

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056679.D
 Acq On : 12 Jul 2019 10:36
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Jul 12 23:43:53 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	7.19	128	57783	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	312438	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	276721	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	116206	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%
60) 4-Bromofluorobenzene	12.40	95	126747	29.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.97%
63) Toluene-d8	10.09	98	388903	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	68451	22.784	ug/l 100
3) Chloromethane	2.06	50	90107	21.009	ug/l 100
4) Vinyl Chloride	2.18	62	88465	21.682	ug/l 100
5) Bromomethane	2.55	94	54292	24.520	ug/l 100
6) Chloroethane	2.70	64	49982	22.059	ug/l 100
7) Trichlorofluoromethane	3.01	101	114314	21.874	ug/l 100
8) Diethyl Ether	3.41	74	45150	20.637	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	70986	21.492	ug/l 100
10) 1,1-Dichloroethene	3.73	96	67922	21.103	ug/l 100
11) Methyl Iodide	3.95	142	88179	19.272	ug/l 100
12) Methyl Acetate	4.32	43	83718	19.407	ug/l 100
13) Acrolein	3.60	56	28737	73.061	ug/l 100
14) Acrylonitrile	4.99	53	195327	102.835	ug/l 100
15) Acetone	3.82	58	81683	140.642	ug/l 100
16) Carbon Disulfide	4.05	76	173313	21.852	ug/l 100
17) Allyl chloride	4.32	41	115843	20.524	ug/l 100
18) Methylene Chloride	4.55	84	79954	20.983	ug/l 100
19) trans-1,2-Dichloroethene	5.04	96	73321	20.981	ug/l 100
20) Diisopropyl ether	5.95	45	237756	20.554	ug/l 100
21) 1,1-Dichloroethane	5.85	63	135514	20.726	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	85139	20.746	ug/l 100
23) tert-Butyl Alcohol	4.79	59	68267	95.851	ug/l 100
24) Methyl tert-Butyl Ether	5.05	73	214074	20.212	ug/l 100
25) Chloroform	7.37	83	134105	20.886	ug/l 100
26) Cyclohexane	7.65	56	127931	21.084	ug/l 100
29) 1,1-Dichloropropene	7.79	75	102263	21.543	ug/l 100
30) 2-Butanone	6.83	43	309710	115.908	ug/l 100
31) 2,2-Dichloropropane	6.83	77	97314	21.311	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	107653	21.345	ug/l 100
33) Carbon Tetrachloride	7.77	117	92433	21.467	ug/l 100
34) Benzene	8.04	78	315108	21.320	ug/l 100
35) Methacrylonitrile	7.17	41	39421	17.912	ug/l 100
36) 1,2-Dichloroethane	8.12	62	101276	21.128	ug/l 100
37) Trichloroethene	8.83	130	85152	21.868	ug/l 100
38) Methylcyclohexane	9.08	83	129048	21.644	ug/l 100
39) 1,2-Dichloropropane	9.12	63	84293	21.245	ug/l 100
40) Dibromomethane	9.21	93	53120	21.547	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	97423	21.250	ug/l	100
42) Vinyl Acetate	5.89	43	982980	105.493	ug/l	100
43) Ethyl Acetate	6.93	43	106903	21.165	ug/l	100
44) Isopropyl Acetate	8.16	43	160421	20.423	ug/l	100
45) 1,4-Dioxane	9.20	88	34626	443.813	ug/l	100
46) Methyl methacrylate	9.20	41	78299	20.255	ug/l	100
47) n-amyl Acetate	12.07	43	127664	19.617	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	102739	20.866	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	118429	20.922	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	76867	21.244	ug/l	100
51) Ethyl methacrylate	10.43	69	115751	20.451	ug/l	100
52) 1,3-Dichloropropane	10.71	76	132261	21.422	ug/l	100
53) Dibromochloromethane	10.90	129	75364	21.100	ug/l	100
54) 1,2-Dibromoethane	11.00	107	79108	20.949	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	283219	99.075	ug/l	100
56) Bromoform	12.12	173	54199	20.725	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	526942	104.306	ug/l	100
59) 2-Hexanone	10.75	43	413555	108.831	ug/l	100
61) Tetrachloroethene	10.63	164	82932	22.953	ug/l	100
62) Toluene	10.16	91	333412	21.179	ug/l	100
64) Chlorobenzene	11.43	112	199644	21.023	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	73402	21.302	ug/l	100
66) Ethyl Benzene	11.51	91	358079	20.955	ug/l	100
67) m/p-Xylenes	11.62	106	272044	42.882	ug/l	100
68) o-Xylene	11.95	106	129712	20.839	ug/l	100
69) Styrene	11.96	104	214031	20.683	ug/l	100
70) Isopropylbenzene	12.25	105	347289	21.302	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	111151	20.735	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	131186	29.171	ug/l	67
73) Bromobenzene	12.52	156	89051	21.155	ug/l	100
74) n-propylbenzene	12.59	91	393389	21.164	ug/l	100
75) 2-Chlorotoluene	12.67	91	236266	21.318	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	300593	21.642	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	28708	19.628	ug/l	100
78) 4-Chlorotoluene	12.77	91	225426	20.959	ug/l	100
79) tert-butylbenzene	12.99	119	251115	21.233	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	295043	21.500	ug/l	100
81) sec-Butylbenzene	13.17	105	333973	21.268	ug/l	100
82) p-Isopropyltoluene	13.29	119	305347	21.528	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	146493	20.883	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	139262	20.626	ug/l	100
85) n-Butylbenzene	13.61	91	243786	20.538	ug/l	100
86) Hexachloroethane	13.87	117	45680	21.175	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	147357	20.847	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18002	18.850	ug/l	100
89) 1,2,4-Trichlorobenzene	14.90	180	71113	18.248	ug/l	100
90) Hexachlorobutadiene	15.01	225	53505	21.743	ug/l	100
91) Naphthalene	15.13	128	178026	16.592	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	75925	18.610	ug/l	100

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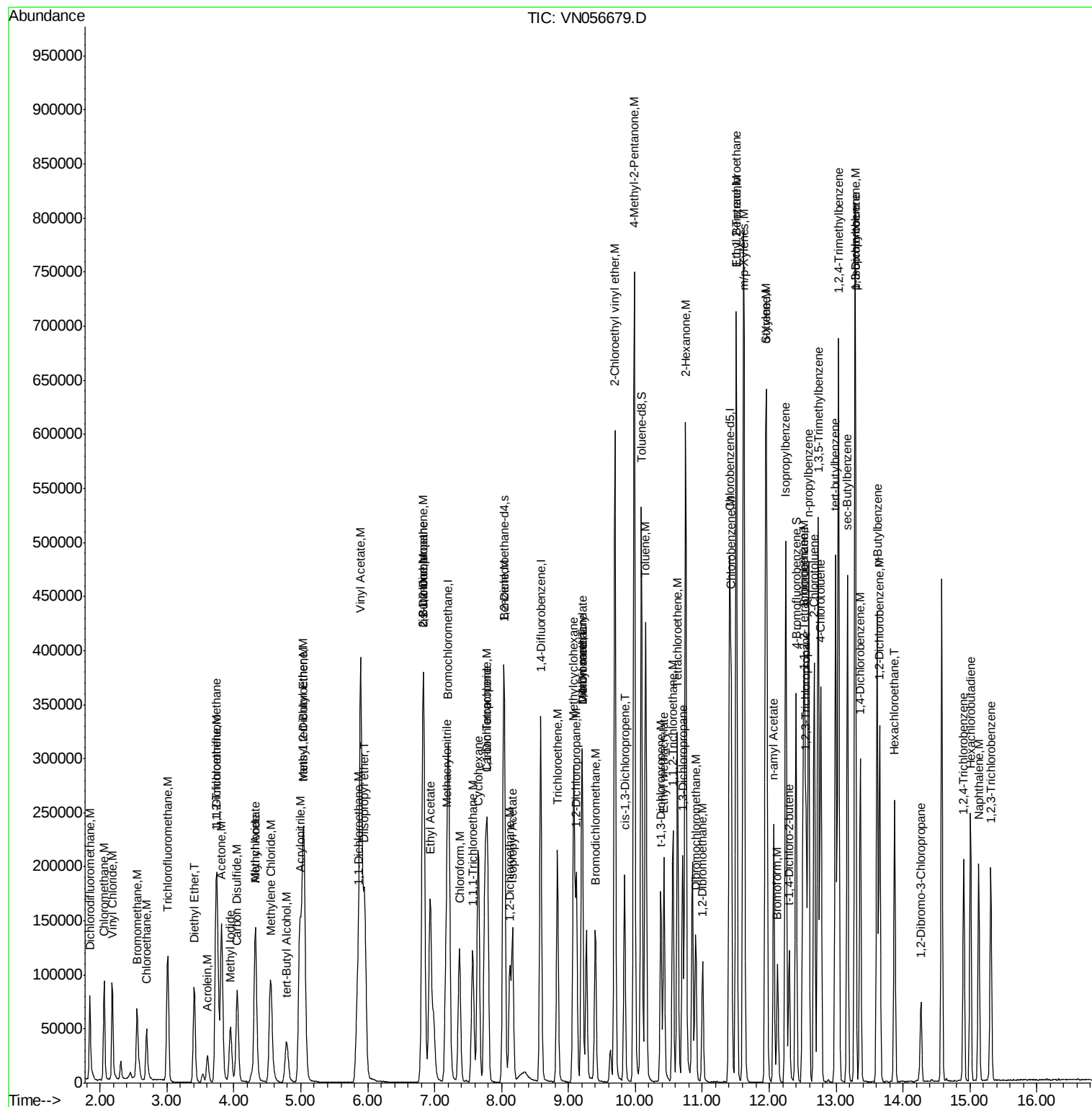
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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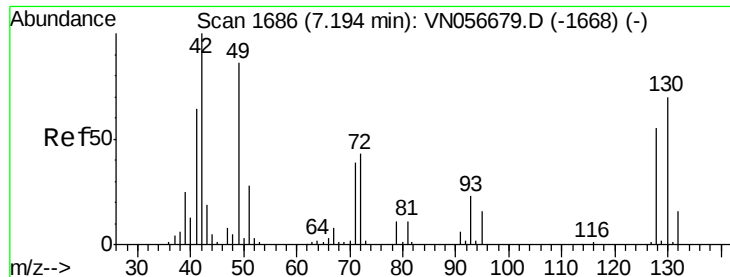
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

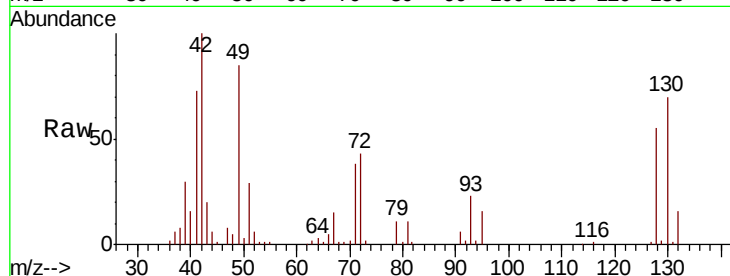
Tot Ion:128 Resp: 57783

Ion Ratio Lower Upper

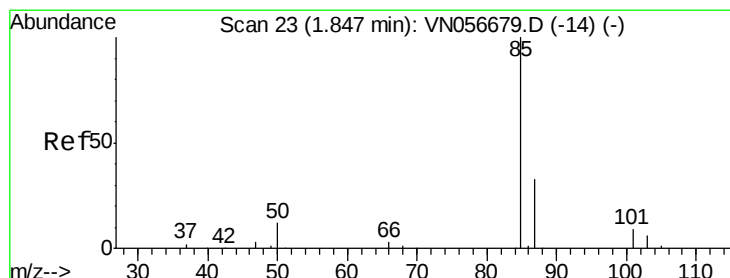
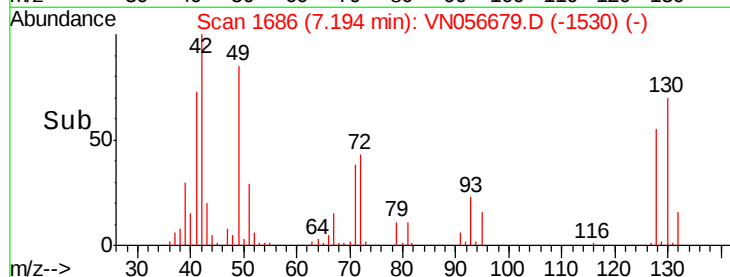
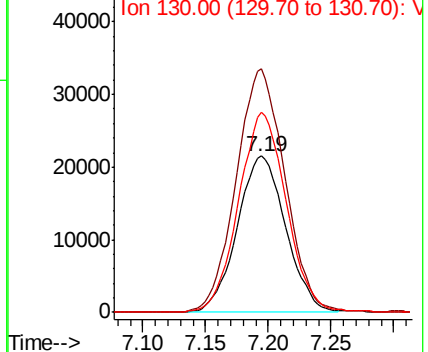
128 100

49 156.2 0.0 390.5

130 126.6 0.0 316.5



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



#2

Dichlorodifluoromethane

Concen: 22.784 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056679.D

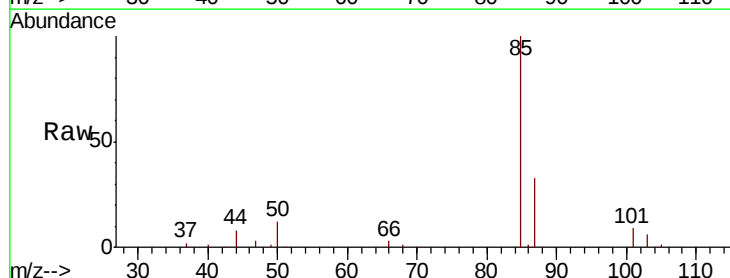
Acq: 12 Jul 2019 10:36

Tgt Ion: 85 Resp: 68451

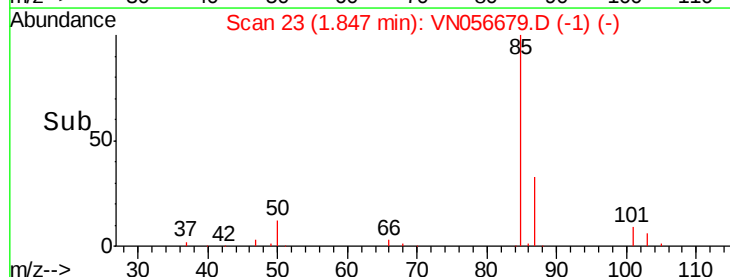
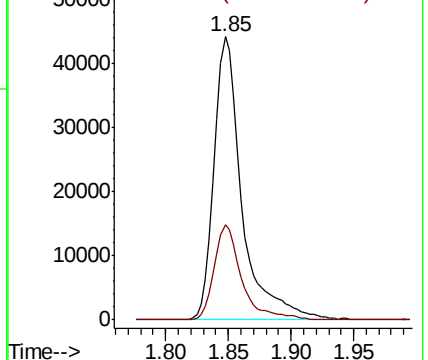
Ion Ratio Lower Upper

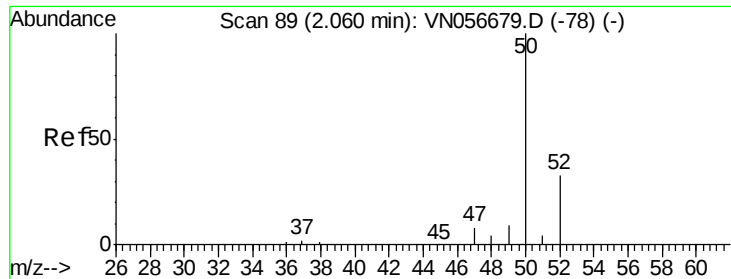
85 100

87 33.5 16.8 50.3



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





#3

Chloromethane

Concen: 21.009 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

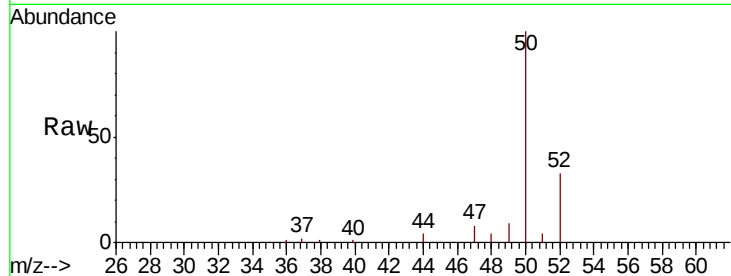
VSTDICCC020

Tot Ion: 50 Resp: 90107

Ion Ratio Lower Upper

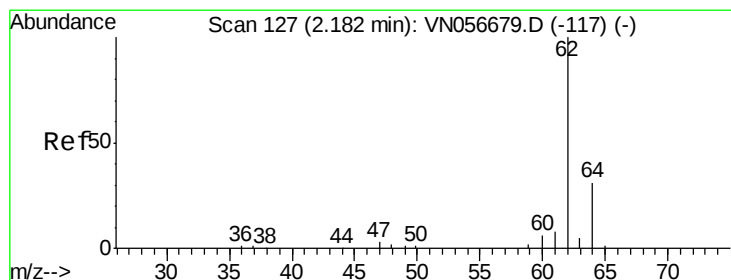
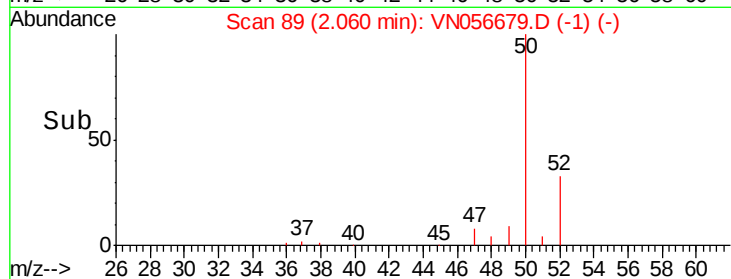
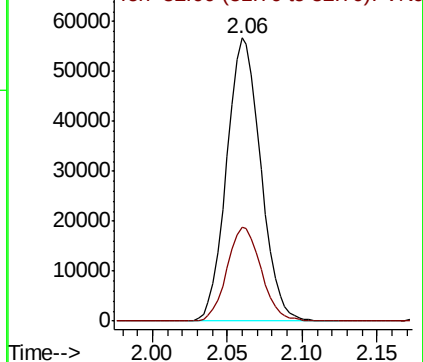
50 100

52 33.1 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 21.682 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056679.D

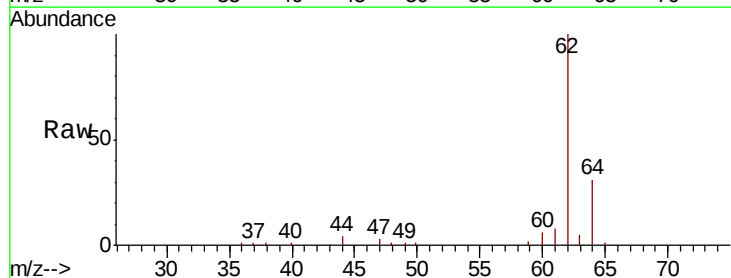
Acq: 12 Jul 2019 10:36

Tgt Ion: 62 Resp: 88465

Ion Ratio Lower Upper

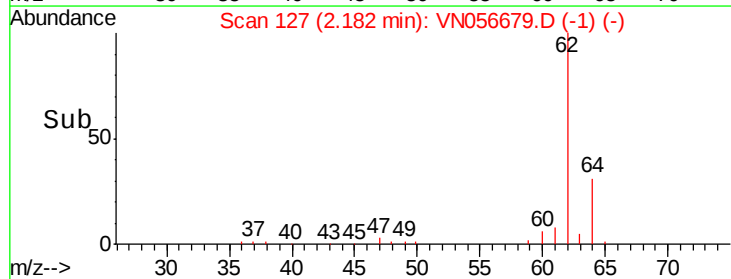
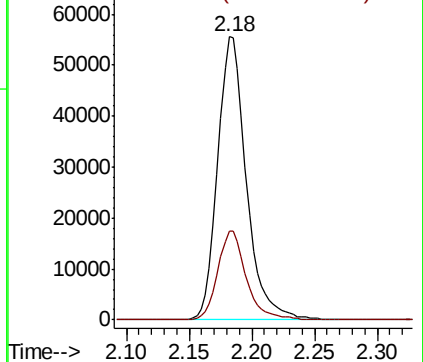
62 100

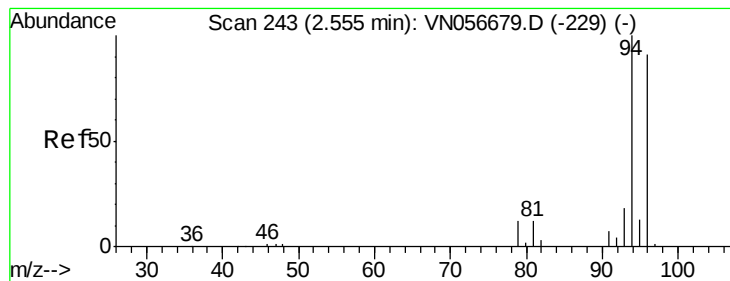
64 31.2 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 24.520 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

Instrument :

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ClientSampleId :

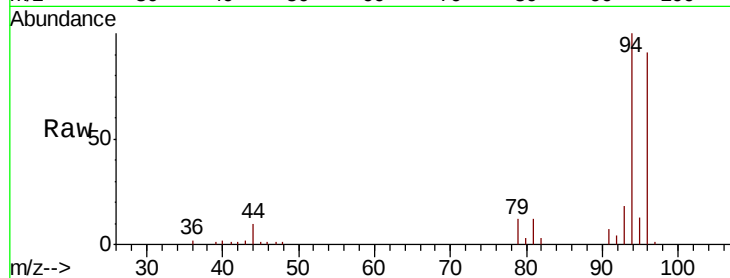
VSTDICCC020

Tot Ion: 94 Resp: 54292

Ion Ratio Lower Upper

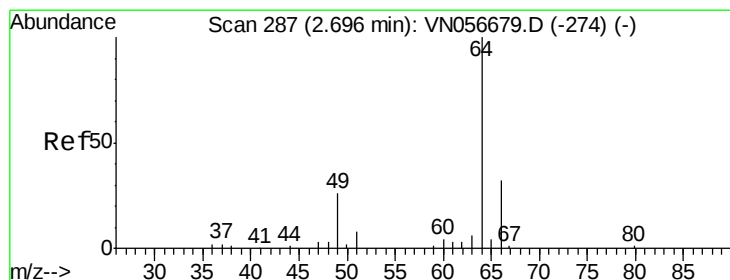
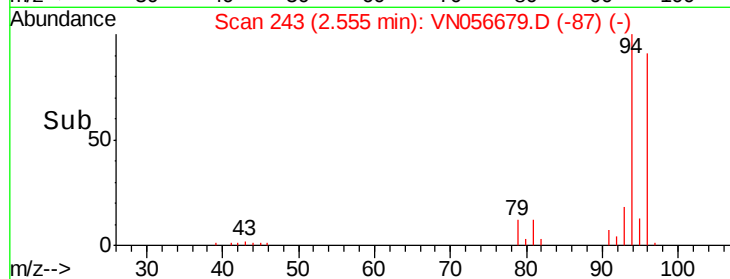
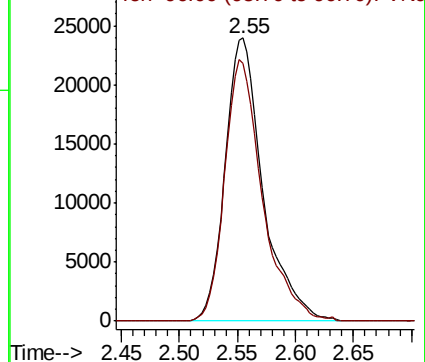
94 100

96 91.0 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 22.059 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN056679.D

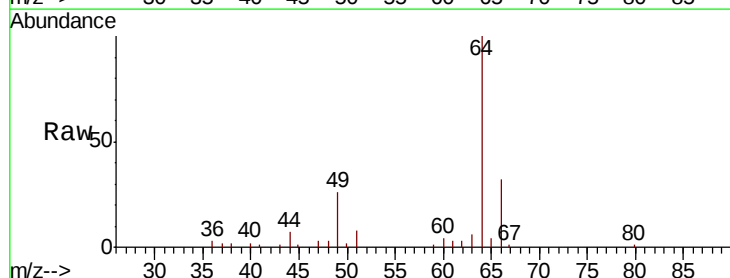
Acq: 12 Jul 2019 10:36

Tgt Ion: 64 Resp: 49982

Ion Ratio Lower Upper

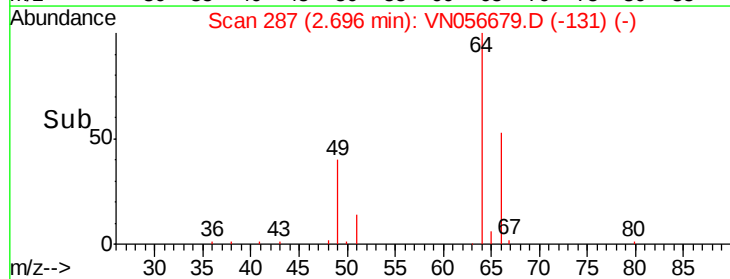
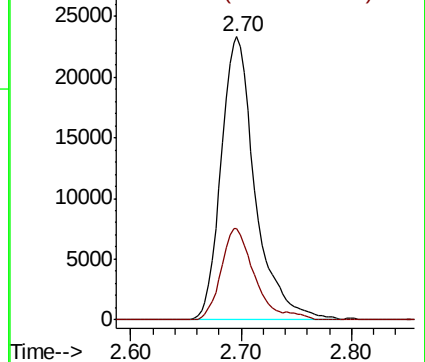
64 100

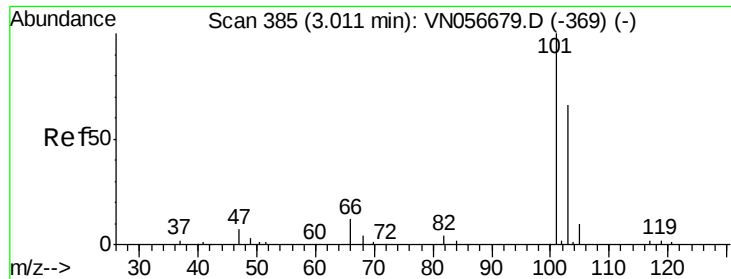
66 32.1 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



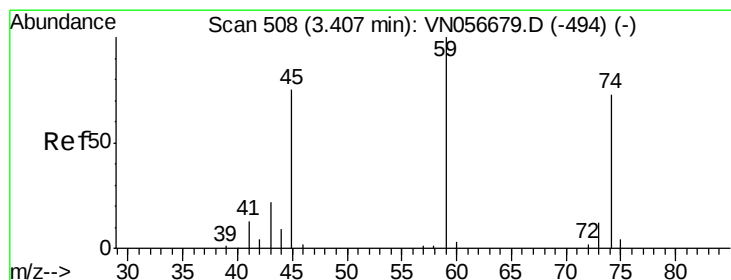
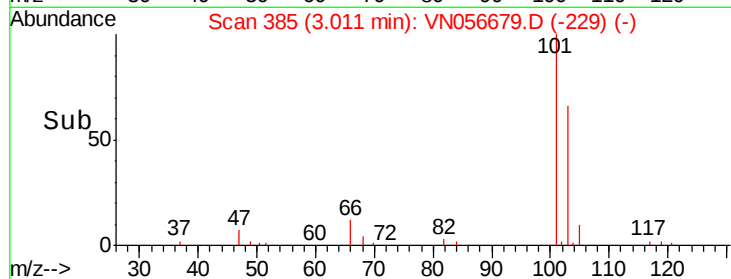
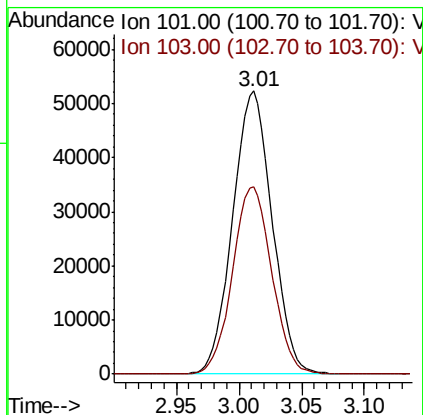
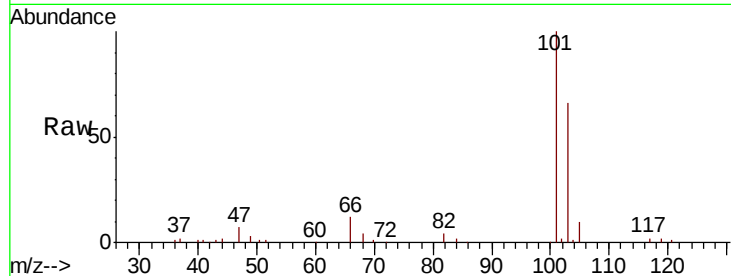


#7

Trichlorofluoromethane
 Concen: 21.874 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN056679.D
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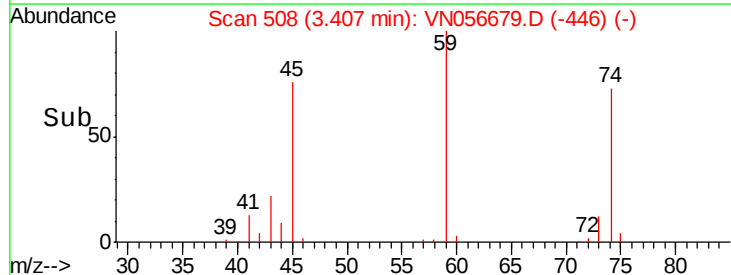
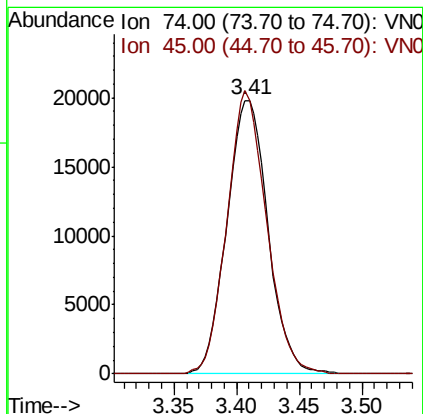
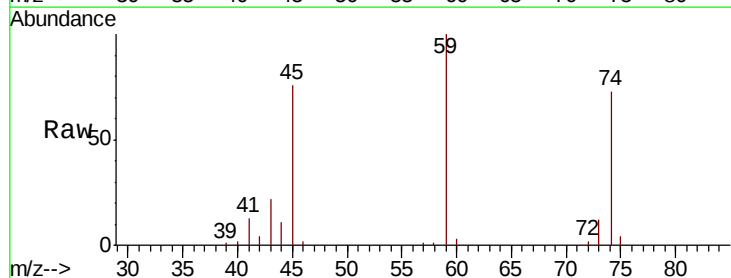
Tot Ion:101 Resp: 114314
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.8 79.2

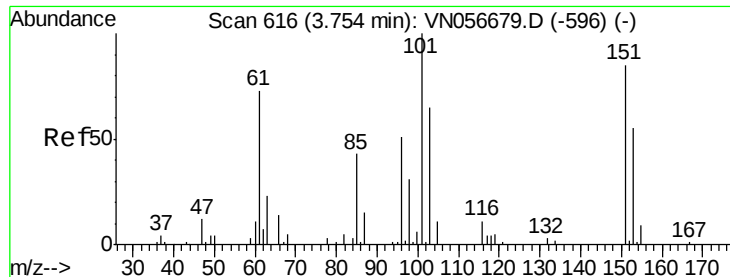


#8

Diethyl Ether
 Concen: 20.637 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

Tgt Ion: 74 Resp: 45150
 Ion Ratio Lower Upper
 74 100
 45 99.7 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.492 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056679.D

