

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056695.D
 Acq On : 12 Jul 2019 18:14
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jul 13 00:12:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	50860	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	282149	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	248867	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	104461	30.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.07%
60) 4-Bromofluorobenzene	12.40	95	112522	29.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.47%
63) Toluene-d8	10.09	98	343799	30.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	57695	19.963	ug/l 99
3) Chloromethane	2.06	50	78004	20.181	ug/l 98
4) Vinyl Chloride	2.18	62	75957	19.980	ug/l 98
5) Bromomethane	2.55	94	47173	19.686	ug/l 98
6) Chloroethane	2.69	64	44550	20.509	ug/l 96
7) Trichlorofluoromethane	3.01	101	97356	19.966	ug/l 100
8) Diethyl Ether	3.41	74	40114	20.117	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	60424	19.873	ug/l 99
10) 1,1-Dichloroethene	3.73	96	58135	19.381	ug/l 98
11) Methyl Iodide	3.95	142	75459	18.929	ug/l 97
12) Methyl Acetate	4.33	43	75221	18.733	ug/l 98
13) Acrolein	3.61	56	1027	3.628	ug/l 87
14) Acrylonitrile	4.99	53	170199	96.221	ug/l 99
15) Acetone	3.82	58	46416	76.020	ug/l 99
16) Carbon Disulfide	4.05	76	142495	18.011	ug/l 100
17) Allyl chloride	4.32	41	98305	18.735	ug/l 98
18) Methylene Chloride	4.55	84	70332	19.971	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	62797	19.555	ug/l 96
20) Diisopropyl ether	5.95	45	209842	20.070	ug/l 97
21) 1,1-Dichloroethane	5.85	63	118366	19.814	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	74766	19.911	ug/l 97
23) tert-Butyl Alcohol	4.79	59	59250	96.025	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	187397	19.587	ug/l 99
25) Chloroform	7.37	83	116425	20.004	ug/l 99
26) Cyclohexane	7.65	56	106930	19.257	ug/l # 100
29) 1,1-Dichloropropene	7.80	75	85710	19.111	ug/l 99
30) 2-Butanone	6.84	43	227468	87.599	ug/l 99
31) 2,2-Dichloropropane	6.82	77	79463	18.307	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	94420	19.750	ug/l 99
33) Carbon Tetrachloride	7.77	117	80138	19.480	ug/l 96
34) Benzene	8.04	78	277592	20.144	ug/l 98
35) Methacrylonitrile	7.17	41	32625	16.446	ug/l 98
36) 1,2-Dichloroethane	8.12	62	89151	20.140	ug/l 99
37) Trichloroethene	8.83	130	71560	19.120	ug/l 97
38) Methylcyclohexane	9.08	83	106911	18.869	ug/l 98
39) 1,2-Dichloropropane	9.12	63	72265	19.537	ug/l 99
40) Dibromomethane	9.21	93	45515	19.319	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	85559	19.705	ug/l	99
42) Vinyl Acetate	5.90	43	850431	98.404	ug/l	100
43) Ethyl Acetate	6.93	43	92881	19.794	ug/l	97
44) Isopropyl Acetate	8.17	43	140795	19.237	ug/l #	88
45) 1,4-Dioxane	9.20	88	28772	388.588	ug/l	99
46) Methyl methacrylate	9.20	41	67957	19.328	ug/l	98
47) n-amyl Acetate	12.07	43	110735	18.500	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	85335	17.867	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	102766	19.073	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	67574	19.687	ug/l	97
51) Ethyl methacrylate	10.43	69	98656	18.686	ug/l	98
52) 1,3-Dichloropropane	10.71	76	115145	20.049	ug/l	100
53) Dibromochloromethane	10.90	129	66260	19.101	ug/l	99
54) 1,2-Dibromoethane	11.00	107	68709	19.261	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	261739	102.519	ug/l	99
56) Bromoform	12.13	173	46455	18.090	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	460441	98.300	ug/l	100
59) 2-Hexanone	10.75	43	329111	92.563	ug/l	100
61) Tetrachloroethene	10.63	164	73046	20.427	ug/l	99
62) Toluene	10.16	91	293910	20.107	ug/l	98
64) Chlorobenzene	11.43	112	176212	19.765	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	63650	19.474	ug/l	99
66) Ethyl Benzene	11.51	91	305878	19.359	ug/l	98
67) m/p-Xylenes	11.62	106	230721	38.694	ug/l	99
68) o-Xylene	11.95	106	112361	19.320	ug/l	100
69) Styrene	11.96	104	185641	19.263	ug/l	99
70) Isopropylbenzene	12.25	105	299810	19.666	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	96914	19.586	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	113206	26.769	ug/l	66
73) Bromobenzene	12.52	156	76532	19.211	ug/l	99
74) n-propylbenzene	12.59	91	324069	18.842	ug/l	99
75) 2-Chlorotoluene	12.67	91	204527	19.745	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	254129	19.544	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	22892	16.284	ug/l	100
78) 4-Chlorotoluene	12.77	91	185372	18.455	ug/l	99
79) tert-butylbenzene	12.99	119	214666	19.406	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	250505	19.425	ug/l	99
81) sec-Butylbenzene	13.17	105	282147	19.270	ug/l	99
82) p-Isopropyltoluene	13.29	119	254958	19.147	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	124249	18.713	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	114750	18.029	ug/l	99
85) n-Butylbenzene	13.61	91	195436	17.794	ug/l	100
86) Hexachloroethane	13.87	117	38385	18.372	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	126837	19.009	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15692	18.382	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	60450	16.843	ug/l	97
90) Hexachlorobutadiene	15.01	225	42265	18.112	ug/l	98
91) Naphthalene	15.13	128	151805	15.726	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	64217	17.064	ug/l	96

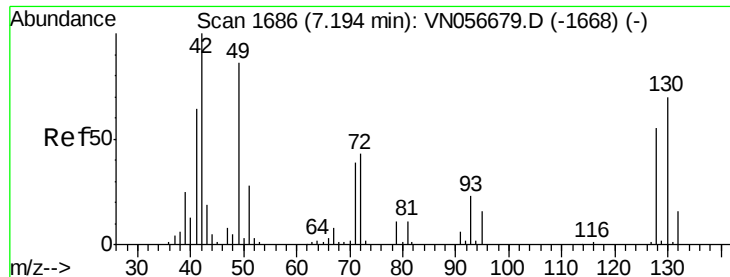
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

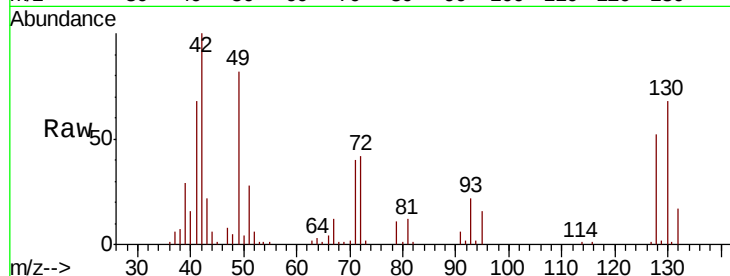
Tot Ion:128 Resp: 50860

Ion Ratio Lower Upper

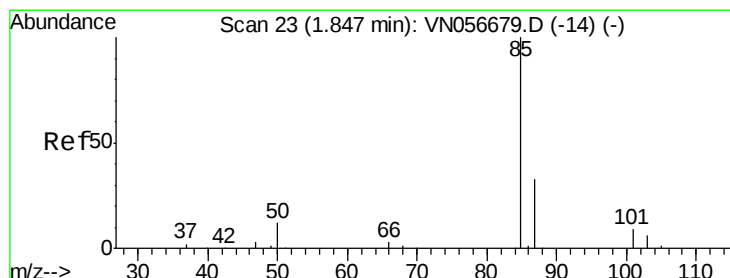
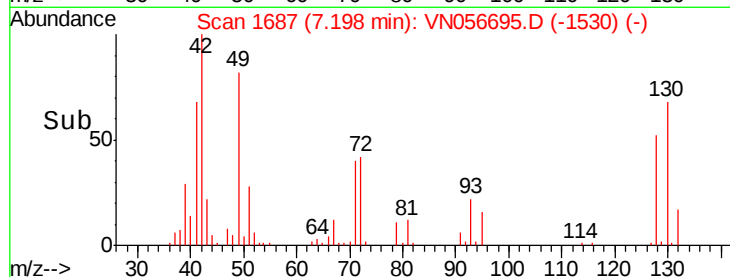
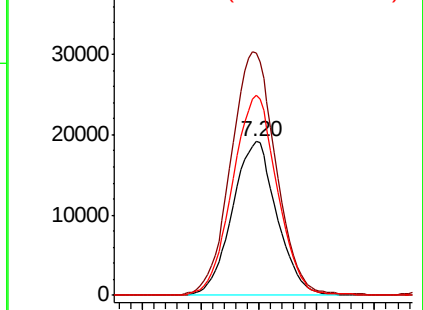
128 100

49 161.3 0.0 390.5

130 131.3 0.0 316.5



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



#2

Dichlorodifluoromethane

Concen: 19.963 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056695.D

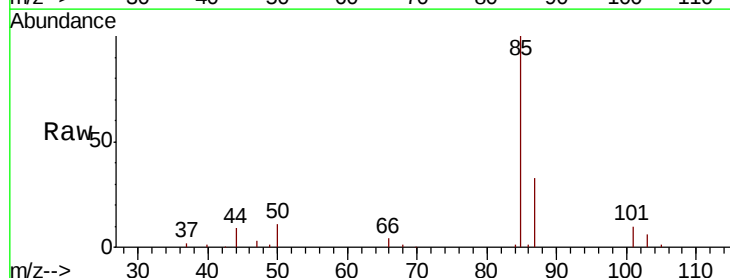
Acq: 12 Jul 2019 18:14

Tgt Ion: 85 Resp: 57695

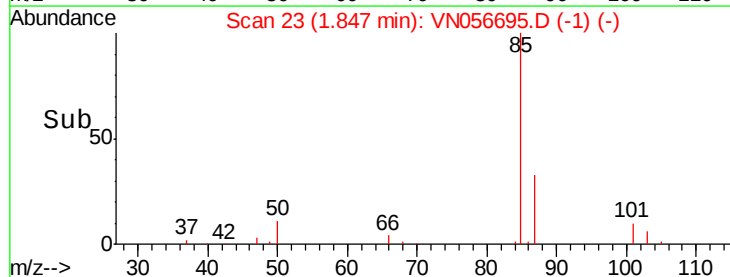
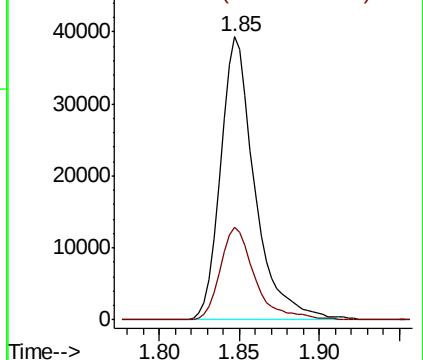
Ion Ratio Lower Upper

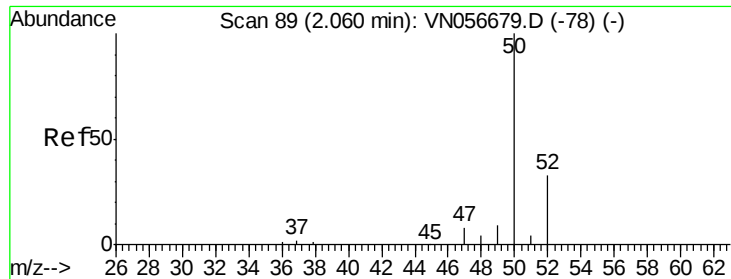
85 100

87 32.7 16.8 50.3



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

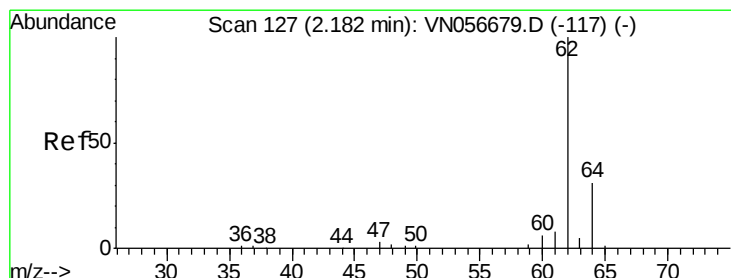
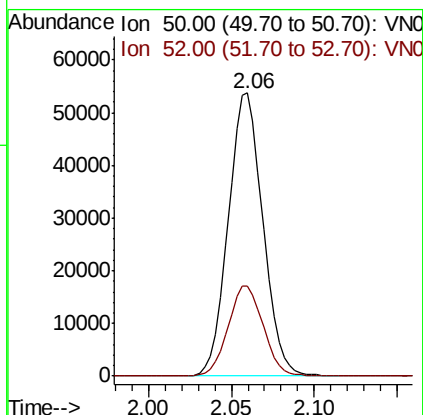
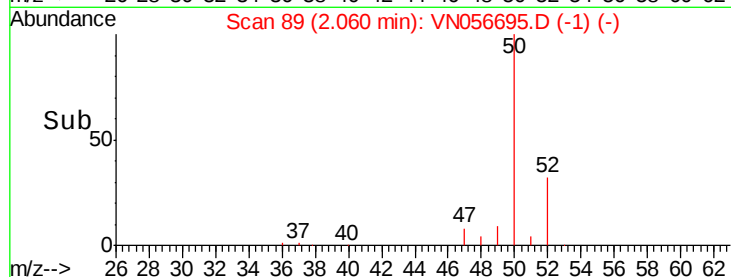
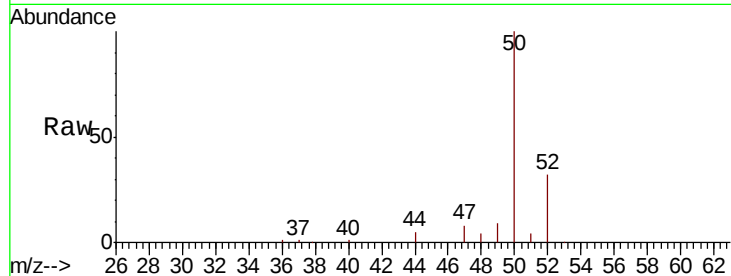




#3
Chloromethane
Concen: 20.181 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

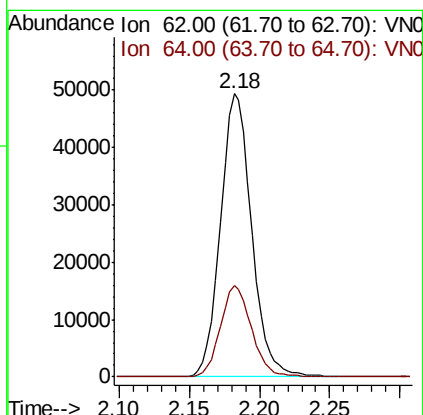
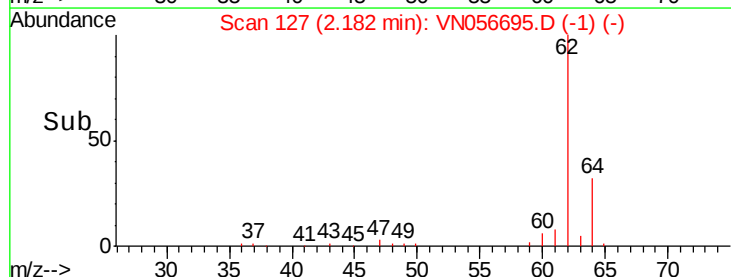
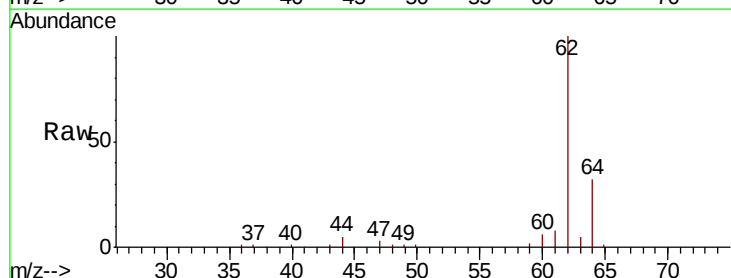
Instrument :
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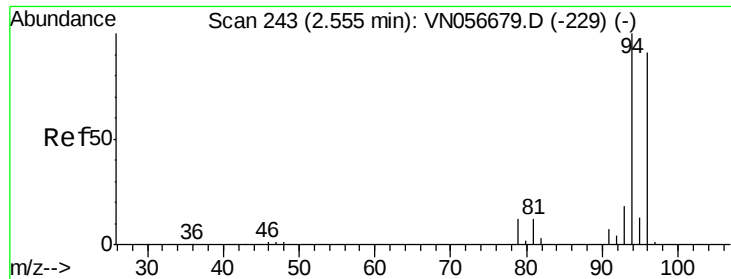
Tot Ion: 50 Resp: 78004
Ion Ratio Lower Upper
50 100
52 31.7 26.5 39.7



#4
Vinyl Chloride
Concen: 19.980 ug/l
RT: 2.18 min Scan# 127
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 62 Resp: 75957
Ion Ratio Lower Upper
62 100
64 32.1 25.0 37.4





#5

Bromomethane

Concen: 19.686 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

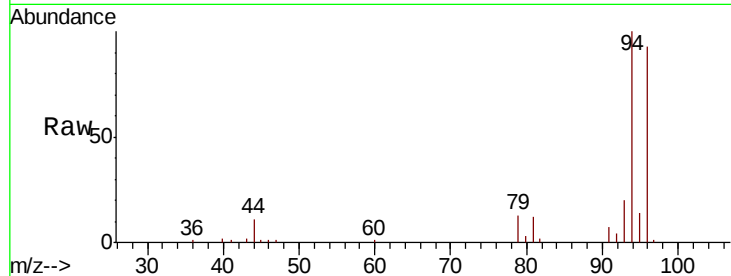
VSTDCCC020EC

Tot Ion: 94 Resp: 47173

Ion Ratio Lower Upper

94 100

96 92.6 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

25000

20000

15000

10000

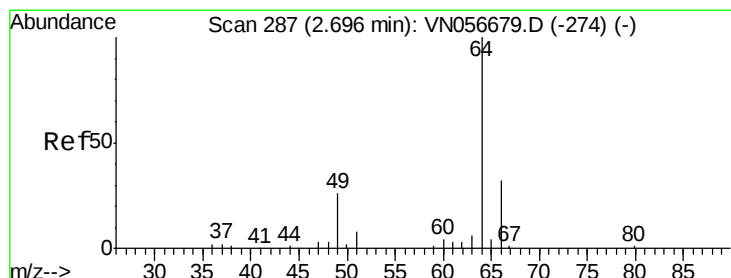
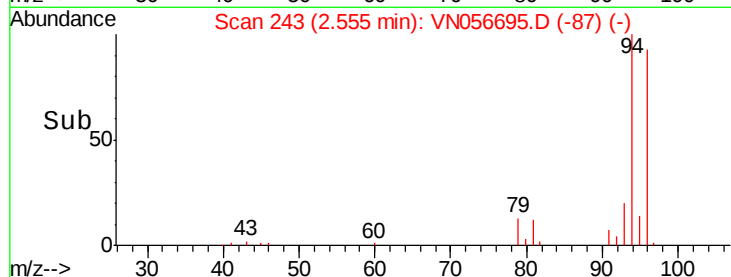
5000

0

Time-->

2.45 2.50 2.55 2.60 2.65

2.55



#6

Chloroethane

Concen: 20.509 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.00 min

Lab File: VN056695.D

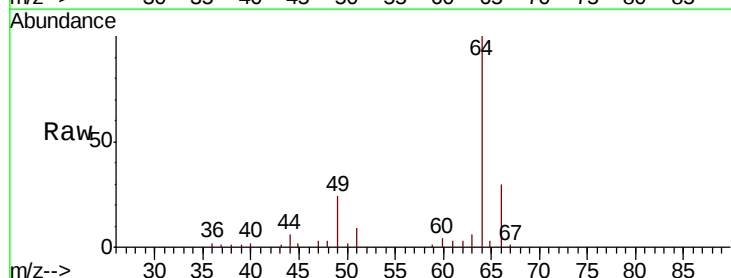
Acq: 12 Jul 2019 18:14

Tgt Ion: 64 Resp: 44550

Ion Ratio Lower Upper

64 100

66 29.9 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

25000

20000

15000

10000

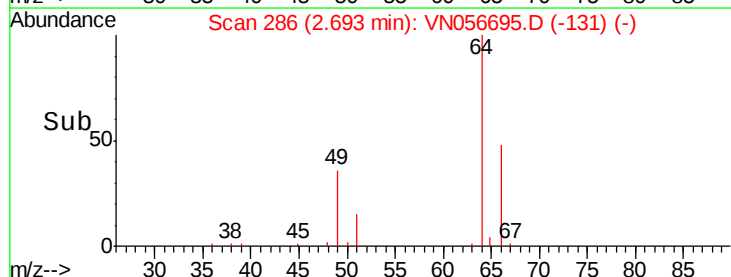
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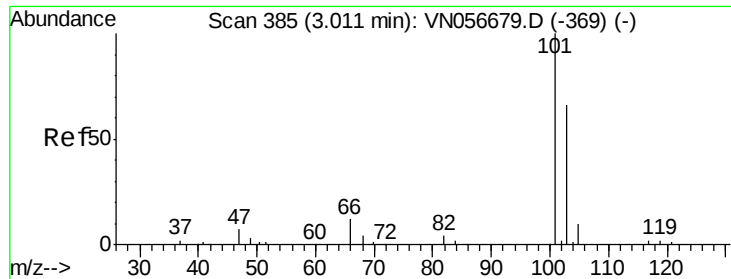
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Time-->

2.65 2.70 2.75

2.69



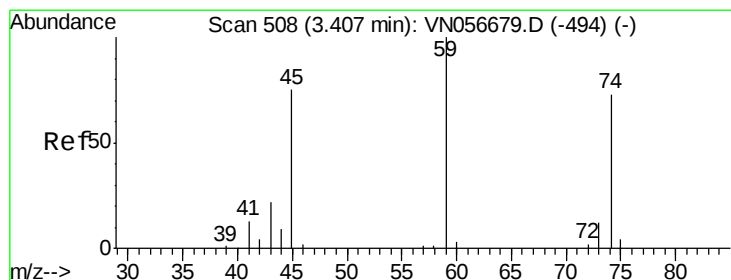
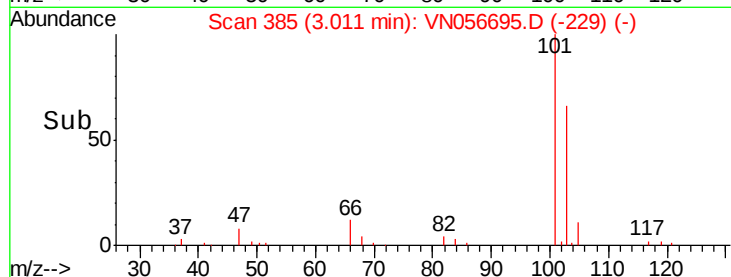
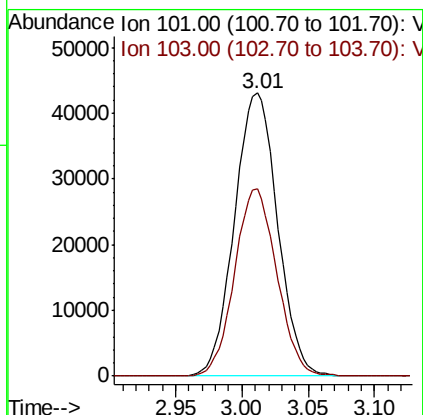
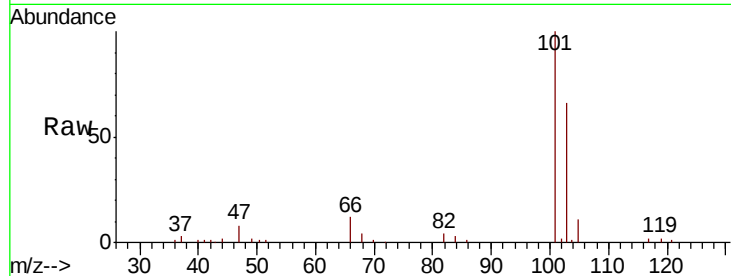


#7

Trichlorofluoromethane
 Concen: 19.966 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

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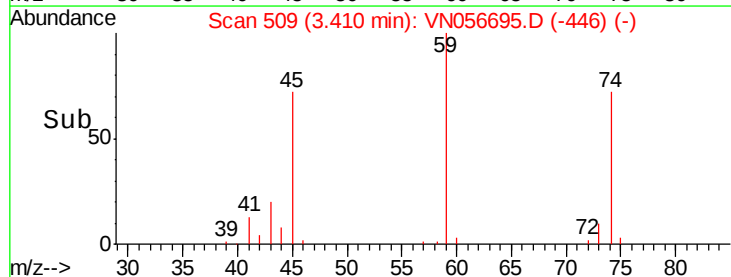
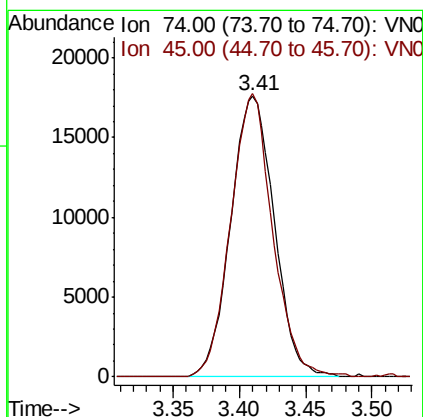
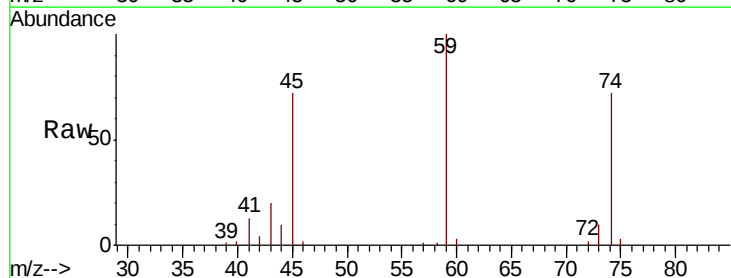
Tot Ion:101 Resp: 97356
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.8 79.2

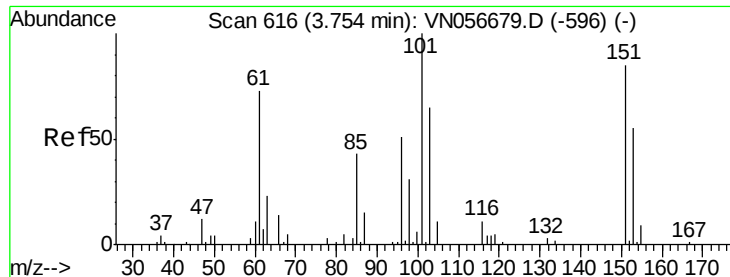


#8

Diethyl Ether
 Concen: 20.117 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion: 74 Resp: 40114
 Ion Ratio Lower Upper
 74 100
 45 97.3 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.873 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

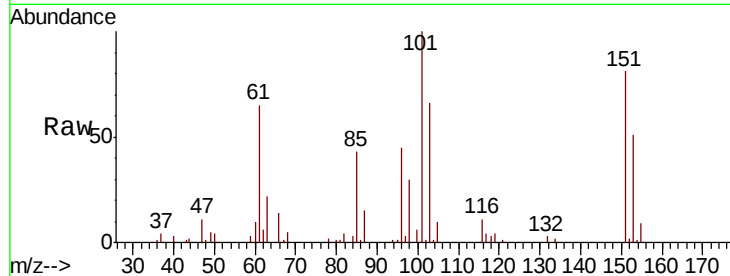
Tot Ion:101 Resp: 60424

Ion Ratio Lower Upper

101 100

85 41.3 0.0 84.2

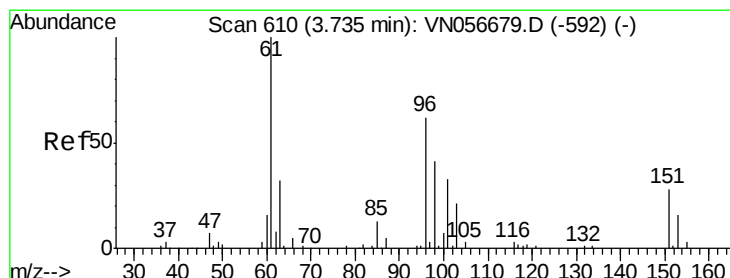
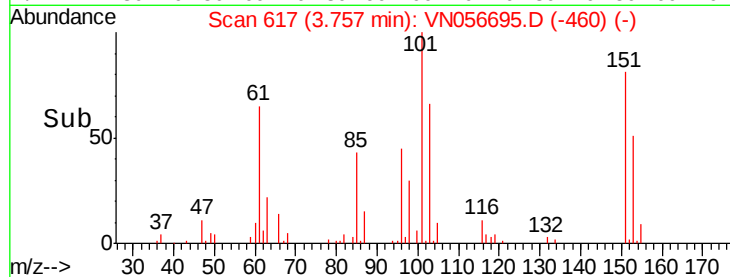
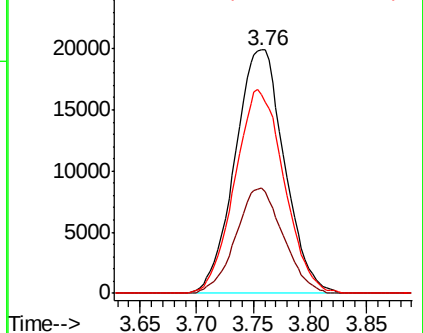
151 83.4 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.381 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

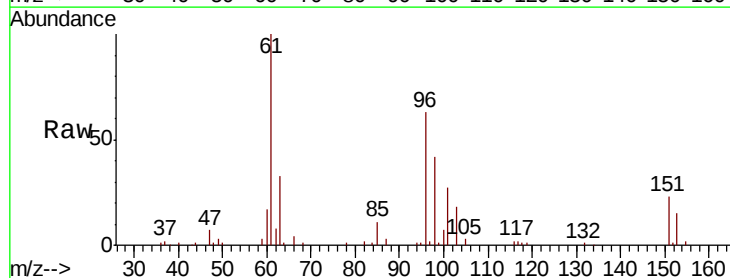
Tgt Ion: 96 Resp: 58135

Ion Ratio Lower Upper

96 100

61 159.9 129.0 193.4

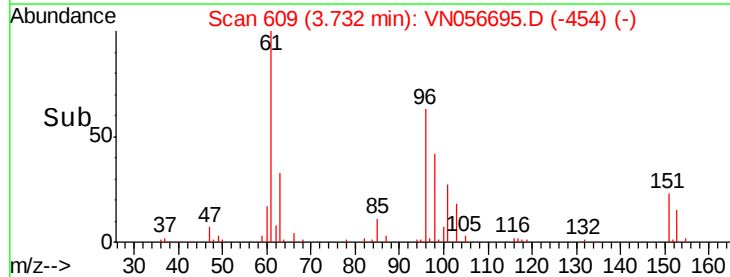
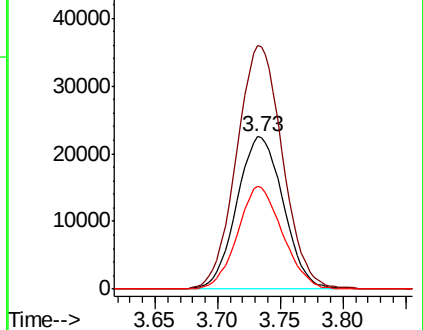
98 67.9 52.5 78.7

