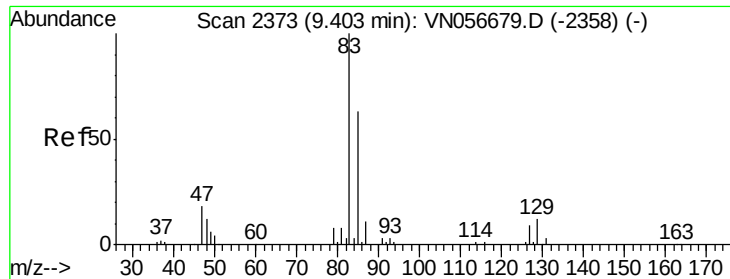


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 164.098 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

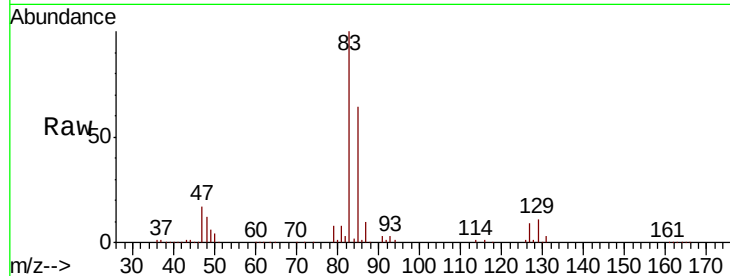
Tot Ion: 83 Resp: 717739

Ion Ratio Lower Upper

83 100

85 63.7 50.1 75.1

127 9.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN056679.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN056679.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN056679.D (-2358) (-)

9.40

400000

300000

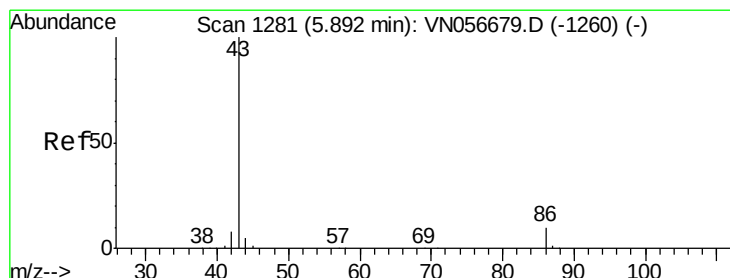
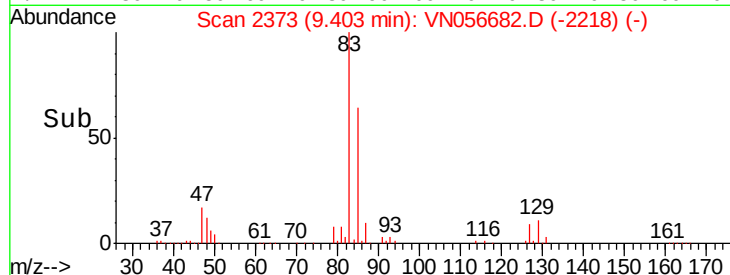
200000

100000

0

9.30 9.40 9.50

Time-->



#42

Vinyl Acetate

Concen: 802.104 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN056682.D

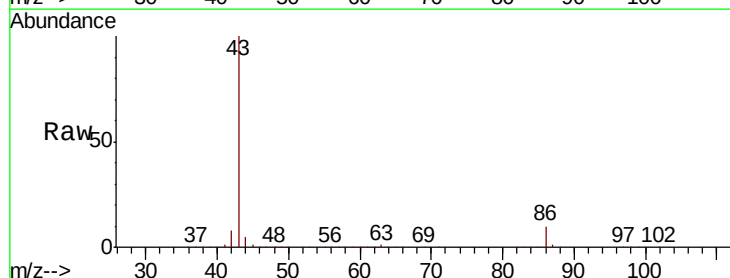
Acq: 12 Jul 2019 11:45

Tgt Ion: 43 Resp: 7130243

Ion Ratio Lower Upper

43 100

86 9.4 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN056679.D (-1260) (-)

Ion 86.00 (85.70 to 86.70): VN056679.D (-1260) (-)

2500000

2000000

1500000

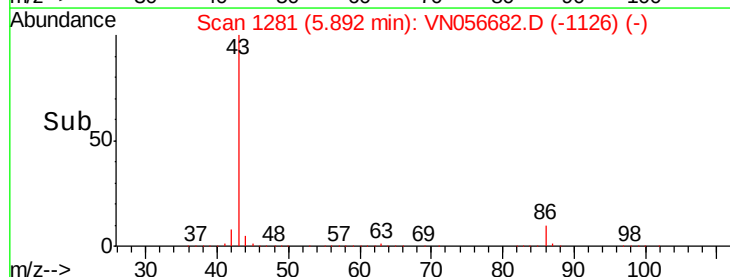
1000000

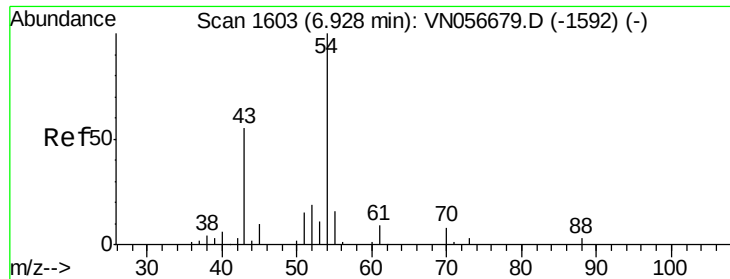
500000

0

5.80 5.89 6.00 6.20

Time-->





#43

Ethyl Acetate

Concen: 155.402 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

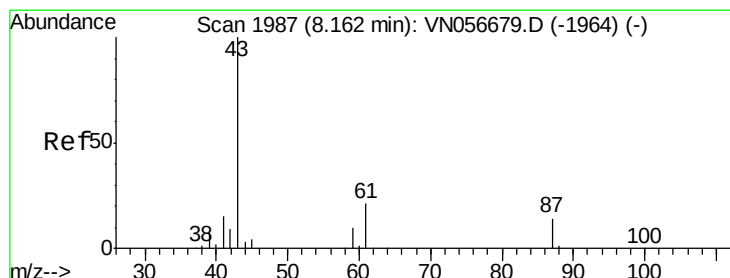
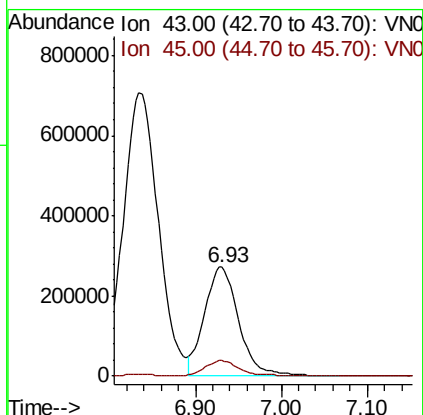
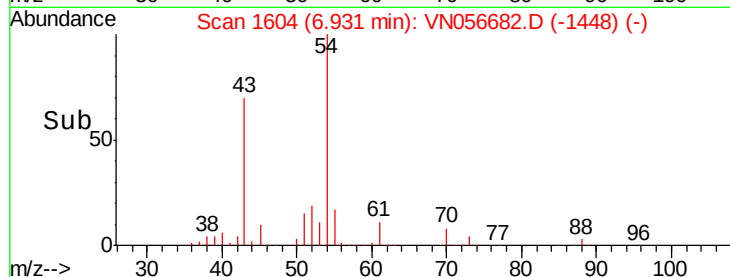
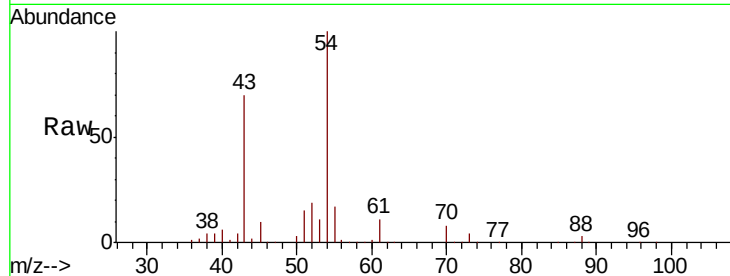
VSTDIC150

Tot Ion: 43 Resp: 748815

Ion Ratio Lower Upper

43 100

45 15.0 11.2 16.8



#44

Isopropyl Acetate

Concen: 161.841 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056682.D

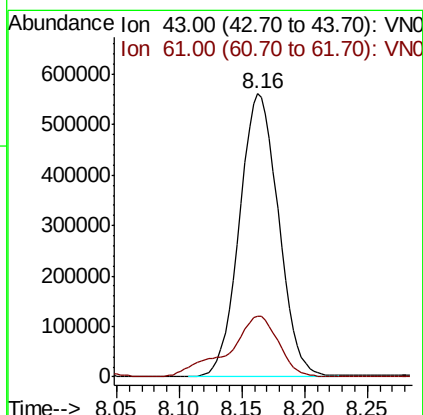
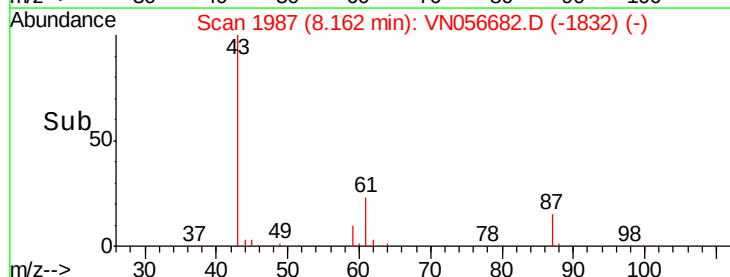
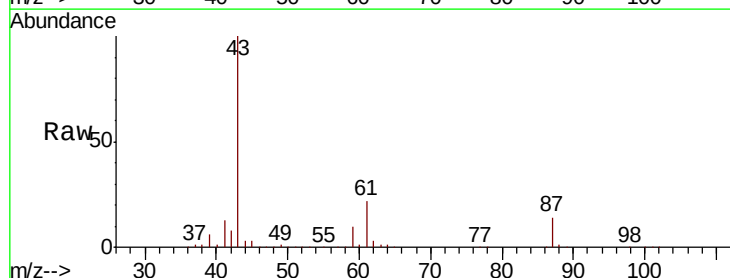
Acq: 12 Jul 2019 11:45

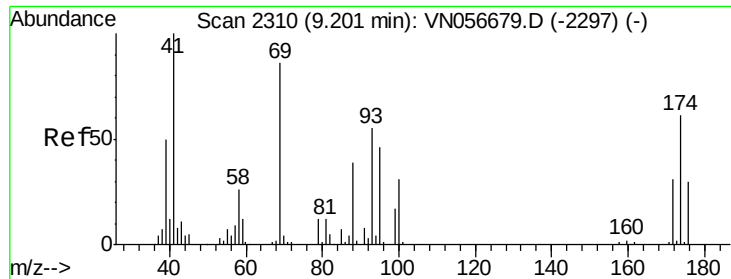
Tgt Ion: 43 Resp: 1212774

Ion Ratio Lower Upper

43 100

61 27.4 22.6 33.8



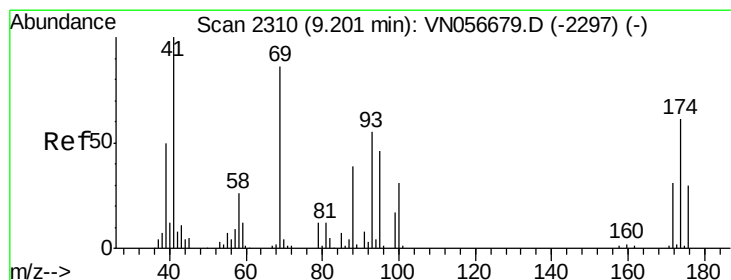
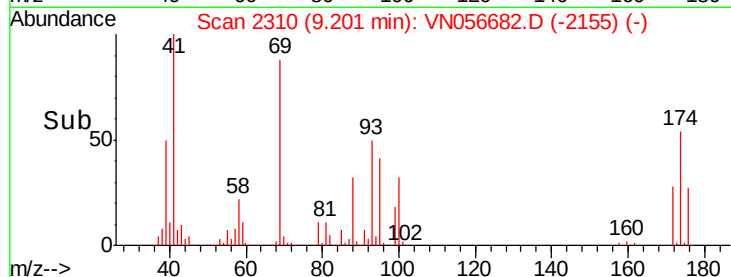
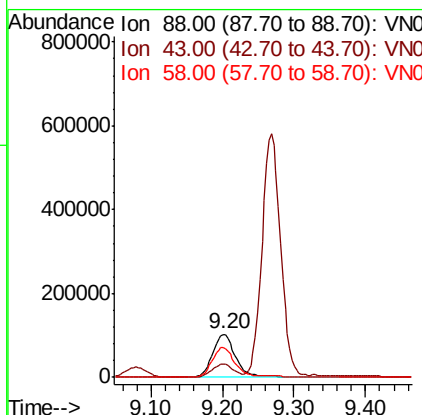
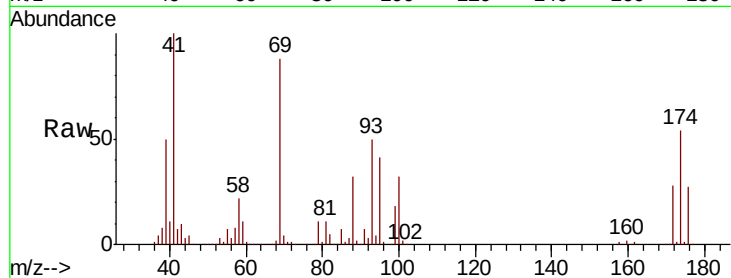


#45
 1,4-Dioxane
 Concen: 3114.466 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 88 Resp: 231813

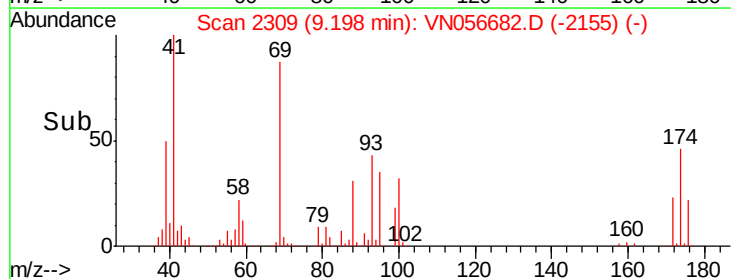
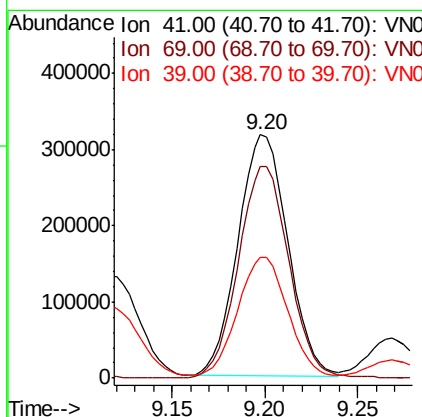
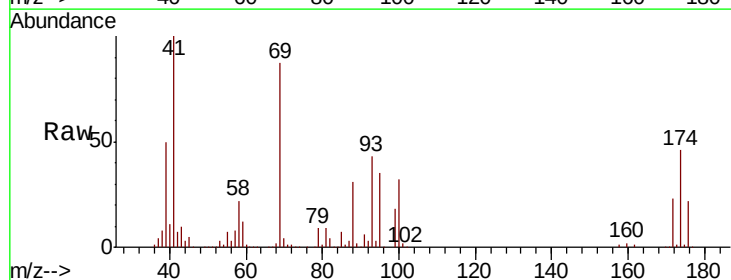
Ion	Ratio	Lower	Upper
88	100		
43	28.0	23.0	34.6
58	67.3	54.6	81.8

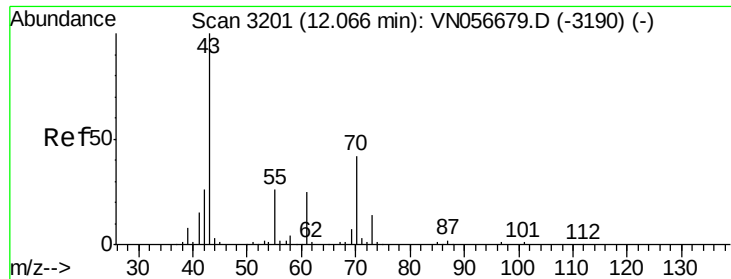


#46
 Methyl methacrylate
 Concen: 160.204 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion: 41 Resp: 590821

