

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056688.D
 Acq On : 12 Jul 2019 14:26
 Operator : JC/SP
 Sample : VN0713WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 00:10:05 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	53678	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	290250	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	257440	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	108655	29.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.60%
60) 4-Bromofluorobenzene	12.40	95	115892	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	10.09	98	358896	30.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	59052	19.360 ug/l	98
3) Chloromethane	2.06	50	78674	19.286 ug/l	98
4) Vinyl Chloride	2.19	62	76834	19.149 ug/l	97
5) Bromomethane	2.56	94	48454	19.159 ug/l	96
6) Chloroethane	2.70	64	43015	18.762 ug/l	96
7) Trichlorofluoromethane	3.01	101	101006	19.627 ug/l	96
8) Diethyl Ether	3.41	74	40080	19.045 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	60957	18.995 ug/l	98
10) 1,1-Dichloroethene	3.73	96	61237	19.343 ug/l	99
11) Methyl Iodide	3.95	142	74928	17.809 ug/l	97
12) Methyl Acetate	4.33	43	79888	18.851 ug/l	99
13) Acrolein	3.61	56	24653	82.512 ug/l	99
14) Acrylonitrile	4.99	53	183371	98.226 ug/l	100
15) Acetone	3.82	58	51554	80.002 ug/l	98
16) Carbon Disulfide	4.05	76	152240	18.232 ug/l	100
17) Allyl chloride	4.32	41	103892	18.760 ug/l	98
18) Methylene Chloride	4.55	84	71923	19.350 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	64810	19.122 ug/l	99
20) Diisopropyl ether	5.95	45	215543	19.533 ug/l	99
21) 1,1-Dichloroethane	5.85	63	121805	19.319 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	76151	19.215 ug/l	99
23) tert-Butyl Alcohol	4.79	59	66141	101.565 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	193713	19.184 ug/l	99
25) Chloroform	7.37	83	119532	19.460 ug/l	99
26) Cyclohexane	7.65	56	110935	18.929 ug/l #	99
29) 1,1-Dichloropropene	7.79	75	89512	19.401 ug/l	99
30) 2-Butanone	6.84	43	251059	93.985 ug/l	99
31) 2,2-Dichloropropane	6.83	77	81000	18.140 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	96802	19.683 ug/l	99
33) Carbon Tetrachloride	7.77	117	81396	19.233 ug/l	97
34) Benzene	8.04	78	283462	19.996 ug/l	99
35) Methacrylonitrile	7.17	41	33700	16.514 ug/l	97
36) 1,2-Dichloroethane	8.13	62	89807	19.721 ug/l	100
37) Trichloroethene	8.84	130	73692	19.141 ug/l	96
38) Methylcyclohexane	9.08	83	109997	18.872 ug/l	99
39) 1,2-Dichloropropane	9.12	63	77194	20.287 ug/l	98
40) Dibromomethane	9.21	93	47699	19.681 ug/l	99

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Instrument :
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 ClientSampleId :

Quant Time: Jul 13 00:10:05 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)
41) Bromodichloromethane	9.40	83	86301	19.321	ug/l	100
42) Vinyl Acetate	5.90	43	887602	99.839	ug/l	100
43) Ethyl Acetate	6.93	43	102589	21.253	ug/l	97
44) Isopropyl Acetate	8.17	43	149441	19.849	ug/l #	89
45) 1,4-Dioxane	9.20	88	31363	411.759	ug/l	96
46) Methyl methacrylate	9.20	41	73541	20.332	ug/l	100
47) n-amyl Acetate	12.07	43	114627	18.616	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	89397	18.195	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	104653	18.881	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	69781	19.763	ug/l	99
51) Ethyl methacrylate	10.43	69	103674	19.089	ug/l	99
52) 1,3-Dichloropropane	10.71	76	117797	19.938	ug/l	99
53) Dibromochloromethane	10.90	129	67472	18.907	ug/l	98
54) 1,2-Dibromoethane	11.00	107	72142	19.658	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	255962	97.458	ug/l	99
56) Bromoform	12.13	173	48405	18.323	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	491879	101.514	ug/l	100
59) 2-Hexanone	10.75	43	358616	97.502	ug/l	99
61) Tetrachloroethene	10.63	164	72291	19.542	ug/l	96
62) Toluene	10.16	91	297948	19.704	ug/l	99
64) Chlorobenzene	11.43	112	179418	19.455	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	65986	19.516	ug/l	99
66) Ethyl Benzene	11.51	91	312050	19.092	ug/l	98
67) m/p-Xylenes	11.62	106	238125	38.605	ug/l	99
68) o-Xylene	11.95	106	115567	19.209	ug/l	99
69) Styrene	11.96	104	191181	19.178	ug/l	99
70) Isopropylbenzene	12.25	105	306668	19.446	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	102973	20.118	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	120307	27.500	ug/l	64
73) Bromobenzene	12.53	156	78799	19.121	ug/l	99
74) n-propylbenzene	12.59	91	332175	18.670	ug/l	99
75) 2-Chlorotoluene	12.67	91	205219	19.152	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	259825	19.316	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	25071	17.240	ug/l	97
78) 4-Chlorotoluene	12.77	91	190902	18.372	ug/l	99
79) tert-butylbenzene	12.99	119	217936	19.046	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	255619	19.162	ug/l	99
81) sec-Butylbenzene	13.17	105	284859	18.807	ug/l	100
82) p-Isopropyltoluene	13.29	119	256280	18.605	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	123757	18.018	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	118160	17.947	ug/l	99
85) n-Butylbenzene	13.61	91	199789	17.584	ug/l	99
86) Hexachloroethane	13.87	117	39964	18.491	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	127846	18.522	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16869	19.102	ug/l	97
89) 1,2,4-Trichlorobenzene	14.90	180	58754	15.825	ug/l	98
90) Hexachlorobutadiene	15.01	225	44100	18.269	ug/l	98
91) Naphthalene	15.13	128	157494	15.772	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	66601	17.108	ug/l	98

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Instrument :
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ClientSampleId :

Quant Time: Jul 13 00:10:05 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:58:13 2019
Response via : Initial Calibration

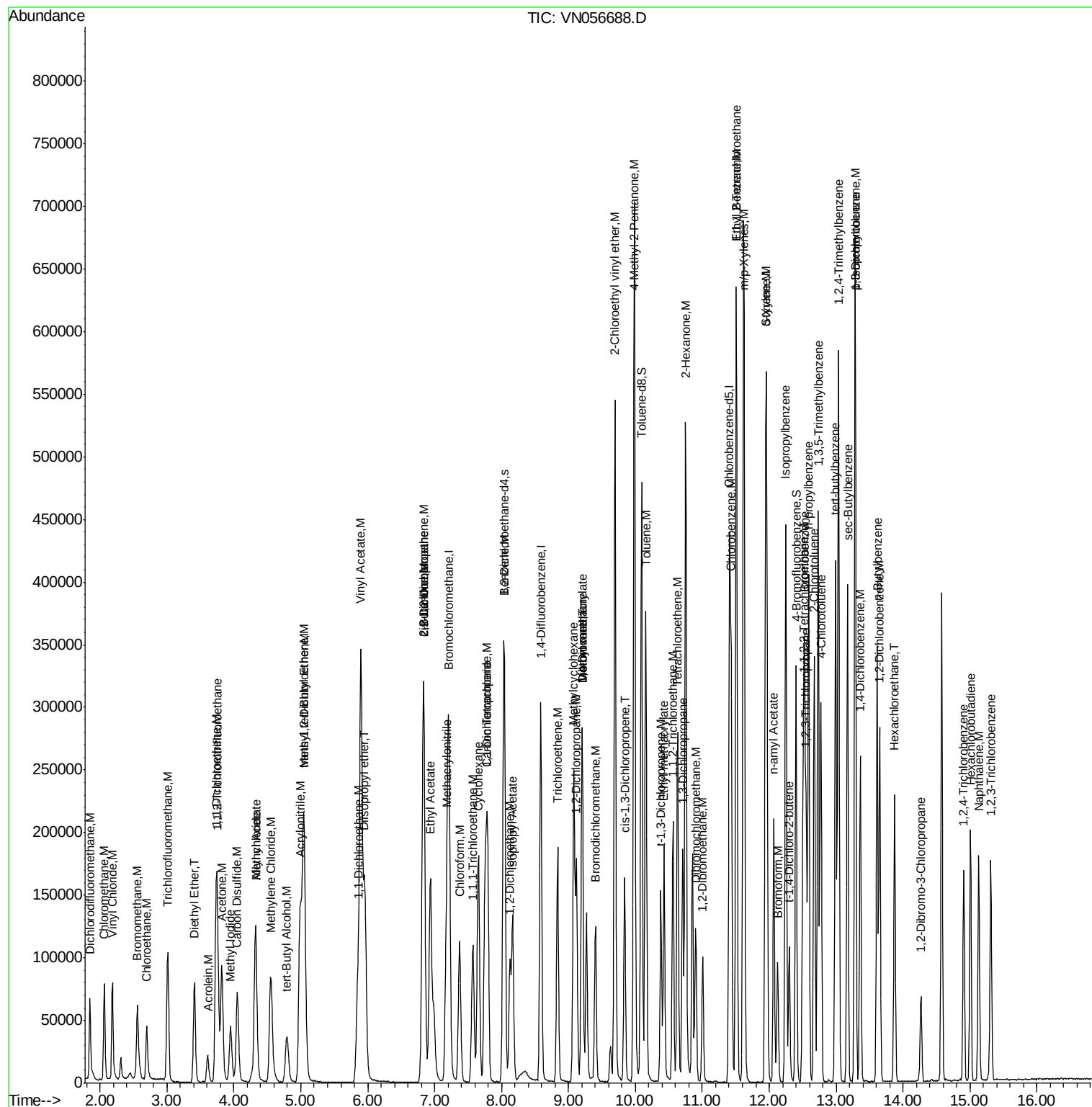
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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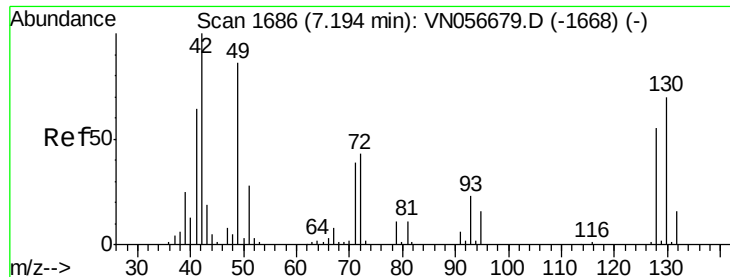
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 00:10:05 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :
MSVOA_N
ClientSampled :

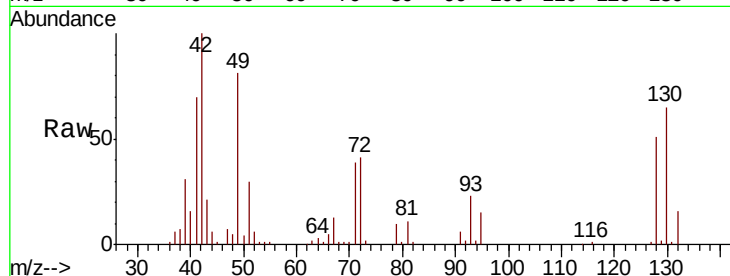
Tot Ion:128 Resp: 53678

Ion Ratio Lower Upper

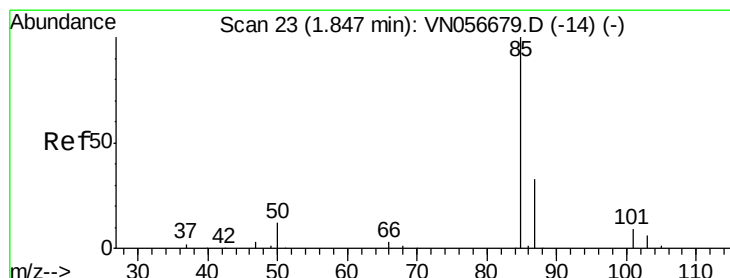
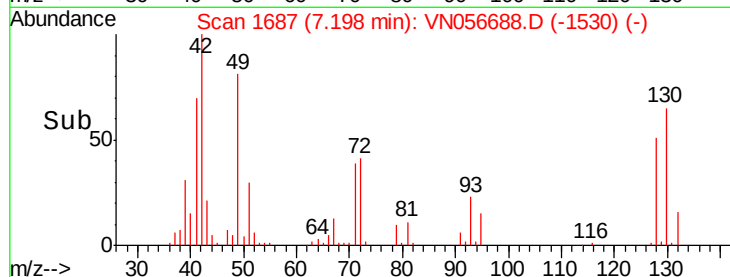
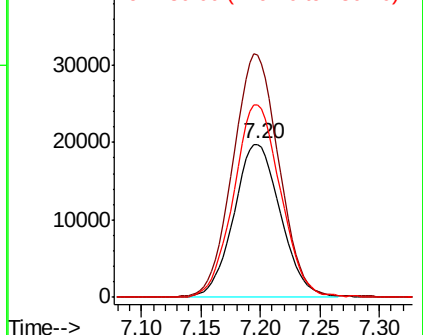
128 100

49 157.6 0.0 390.5

130 126.3 0.0 316.5



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



#2

Dichlorodifluoromethane

Concen: 19.360 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056688.D

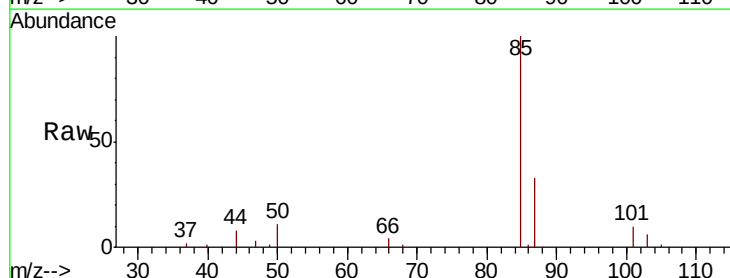
Acq: 12 Jul 2019 14:26

Tgt Ion: 85 Resp: 59052

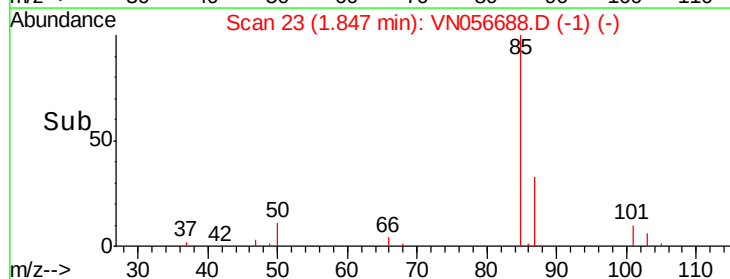
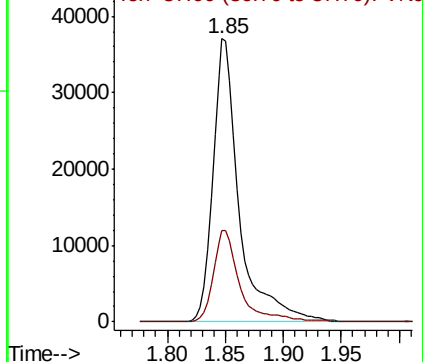
Ion Ratio Lower Upper

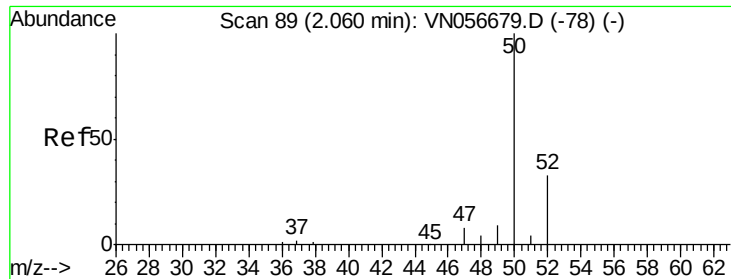
85 100

87 32.5 16.8 50.3



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





#3

Chloromethane

Concen: 19.286 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

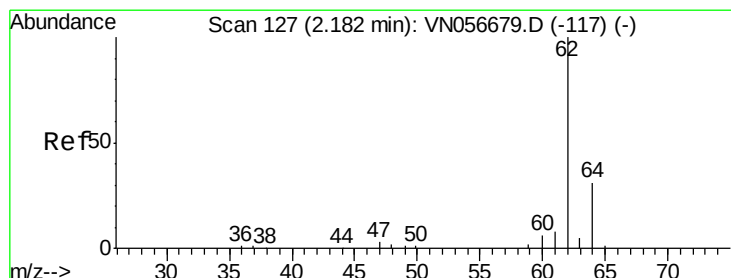
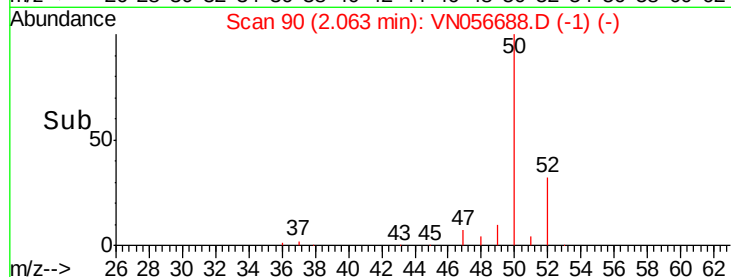
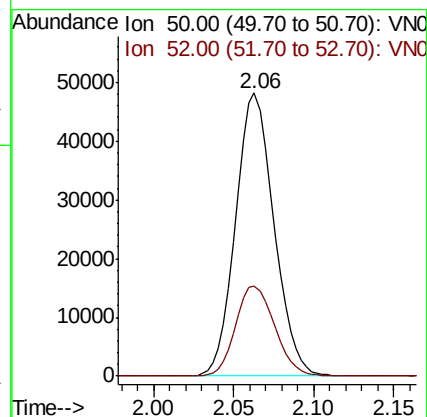
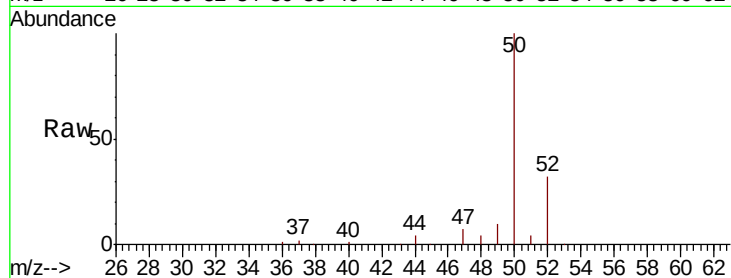
ClientSampled :

Tot Ion: 50 Resp: 78674

Ion Ratio Lower Upper

50 100

52 31.9 26.5 39.7



#4

Vinyl Chloride

Concen: 19.149 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056688.D

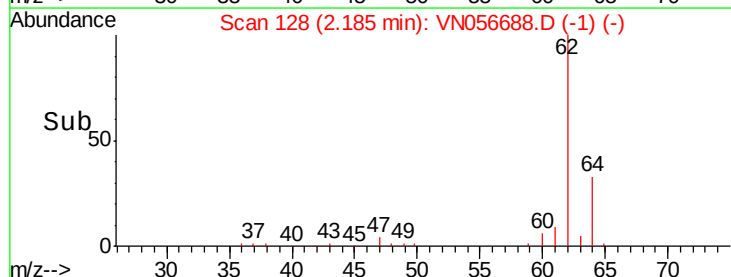
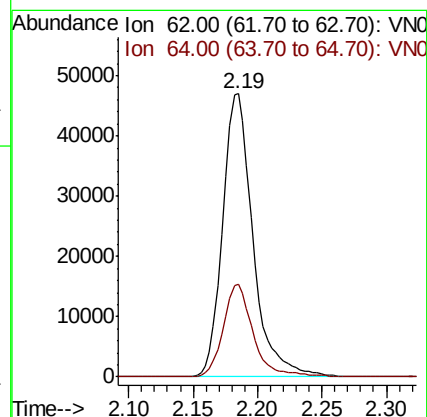
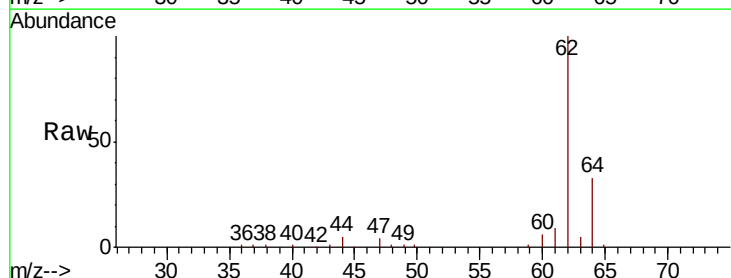
Acq: 12 Jul 2019 14:26

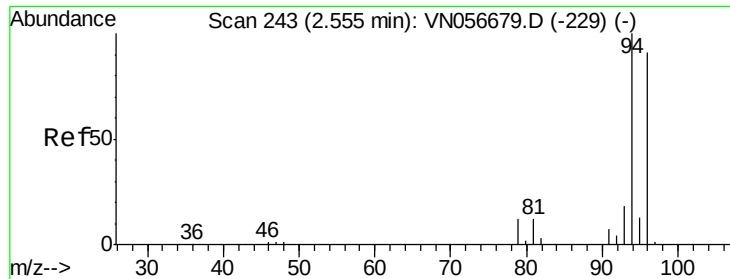
Tgt Ion: 62 Resp: 76834

Ion Ratio Lower Upper

62 100

64 32.8 25.0 37.4

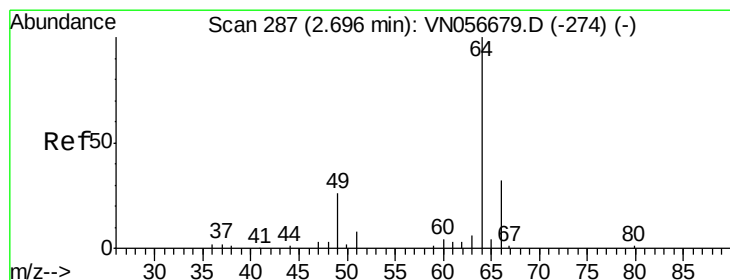
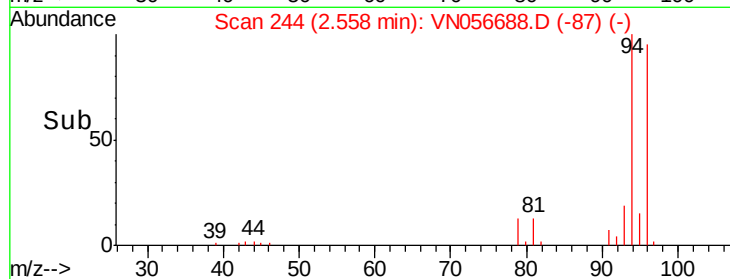
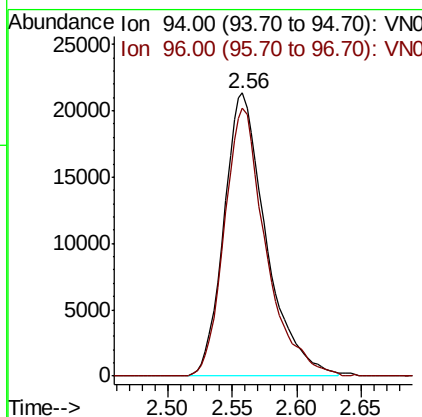
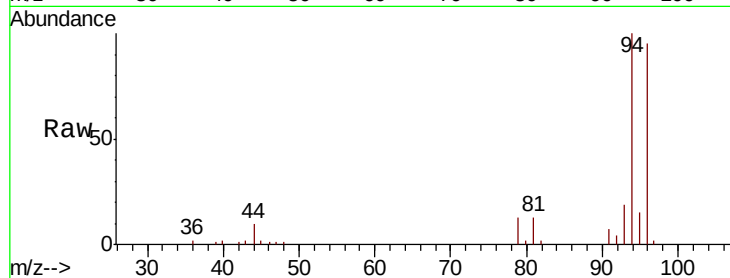




#5
Bromomethane
Concen: 19.159 ug/l
RT: 2.56 min Scan# 244
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

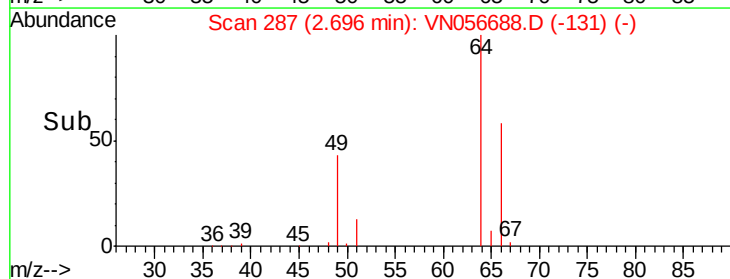
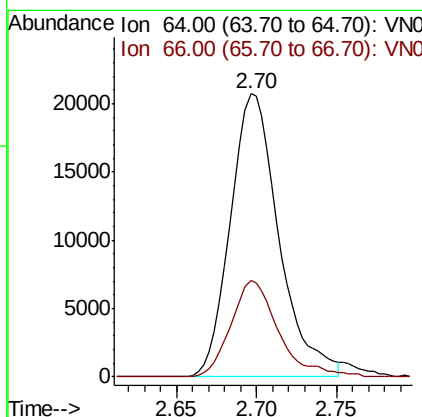
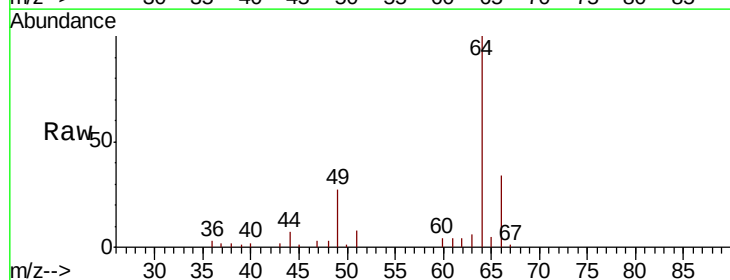
Instrument :
MSVOA_N
ClientSampled :

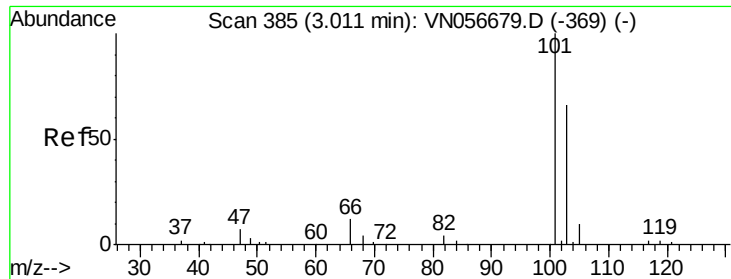
Tot Ion: 94 Resp: 48454
Ion Ratio Lower Upper
94 100
96 94.7 72.8 109.2



#6
Chloroethane
Concen: 18.762 ug/l
RT: 2.70 min Scan# 287
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Tgt Ion: 64 Resp: 43015
Ion Ratio Lower Upper
64 100
66 34.3 25.7 38.5



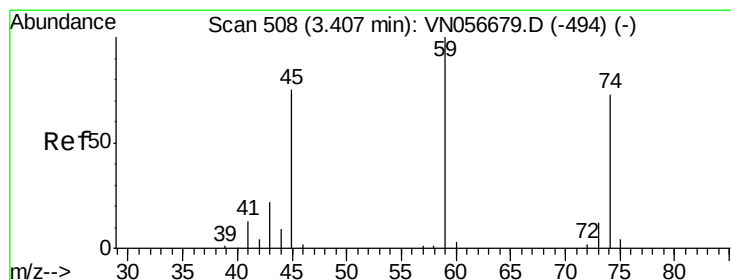
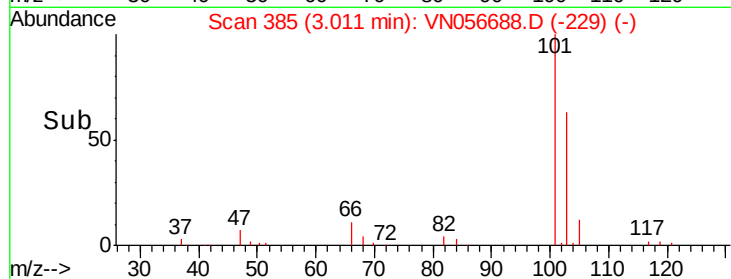
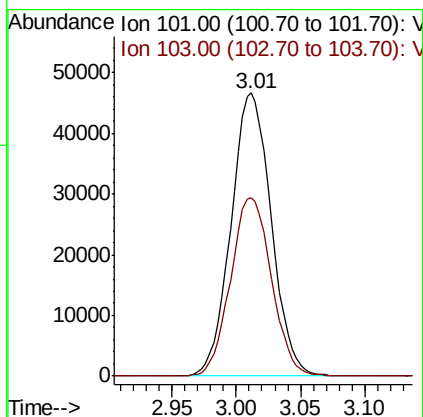
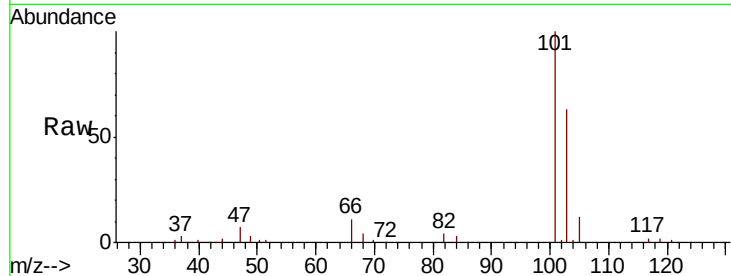


#7

Trichlorofluoromethane
 Concen: 19.627 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Instrument :
 MSVOA_N
 ClientSampled :

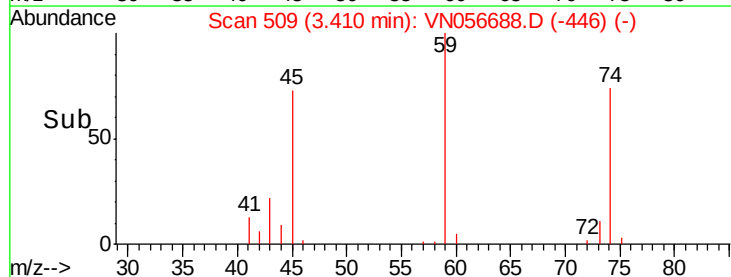
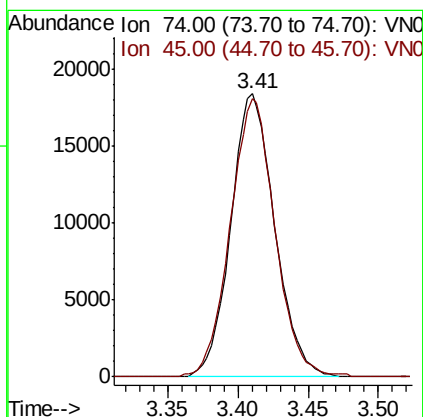
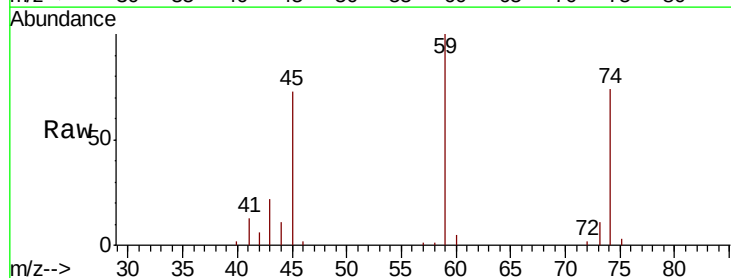
Tot Ion:101 Resp: 101006
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.8 79.2