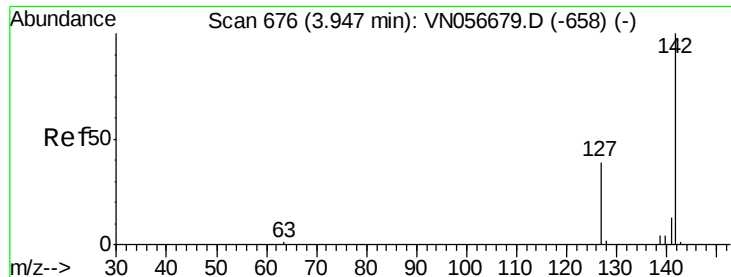


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

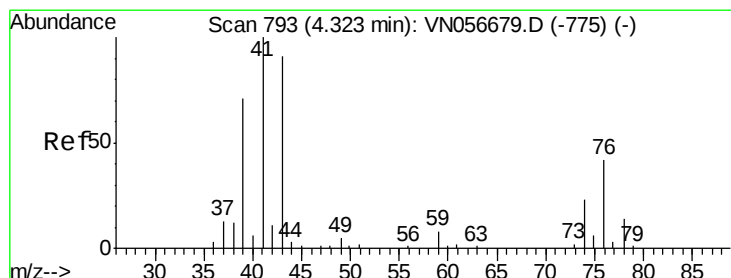
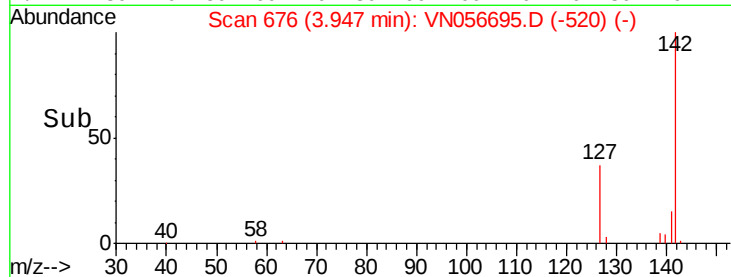
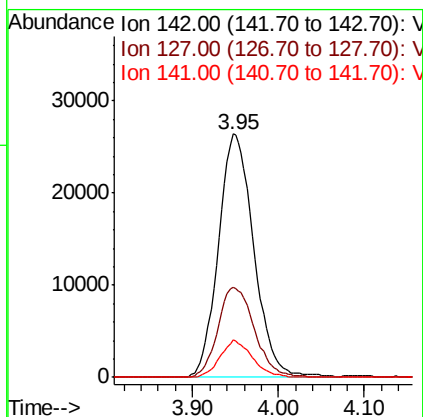
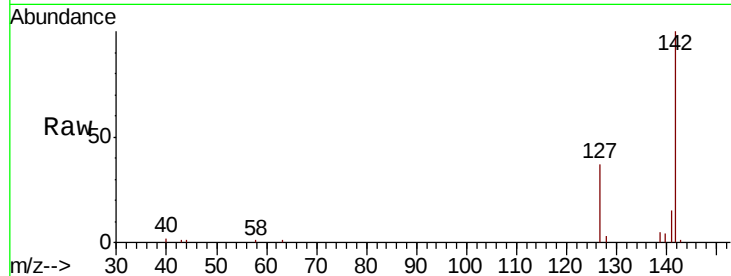




#11
Methyl Iodide
Concen: 18.929 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

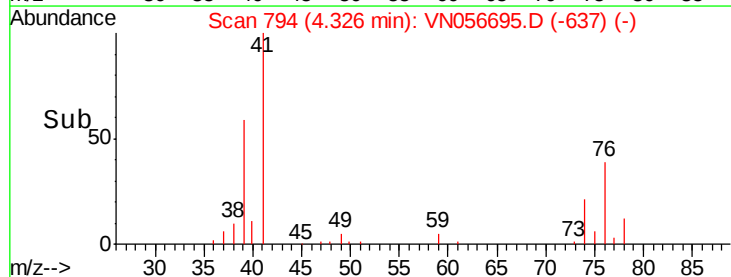
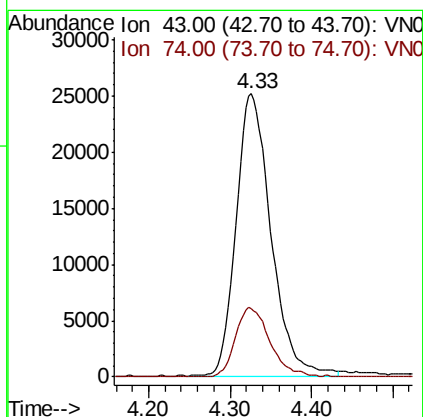
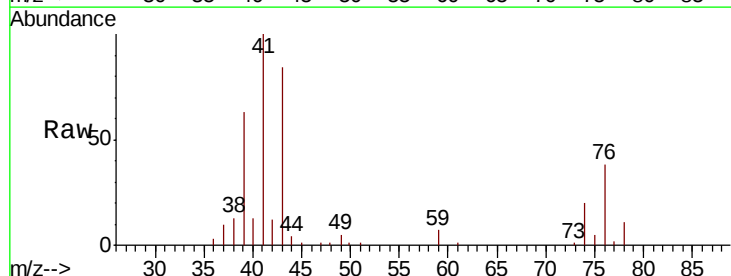
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

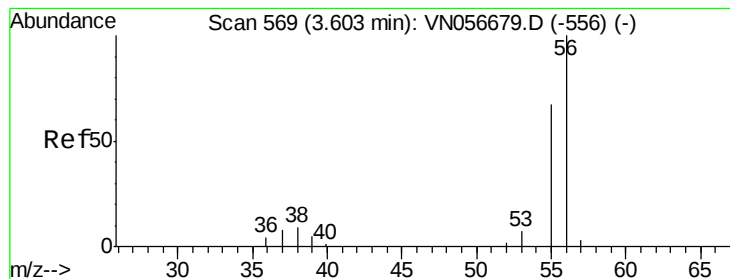
Tot Ion:142 Resp: 75459
Ion Ratio Lower Upper
142 100
127 37.1 19.5 58.5
141 15.3 6.8 20.3



#12
Methyl Acetate
Concen: 18.733 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 43 Resp: 75221
Ion Ratio Lower Upper
43 100
74 24.3 20.2 30.4





#13

Acrolein

Concen: 3.628 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

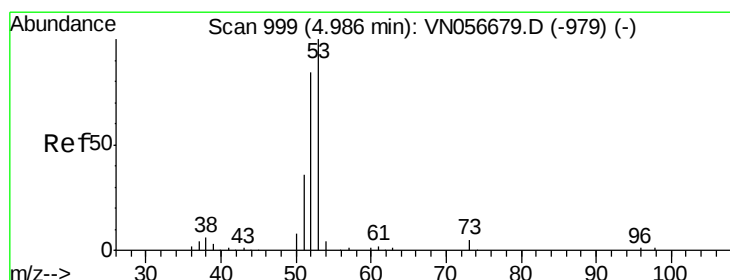
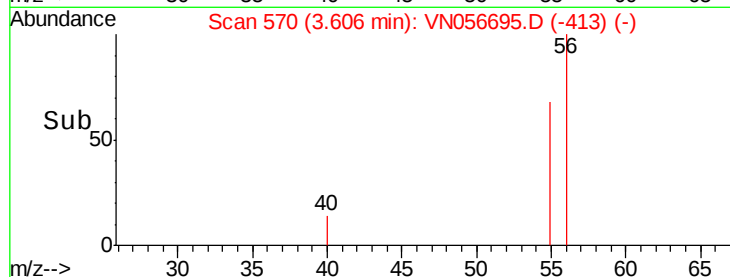
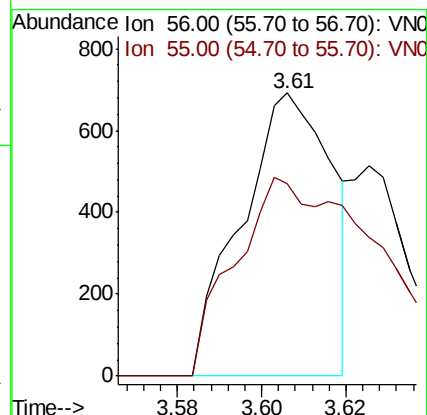
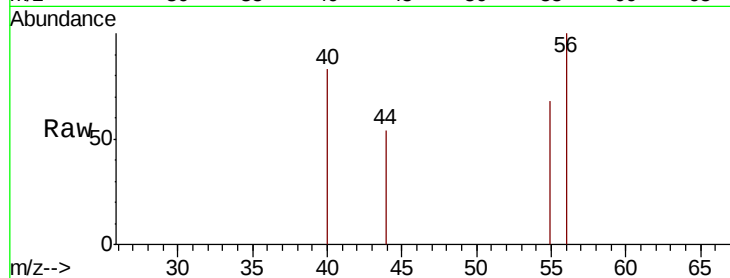
VSTDCCC020EC

Tot Ion: 56 Resp: 1027

Ion Ratio Lower Upper

56 100

55 60.1 56.9 85.3



#14

Acrylonitrile

Concen: 96.221 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

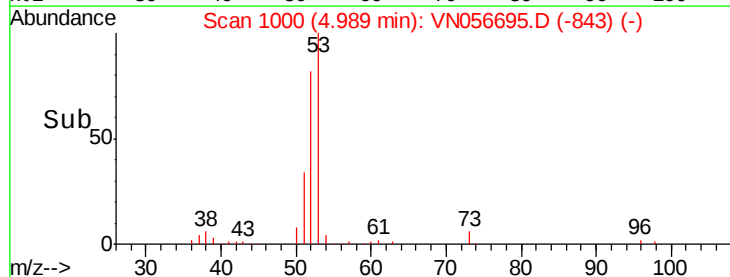
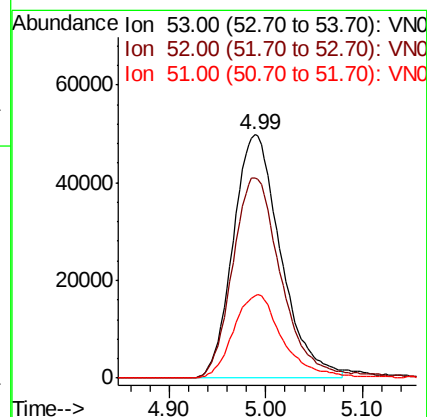
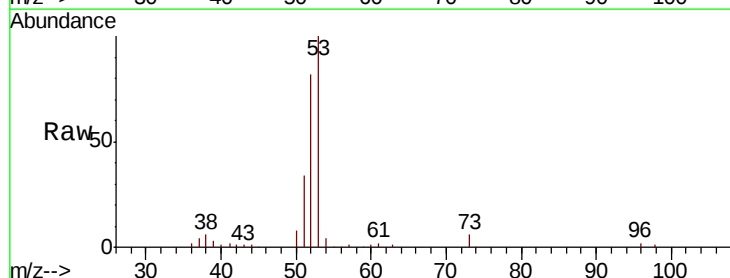
Tgt Ion: 53 Resp: 170199

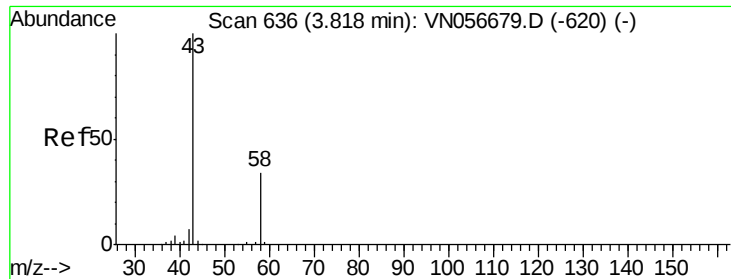
Ion Ratio Lower Upper

53 100

52 83.5 41.3 123.7

51 35.5 17.7 53.1





#15

Acetone

Concen: 76.020 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

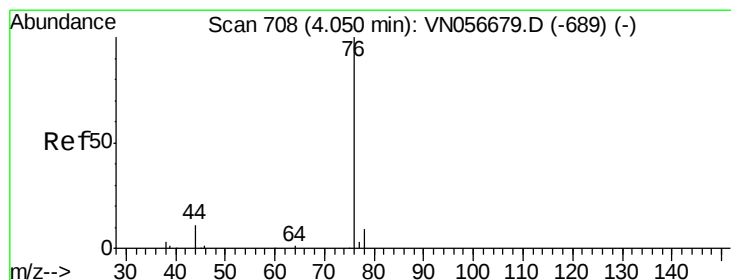
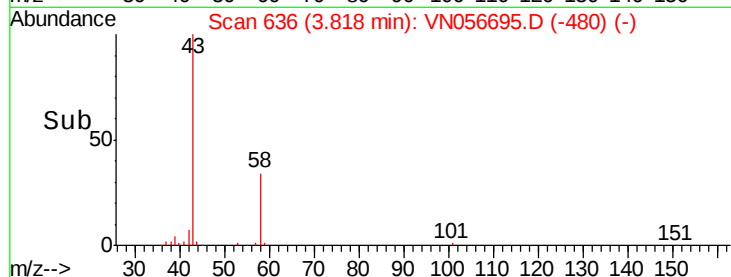
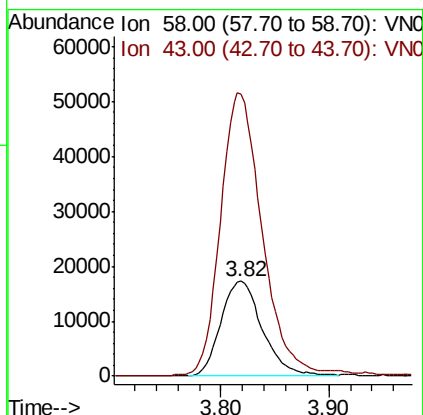
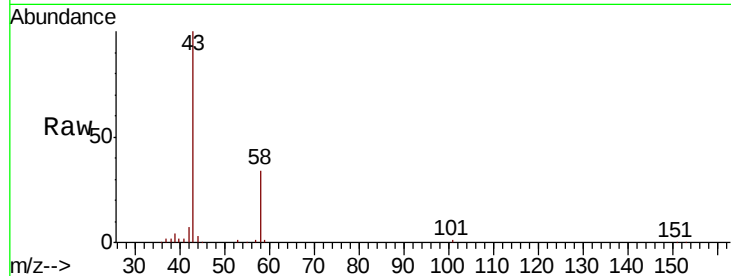
VSTDCCC020EC

Tot Ion: 58 Resp: 46416

Ion Ratio Lower Upper

58 100

43 294.3 233.9 350.9



#16

Carbon Disulfide

Concen: 18.011 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056695.D

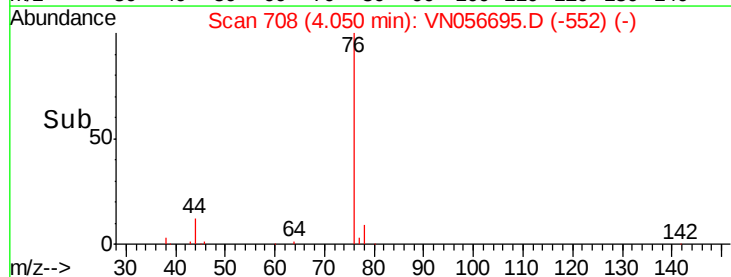
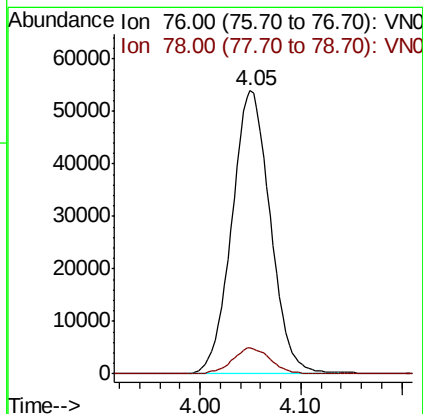
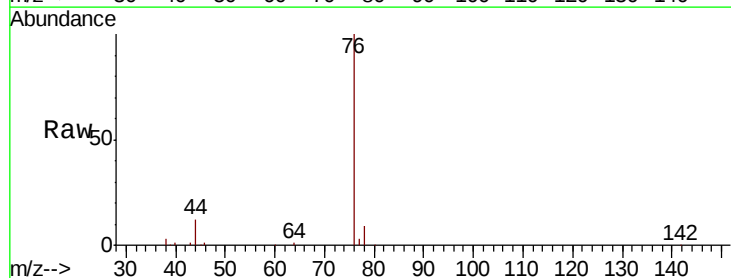
Acq: 12 Jul 2019 18:14

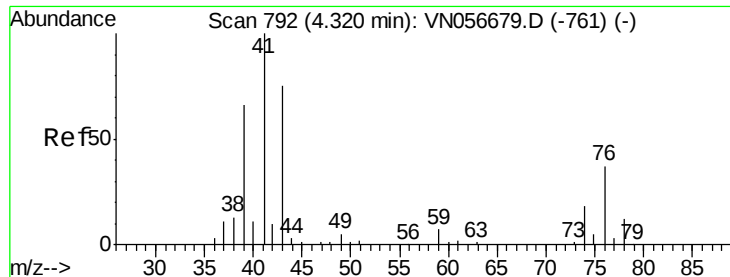
Tgt Ion: 76 Resp: 142495

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

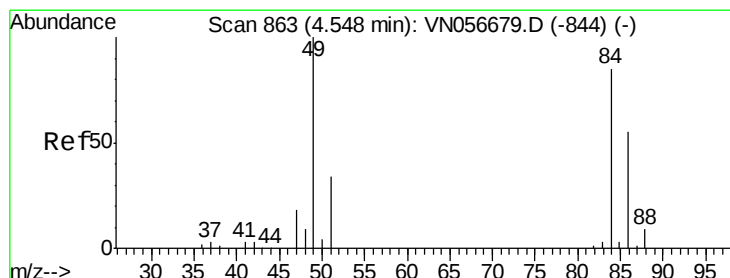
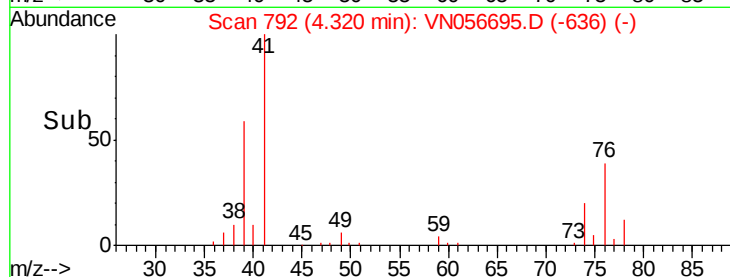
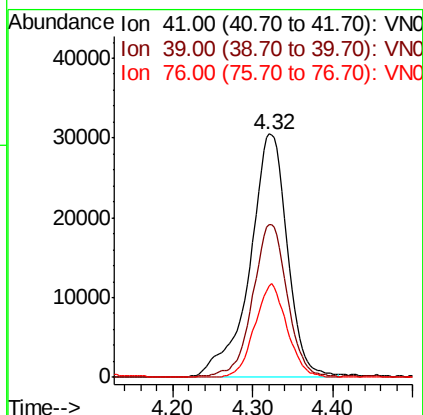
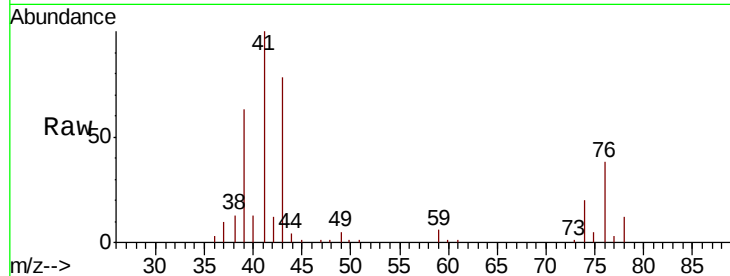




#17
Allvl chloride
Concen: 18.735 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

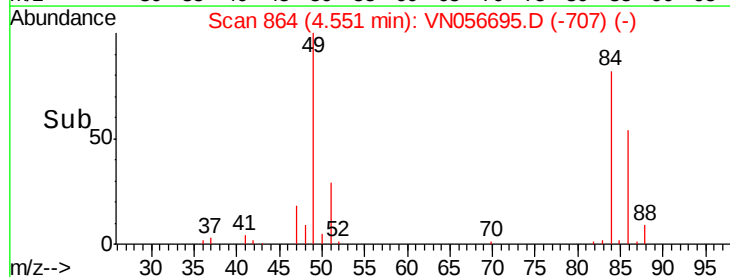
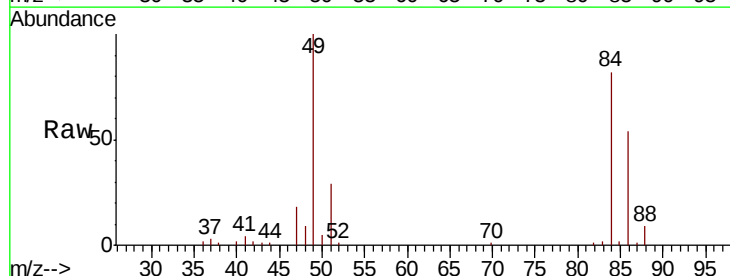
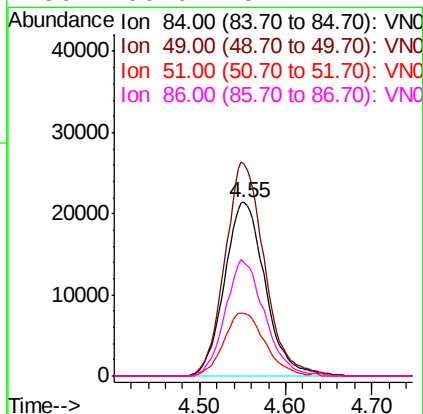
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

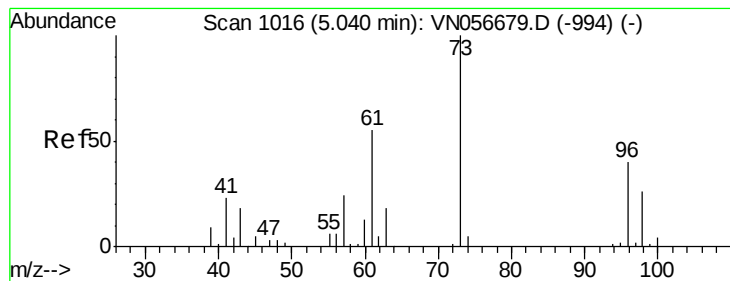
Tot Ion: 41 Resp: 98305
Ion Ratio Lower Upper
41 100
39 63.0 32.8 98.4
76 37.5 18.5 55.5



#18
Methylene Chloride
Concen: 19.971 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 84 Resp: 70332
Ion Ratio Lower Upper
84 100
49 122.4 93.9 140.9
51 35.9 31.7 47.5
86 66.0 51.4 77.2



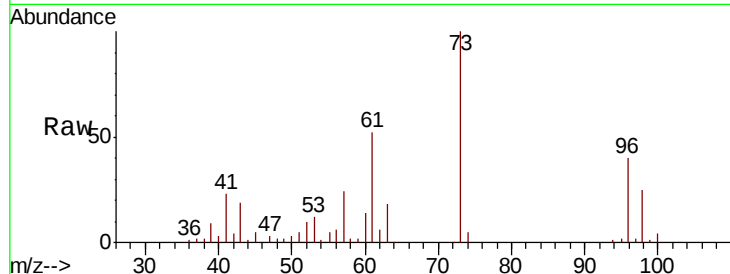


#19

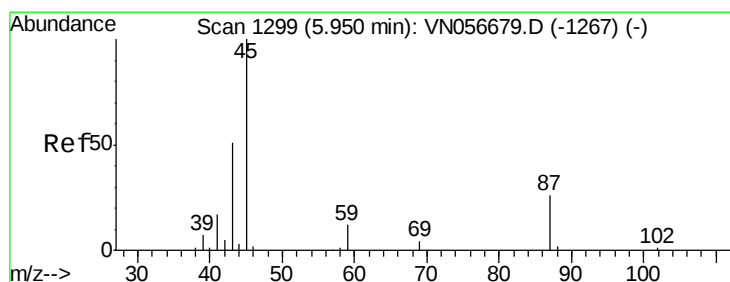
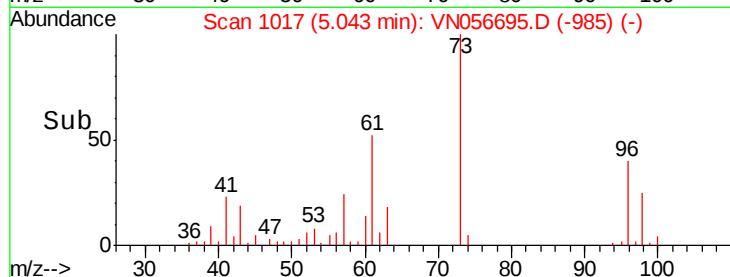
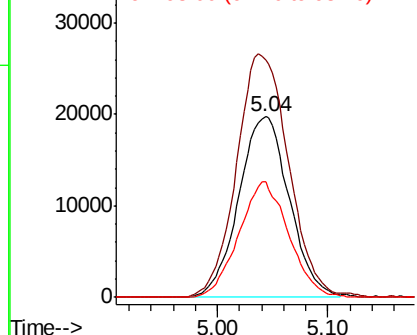
trans-1,2-Dichloroethene
Concen: 19.555 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 62797
Ion Ratio Lower Upper
96 100
61 130.4 109.6 164.4
98 64.0 51.4 77.2



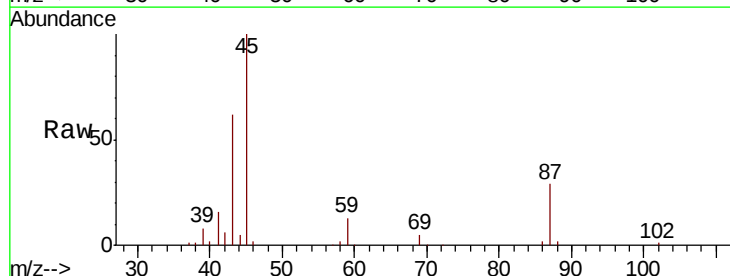
Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0



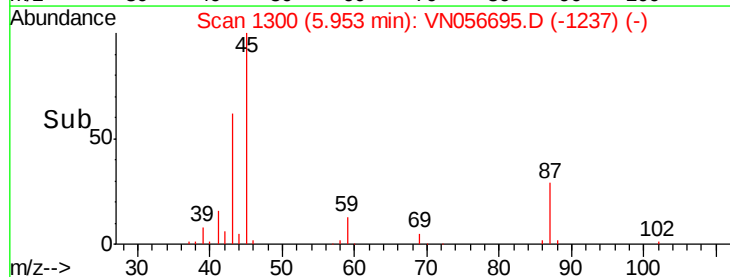
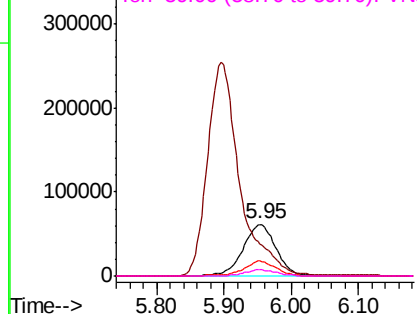
#20

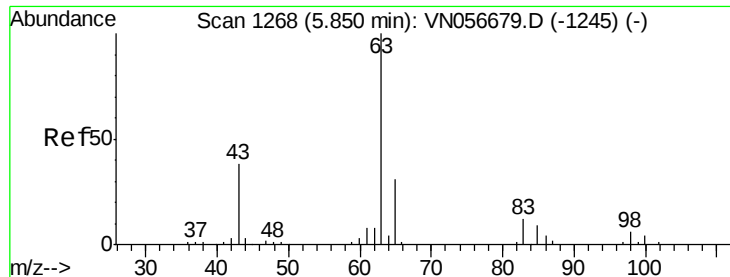
Diisopropyl ether
Concen: 20.070 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 45 Resp: 209842
Ion Ratio Lower Upper
45 100
43 60.3 50.3 75.5
87 28.9 21.4 32.0
59 12.6 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

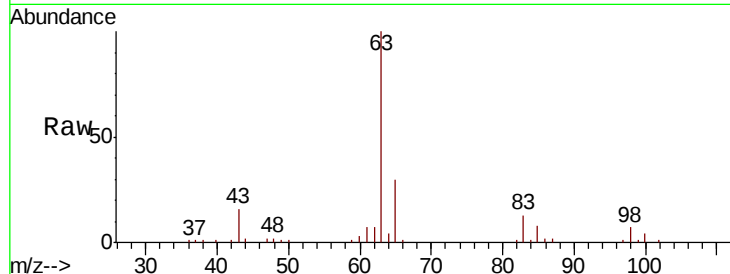




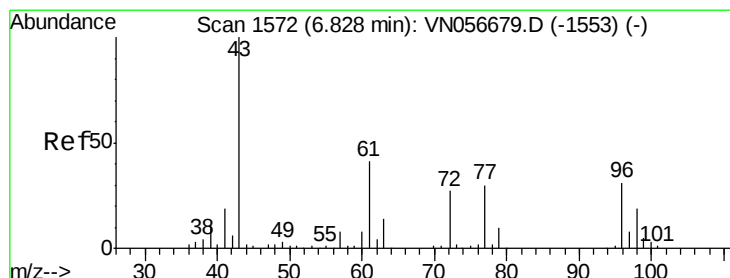
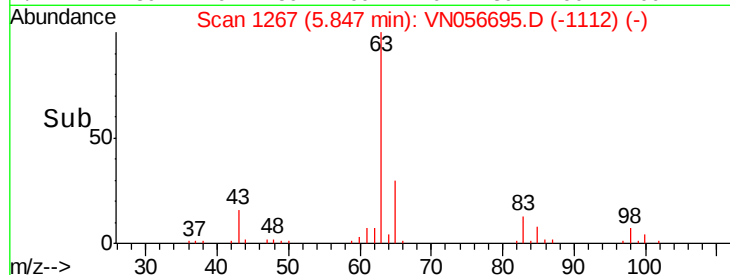
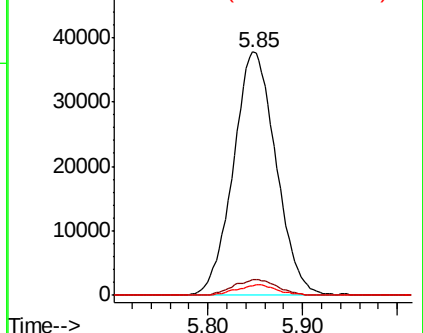
#21
 1,1-Dichloroethane
 Concen: 19.814 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 118366
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.0 2.1 6.3

