

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059116.D
 Acq On : 7 Nov 2019 12:58
 Operator : JC/SP
 Sample : VN1107WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Quant Time: Nov 08 01:09:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	71806	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	400910	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	359219	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.00	65	171124	28.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.60%
60) 4-Bromofluorobenzene	12.40	95	179349	28.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.13%
63) Toluene-d8	10.08	98	516437	30.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	76135	19.569	ug/l 99
3) Chloromethane	2.04	50	107538	20.693	ug/l 98
4) Vinyl Chloride	2.17	62	112231	20.895	ug/l 98
5) Bromomethane	2.55	94	64881	19.565	ug/l 99
6) Chloroethane	2.68	64	66313	19.642	ug/l 94
7) Trichlorofluoromethane	3.00	101	138867	21.005	ug/l 99
8) Diethyl Ether	3.39	74	57080	22.638	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84156	22.000	ug/l 96
10) 1,1-Dichloroethene	3.72	96	82086	21.849	ug/l 87
11) Methyl Iodide	3.93	142	100726	19.251	ug/l 96
12) Methyl Acetate	4.30	43	134704	22.410	ug/l 96
13) Acrolein	3.58	56	70364	105.944	ug/l 99
14) Acrylonitrile	4.96	53	270203	114.083	ug/l 97
15) Acetone	3.79	58	89759	127.670	ug/l 88
16) Carbon Disulfide	4.03	76	230286	21.015	ug/l 100
17) Allyl chloride	4.29	41	147752	19.759	ug/l 89
18) Methylene Chloride	4.53	84	98230	21.591	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	88014	21.519	ug/l 91
20) Diisopropyl ether	5.92	45	334270	21.940	ug/l 94
21) 1,1-Dichloroethane	5.82	63	181716	21.539	ug/l 98
22) cis-1,2-Dichloroethene	6.80	96	101963	20.909	ug/l 98
23) tert-Butyl Alcohol	4.75	59	108202	111.690	ug/l # 100
24) Methyl tert-Butyl Ether	5.01	73	295217	21.063	ug/l 94
25) Chloroform	7.35	83	175164	20.818	ug/l 96
26) Cyclohexane	7.63	56	153373	20.712	ug/l # 95
29) 1,1-Dichloropropene	7.77	75	128390	20.344	ug/l 99
30) 2-Butanone	6.81	43	380583	106.717	ug/l 99
31) 2,2-Dichloropropane	6.80	77	148699	19.991	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	147912	20.264	ug/l 98
33) Carbon Tetrachloride	7.75	117	127581	20.193	ug/l 99
34) Benzene	8.02	78	396276	21.329	ug/l 98
35) Methacrylonitrile	7.18	41	212521	67.458	ug/l # 62
36) 1,2-Dichloroethane	8.10	62	136211	19.175	ug/l 98
37) Trichloroethene	8.82	130	95952	21.022	ug/l 99
38) Methylcyclohexane	9.06	83	143240	19.576	ug/l 99
39) 1,2-Dichloropropane	9.10	63	109274	21.521	ug/l 99
40) Dibromomethane	9.19	93	64865	20.237	ug/l 95

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	136615	20.863	ug/l	99
42) Vinyl Acetate	5.87	43	1338032	107.129	ug/l	99
43) Ethyl Acetate	6.90	43	148154	21.166	ug/l #	93
44) Isopropyl Acetate	8.14	43	230662	20.344	ug/l	90
45) 1,4-Dioxane	9.18	88	38490	442.094	ug/l	98
46) Methyl methacrylate	9.18	41	101456	19.491	ug/l	95
47) n-amyl Acetate	12.07	43	174774	17.389	ug/l	95
48) t-1,3-Dichloropropene	10.37	75	150289	19.790	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	165427	20.744	ug/l	92
50) 1,1,2-Trichloroethane	10.55	97	98095	21.438	ug/l	98
51) Ethyl methacrylate	10.42	69	141093	19.284	ug/l	96
52) 1,3-Dichloropropane	10.70	76	167899	20.604	ug/l	99
53) Dibromochloromethane	10.90	129	100729	20.512	ug/l	98
54) 1,2-Dibromoethane	11.00	107	95920	20.224	ug/l	100
55) 2-Chloroethyl vinyl ether	9.68	63	315475	86.679	ug/l	100
56) Bromoform	12.13	173	71930	21.027	ug/l	99
58) 4-Methyl-2-Pentanone	9.97	43	736770	112.431	ug/l	99
59) 2-Hexanone	10.74	43	537320	104.589	ug/l	97
61) Tetrachloroethene	10.62	164	86257	22.221	ug/l	98
62) Toluene	10.14	91	415591	21.508	ug/l	99
64) Chlorobenzene	11.43	112	247248	20.929	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.50	131	94787	21.398	ug/l	99
66) Ethyl Benzene	11.51	91	439910	20.561	ug/l	100
67) m/p-Xylenes	11.62	106	323568	40.479	ug/l	99
68) o-Xylene	11.95	106	157020	20.263	ug/l	99
69) Styrene	11.96	104	248252	19.392	ug/l	99
70) Isopropylbenzene	12.25	105	423140	20.225	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	147021	20.874	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	191289	29.972	ug/l	60
73) Bromobenzene	12.53	156	102856	20.240	ug/l	100
74) n-propylbenzene	12.59	91	488650	19.954	ug/l	99
75) 2-Chlorotoluene	12.67	91	297308	20.178	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	354803	19.800	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	49068	20.182	ug/l	91
78) 4-Chlorotoluene	12.77	91	291181	19.174	ug/l	98
79) tert-butylbenzene	12.99	119	309217	20.198	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	353943	19.878	ug/l	99
81) sec-Butylbenzene	13.17	105	403787	19.598	ug/l	99
82) p-Isopropyltoluene	13.29	119	356365	19.262	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	173888	18.910	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	169006	18.400	ug/l	99
85) n-Butylbenzene	13.62	91	290793	17.168	ug/l	99
86) Hexachloroethane	13.88	117	70060	20.808	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	174824	19.258	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28781	18.359	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	86486	15.088	ug/l	99
90) Hexachlorobutadiene	15.01	225	58924	19.907	ug/l	98
91) Naphthalene	15.13	128	231446	13.676	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	90715	16.258	ug/l	98

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QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

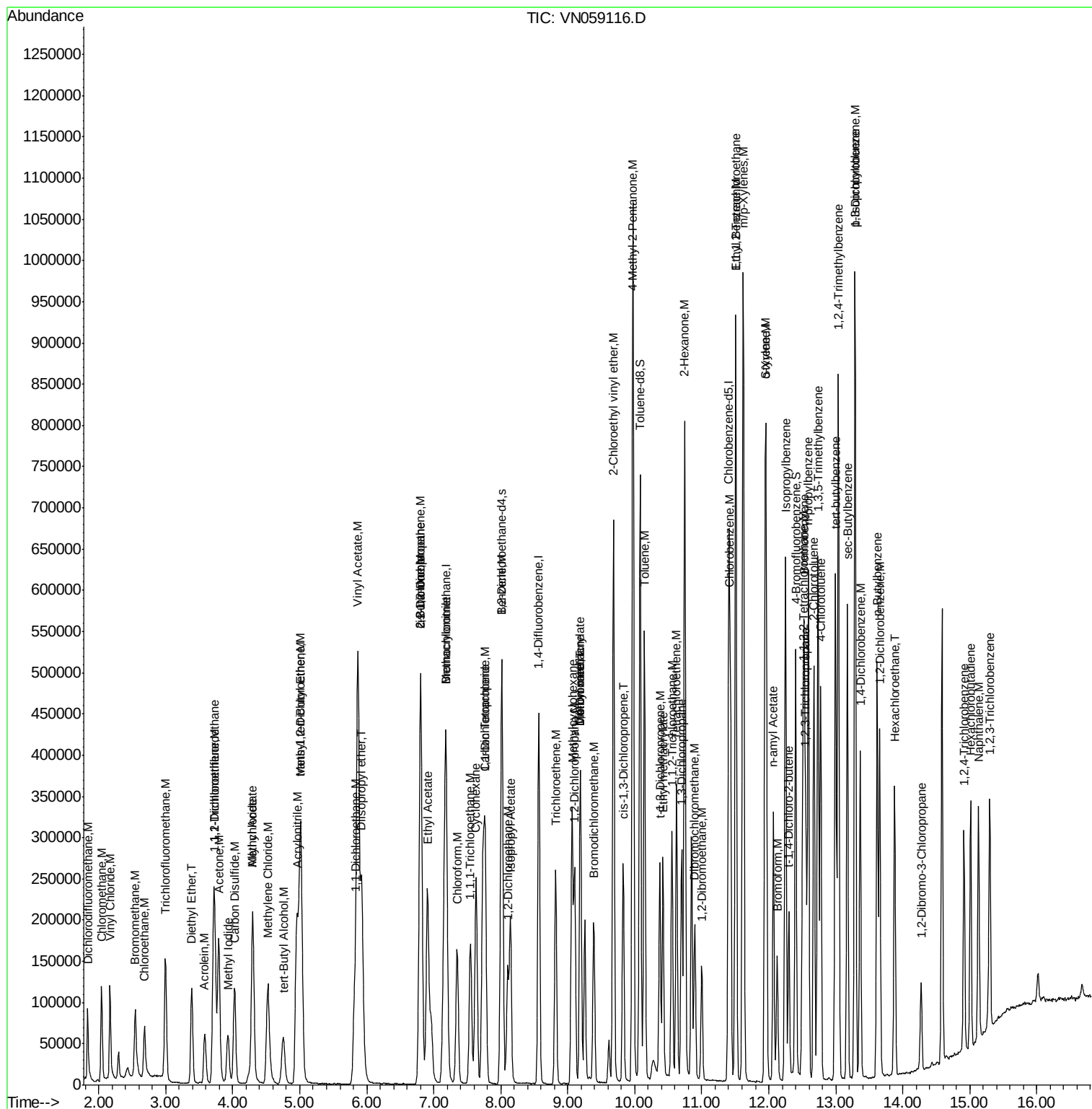
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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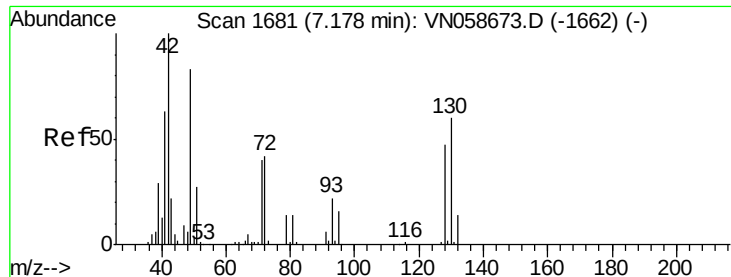
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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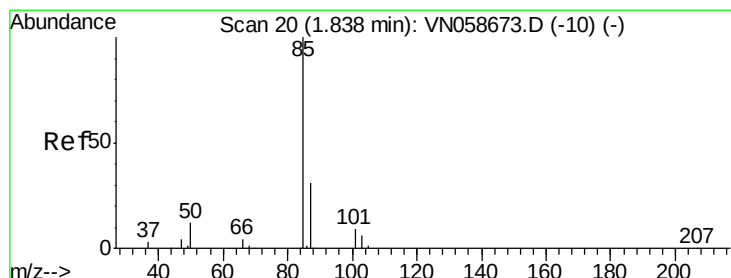
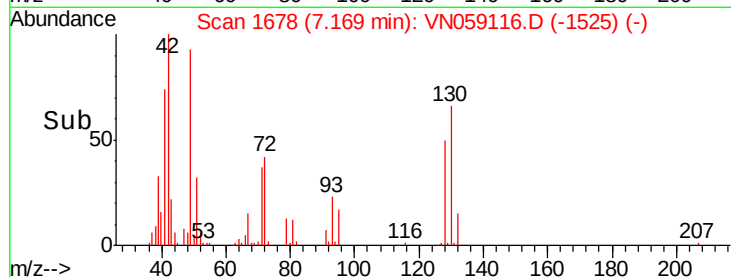
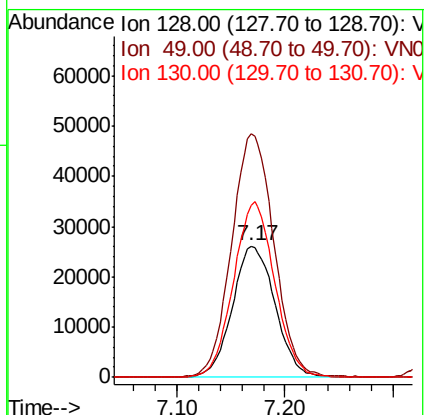
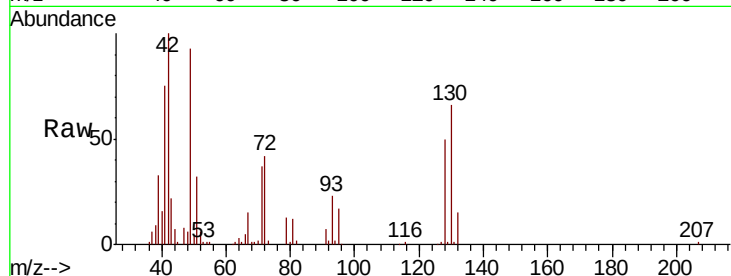




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

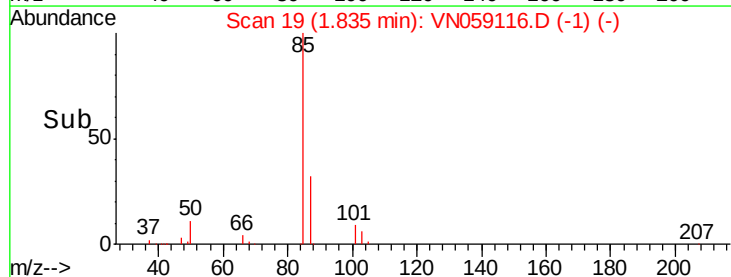
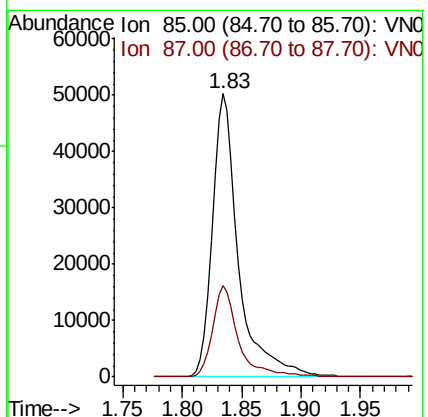
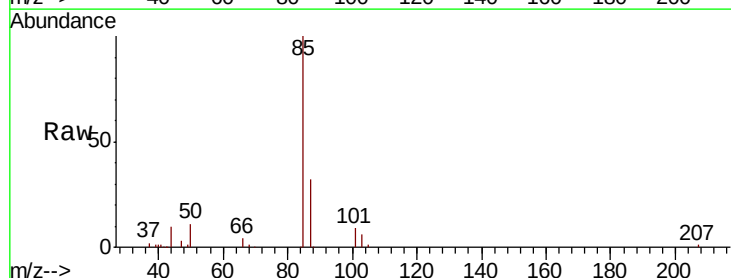
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

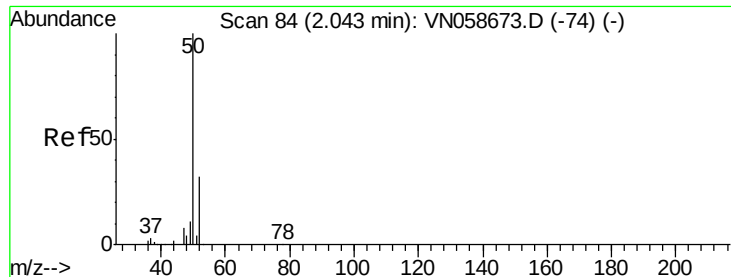
Tot Ion:128 Resp: 71806
Ion Ratio Lower Upper
128 100
49 184.9 0.0 453.5
130 129.4 0.0 314.2



#2
Dichlorodifluoromethane
Concen: 19.569 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion: 85 Resp: 76135
Ion Ratio Lower Upper
85 100
87 32.1 15.7 47.0





#3

Chloromethane

Concen: 20.693 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

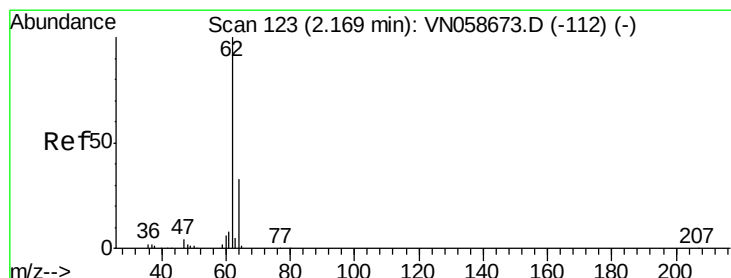
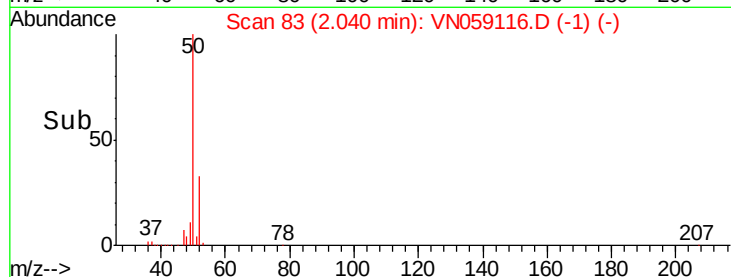
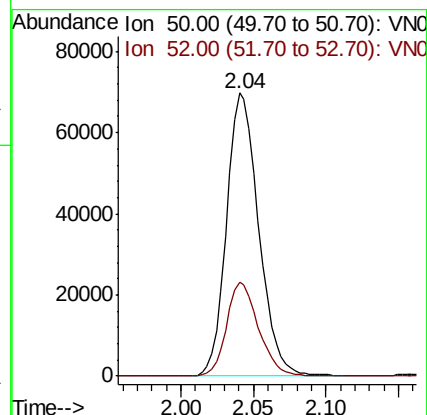
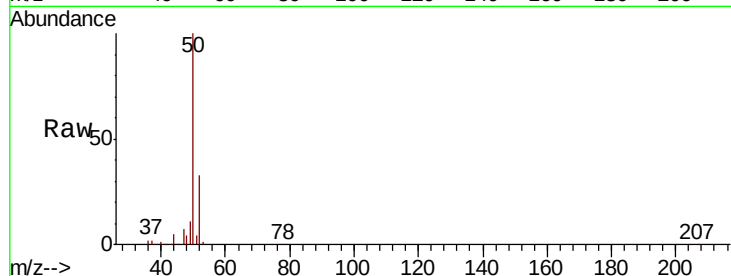
VN1107WBS01

Tot Ion: 50 Resp: 107538

Ion Ratio Lower Upper

50 100

52 33.2 25.8 38.8



#4

Vinyl Chloride

Concen: 20.895 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059116.D

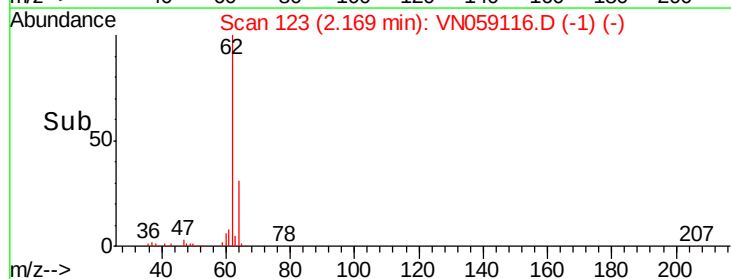
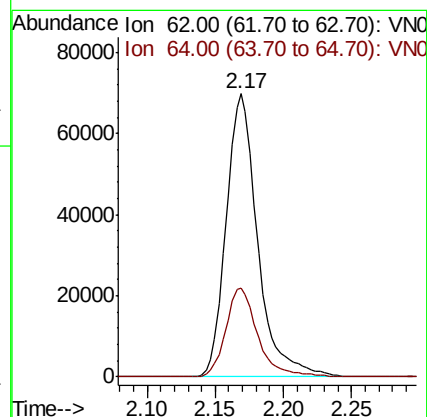
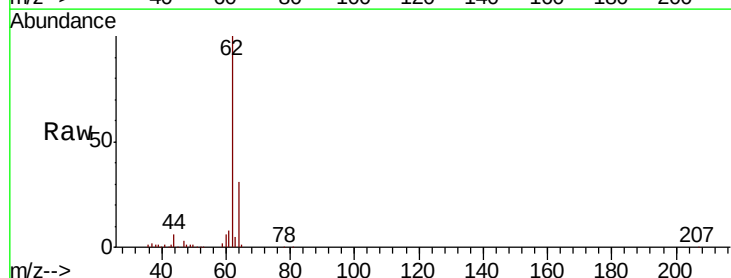
Acq: 7 Nov 2019 12:58