Ion	Ratio	Lower	Upper
41	100		
69	87.3	43.0	129.0
39	49.3	25.1	75.4





#47

n-amvl Acetate

Concen: 171.052 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

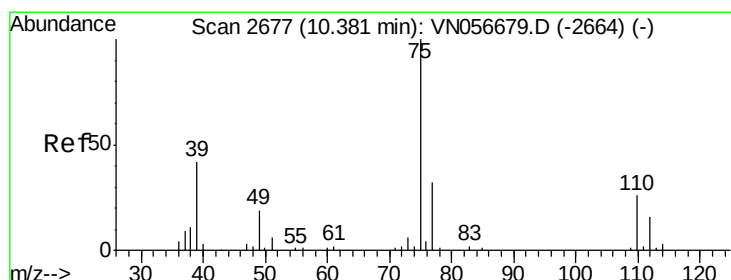
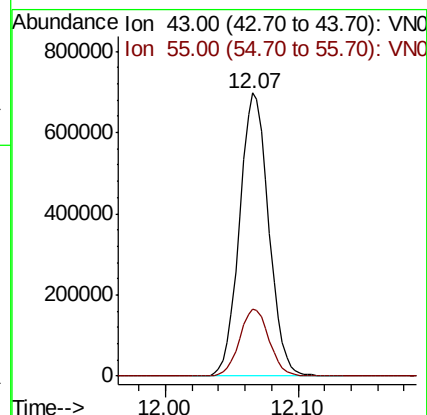
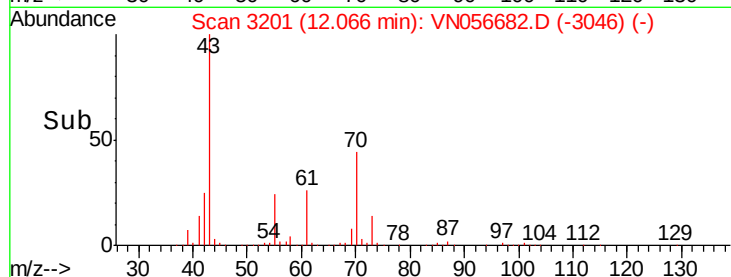
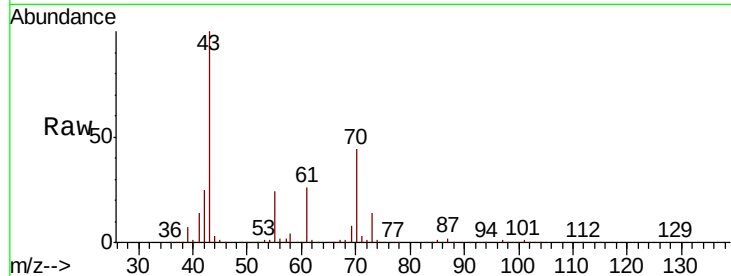
VSTDIC150

Tot Ion: 43 Resp: 1061982

Ion Ratio Lower Upper

43 100

55 24.2 20.7 31.1



#48

t-1,3-Dichloropropene

Concen: 175.380 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056682.D

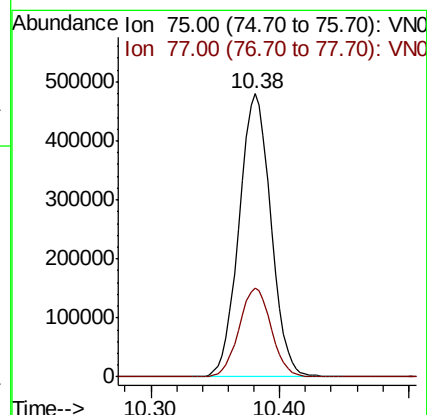
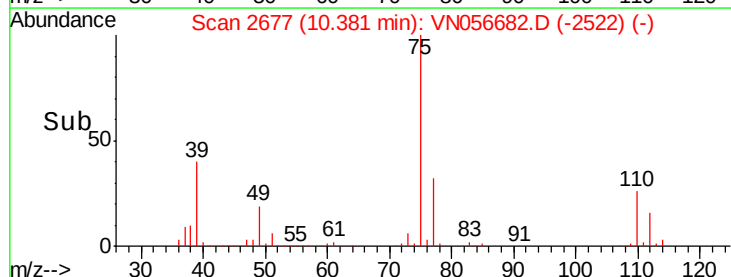
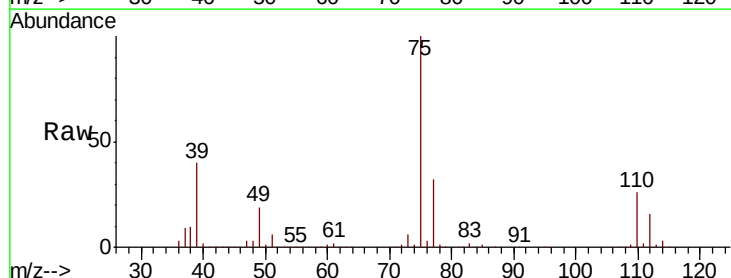
Acq: 12 Jul 2019 11:45

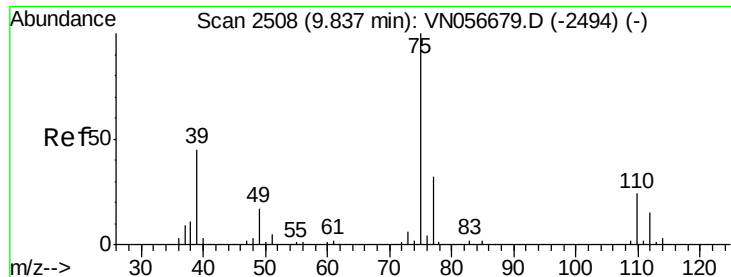
Tgt Ion: 75 Resp: 823824

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5



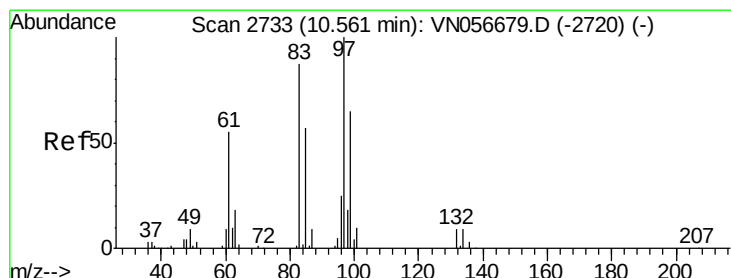
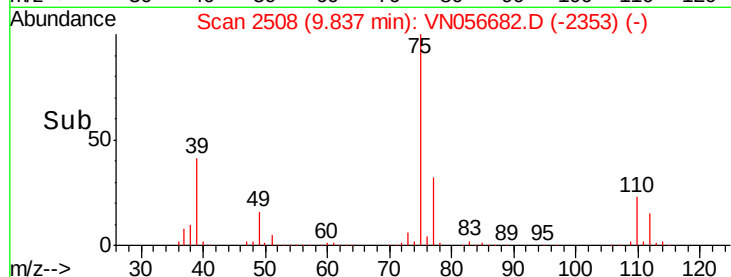
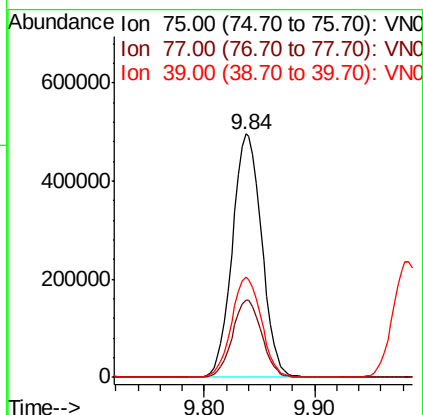
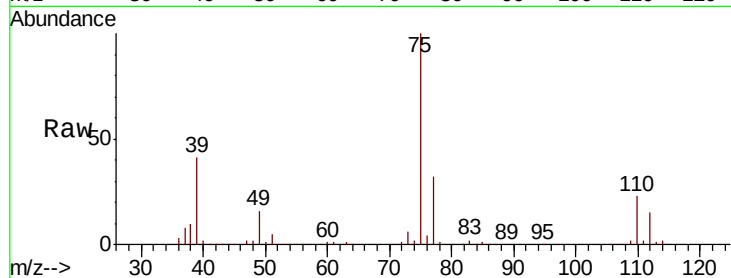


#49

cis-1,3-Dichloropropene
 Concen: 169.396 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

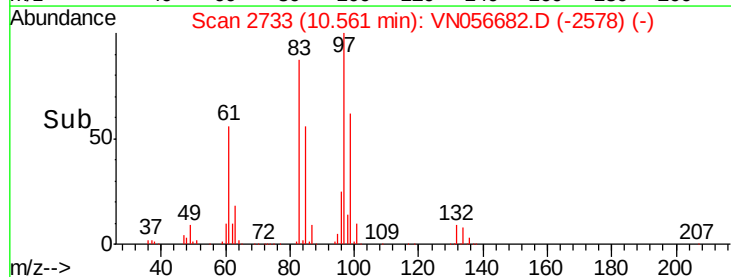
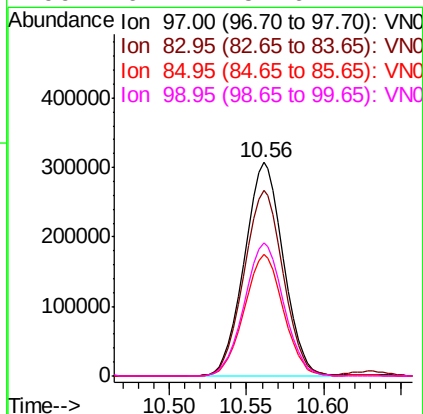
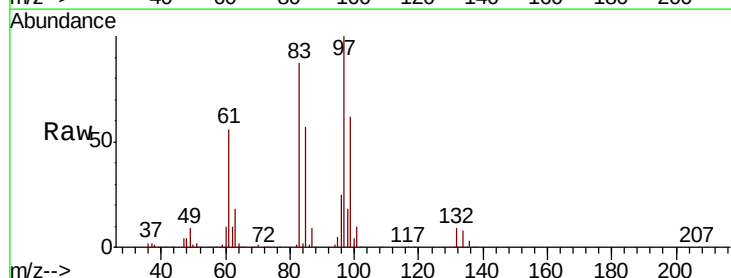
Tot Ion: 75 Resp: 914750
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.0 39.0
 39 41.2 36.2 54.4

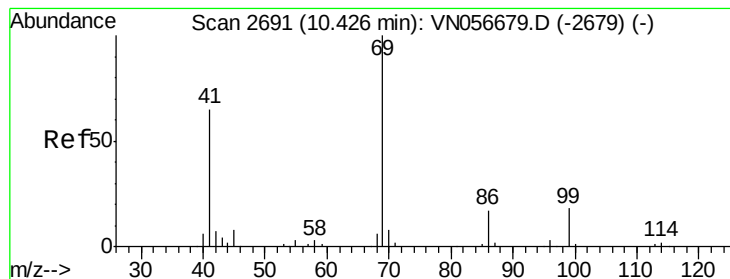


#50

1,1,2-Trichloroethane
 Concen: 156.485 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion: 97 Resp: 540164
 Ion Ratio Lower Upper
 97 100
 83 87.0 69.2 103.8
 85 56.7 45.3 67.9
 99 62.1 51.6 77.4





#51

Ethyl methacrylate

Concen: 166.255 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

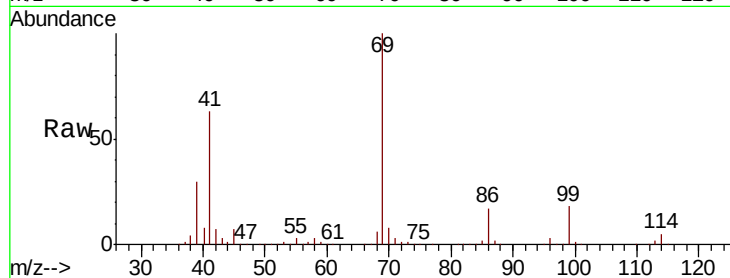
Tot Ion: 69 Resp: 897723

Ion Ratio Lower Upper

69 100

41 62.8 32.8 98.3

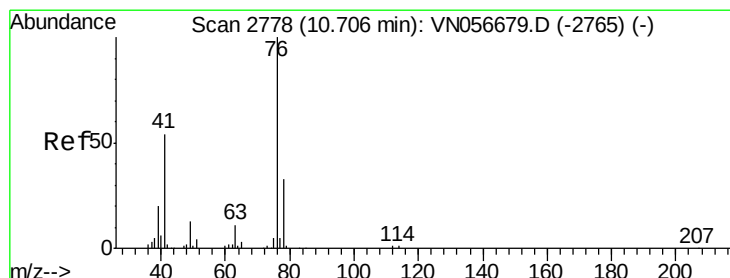
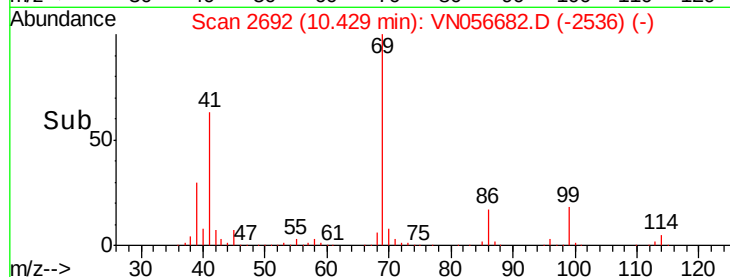
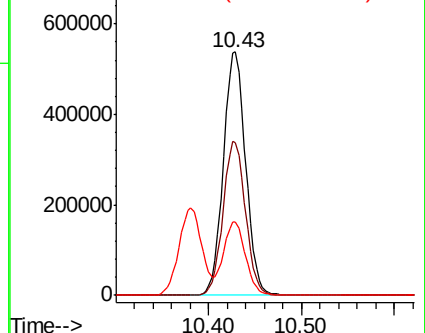
39 29.9 15.4 46.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 155.563 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056682.D

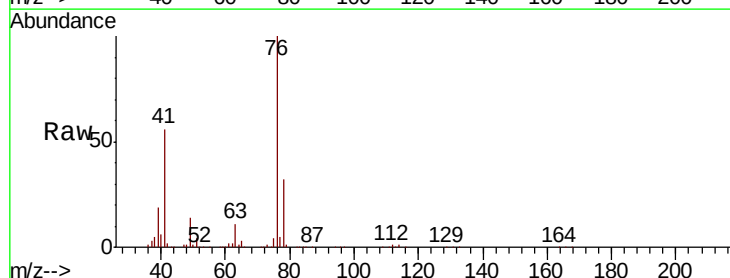
Acq: 12 Jul 2019 11:45

Tgt Ion: 76 Resp: 916265

Ion Ratio Lower Upper

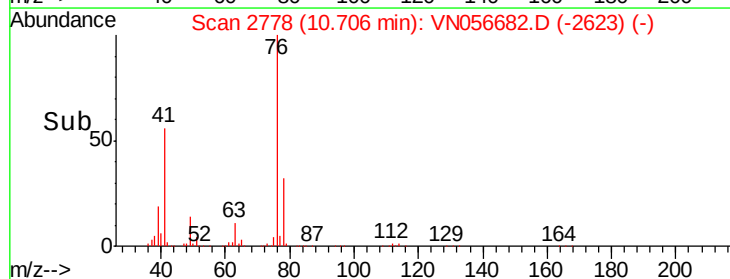
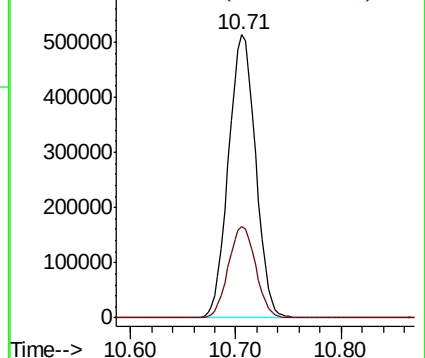
76 100

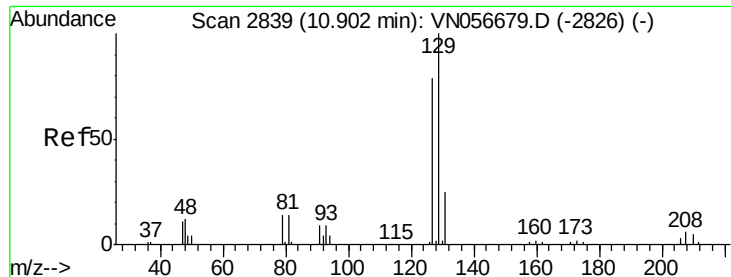
78 32.4 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

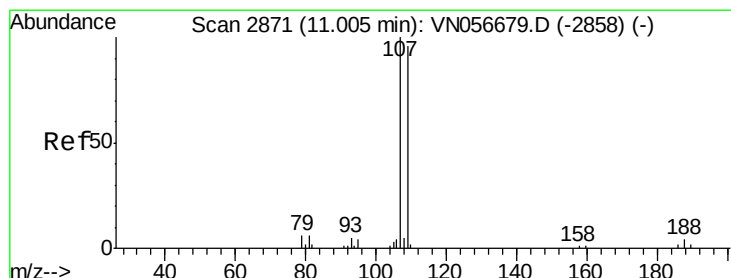
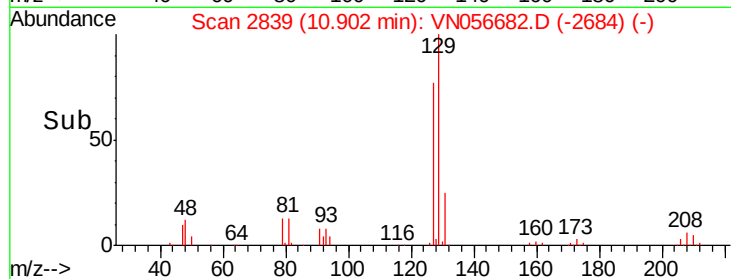
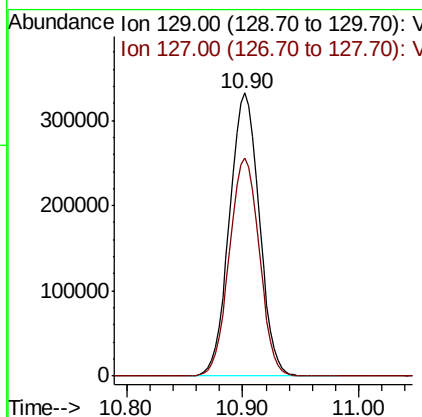
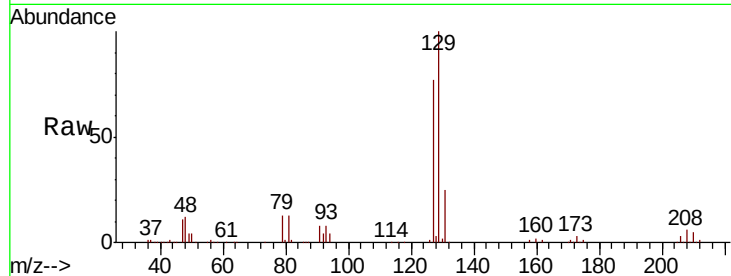