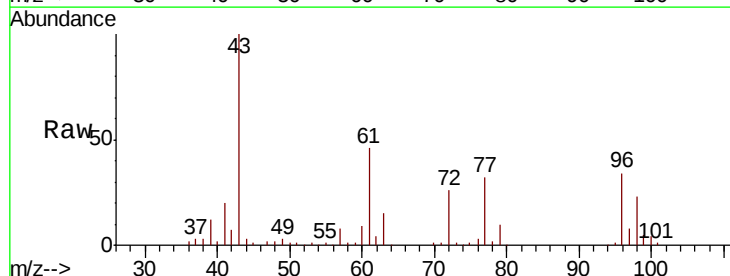


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

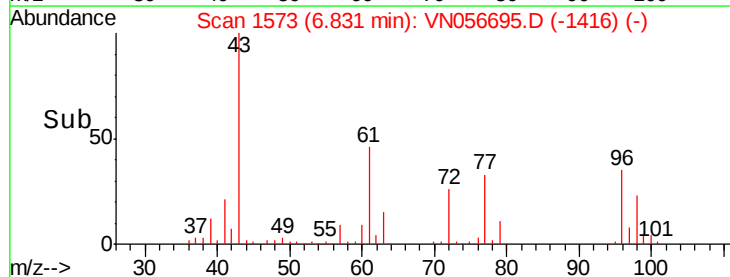
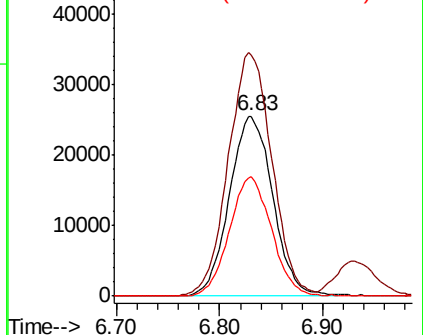


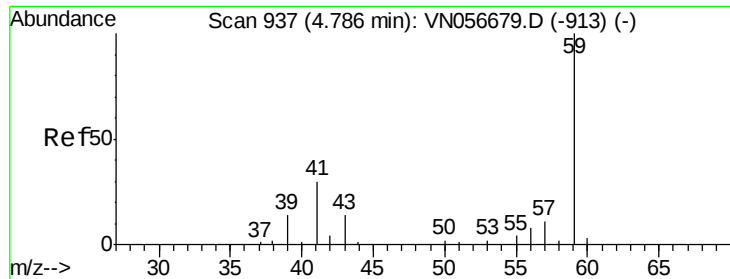
#22
 cis-1,2-Dichloroethene
 Concen: 19.911 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion: 96 Resp: 74766
 Ion Ratio Lower Upper
 96 100
 61 136.3 112.1 168.1
 98 64.2 52.2 78.2



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



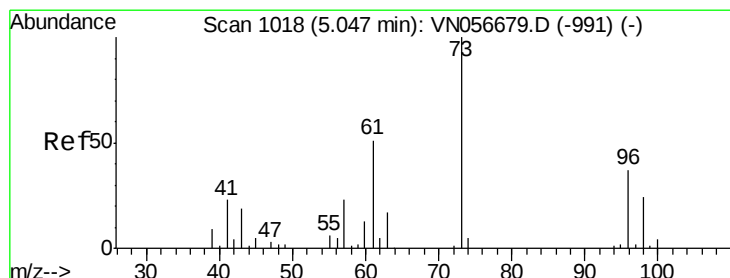
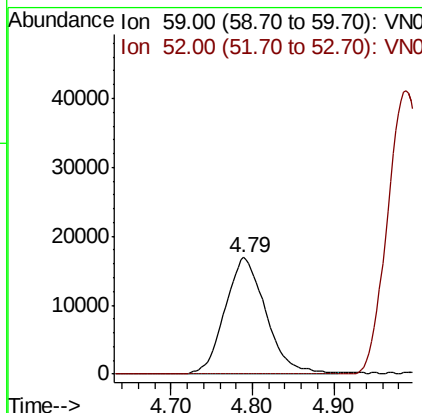
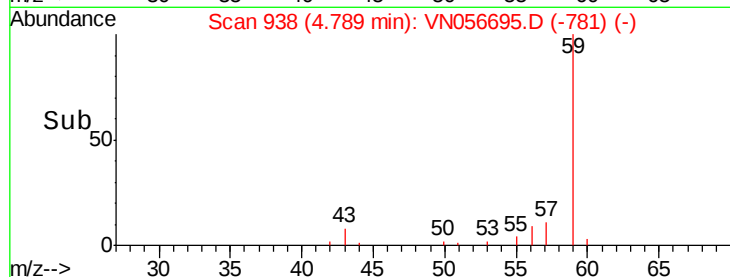
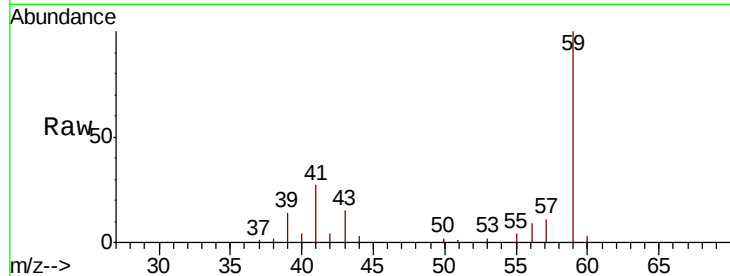


#23

tert-Butyl Alcohol
 Concen: 96.025 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

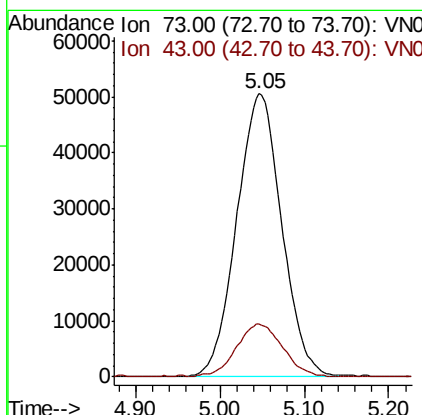
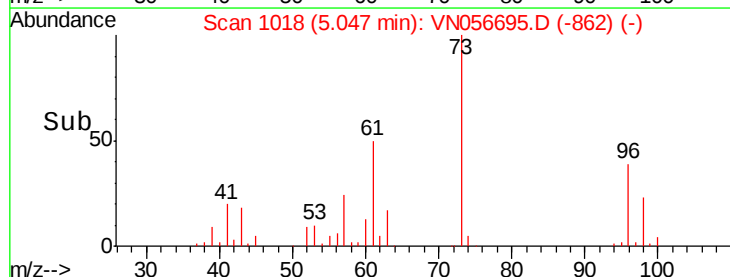
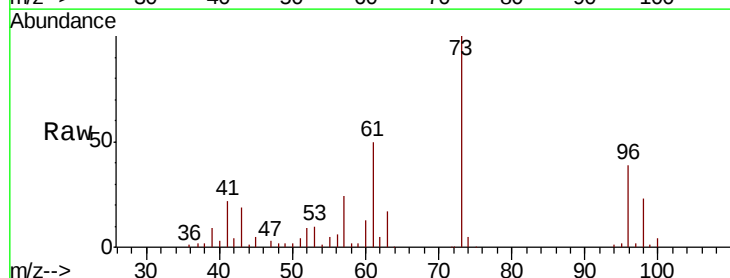
Tot Ion: 59 Resp: 59250
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

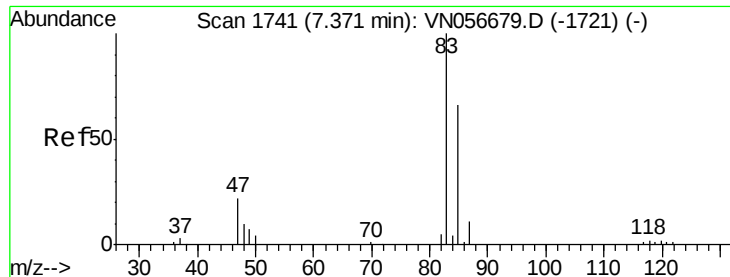


#24

Methyl tert-Butyl Ether
 Concen: 19.587 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion: 73 Resp: 187397
 Ion Ratio Lower Upper
 73 100
 43 19.3 15.1 22.7

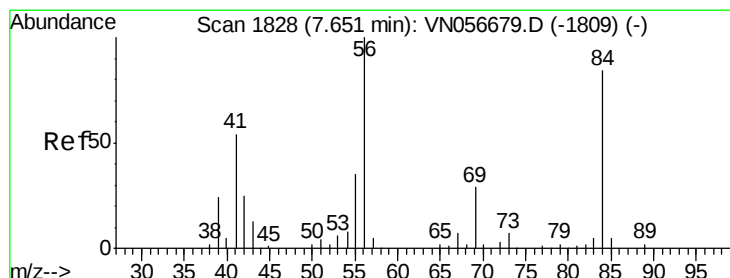
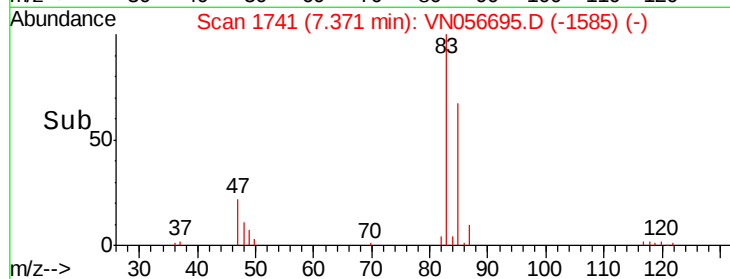
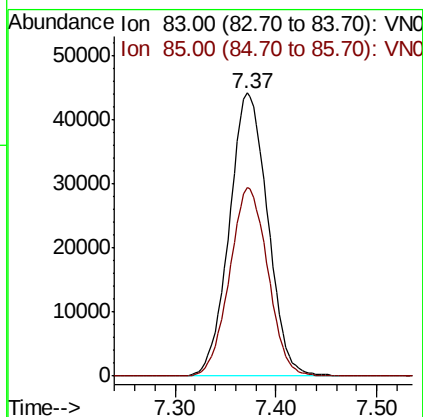
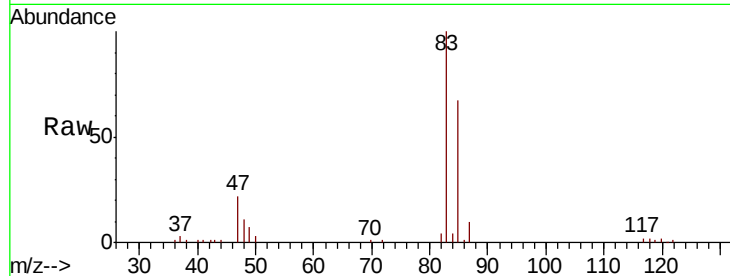




#25
Chloroform
Concen: 20.004 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

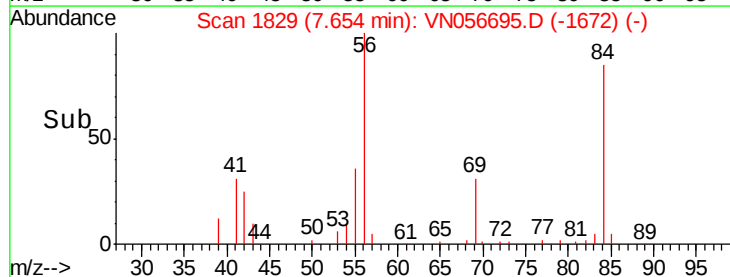
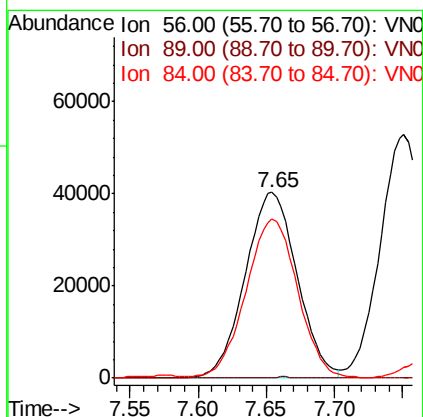
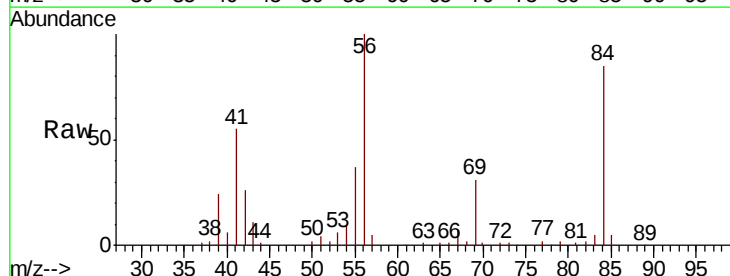
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

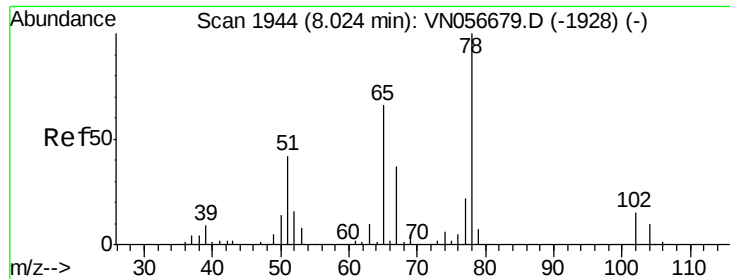
Tot Ion: 83 Resp: 116425
Ion Ratio Lower Upper
83 100
85 66.8 52.6 79.0



#26
Cyclohexane
Concen: 19.257 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 56 Resp: 106930
Ion Ratio Lower Upper
56 100
89 0.1 1.4 2.2#
84 85.4 68.2 102.4

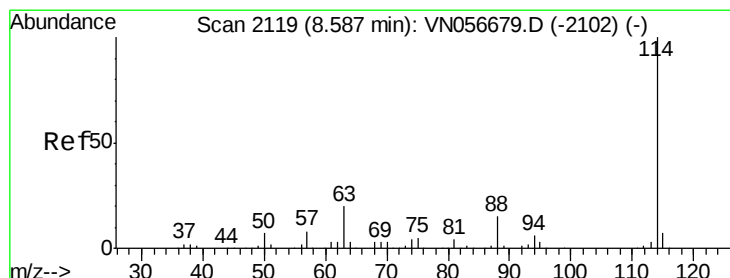
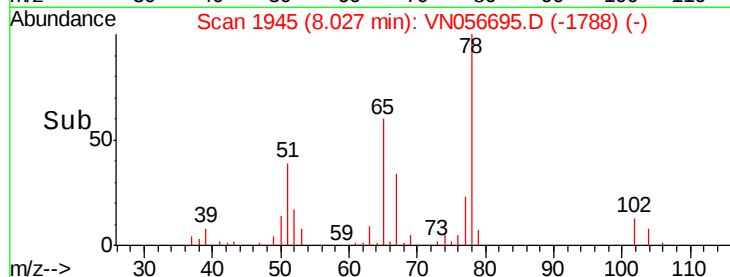
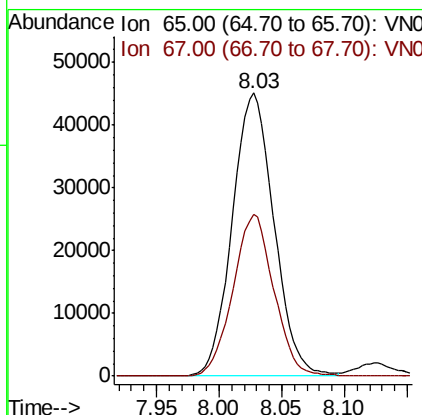
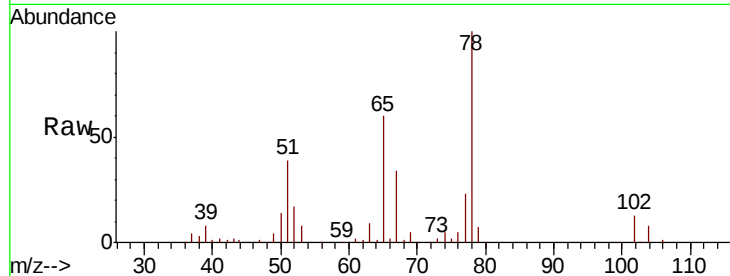




#27
 1,2-Dichloroethane-d4
 Concen: 30.321 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

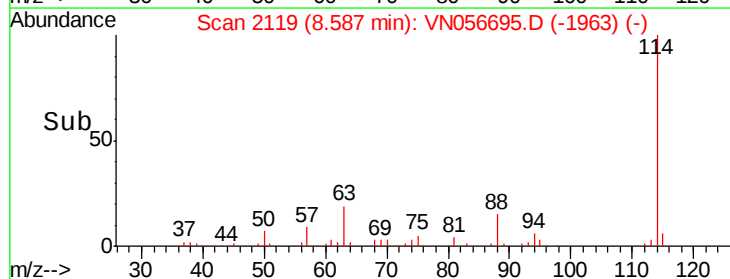
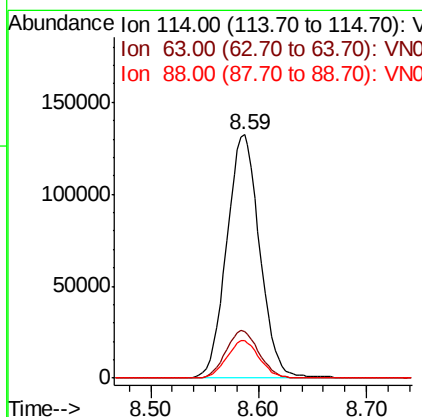
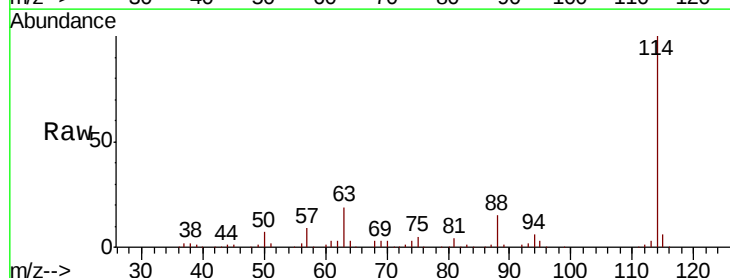
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

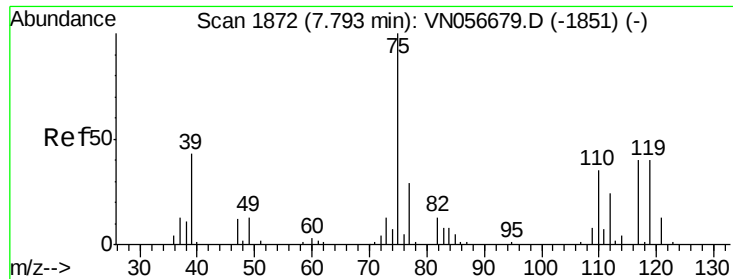
Tot Ion: 65 Resp: 104461
 Ion Ratio Lower Upper
 65 100
 67 55.9 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion: 114 Resp: 282149
 Ion Ratio Lower Upper
 114 100
 63 19.6 16.2 24.2
 88 15.2 12.3 18.5

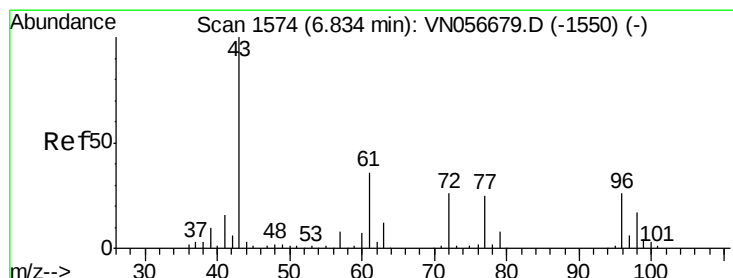
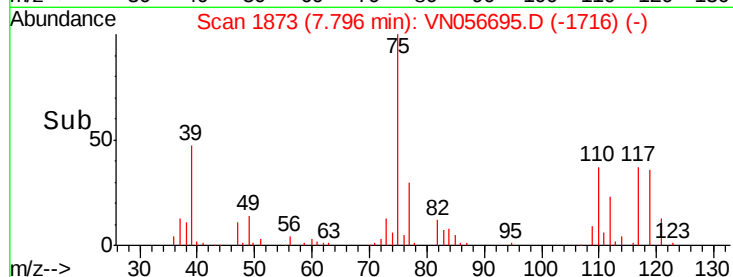
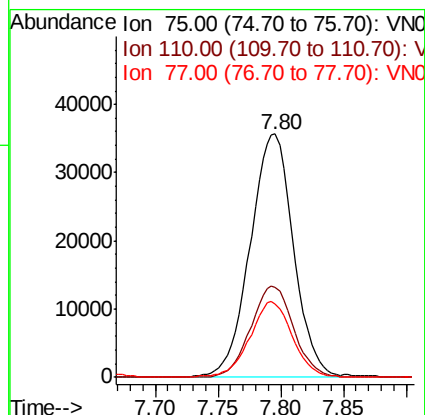
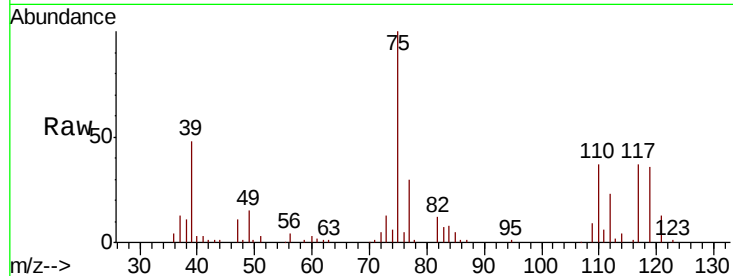




#29
 1,1-Dichloropropene
 Concen: 19.111 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

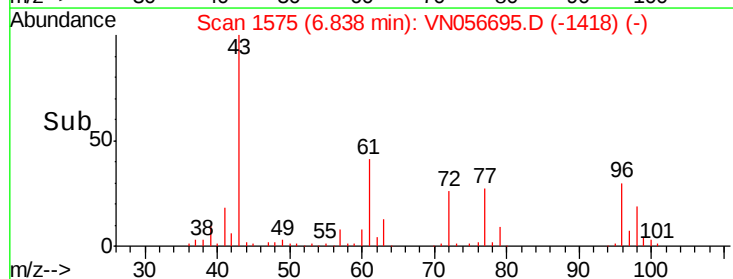
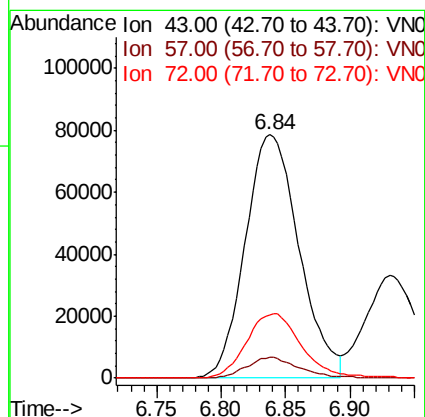
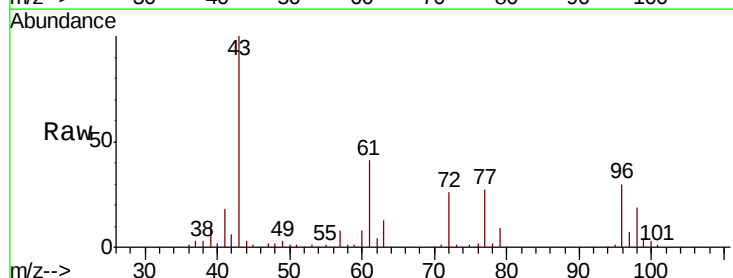
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

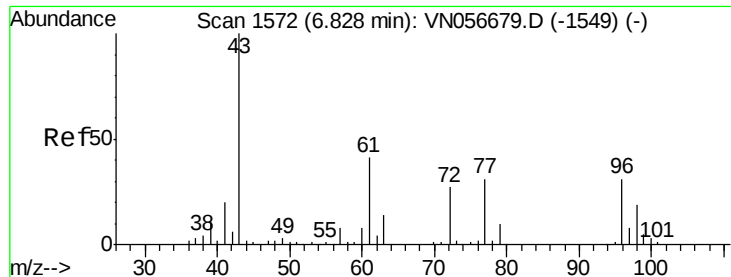
Tot Ion: 75 Resp: 85710
 Ion Ratio Lower Upper
 75 100
 110 36.9 0.0 72.4
 77 30.7 0.0 62.2



#30
 2-Butanone
 Concen: 87.599 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion: 43 Resp: 227468
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.6 10.0
 72 27.5 21.3 31.9





#31

2,2-Dichloropropane

Concen: 18.307 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

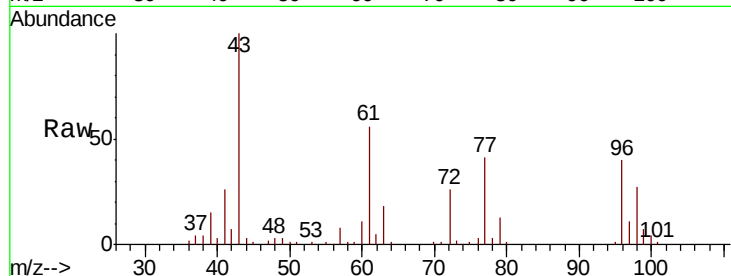
VSTDCCC020EC

Tot Ion: 77 Resp: 79463

Ion Ratio Lower Upper

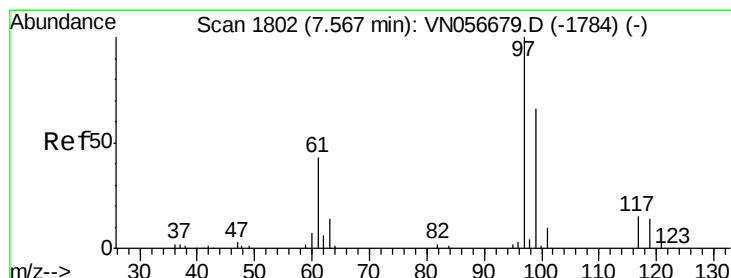
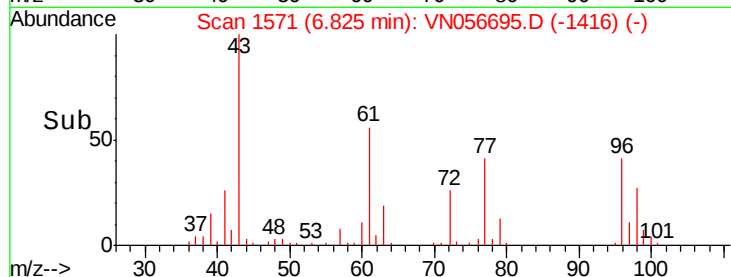
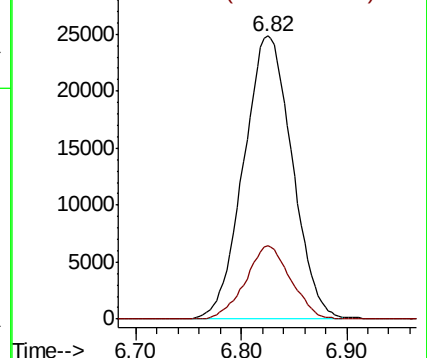
77 100

97 24.1 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: 19.750 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

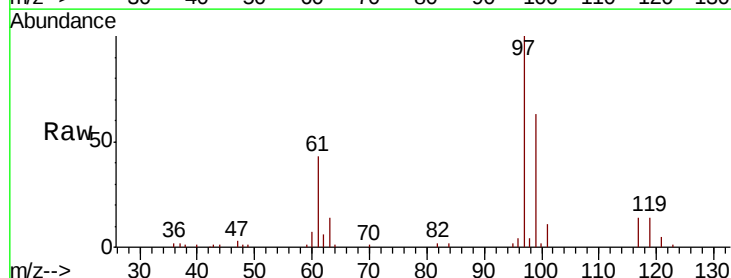
Tgt Ion: 97 Resp: 94420

Ion Ratio Lower Upper

97 100

99 63.8 52.0 78.0

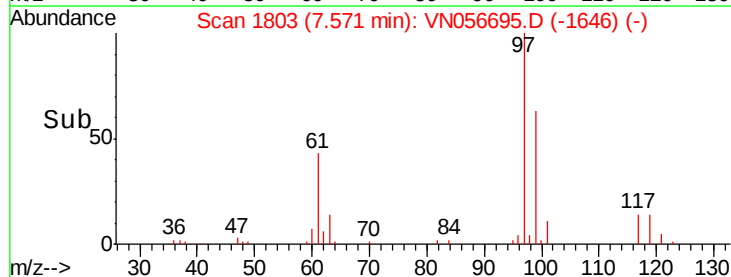
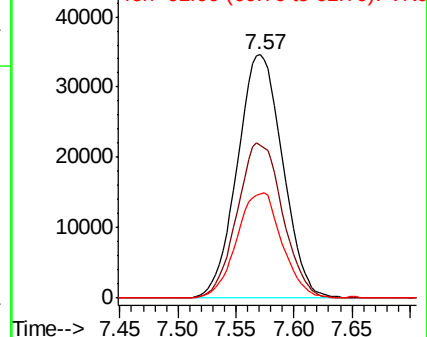
61 43.0 34.4 51.6

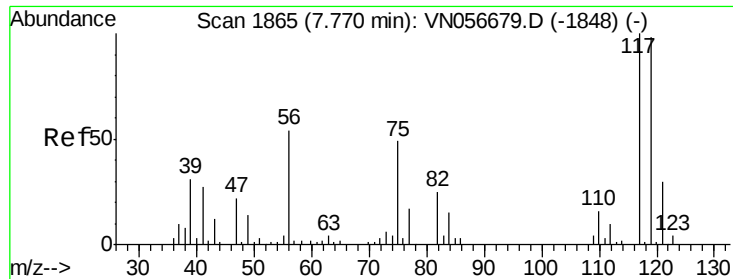


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

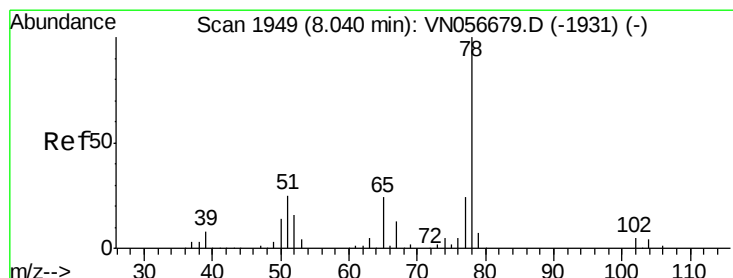
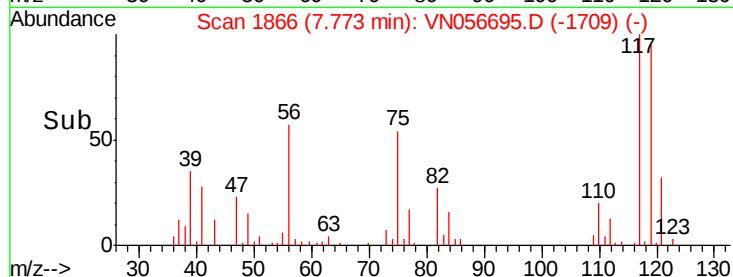
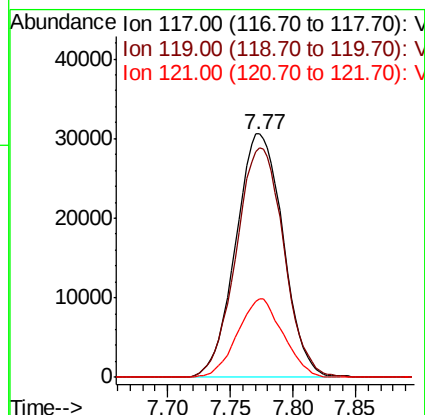
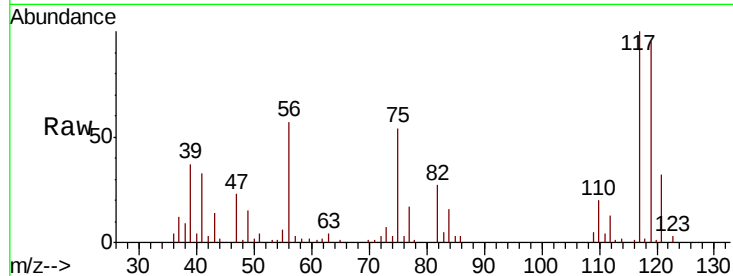