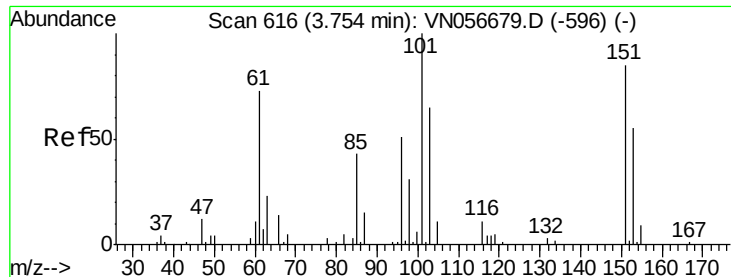


#8

Diethyl Ether
 Concen: 19.045 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Tgt Ion: 74 Resp: 40080
 Ion Ratio Lower Upper
 74 100
 45 99.8 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.995 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

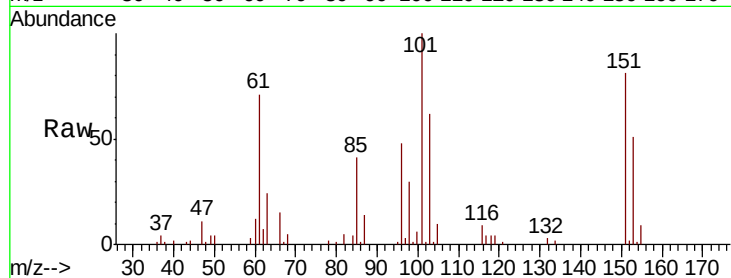
Tot Ion:101 Resp: 60957

Ion Ratio Lower Upper

101 100

85 40.8 0.0 84.2

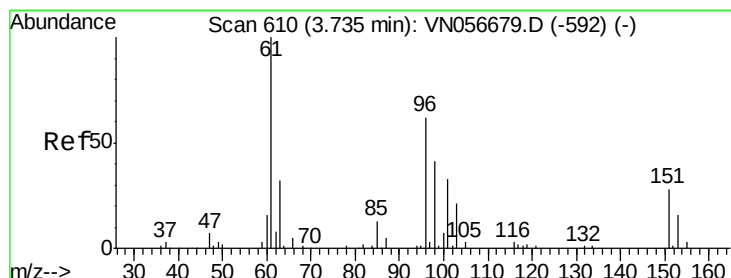
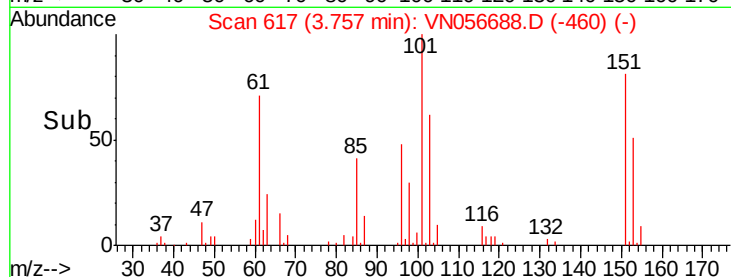
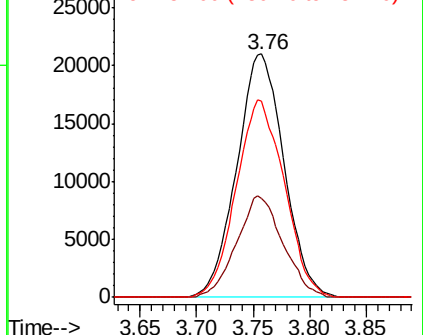
151 82.4 0.0 167.6



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: 19.343 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

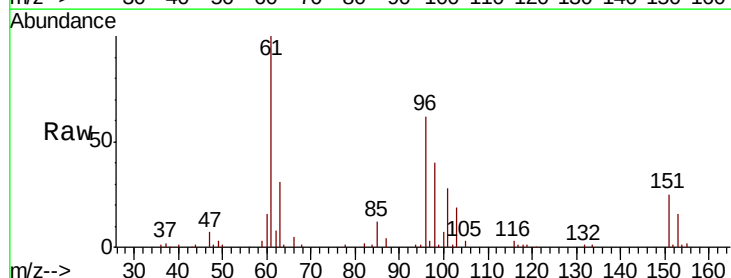
Tgt Ion: 96 Resp: 61237

Ion Ratio Lower Upper

96 100

61 160.1 129.0 193.4

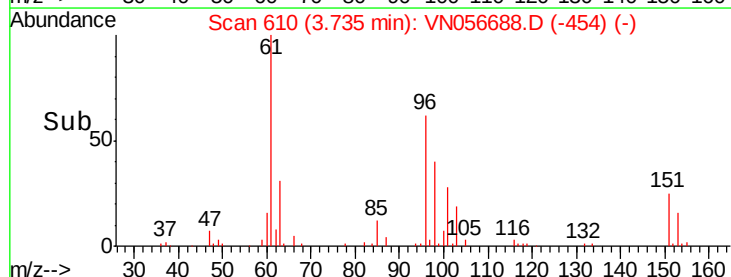
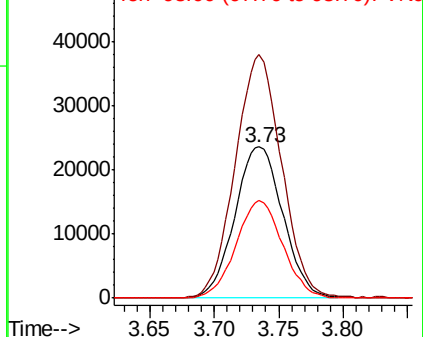
98 64.1 52.5 78.7

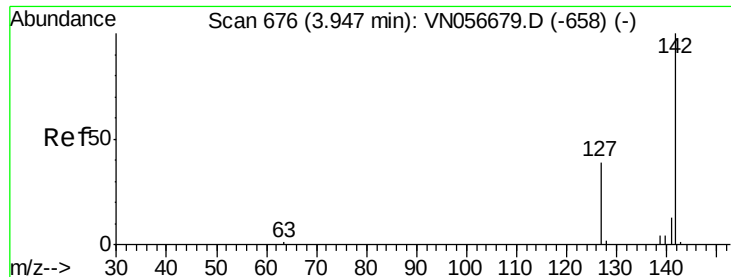


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

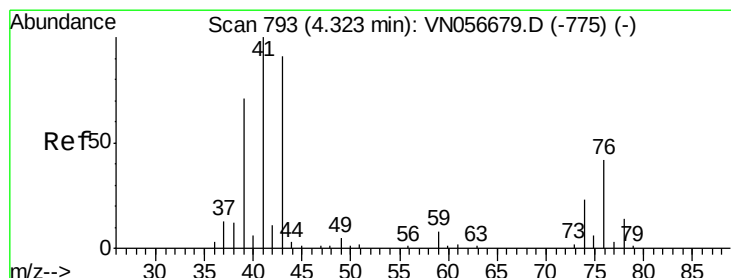
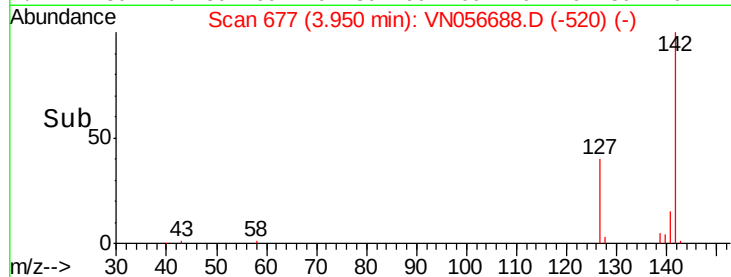
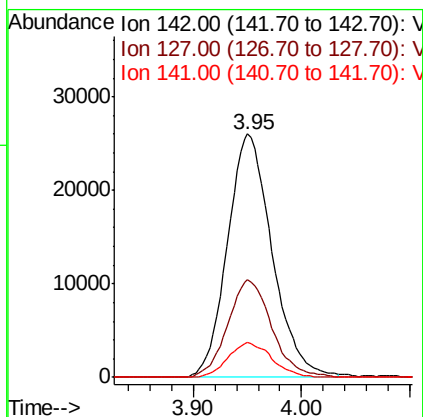
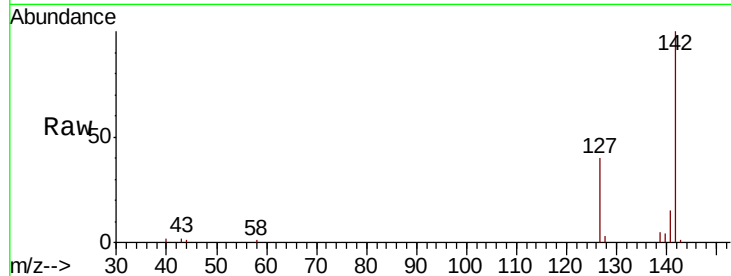




#11
Methyl Iodide
Concen: 17.809 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

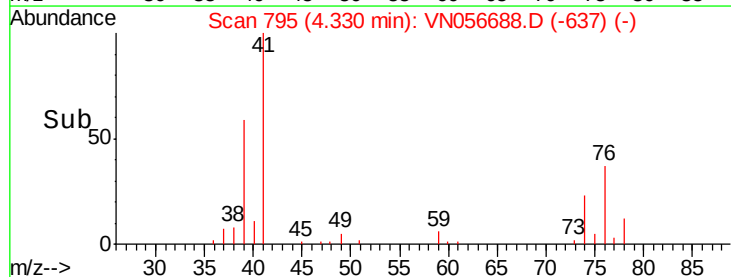
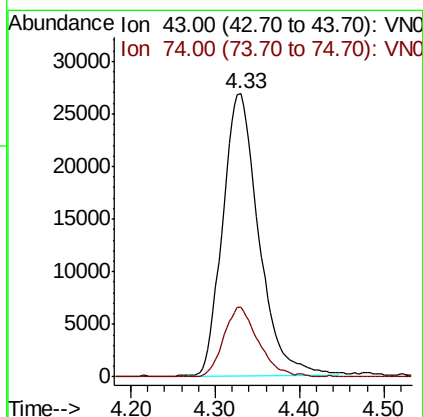
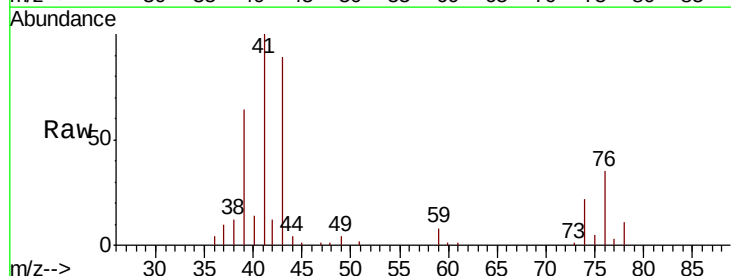
Instrument :
MSVOA_N
ClientSampleId :

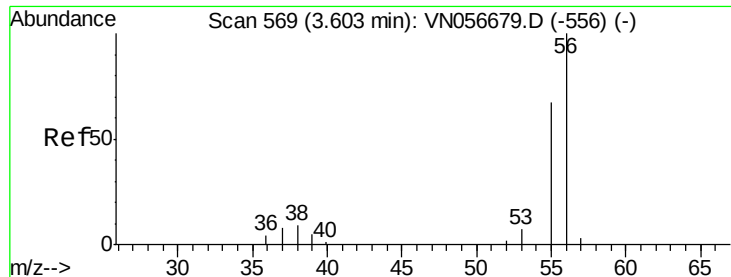
Tot Ion:142 Resp: 74928
Ion Ratio Lower Upper
142 100
127 40.5 19.5 58.5
141 14.7 6.8 20.3



#12
Methyl Acetate
Concen: 18.851 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Tgt Ion: 43 Resp: 79888
Ion Ratio Lower Upper
43 100
74 25.0 20.2 30.4





#13

Acrolein

Concen: 82.512 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

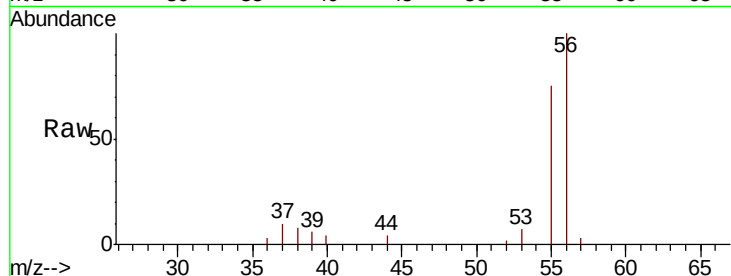
ClientSampled :

Tot Ion: 56 Resp: 24653

Ion Ratio Lower Upper

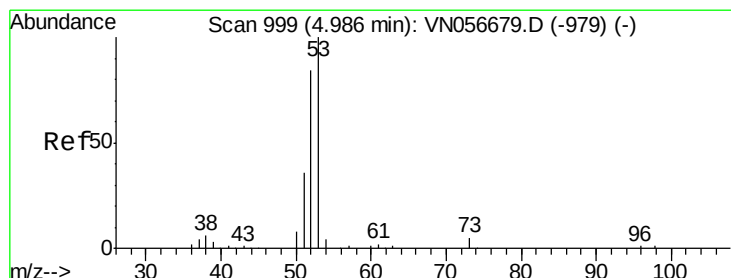
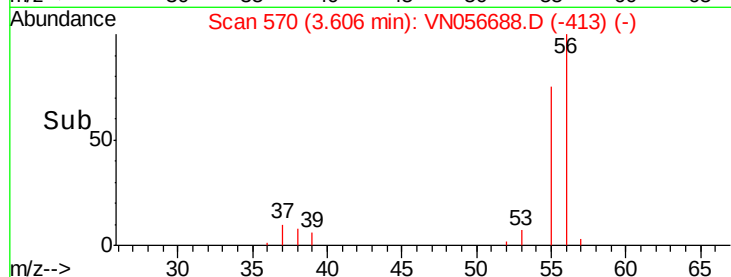
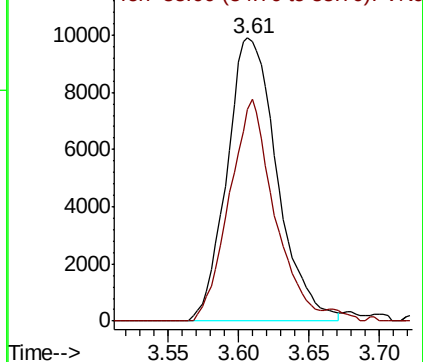
56 100

55 70.1 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 98.226 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

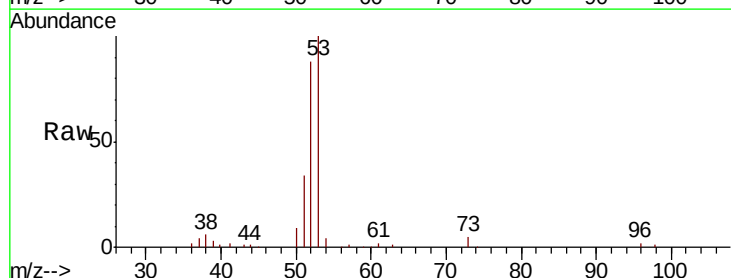
Tgt Ion: 53 Resp: 183371

Ion Ratio Lower Upper

53 100

52 82.7 41.3 123.7

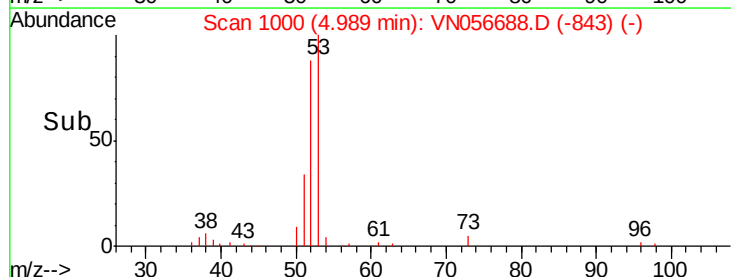
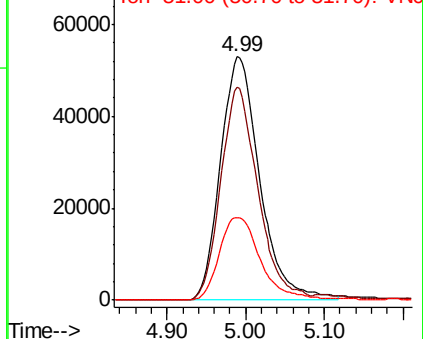
51 35.6 17.7 53.1

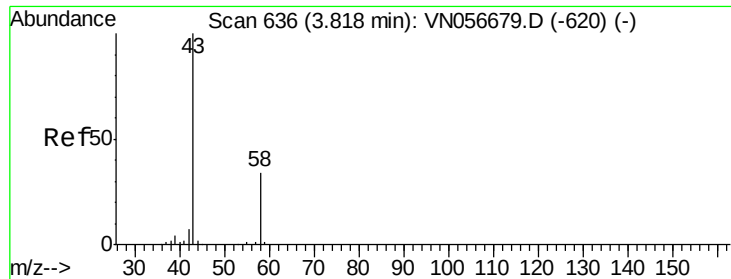


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 80.002 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

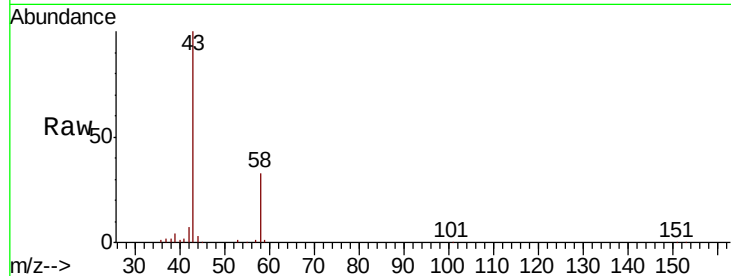
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 58 Resp: 51554

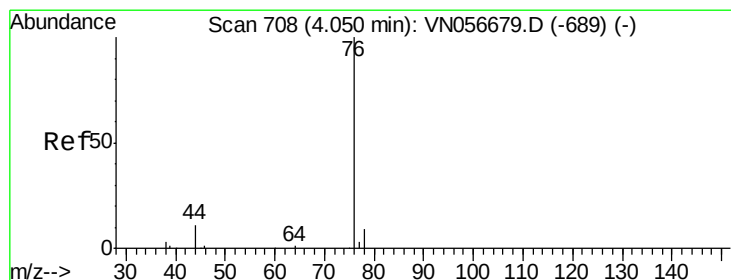
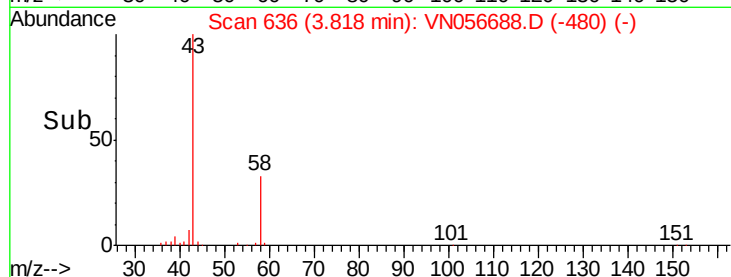
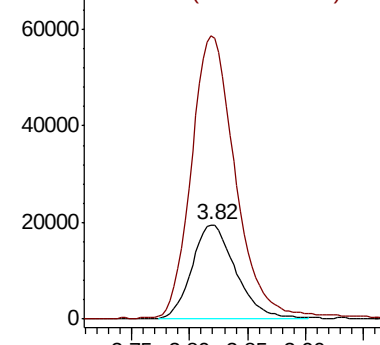
Ion Ratio Lower Upper

58 100

43 296.9 233.9 350.9



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



#16

Carbon Disulfide

Concen: 18.232 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056688.D

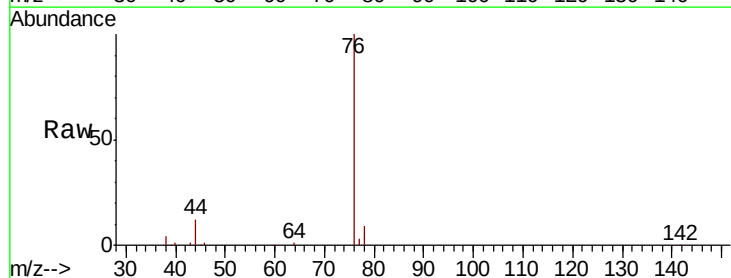
Acq: 12 Jul 2019 14:26

Tgt Ion: 76 Resp: 152240

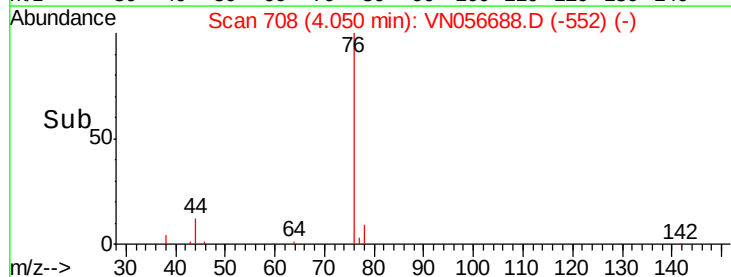
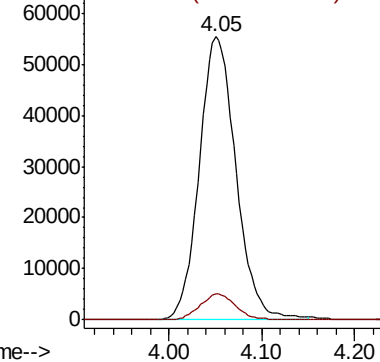
Ion Ratio Lower Upper

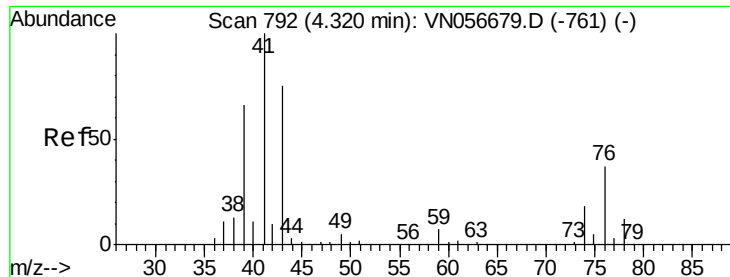
76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0

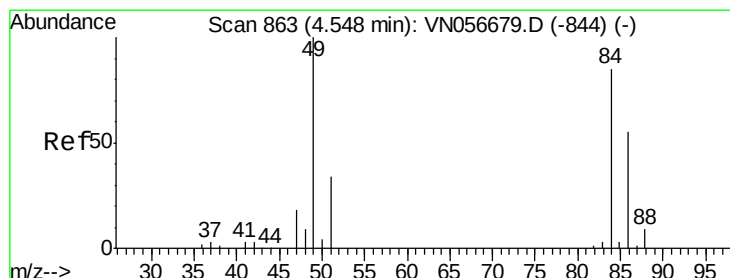
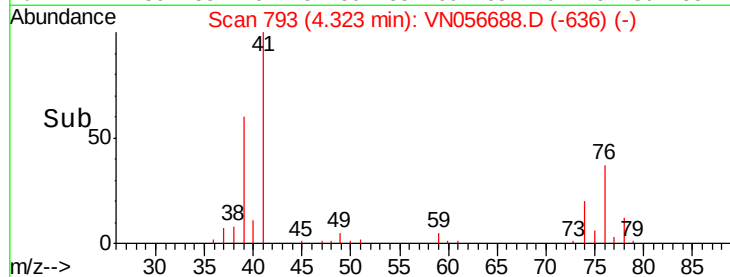
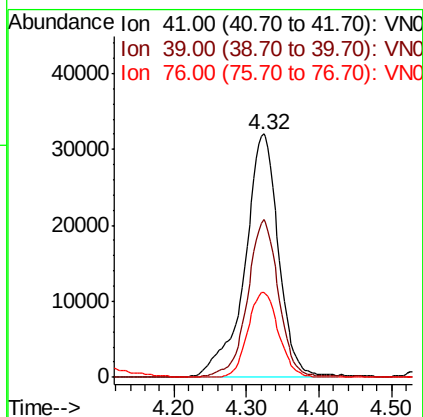
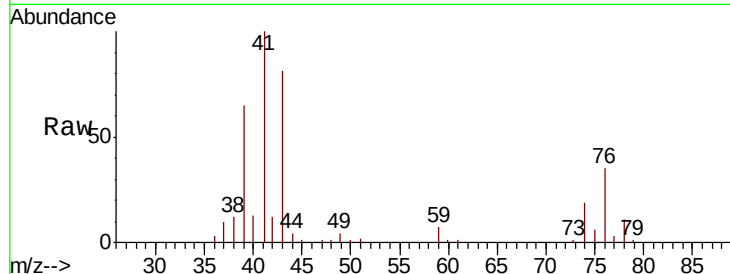




#17
Allvl chloride
Concen: 18.760 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

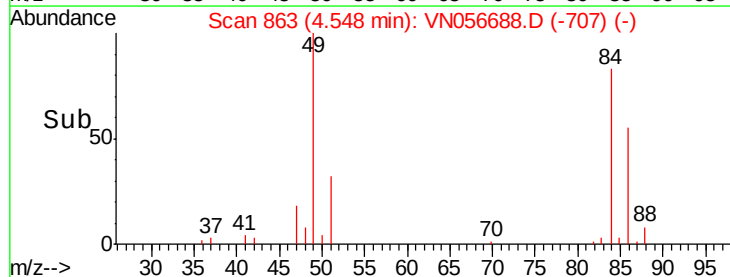
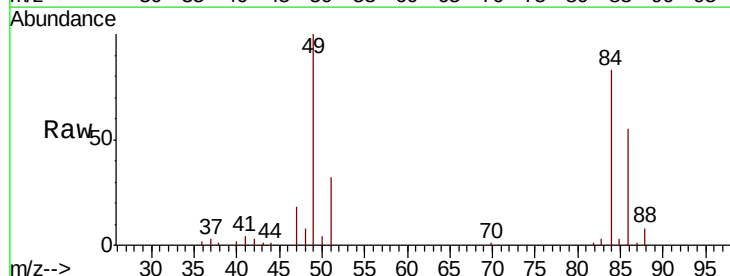
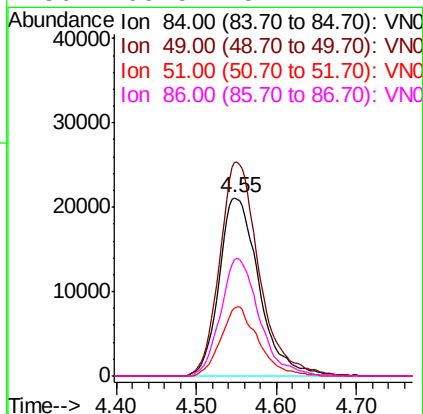
Instrument :
MSVOA_N
ClientSampleId :

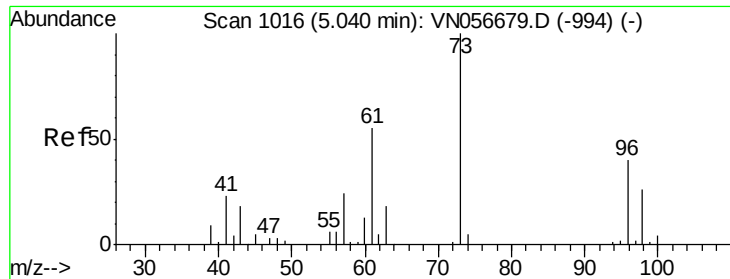
Tot Ion: 41 Resp: 103892
Ion Ratio Lower Upper
41 100
39 65.0 32.8 98.4
76 35.1 18.5 55.5



#18
Methylene Chloride
Concen: 19.350 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Tgt Ion: 84 Resp: 71923
Ion Ratio Lower Upper
84 100
49 119.9 93.9 140.9
51 38.3 31.7 47.5
86 65.5 51.4 77.2

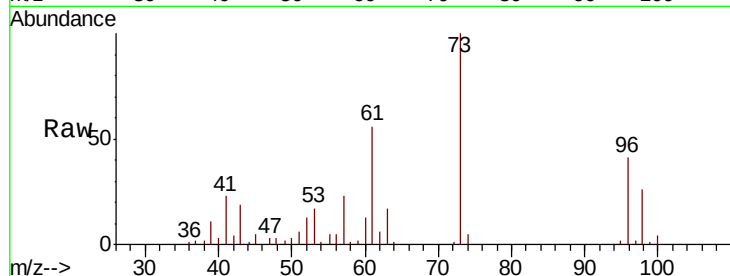




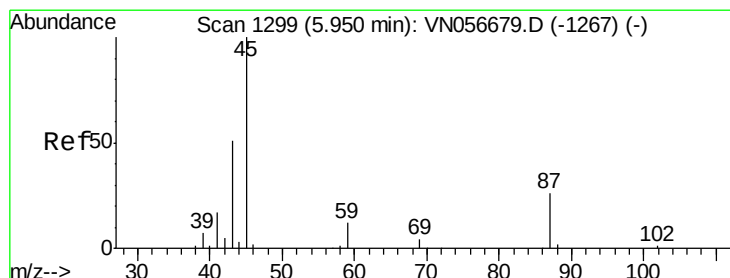
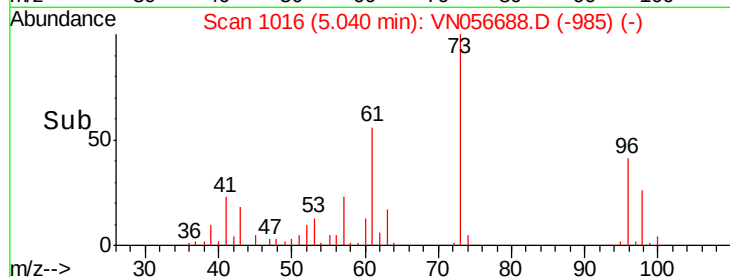
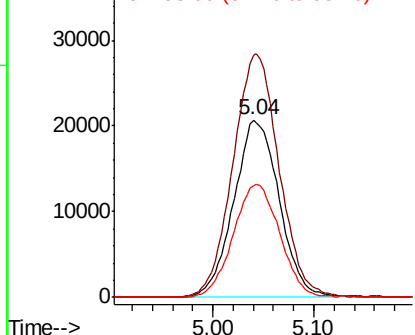
#19
trans-1,2-Dichloroethene
Concen: 19.122 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 64810
Ion Ratio Lower Upper
96 100
61 135.5 109.6 164.4
98 63.4 51.4 77.2

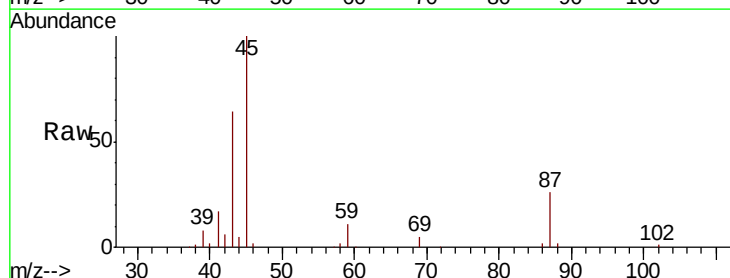


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

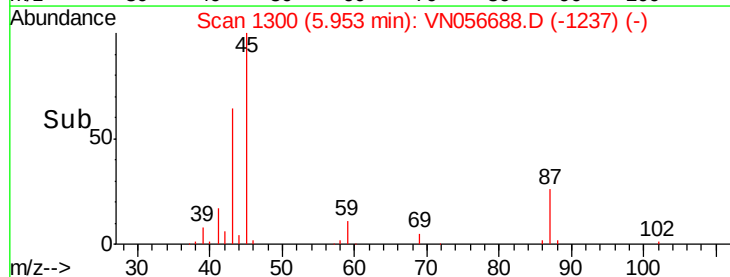
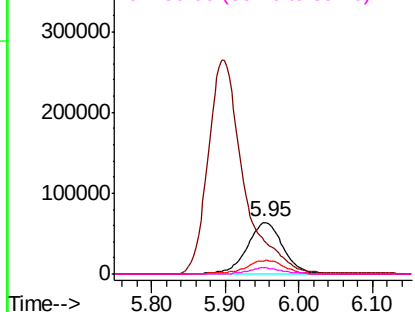