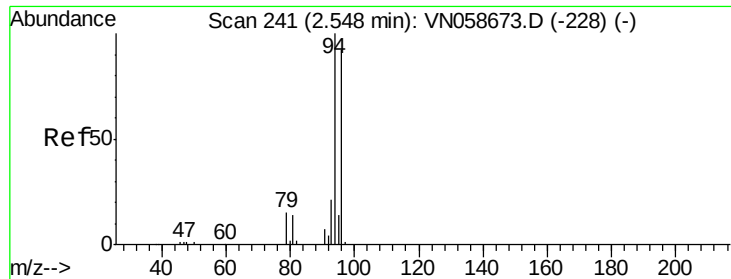
Tgt Ion: 62 Resp: 112231

Ion Ratio Lower Upper

62 100

64 31.3 26.1 39.1





#5

Bromomethane

Concen: 19.565 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

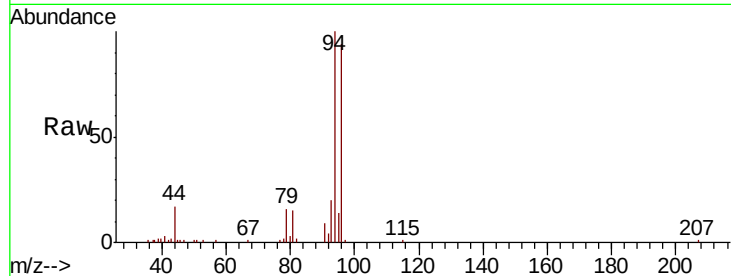
VN1107WBS01

Tot Ion: 94 Resp: 64881

Ion Ratio Lower Upper

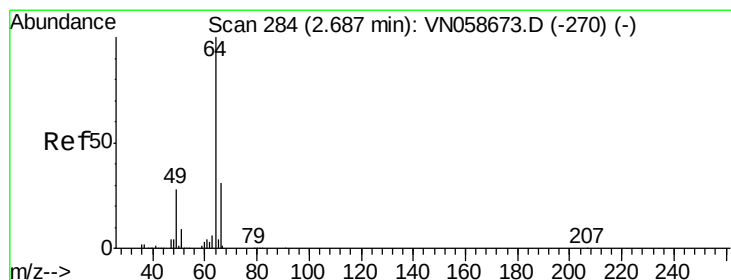
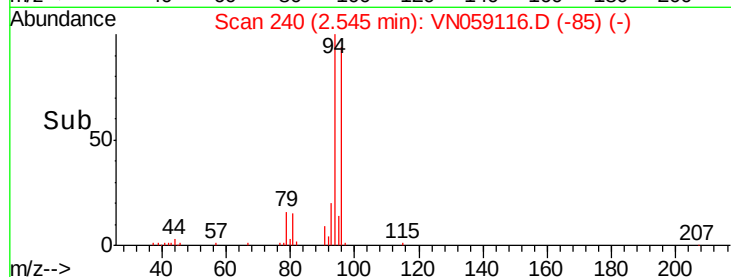
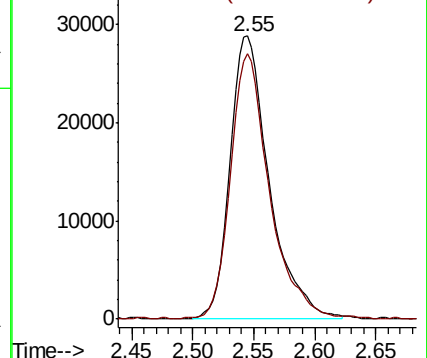
94 100

96 93.1 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.642 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059116.D

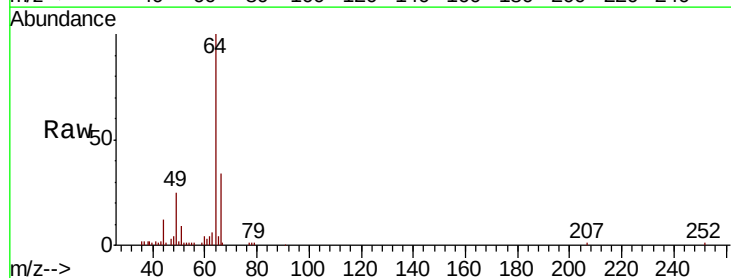
Acq: 7 Nov 2019 12:58

Tgt Ion: 64 Resp: 66313

Ion Ratio Lower Upper

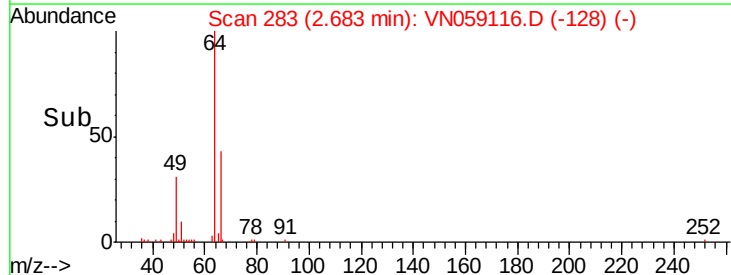
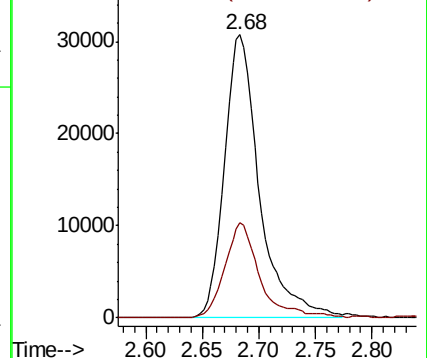
64 100

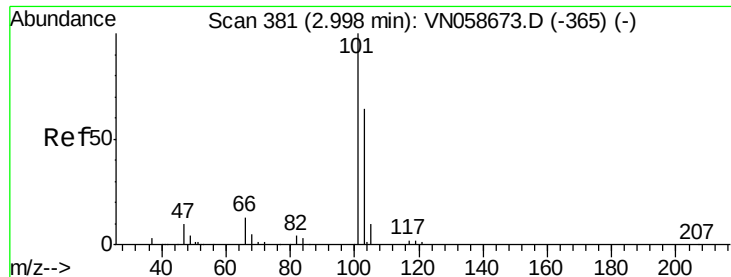
66 33.7 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



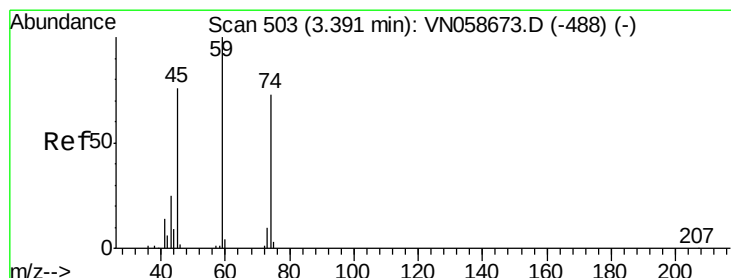
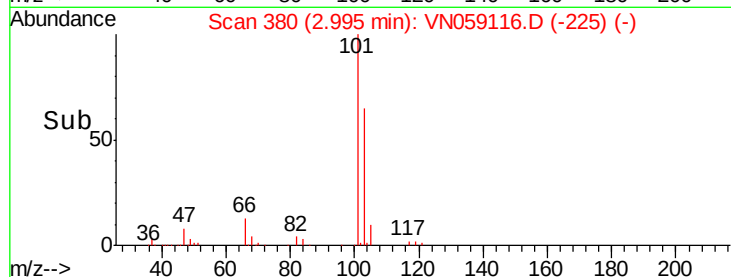
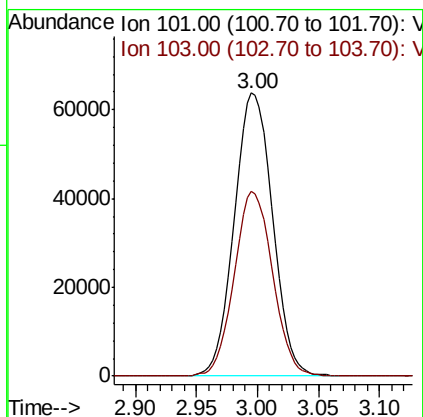
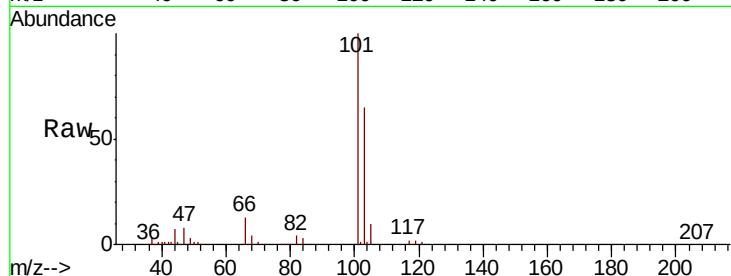


#7

Trichlorofluoromethane
 Concen: 21.005 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Instrument :
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 VN1107WBS01

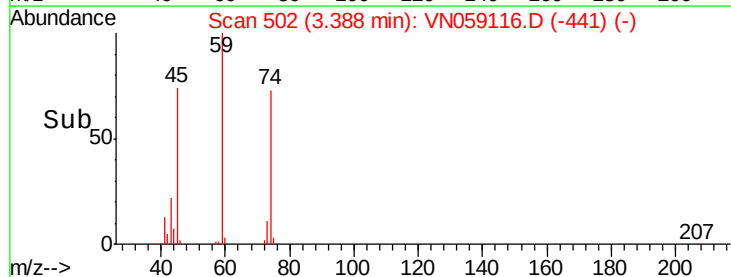
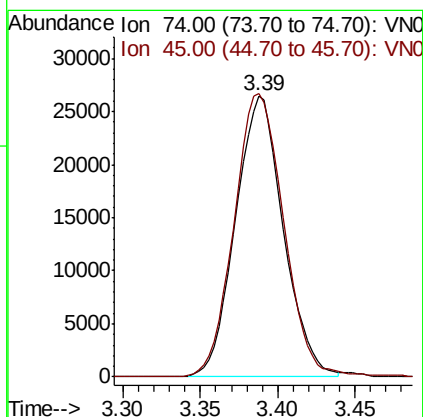
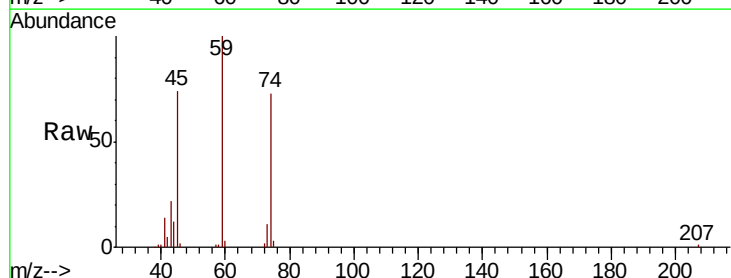
Tot Ion:101 Resp: 138867
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.5 77.3

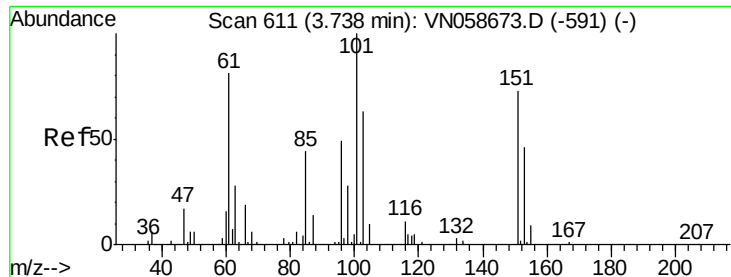


#8

Diethyl Ether
 Concen: 22.638 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion: 74 Resp: 57080
 Ion Ratio Lower Upper
 74 100
 45 104.2 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.000 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

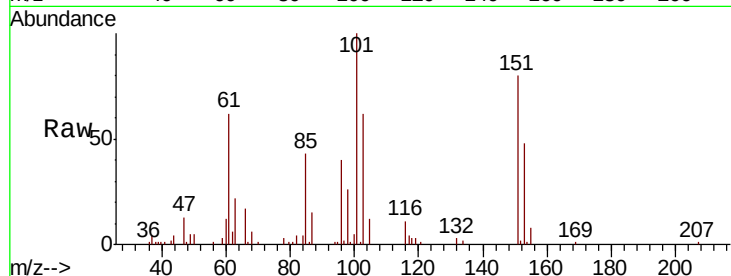
Tot Ion:101 Resp: 84156

Ion Ratio Lower Upper

101 100

85 44.2 0.0 93.8

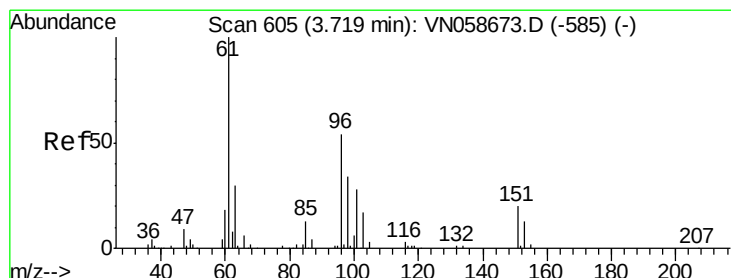
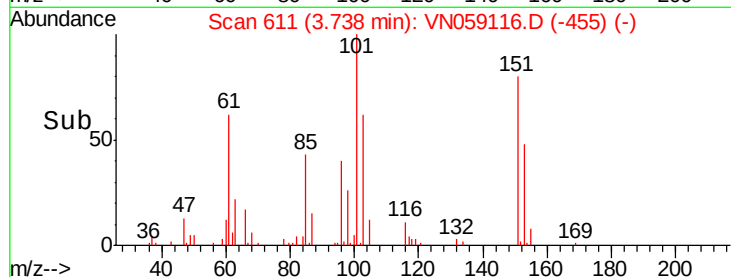
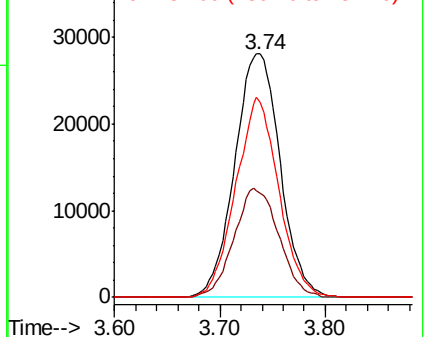
151 77.5 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 21.849 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

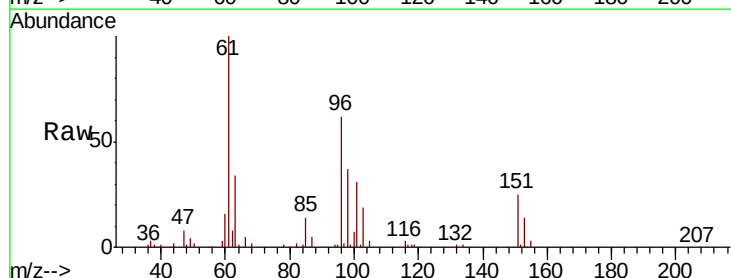
Tgt Ion: 96 Resp: 82086

Ion Ratio Lower Upper

96 100

61 162.0 148.5 222.7

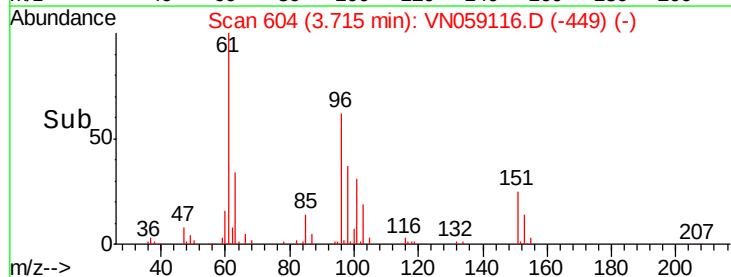
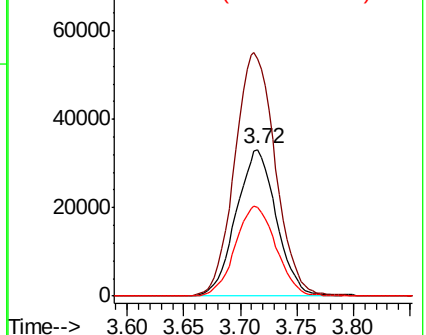
98 60.3 51.0 76.6

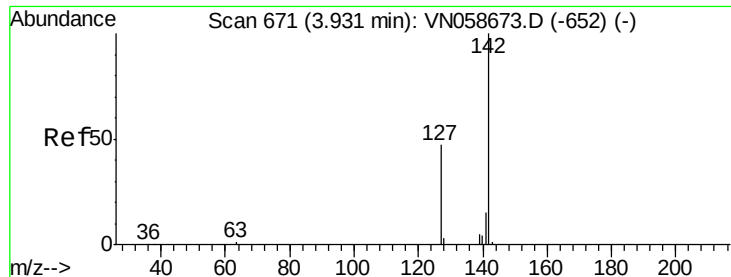


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

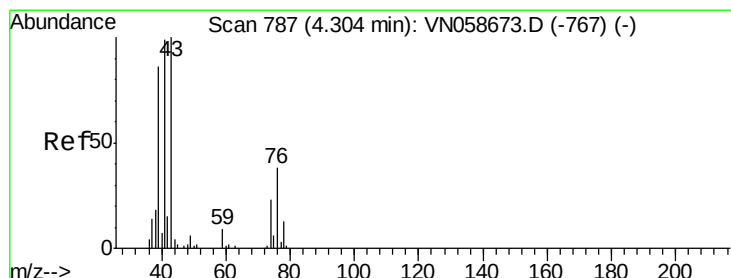
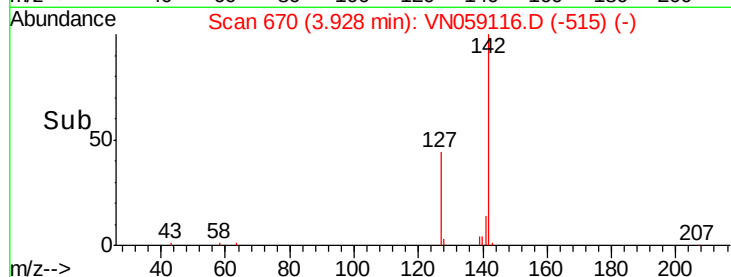
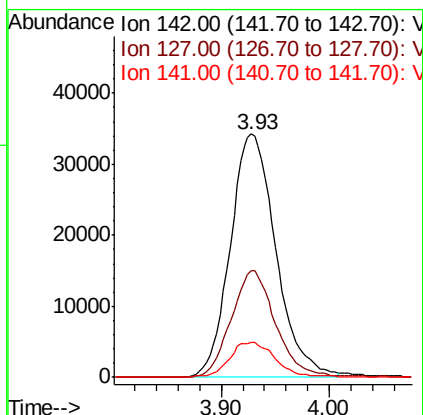
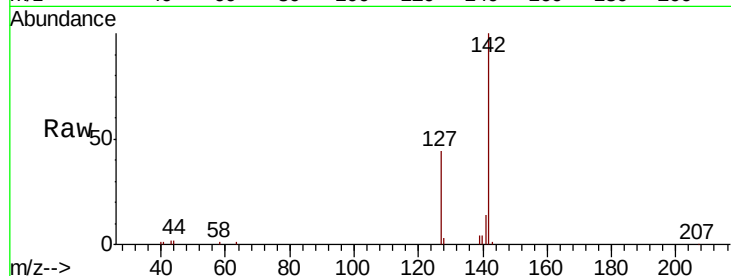




#11
Methvl Iodide
Concen: 19.251 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

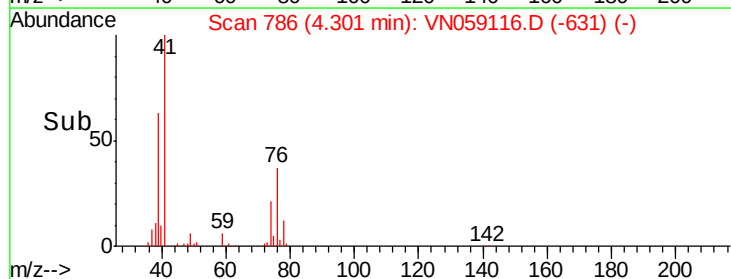
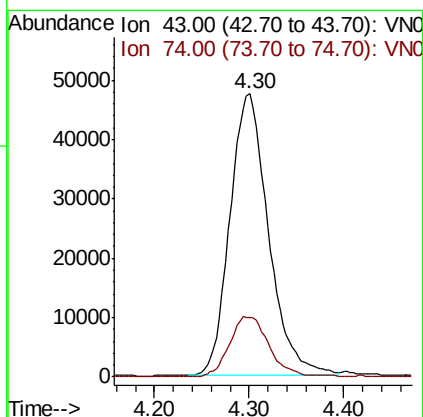
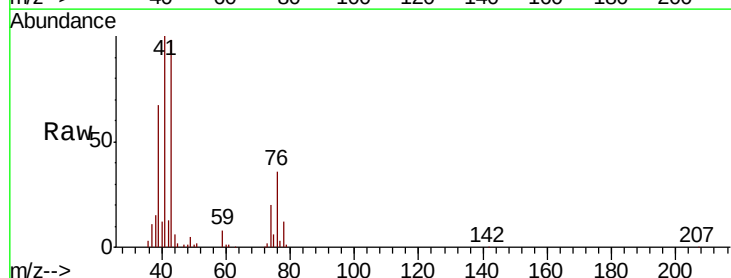
Instrument :
MSVOA_N
ClientSampled :
VN1107WBS01

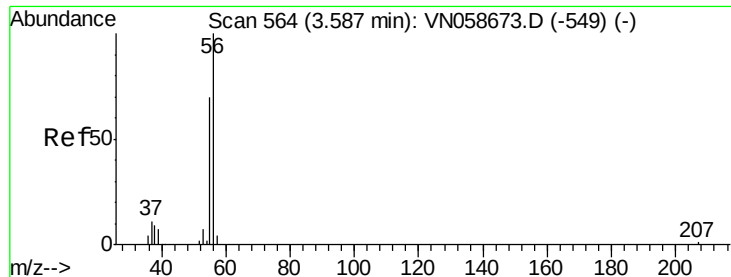
Tot Ion:142 Resp: 100726
Ion Ratio Lower Upper
142 100
127 44.0 23.5 70.6
141 14.4 7.4 22.2