#33
Carbon Tetrachloride
Concen: 19.480 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

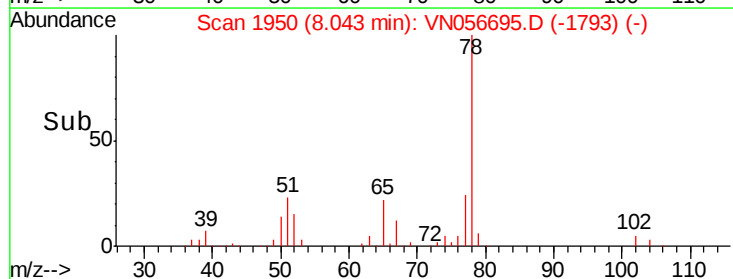
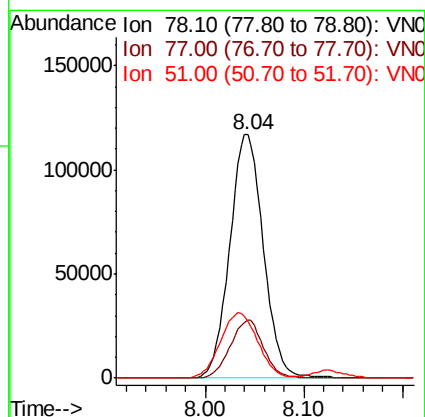
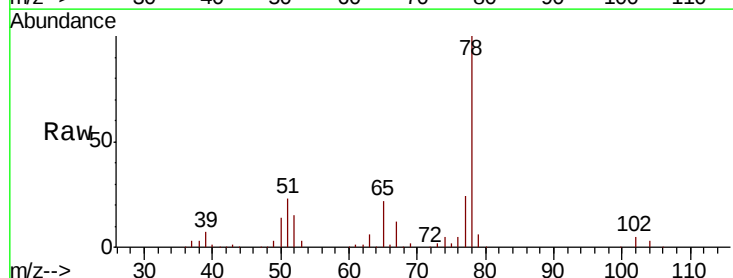
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

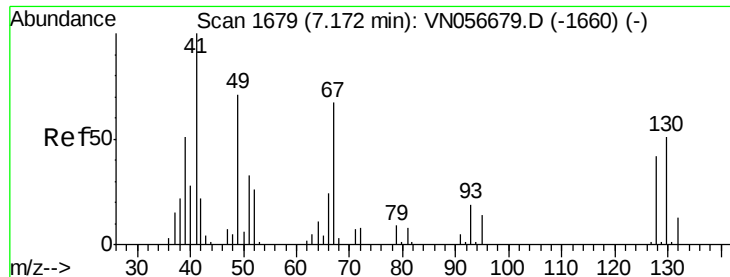
Tot Ion:117 Resp: 80138
Ion Ratio Lower Upper
117 100
119 94.5 78.7 118.1
121 32.1 24.0 36.0



#34
Benzene
Concen: 20.144 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 78 Resp: 277592
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4
51 23.0 19.7 29.5

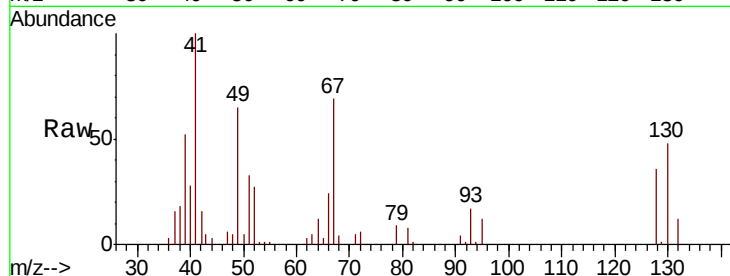




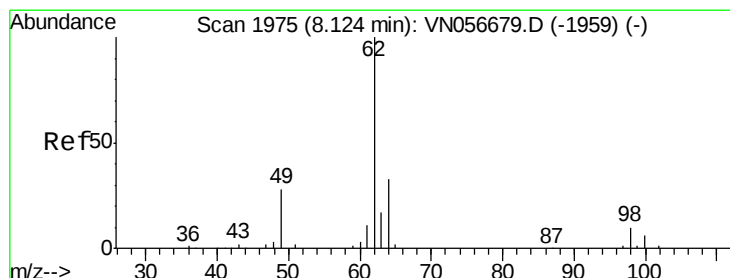
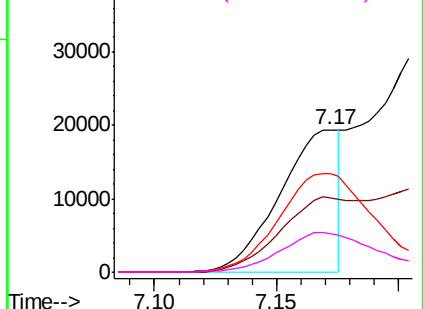
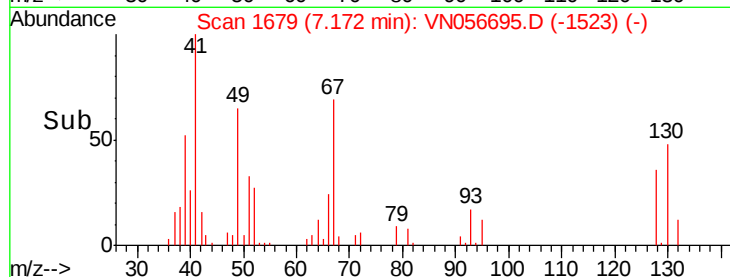
#35
Methacrylonitrile
Concen: 16.446 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 32625
Ion Ratio Lower Upper
41 100
39 52.3 25.4 76.2
67 69.2 33.6 100.8
52 27.2 12.9 38.7

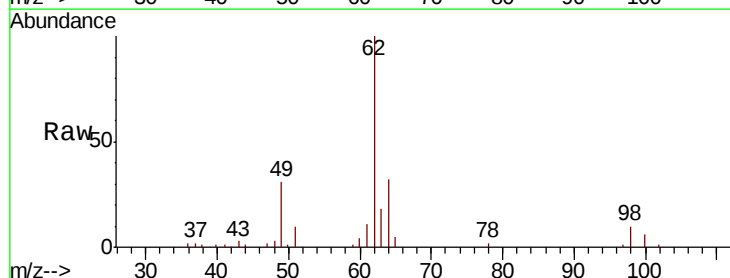


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

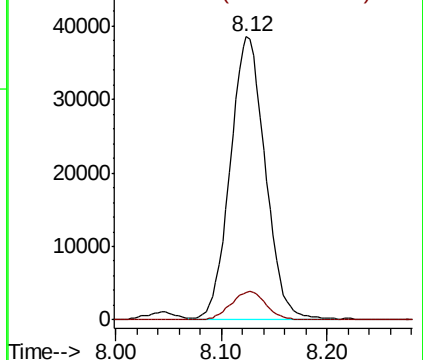
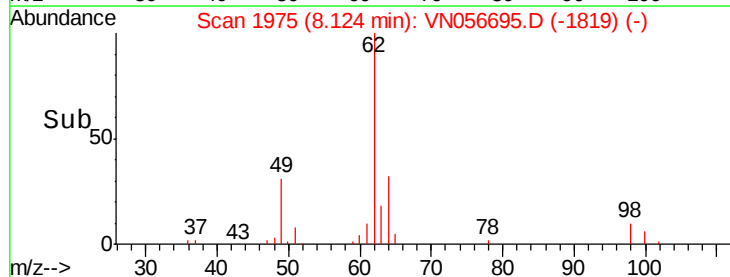


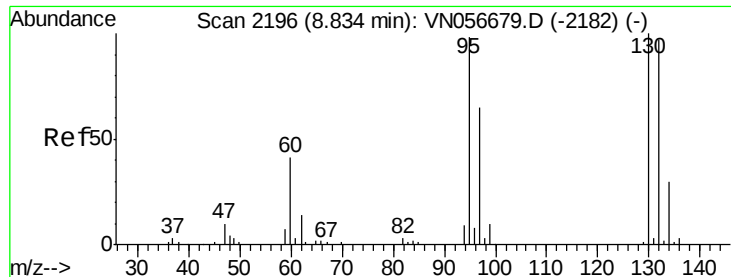
#36
1,2-Dichloroethane
Concen: 20.140 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 62 Resp: 89151
Ion Ratio Lower Upper
62 100
98 10.0 7.7 11.5



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

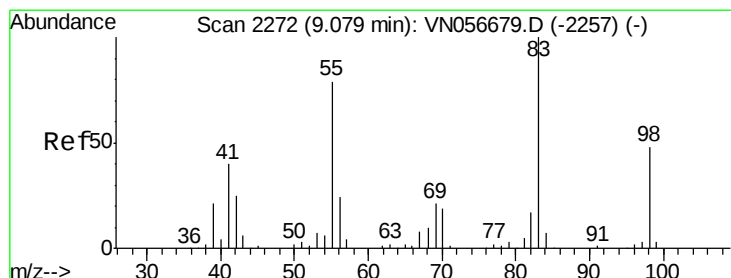
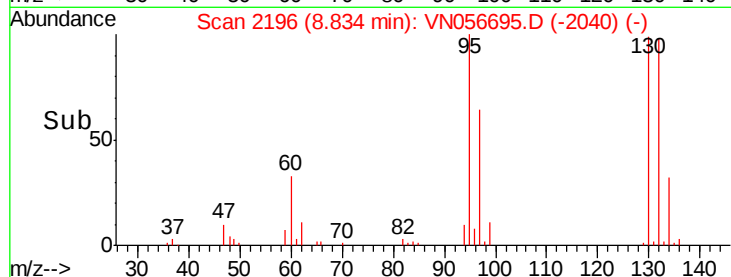
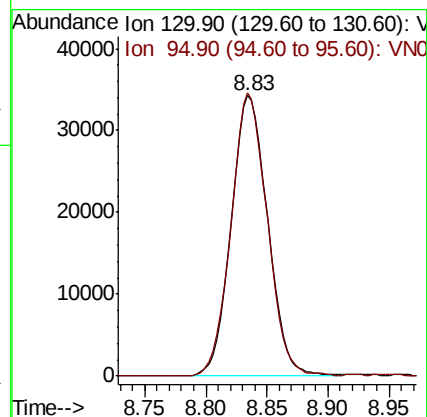
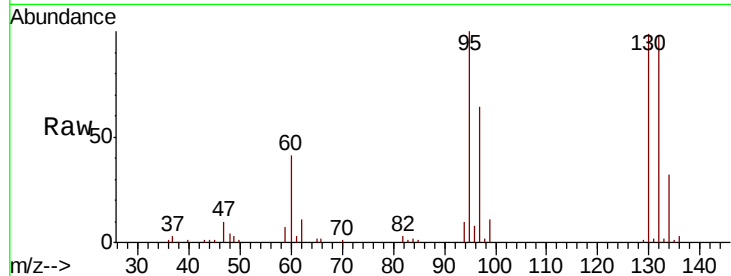




#37
 Trichloroethene
 Concen: 19.120 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

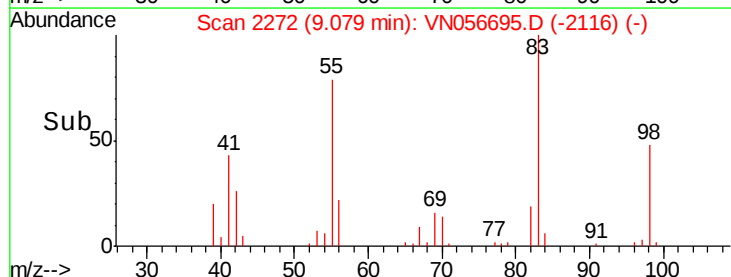
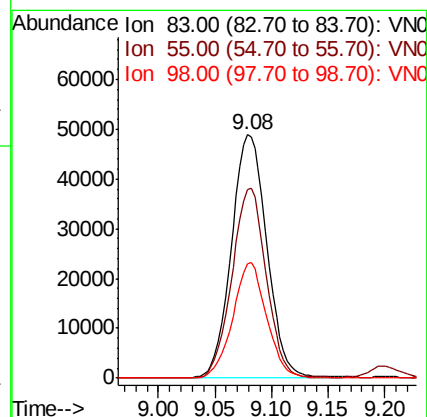
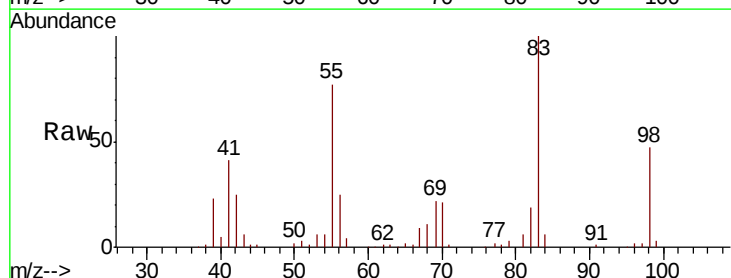
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

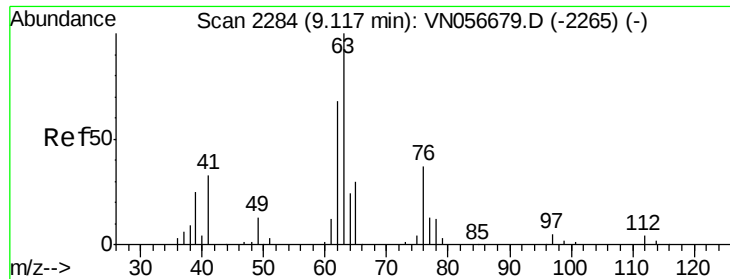
Tot Ion:130 Resp: 71560
 Ion Ratio Lower Upper
 130 100
 95 100.9 78.4 117.6



#38
 Methylcyclohexane
 Concen: 18.869 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion: 83 Resp: 106911
 Ion Ratio Lower Upper
 83 100
 55 75.3 38.4 115.2
 98 45.0 23.3 69.9

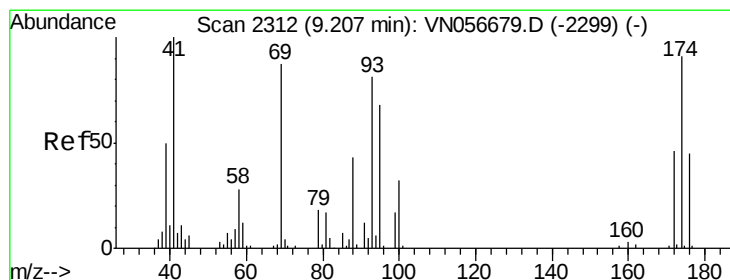
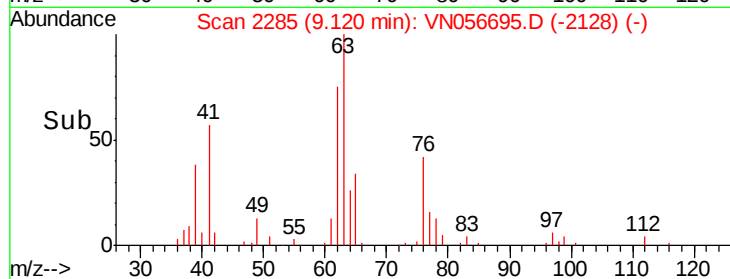
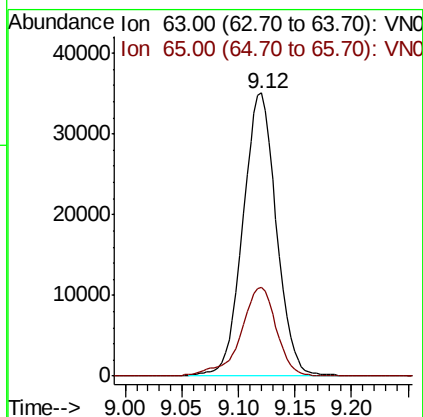
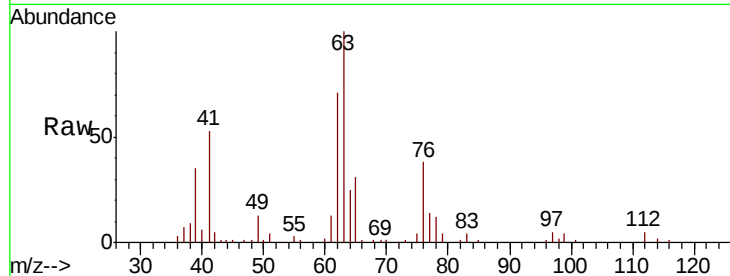




#39
 1,2-Dichloropropane
 Concen: 19.537 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

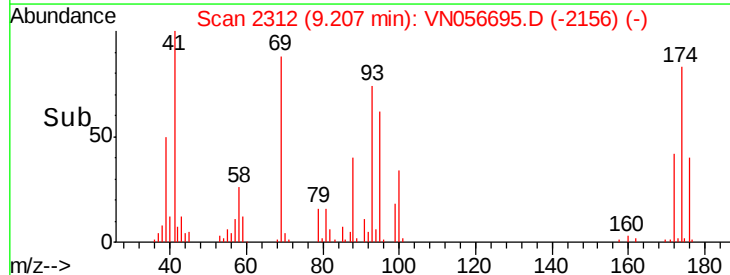
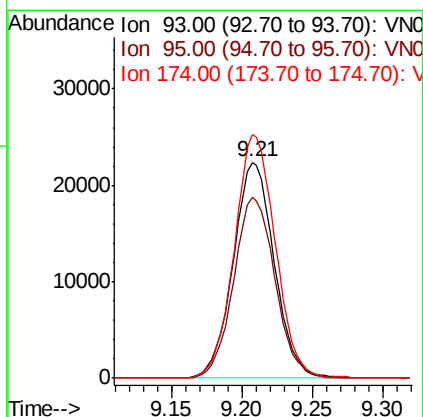
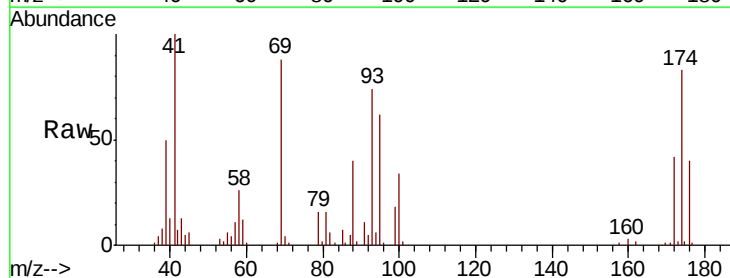
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

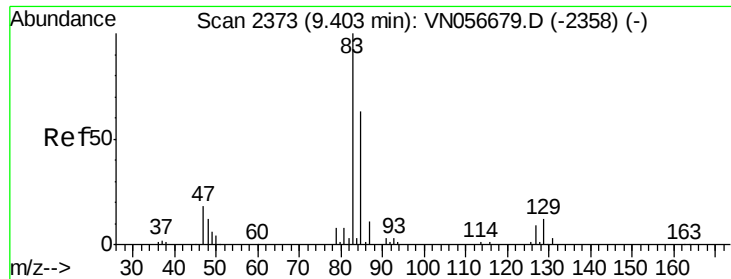
Tot Ion: 63 Resp: 72265
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 36.8



#40
 Dibromomethane
 Concen: 19.319 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion: 93 Resp: 45515
 Ion Ratio Lower Upper
 93 100
 95 84.5 0.0 167.0
 174 112.6 0.0 224.2





#41

Bromodichloromethane

Concen: 19.705 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

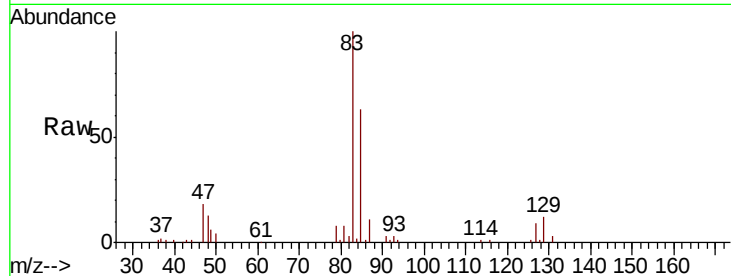
Tot Ion: 83 Resp: 85559

Ion Ratio Lower Upper

83 100

85 63.1 50.1 75.1

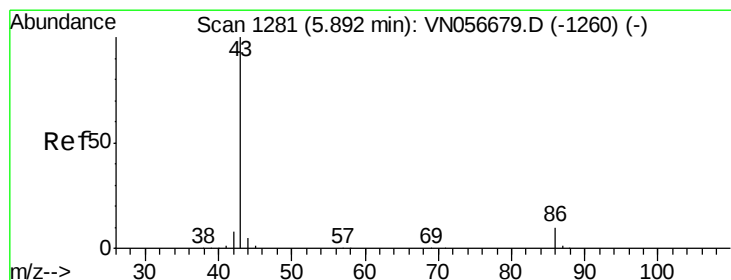
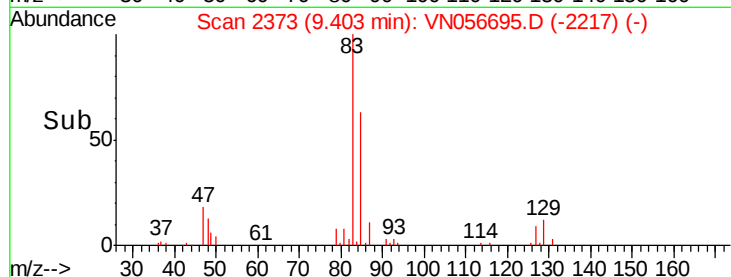
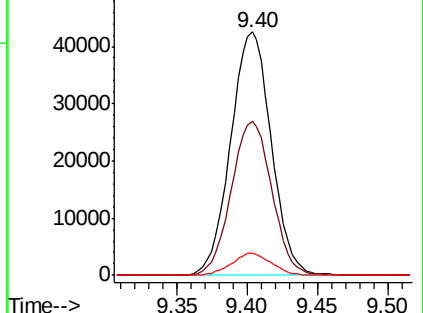
127 9.3 7.0 10.4



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: 98.404 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056695.D

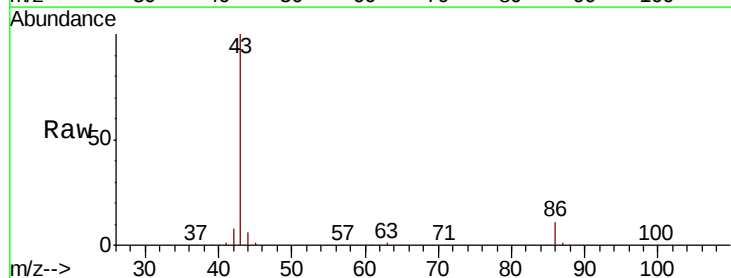
Acq: 12 Jul 2019 18:14

Tgt Ion: 43 Resp: 850431

Ion Ratio Lower Upper

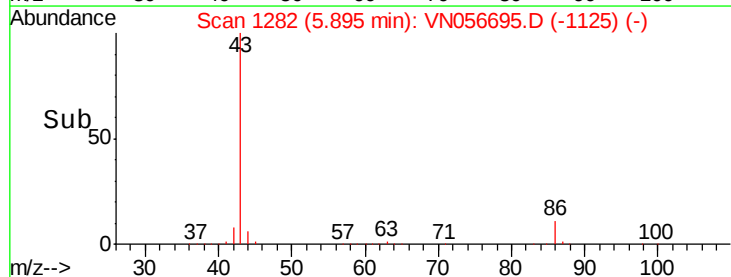
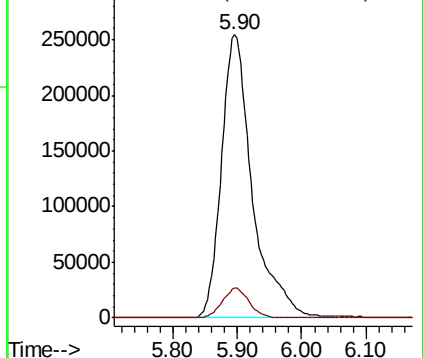
43 100

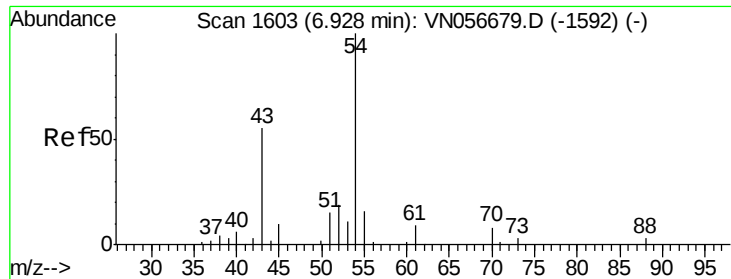
86 9.1 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

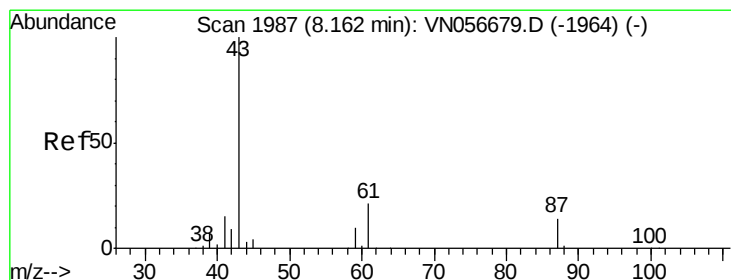
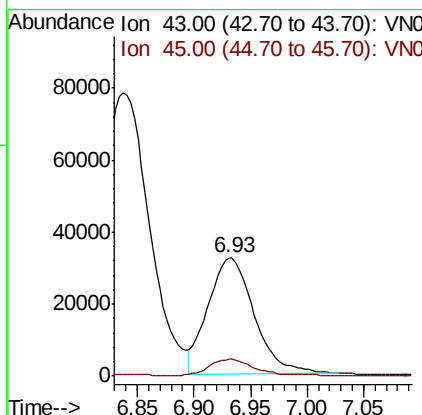
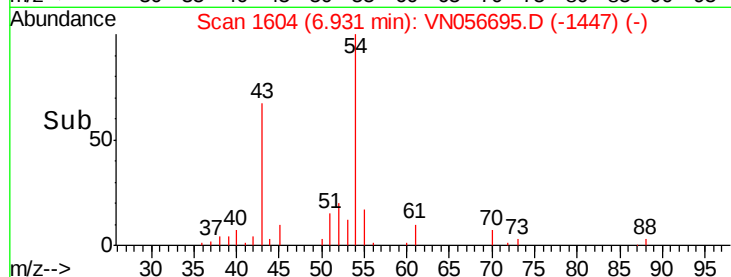
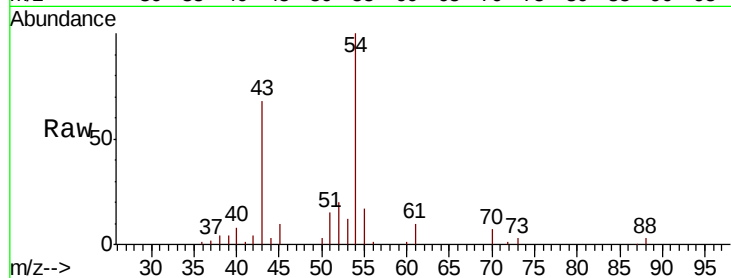




#43
Ethyl Acetate
Concen: 19.794 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

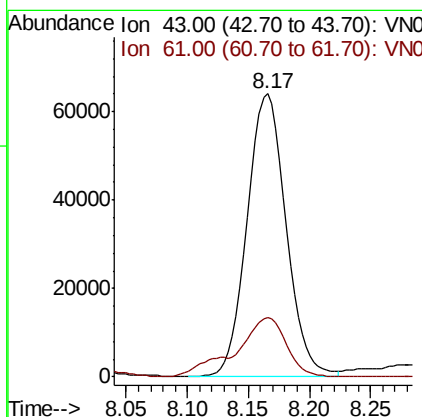
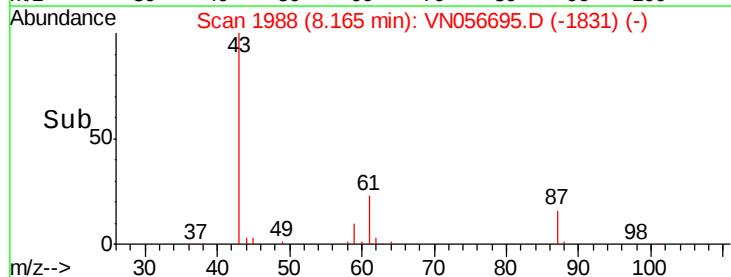
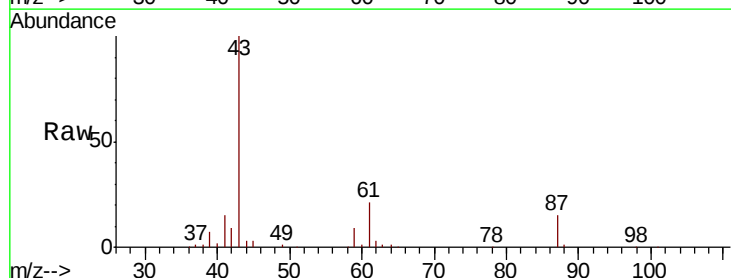
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

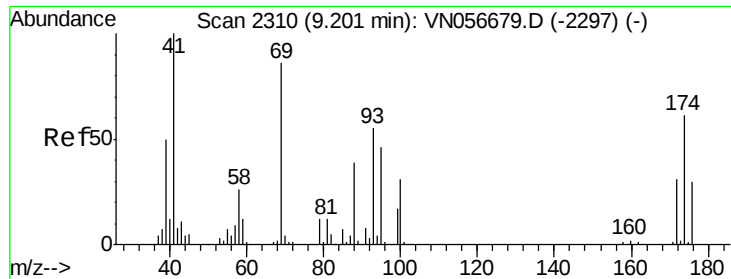
Tot Ion: 43 Resp: 92881
Ion Ratio Lower Upper
43 100
45 12.8 11.2 16.8



#44
Isopropyl Acetate
Concen: 19.237 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 43 Resp: 140795
Ion Ratio Lower Upper
43 100
61 21.7 22.6 33.8#

