

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056680.D
 Acq On : 12 Jul 2019 10:59
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Jul 12 23:44:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55665	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	303593	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	270359	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	111702	29.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.60%
60) 4-Bromofluorobenzene	12.40	95	123972	29.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.07%
63) Toluene-d8	10.09	98	369961	29.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	159293	55.038 ug/l	98
3) Chloromethane	2.06	50	208518	50.467 ug/l	100
4) Vinyl Chloride	2.18	62	200917	51.116 ug/l	98
5) Bromomethane	2.54	94	119840	56.184 ug/l	99
6) Chloroethane	2.69	64	114361	52.391 ug/l	99
7) Trichlorofluoromethane	3.01	101	259073	51.459 ug/l	98
8) Diethyl Ether	3.41	74	103692	49.198 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	158771	49.900 ug/l	99
10) 1,1-Dichloroethene	3.73	96	158730	51.194 ug/l	95
11) Methyl Iodide	3.95	142	219564	49.812 ug/l	98
12) Methyl Acetate	4.32	43	194180	46.726 ug/l	96
13) Acrolein	3.61	56	65317	172.381 ug/l	99
14) Acrylonitrile	4.99	53	467750	255.630 ug/l	99
15) Acetone	3.81	58	171858	307.165 ug/l	95
16) Carbon Disulfide	4.05	76	413221	54.083 ug/l	99
17) Allyl chloride	4.32	41	277501	51.036 ug/l	97
18) Methylene Chloride	4.55	84	183141	49.892 ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	170309	50.588 ug/l	99
20) Diisopropyl ether	5.95	45	554408	49.751 ug/l	97
21) 1,1-Dichloroethane	5.85	63	316028	50.174 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	196824	49.785 ug/l	99
23) tert-Butyl Alcohol	4.79	59	165152	240.707 ug/l	100
24) Methyl tert-Butyl Ether	5.04	73	503415	49.339 ug/l	100
25) Chloroform	7.37	83	305832	49.443 ug/l	100
26) Cyclohexane	7.65	56	293793	50.262 ug/l #	98
29) 1,1-Dichloropropene	7.79	75	234030	50.737 ug/l	99
30) 2-Butanone	6.83	43	708944	273.049 ug/l	100
31) 2,2-Dichloropropane	6.82	77	231878	52.260 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	254203	51.871 ug/l	99
33) Carbon Tetrachloride	7.77	117	219499	52.461 ug/l	99
34) Benzene	8.04	78	725662	50.528 ug/l	94
35) Methacrylonitrile	7.21	41	362943	169.718 ug/l #	49
36) 1,2-Dichloroethane	8.12	62	229545	49.282 ug/l	99
37) Trichloroethene	8.83	130	194745	51.469 ug/l	97
38) Methylcyclohexane	9.08	83	299305	51.662 ug/l	98
39) 1,2-Dichloropropane	9.12	63	195384	50.679 ug/l	99
40) Dibromomethane	9.21	93	123562	51.580 ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	232136	52.108	ug/l	97
42) Vinyl Acetate	5.90	43	2346568	259.169	ug/l	100
43) Ethyl Acetate	6.93	43	246173	50.159	ug/l	99
44) Isopropyl Acetate	8.17	43	387617	50.785	ug/l #	88
45) 1,4-Dioxane	9.20	88	80359	1059.995	ug/l	100
46) Methyl methacrylate	9.20	41	188840	50.273	ug/l	97
47) n-amyl Acetate	12.07	43	321906	50.905	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	251690	52.606	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	287967	52.356	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	181434	51.605	ug/l	99
51) Ethyl methacrylate	10.43	69	283431	51.535	ug/l	98
52) 1,3-Dichloropropane	10.71	76	302101	50.357	ug/l	99
53) Dibromochloromethane	10.90	129	187506	54.027	ug/l	99
54) 1,2-Dibromoethane	11.00	107	188184	51.286	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	685841	246.909	ug/l	100
56) Bromoform	12.12	173	136273	53.627	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	1255681	254.407	ug/l	100
59) 2-Hexanone	10.75	43	965766	260.131	ug/l	100
61) Tetrachloroethene	10.63	164	190191	53.879	ug/l	98
62) Toluene	10.16	91	782163	50.853	ug/l	98
64) Chlorobenzene	11.43	112	473813	51.067	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	175863	52.238	ug/l	99
66) Ethyl Benzene	11.51	91	845359	50.636	ug/l	100
67) m/p-Xylenes	11.62	106	639800	103.224	ug/l	100
68) o-Xylene	11.95	106	311230	51.177	ug/l	97
69) Styrene	11.96	104	518711	51.306	ug/l	100
70) Isopropylbenzene	12.25	105	809637	50.830	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	261409	49.913	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	322870	73.484	ug/l	66
73) Bromobenzene	12.53	156	214577	52.175	ug/l	99
74) n-propylbenzene	12.59	91	922247	50.783	ug/l	99
75) 2-Chlorotoluene	12.67	91	550729	50.862	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	696509	51.326	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	77056	53.925	ug/l	94
78) 4-Chlorotoluene	12.77	91	534603	50.874	ug/l	100
79) tert-butylbenzene	12.99	119	584460	50.581	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	692731	51.667	ug/l	99
81) sec-Butylbenzene	13.17	105	773090	50.391	ug/l	99
82) p-Isopropyltoluene	13.29	119	711988	51.379	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	359021	52.385	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	349023	52.911	ug/l	100
85) n-Butylbenzene	13.61	91	599750	51.714	ug/l	99
86) Hexachloroethane	13.87	117	110818	52.579	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	358817	51.956	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	46888	50.252	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	196595	51.634	ug/l	98
90) Hexachlorobutadiene	15.01	225	121207	50.415	ug/l	100
91) Naphthalene	15.13	128	529041	50.466	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	198100	49.700	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:38:18 2019
Response via : Initial Calibration

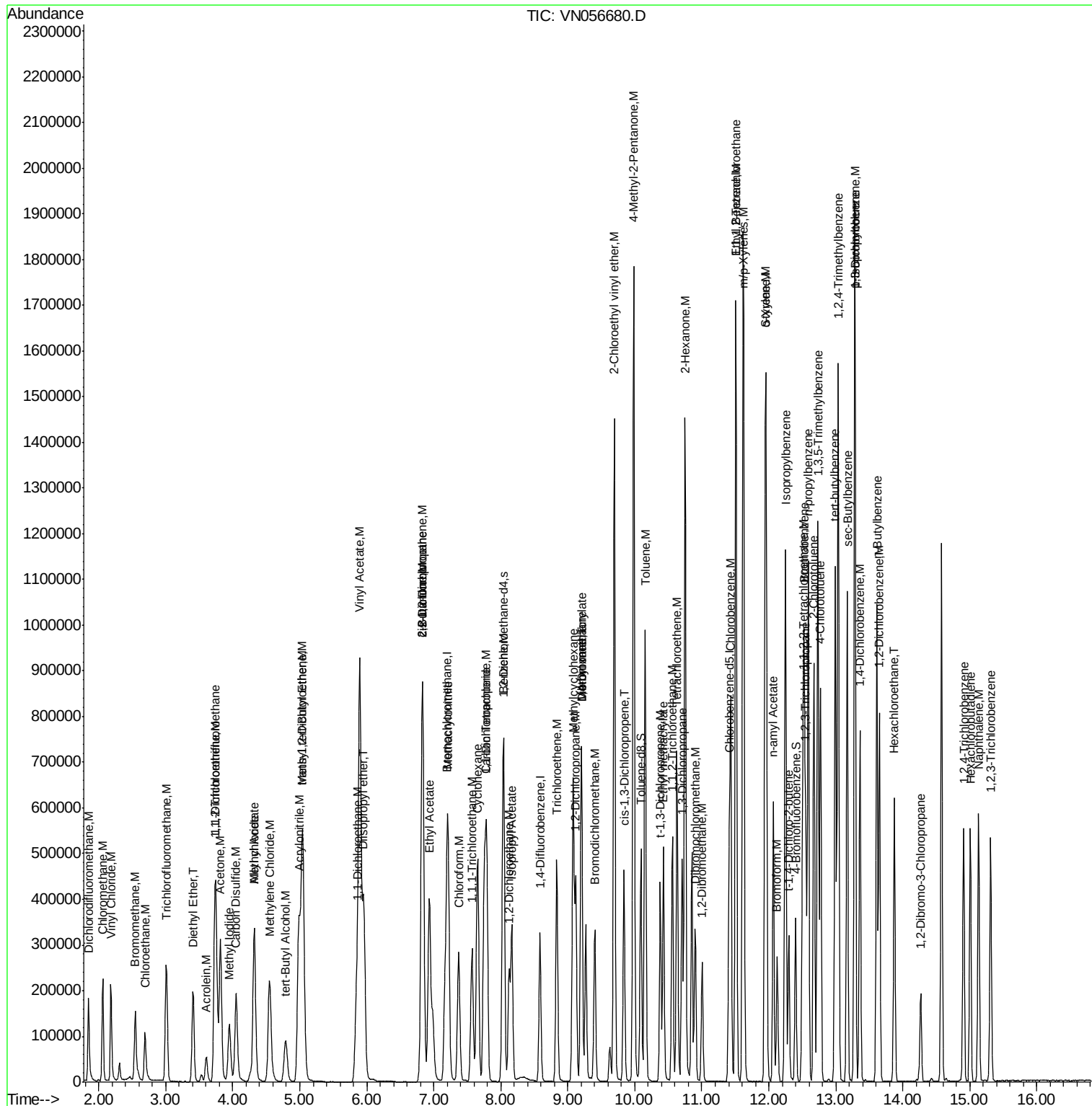
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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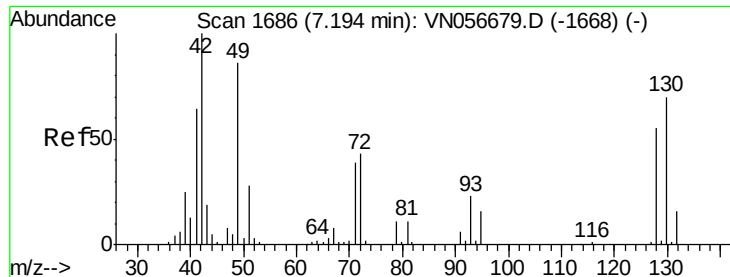
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071319\
Data File : VN056680.D
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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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ClientSampleId :
VSTDIC050

Quant Time: Jul 12 23:44:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:38:18 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

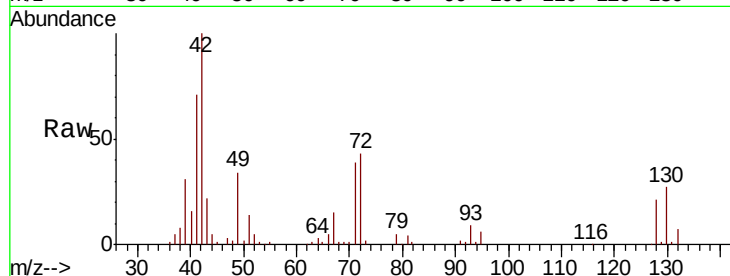
Tot Ion:128 Resp: 55665

Ion Ratio Lower Upper

128 100

49 159.7 0.0 390.5

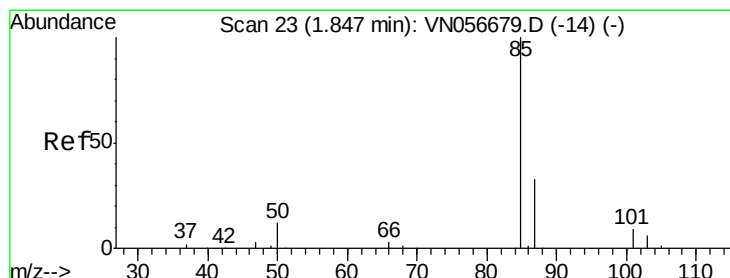
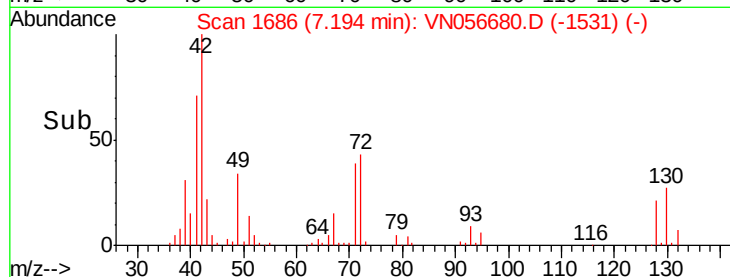
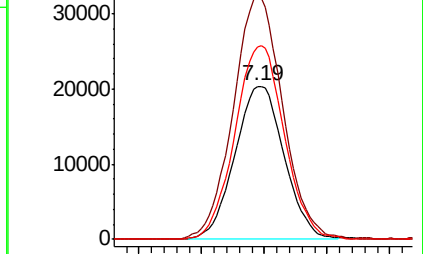
130 126.8 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): VN056679.D (-1668) (-)

Ion 49.00 (48.70 to 49.70): VN056679.D (-1668) (-)

Ion 130.00 (129.70 to 130.70): VN056679.D (-1668) (-)



#2

Dichlorodifluoromethane

Concen: 55.038 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056680.D

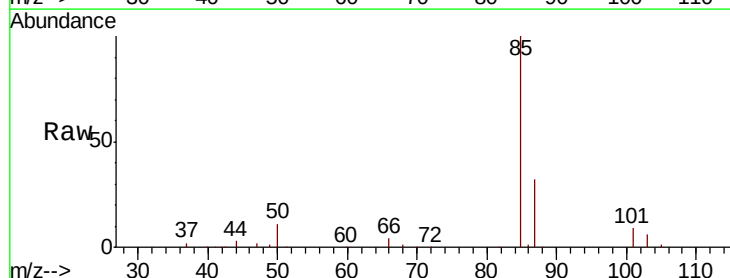
Acq: 12 Jul 2019 10:59

Tgt Ion: 85 Resp: 159293

Ion Ratio Lower Upper

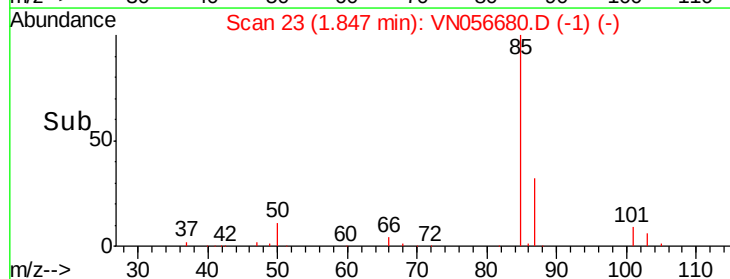
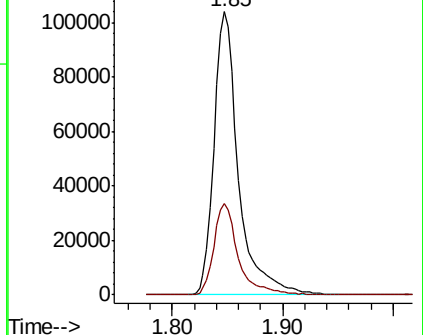
85 100

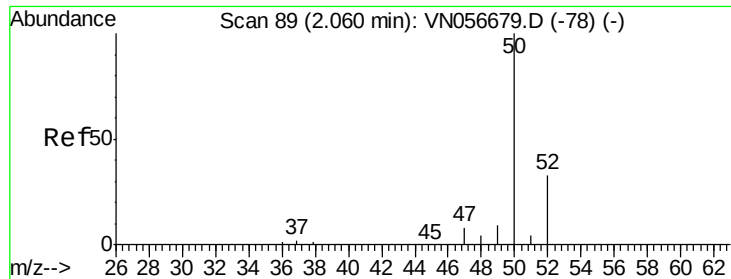
87 32.2 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VN056679.D (-14) (-)

Ion 87.00 (86.70 to 87.70): VN056679.D (-14) (-)

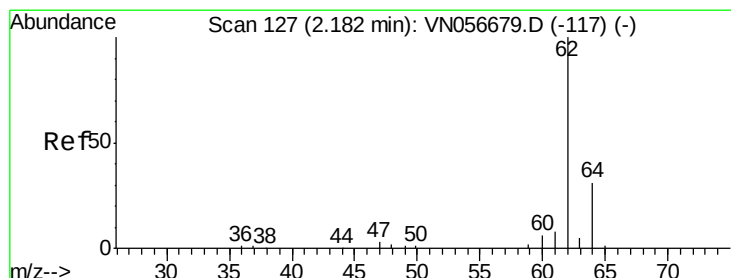
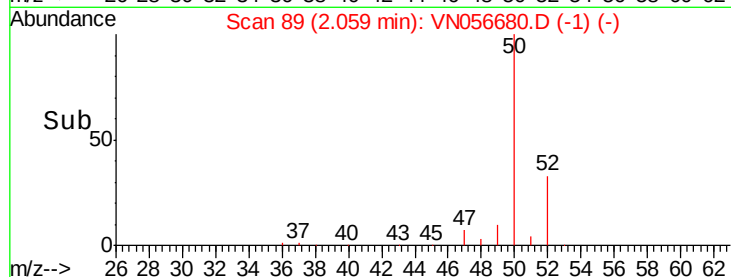
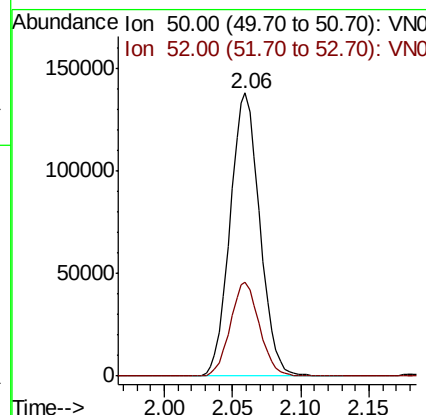
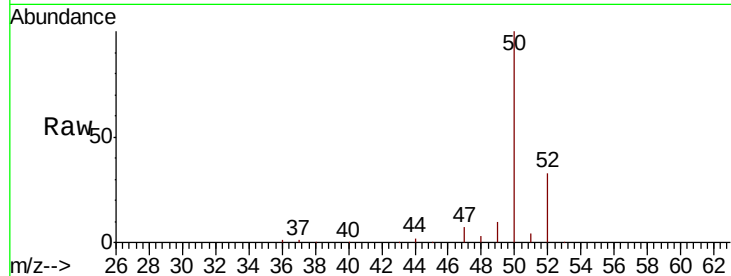




#3
 Chloromethane
 Concen: 50.467 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

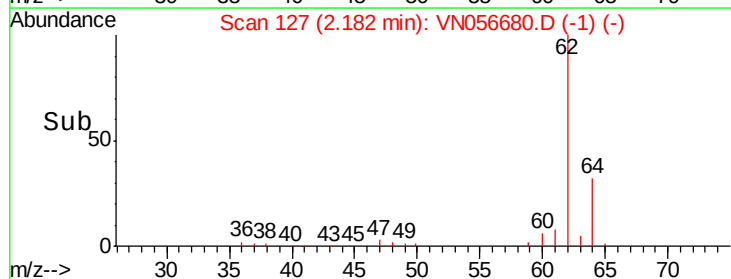
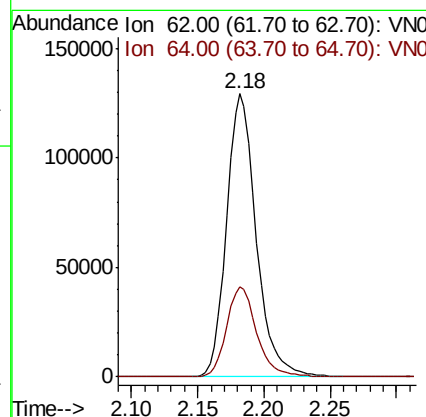
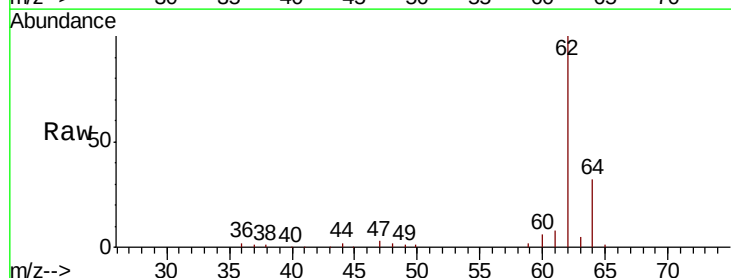
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

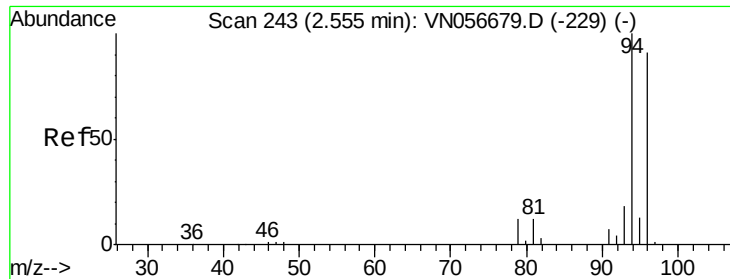
Tot Ion: 50 Resp: 208518
 Ion Ratio Lower Upper
 50 100
 52 33.3 26.5 39.7



#4
 Vinyl Chloride
 Concen: 51.116 ug/l
 RT: 2.18 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 62 Resp: 200917
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.0 37.4

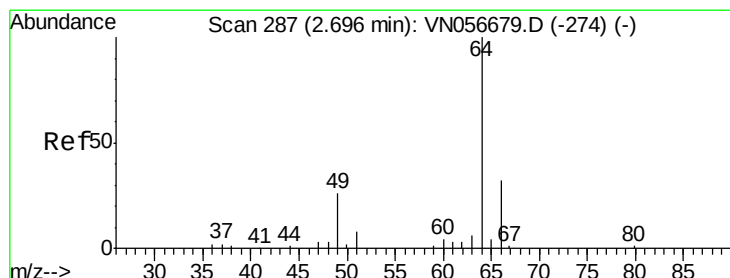
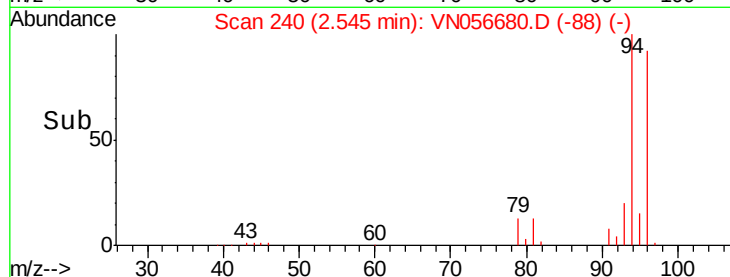
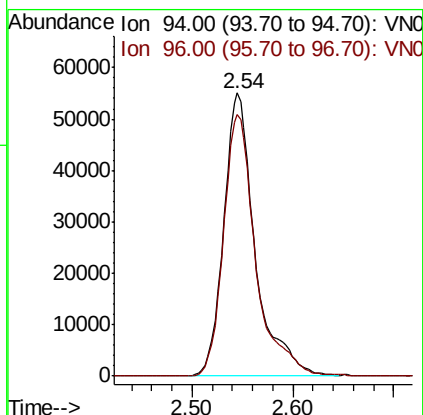
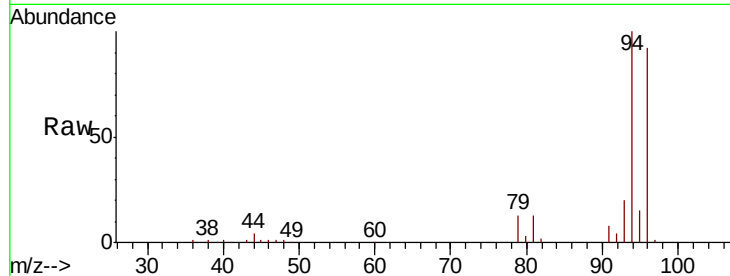




#5
Bromomethane
Concen: 56.184 ug/l
RT: 2.54 min Scan# 240
Delta R.T. -0.01 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

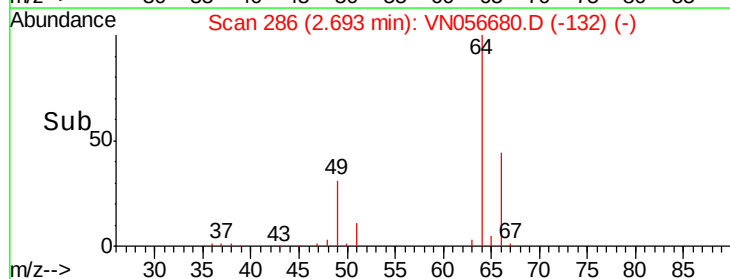
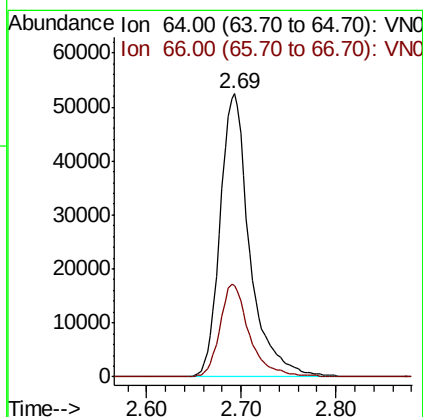
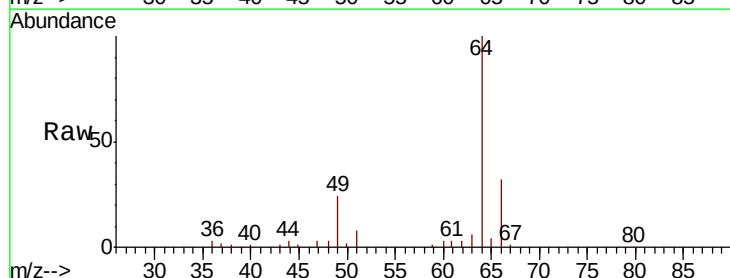
Instrument :
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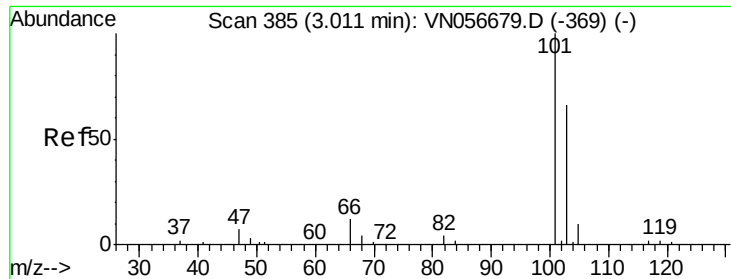
Tot Ion: 94 Resp: 119840
Ion Ratio Lower Upper
94 100
96 92.4 72.8 109.2



#6
Chloroethane
Concen: 52.391 ug/l
RT: 2.69 min Scan# 286
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion: 64 Resp: 114361
Ion Ratio Lower Upper
64 100
66 32.5 25.7 38.5



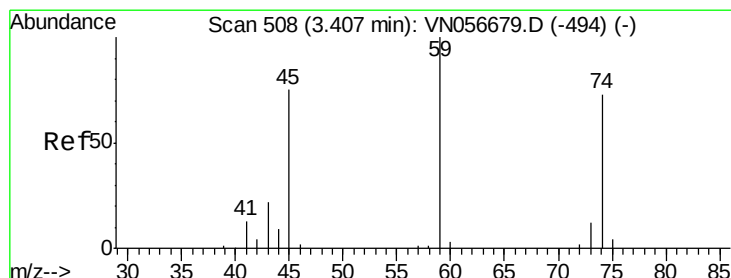
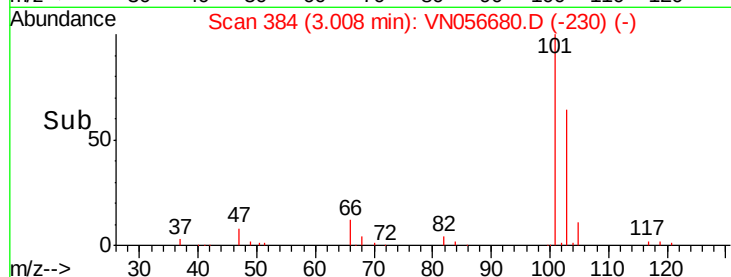
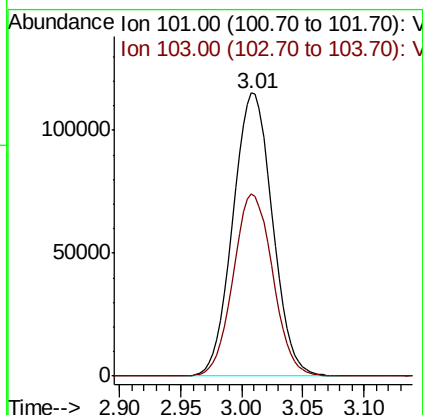
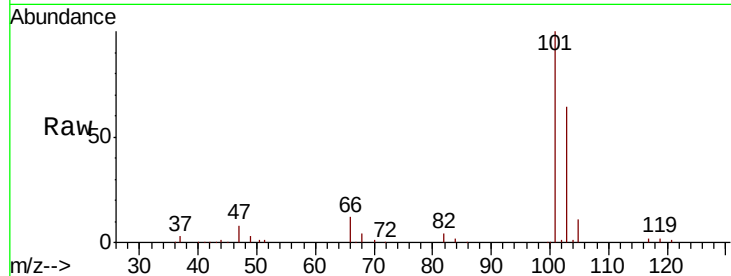


#7

Trichlorofluoromethane
 Concen: 51.459 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
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 ClientSampleId :
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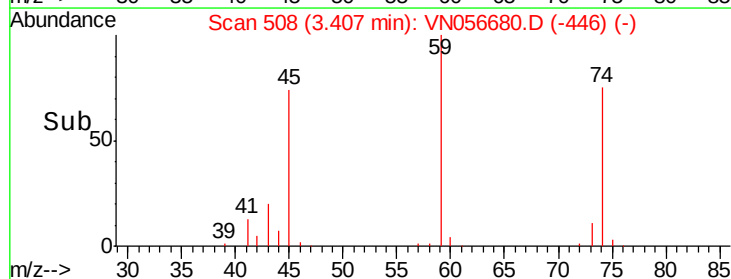
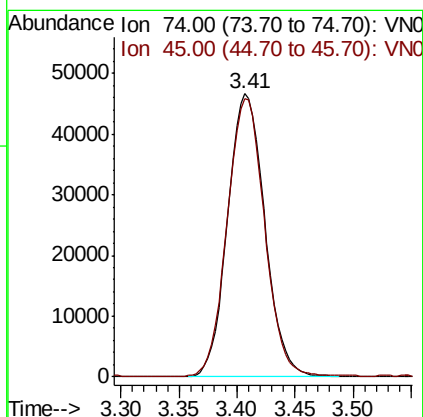
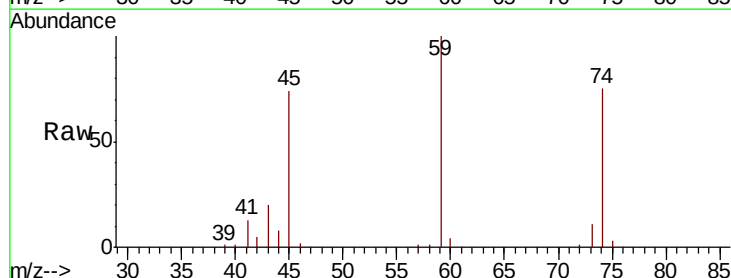
Tot Ion:101 Resp: 259073
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.8 79.2

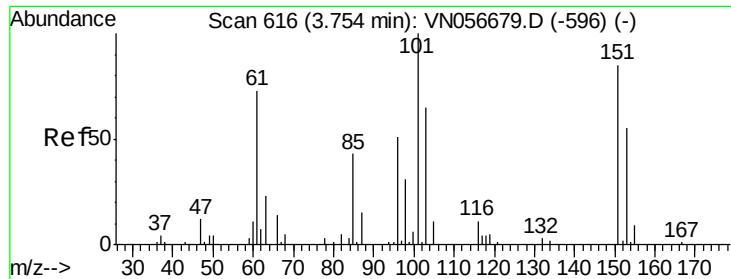


#8

Diethyl Ether
 Concen: 49.198 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 74 Resp: 103692
 Ion Ratio Lower Upper
 74 100
 45 99.0 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.900 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

