

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056088.D
 Acq On : 7 Jun 2019 10:10
 Operator : JC/SP
 Sample : VN0608WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Quant Time: Jun 08 05:05:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	51825	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	277448	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	239972	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	97526	30.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.00%
60) 4-Bromofluorobenzene	12.40	95	104002	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	10.09	98	333753	30.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	62107	21.307	ug/l 97
3) Chloromethane	2.06	50	71279	20.930	ug/l 98
4) Vinyl Chloride	2.18	62	71086	20.472	ug/l 97
5) Bromomethane	2.54	94	48863	22.391	ug/l 99
6) Chloroethane	2.69	64	41305	21.031	ug/l 97
7) Trichlorofluoromethane	3.01	101	86739	20.190	ug/l 96
8) Diethyl Ether	3.40	74	36069	19.795	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	54324	20.484	ug/l 99
10) 1,1-Dichloroethene	3.72	96	54242	20.051	ug/l 99
11) Methyl Iodide	3.94	142	72575	17.004	ug/l 98
12) Methyl Acetate	4.33	43	63277	19.465	ug/l 98
13) Acrolein	3.60	56	18157	114.593	ug/l 98
14) Acrylonitrile	4.99	53	144747	99.845	ug/l 99
15) Acetone	3.82	58	49325	103.913	ug/l 99
16) Carbon Disulfide	4.04	76	115933	18.011	ug/l 100
17) Allyl chloride	4.31	41	82171	19.604	ug/l 98
18) Methylene Chloride	4.54	84	64155	20.485	ug/l 98
19) trans-1,2-Dichloroethene	5.03	96	57612	19.951	ug/l 98
20) Diisopropyl ether	5.96	45	176839	20.363	ug/l 97
21) 1,1-Dichloroethane	5.84	63	102511	20.312	ug/l 98
22) cis-1,2-Dichloroethene	6.82	96	68055	20.192	ug/l 98
23) tert-Butyl Alcohol	4.81	59	48437	85.838	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	170562	19.783	ug/l 100
25) Chloroform	7.37	83	104302	20.697	ug/l 98
26) Cyclohexane	7.65	56	94502	20.183	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	77859	20.746	ug/l 98
30) 2-Butanone	6.84	43	202223	102.353	ug/l 99
31) 2,2-Dichloropropane	6.82	77	71153	20.380	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	82115	19.804	ug/l 99
33) Carbon Tetrachloride	7.77	117	67344	19.170	ug/l 98
34) Benzene	8.04	78	245721	20.549	ug/l 100
35) Methacrylonitrile	7.17	41	34975	20.963	ug/l 93
36) 1,2-Dichloroethane	8.12	62	77427	20.672	ug/l 98
37) Trichloroethene	8.83	130	67928	20.301	ug/l 100
38) Methylcyclohexane	9.08	83	95301	20.030	ug/l 99
39) 1,2-Dichloropropane	9.12	63	62683	20.468	ug/l 96
40) Dibromomethane	9.21	93	41632	20.502	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	69945	19.236	ug/l	99
42) Vinyl Acetate	5.90	43	709144	100.676	ug/l	99
43) Ethyl Acetate	6.93	43	80222	21.216	ug/l	93
44) Isopropyl Acetate	8.17	43	113504	19.333	ug/l	100
45) 1,4-Dioxane	9.20	88	24297	386.869	ug/l	92
46) Methyl methacrylate	9.20	41	55807	19.134	ug/l	97
47) n-amyl Acetate	12.07	43	89880	18.512	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	70436	18.407	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	85029	18.976	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	60437	20.038	ug/l	97
51) Ethyl methacrylate	10.43	69	87186	19.107	ug/l	98
52) 1,3-Dichloropropane	10.71	76	99811	20.413	ug/l	99
53) Dibromochloromethane	10.90	129	53910	18.260	ug/l	99
54) 1,2-Dibromoethane	11.00	107	62626	19.899	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	146302	91.539	ug/l	99
56) Bromoform	12.13	173	36119	16.911	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	372055	102.388	ug/l	99
59) 2-Hexanone	10.75	43	261143	100.547	ug/l	99
61) Tetrachloroethene	10.63	164	68454	20.468	ug/l	97
62) Toluene	10.16	91	266231	20.551	ug/l	99
64) Chlorobenzene	11.43	112	162619	20.695	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	55499	19.587	ug/l	100
66) Ethyl Benzene	11.51	91	279419	20.251	ug/l	99
67) m/p-Xylenes	11.62	106	211434	40.034	ug/l	98
68) o-Xylene	11.95	106	104413	20.194	ug/l	98
69) Styrene	11.96	104	165517	19.703	ug/l	100
70) Isopropylbenzene	12.25	105	277695	20.556	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	82573	20.274	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	91201	25.866	ug/l	74
73) Bromobenzene	12.53	156	71130	19.837	ug/l	98
74) n-propylbenzene	12.59	91	284740	19.973	ug/l	99
75) 2-Chlorotoluene	12.67	91	178887	20.230	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	226298	20.365	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	15682	15.588	ug/l	85
78) 4-Chlorotoluene	12.77	91	160391	19.422	ug/l	99
79) tert-butylbenzene	12.99	119	196506	19.960	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	215679	19.953	ug/l	99
81) sec-Butylbenzene	13.17	105	251107	20.163	ug/l	100
82) p-Isopropyltoluene	13.29	119	220311	19.566	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	105868	18.946	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	96729	18.173	ug/l	100
85) n-Butylbenzene	13.61	91	149348	17.772	ug/l	100
86) Hexachloroethane	13.87	117	31780	18.104	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	107435	18.915	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10604	16.586	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	40120	18.625	ug/l	97
90) Hexachlorobutadiene	15.01	225	40302	19.436	ug/l	99
91) Naphthalene	15.13	128	109833	14.560	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	48279	16.238	ug/l	99

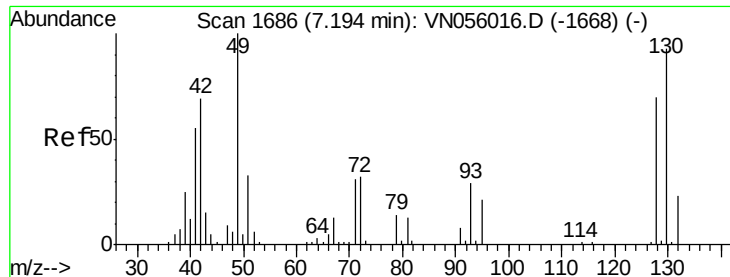
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
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QLast Update : Thu Jun 06 04:02:53 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

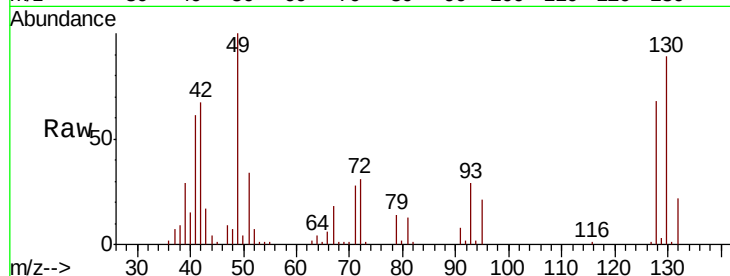
Tot Ion:128 Resp: 51825

Ion Ratio Lower Upper

128 100

49 145.3 0.0 355.8

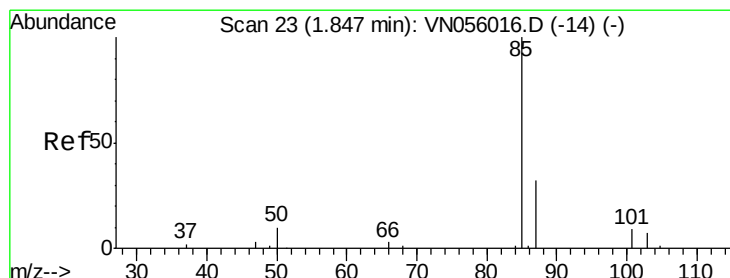
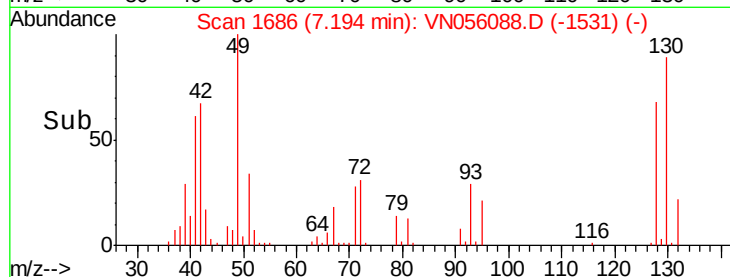
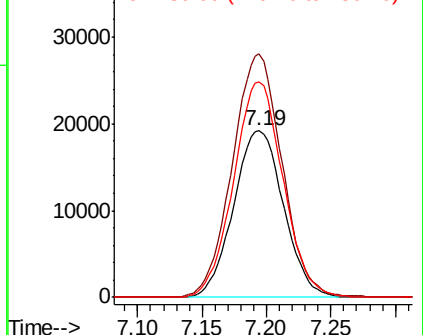
130 128.1 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.307 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056088.D

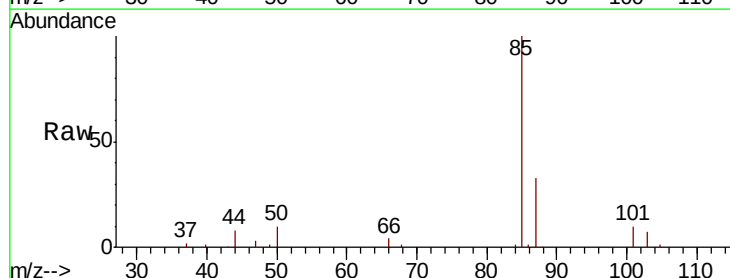
Acq: 7 Jun 2019 10:10

Tgt Ion: 85 Resp: 62107

Ion Ratio Lower Upper

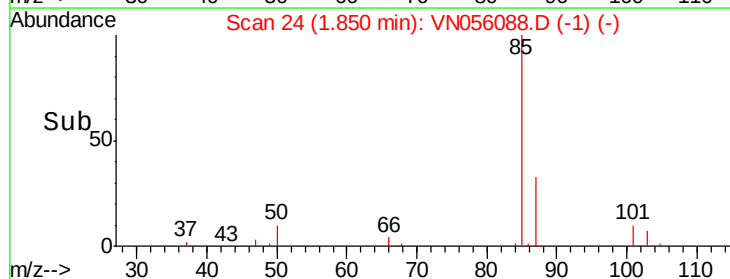
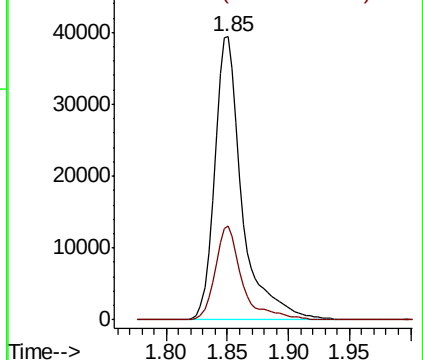
85 100

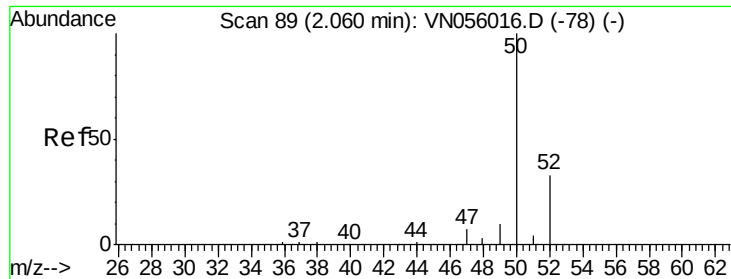
87 33.4 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.930 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampled :

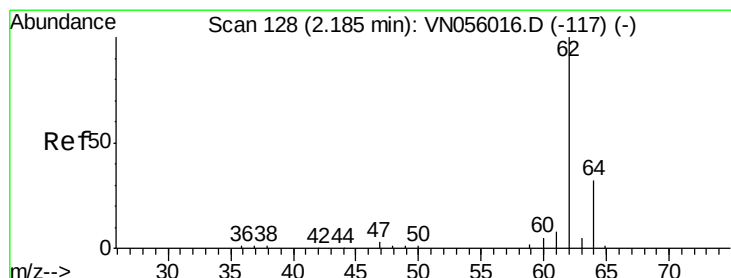
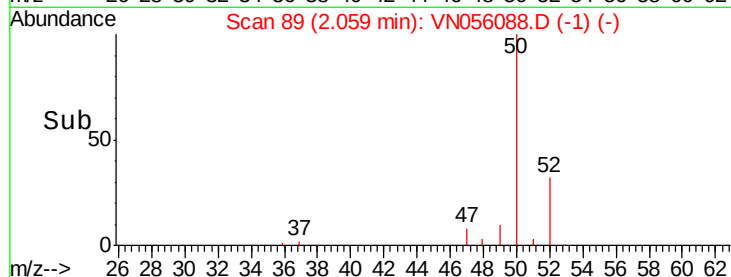
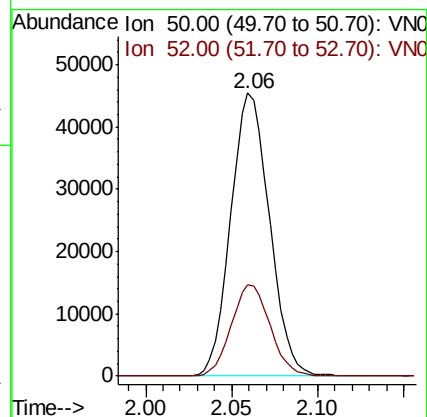
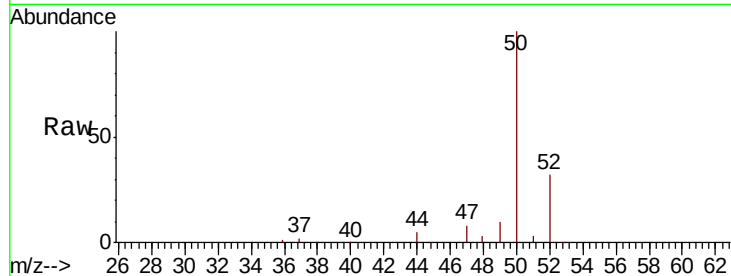
VN0608WBS01

Tot Ion: 50 Resp: 71279

Ion Ratio Lower Upper

50 100

52 32.3 26.7 40.1



#4

Vinyl Chloride

Concen: 20.472 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056088.D

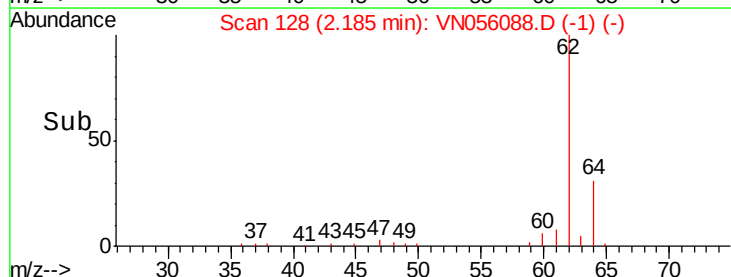
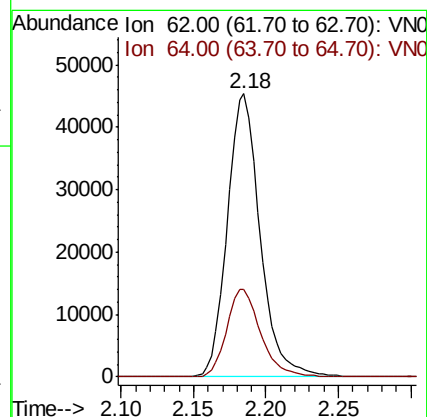
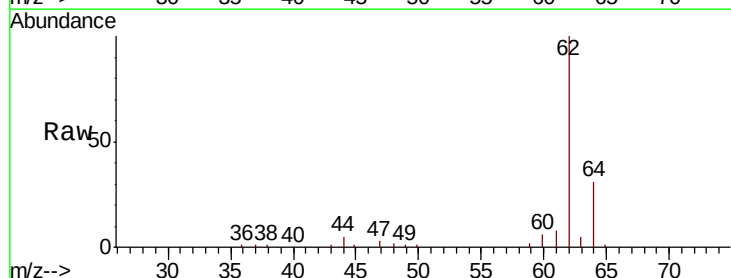
Acq: 7 Jun 2019 10:10

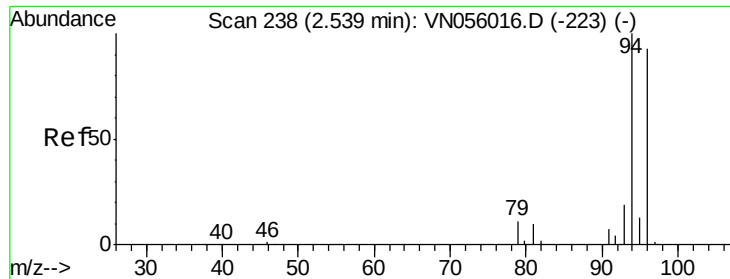
Tgt Ion: 62 Resp: 71086

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8

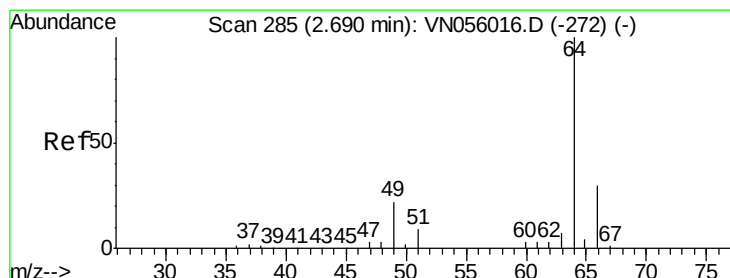
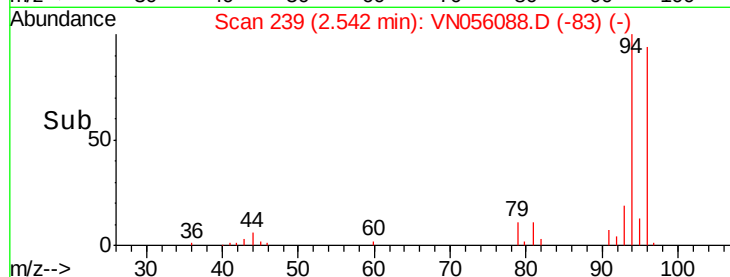
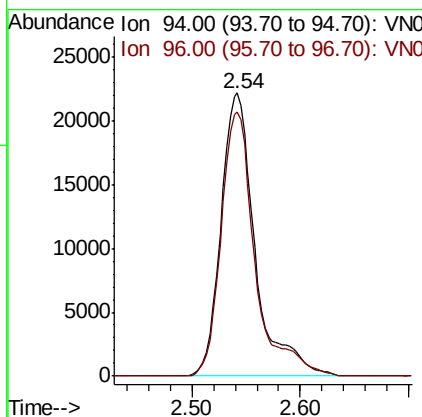
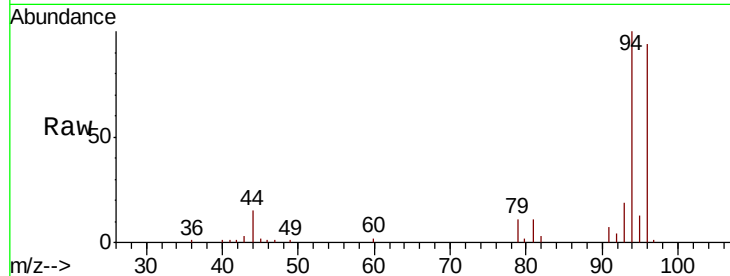




#5
Bromomethane
Concen: 22.391 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

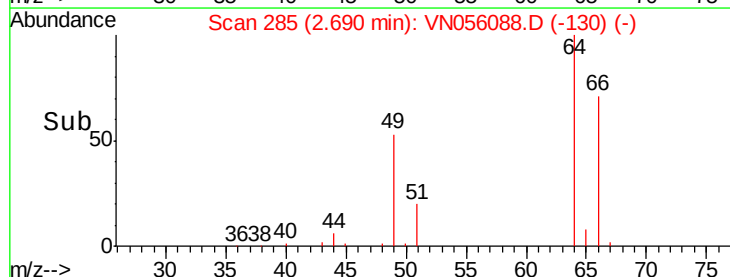
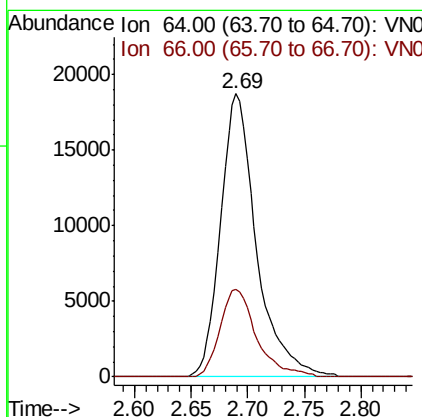
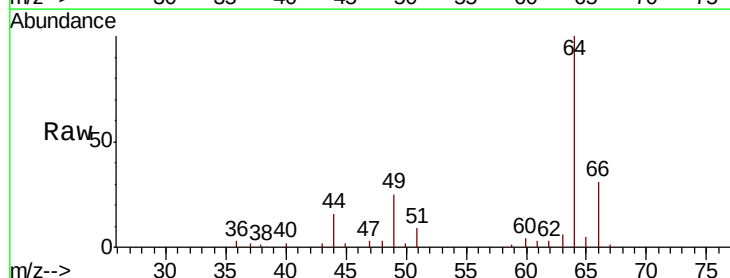
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

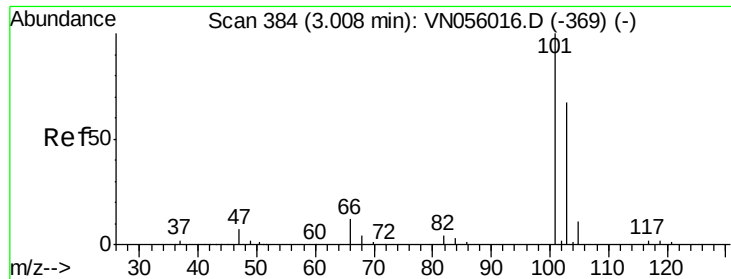
Tot Ion: 94 Resp: 48863
Ion Ratio Lower Upper
94 100
96 93.5 74.1 111.1



#6
Chloroethane
Concen: 21.031 ug/l
RT: 2.69 min Scan# 285
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 64 Resp: 41305
Ion Ratio Lower Upper
64 100
66 31.0 23.7 35.5



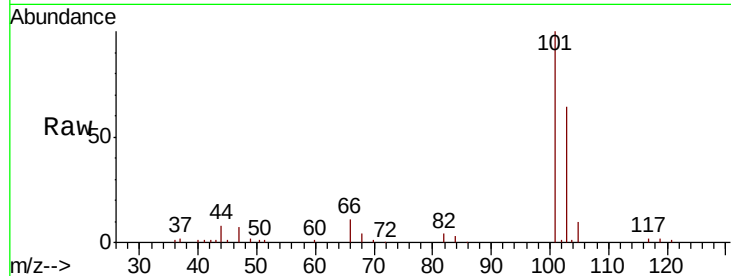


#7

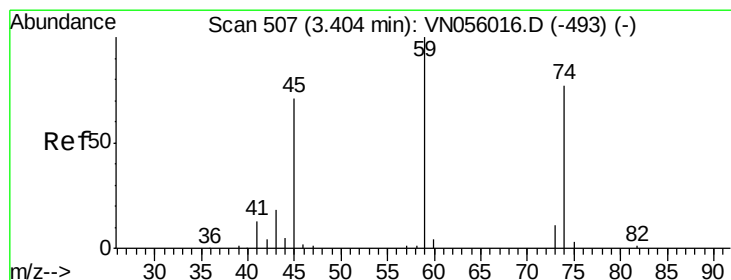
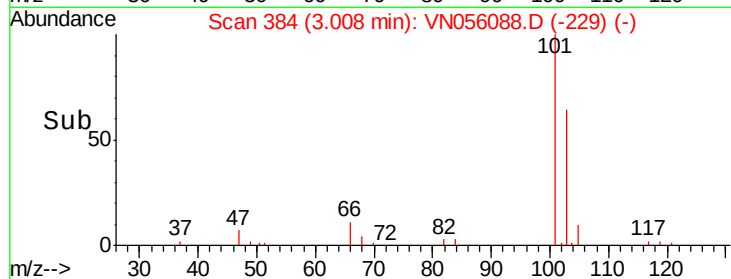
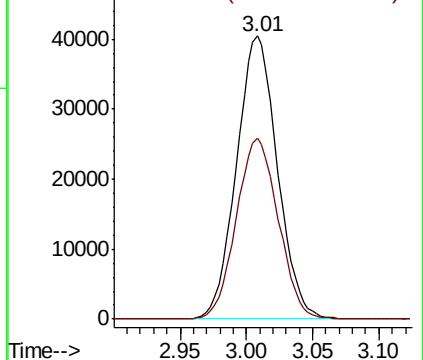
Trichlorofluoromethane
 Concen: 20.190 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion:101 Resp: 86739
 Ion Ratio Lower Upper
 101 100
 103 63.8 53.4 80.0



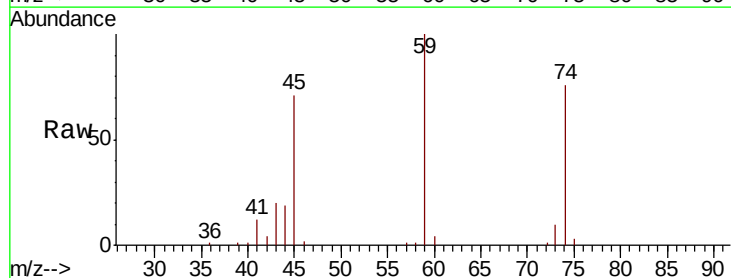
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



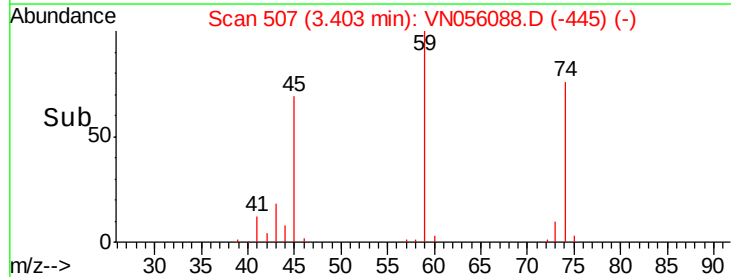
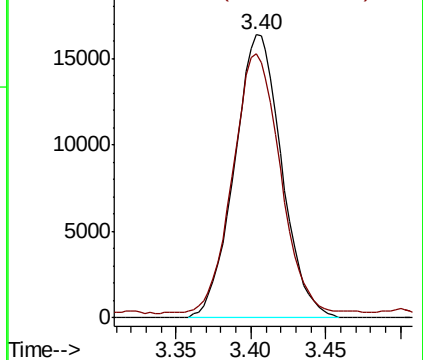
#8

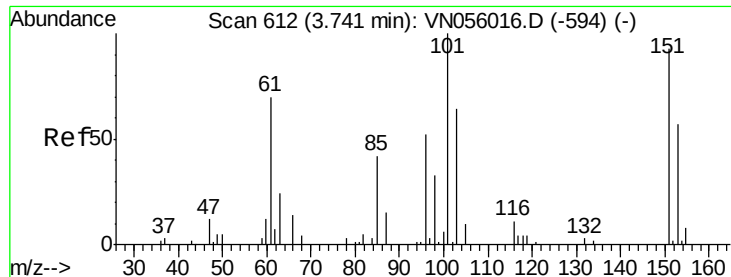
Diethyl Ether
 Concen: 19.795 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion: 74 Resp: 36069
 Ion Ratio Lower Upper
 74 100
 45 91.4 18.8 169.6



Abundance Ion 74.00 (73.70 to 74.70): VN0
 Ion 45.00 (44.70 to 45.70): VN0

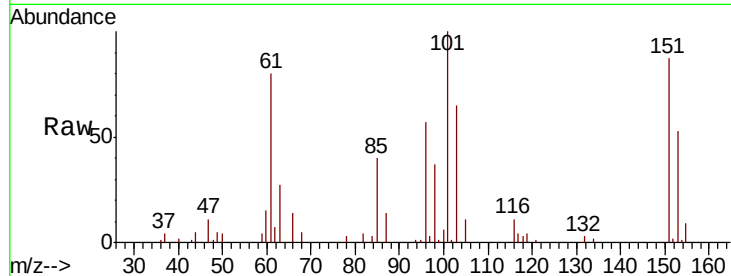




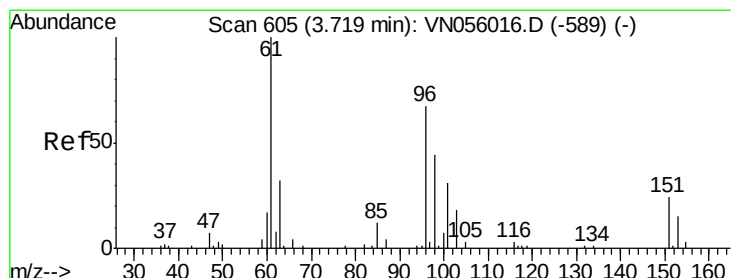
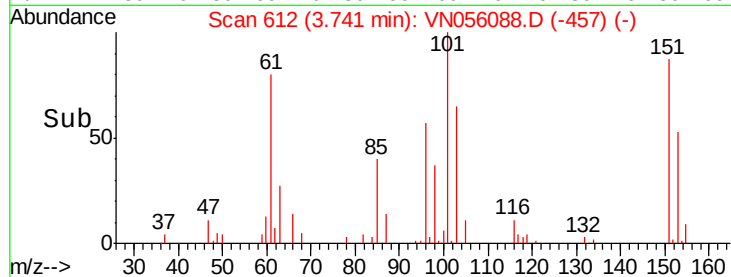
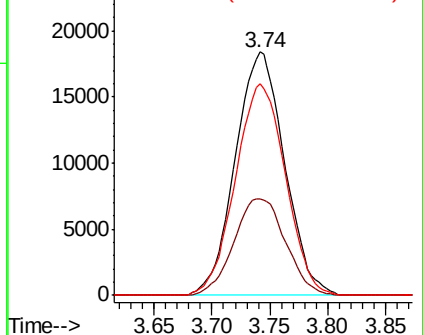
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.484 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion:101 Resp: 54324
 Ion Ratio Lower Upper
 101 100
 85 41.5 0.0 82.0
 151 88.1 0.0 177.0