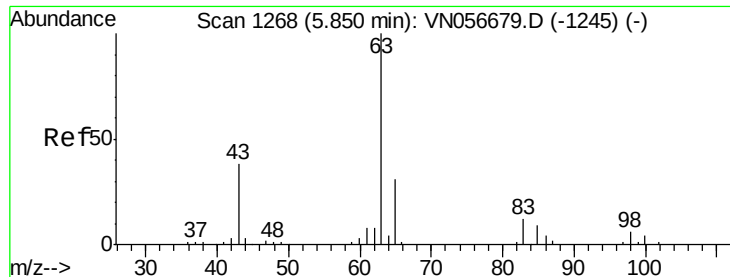
#20
Diisopropyl ether
Concen: 19.533 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Tgt Ion: 45 Resp: 215543
Ion Ratio Lower Upper
45 100
43 62.0 50.3 75.5
87 25.8 21.4 32.0
59 11.2 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

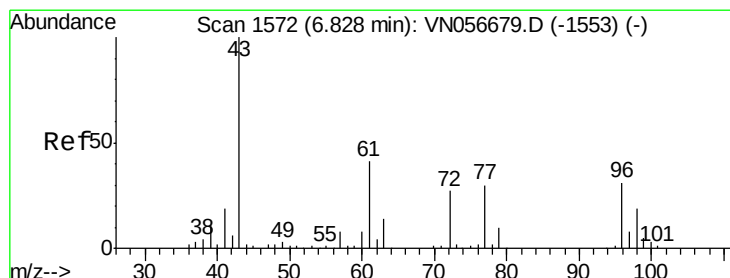
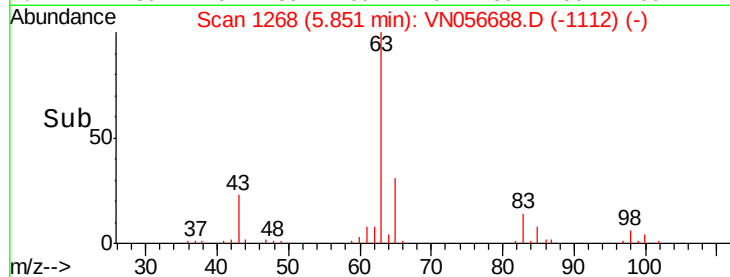
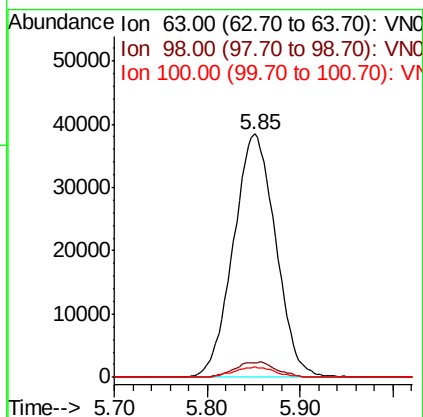
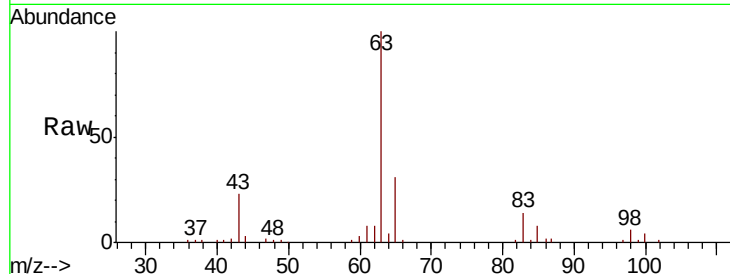




#21
 1,1-Dichloroethane
 Concen: 19.319 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

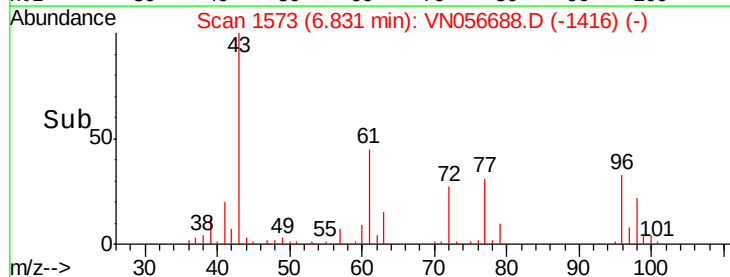
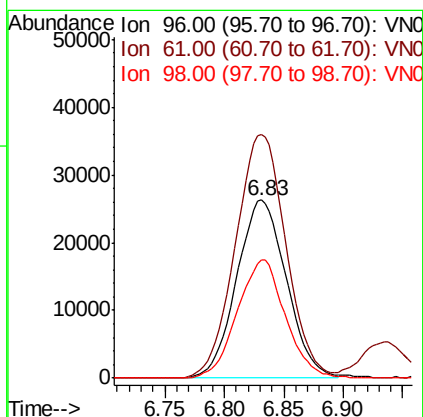
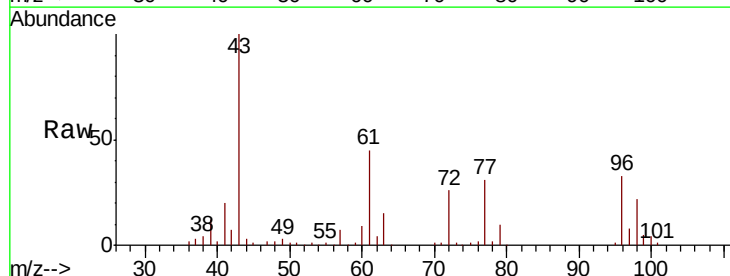
Instrument :
 MSVOA_N
 ClientSampled :

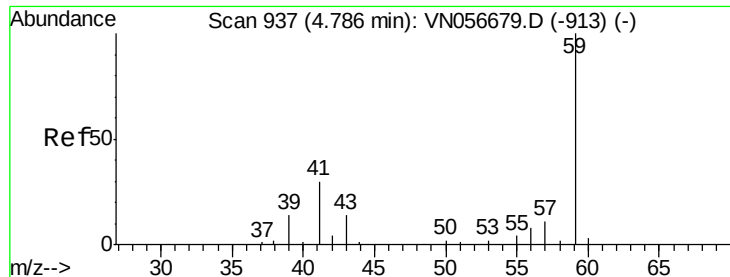
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.3	9.8
100	4.1	2.1	6.3



#22
 cis-1,2-Dichloroethene
 Concen: 19.215 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.7	112.1	168.1
98	64.1	52.2	78.2



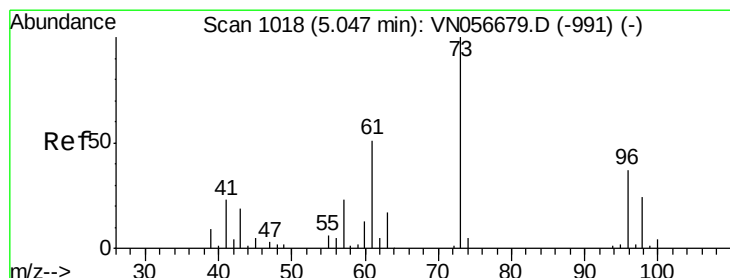
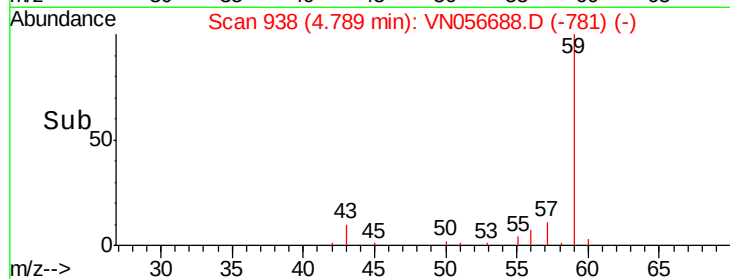
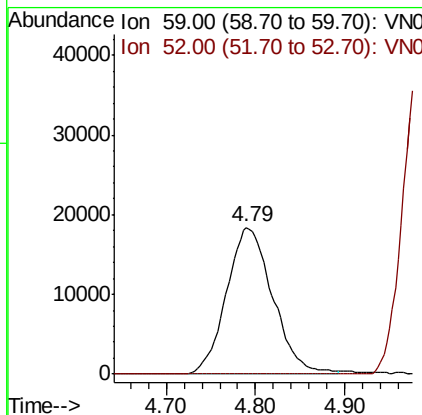
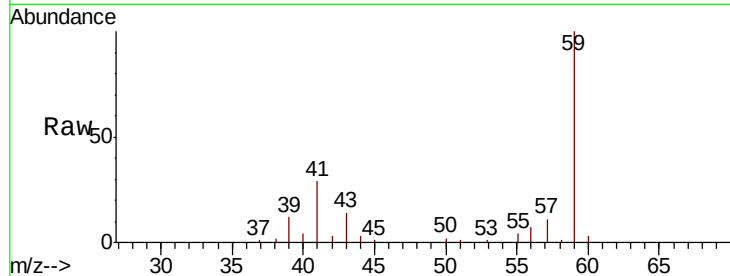


#23

tert-Butyl Alcohol
 Concen: 101.565 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :

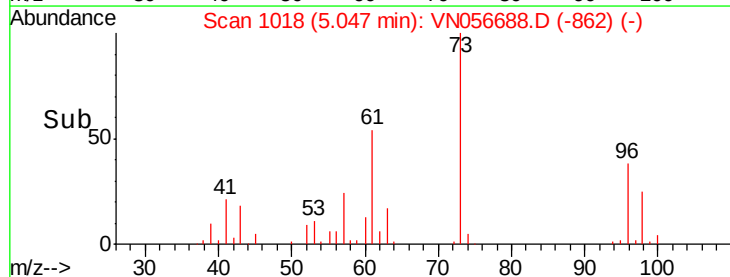
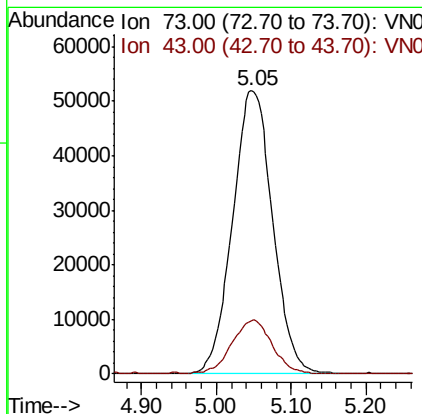
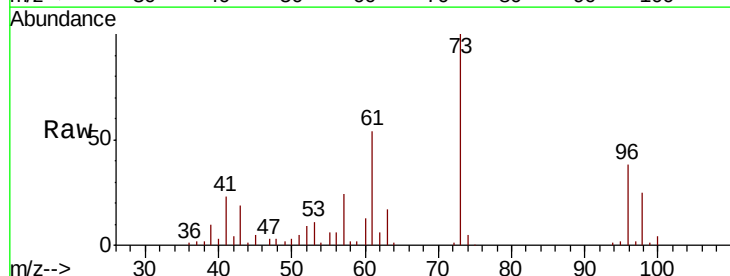
Tot Ion: 59 Resp: 66141
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

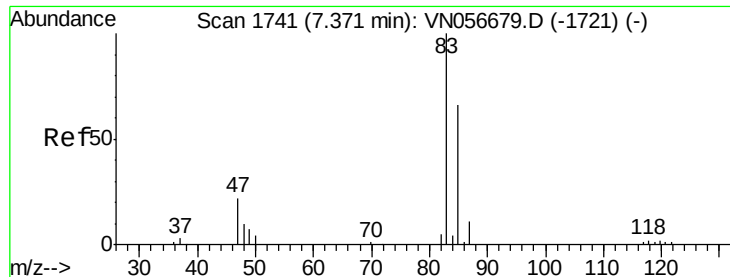


#24

Methyl tert-Butyl Ether
 Concen: 19.184 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Tgt Ion: 73 Resp: 193713
 Ion Ratio Lower Upper
 73 100
 43 19.2 15.1 22.7

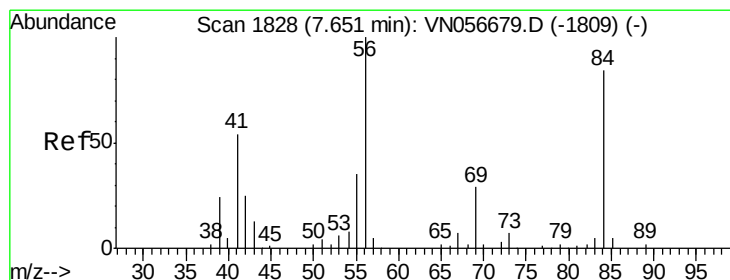
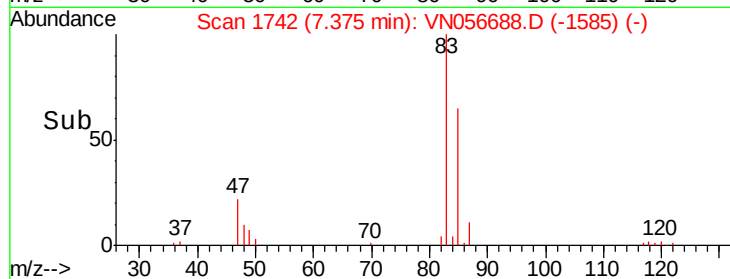
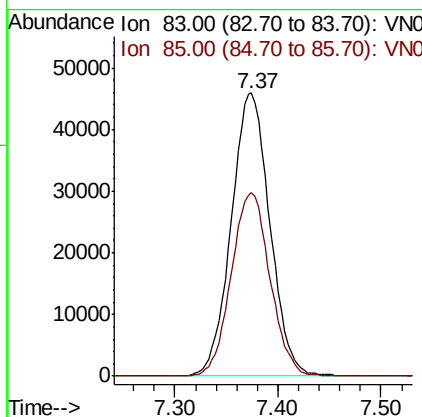
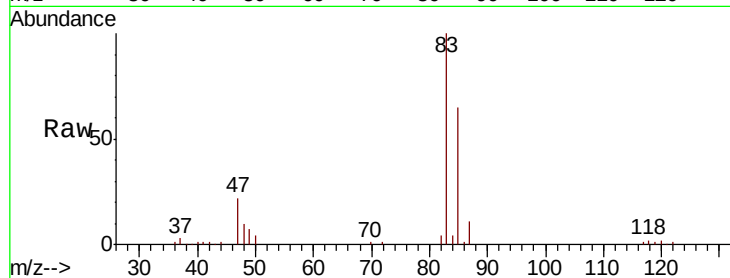




#25
Chloroform
Concen: 19.460 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

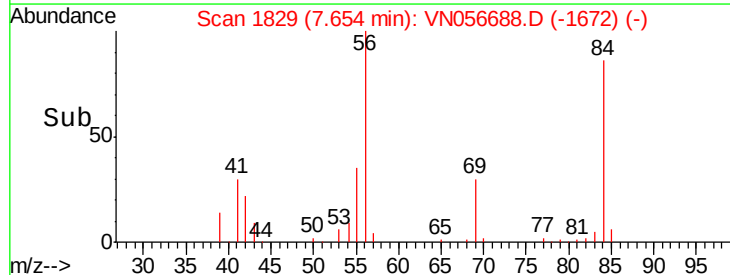
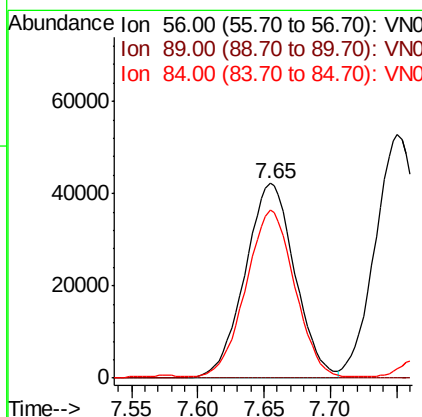
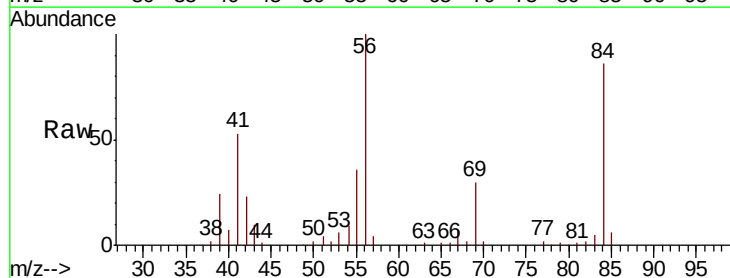
Instrument :
MSVOA_N
ClientSampleId :

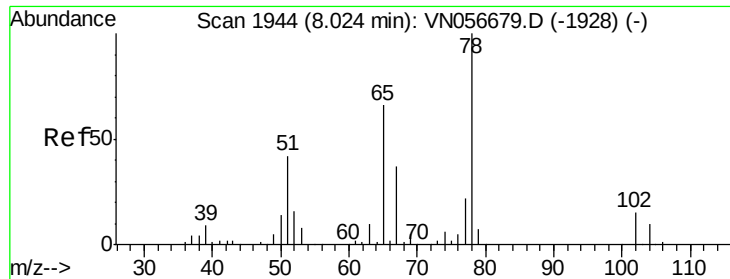
Tot Ion: 83 Resp: 119532
Ion Ratio Lower Upper
83 100
85 64.7 52.6 79.0



#26
Cyclohexane
Concen: 18.929 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Tgt Ion: 56 Resp: 110935
Ion Ratio Lower Upper
56 100
89 0.0 1.4 2.2#
84 84.1 68.2 102.4

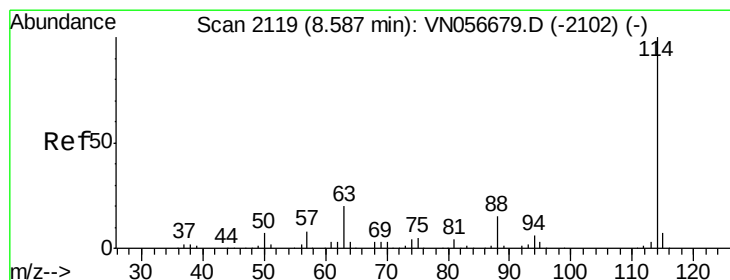
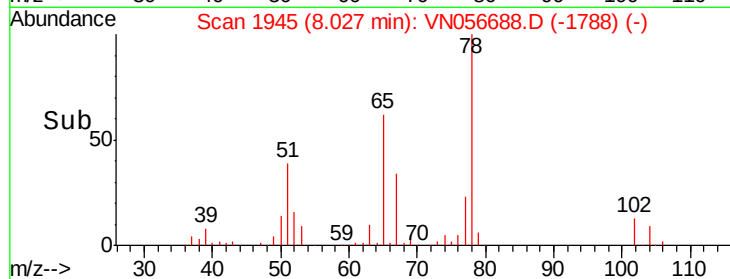
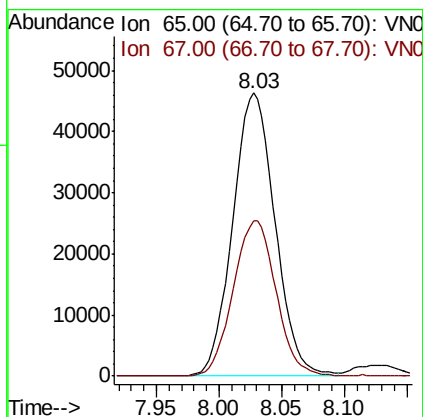
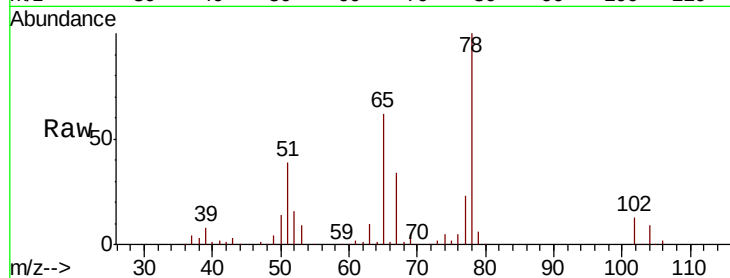




#27
 1,2-Dichloroethane-d4
 Concen: 29.883 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

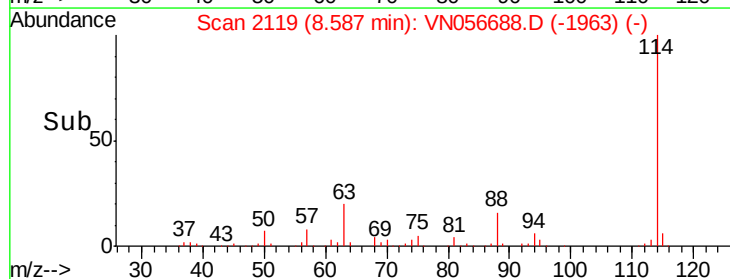
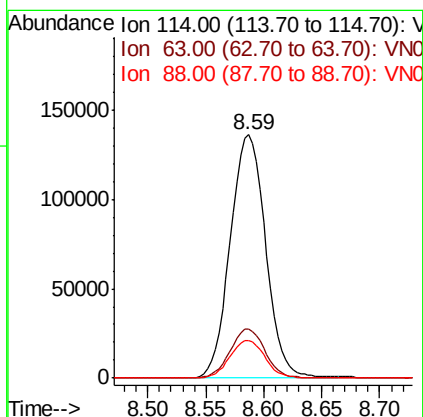
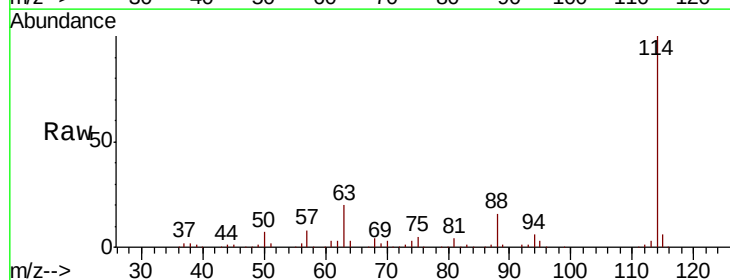
Instrument :
 MSVOA_N
 ClientSampleId :

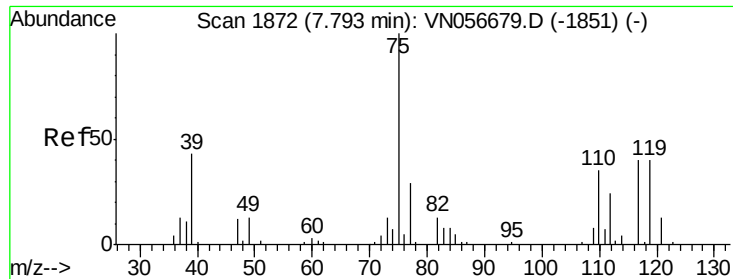
Tot Ion: 65 Resp: 108655
 Ion Ratio Lower Upper
 65 100
 67 55.4 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Tgt Ion: 114 Resp: 290250
 Ion Ratio Lower Upper
 114 100
 63 19.8 16.2 24.2
 88 15.3 12.3 18.5

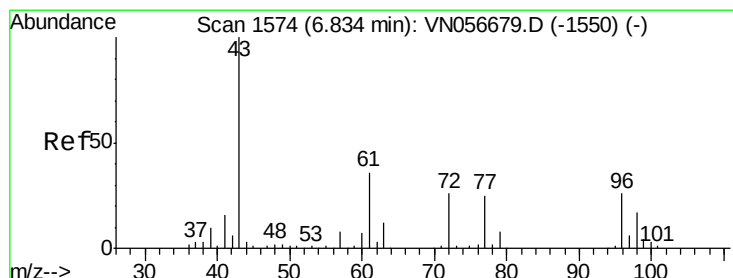
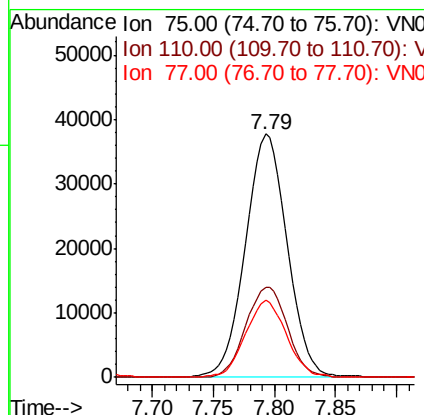
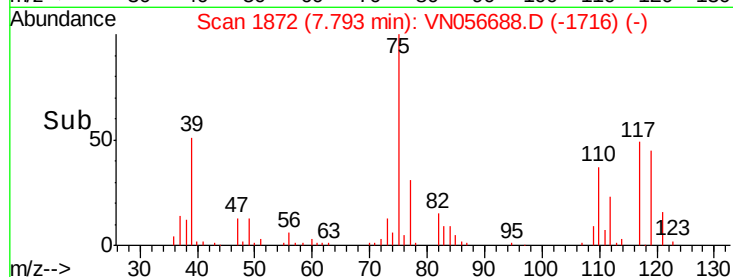
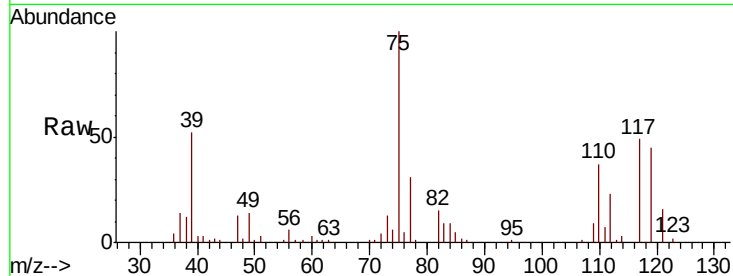




#29
 1,1-Dichloropropene
 Concen: 19.401 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

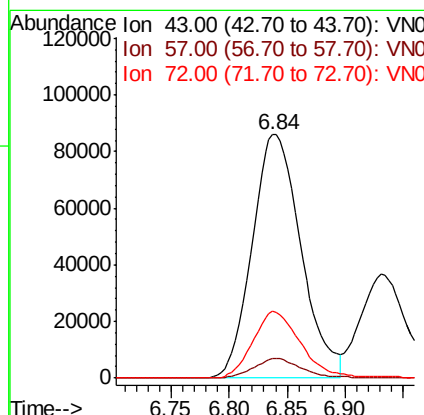
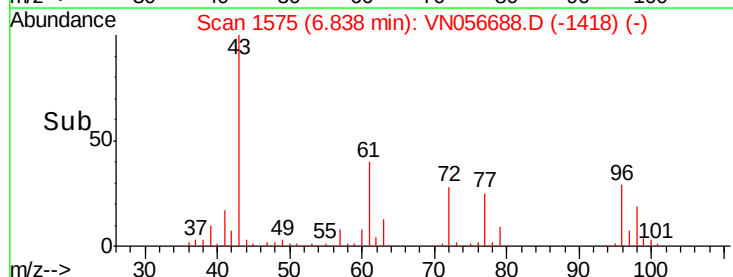
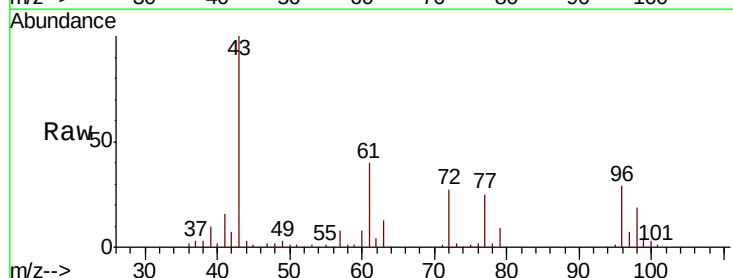
Instrument :
 MSVOA_N
 ClientSampled :

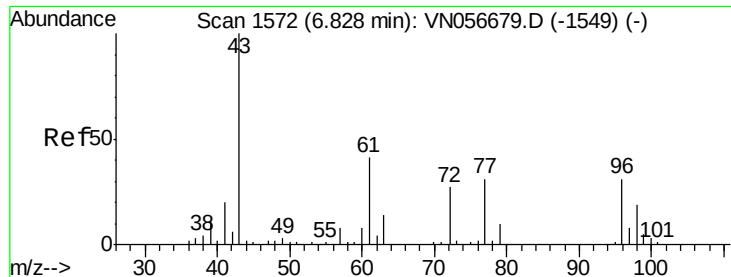
Tot Ion: 75 Resp: 89512
 Ion Ratio Lower Upper
 75 100
 110 36.9 0.0 72.4
 77 30.9 0.0 62.2



#30
 2-Butanone
 Concen: 93.985 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Tgt Ion: 43 Resp: 251059
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.6 10.0
 72 26.7 21.3 31.9

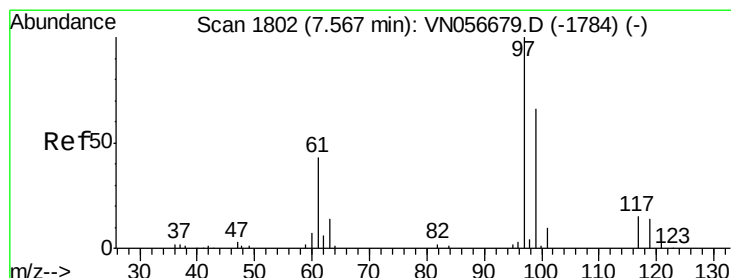
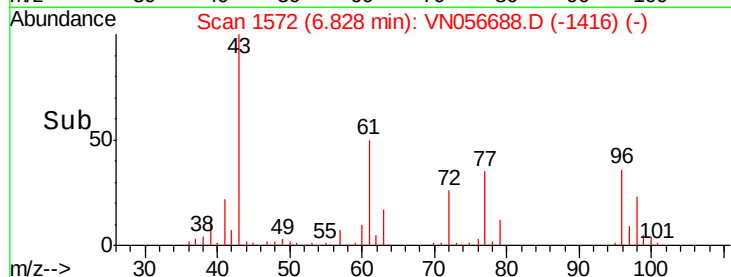
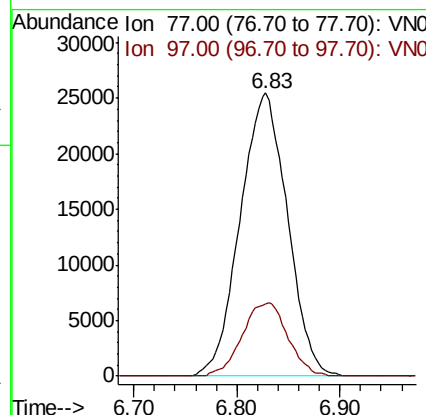
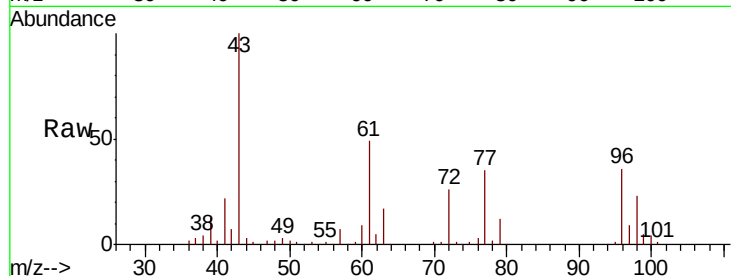




#31
 2,2-Dichloropropane
 Concen: 18.140 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