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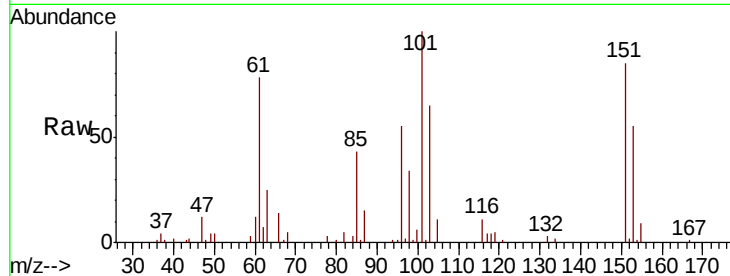
Tot Ion:101 Resp: 70986

Ion Ratio Lower Upper

101 100

85 42.1 0.0 84.2

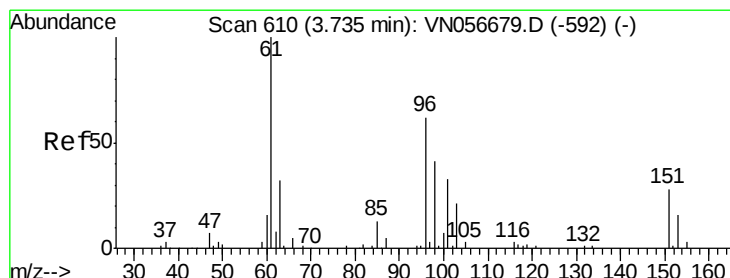
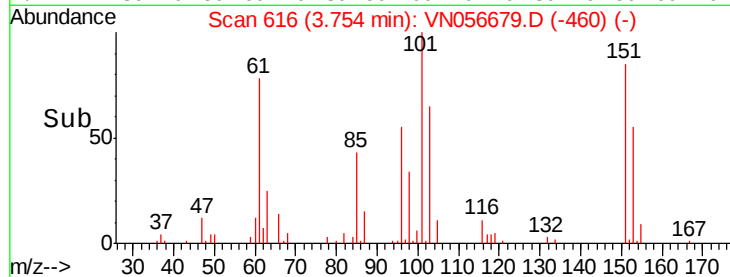
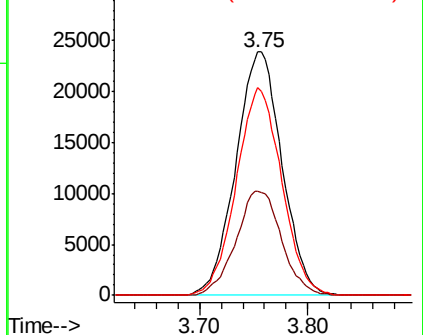
151 83.8 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 21.103 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

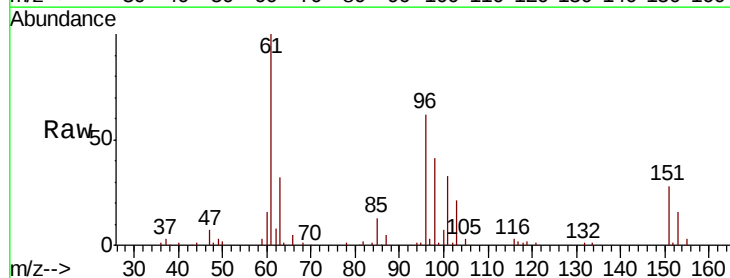
Tgt Ion: 96 Resp: 67922

Ion Ratio Lower Upper

96 100

61 161.2 129.0 193.4

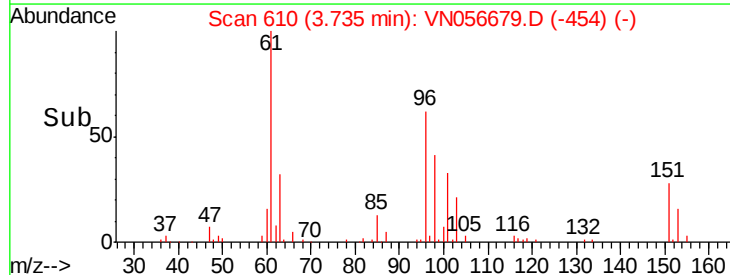
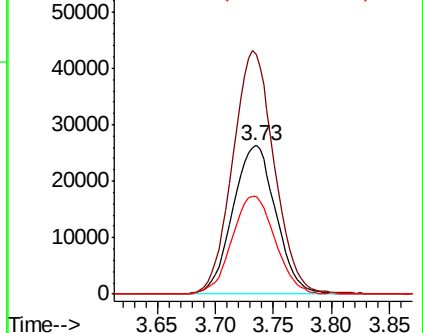
98 65.6 52.5 78.7

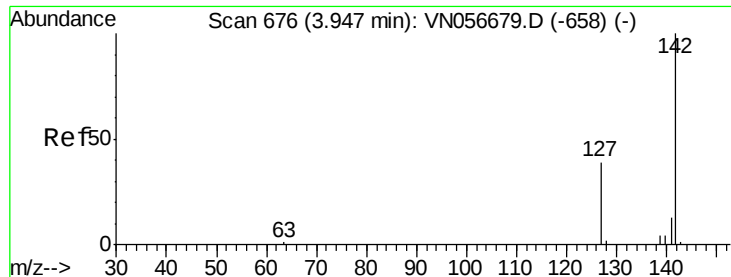


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

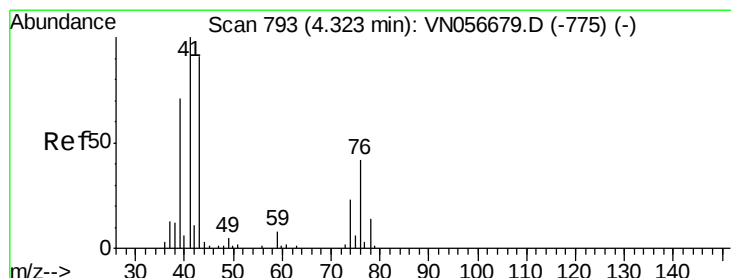
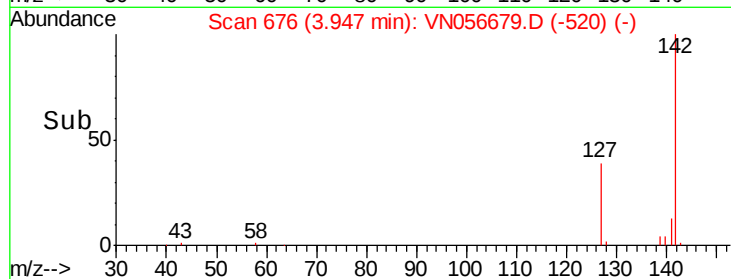
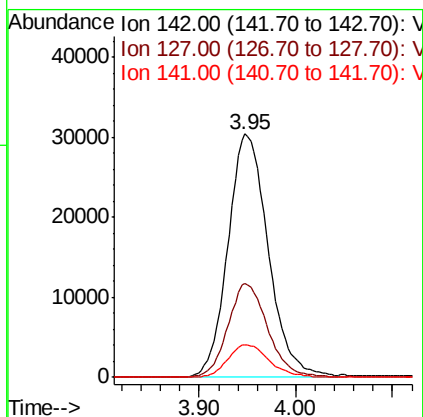
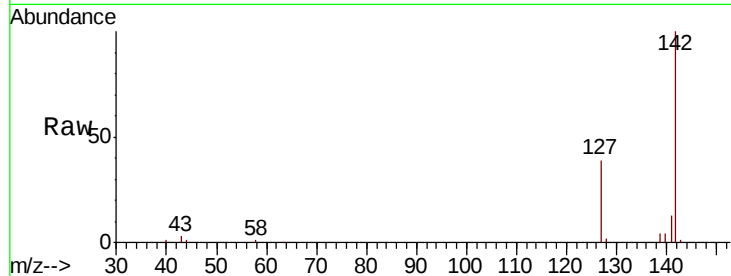




#11
Methyl Iodide
Concen: 19.272 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

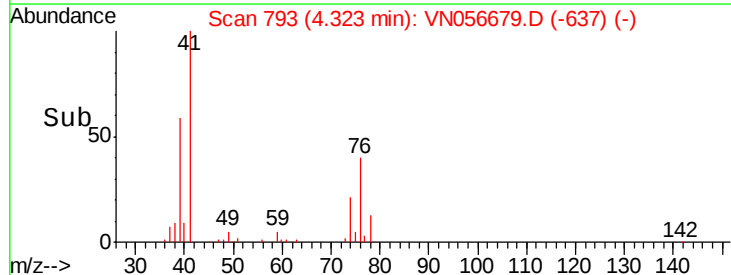
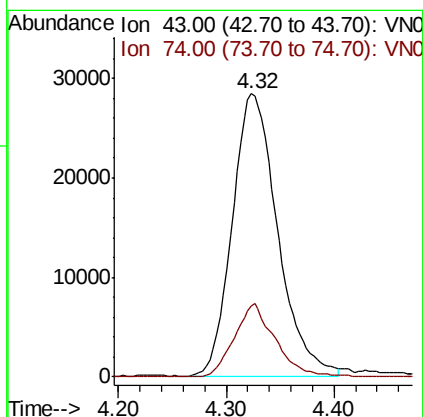
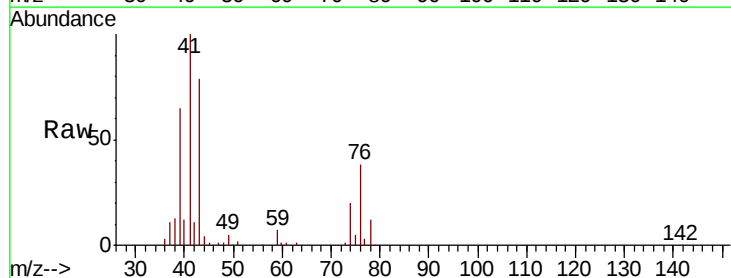
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

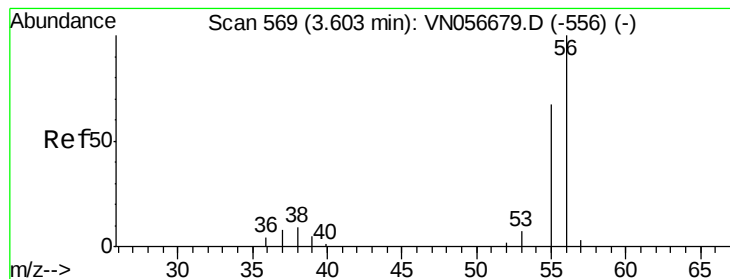
Tot Ion:142 Resp: 88179
Ion Ratio Lower Upper
142 100
127 39.0 19.5 58.5
141 13.5 6.8 20.3



#12
Methyl Acetate
Concen: 19.407 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 43 Resp: 83718
Ion Ratio Lower Upper
43 100
74 25.3 20.2 30.4





#13

Acrolein

Concen: 73.061 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

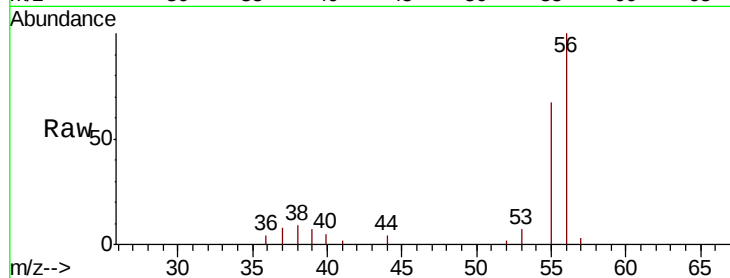
VSTDICCC020

Tot Ion: 56 Resp: 28737

Ion Ratio Lower Upper

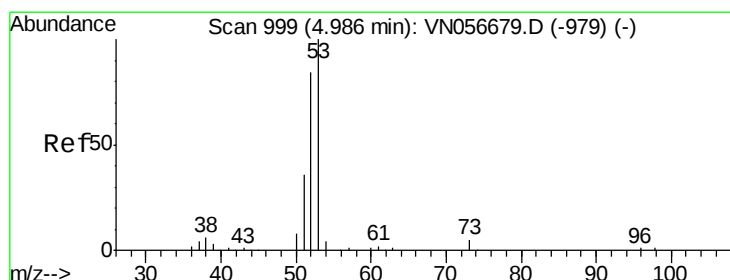
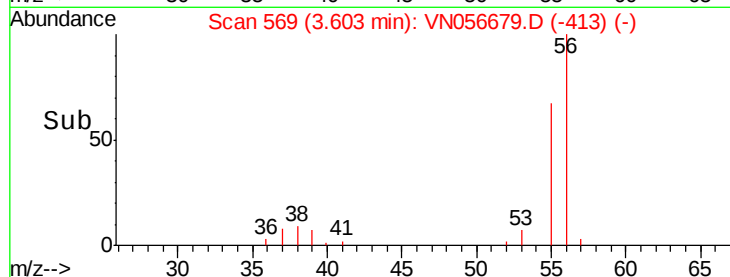
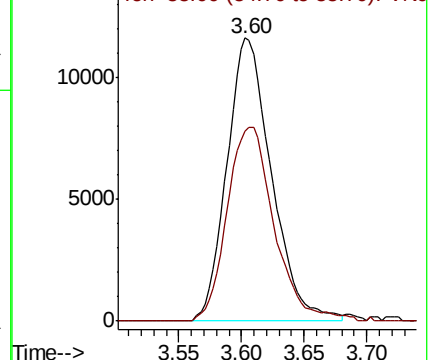
56 100

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: 102.835 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

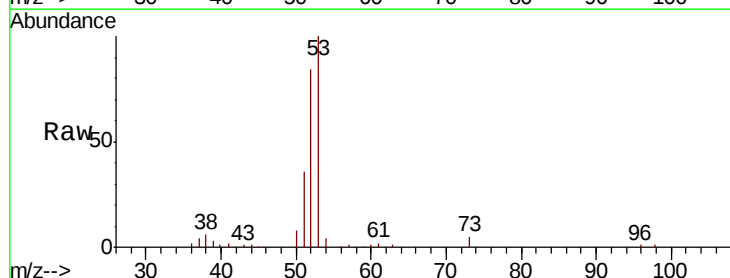
Tgt Ion: 53 Resp: 195327

Ion Ratio Lower Upper

53 100

52 82.5 41.3 123.7

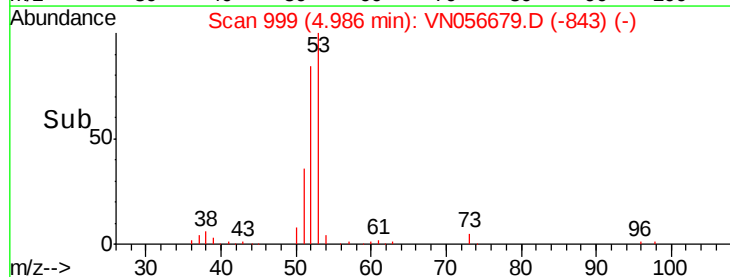
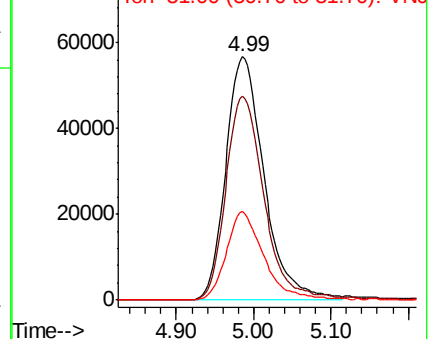
51 35.4 17.7 53.1

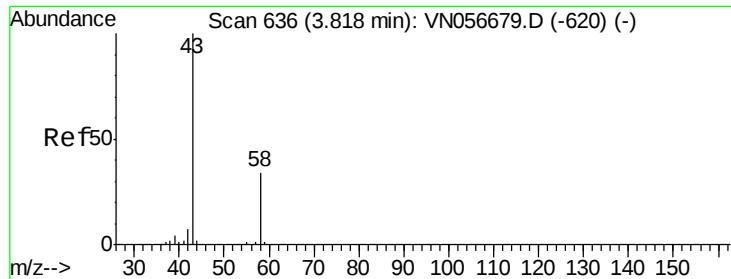


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 140.642 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

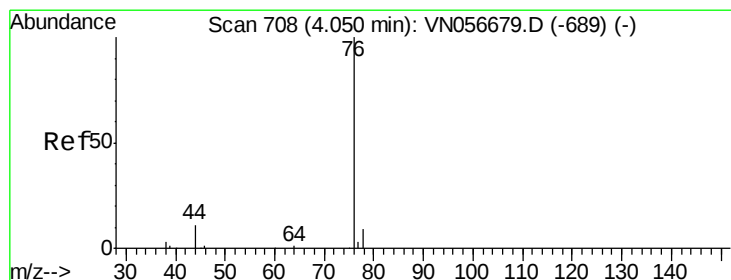
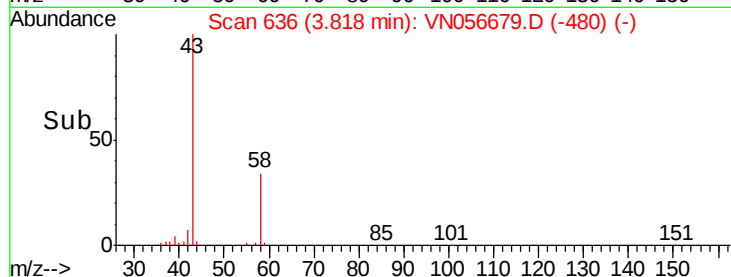
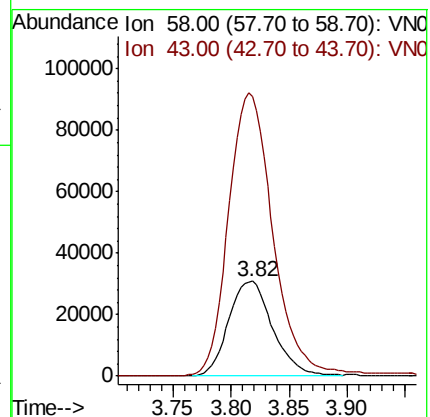
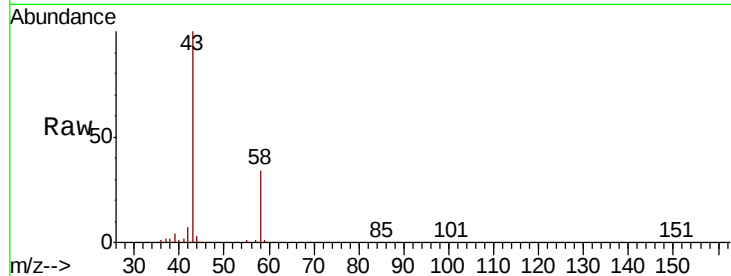
VSTDICCC020

Tot Ion: 58 Resp: 81683

Ion Ratio Lower Upper

58 100

43 292.4 233.9 350.9



#16

Carbon Disulfide

Concen: 21.852 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056679.D

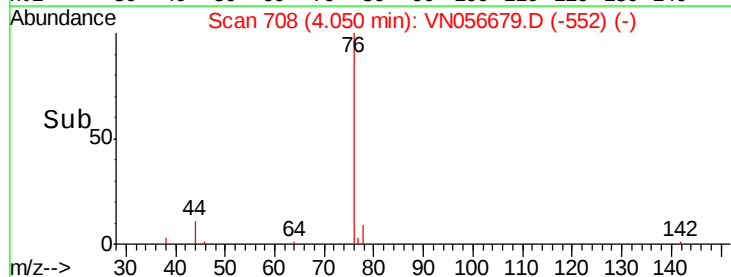
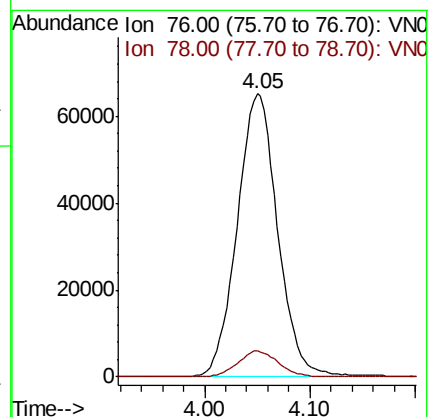
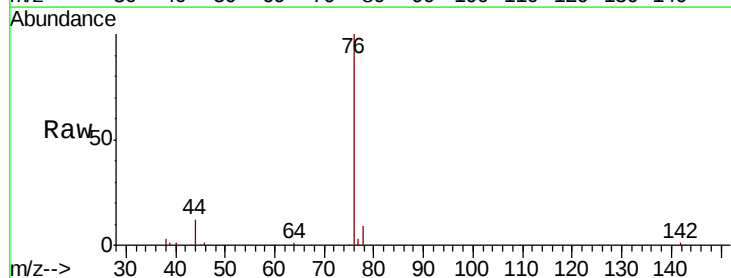
Acq: 12 Jul 2019 10:36

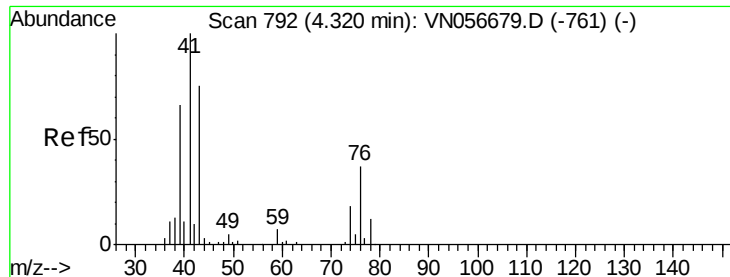
Tgt Ion: 76 Resp: 173313

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

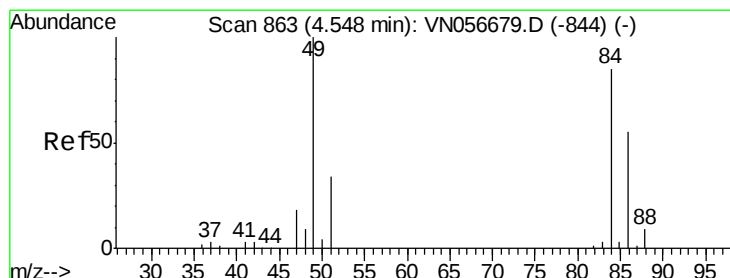
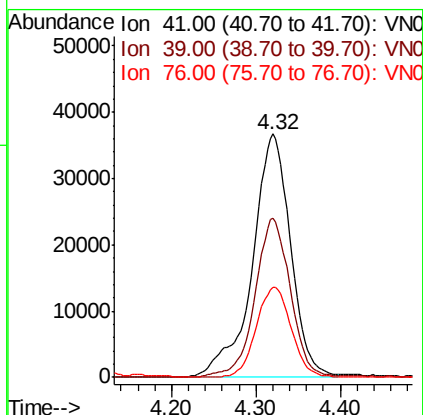
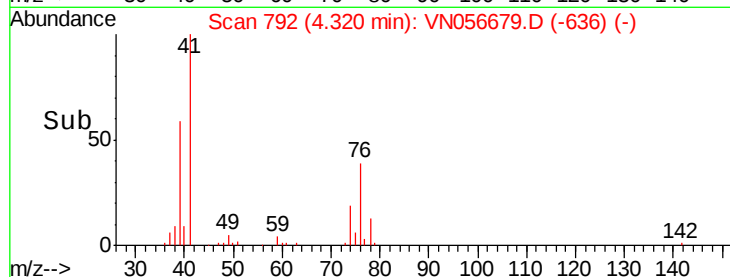
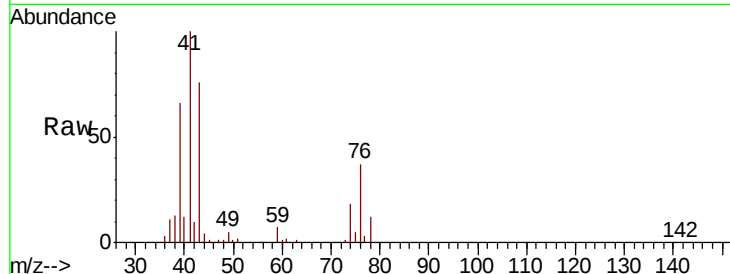




#17
Allvl chloride
Concen: 20.524 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

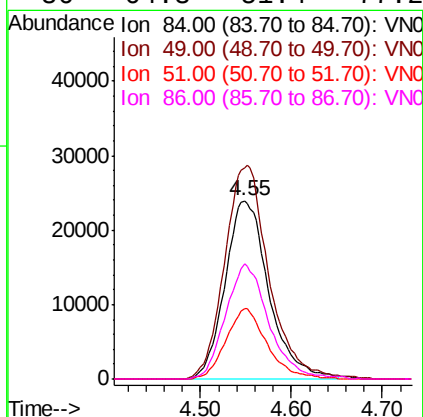
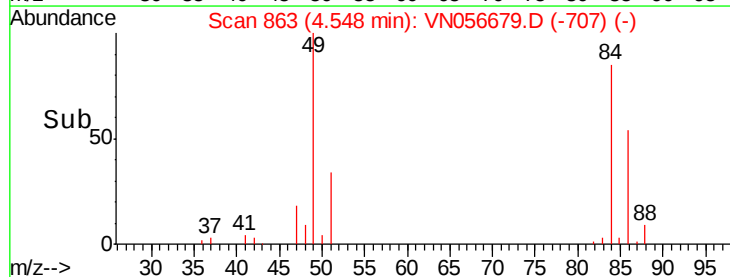
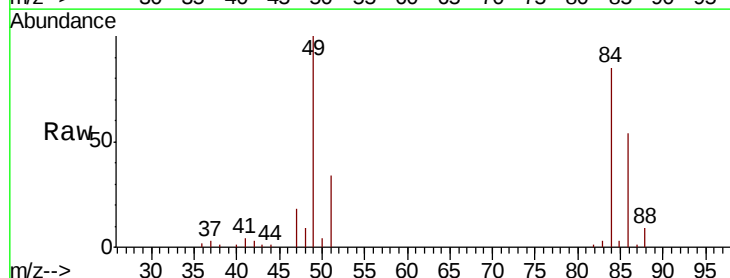
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

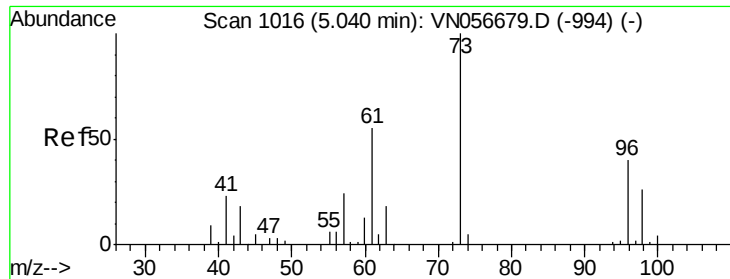
Tot Ion: 41 Resp: 115843
Ion Ratio Lower Upper
41 100
39 65.6 32.8 98.4
76 37.0 18.5 55.5



#18
Methylene Chloride
Concen: 20.983 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 84 Resp: 79954
Ion Ratio Lower Upper
84 100
49 117.4 93.9 140.9
51 39.6 31.7 47.5
86 64.3 51.4 77.2

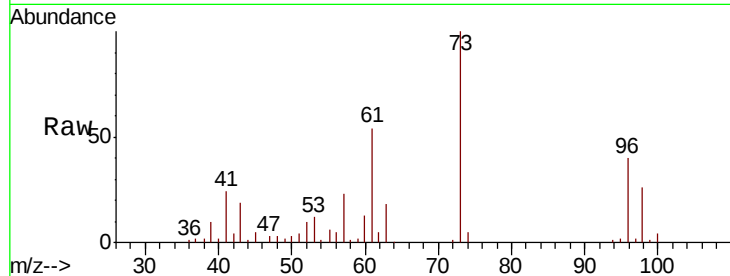




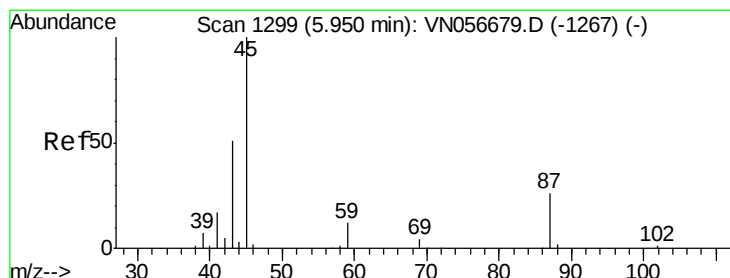
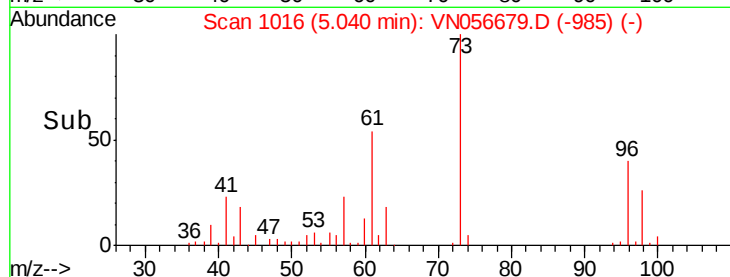
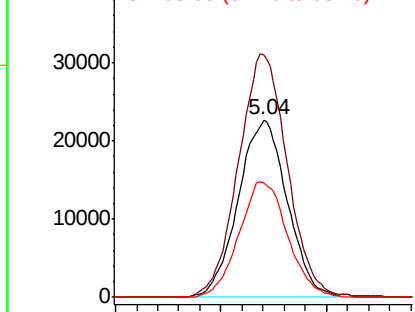
#19
trans-1,2-Dichloroethene
Concen: 20.981 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 96 Resp: 73321
Ion Ratio Lower Upper
96 100
61 137.0 109.6 164.4
98 64.3 51.4 77.2

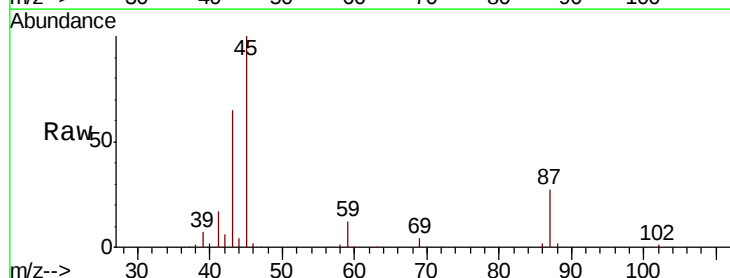


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

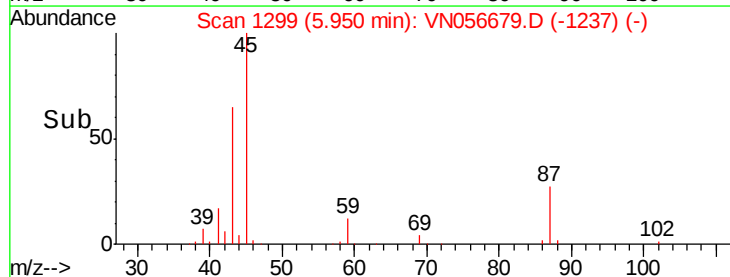
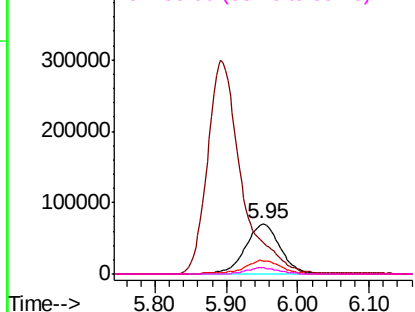


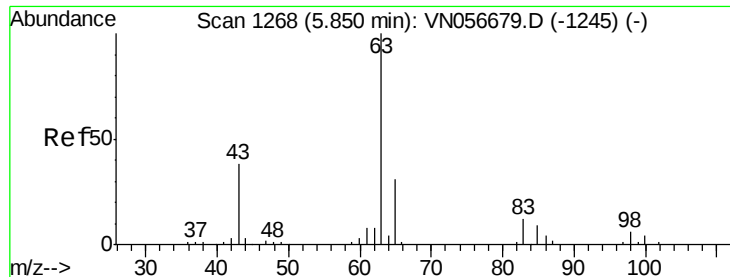
#20
Diisopropyl ether
Concen: 20.554 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 45 Resp: 237756
Ion Ratio Lower Upper
45 100
43 62.9 50.3 75.5
87 26.7 21.4 32.0
59 12.1 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