#53
Dibromochloromethane
Concen: 173.492 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

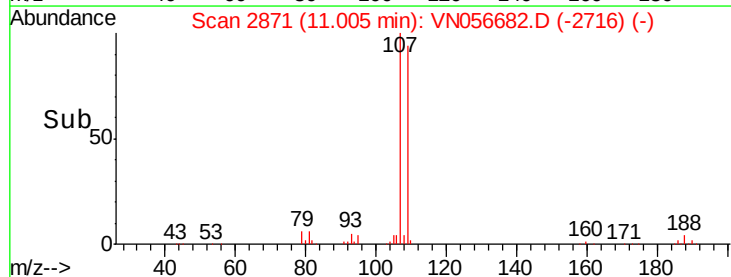
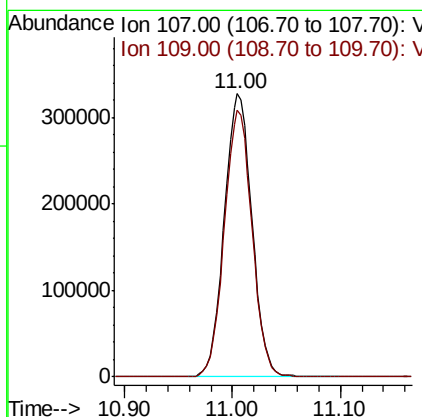
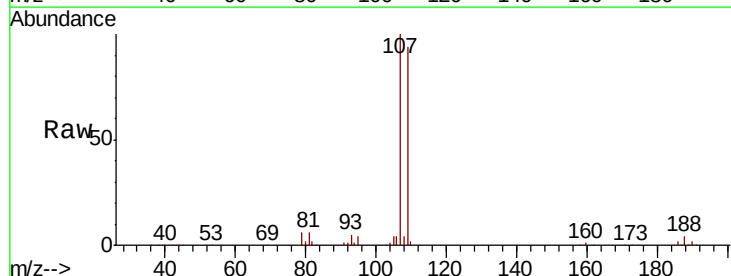
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

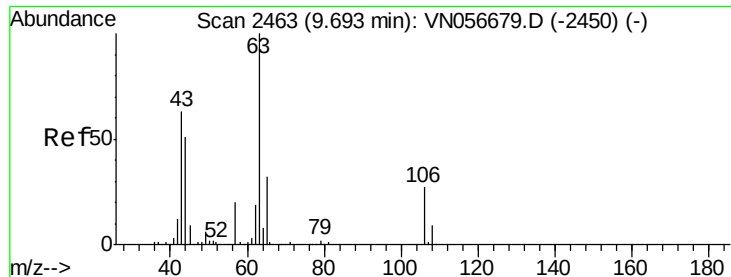
Tot Ion:129 Resp: 591169
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1



#54
1,2-Dibromoethane
Concen: 162.181 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion:107 Resp: 584259
Ion Ratio Lower Upper
107 100
109 94.3 77.9 116.9

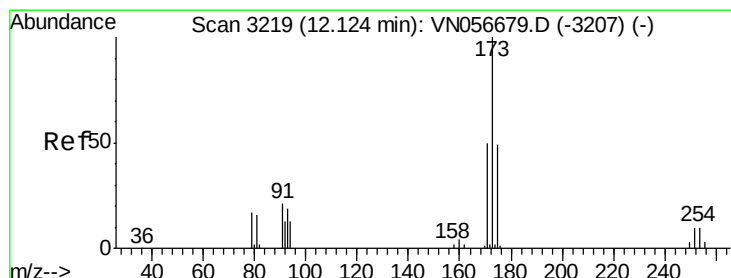
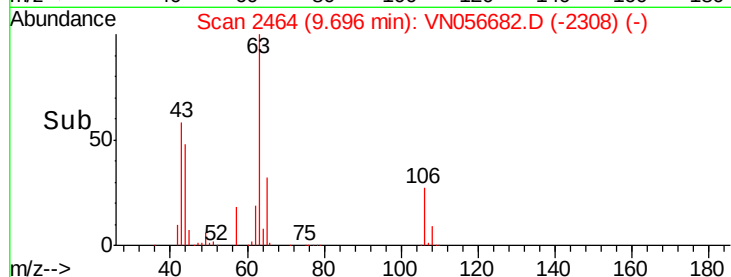
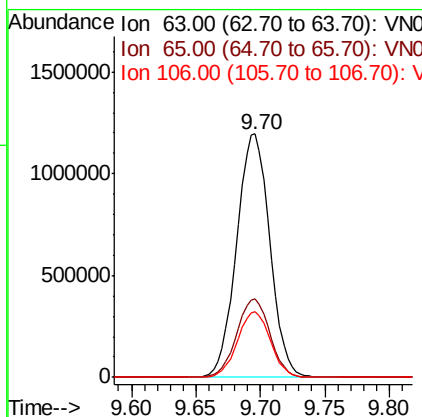
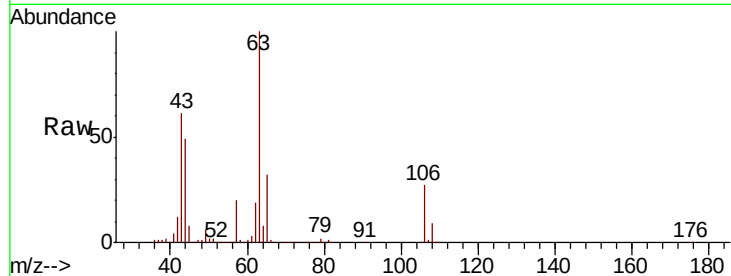




#55
2-Chloroethyl vinyl ether
Concen: 785.748 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

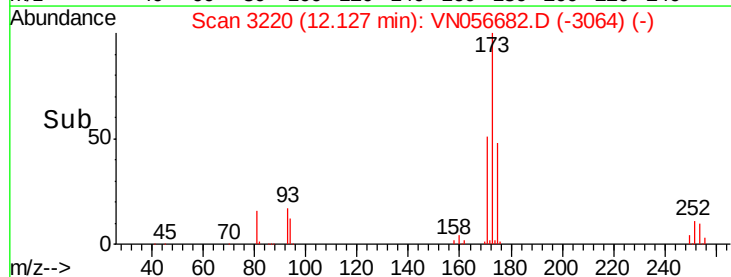
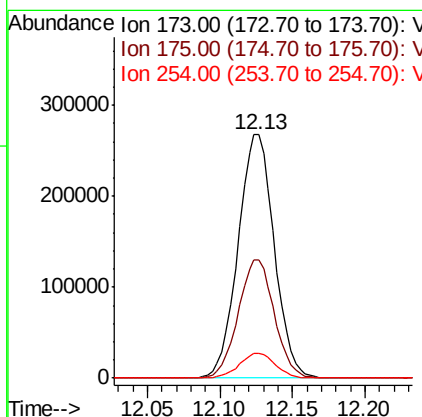
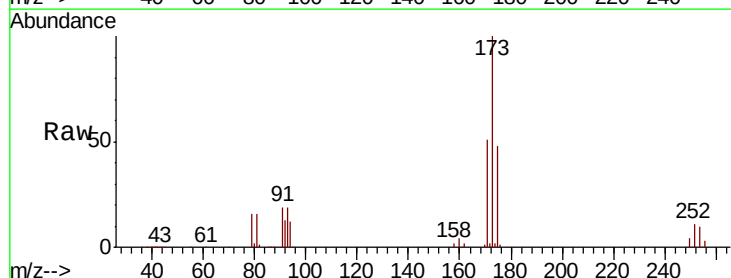
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

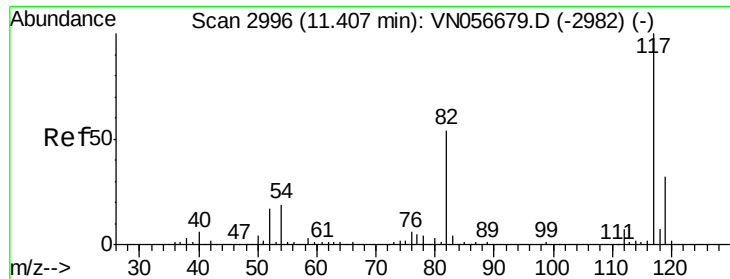
Tot Ion: 63 Resp: 2142857
Ion Ratio Lower Upper
63 100
65 32.1 25.2 37.8
106 26.8 21.6 32.4



#56
Bromoform
Concen: 185.700 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 173 Resp: 463303
Ion Ratio Lower Upper
173 100
175 48.4 39.7 59.5
254 10.1 7.8 11.8

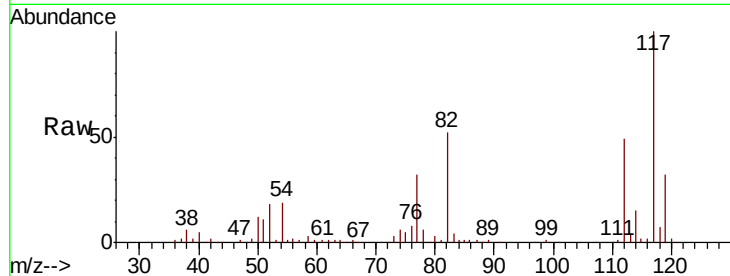




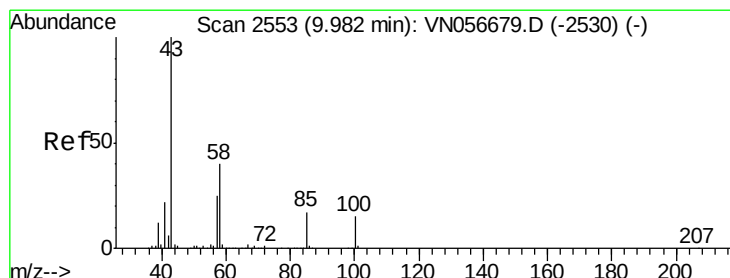
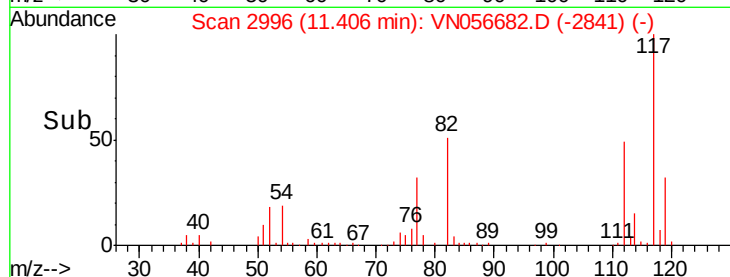
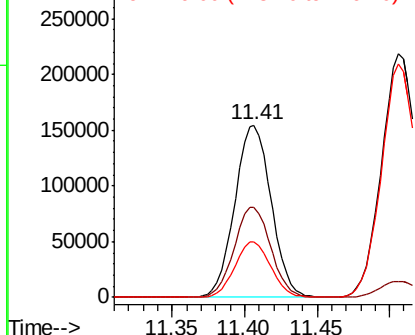
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:117 Resp: 269446
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 31.8 26.0 39.0

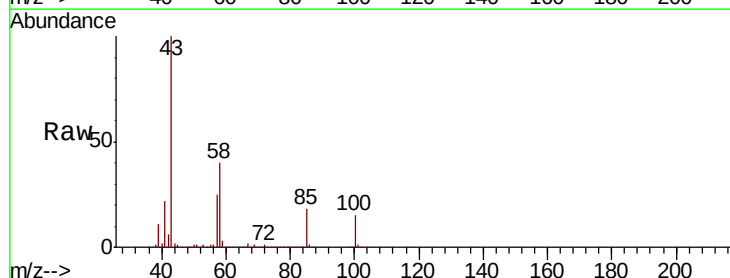


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

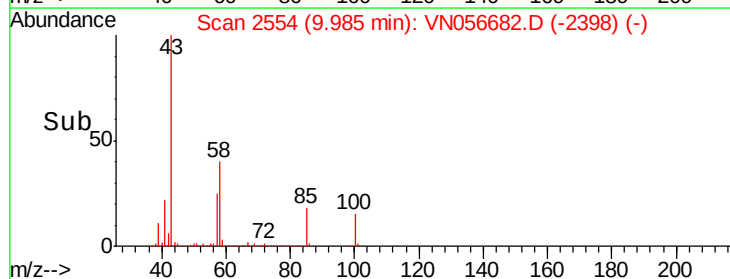
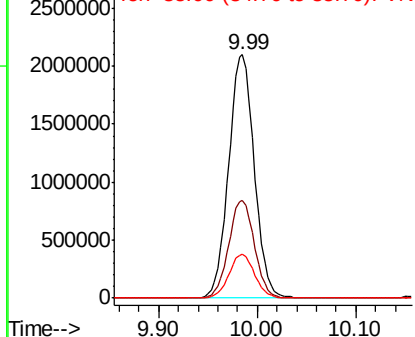


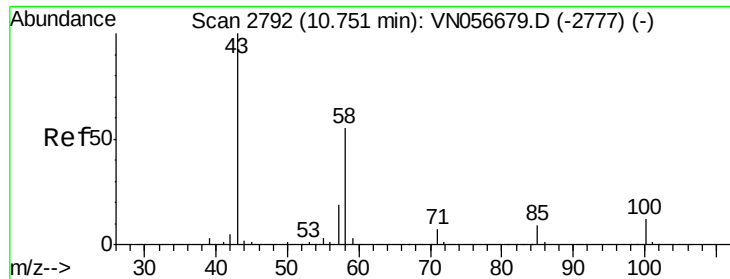
#58
4-Methyl-2-Pentanone
Concen: 775.177 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 43 Resp: 3813139
Ion Ratio Lower Upper
43 100
58 40.3 31.9 47.9
85 18.1 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO
Ion 85.00 (84.70 to 85.70): VNO

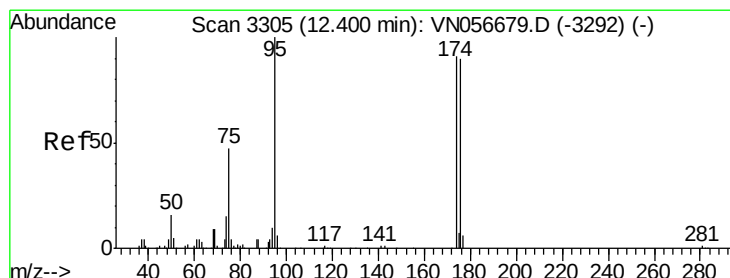
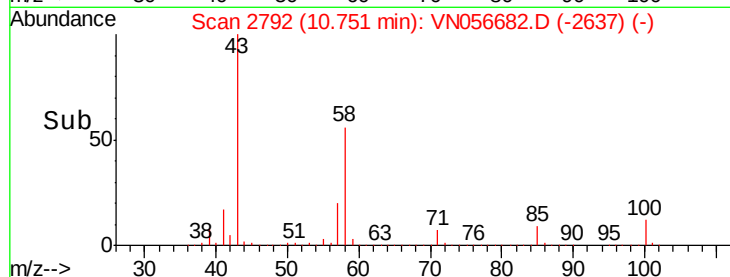
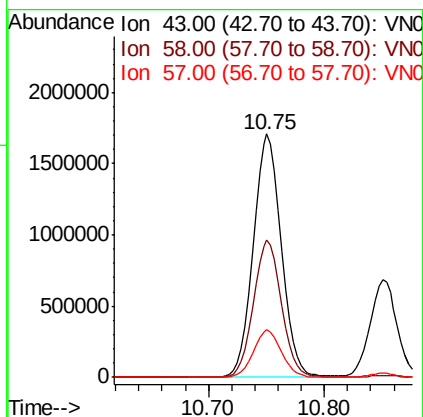
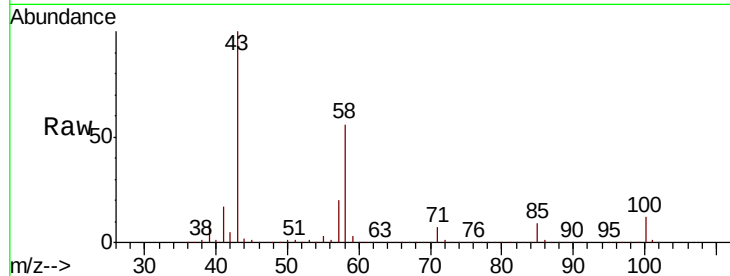




#59
2-Hexanone
Concen: 780.832 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