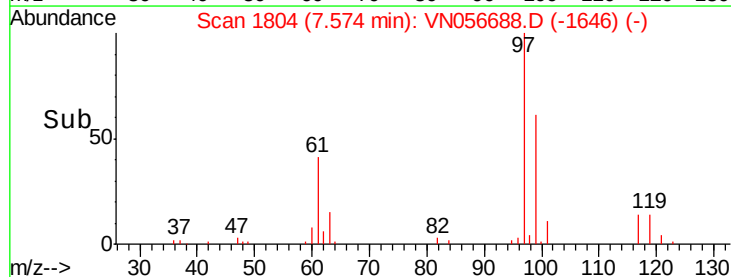
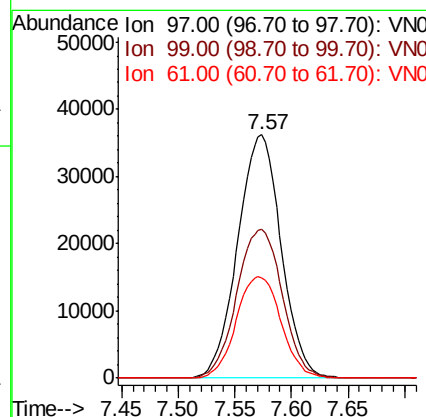
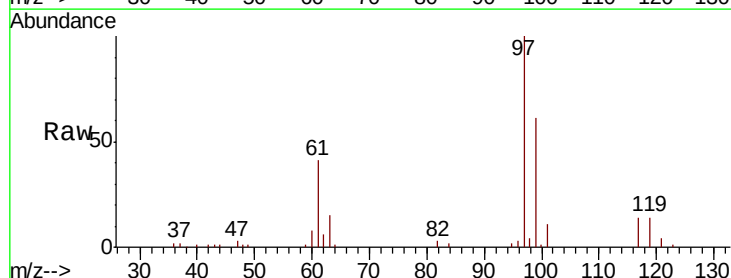
Instrument :
 MSVOA_N
 ClientSampled :

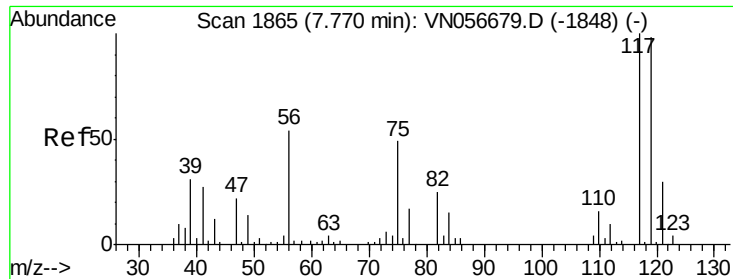
Tot Ion: 77 Resp: 81000
 Ion Ratio Lower Upper
 77 100
 97 25.0 19.7 29.5



#32
 1,1,1-Trichloroethane
 Concen: 19.683 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Tgt Ion: 97 Resp: 96802
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.0 78.0
 61 43.0 34.4 51.6

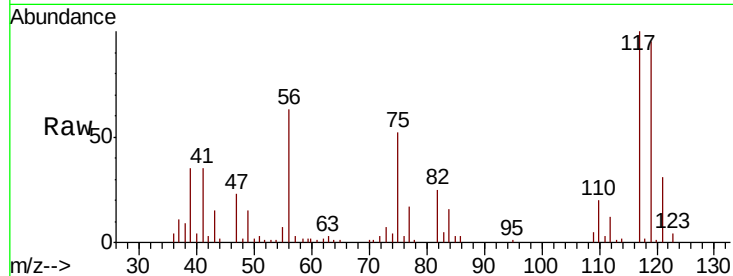




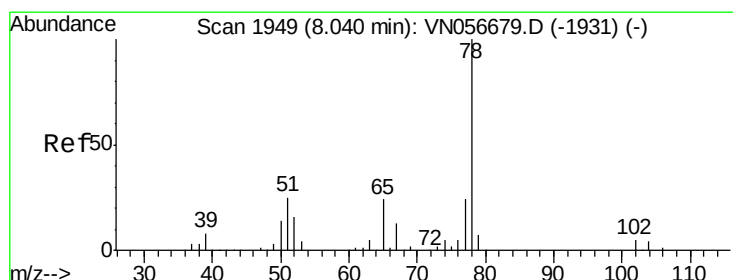
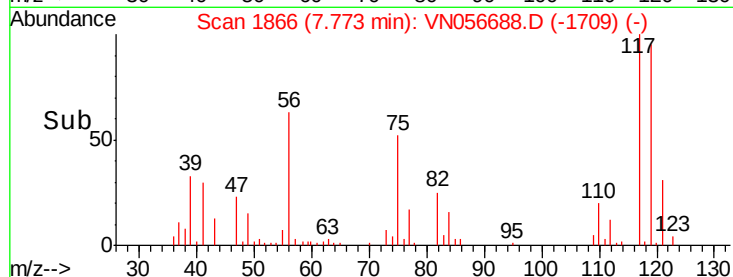
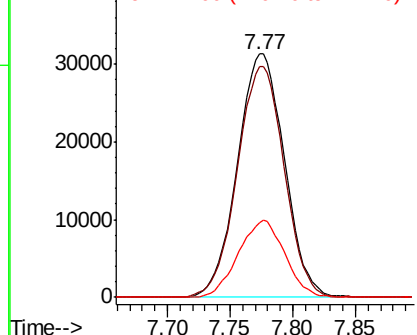
#33
Carbon Tetrachloride
Concen: 19.233 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 81396
Ion Ratio Lower Upper
117 100
119 95.0 78.7 118.1
121 30.9 24.0 36.0

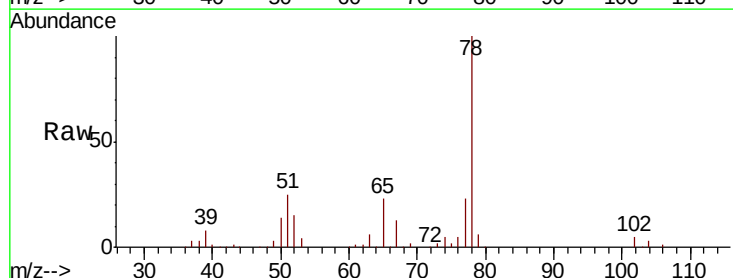


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

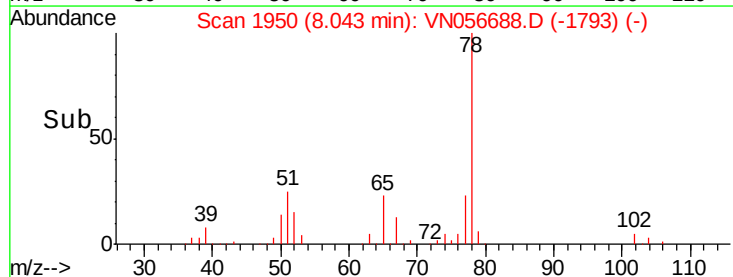
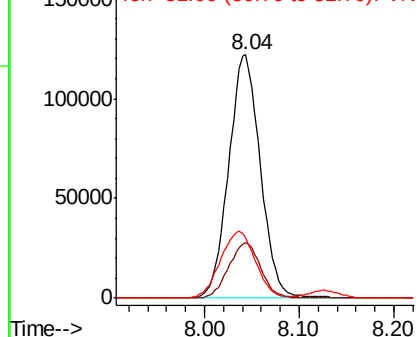


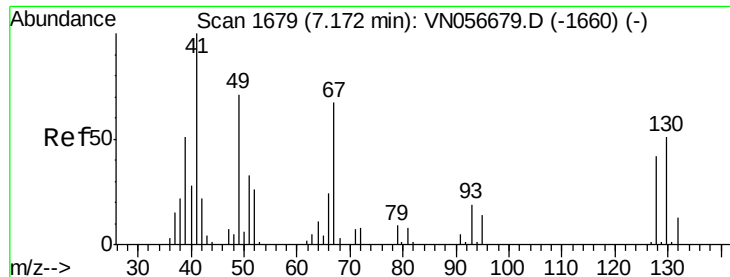
#34
Benzene
Concen: 19.996 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Tgt Ion: 78 Resp: 283462
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.4
51 24.7 19.7 29.5



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

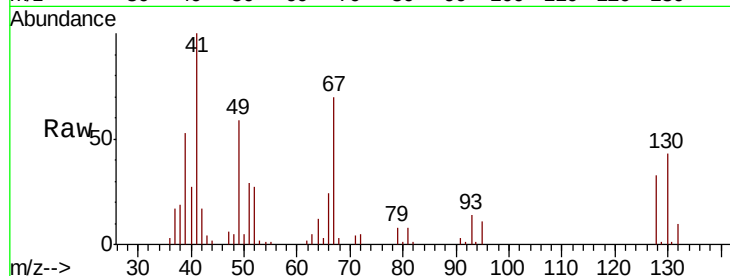




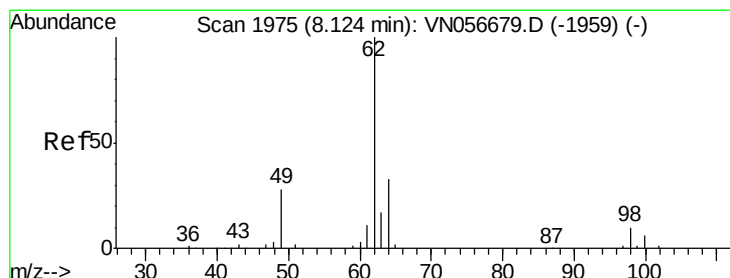
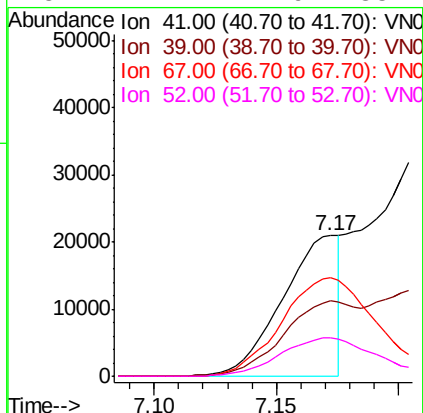
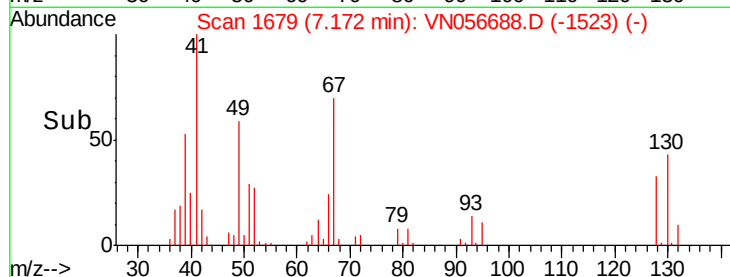
#35
Methacrylonitrile
Concen: 16.514 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 33700
Ion Ratio Lower Upper
41 100
39 53.5 25.4 76.2
67 69.8 33.6 100.8
52 27.2 12.9 38.7

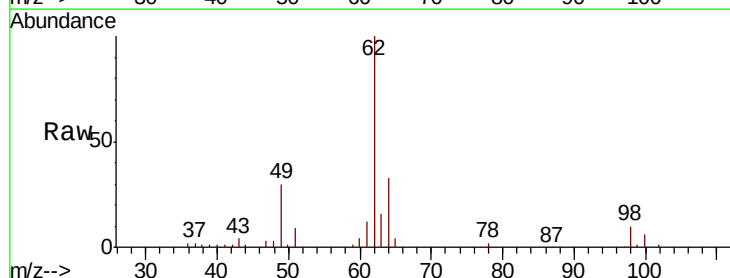


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

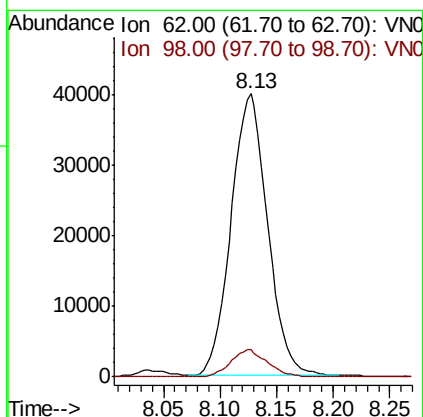
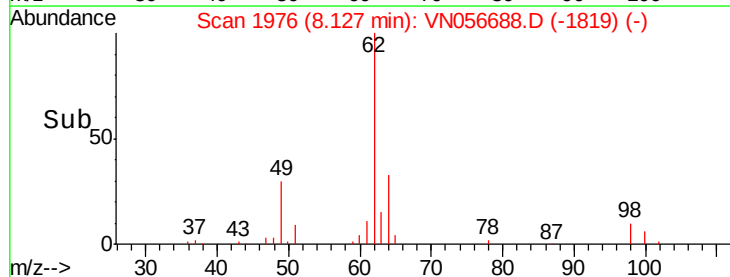


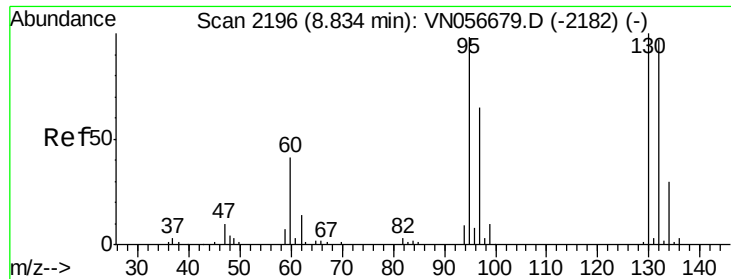
#36
1,2-Dichloroethane
Concen: 19.721 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Tgt Ion: 62 Resp: 89807
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5



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

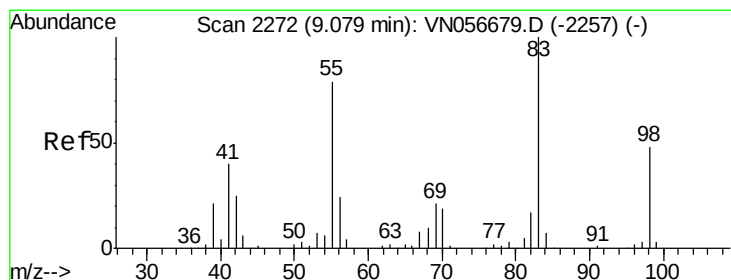
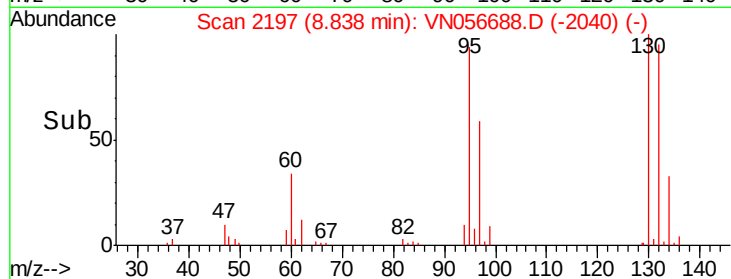
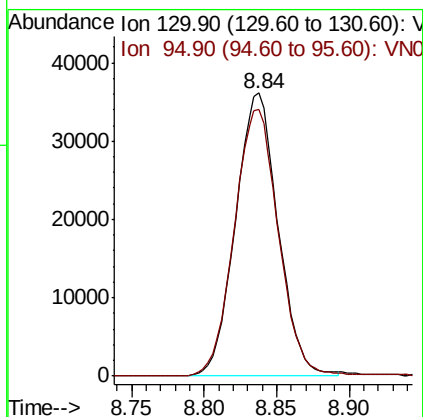
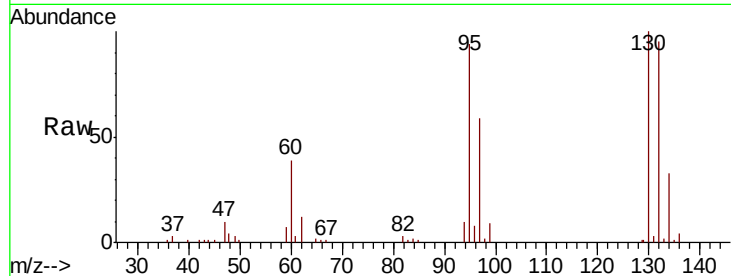




#37
 Trichloroethene
 Concen: 19.141 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

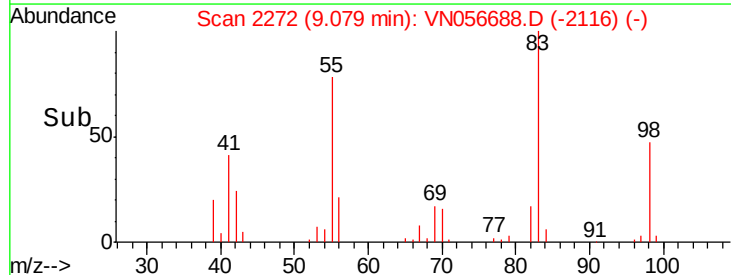
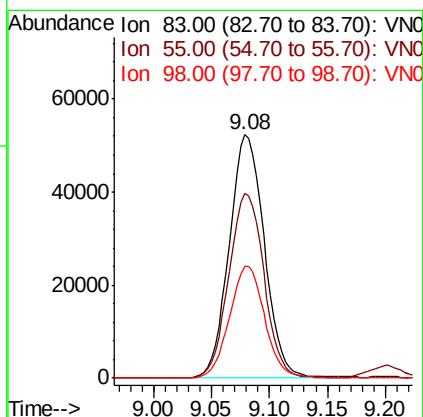
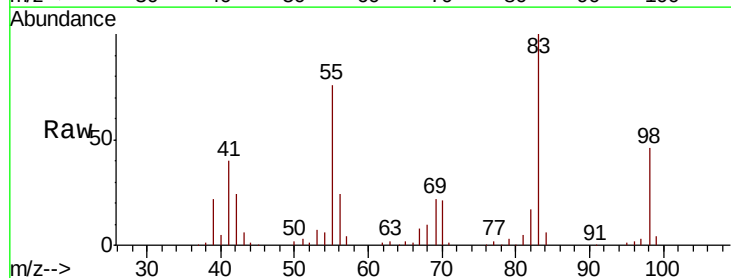
Instrument :
 MSVOA_N
 ClientSampleId :

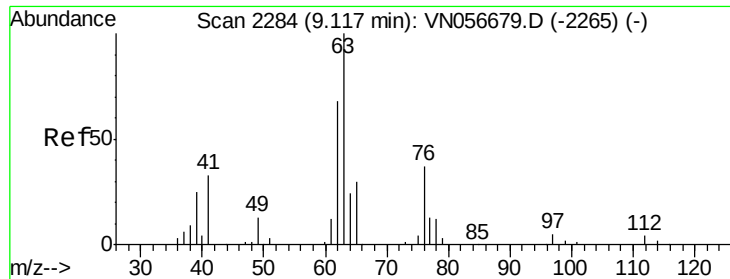
Tot Ion:130 Resp: 73692
 Ion Ratio Lower Upper
 130 100
 95 94.3 78.4 117.6



#38
 Methylcyclohexane
 Concen: 18.872 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Tgt Ion: 83 Resp: 109997
 Ion Ratio Lower Upper
 83 100
 55 75.8 38.4 115.2
 98 46.1 23.3 69.9

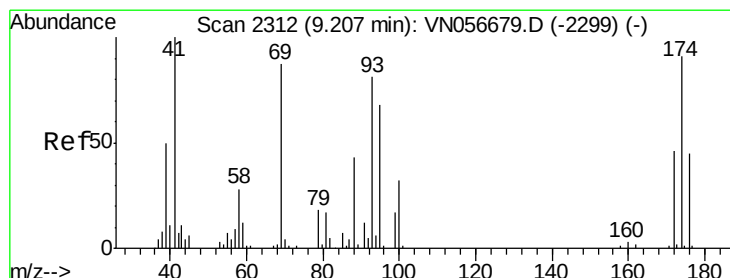
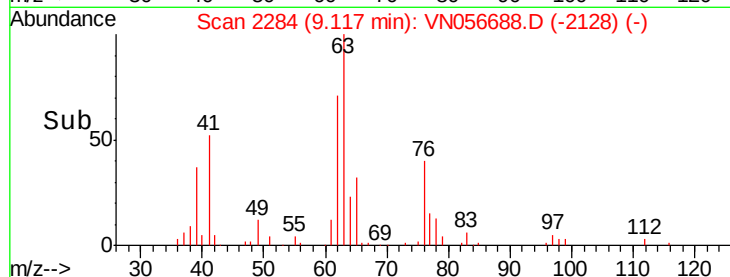
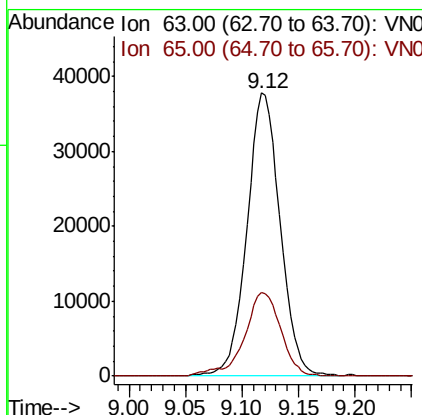
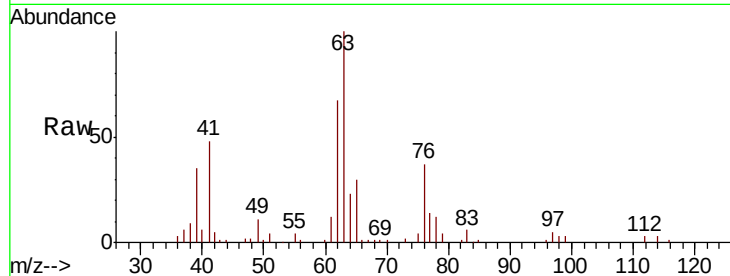




#39
 1,2-Dichloropropane
 Concen: 20.287 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

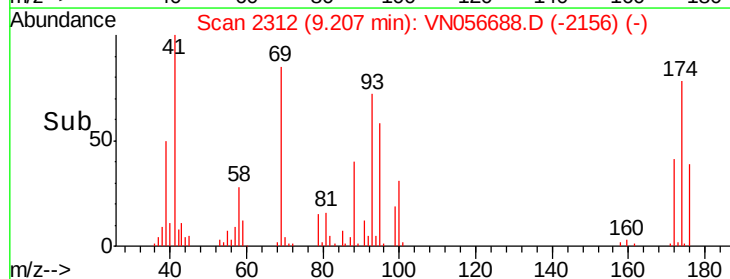
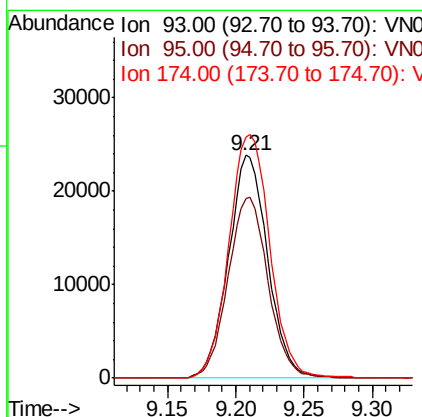
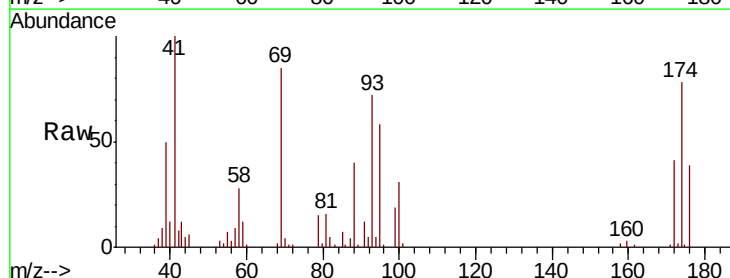
Instrument :
 MSVOA_N
 ClientSampled :

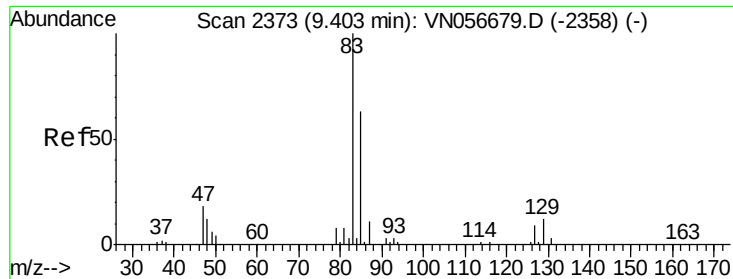
Tot Ion: 63 Resp: 77194
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.6 36.8



#40
 Dibromomethane
 Concen: 19.681 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Tgt Ion: 93 Resp: 47699
 Ion Ratio Lower Upper
 93 100
 95 82.7 0.0 167.0
 174 114.1 0.0 224.2





#41

Bromodichloromethane

Concen: 19.321 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

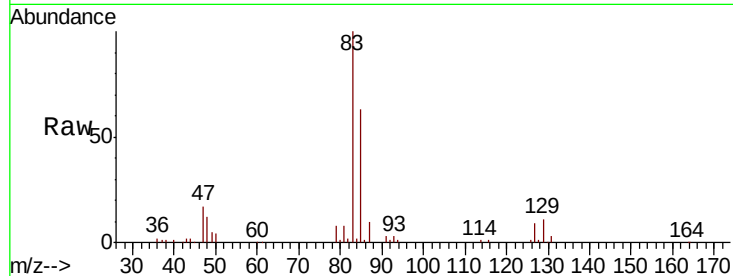
Tot Ion: 83 Resp: 86301

Ion Ratio Lower Upper

83 100

85 62.7 50.1 75.1

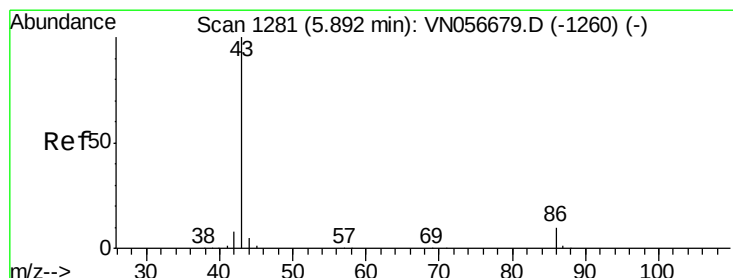
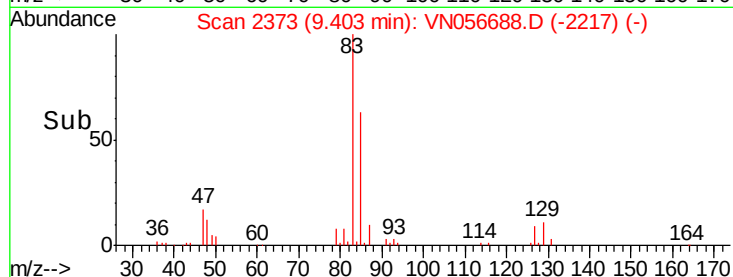
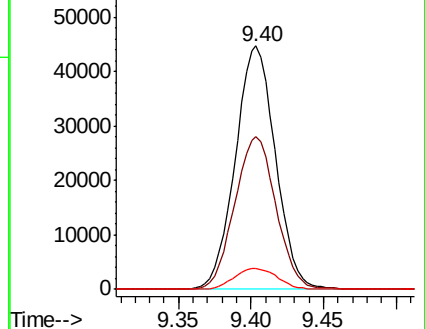
127 8.5 7.0 10.4



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

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

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



#42

Vinyl Acetate

Concen: 99.839 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN056688.D

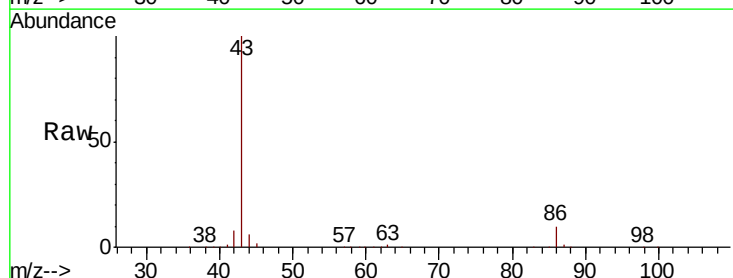
Acq: 12 Jul 2019 14:26

Tgt Ion: 43 Resp: 887602

Ion Ratio Lower Upper

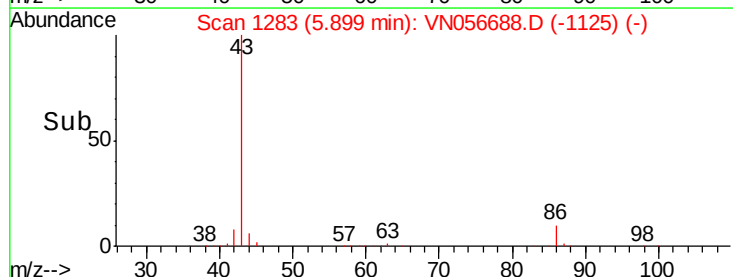
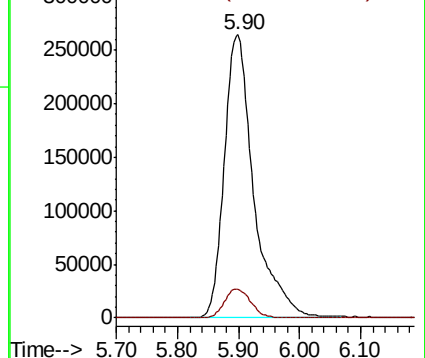
43 100

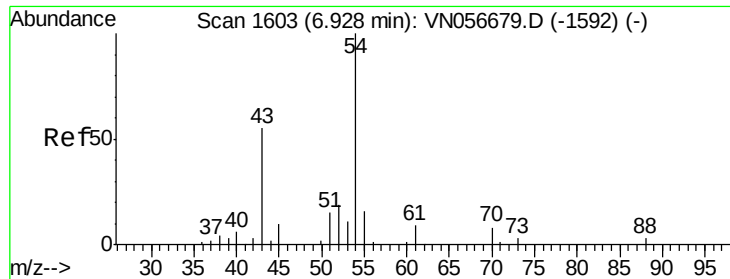
86 9.1 7.4 11.2



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

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





#43

Ethyl Acetate

Concen: 21.253 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

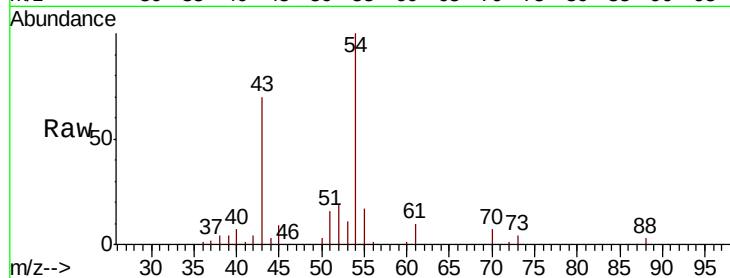
ClientSampled :

Tot Ion: 43 Resp: 102589

Ion Ratio Lower Upper

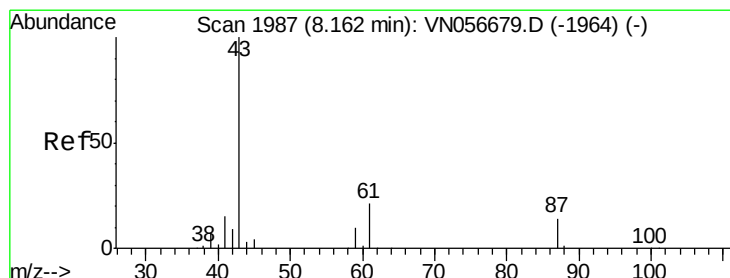
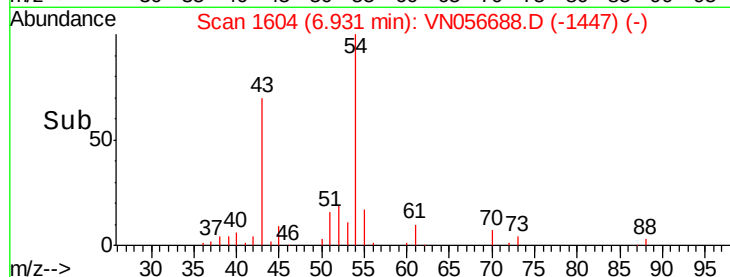
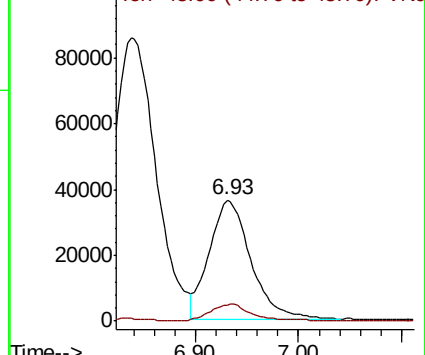
43 100