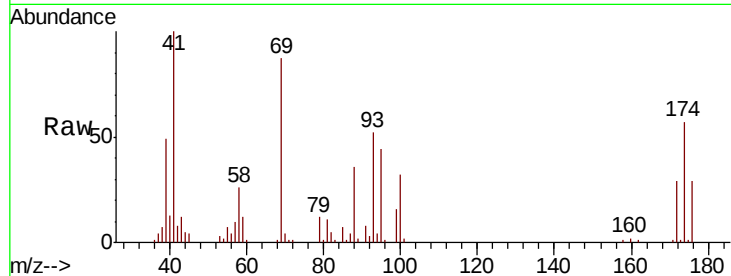




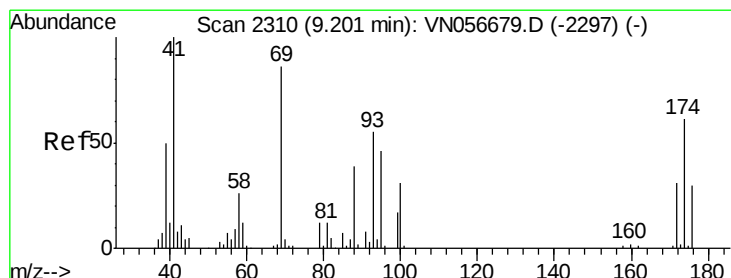
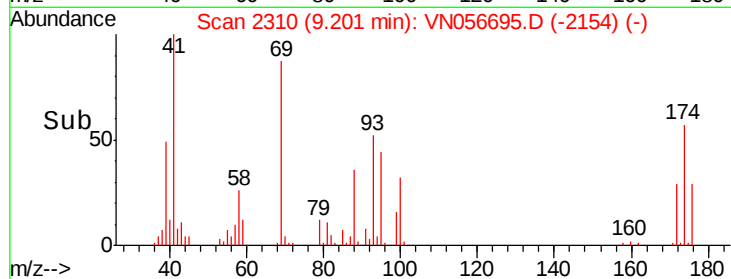
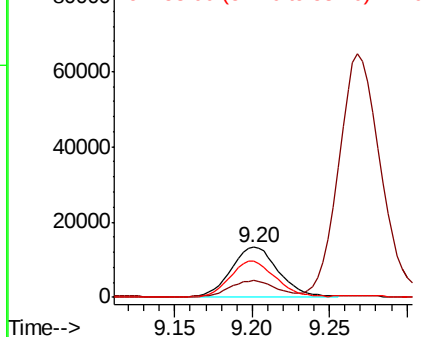
#45
 1,4-Dioxane
 Concen: 388.588 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 28772
 Ion Ratio Lower Upper
 88 100
 43 29.6 23.0 34.6
 58 69.3 54.6 81.8

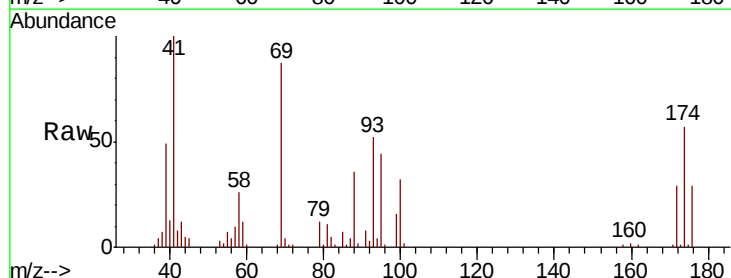


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

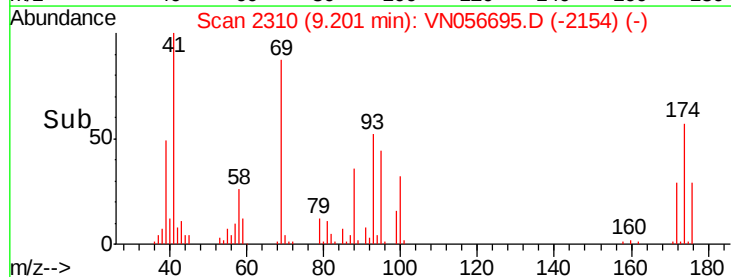
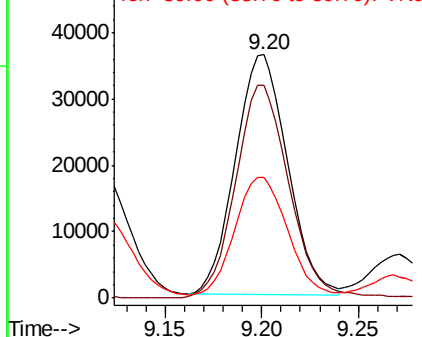


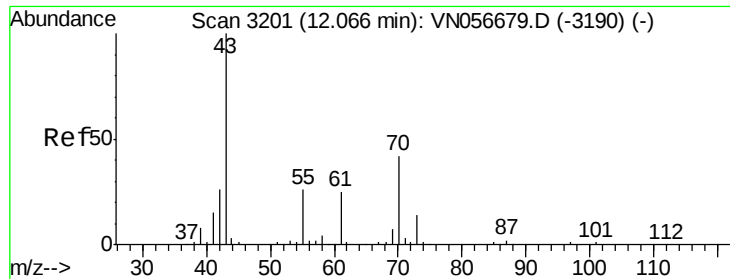
#46
 Methyl methacrylate
 Concen: 19.328 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion: 41 Resp: 67957
 Ion Ratio Lower Upper
 41 100
 69 88.0 43.0 129.0
 39 48.8 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

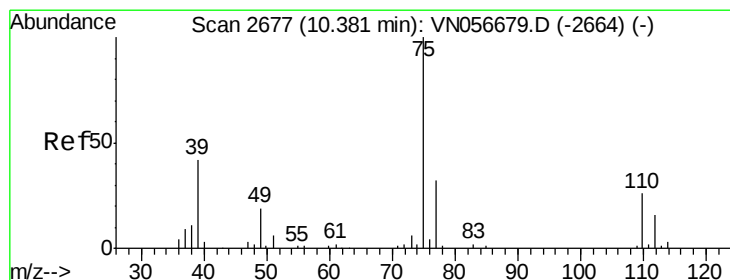
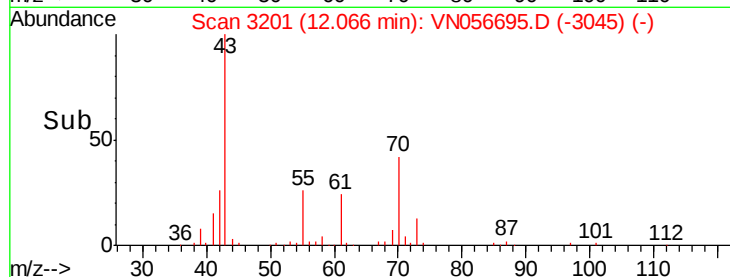
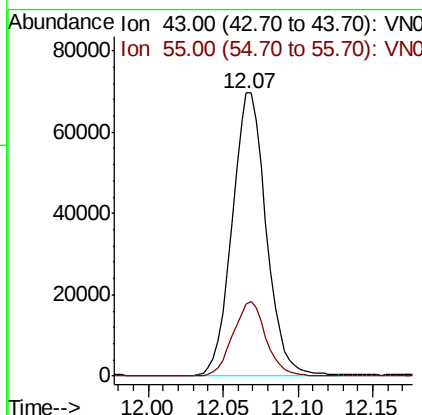
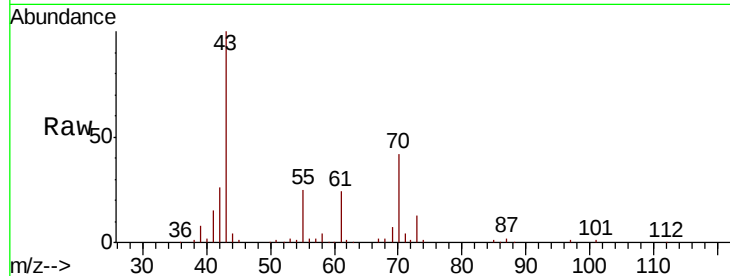




#47
n-amvl Acetate
Concen: 18.500 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

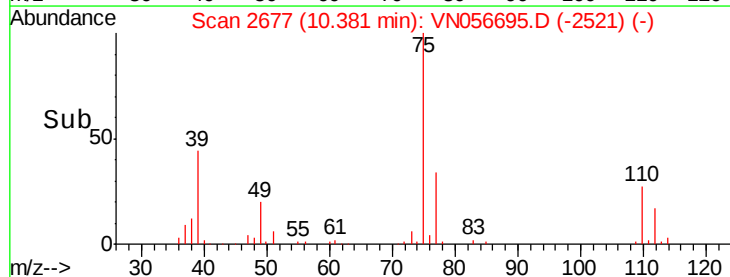
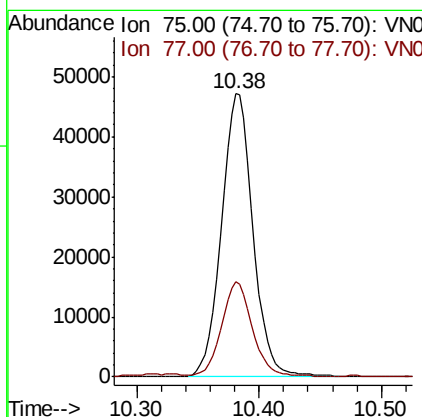
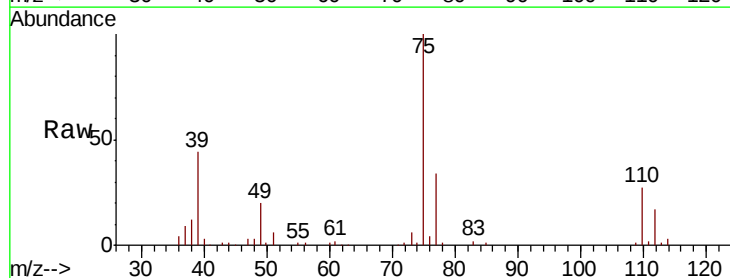
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

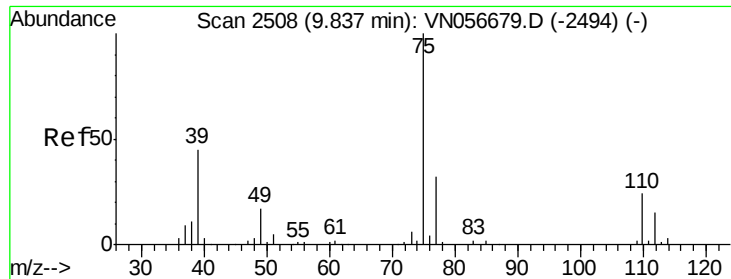
Tot Ion: 43 Resp: 110735
Ion Ratio Lower Upper
43 100
55 25.6 20.7 31.1



#48
t-1,3-Dichloropropene
Concen: 17.867 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 75 Resp: 85335
Ion Ratio Lower Upper
75 100
77 33.6 25.7 38.5

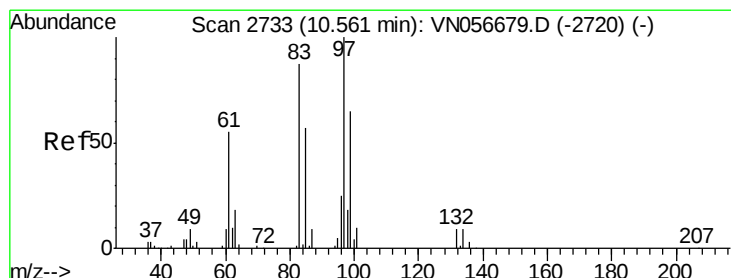
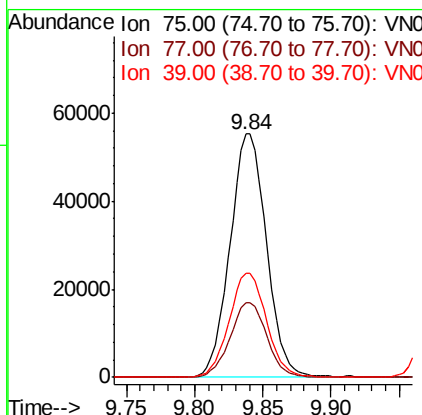
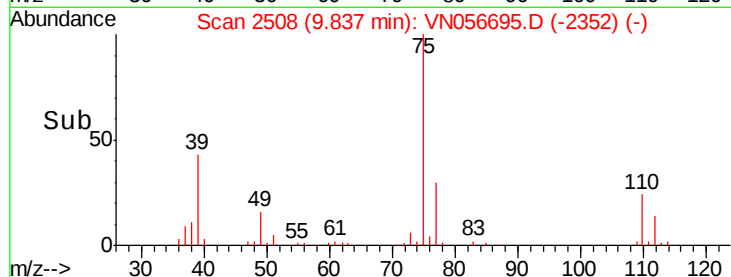
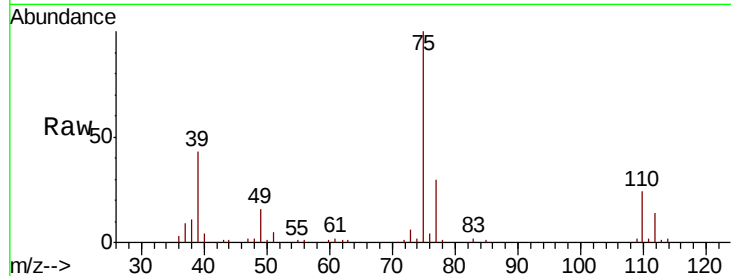




#49
 cis-1,3-Dichloropropene
 Concen: 19.073 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

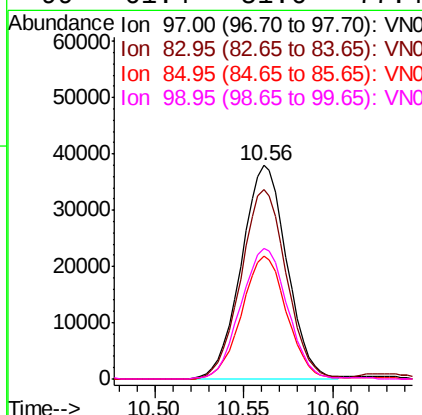
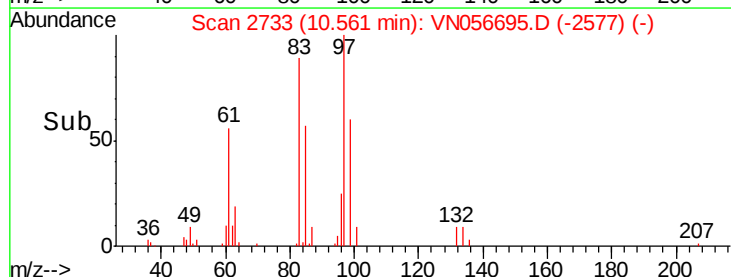
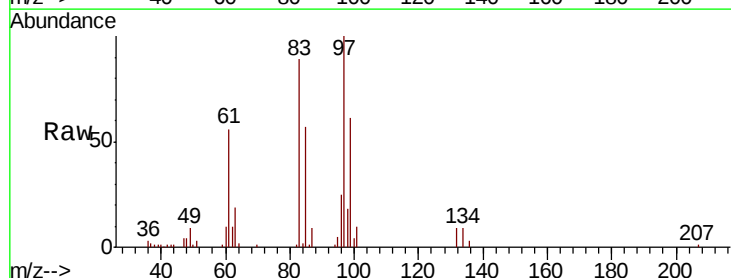
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

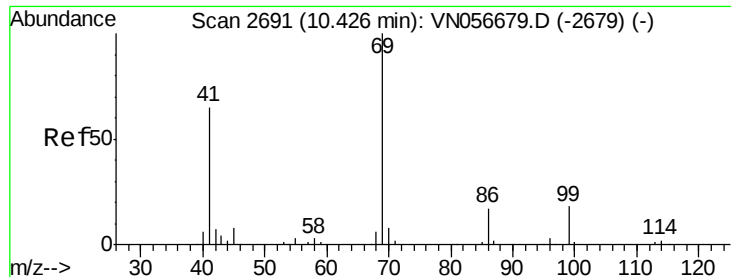
Tot Ion: 75 Resp: 102766
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.0 39.0
 39 42.8 36.2 54.4



#50
 1,1,2-Trichloroethane
 Concen: 19.687 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion: 97 Resp: 67574
 Ion Ratio Lower Upper
 97 100
 83 89.0 69.2 103.8
 85 57.5 45.3 67.9
 99 61.4 51.6 77.4





#51

Ethyl methacrylate

Concen: 18.686 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

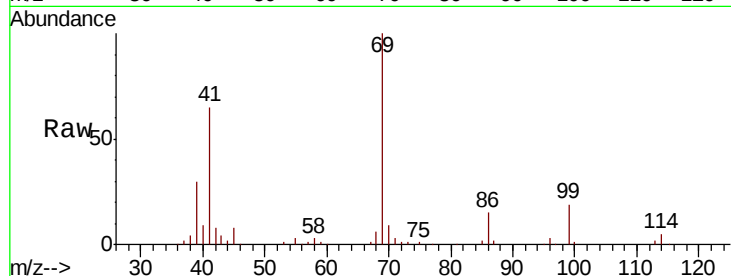
Tot Ion: 69 Resp: 98656

Ion Ratio Lower Upper

69 100

41 64.2 32.8 98.3

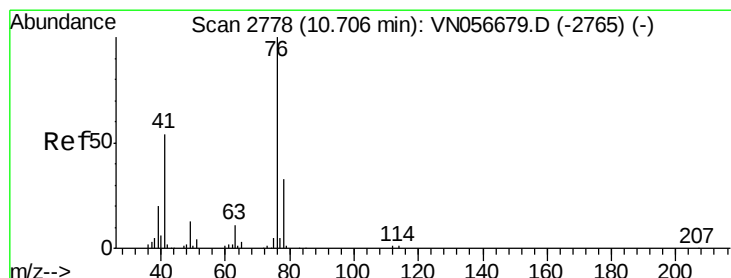
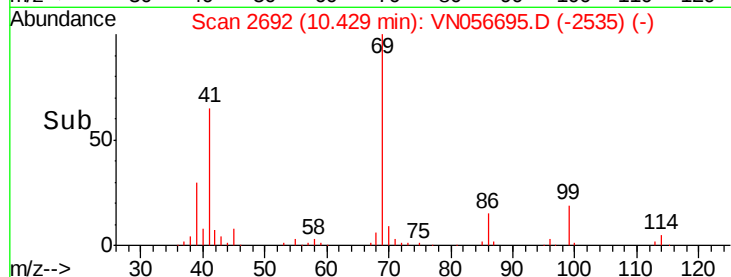
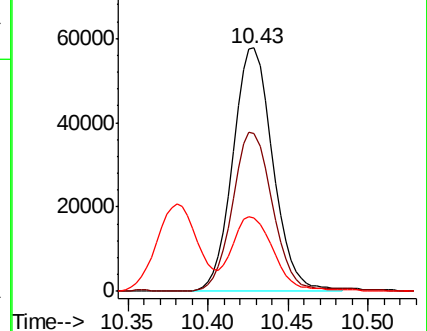
39 29.4 15.4 46.2



Abundance Ion 69.00 (68.70 to 69.70): VN056679.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN056679.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN056679.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 20.049 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056695.D

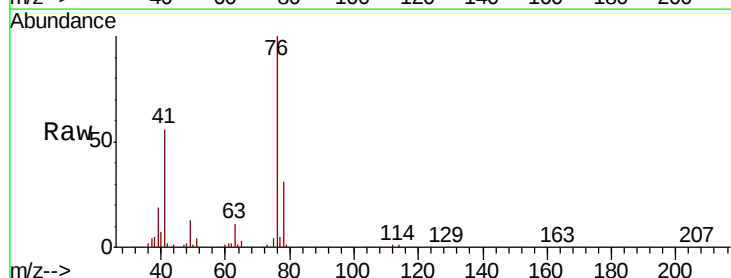
Acq: 12 Jul 2019 18:14

Tgt Ion: 76 Resp: 115145

Ion Ratio Lower Upper

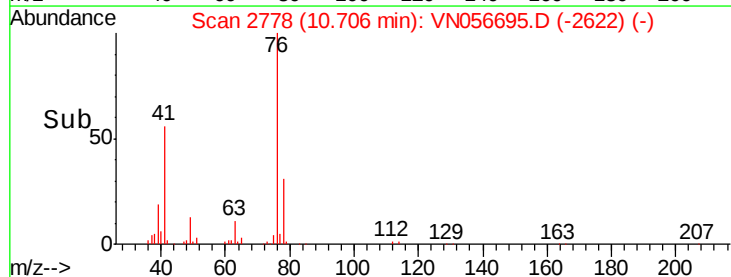
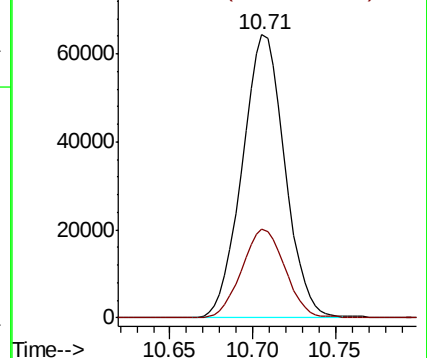
76 100

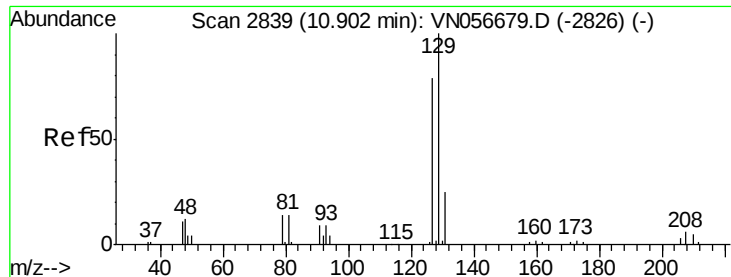
78 31.7 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN056679.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN056679.D (-2765) (-)

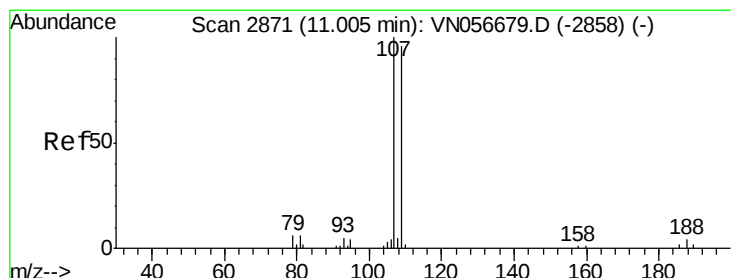
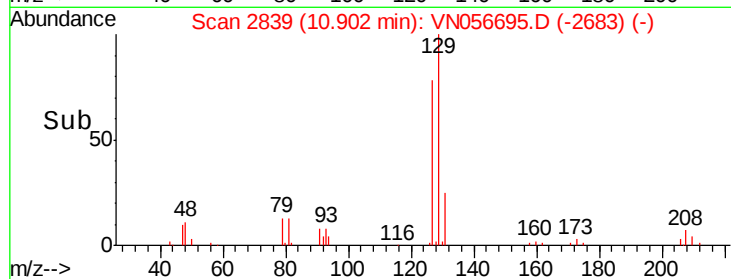
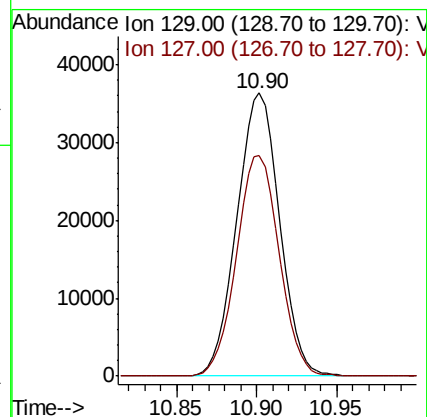
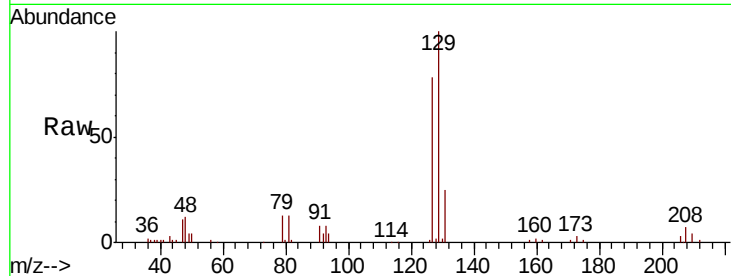




#53
Dibromochloromethane
Concen: 19.101 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

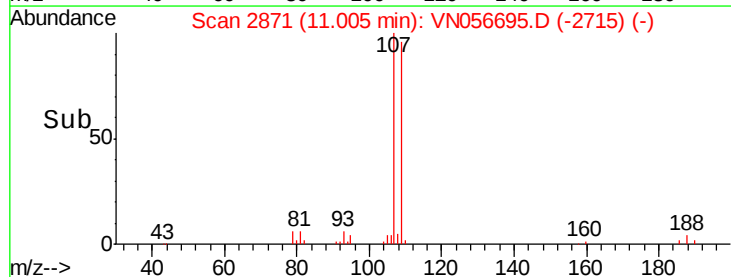
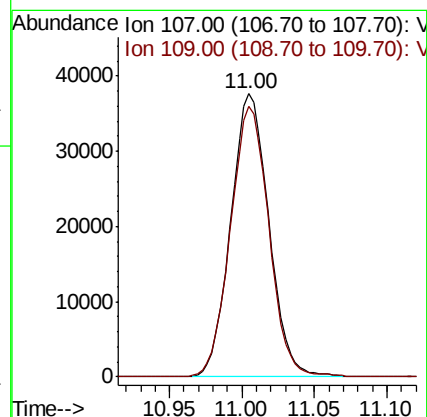
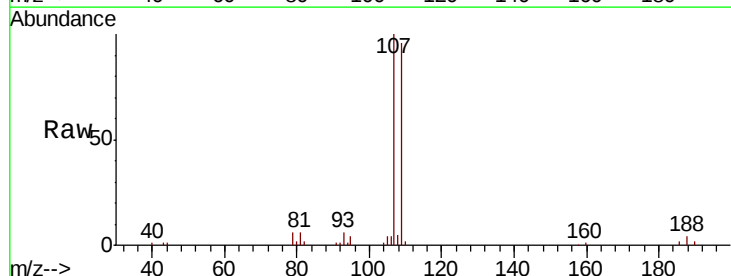
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

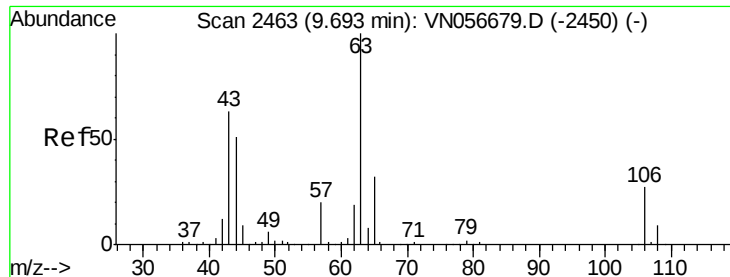
Tot Ion:129 Resp: 66260
Ion Ratio Lower Upper
129 100
127 77.9 38.7 116.1



#54
1,2-Dibromoethane
Concen: 19.261 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion:107 Resp: 68709
Ion Ratio Lower Upper
107 100
109 95.6 77.9 116.9

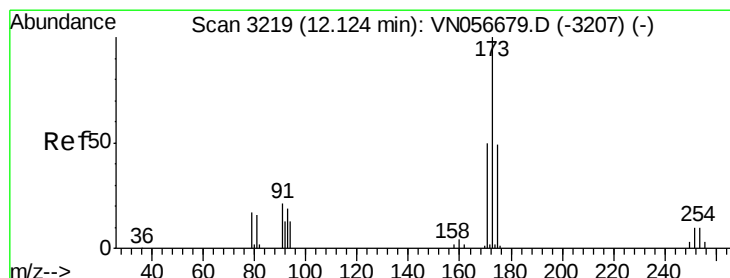
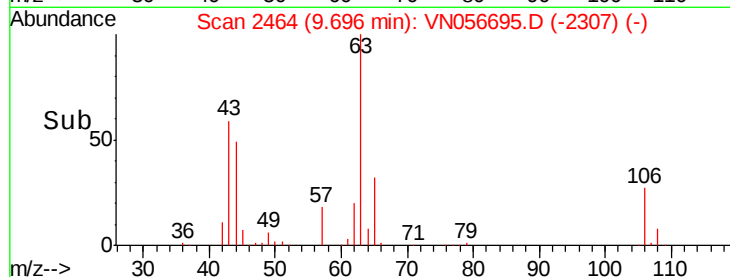
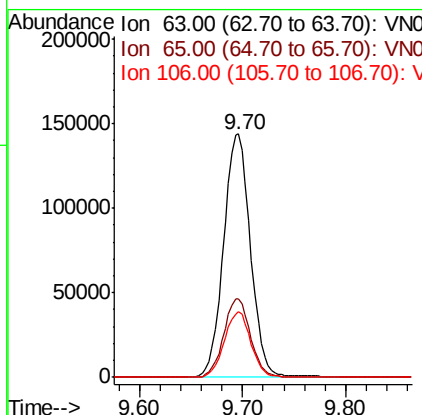
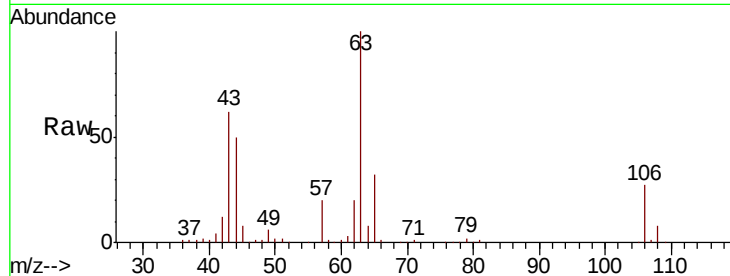




#55
2-Chloroethyl vinyl ether
Concen: 102.519 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

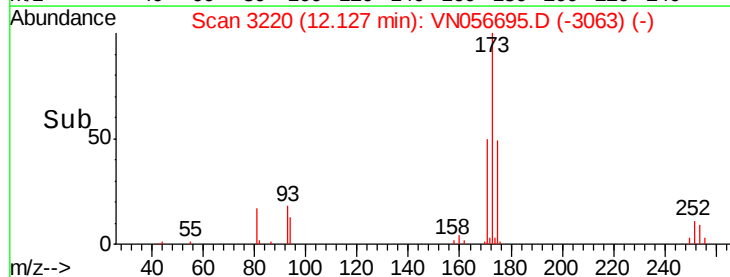
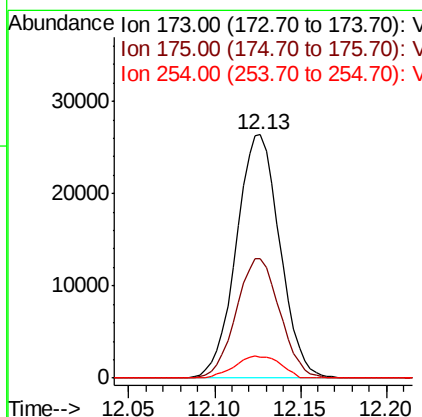
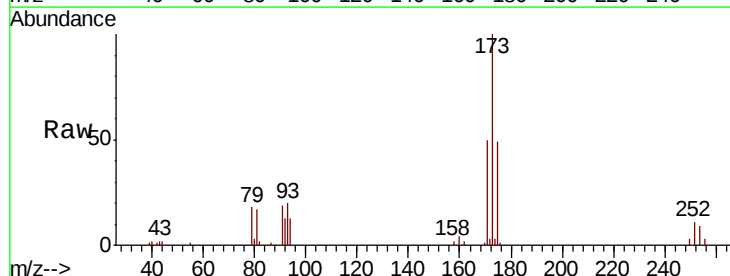
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