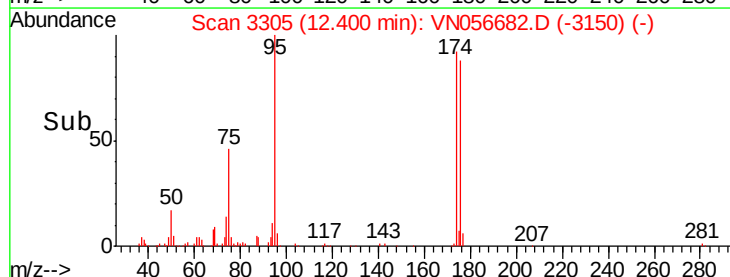
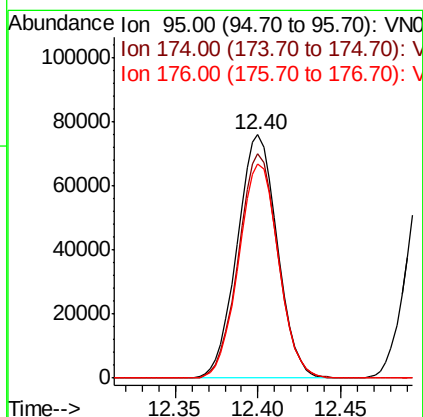
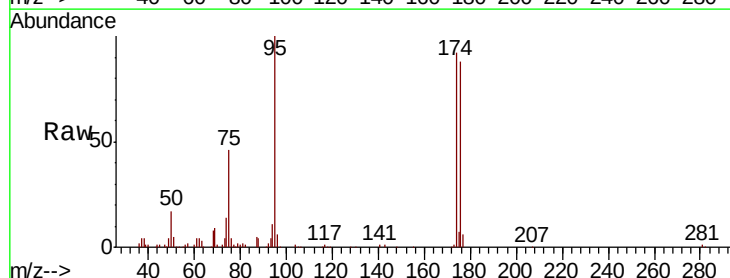
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

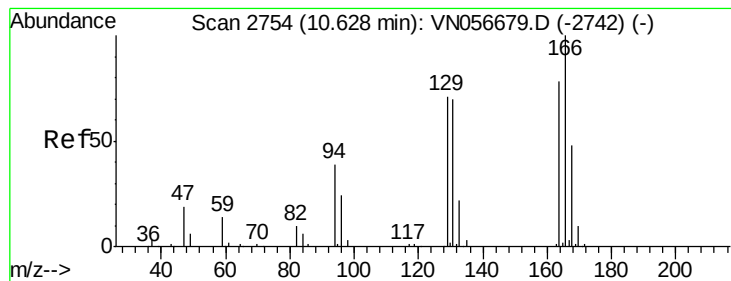
Tot Ion: 43 Resp: 2889137
Ion Ratio Lower Upper
43 100
58 56.4 44.4 66.6
57 19.5 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 30.762 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 95 Resp: 127883
Ion Ratio Lower Upper
95 100
174 90.9 72.6 108.8
176 88.0 71.0 106.6





#61

Tetrachloroethene

Concen: 154.813 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 544643

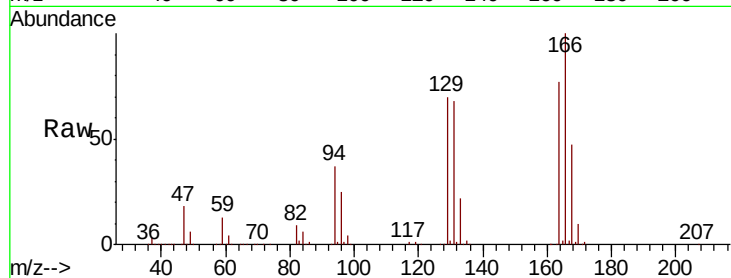
Ion Ratio Lower Upper

164 100

166 130.5 102.3 153.5

129 91.5 72.6 108.8

131 89.0 71.4 107.2

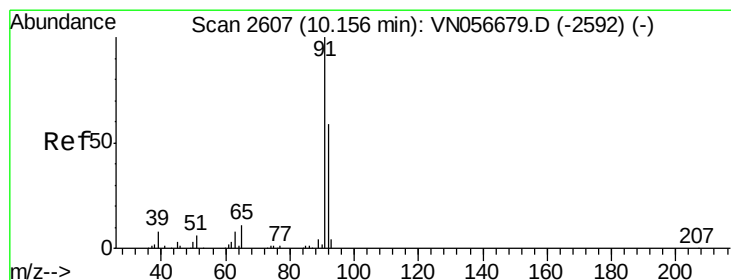
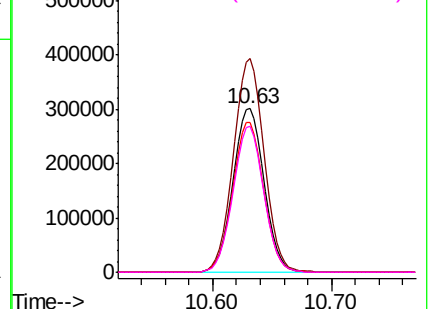
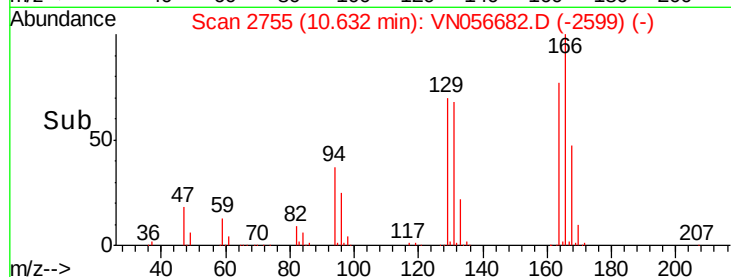


Abundance Ion 163.85 (163.55 to 164.55): V

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: 153.692 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056682.D

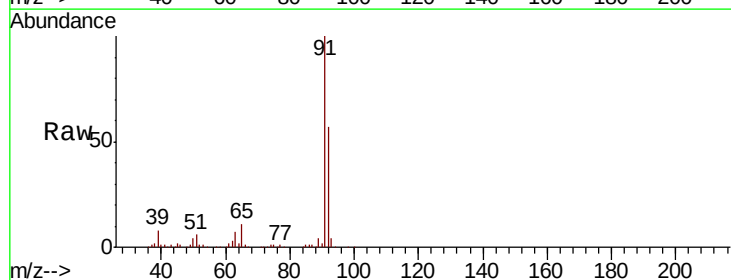
Acq: 12 Jul 2019 11:45

Tgt Ion: 91 Resp: 2355921

Ion Ratio Lower Upper

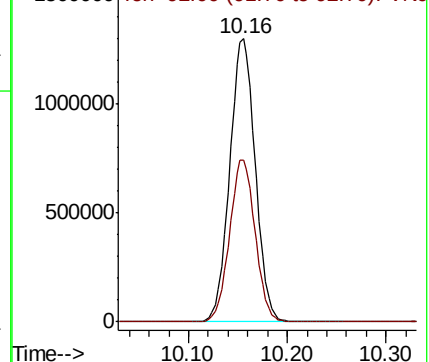
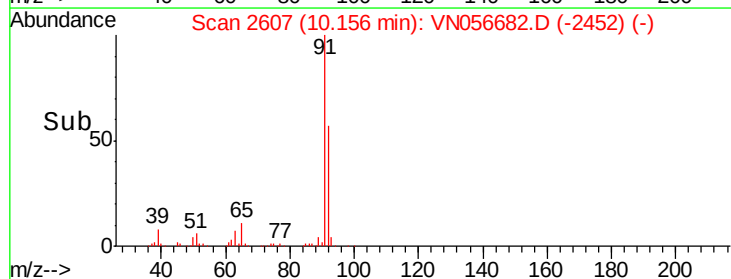
91 100

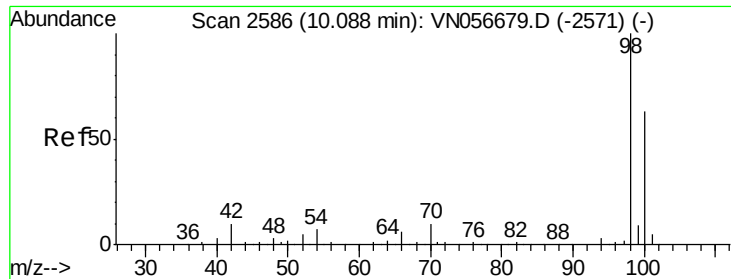
92 57.3 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

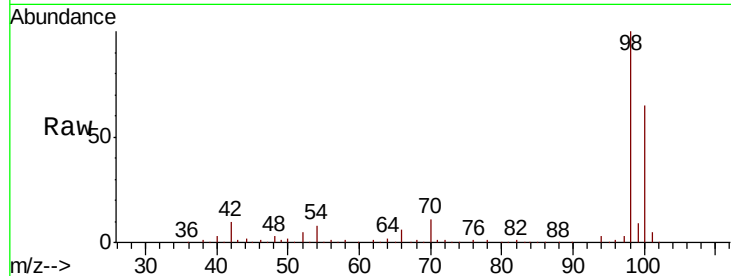




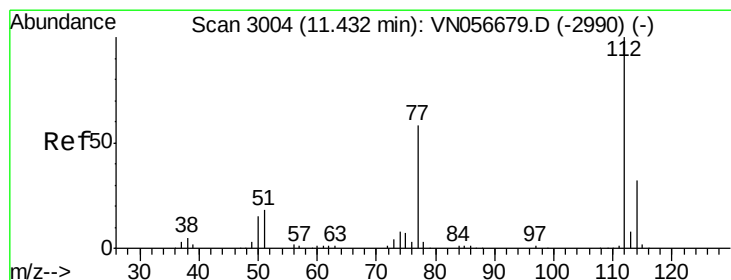
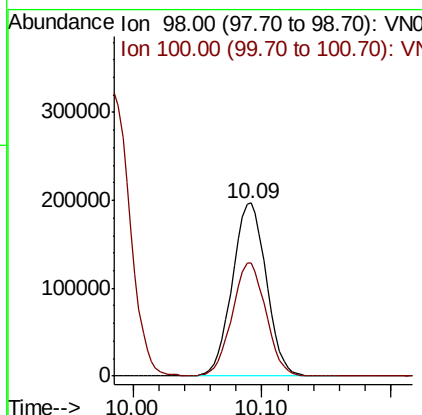
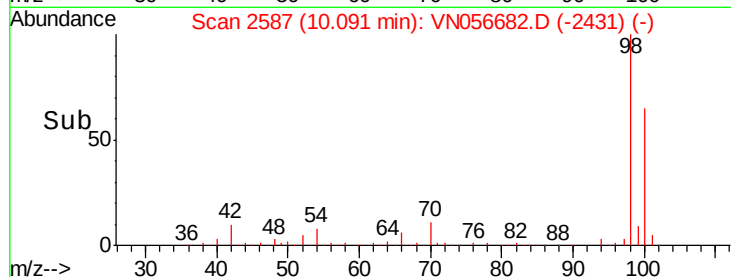
#63
Toluene-d8
Concen: 28.878 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 360814
Ion Ratio Lower Upper
98 100
100 65.2 51.1 76.7

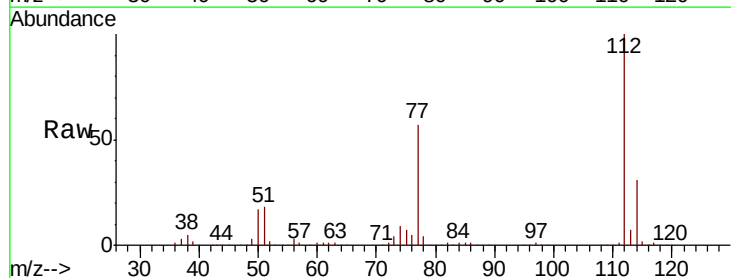


Abundance Ion 98.00 (97.70 to 98.70): VN056679.D (-2571) (-)
Ion 100.00 (99.70 to 100.70): VN056682.D (-2431) (-)

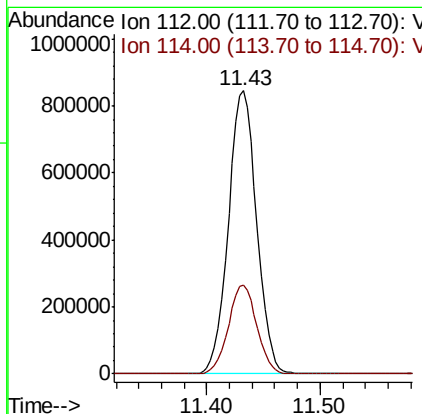
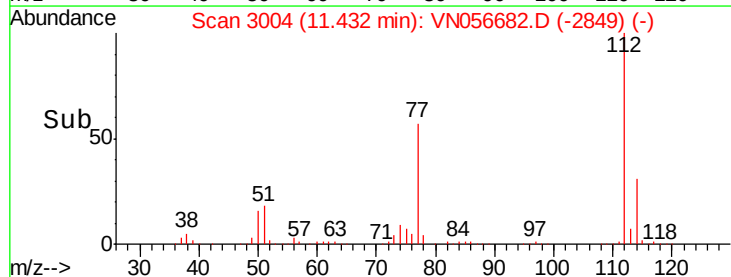


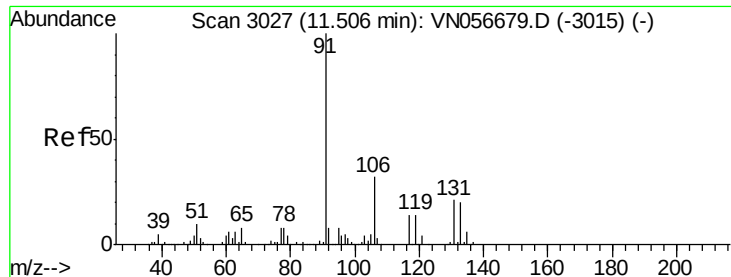
#64
Chlorobenzene
Concen: 158.523 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 112 Resp: 1465840
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): VN056679.D (-2990) (-)
Ion 114.00 (113.70 to 114.70): VN056682.D (-2849) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 162.513 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

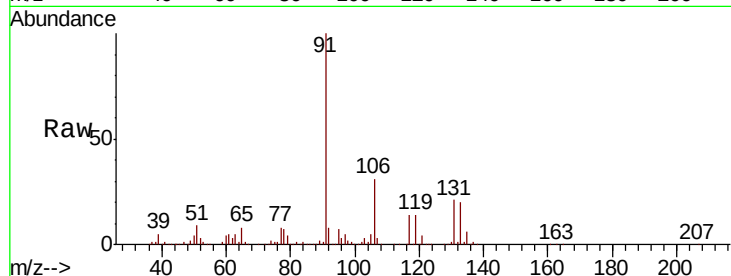
Tot Ion:131 Resp: 545261

Ion Ratio Lower Upper

131 100

133 95.3 0.0 191.4

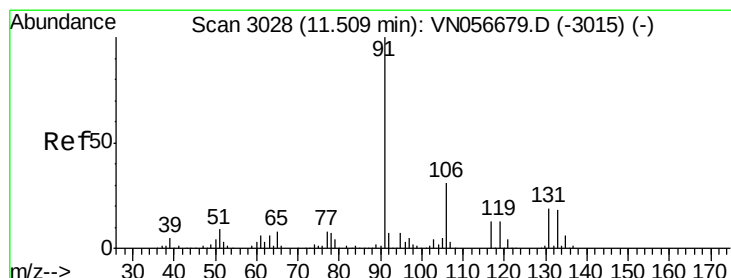
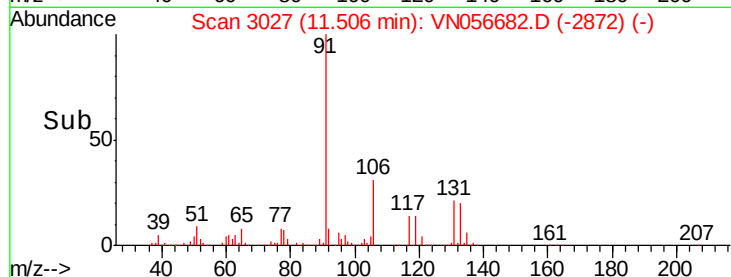
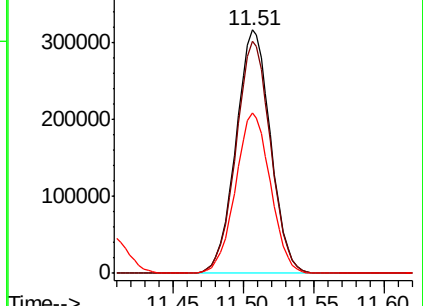
119 66.3 0.0 133.4



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: 158.220 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056682.D