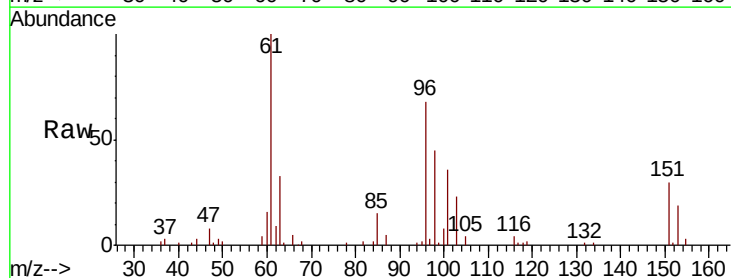


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

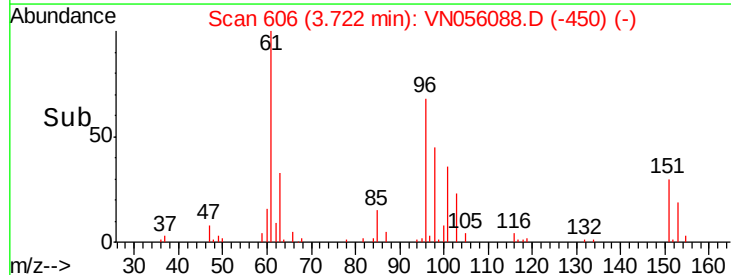
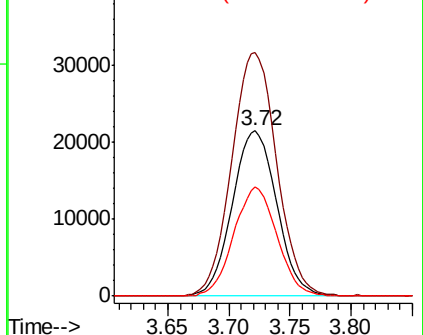


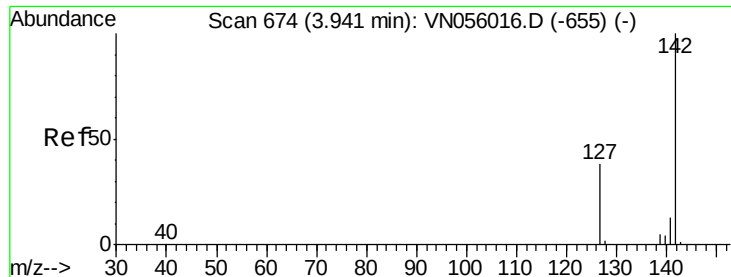
#10
 1,1-Dichloroethene
 Concen: 20.051 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion: 96 Resp: 54242
 Ion Ratio Lower Upper
 96 100
 61 147.6 119.7 179.5
 98 66.4 52.3 78.5



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

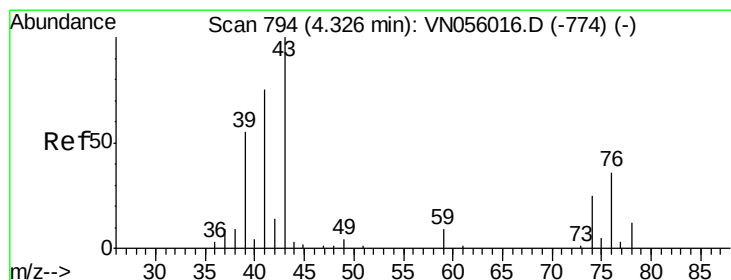
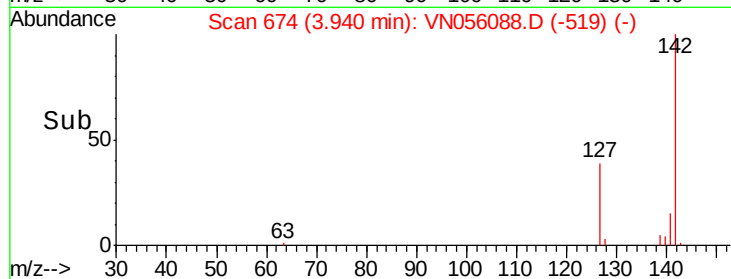
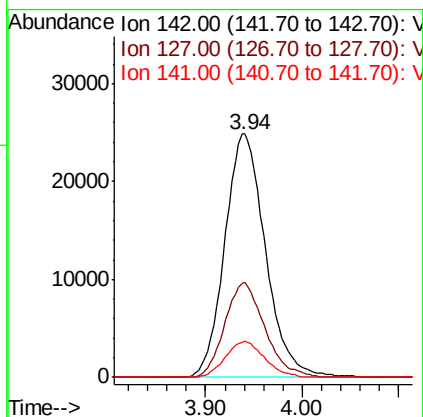
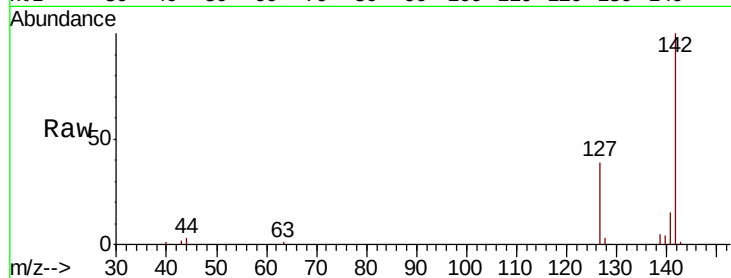




#11
Methyl Iodide
Concen: 17.004 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

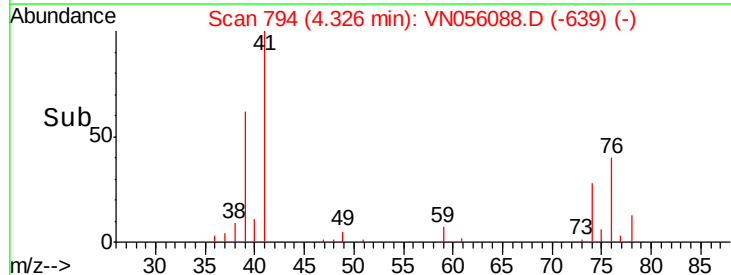
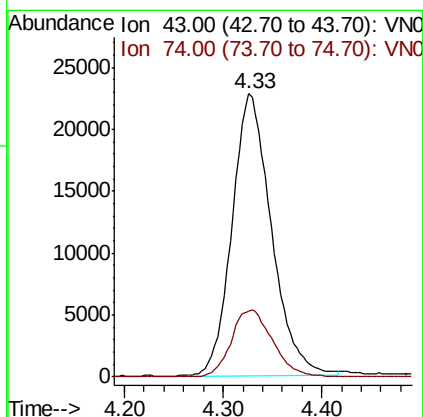
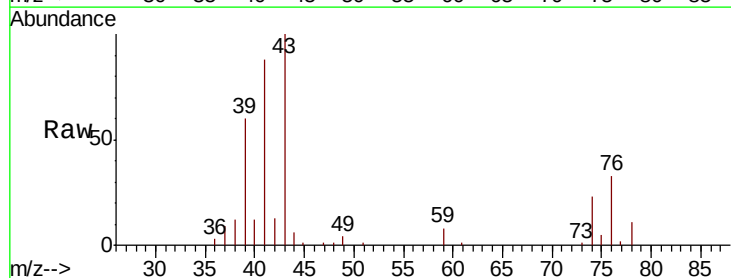
Instrument :
MSVOA_N
ClientSampled :
VN0608WBS01

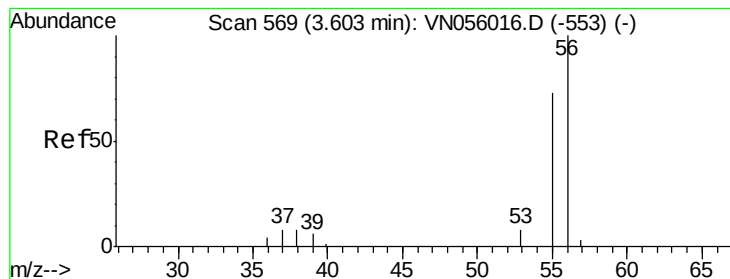
Tot Ion:142 Resp: 72575
Ion Ratio Lower Upper
142 100
127 39.0 19.0 57.0
141 14.9 6.7 20.0



#12
Methyl Acetate
Concen: 19.465 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 43 Resp: 63277
Ion Ratio Lower Upper
43 100
74 23.8 19.9 29.9





#13

Acrolein

Concen: 114.593 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

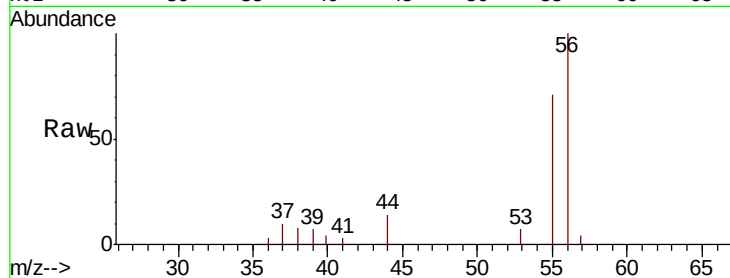
VN0608WBS01

Tot Ion: 56 Resp: 18157

Ion Ratio Lower Upper

56 100

55 70.3 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

8000

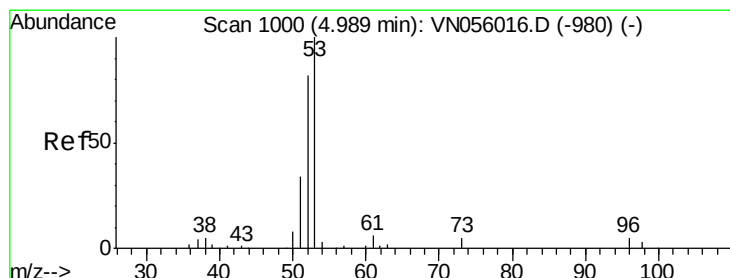
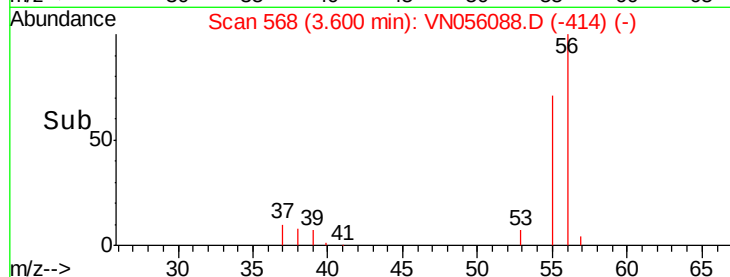
6000

4000

2000

0

Time--> 3.50 3.55 3.60 3.65



#14

Acrylonitrile

Concen: 99.845 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

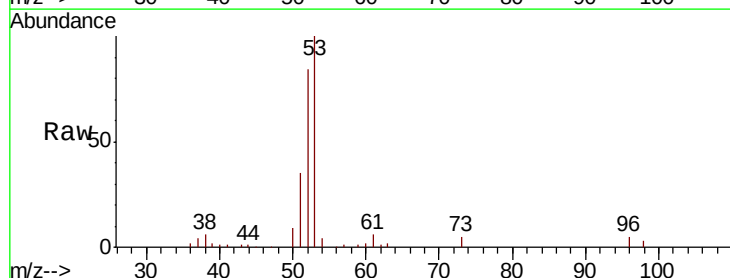
Tgt Ion: 53 Resp: 144747

Ion Ratio Lower Upper

53 100

52 82.2 40.8 122.2

51 36.0 17.3 52.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.99

50000

40000

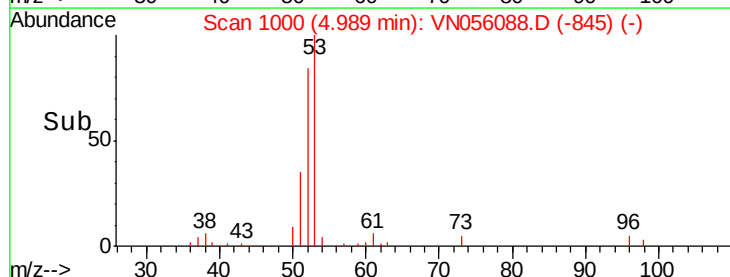
30000

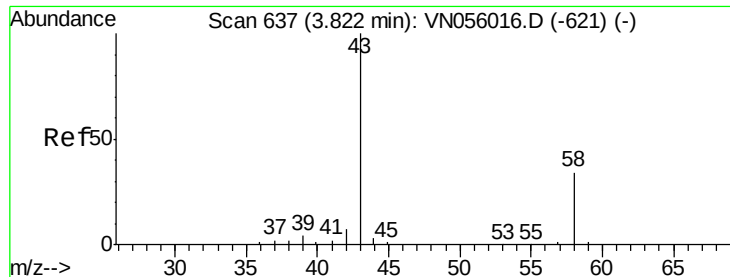
20000

10000

0

Time--> 4.90 5.00 5.10





#15

Acetone

Concen: 103.913 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

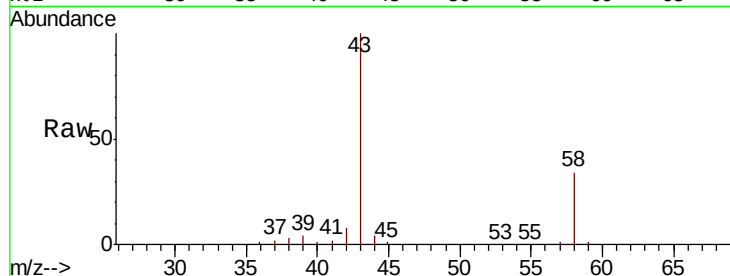
VN0608WBS01

Tot Ion: 58 Resp: 49325

Ion Ratio Lower Upper

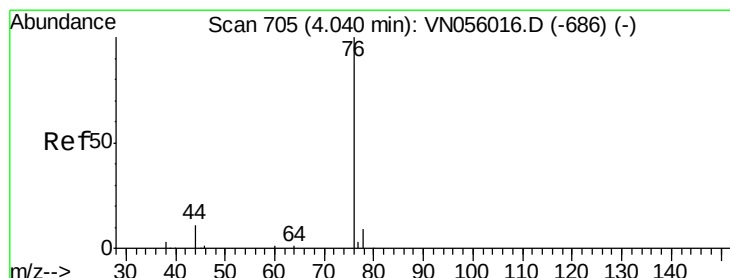
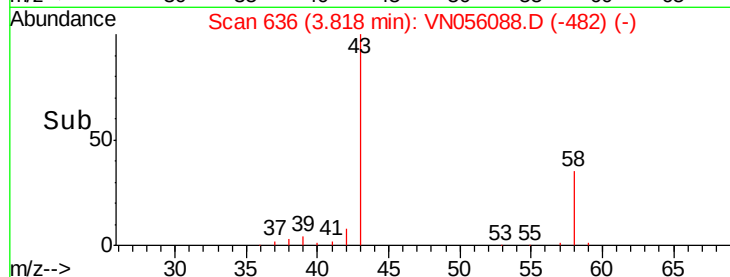
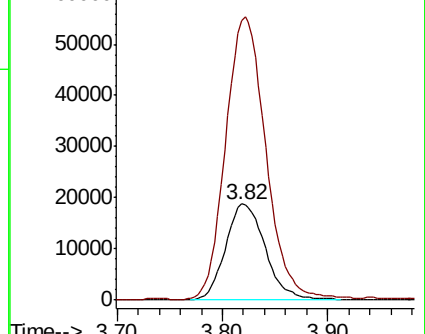
58 100

43 289.5 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.011 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056088.D

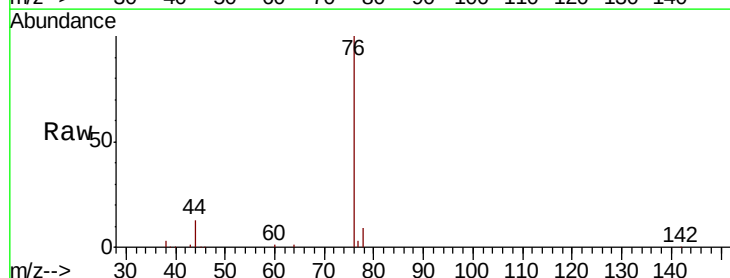
Acq: 7 Jun 2019 10:10

Tgt Ion: 76 Resp: 115933

Ion Ratio Lower Upper

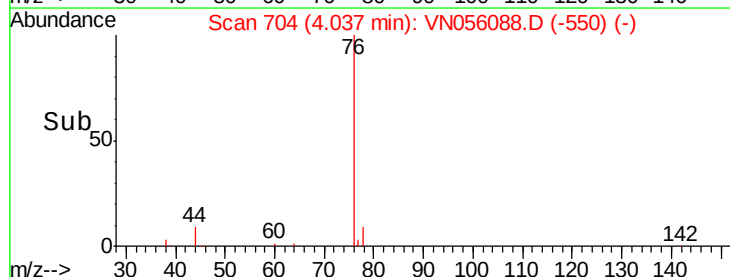
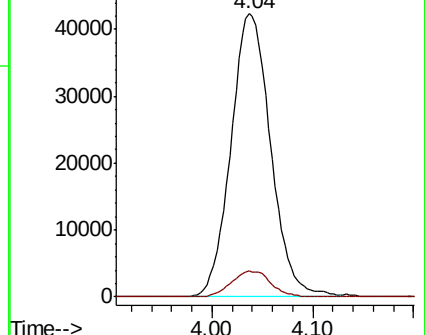
76 100

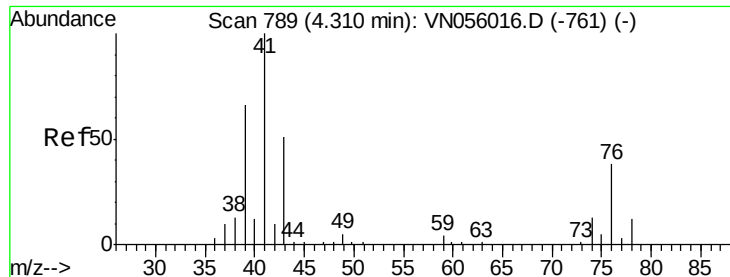
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

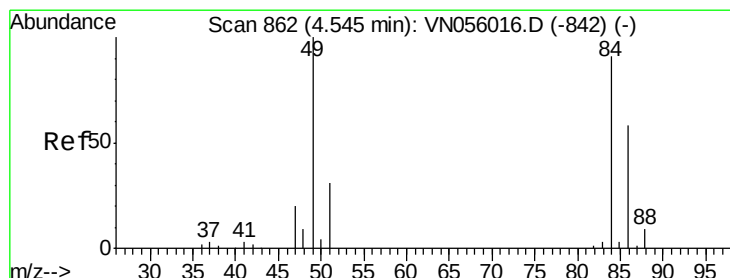
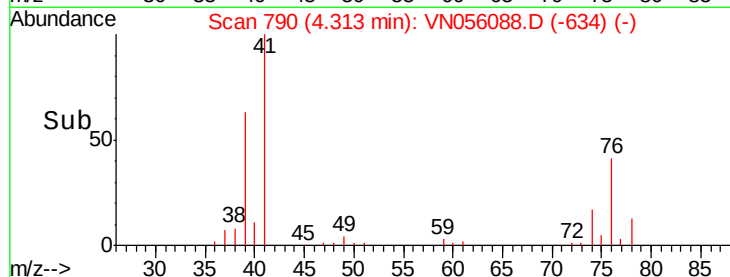
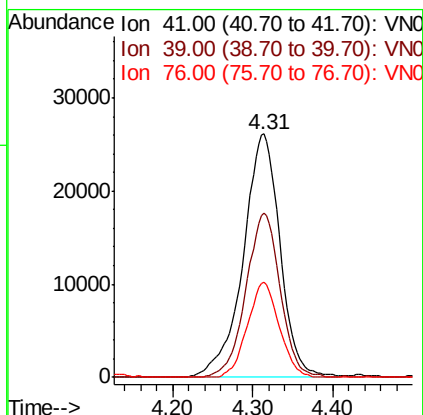
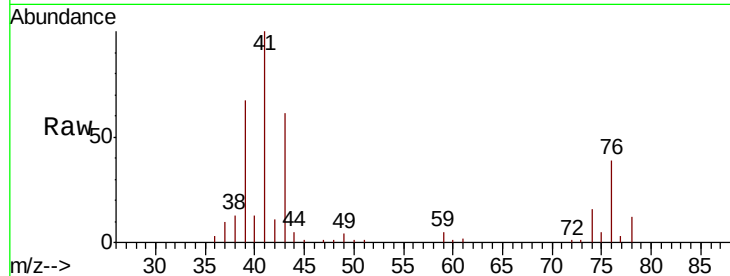




#17
Allvl chloride
Concen: 19.604 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

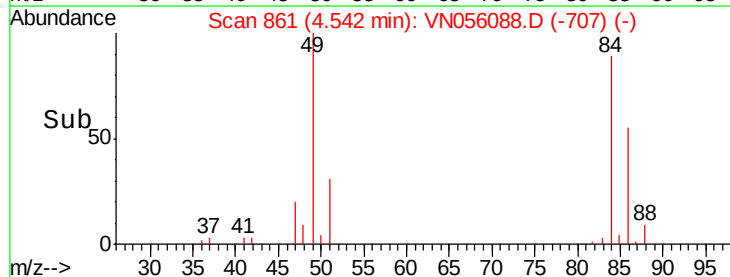
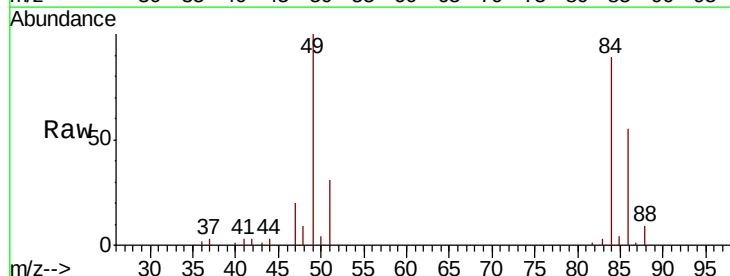
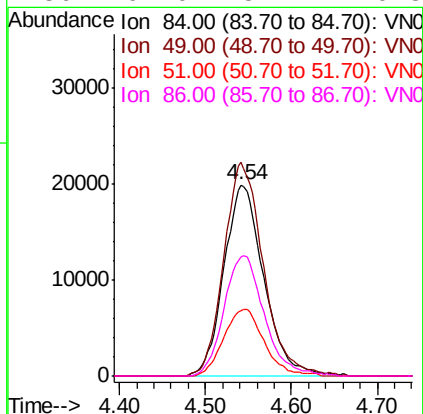
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

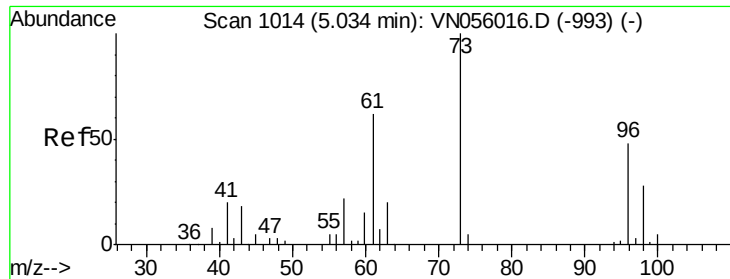
Tot Ion: 41 Resp: 82171
Ion Ratio Lower Upper
41 100
39 67.4 33.0 99.0
76 39.0 18.9 56.9



#18
Methylene Chloride
Concen: 20.485 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 84 Resp: 64155
Ion Ratio Lower Upper
84 100
49 111.0 87.6 131.4
51 34.2 27.0 40.4
86 62.0 51.2 76.8

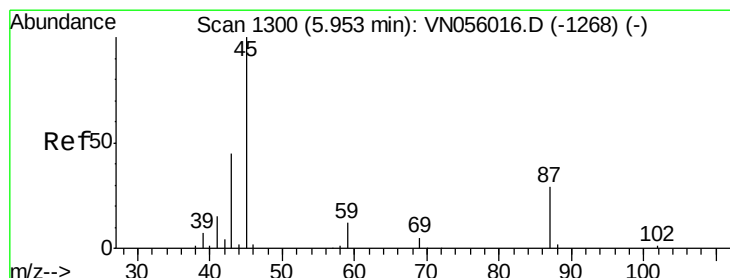
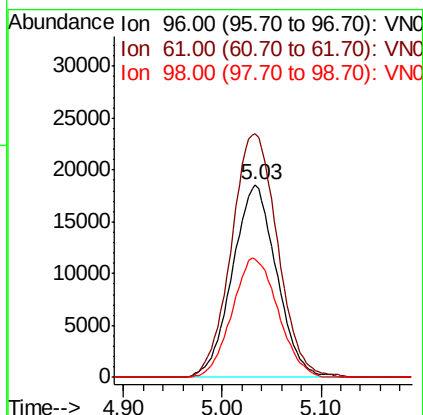
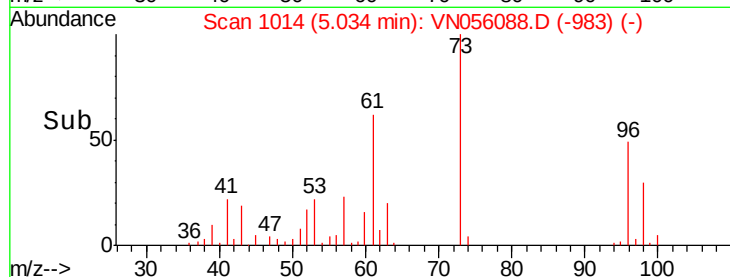
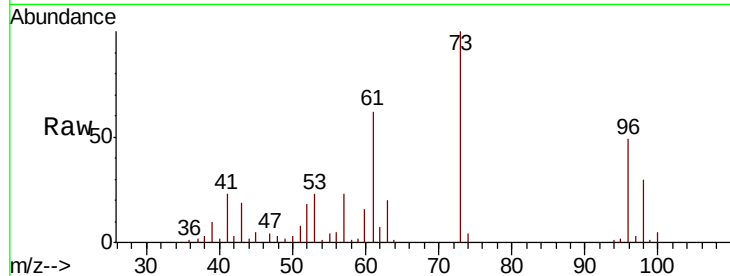




#19
trans-1,2-Dichloroethene
Concen: 19.951 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

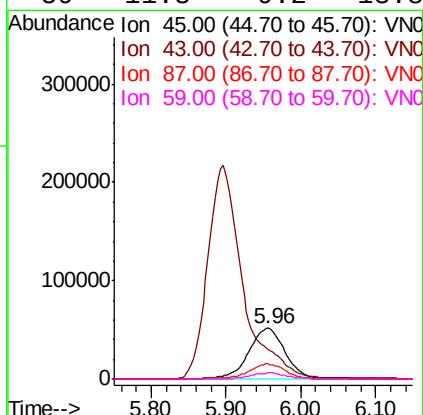
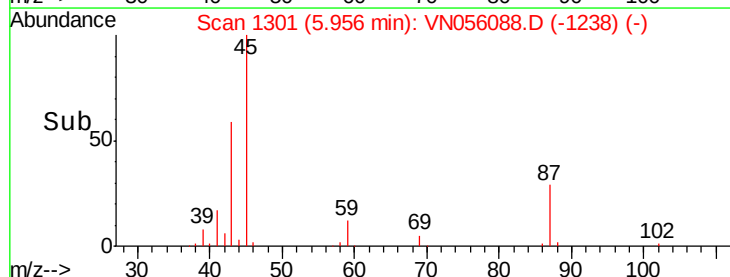
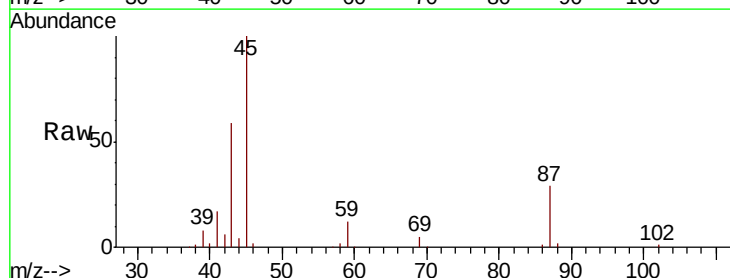
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

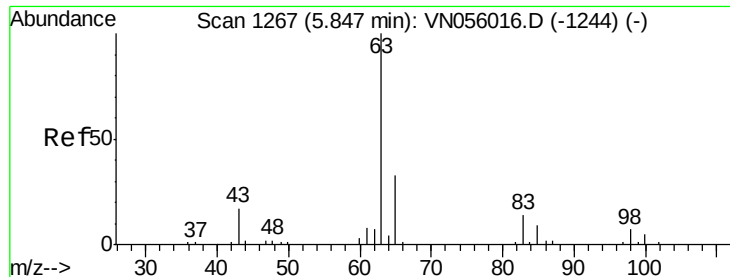
Tot Ion: 96 Resp: 57612
Ion Ratio Lower Upper
96 100
61 126.5 102.5 153.7
98 61.4 46.9 70.3



#20
Diisopropyl ether
Concen: 20.363 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 45 Resp: 176839
Ion Ratio Lower Upper
45 100
43 56.3 48.0 72.0
87 28.7 23.4 35.2
59 11.3 9.2 13.8

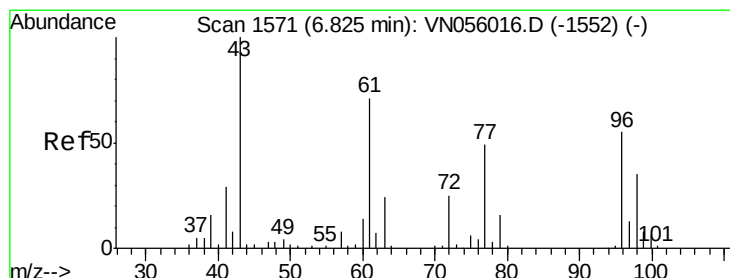
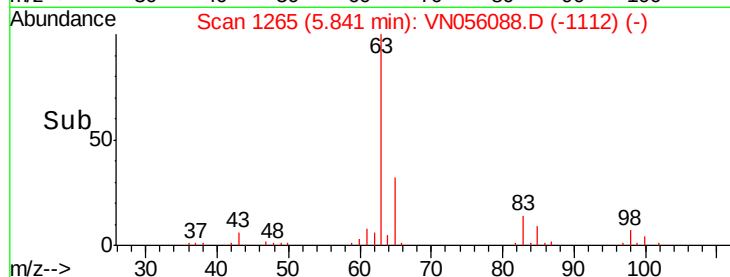
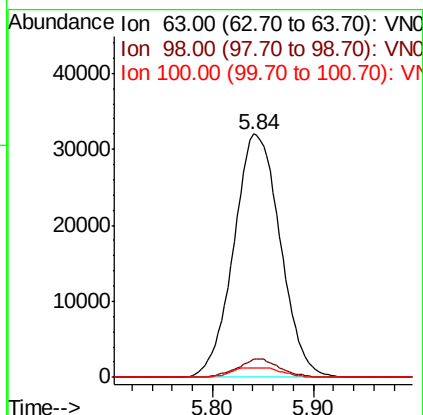
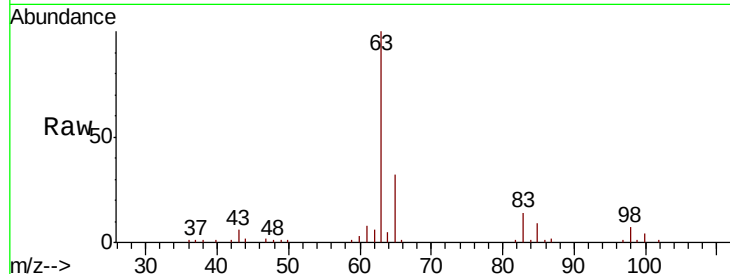




#21
 1,1-Dichloroethane
 Concen: 20.312 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