45 12.9 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.849 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056688.D

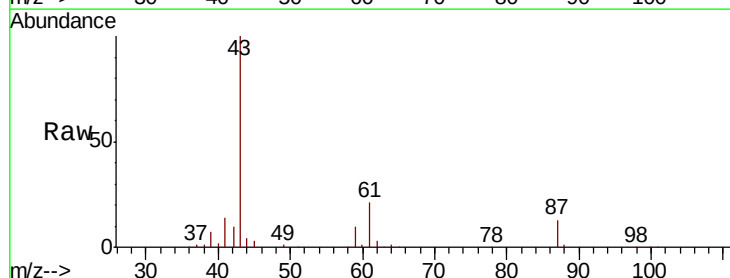
Acq: 12 Jul 2019 14:26

Tgt Ion: 43 Resp: 149441

Ion Ratio Lower Upper

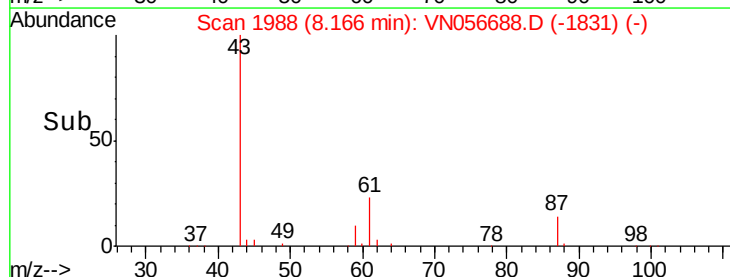
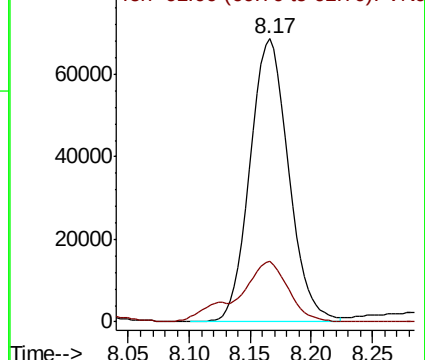
43 100

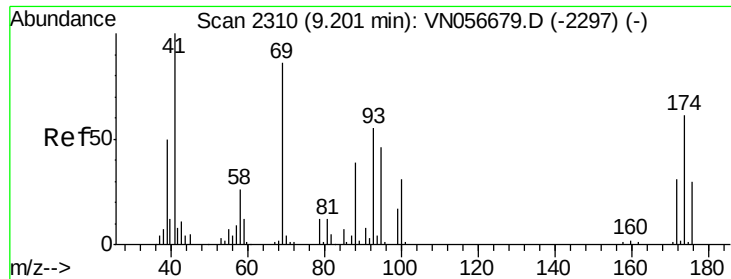
61 22.4 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



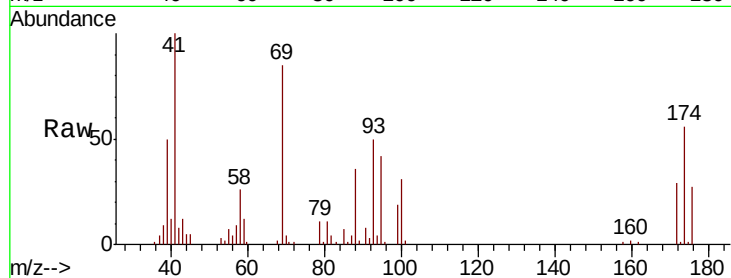


#45
 1,4-Dioxane
 Concen: 411.759 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

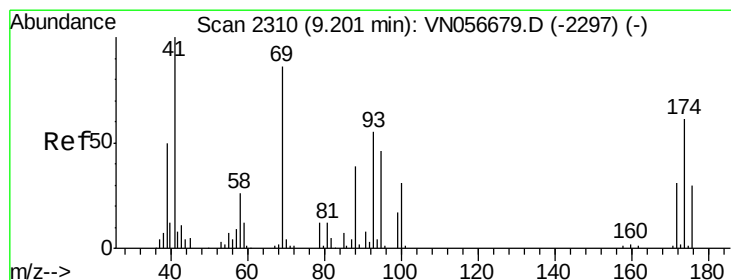
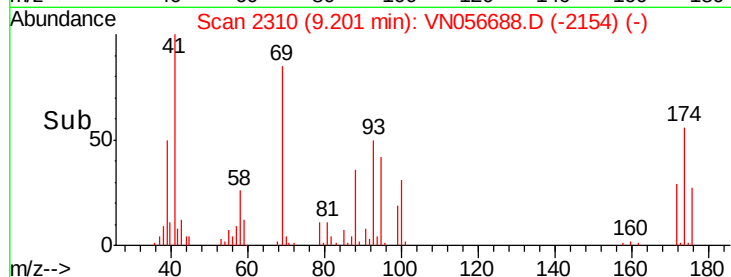
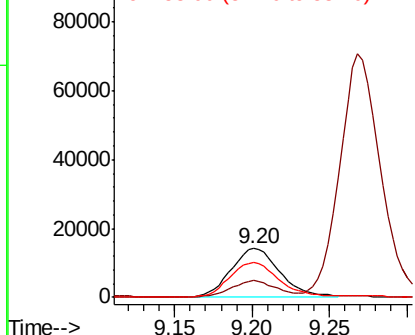
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 31363

Ion	Ratio	Lower	Upper
88	100		
43	29.4	23.0	34.6
58	72.3	54.6	81.8



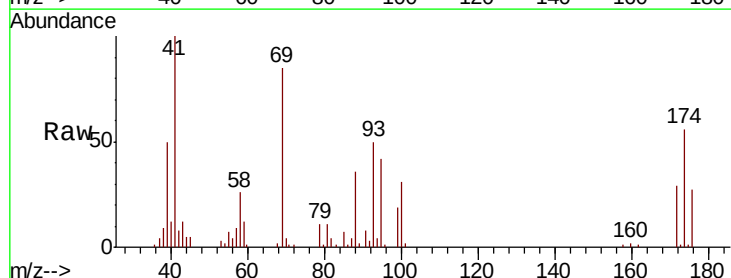
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0



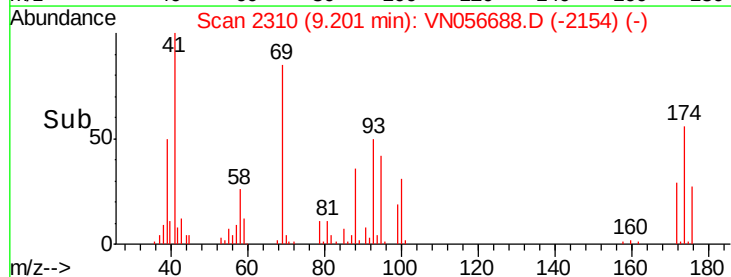
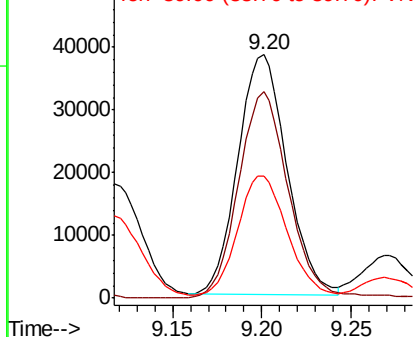
#46
 Methyl methacrylate
 Concen: 20.332 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

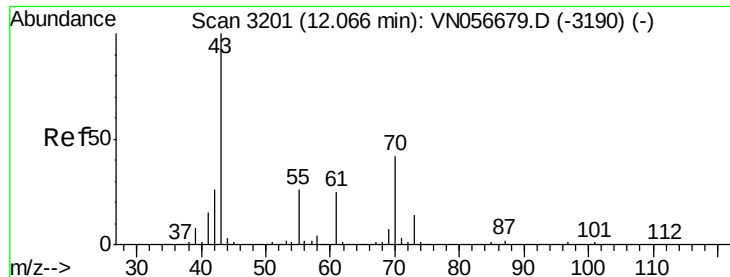
Tgt Ion: 41 Resp: 73541

Ion	Ratio	Lower	Upper
41	100		
69	86.2	43.0	129.0
39	49.8	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: 18.616 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

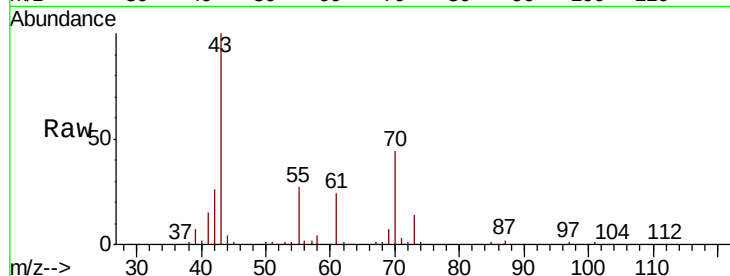
ClientSampled :

Tot Ion: 43 Resp: 114627

Ion Ratio Lower Upper

43 100

55 26.8 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

80000

60000

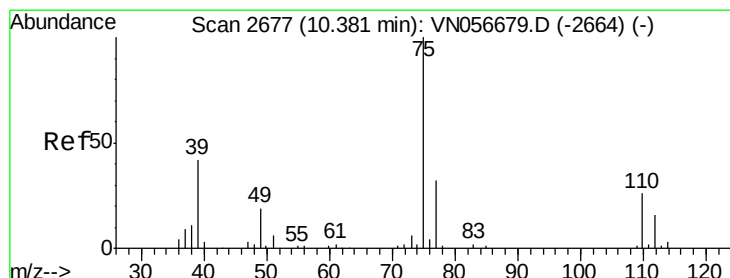
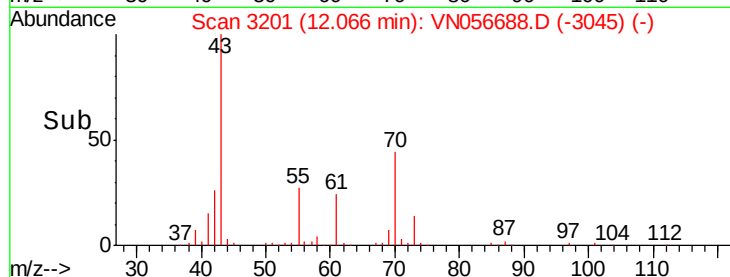
40000

20000

0

Time-->

12.00 12.05 12.10 12.15



#48

t-1,3-Dichloropropene

Concen: 18.195 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056688.D

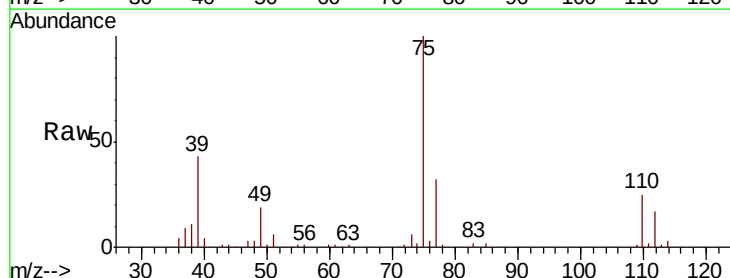
Acq: 12 Jul 2019 14:26

Tgt Ion: 75 Resp: 89397

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

50000

40000

30000

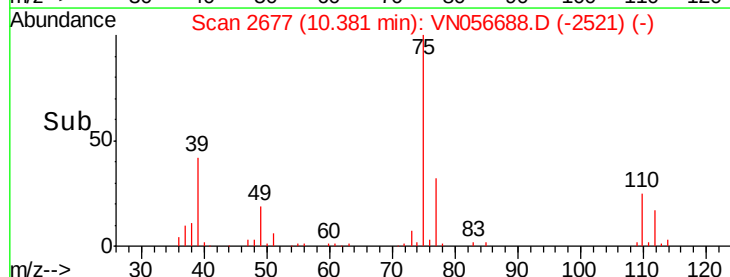
20000

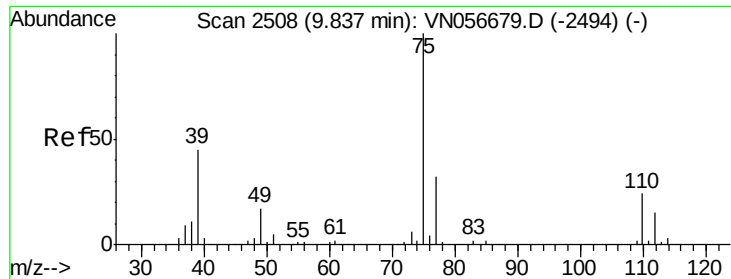
10000

0

Time-->

10.30 10.40 10.50



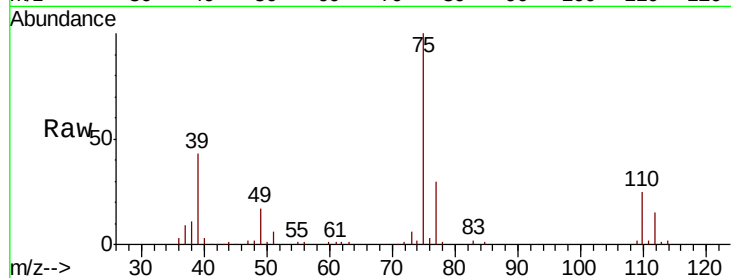


#49

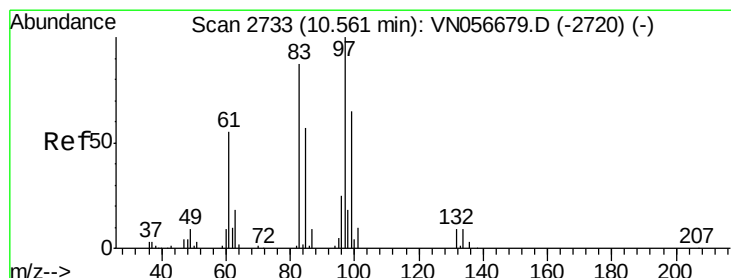
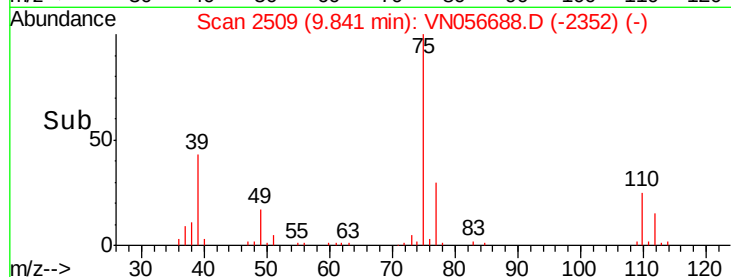
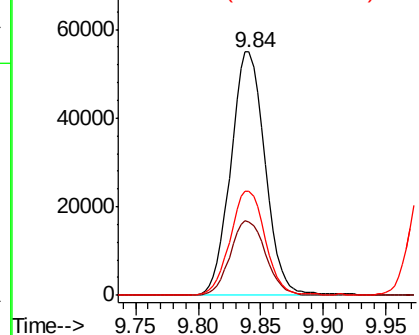
cis-1,3-Dichloropropene
 Concen: 18.881 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 104653
 Ion Ratio Lower Upper
 75 100
 77 30.3 26.0 39.0
 39 42.8 36.2 54.4



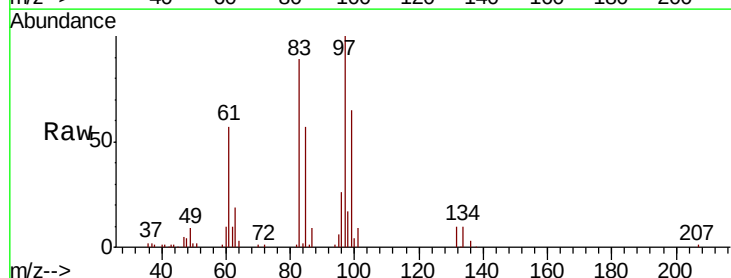
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



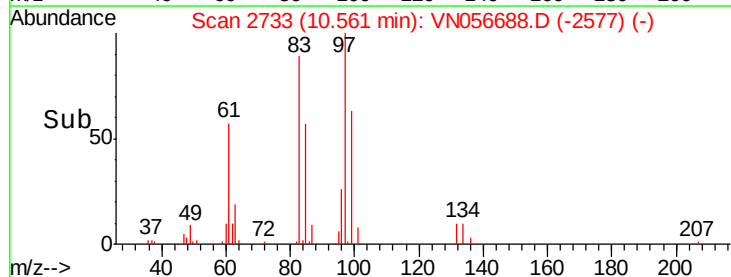
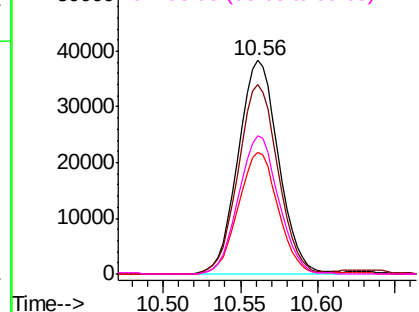
#50

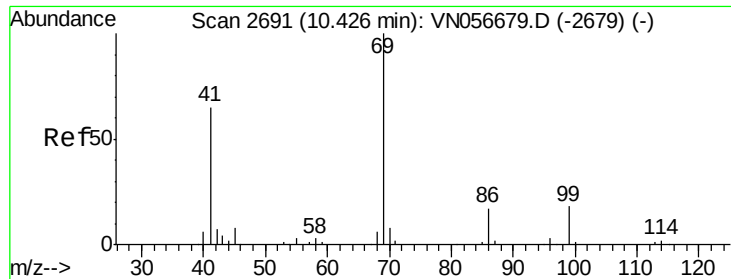
1,1,2-Trichloroethane
 Concen: 19.763 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Tgt Ion: 97 Resp: 69781
 Ion Ratio Lower Upper
 97 100
 83 88.6 69.2 103.8
 85 57.2 45.3 67.9
 99 65.0 51.6 77.4



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO

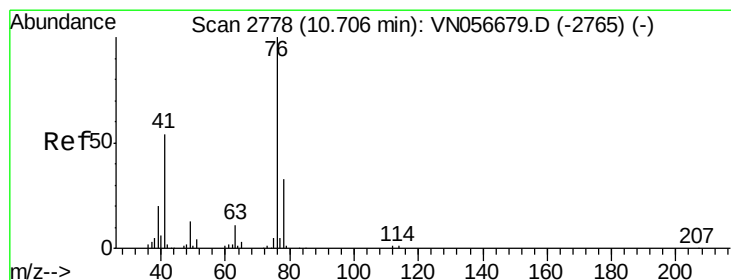
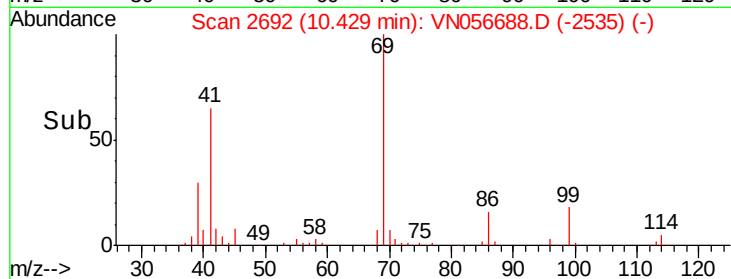
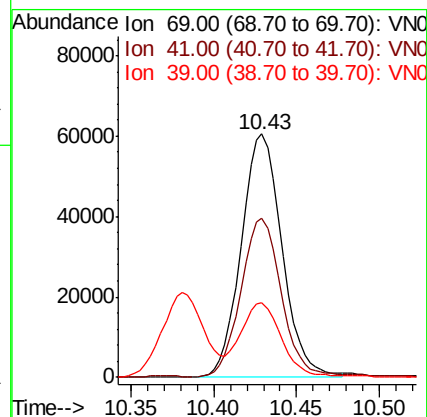
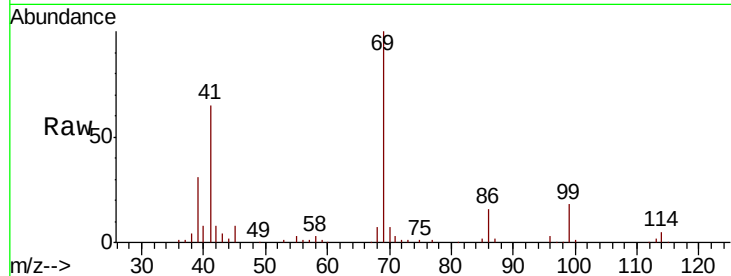




#51
Ethyl methacrylate
Concen: 19.089 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

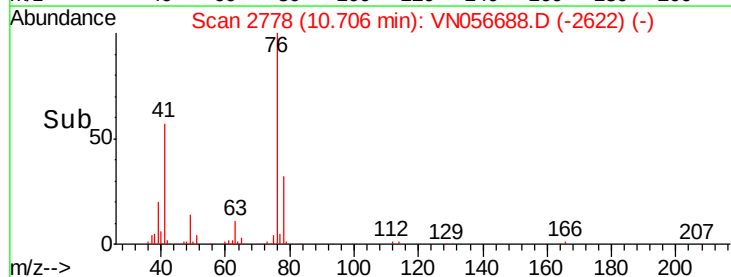
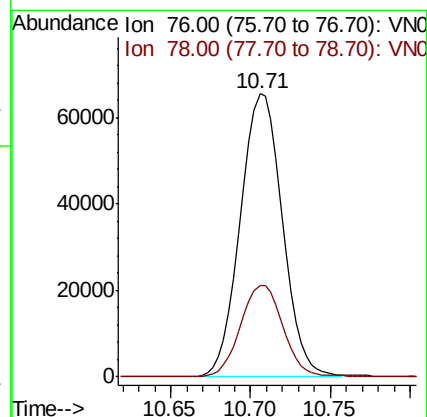
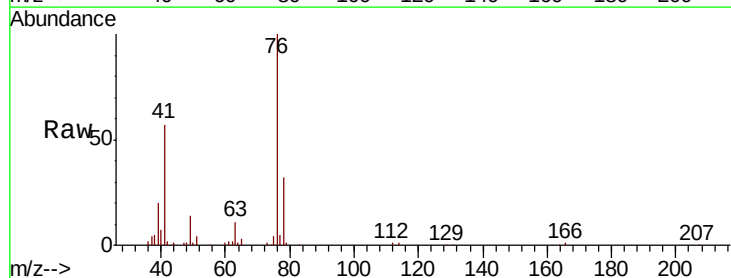
Instrument :
MSVOA_N
ClientSampled :

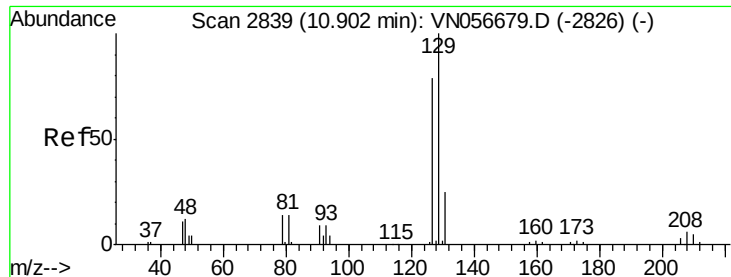
Tot Ion: 69 Resp: 103674
Ion Ratio Lower Upper
69 100
41 64.9 32.8 98.3
39 29.8 15.4 46.2



#52
1,3-Dichloropropane
Concen: 19.938 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Tgt Ion: 76 Resp: 117797
Ion Ratio Lower Upper
76 100
78 32.4 0.0 63.6





#53

Dibromochloromethane

Concen: 18.907 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

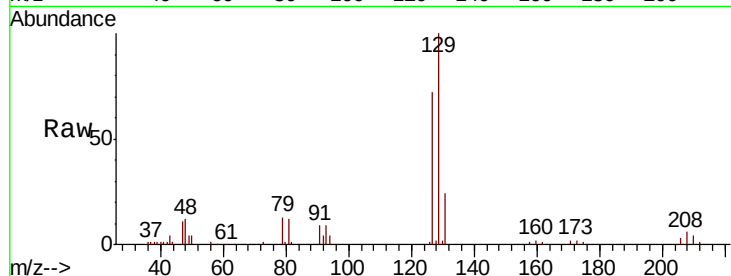
ClientSampleId :

Tot Ion:129 Resp: 67472

Ion Ratio Lower Upper

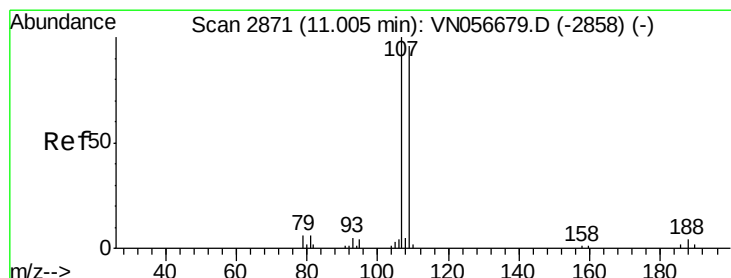
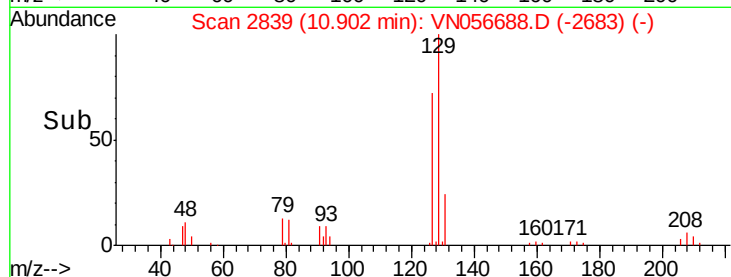
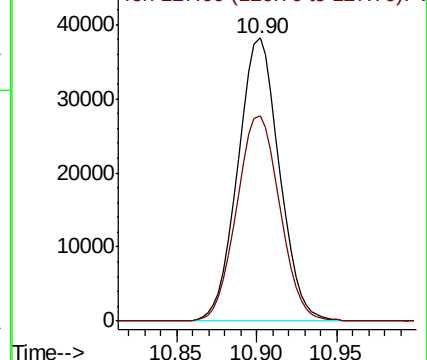
129 100

127 75.6 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.658 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056688.D

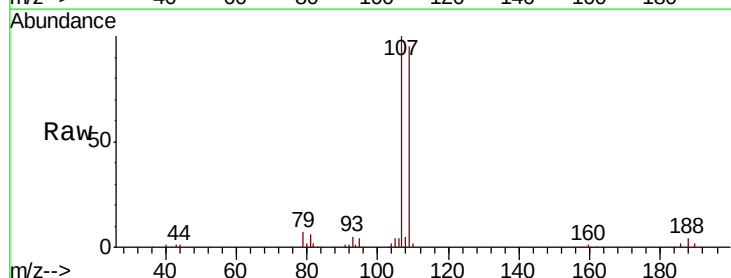
Acq: 12 Jul 2019 14:26

Tgt Ion:107 Resp: 72142

Ion Ratio Lower Upper

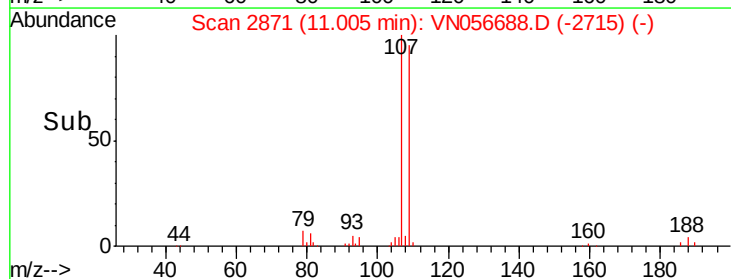
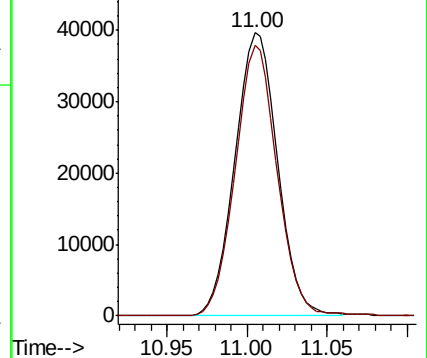
107 100

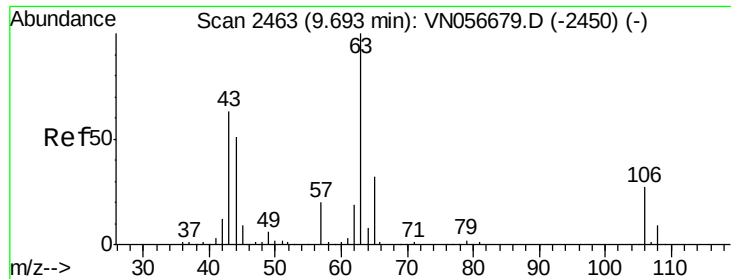
109 93.3 77.9 116.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

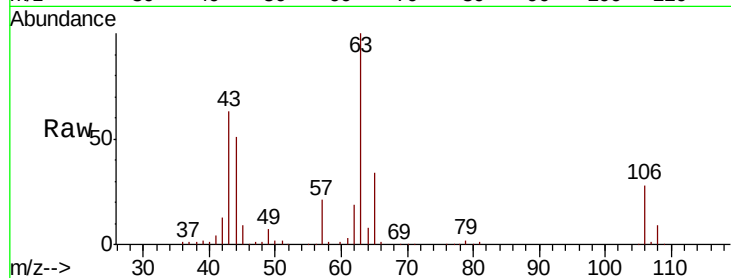




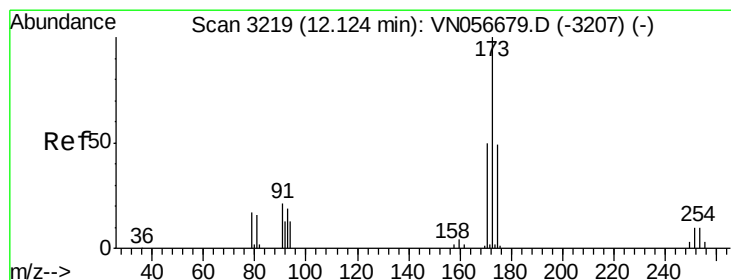
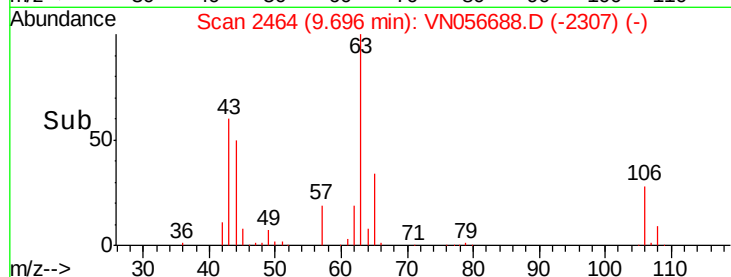
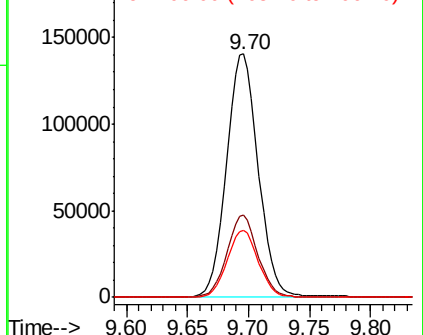
#55
2-Chloroethyl vinyl ether
Concen: 97.458 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 255962
Ion Ratio Lower Upper
63 100
65 32.7 25.2 37.8
106 27.2 21.6 32.4