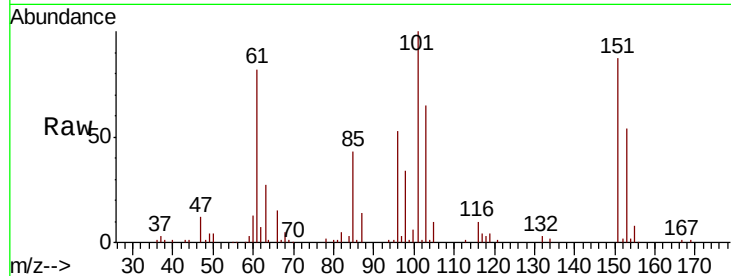
Tot Ion:101 Resp: 158771

Ion Ratio Lower Upper

101 100

85 41.8 0.0 84.2

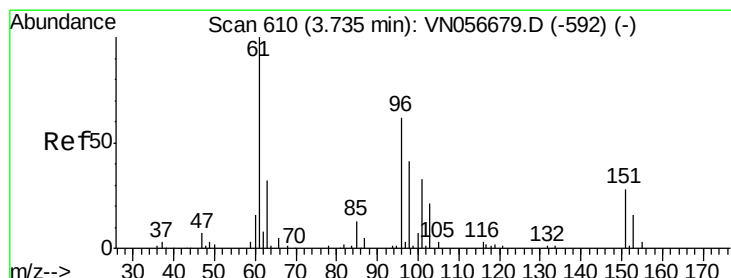
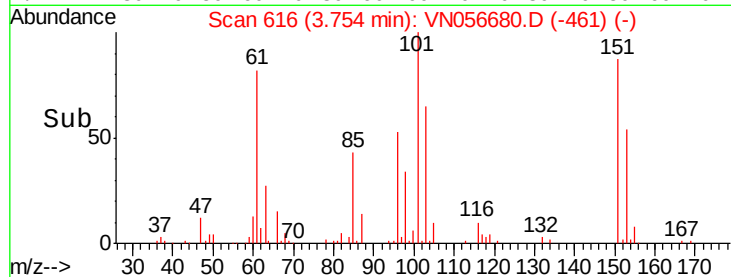
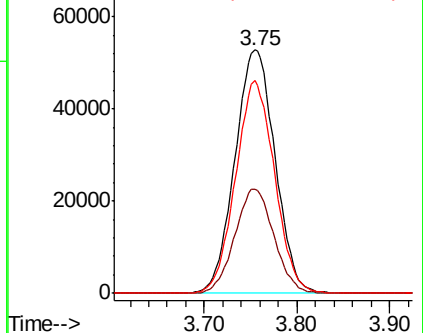
151 84.9 0.0 167.6



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: 51.194 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

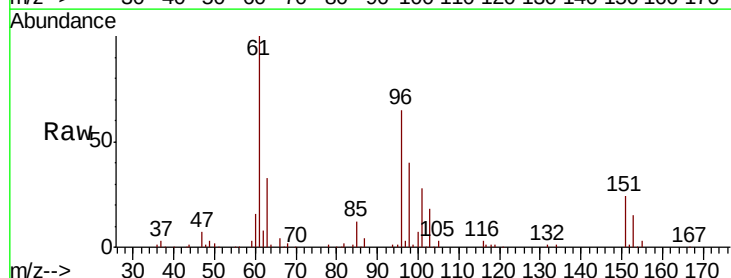
Tgt Ion: 96 Resp: 158730

Ion Ratio Lower Upper

96 100

61 154.3 129.0 193.4

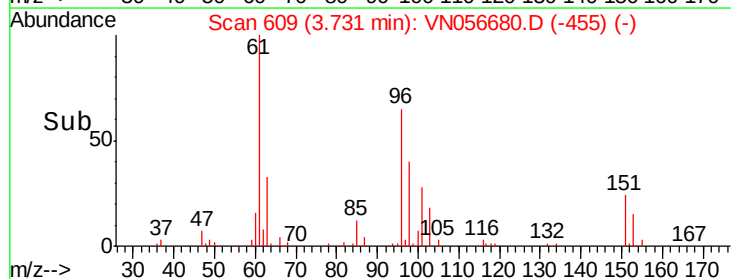
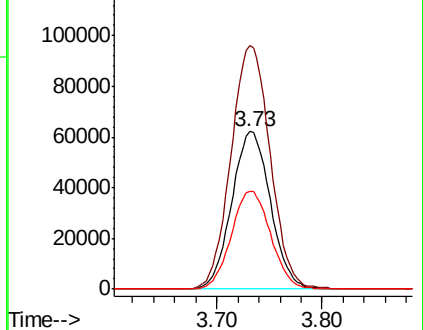
98 62.3 52.5 78.7

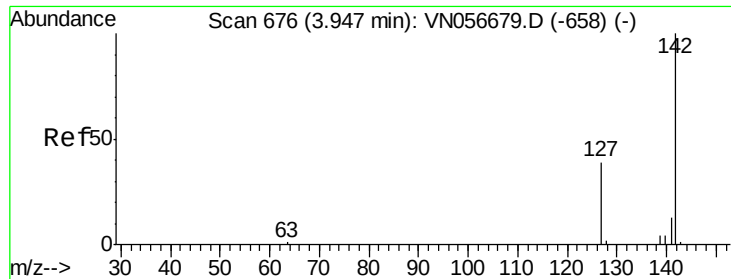


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

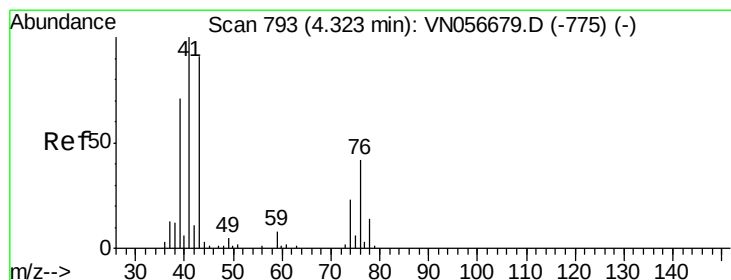
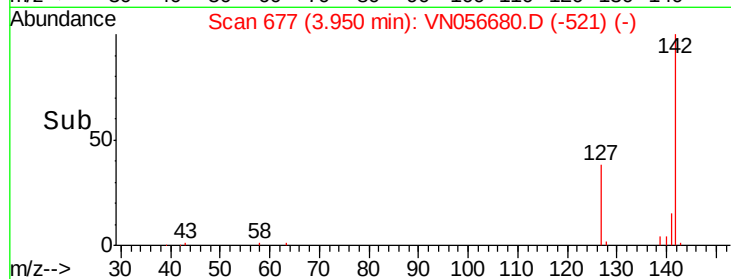
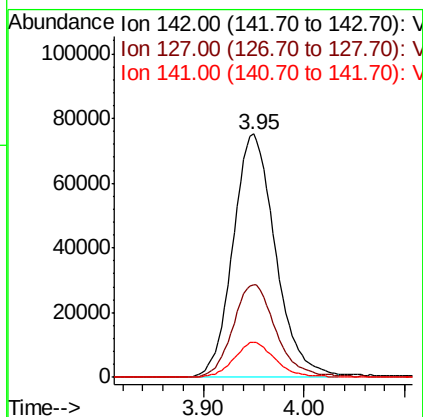
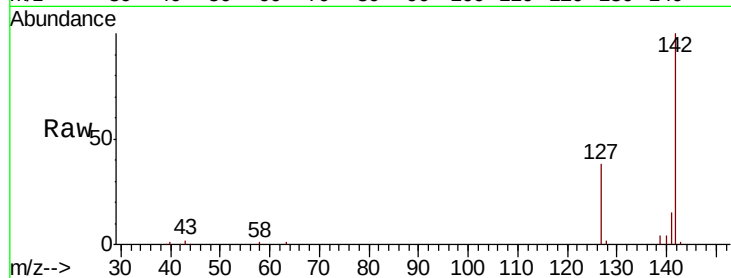




#11
Methvl Iodide
Concen: 49.812 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

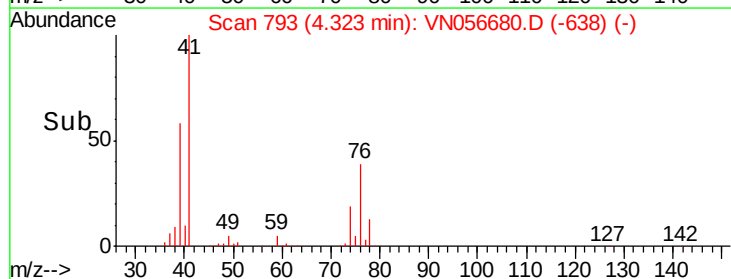
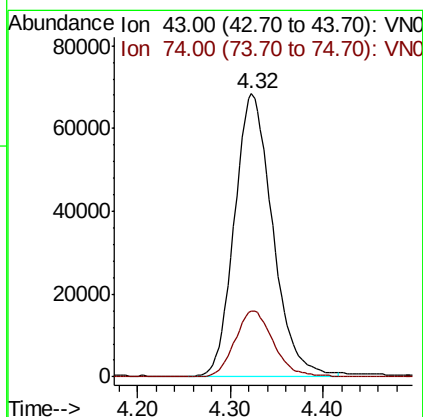
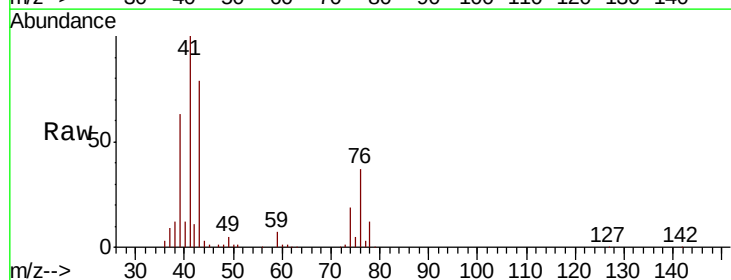
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

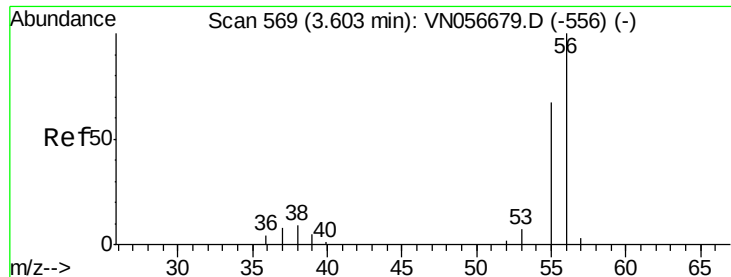
Tot Ion:142 Resp: 219564
Ion Ratio Lower Upper
142 100
127 38.2 19.5 58.5
141 14.6 6.8 20.3



#12
Methyl Acetate
Concen: 46.726 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion: 43 Resp: 194180
Ion Ratio Lower Upper
43 100
74 23.4 20.2 30.4





#13

Acrolein

Concen: 172.381 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

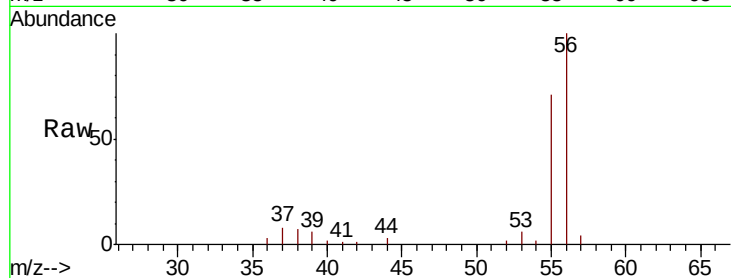
VSTDIC050

Tot Ion: 56 Resp: 65317

Ion Ratio Lower Upper

56 100

55 69.9 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN056680.D (-414) (-)

Ion 55.00 (54.70 to 55.70): VN056680.D (-414) (-)

30000

25000

20000

15000

10000

5000

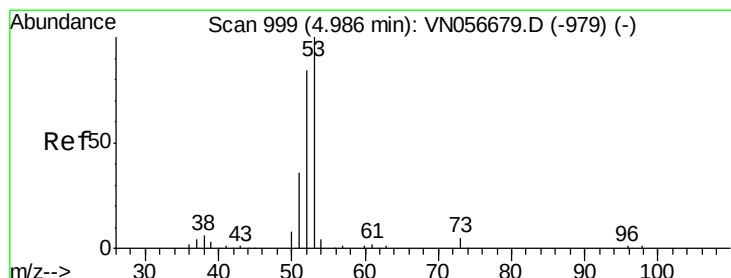
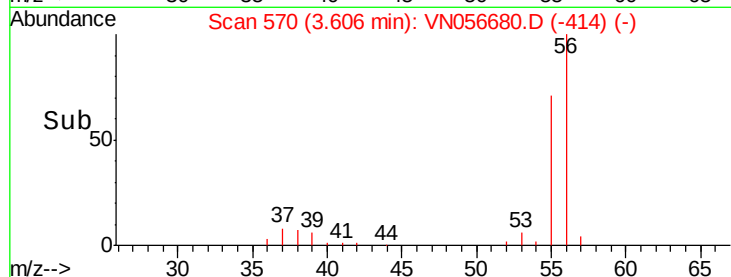
0

Time-->

3.50

3.60

3.70



#14

Acrylonitrile

Concen: 255.630 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

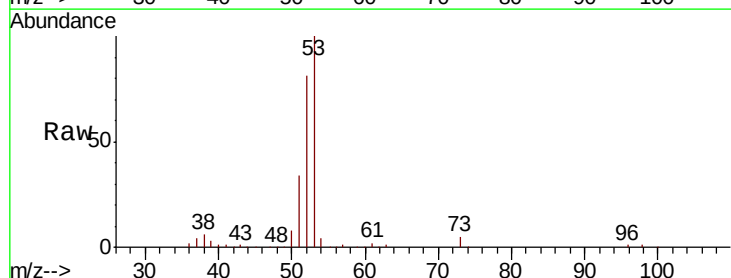
Tgt Ion: 53 Resp: 467750

Ion Ratio Lower Upper

53 100

52 81.8 41.3 123.7

51 34.9 17.7 53.1



Abundance Ion 53.00 (52.70 to 53.70): VN056680.D (-844) (-)

Ion 52.00 (51.70 to 52.70): VN056680.D (-844) (-)

Ion 51.00 (50.70 to 51.70): VN056680.D (-844) (-)

150000

100000

50000

0

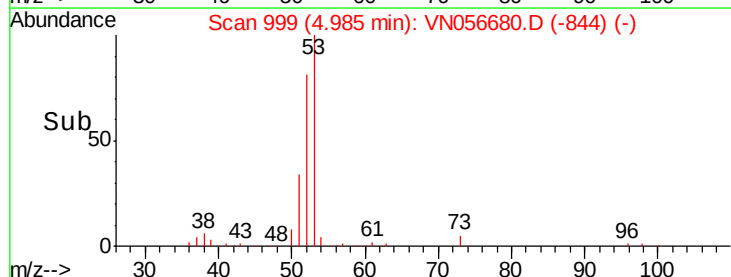
Time-->

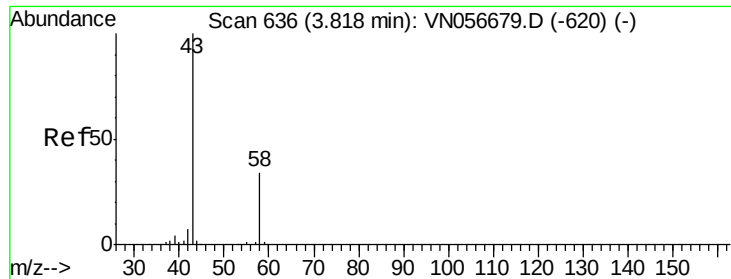
4.90

5.00

5.10

5.20





#15

Acetone

Concen: 307.165 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

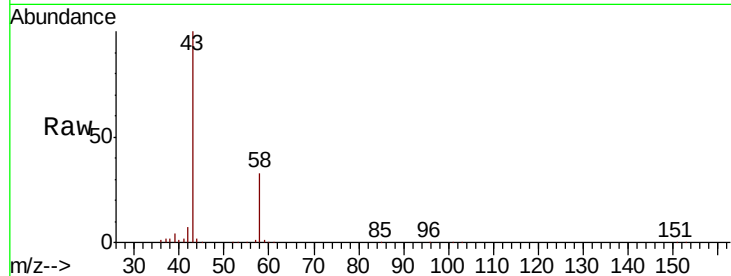
VSTDIC050

Tot Ion: 58 Resp: 171858

Ion Ratio Lower Upper

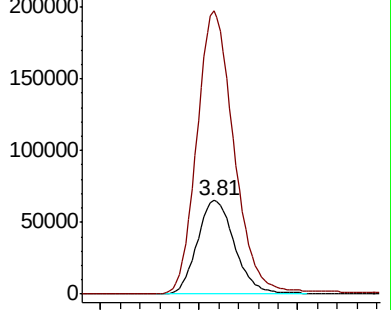
58 100

43 301.9 233.9 350.9

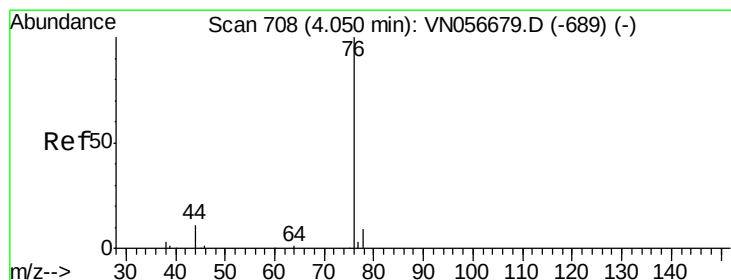
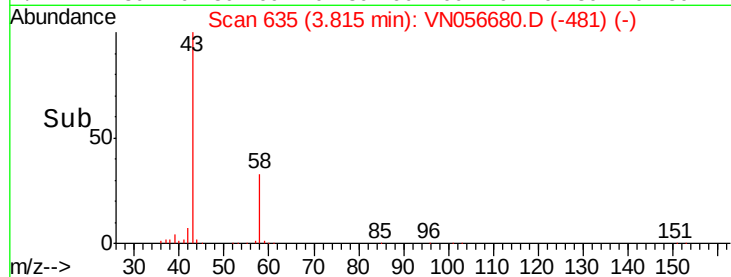


Abundance Ion 58.00 (57.70 to 58.70): VN056679.D (-620) (-)

Ion 43.00 (42.70 to 43.70): VN056679.D (-620) (-)



Time-->



#16

Carbon Disulfide

Concen: 54.083 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056680.D

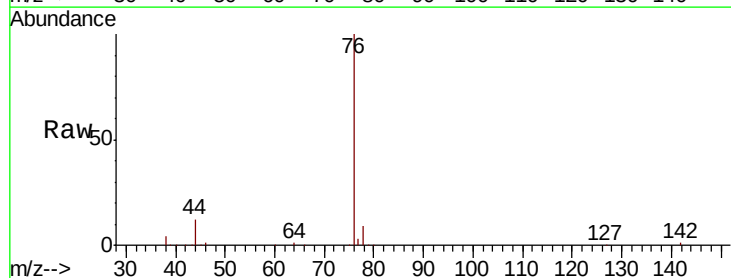
Acq: 12 Jul 2019 10:59

Tgt Ion: 76 Resp: 413221

Ion Ratio Lower Upper

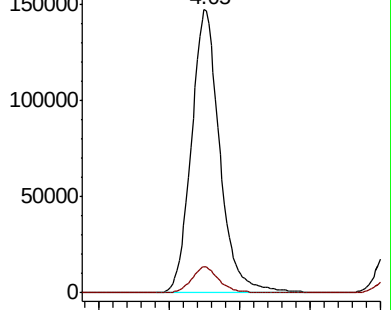
76 100

78 9.4 7.4 11.0

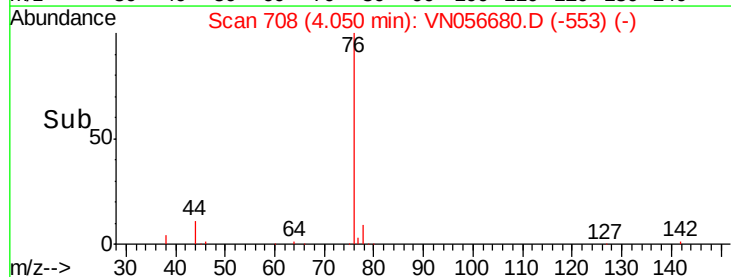


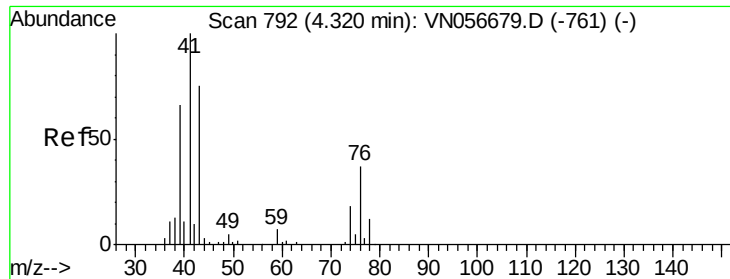
Abundance Ion 76.00 (75.70 to 76.70): VN056679.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN056679.D (-689) (-)



Time-->





#17

Allvl chloride

Concen: 51.036 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

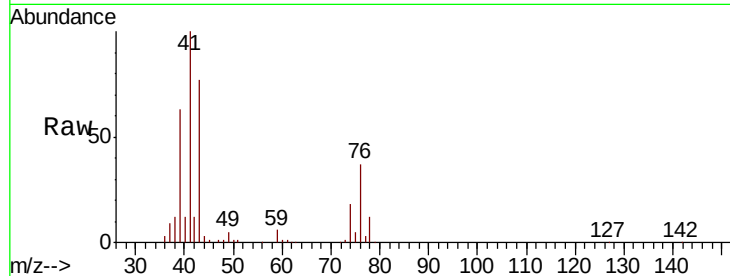
Tot Ion: 41 Resp: 277501

Ion Ratio Lower Upper

41 100

39 62.9 32.8 98.4

76 36.5 18.5 55.5

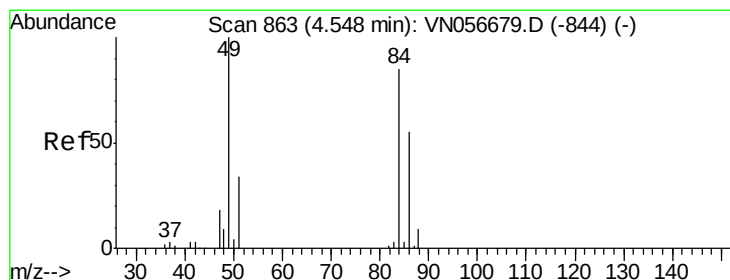
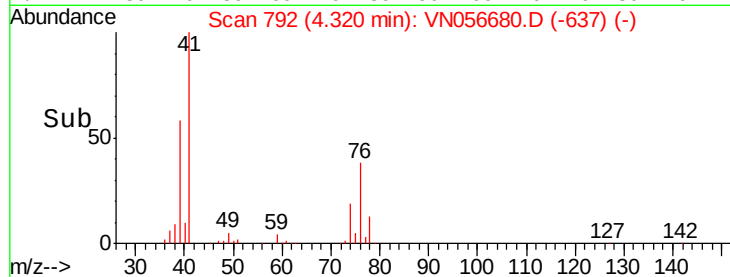
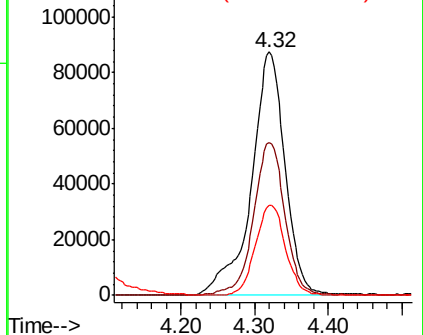


Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 49.892 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Tgt Ion: 84 Resp: 183141

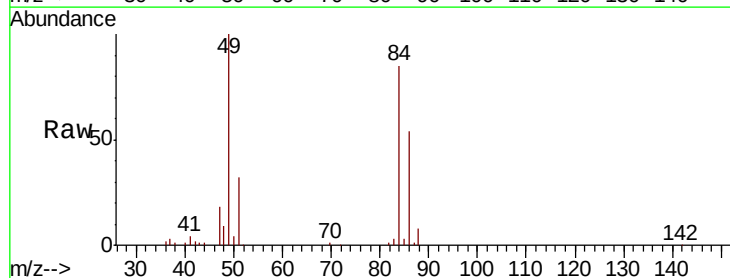
Ion Ratio Lower Upper

84 100

49 117.4 93.9 140.9

51 37.4 31.7 47.5

86 63.2 51.4 77.2



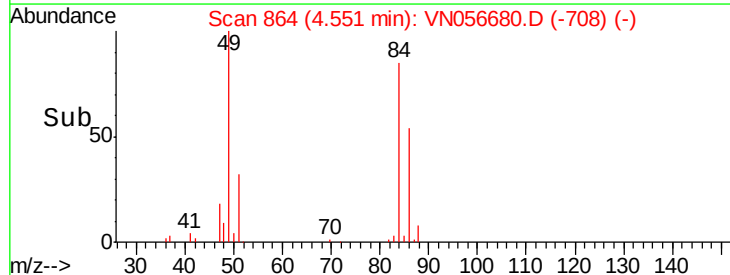
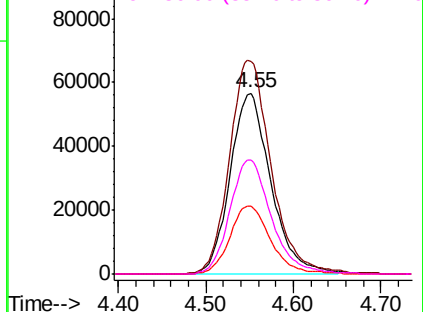
Abundance

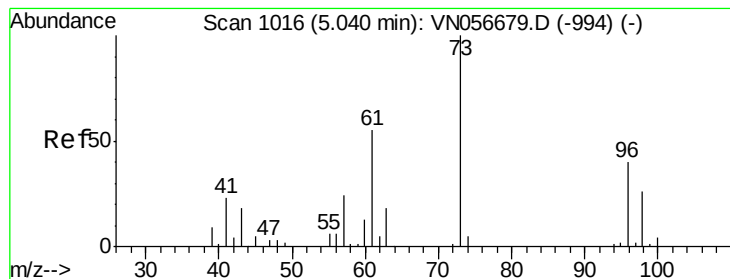
Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO





#19

trans-1,2-Dichloroethene

Concen: 50.588 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

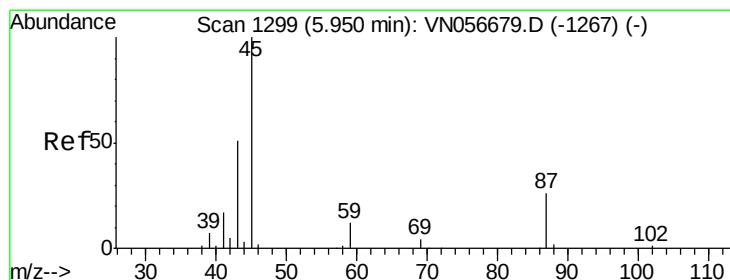
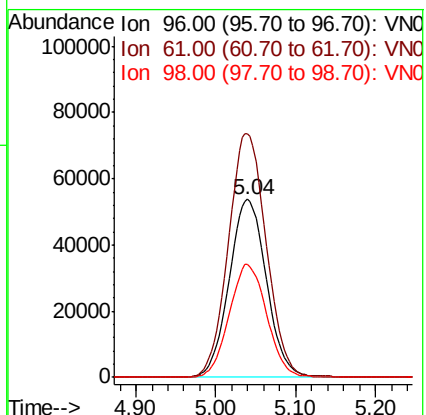
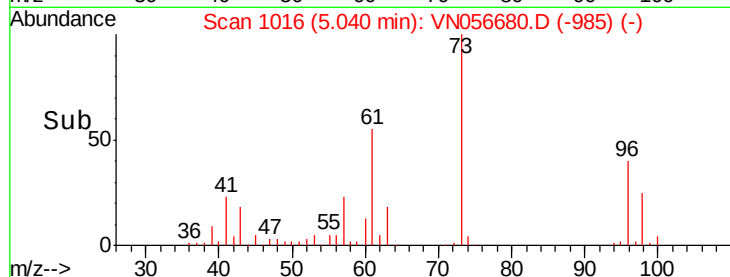
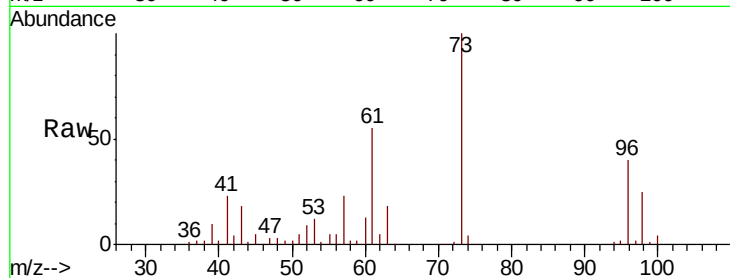
Tot Ion: 96 Resp: 170309

Ion Ratio Lower Upper

96 100

61 136.2 109.6 164.4

98 63.4 51.4 77.2



#20

Diisopropyl ether

Concen: 49.751 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Tgt Ion: 45 Resp: 554408

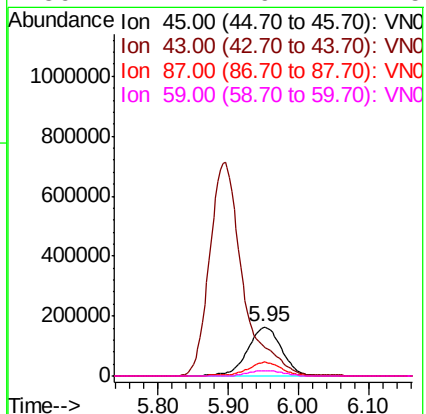
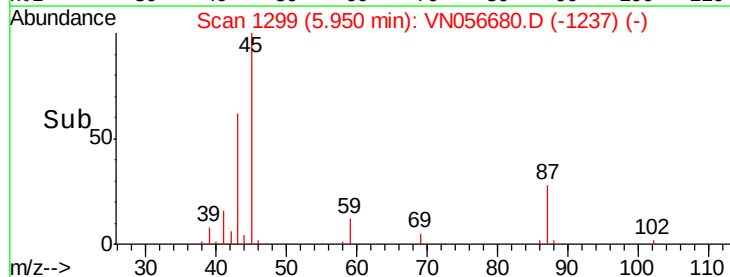
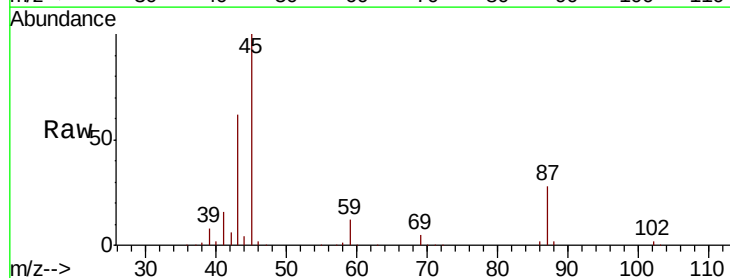
Ion Ratio Lower Upper