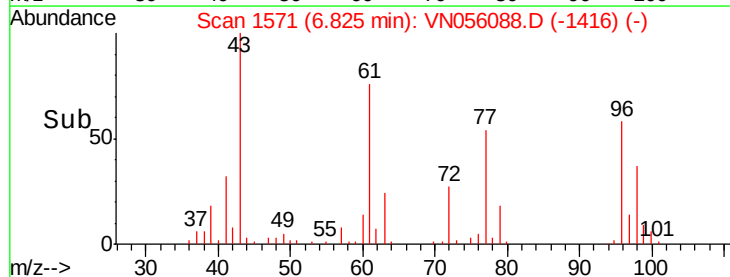
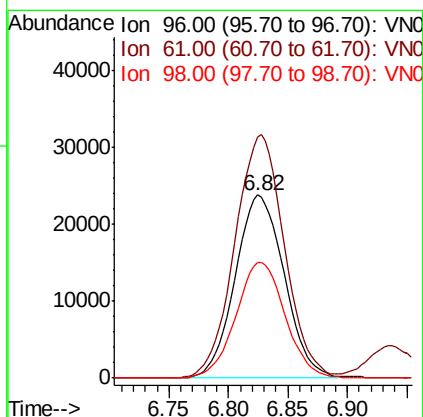
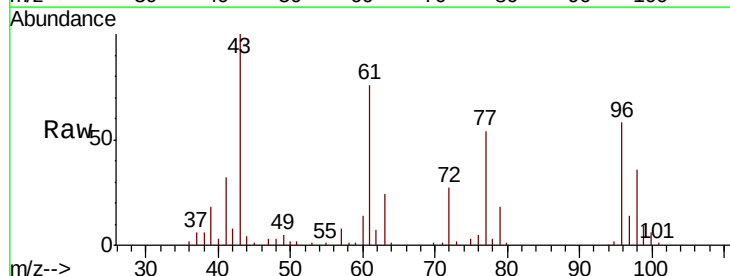
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

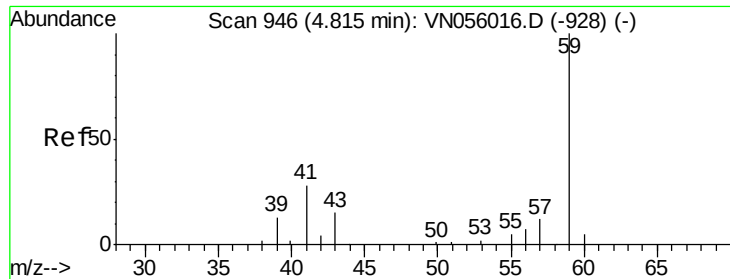
Tot Ion: 63 Resp: 102511
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.5 10.5
 100 4.0 2.3 6.9



#22
 cis-1,2-Dichloroethene
 Concen: 20.192 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion: 96 Resp: 68055
 Ion Ratio Lower Upper
 96 100
 61 134.3 105.7 158.5
 98 63.4 52.0 78.0





#23

tert-Butyl Alcohol

Concen: 85.838 ug/l

RT: 4.81 min Scan# 946

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

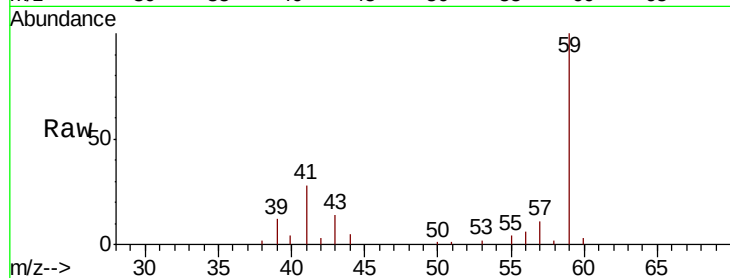
VN0608WBS01

Tot Ion: 59 Resp: 48437

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

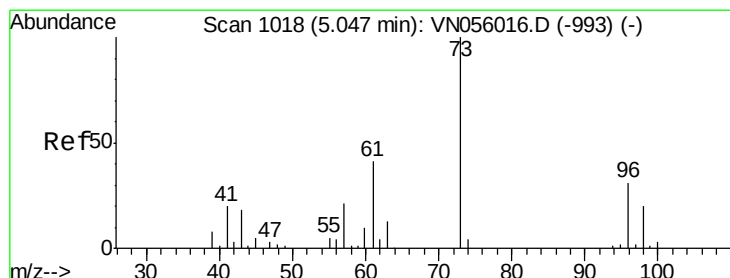
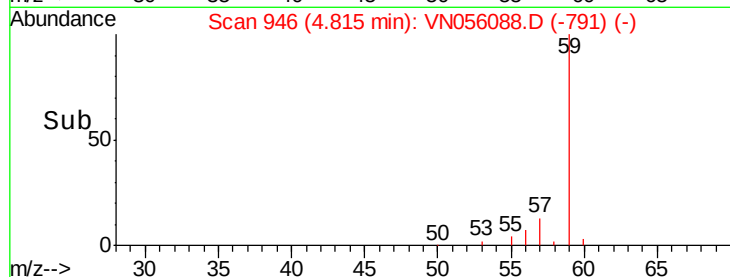
15000

10000

5000

0

Time-->



#24

Methyl tert-Butyl Ether

Concen: 19.783 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN056088.D

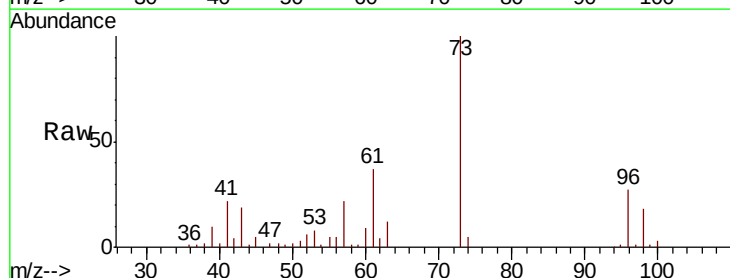
Acq: 7 Jun 2019 10:10

Tgt Ion: 73 Resp: 170562

Ion Ratio Lower Upper

73 100

43 19.4 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

50000

40000

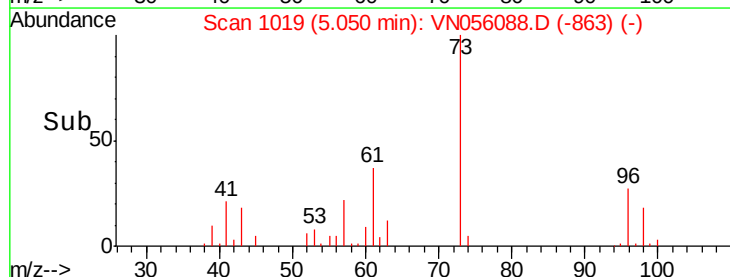
30000

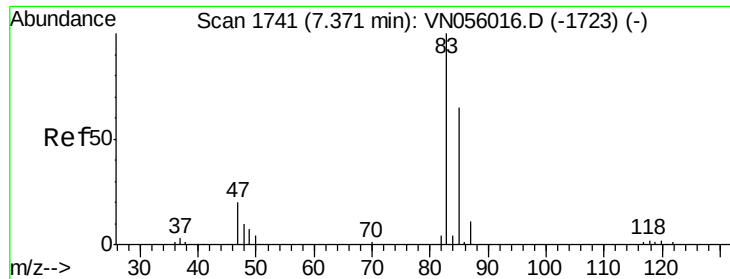
20000

10000

0

Time-->

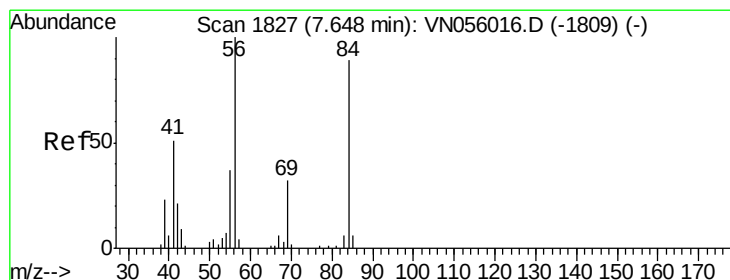
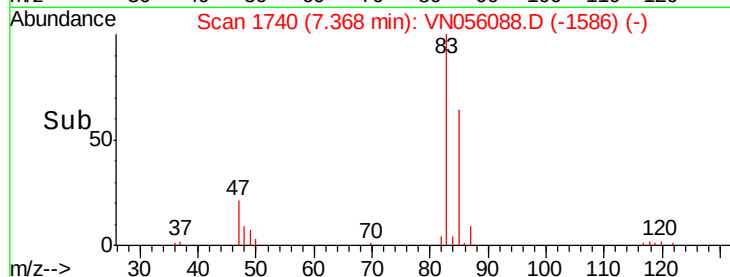
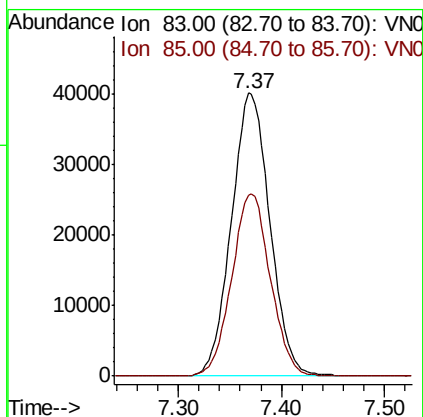
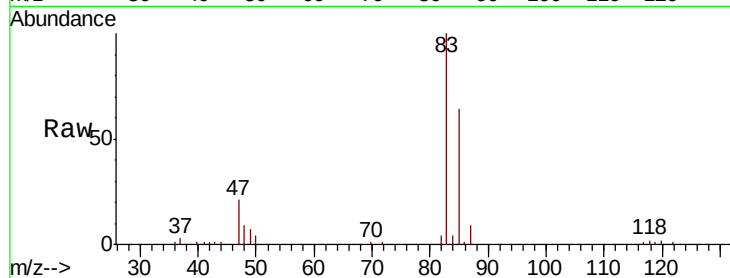




#25
Chloroform
Concen: 20.697 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

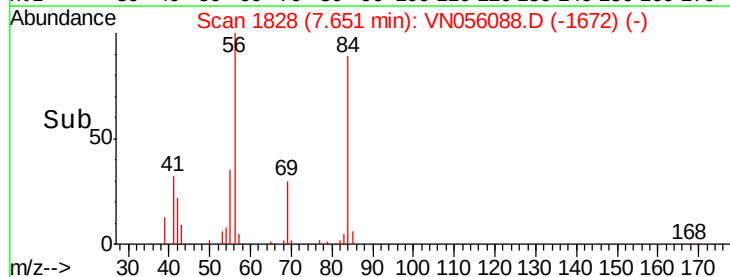
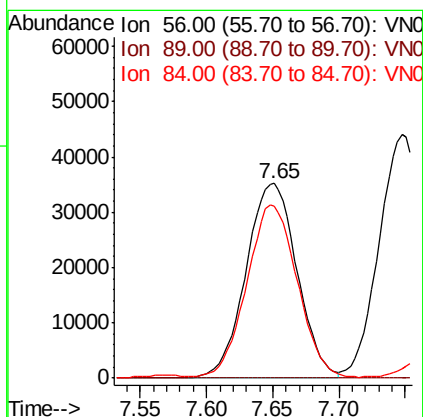
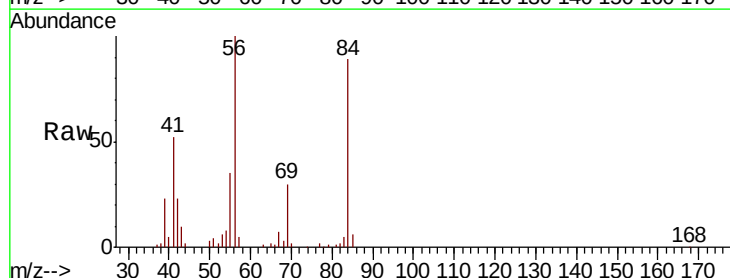
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

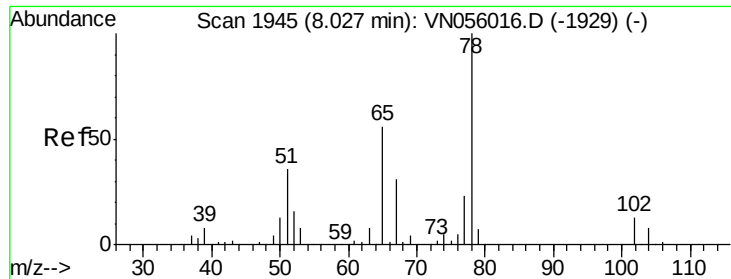
Tot Ion: 83 Resp: 104302
Ion Ratio Lower Upper
83 100
85 63.7 52.0 78.0



#26
Cyclohexane
Concen: 20.183 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 56 Resp: 94502
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.5 70.1 105.1

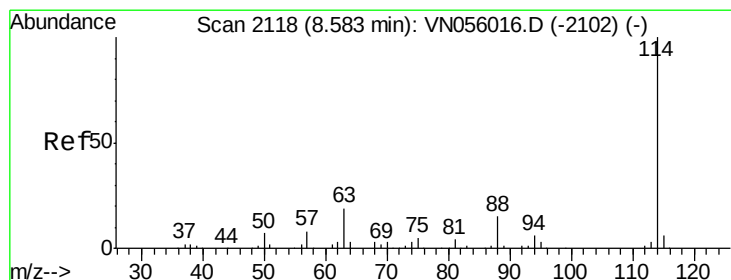
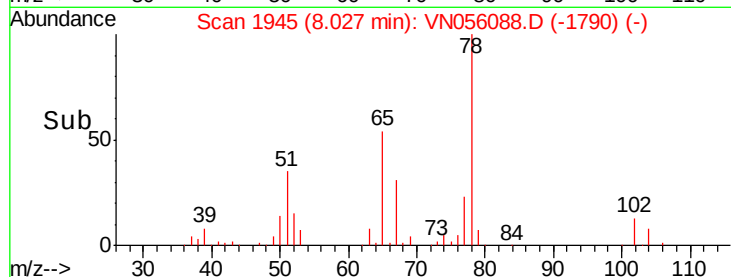
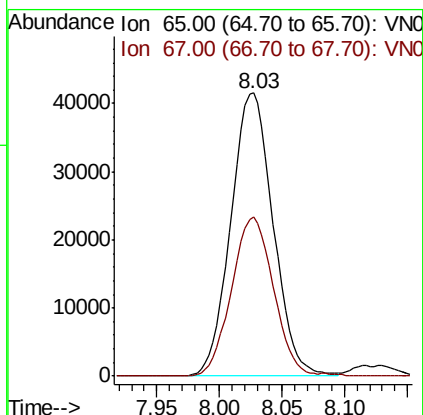
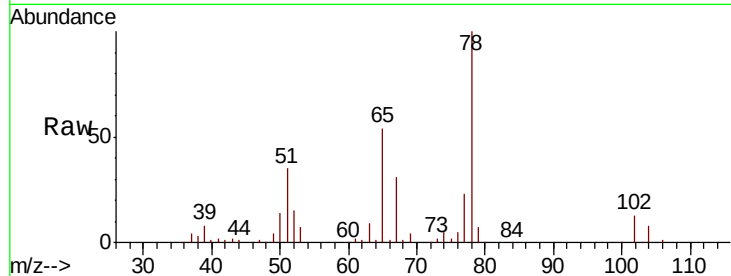




#27
 1,2-Dichloroethane-d4
 Concen: 30.304 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

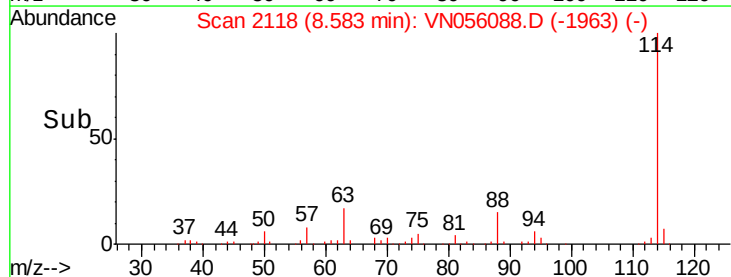
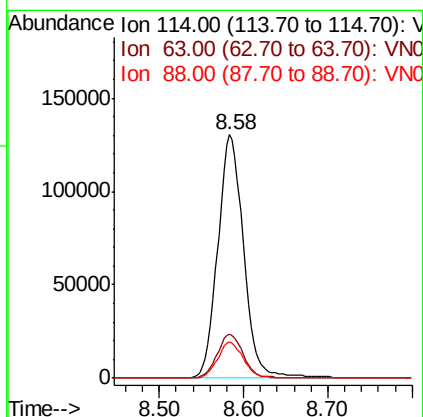
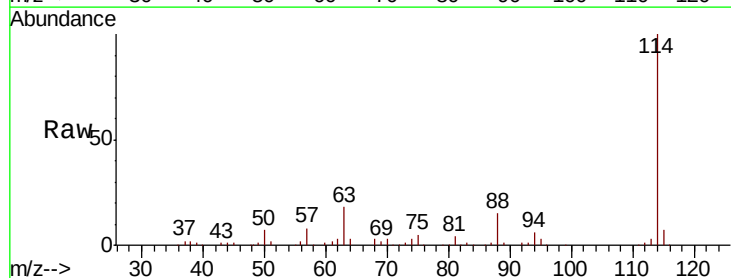
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

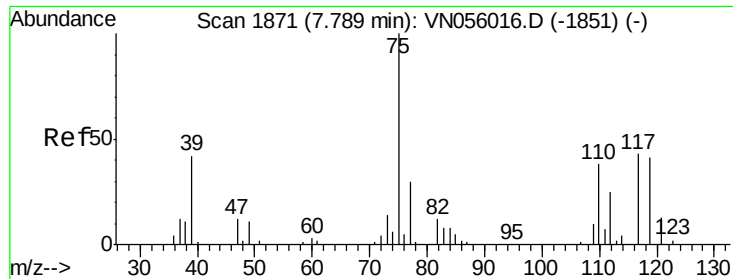
Tot Ion: 65 Resp: 97526
 Ion Ratio Lower Upper
 65 100
 67 55.6 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion: 114 Resp: 277448
 Ion Ratio Lower Upper
 114 100
 63 18.0 14.7 22.1
 88 14.6 11.9 17.9

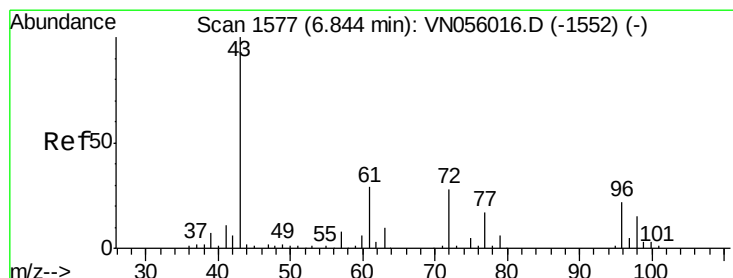
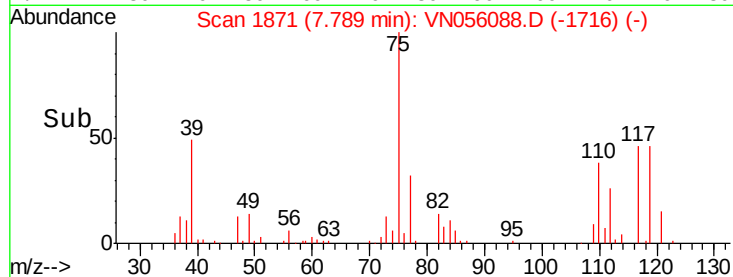
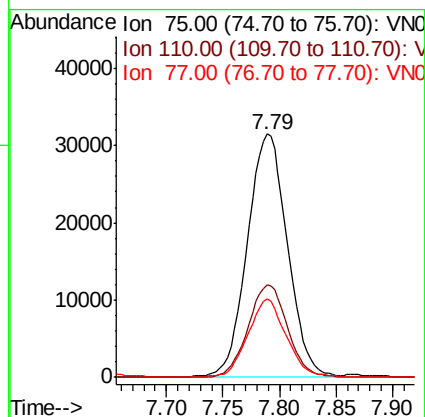
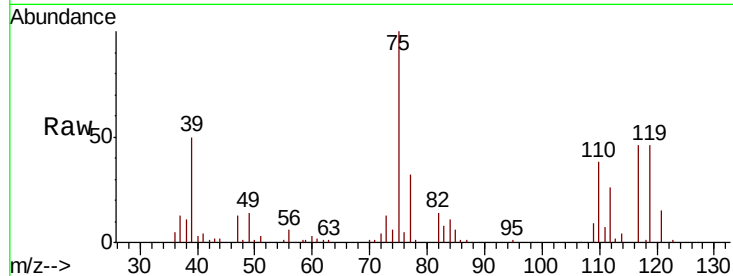




#29
 1,1-Dichloropropene
 Concen: 20.746 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

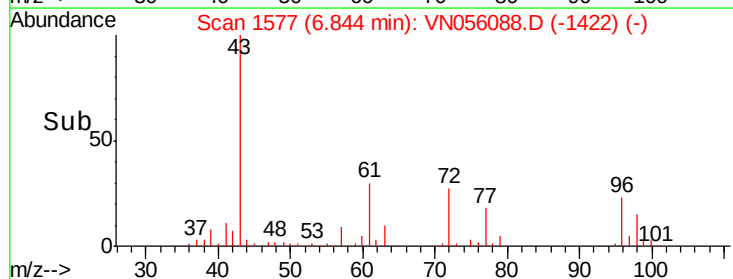
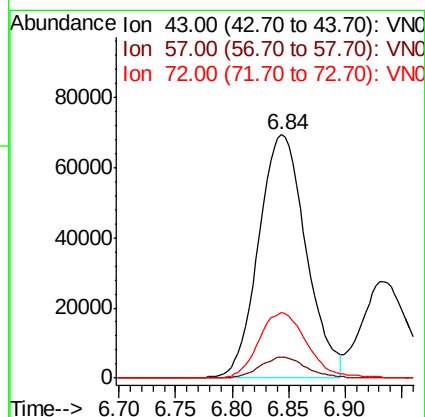
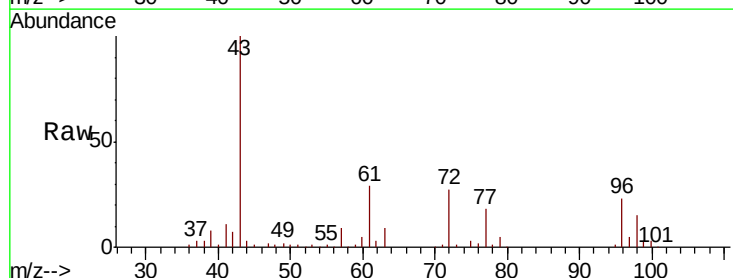
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

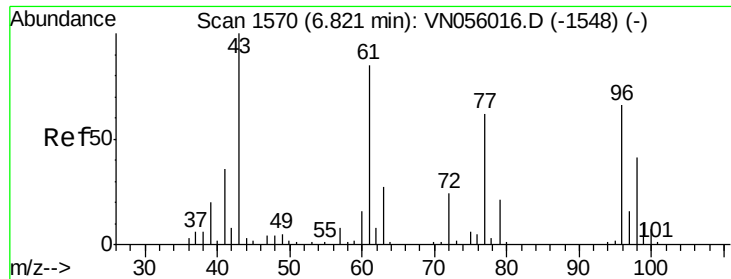
Tot Ion: 75 Resp: 77859
 Ion Ratio Lower Upper
 75 100
 110 37.1 0.0 77.0
 77 30.7 0.0 62.4



#30
 2-Butanone
 Concen: 102.353 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion: 43 Resp: 202223
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.7 10.1
 72 27.1 22.4 33.6

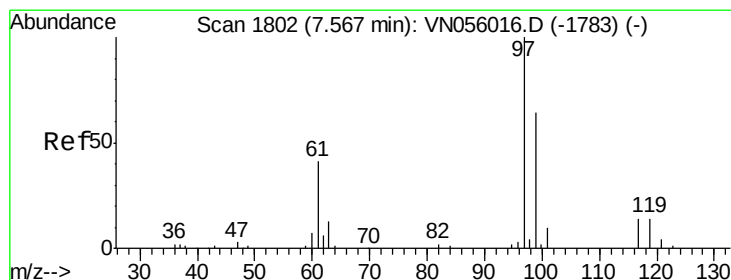
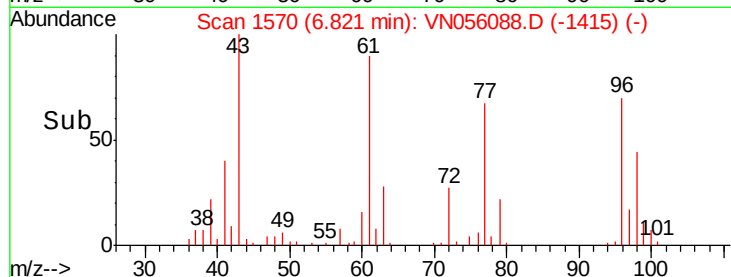
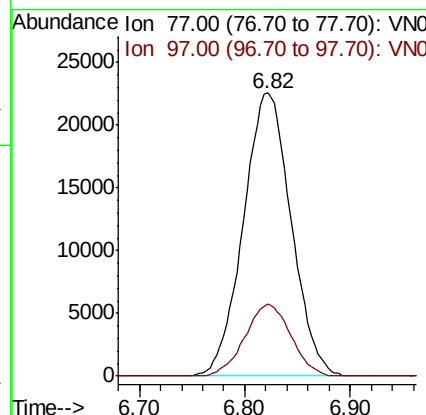
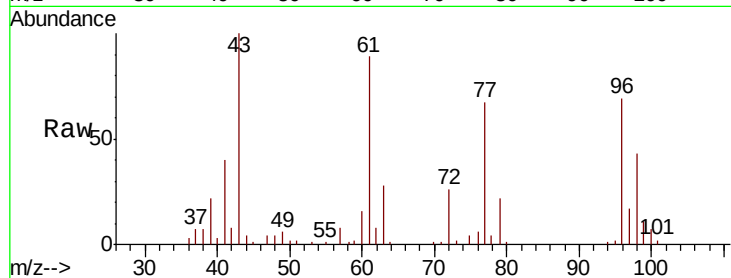




#31
 2,2-Dichloropropane
 Concen: 20.380 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

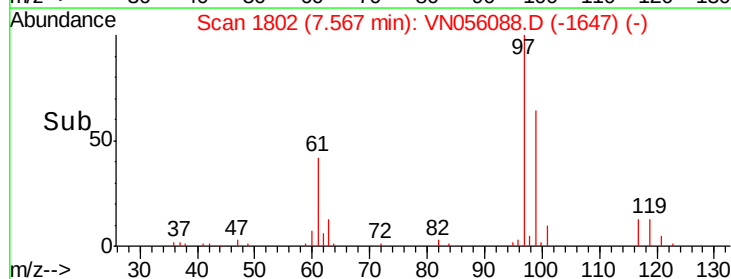
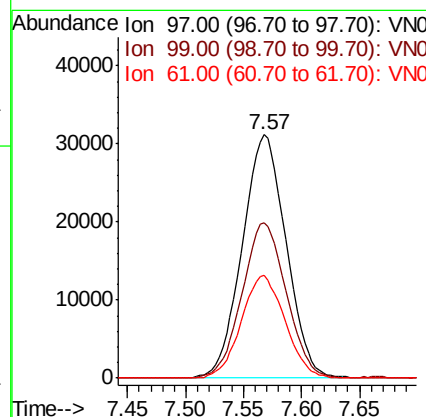
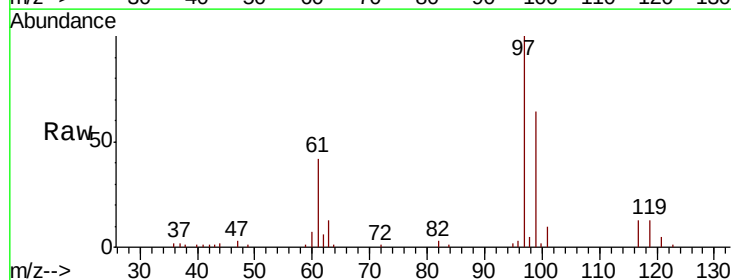
Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBS01

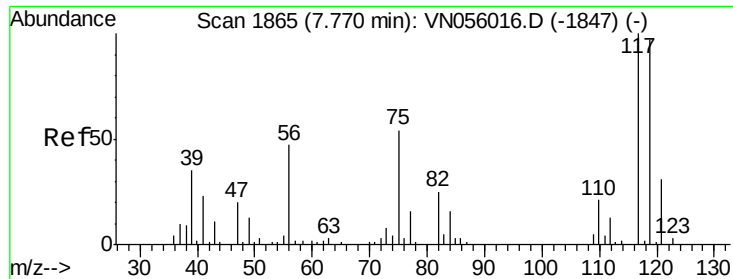
Tot Ion: 77 Resp: 71153
 Ion Ratio Lower Upper
 77 100
 97 24.4 20.8 31.2



#32
 1,1,1-Trichloroethane
 Concen: 19.804 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion: 97 Resp: 82115
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.5 77.3
 61 42.0 32.9 49.3

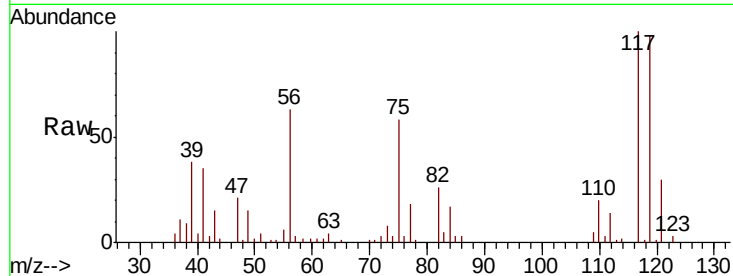




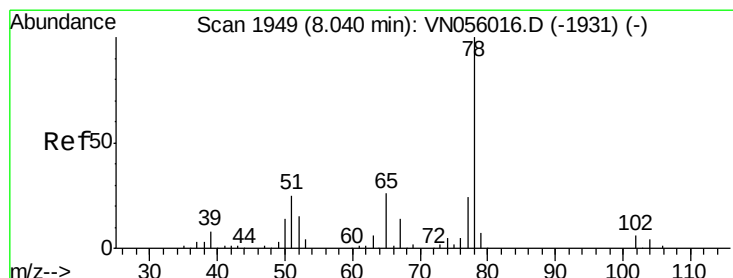
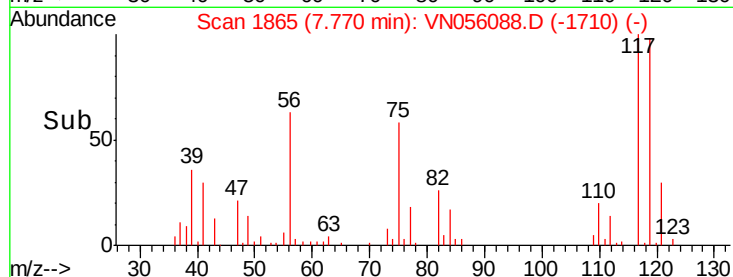
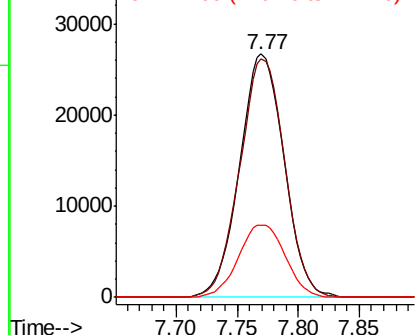
#33
Carbon Tetrachloride
Concen: 19.170 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS01

Tot Ion:117 Resp: 67344
Ion Ratio Lower Upper
117 100
119 97.8 77.3 115.9
121 29.9 25.0 37.4