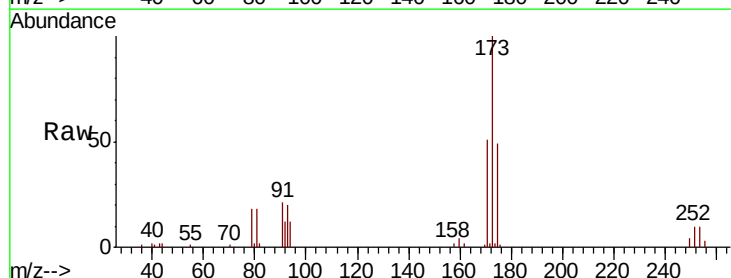


Abundance Ion 63.00 (62.70 to 63.70): VN056679.D (-2450) (-)
Ion 65.00 (64.70 to 65.70): VN056679.D (-2450) (-)
Ion 106.00 (105.70 to 106.70): VN056679.D (-2450) (-)

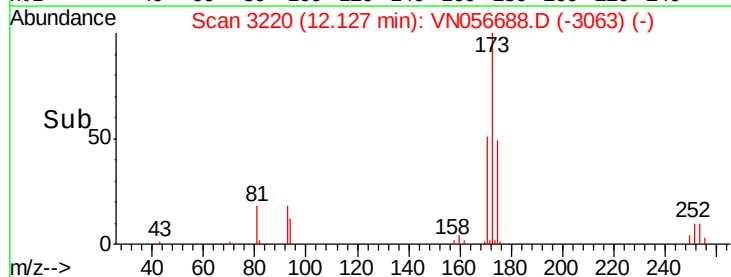
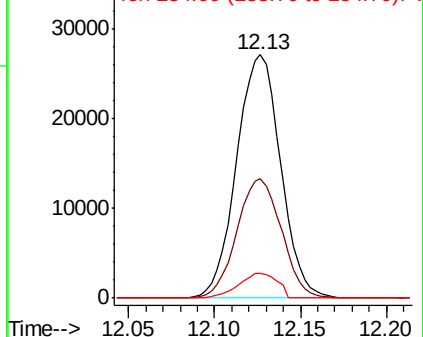


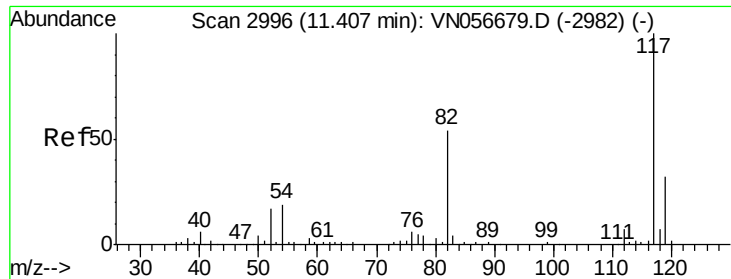
#56
Bromoform
Concen: 18.323 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Tgt Ion: 173 Resp: 48405
Ion Ratio Lower Upper
173 100
175 49.6 39.7 59.5
254 8.9 7.8 11.8



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

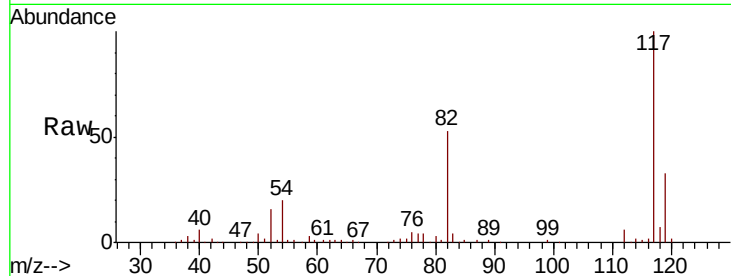




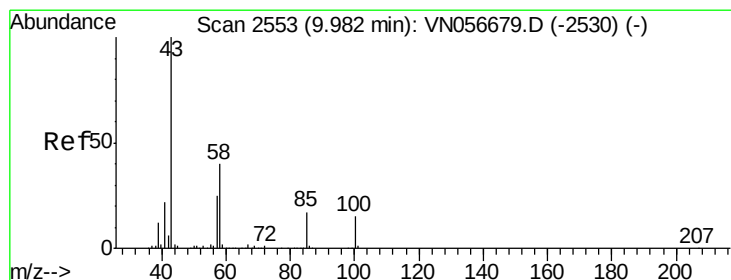
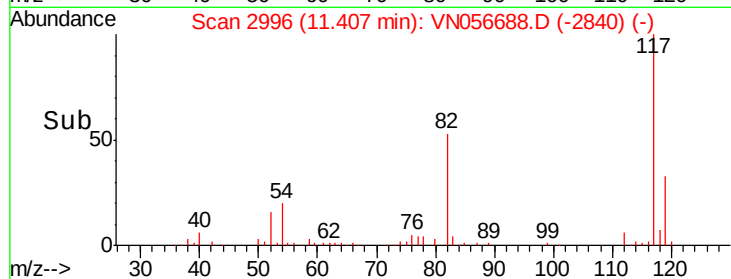
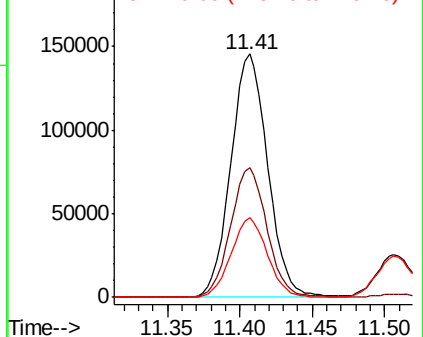
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 257440
Ion Ratio Lower Upper
117 100
82 52.4 43.0 64.4
119 32.0 26.0 39.0

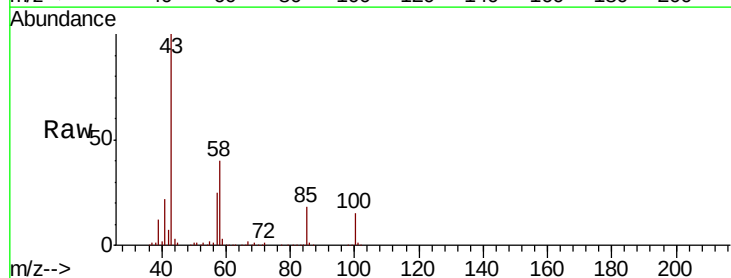


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

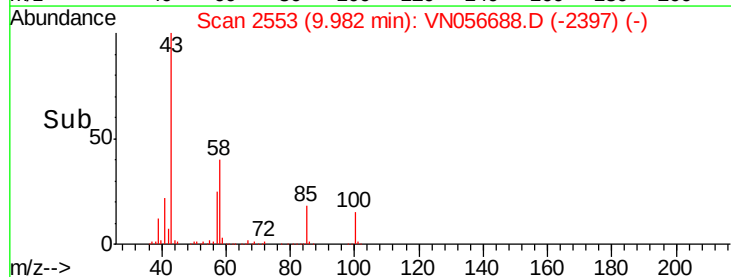
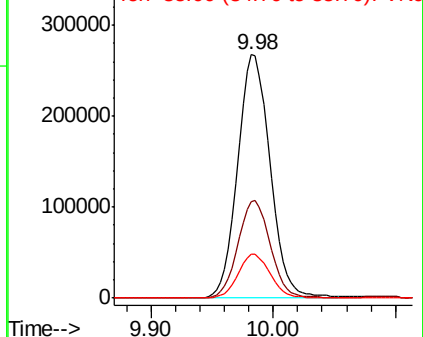


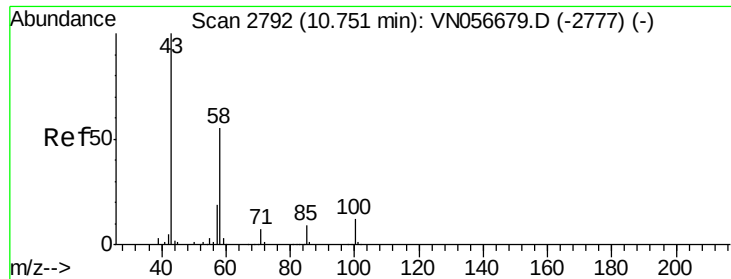
#58
4-Methyl-2-Pentanone
Concen: 101.514 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Tgt Ion: 43 Resp: 491879
Ion Ratio Lower Upper
43 100
58 40.0 31.9 47.9
85 18.1 14.2 21.4



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

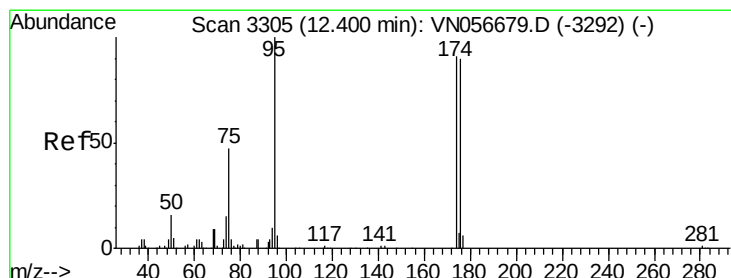
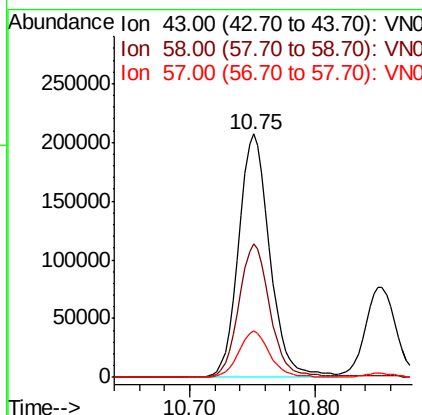
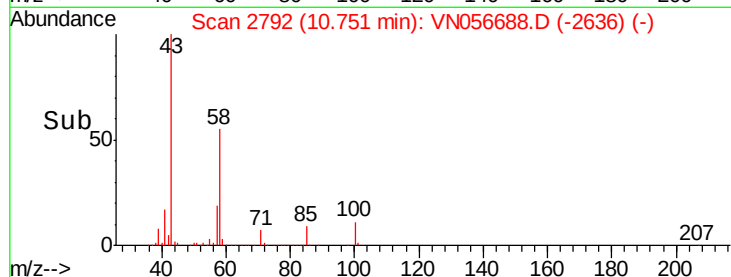
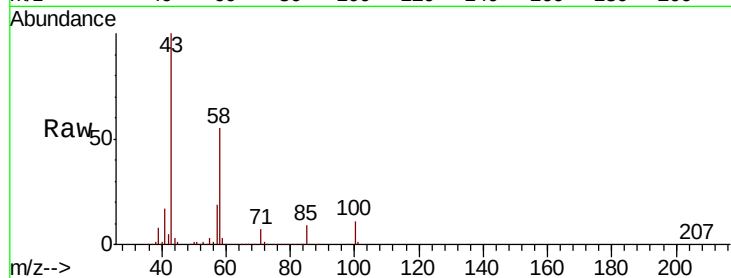




#59
2-Hexanone
Concen: 97.502 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

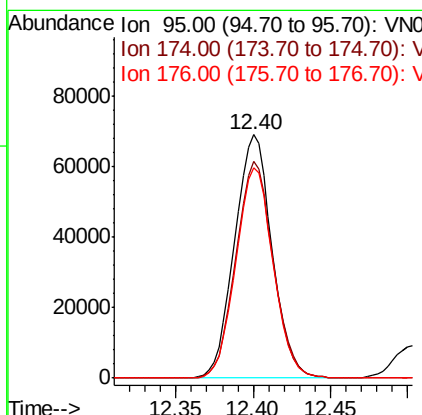
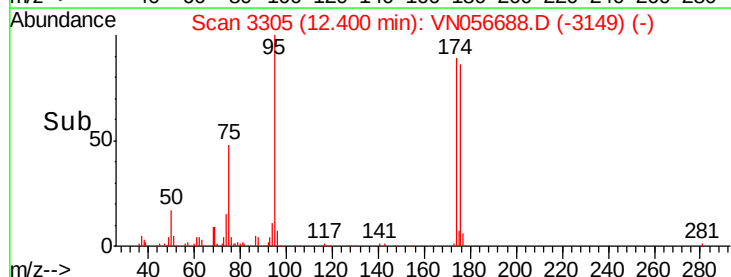
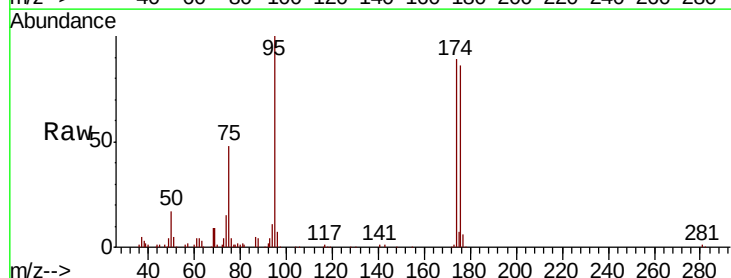
Instrument :
MSVOA_N
ClientSampled :

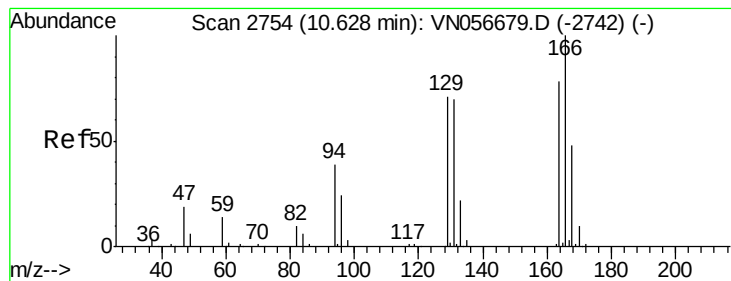
Tot Ion: 43 Resp: 358616
Ion Ratio Lower Upper
43 100
58 55.0 44.4 66.6
57 18.9 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.415 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Tgt Ion: 95 Resp: 115892
Ion Ratio Lower Upper
95 100
174 89.1 72.6 108.8
176 86.2 71.0 106.6





#61

Tetrachloroethene

Concen: 19.542 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 72291

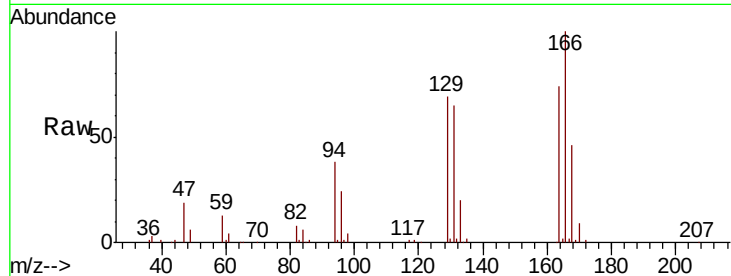
Ion Ratio Lower Upper

164 100

166 134.3 102.3 153.5

129 92.4 72.6 108.8

131 86.9 71.4 107.2

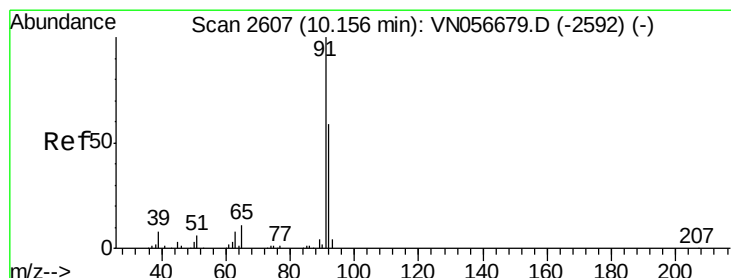
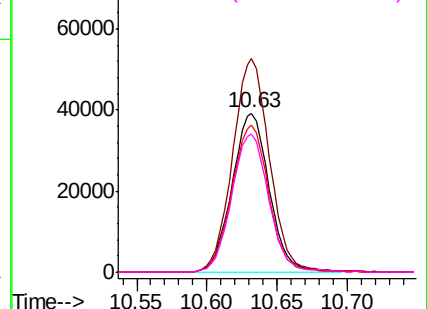
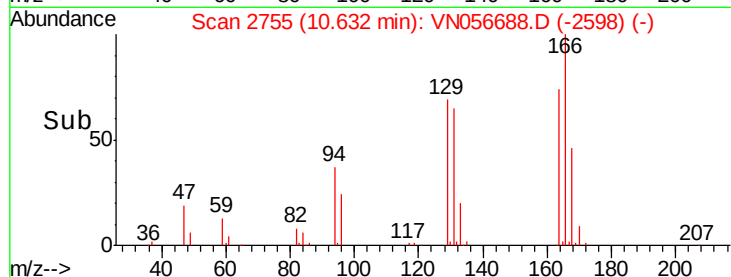


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.704 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056688.D

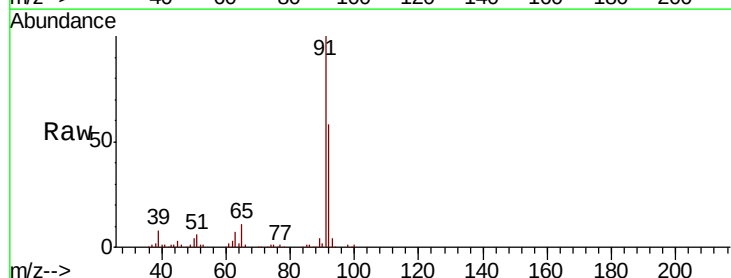
Acq: 12 Jul 2019 14:26

Tgt Ion: 91 Resp: 297948

Ion Ratio Lower Upper

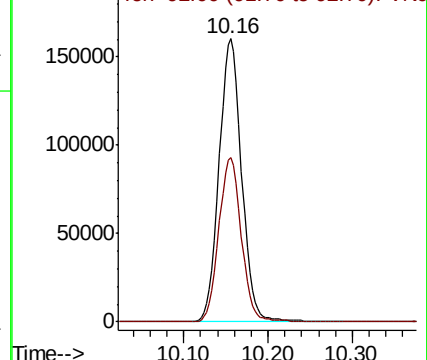
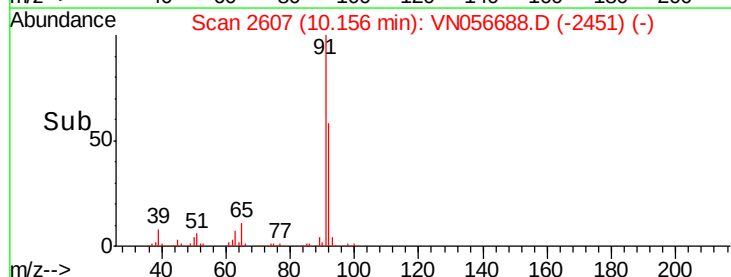
91 100

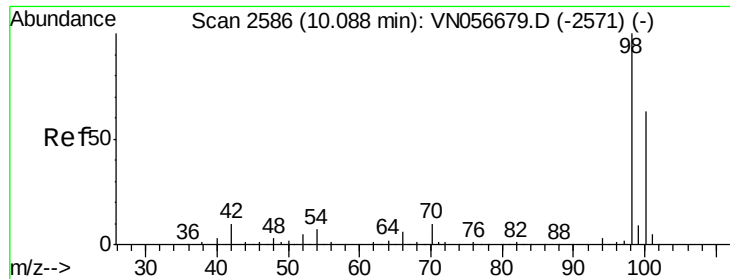
92 57.8 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.511 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

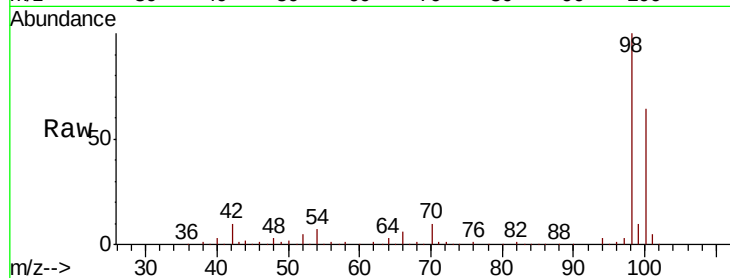
ClientSampleId :

Tot Ion: 98 Resp: 358896

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



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

Ion 100.00 (99.70 to 100.70): VN056688.D (-2430) (-)

10.09

200000

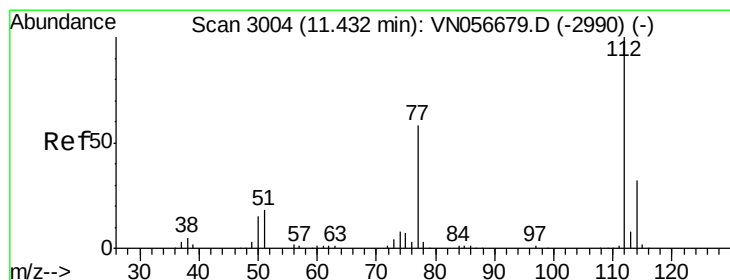
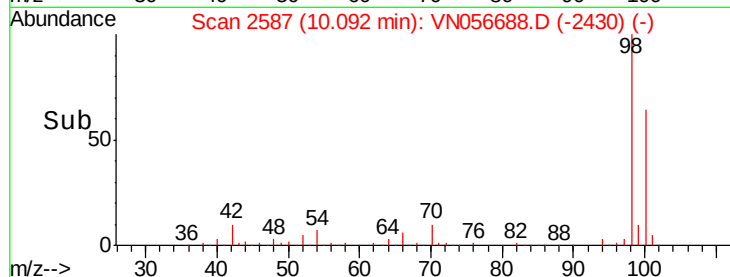
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 19.455 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056688.D

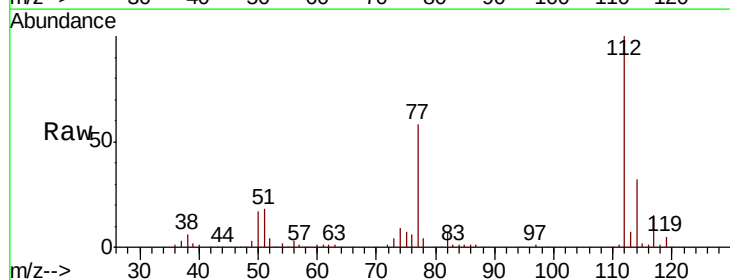
Acq: 12 Jul 2019 14:26

Tgt Ion: 112 Resp: 179418

Ion Ratio Lower Upper

112 100

114 32.2 25.3 37.9



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

Ion 114.00 (113.70 to 114.70): VN056688.D (-2848) (-)

11.43

120000

100000

80000

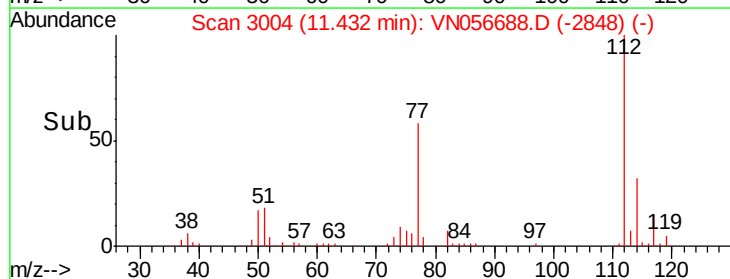
60000

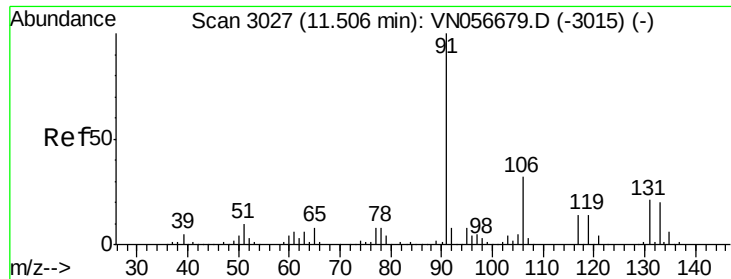
40000

20000

0

Time-->

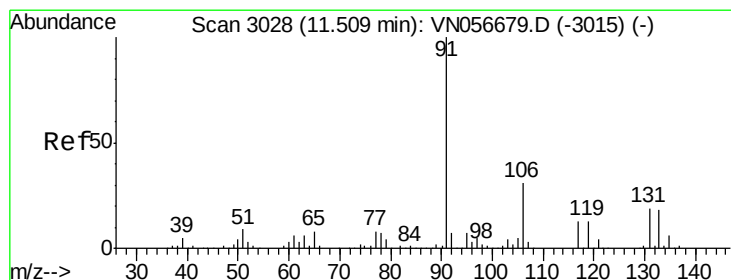
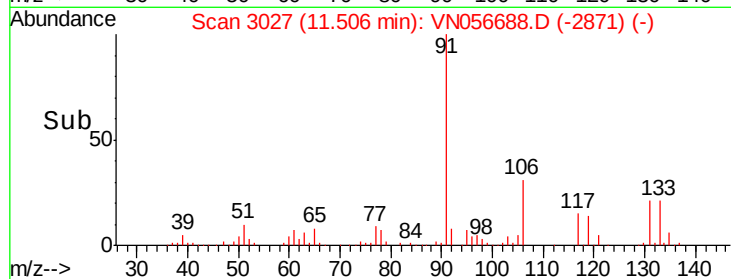
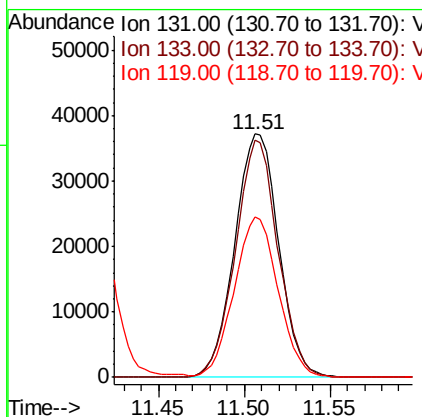
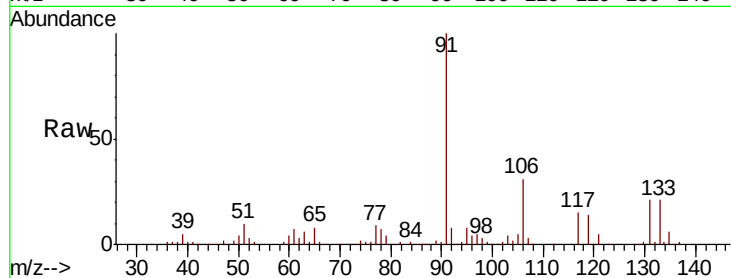




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.516 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

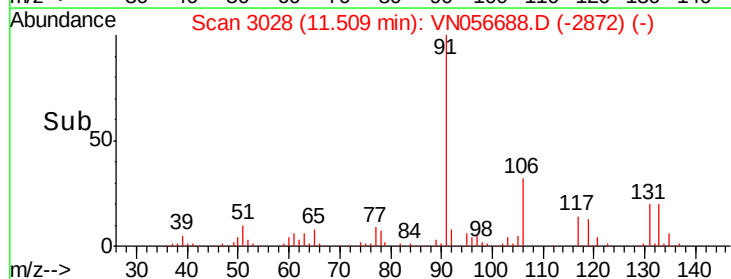
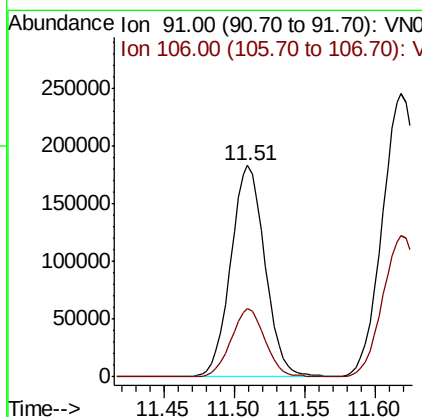
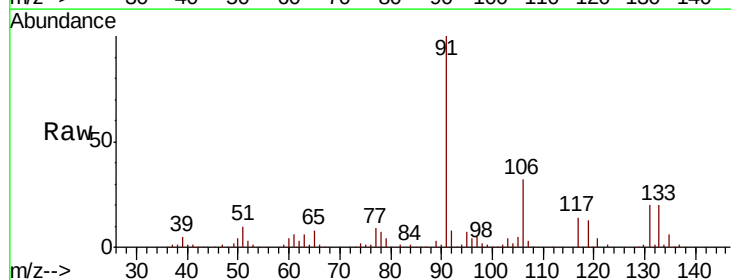
Instrument :
 MSVOA_N
 ClientSampleId :

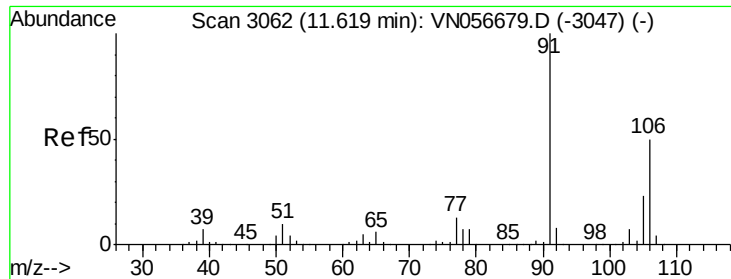
Tot Ion:131 Resp: 65986
 Ion Ratio Lower Upper
 131 100
 133 94.5 0.0 191.4
 119 65.9 0.0 133.4



#66
 Ethyl Benzene
 Concen: 19.092 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Tgt Ion: 91 Resp: 312050
 Ion Ratio Lower Upper
 91 100
 106 32.3 25.1 37.7

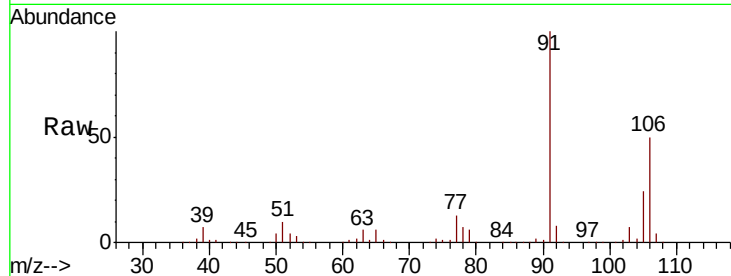




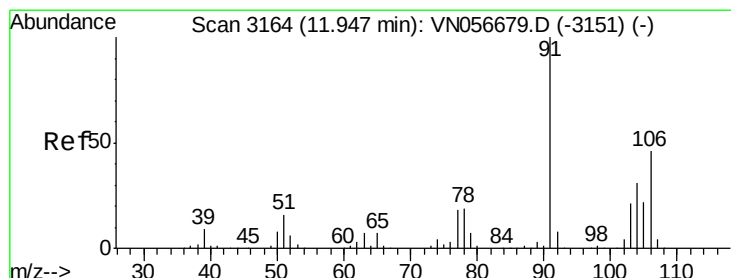
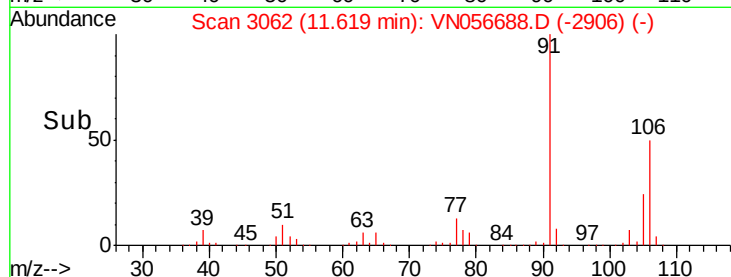
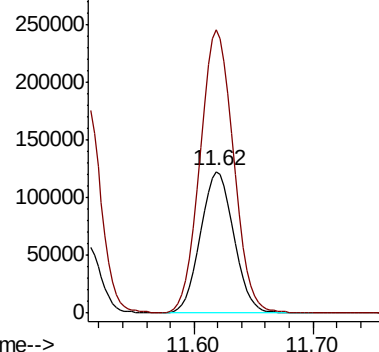
#67
m/p-Xylenes
Concen: 38.605 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 238125
Ion Ratio Lower Upper
106 100
91 201.4 161.8 242.8