#12
Methyl Acetate
Concen: 22.410 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion: 43 Resp: 134704
Ion Ratio Lower Upper
43 100
74 20.8 18.1 27.1





#13

Acrolein

Concen: 105.944 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

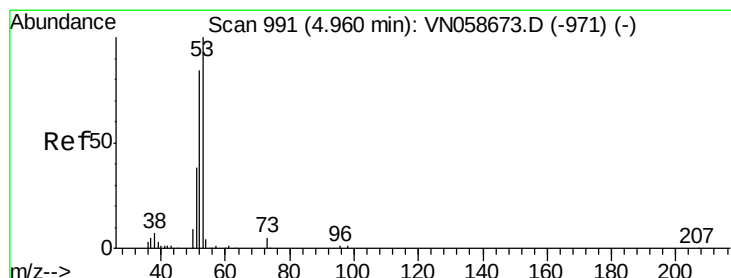
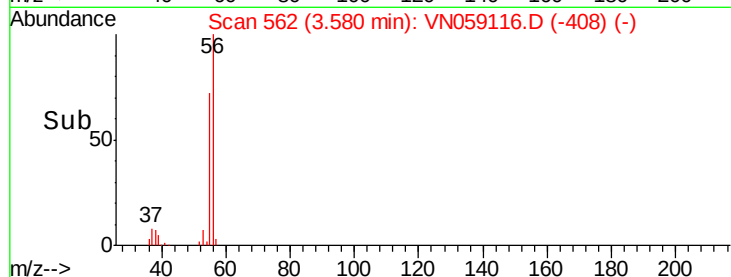
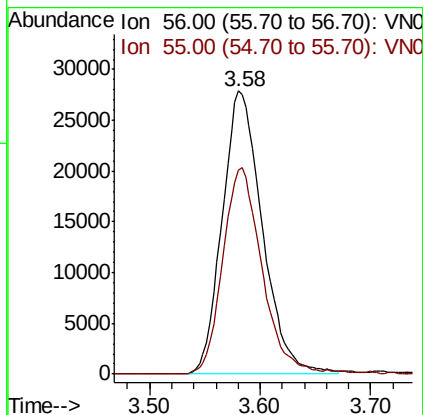
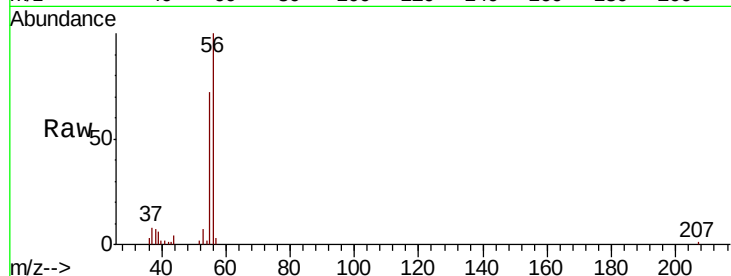
VN1107WBS01

Tot Ion: 56 Resp: 70364

Ion Ratio Lower Upper

56 100

55 70.8 55.9 83.9



#14

Acrylonitrile

Concen: 114.083 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

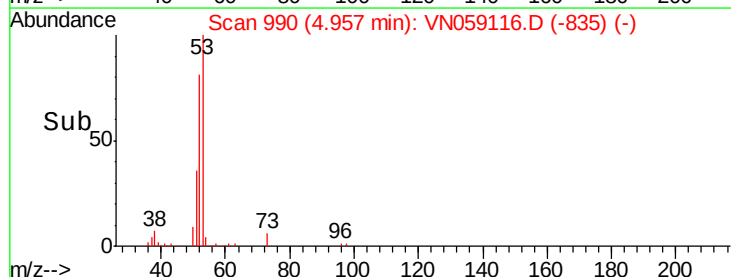
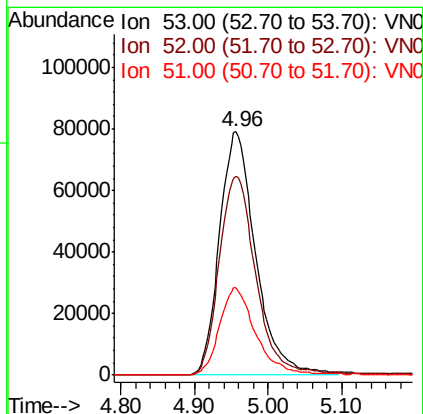
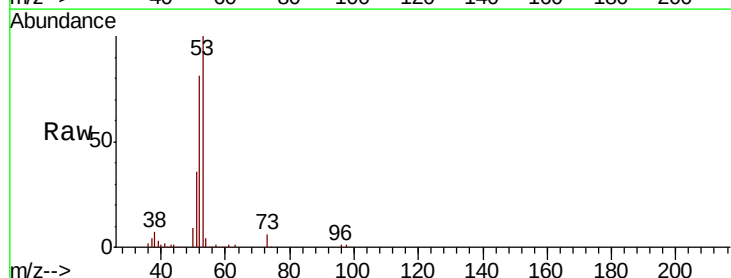
Tgt Ion: 53 Resp: 270203

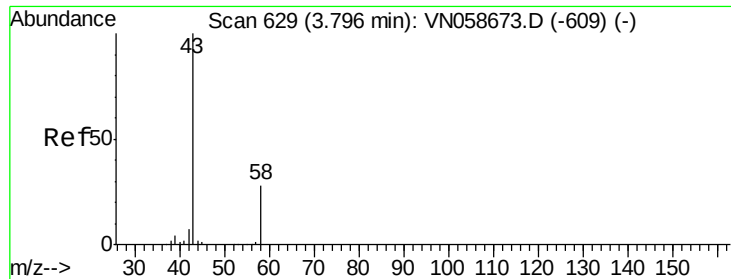
Ion Ratio Lower Upper

53 100

52 81.2 42.2 126.6

51 35.6 18.8 56.4





#15

Acetone

Concen: 127.670 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

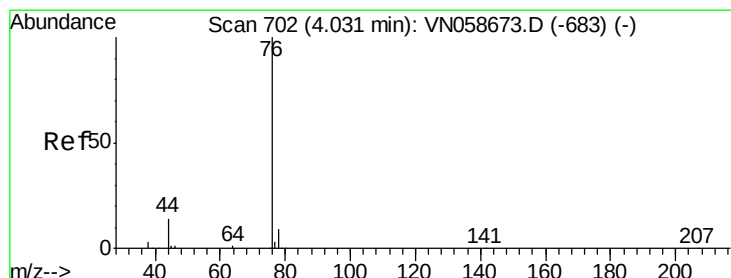
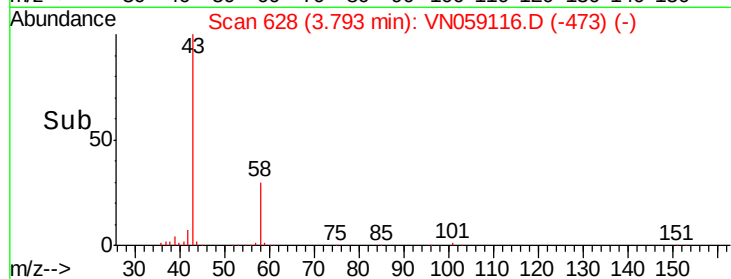
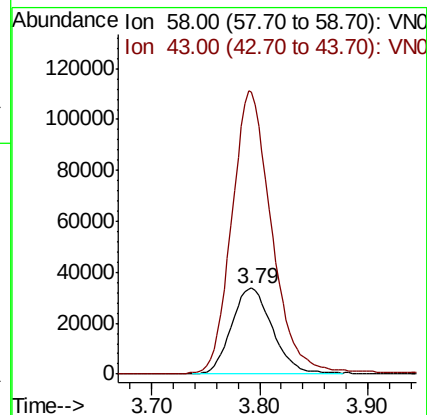
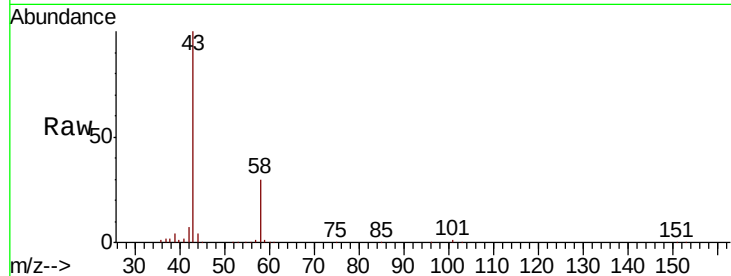
VN1107WBS01

Tot Ion: 58 Resp: 89759

Ion Ratio Lower Upper

58 100

43 326.8 281.7 422.5



#16

Carbon Disulfide

Concen: 21.015 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059116.D

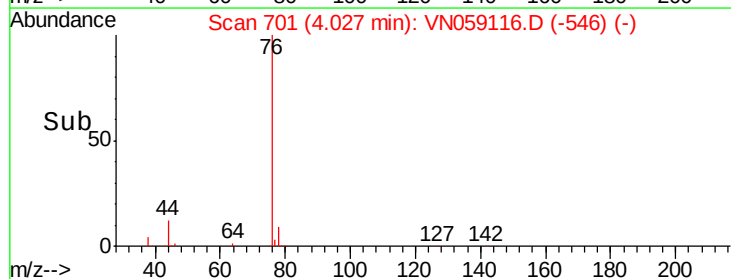
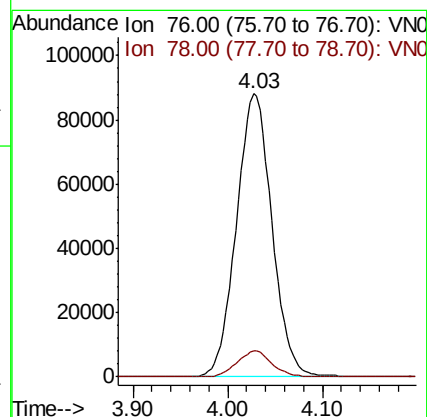
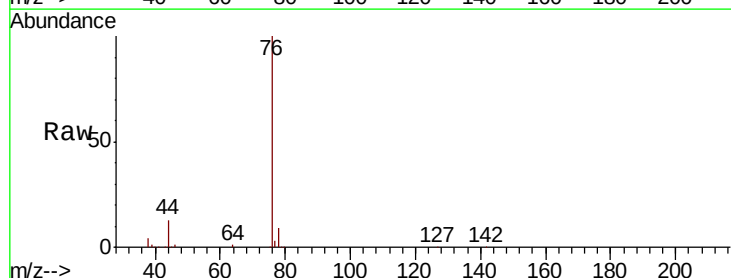
Acq: 7 Nov 2019 12:58

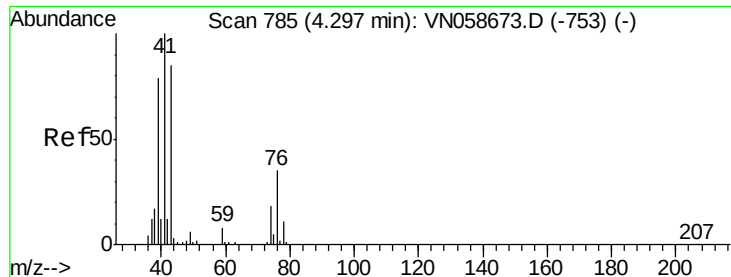
Tgt Ion: 76 Resp: 230286

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

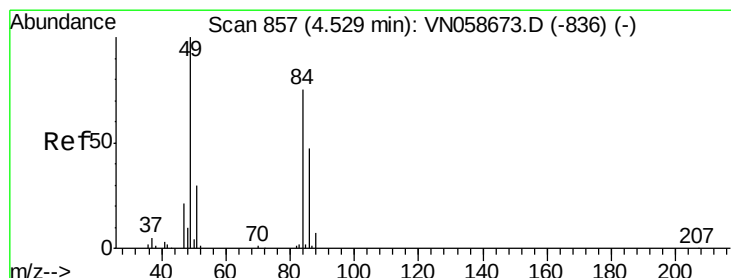
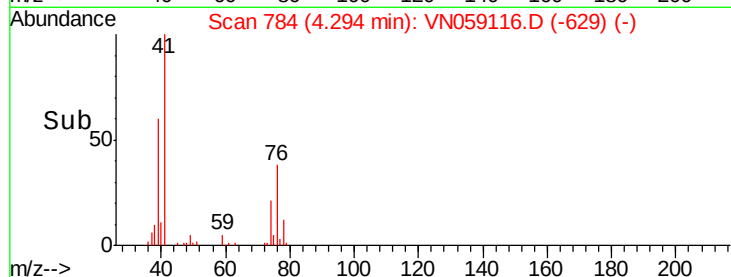
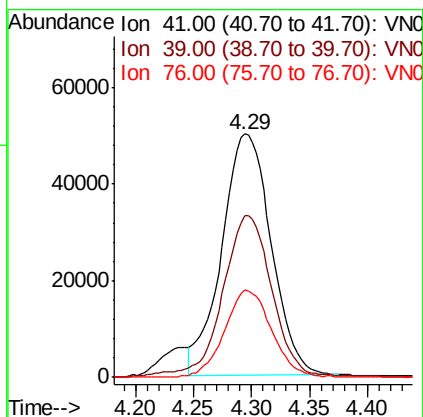
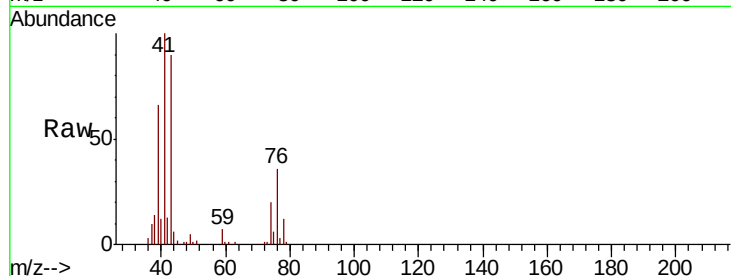




#17
Allvl chloride
Concen: 19.759 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

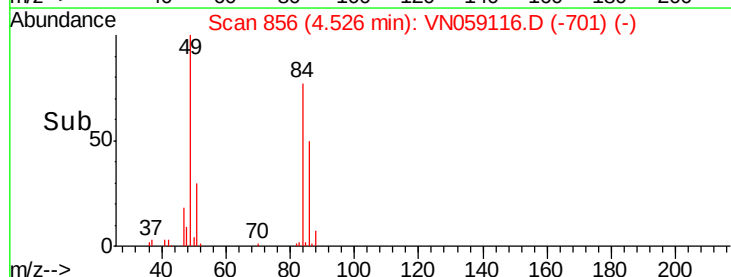
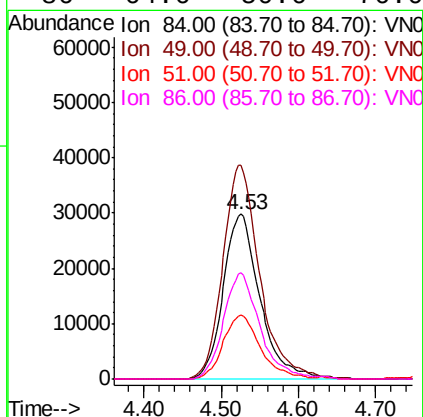
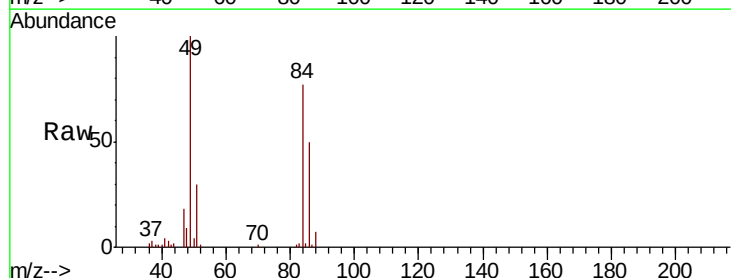
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

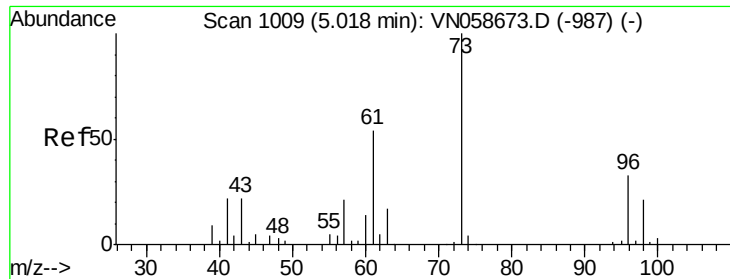
Tot Ion: 41 Resp: 147752
Ion Ratio Lower Upper
41 100
39 66.2 39.6 118.8
76 35.9 17.6 52.9



#18
Methylene Chloride
Concen: 21.591 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion: 84 Resp: 98230
Ion Ratio Lower Upper
84 100
49 129.6 106.6 160.0
51 38.8 32.4 48.6
86 64.6 50.6 76.0

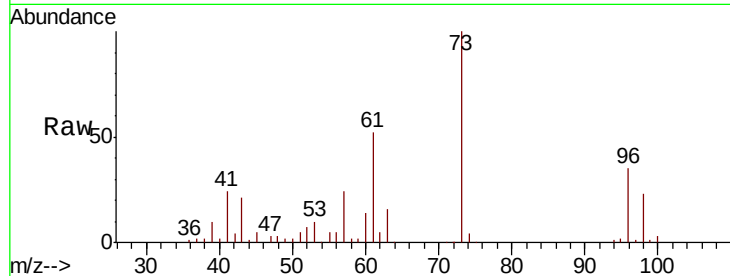




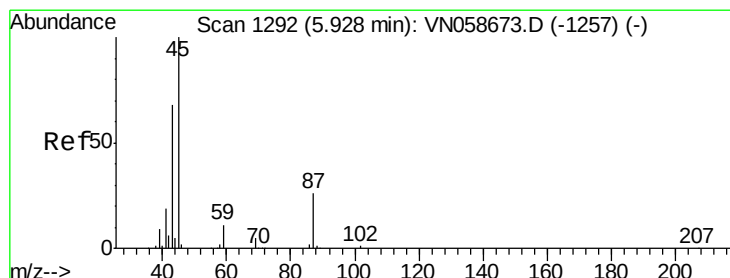
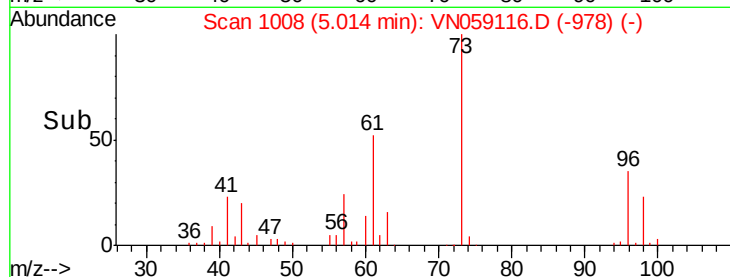
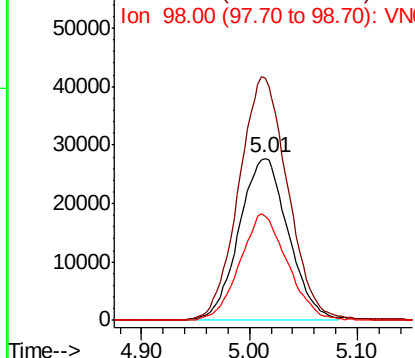
#19
trans-1,2-Dichloroethene
Concen: 21.519 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampled :
VN1107WBS01

Tot Ion: 96 Resp: 88014
Ion Ratio Lower Upper
96 100
61 148.5 131.8 197.6
98 64.5 52.6 79.0

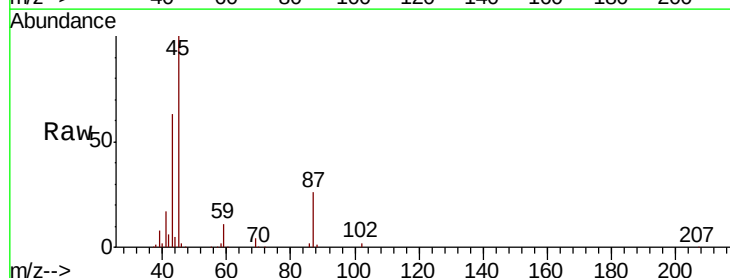


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

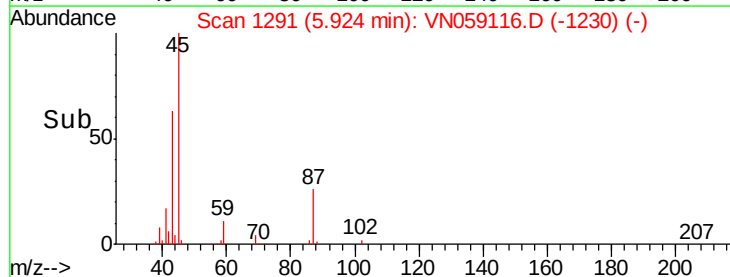
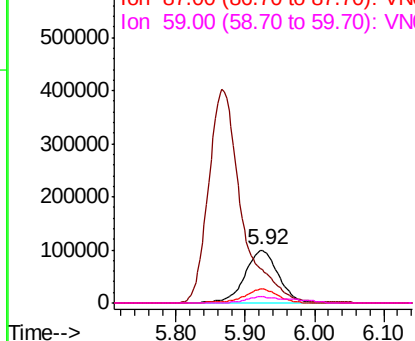