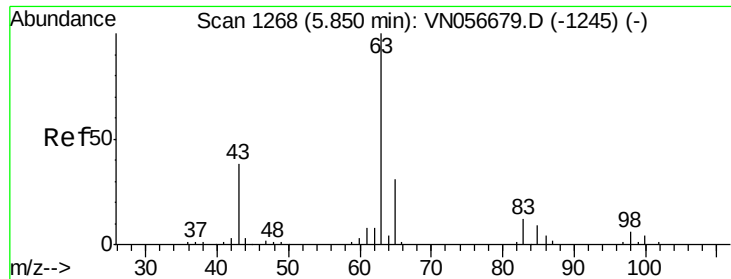
45 100

43 60.0 50.3 75.5

87 27.7 21.4 32.0

59 11.4 9.7 14.5

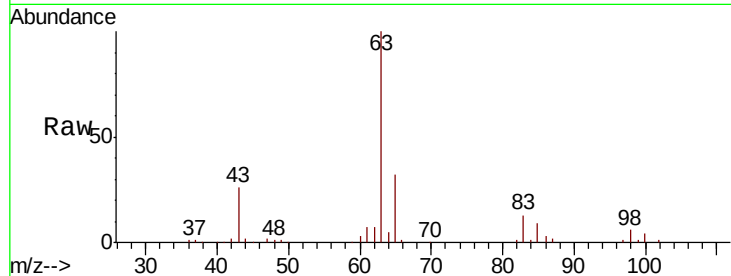




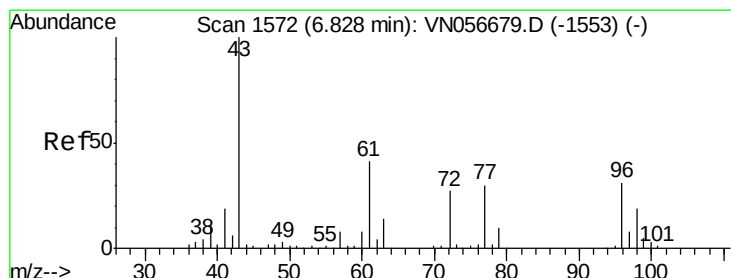
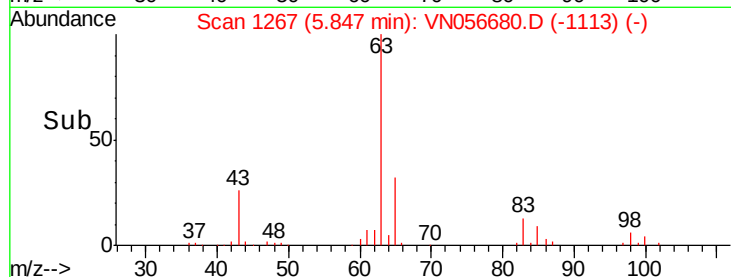
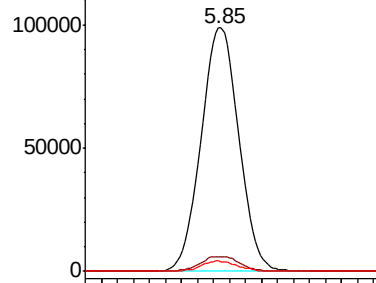
#21
 1,1-Dichloroethane
 Concen: 50.174 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion: 63 Resp: 316028
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.3 9.8
 100 4.1 2.1 6.3

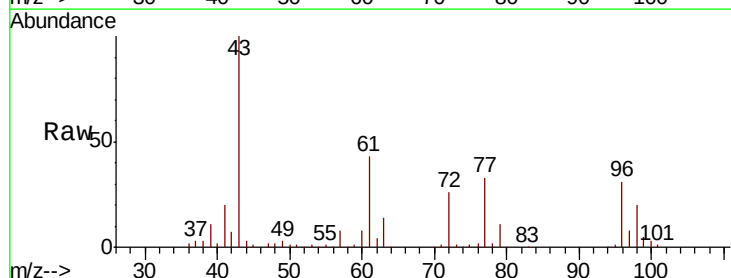


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

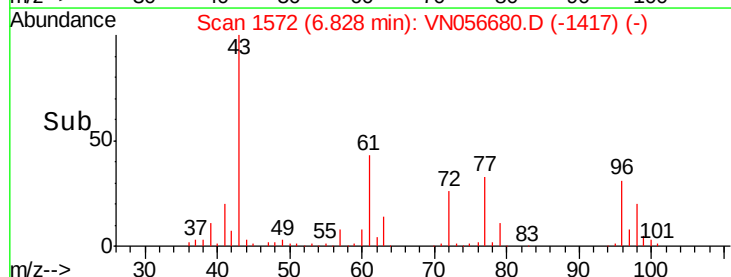
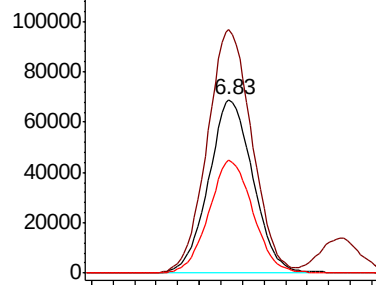


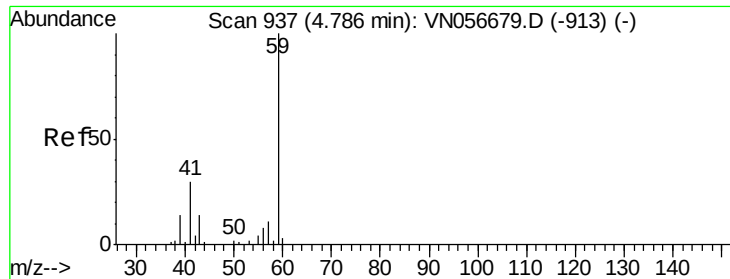
#22
 cis-1,2-Dichloroethene
 Concen: 49.785 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 96 Resp: 196824
 Ion Ratio Lower Upper
 96 100
 61 141.8 112.1 168.1
 98 64.7 52.2 78.2



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



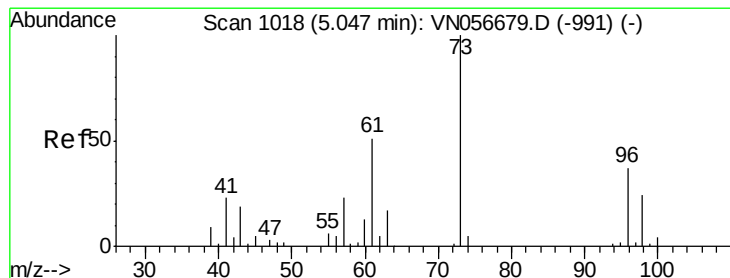
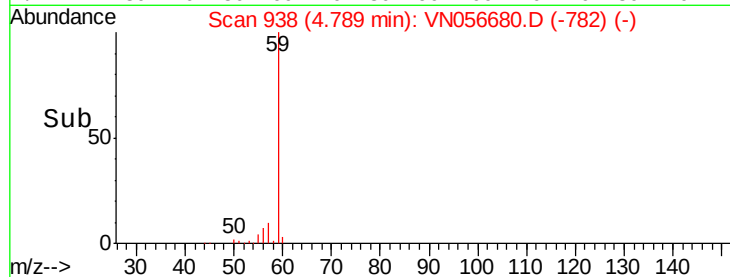
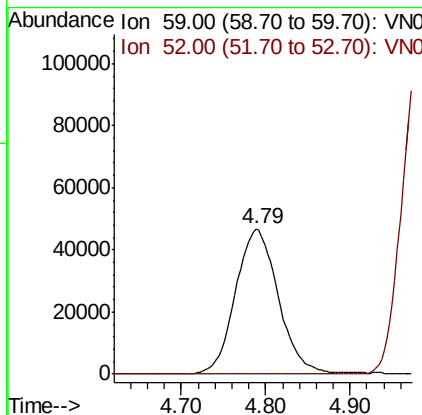
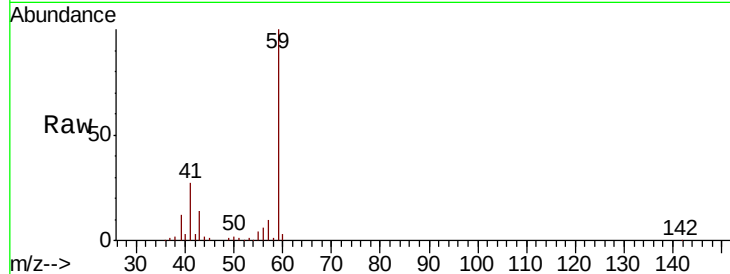


#23

tert-Butyl Alcohol
 Concen: 240.707 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

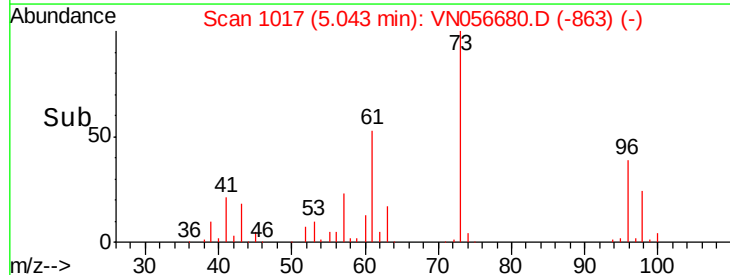
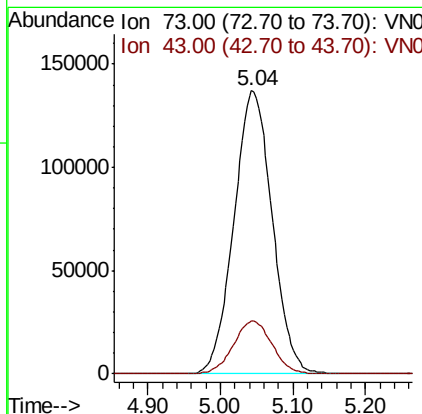
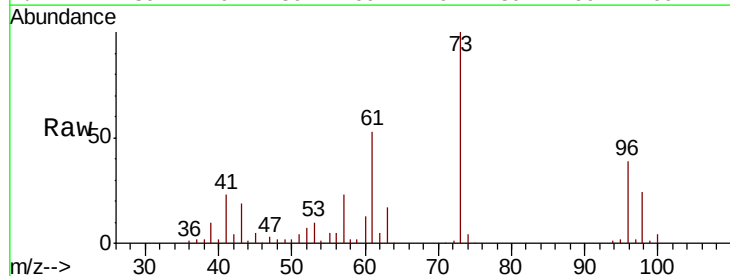
Tot Ion: 59 Resp: 165152
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1

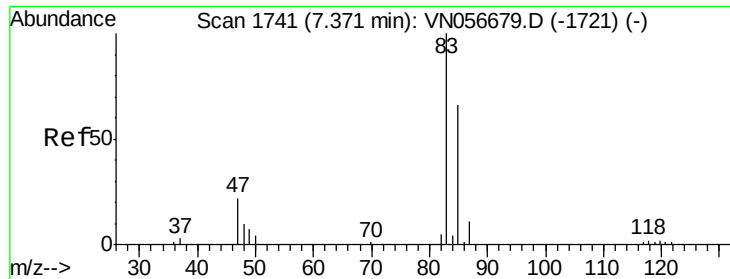


#24

Methyl tert-Butyl Ether
 Concen: 49.339 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 73 Resp: 503415
 Ion Ratio Lower Upper
 73 100
 43 18.7 15.1 22.7

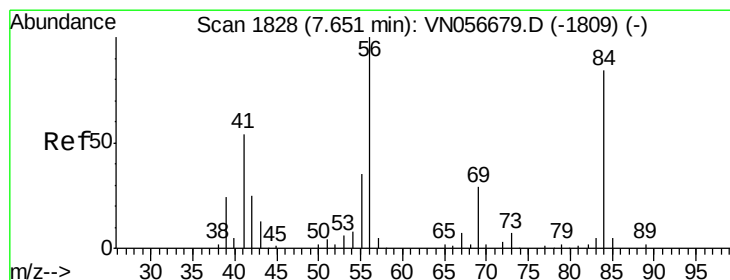
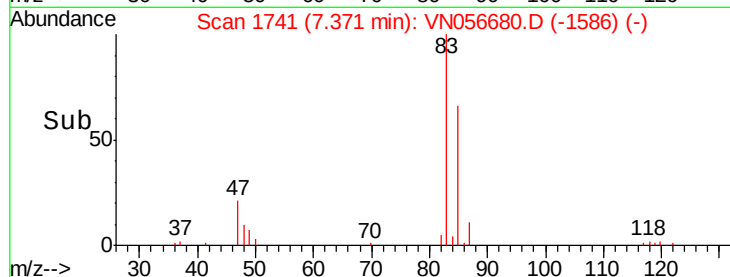
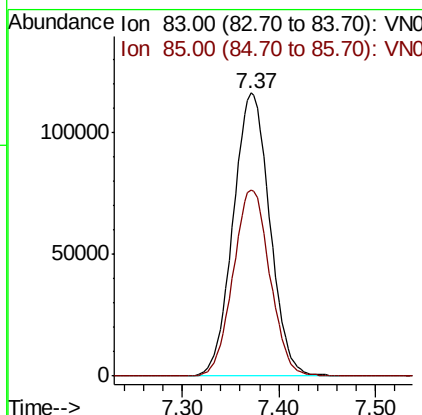
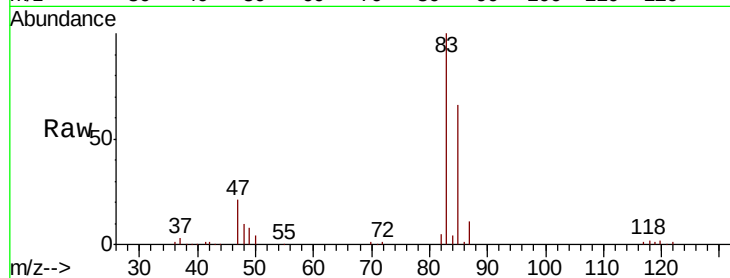




#25
Chloroform
Concen: 49.443 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

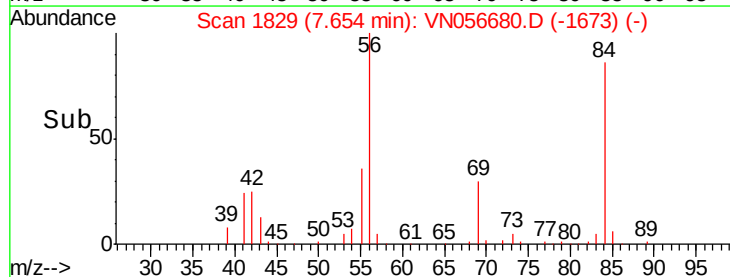
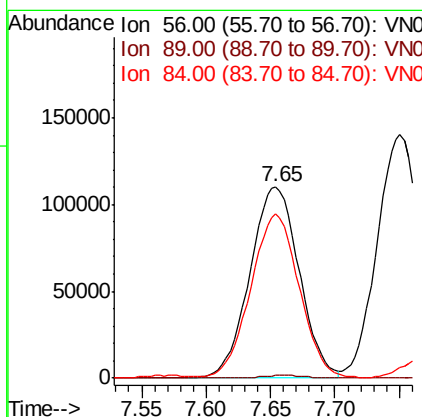
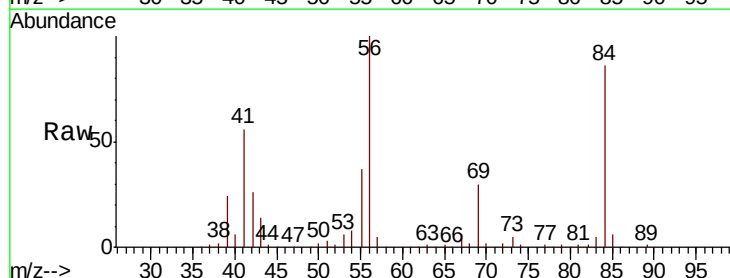
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

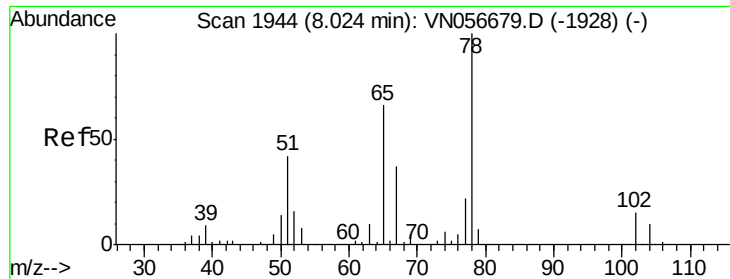
Tot Ion: 83 Resp: 305832
Ion Ratio Lower Upper
83 100
85 65.8 52.6 79.0



#26
Cyclohexane
Concen: 50.262 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion: 56 Resp: 293793
Ion Ratio Lower Upper
56 100
89 1.2 1.4 2.2#
84 83.4 68.2 102.4

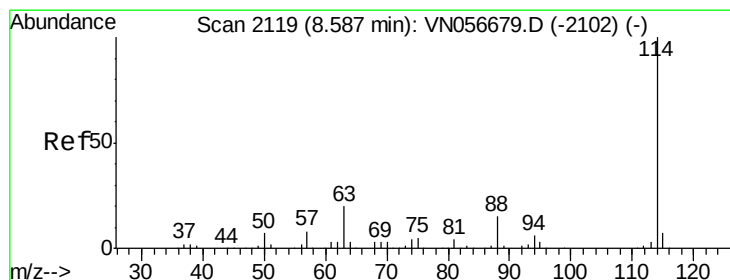
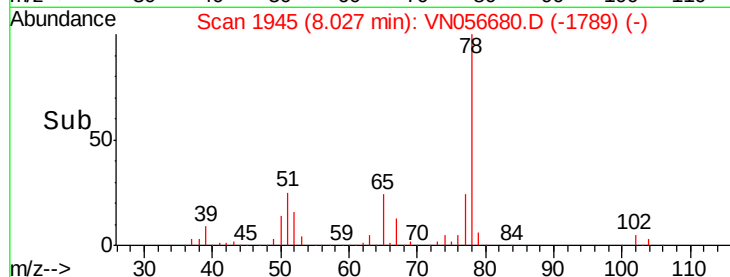
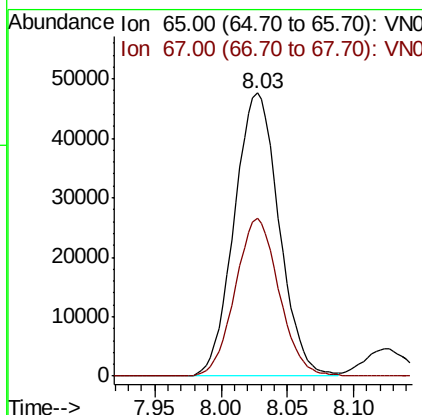
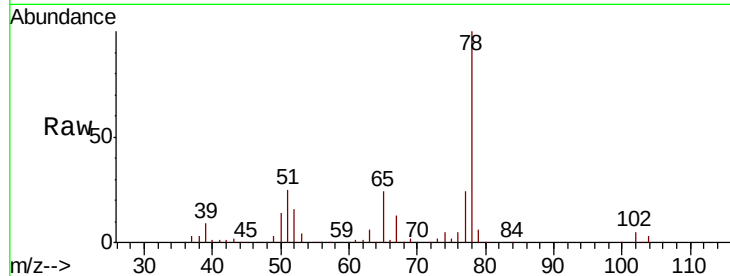




#27
 1,2-Dichloroethane-d4
 Concen: 29.284 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

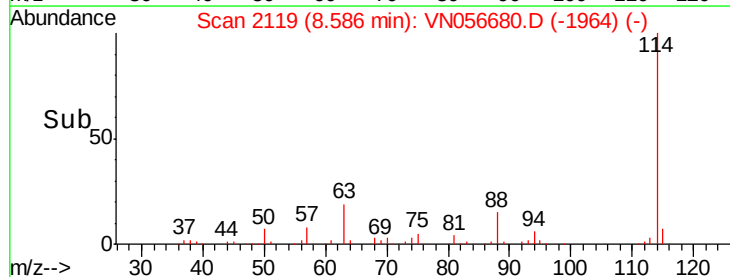
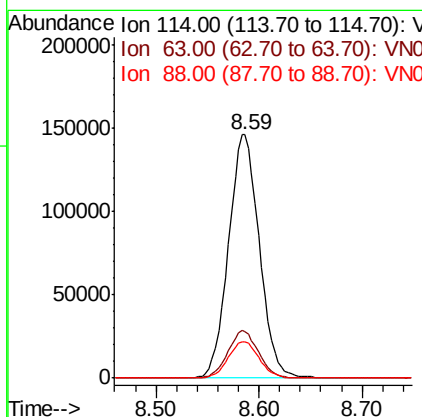
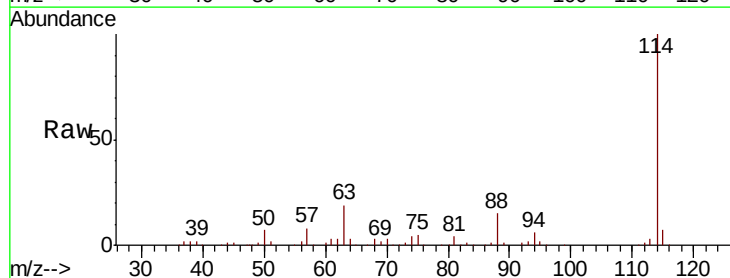
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

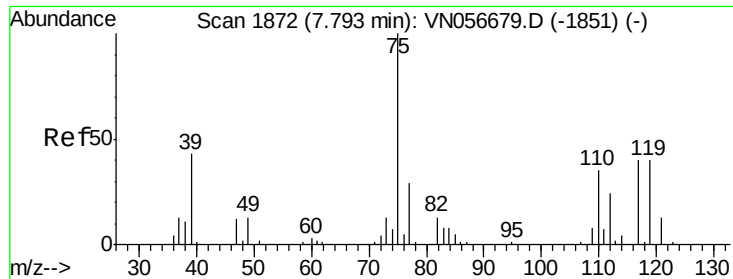
Tot Ion: 65 Resp: 111702
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 114 Resp: 303593
 Ion Ratio Lower Upper
 114 100
 63 19.3 16.2 24.2
 88 15.1 12.3 18.5

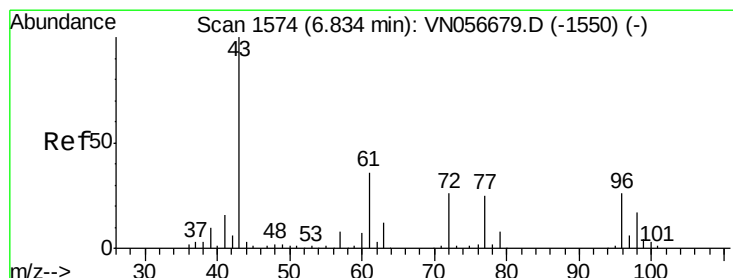
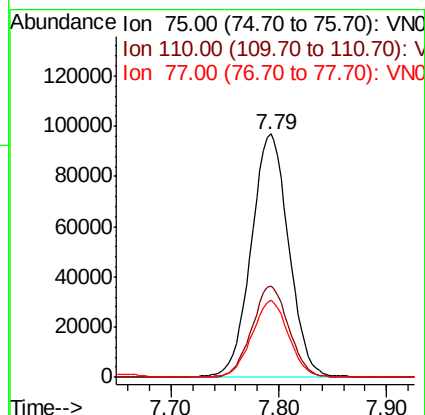
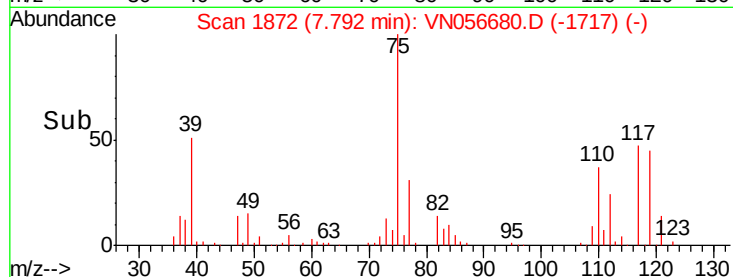
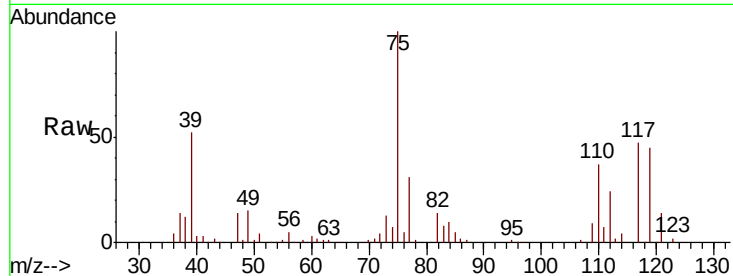




#29
 1,1-Dichloropropene
 Concen: 50.737 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

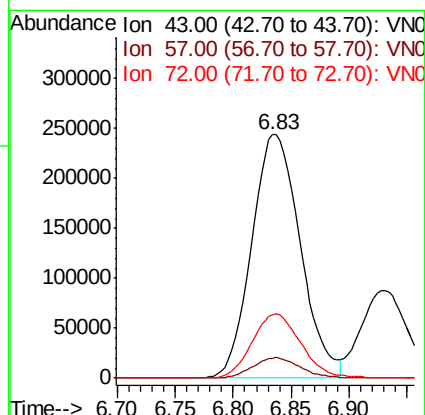
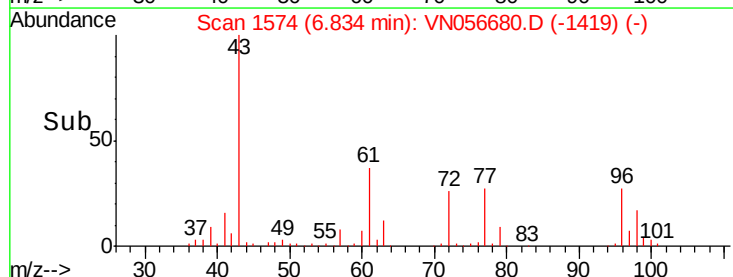
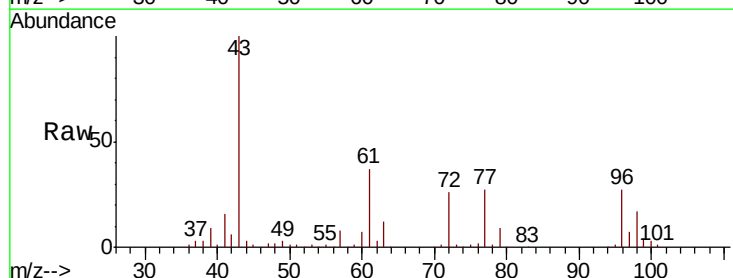
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

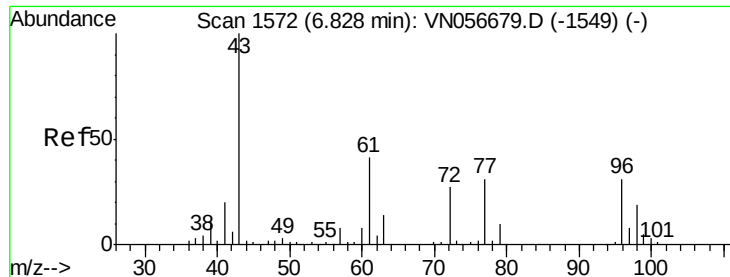
Tot Ion: 75 Resp: 234030
 Ion Ratio Lower Upper
 75 100
 110 36.8 0.0 72.4
 77 31.2 0.0 62.2



#30
 2-Butanone
 Concen: 273.049 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 43 Resp: 708944
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.6 10.0
 72 26.5 21.3 31.9

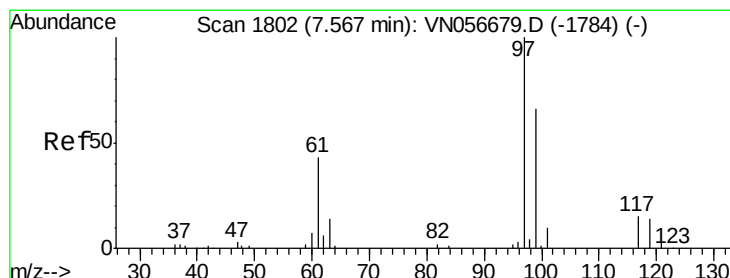
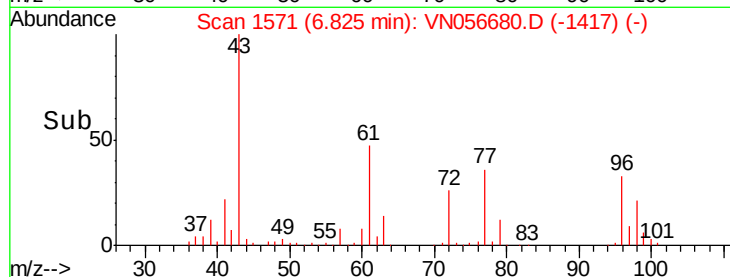
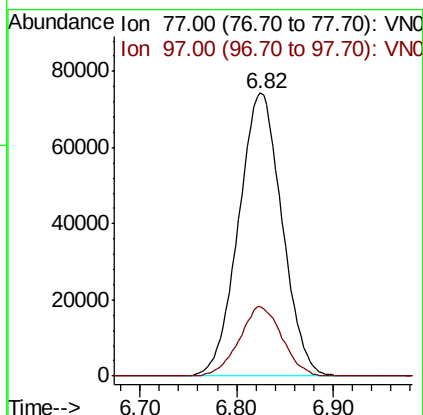
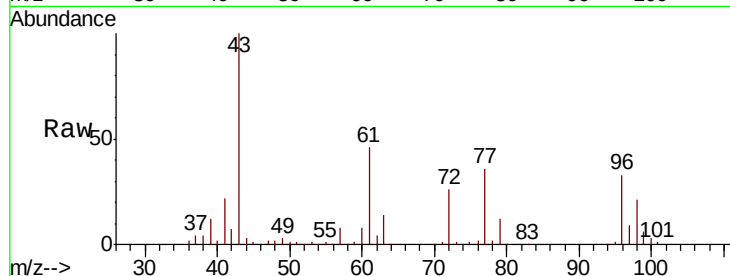




#31
 2,2-Dichloropropane
 Concen: 52.260 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

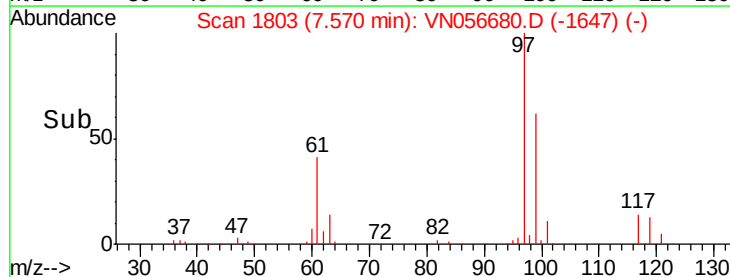
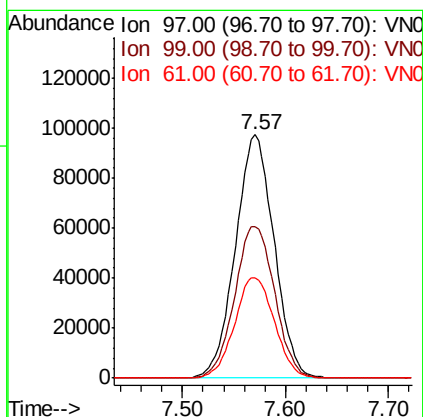
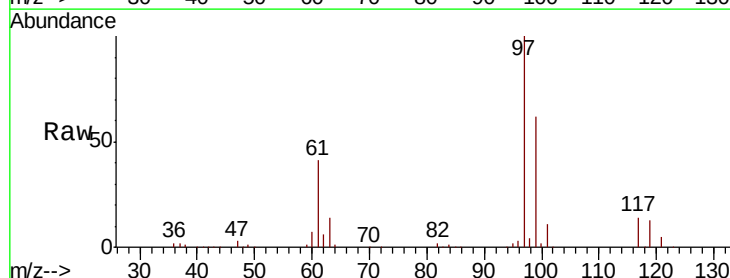
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