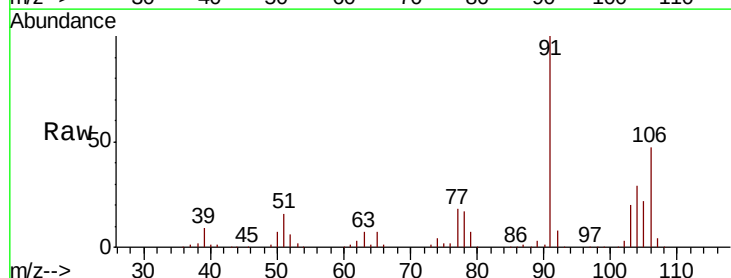


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

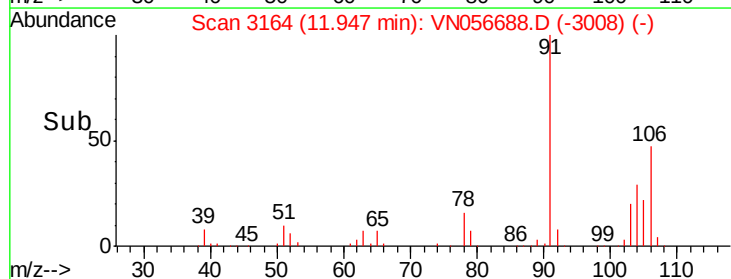
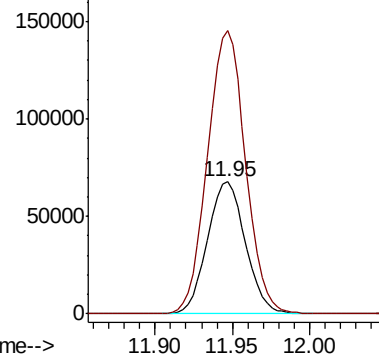


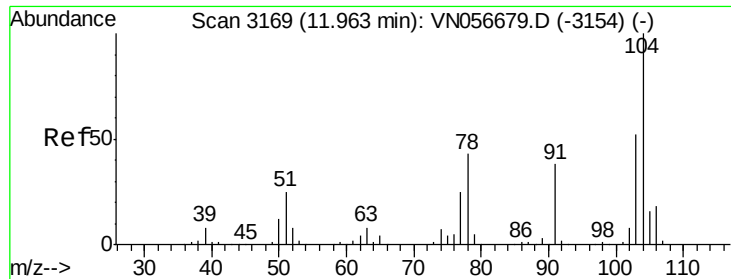
#68
o-Xylene
Concen: 19.209 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Tgt Ion:106 Resp: 115567
Ion Ratio Lower Upper
106 100
91 214.0 108.1 324.2



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

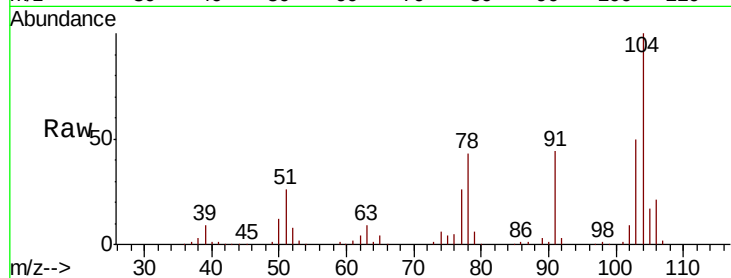




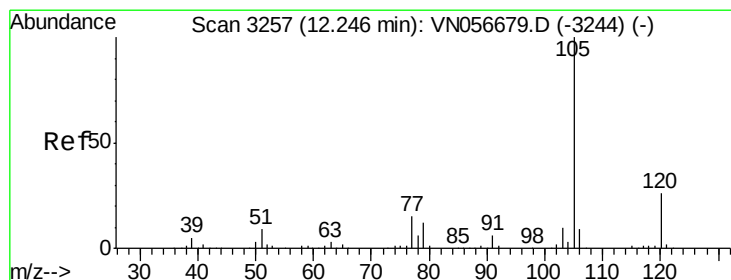
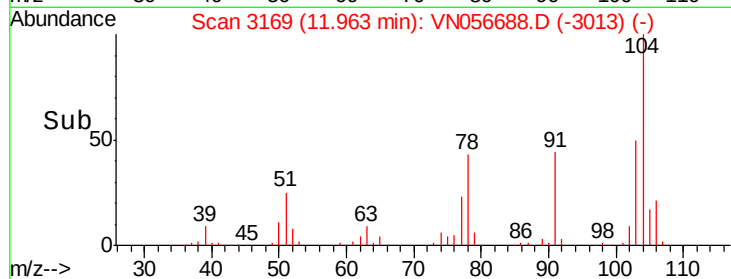
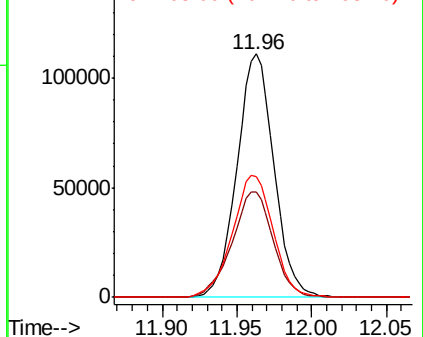
#69
Stvrene
Concen: 19.178 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:104 Resp: 191181
Ion Ratio Lower Upper
104 100
78 48.2 38.7 58.1
103 55.2 45.0 67.4

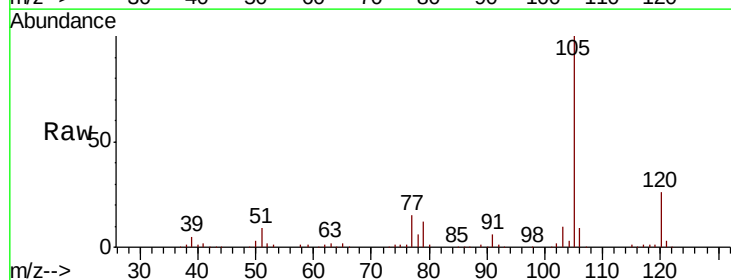


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

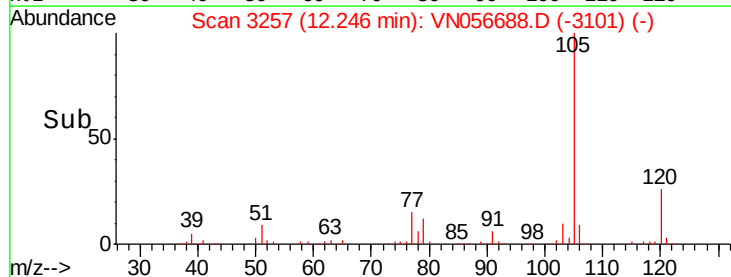
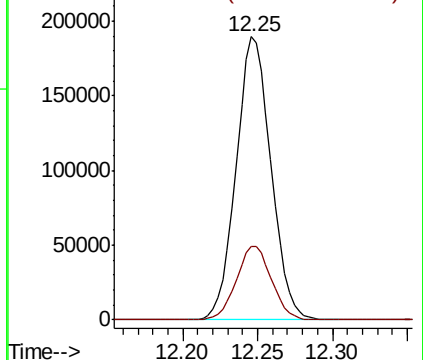


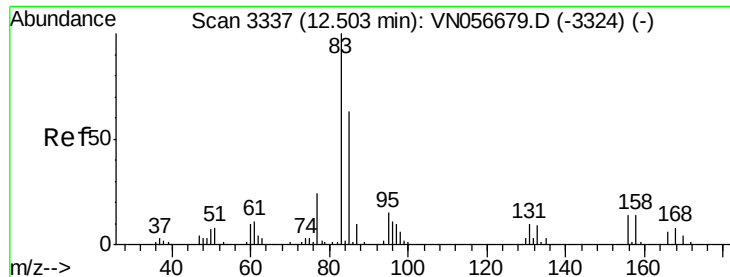
#70
Isopropylbenzene
Concen: 19.446 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Tgt Ion:105 Resp: 306668
Ion Ratio Lower Upper
105 100
120 26.3 18.6 34.5



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

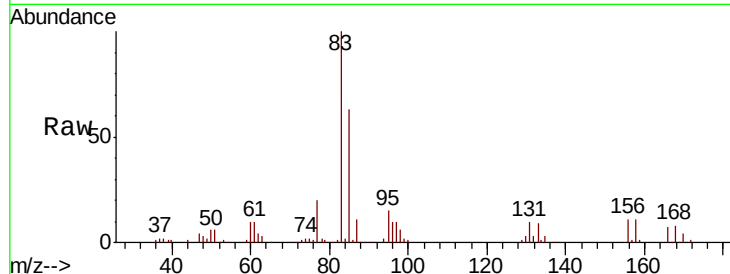




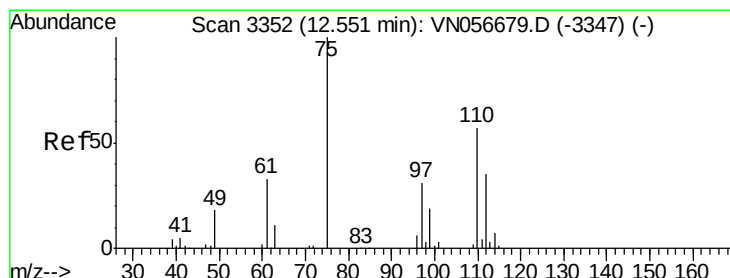
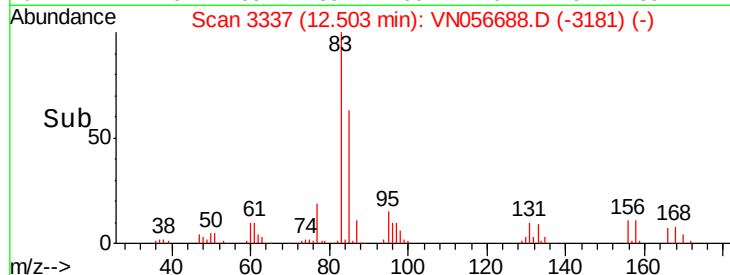
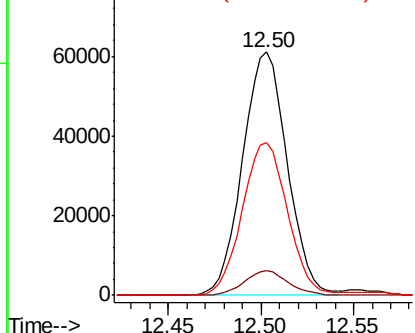
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.118 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 83 Resp: 102973
 Ion Ratio Lower Upper
 83 100
 131 10.0 5.1 15.3
 85 63.6 31.9 95.7

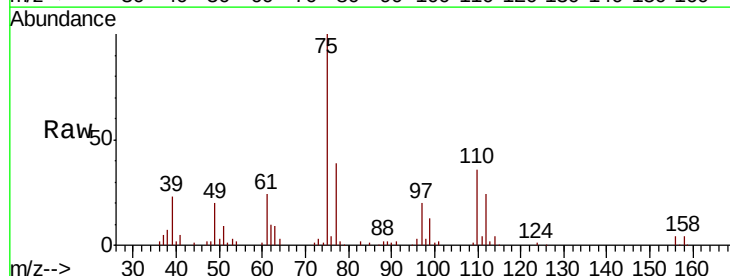


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

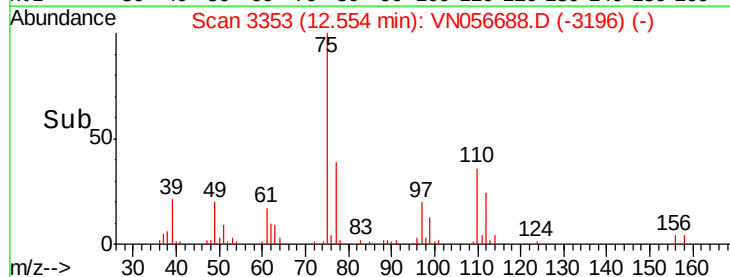
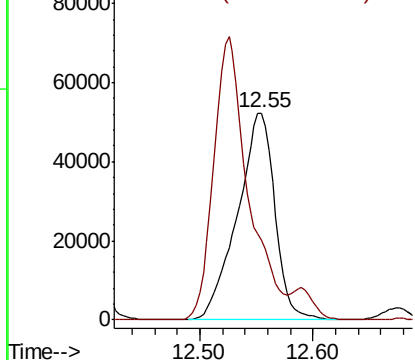


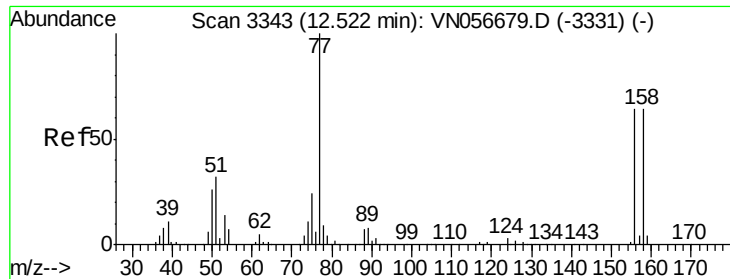
#72
 1,2,3-Trichloropropane
 Concen: 27.500 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Tgt Ion: 75 Resp: 120307
 Ion Ratio Lower Upper
 75 100
 77 126.2 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: 19.121 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

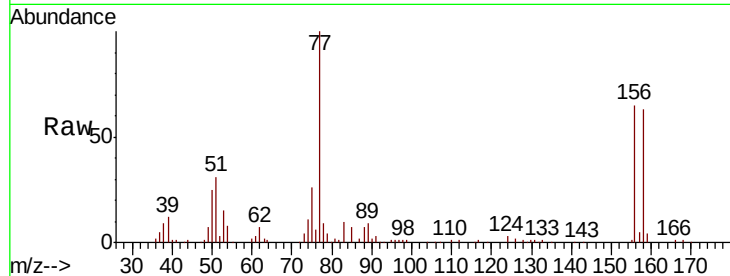
Tot Ion:156 Resp: 78799

Ion Ratio Lower Upper

156 100

77 192.7 0.0 381.8

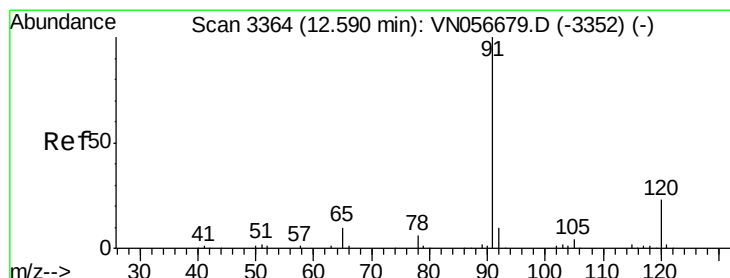
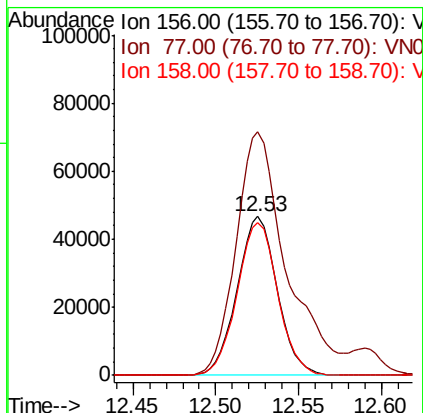
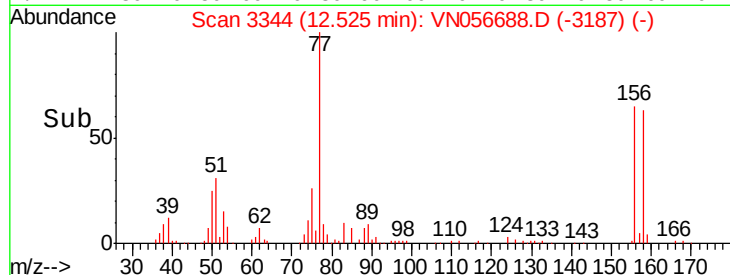
158 97.2 0.0 195.8



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: 18.670 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056688.D

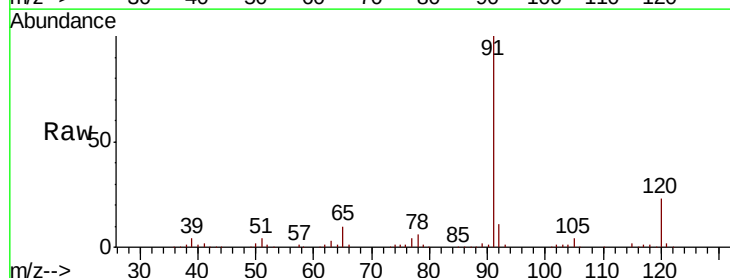
Acq: 12 Jul 2019 14:26

Tgt Ion: 91 Resp: 332175

Ion Ratio Lower Upper

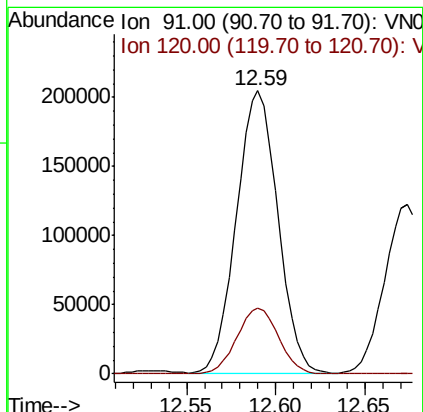
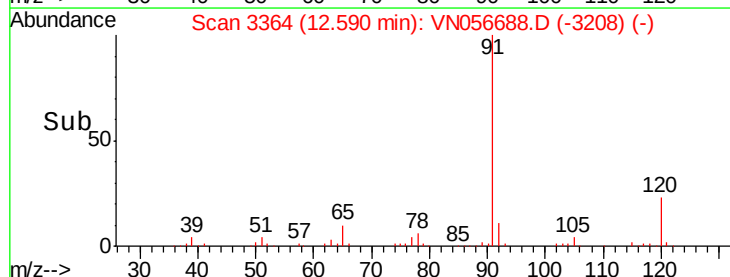
91 100

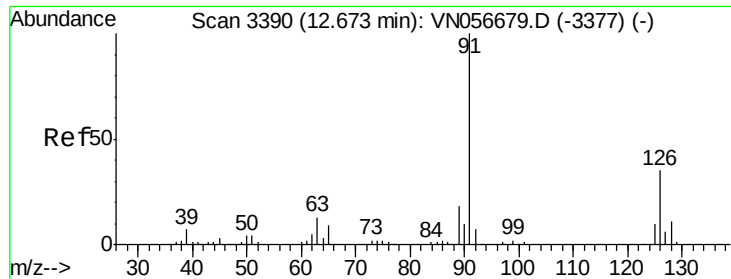
120 23.3 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.152 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

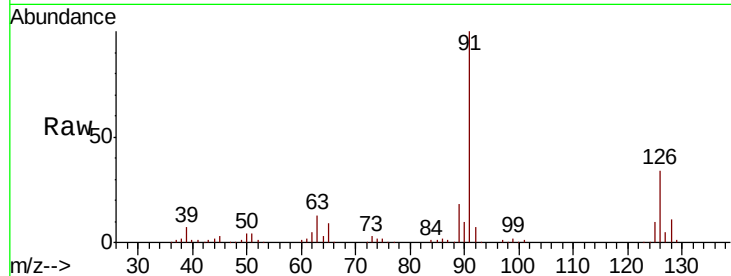
ClientSampleId :

Tot Ion: 91 Resp: 205219

Ion Ratio Lower Upper

91 100

126 34.9 0.0 69.8



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

Ion 126.00 (125.70 to 126.70): VN056679.D (-3377) (-)

12.67

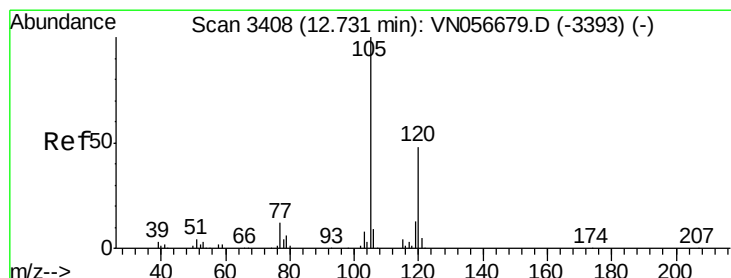
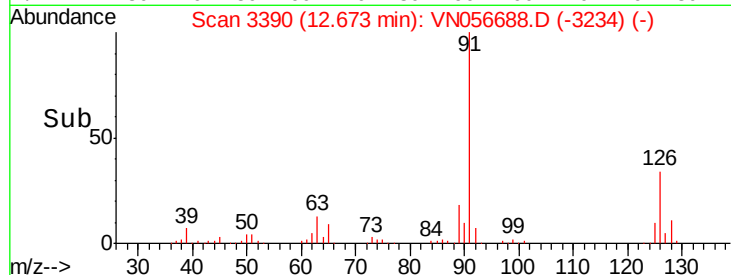
150000

100000

50000

0

Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 19.316 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056688.D

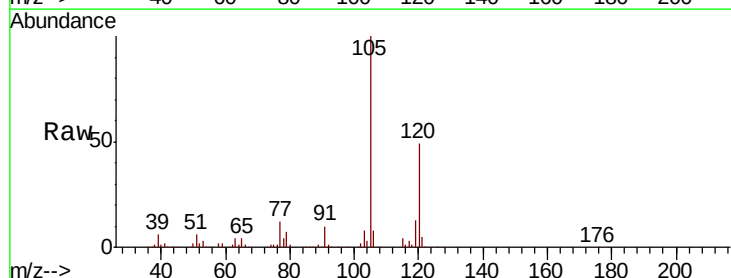
Acq: 12 Jul 2019 14:26

Tgt Ion: 105 Resp: 259825

Ion Ratio Lower Upper

105 100

120 48.3 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) (-)

12.73

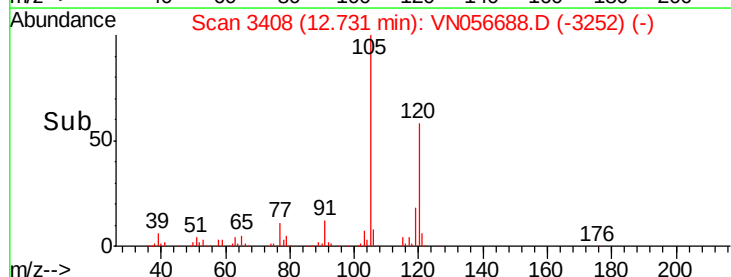
150000

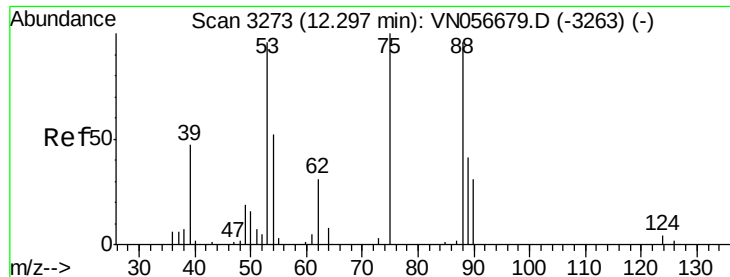
100000

50000

0

Time--> 12.65 12.70 12.75 12.80





#77

t-1,4-Dichloro-2-butene

Concen: 17.240 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

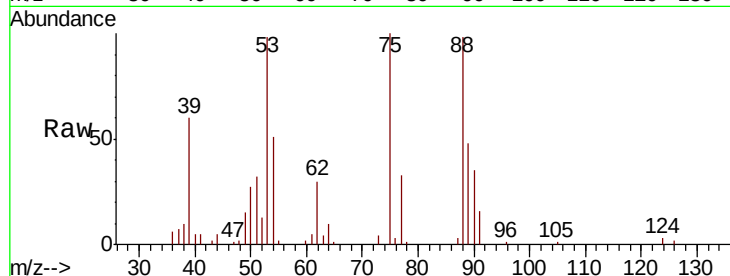
Tot Ion: 75 Resp: 25071

Ion Ratio Lower Upper

75 100

53 98.2 48.6 145.8

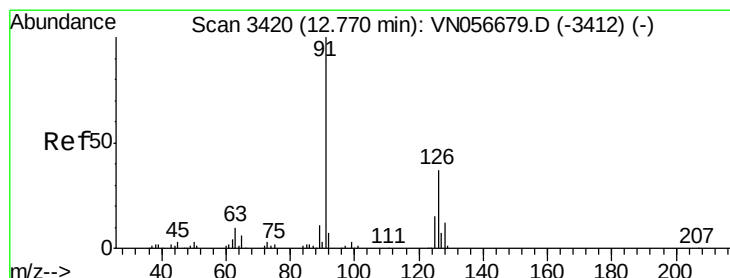
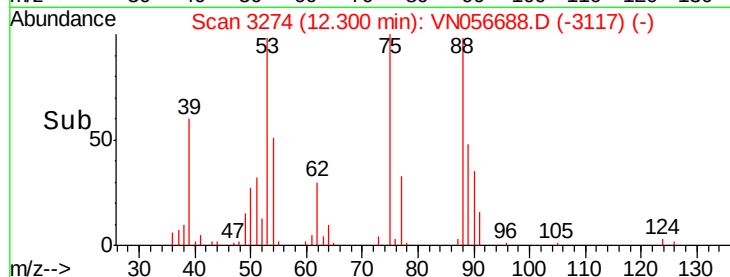
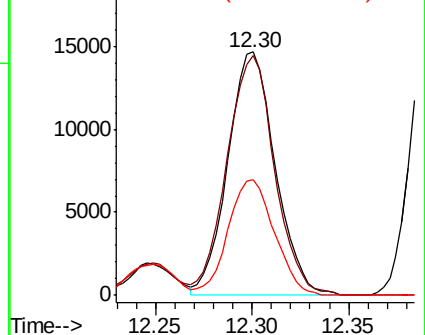
89 47.7 21.3 64.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.372 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056688.D

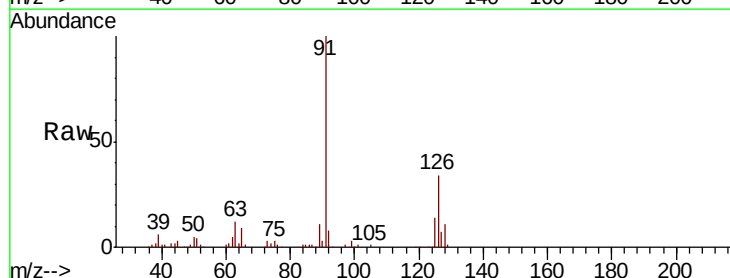
Acq: 12 Jul 2019 14:26

Tgt Ion: 91 Resp: 190902

Ion Ratio Lower Upper

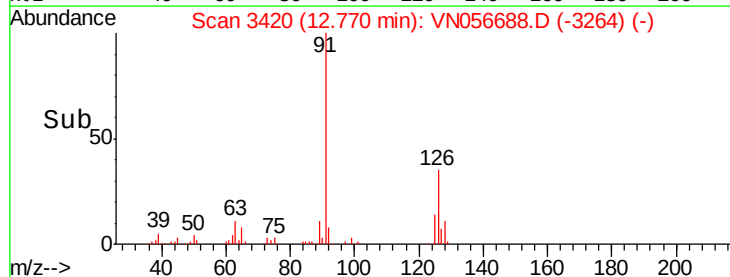
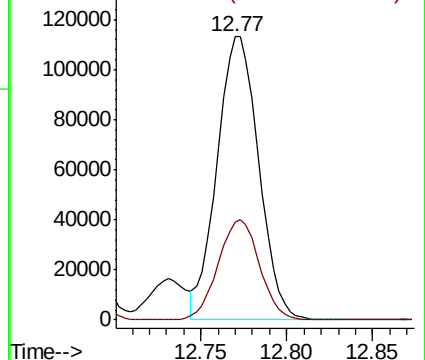
91 100

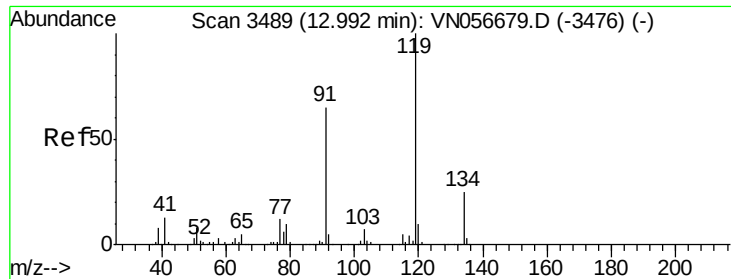
126 35.3 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

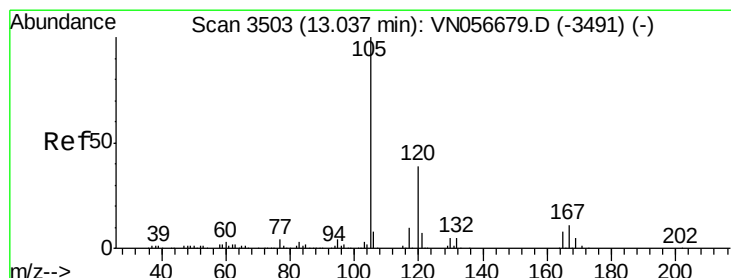
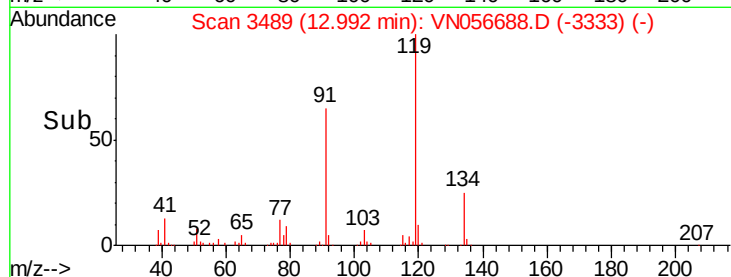
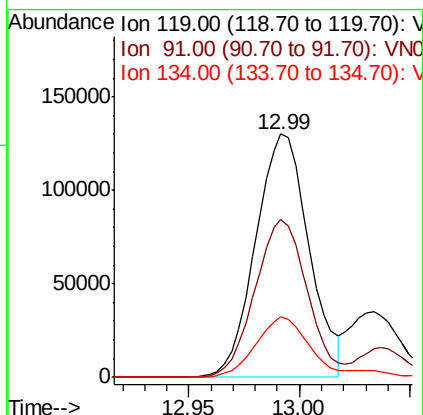
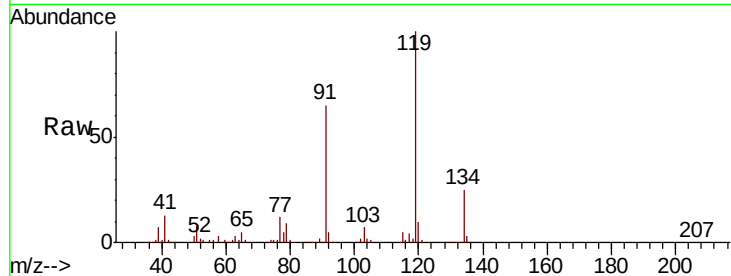




#79
tert-butylbenzene
Concen: 19.046 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