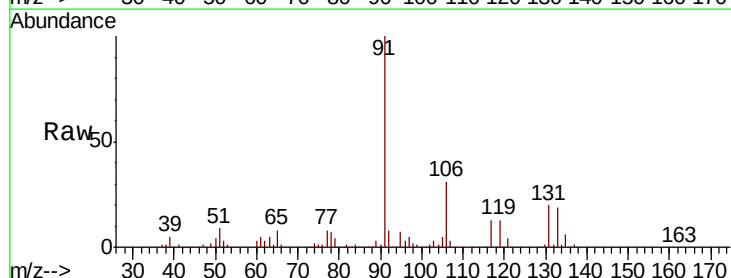
Acq: 12 Jul 2019 11:45

Tgt Ion: 91 Resp: 2632536

Ion Ratio Lower Upper

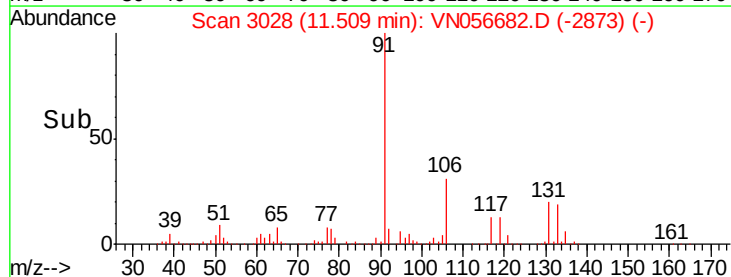
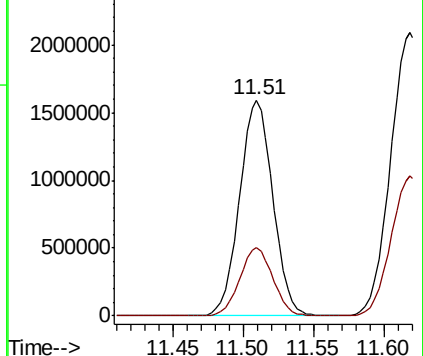
91 100

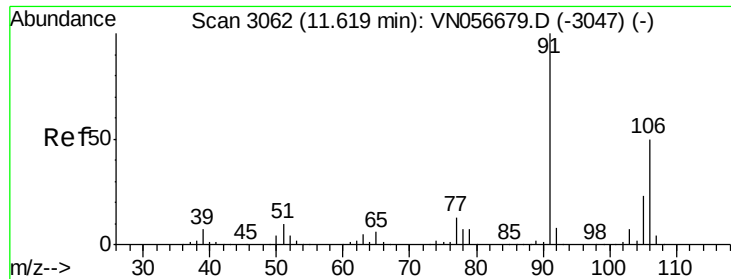
106 31.5 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

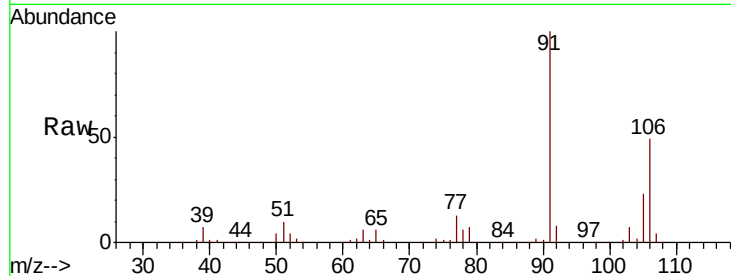




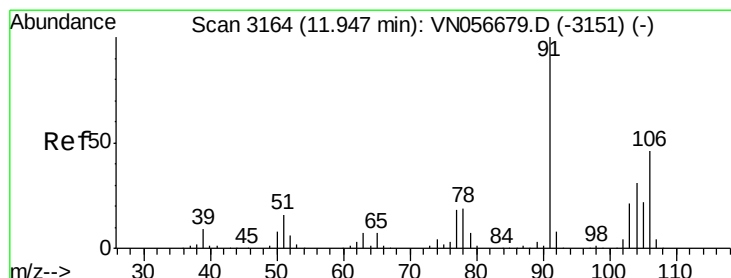
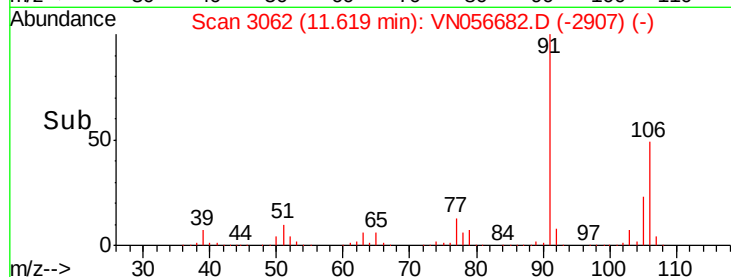
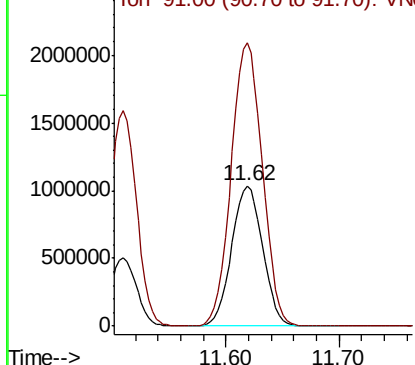
#67
m/p-Xylenes
Concen: 320.077 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1977200
Ion Ratio Lower Upper
106 100
91 202.6 161.8 242.8

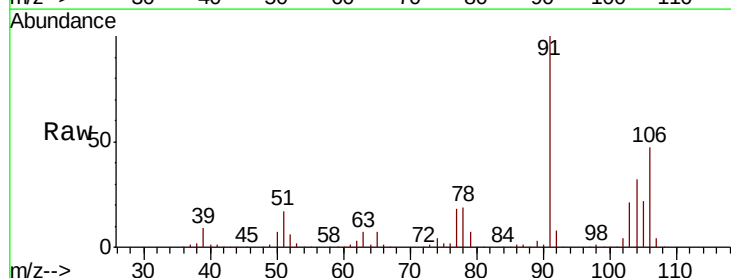


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

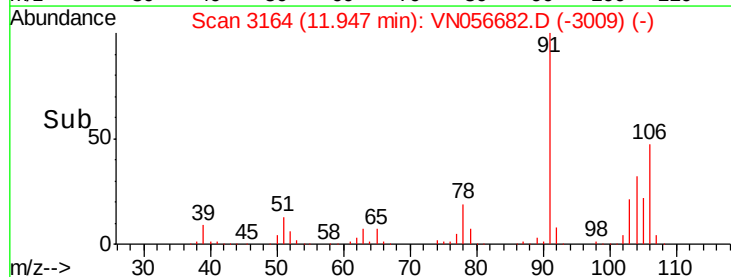
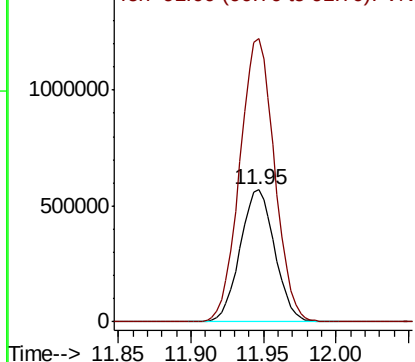


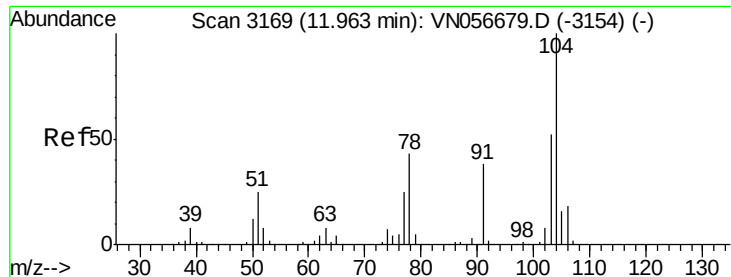
#68
o-Xylene
Concen: 156.838 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion:106 Resp: 950580
Ion Ratio Lower Upper
106 100
91 214.2 108.1 324.2



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

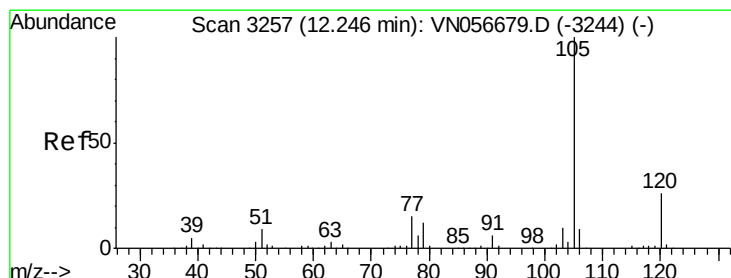
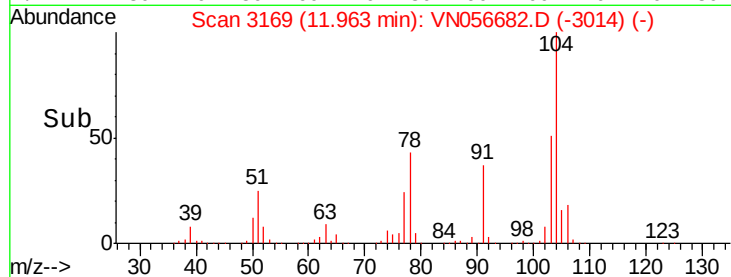
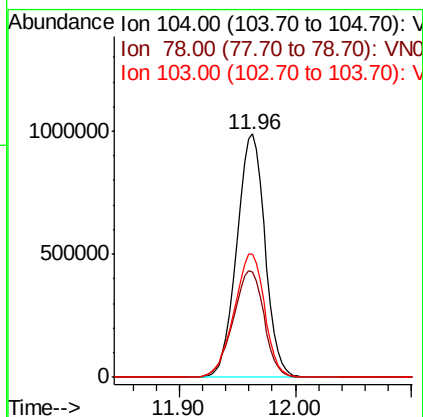
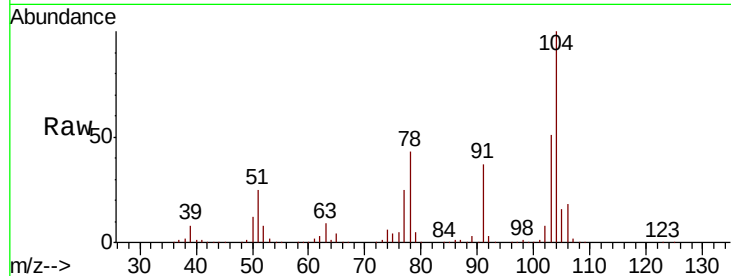




#69
Stvrene
Concen: 165.057 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

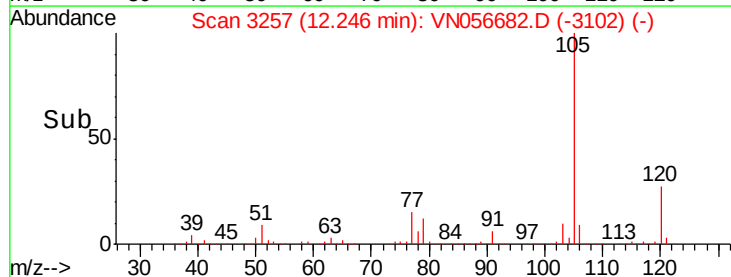
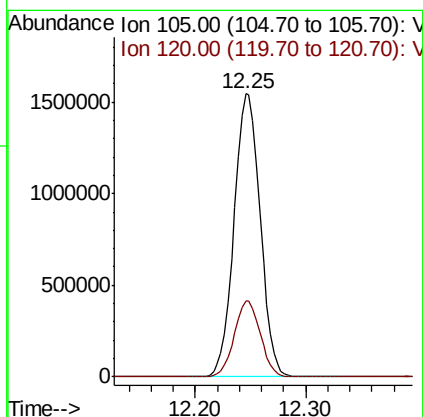
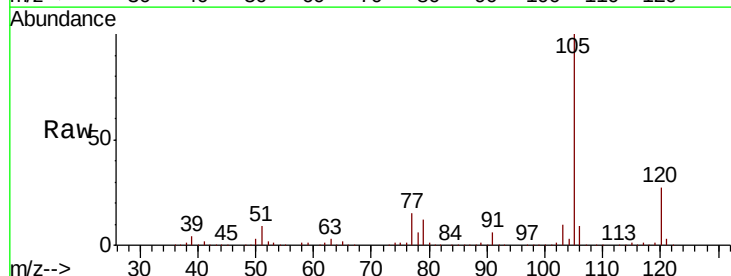
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

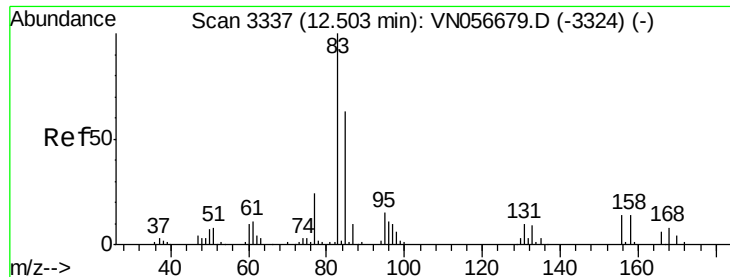
Tot Ion:104 Resp: 1663128
Ion Ratio Lower Upper
104 100
78 48.2 38.7 58.1
103 55.0 45.0 67.4



#70
Isopropylbenzene
Concen: 159.262 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion:105 Resp: 2528196
Ion Ratio Lower Upper
105 100
120 26.7 18.6 34.5

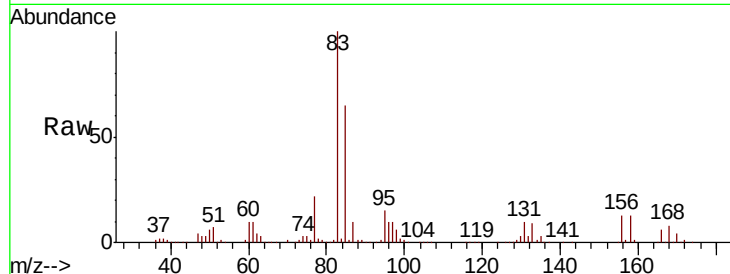




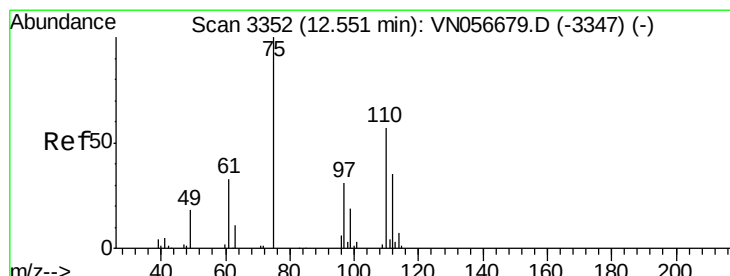
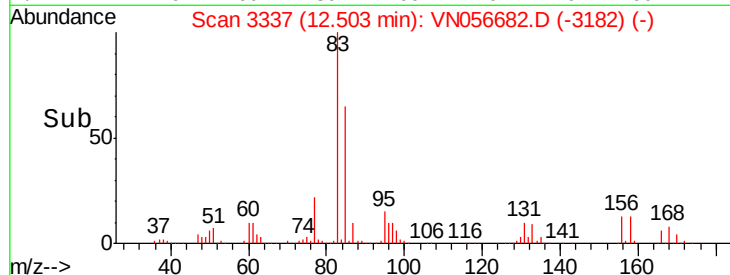
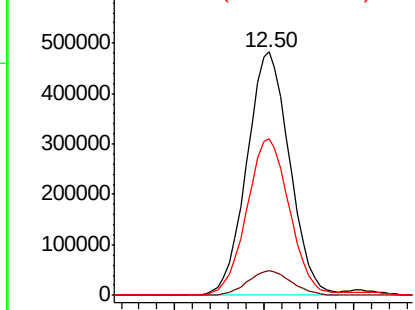
#71
 1,1,2,2-Tetrachloroethane
 Concen: 154.739 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	83	Resp	807667
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	64.4	31.9	95.7

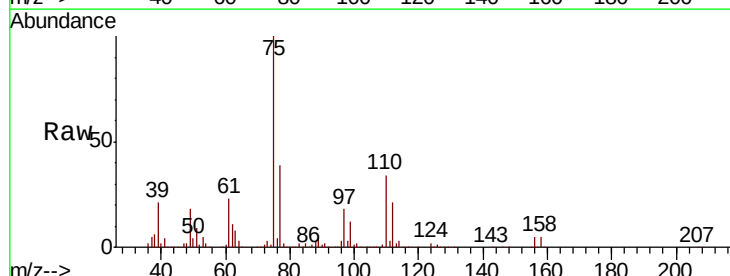


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

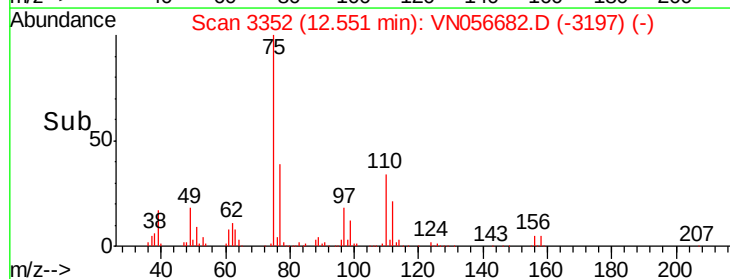
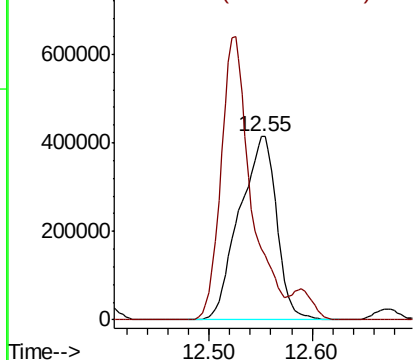