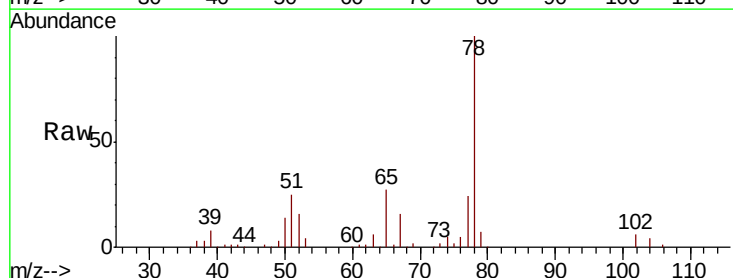


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

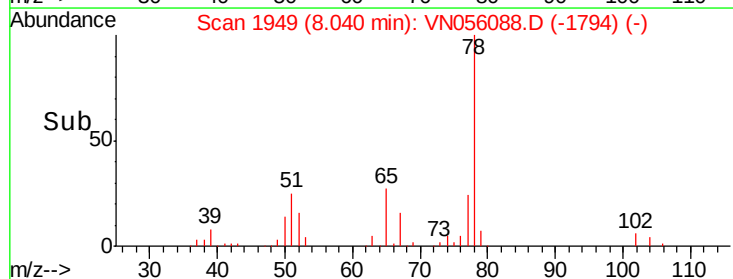
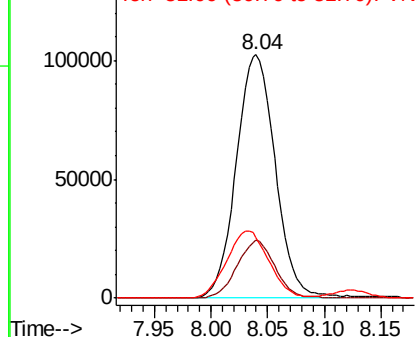


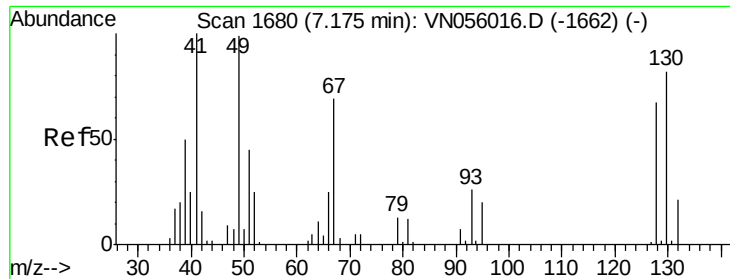
#34
Benzene
Concen: 20.549 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 78 Resp: 245721
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9
51 24.7 19.8 29.8



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

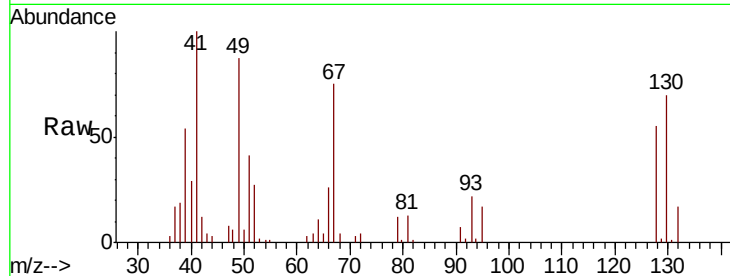




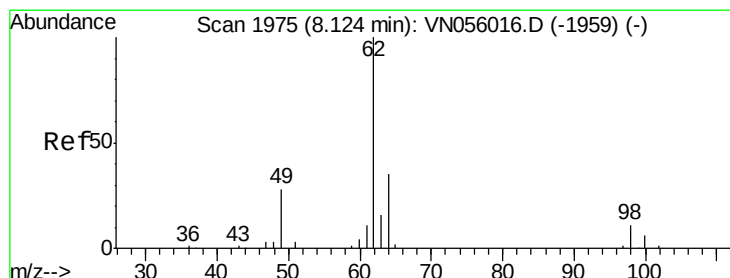
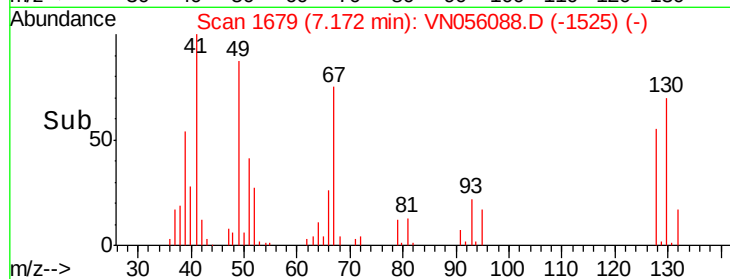
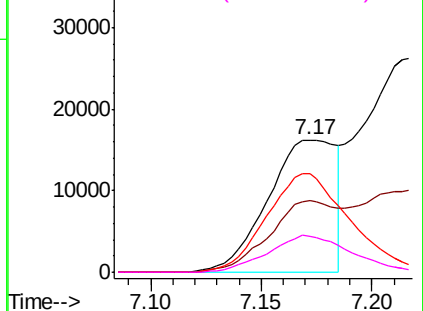
#35
Methacrylonitrile
Concen: 20.963 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS01

Tot Ion:	41	Resp:	34975
Ion	Ratio	Lower	Upper
41	100		
39	54.4	24.8	74.3
67	74.6	34.3	102.9
52	27.5	12.6	37.8

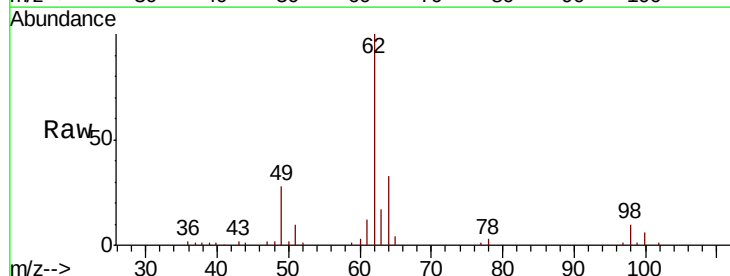


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

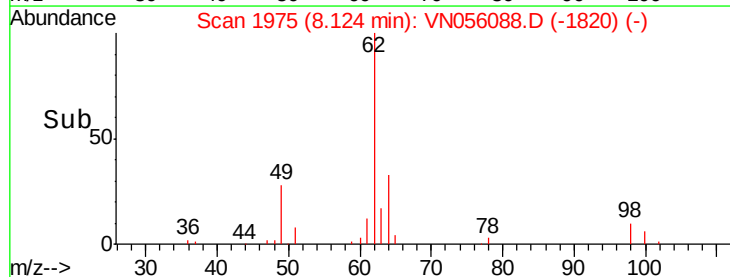
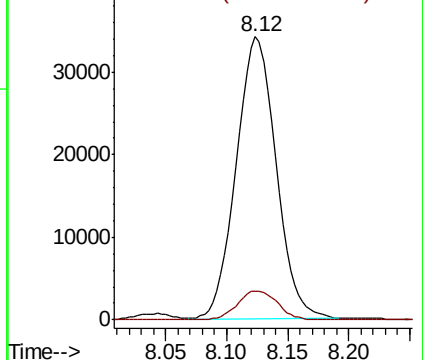


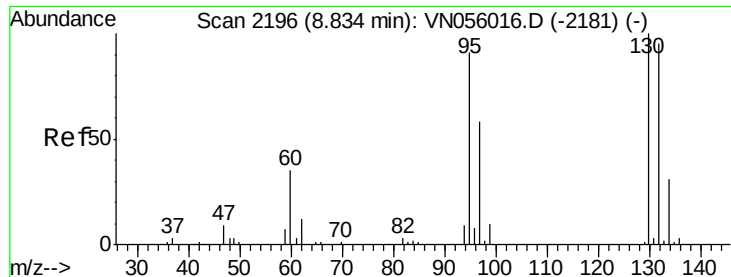
#36
1,2-Dichloroethane
Concen: 20.672 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion:	62	Resp:	77427
Ion	Ratio	Lower	Upper
62	100		
98	10.2	8.6	13.0



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

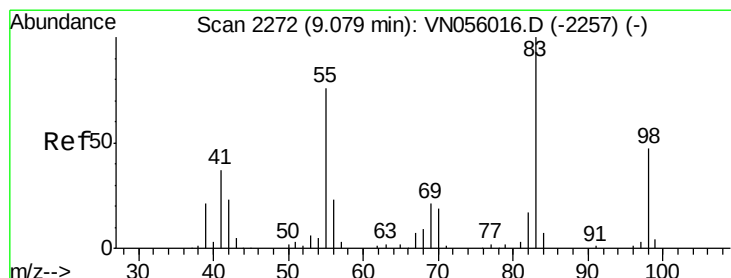
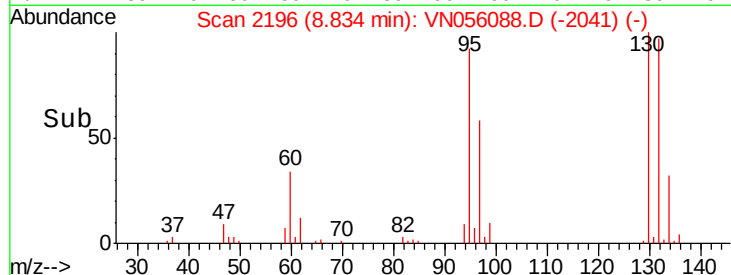
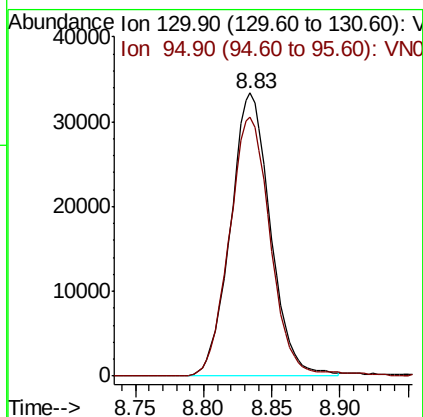
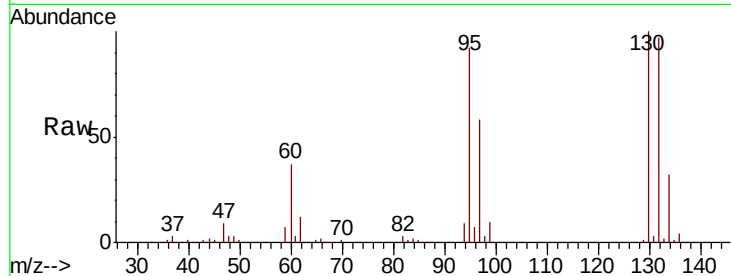




#37
 Trichloroethene
 Concen: 20.301 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

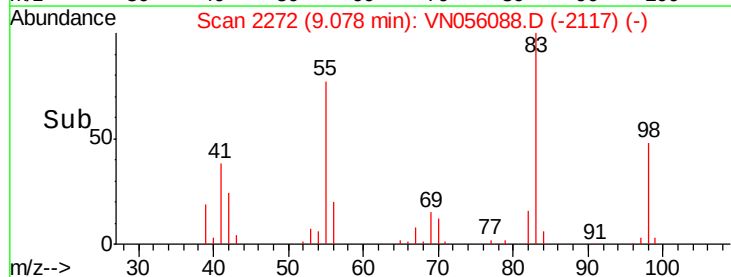
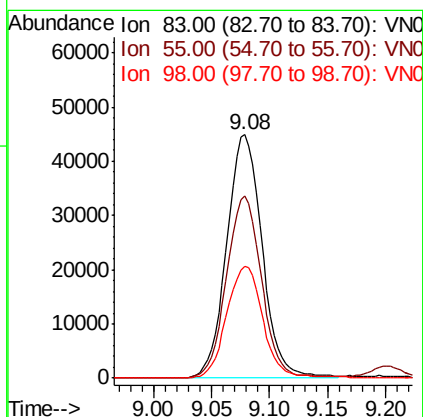
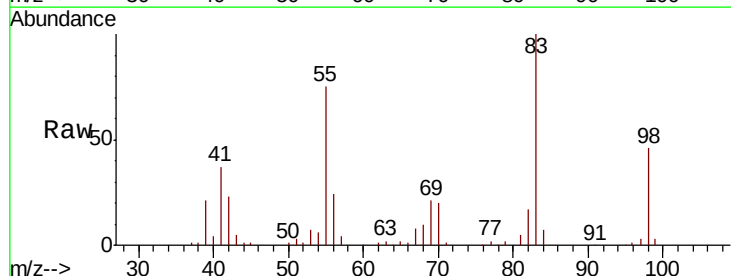
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

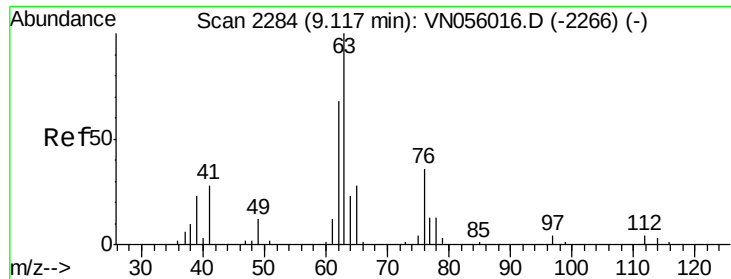
Tot Ion:130 Resp: 67928
 Ion Ratio Lower Upper
 130 100
 95 91.7 73.0 109.6



#38
 Methylcyclohexane
 Concen: 20.030 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion: 83 Resp: 95301
 Ion Ratio Lower Upper
 83 100
 55 73.6 37.5 112.7
 98 46.7 23.1 69.3

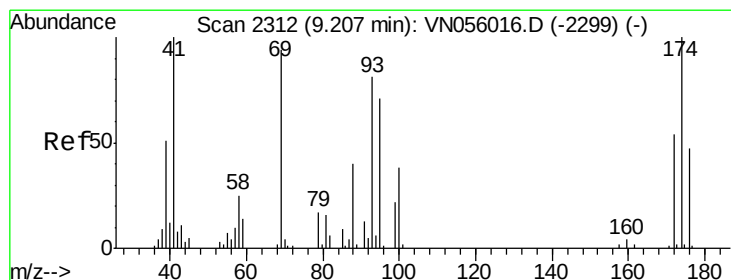
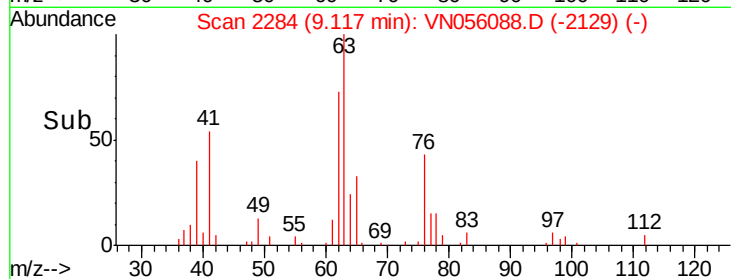
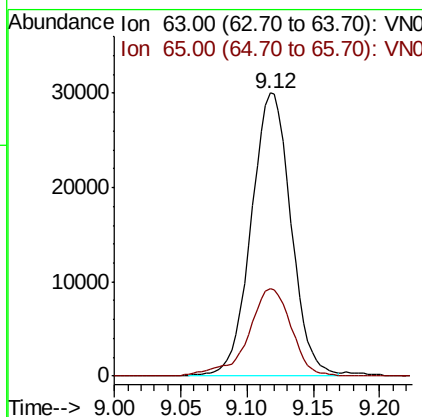
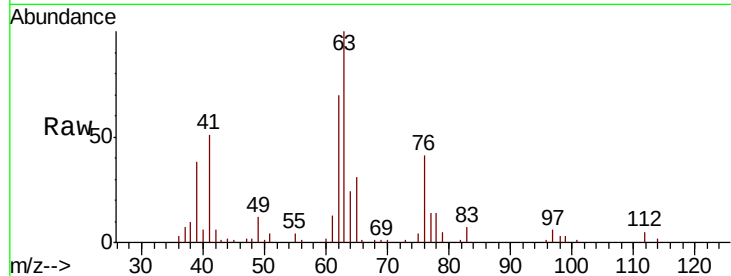




#39
 1,2-Dichloropropane
 Concen: 20.468 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

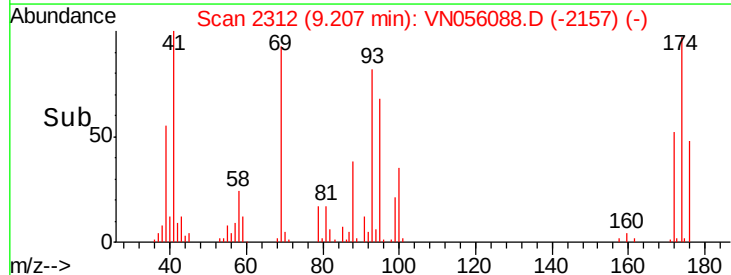
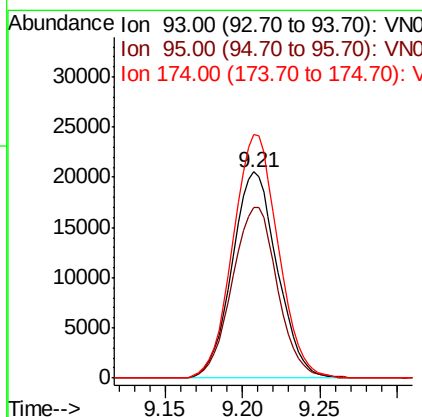
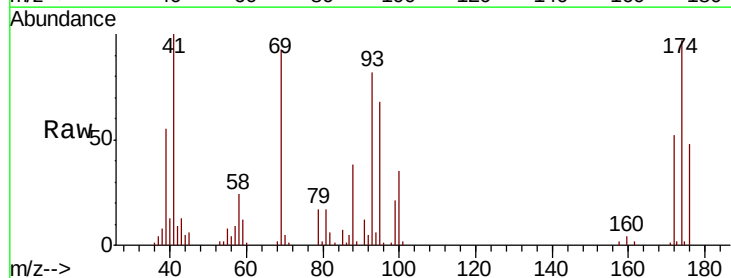
Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBS01

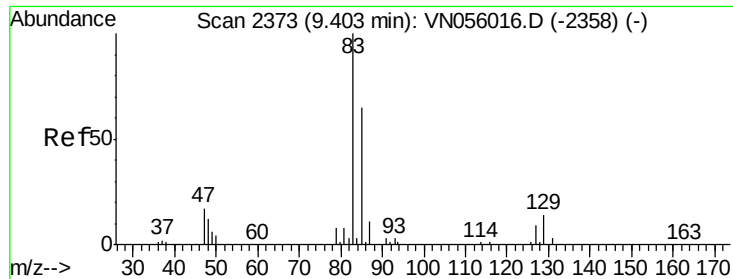
Tot Ion: 63 Resp: 62683
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.1 34.7



#40
 Dibromomethane
 Concen: 20.502 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion: 93 Resp: 41632
 Ion Ratio Lower Upper
 93 100
 95 83.5 0.0 169.0
 174 118.6 0.0 246.4





#41

Bromodichloromethane

Concen: 19.236 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

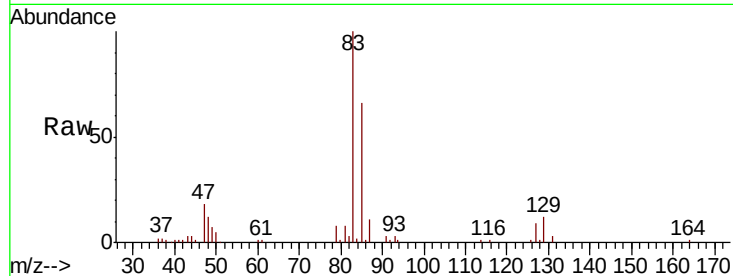
Tot Ion: 83 Resp: 69945

Ion Ratio Lower Upper

83 100

85 65.7 51.8 77.6

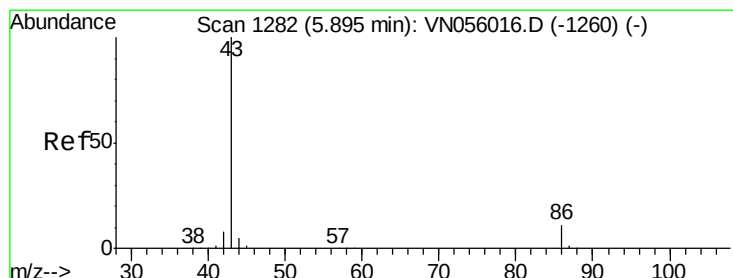
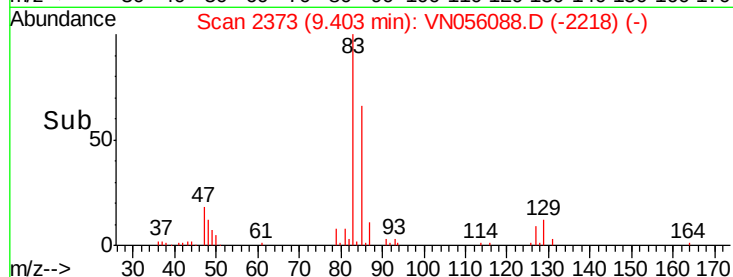
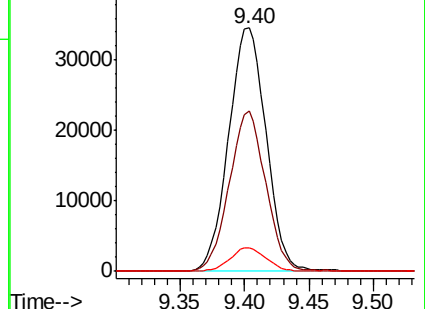
127 9.5 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VN056016.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN056016.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN056016.D (-2358) (-)



#42

Vinyl Acetate

Concen: 100.676 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056088.D

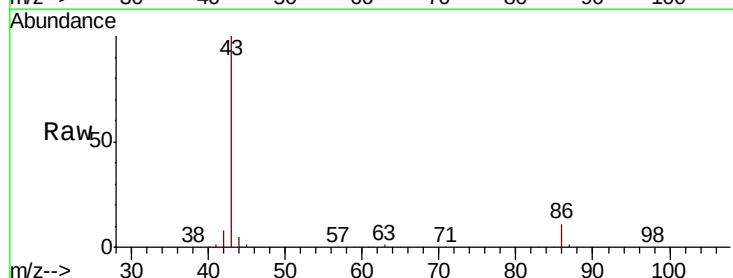
Acq: 7 Jun 2019 10:10

Tgt Ion: 43 Resp: 709144

Ion Ratio Lower Upper

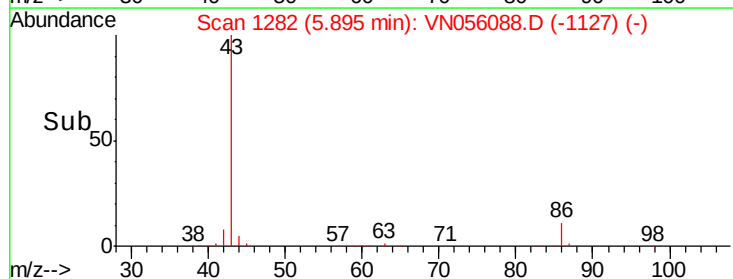
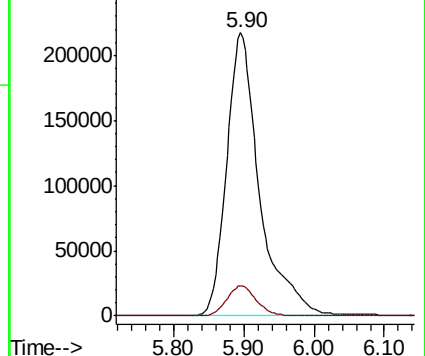
43 100

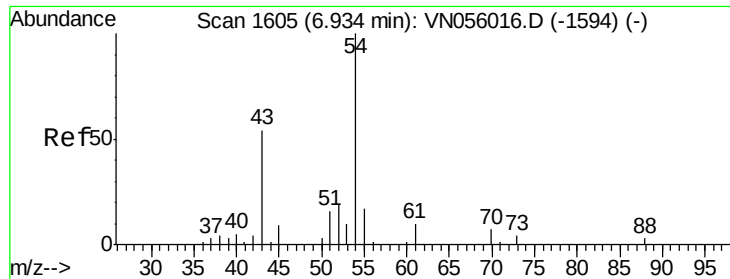
86 9.6 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN056016.D (-1260) (-)

Ion 86.00 (85.70 to 86.70): VN056016.D (-1260) (-)





#43

Ethyl Acetate

Concen: 21.216 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

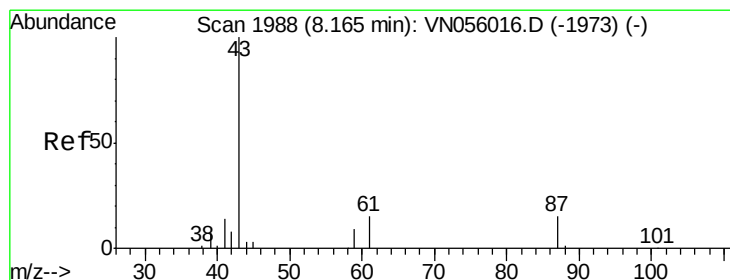
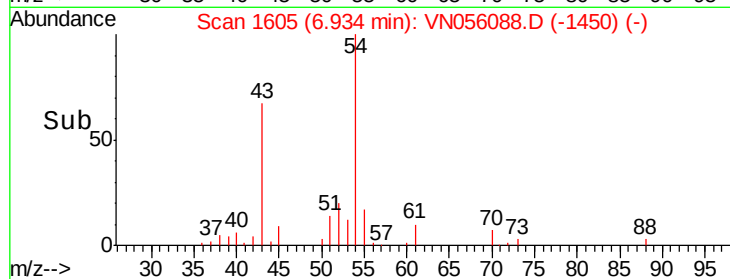
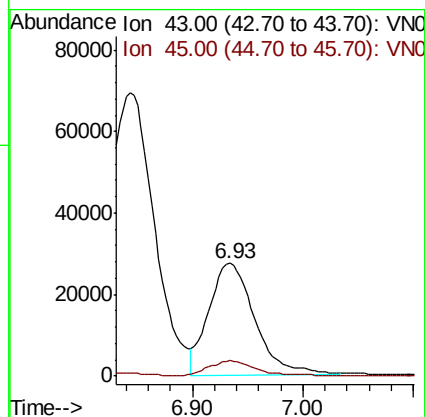
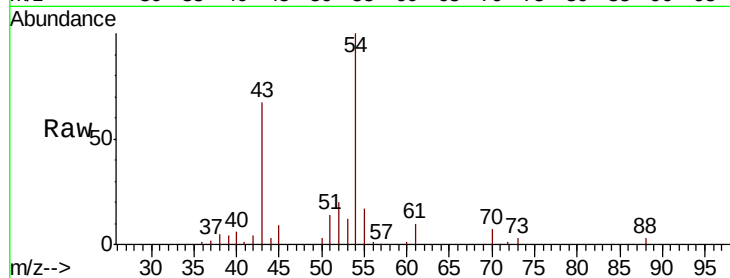
VN0608WBS01

Tot Ion: 43 Resp: 80222

Ion Ratio Lower Upper

43 100

45 12.6 12.3 18.5



#44

Isopropyl Acetate

Concen: 19.333 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056088.D

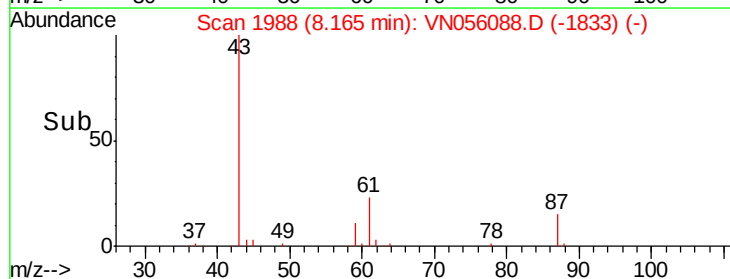
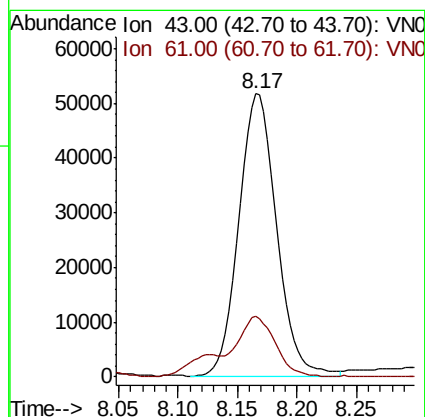
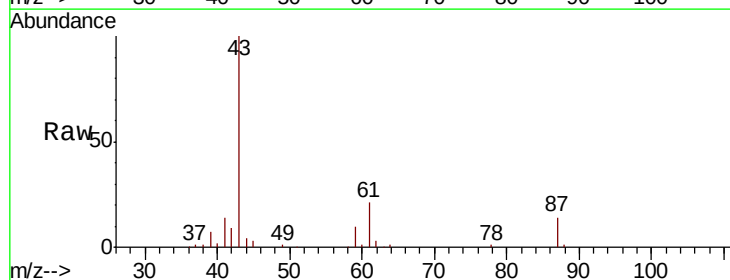
Acq: 7 Jun 2019 10:10

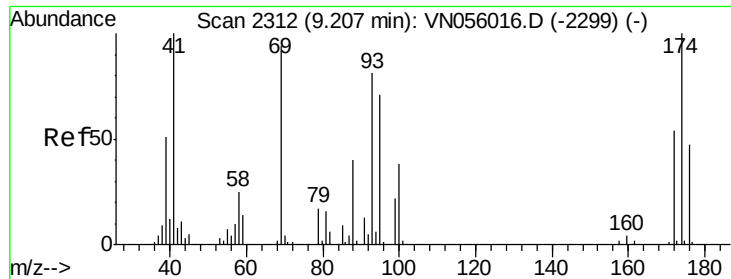
Tgt Ion: 43 Resp: 113504

Ion Ratio Lower Upper

43 100

61 21.1 16.9 25.3

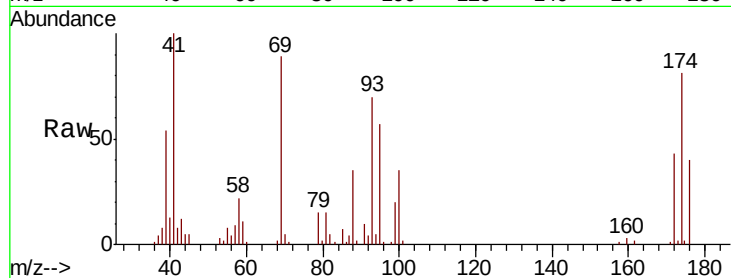




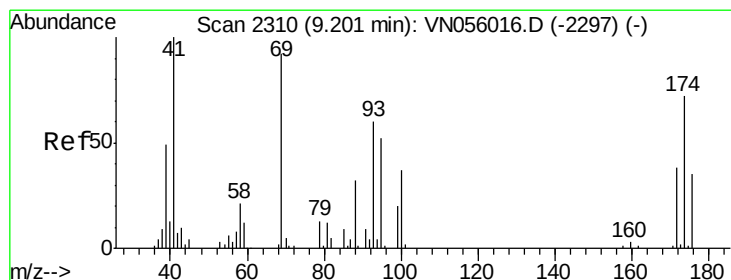
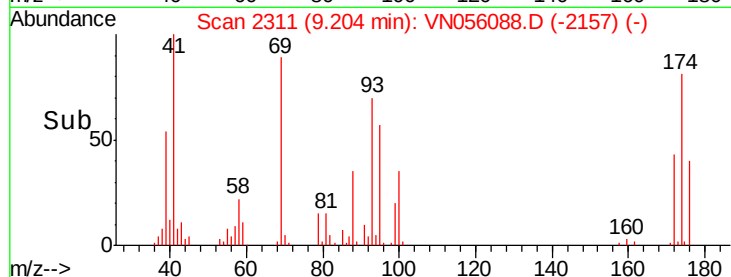
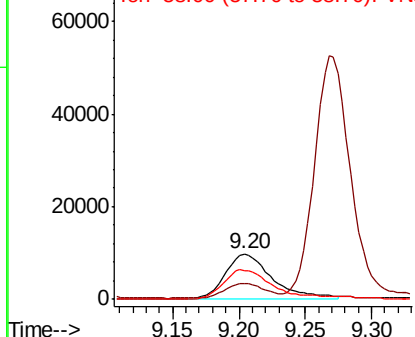
#45
 1,4-Dioxane
 Concen: 386.869 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBS01