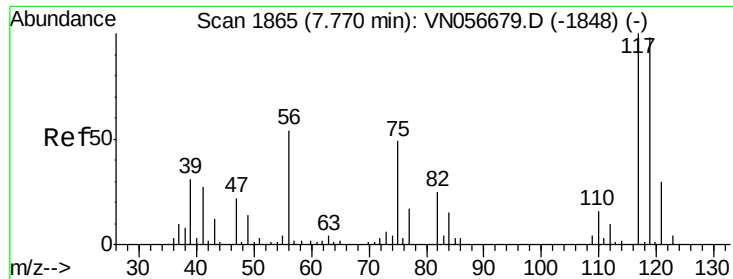
Tot Ion: 77 Resp: 231878
 Ion Ratio Lower Upper
 77 100
 97 24.2 19.7 29.5



#32
 1,1,1-Trichloroethane
 Concen: 51.871 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 97 Resp: 254203
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.0 78.0
 61 42.5 34.4 51.6

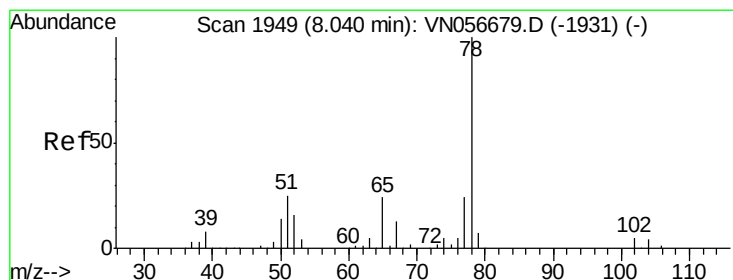
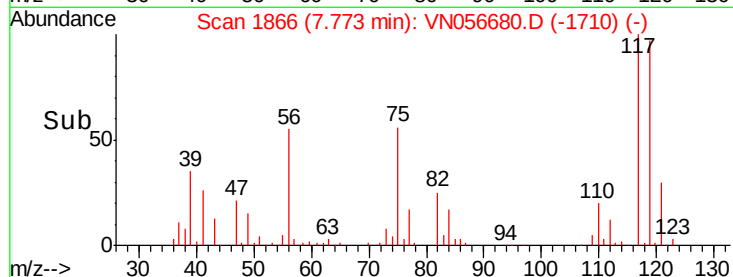
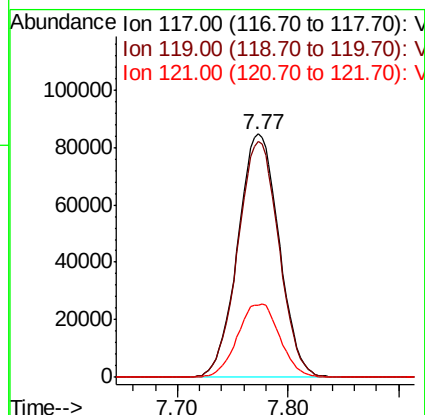
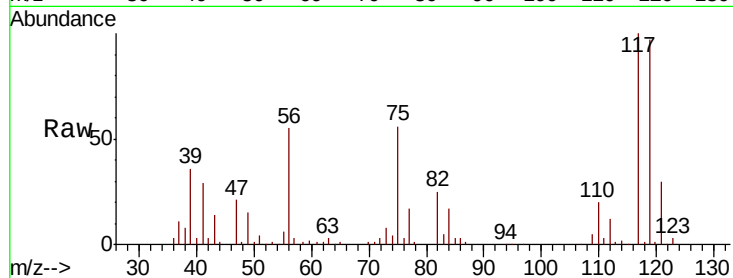




#33
Carbon Tetrachloride
Concen: 52.461 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

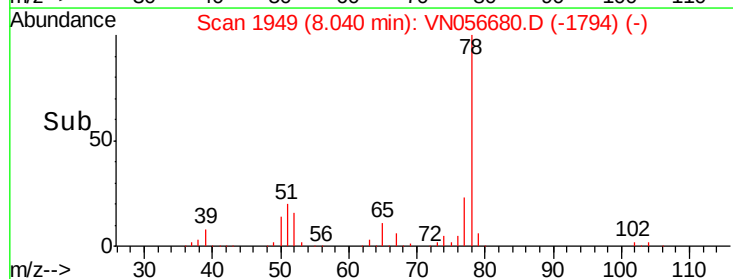
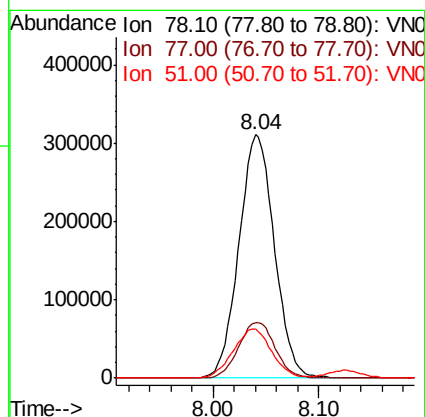
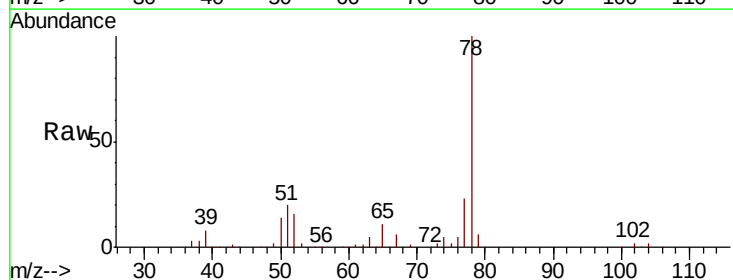
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

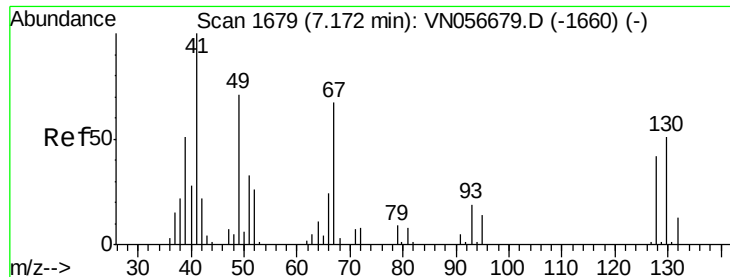
Tot Ion:117 Resp: 219499
Ion Ratio Lower Upper
117 100
119 96.7 78.7 118.1
121 29.9 24.0 36.0



#34
Benzene
Concen: 50.528 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion: 78 Resp: 725662
Ion Ratio Lower Upper
78 100
77 22.9 19.0 28.4
51 20.0 19.7 29.5

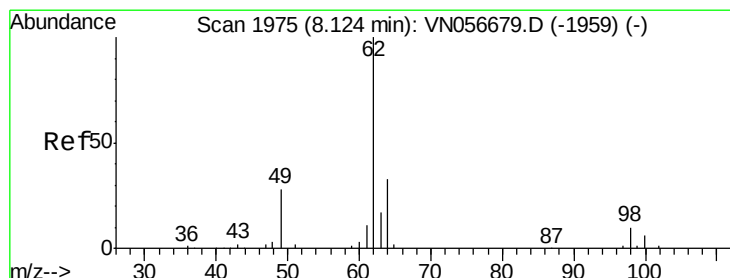
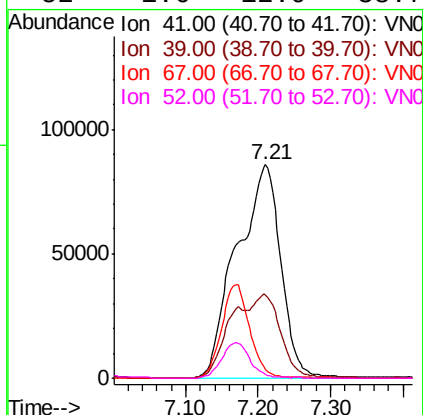
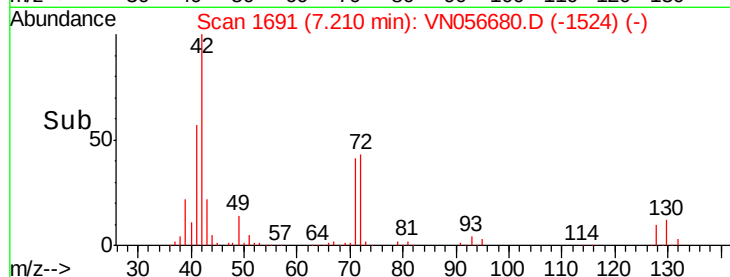
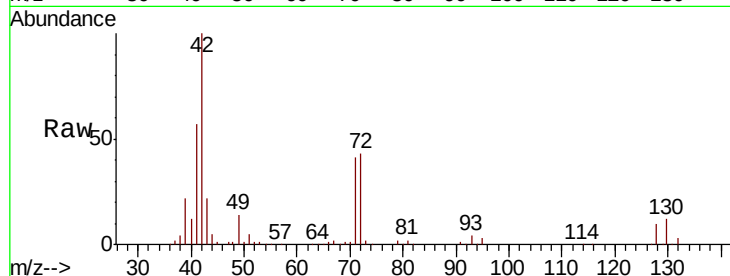




#35
Methacrylonitrile
Concen: 169.718 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

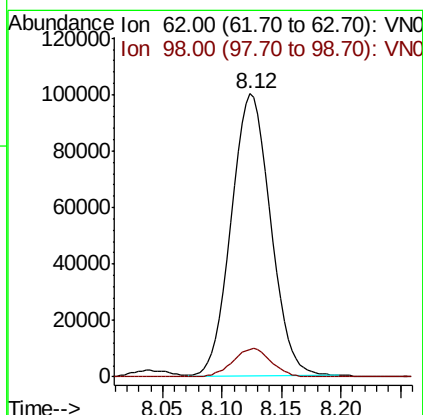
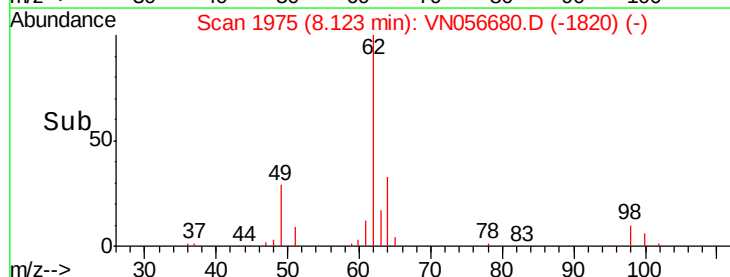
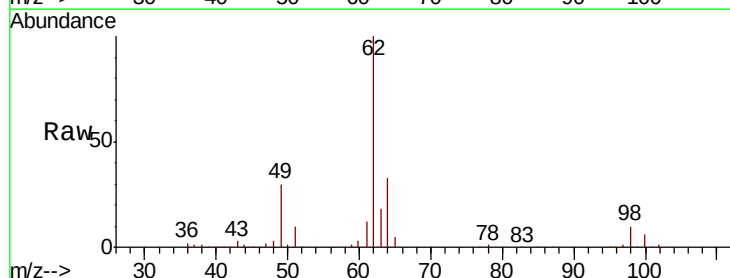
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

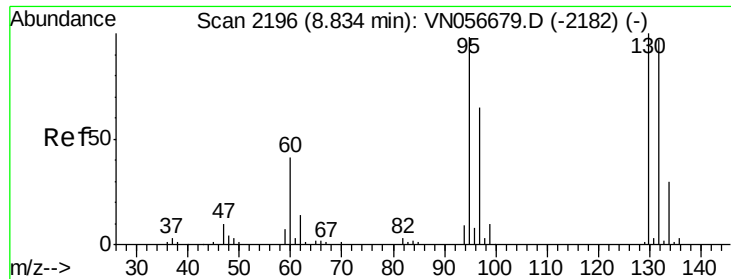
Tot Ion: 41 Resp: 362943
Ion Ratio Lower Upper
41 100
39 38.9 25.4 76.2
67 4.3 33.6 100.8#
52 1.6 12.9 38.7#



#36
1,2-Dichloroethane
Concen: 49.282 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion: 62 Resp: 229545
Ion Ratio Lower Upper
62 100
98 9.8 7.7 11.5

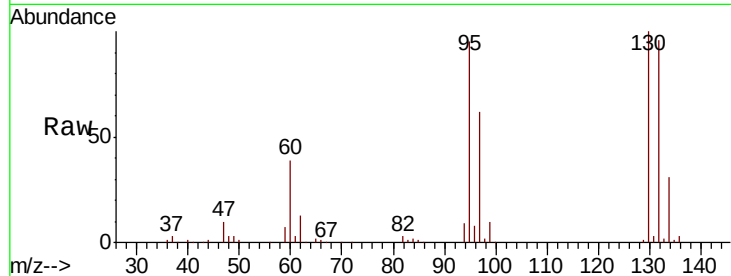




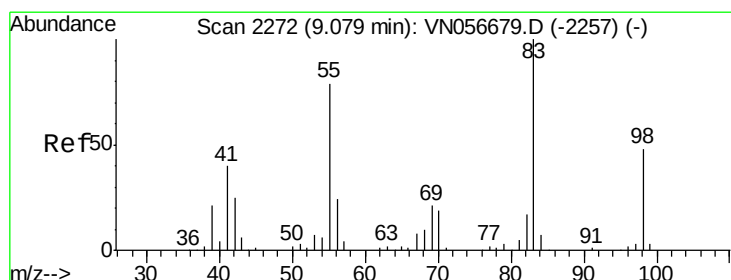
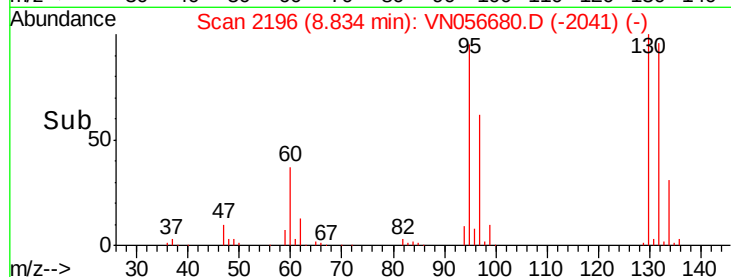
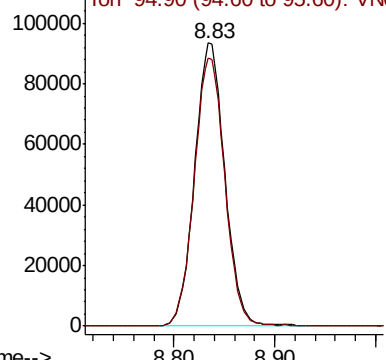
#37
 Trichloroethene
 Concen: 51.469 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion:130 Resp: 194745
 Ion Ratio Lower Upper
 130 100
 95 94.8 78.4 117.6

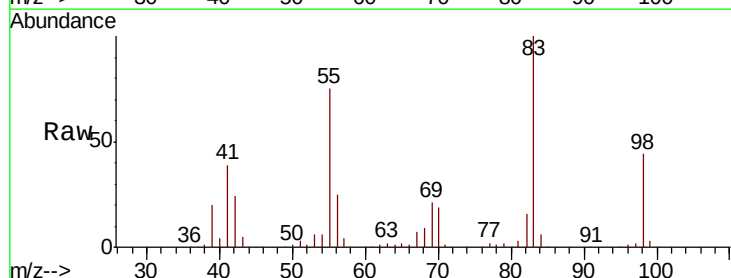


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

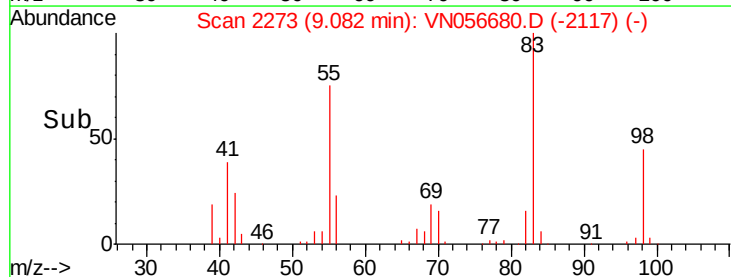
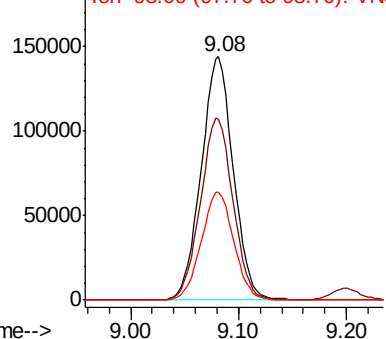


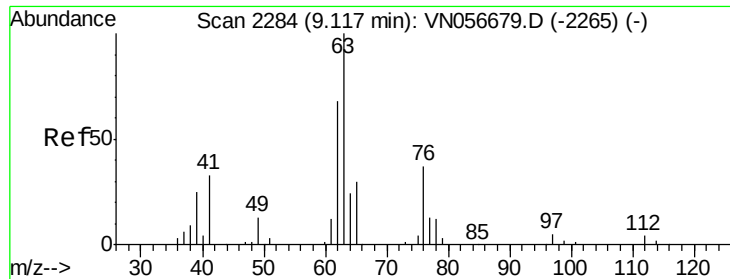
#38
 Methylcyclohexane
 Concen: 51.662 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 83 Resp: 299305
 Ion Ratio Lower Upper
 83 100
 55 75.6 38.4 115.2
 98 44.9 23.3 69.9



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 50.679 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

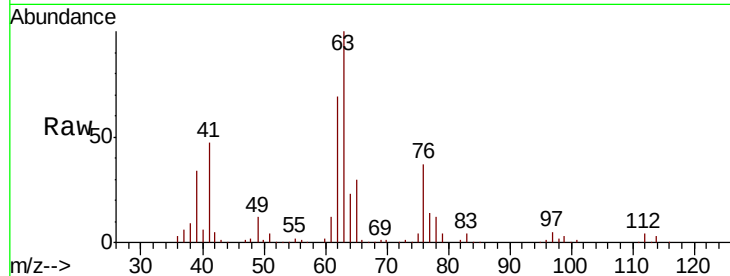
VSTDIC050

Tot Ion: 63 Resp: 195384

Ion Ratio Lower Upper

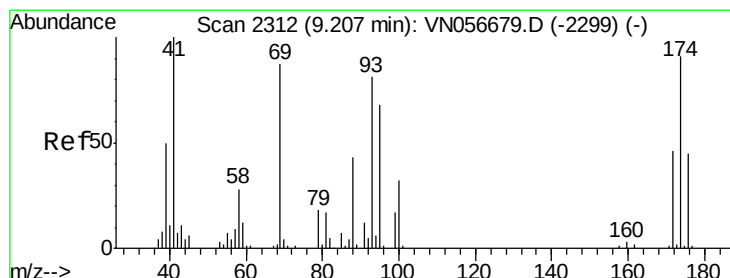
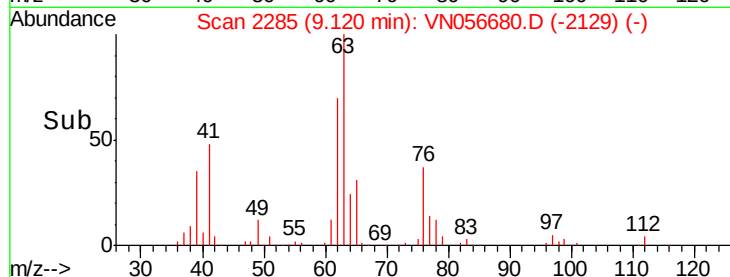
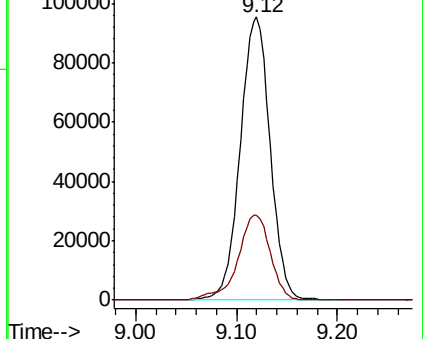
63 100

65 30.0 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 51.580 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

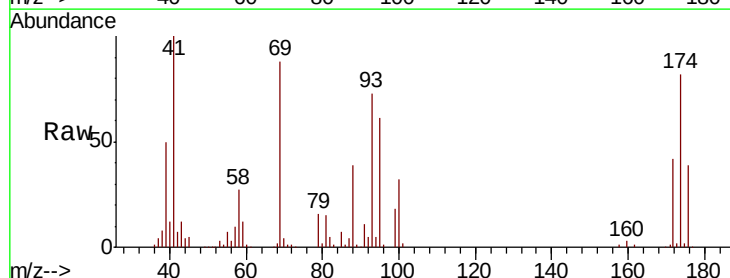
Tgt Ion: 93 Resp: 123562

Ion Ratio Lower Upper

93 100

95 82.8 0.0 167.0

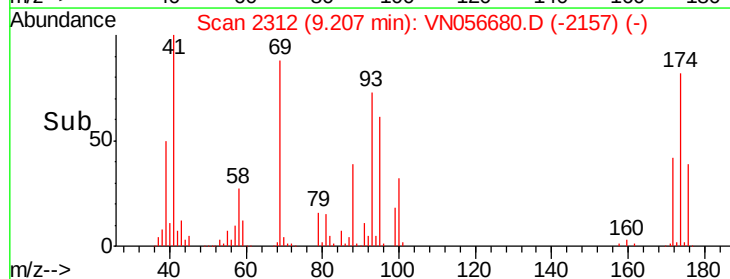
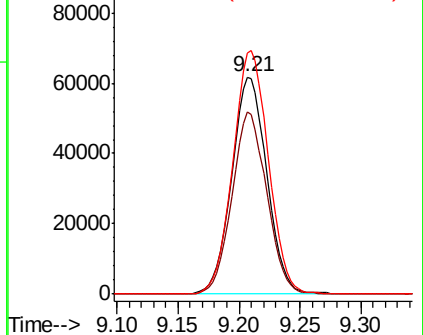
174 113.0 0.0 224.2

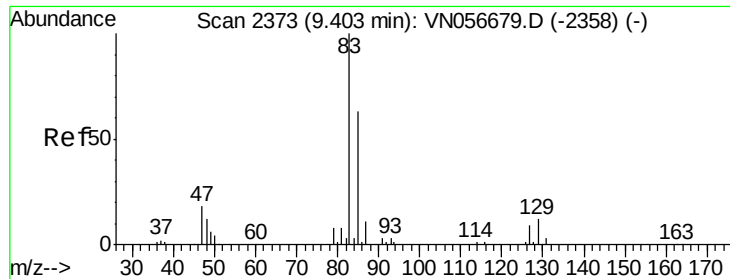


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 52.108 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

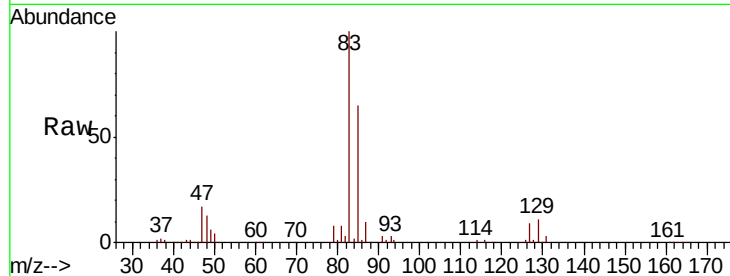
Tot Ion: 83 Resp: 232136

Ion Ratio Lower Upper

83 100

85 65.5 50.1 75.1

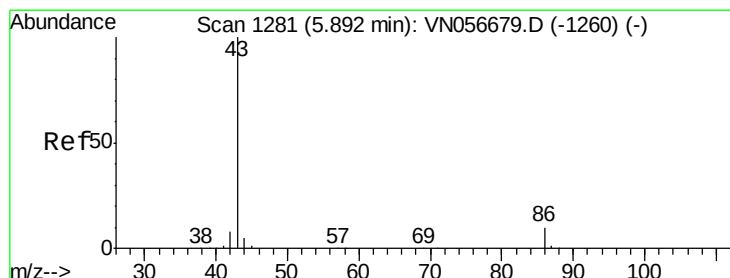
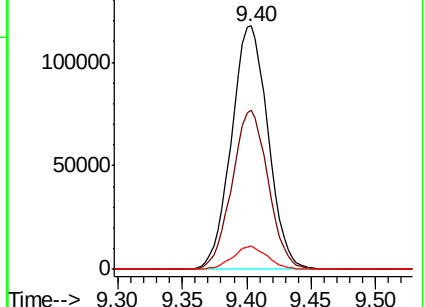
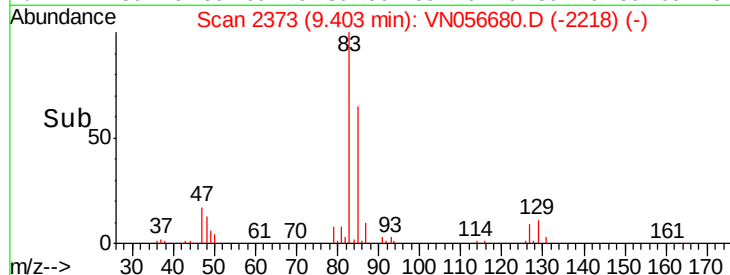
127 9.4 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN056680.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN056680.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN056680.D (-2218) (-)



#42

Vinyl Acetate

Concen: 259.169 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056680.D

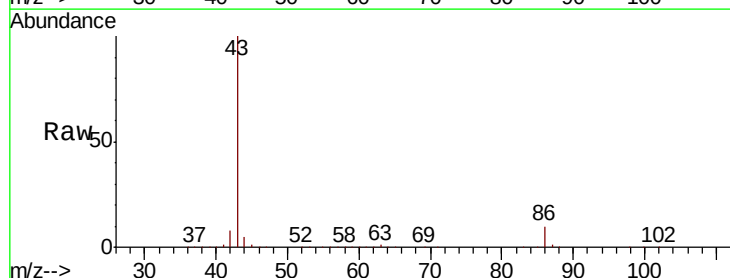
Acq: 12 Jul 2019 10:59

Tgt Ion: 43 Resp: 2346568

Ion Ratio Lower Upper

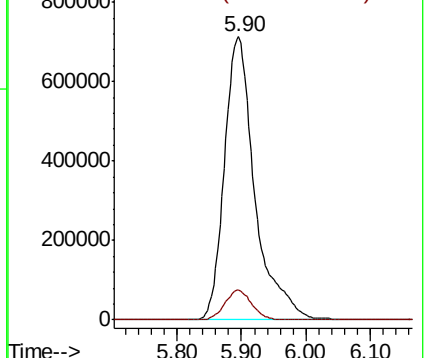
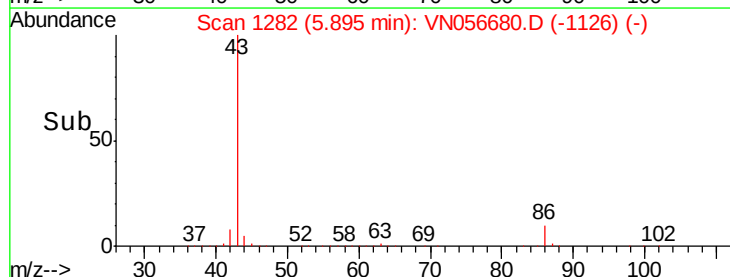
43 100

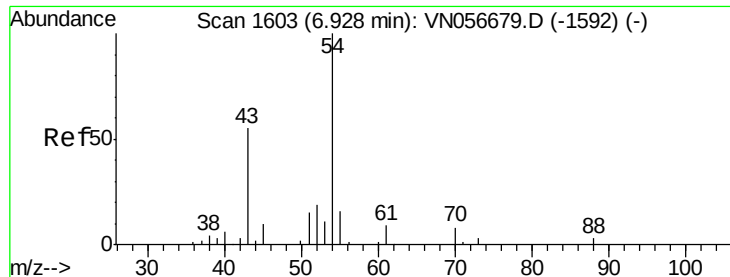
86 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN056680.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN056680.D (-1126) (-)





#43

Ethyl Acetate

Concen: 50.159 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

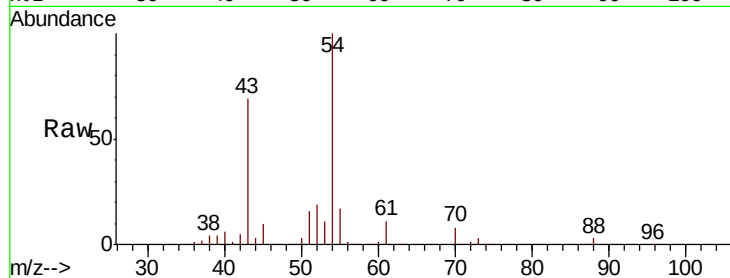
VSTDIC050

Tot Ion: 43 Resp: 246173

Ion Ratio Lower Upper

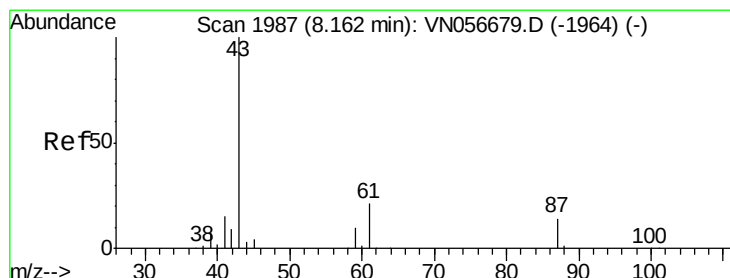
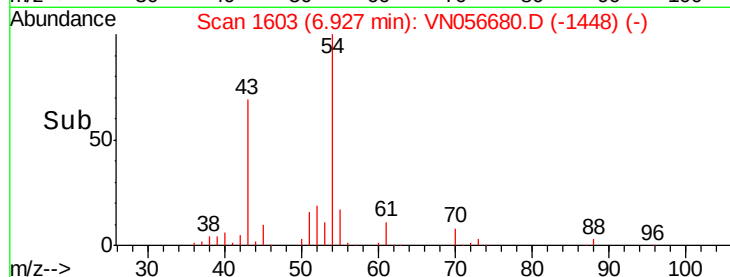
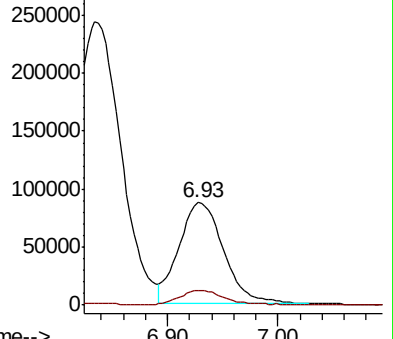
43 100

45 13.6 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: 50.785 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056680.D

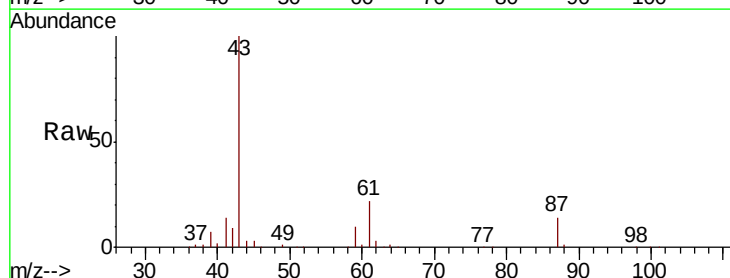
Acq: 12 Jul 2019 10:59

Tgt Ion: 43 Resp: 387617

Ion Ratio Lower Upper

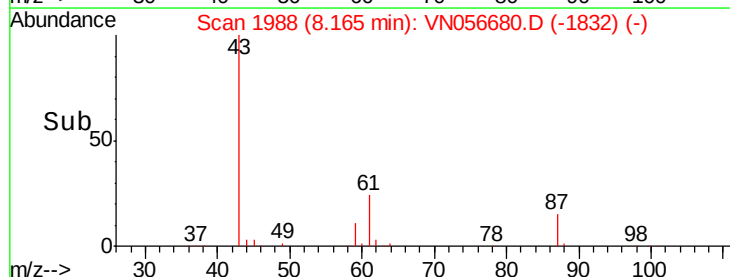
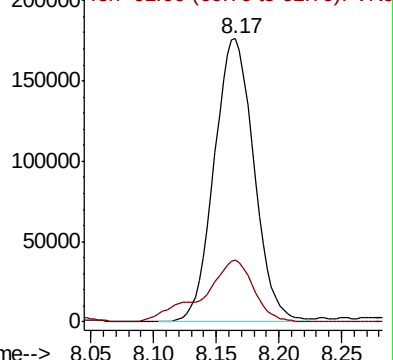
43 100