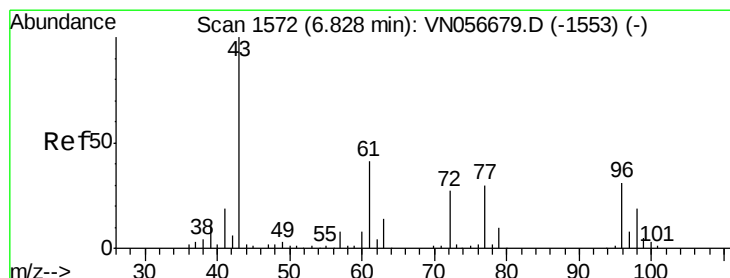
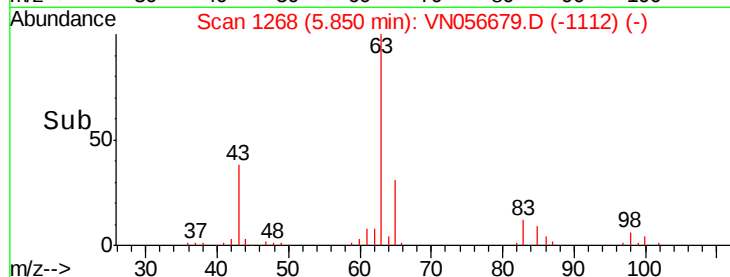
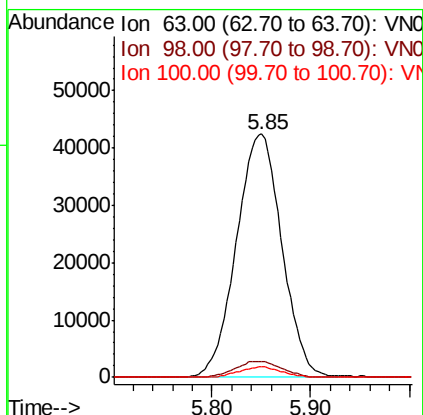
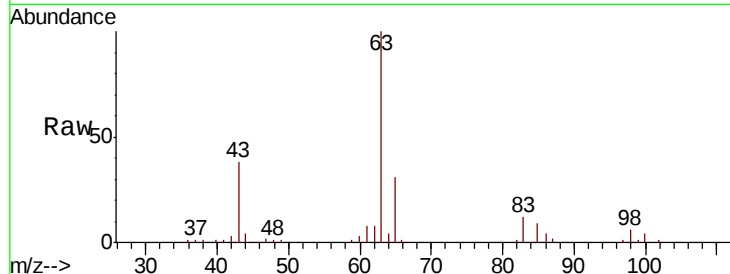




#21
 1,1-Dichloroethane
 Concen: 20.726 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

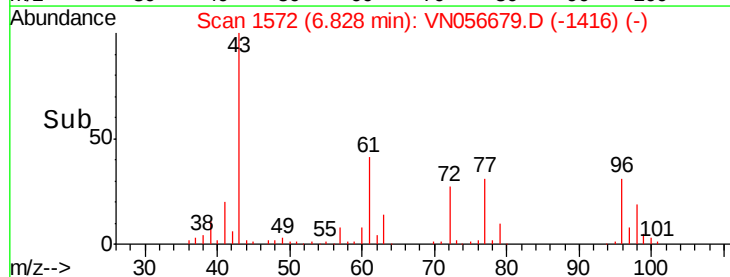
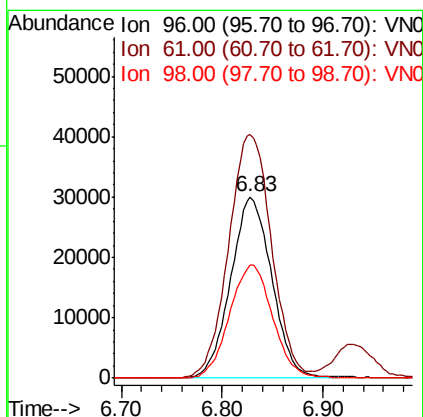
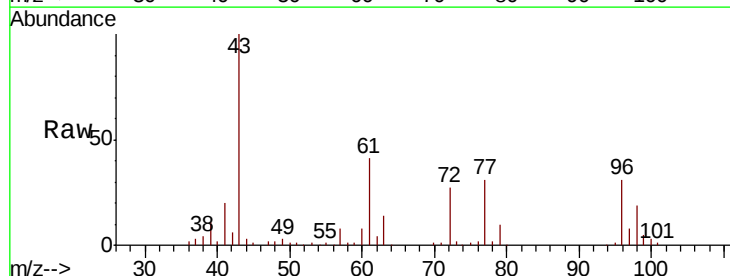
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

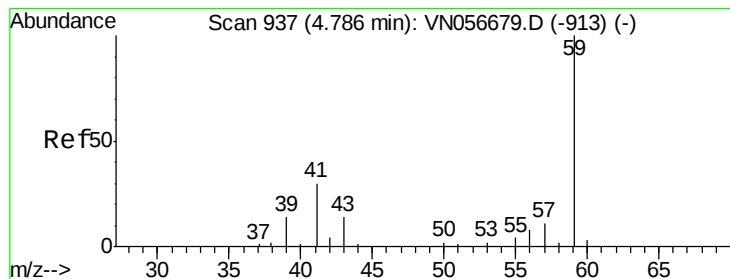
Tot Ion: 63 Resp: 135514
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.2 2.1 6.3



#22
 cis-1,2-Dichloroethene
 Concen: 20.746 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

Tgt Ion: 96 Resp: 85139
 Ion Ratio Lower Upper
 96 100
 61 140.1 112.1 168.1
 98 65.2 52.2 78.2





#23

tert-Butyl Alcohol

Concen: 95.851 ug/l

RT: 4.79 min Scan# 937

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

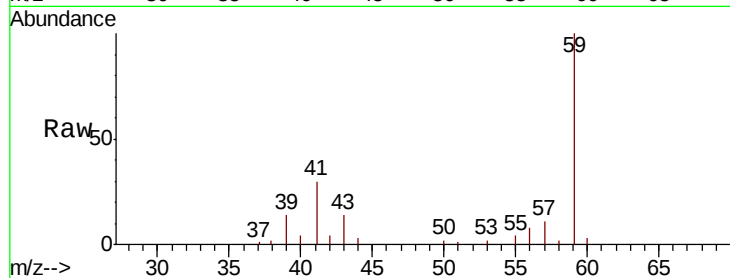
VSTDICCC020

Tot Ion: 59 Resp: 68267

Ion Ratio Lower Upper

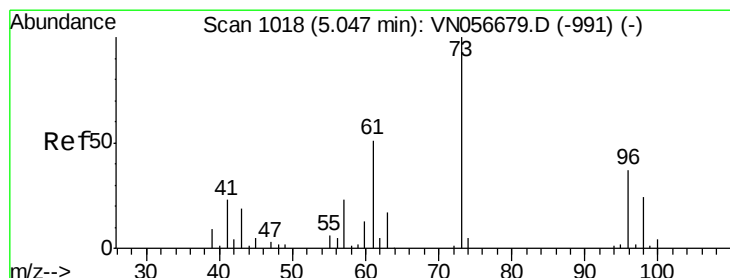
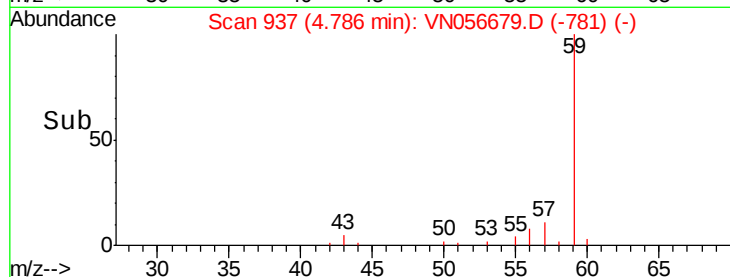
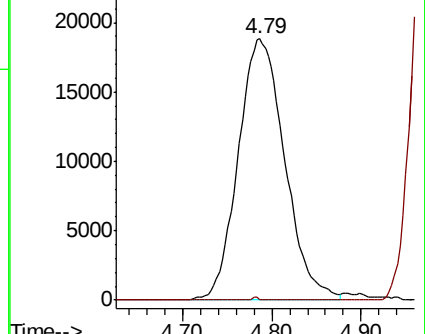
59 100

52 0.1 0.1 0.1



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 20.212 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN056679.D

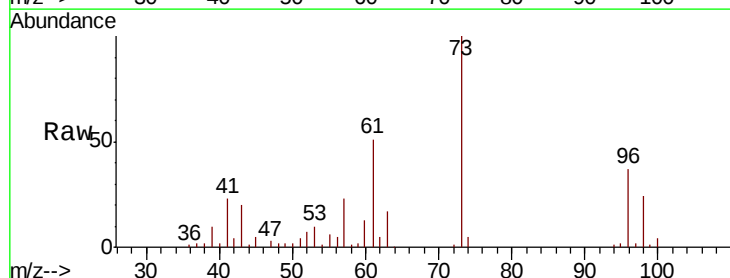
Acq: 12 Jul 2019 10:36

Tgt Ion: 73 Resp: 214074

Ion Ratio Lower Upper

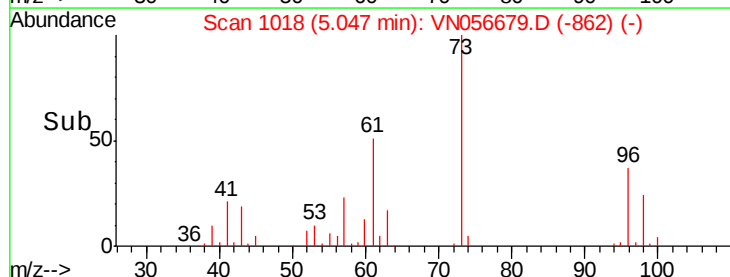
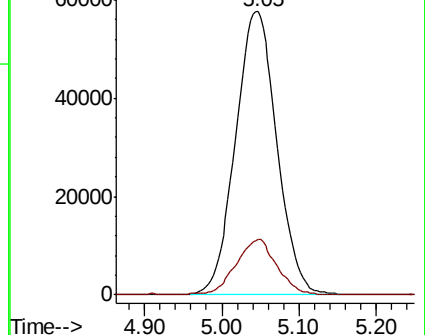
73 100

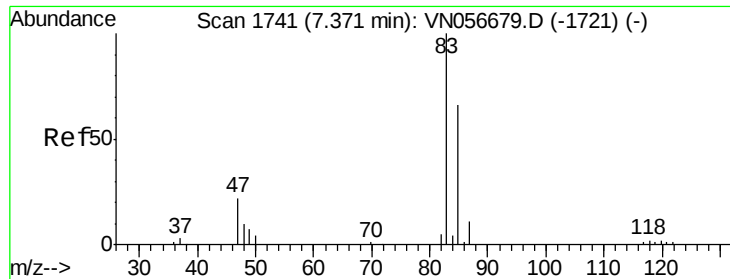
43 18.9 15.1 22.7



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

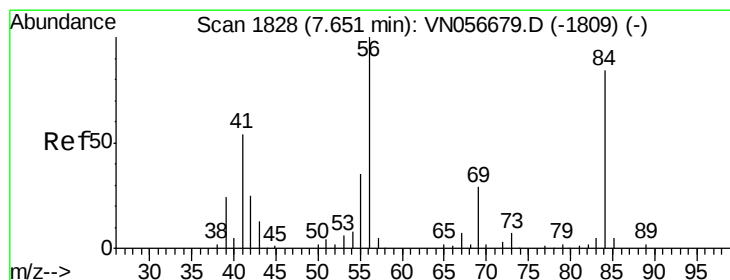
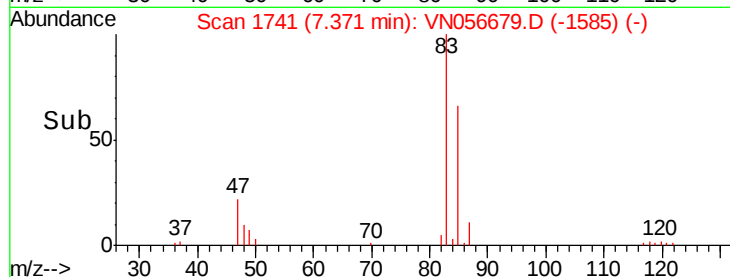
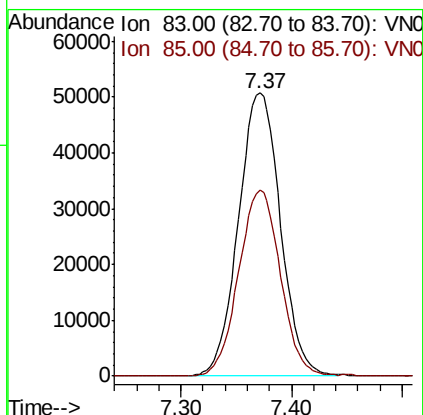
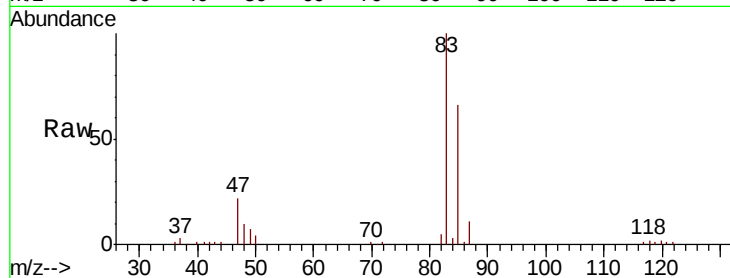




#25
Chloroform
Concen: 20.886 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

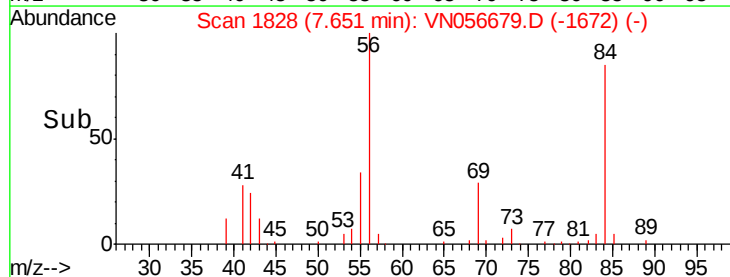
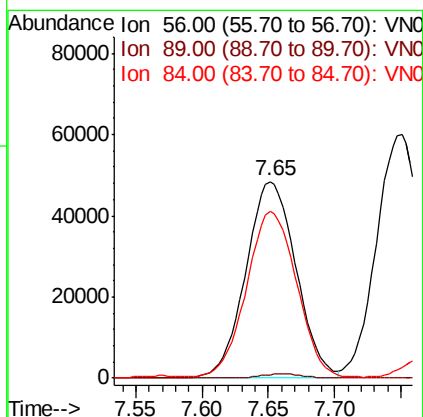
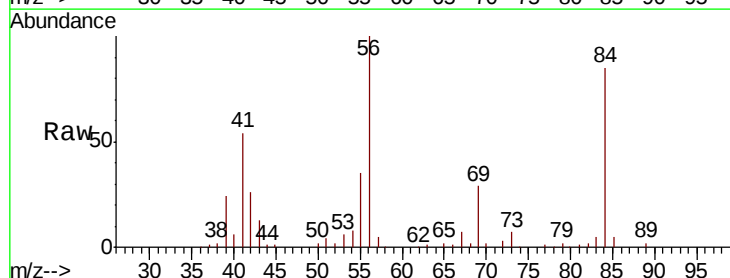
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

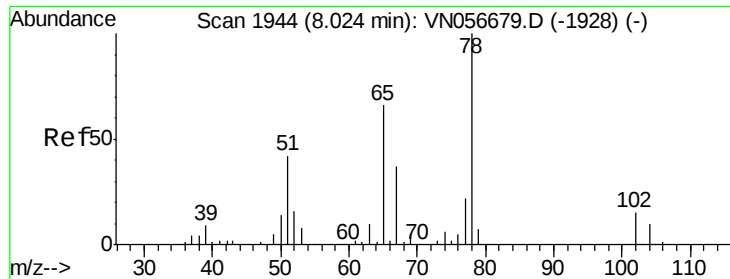
Tot Ion: 83 Resp: 134105
Ion Ratio Lower Upper
83 100
85 65.8 52.6 79.0



#26
Cyclohexane
Concen: 21.084 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 56 Resp: 127931
Ion Ratio Lower Upper
56 100
89 1.8 1.4 2.2
84 85.3 68.2 102.4

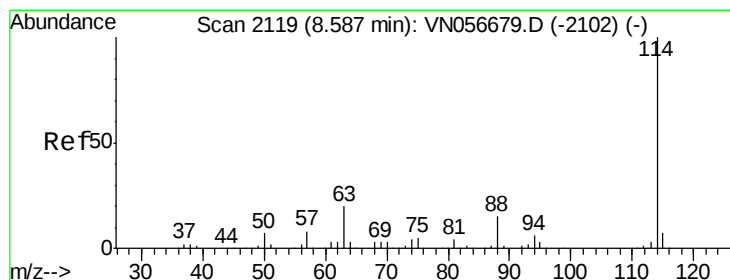
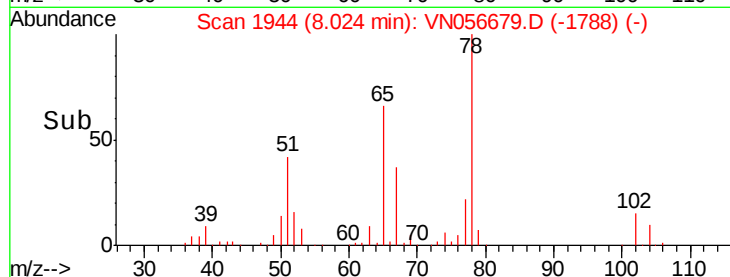
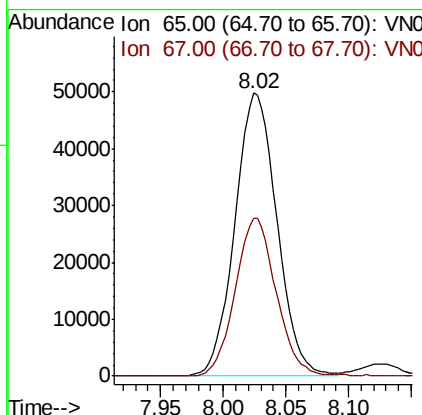
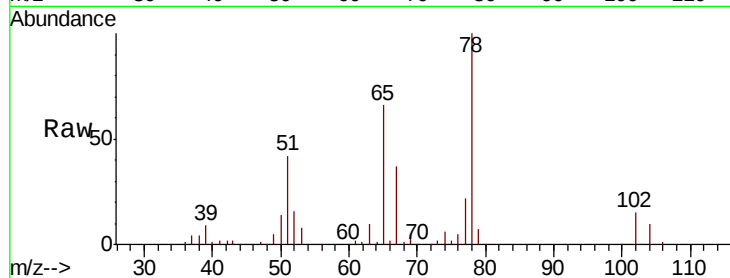




#27
 1,2-Dichloroethane-d4
 Concen: 29.349 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

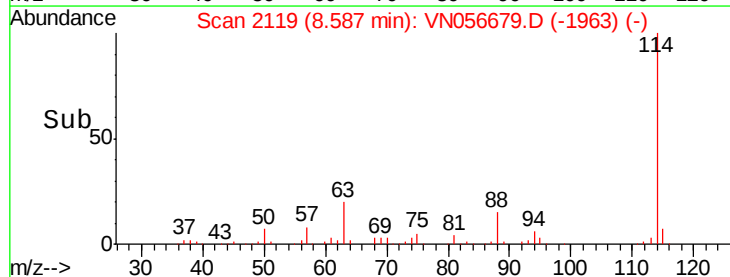
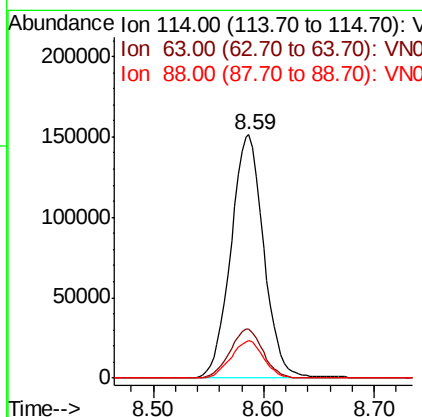
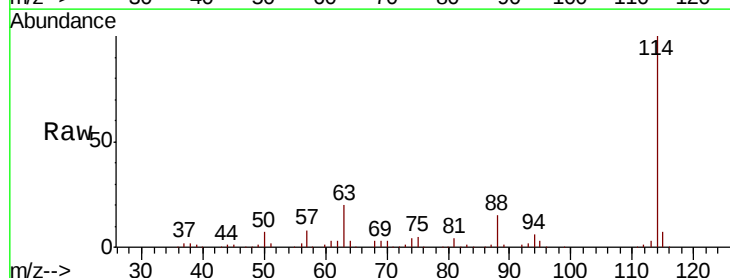
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

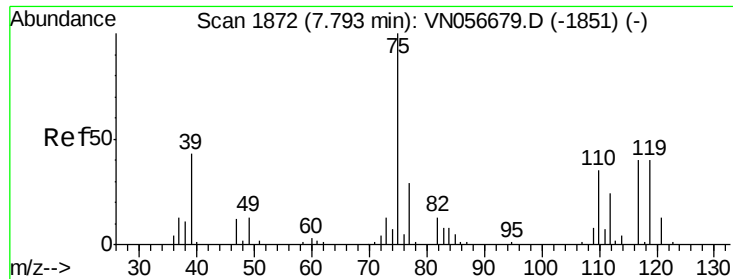
Tot Ion: 65 Resp: 116206
 Ion Ratio Lower Upper
 65 100
 67 54.2 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

Tgt Ion: 114 Resp: 312438
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.2 24.2
 88 15.4 12.3 18.5

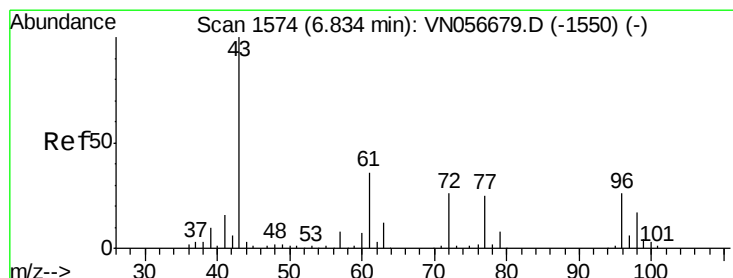
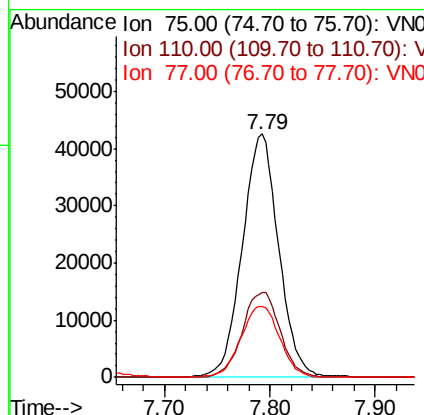
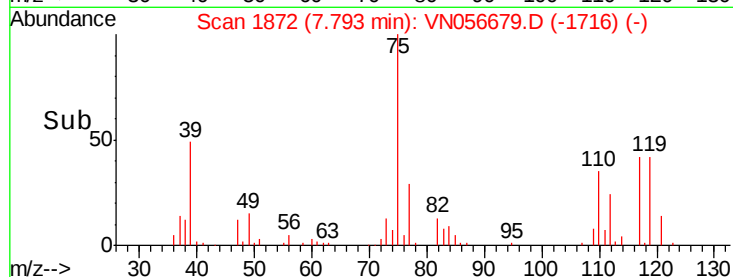
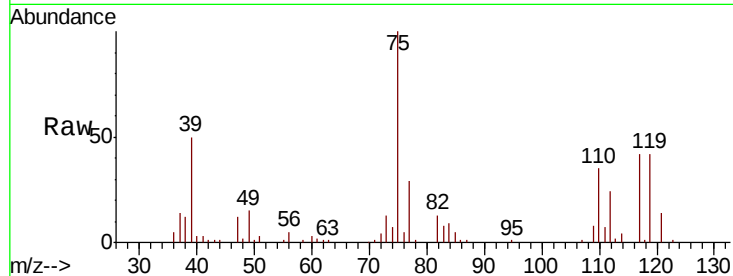




#29
 1,1-Dichloropropene
 Concen: 21.543 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

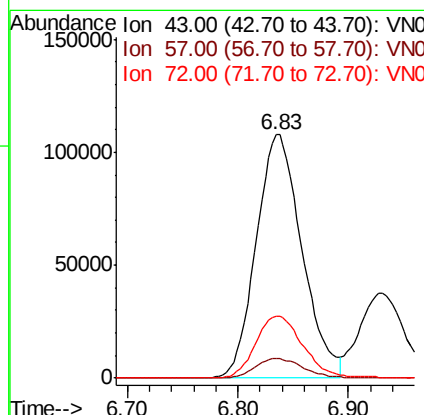
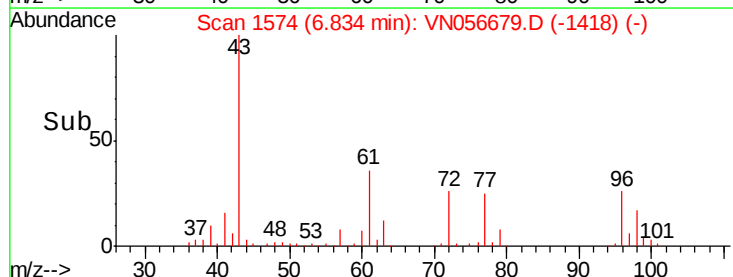
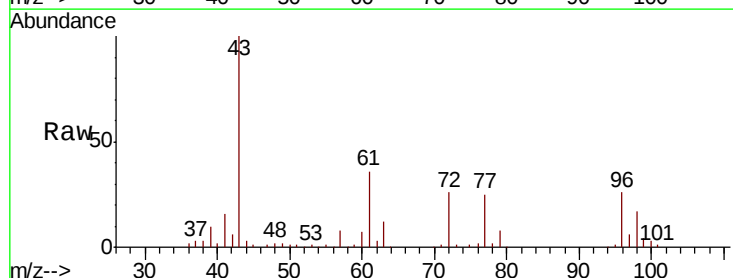
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

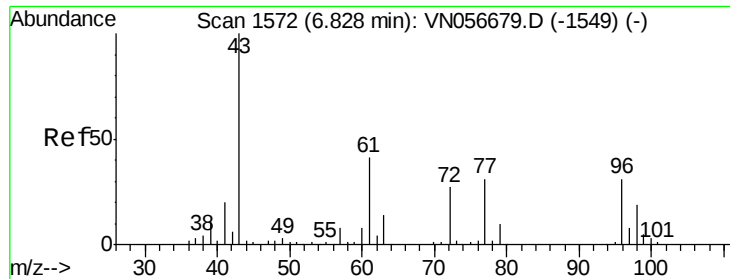
Tot Ion: 75 Resp: 102263
 Ion Ratio Lower Upper
 75 100
 110 36.2 0.0 72.4
 77 31.1 0.0 62.2



#30
 2-Butanone
 Concen: 115.908 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

Tgt Ion: 43 Resp: 309710
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.6 10.0
 72 26.6 21.3 31.9





#31

2,2-Dichloropropane

Concen: 21.311 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

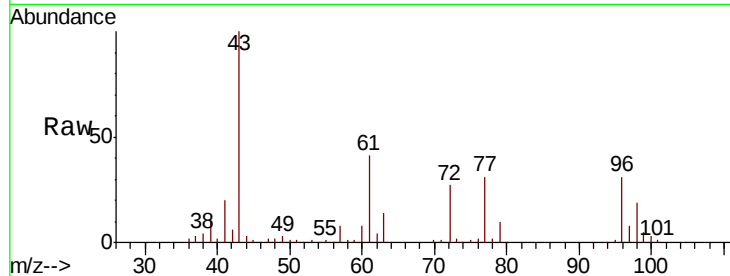
VSTDICCC020

Tot Ion: 77 Resp: 97314

Ion Ratio Lower Upper

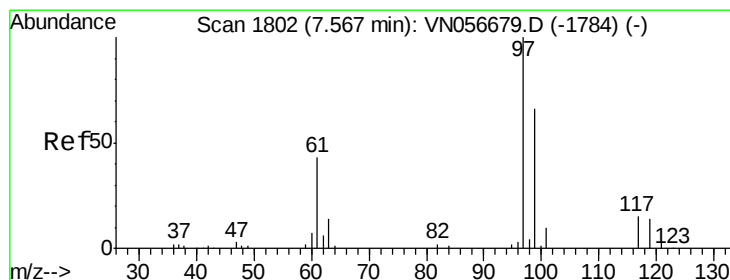
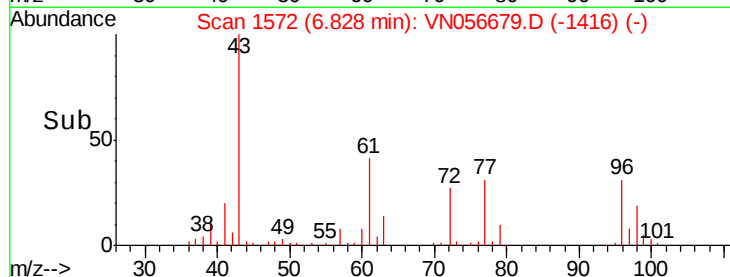
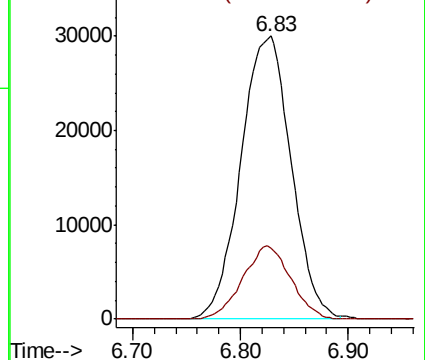
77 100

97 24.6 19.7 29.5



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.345 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

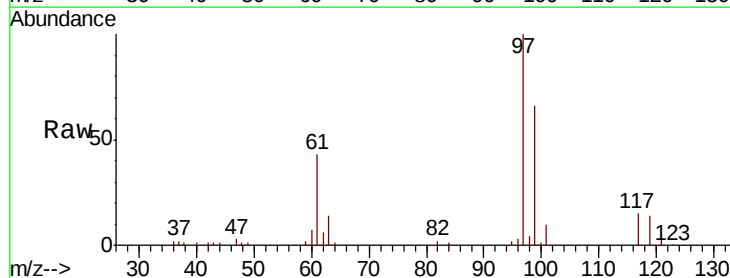
Tgt Ion: 97 Resp: 107653

Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

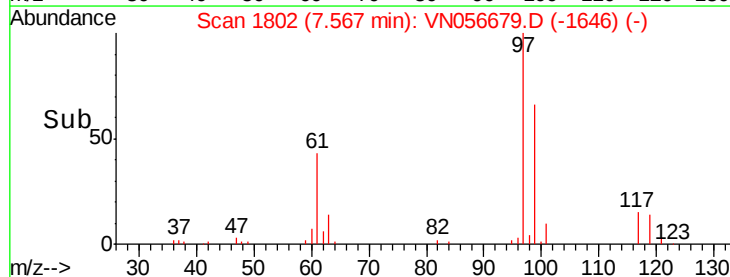
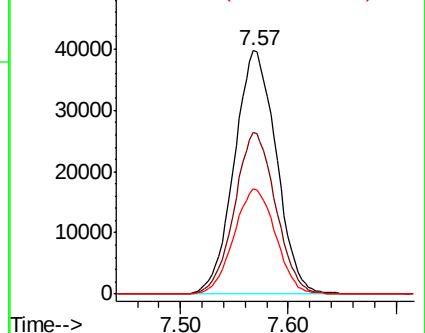
61 43.0 34.4 51.6