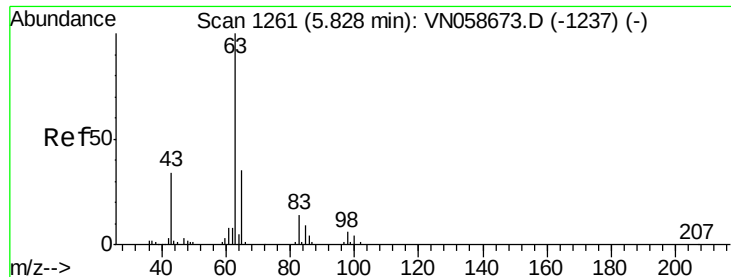
#20
Diisopropyl ether
Concen: 21.940 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion: 45 Resp: 334270
Ion Ratio Lower Upper
45 100
43 61.2 54.7 82.1
87 26.3 21.5 32.3
59 11.0 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

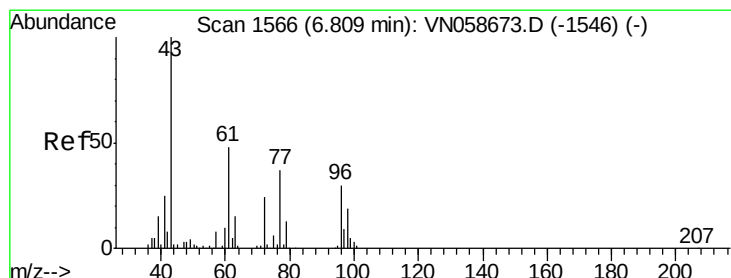
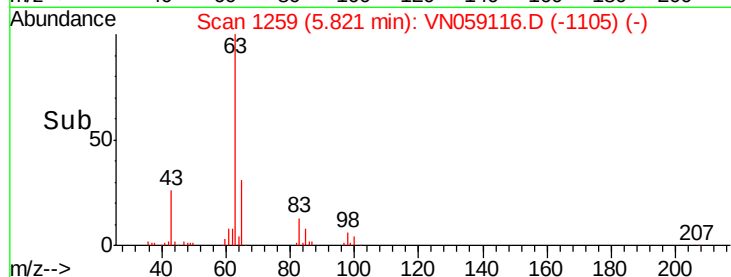
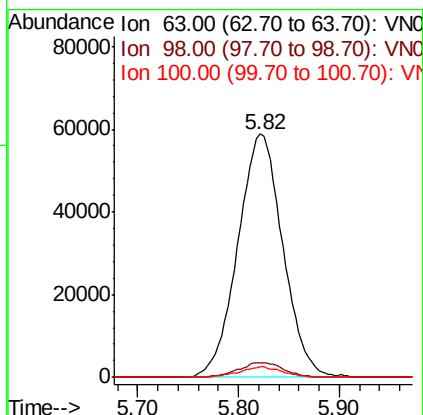
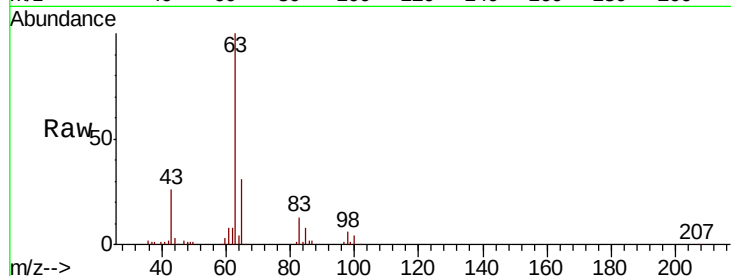




#21
 1,1-Dichloroethane
 Concen: 21.539 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

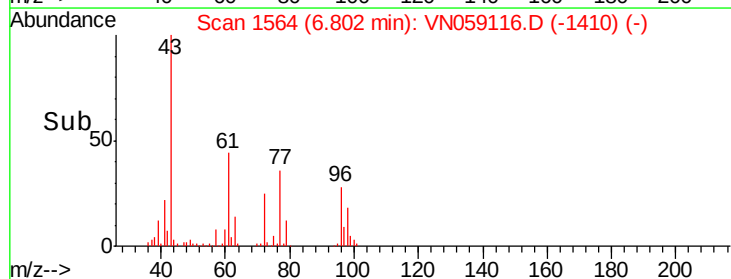
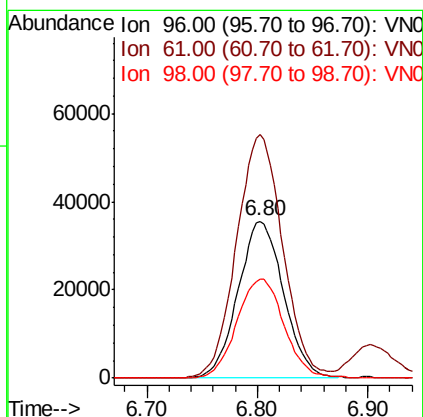
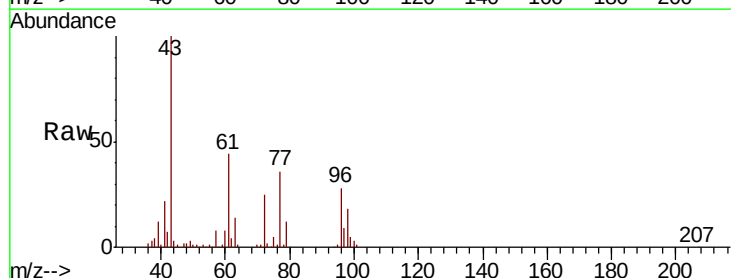
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

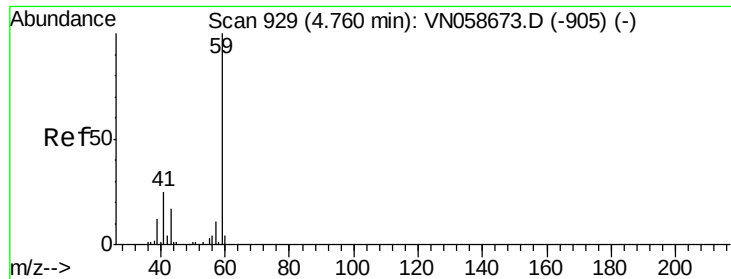
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.1	2.9	8.6
100	4.3	1.8	5.5



#22
 cis-1,2-Dichloroethene
 Concen: 20.909 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.6	127.2	190.8
98	65.3	50.5	75.7



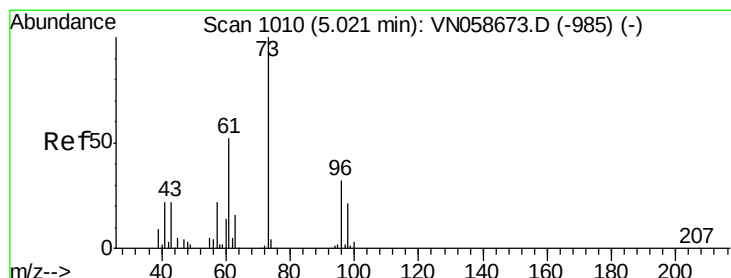
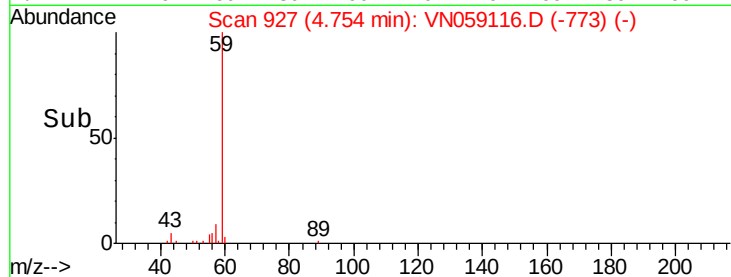
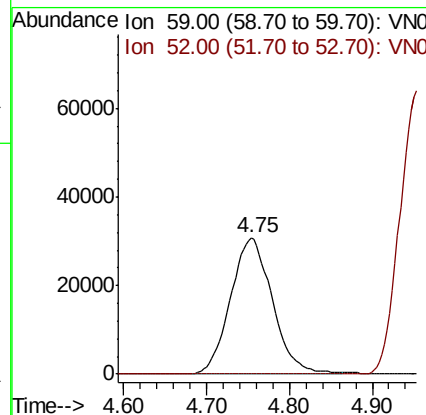
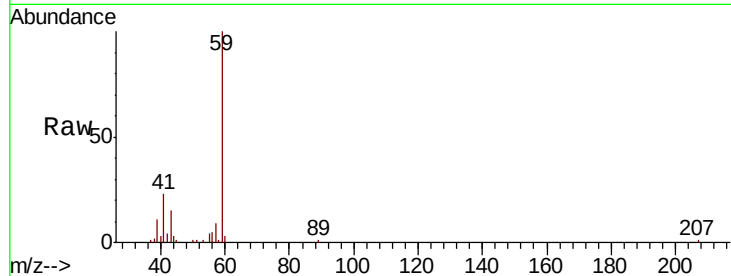


#23

tert-Butyl Alcohol
Concen: 111.690 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

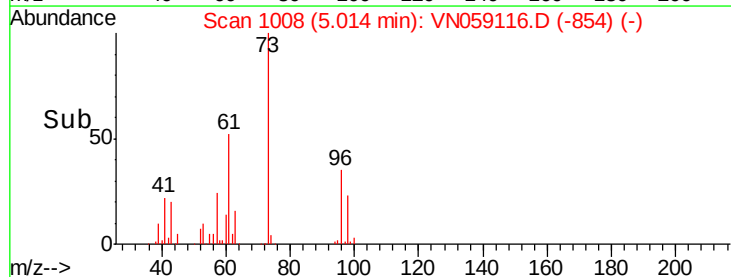
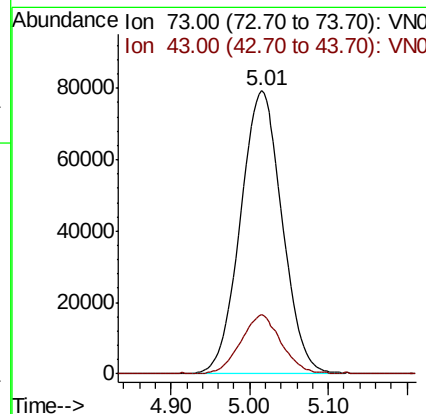
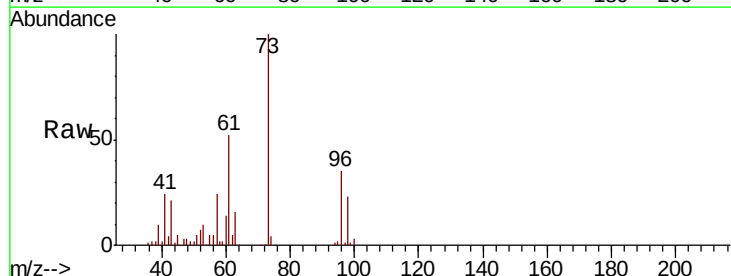
Tot Ion: 59 Resp: 108202
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

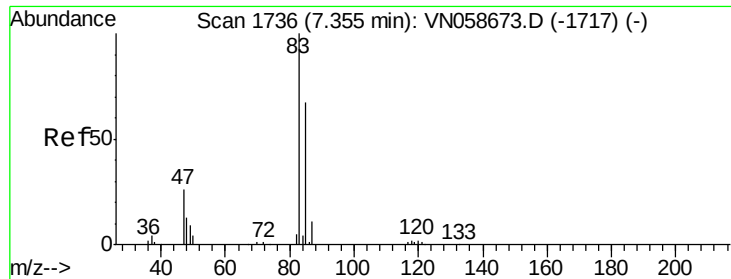


#24

Methyl tert-Butyl Ether
Concen: 21.063 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion: 73 Resp: 295217
Ion Ratio Lower Upper
73 100
43 19.7 17.9 26.9

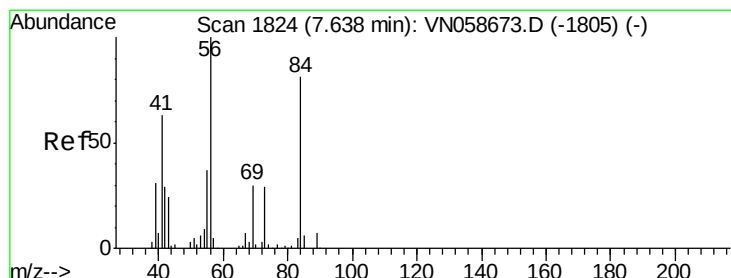
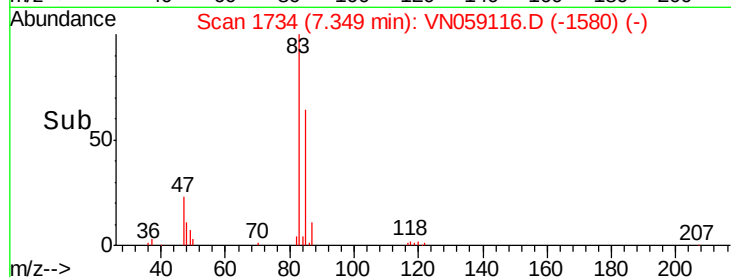
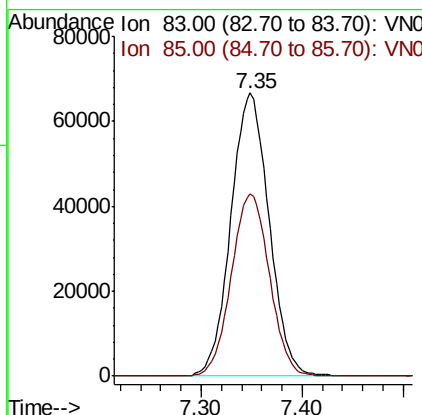
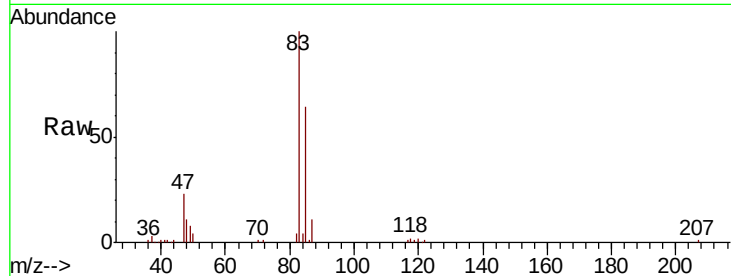




#25
Chloroform
Concen: 20.818 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

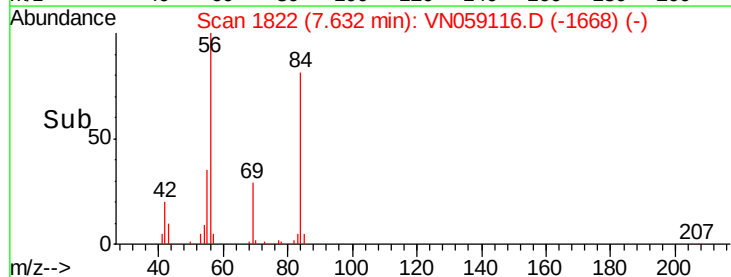
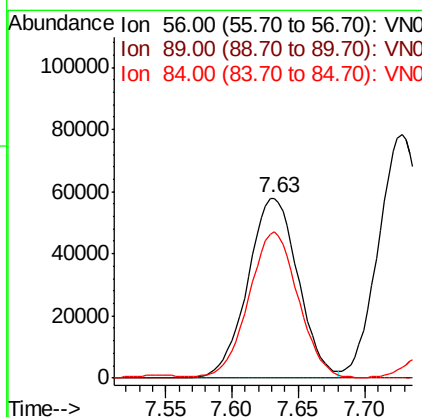
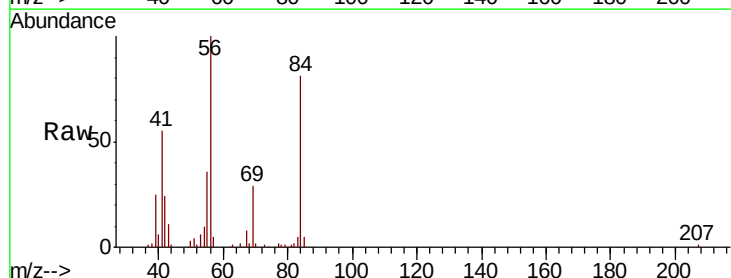
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

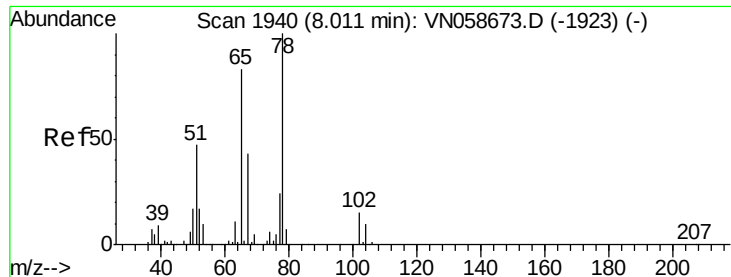
Tot Ion: 83 Resp: 175164
Ion Ratio Lower Upper
83 100
85 64.3 53.8 80.8



#26
Cyclohexane
Concen: 20.712 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion: 56 Resp: 153373
Ion Ratio Lower Upper
56 100
89 0.0 6.2 9.2#
84 79.1 65.6 98.4

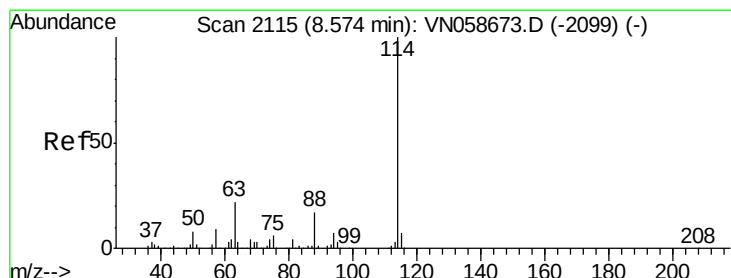
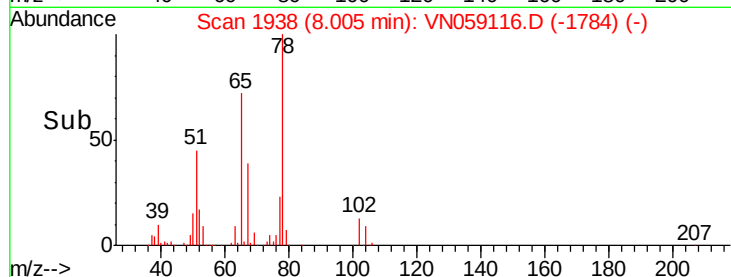
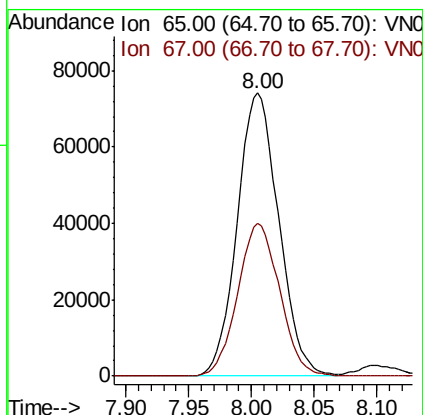
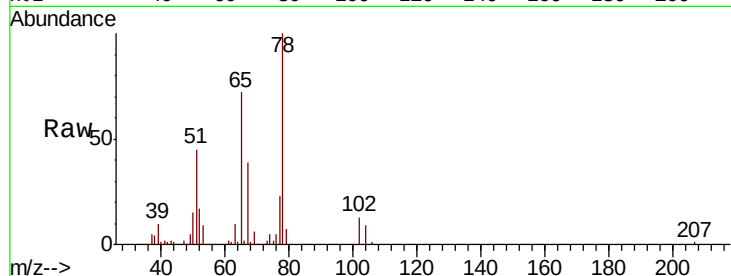




#27
 1,2-Dichloroethane-d4
 Concen: 28.079 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

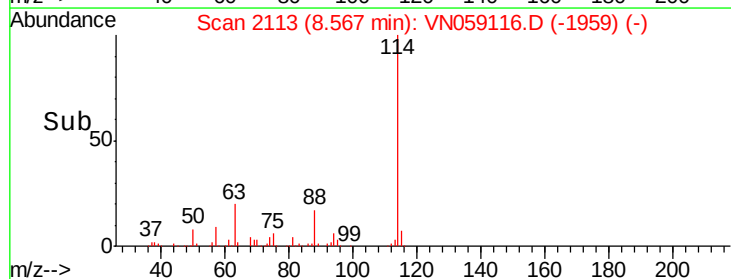
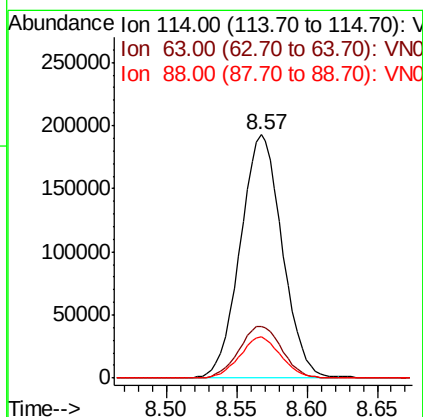
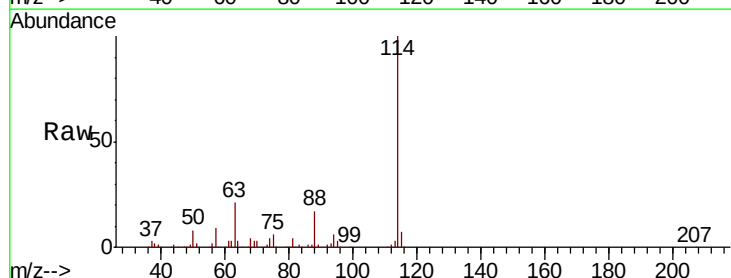
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