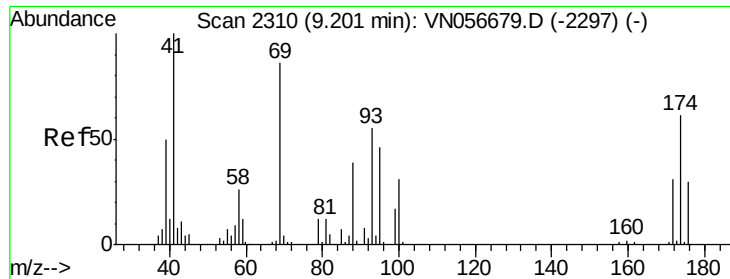
61 21.7 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

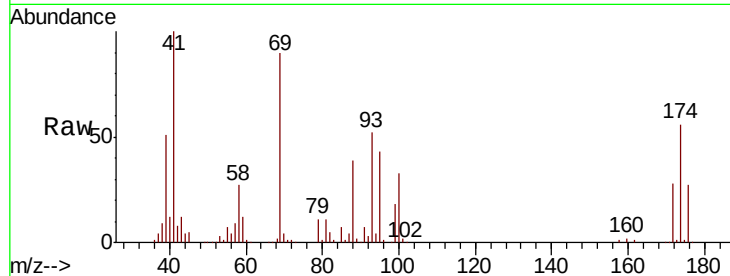




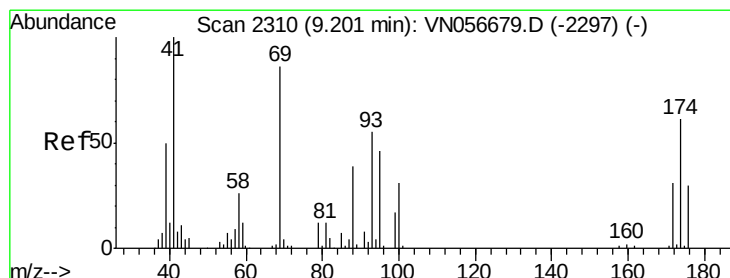
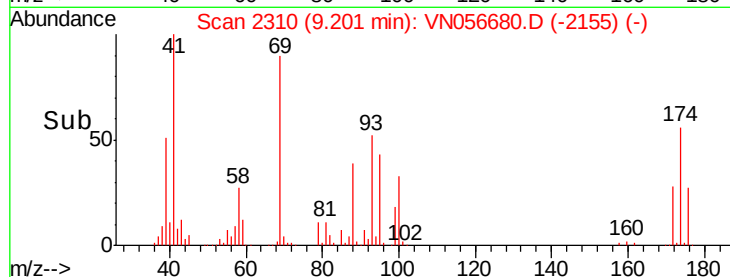
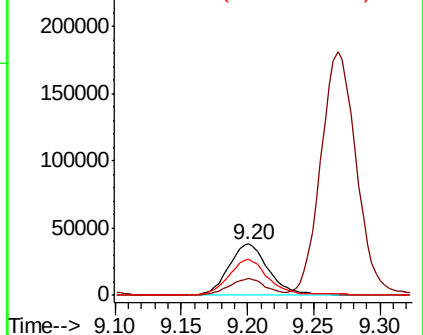
#45
 1,4-Dioxane
 Concen: 1059.995 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 88 Resp: 80359
 Ion Ratio Lower Upper
 88 100
 43 29.0 23.0 34.6
 58 68.0 54.6 81.8

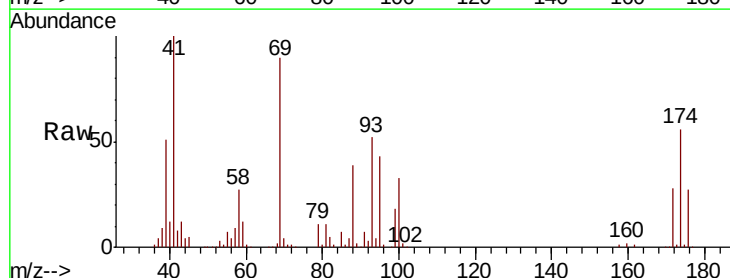


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

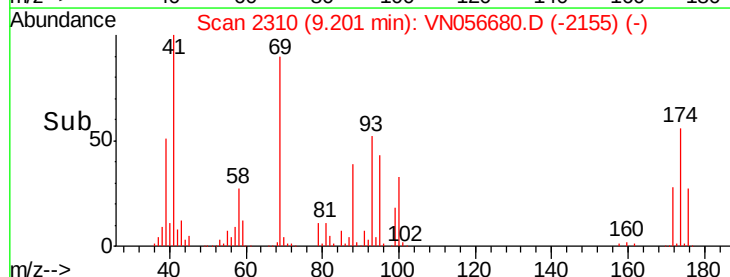
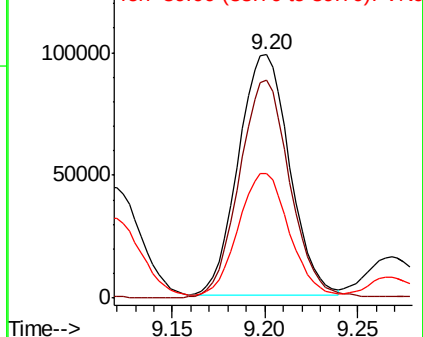


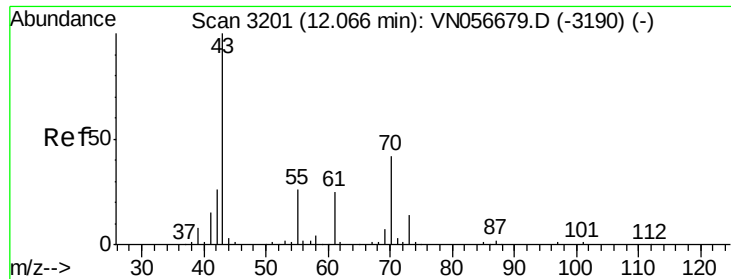
#46
 Methyl methacrylate
 Concen: 50.273 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 41 Resp: 188840
 Ion Ratio Lower Upper
 41 100
 69 90.6 43.0 129.0
 39 50.7 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: 50.905 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

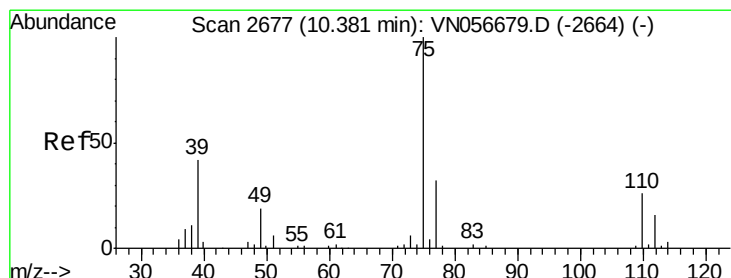
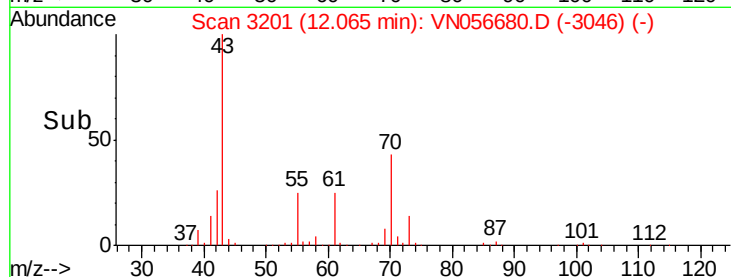
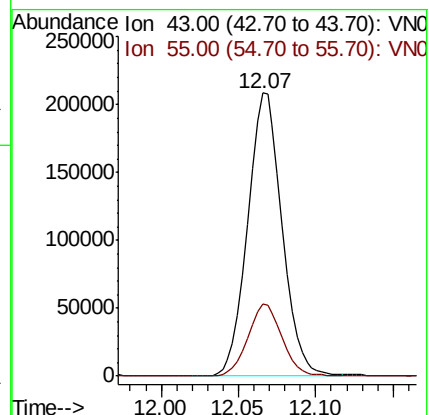
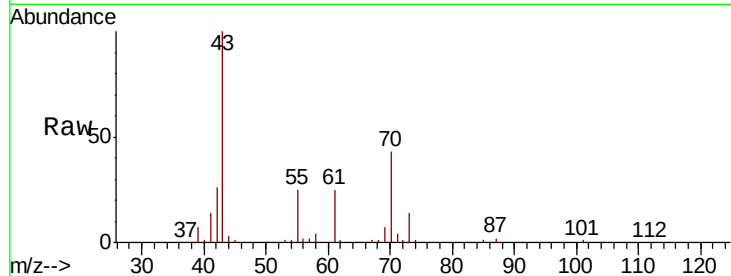
VSTDIC050

Tot Ion: 43 Resp: 321906

Ion Ratio Lower Upper

43 100

55 25.3 20.7 31.1



#48

t-1,3-Dichloropropene

Concen: 52.606 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056680.D

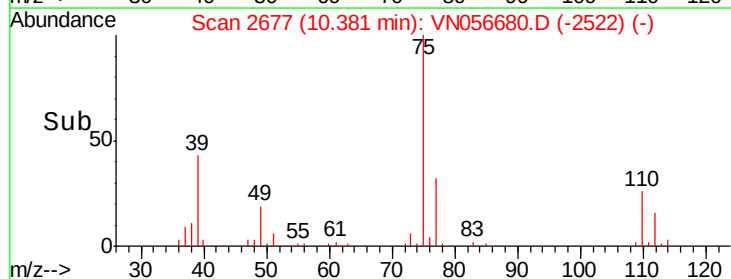
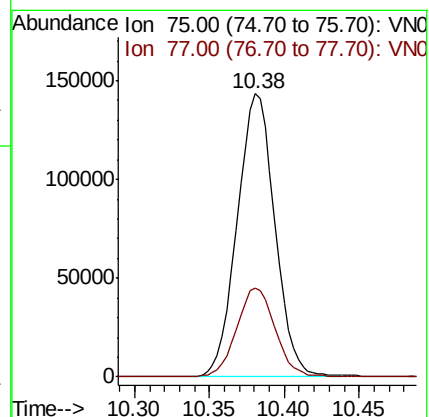
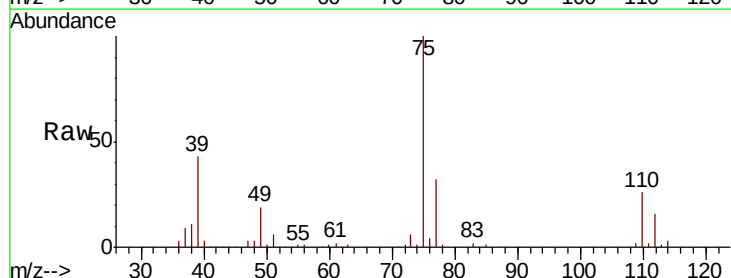
Acq: 12 Jul 2019 10:59

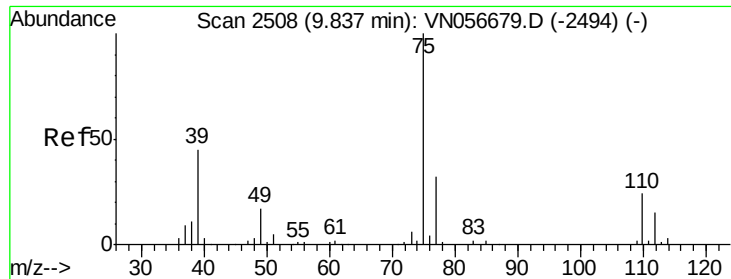
Tgt Ion: 75 Resp: 251690

Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5





#49

cis-1,3-Dichloropropene

Concen: 52.356 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

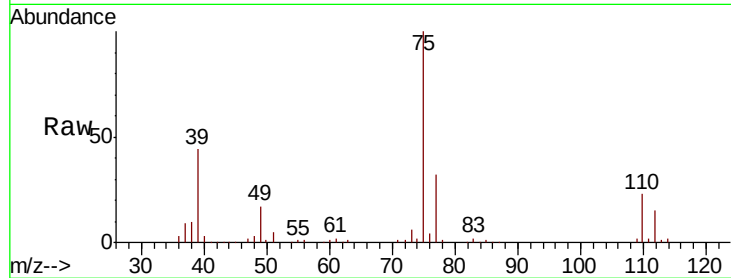
MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 75 Resp: 287967

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.0	39.0
39	43.8	36.2	54.4

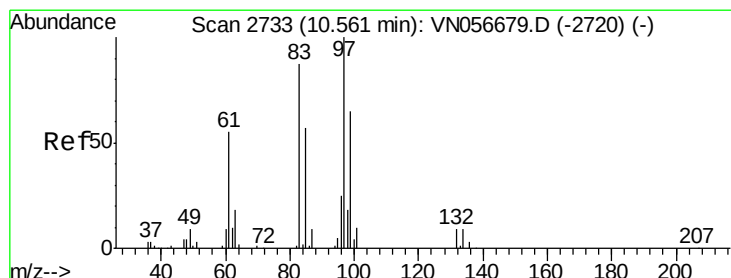
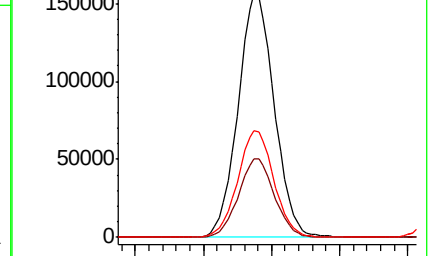
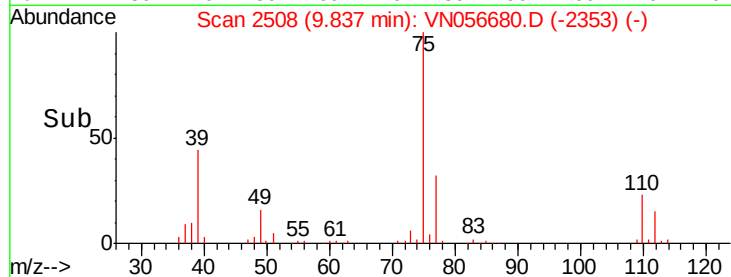


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 51.605 ug/l

RT: 10.56 min Scan# 2733

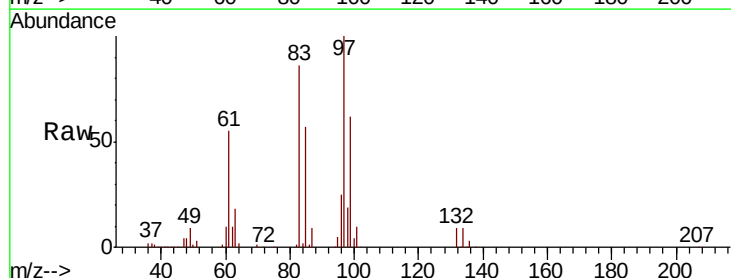
Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Tgt Ion: 97 Resp: 181434

Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.2	103.8
85	56.8	45.3	67.9
99	62.4	51.6	77.4



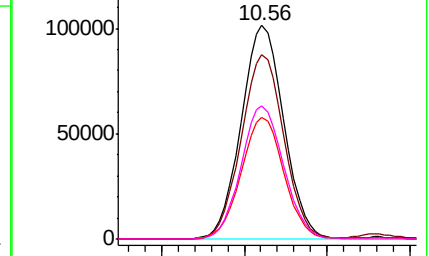
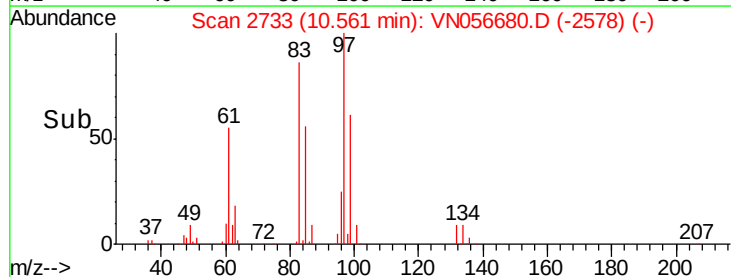
Abundance

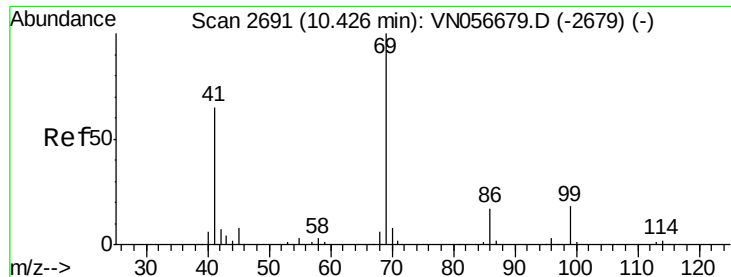
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 51.535 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

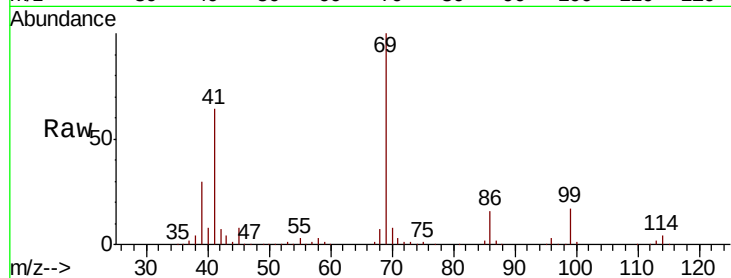
Tot Ion: 69 Resp: 283431

Ion Ratio Lower Upper

69 100

41 63.5 32.8 98.3

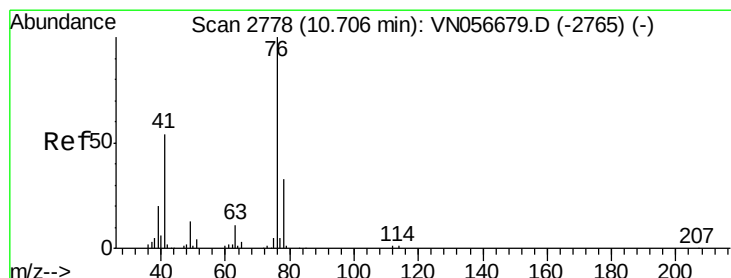
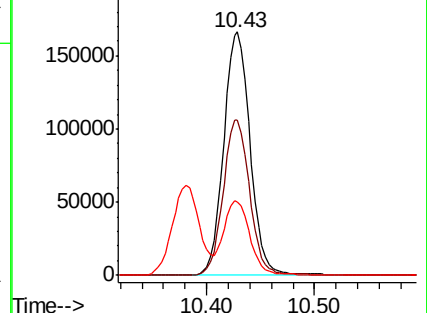
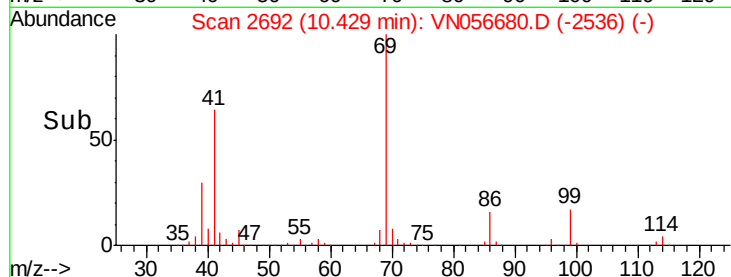
39 30.2 15.4 46.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 50.357 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056680.D

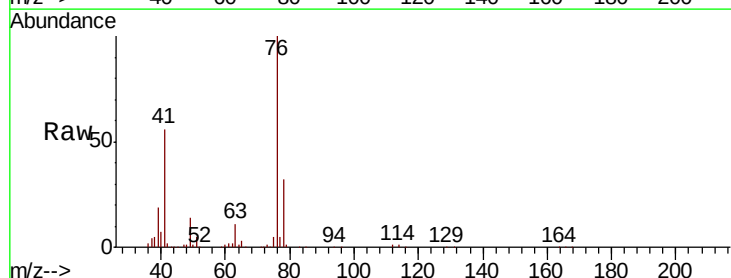
Acq: 12 Jul 2019 10:59

Tgt Ion: 76 Resp: 302101

Ion Ratio Lower Upper

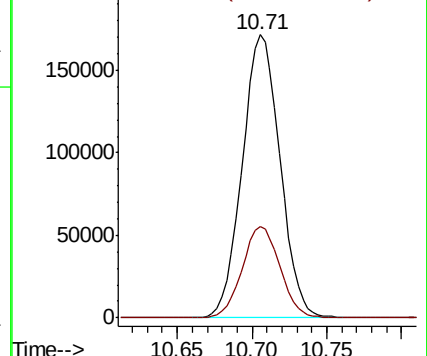
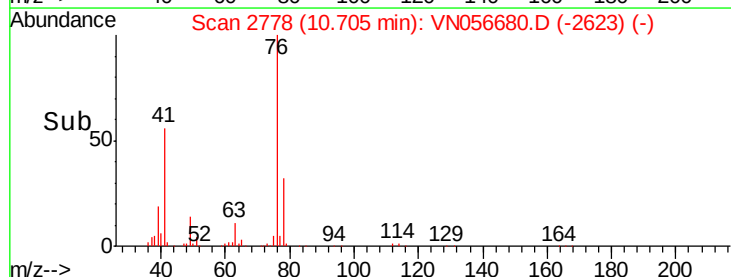
76 100

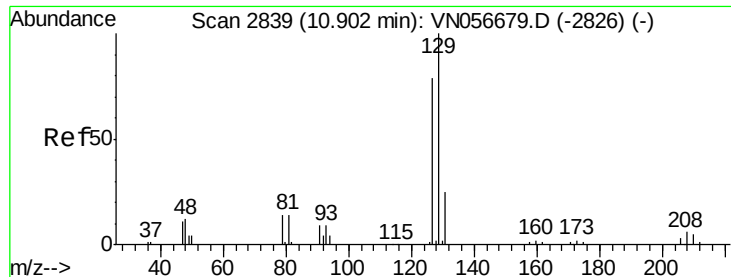
78 32.4 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 54.027 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

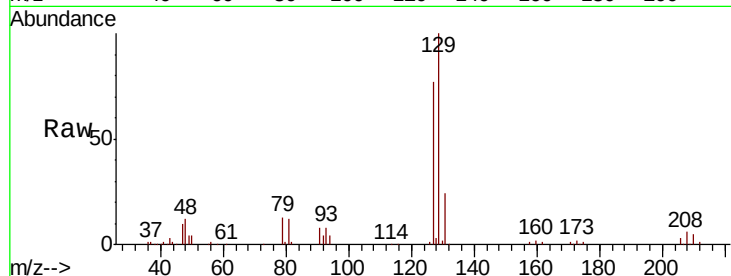
VSTDIC050

Tot Ion:129 Resp: 187506

Ion Ratio Lower Upper

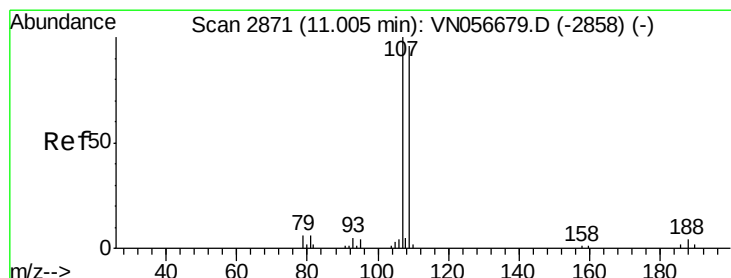
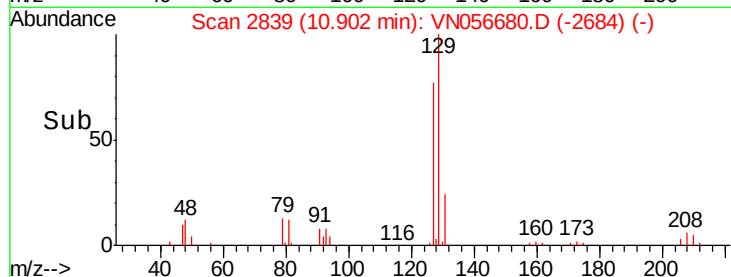
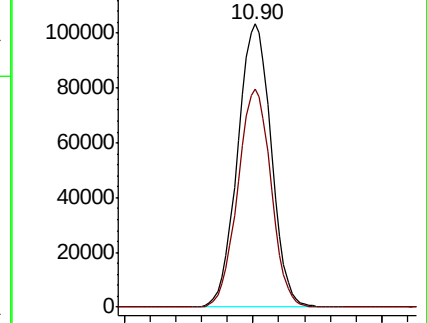
129 100

127 76.1 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: 51.286 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056680.D

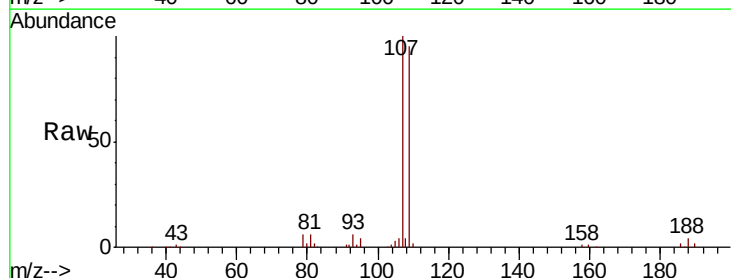
Acq: 12 Jul 2019 10:59

Tgt Ion:107 Resp: 188184

Ion Ratio Lower Upper

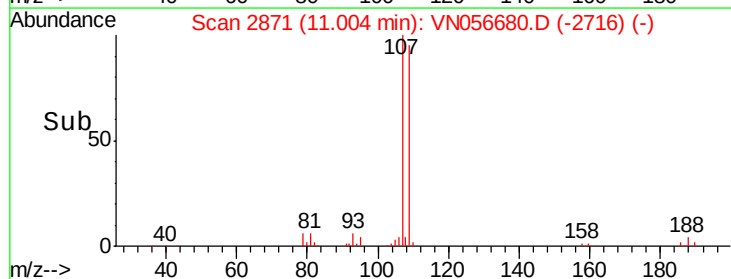
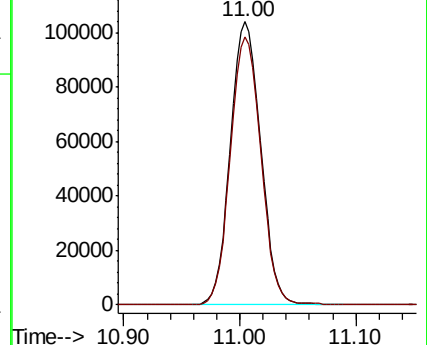
107 100

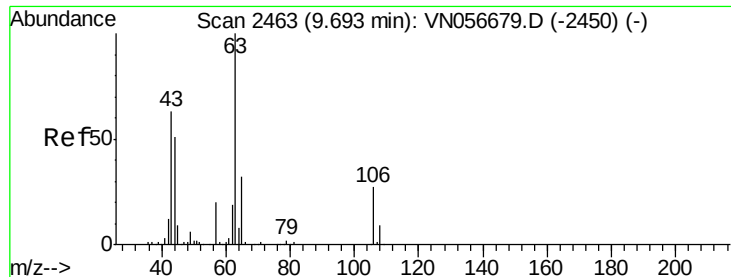
109 94.9 77.9 116.9



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: 246.909 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

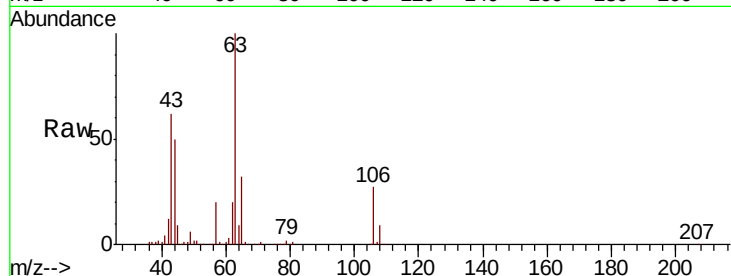
Tot Ion: 63 Resp: 685841

Ion Ratio Lower Upper

63 100

65 31.8 25.2 37.8

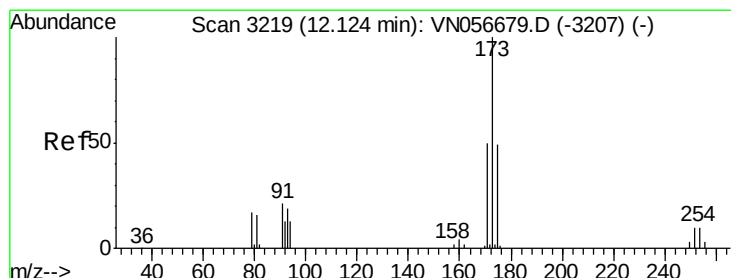
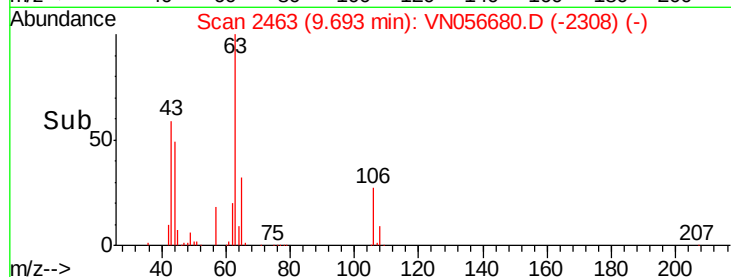
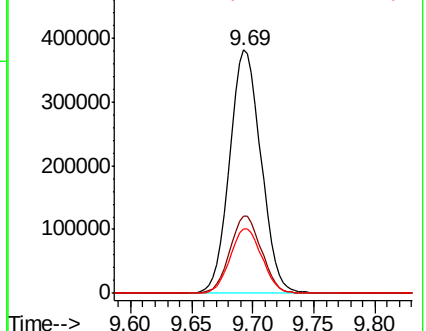
106 26.9 21.6 32.4



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: 53.627 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

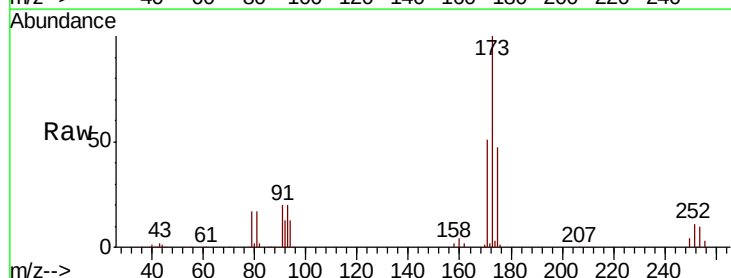
Tgt Ion: 173 Resp: 136273

Ion Ratio Lower Upper

173 100

175 49.1 39.7 59.5

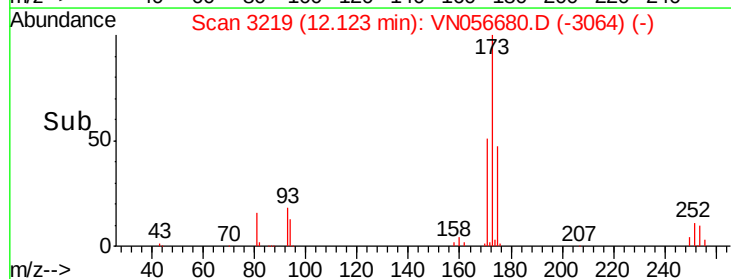
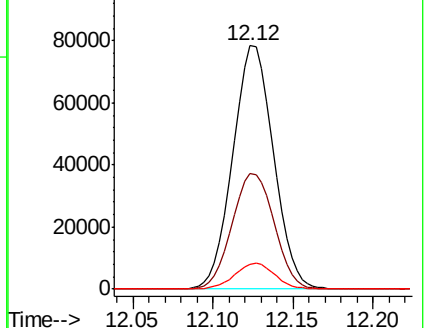
254 10.3 7.8 11.8