Tot Ion: 88 Resp: 24297
 Ion Ratio Lower Upper
 88 100
 43 28.4 19.8 29.6
 58 67.1 48.5 72.7

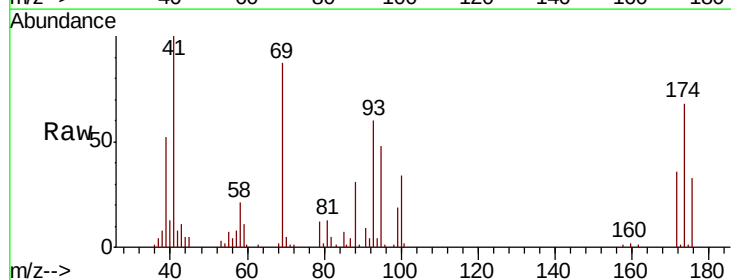


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

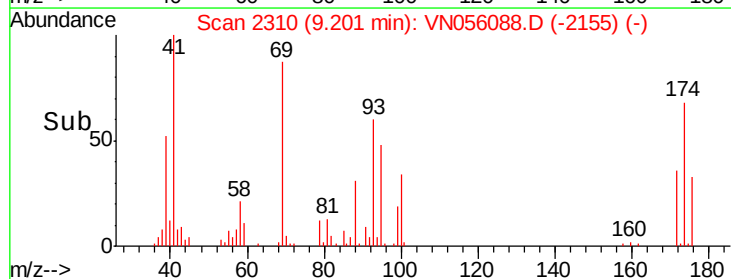
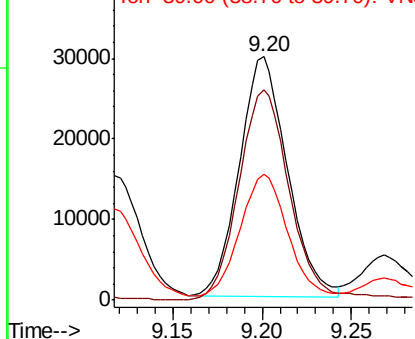


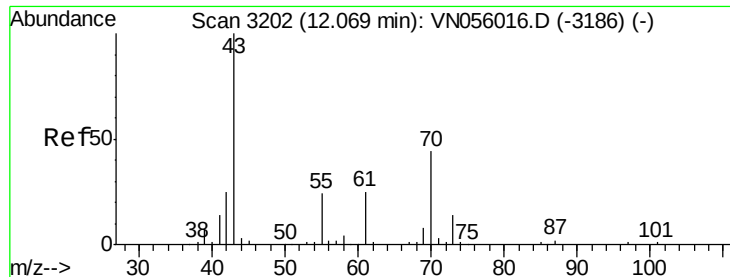
#46
 Methyl methacrylate
 Concen: 19.134 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion: 41 Resp: 55807
 Ion Ratio Lower Upper
 41 100
 69 88.3 46.0 137.8
 39 50.8 24.6 73.8



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





#47

n-amvl Acetate

Concen: 18.512 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampled :

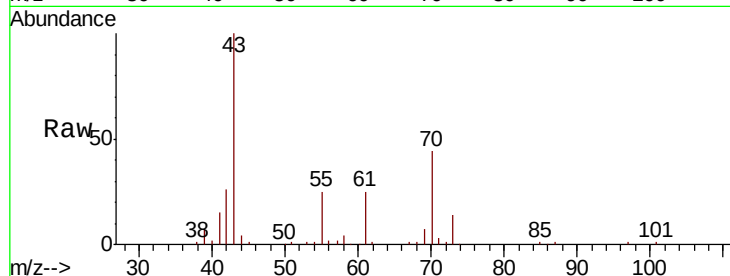
VN0608WBS01

Tot Ion: 43 Resp: 89880

Ion Ratio Lower Upper

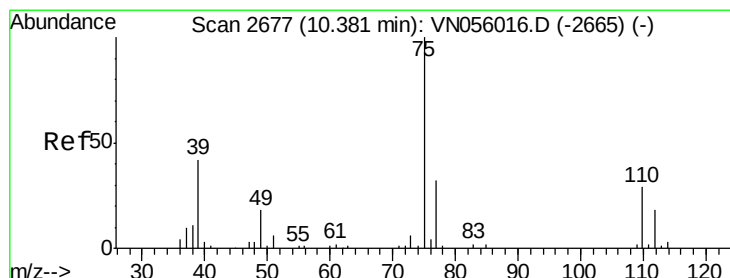
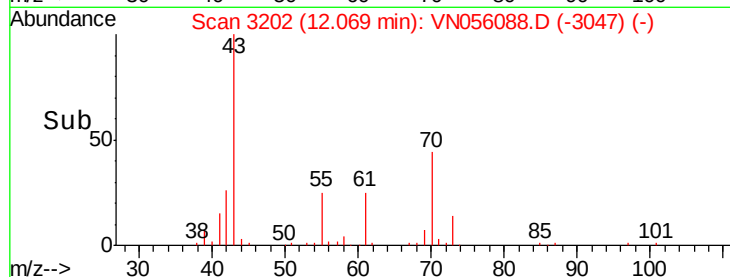
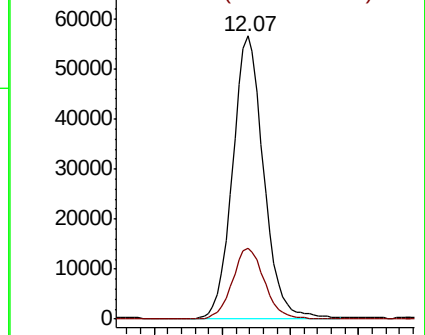
43 100

55 25.8 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.407 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056088.D

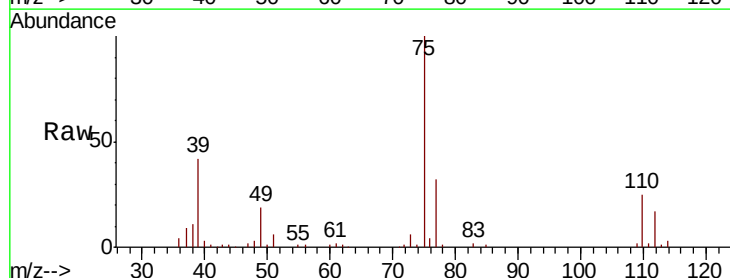
Acq: 7 Jun 2019 10:10

Tgt Ion: 75 Resp: 70436

Ion Ratio Lower Upper

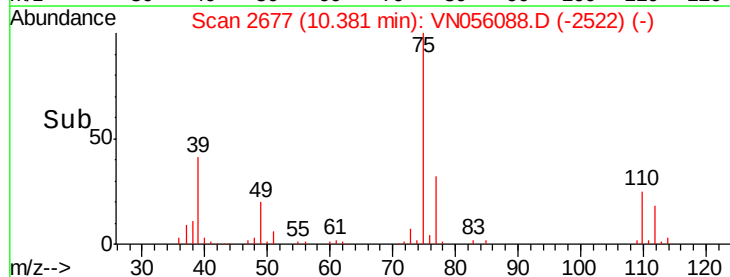
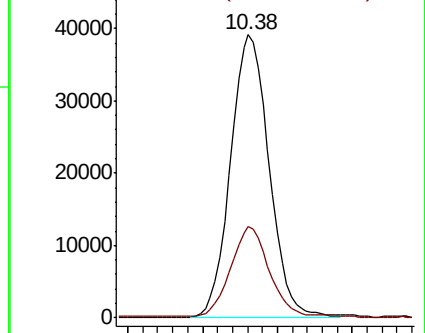
75 100

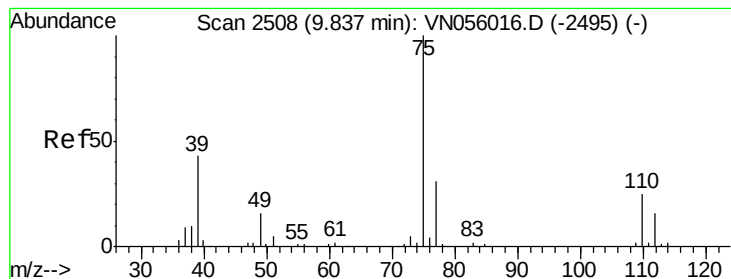
77 31.6 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



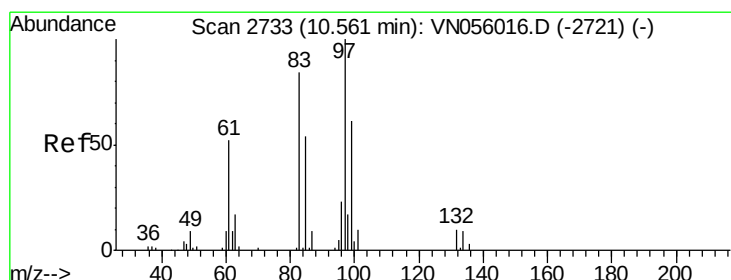
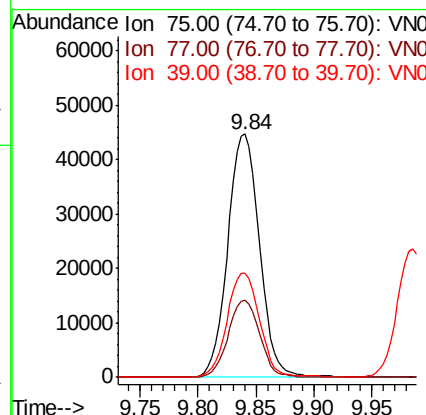
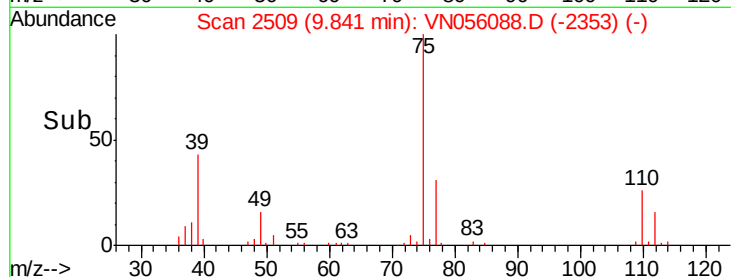
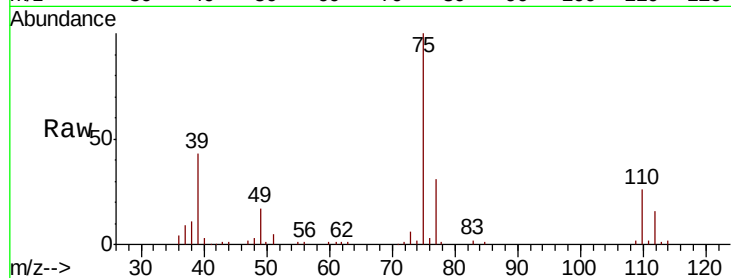


#49

cis-1,3-Dichloropropene
 Concen: 18.976 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

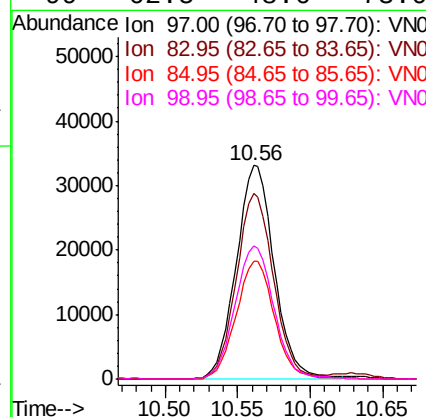
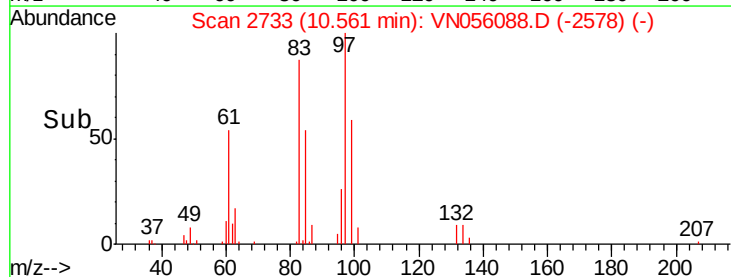
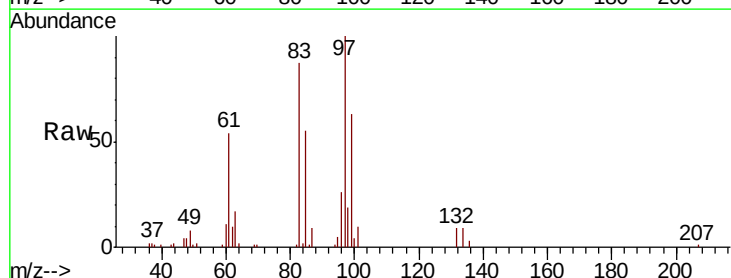
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	43.0	34.3	51.5

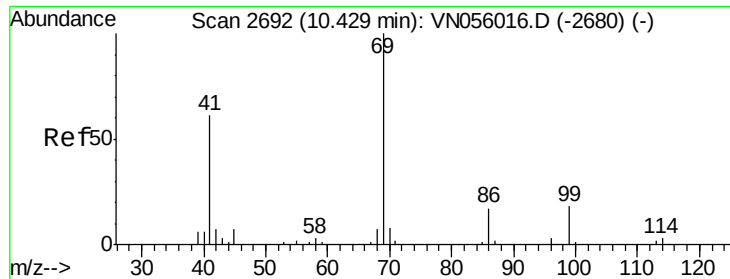


#50

1,1,2-Trichloroethane
 Concen: 20.038 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.2	66.9	100.3
85	55.4	43.3	64.9
99	62.5	48.6	73.0





#51

Ethyl methacrylate

Concen: 19.107 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

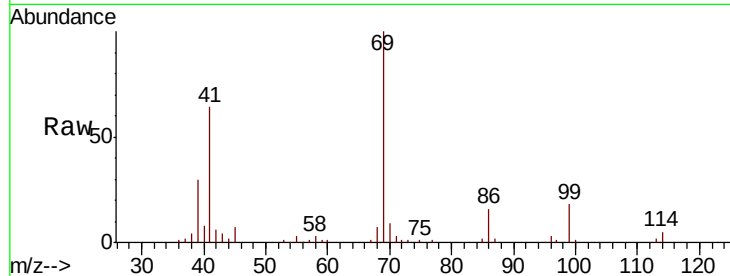
Tot Ion: 69 Resp: 87186

Ion Ratio Lower Upper

69 100

41 63.1 30.8 92.3

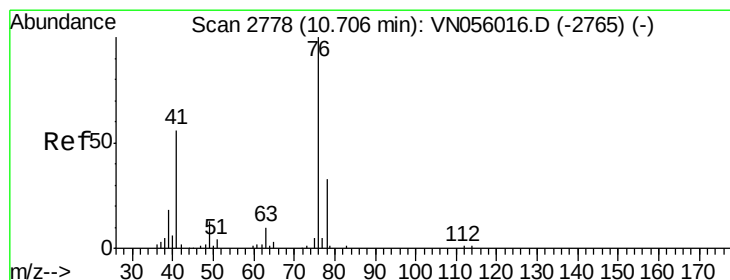
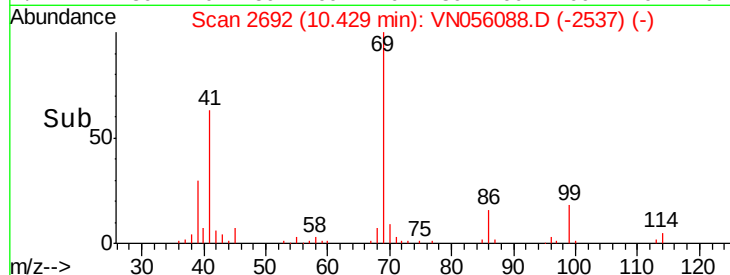
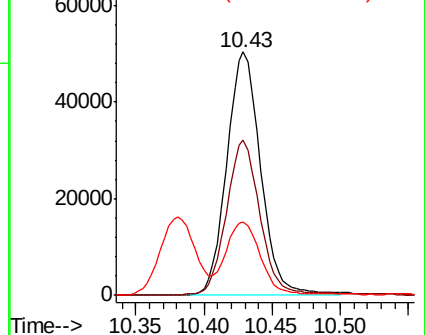
39 29.5 14.5 43.6



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: 20.413 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056088.D

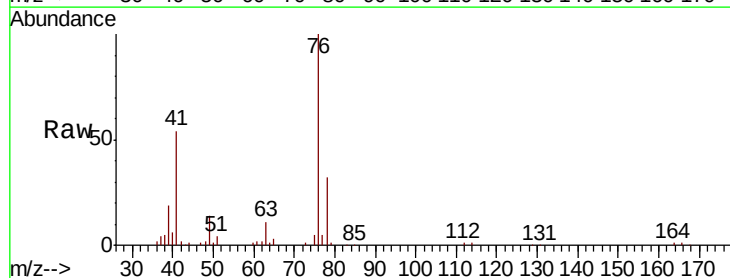
Acq: 7 Jun 2019 10:10

Tgt Ion: 76 Resp: 99811

Ion Ratio Lower Upper

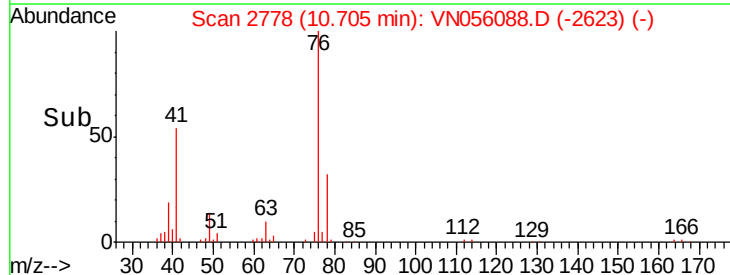
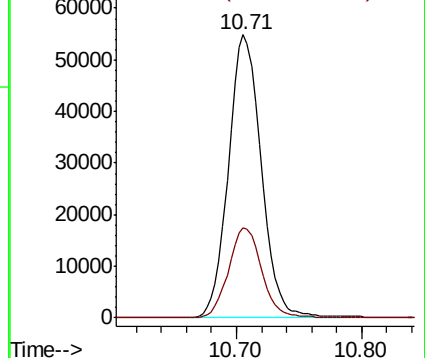
76 100

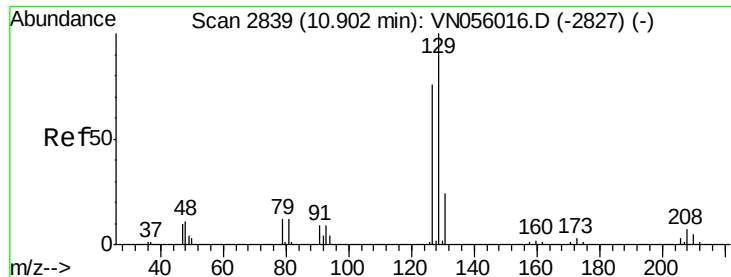
78 32.1 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.260 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

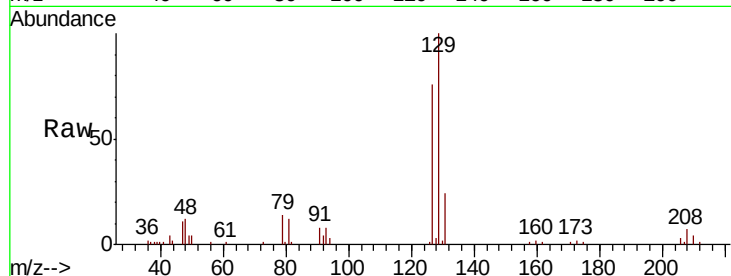
VN0608WBS01

Tot Ion:129 Resp: 53910

Ion Ratio Lower Upper

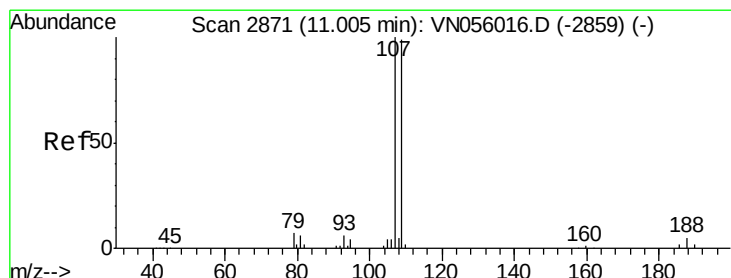
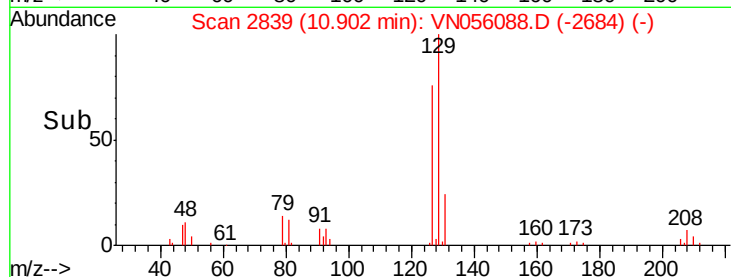
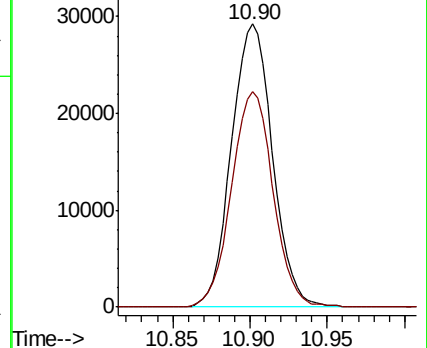
129 100

127 77.2 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.899 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056088.D

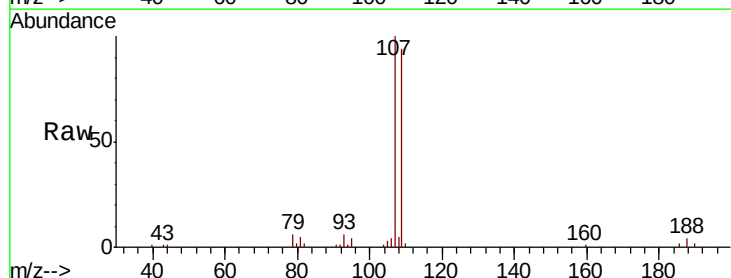
Acq: 7 Jun 2019 10:10

Tgt Ion:107 Resp: 62626

Ion Ratio Lower Upper

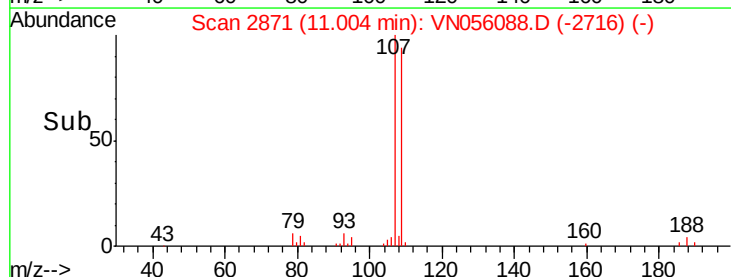
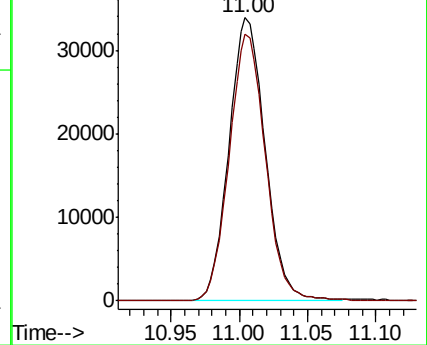
107 100

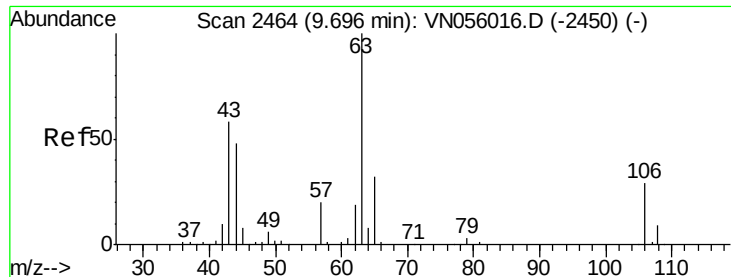
109 94.1 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

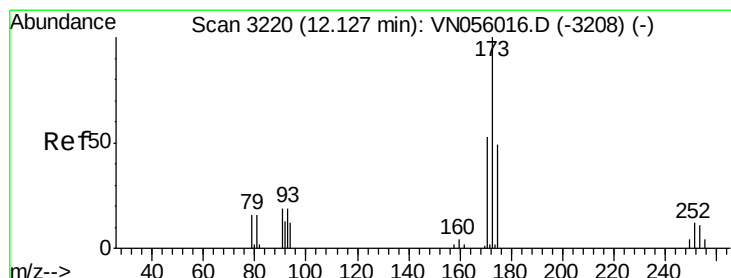
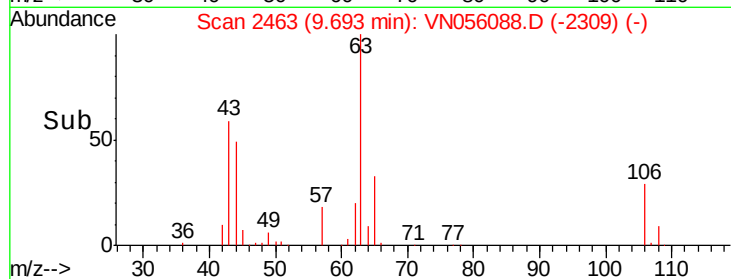
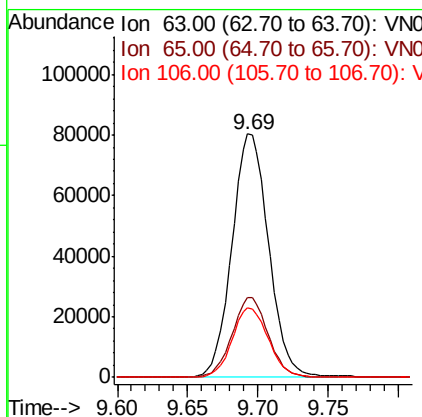
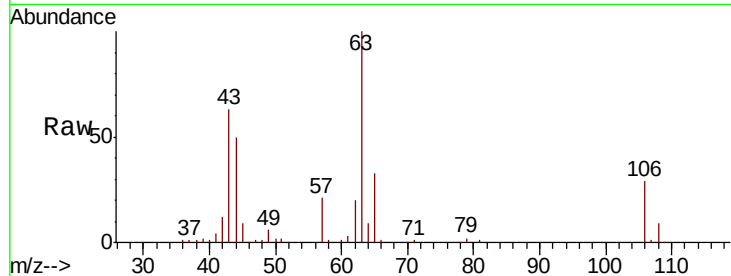




#55
2-Chloroethyl vinyl ether
Concen: 91.539 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

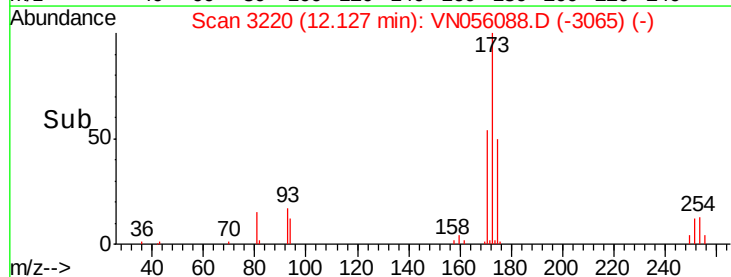
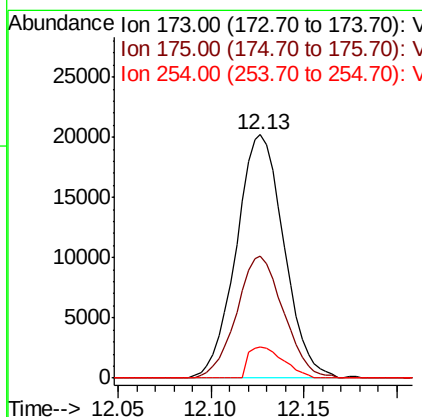
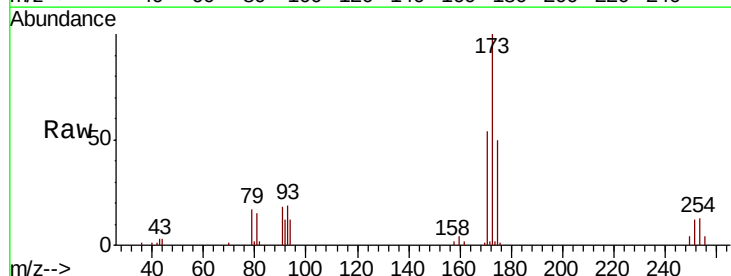
Instrument :
MSVOA_N
ClientSampled :
VN0608WBS01

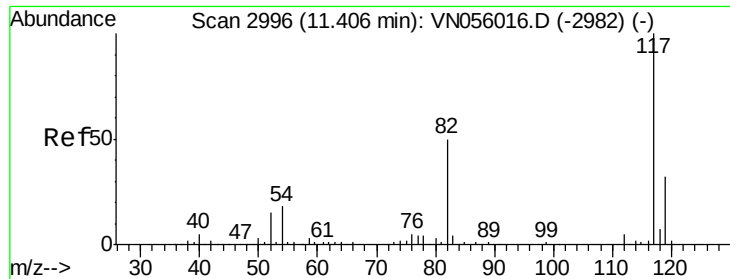
Tot Ion: 63 Resp: 146302
Ion Ratio Lower Upper
63 100
65 32.1 25.5 38.3
106 28.2 23.0 34.4



#56
Bromoform
Concen: 16.911 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 173 Resp: 36119
Ion Ratio Lower Upper
173 100
175 49.3 38.7 58.1
254 9.3 6.6 9.8