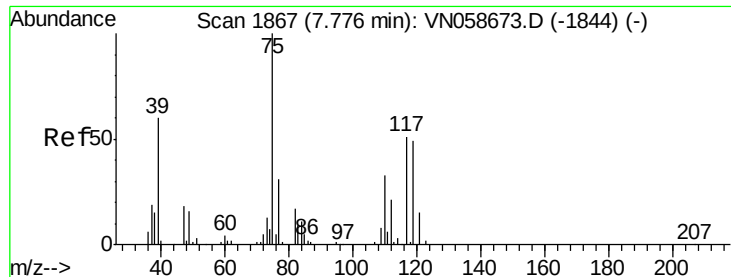
Tot Ion: 65 Resp: 171124
 Ion Ratio Lower Upper
 65 100
 67 54.4 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion: 114 Resp: 400910
 Ion Ratio Lower Upper
 114 100
 63 21.7 18.1 27.1
 88 16.6 13.0 19.4

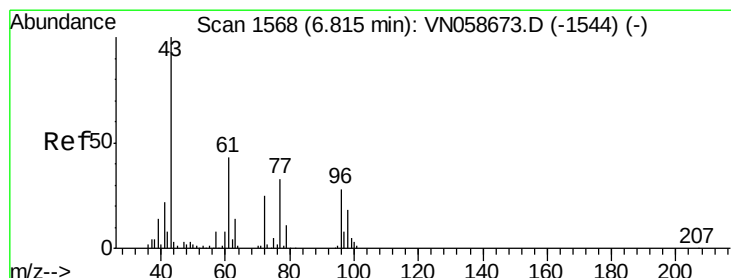
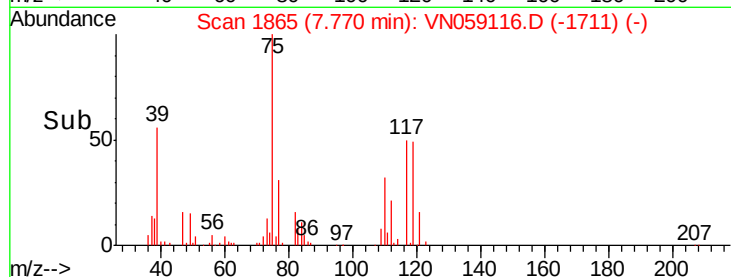
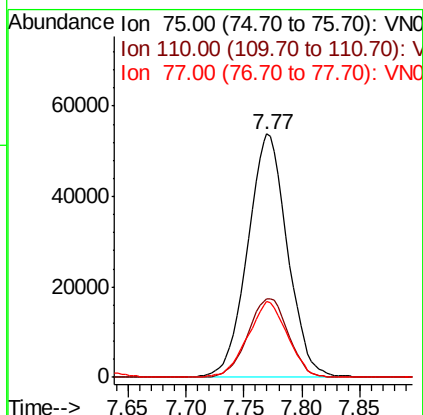
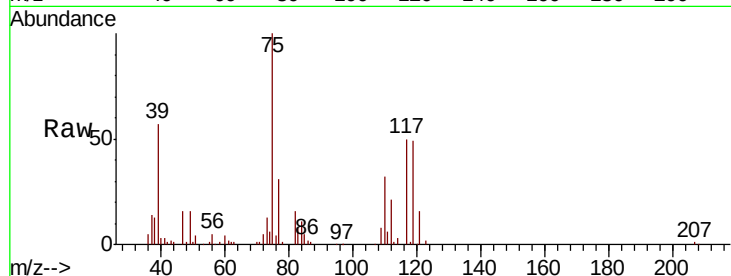




#29
 1,1-Dichloropropene
 Concen: 20.344 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

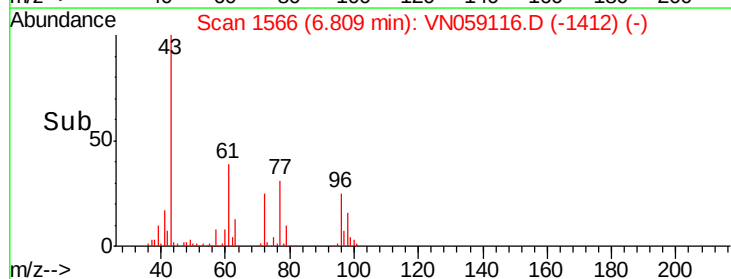
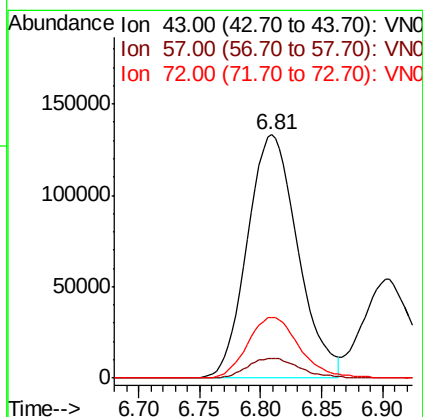
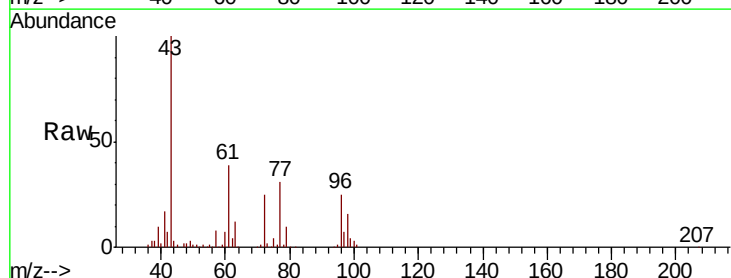
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

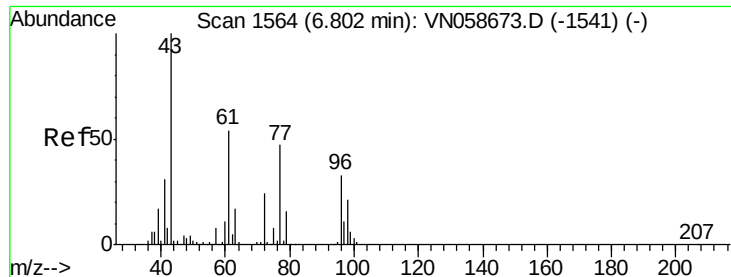
Tot Ion	Ratio	Lower	Upper
75	100		
110	32.9	0.0	64.6
77	31.2	0.0	60.8



#30
 2-Butanone
 Concen: 106.717 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.5	9.7
72	25.8	20.1	30.1





#31

2,2-Dichloropropane

Concen: 19.991 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

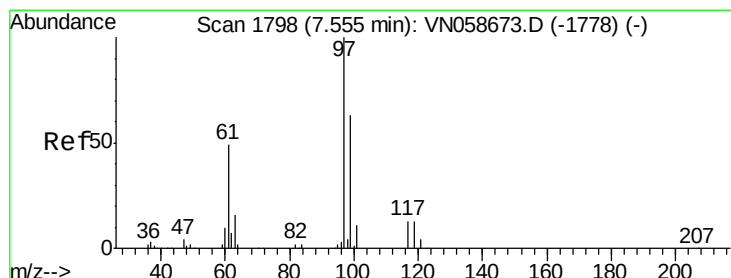
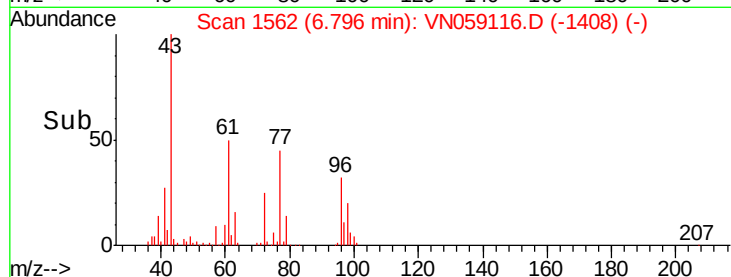
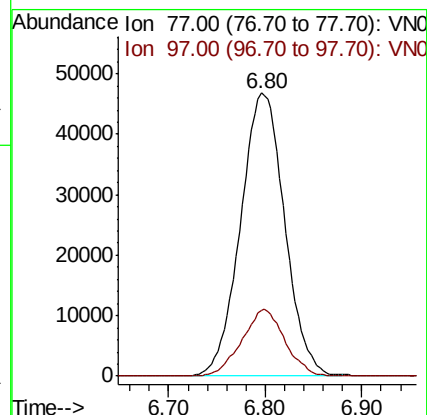
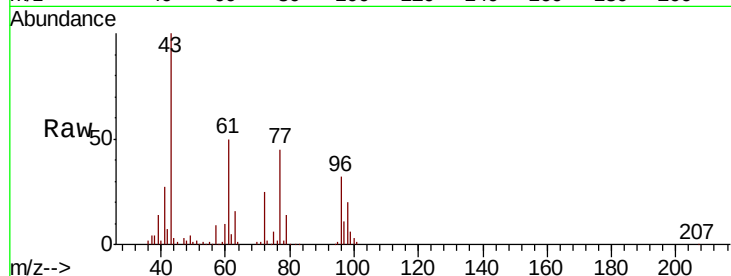
VN1107WBS01

Tot Ion: 77 Resp: 148699

Ion Ratio Lower Upper

77 100

97 22.9 17.9 26.9



#32

1,1,1-Trichloroethane

Concen: 20.264 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

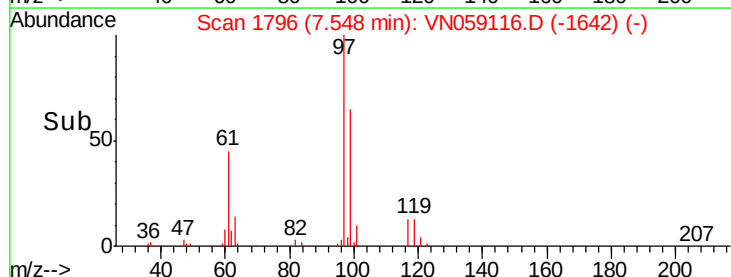
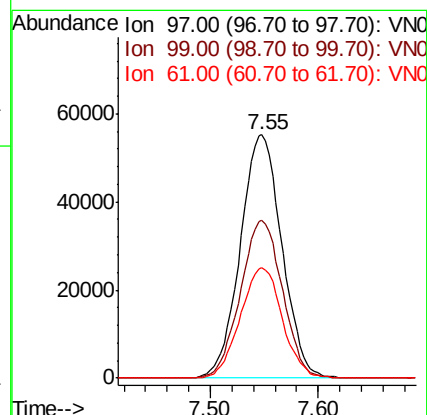
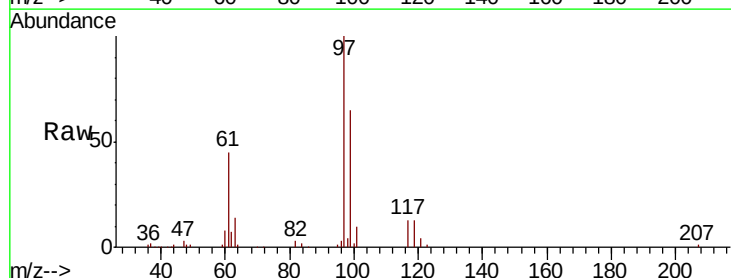
Tgt Ion: 97 Resp: 147912

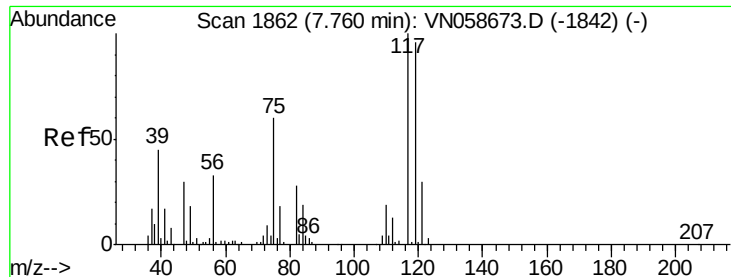
Ion Ratio Lower Upper

97 100

99 65.5 51.3 76.9

61 45.9 38.4 57.6





#33

Carbon Tetrachloride

Concen: 20.193 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

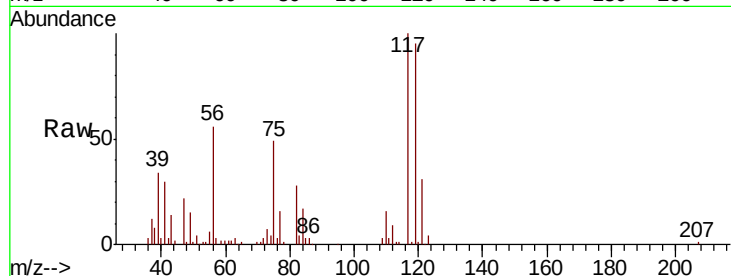
Tot Ion:117 Resp: 127581

Ion Ratio Lower Upper

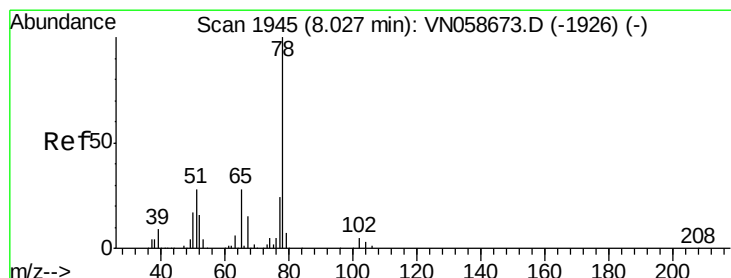
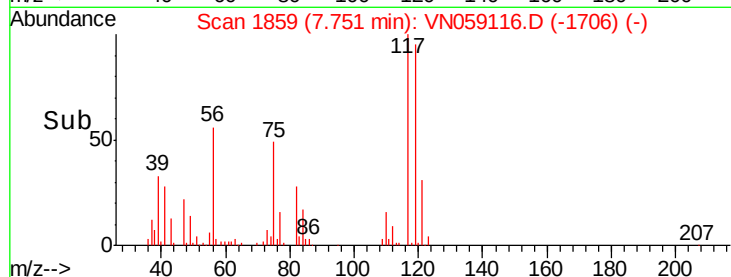
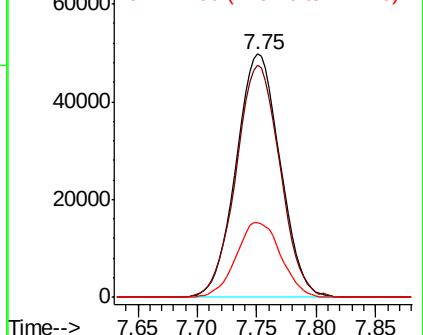
117 100

119 95.4 76.9 115.3

121 30.6 23.8 35.8



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



#34

Benzene

Concen: 21.329 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

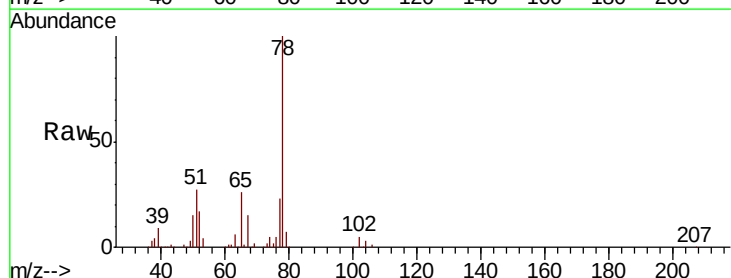
Tgt Ion: 78 Resp: 396276

Ion Ratio Lower Upper

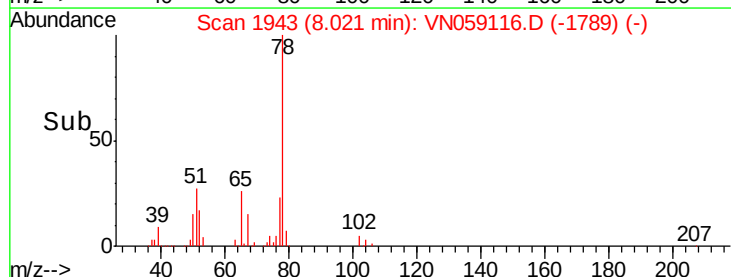
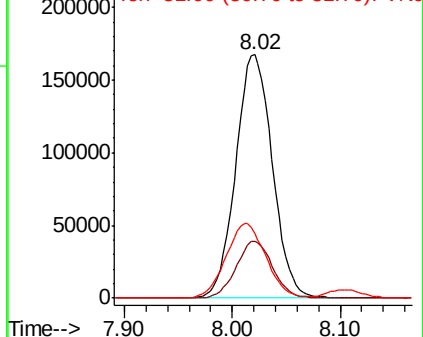
78 100

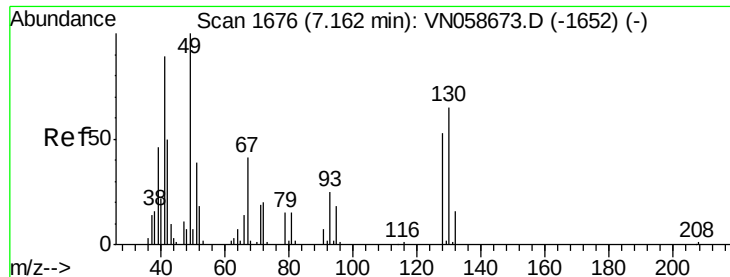
77 23.5 19.2 28.8

51 26.5 22.1 33.1



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

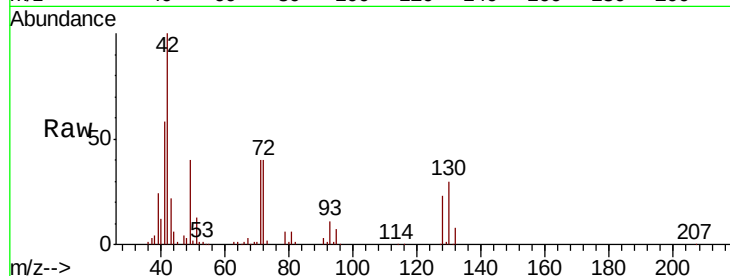




#35
Methacrylonitrile
Concen: 67.458 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.02 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	41.2	25.8	77.4
67	4.5	23.0	69.0#
52	2.5	10.1	30.1#



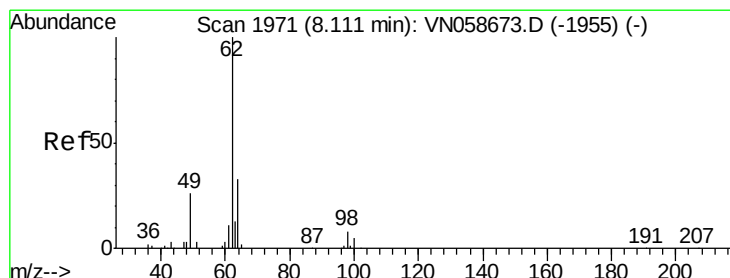
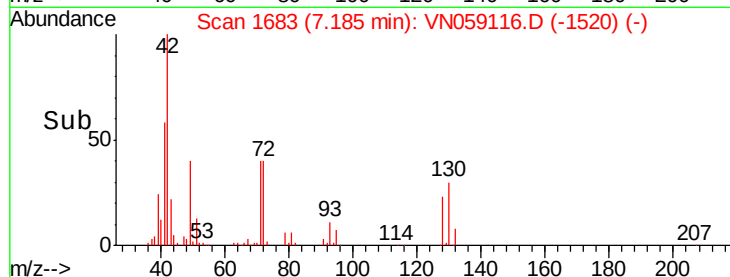
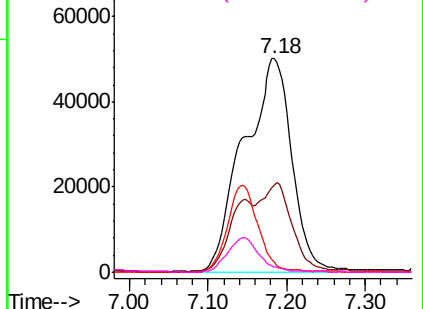
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

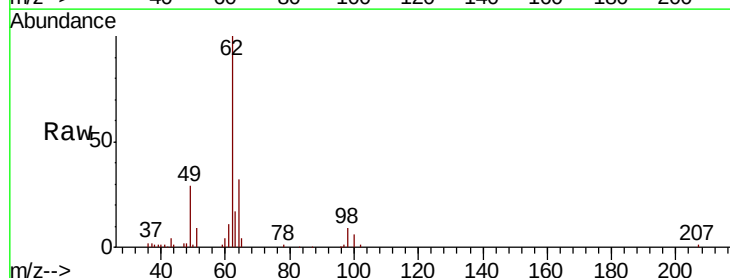
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 19.175 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