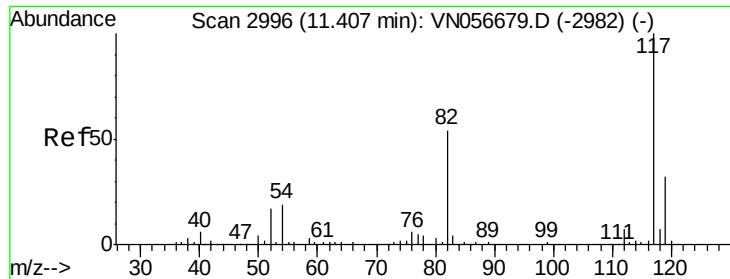


Abundance Ion 173.00 (172.70 to 173.70): VN056679.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN056679.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN056679.D (-3207) (-)

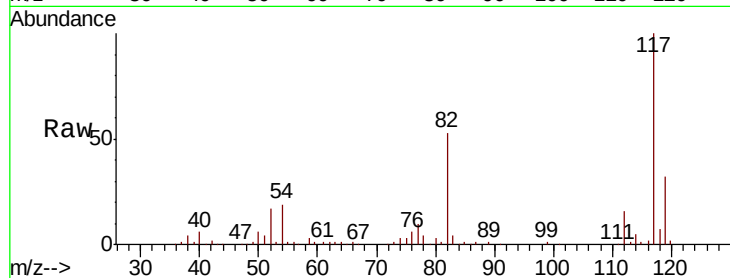




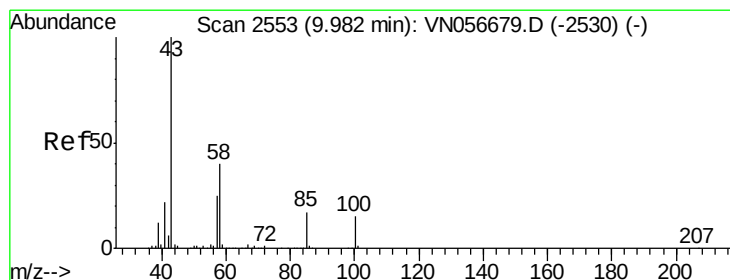
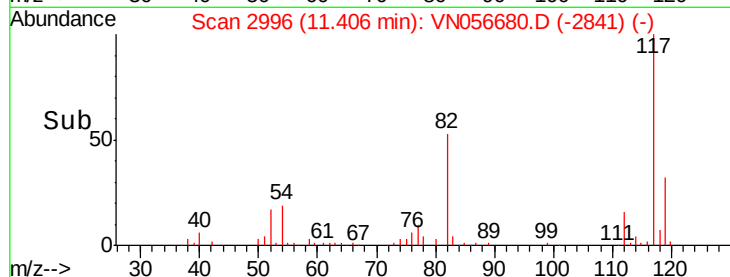
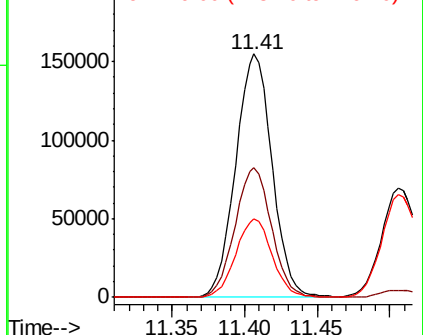
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:117 Resp: 270359
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 32.2 26.0 39.0

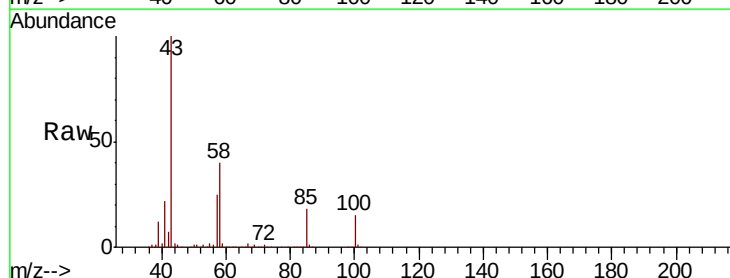


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

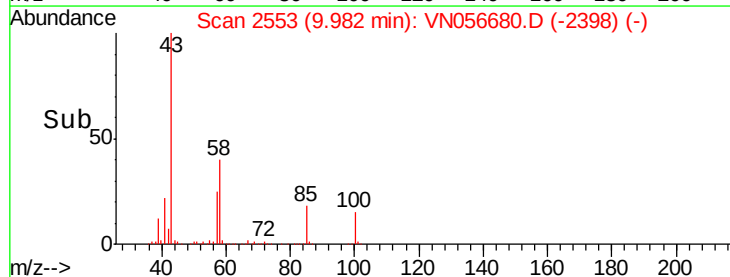
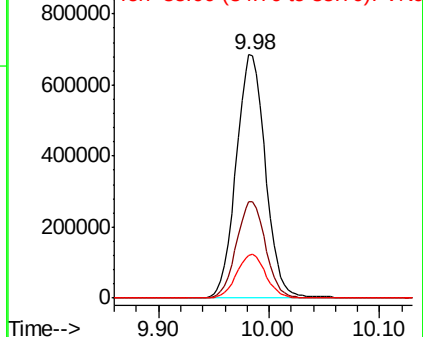


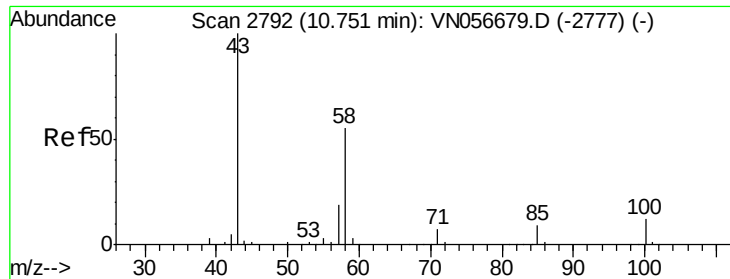
#58
4-Methyl-2-Pentanone
Concen: 254.407 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion: 43 Resp: 1255681
Ion Ratio Lower Upper
43 100
58 39.8 31.9 47.9
85 17.9 14.2 21.4



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

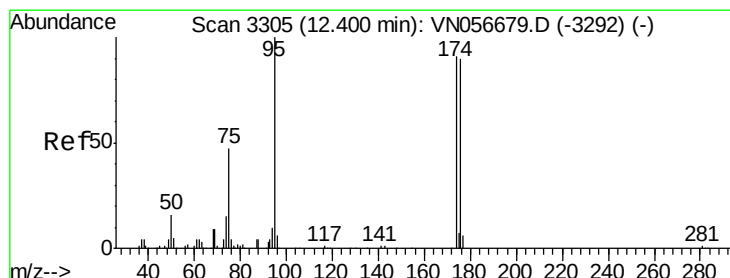
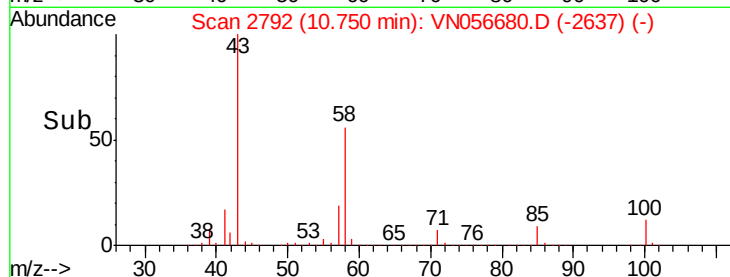
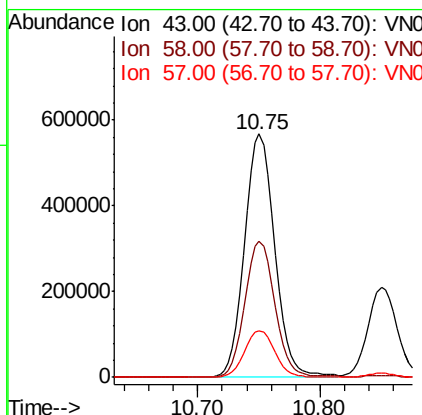
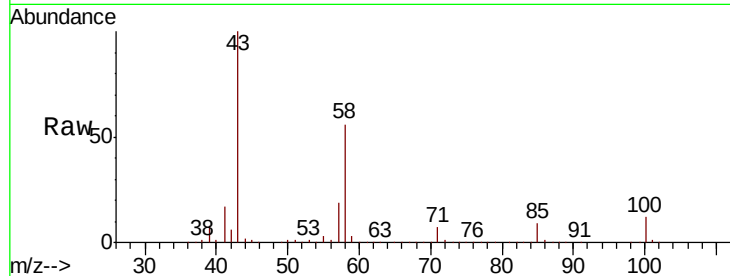




#59
2-Hexanone
Concen: 260.131 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

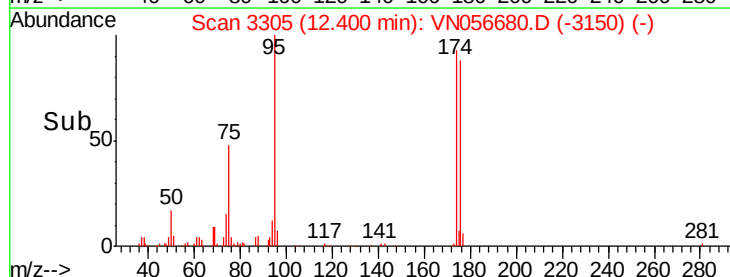
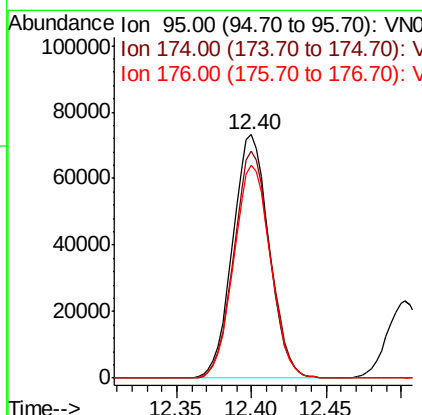
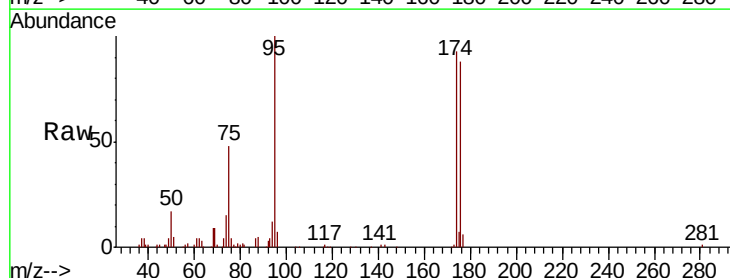
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

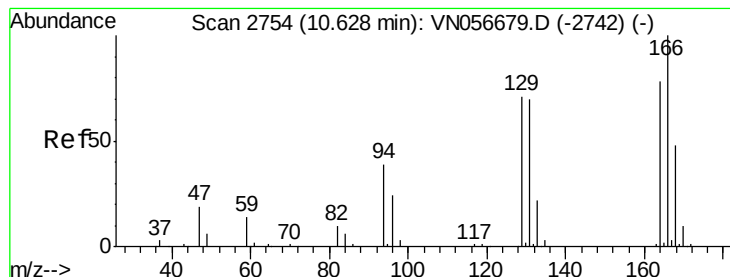
Tot Ion: 43 Resp: 965766
Ion Ratio Lower Upper
43 100
58 55.8 44.4 66.6
57 19.2 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.721 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion: 95 Resp: 123972
Ion Ratio Lower Upper
95 100
174 93.0 72.6 108.8
176 88.3 71.0 106.6





#61

Tetrachloroethene

Concen: 53.879 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 190191

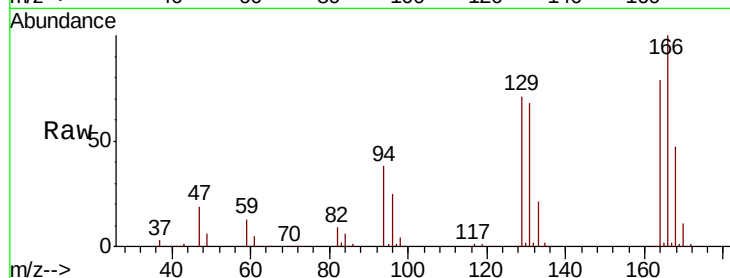
Ion Ratio Lower Upper

164 100

166 127.0 102.3 153.5

129 90.0 72.6 108.8

131 86.1 71.4 107.2

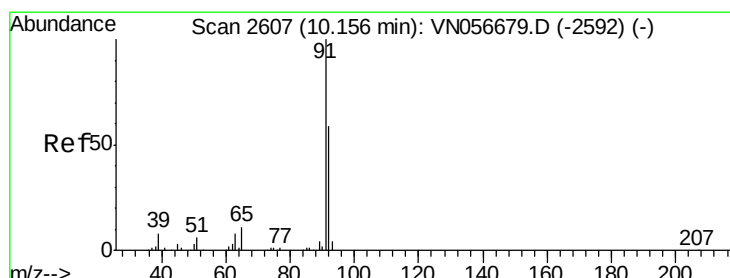
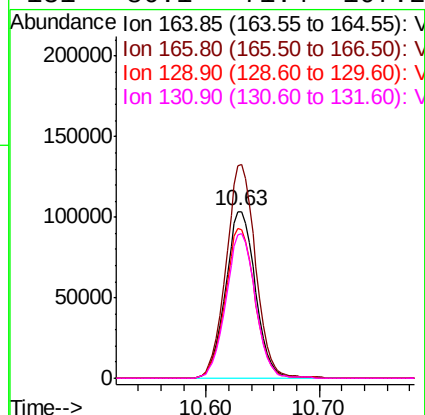
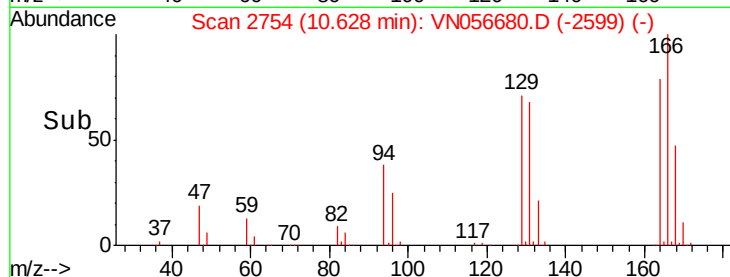


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 50.853 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056680.D

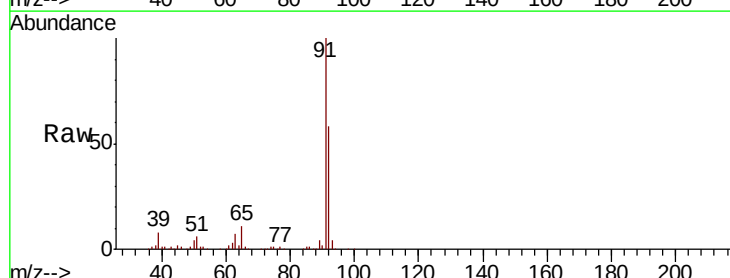
Acq: 12 Jul 2019 10:59

Tgt Ion: 91 Resp: 782163

Ion Ratio Lower Upper

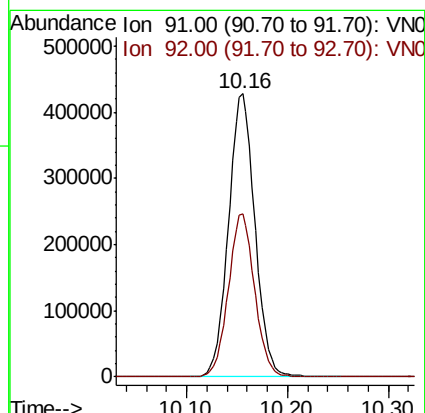
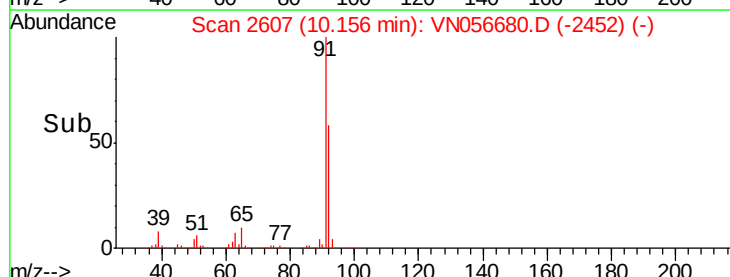
91 100

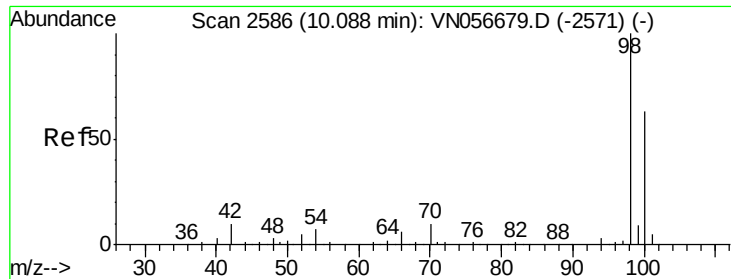
92 57.2 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.510 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

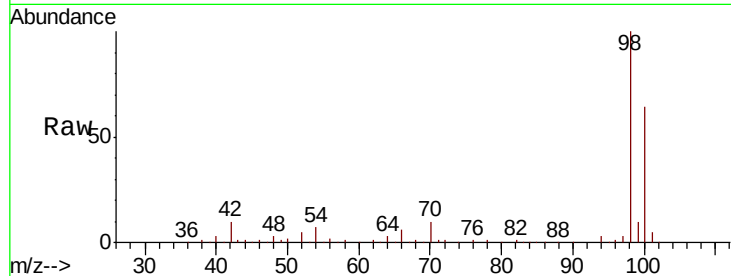
VSTDIC050

Tot Ion: 98 Resp: 369961

Ion Ratio Lower Upper

98 100

100 64.6 51.1 76.7



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

Ion 100.00 (99.70 to 100.70): VN056680.D (-2431) (-)

10.09

200000

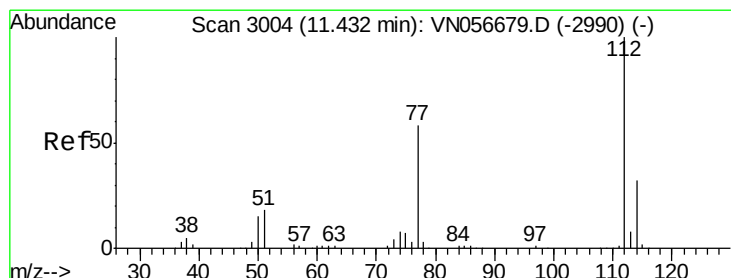
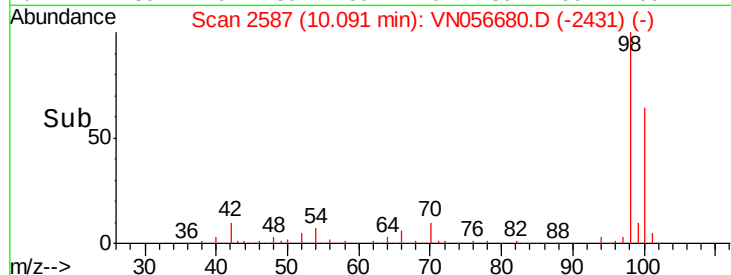
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 51.067 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056680.D

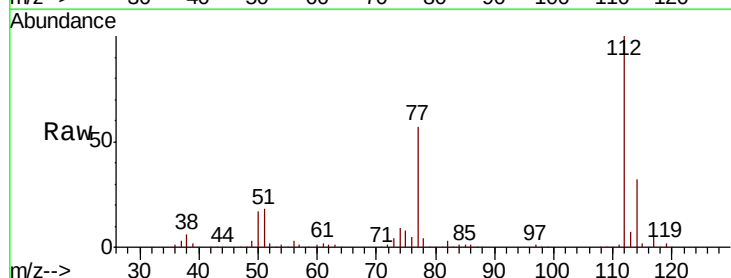
Acq: 12 Jul 2019 10:59

Tgt Ion: 112 Resp: 473813

Ion Ratio Lower Upper

112 100

114 31.8 25.3 37.9



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

Ion 114.00 (113.70 to 114.70): VN056680.D (-2849) (-)

11.43

300000

250000

200000

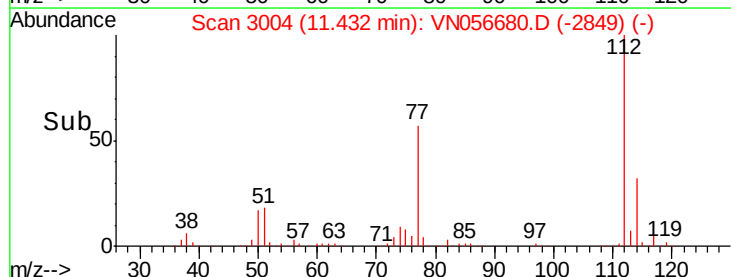
150000

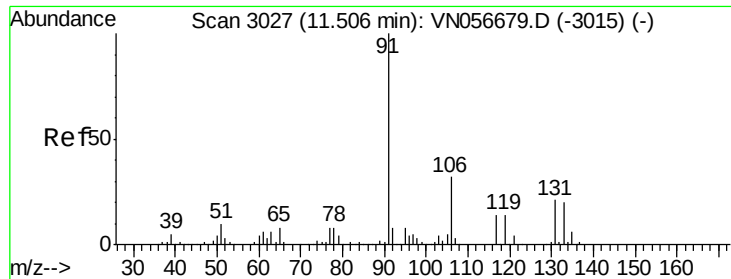
100000

50000

0

Time-->

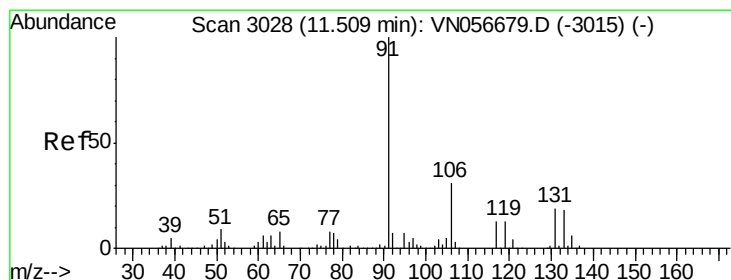
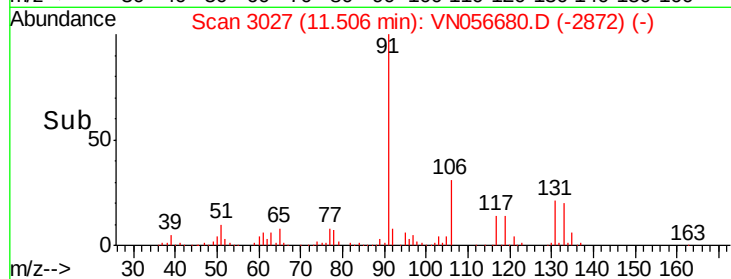
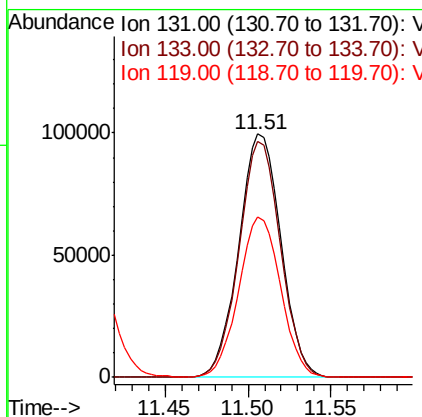
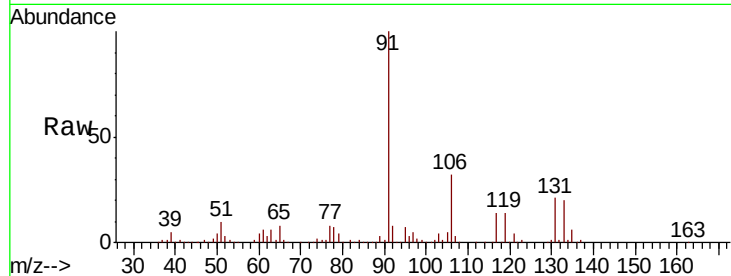




#65
 1,1,1,2-Tetrachloroethane
 Concen: 52.238 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

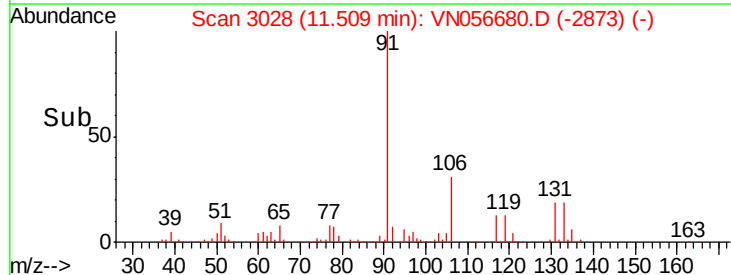
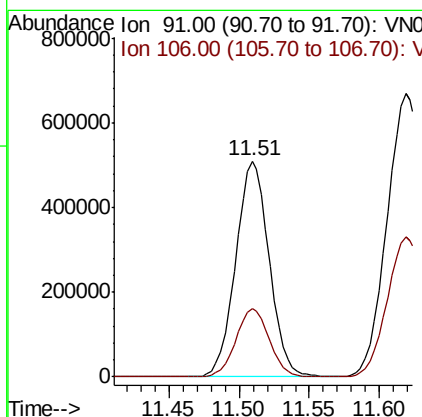
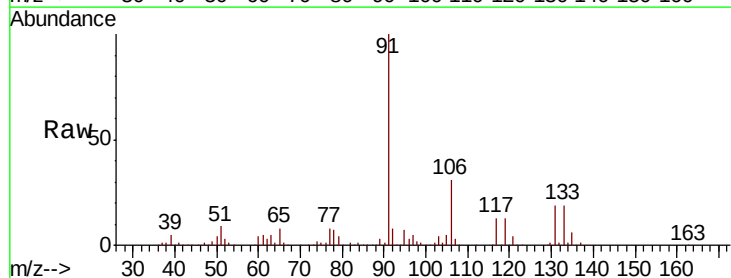
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

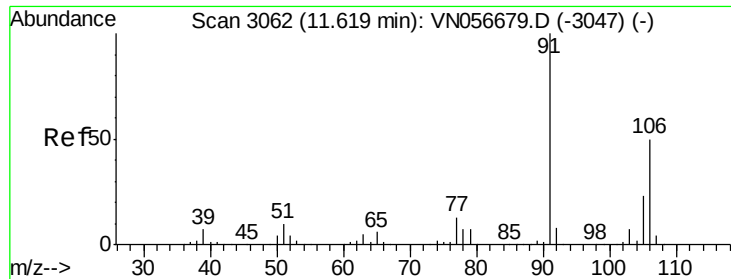
Tot Ion:131 Resp: 175863
 Ion Ratio Lower Upper
 131 100
 133 95.6 0.0 191.4
 119 65.7 0.0 133.4



#66
 Ethyl Benzene
 Concen: 50.636 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 91 Resp: 845359
 Ion Ratio Lower Upper
 91 100
 106 31.4 25.1 37.7

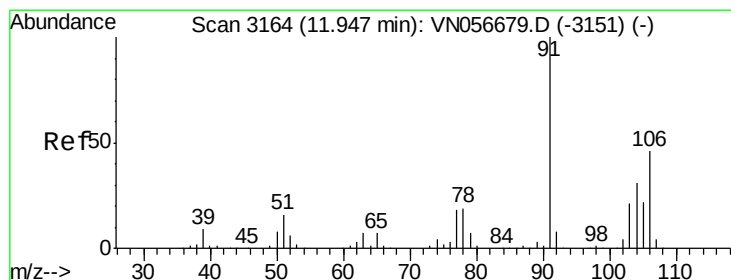
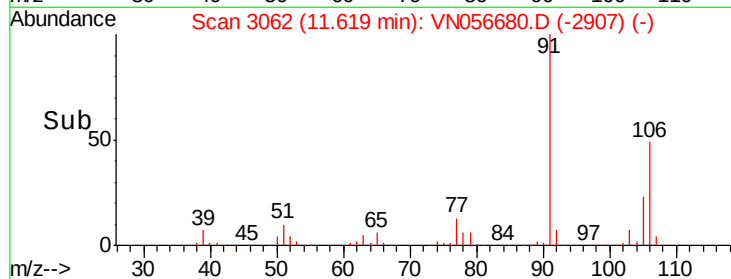
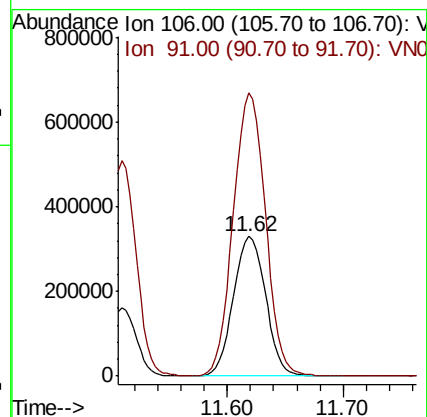
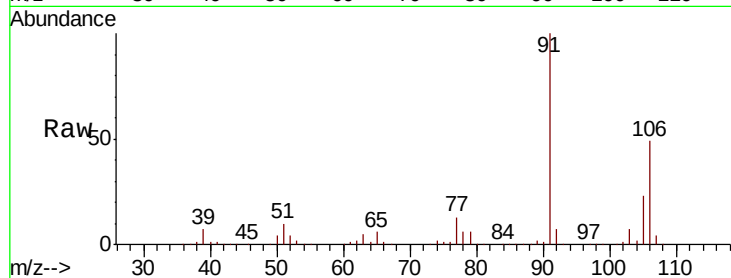




#67
m/p-Xylenes
Concen: 103.224 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

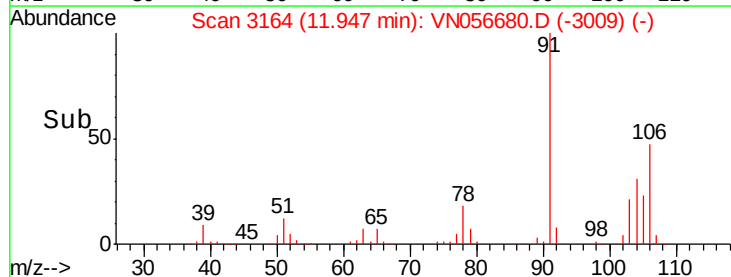
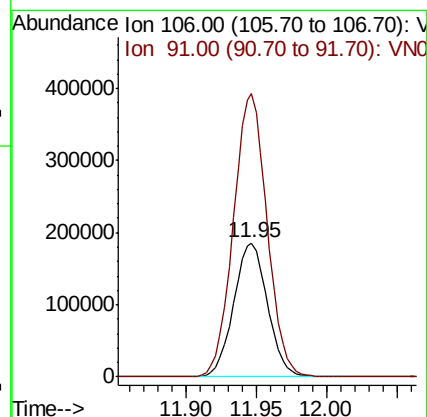
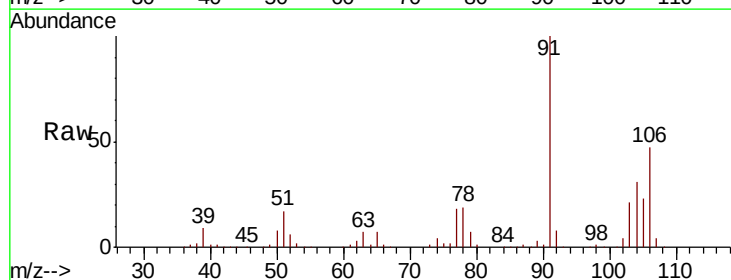
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