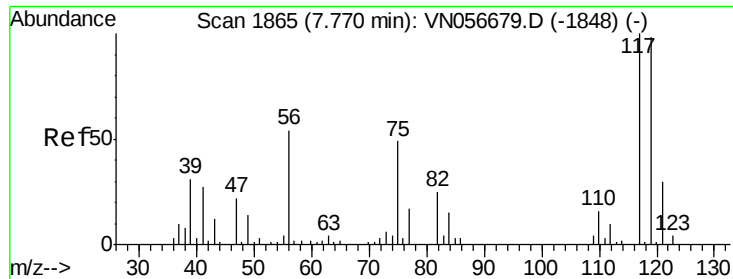


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 21.467 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

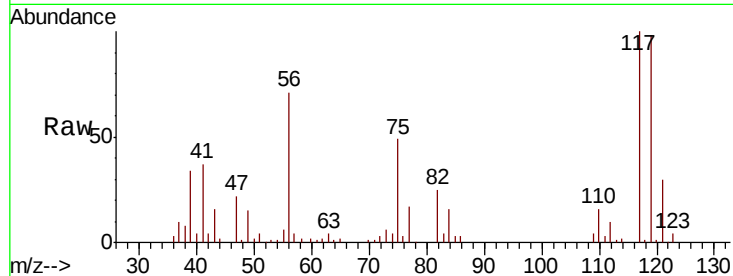
Tot Ion:117 Resp: 92433

Ion Ratio Lower Upper

117 100

119 98.4 78.7 118.1

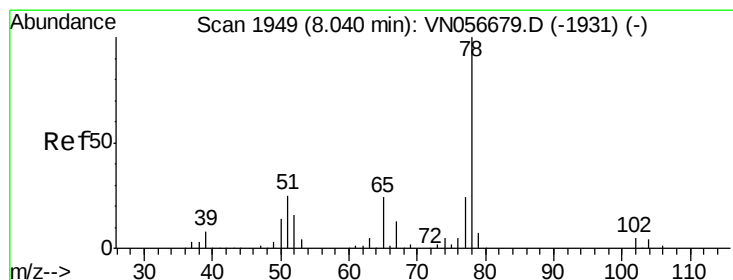
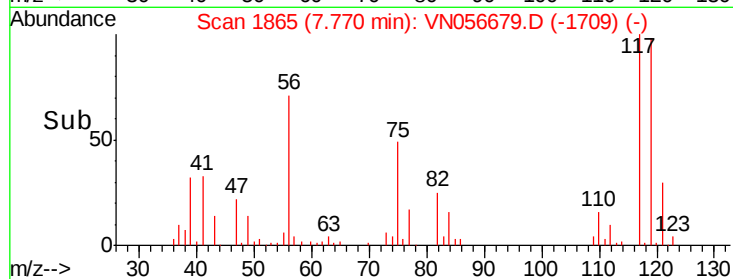
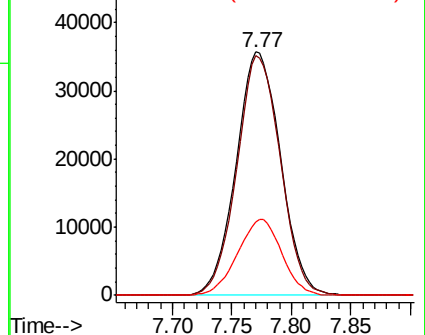
121 30.0 24.0 36.0



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: 21.320 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

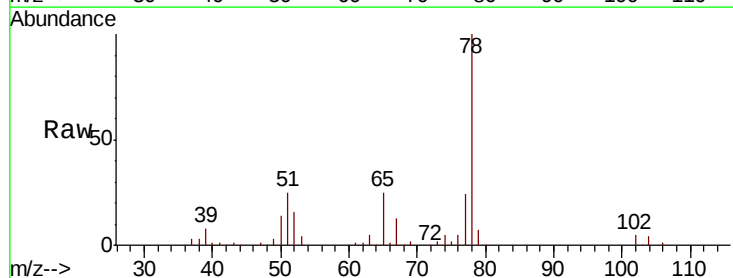
Tgt Ion: 78 Resp: 315108

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4

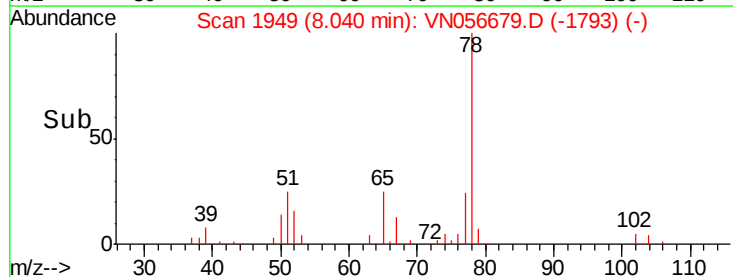
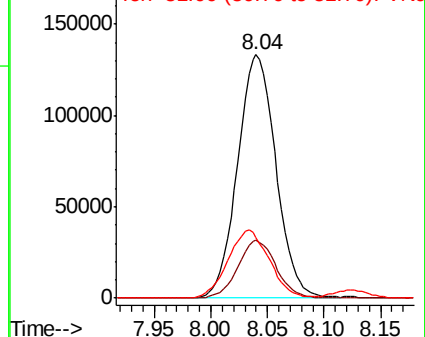
51 24.6 19.7 29.5

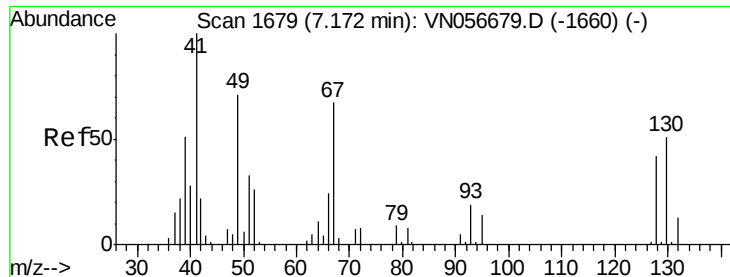


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

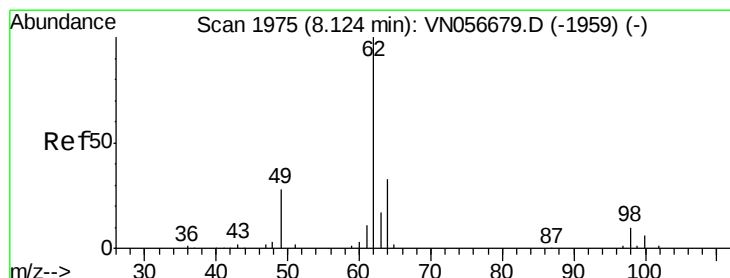
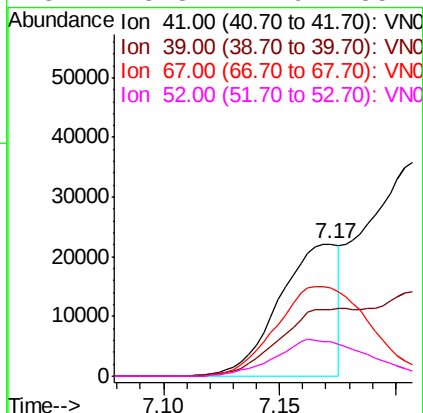
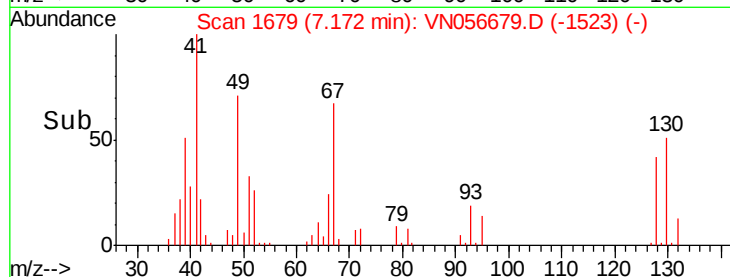
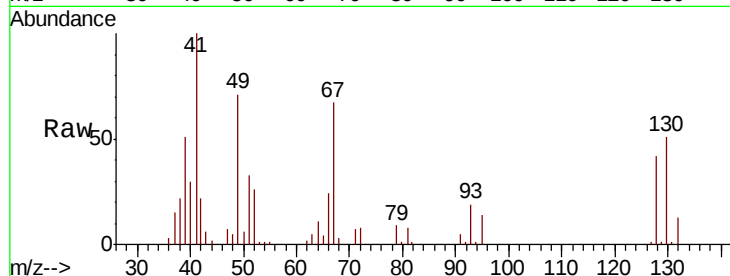




#35
Methacrylonitrile
Concen: 17.912 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

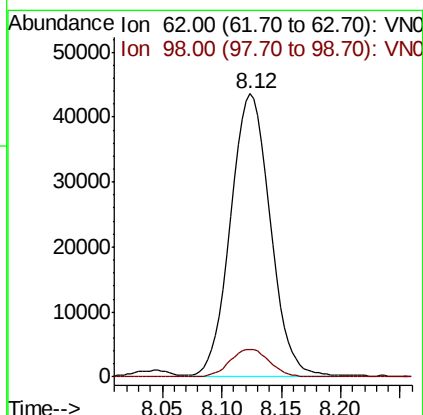
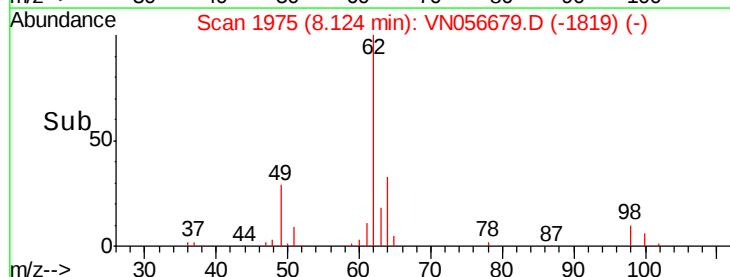
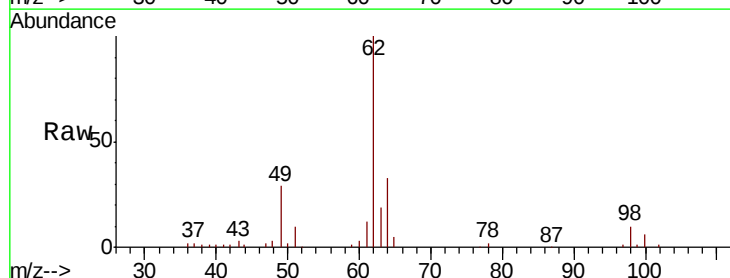
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

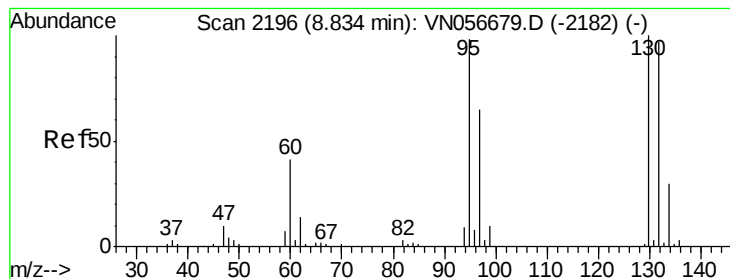
Tot Ion: 41 Resp: 39421
Ion Ratio Lower Upper
41 100
39 50.8 25.4 76.2
67 67.2 33.6 100.8
52 25.8 12.9 38.7



#36
1,2-Dichloroethane
Concen: 21.128 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 62 Resp: 101276
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5





#37

Trichloroethene

Concen: 21.868 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

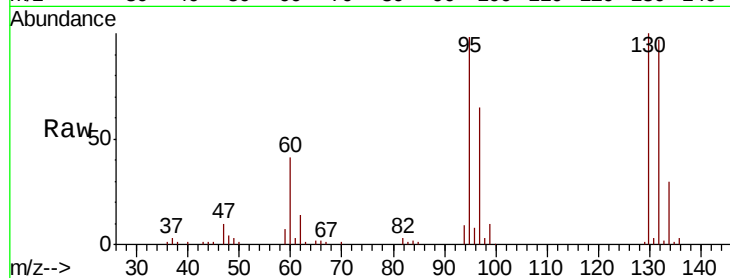
VSTDICCC020

Tot Ion:130 Resp: 85152

Ion Ratio Lower Upper

130 100

95 98.0 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

40000

30000

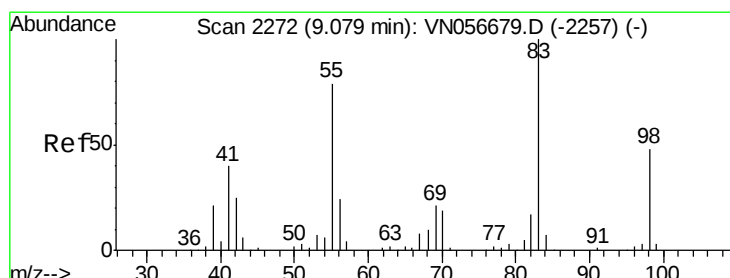
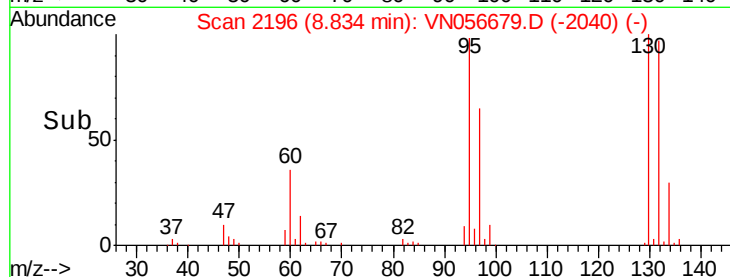
20000

10000

0

Time-->

8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 21.644 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

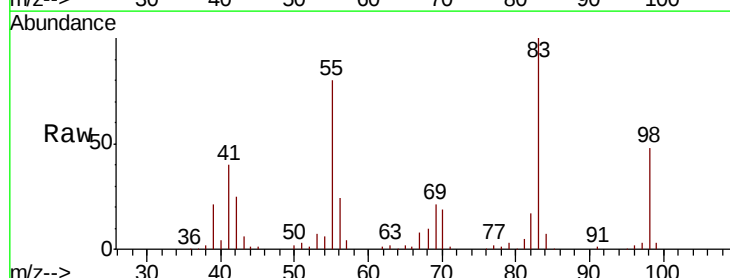
Tgt Ion: 83 Resp: 129048

Ion Ratio Lower Upper

83 100

55 76.8 38.4 115.2

98 46.6 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

80000

60000

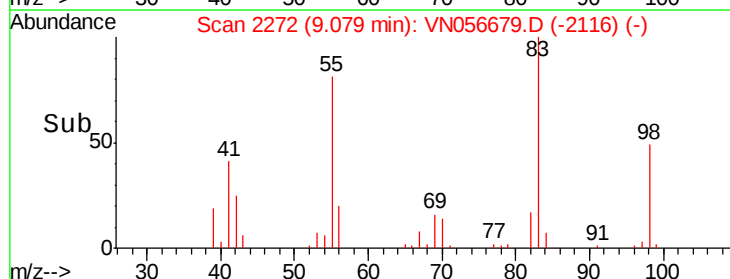
40000

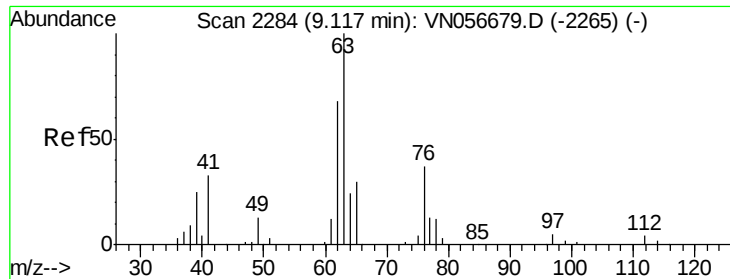
20000

0

Time-->

9.00 9.05 9.10 9.15

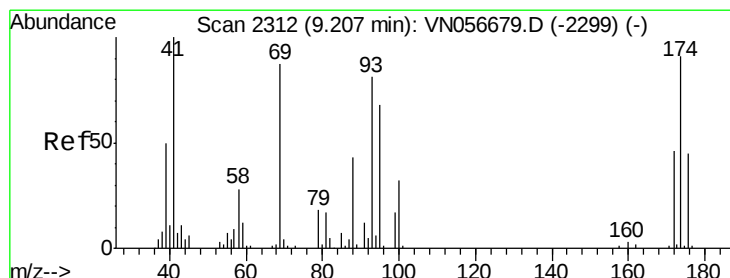
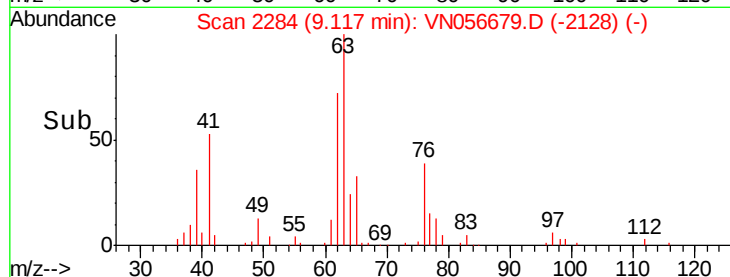
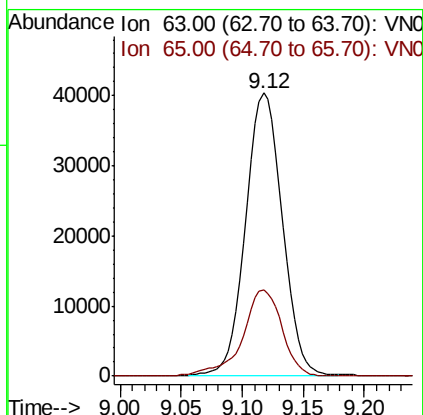
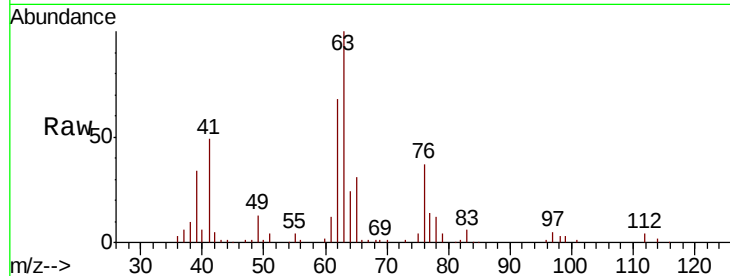




#39
 1,2-Dichloropropane
 Concen: 21.245 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

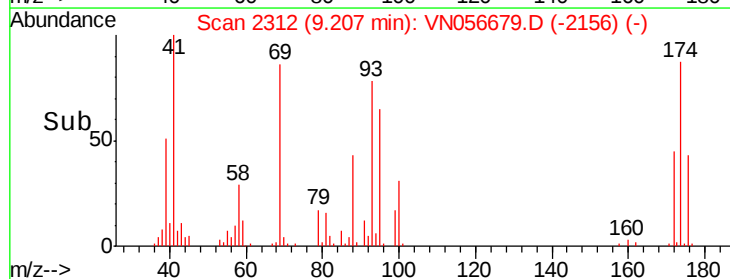
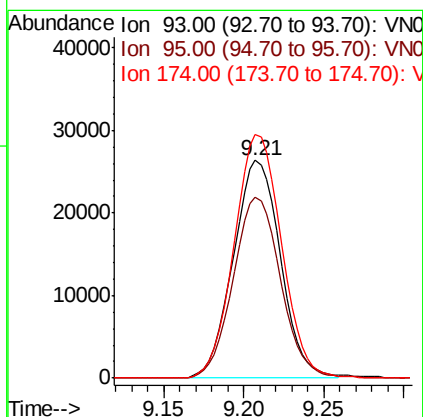
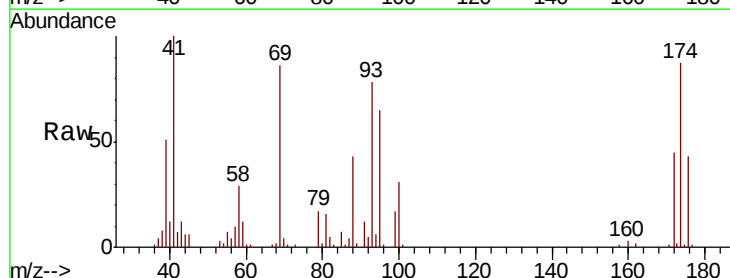
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

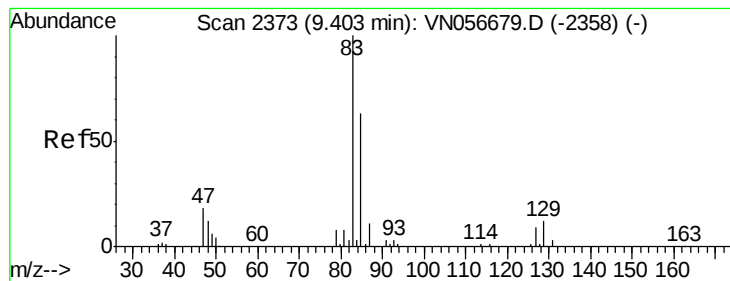
Tot Ion: 63 Resp: 84293
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 36.8



#40
 Dibromomethane
 Concen: 21.547 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

Tgt Ion: 93 Resp: 53120
 Ion Ratio Lower Upper
 93 100
 95 83.5 0.0 167.0
 174 112.1 0.0 224.2





#41

Bromodichloromethane

Concen: 21.250 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

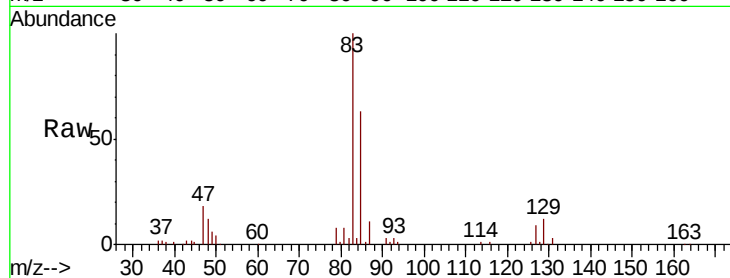
Tot Ion: 83 Resp: 97423

Ion Ratio Lower Upper

83 100

85 62.6 50.1 75.1

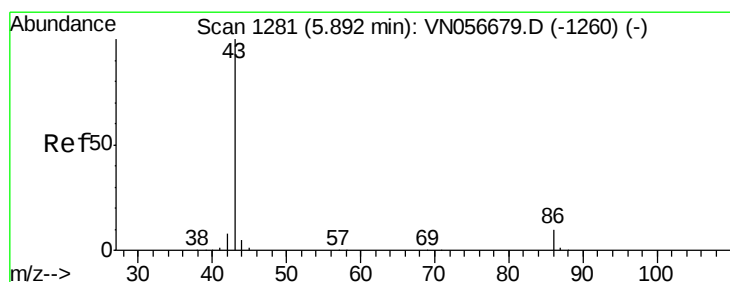
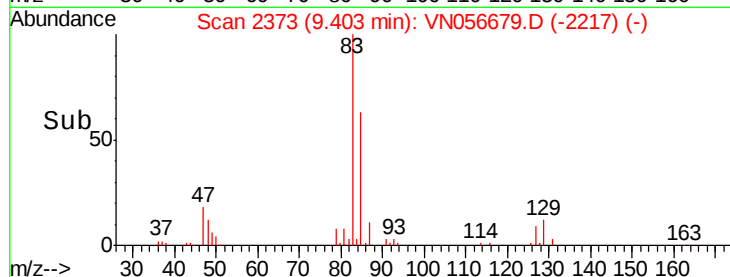
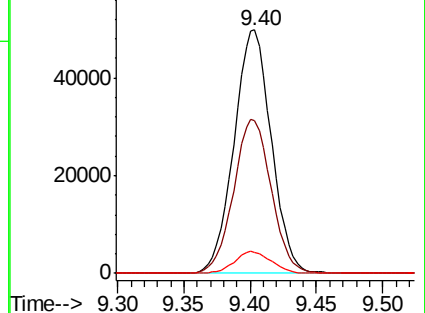
127 8.7 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 105.493 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN056679.D

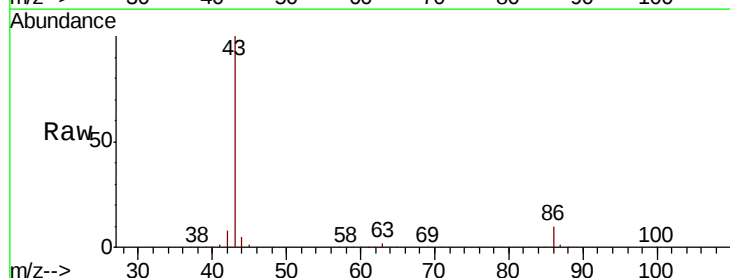
Acq: 12 Jul 2019 10:36

Tgt Ion: 43 Resp: 982980

Ion Ratio Lower Upper

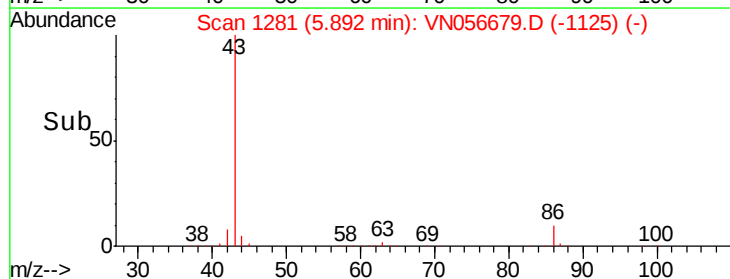
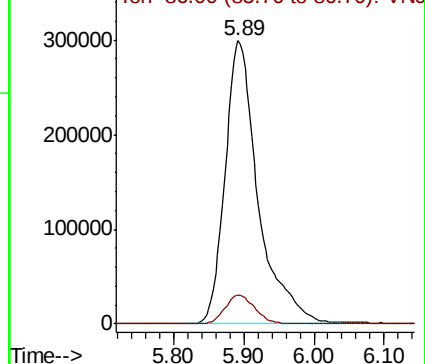
43 100

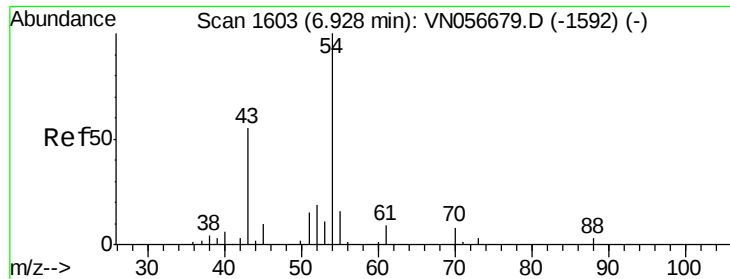
86 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

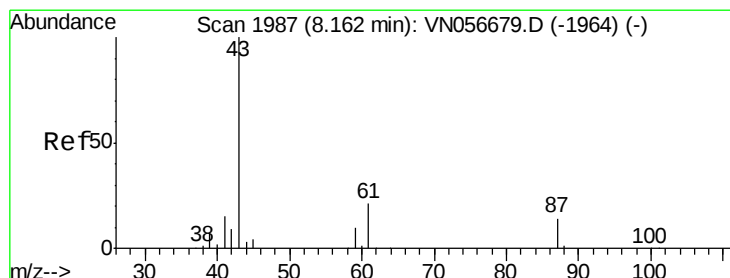
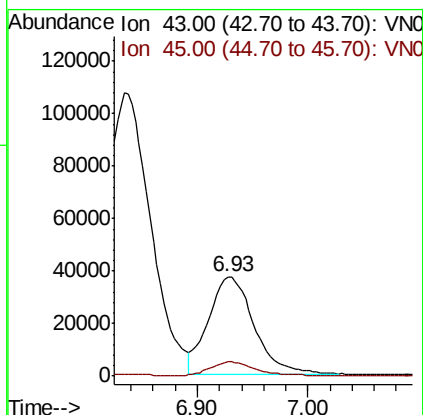
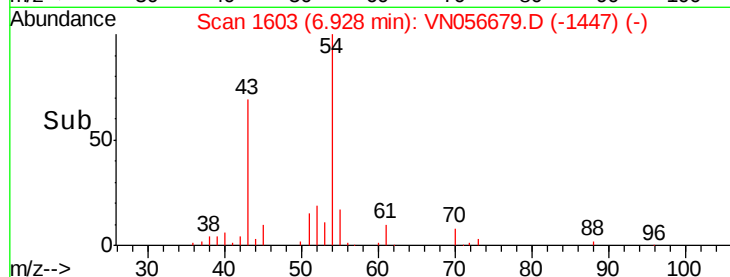
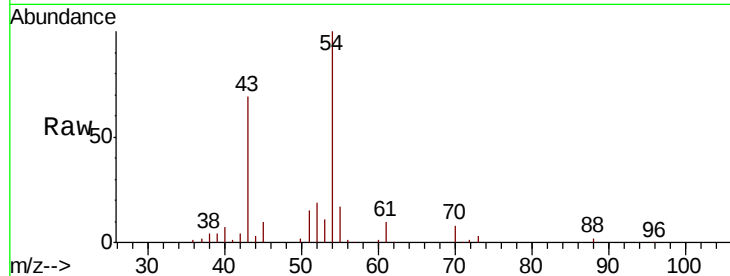




#43
Ethyl Acetate
Concen: 21.165 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

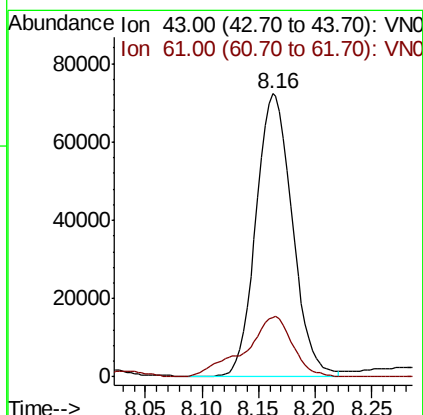
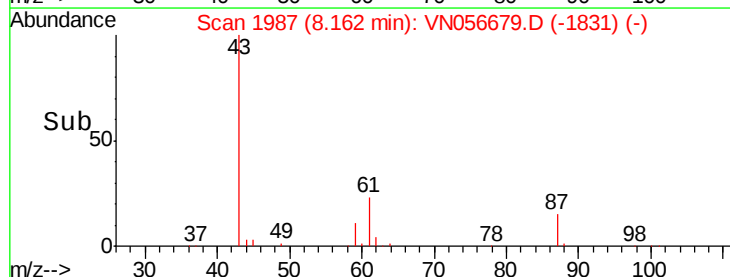
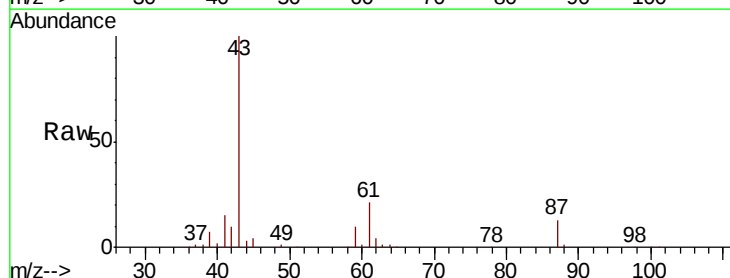
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

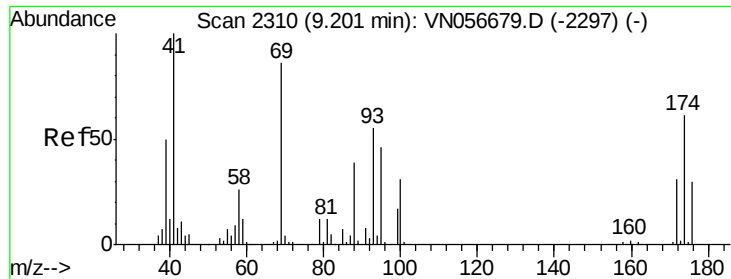
Tot Ion: 43 Resp: 106903
Ion Ratio Lower Upper
43 100
45 14.0 11.2 16.8