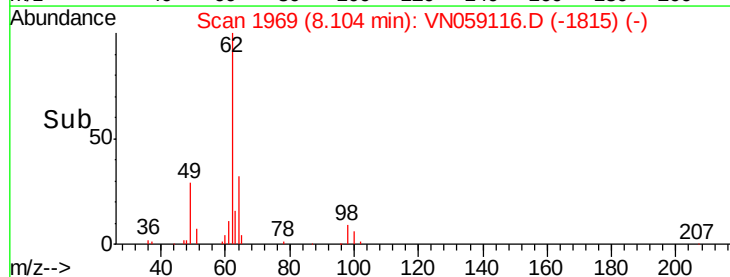
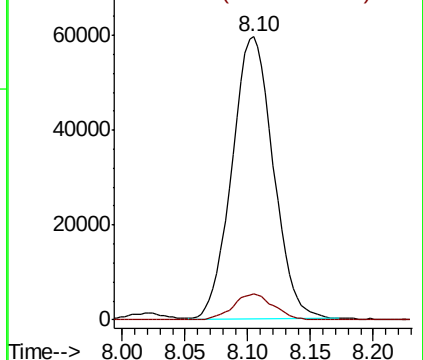
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	6.4	9.6

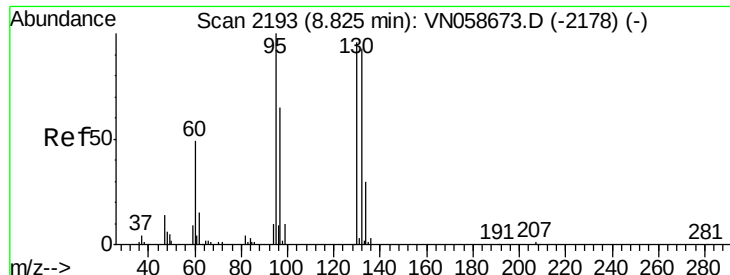


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

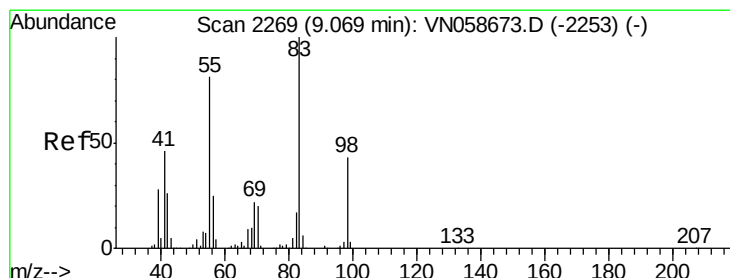
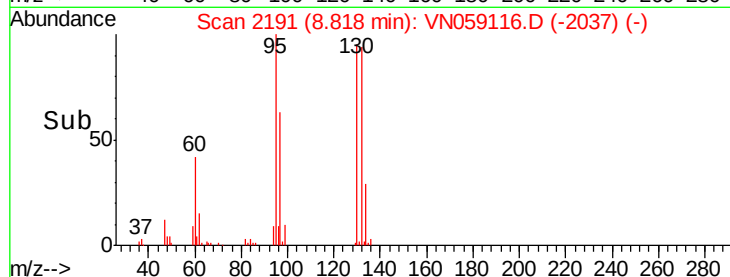
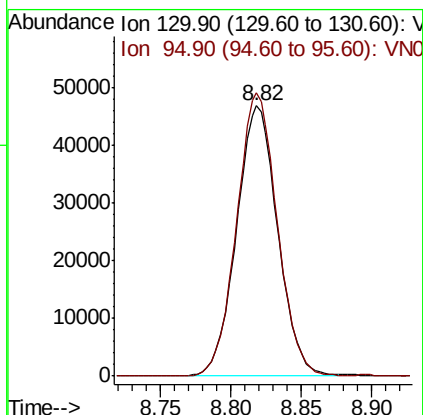
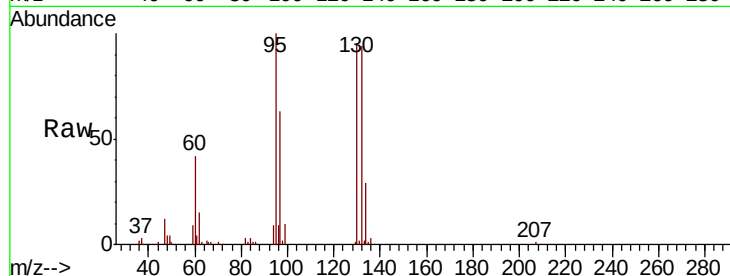




#37
 Trichloroethene
 Concen: 21.022 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

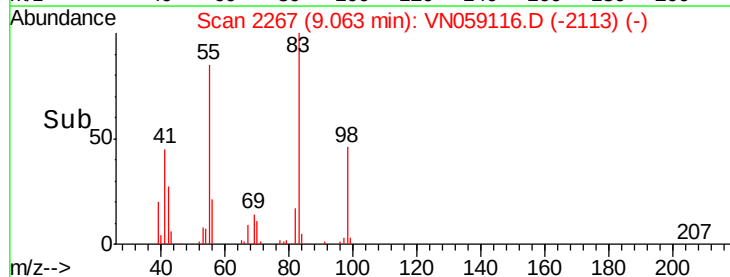
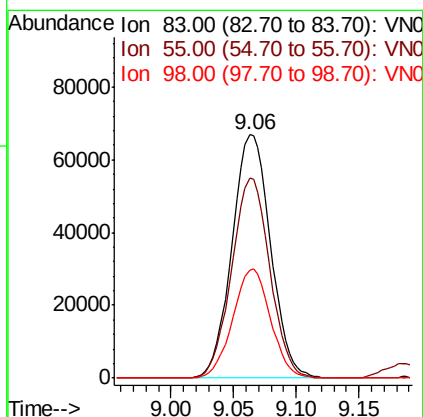
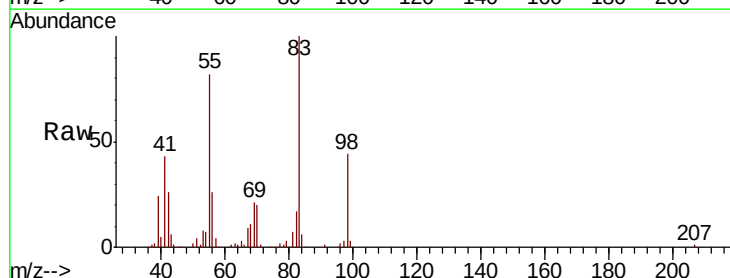
Instrument :
 MSVOA_N
 ClientSampled :
 VN1107WBS01

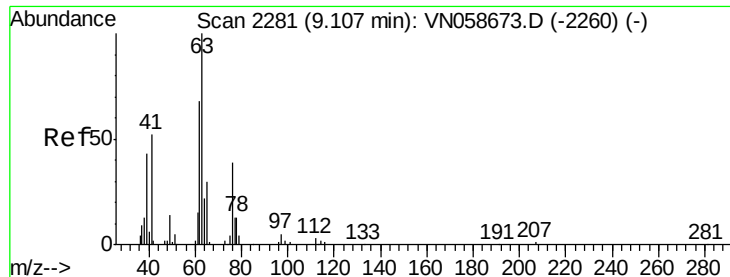
Tot Ion:130 Resp: 95952
 Ion Ratio Lower Upper
 130 100
 95 104.8 83.2 124.8



#38
 Methylcyclohexane
 Concen: 19.576 ug/l
 RT: 9.06 min Scan# 2267
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion: 83 Resp: 143240
 Ion Ratio Lower Upper
 83 100
 55 81.2 40.4 121.1
 98 43.8 21.6 65.0





#39

1,2-Dichloropropane

Concen: 21.521 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

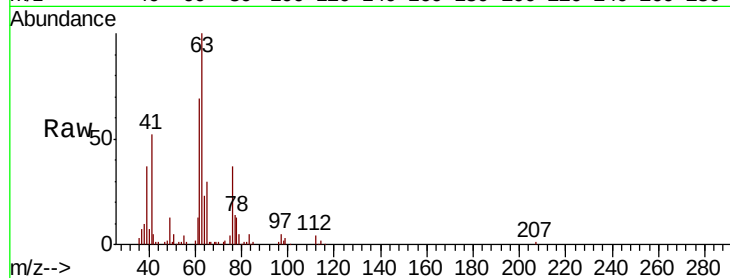
VN1107WBS01

Tot Ion: 63 Resp: 109274

Ion Ratio Lower Upper

63 100

65 30.3 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.10

60000

50000

40000

30000

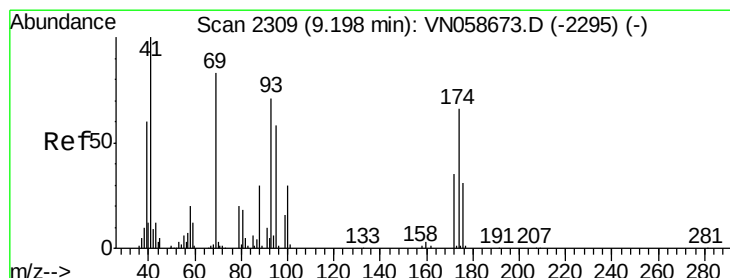
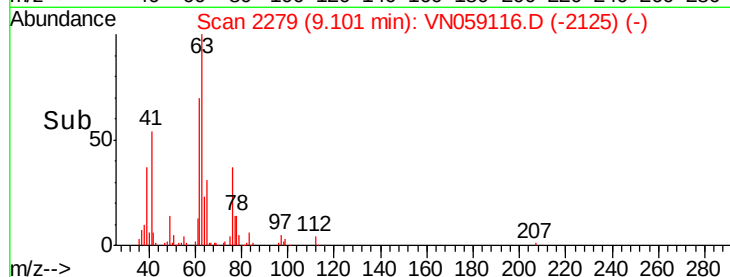
20000

10000

0

Time-->

9.00 9.05 9.10 9.15 9.20



#40

Dibromomethane

Concen: 20.237 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

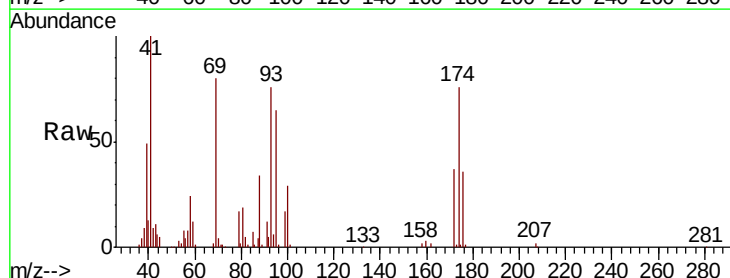
Tgt Ion: 93 Resp: 64865

Ion Ratio Lower Upper

93 100

95 85.5 0.0 167.6

174 100.9 0.0 187.2



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

40000

30000

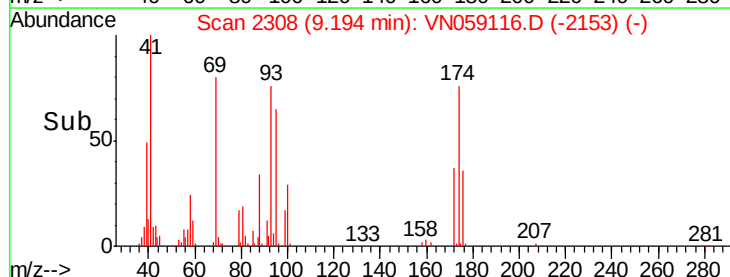
20000

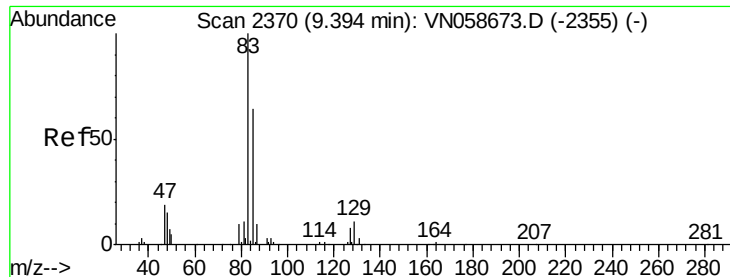
10000

0

Time-->

9.10 9.15 9.20 9.25





#41

Bromodichloromethane

Concen: 20.863 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

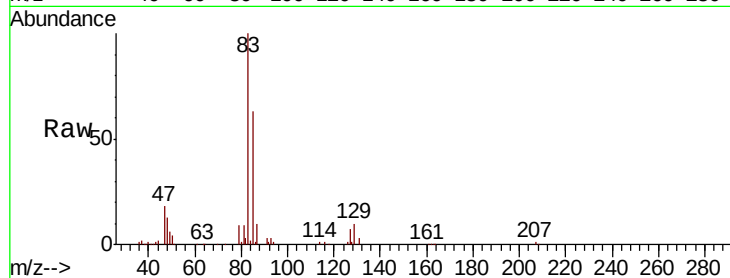
Tot Ion: 83 Resp: 136615

Ion Ratio Lower Upper

83 100

85 62.7 51.0 76.4

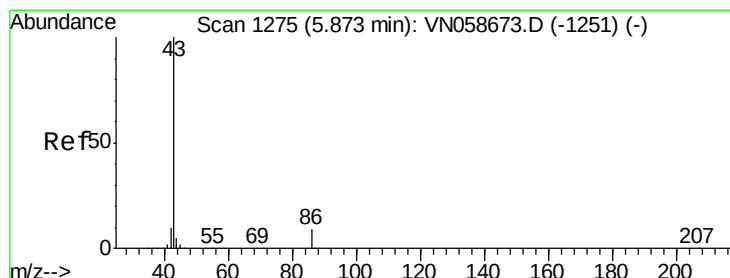
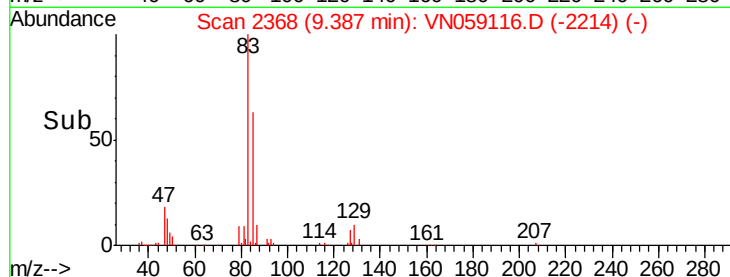
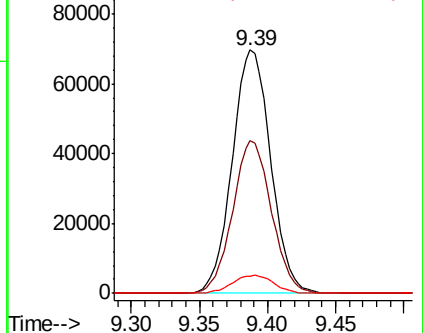
127 7.3 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 107.129 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VN059116.D

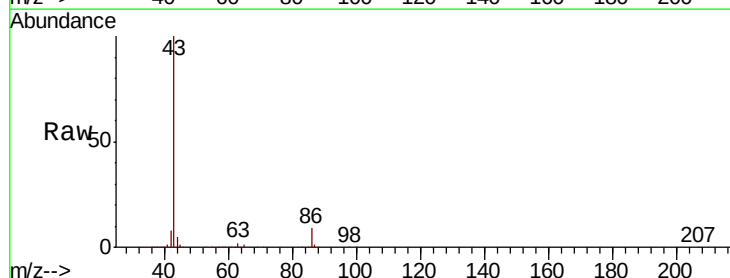
Acq: 7 Nov 2019 12:58

Tgt Ion: 43 Resp: 1338032

Ion Ratio Lower Upper

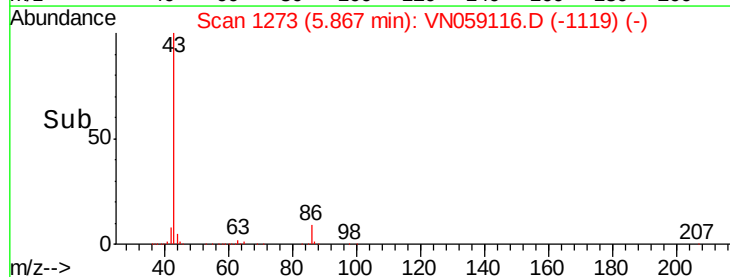
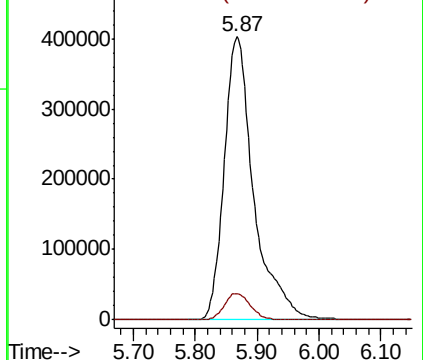
43 100

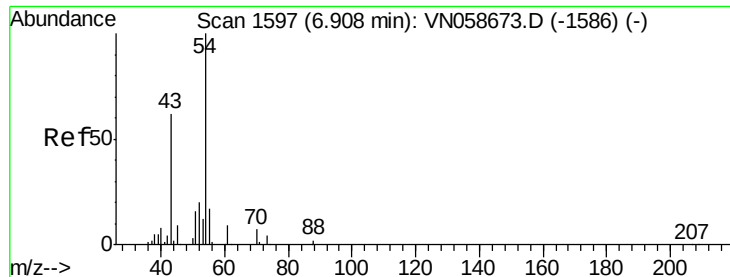
86 8.3 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 21.166 ug/l

RT: 6.90 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

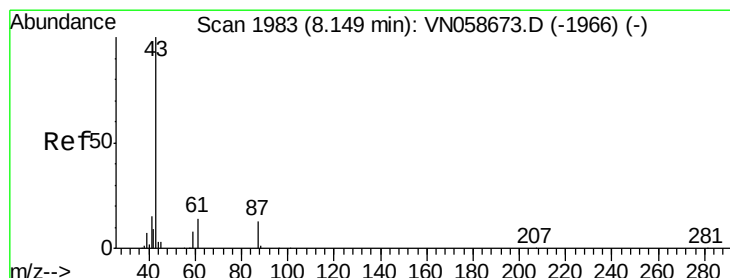
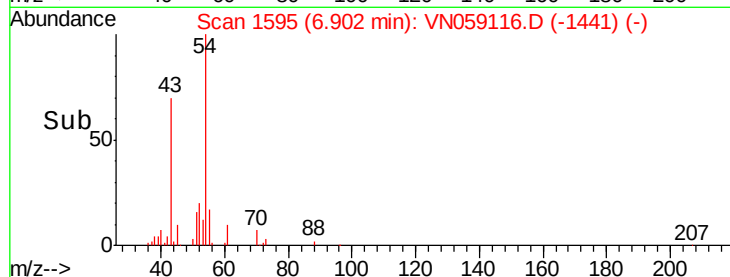
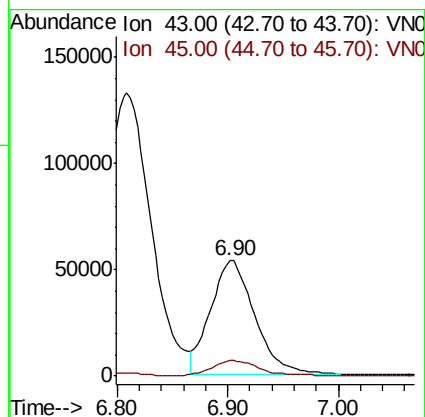
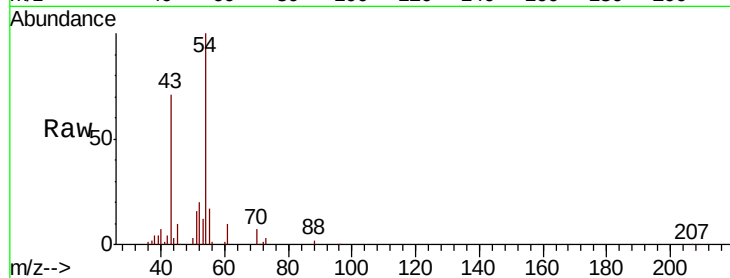
VN1107WBS01

Tot Ion: 43 Resp: 148154

Ion Ratio Lower Upper

43 100

45 15.0 9.7 14.5#



#44

Isopropyl Acetate

Concen: 20.344 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.01 min

Lab File: VN059116.D

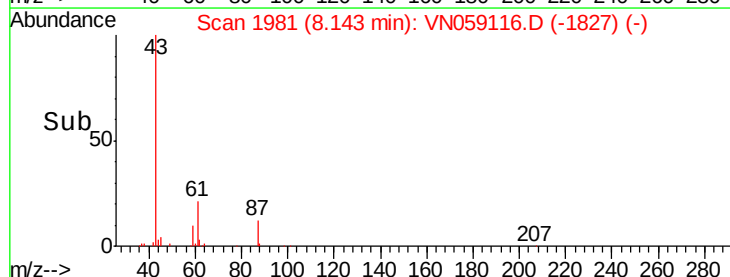
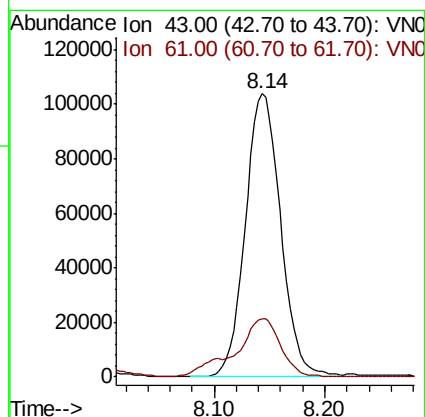
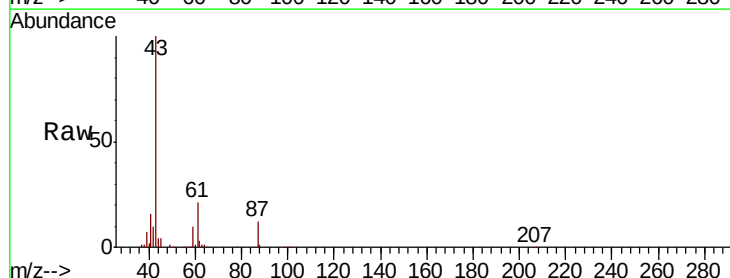
Acq: 7 Nov 2019 12:58