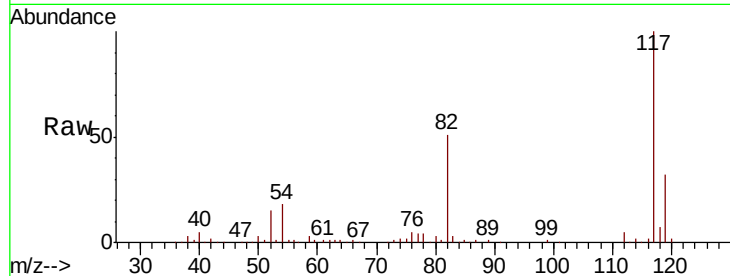




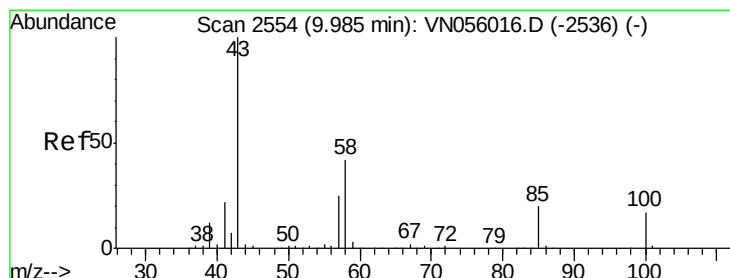
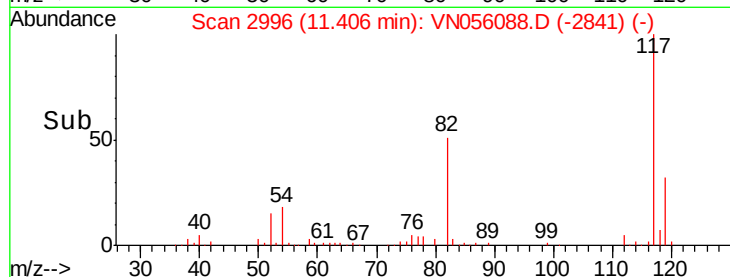
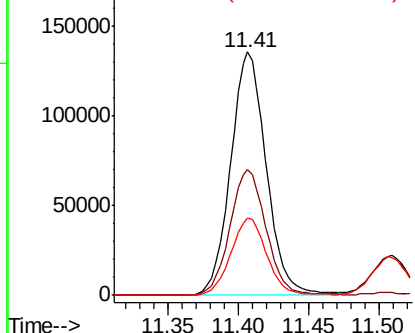
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS01

Tot Ion:117 Resp: 239972
Ion Ratio Lower Upper
117 100
82 52.5 41.2 61.8
119 32.1 26.2 39.2

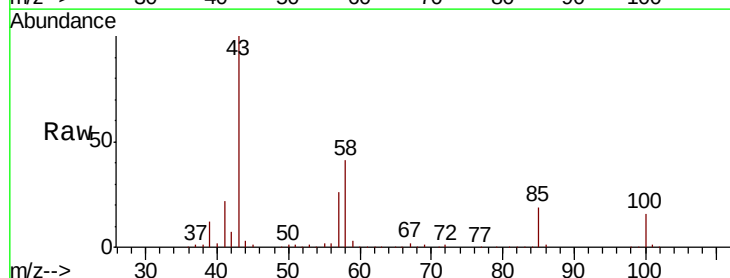


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

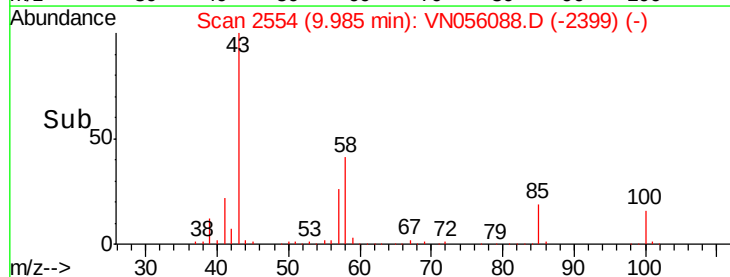
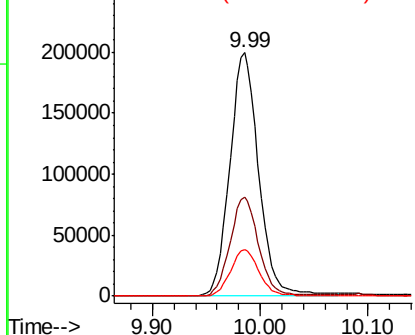


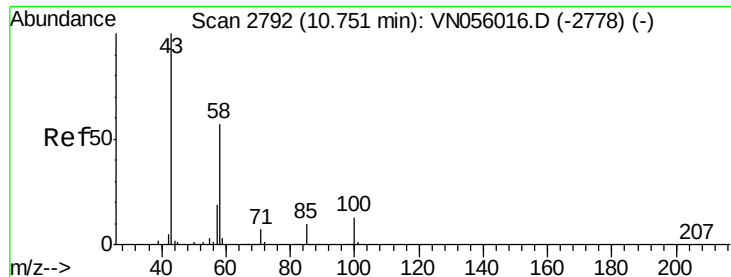
#58
4-Methyl-2-Pentanone
Concen: 102.388 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 43 Resp: 372055
Ion Ratio Lower Upper
43 100
58 40.5 33.1 49.7
85 19.0 15.5 23.3



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

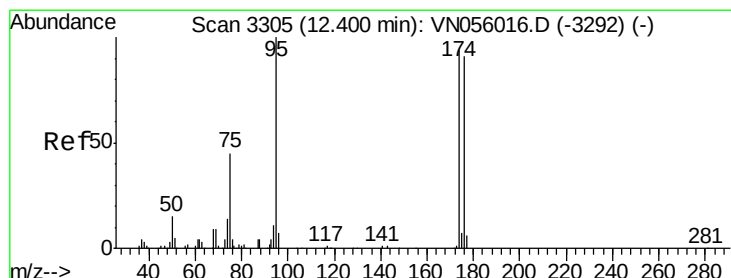
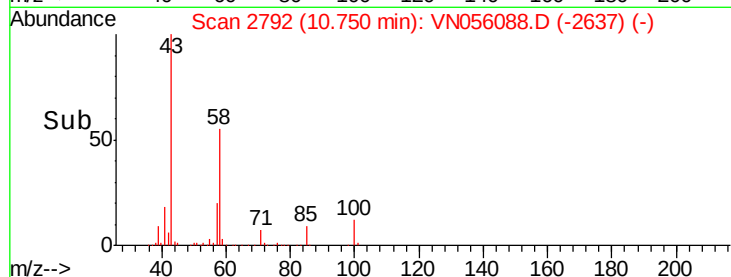
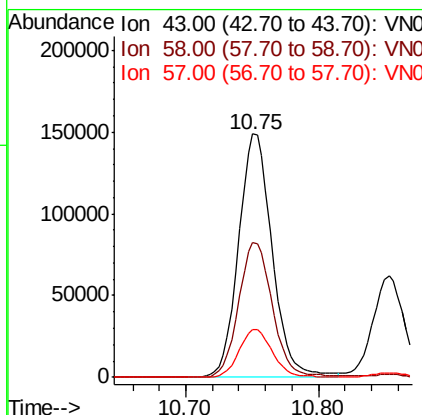
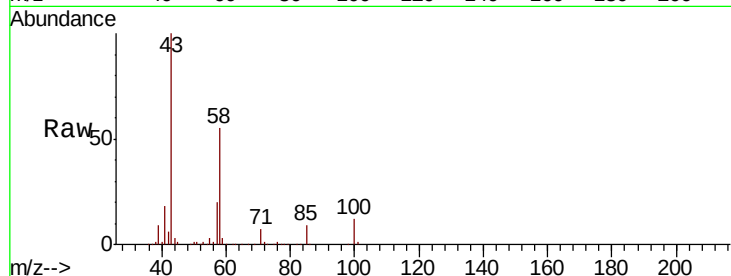




#59
2-Hexanone
Concen: 100.547 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

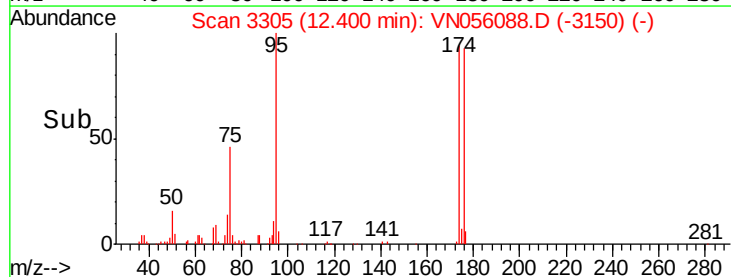
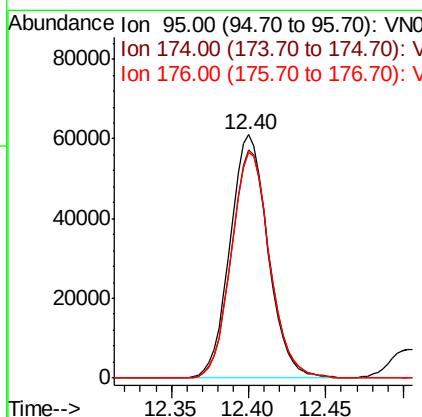
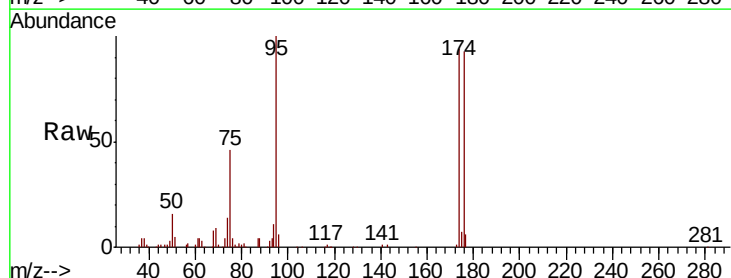
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

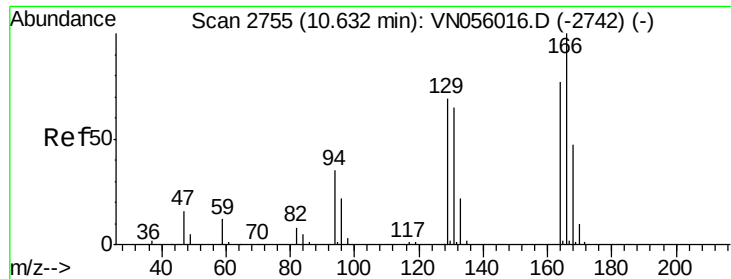
Tot Ion	43	Resp	261143
Ion Ratio	Lower	Upper	
43	100		
58	56.2	45.3	67.9
57	19.7	15.6	23.4



#60
4-Bromofluorobenzene
Concen: 29.240 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion	95	Resp	104002
Ion Ratio	Lower	Upper	
95	100		
174	93.9	75.4	113.0
176	93.6	73.9	110.9





#61

Tetrachloroethene

Concen: 20.468 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion:164 Resp: 68454

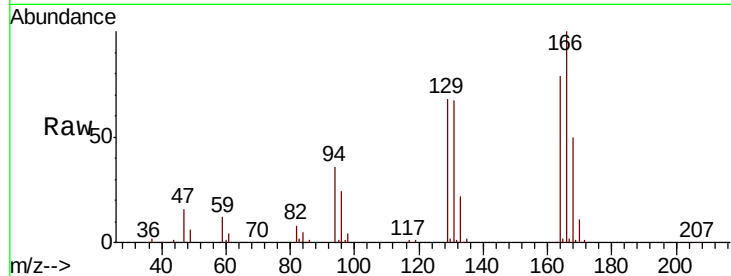
Ion Ratio Lower Upper

164 100

166 126.5 104.3 156.5

129 86.6 71.5 107.3

131 85.2 67.7 101.5

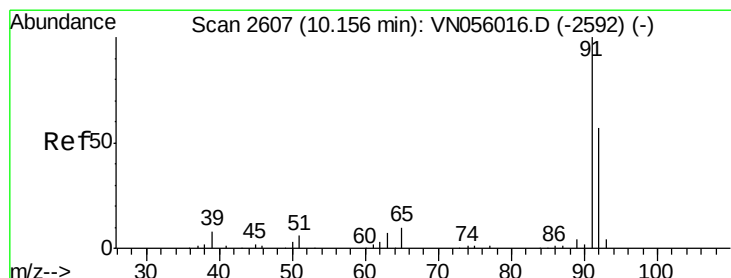
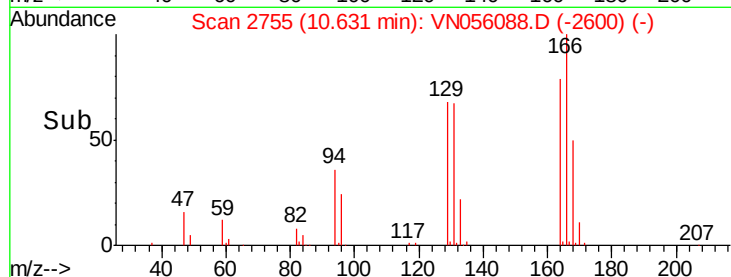
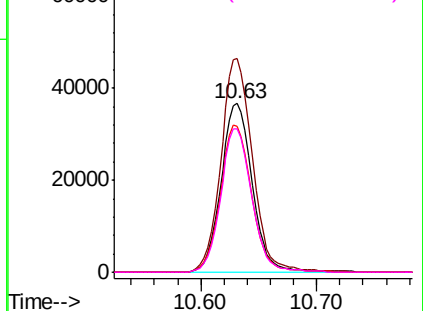


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.551 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056088.D

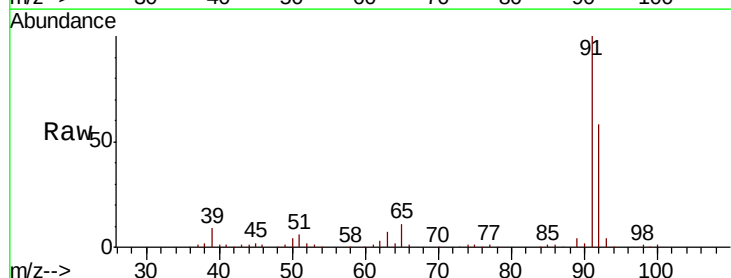
Acq: 7 Jun 2019 10:10

Tgt Ion: 91 Resp: 266231

Ion Ratio Lower Upper

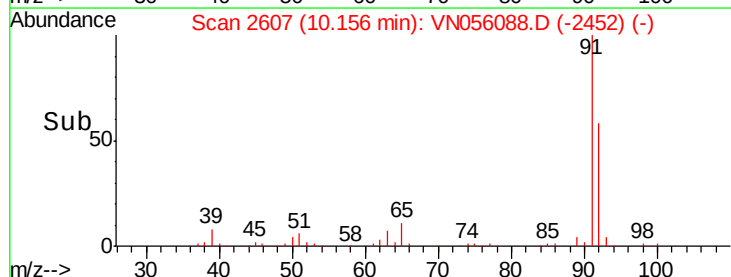
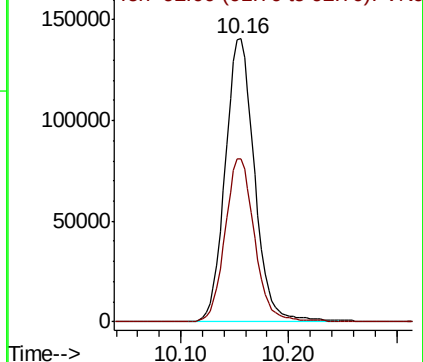
91 100

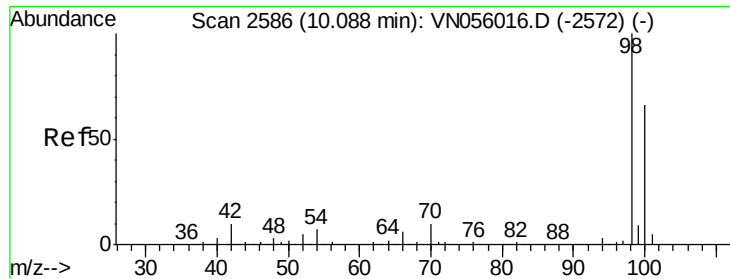
92 57.7 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

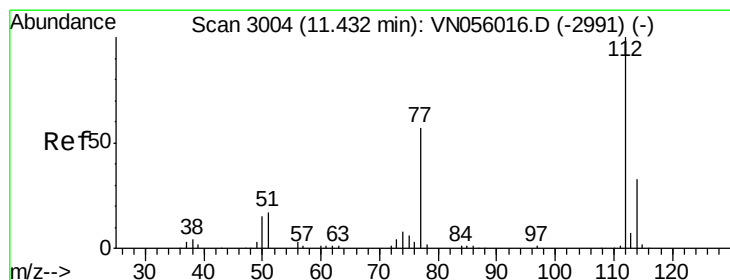
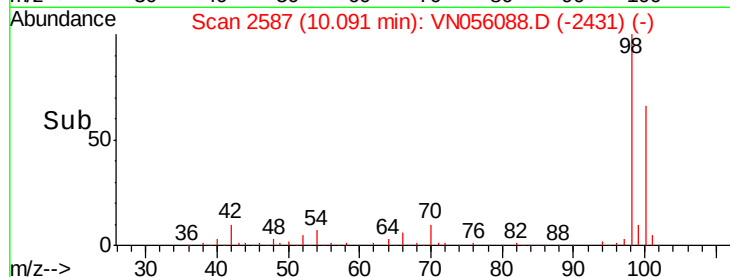
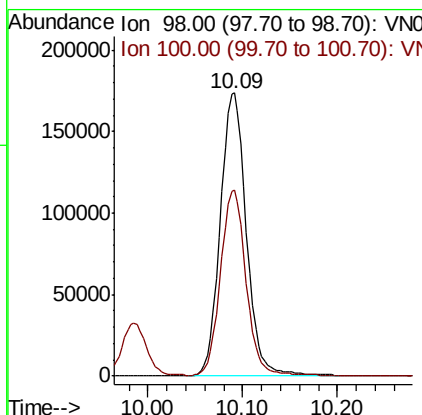
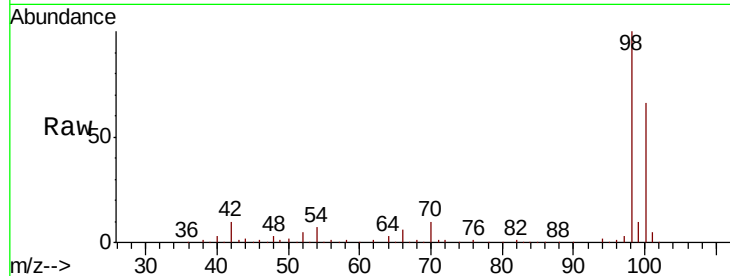




#63
Toluene-d8
Concen: 30.659 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

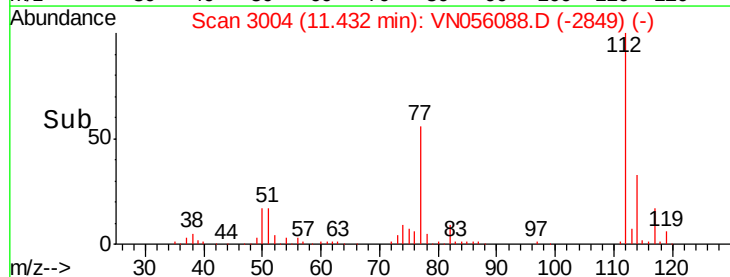
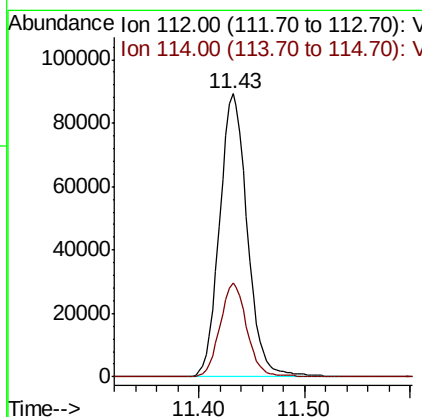
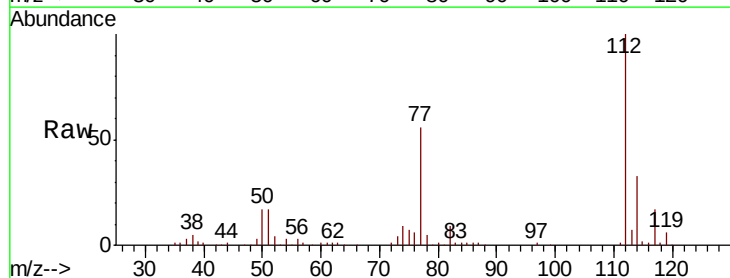
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

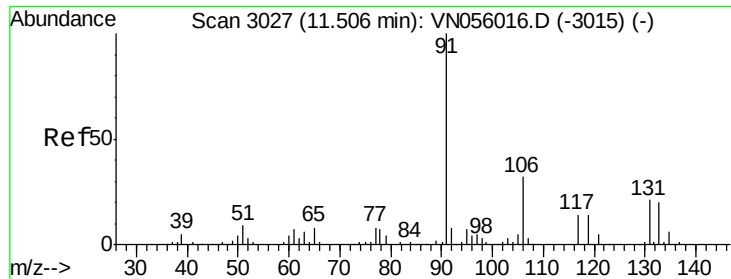
Tot Ion: 98 Resp: 333753
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4



#64
Chlorobenzene
Concen: 20.695 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 112 Resp: 162619
Ion Ratio Lower Upper
112 100
114 33.2 26.1 39.1

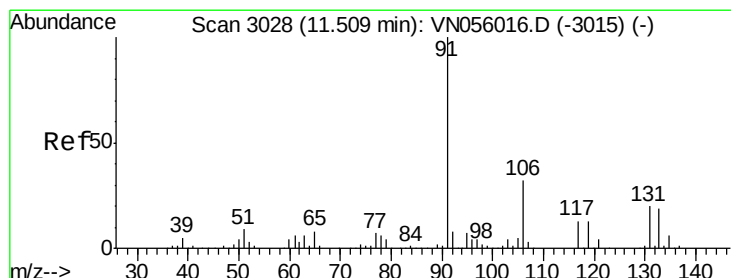
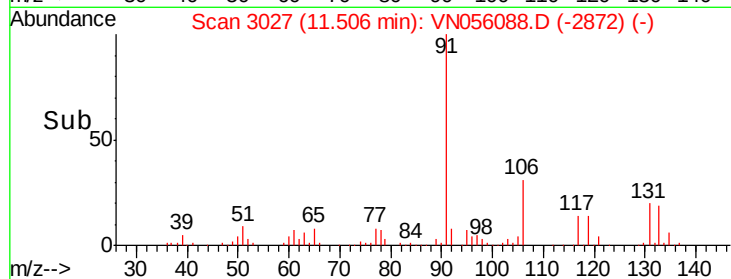
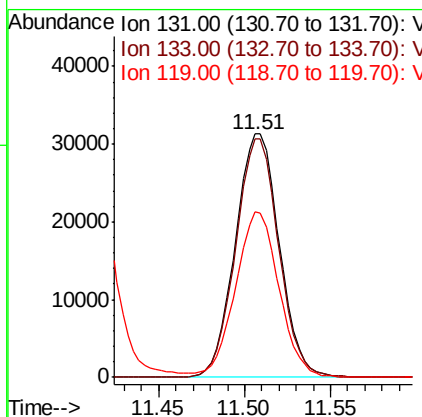
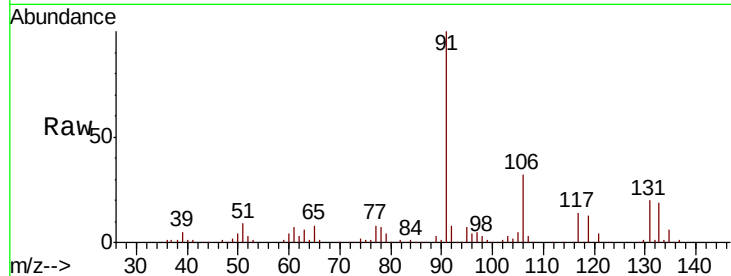




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.587 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

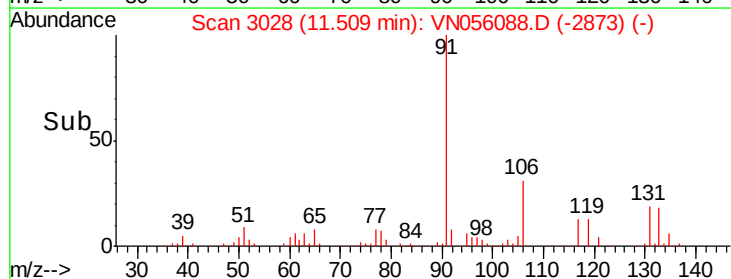
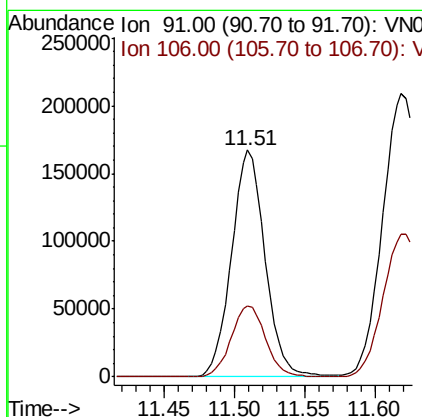
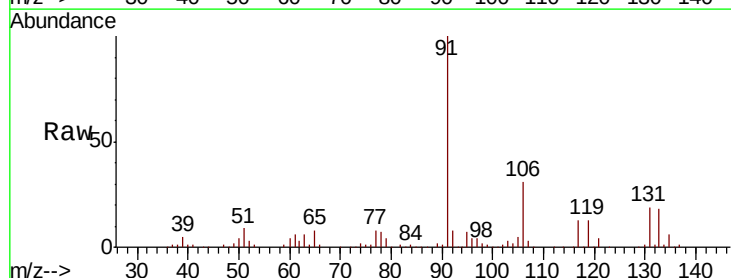
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

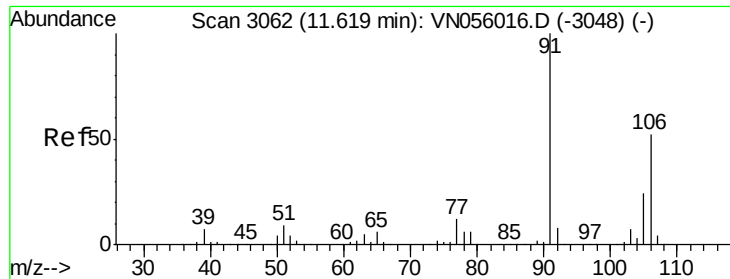
Tot Ion:131 Resp: 55499
 Ion Ratio Lower Upper
 131 100
 133 96.2 0.0 193.8
 119 67.4 0.0 134.4



#66
 Ethyl Benzene
 Concen: 20.251 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion: 91 Resp: 279419
 Ion Ratio Lower Upper
 91 100
 106 31.5 25.7 38.5

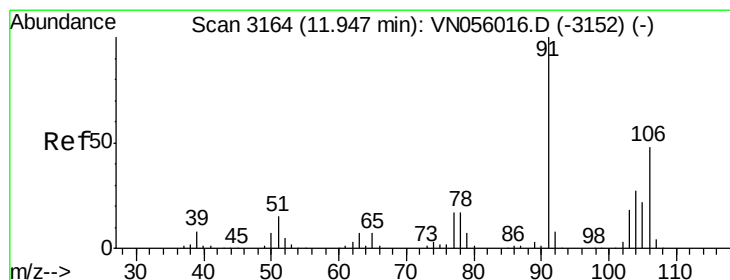
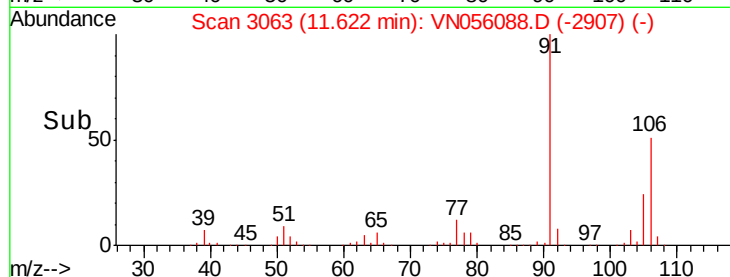
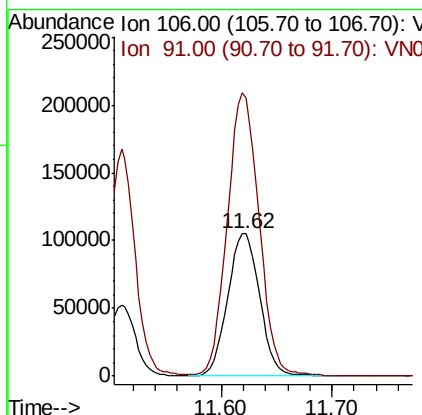
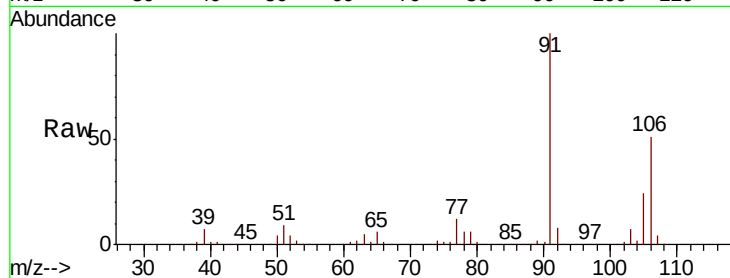




#67
m/p-Xylenes
Concen: 40.034 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

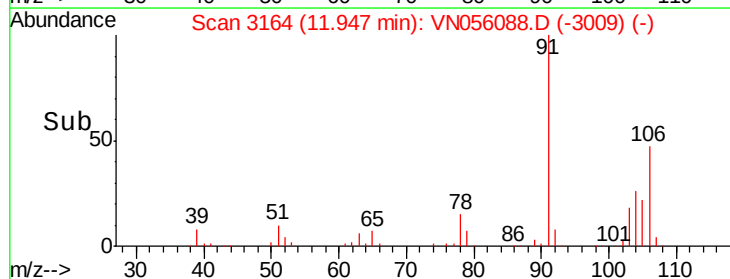
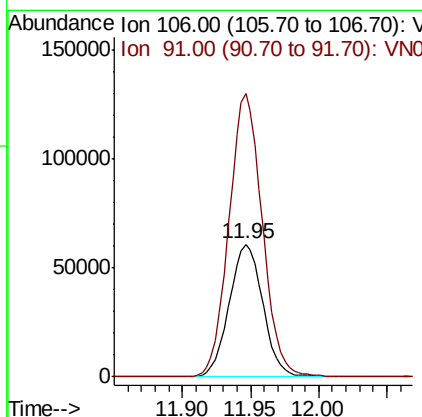
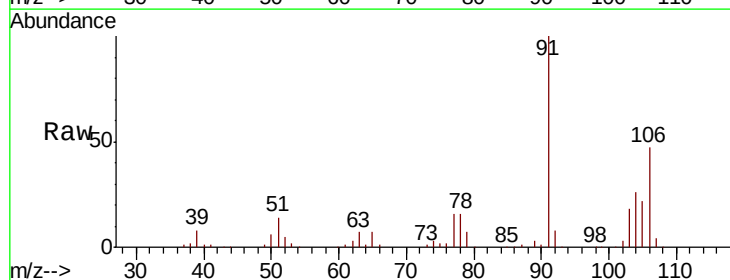
Instrument :
MSVOA_N
ClientSampled :
VN0608WBS01