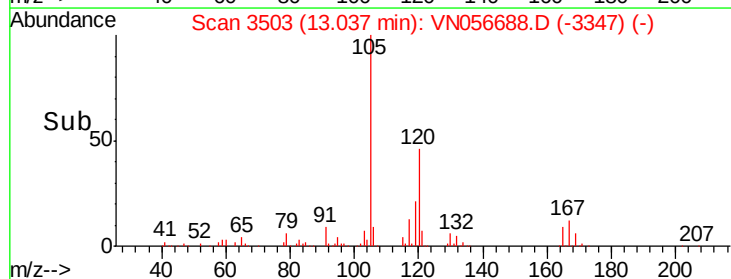
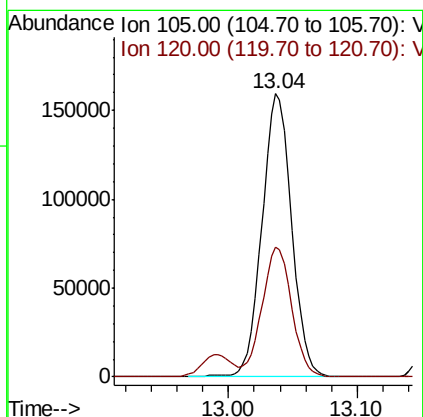
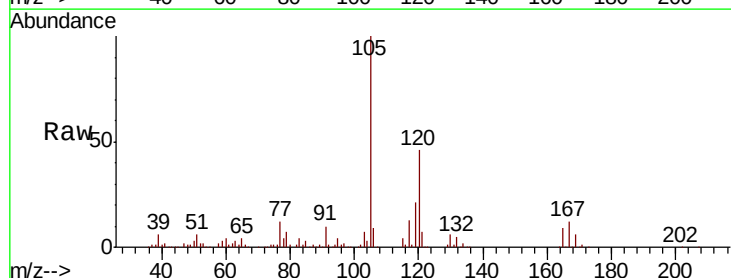
Instrument :
MSVOA_N
ClientSampled :

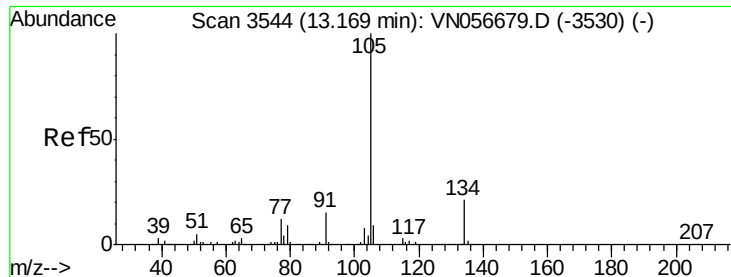
Tot Ion:119 Resp: 217936
Ion Ratio Lower Upper
119 100
91 63.7 0.0 125.4
134 24.5 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 19.162 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056688.D
Acq: 12 Jul 2019 14:26

Tgt Ion:105 Resp: 255619
Ion Ratio Lower Upper
105 100
120 46.0 0.0 91.2





#81

sec-Butylbenzene

Concen: 18.807 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

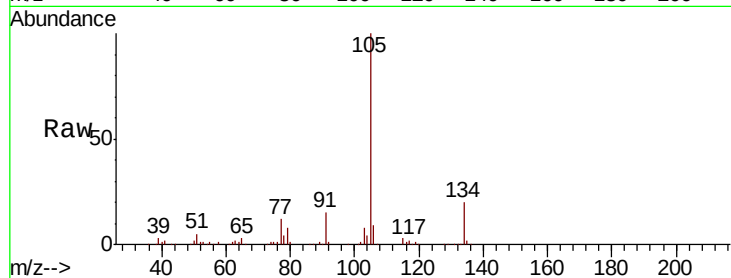
ClientSampleId :

Tot Ion:105 Resp: 284859

Ion Ratio Lower Upper

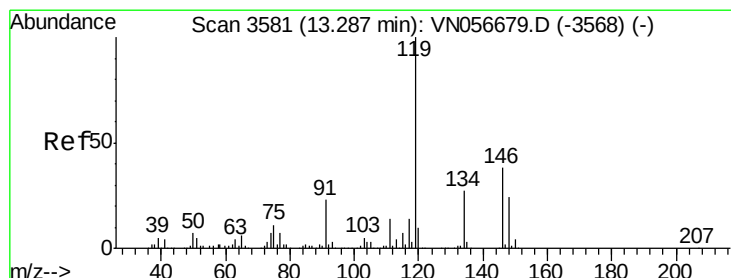
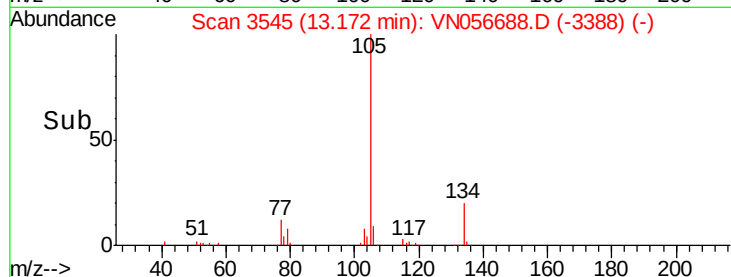
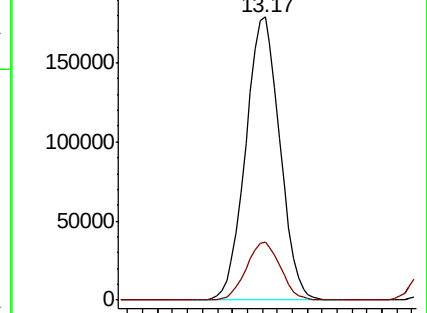
105 100

134 20.4 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.605 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

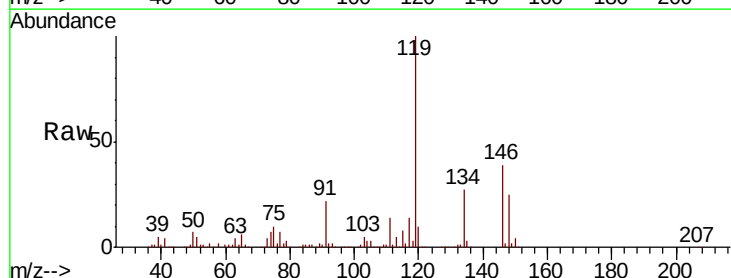
Tgt Ion:119 Resp: 256280

Ion Ratio Lower Upper

119 100

134 26.8 0.0 52.8

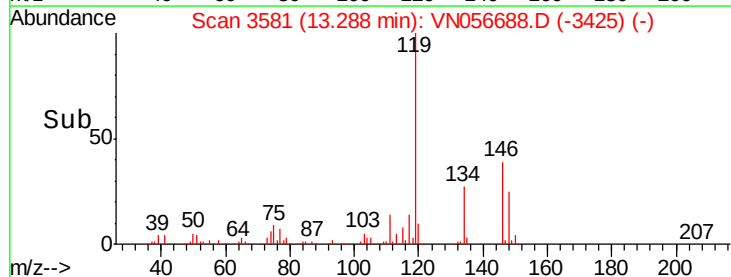
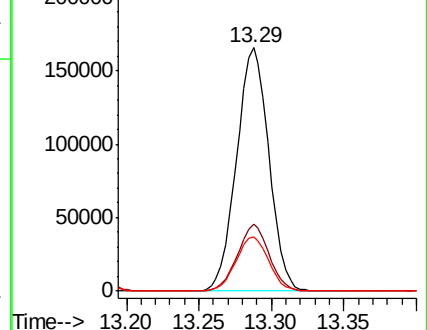
91 22.5 0.0 45.4

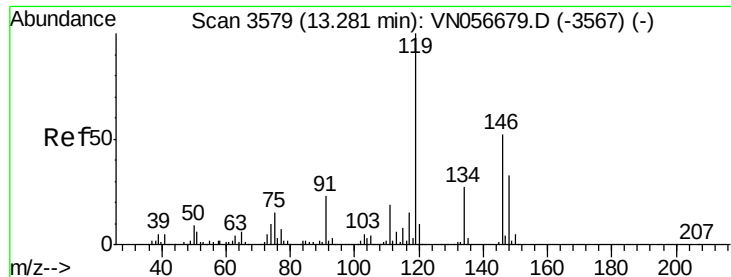


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 18.018 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

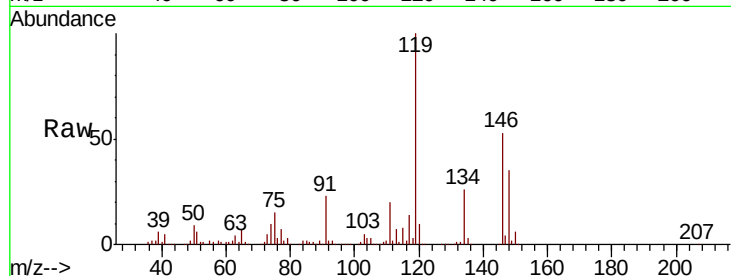
Tot Ion:146 Resp: 123757

Ion Ratio Lower Upper

146 100

111 38.2 18.7 56.1

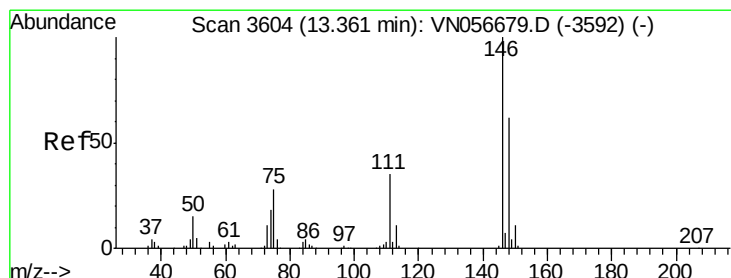
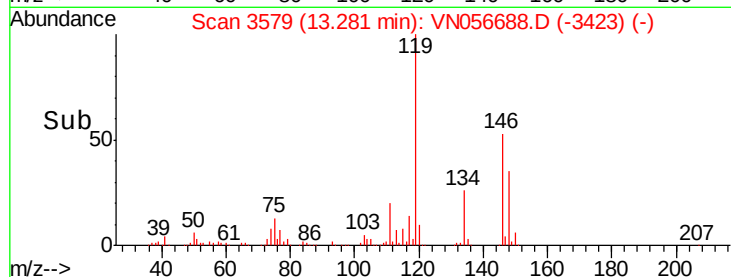
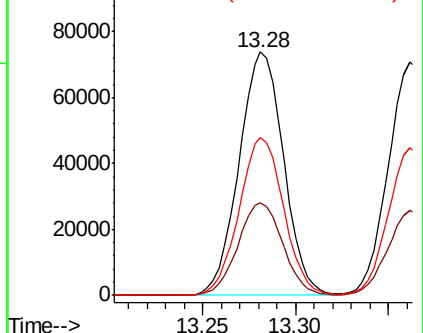
148 64.7 31.8 95.4



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



#84

1,4-Dichlorobenzene

Concen: 17.947 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

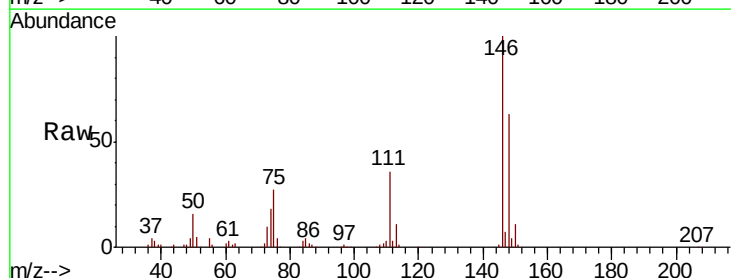
Tgt Ion:146 Resp: 118160

Ion Ratio Lower Upper

146 100

111 36.1 17.8 53.4

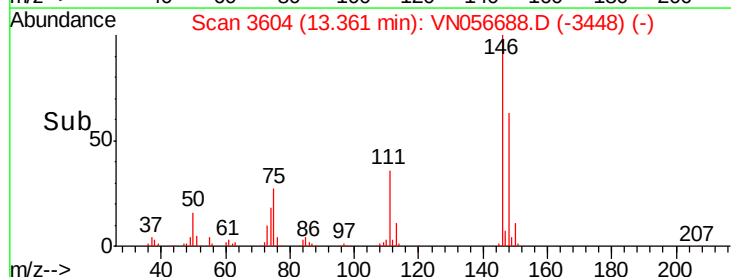
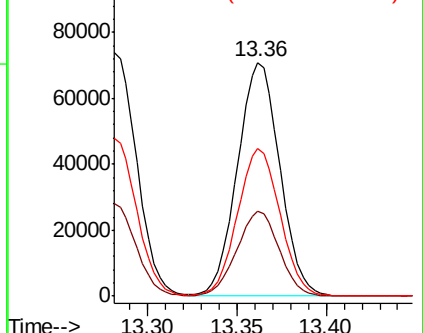
148 63.2 31.9 95.5

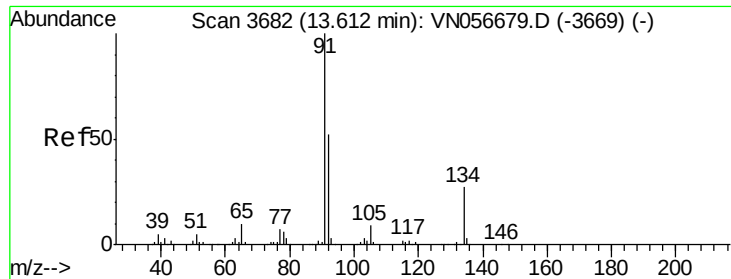


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 17.584 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

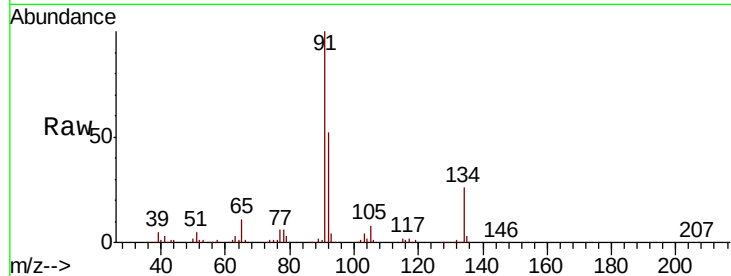
Tot Ion: 91 Resp: 199789

Ion Ratio Lower Upper

91 100

92 51.8 0.0 104.0

134 25.8 0.0 53.2



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

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

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

13.61

150000

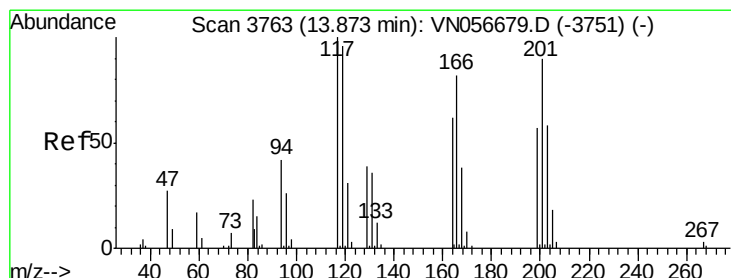
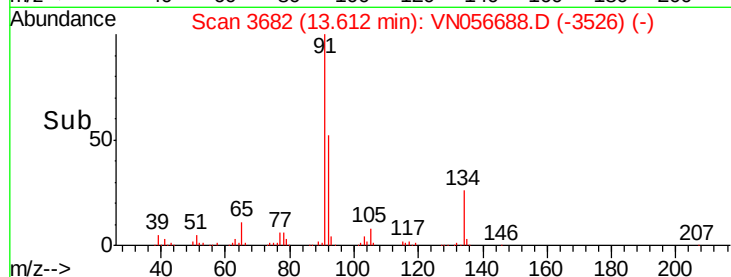
100000

50000

0

13.55 13.60 13.65 13.70

Time-->



#86

Hexachloroethane

Concen: 18.491 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056688.D

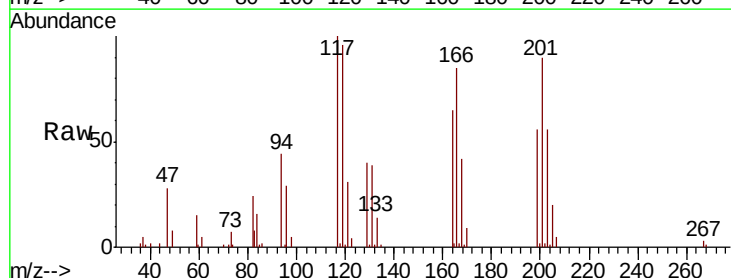
Acq: 12 Jul 2019 14:26

Tgt Ion: 117 Resp: 39964

Ion Ratio Lower Upper

117 100

201 86.9 45.6 136.7



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

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

13.87

25000

20000

15000

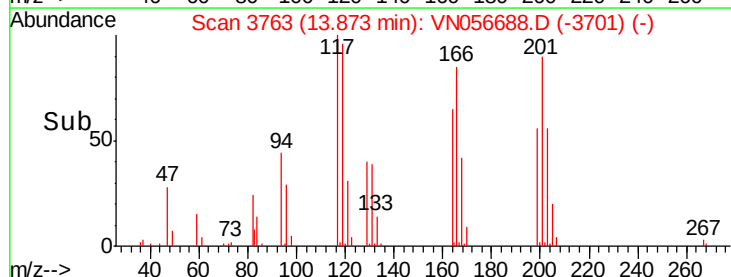
10000

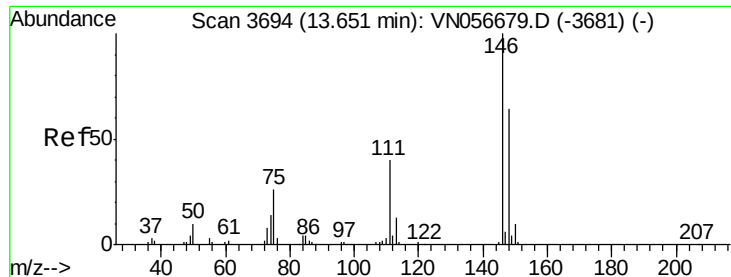
5000

0

13.80 13.85 13.90

Time-->

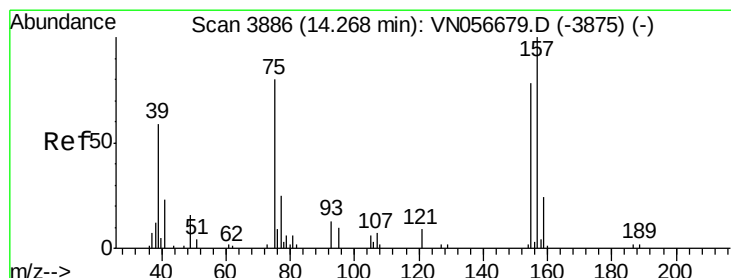
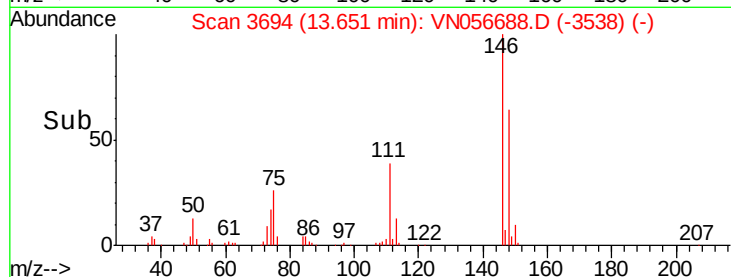
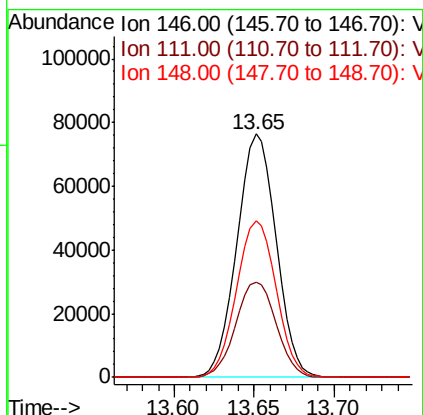
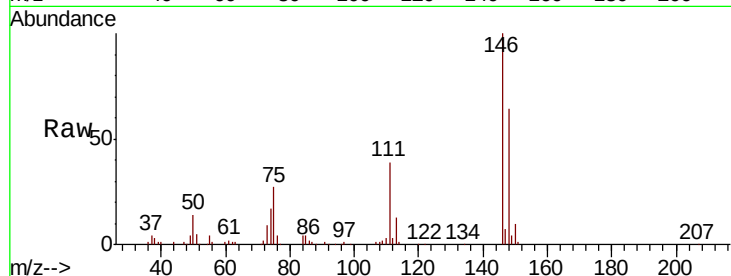




#87
 1,2-Dichlorobenzene
 Concen: 18.522 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

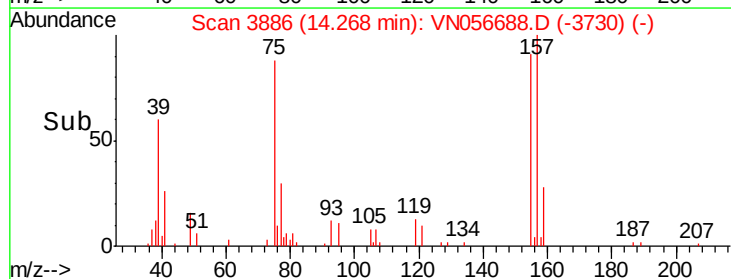
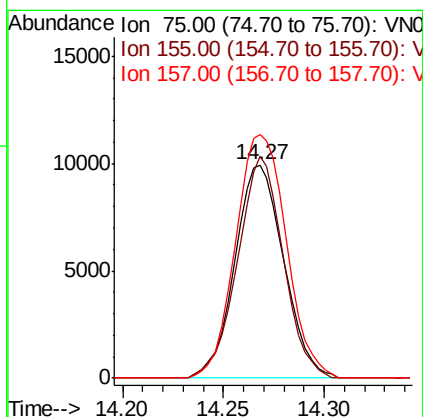
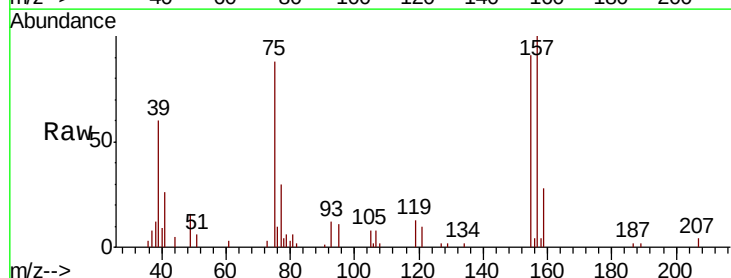
Instrument :
 MSVOA_N
 ClientSampled :

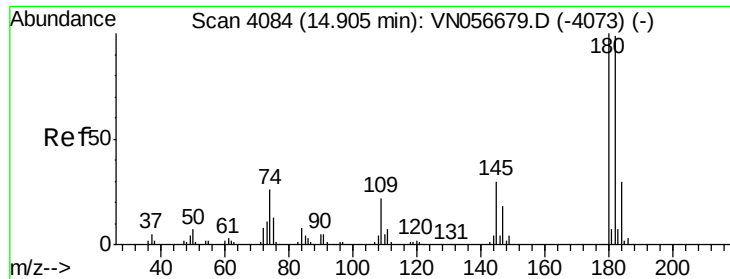
Tot Ion:146 Resp: 127846
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.7 59.0
 148 65.2 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.102 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Tgt Ion: 75 Resp: 16869
 Ion Ratio Lower Upper
 75 100
 155 96.8 78.6 117.8
 157 118.6 99.3 148.9

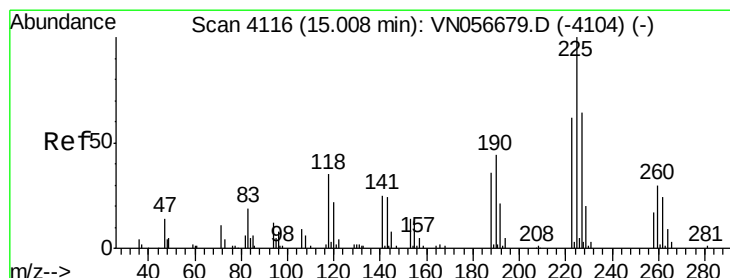
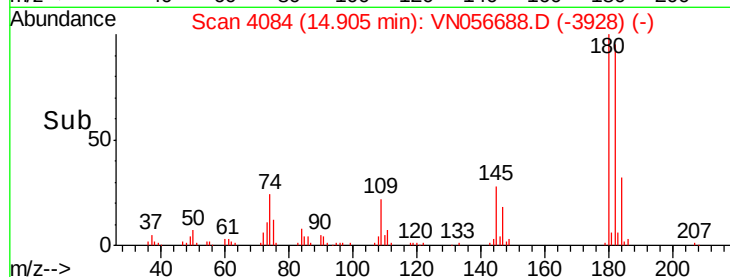
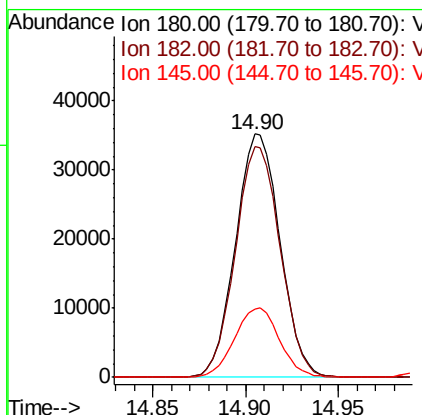
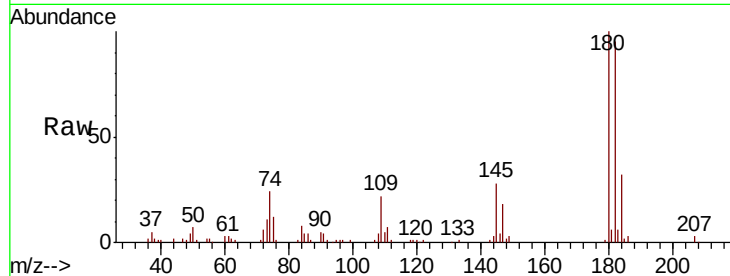




#89
 1,2,4-Trichlorobenzene
 Concen: 15.825 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

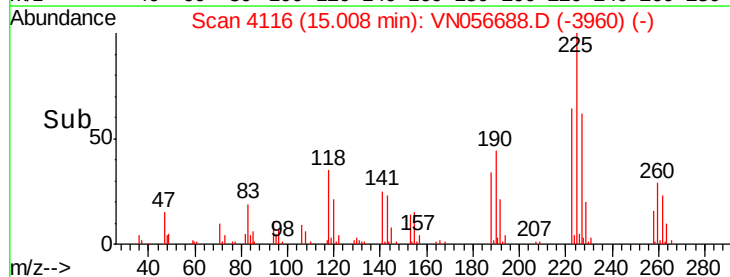
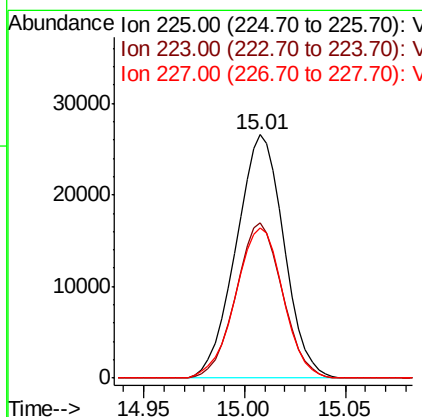
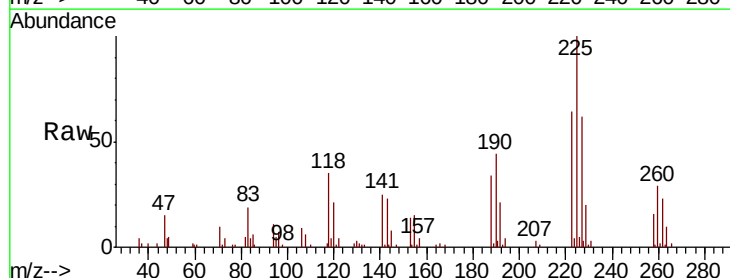
Instrument :
 MSVOA_N
 ClientSampleId :

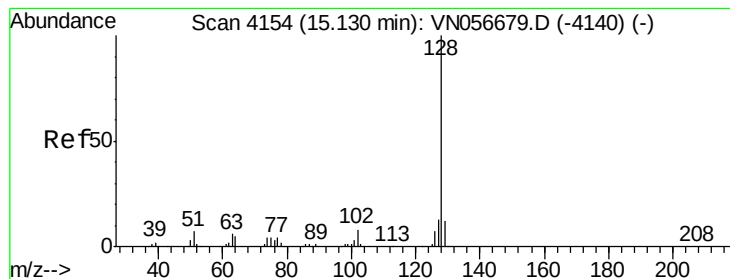
Tot Ion:180 Resp: 58754
 Ion Ratio Lower Upper
 180 100
 182 95.3 78.2 117.4
 145 28.8 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 18.269 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056688.D
 Acq: 12 Jul 2019 14:26

Tgt Ion:225 Resp: 44100
 Ion Ratio Lower Upper
 225 100
 223 61.8 0.0 124.6
 227 61.4 0.0 128.6





#91

Naphthalene

Concen: 15.772 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

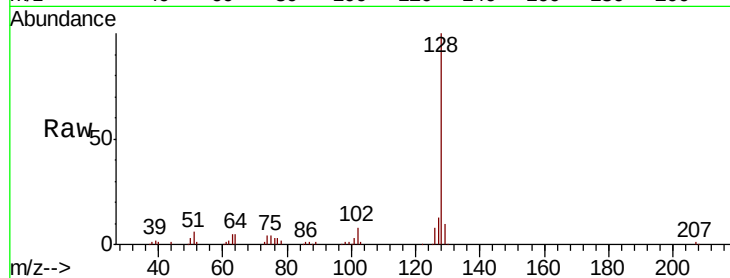
Tot Ion:128 Resp: 157494

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.7 8.8 13.2

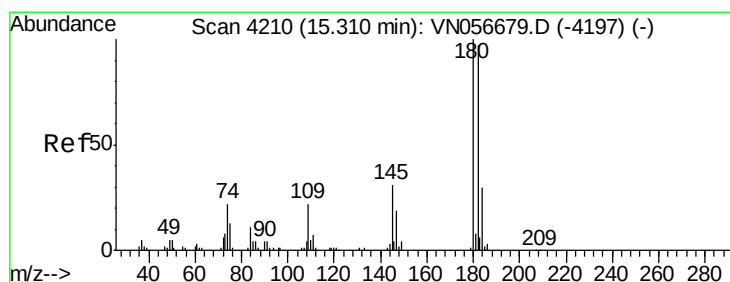
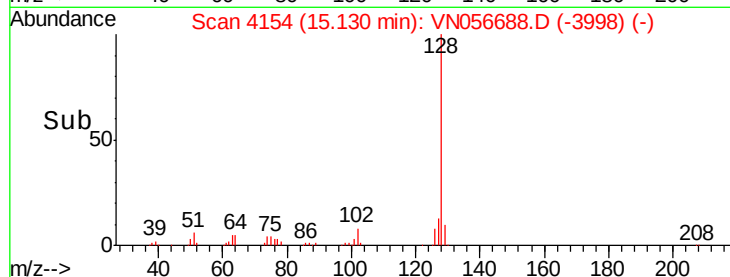
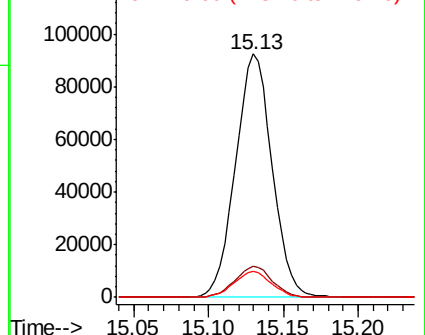


Abundance

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: 17.108 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056688.D

Acq: 12 Jul 2019 14:26

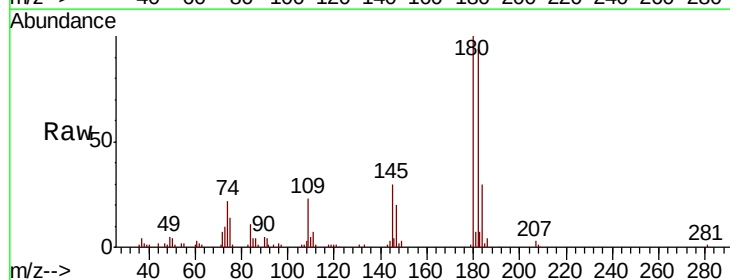
Tgt Ion:180 Resp: 66601

Ion Ratio Lower Upper

180 100

182 93.9 0.0 192.4

145 29.5 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