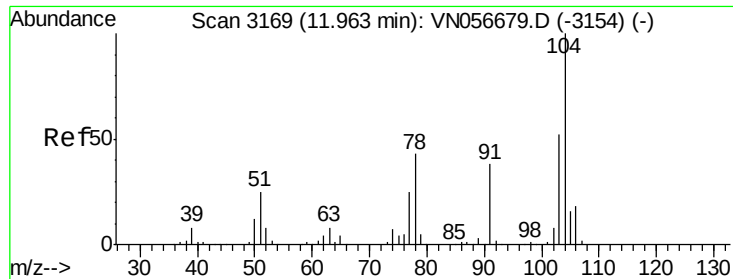
Tot Ion:106 Resp: 639800
Ion Ratio Lower Upper
106 100
91 202.2 161.8 242.8



#68
o-Xylene
Concen: 51.177 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion:106 Resp: 311230
Ion Ratio Lower Upper
106 100
91 210.6 108.1 324.2

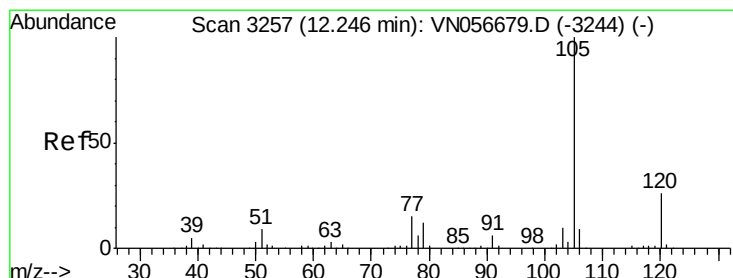
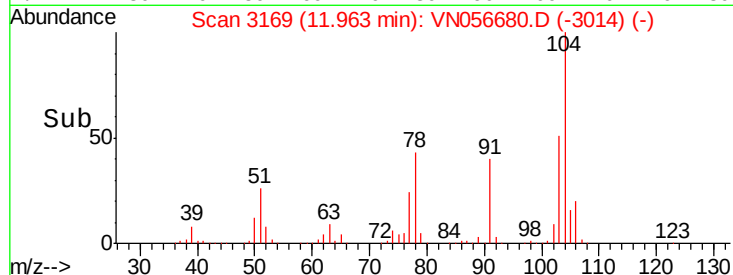
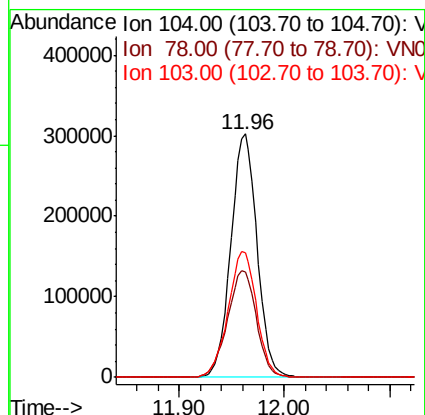
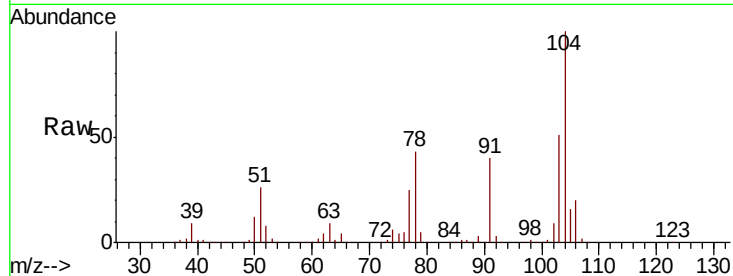




#69
Stvrene
Concen: 51.306 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

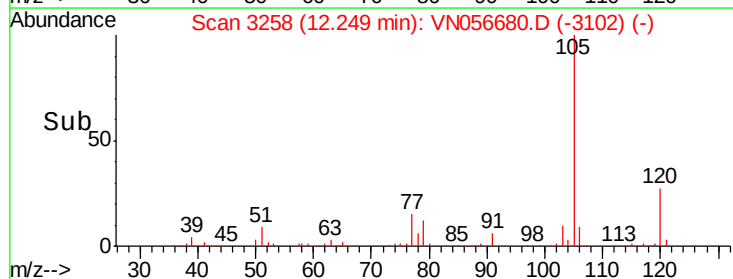
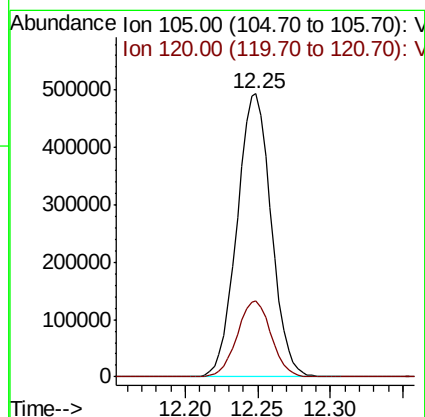
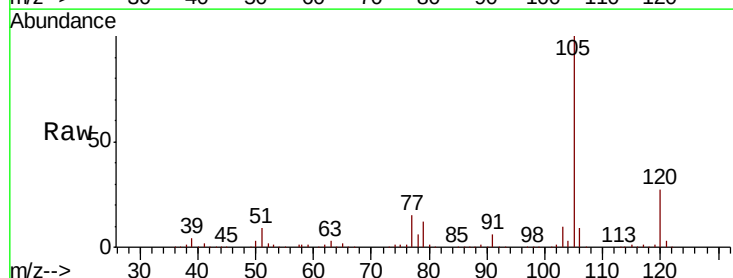
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

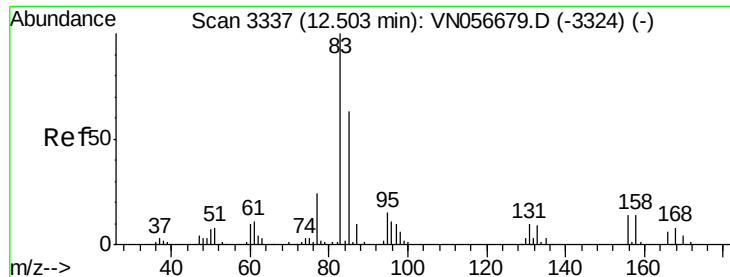
Tot Ion:104 Resp: 518711
Ion Ratio Lower Upper
104 100
78 48.5 38.7 58.1
103 56.1 45.0 67.4



#70
Isopropylbenzene
Concen: 50.830 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion:105 Resp: 809637
Ion Ratio Lower Upper
105 100
120 26.6 18.6 34.5





#71

1,1,2,2-Tetrachloroethane

Concen: 49.913 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

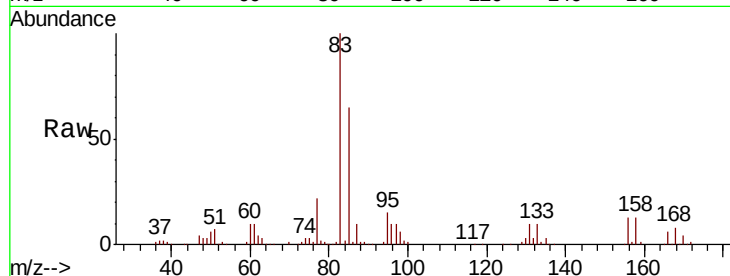
Tot Ion: 83 Resp: 261409

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

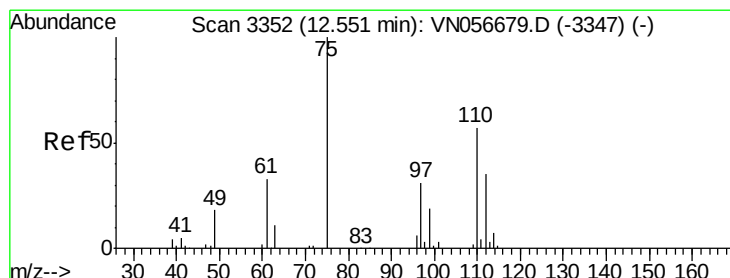
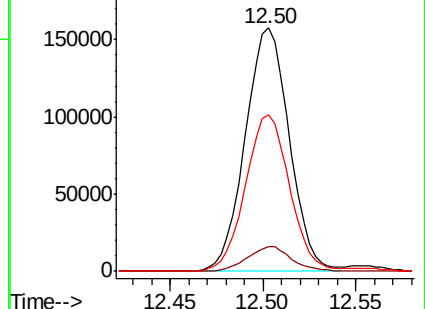
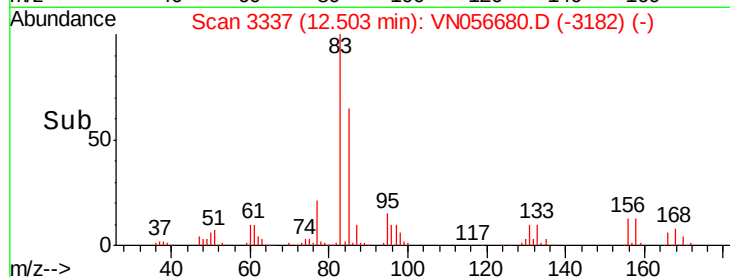
85 64.4 31.9 95.7



Abundance Ion 83.00 (82.70 to 83.70): VN056680.D (-3182) (-)

Ion 131.00 (130.70 to 131.70): VN056680.D (-3182) (-)

Ion 85.00 (84.70 to 85.70): VN056680.D (-3182) (-)



#72

1,2,3-Trichloropropane

Concen: 73.484 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056680.D

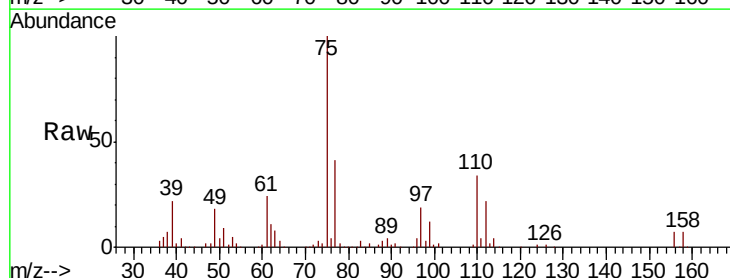
Acq: 12 Jul 2019 10:59

Tgt Ion: 75 Resp: 322870

Ion Ratio Lower Upper

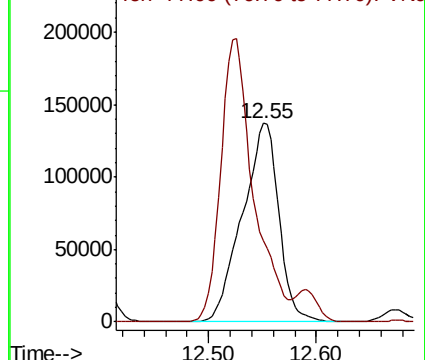
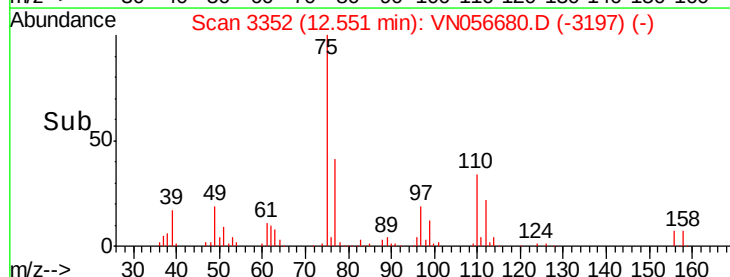
75 100

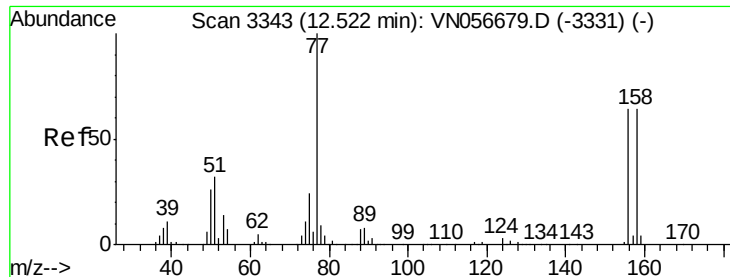
77 128.4 0.0 352.2



Abundance Ion 75.00 (74.70 to 75.70): VN056680.D (-3197) (-)

Ion 77.00 (76.70 to 77.70): VN056680.D (-3197) (-)





#73

Bromobenzene

Concen: 52.175 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

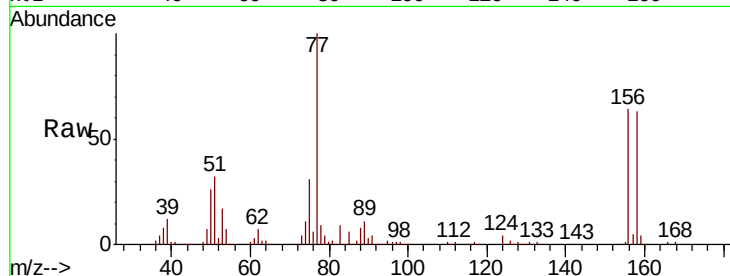
Tot Ion:156 Resp: 214577

Ion Ratio Lower Upper

156 100

77 193.2 0.0 381.8

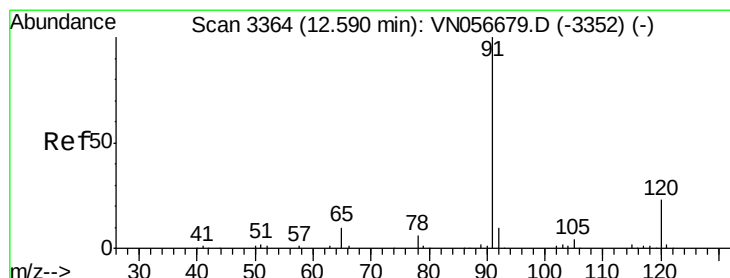
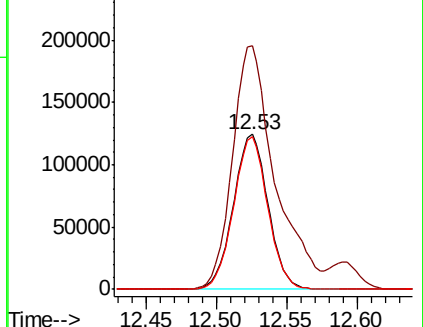
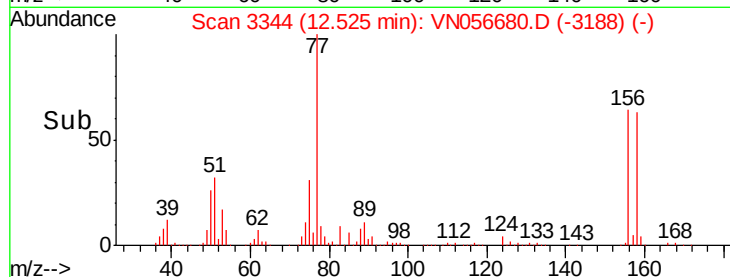
158 96.8 0.0 195.8



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: 50.783 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056680.D

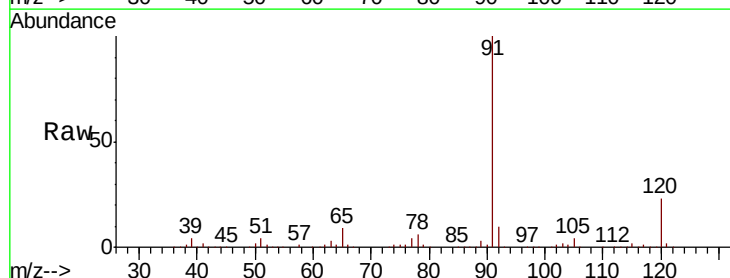
Acq: 12 Jul 2019 10:59

Tgt Ion: 91 Resp: 922247

Ion Ratio Lower Upper

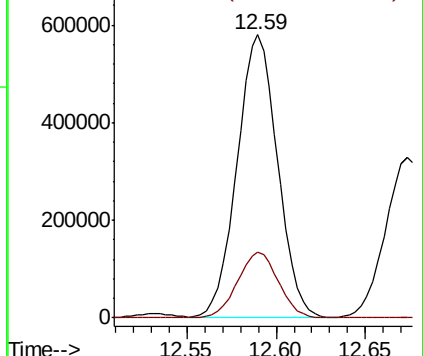
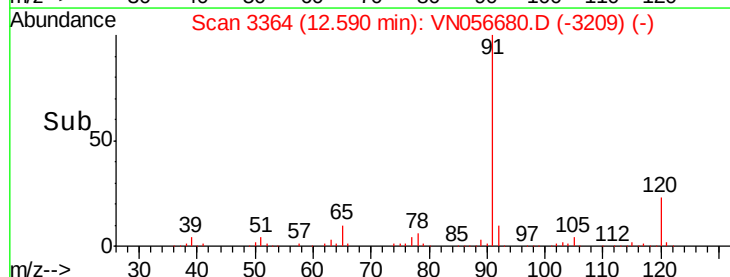
91 100

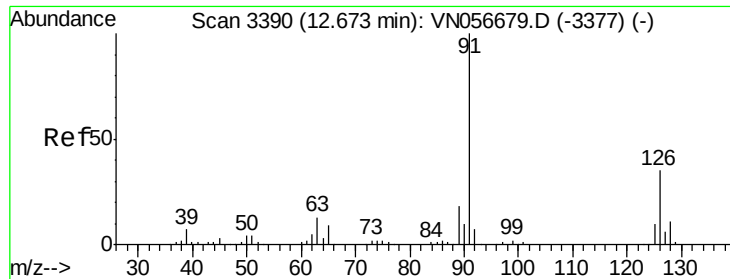
120 23.3 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 50.862 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

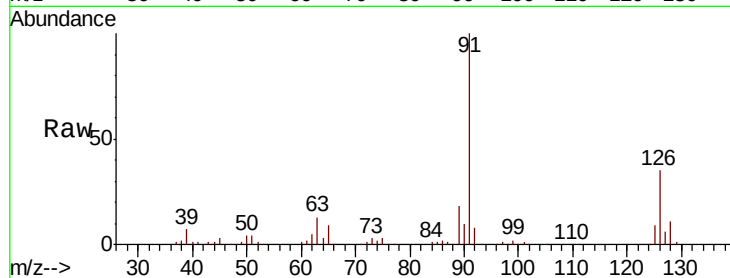
VSTDIC050

Tot Ion: 91 Resp: 550729

Ion Ratio Lower Upper

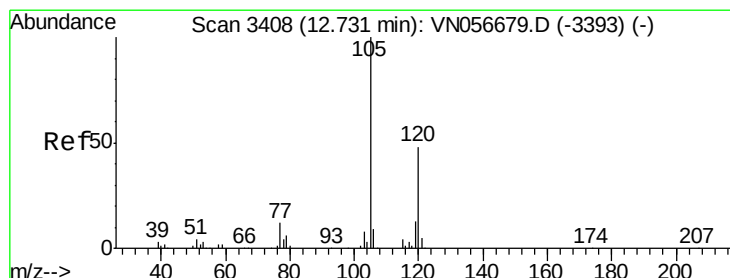
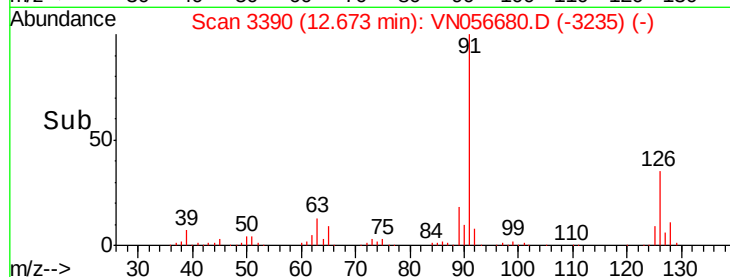
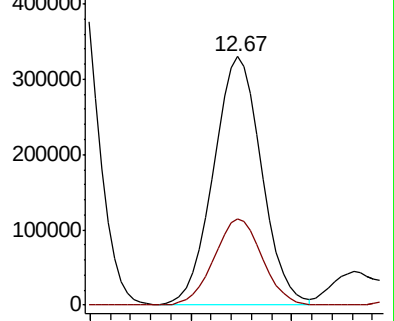
91 100

126 34.9 0.0 69.8



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

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



#76

1,3,5-Trimethylbenzene

Concen: 51.326 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056680.D

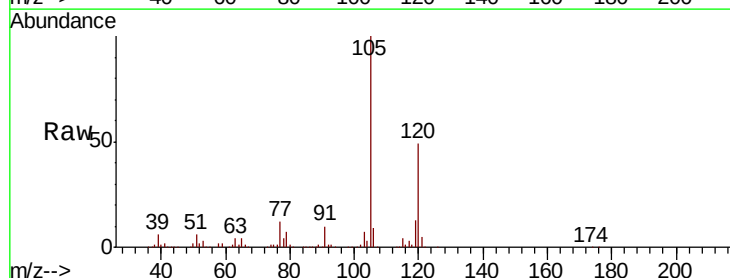
Acq: 12 Jul 2019 10:59

Tgt Ion: 105 Resp: 696509

Ion Ratio Lower Upper

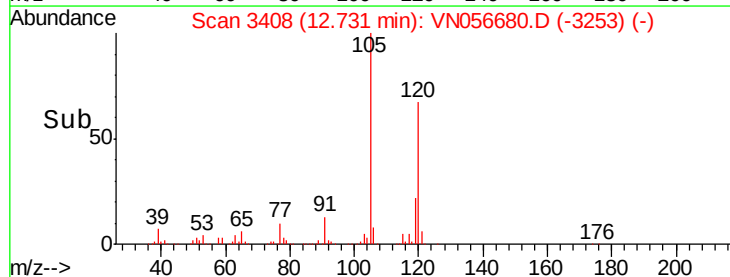
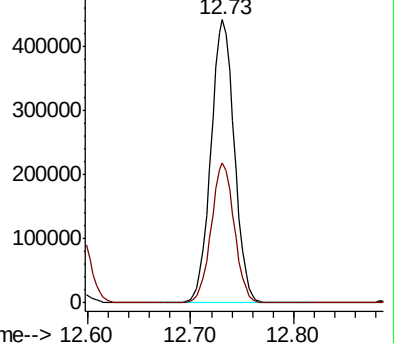
105 100

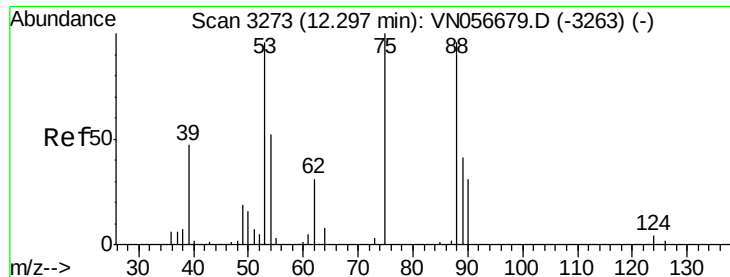
120 48.8 0.0 97.6



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

Ion 120.00 (119.70 to 120.70): VN056679.D (-3393) (-)

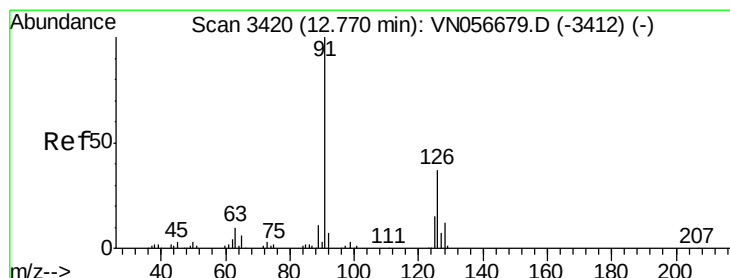
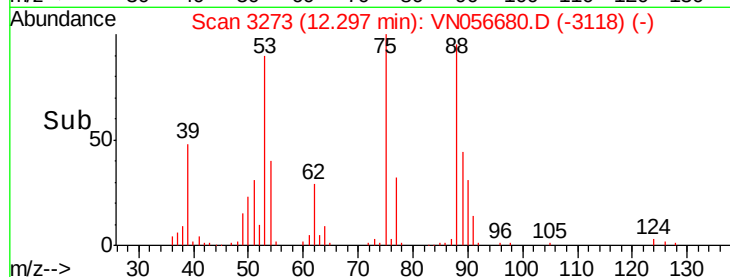
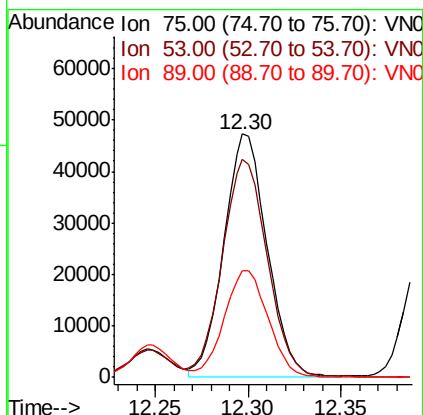
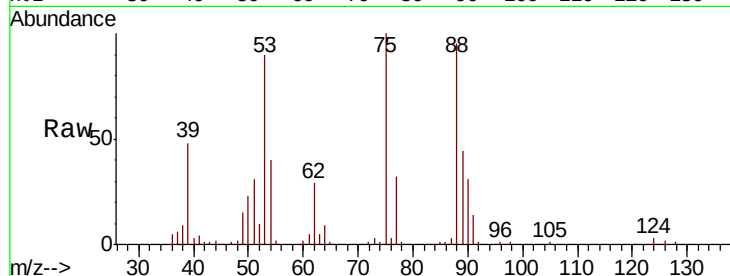




#77
 t-1,4-Dichloro-2-butene
 Concen: 53.925 ug/l
 RT: 12.30 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

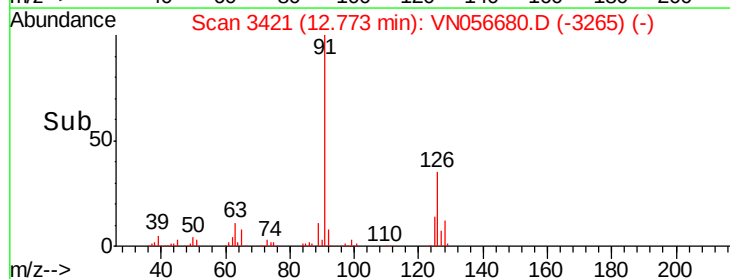
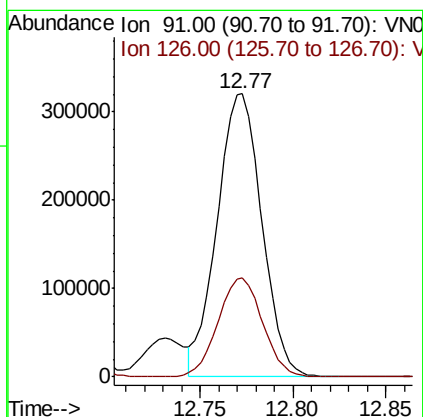
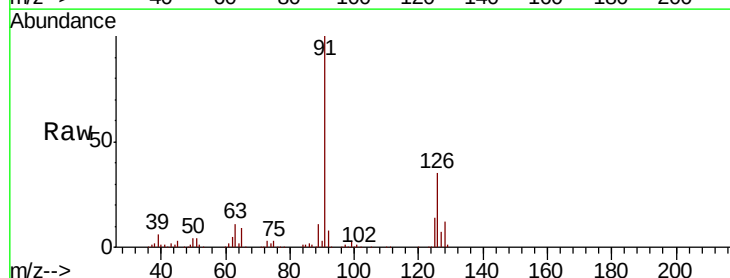
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

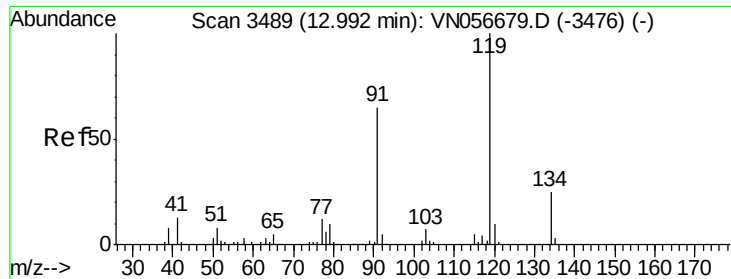
Tot Ion: 75 Resp: 77056
 Ion Ratio Lower Upper
 75 100
 53 89.3 48.6 145.8
 89 43.7 21.3 64.0



#78
 4-Chlorotoluene
 Concen: 50.874 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. 0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 91 Resp: 534603
 Ion Ratio Lower Upper
 91 100
 126 34.9 0.0 69.4

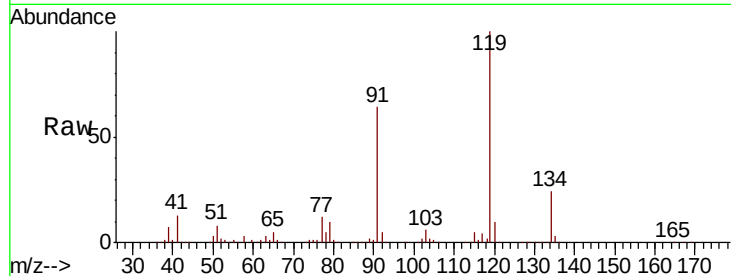




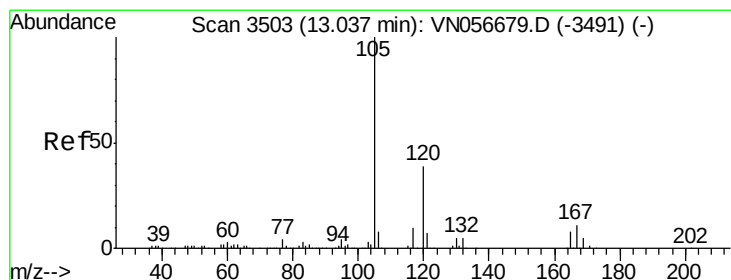
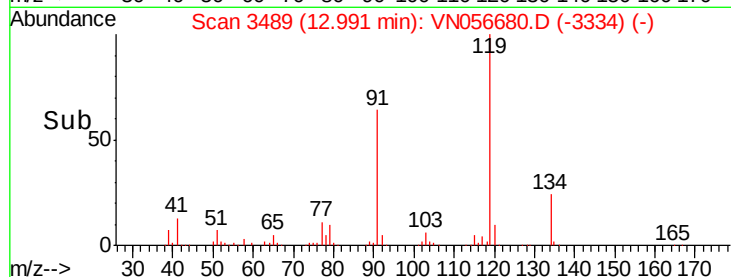
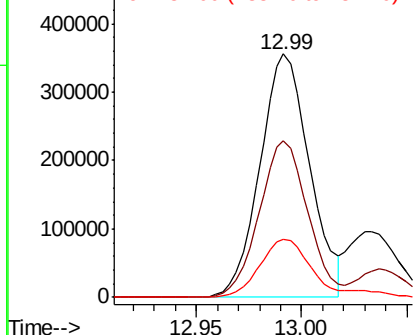
#79
tert-butylbenzene
Concen: 50.581 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:119 Resp: 584460
Ion Ratio Lower Upper
119 100
91 63.0 0.0 125.4
134 24.1 0.0 48.4

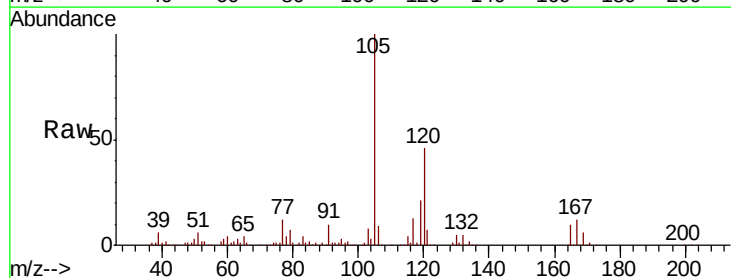


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

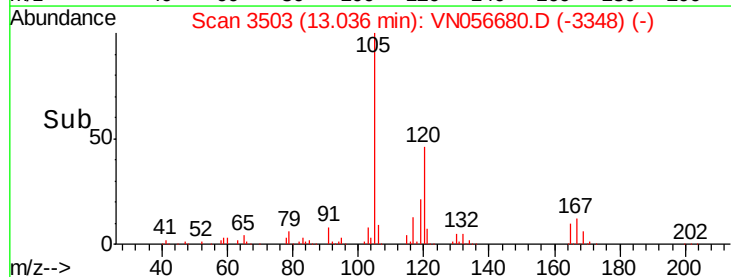
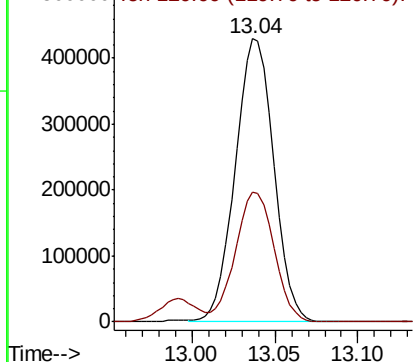