#44
Isopropyl Acetate
Concen: 20.423 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 43 Resp: 160421
Ion Ratio Lower Upper
43 100
61 28.2 22.6 33.8

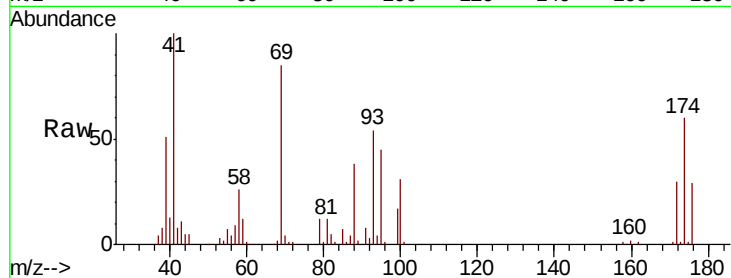




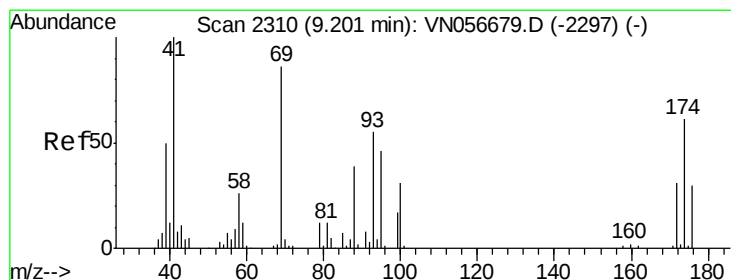
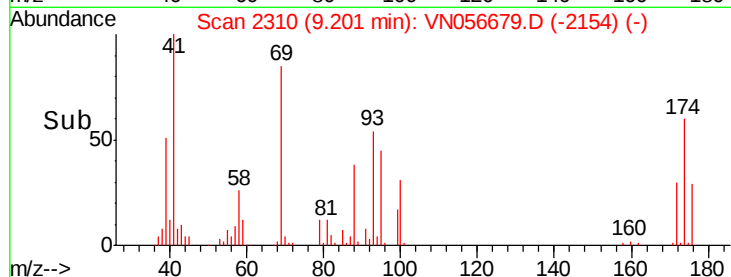
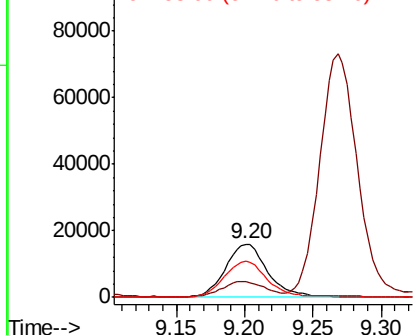
#45
 1,4-Dioxane
 Concen: 443.813 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 88 Resp: 34626
 Ion Ratio Lower Upper
 88 100
 43 28.8 23.0 34.6
 58 68.2 54.6 81.8

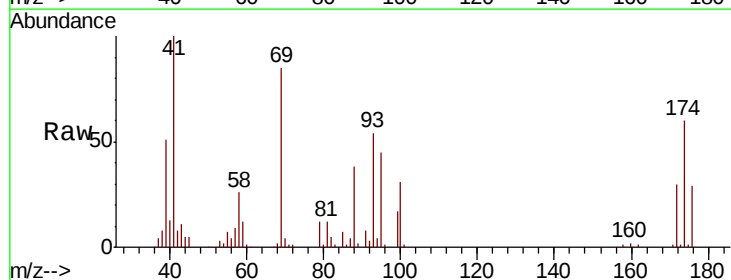


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

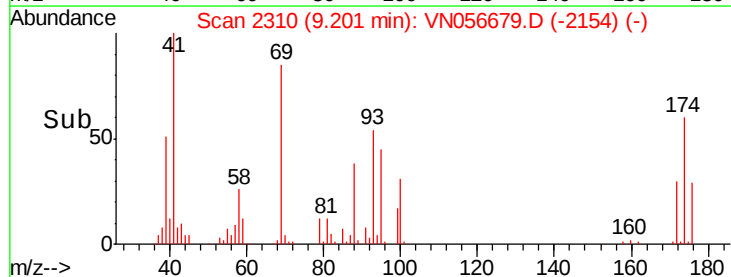
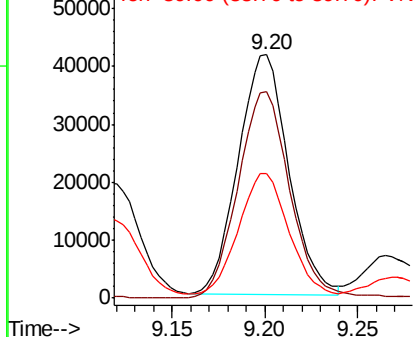


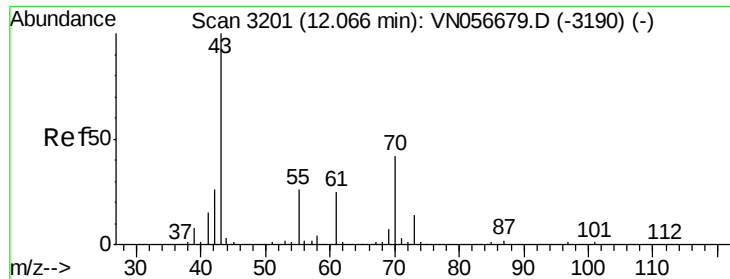
#46
 Methyl methacrylate
 Concen: 20.255 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

Tgt Ion: 41 Resp: 78299
 Ion Ratio Lower Upper
 41 100
 69 86.0 43.0 129.0
 39 50.3 25.1 75.4



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

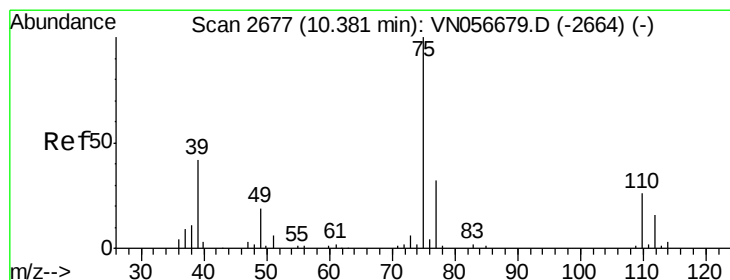
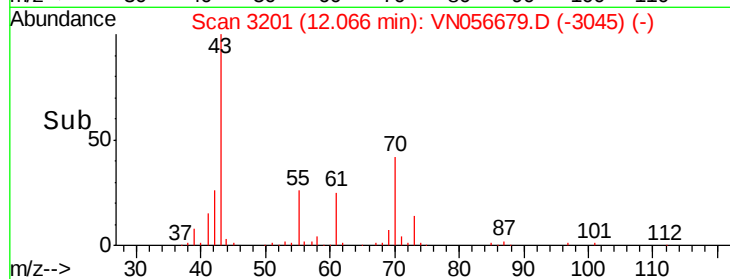
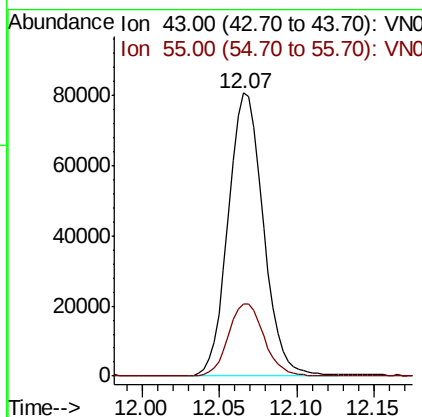
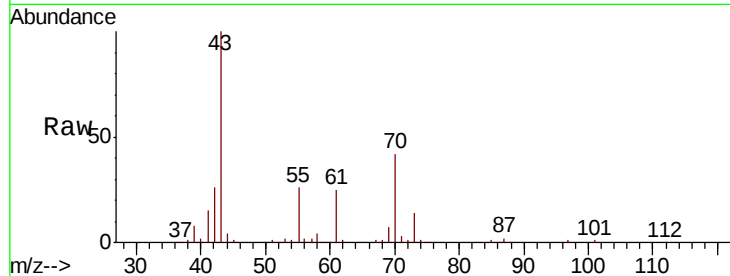




#47
n-amvl Acetate
Concen: 19.617 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

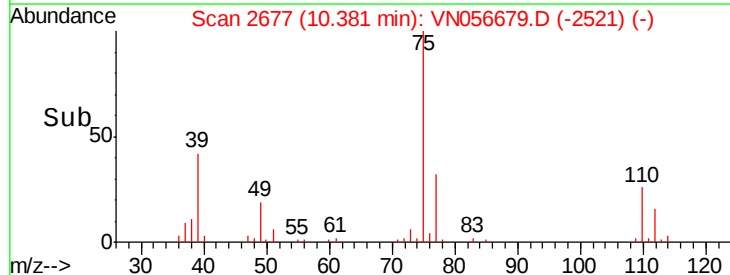
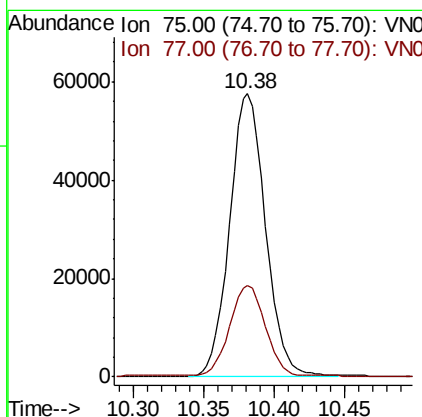
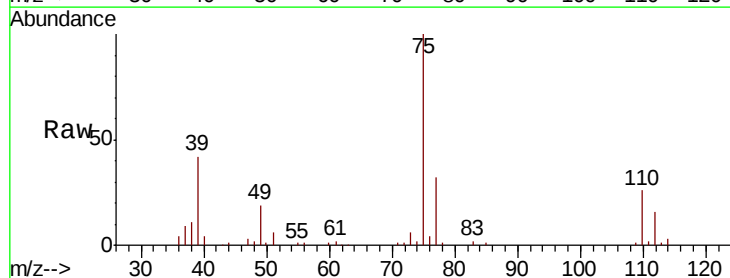
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

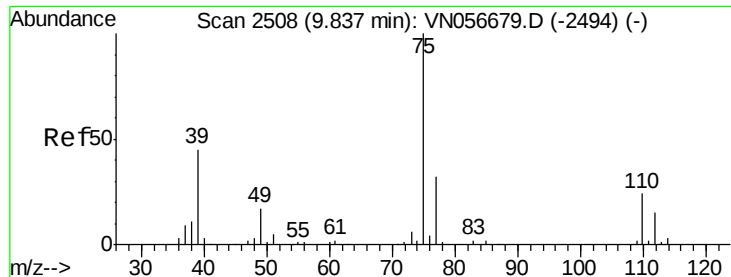
Tot Ion: 43 Resp: 127664
Ion Ratio Lower Upper
43 100
55 25.9 20.7 31.1



#48
t-1,3-Dichloropropene
Concen: 20.866 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 75 Resp: 102739
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5



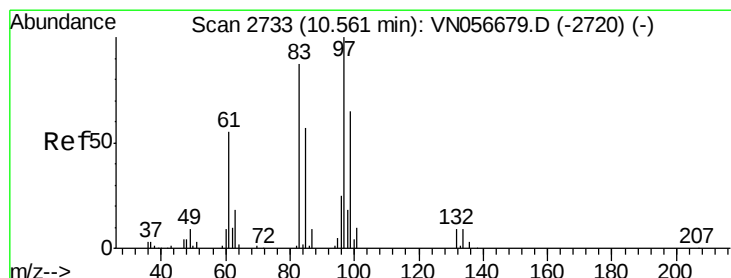
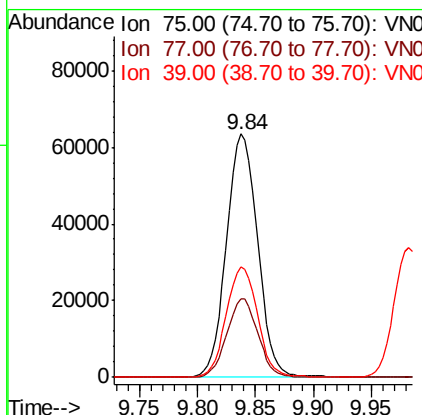
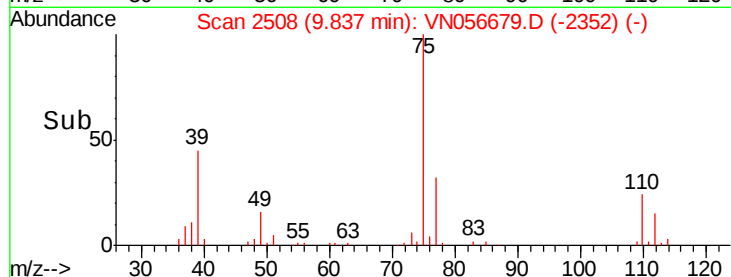
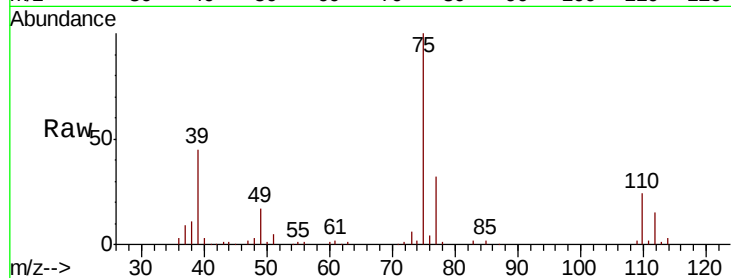


#49

cis-1,3-Dichloropropene
Concen: 20.922 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

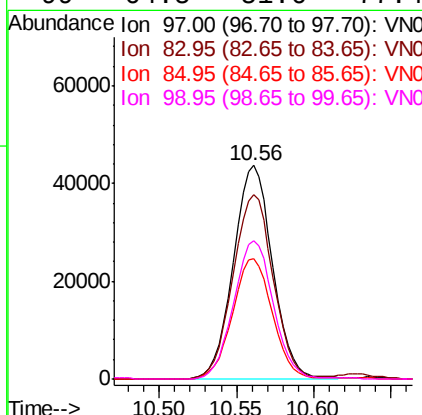
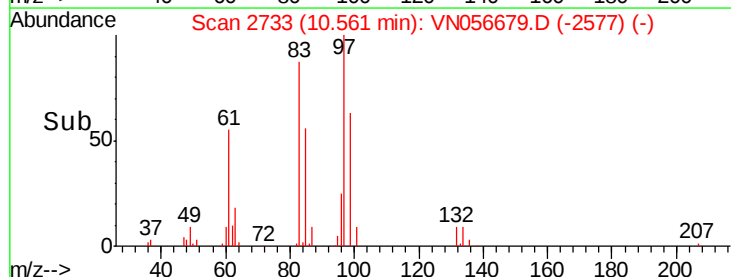
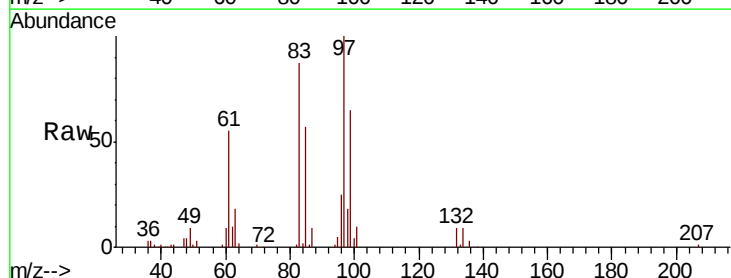
Tot Ion: 75 Resp: 118429
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
39 45.3 36.2 54.4

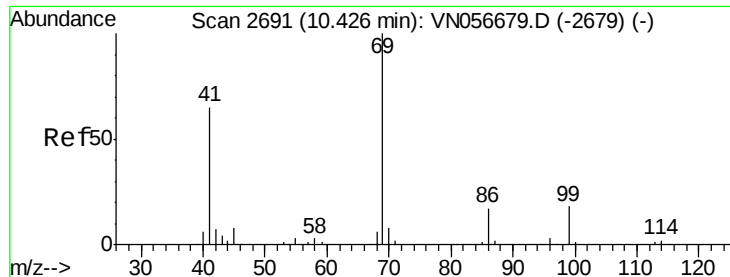


#50

1,1,2-Trichloroethane
Concen: 21.244 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 97 Resp: 76867
Ion Ratio Lower Upper
97 100
83 86.5 69.2 103.8
85 56.6 45.3 67.9
99 64.5 51.6 77.4

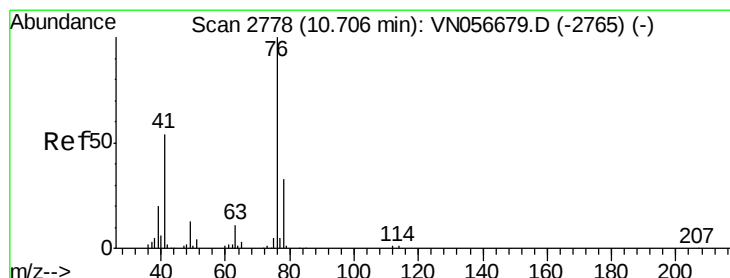
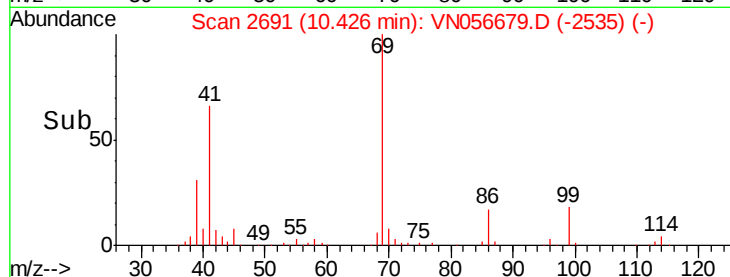
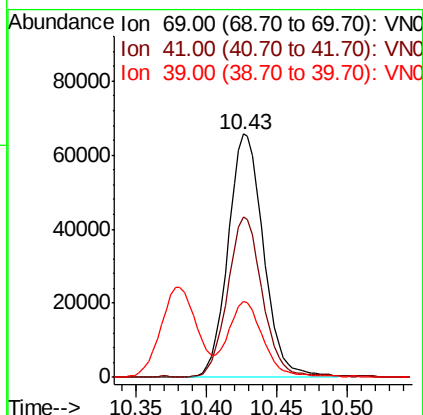
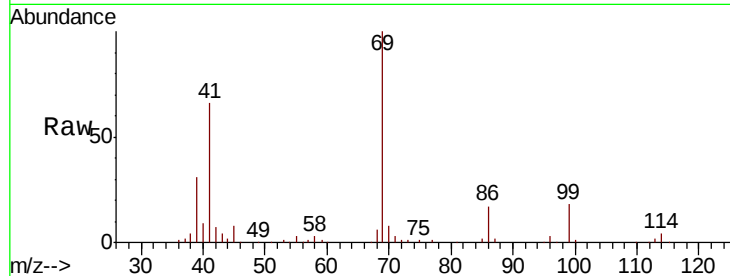




#51
Ethyl methacrylate
Concen: 20.451 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

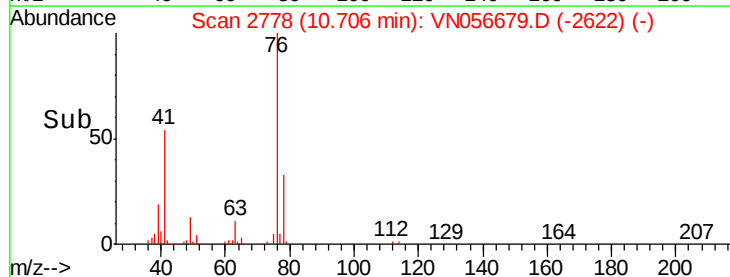
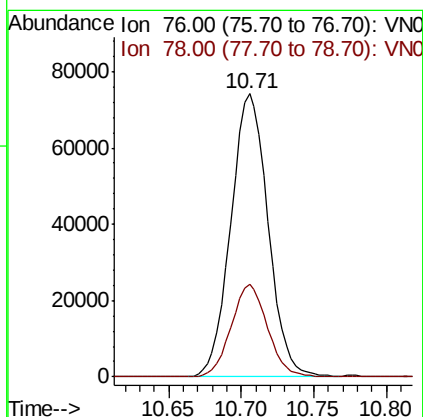
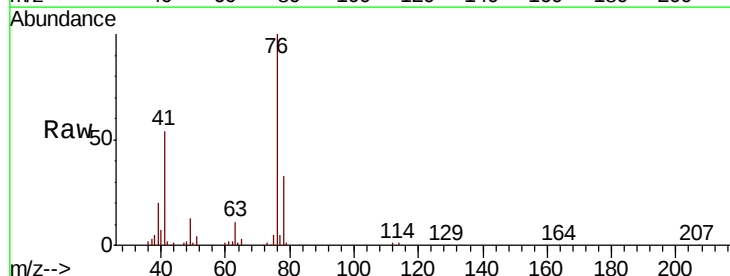
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

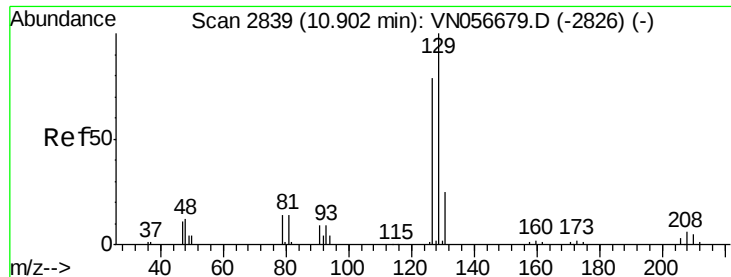
Tot Ion: 69 Resp: 115751
Ion Ratio Lower Upper
69 100
41 65.5 32.8 98.3
39 30.8 15.4 46.2



#52
1,3-Dichloropropane
Concen: 21.422 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 76 Resp: 132261
Ion Ratio Lower Upper
76 100
78 31.8 0.0 63.6

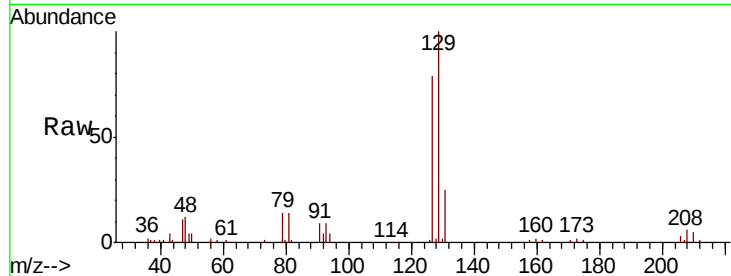




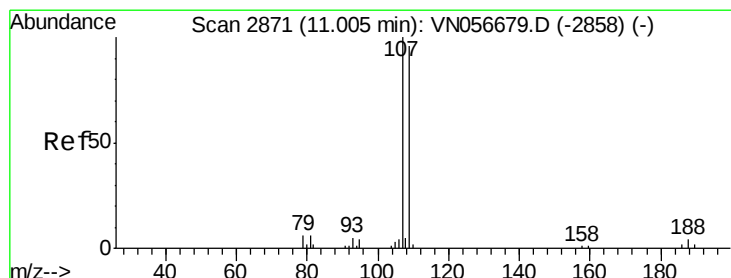
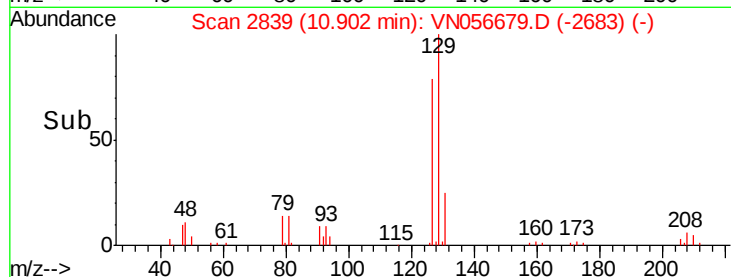
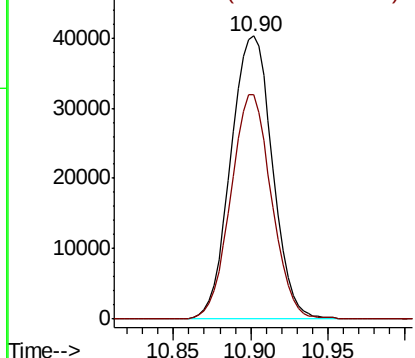
#53
Dibromochloromethane
Concen: 21.100 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:129 Resp: 75364
Ion Ratio Lower Upper
129 100
127 77.4 38.7 116.1

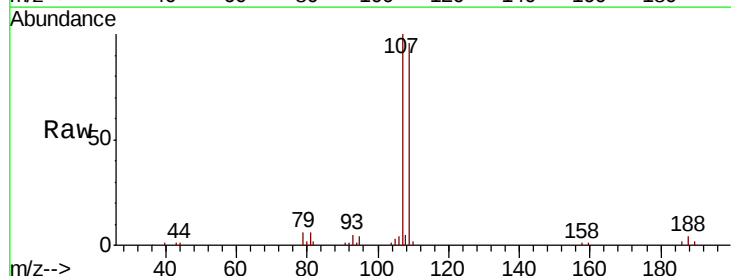


Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

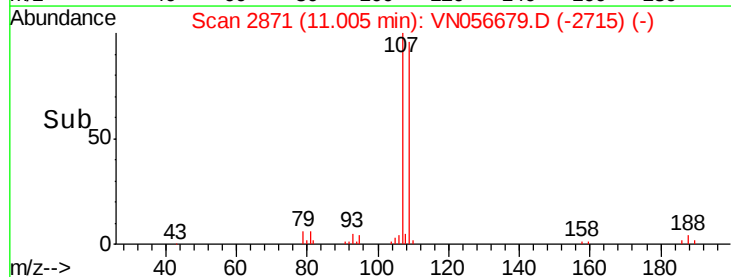
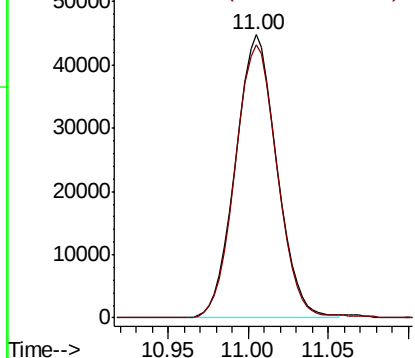


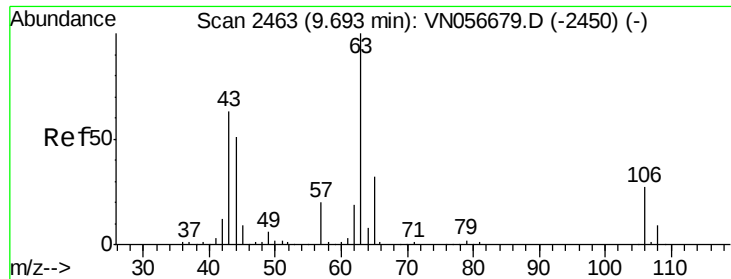
#54
1,2-Dibromoethane
Concen: 20.949 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion:107 Resp: 79108
Ion Ratio Lower Upper
107 100
109 97.4 77.9 116.9



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V

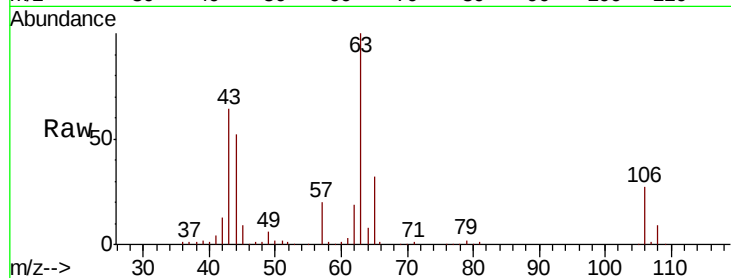




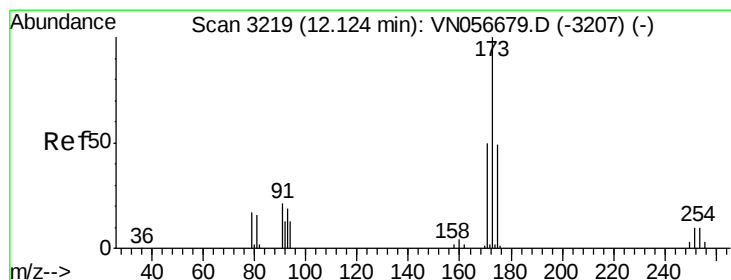
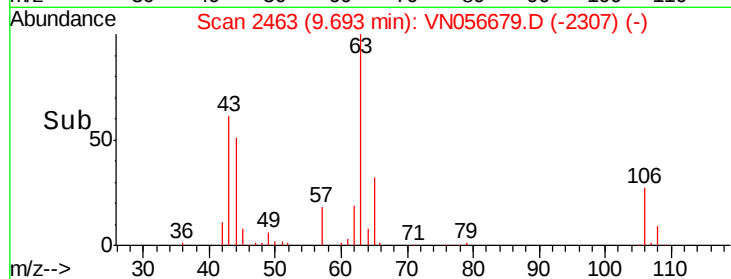
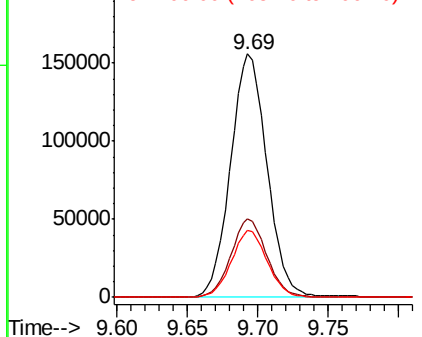
#55
2-Chloroethyl vinyl ether
Concen: 99.075 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 63 Resp: 283219
Ion Ratio Lower Upper
63 100
65 31.5 25.2 37.8
106 27.0 21.6 32.4

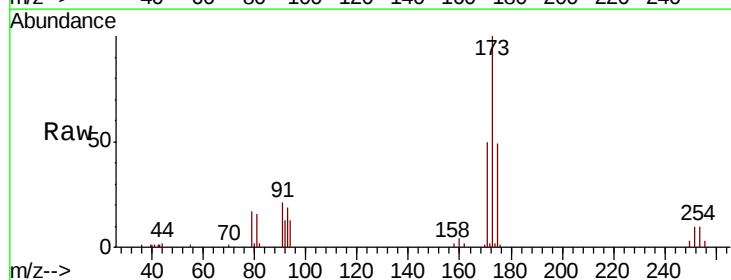


Abundance Ion 63.00 (62.70 to 63.70): VN056679.D (-2450) (-)
Ion 65.00 (64.70 to 65.70): VN056679.D (-2450) (-)
Ion 106.00 (105.70 to 106.70): VN056679.D (-2450) (-)

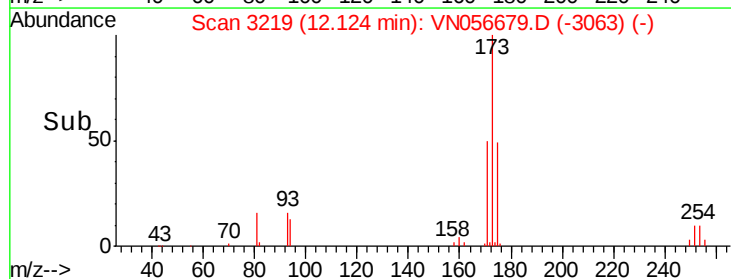
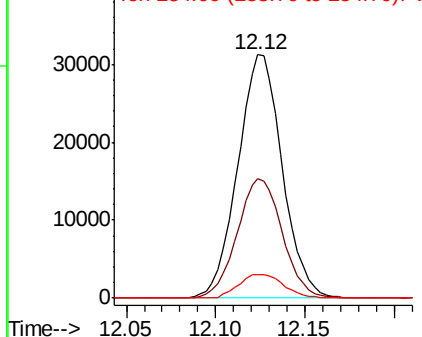