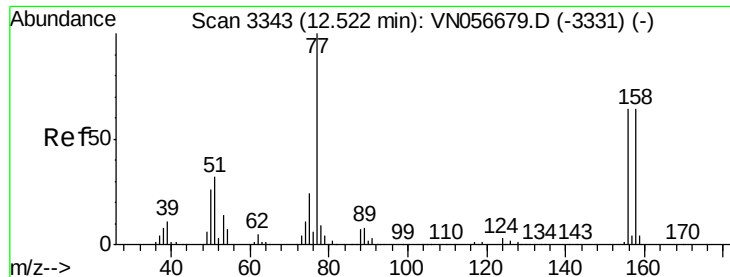
#72
 1,2,3-Trichloropropane
 Concen: 238.111 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion	75	Resp	1042665
Ion Ratio	Lower	Upper	
75	100		
77	123.9	0.0	352.2



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 163.849 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

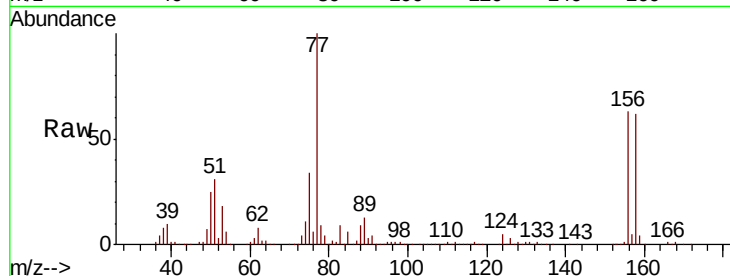
Tot Ion:156 Resp: 671575

Ion Ratio Lower Upper

156 100

77 192.4 0.0 381.8

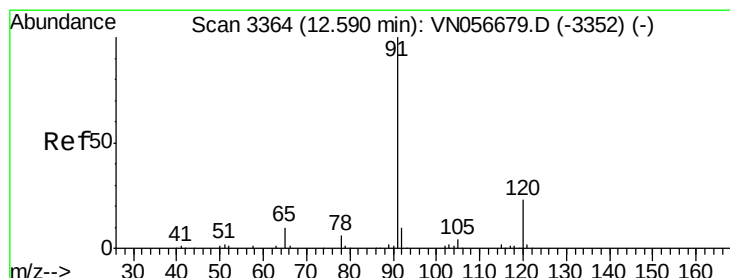
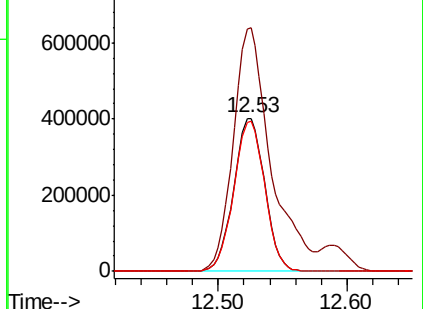
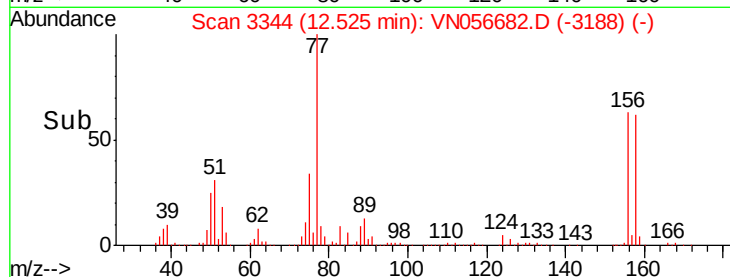
158 98.1 0.0 195.8



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: 162.381 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056682.D

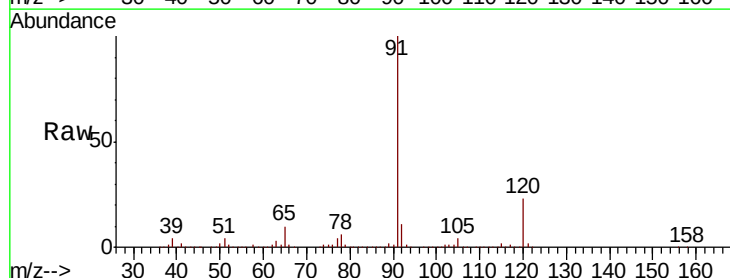
Acq: 12 Jul 2019 11:45

Tgt Ion: 91 Resp: 2938996

Ion Ratio Lower Upper

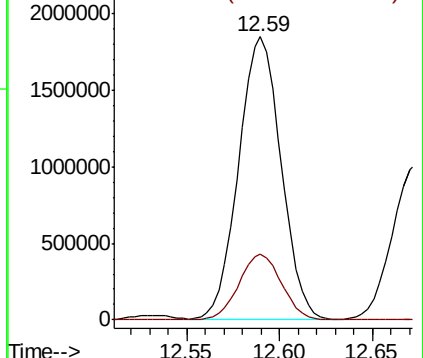
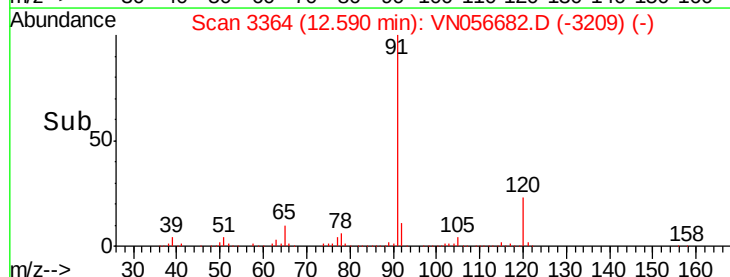
91 100

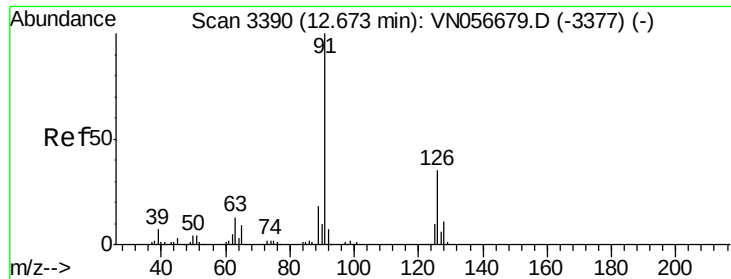
120 23.2 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 159.591 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

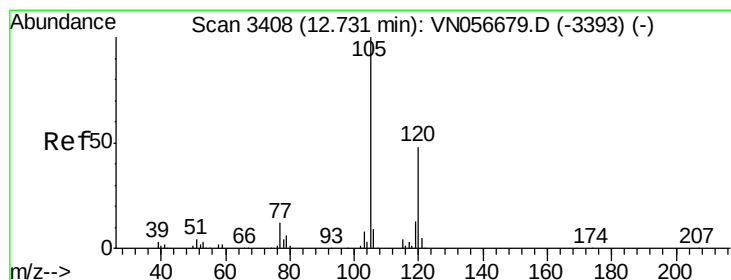
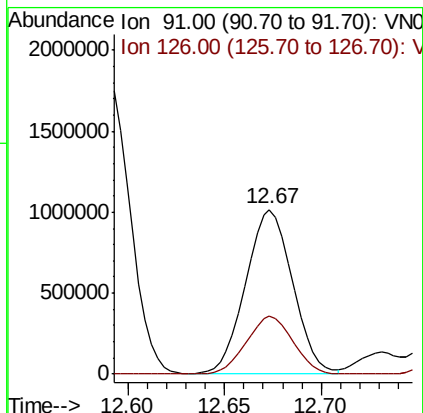
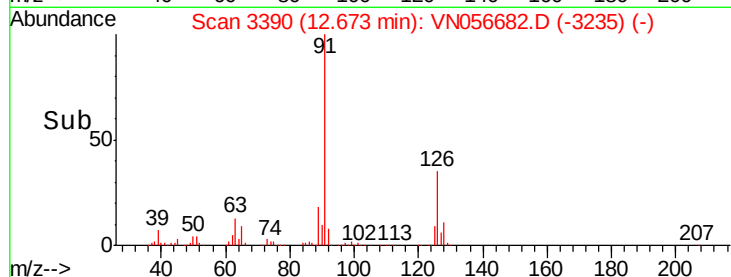
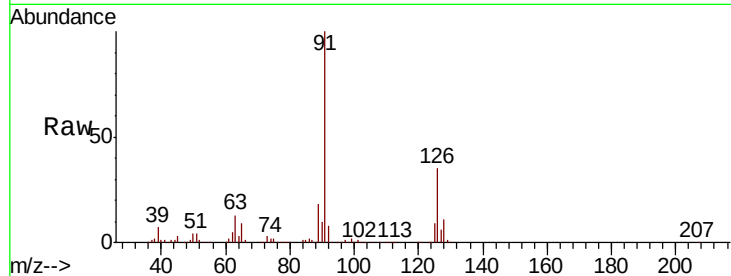
VSTDIC150

Tot Ion: 91 Resp: 1722217

Ion Ratio Lower Upper

91 100

126 34.9 0.0 69.8



#76

1,3,5-Trimethylbenzene

Concen: 159.485 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056682.D

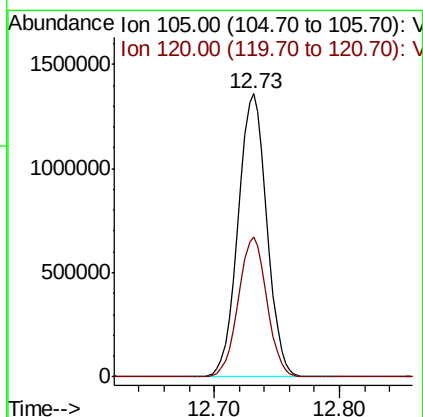
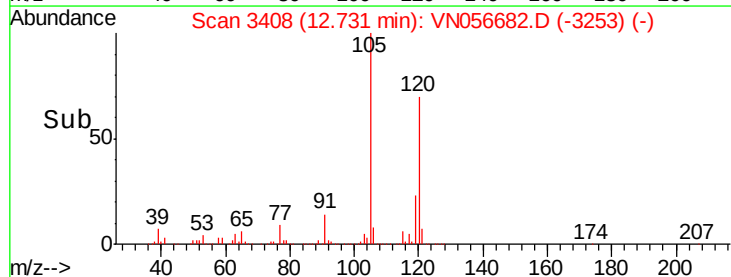
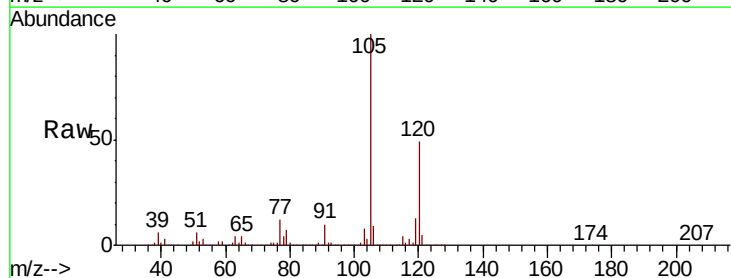
Acq: 12 Jul 2019 11:45

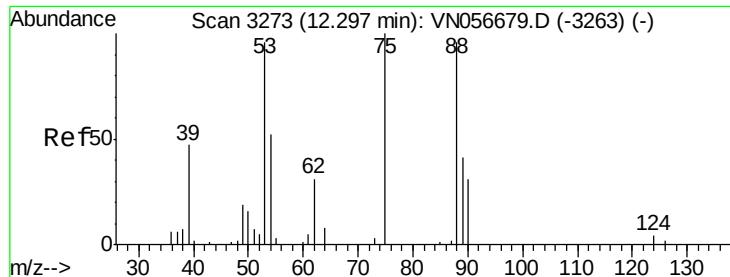
Tgt Ion: 105 Resp: 2156947

Ion Ratio Lower Upper

105 100

120 49.2 0.0 97.6





#77

t-1,4-Dichloro-2-butene

Concen: 197.010 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

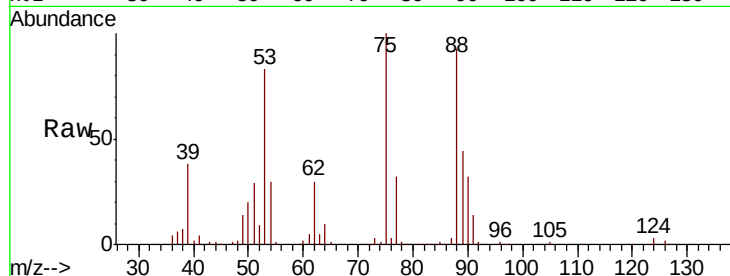
Tot Ion: 75 Resp: 280567

Ion Ratio Lower Upper

75 100

53 82.6 48.6 145.8

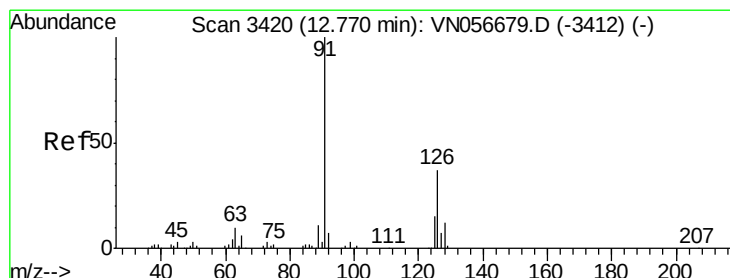
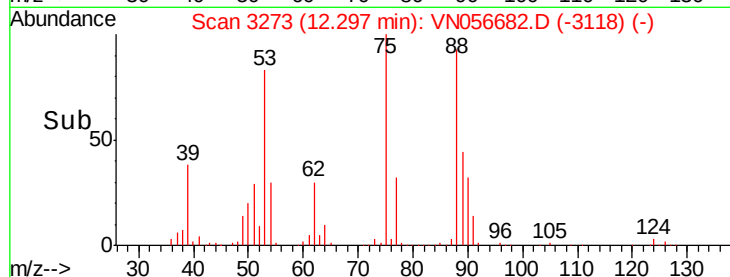
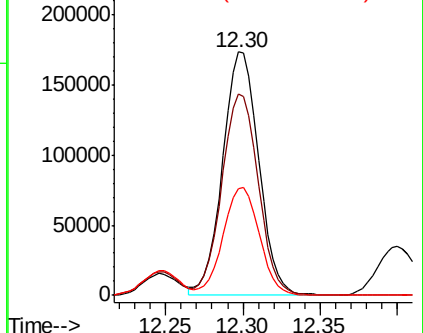
89 44.1 21.3 64.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 169.195 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056682.D

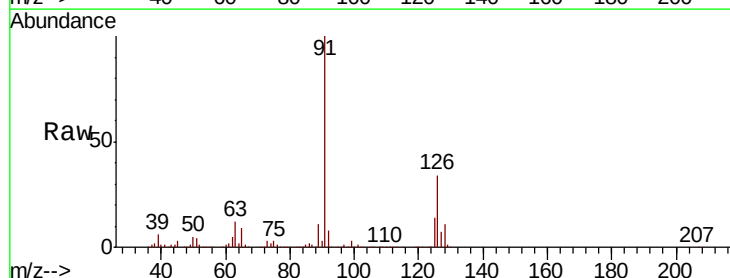
Acq: 12 Jul 2019 11:45

Tgt Ion: 91 Resp: 1771975

Ion Ratio Lower Upper

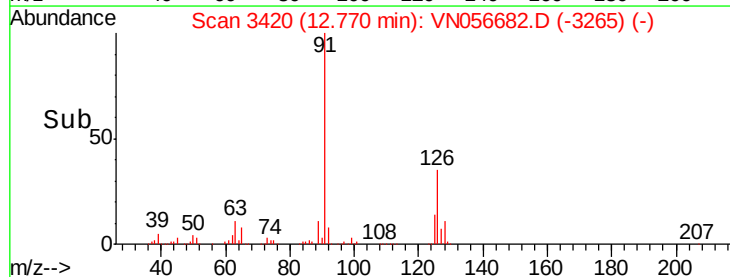
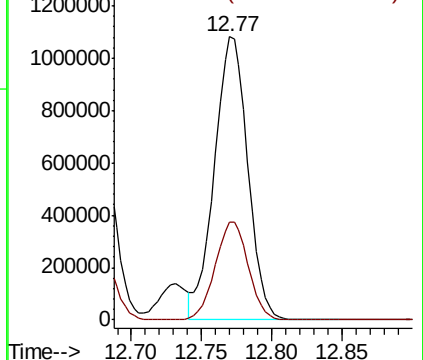
91 100

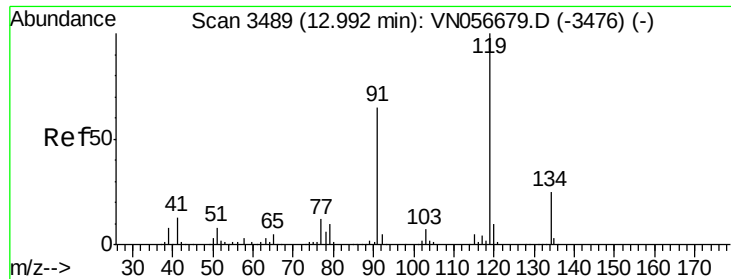
126 34.3 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