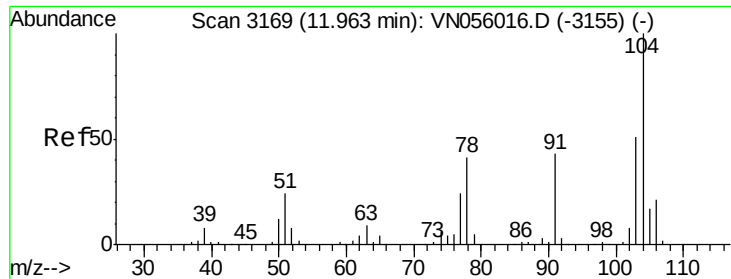
Tot Ion:106 Resp: 211434
Ion Ratio Lower Upper
106 100
91 198.2 155.7 233.5



#68
o-Xylene
Concen: 20.194 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion:106 Resp: 104413
Ion Ratio Lower Upper
106 100
91 210.9 103.9 311.7

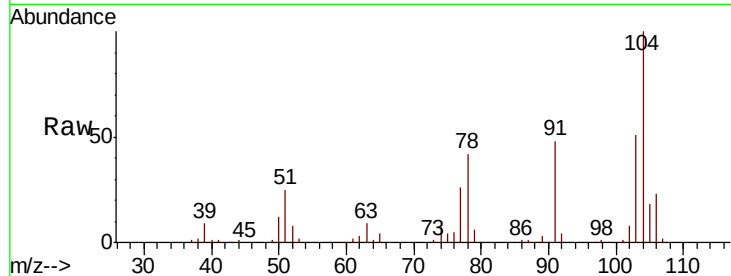




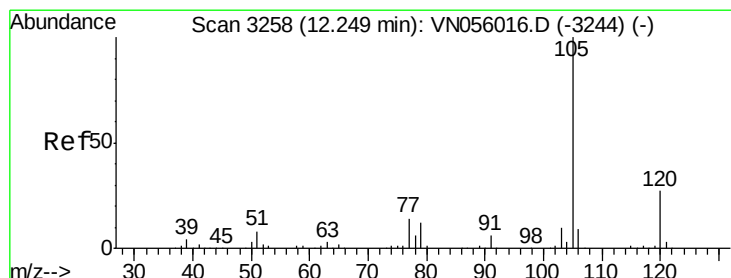
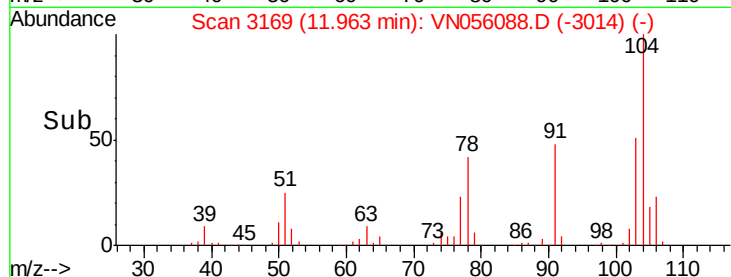
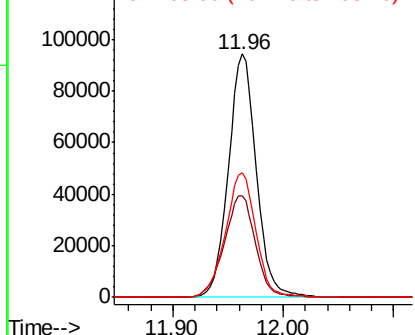
#69
Stvrene
Concen: 19.703 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion:104 Resp: 165517
Ion Ratio Lower Upper
104 100
78 46.7 37.0 55.6
103 55.7 44.4 66.6

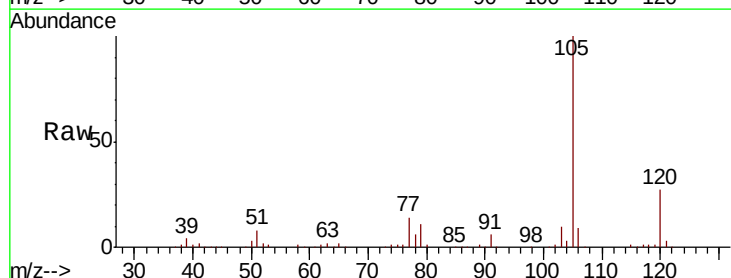


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

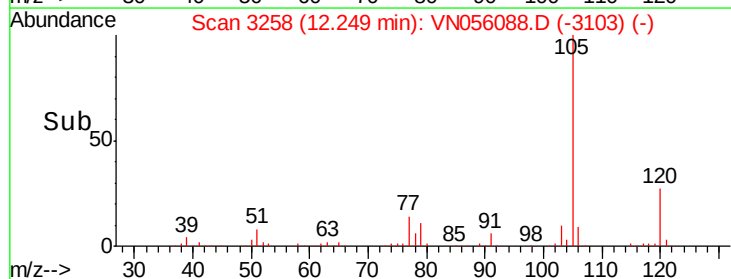
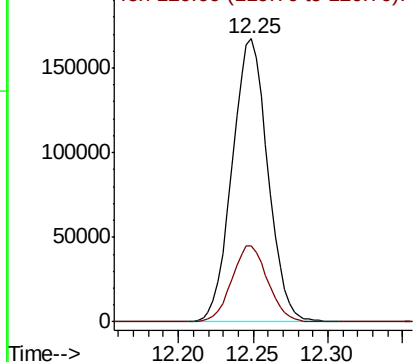


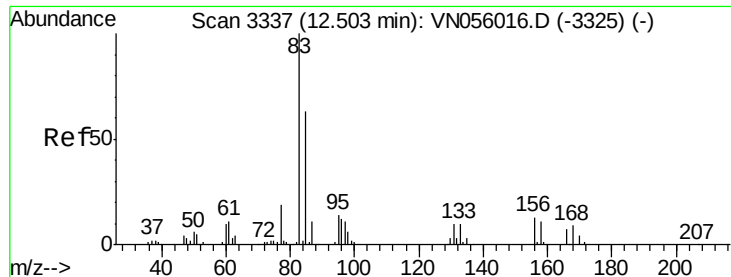
#70
Isopropylbenzene
Concen: 20.556 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion:105 Resp: 277695
Ion Ratio Lower Upper
105 100
120 27.1 19.3 35.8



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

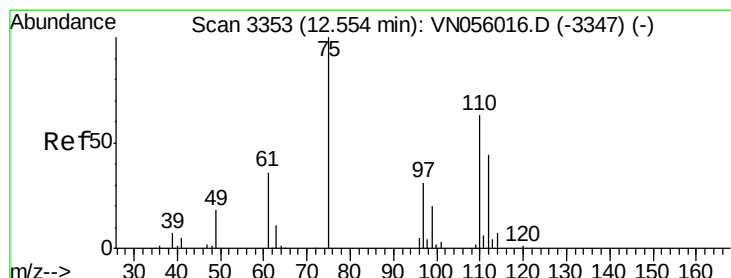
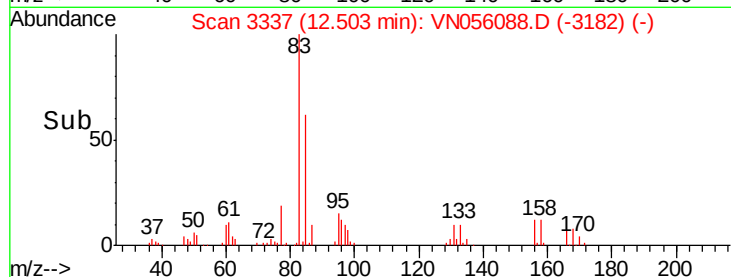
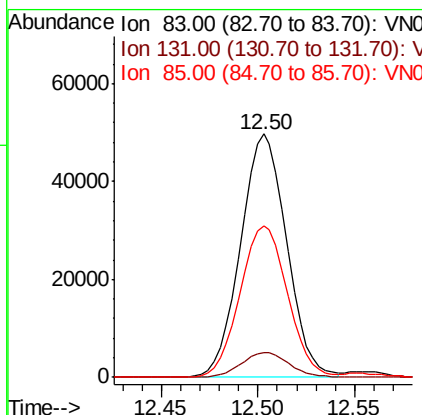
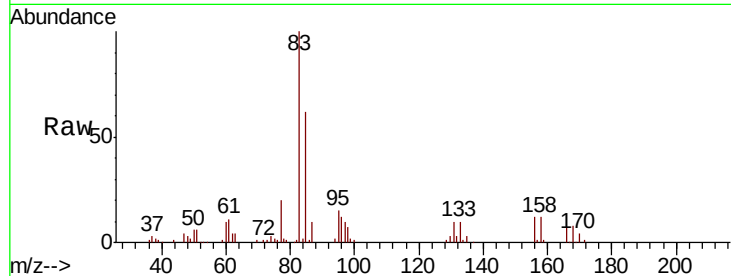




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.274 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

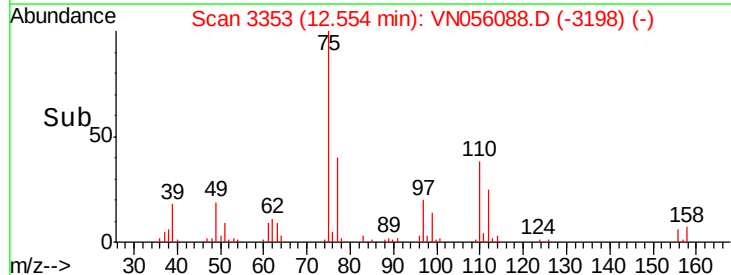
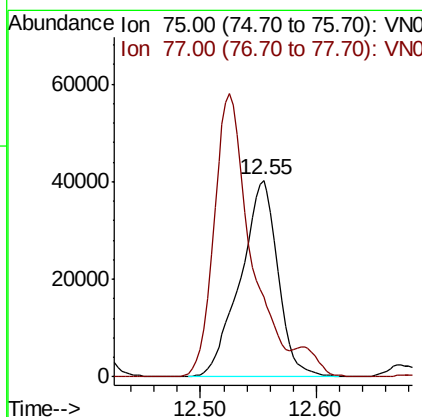
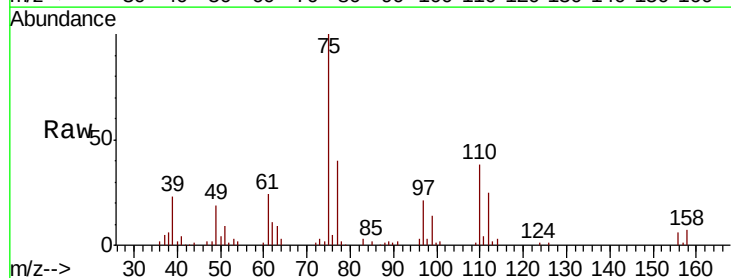
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

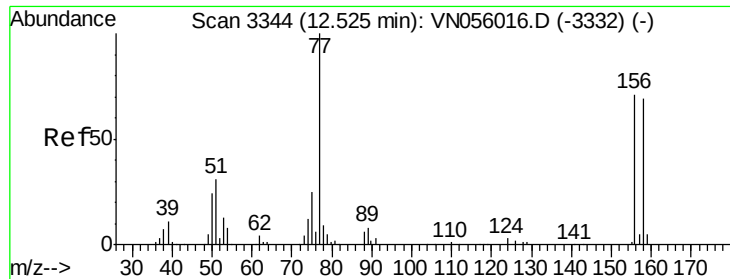
Tot Ion	83	Resp	82573
Ion Ratio	100		
Lower	5.2		
Upper	15.6		
85	64.3	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 25.866 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion	75	Resp	91201
Ion Ratio	100		
Lower	0.0		
Upper	350.0		
77	138.6		





#73

Bromobenzene

Concen: 19.837 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

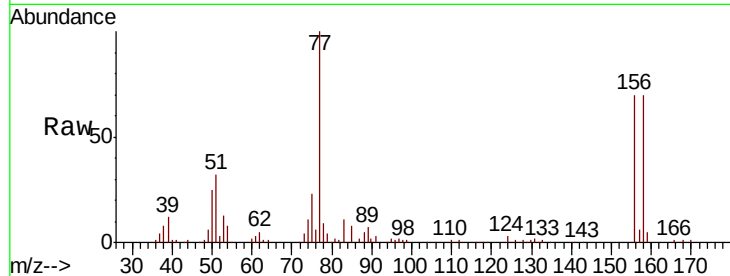
Tot Ion:156 Resp: 71130

Ion Ratio Lower Upper

156 100

77 177.8 0.0 350.8

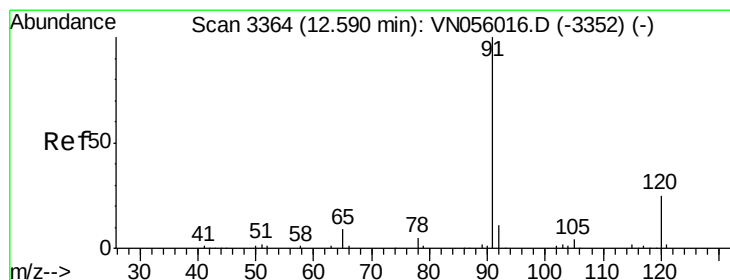
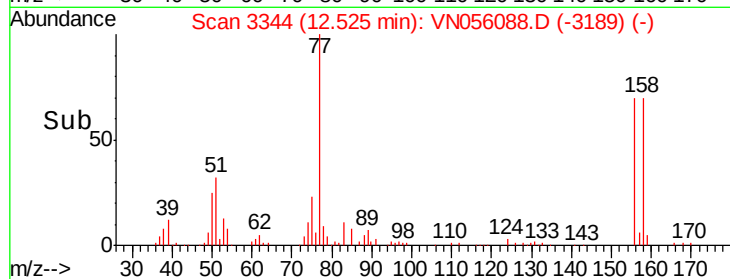
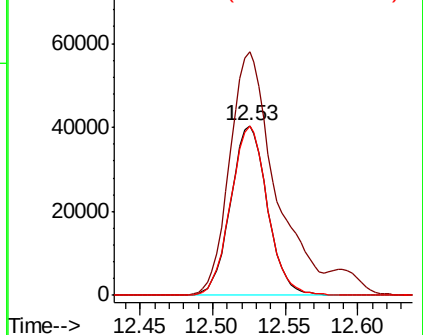
158 99.8 0.0 193.2



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: 19.973 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056088.D

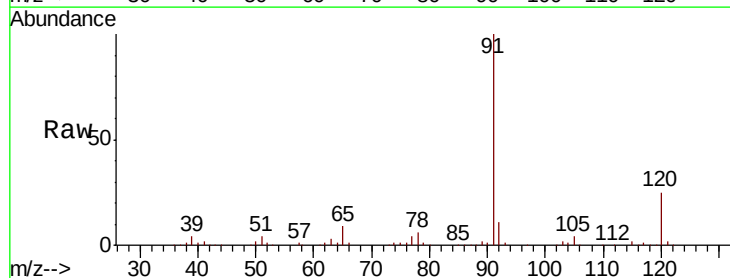
Acq: 7 Jun 2019 10:10

Tgt Ion: 91 Resp: 284740

Ion Ratio Lower Upper

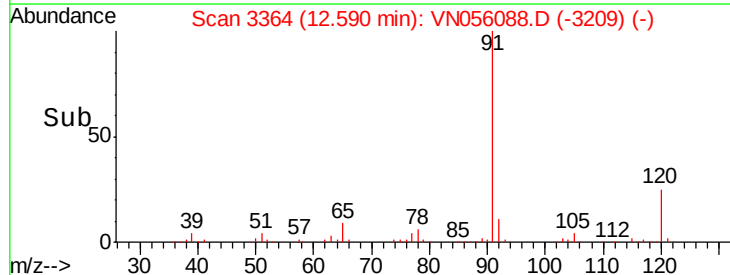
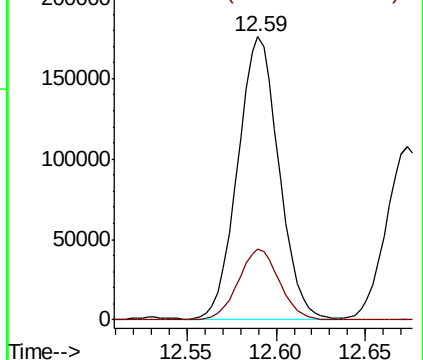
91 100

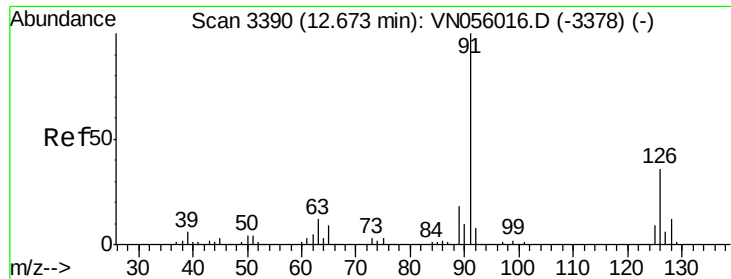
120 24.8 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.230 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampled :

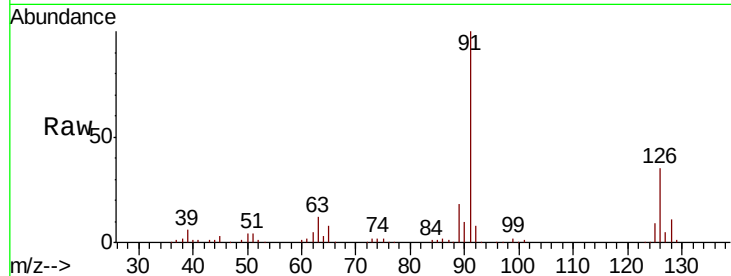
VN0608WBS01

Tot Ion: 91 Resp: 178887

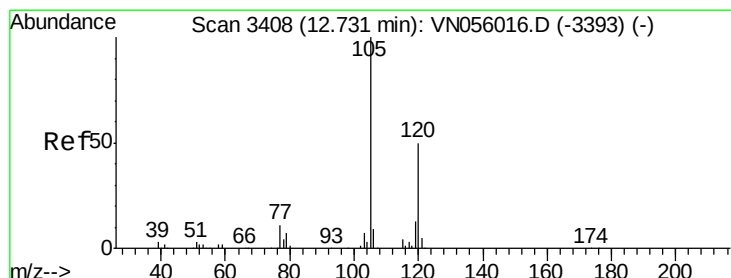
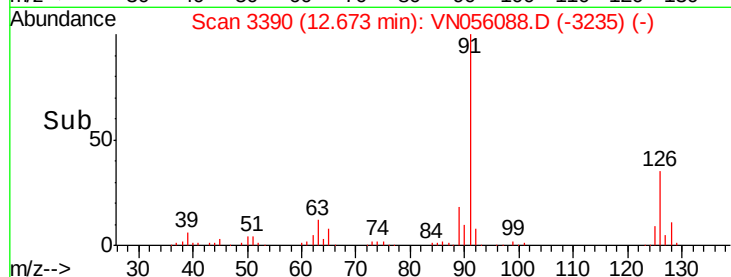
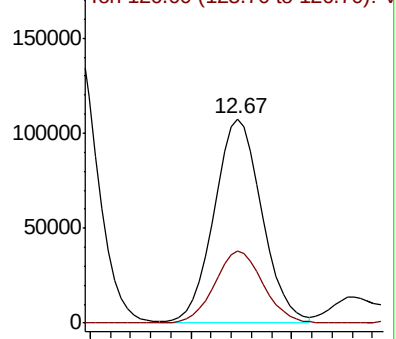
Ion Ratio Lower Upper

91 100

126 35.8 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.365 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056088.D

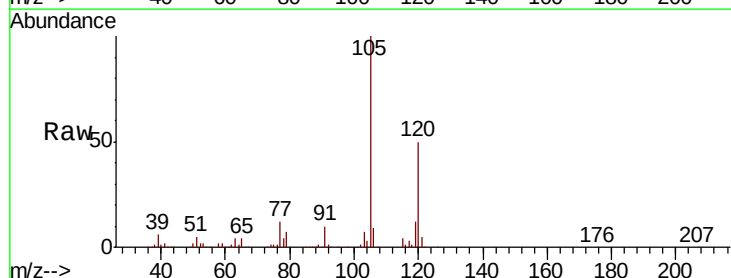
Acq: 7 Jun 2019 10:10

Tgt Ion:105 Resp: 226298

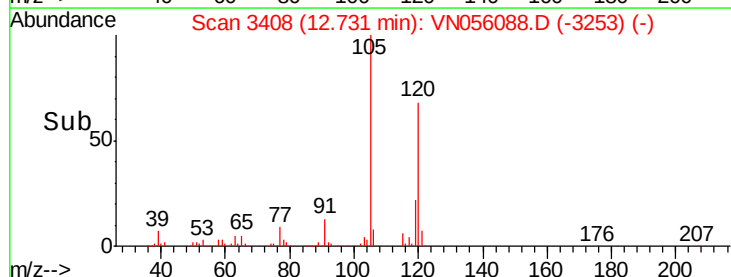
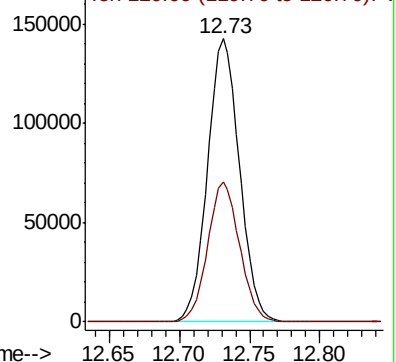
Ion Ratio Lower Upper

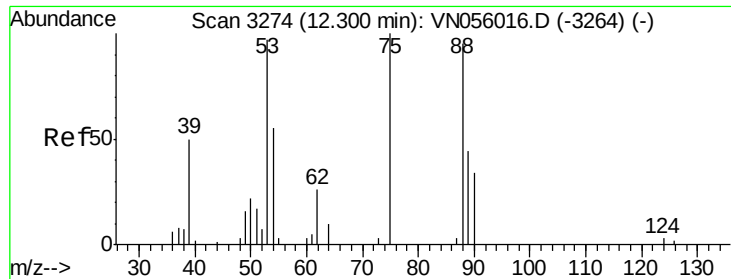
105 100

120 49.3 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056016.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 15.588 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS01

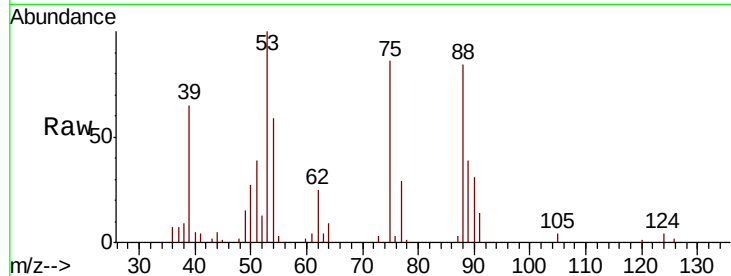
Tot Ion: 75 Resp: 15682

Ion Ratio Lower Upper

75 100

53 116.8 48.0 144.0

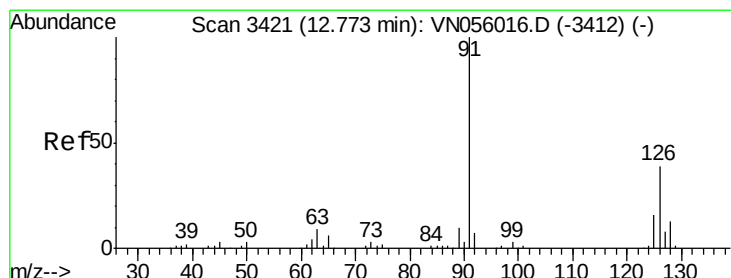
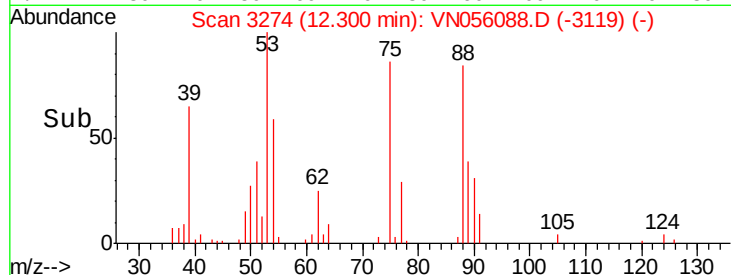
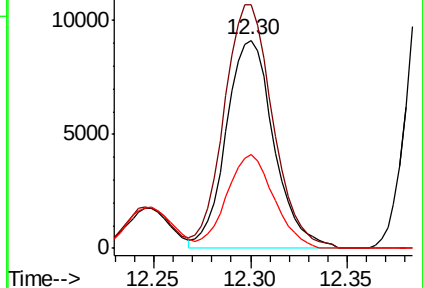
89 45.2 22.5 67.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.422 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN056088.D

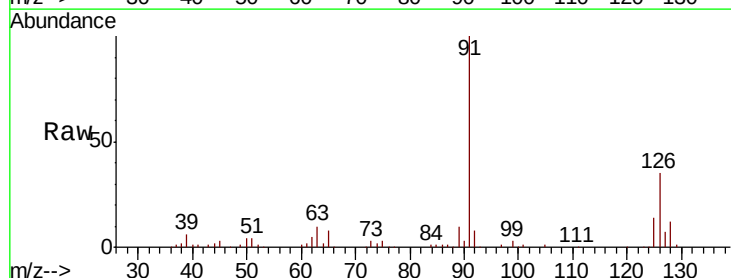
Acq: 7 Jun 2019 10:10

Tgt Ion: 91 Resp: 160391

Ion Ratio Lower Upper

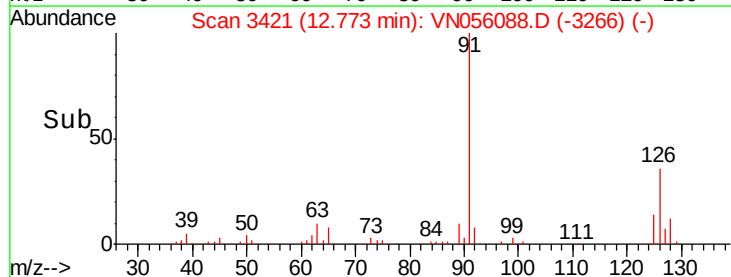
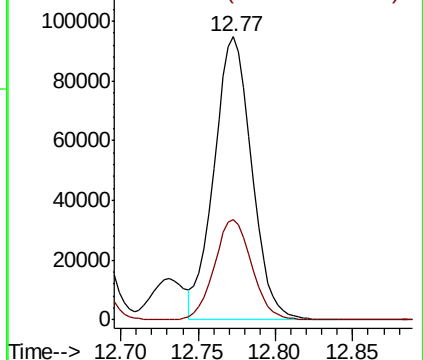
91 100

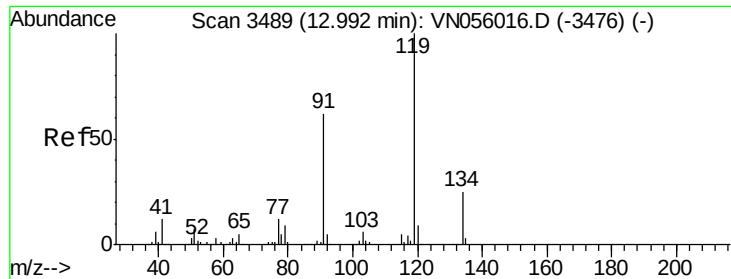
126 35.3 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.960 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS01

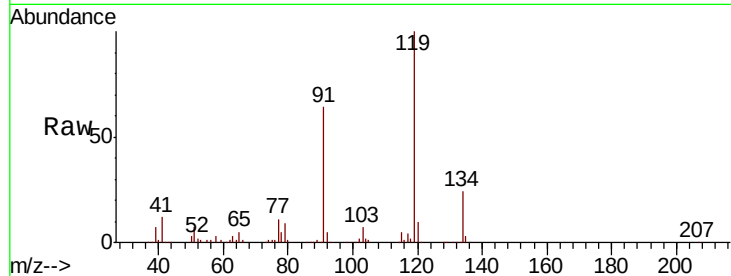
Tot Ion:119 Resp: 196506

Ion Ratio Lower Upper

119 100

91 63.2 0.0 122.8

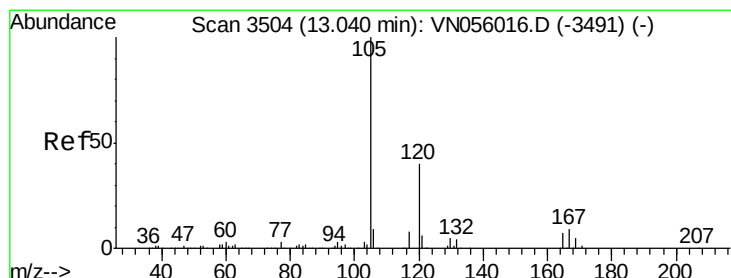
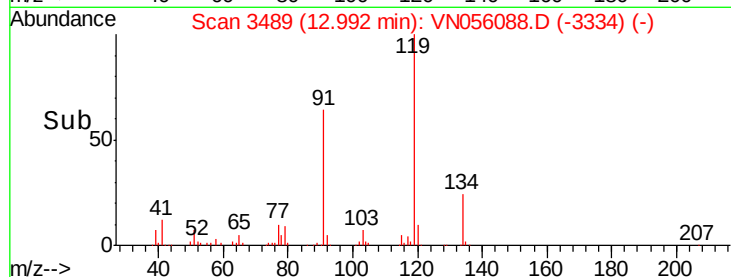
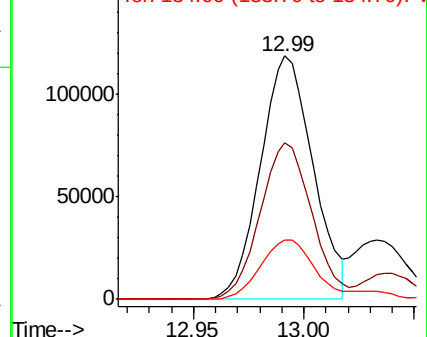
134 25.4 0.0 50.2



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: 19.953 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN056088.D

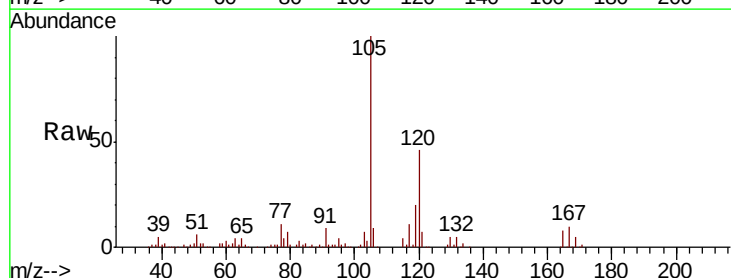
Acq: 7 Jun 2019 10:10

Tgt Ion:105 Resp: 215679

Ion Ratio Lower Upper

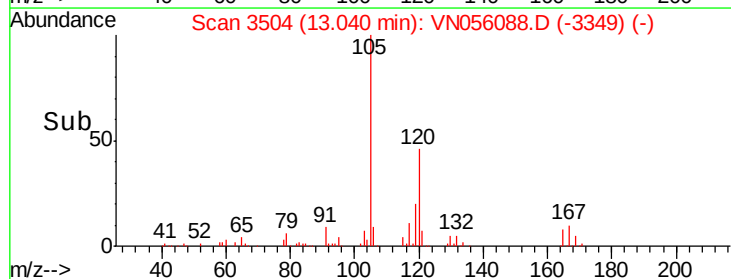
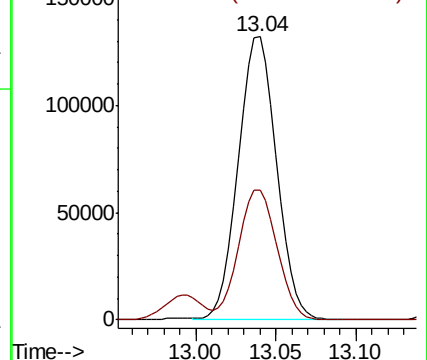
105 100