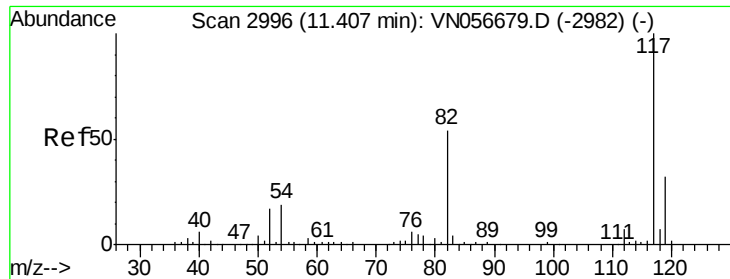
#56
Bromoform
Concen: 20.725 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 173 Resp: 54199
Ion Ratio Lower Upper
173 100
175 49.6 39.7 59.5
254 9.8 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): VN056679.D (-3207) (-)
Ion 175.00 (174.70 to 175.70): VN056679.D (-3207) (-)
Ion 254.00 (253.70 to 254.70): VN056679.D (-3207) (-)

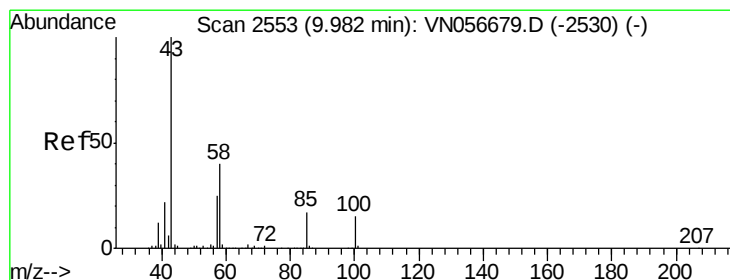
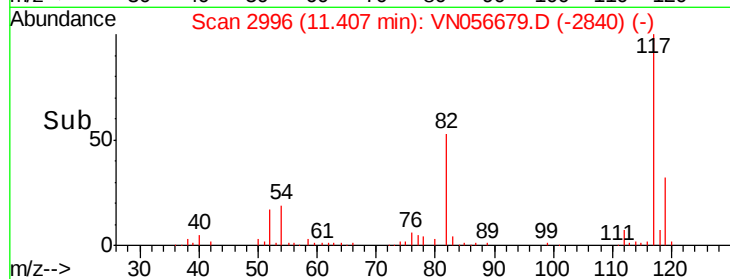
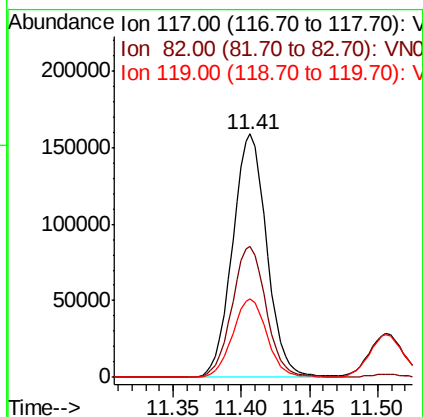
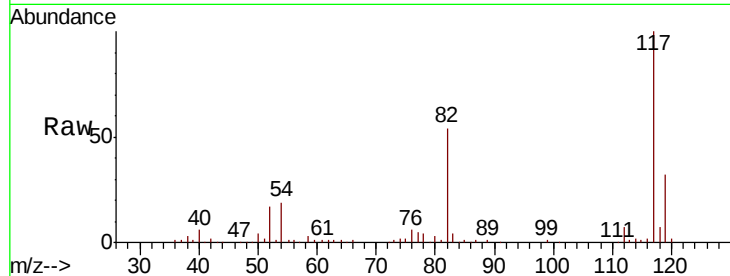




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

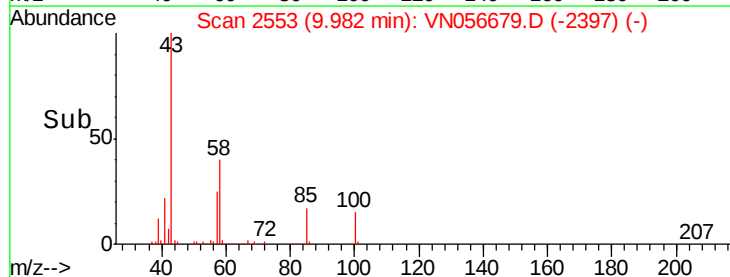
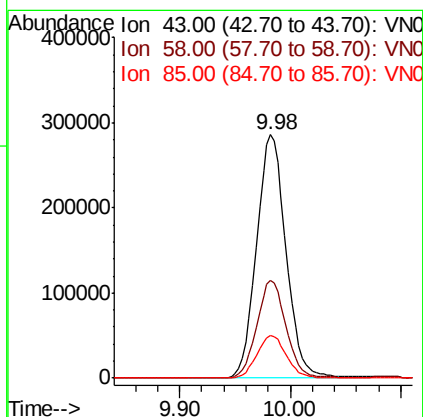
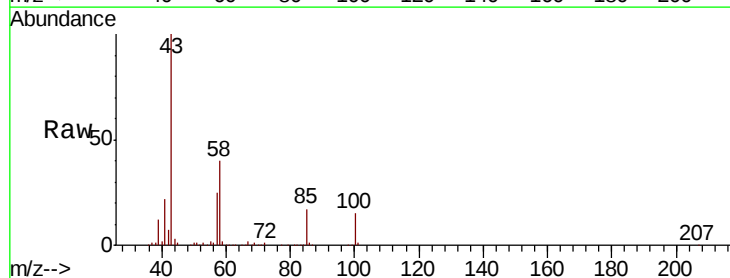
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

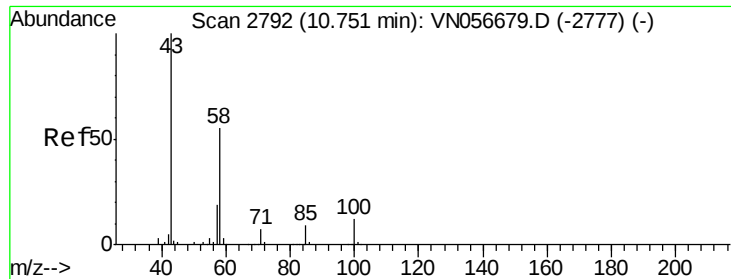
Tot Ion:117 Resp: 276721
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 32.5 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 104.306 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 43 Resp: 526942
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9
85 17.8 14.2 21.4

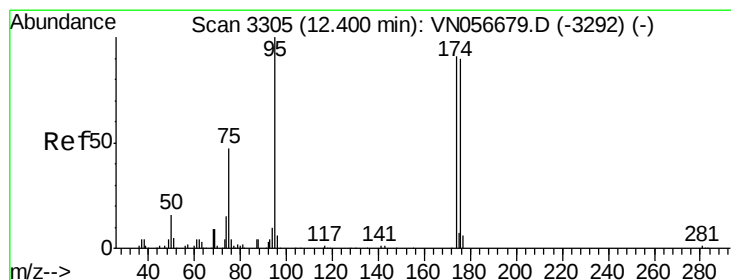
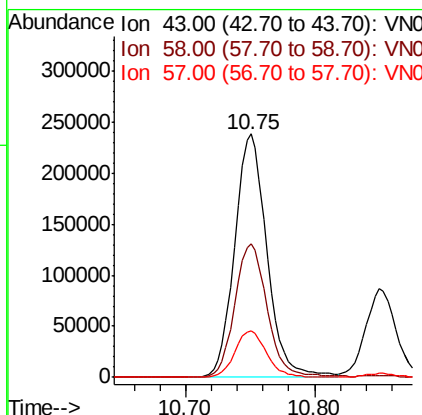
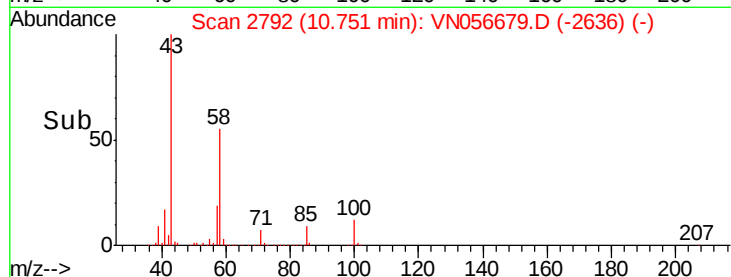
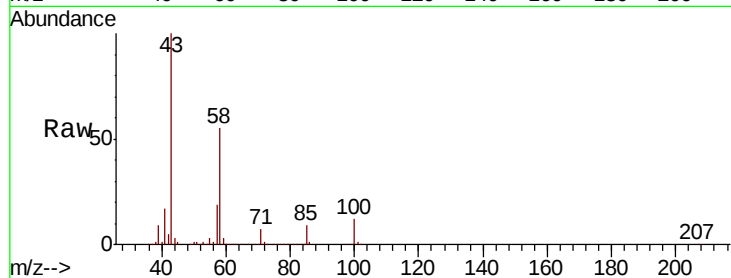




#59
2-Hexanone
Concen: 108.831 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

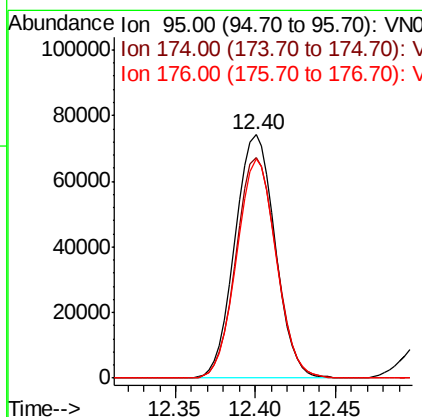
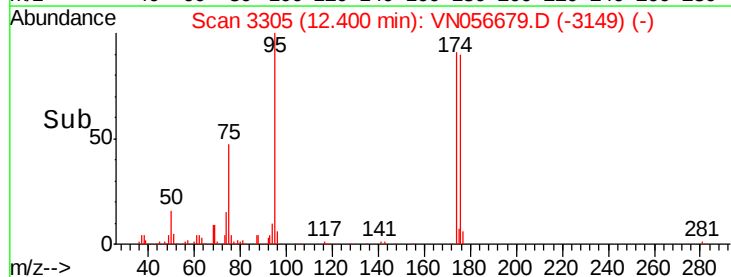
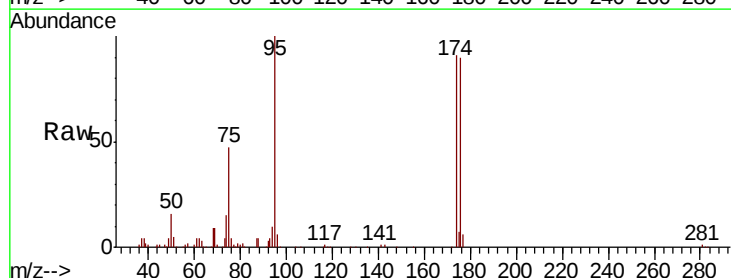
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

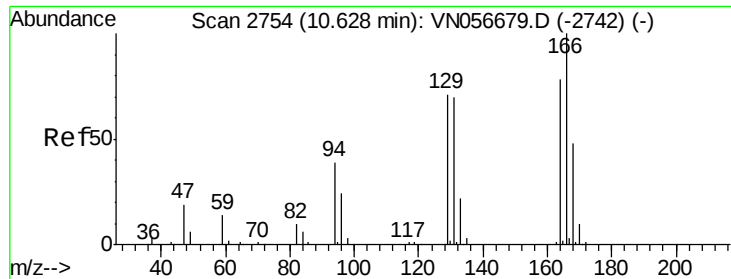
Tot Ion: 43 Resp: 413555
Ion Ratio Lower Upper
43 100
58 55.5 44.4 66.6
57 19.0 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.688 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 95 Resp: 126747
Ion Ratio Lower Upper
95 100
174 90.7 72.6 108.8
176 88.8 71.0 106.6





#61

Tetrachloroethene

Concen: 22.953 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 82932

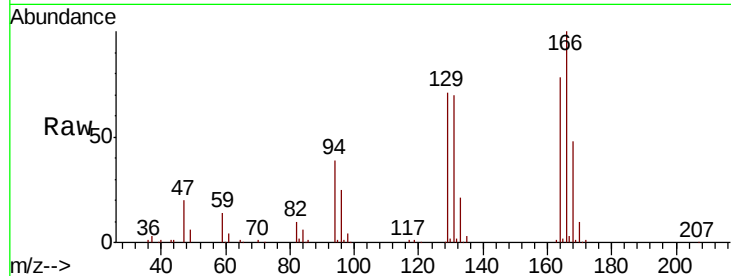
Ion Ratio Lower Upper

164 100

166 127.9 102.3 153.5

129 90.7 72.6 108.8

131 89.3 71.4 107.2



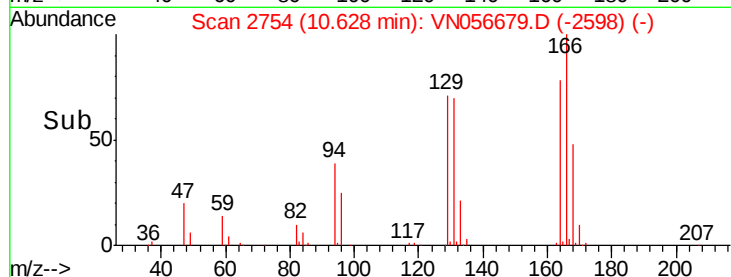
Abundance Ion 163.85 (163.55 to 164.55): V

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

Time-->



Abundance

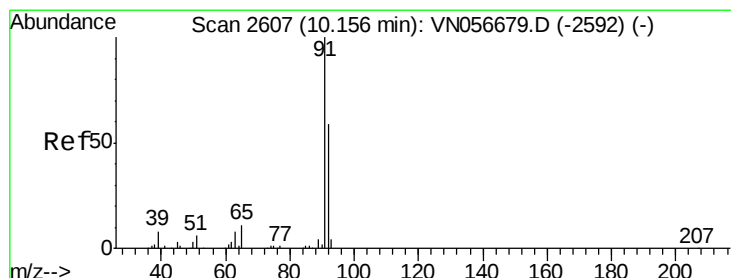
Ion 163.85 (163.55 to 164.55): V

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

Time-->



#62

Toluene

Concen: 21.179 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056679.D

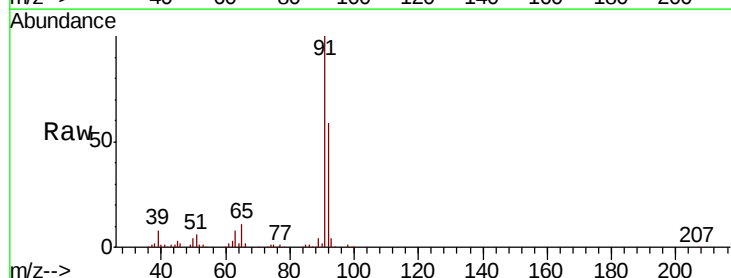
Acq: 12 Jul 2019 10:36

Tgt Ion: 91 Resp: 333412

Ion Ratio Lower Upper

91 100

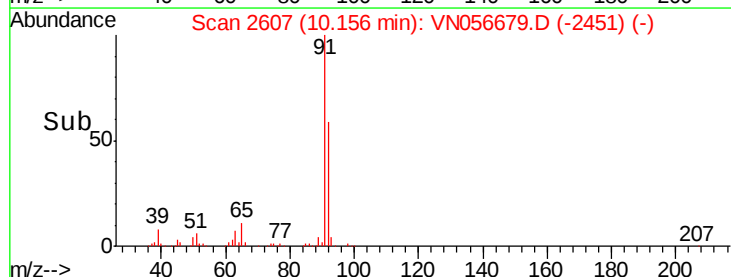
92 58.4 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Time-->

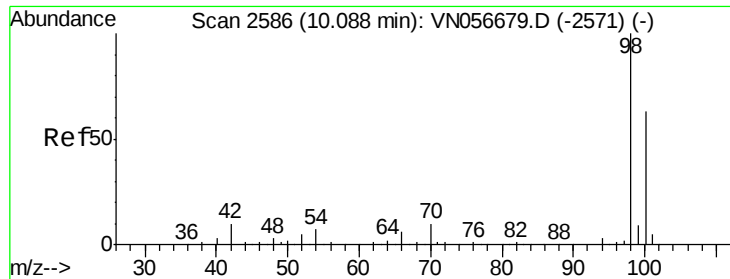


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

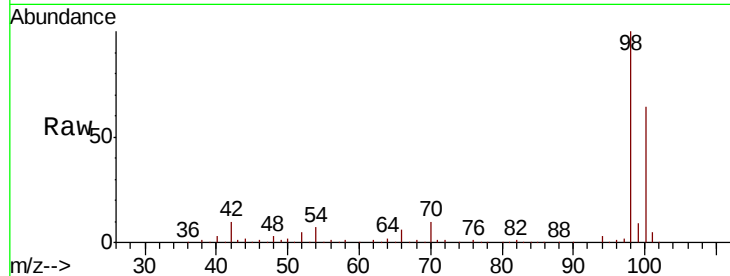
Time-->



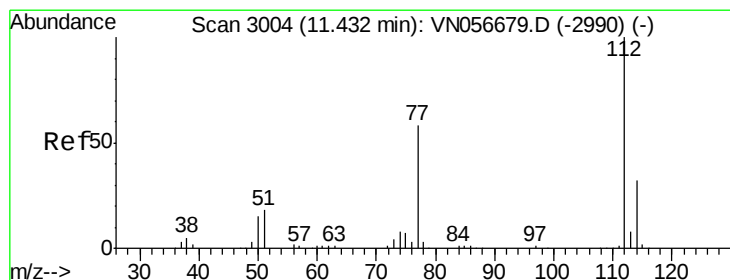
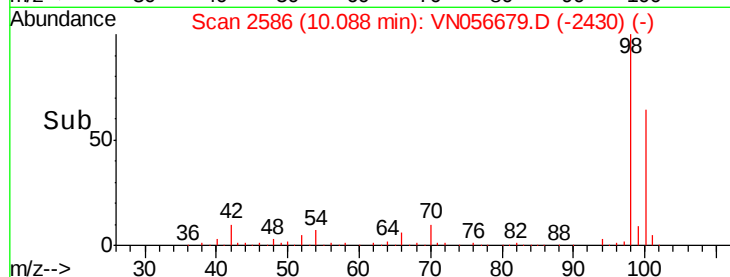
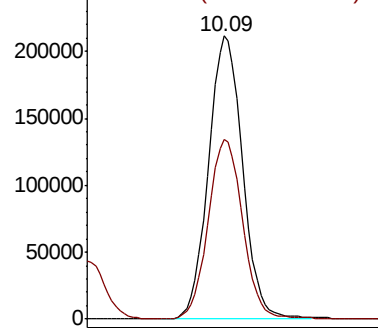
#63
Toluene-d8
Concen: 30.307 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 98 Resp: 388903
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7

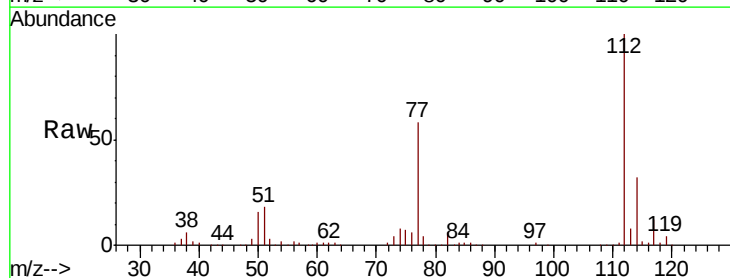


Abundance Ion 98.00 (97.70 to 98.70): VN056679.D (-2571) (-)
Ion 100.00 (99.70 to 100.70): VN056679.D (-2571) (-)

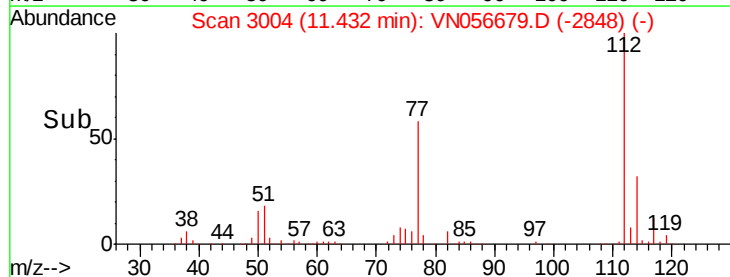
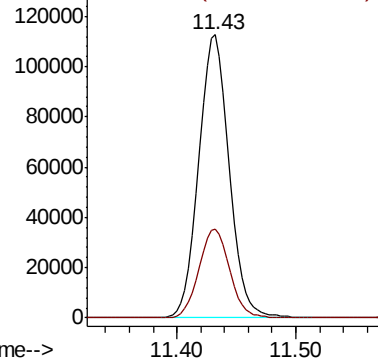


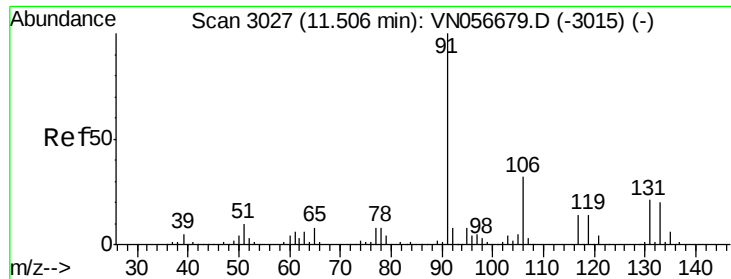
#64
Chlorobenzene
Concen: 21.023 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 112 Resp: 199644
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



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

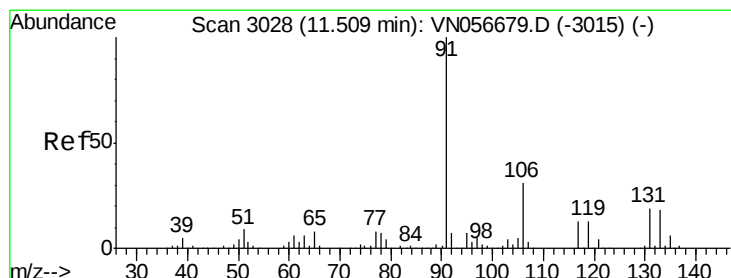
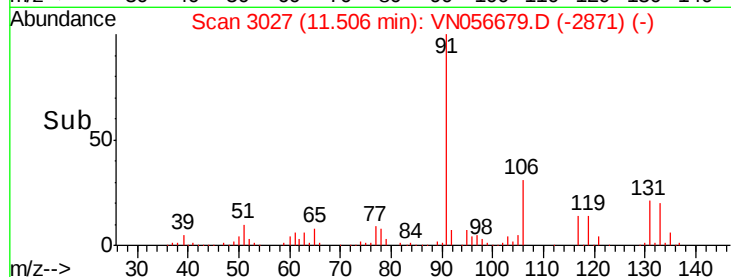
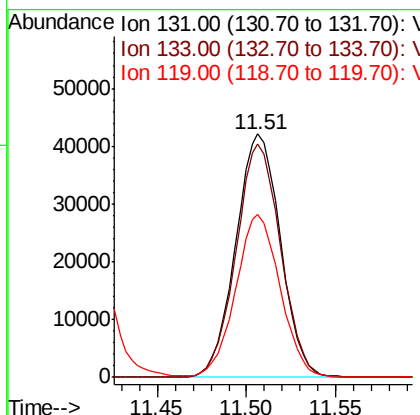
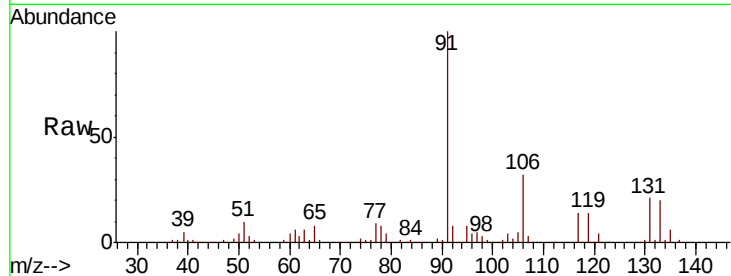




#65
 1,1,1,2-Tetrachloroethane
 Concen: 21.302 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

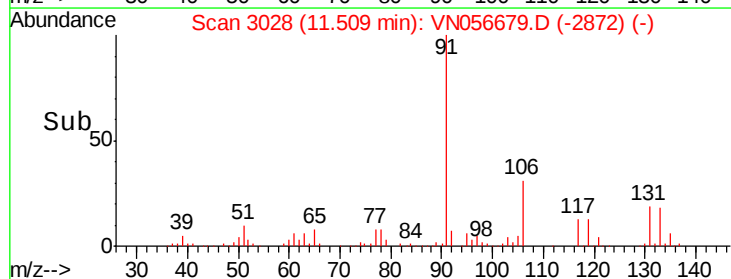
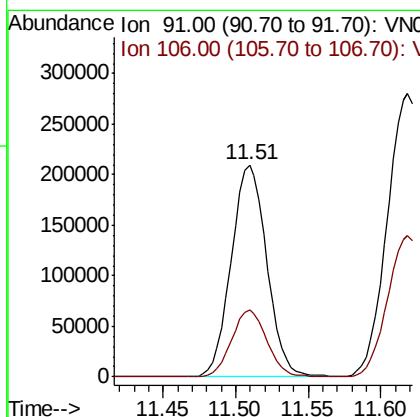
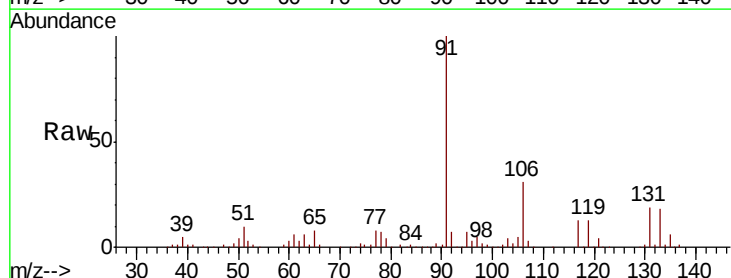
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

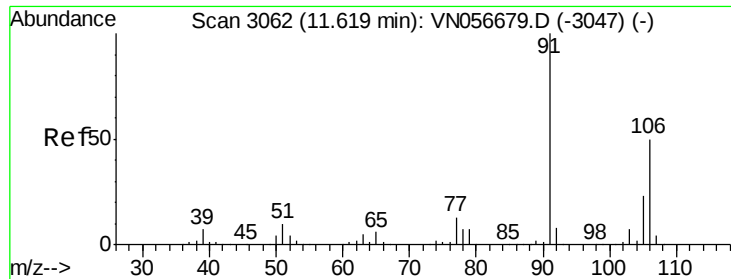
Tot Ion:131 Resp: 73402
 Ion Ratio Lower Upper
 131 100
 133 95.7 0.0 191.4
 119 66.7 0.0 133.4



#66
 Ethyl Benzene
 Concen: 20.955 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

Tgt Ion: 91 Resp: 358079
 Ion Ratio Lower Upper
 91 100
 106 31.4 25.1 37.7

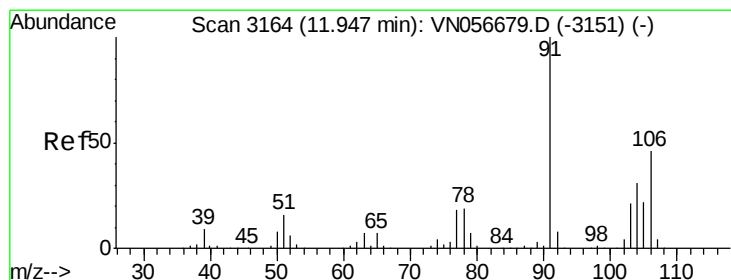
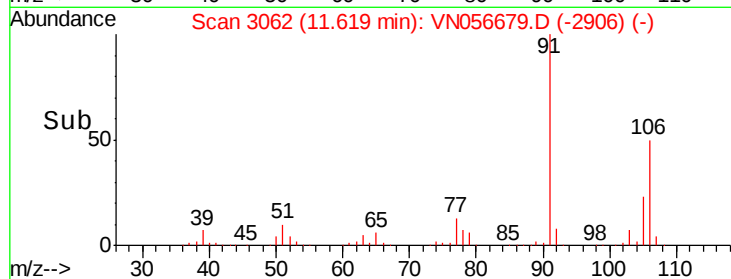
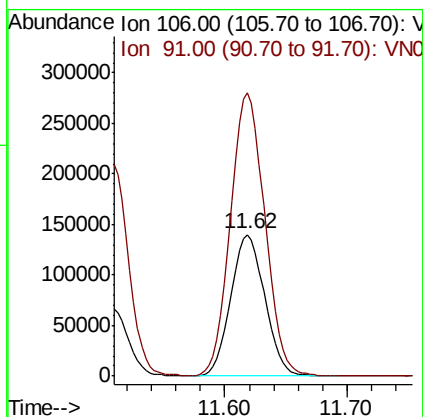
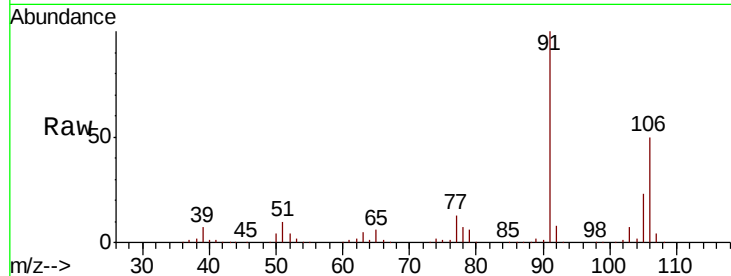




#67
m/p-Xylenes
Concen: 42.882 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

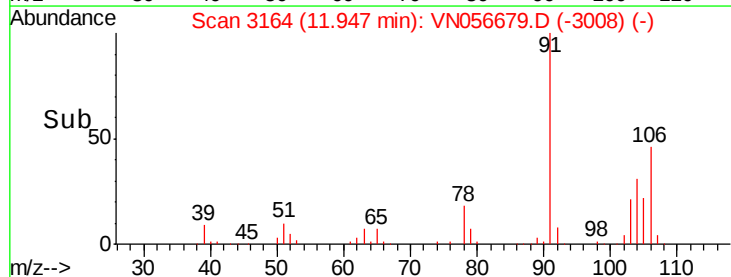
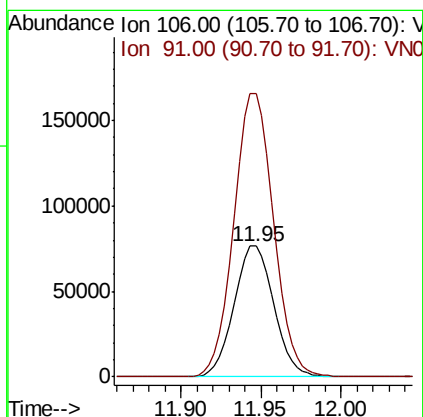
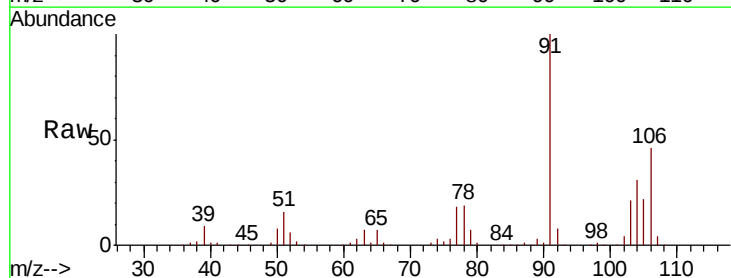
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

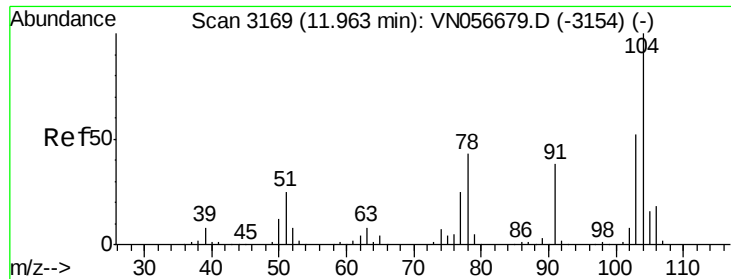
Tot Ion:106 Resp: 272044
Ion Ratio Lower Upper
106 100
91 202.3 161.8 242.8