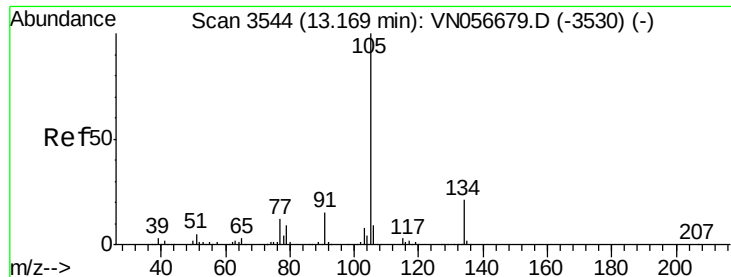
#80
1,2,4-Trimethylbenzene
Concen: 51.667 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion:105 Resp: 692731
Ion Ratio Lower Upper
105 100
120 45.9 0.0 91.2



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





#81

sec-Butylbenzene

Concen: 50.391 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

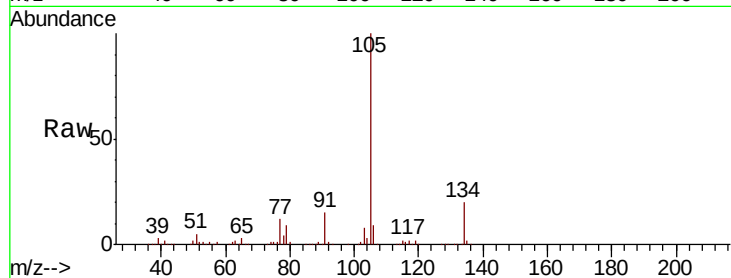
VSTDIC050

Tot Ion:105 Resp: 773090

Ion Ratio Lower Upper

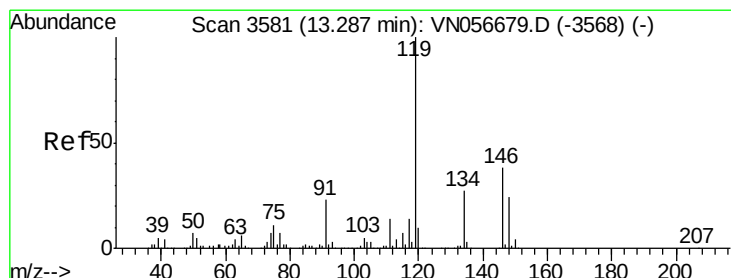
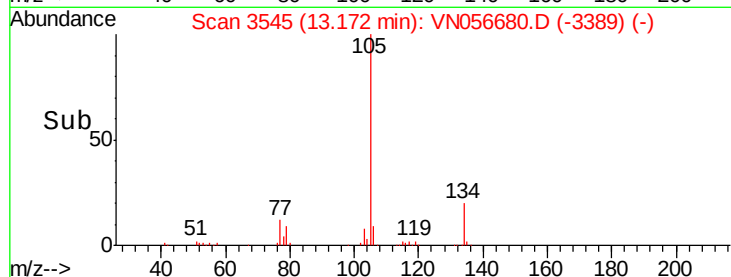
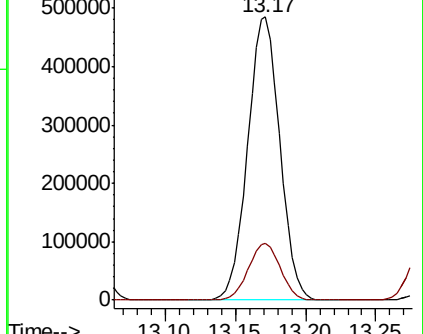
105 100

134 20.0 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: 51.379 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

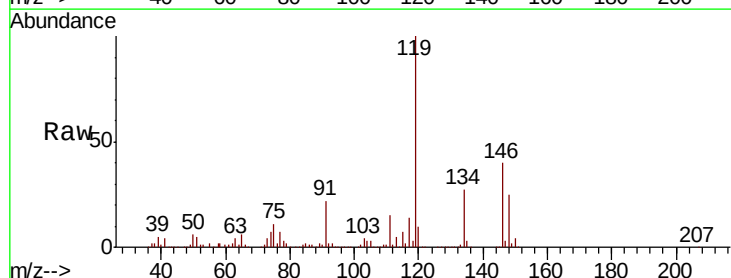
Tgt Ion:119 Resp: 711988

Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.8

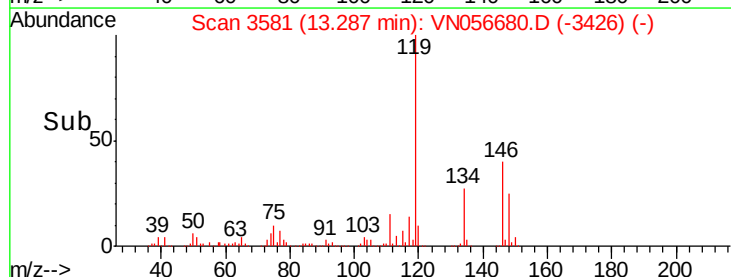
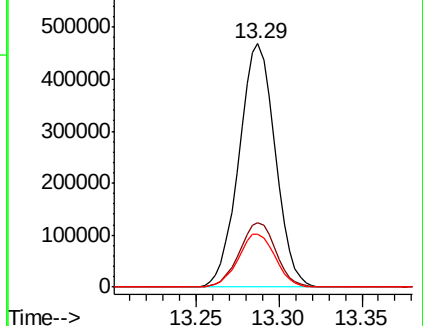
91 22.3 0.0 45.4

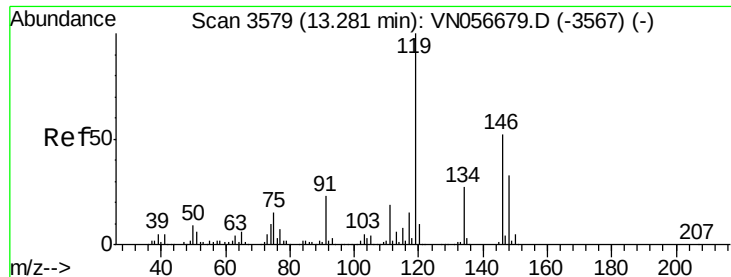


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

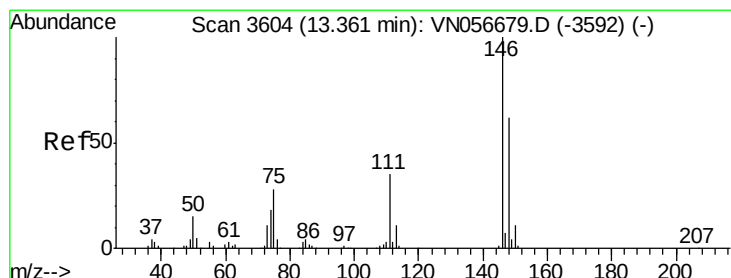
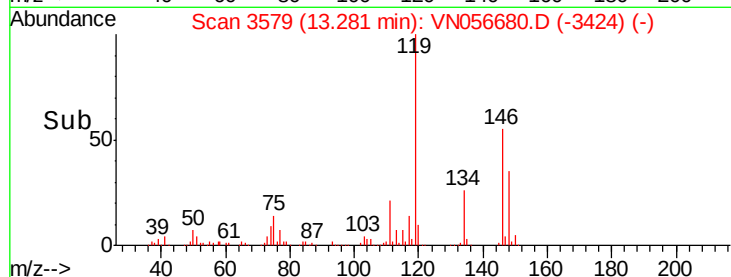
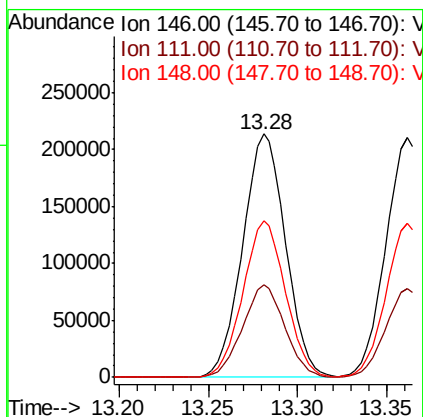
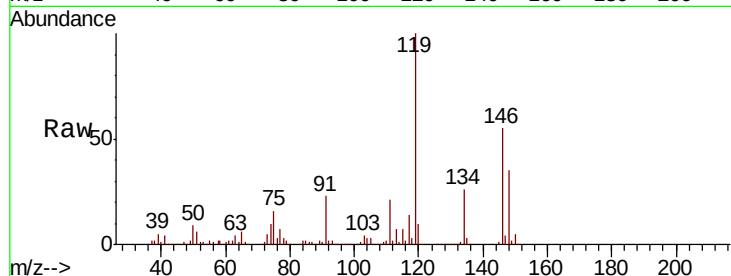




#83
 1,3-Dichlorobenzene
 Concen: 52.385 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

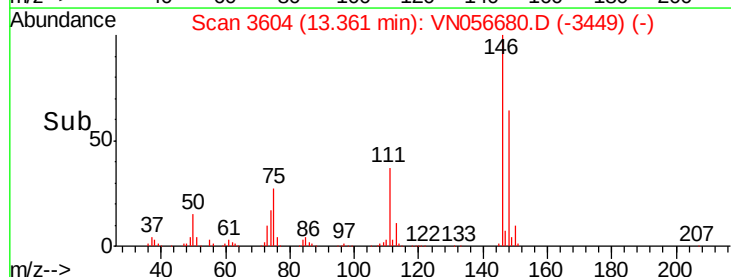
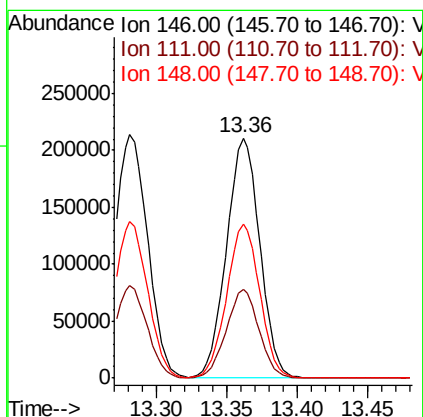
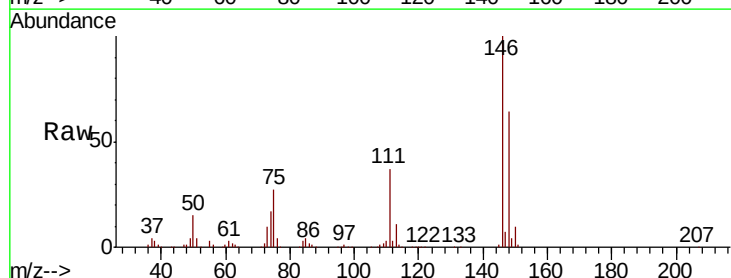
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

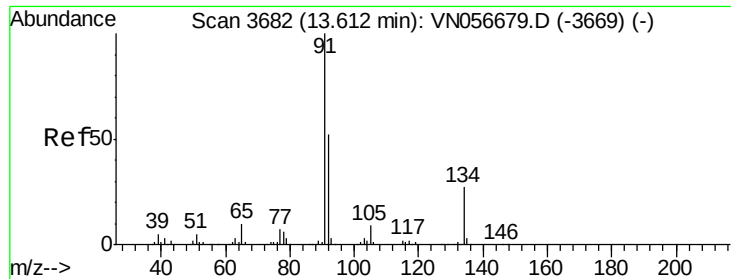
Tot Ion:146 Resp: 359021
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.7 56.1
 148 63.7 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 52.911 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion:146 Resp: 349023
 Ion Ratio Lower Upper
 146 100
 111 36.3 17.8 53.4
 148 63.7 31.9 95.5





#85

n-Butylbenzene

Concen: 51.714 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

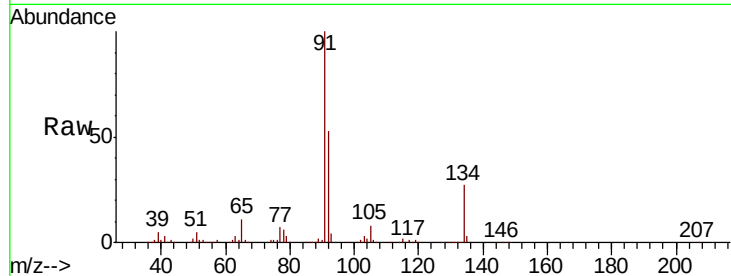
Tot Ion: 91 Resp: 599750

Ion Ratio Lower Upper

91 100

92 52.4 0.0 104.0

134 26.4 0.0 53.2

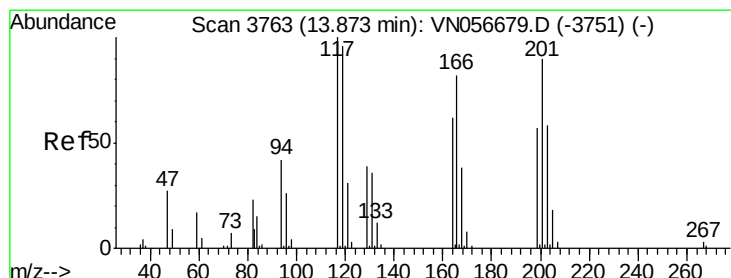
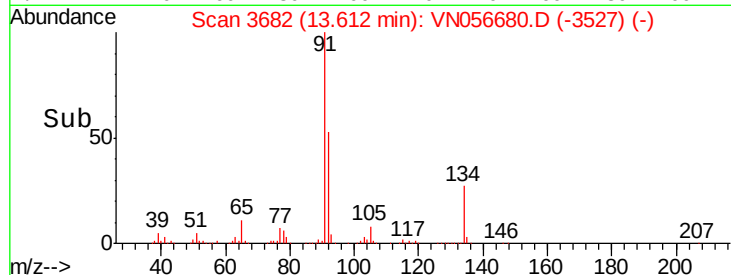
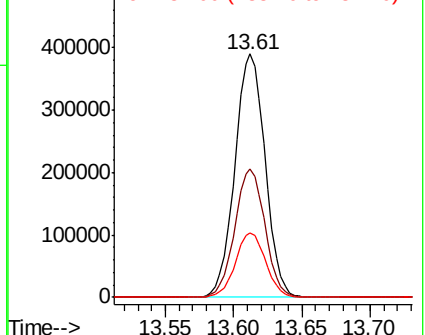


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#86

Hexachloroethane

Concen: 52.579 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056680.D

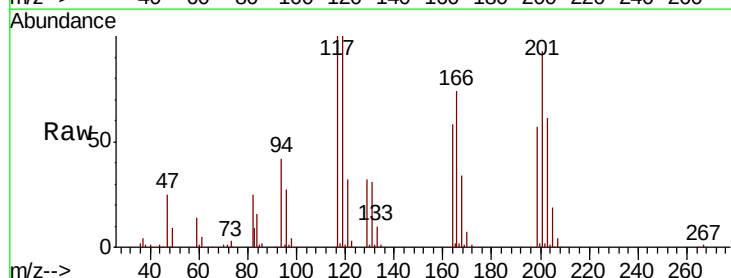
Acq: 12 Jul 2019 10:59

Tgt Ion: 117 Resp: 110818

Ion Ratio Lower Upper

117 100

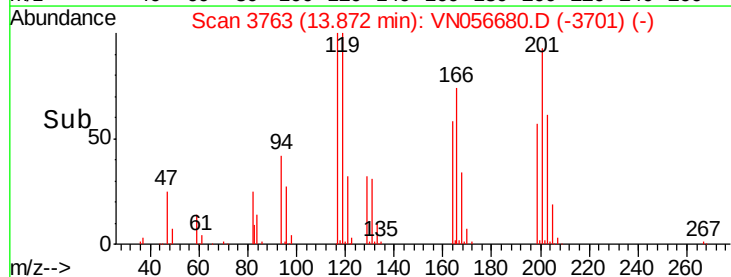
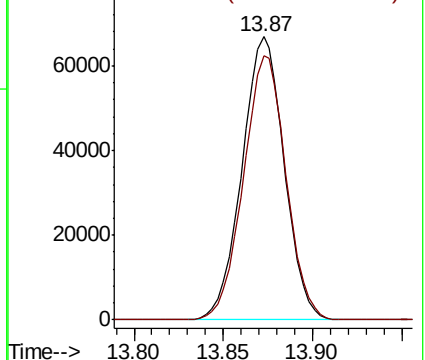
201 93.7 45.6 136.7

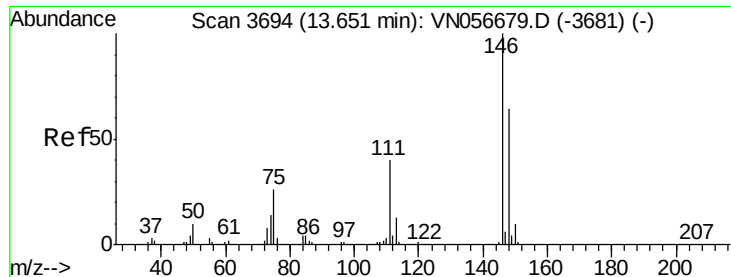


Abundance

Ion 117.00 (116.70 to 117.70): VN0

Ion 201.00 (200.70 to 201.70): VN0

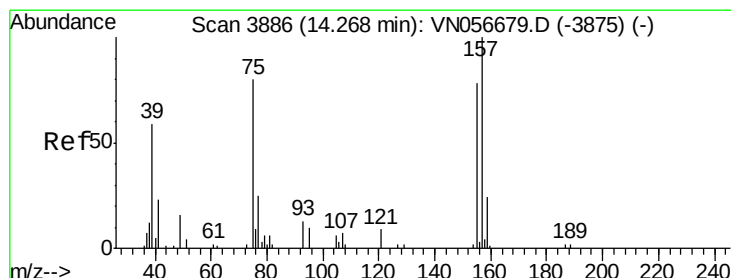
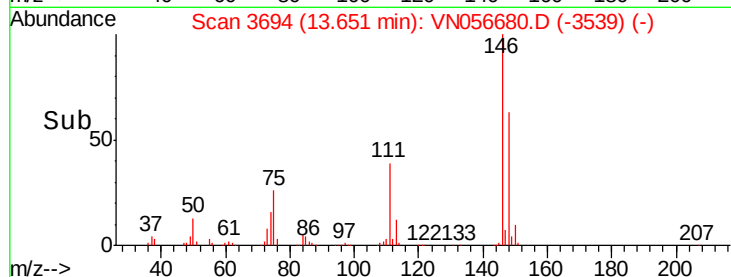
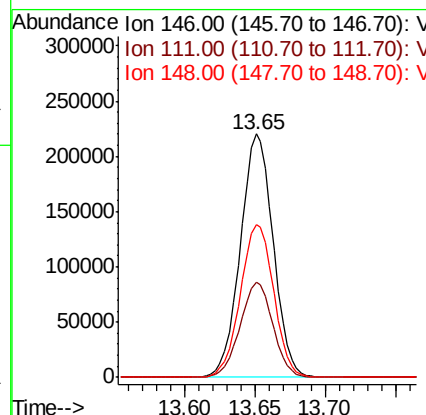
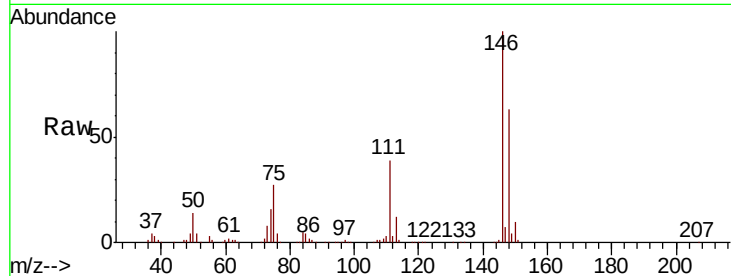




#87
 1,2-Dichlorobenzene
 Concen: 51.956 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

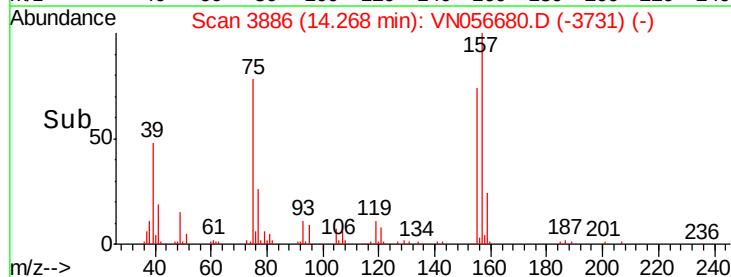
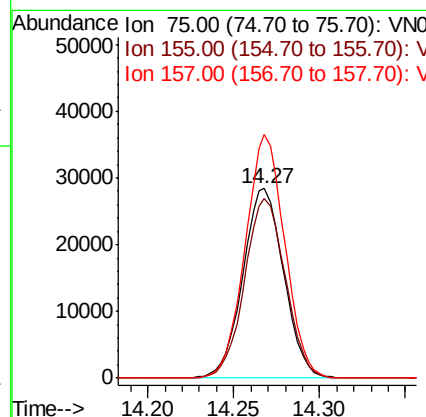
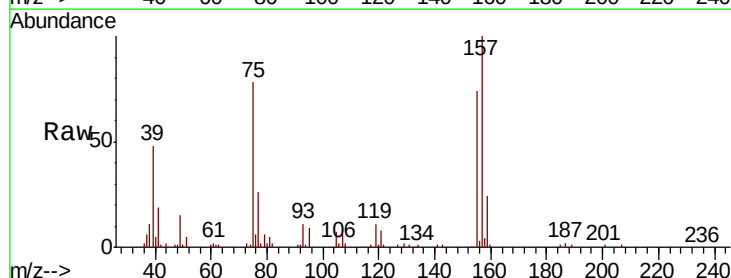
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

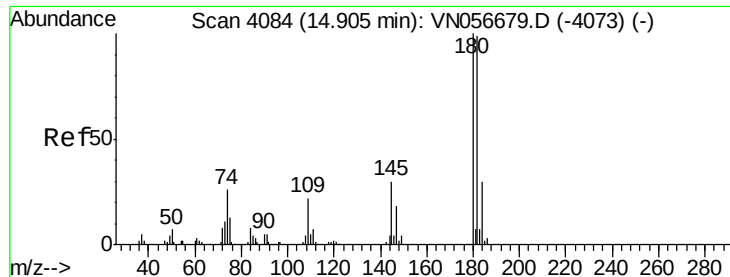
Tot Ion:146 Resp: 358817
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.7 59.0
 148 63.9 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 50.252 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 75 Resp: 46888
 Ion Ratio Lower Upper
 75 100
 155 94.4 78.6 117.8
 157 123.9 99.3 148.9

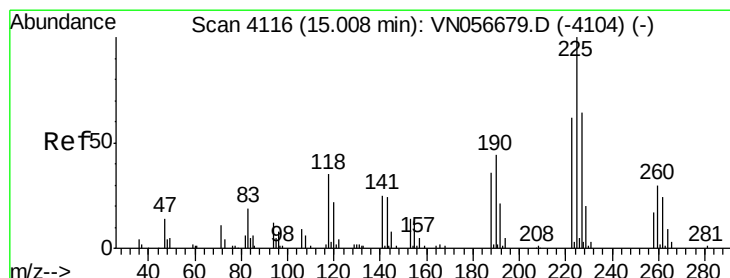
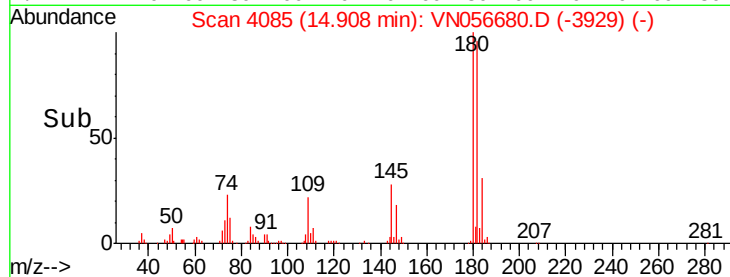
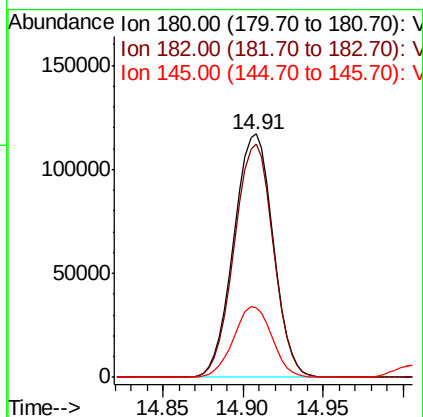
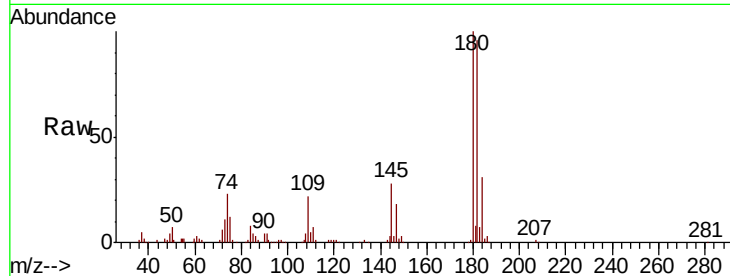




#89
 1,2,4-Trichlorobenzene
 Concen: 51.634 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

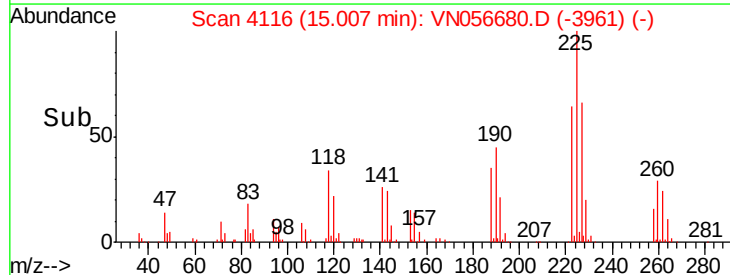
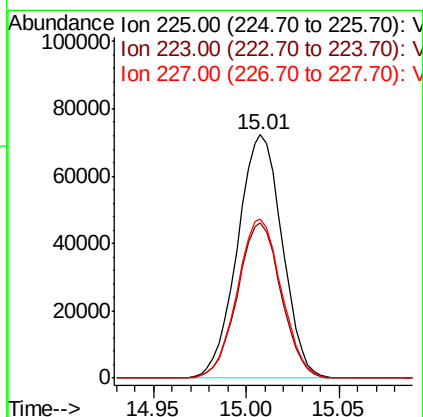
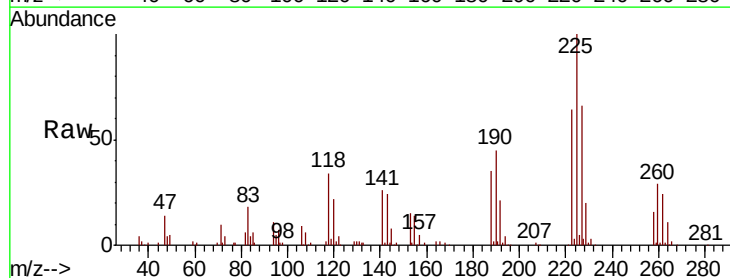
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

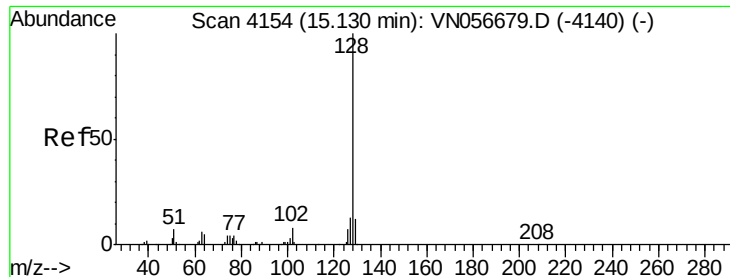
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	78.2	117.4
145	28.3	23.2	34.8



#90
 Hexachlorobutadiene
 Concen: 50.415 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	124.6
227	64.6	0.0	128.6





#91

Naphthalene

Concen: 50.466 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

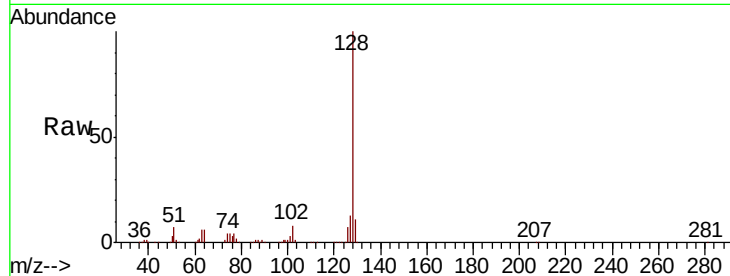
Tot Ion:128 Resp: 529041

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

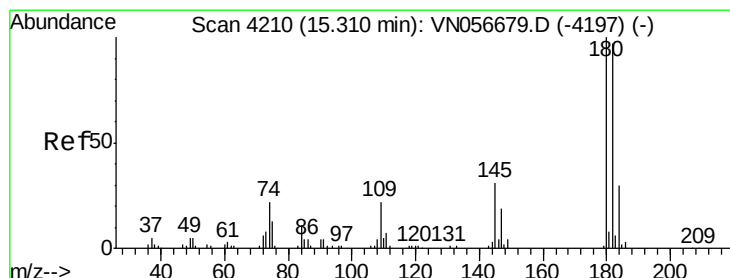
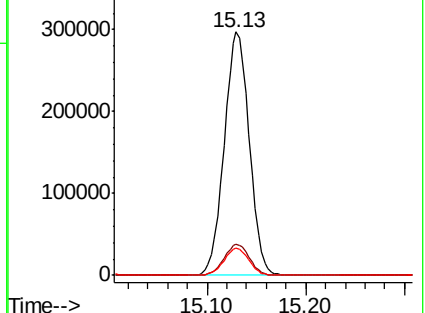
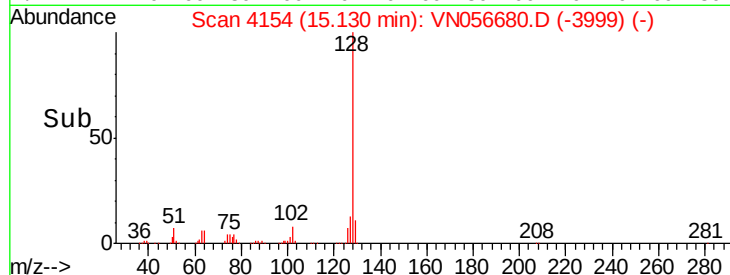
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 49.700 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

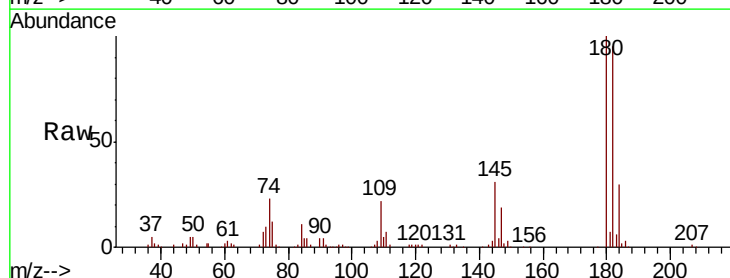
Tgt Ion:180 Resp: 198100

Ion Ratio Lower Upper

180 100

182 95.7 0.0 192.4

145 30.5 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