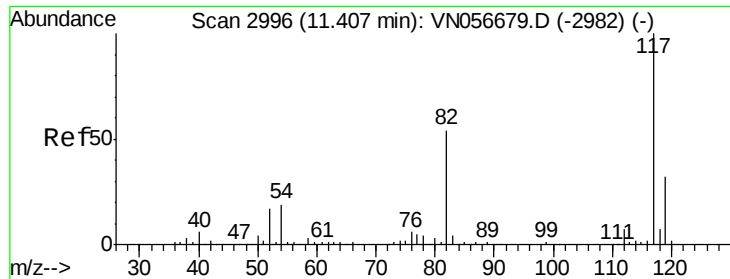
Tot Ion: 63 Resp: 261739
Ion Ratio Lower Upper
63 100
65 31.9 25.2 37.8
106 26.7 21.6 32.4



#56
Bromoform
Concen: 18.090 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 173 Resp: 46455
Ion Ratio Lower Upper
173 100
175 49.2 39.7 59.5
254 9.5 7.8 11.8

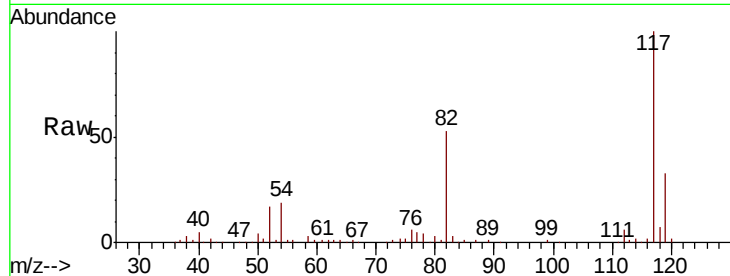




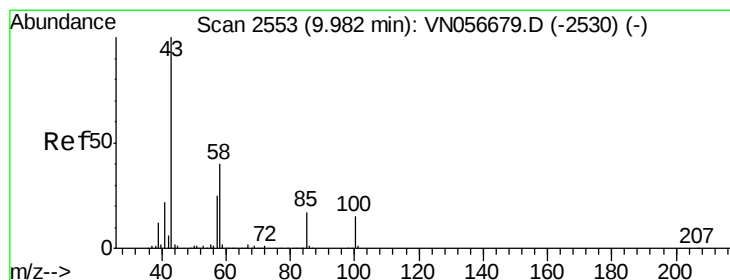
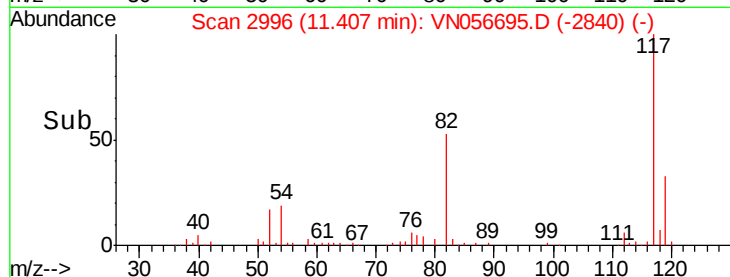
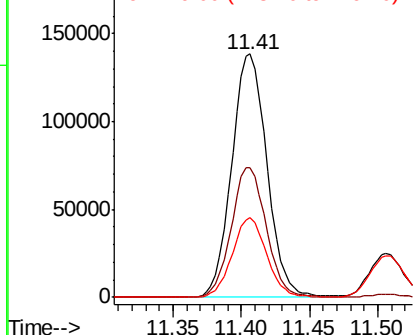
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 248867
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 32.0 26.0 39.0

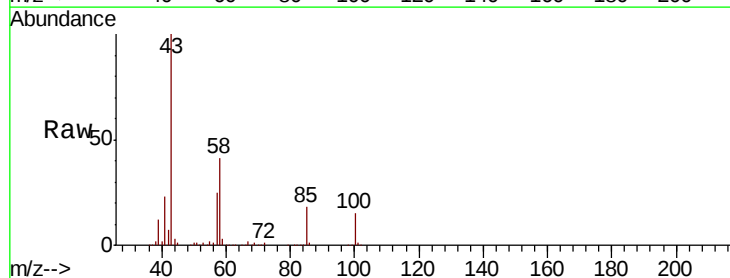


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

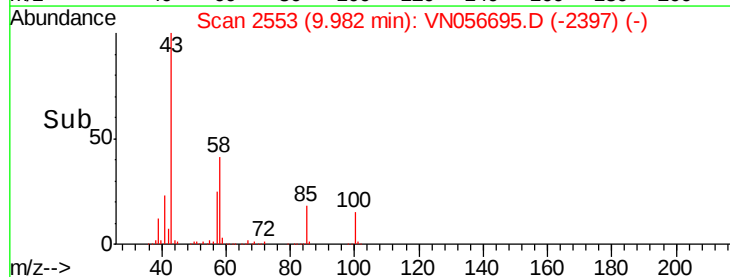
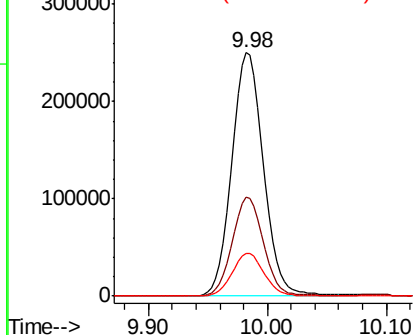


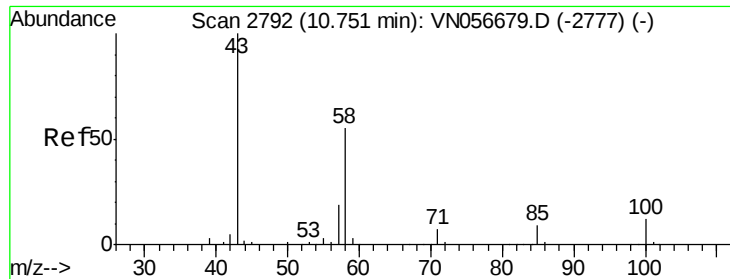
#58
4-Methyl-2-Pentanone
Concen: 98.300 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 43 Resp: 460441
Ion Ratio Lower Upper
43 100
58 40.2 31.9 47.9
85 17.8 14.2 21.4



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

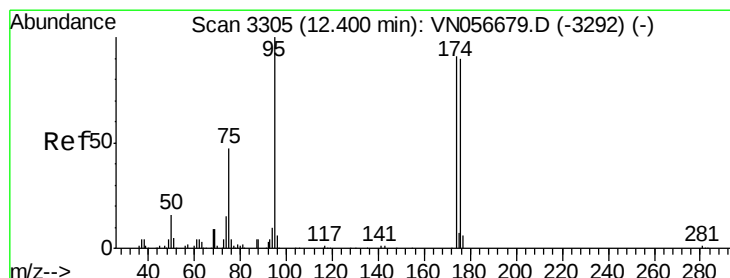
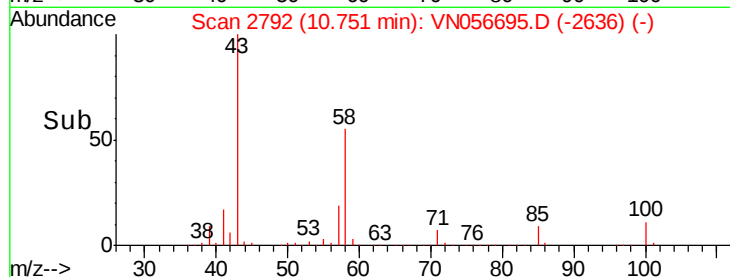
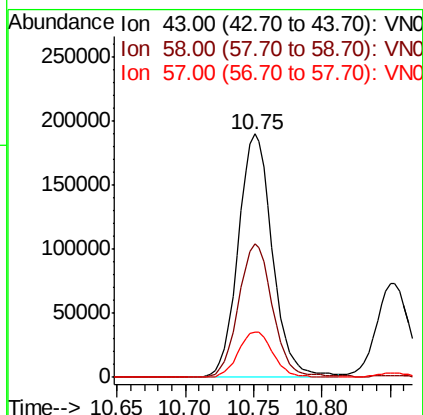
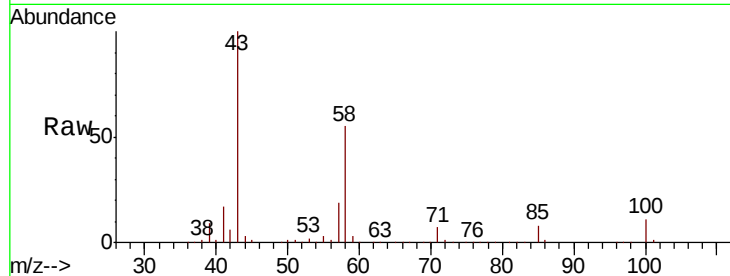




#59
2-Hexanone
Concen: 92.563 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

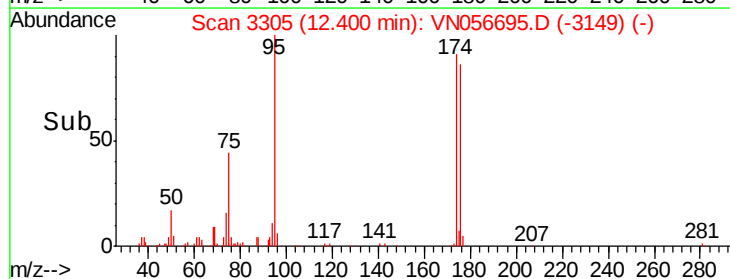
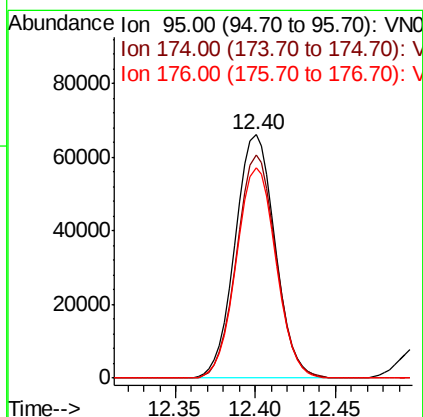
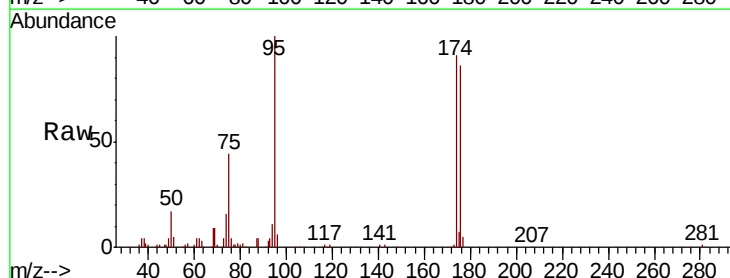
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

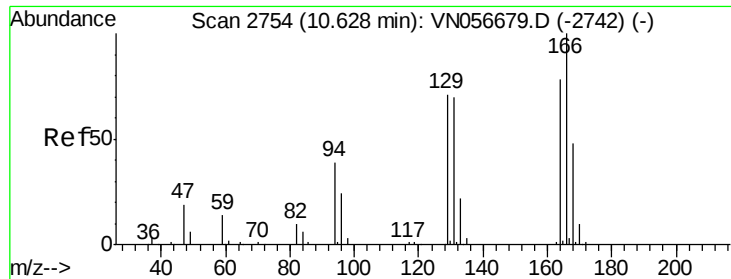
Tot Ion: 43 Resp: 329111
Ion Ratio Lower Upper
43 100
58 55.2 44.4 66.6
57 18.9 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.543 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 95 Resp: 112522
Ion Ratio Lower Upper
95 100
174 90.1 72.6 108.8
176 86.0 71.0 106.6





#61

Tetrachloroethene

Concen: 20.427 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 73046

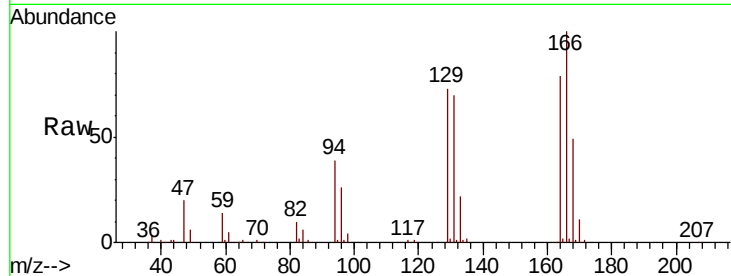
Ion Ratio Lower Upper

164 100

166 125.8 102.3 153.5

129 91.5 72.6 108.8

131 88.1 71.4 107.2

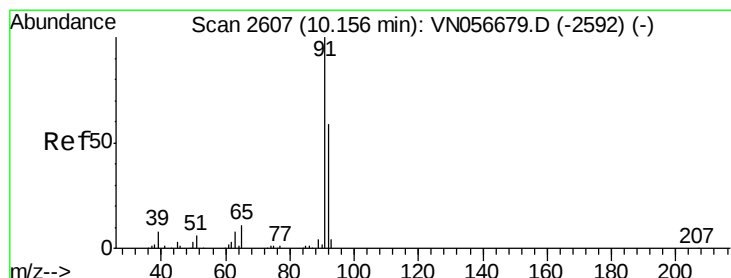
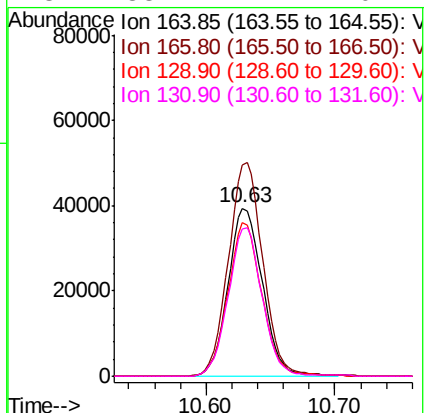
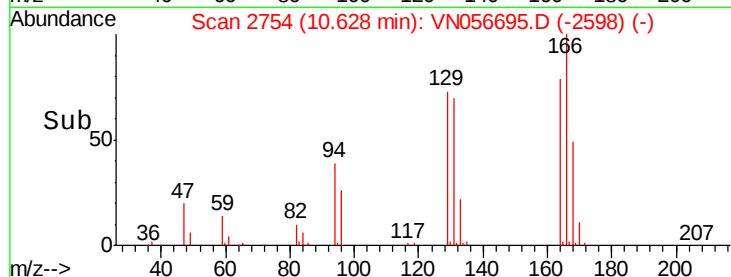


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.107 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056695.D

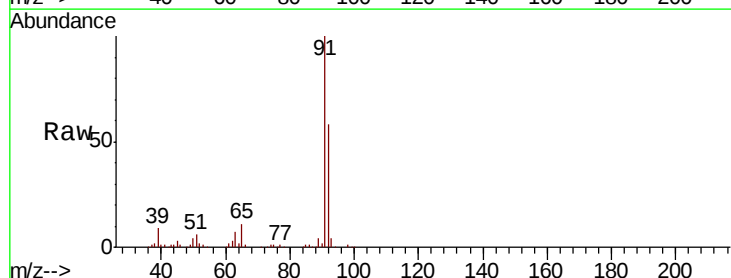
Acq: 12 Jul 2019 18:14

Tgt Ion: 91 Resp: 293910

Ion Ratio Lower Upper

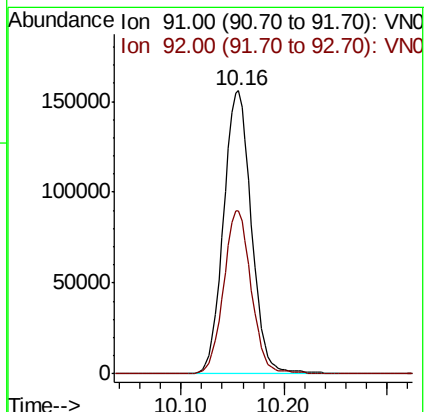
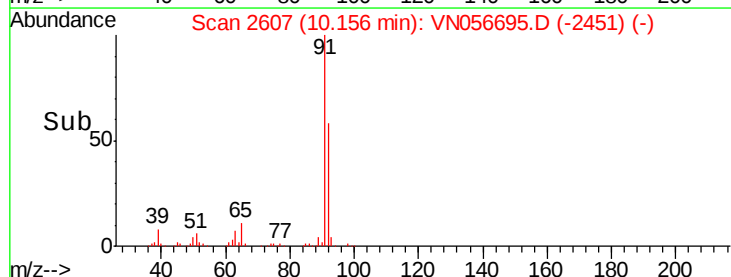
91 100

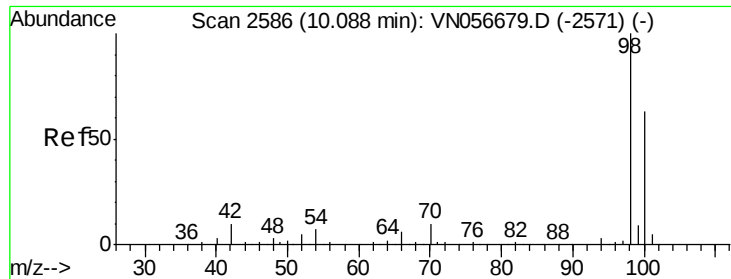
92 57.0 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.235 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

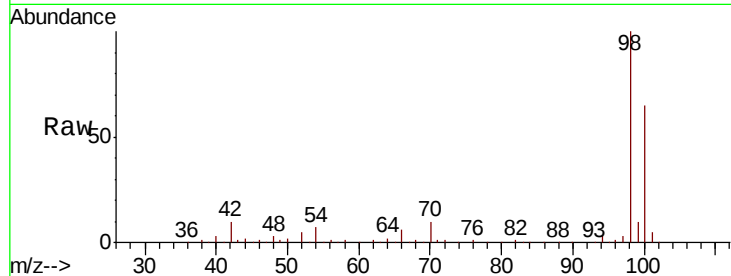
VSTDCCC020EC

Tot Ion: 98 Resp: 343799

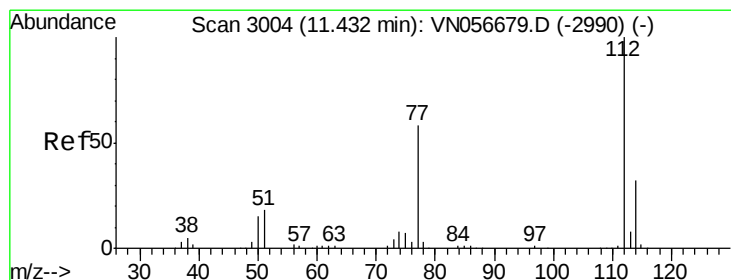
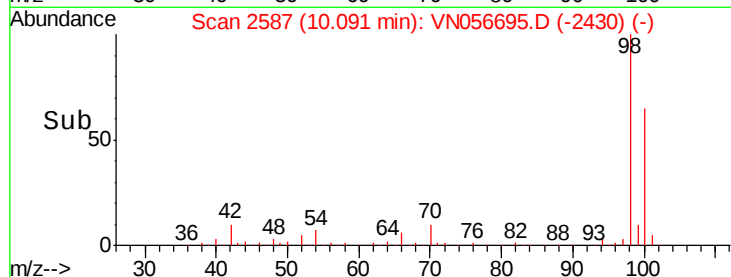
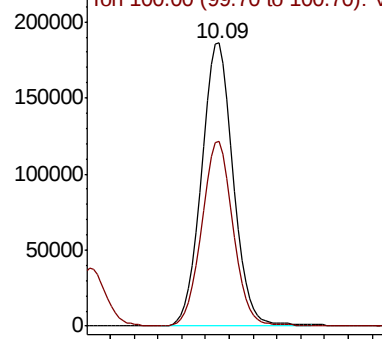
Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



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



#64

Chlorobenzene

Concen: 19.765 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056695.D

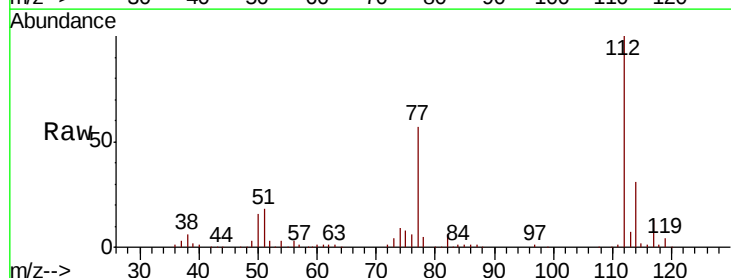
Acq: 12 Jul 2019 18:14

Tgt Ion: 112 Resp: 176212

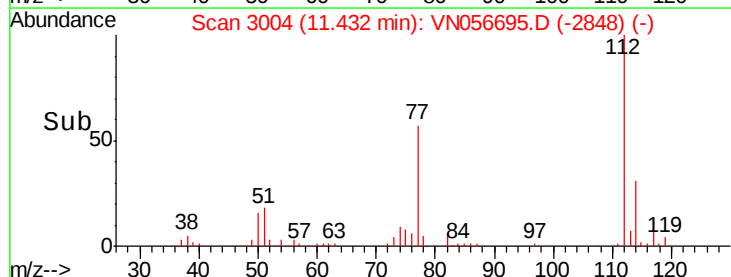
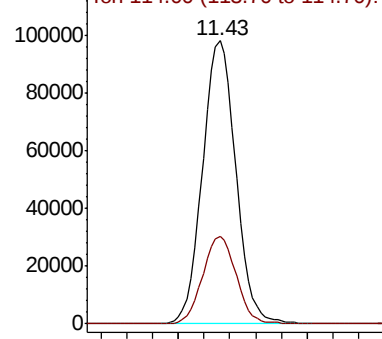
Ion Ratio Lower Upper

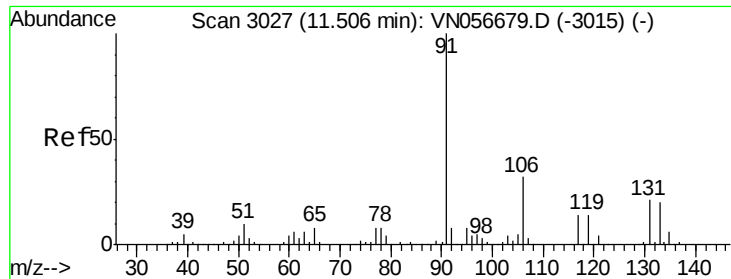
112 100

114 30.8 25.3 37.9



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





#65

1,1,1,2-Tetrachloroethane

Concen: 19.474 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

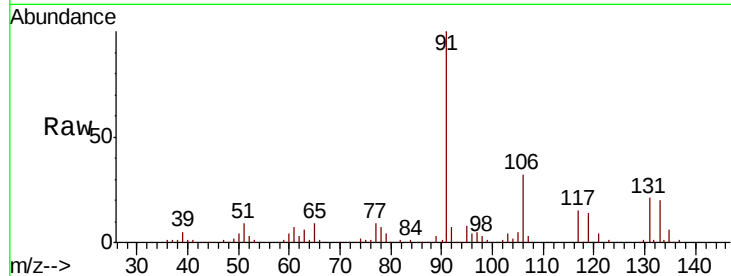
Tot Ion:131 Resp: 63650

Ion Ratio Lower Upper

131 100

133 96.4 0.0 191.4

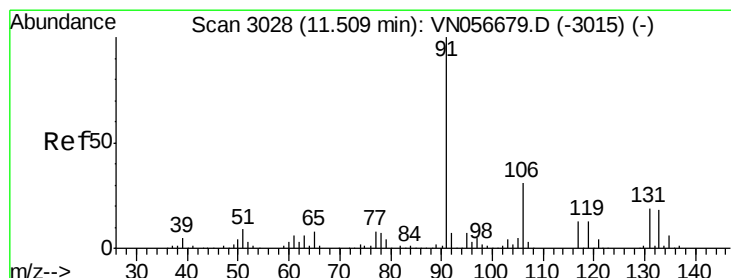
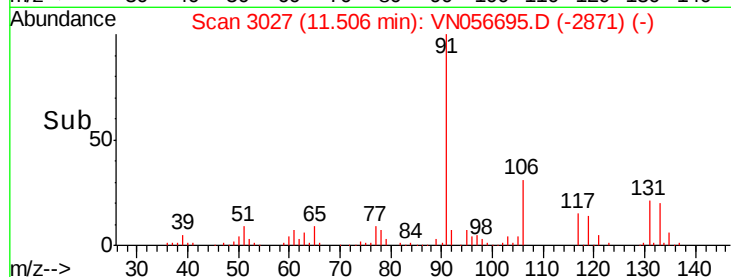
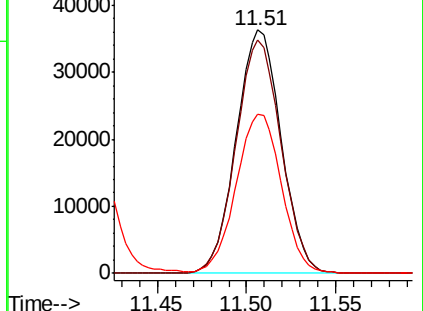
119 66.2 0.0 133.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.359 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056695.D

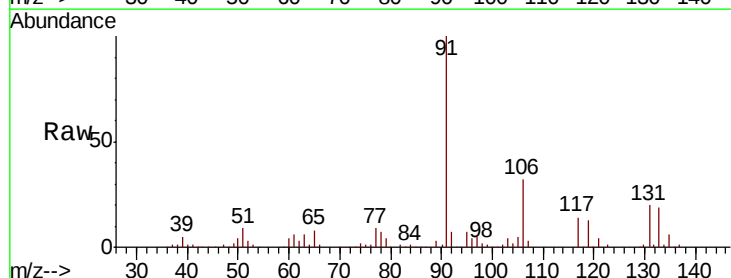
Acq: 12 Jul 2019 18:14

Tgt Ion: 91 Resp: 305878

Ion Ratio Lower Upper

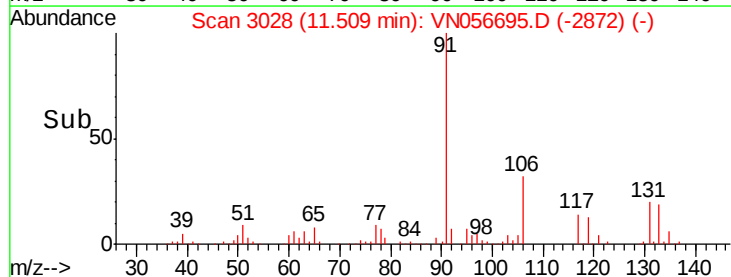
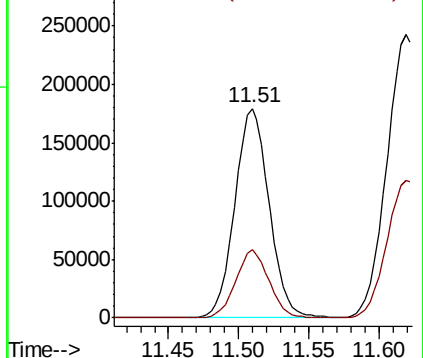
91 100

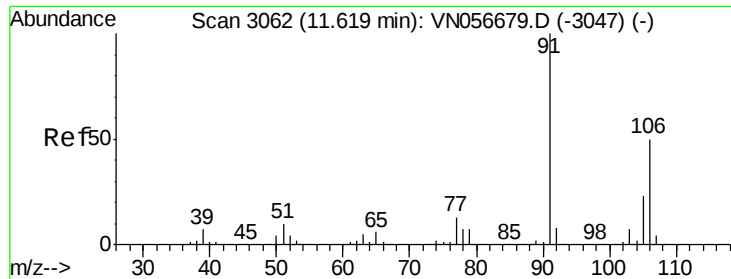
106 32.3 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

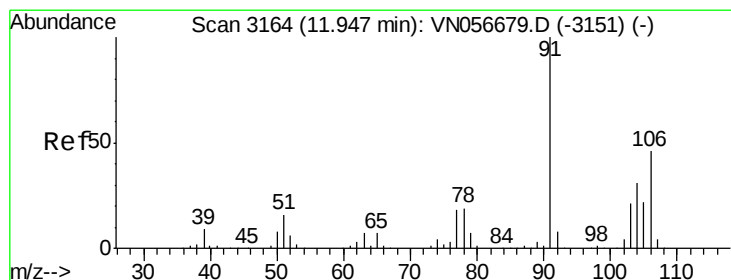
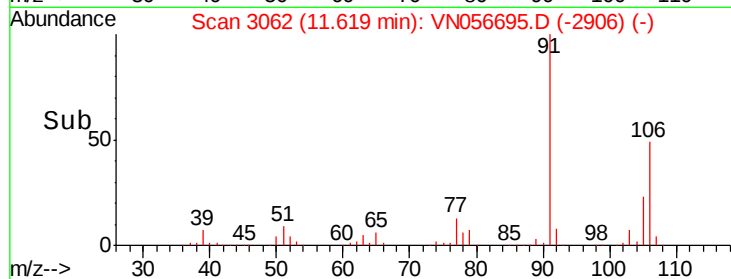
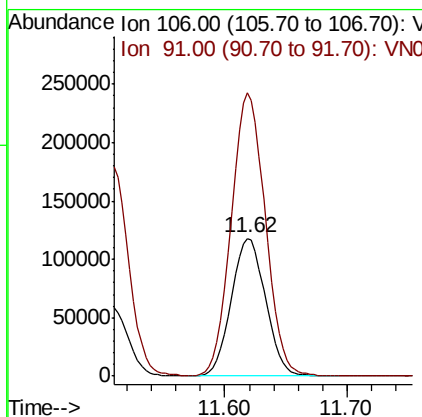
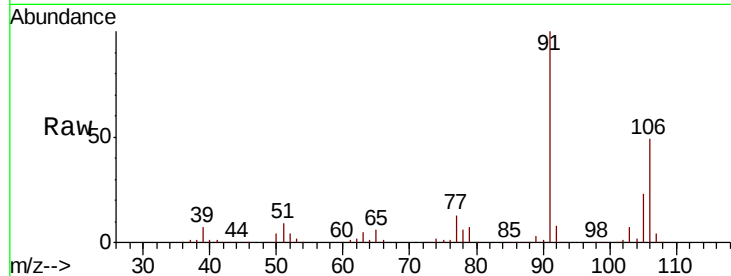




#67
m/p-Xylenes
Concen: 38.694 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

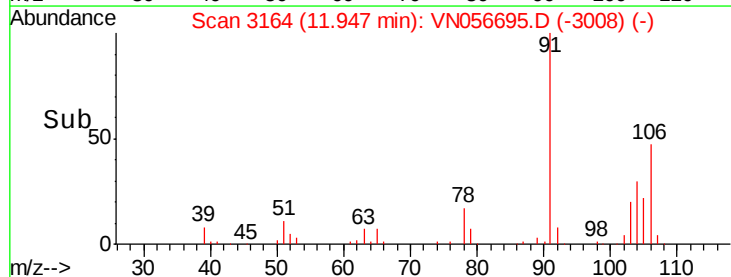
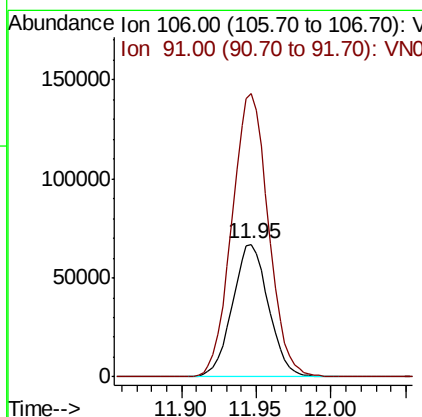
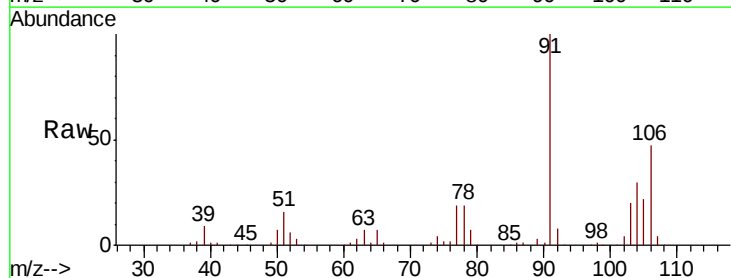
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