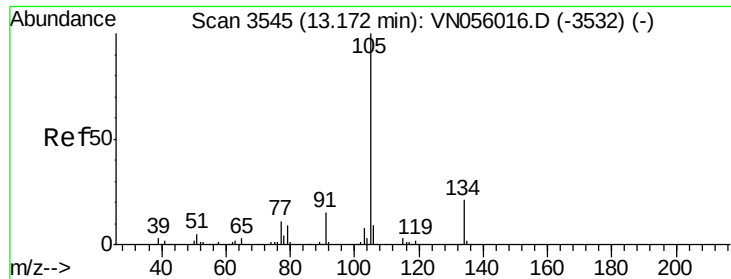
120 46.2 0.0 93.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 20.163 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampled :

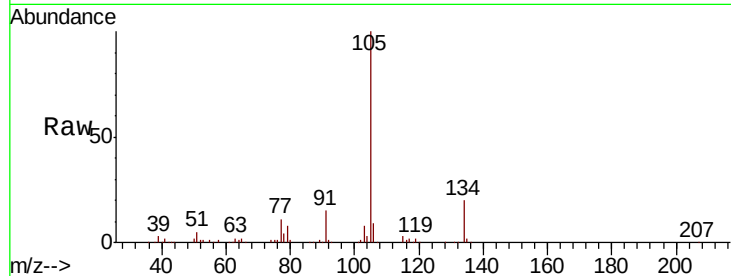
VN0608WBS01

Tot Ion:105 Resp: 251107

Ion Ratio Lower Upper

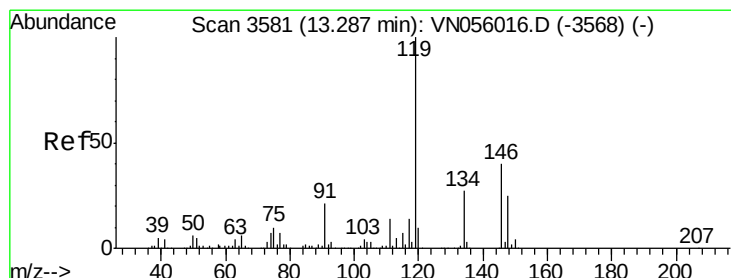
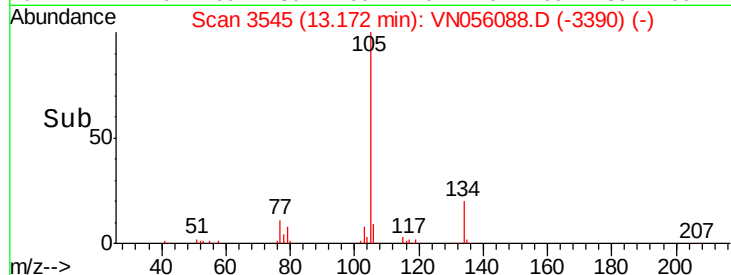
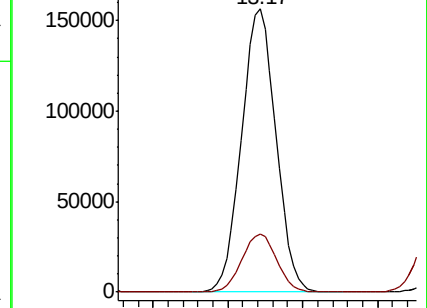
105 100

134 20.7 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.566 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

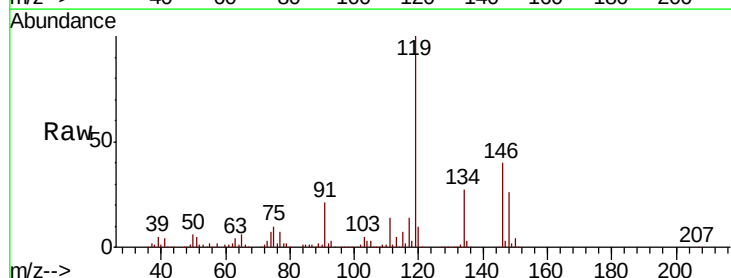
Tgt Ion:119 Resp: 220311

Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.4

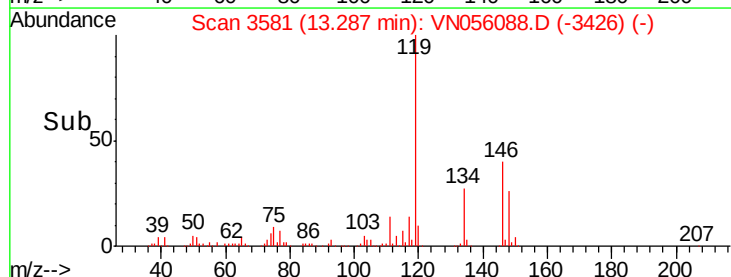
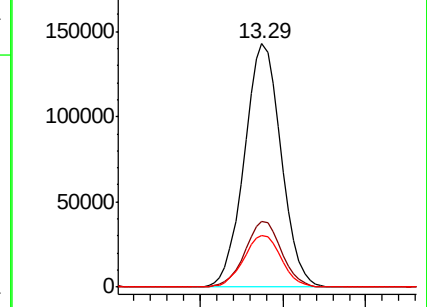
91 21.7 0.0 43.0

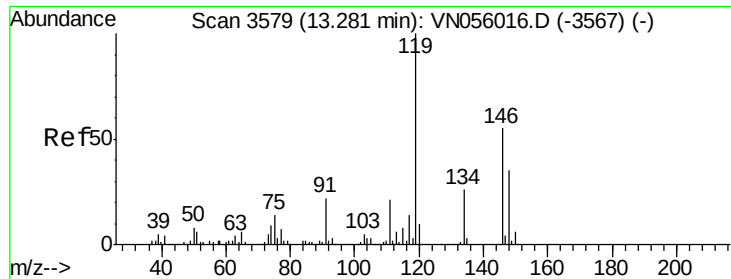


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

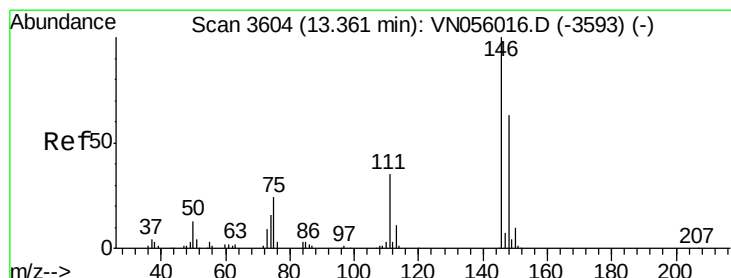
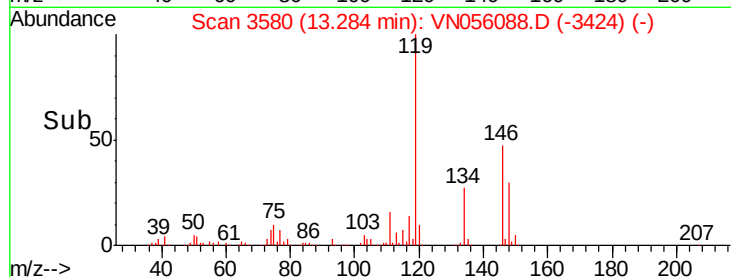
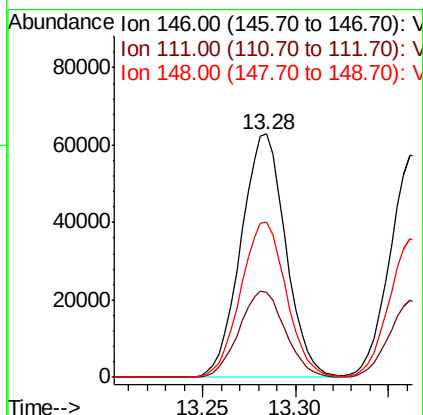
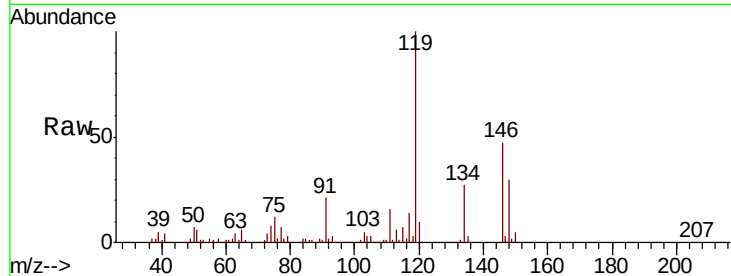




#83
 1,3-Dichlorobenzene
 Concen: 18.946 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

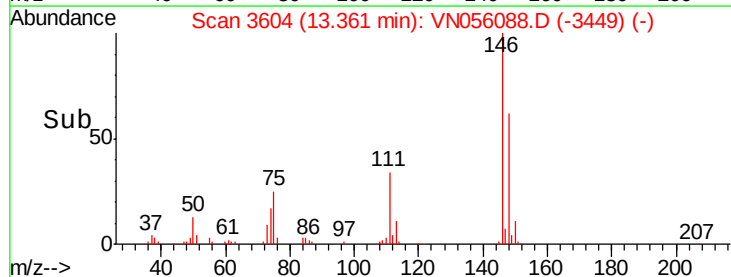
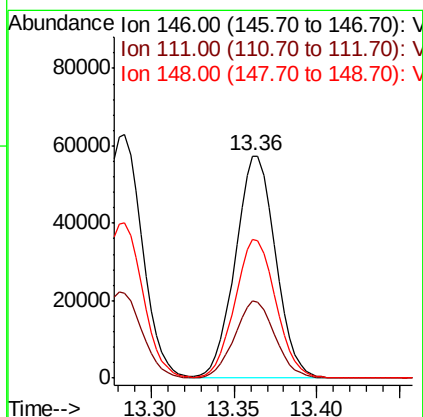
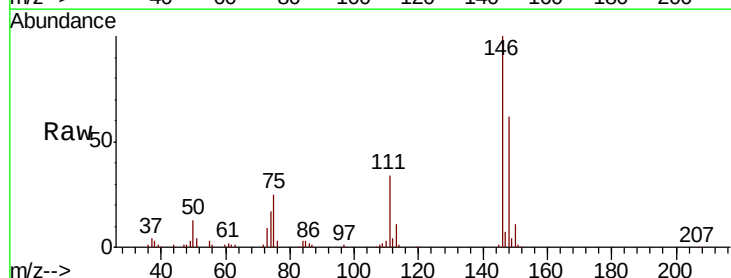
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

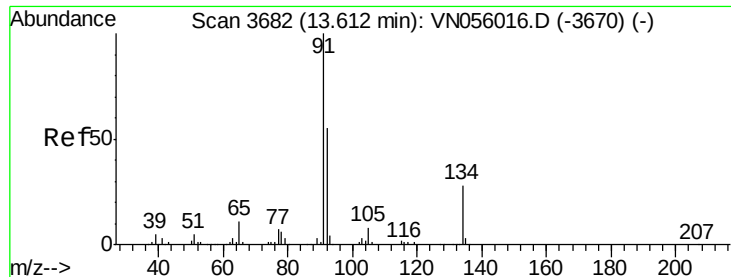
Tot Ion:146 Resp: 105868
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.2 54.6
 148 64.8 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 18.173 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion:146 Resp: 96729
 Ion Ratio Lower Upper
 146 100
 111 34.9 17.6 52.9
 148 63.9 32.1 96.3





#85

n-Butylbenzene

Concen: 17.772 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS01

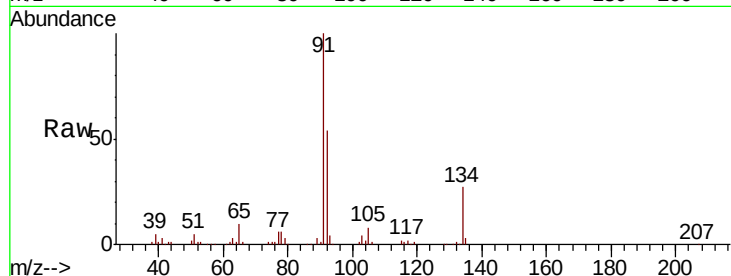
Tot Ion: 91 Resp: 149348

Ion Ratio Lower Upper

91 100

92 53.5 0.0 107.2

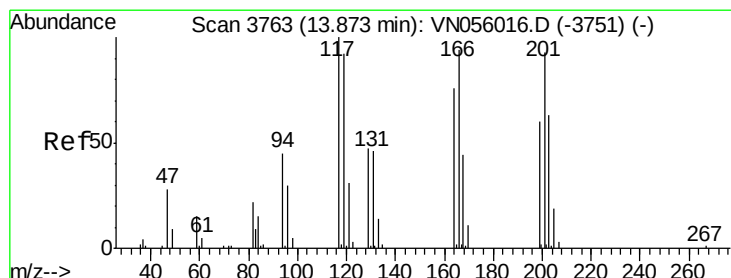
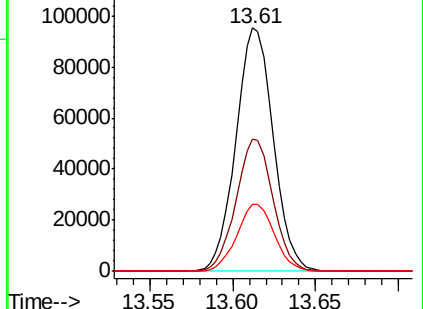
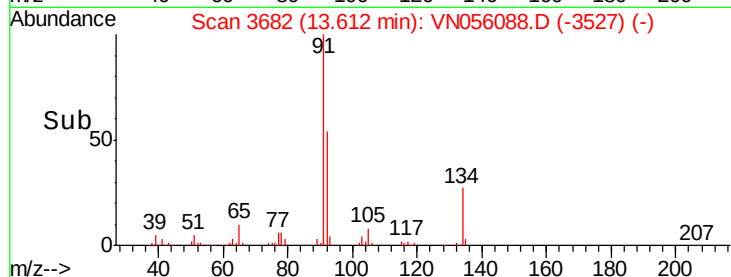
134 27.6 0.0 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN056016.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN056016.D (-3670) (-)



#86

Hexachloroethane

Concen: 18.104 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056088.D

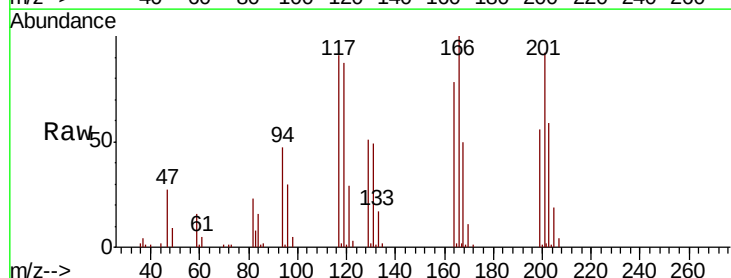
Acq: 7 Jun 2019 10:10

Tgt Ion: 117 Resp: 31780

Ion Ratio Lower Upper

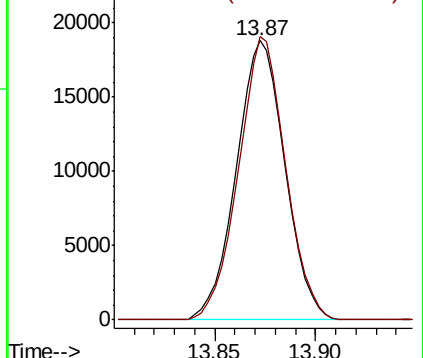
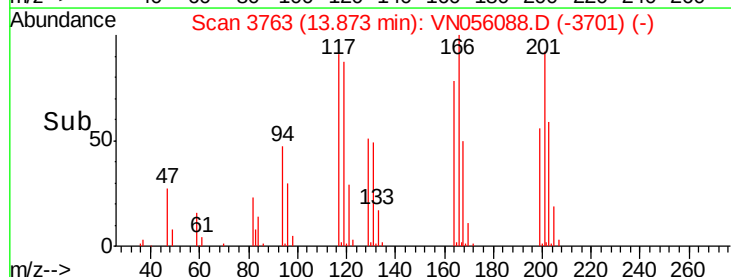
117 100

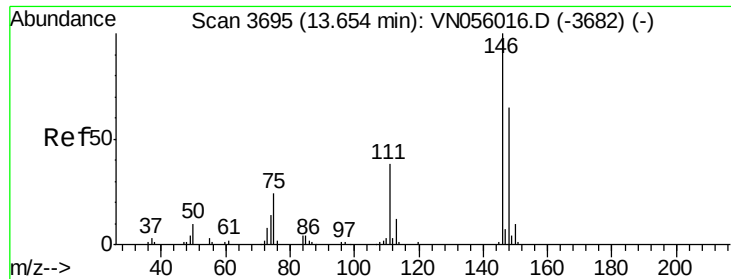
201 97.7 48.1 144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056016.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056016.D (-3751) (-)

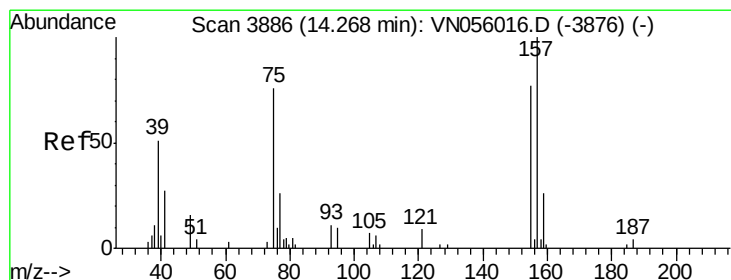
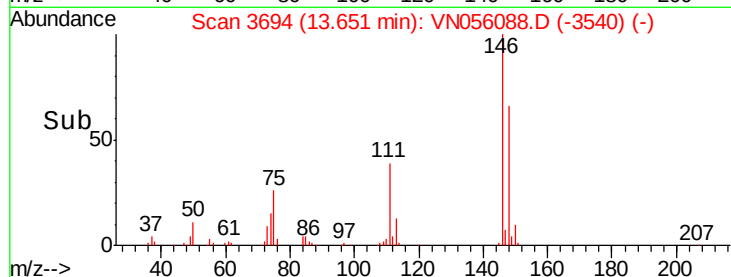
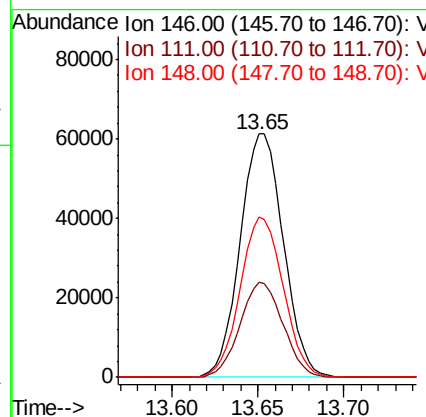
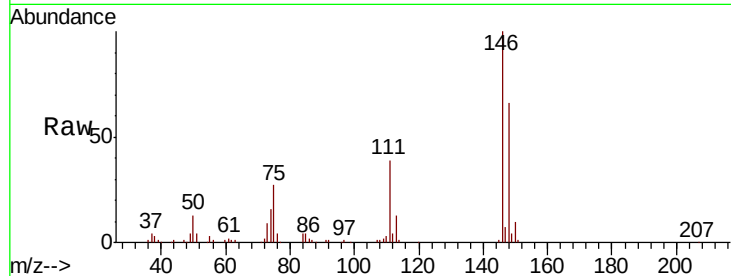




#87
 1,2-Dichlorobenzene
 Concen: 18.915 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

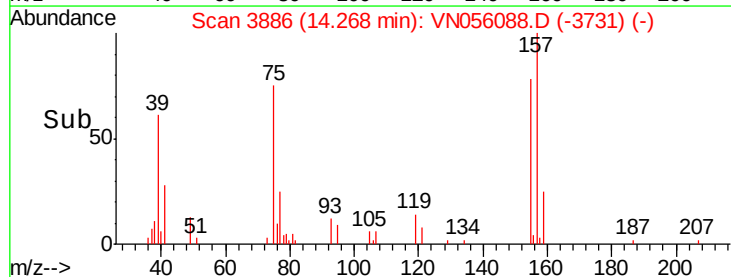
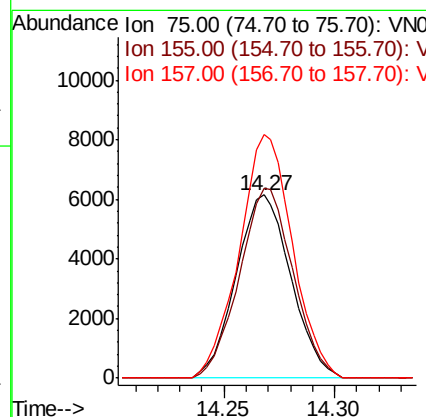
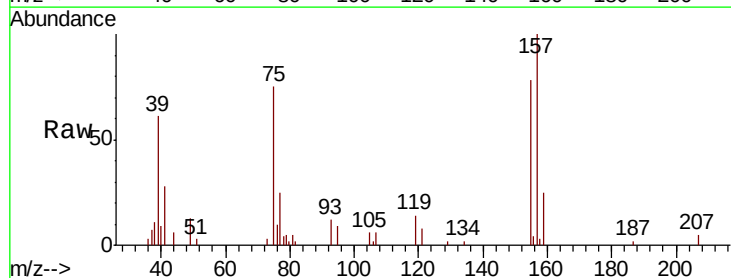
Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBS01

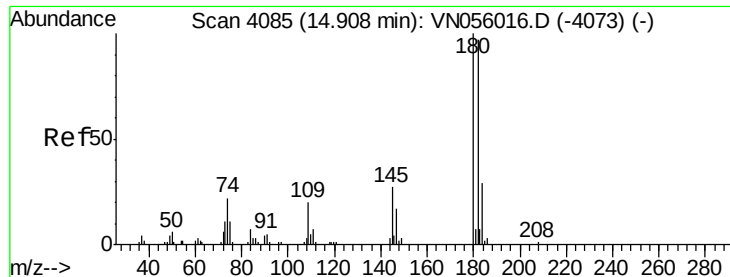
Tot Ion:146 Resp: 107435
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.9
 148 65.2 32.6 97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.586 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion: 75 Resp: 10604
 Ion Ratio Lower Upper
 75 100
 155 101.8 82.5 123.7
 157 129.0 105.1 157.7

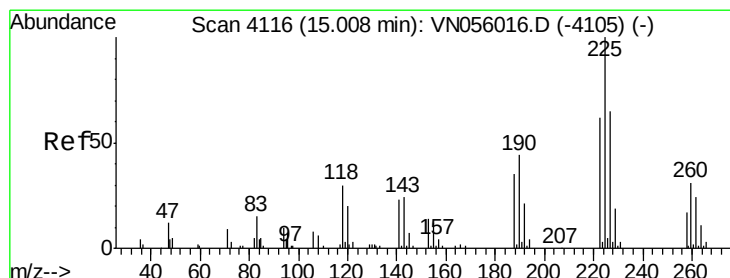
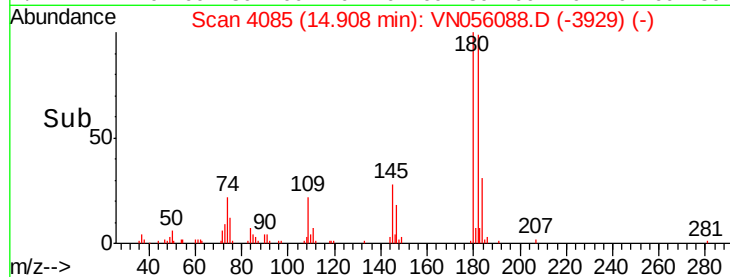
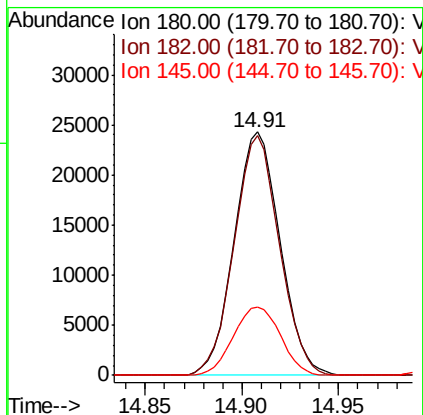
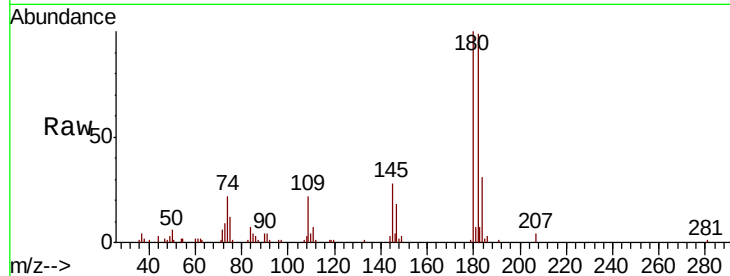




#89
 1,2,4-Trichlorobenzene
 Concen: 18.625 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

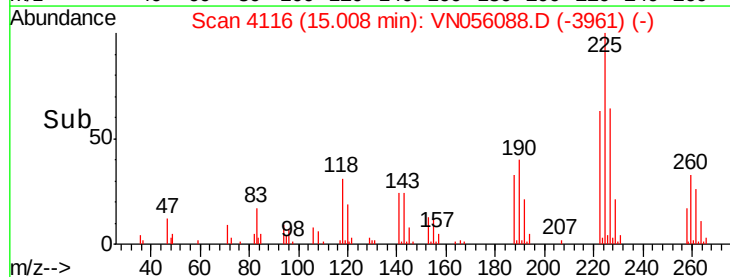
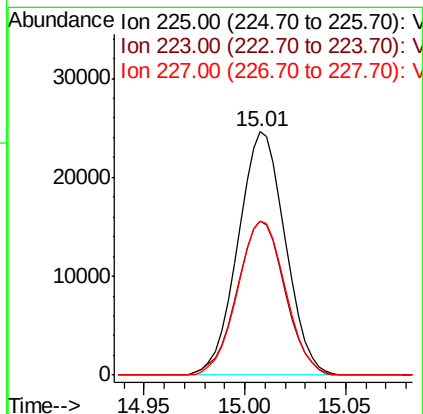
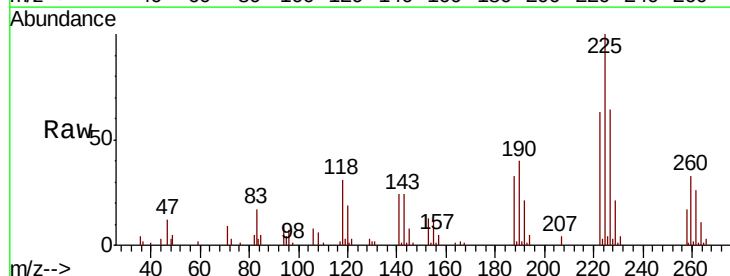
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

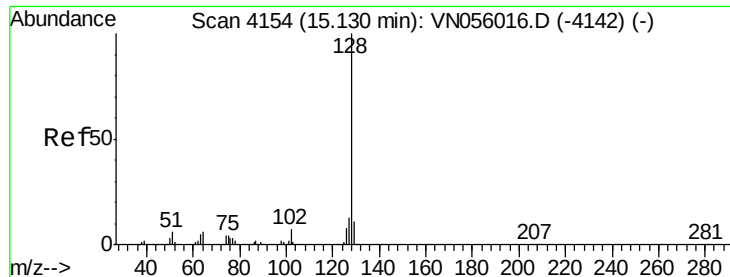
Tot Ion:180 Resp: 40120
 Ion Ratio Lower Upper
 180 100
 182 97.0 75.0 112.6
 145 28.8 22.1 33.1



#90
 Hexachlorobutadiene
 Concen: 19.436 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion:225 Resp: 40302
 Ion Ratio Lower Upper
 225 100
 223 64.2 0.0 125.6
 227 64.3 0.0 128.6





#91

Naphthalene

Concen: 14.560 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

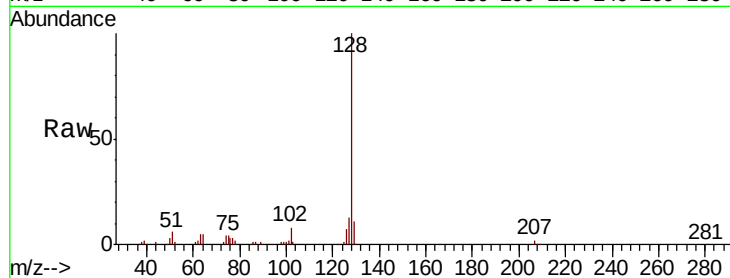
Tot Ion:128 Resp: 109833

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

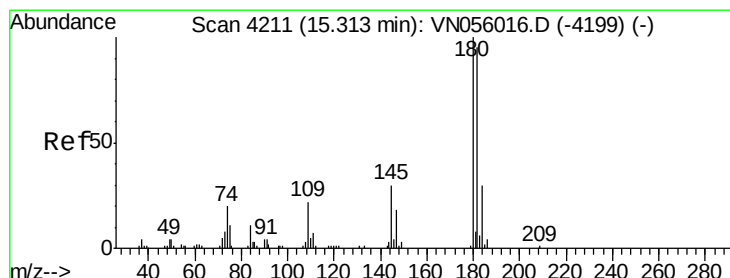
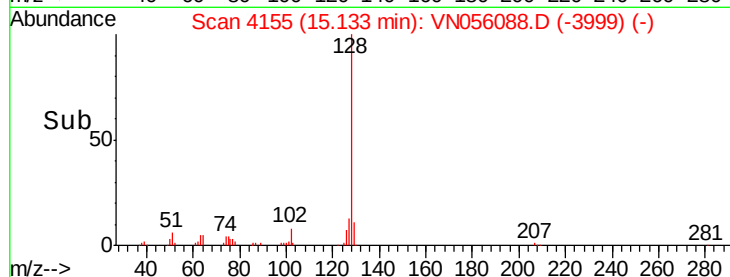
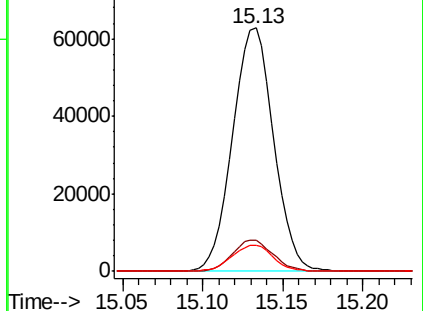
129 10.9 8.7 13.1



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: 16.238 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

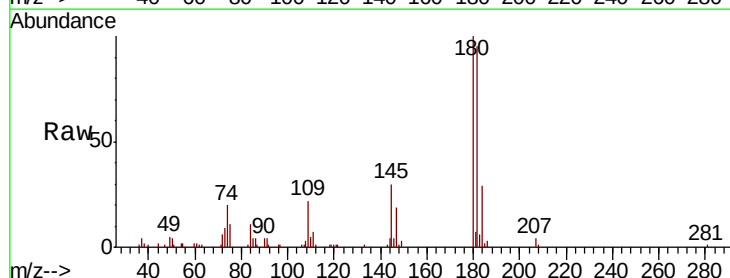
Tgt Ion:180 Resp: 48279

Ion Ratio Lower Upper

180 100

182 97.3 0.0 193.4

145 28.9 0.0 59.8



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