#68
o-Xylene
Concen: 20.839 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion:106 Resp: 129712
Ion Ratio Lower Upper
106 100
91 216.1 108.1 324.2

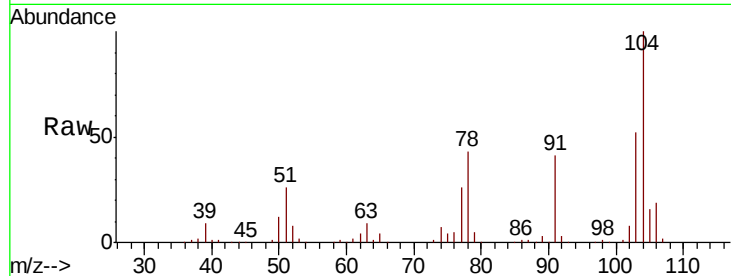




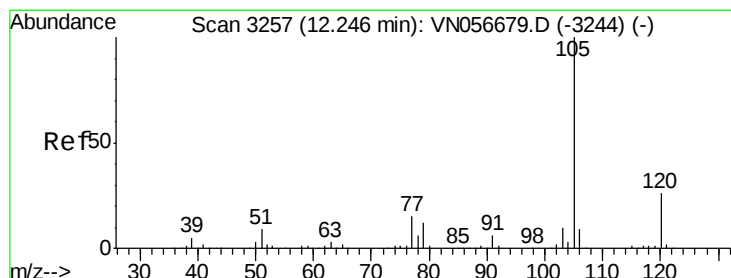
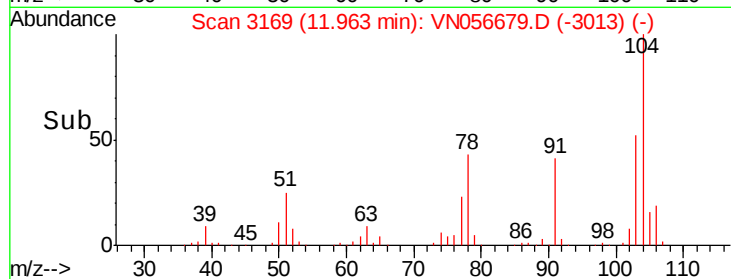
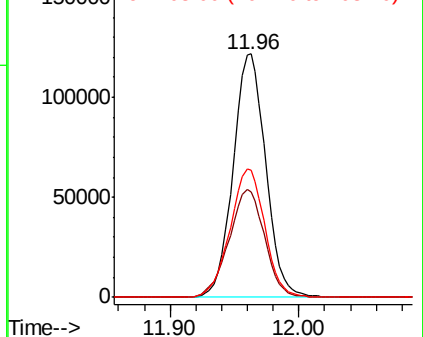
#69
Stvrene
Concen: 20.683 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:104 Resp: 214031
Ion Ratio Lower Upper
104 100
78 48.4 38.7 58.1
103 56.2 45.0 67.4

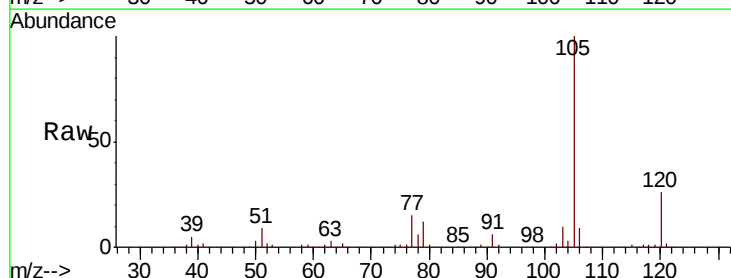


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

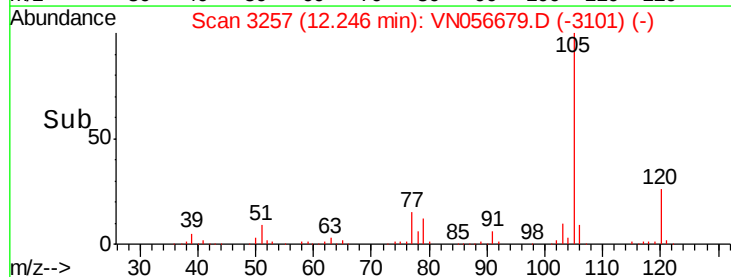
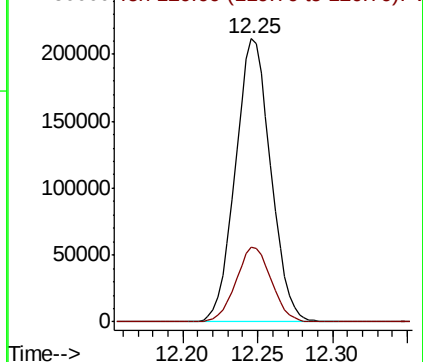


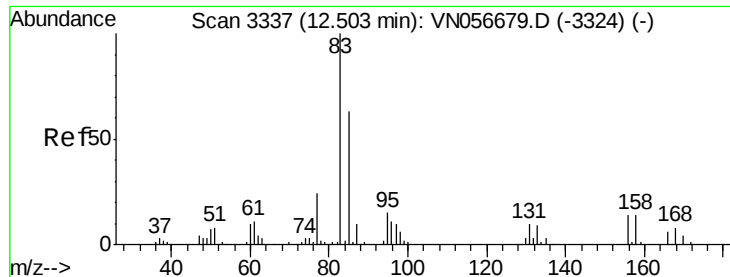
#70
Isopropylbenzene
Concen: 21.302 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion:105 Resp: 347289
Ion Ratio Lower Upper
105 100
120 26.5 18.6 34.5



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

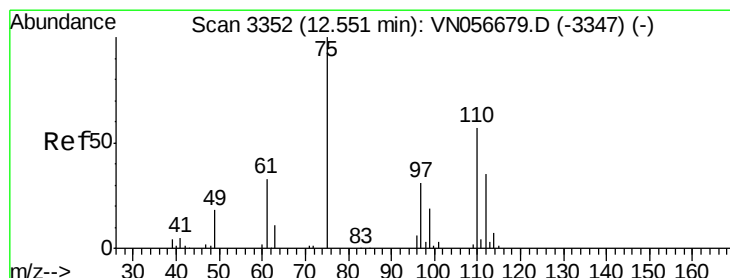
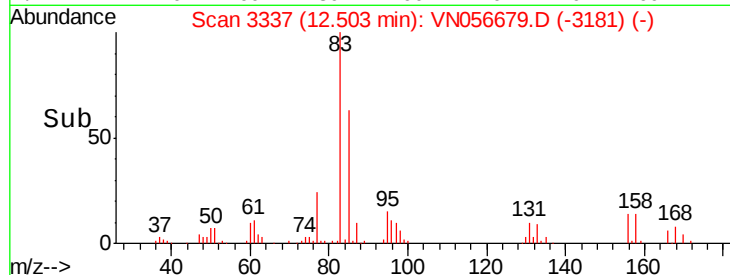
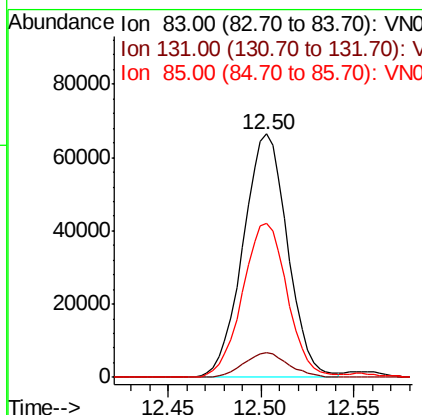
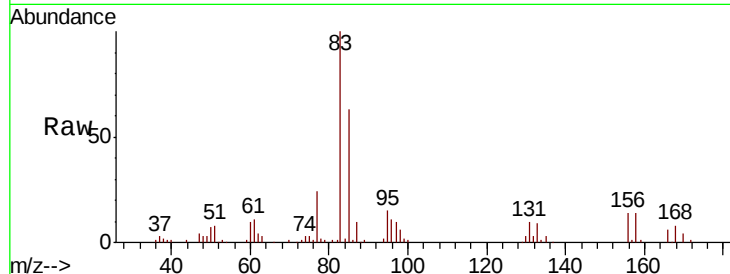




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.735 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

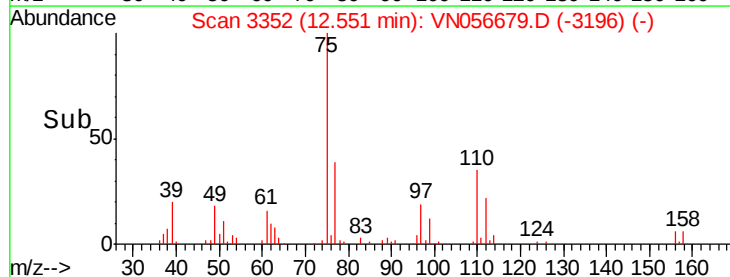
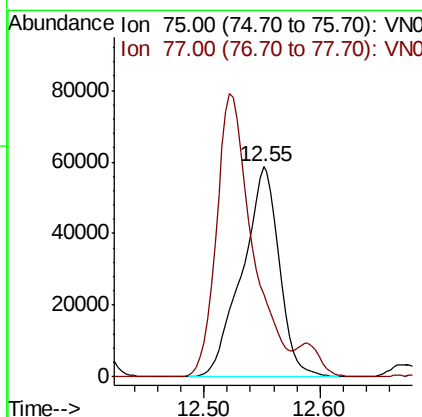
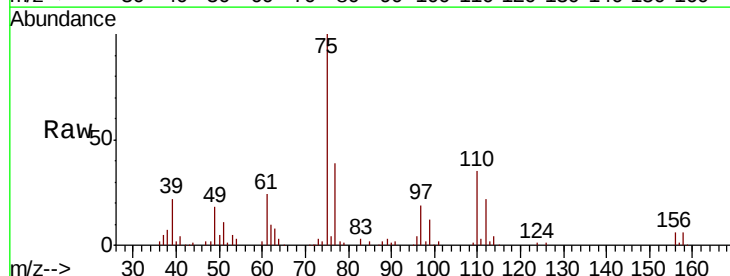
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

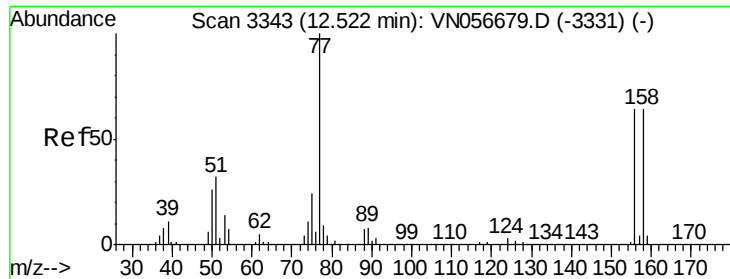
Tot Ion: 83 Resp: 111151
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.1 15.3
 85 63.8 31.9 95.7



#72
 1,2,3-Trichloropropane
 Concen: 29.171 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

Tgt Ion: 75 Resp: 131186
 Ion Ratio Lower Upper
 75 100
 77 129.6 0.0 352.2

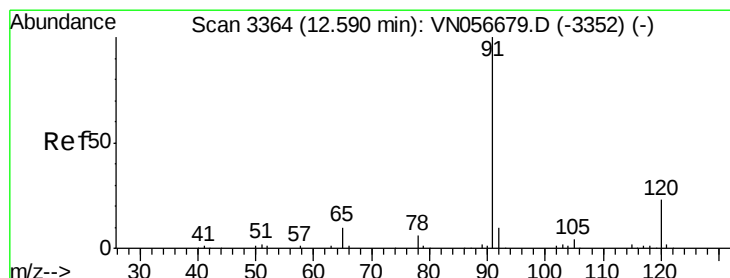
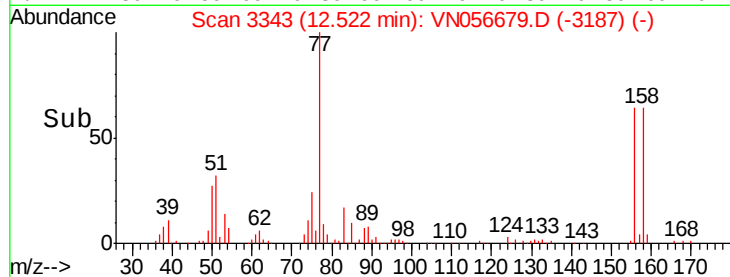
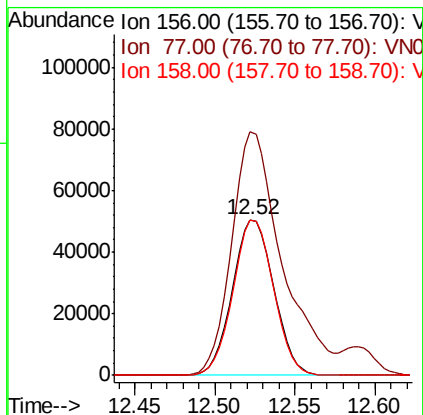
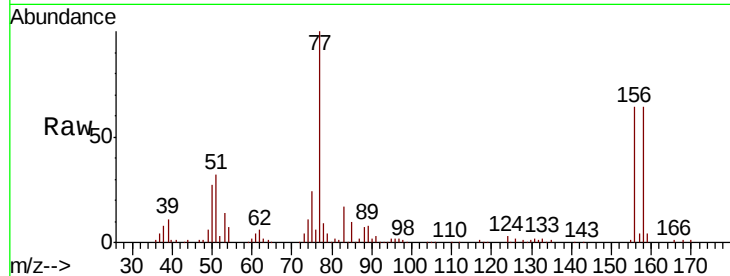




#73
Bromobenzene
Concen: 21.155 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

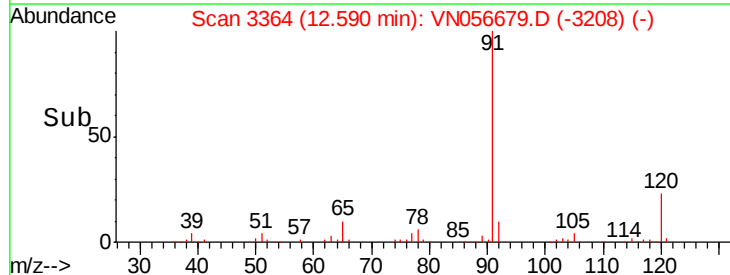
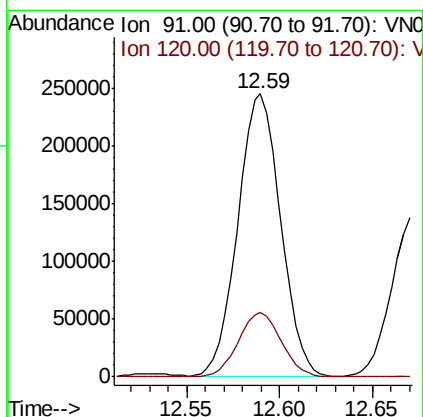
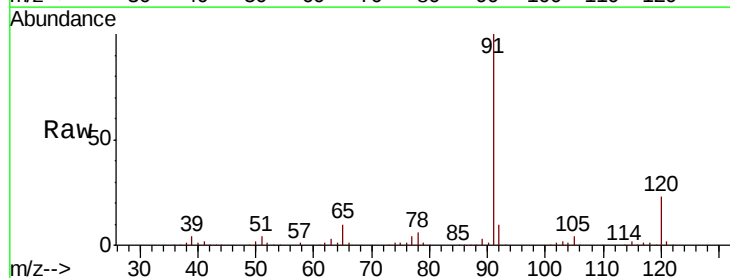
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

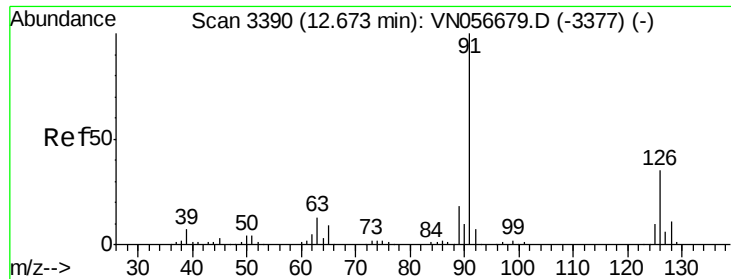
Tot Ion:156 Resp: 89051
Ion Ratio Lower Upper
156 100
77 190.9 0.0 381.8
158 97.9 0.0 195.8



#74
n-propylbenzene
Concen: 21.164 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 91 Resp: 393389
Ion Ratio Lower Upper
91 100
120 22.8 0.0 45.6

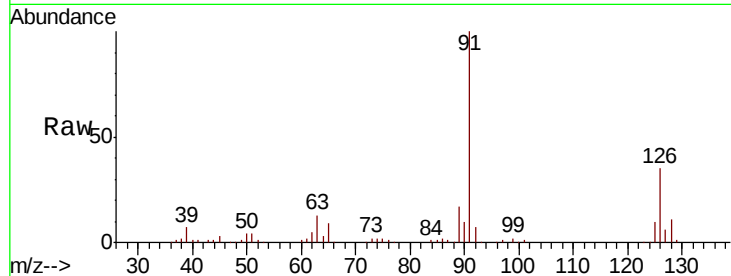




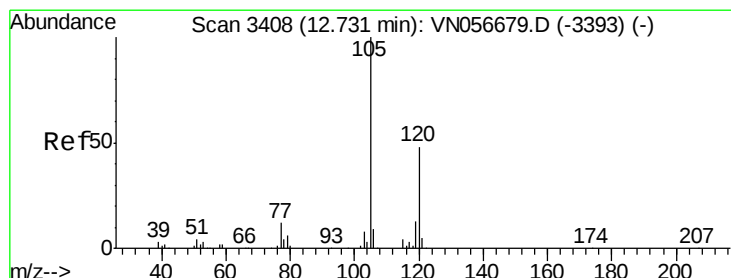
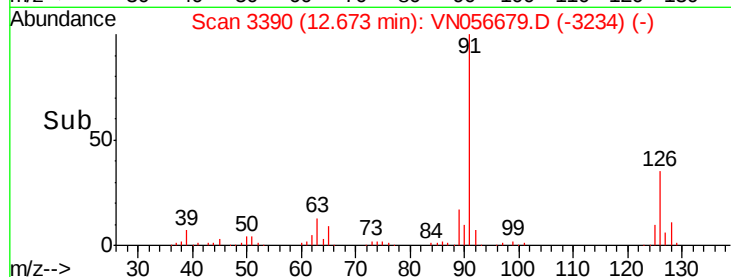
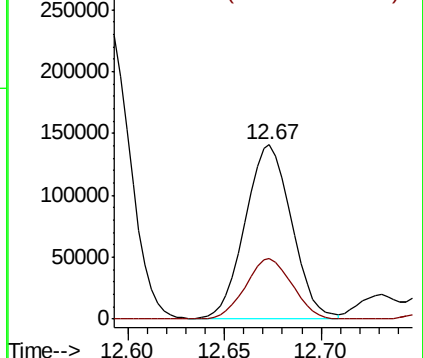
#75
2-Chlorotoluene
Concen: 21.318 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion: 91 Resp: 236266
Ion Ratio Lower Upper
91 100
126 34.9 0.0 69.8

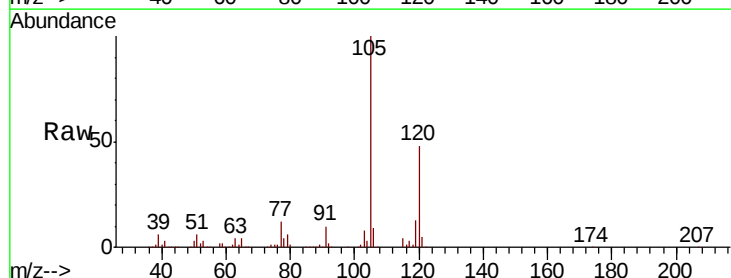


Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3377) (-)
Ion 126.00 (125.70 to 126.70): VN056679.D (-3377) (-)

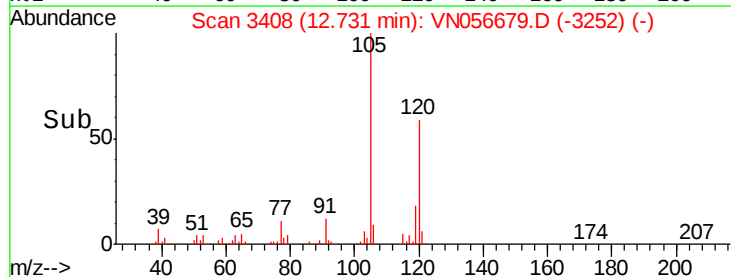
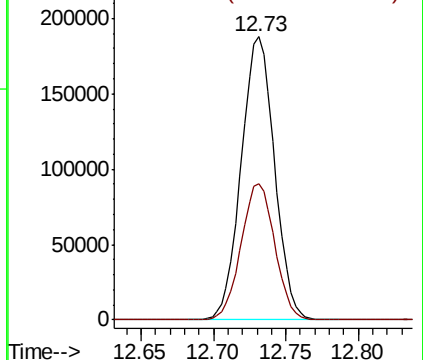


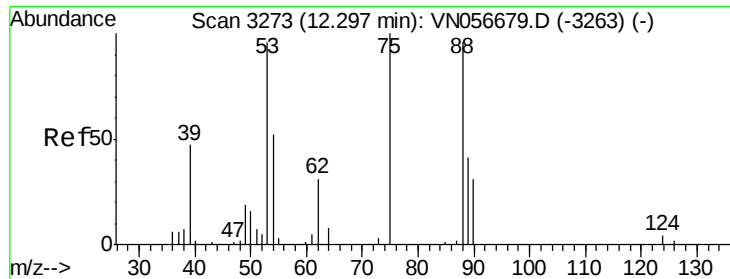
#76
1,3,5-Trimethylbenzene
Concen: 21.642 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion:105 Resp: 300593
Ion Ratio Lower Upper
105 100
120 48.8 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): VN056679.D (-3393) (-)
Ion 120.00 (119.70 to 120.70): VN056679.D (-3393) (-)

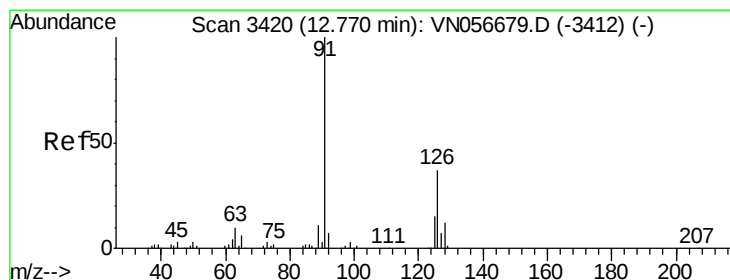
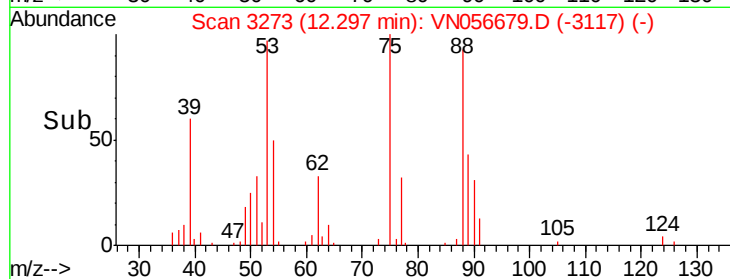
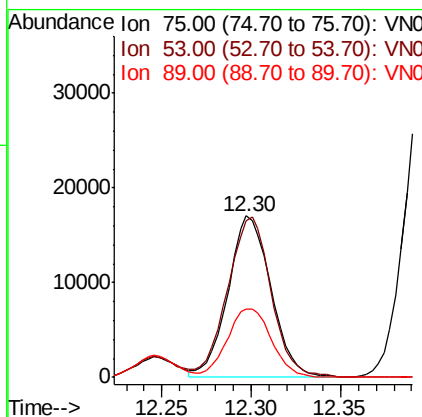
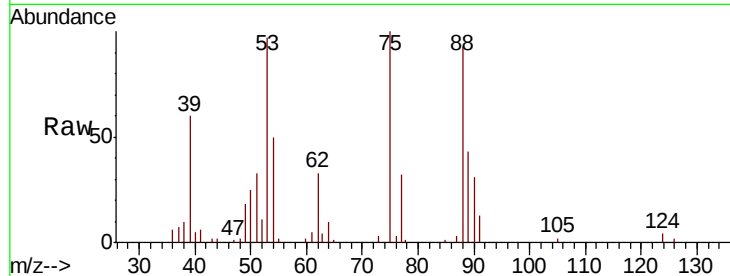




#77
t-1,4-Dichloro-2-butene
Concen: 19.628 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

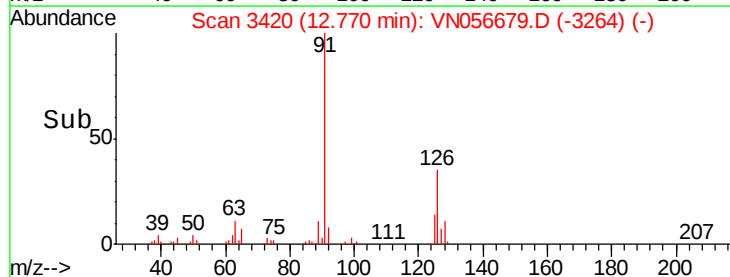
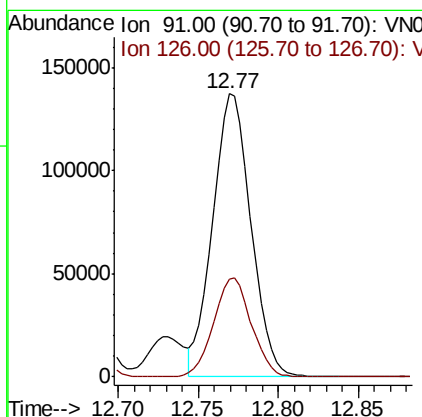
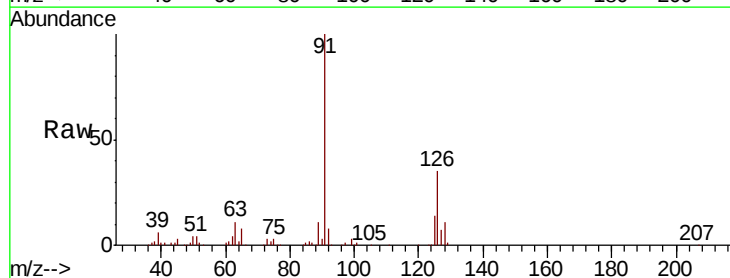
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

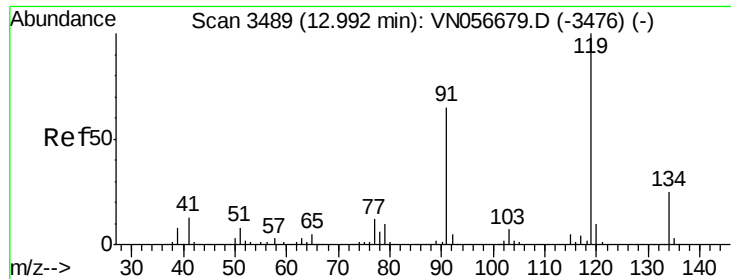
Tot Ion: 75 Resp: 28708
Ion Ratio Lower Upper
75 100
53 97.2 48.6 145.8
89 42.7 21.3 64.0



#78
4-Chlorotoluene
Concen: 20.959 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 91 Resp: 225426
Ion Ratio Lower Upper
91 100
126 34.7 0.0 69.4

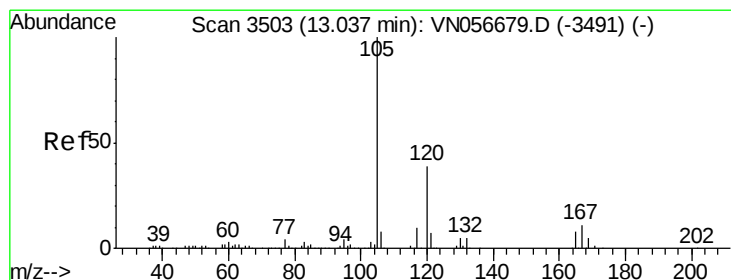
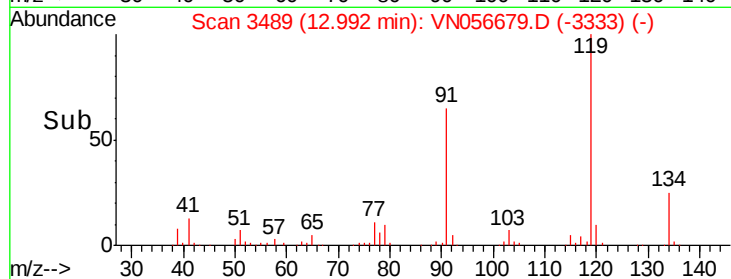
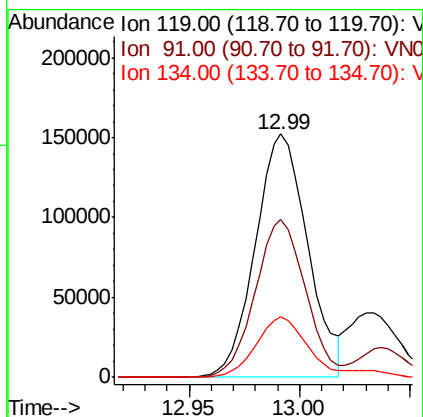
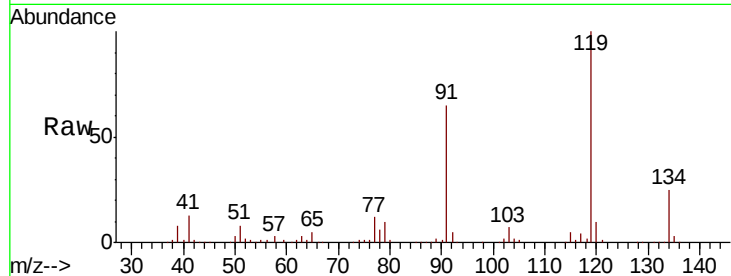




#79
tert-butylbenzene
Concen: 21.233 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

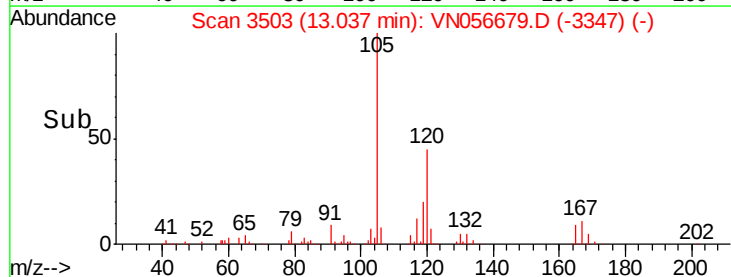
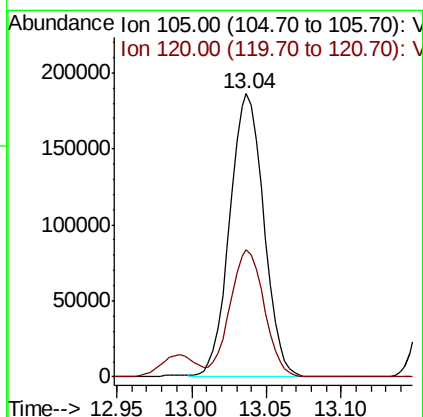
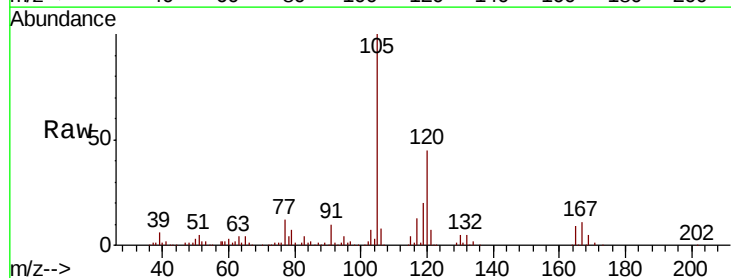
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