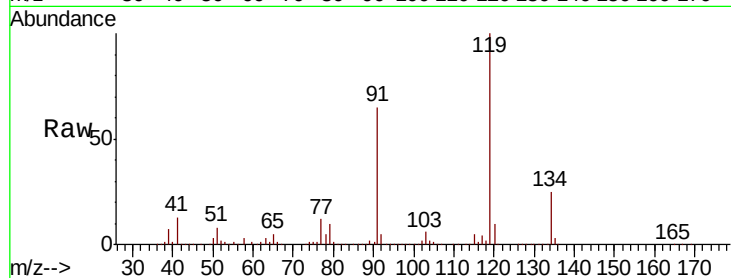




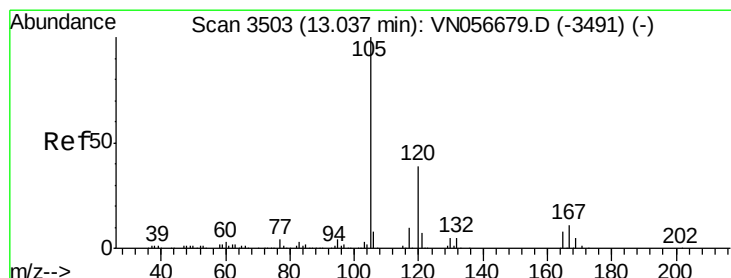
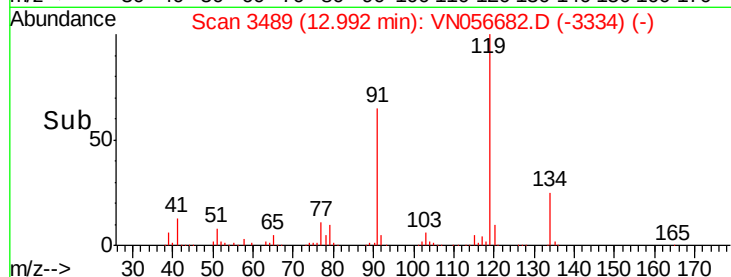
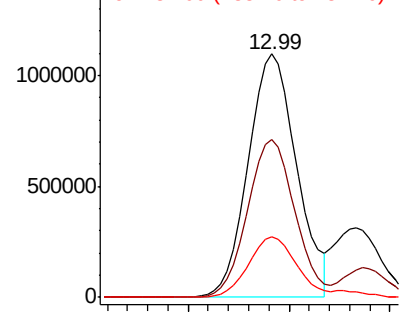
#79
tert-butylbenzene
Concen: 159.301 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion:119 Resp: 1834500
Ion Ratio Lower Upper
119 100
91 63.4 0.0 125.4
134 24.6 0.0 48.4

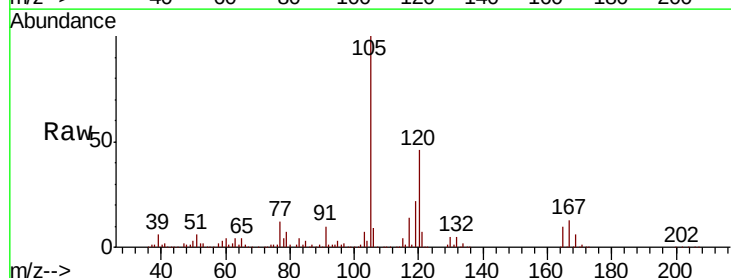


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

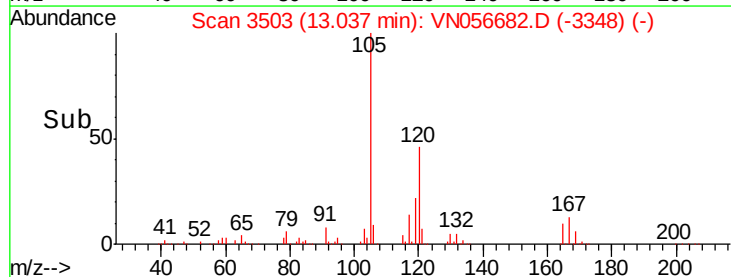
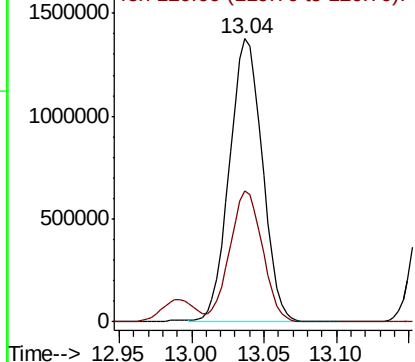


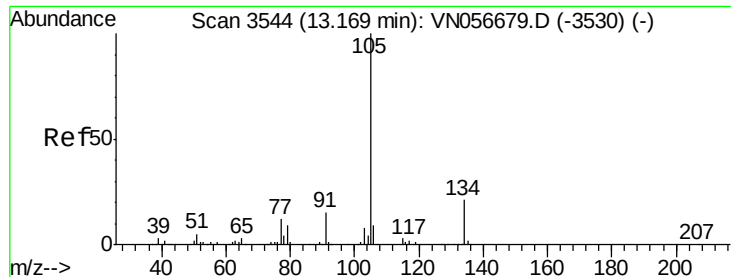
#80
1,2,4-Trimethylbenzene
Concen: 162.251 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion:105 Resp: 2168048
Ion Ratio Lower Upper
105 100
120 46.3 0.0 91.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 160.812 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

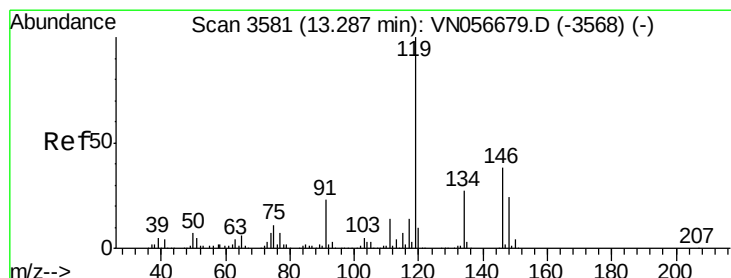
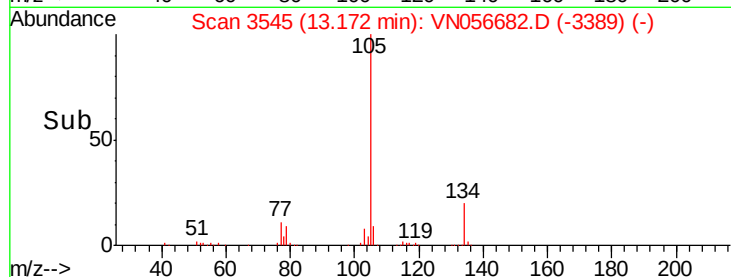
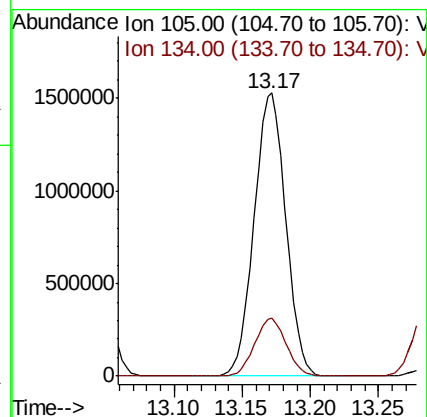
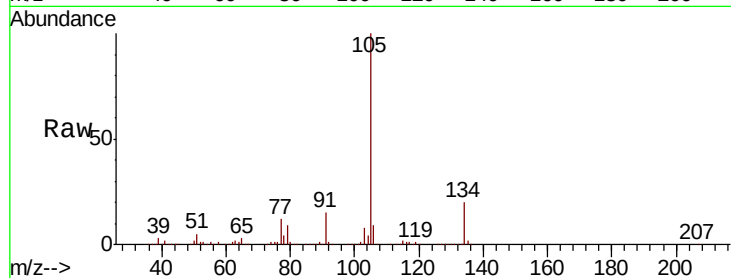
VSTDIC150

Tot Ion:105 Resp: 2458822

Ion Ratio Lower Upper

105 100

134 20.3 0.0 40.8



#82

p-Isopropyltoluene

Concen: 165.777 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

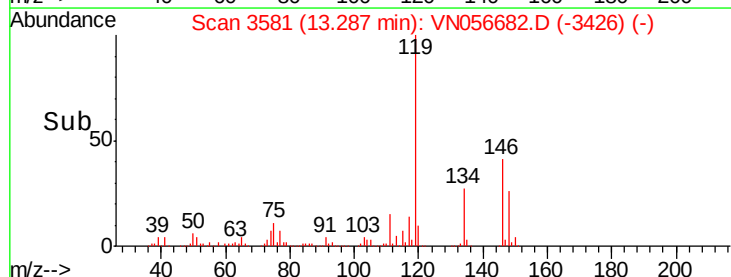
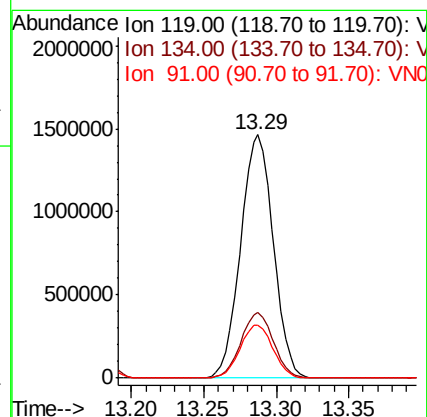
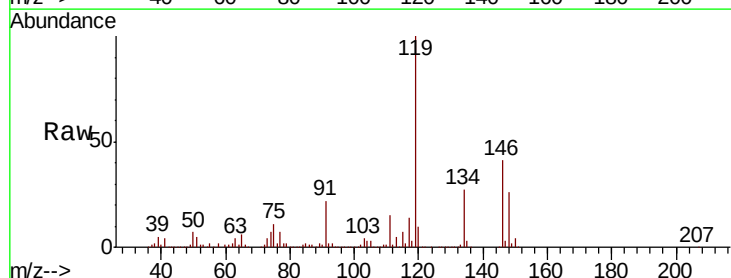
Tgt Ion:119 Resp: 2289514

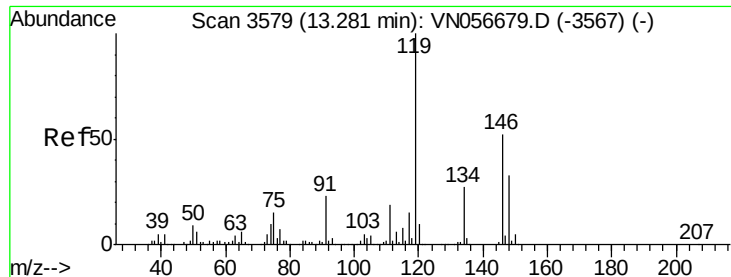
Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.8

91 22.0 0.0 45.4



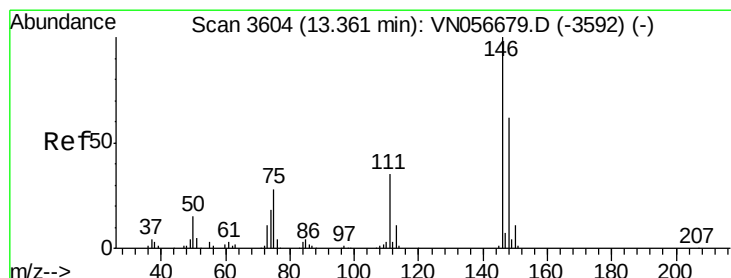
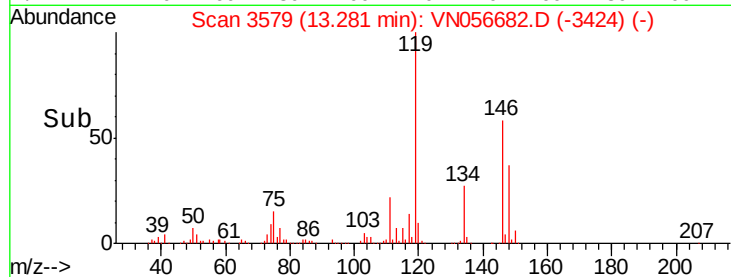
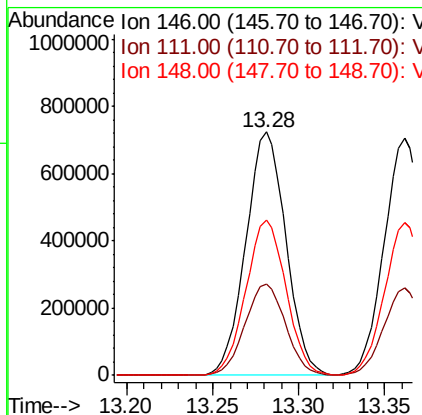
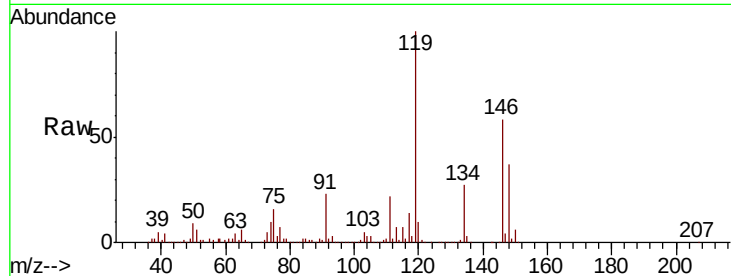


#83
 1,3-Dichlorobenzene
 Concen: 171.657 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1172478

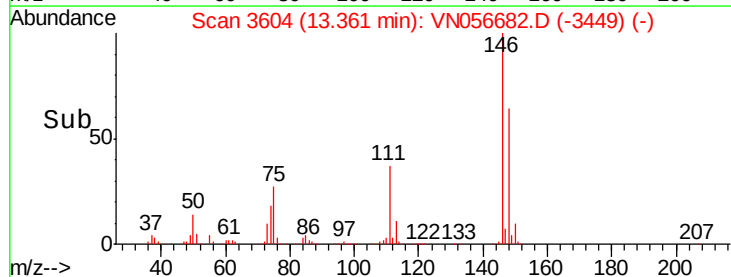
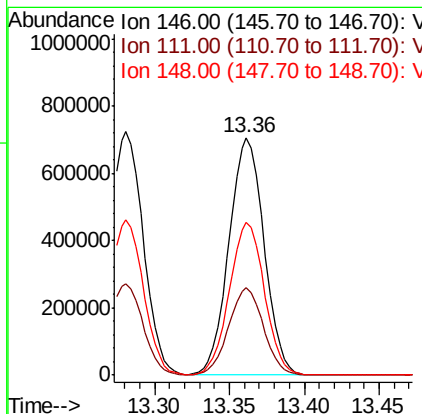
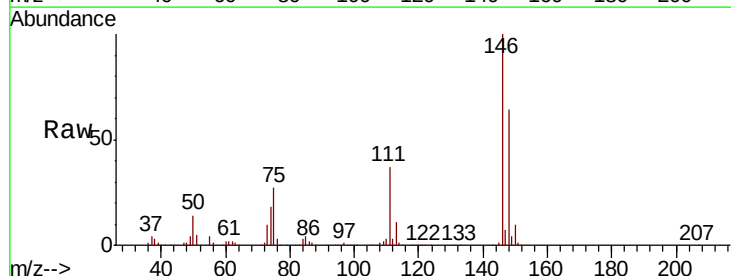
Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.7	56.1
148	63.8	31.8	95.4

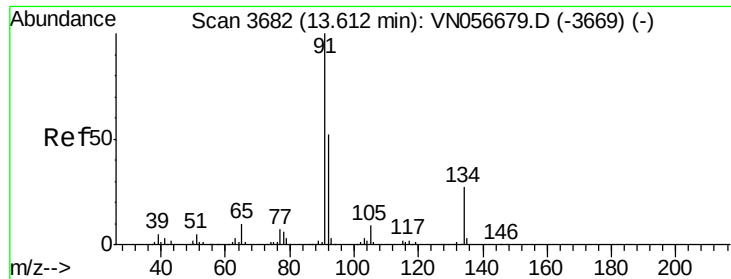


#84
 1,4-Dichlorobenzene
 Concen: 175.209 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion:146 Resp: 1151847

Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.8	53.4
148	64.3	31.9	95.5





#85

n-Butylbenzene

Concen: 172.230 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

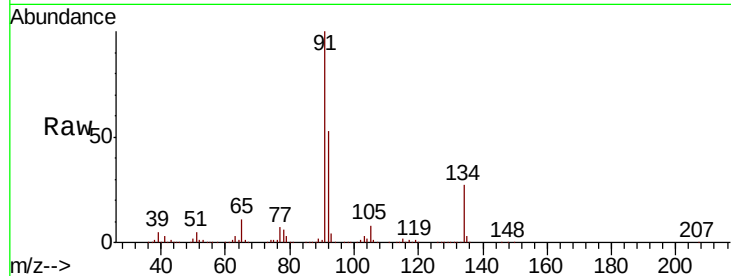
Tot Ion: 91 Resp: 1990663

Ion Ratio Lower Upper

91 100

92 52.8 0.0 104.0

134 26.8 0.0 53.2

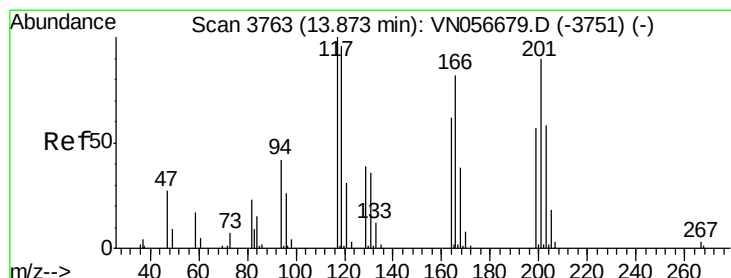
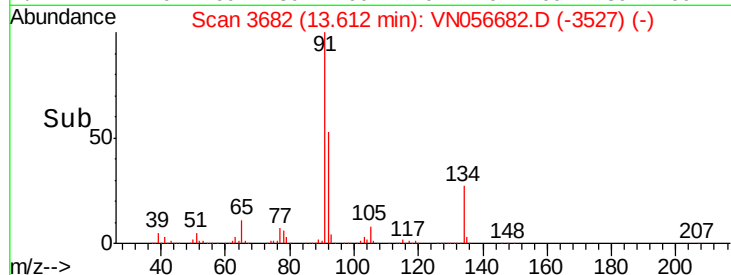


Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN056679.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN056679.D (-3669) (-)

Time-->



#86

Hexachloroethane

Concen: 184.527 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056682.D

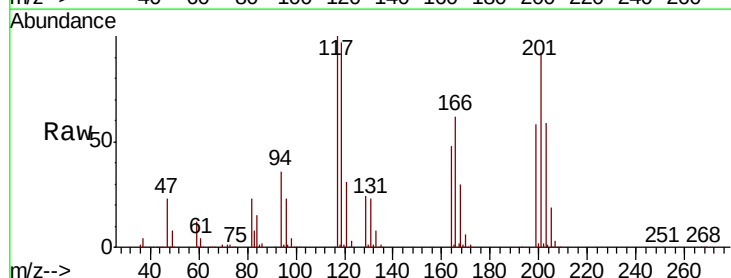
Acq: 12 Jul 2019 11:45

Tgt Ion: 117 Resp: 387605

Ion Ratio Lower Upper

117 100

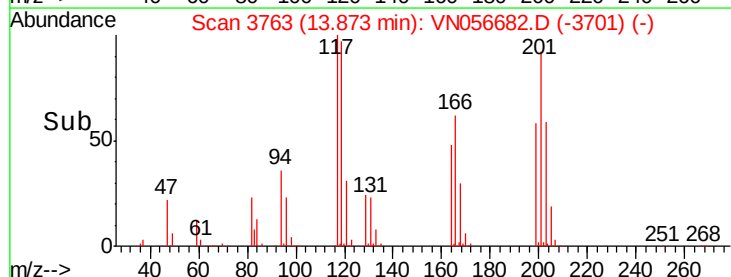
201 91.5 45.6 136.7

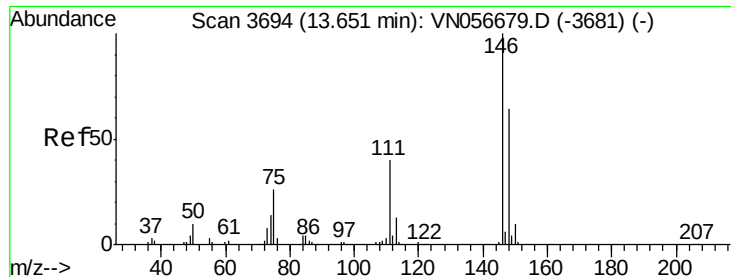


Abundance Ion 117.00 (116.70 to 117.70): VN056679.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056679.D (-3751) (-)

Time-->

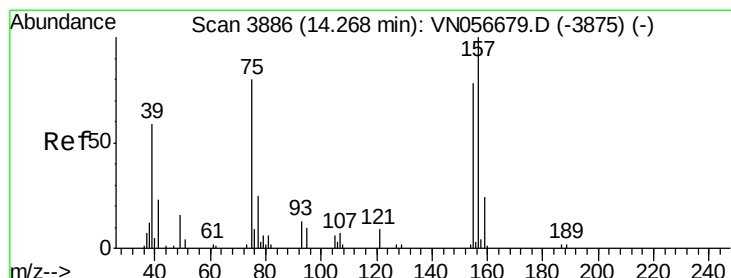
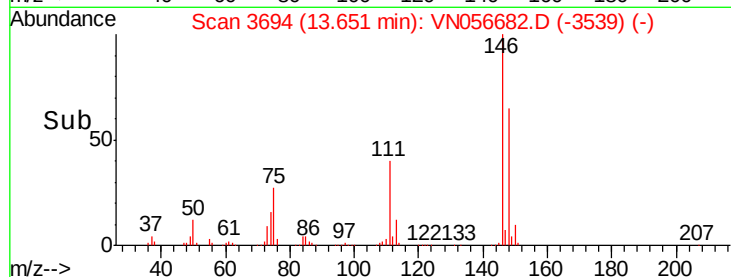
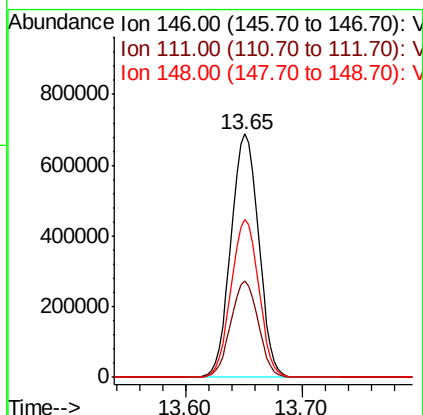
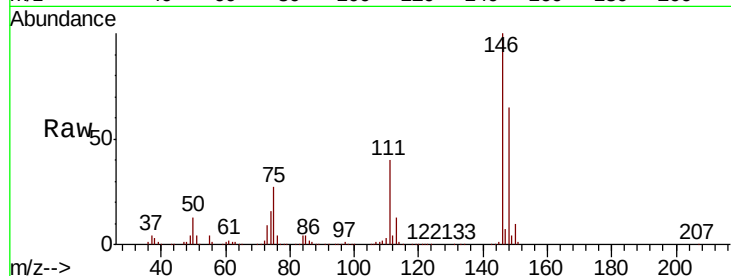




#87
 1,2-Dichlorobenzene
 Concen: 165.741 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

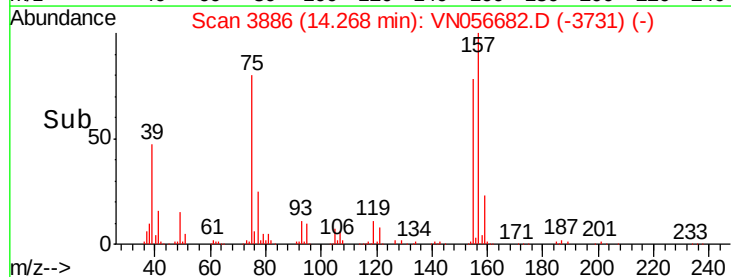
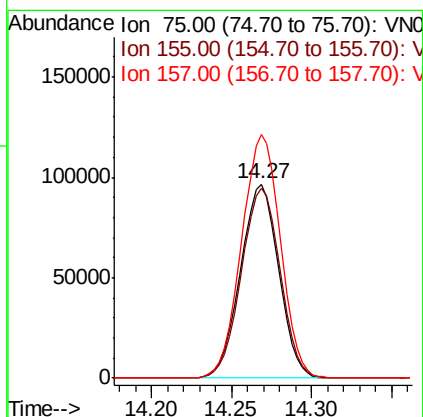
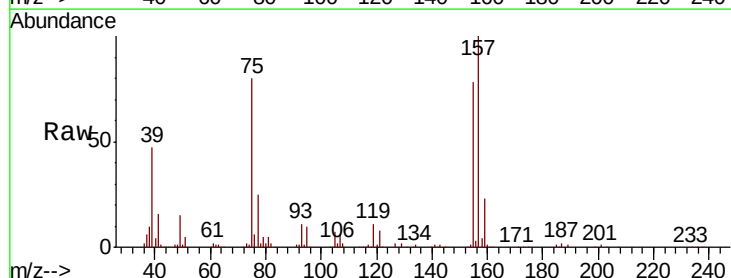
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

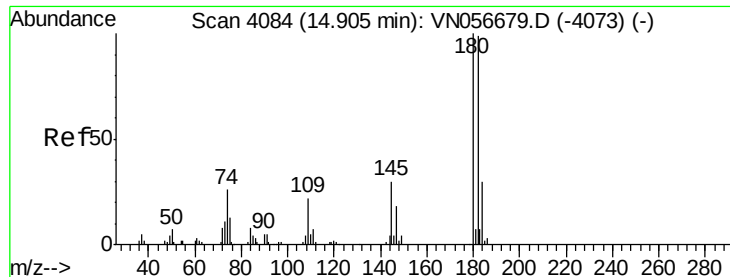
Tot Ion:146 Resp: 1140764
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 64.7 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 170.041 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion: 75 Resp: 158121
 Ion Ratio Lower Upper
 75 100
 155 99.3 78.6 117.8
 157 127.3 99.3 148.9

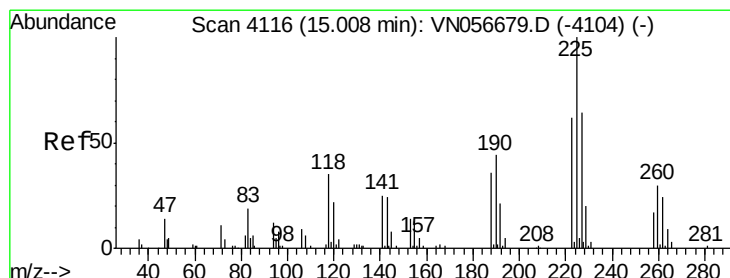
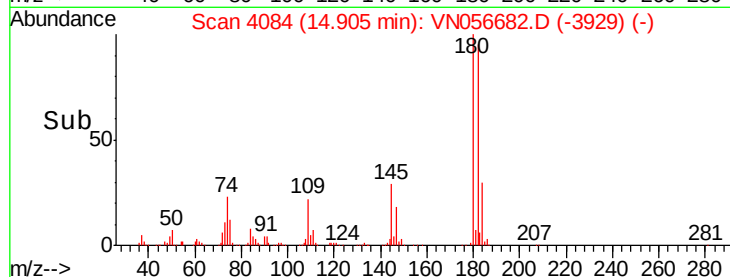
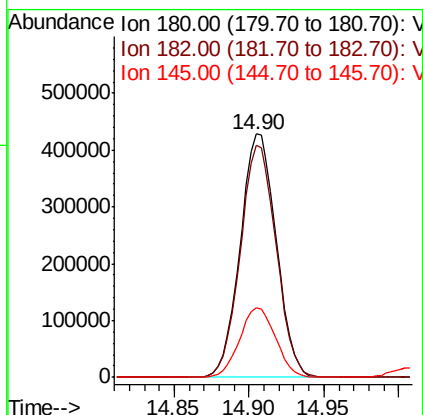
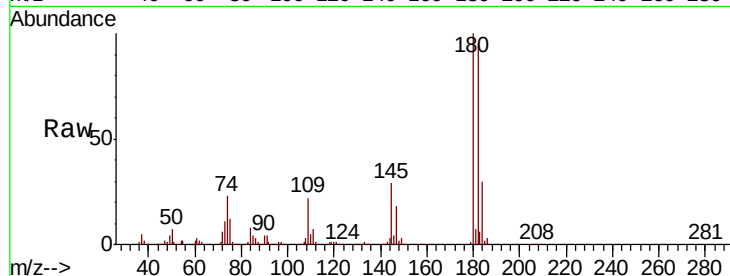




#89
 1,2,4-Trichlorobenzene
 Concen: 188.980 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

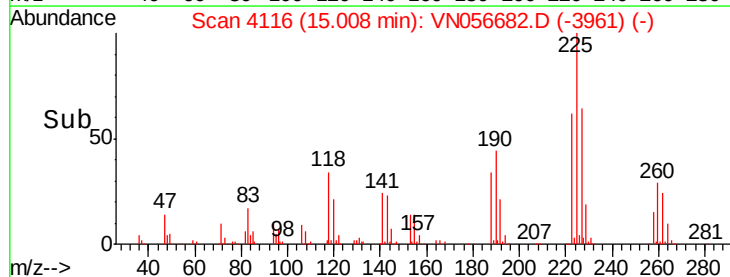
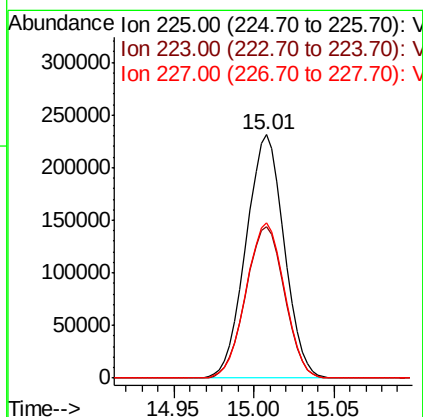
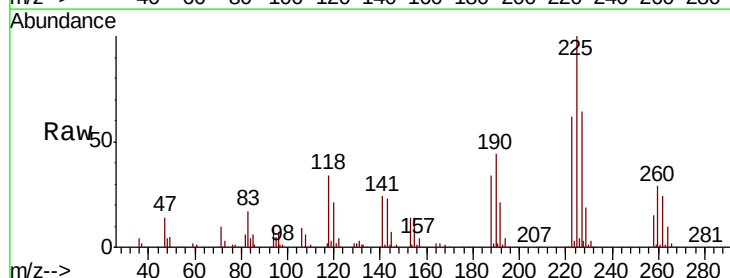
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

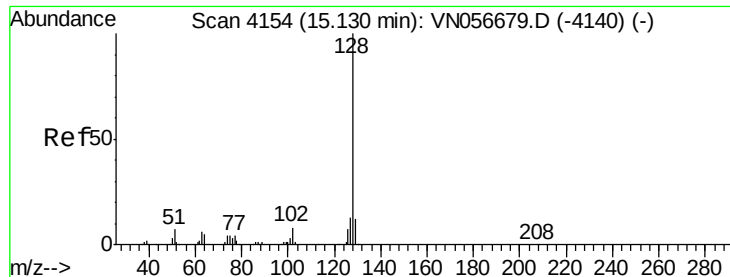
Tot Ion:180 Resp: 717102
 Ion Ratio Lower Upper
 180 100
 182 95.0 78.2 117.4
 145 28.5 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 156.931 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion:225 Resp: 376014
 Ion Ratio Lower Upper
 225 100
 223 63.3 0.0 124.6
 227 64.4 0.0 128.6

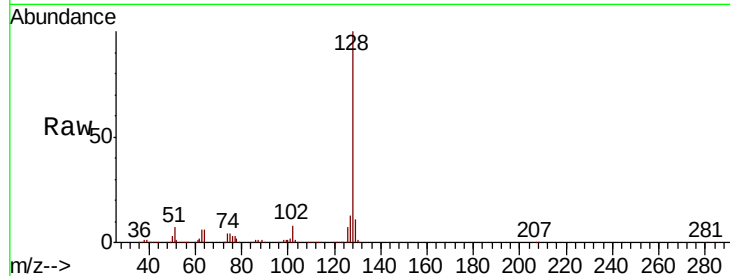




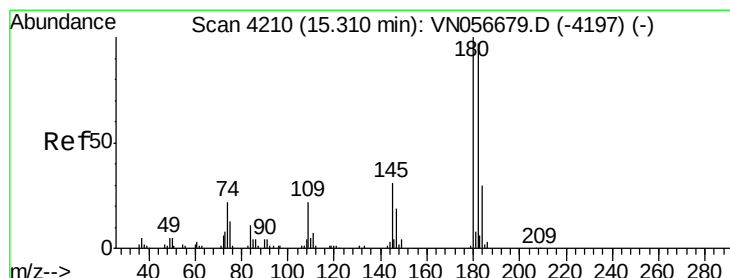
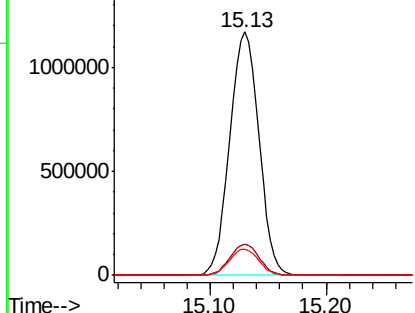
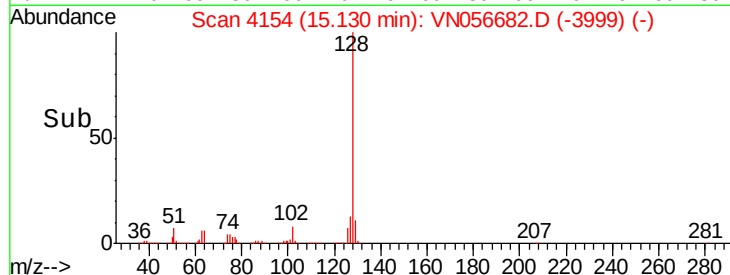
#91
Naphthalene
Concen: 194.491 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 2032001
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.8 13.2

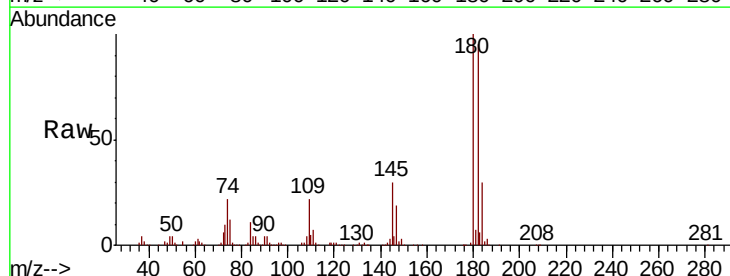


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 180.660 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion:180 Resp: 717663
Ion Ratio Lower Upper
180 100
182 95.4 0.0 192.4
145 30.2 0.0 60.4



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