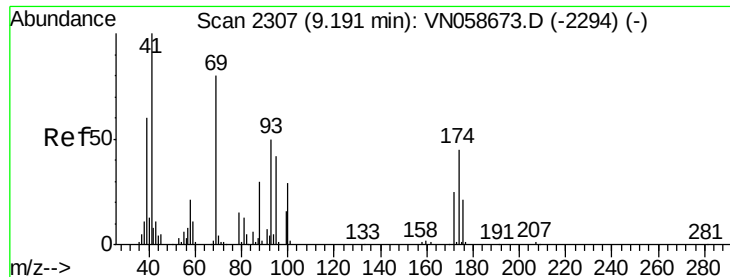
Tgt Ion: 43 Resp: 230662

Ion Ratio Lower Upper

43 100

61 20.0 19.9 29.9

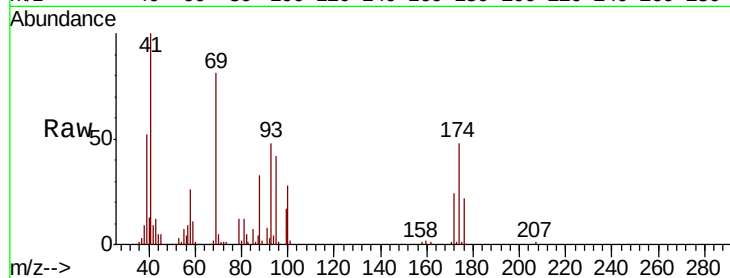




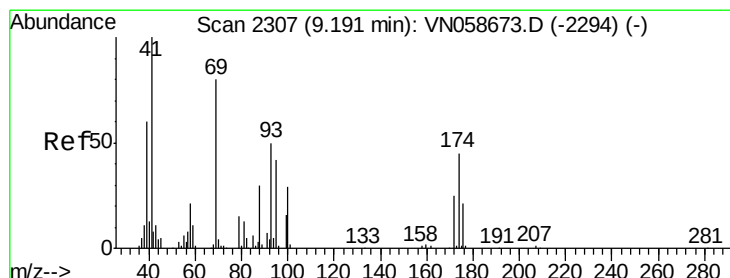
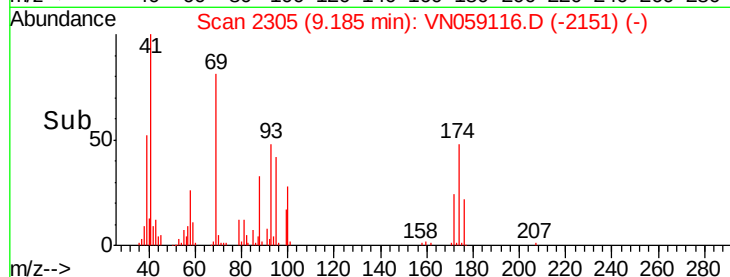
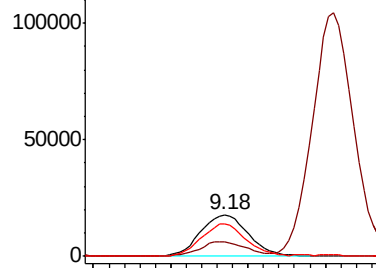
#45
 1,4-Dioxane
 Concen: 442.094 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN1107WBS01

Tot Ion: 88 Resp: 38490
 Ion Ratio Lower Upper
 88 100
 43 34.1 29.8 44.8
 58 72.7 58.2 87.4

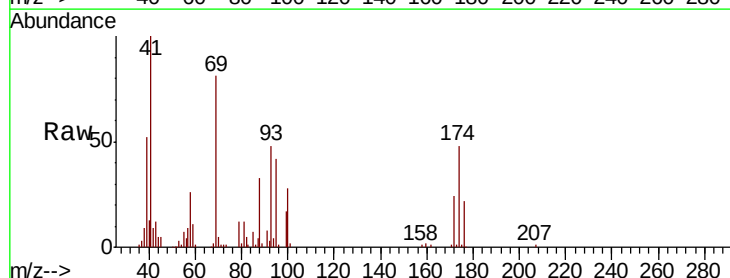


Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

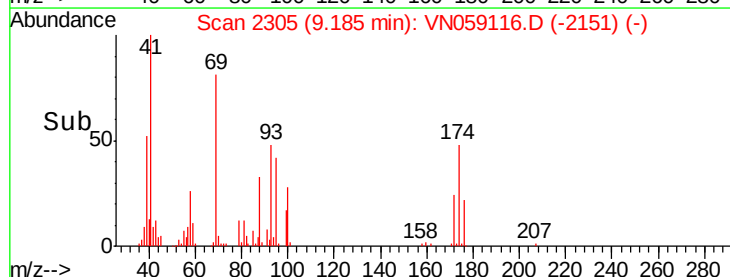
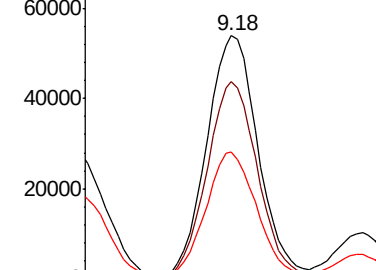


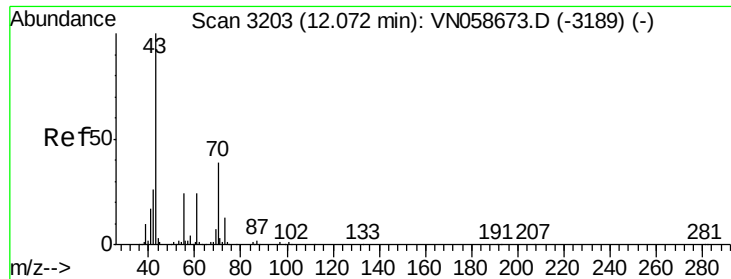
#46
 Methyl methacrylate
 Concen: 19.491 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion: 41 Resp: 101456
 Ion Ratio Lower Upper
 41 100
 69 81.5 40.2 120.5
 39 52.1 29.9 89.8



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





#47

n-amvl Acetate

Concen: 17.389 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

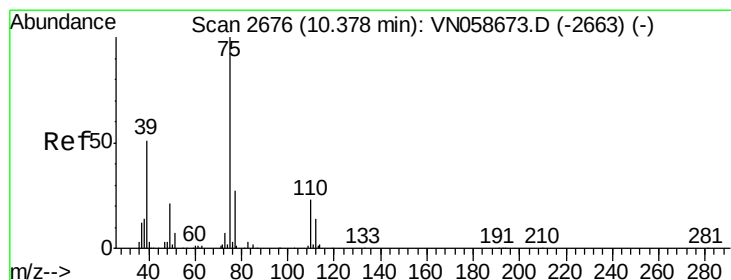
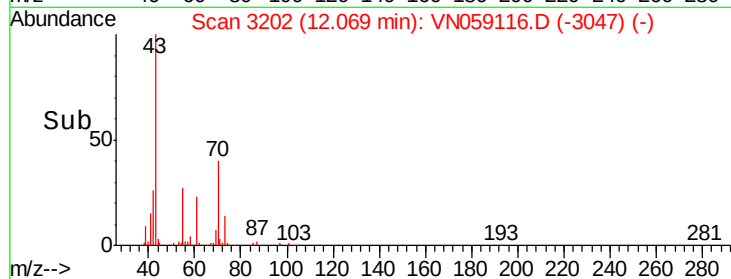
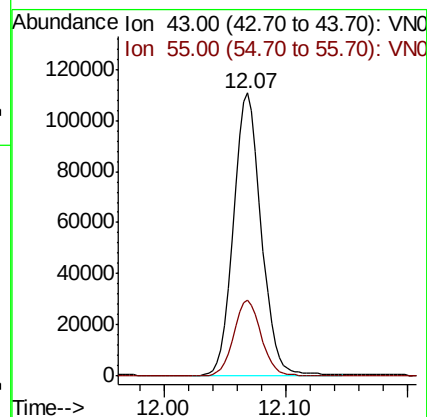
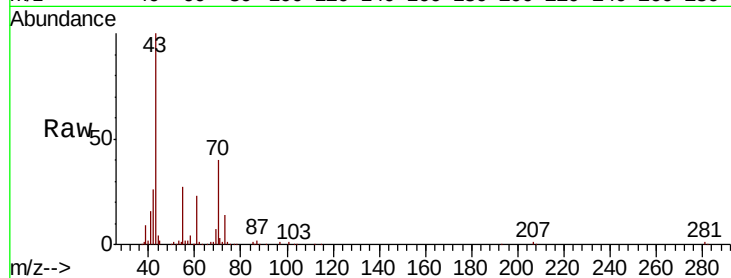
VN1107WBS01

Tot Ion: 43 Resp: 174774

Ion Ratio Lower Upper

43 100

55 27.0 19.6 29.4



#48

t-1,3-Dichloropropene

Concen: 19.790 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059116.D

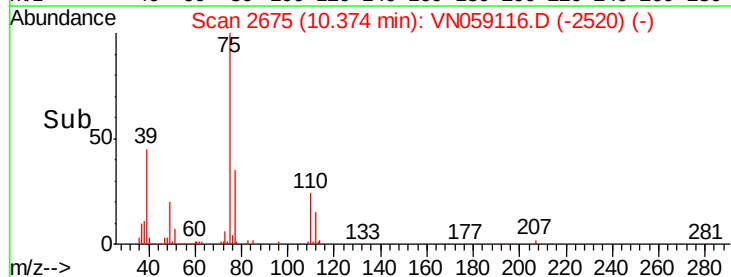
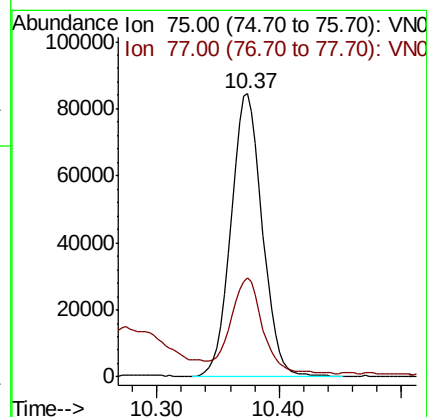
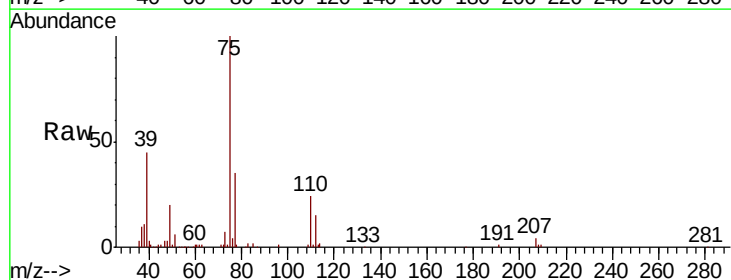
Acq: 7 Nov 2019 12:58

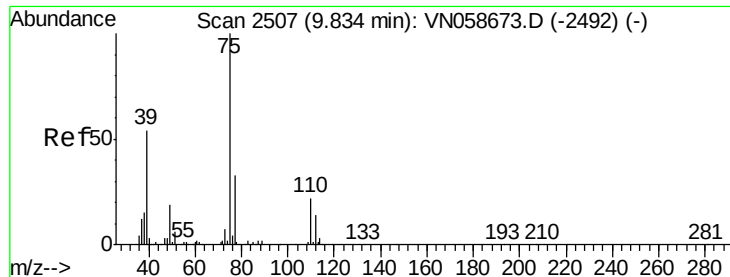
Tgt Ion: 75 Resp: 150289

Ion Ratio Lower Upper

75 100

77 33.6 27.0 40.4



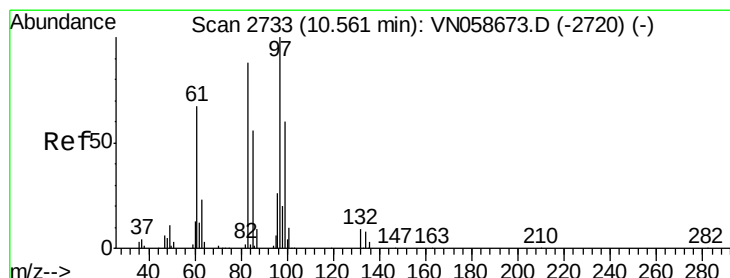
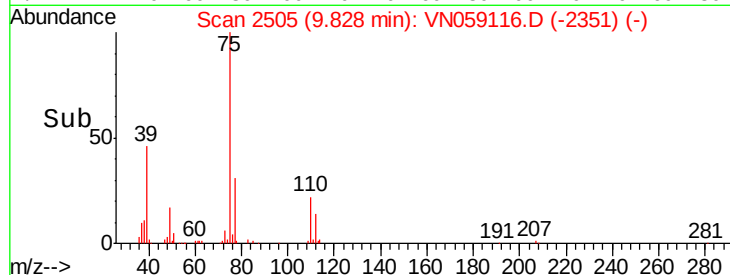
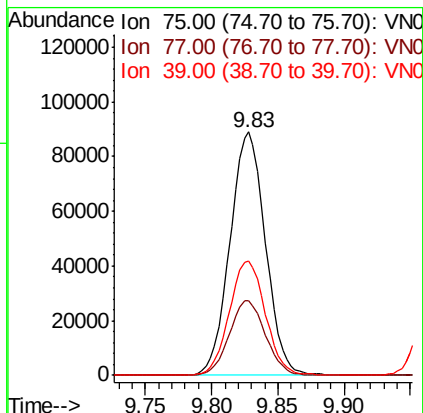
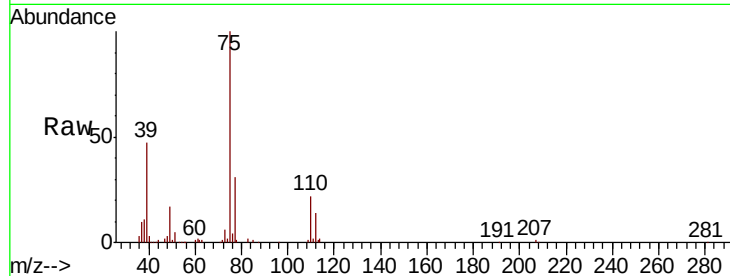


#49

cis-1,3-Dichloropropene
 Concen: 20.744 ug/l
 RT: 9.83 min Scan# 2505
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

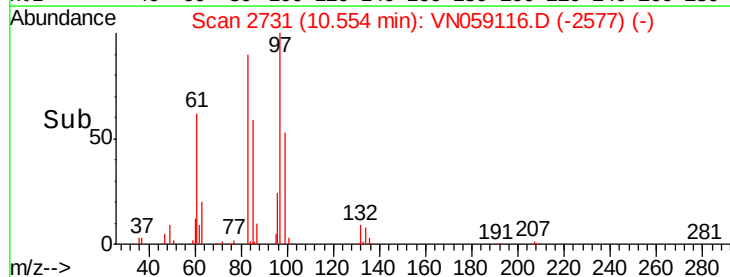
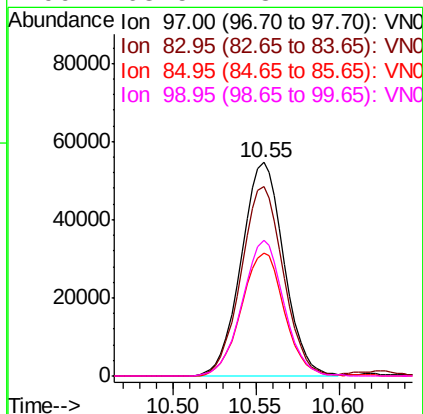
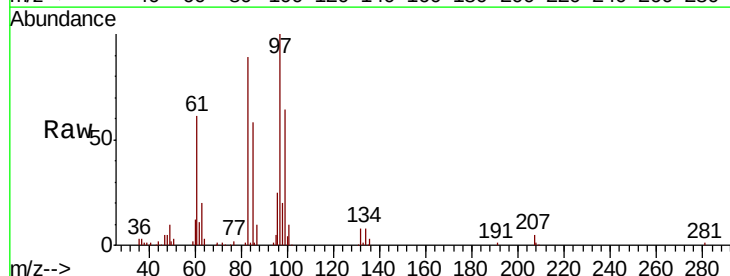
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.1	39.1
39	46.5	43.1	64.7

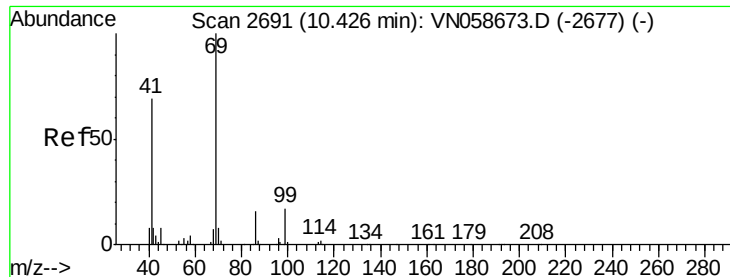


#50

1,1,2-Trichloroethane
 Concen: 21.438 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.7	106.1
85	57.8	45.1	67.7
99	63.5	48.2	72.4





#51

Ethyl methacrylate

Concen: 19.284 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

VN1107WBS01

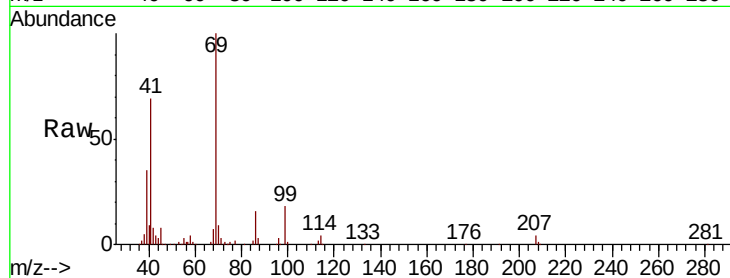
Tot Ion: 69 Resp: 141093

Ion Ratio Lower Upper

69 100

41 68.7 34.7 104.1

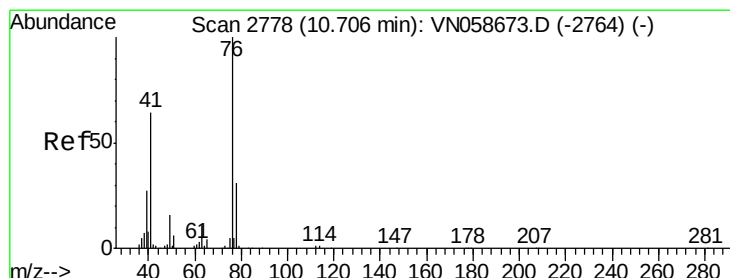
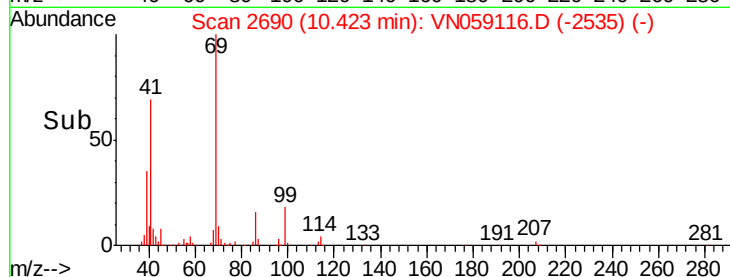
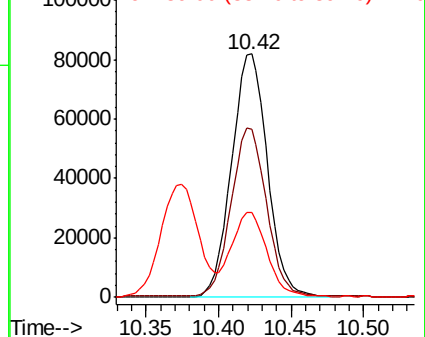
39 34.4 20.3 60.8



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: 20.604 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.01 min

Lab File: VN059116.D

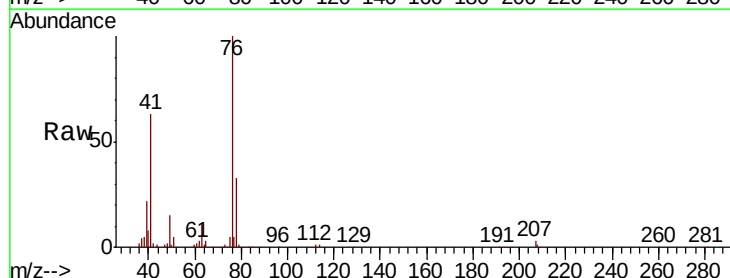
Acq: 7 Nov 2019 12:58

Tgt Ion: 76 Resp: 167899

Ion Ratio Lower Upper

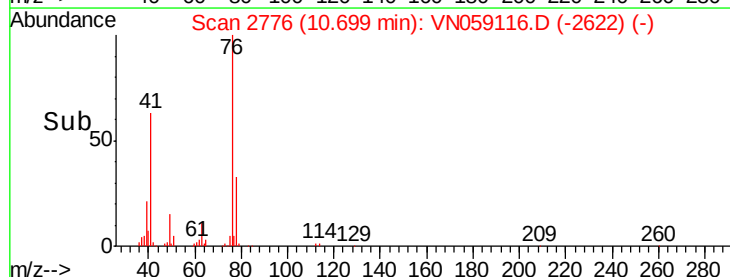
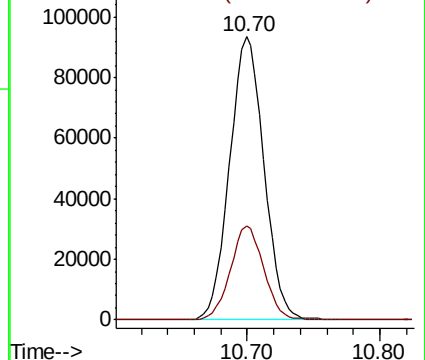
76 100