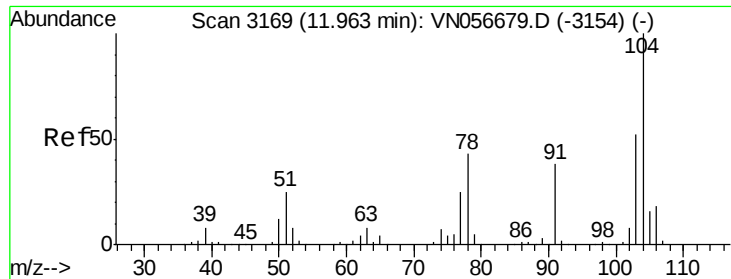
Tot Ion:106 Resp: 230721
Ion Ratio Lower Upper
106 100
91 203.5 161.8 242.8



#68
o-Xylene
Concen: 19.320 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion:106 Resp: 112361
Ion Ratio Lower Upper
106 100
91 216.1 108.1 324.2

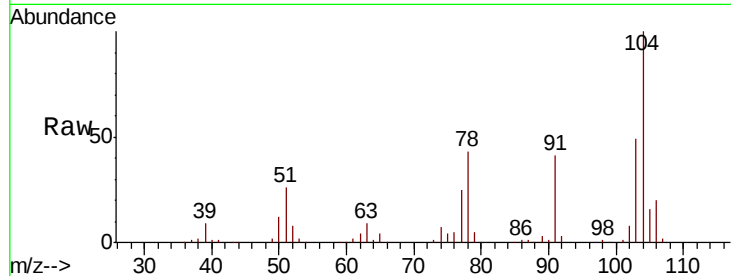




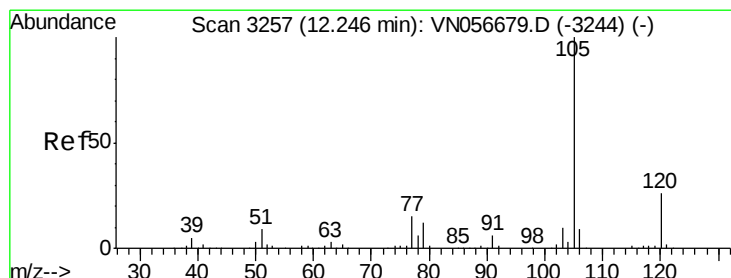
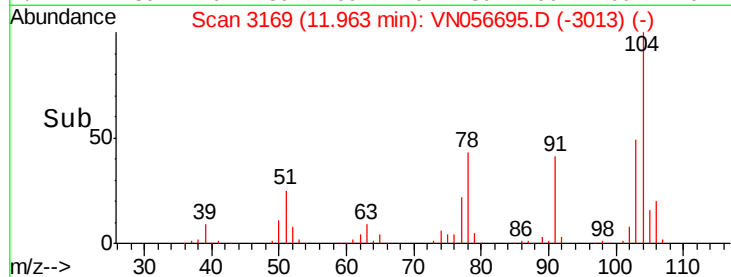
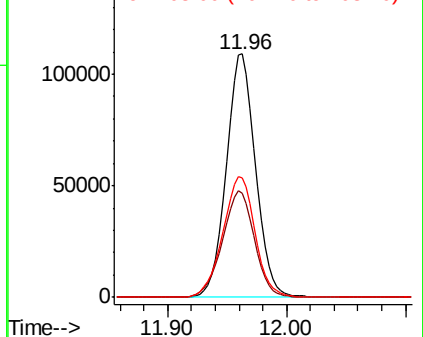
#69
Stvrene
Concen: 19.263 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion:104 Resp: 185641
Ion Ratio Lower Upper
104 100
78 48.0 38.7 58.1
103 54.6 45.0 67.4

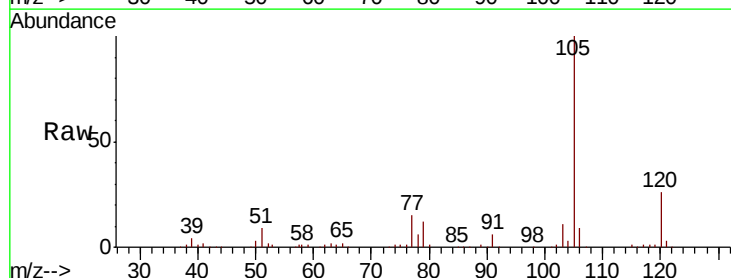


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

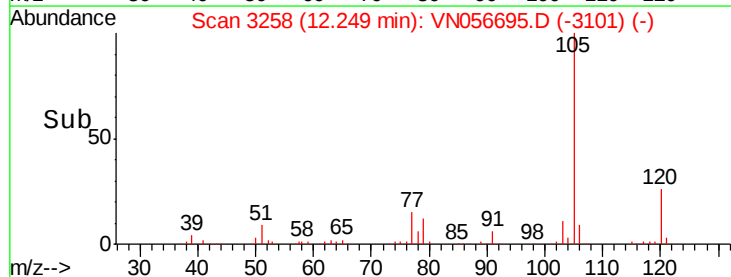
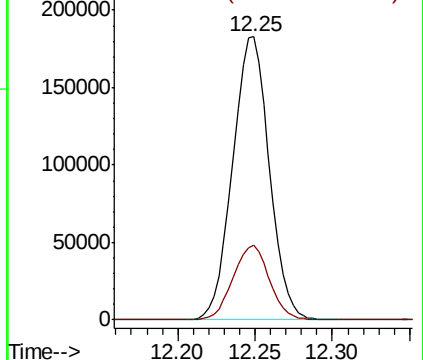


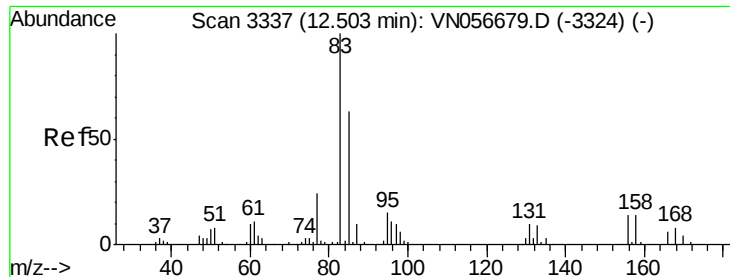
#70
Isopropylbenzene
Concen: 19.666 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion:105 Resp: 299810
Ion Ratio Lower Upper
105 100
120 26.2 18.6 34.5



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

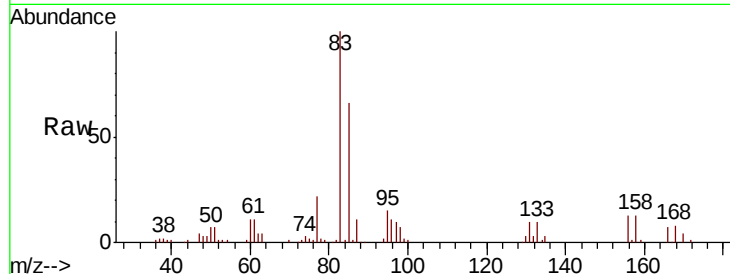




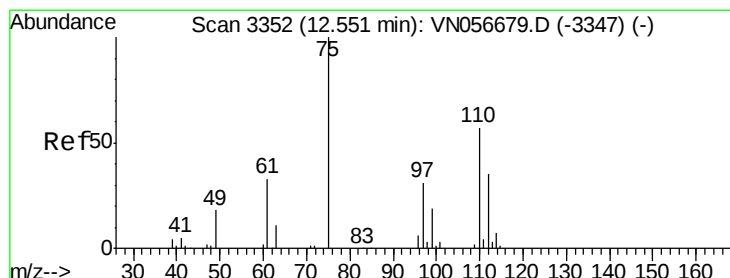
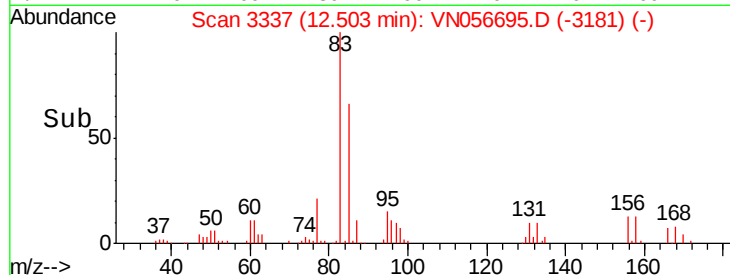
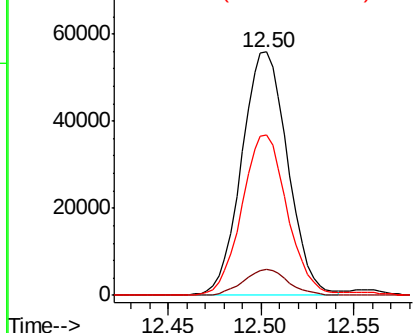
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.586 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 83 Resp: 96914
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.1 15.3
 85 64.8 31.9 95.7

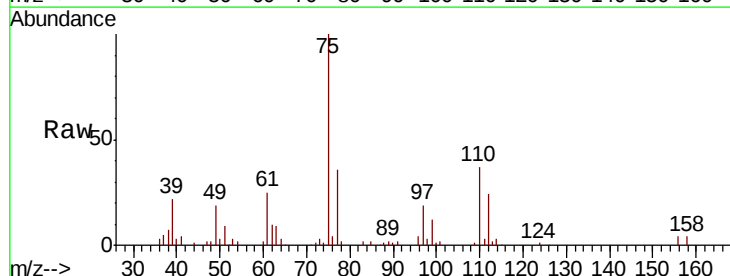


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

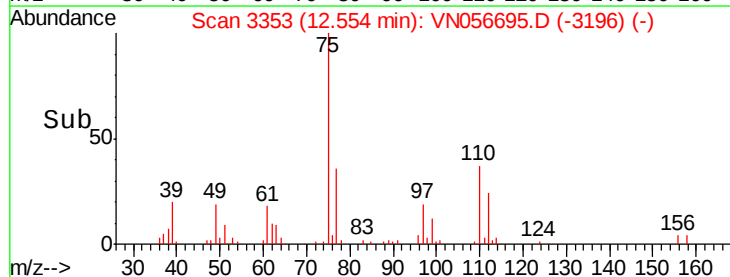
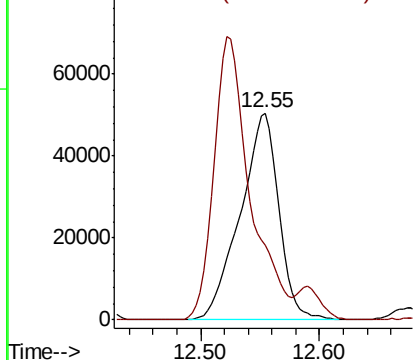


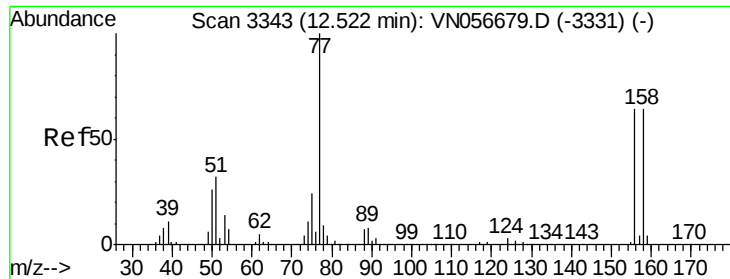
#72
 1,2,3-Trichloropropane
 Concen: 26.769 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion: 75 Resp: 113206
 Ion Ratio Lower Upper
 75 100
 77 128.3 0.0 352.2



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





#73

Bromobenzene

Concen: 19.211 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

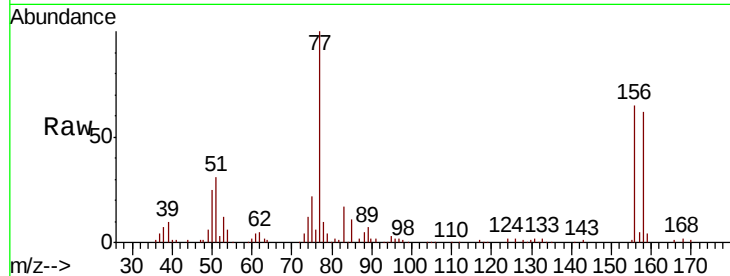
Tot Ion:156 Resp: 76532

Ion Ratio Lower Upper

156 100

77 189.7 0.0 381.8

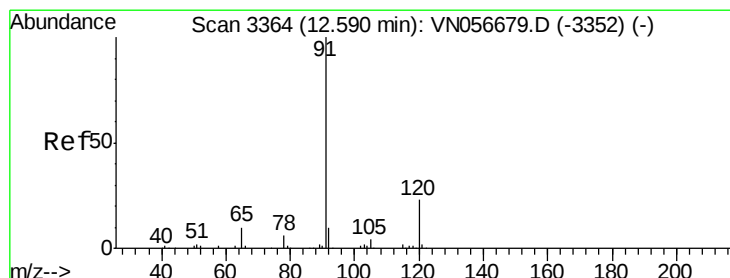
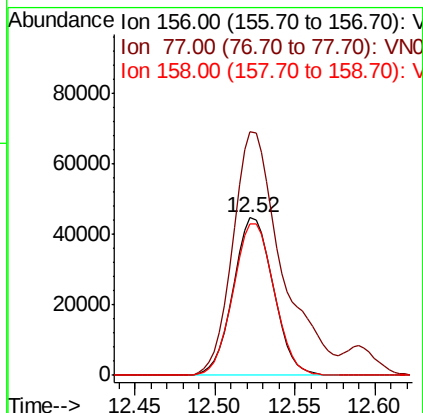
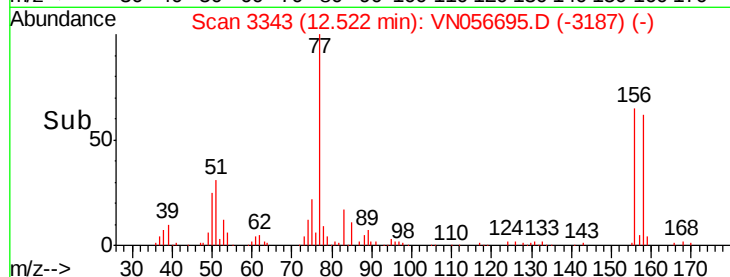
158 98.0 0.0 195.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.842 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056695.D

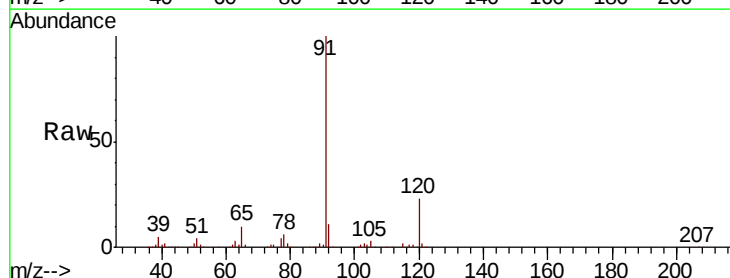
Acq: 12 Jul 2019 18:14

Tgt Ion: 91 Resp: 324069

Ion Ratio Lower Upper

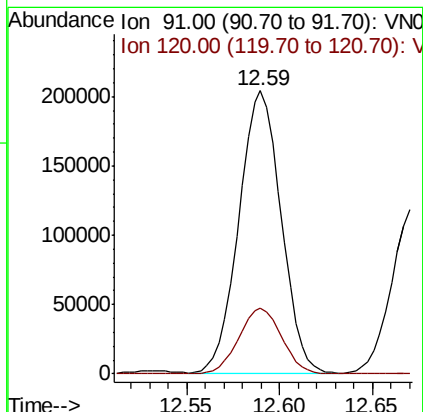
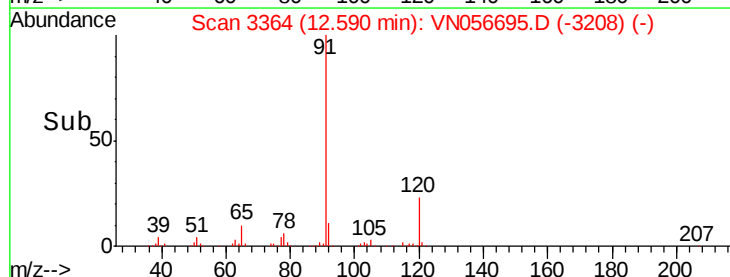
91 100

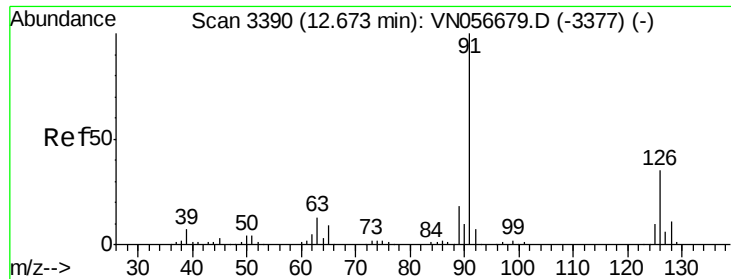
120 23.4 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.745 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

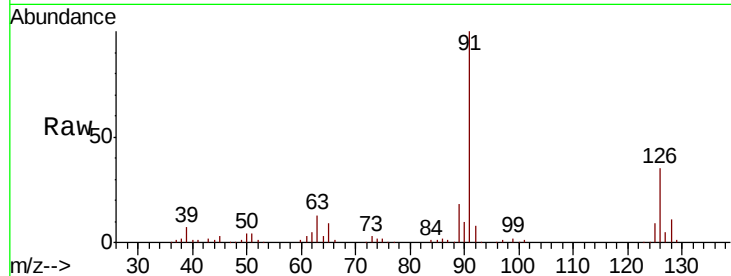
VSTDCCC020EC

Tot Ion: 91 Resp: 204527

Ion Ratio Lower Upper

91 100

126 34.8 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) (-)

200000

150000

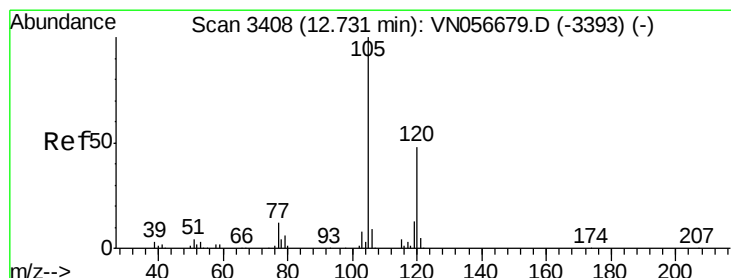
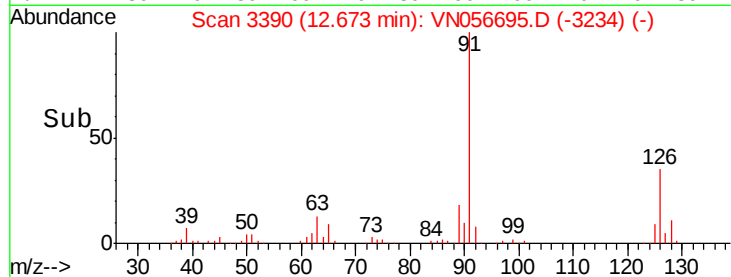
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.544 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056695.D

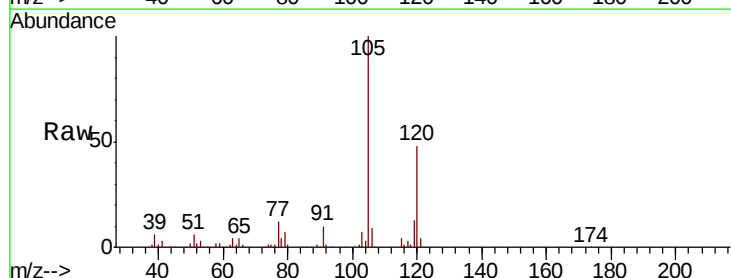
Acq: 12 Jul 2019 18:14

Tgt Ion:105 Resp: 254129

Ion Ratio Lower Upper

105 100

120 48.6 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) (-)

150000

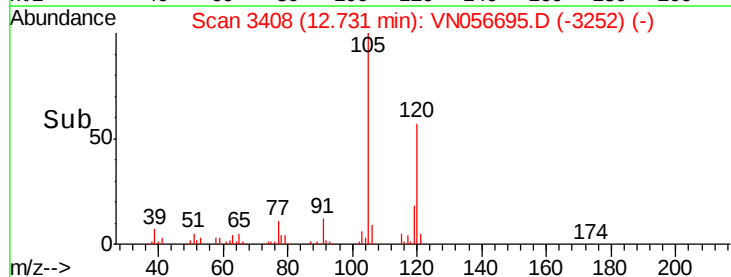
100000

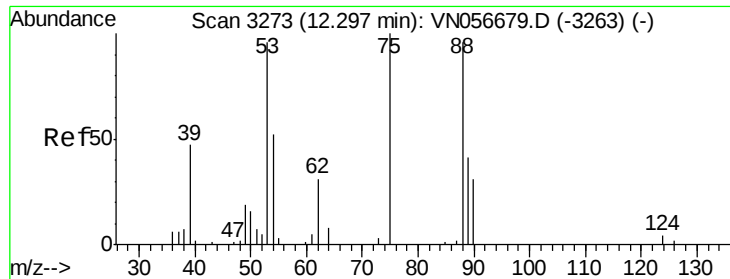
50000

0

12.65 12.70 12.75 12.80

Time-->

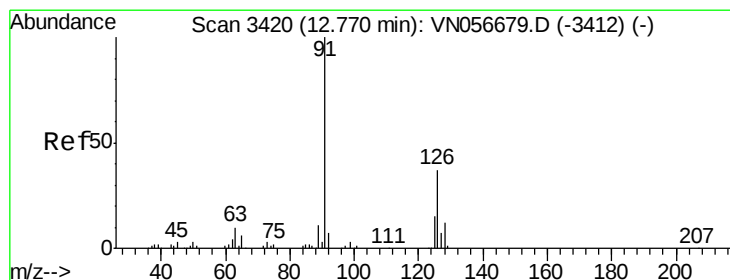
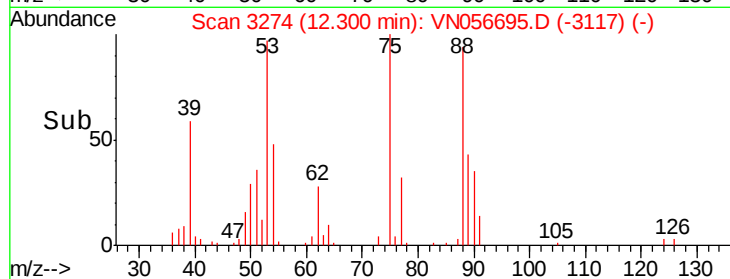
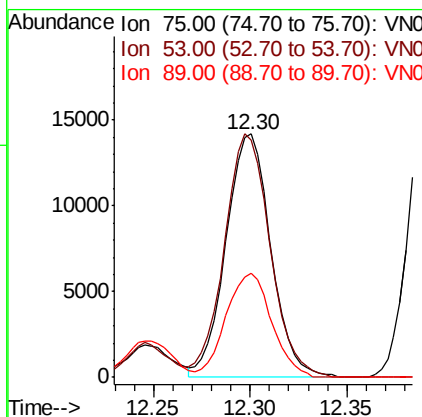
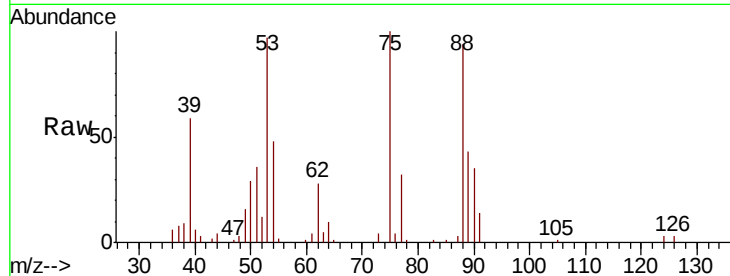




#77
t-1,4-Dichloro-2-butene
Concen: 16.284 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

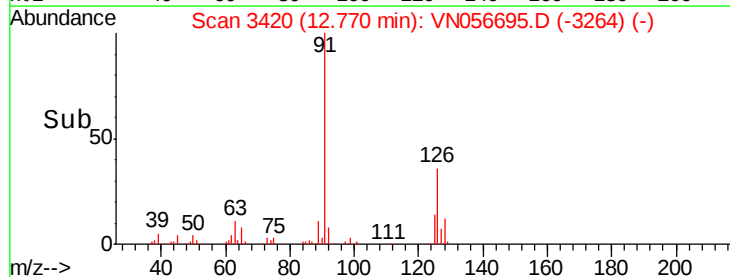
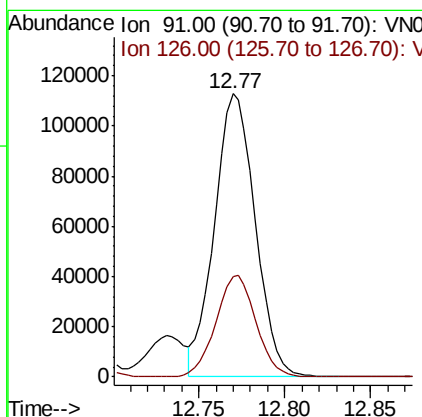
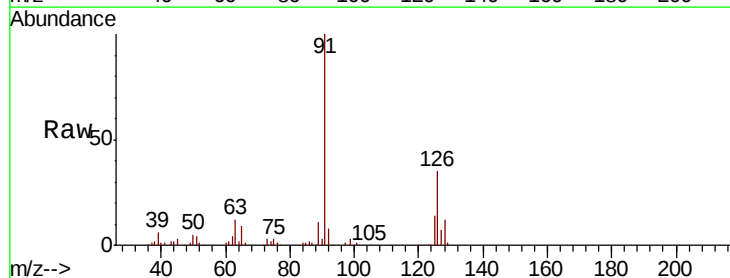
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

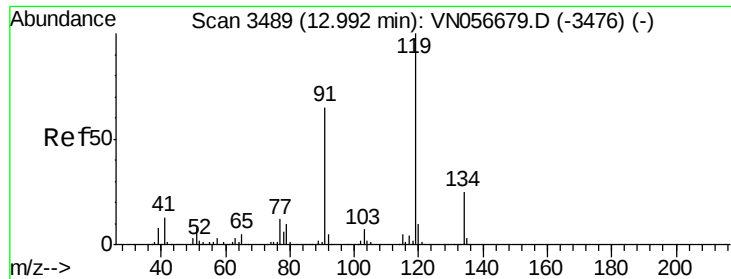
Tot Ion: 75 Resp: 22892
Ion Ratio Lower Upper
75 100
53 97.4 48.6 145.8
89 42.6 21.3 64.0



#78
4-Chlorotoluene
Concen: 18.455 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 91 Resp: 185372
Ion Ratio Lower Upper
91 100
126 35.5 0.0 69.4

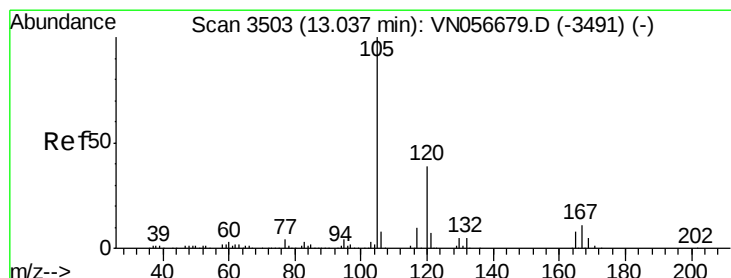
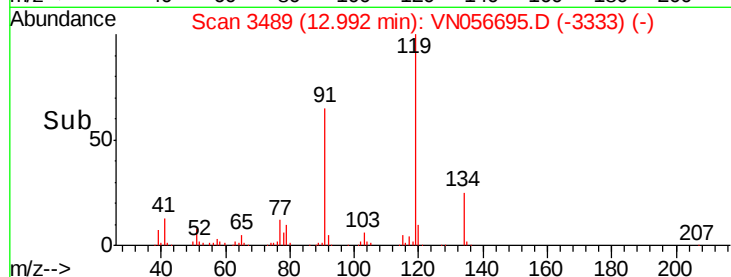
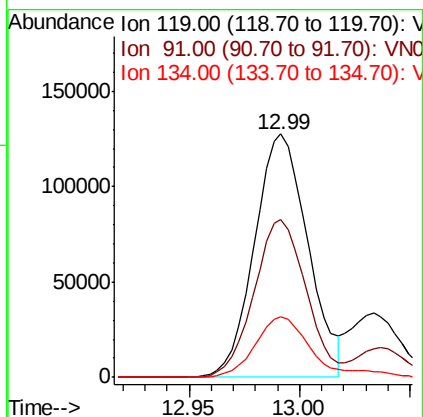
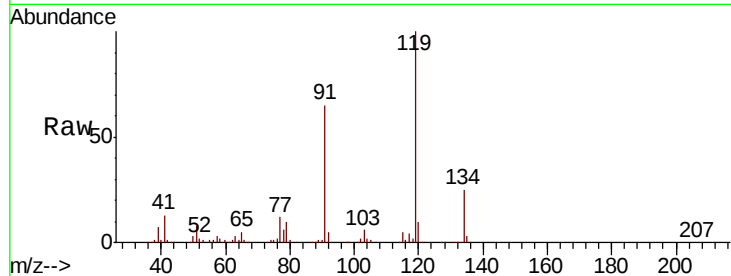




#79
tert-butylbenzene
Concen: 19.406 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

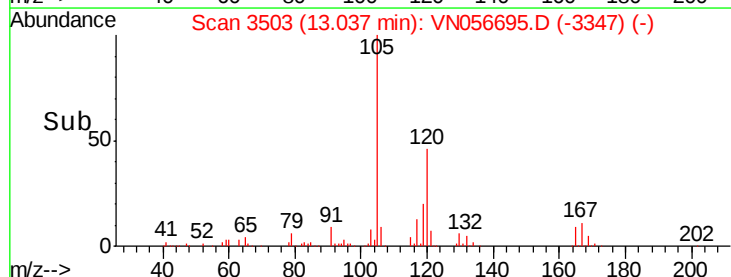
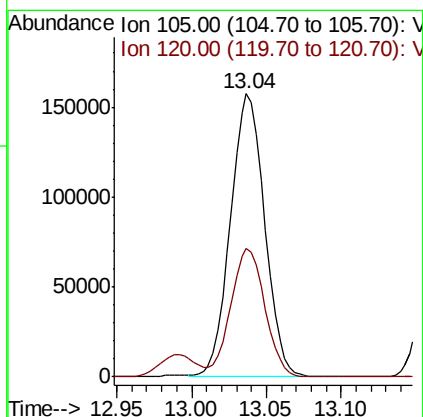
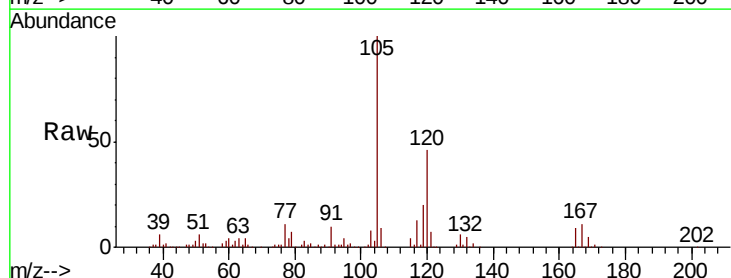
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