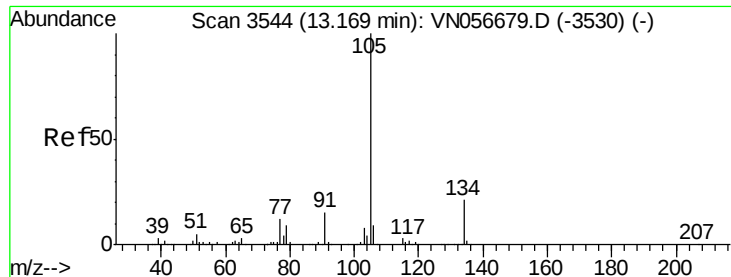
Tot Ion:119 Resp: 251115
Ion Ratio Lower Upper
119 100
91 62.7 0.0 125.4
134 24.2 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 21.500 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion:105 Resp: 295043
Ion Ratio Lower Upper
105 100
120 45.6 0.0 91.2





#81

sec-Butylbenzene

Concen: 21.268 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

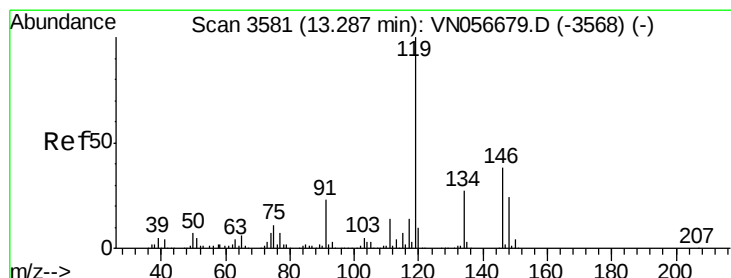
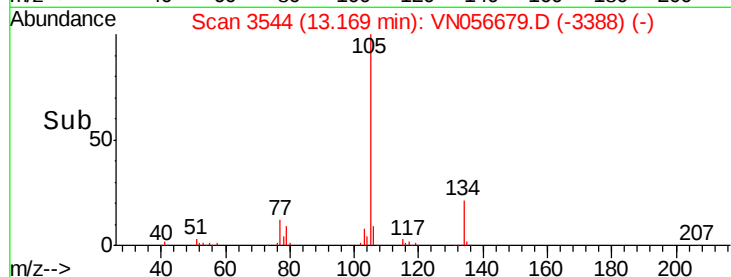
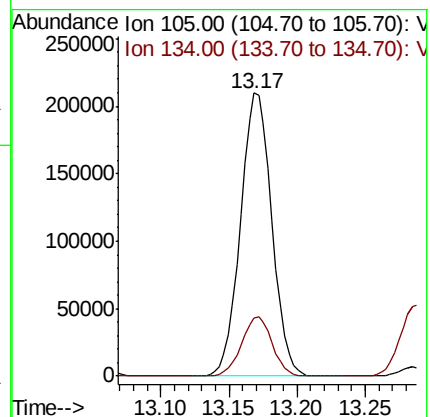
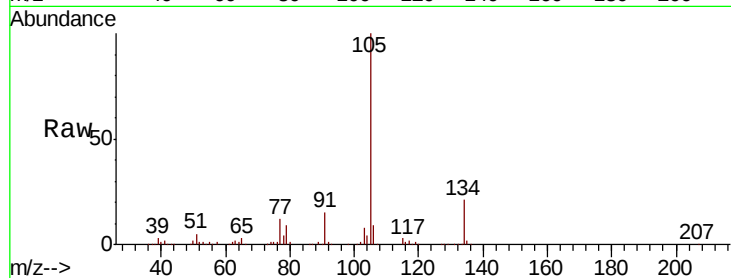
VSTDICCC020

Tot Ion:105 Resp: 333973

Ion Ratio Lower Upper

105 100

134 20.4 0.0 40.8



#82

p-Isopropyltoluene

Concen: 21.528 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

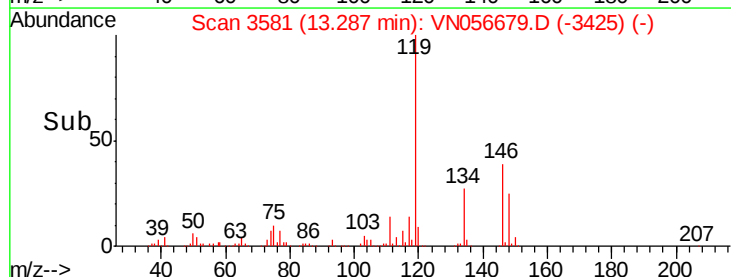
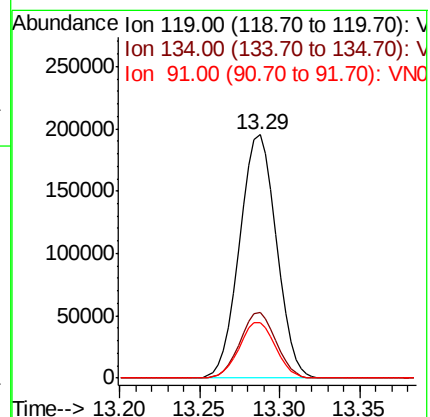
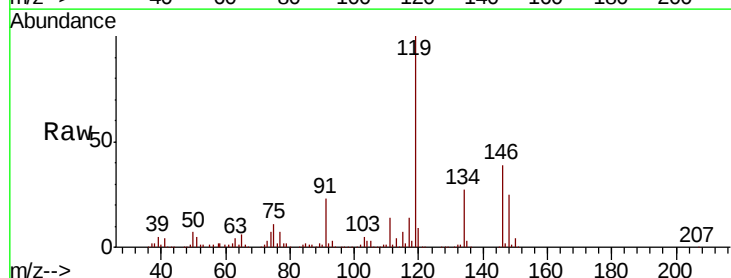
Tgt Ion:119 Resp: 305347

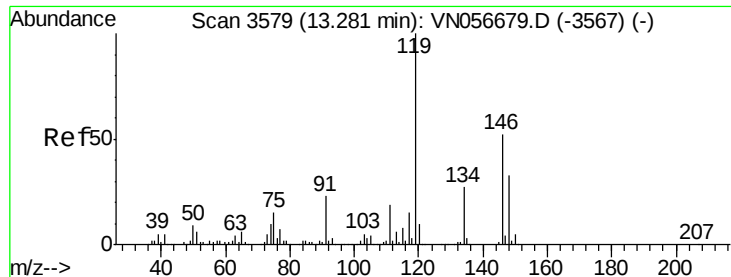
Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.8

91 22.7 0.0 45.4

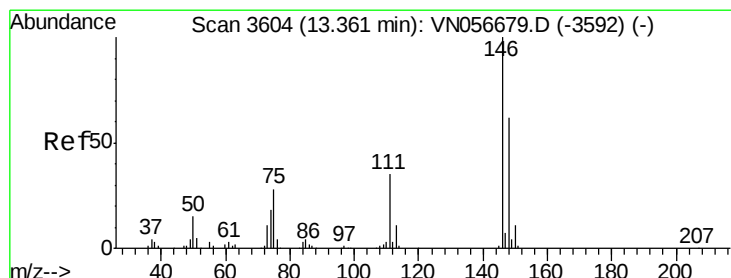
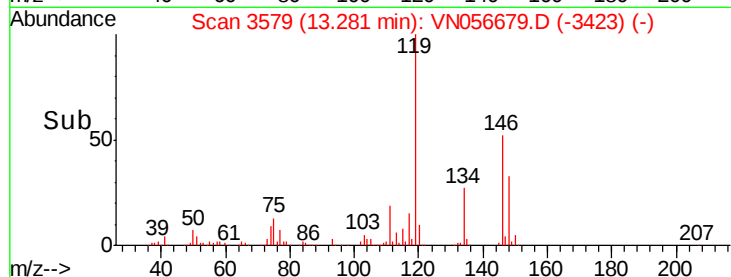
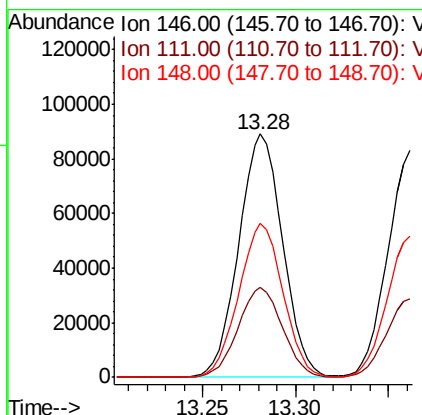
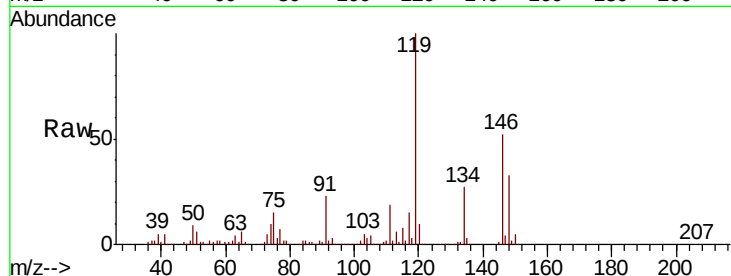




#83
 1,3-Dichlorobenzene
 Concen: 20.883 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

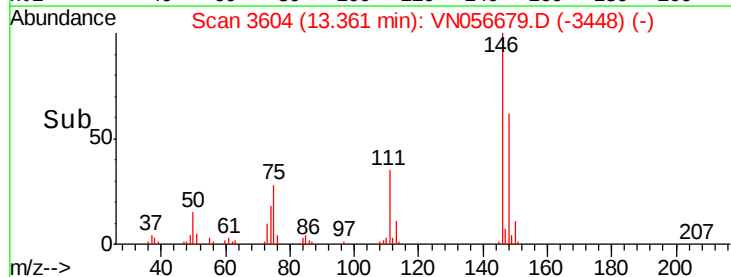
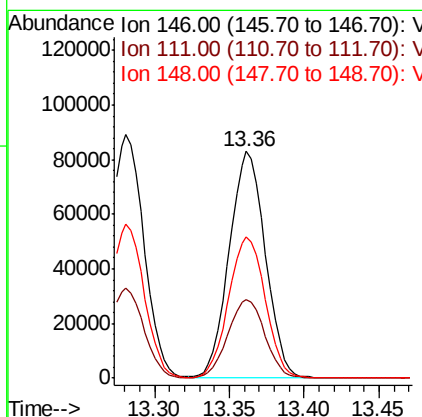
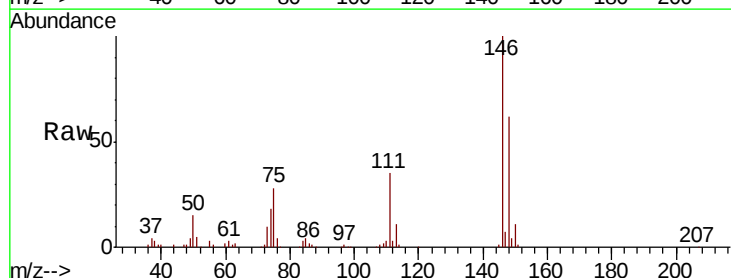
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

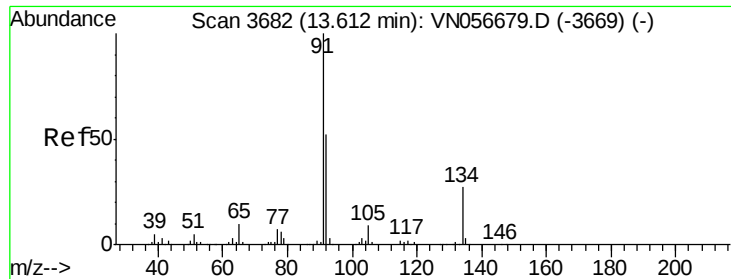
Tot Ion:146 Resp: 146493
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.7 56.1
 148 63.6 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 20.626 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

Tgt Ion:146 Resp: 139262
 Ion Ratio Lower Upper
 146 100
 111 35.6 17.8 53.4
 148 63.7 31.9 95.5

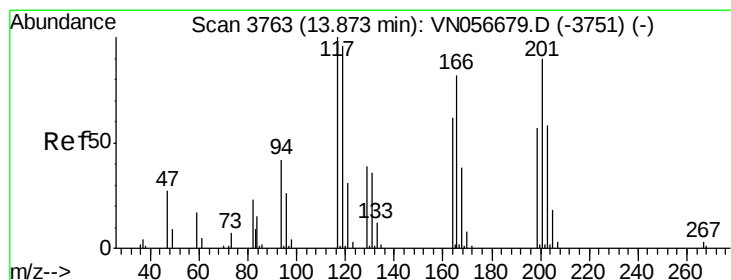
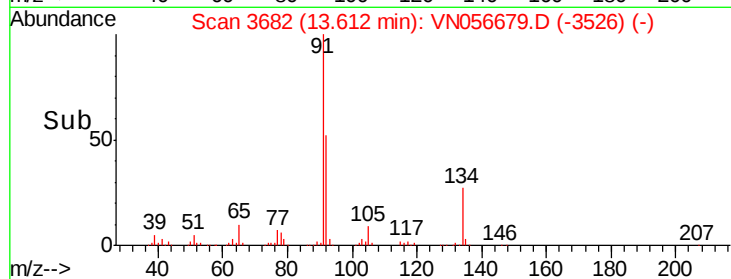
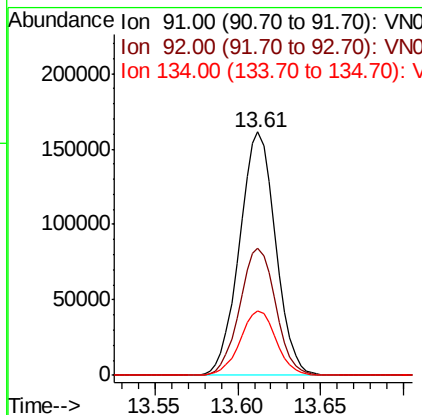
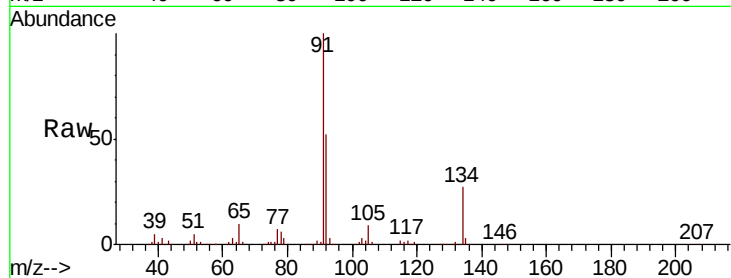




#85
n-Butylbenzene
Concen: 20.538 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

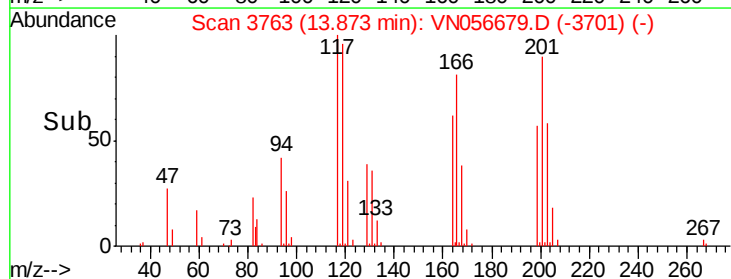
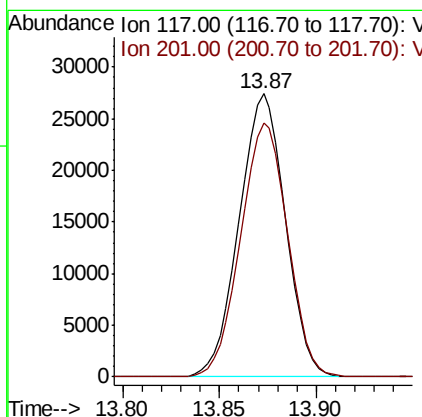
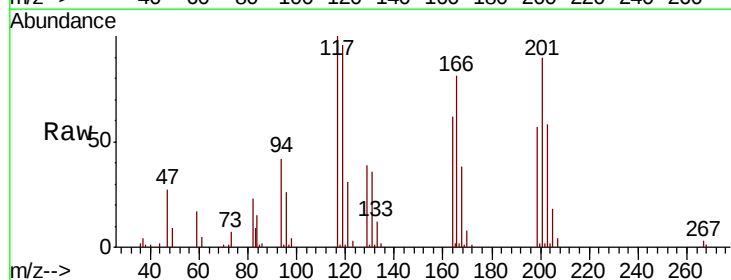
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

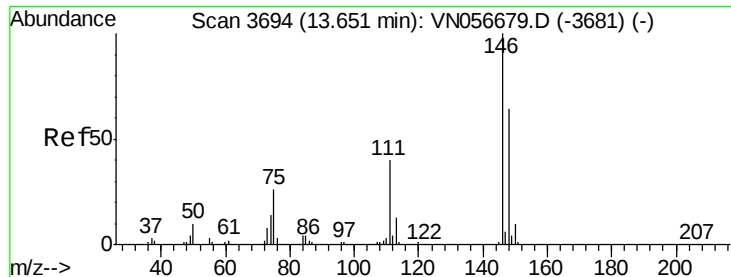
Tot Ion: 91 Resp: 243786
Ion Ratio Lower Upper
91 100
92 52.0 0.0 104.0
134 26.6 0.0 53.2



#86
Hexachloroethane
Concen: 21.175 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056679.D
Acq: 12 Jul 2019 10:36

Tgt Ion: 117 Resp: 45680
Ion Ratio Lower Upper
117 100
201 91.1 45.6 136.7





#87

1,2-Dichlorobenzene

Concen: 20.847 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

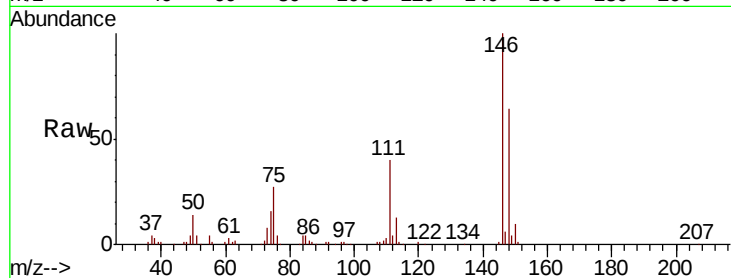
Tot Ion:146 Resp: 147357

Ion Ratio Lower Upper

146 100

111 39.3 19.7 59.0

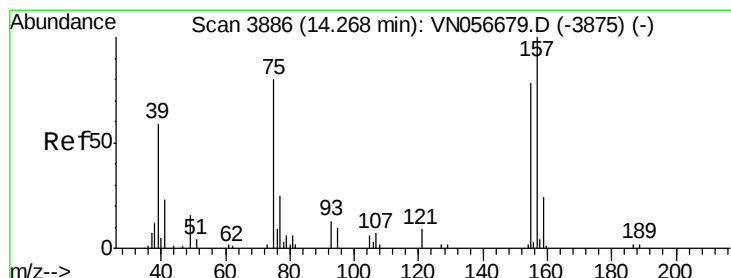
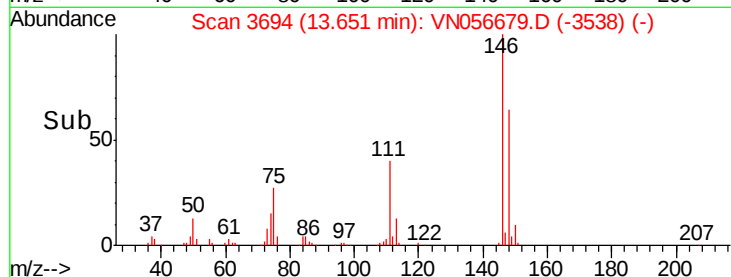
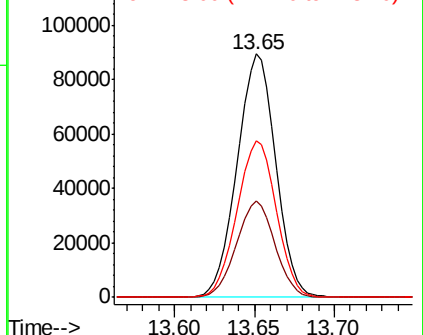
148 65.4 32.7 98.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.850 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

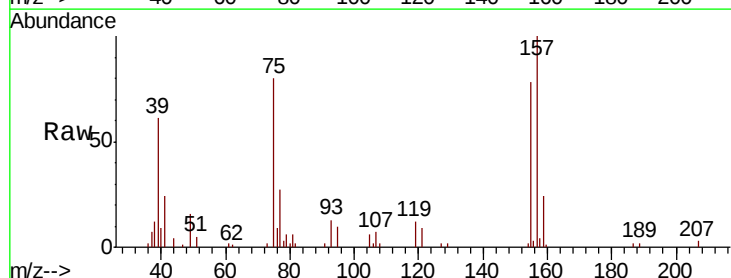
Tgt Ion: 75 Resp: 18002

Ion Ratio Lower Upper

75 100

155 98.2 78.6 117.8

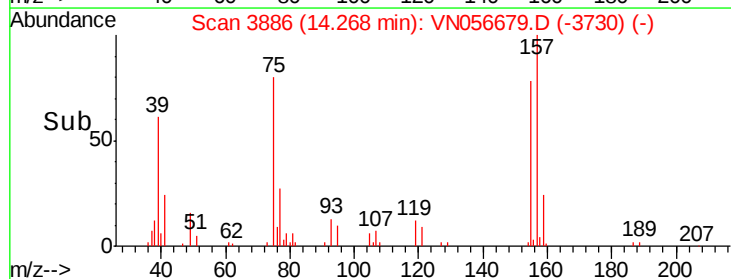
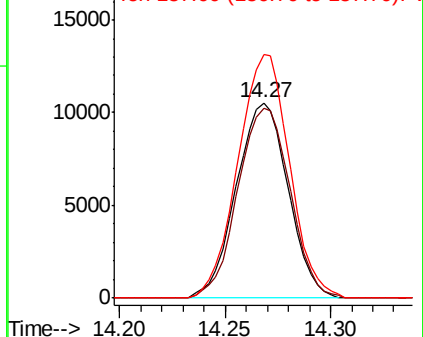
157 124.1 99.3 148.9

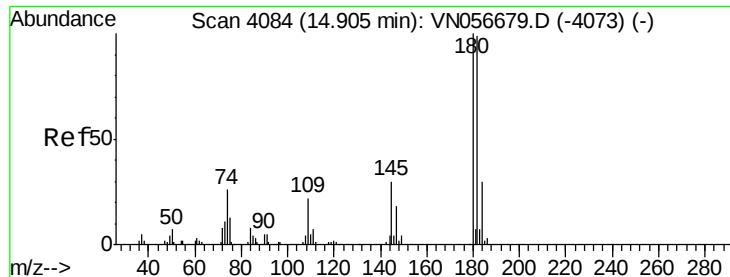


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

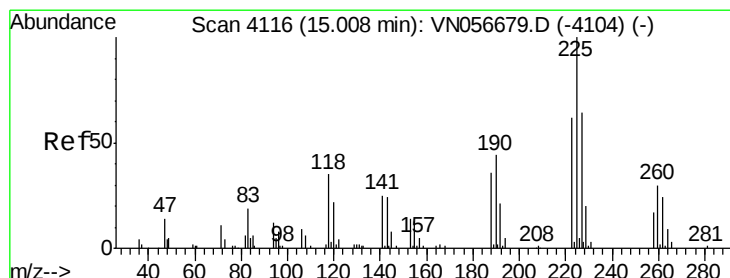
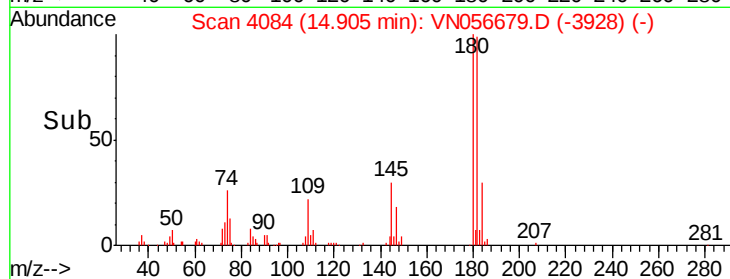
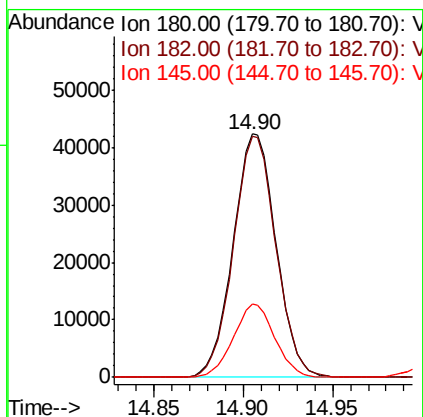
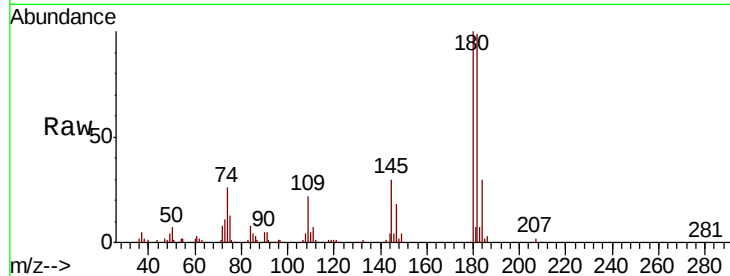




#89
 1,2,4-Trichlorobenzene
 Concen: 18.248 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

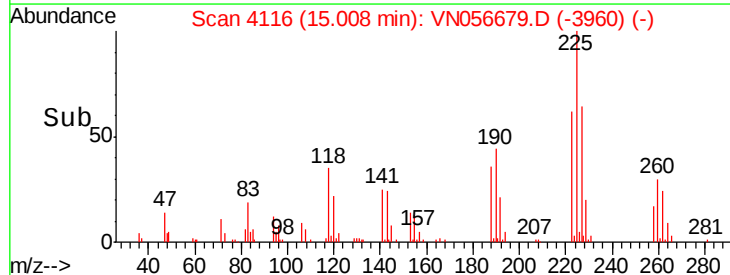
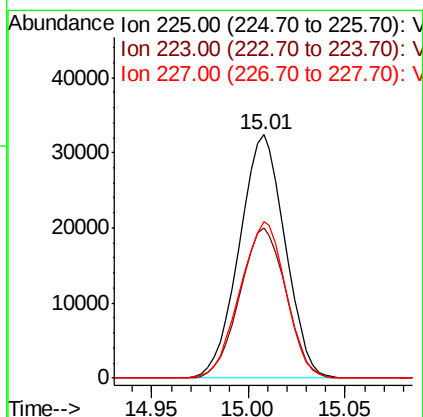
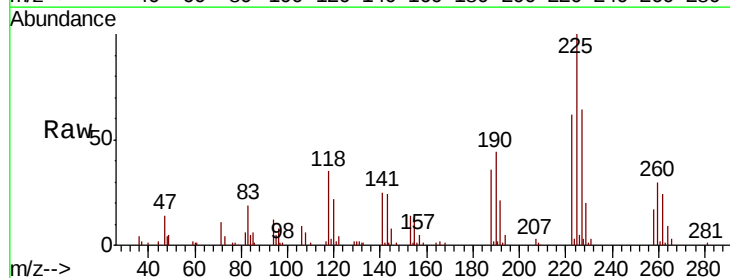
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

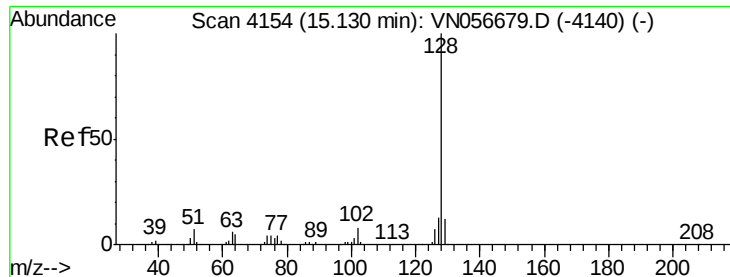
Tot Ion:180 Resp: 71113
 Ion Ratio Lower Upper
 180 100
 182 97.8 78.2 117.4
 145 29.0 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 21.743 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056679.D
 Acq: 12 Jul 2019 10:36

Tgt Ion:225 Resp: 53505
 Ion Ratio Lower Upper
 225 100
 223 62.3 0.0 124.6
 227 64.3 0.0 128.6





#91

Naphthalene

Concen: 16.592 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

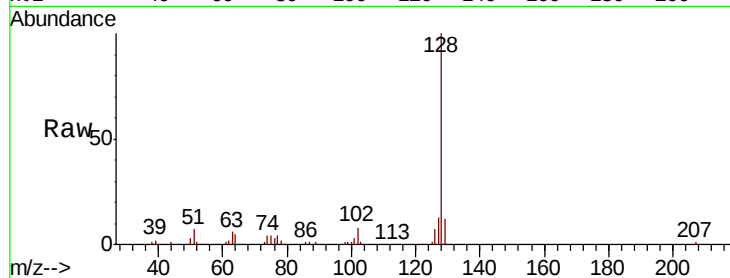
Tot Ion:128 Resp: 178026

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

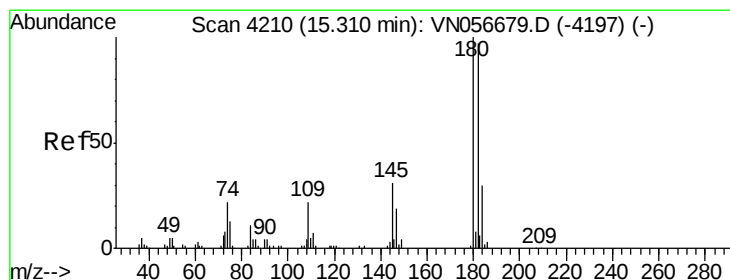
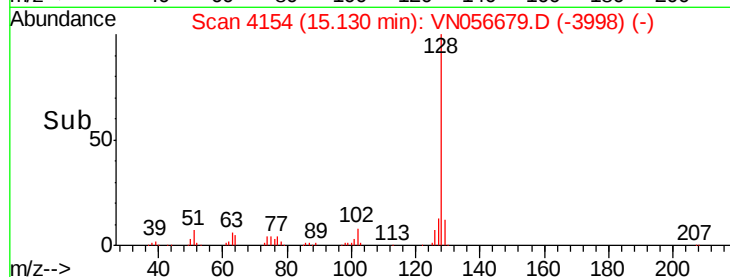
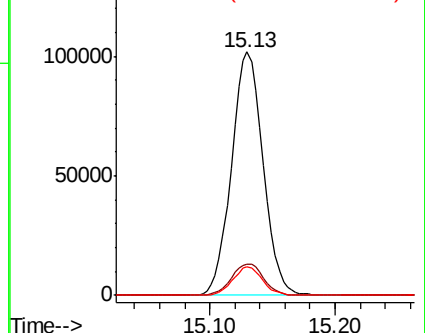
129 11.0 8.8 13.2



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: 18.610 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056679.D

Acq: 12 Jul 2019 10:36

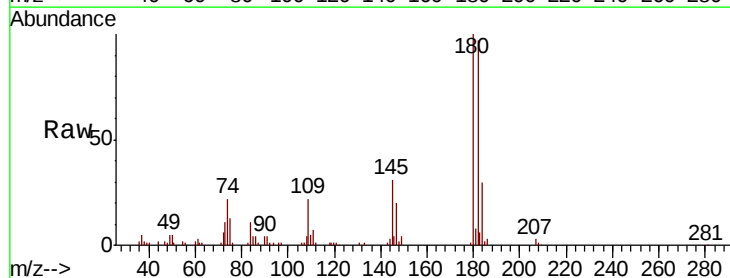
Tgt Ion:180 Resp: 75925

Ion Ratio Lower Upper

180 100

182 96.2 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