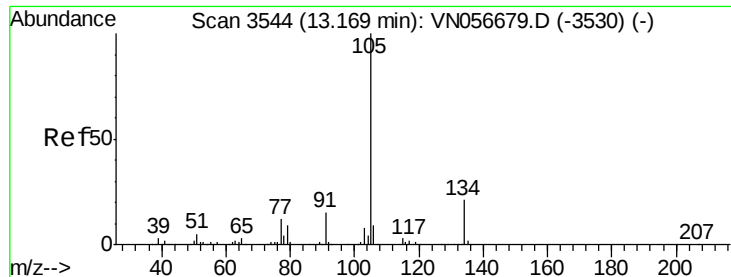
Tot Ion:119 Resp: 214666
Ion Ratio Lower Upper
119 100
91 62.9 0.0 125.4
134 24.8 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 19.425 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion:105 Resp: 250505
Ion Ratio Lower Upper
105 100
120 45.2 0.0 91.2





#81

sec-Butylbenzene

Concen: 19.270 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

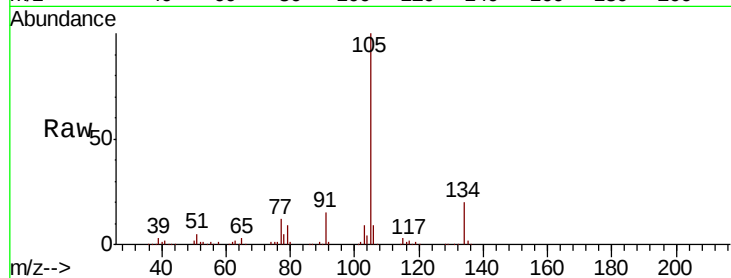
VSTDCCC020EC

Tot Ion:105 Resp: 282147

Ion Ratio Lower Upper

105 100

134 20.1 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

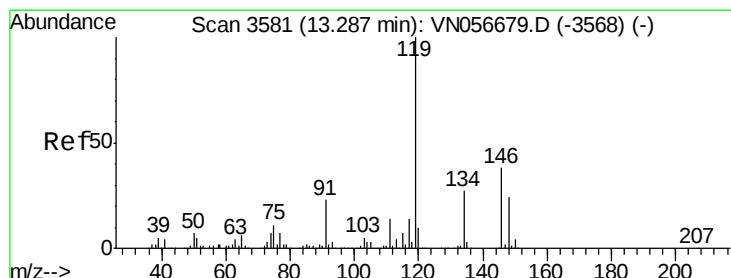
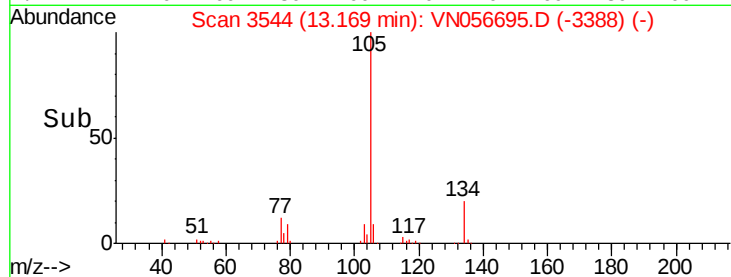
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 19.147 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

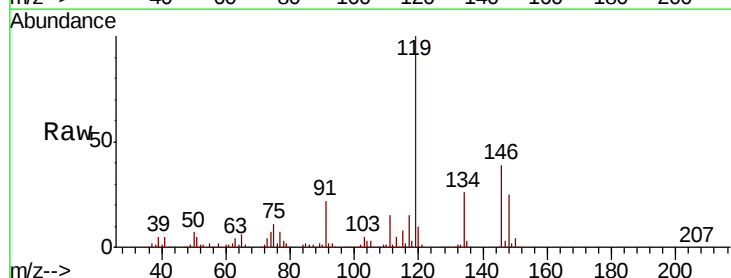
Tgt Ion:119 Resp: 254958

Ion Ratio Lower Upper

119 100

134 26.2 0.0 52.8

91 22.1 0.0 45.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

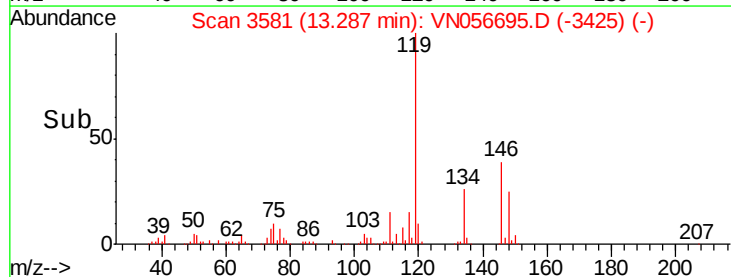
150000

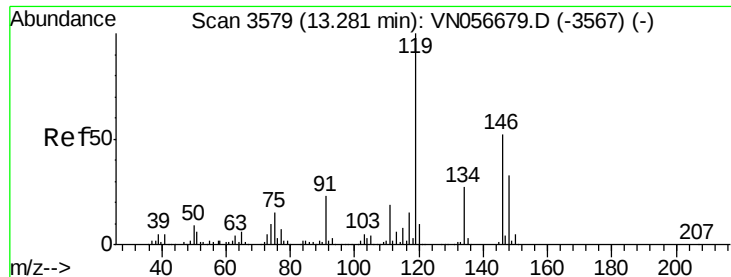
100000

50000

0

Time-->

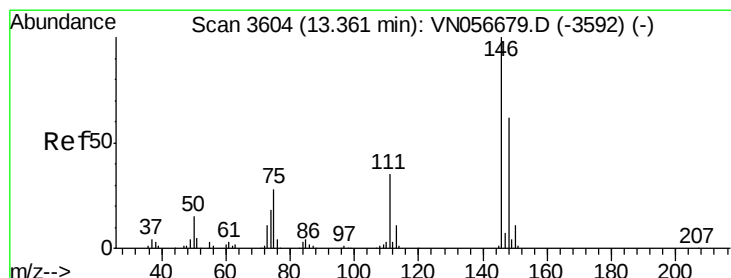
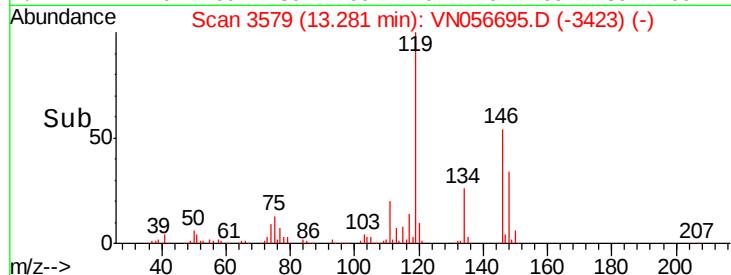
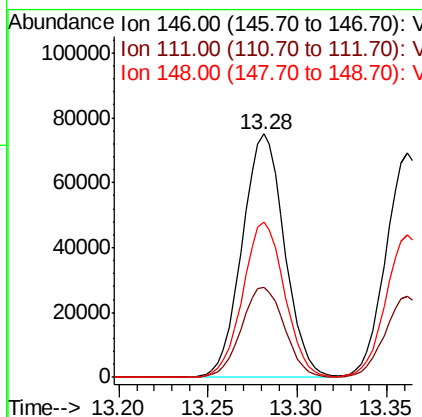
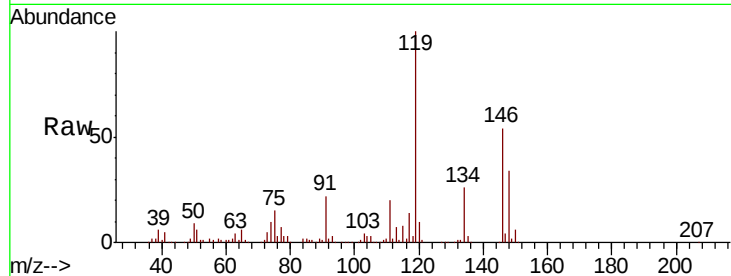




#83
1,3-Dichlorobenzene
Concen: 18.713 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

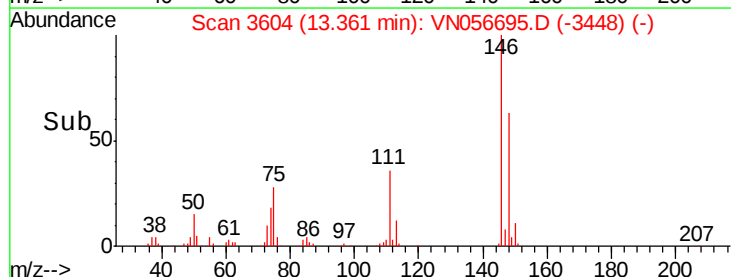
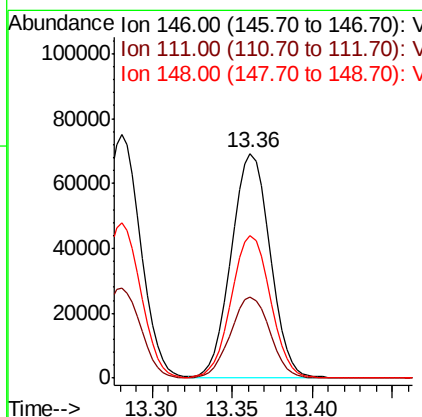
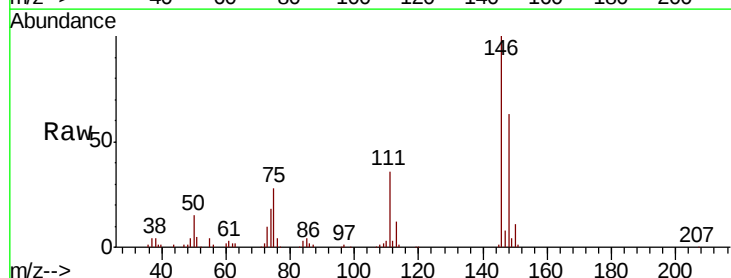
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

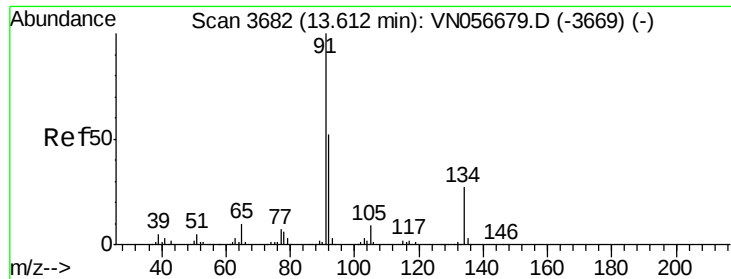
Tot Ion:146 Resp: 124249
Ion Ratio Lower Upper
146 100
111 37.6 18.7 56.1
148 63.0 31.8 95.4



#84
1,4-Dichlorobenzene
Concen: 18.029 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion:146 Resp: 114750
Ion Ratio Lower Upper
146 100
111 36.5 17.8 53.4
148 63.9 31.9 95.5





#85

n-Butylbenzene

Concen: 17.794 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

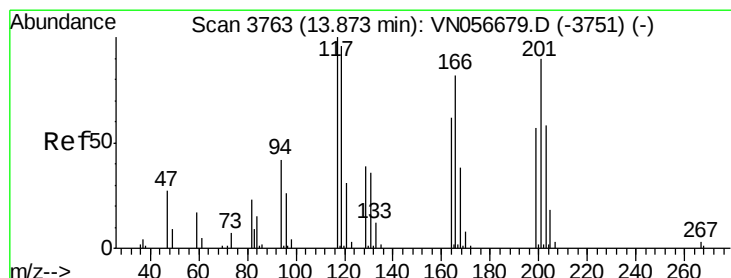
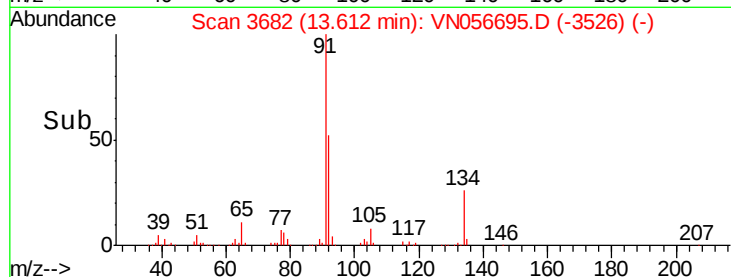
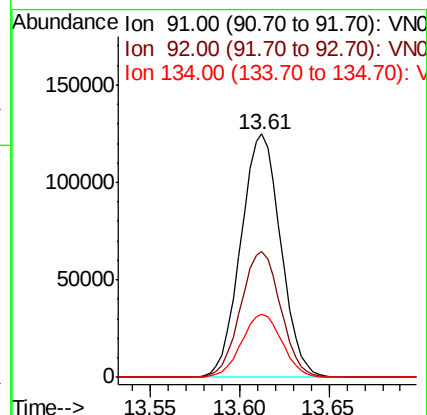
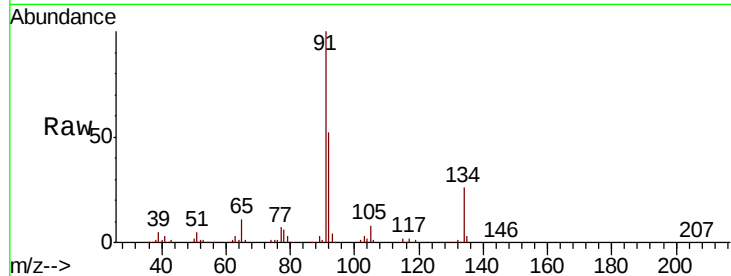
Tot Ion: 91 Resp: 195436

Ion Ratio Lower Upper

91 100

92 51.9 0.0 104.0

134 26.4 0.0 53.2



#86

Hexachloroethane

Concen: 18.372 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056695.D

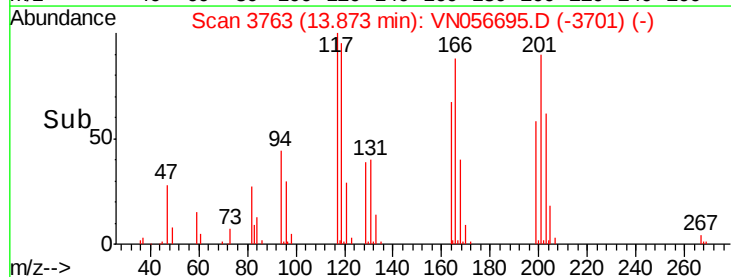
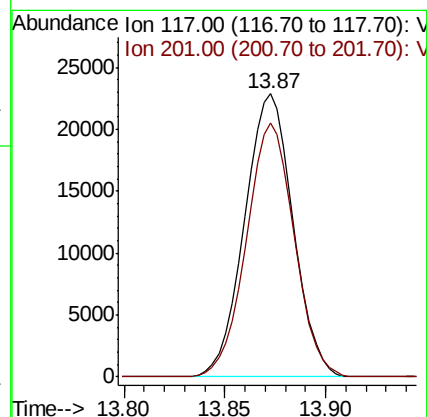
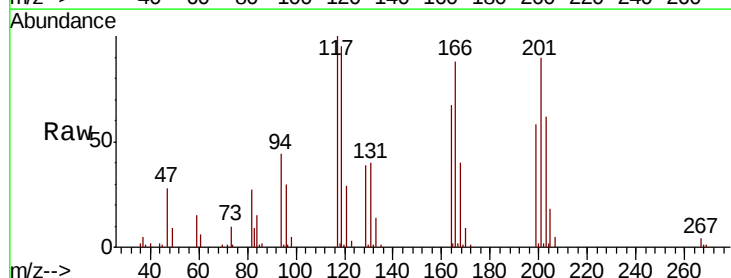
Acq: 12 Jul 2019 18:14

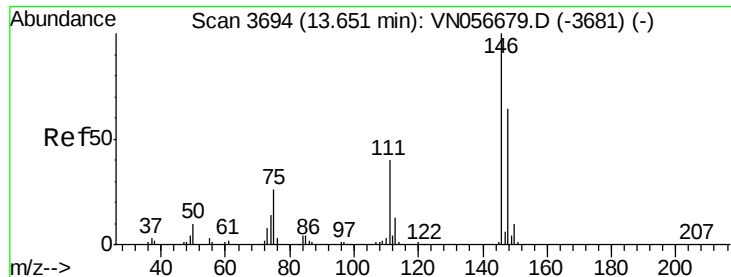
Tgt Ion: 117 Resp: 38385

Ion Ratio Lower Upper

117 100

201 88.6 45.6 136.7





#87

1,2-Dichlorobenzene

Concen: 19.009 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

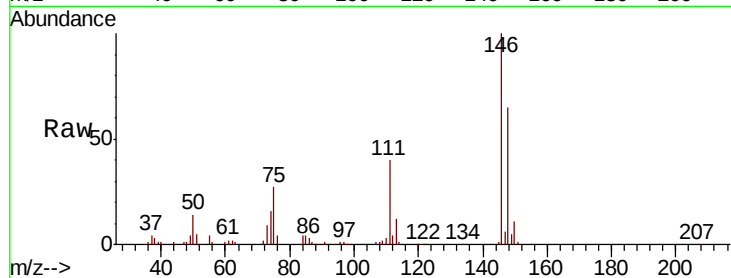
Tot Ion:146 Resp: 126837

Ion Ratio Lower Upper

146 100

111 39.6 19.7 59.0

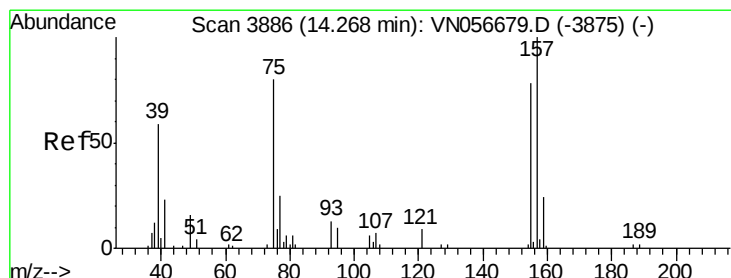
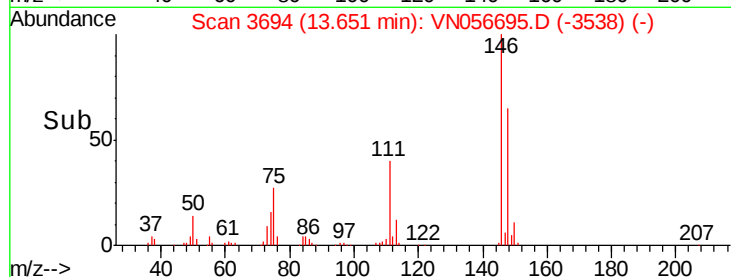
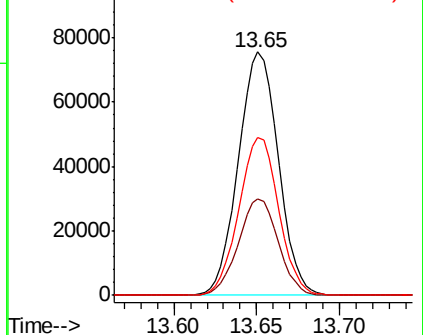
148 64.6 32.7 98.1



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: 18.382 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

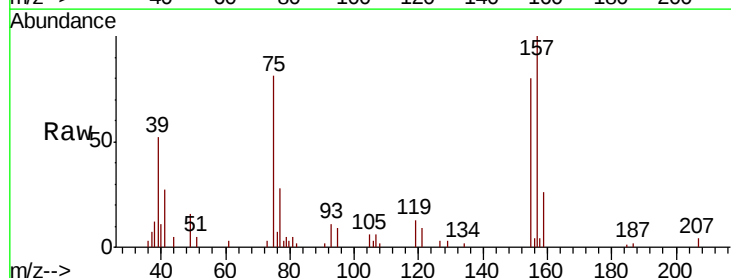
Tgt Ion: 75 Resp: 15692

Ion Ratio Lower Upper

75 100

155 95.6 78.6 117.8

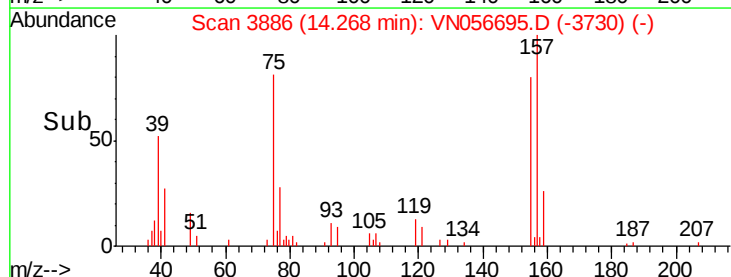
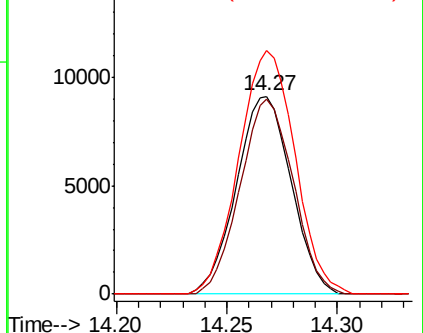
157 126.4 99.3 148.9

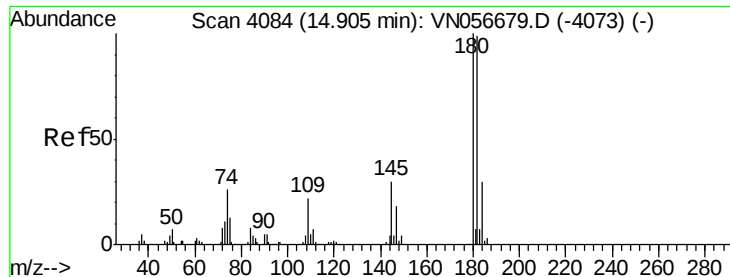


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

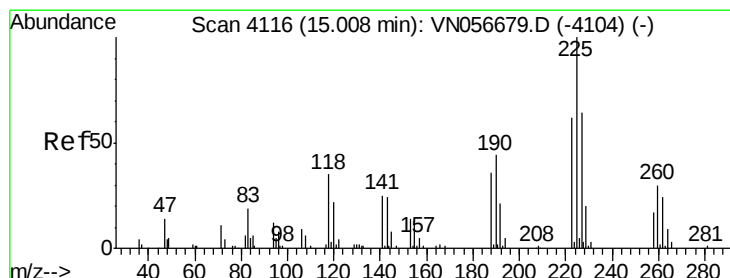
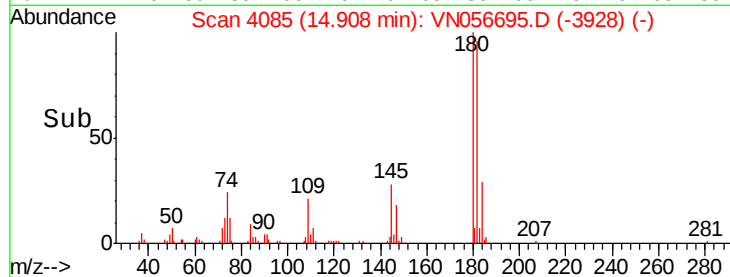
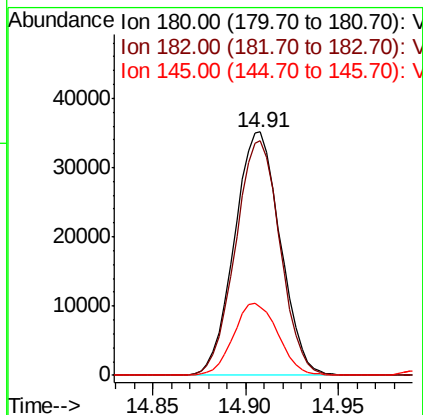
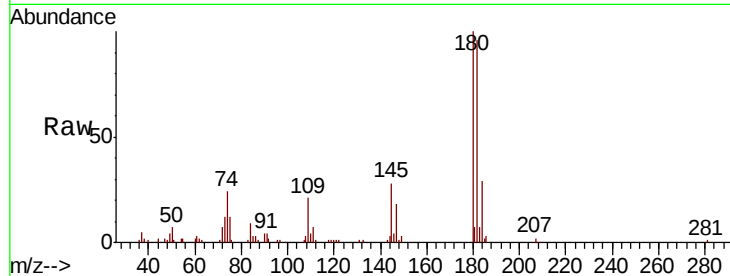




#89
 1,2,4-Trichlorobenzene
 Concen: 16.843 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

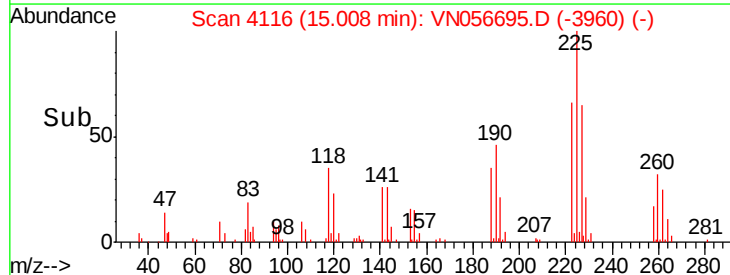
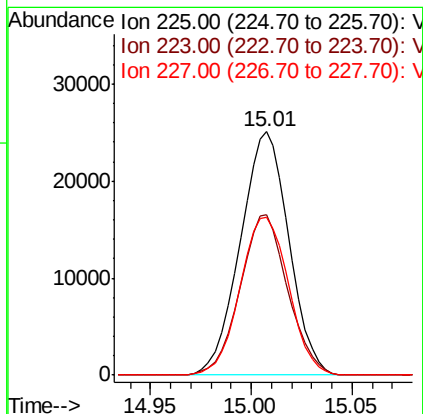
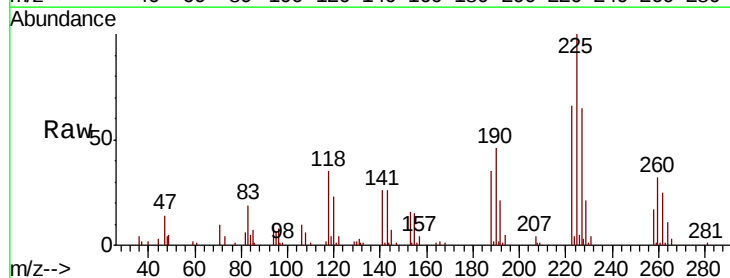
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

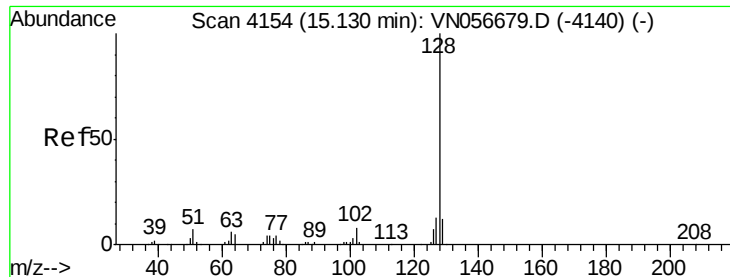
Tot Ion:180 Resp: 60450
 Ion Ratio Lower Upper
 180 100
 182 93.7 78.2 117.4
 145 28.8 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 18.112 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion:225 Resp: 42265
 Ion Ratio Lower Upper
 225 100
 223 64.6 0.0 124.6
 227 65.1 0.0 128.6





#91

Naphthalene

Concen: 15.726 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

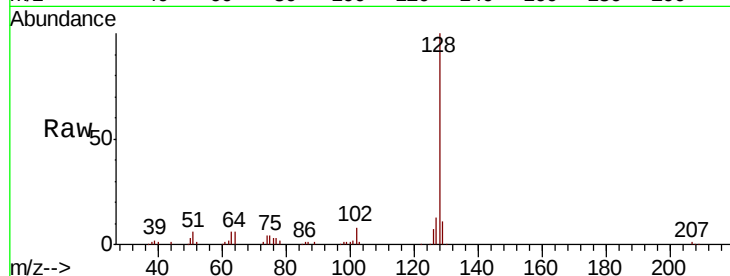
Tot Ion:128 Resp: 151805

Ion Ratio Lower Upper

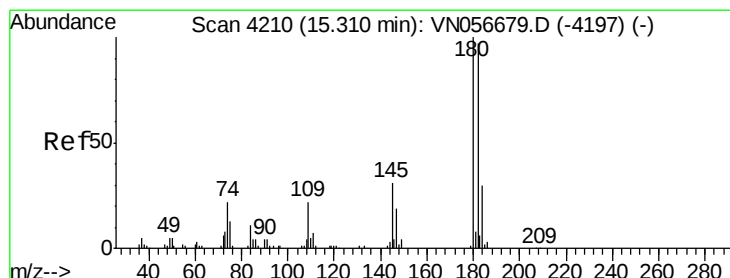
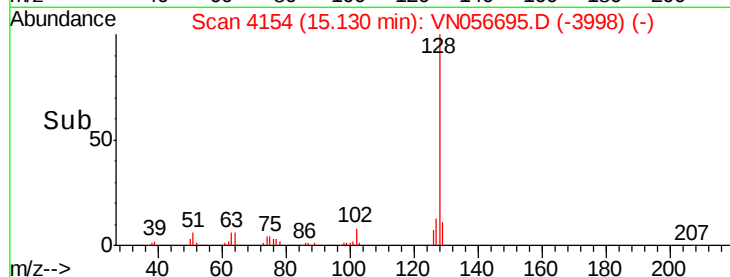
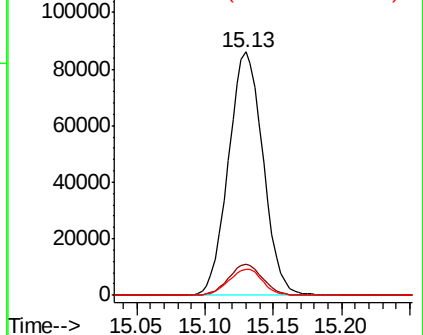
128 100

127 12.5 10.4 15.6

129 10.5 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: 17.064 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

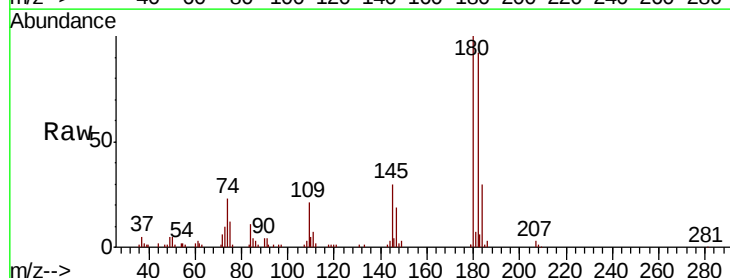
Tgt Ion:180 Resp: 64217

Ion Ratio Lower Upper

180 100

182 91.5 0.0 192.4

145 30.0 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