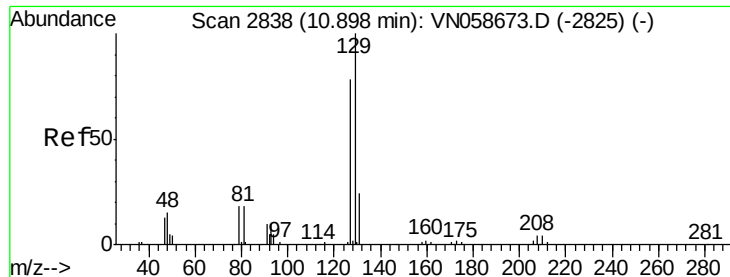
78 32.1 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.512 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

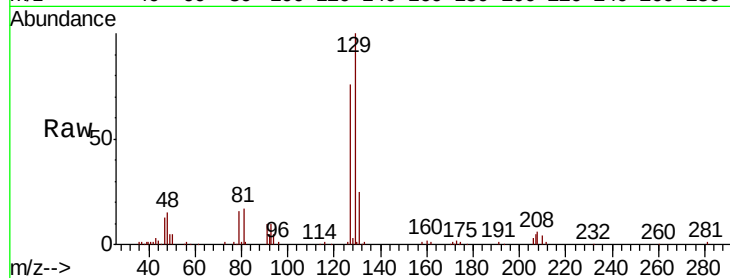
VN1107WBS01

Tot Ion:129 Resp: 100729

Ion Ratio Lower Upper

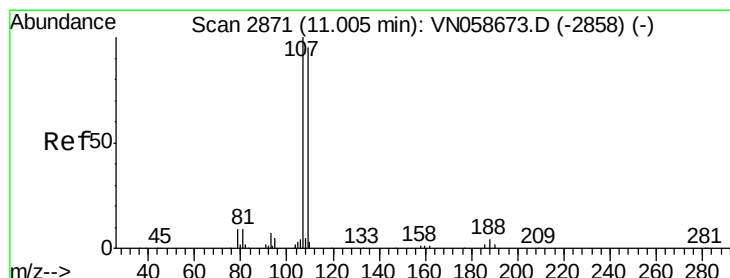
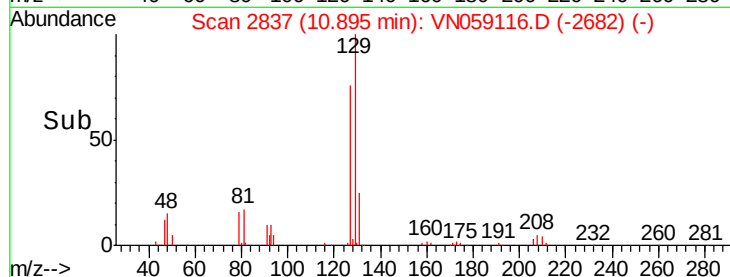
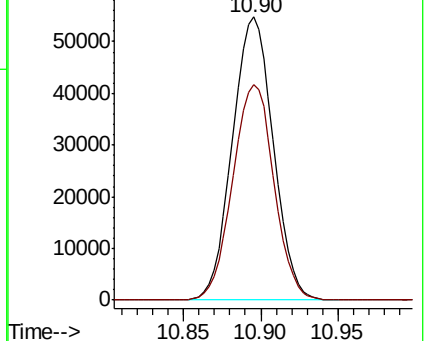
129 100

127 77.0 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: 20.224 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.01 min

Lab File: VN059116.D

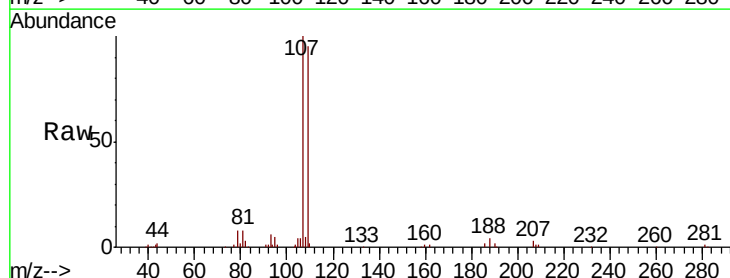
Acq: 7 Nov 2019 12:58

Tgt Ion:107 Resp: 95920

Ion Ratio Lower Upper

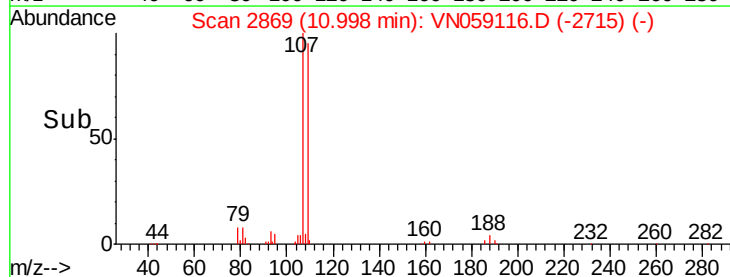
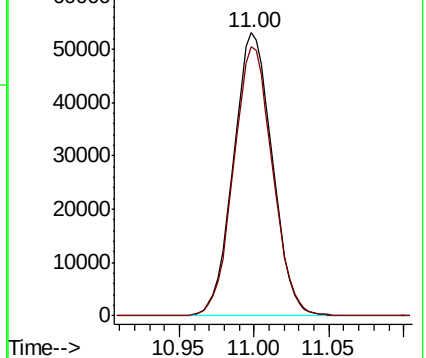
107 100

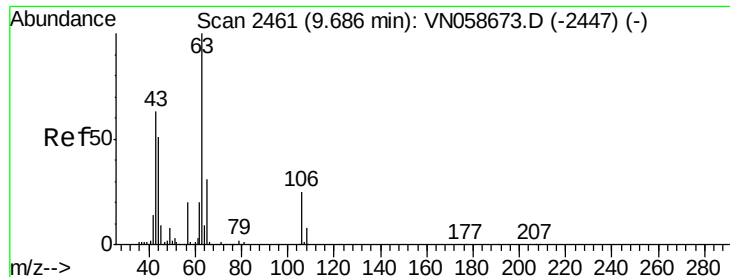
109 95.5 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

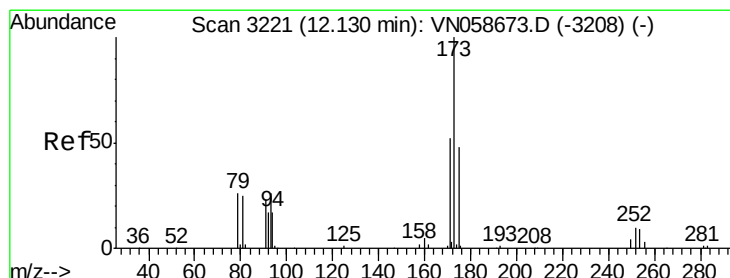
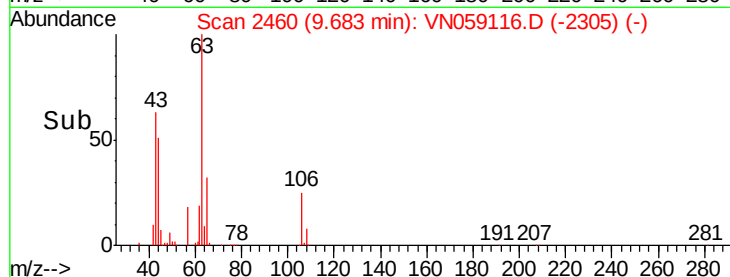
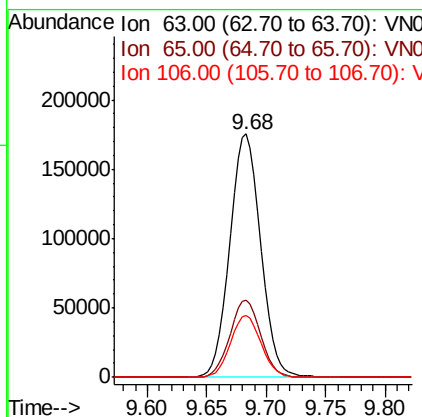
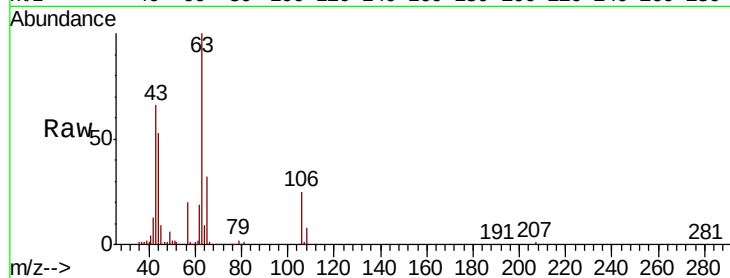




#55
2-Chloroethyl vinyl ether
Concen: 86.679 ug/l
RT: 9.68 min Scan# 2460
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

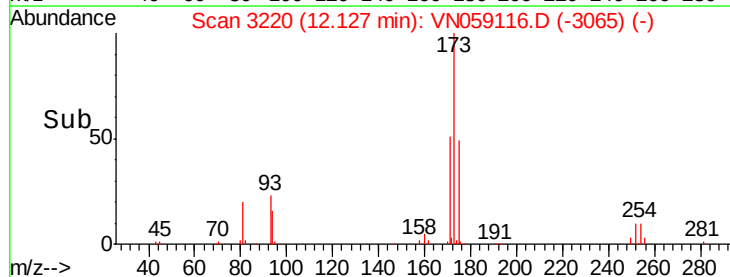
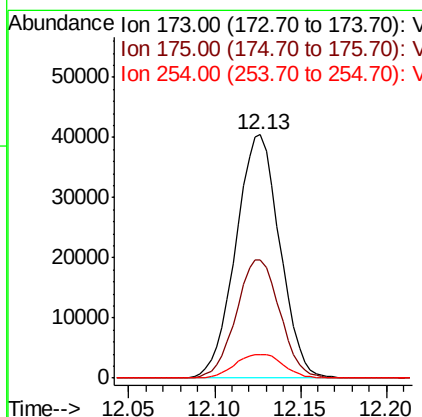
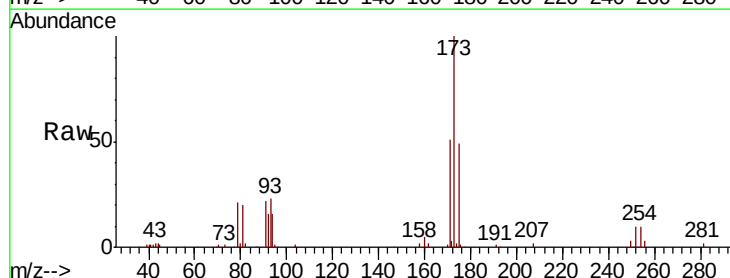
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

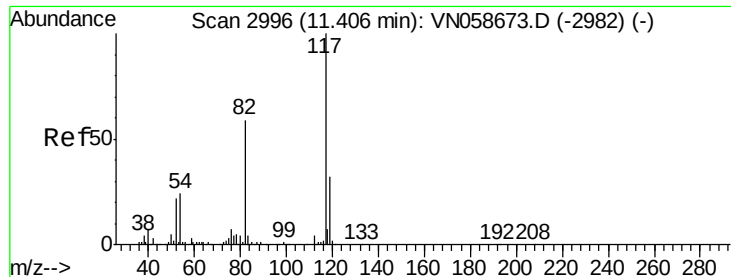
Tot Ion: 63 Resp: 315475
Ion Ratio Lower Upper
63 100
65 31.6 25.3 37.9
106 25.1 19.8 29.6



#56
Bromoform
Concen: 21.027 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion: 173 Resp: 71930
Ion Ratio Lower Upper
173 100
175 48.2 38.7 58.1
254 10.4 7.4 11.2

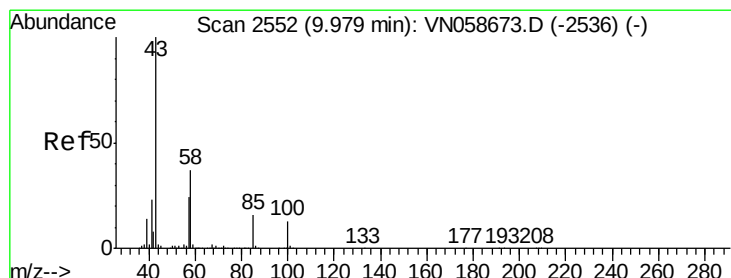
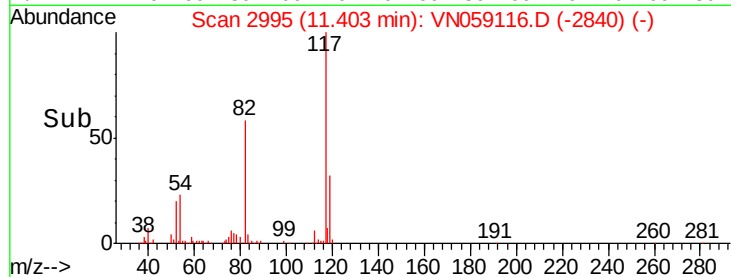
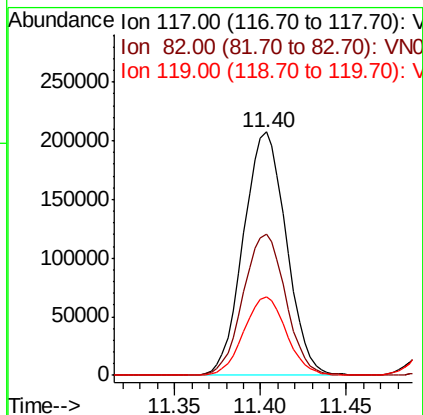
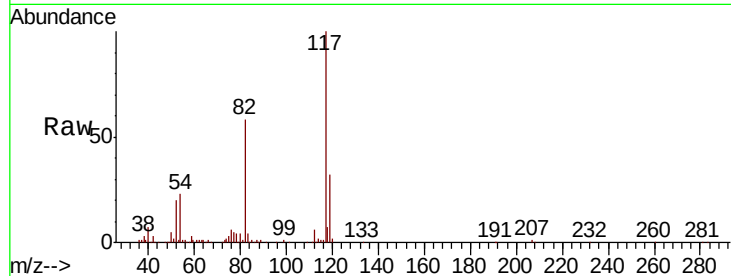




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

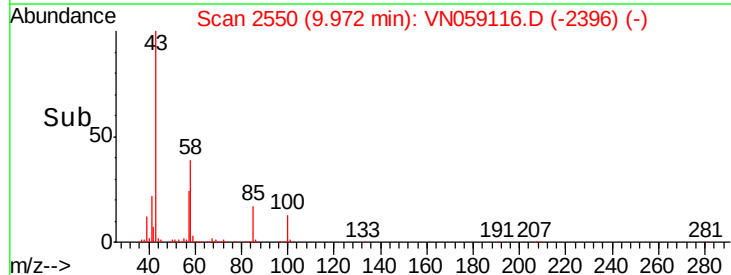
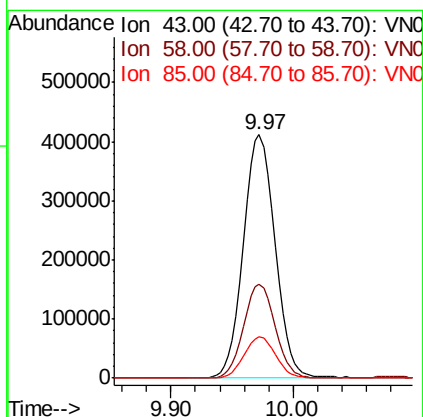
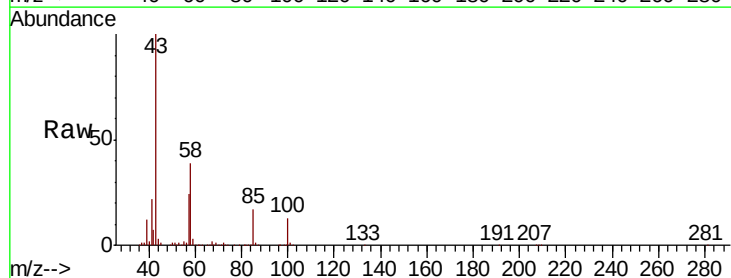
Instrument :
MSVOA_N
ClientSampled :
VN1107WBS01

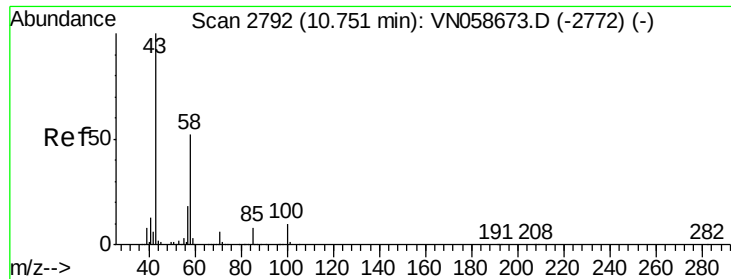
Tot Ion:117 Resp: 359219
Ion Ratio Lower Upper
117 100
82 58.0 46.9 70.3
119 32.0 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 112.431 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion: 43 Resp: 736770
Ion Ratio Lower Upper
43 100
58 38.5 30.1 45.1
85 16.9 13.2 19.8

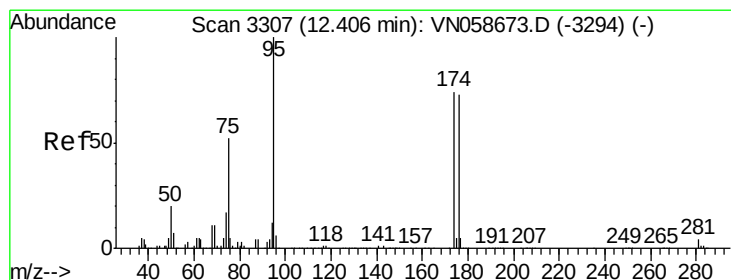
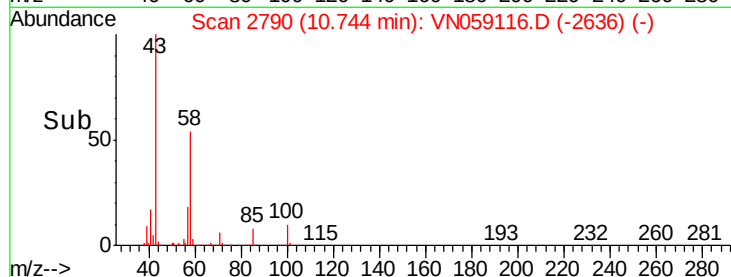
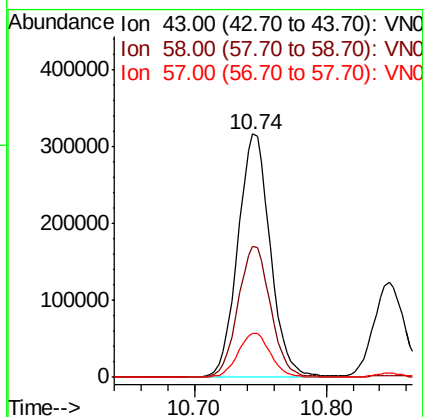
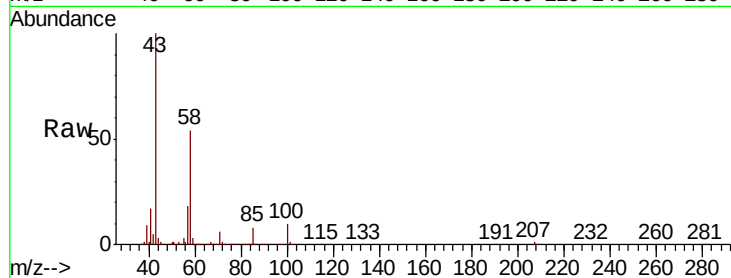




#59
2-Hexanone
Concen: 104.589 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

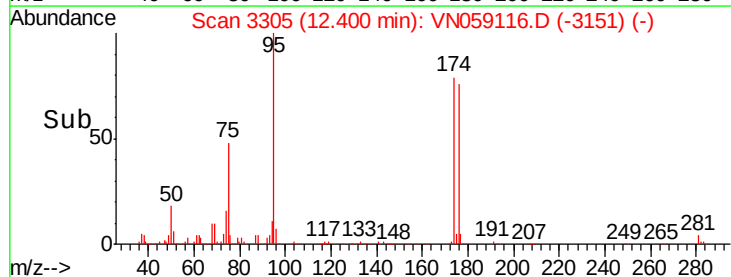
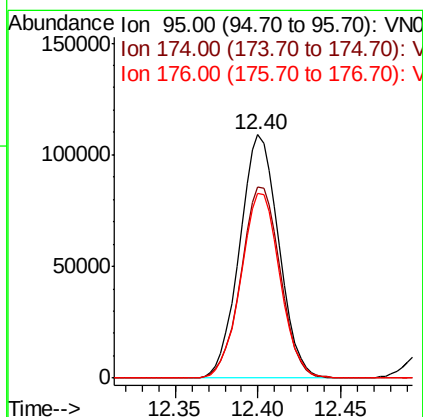
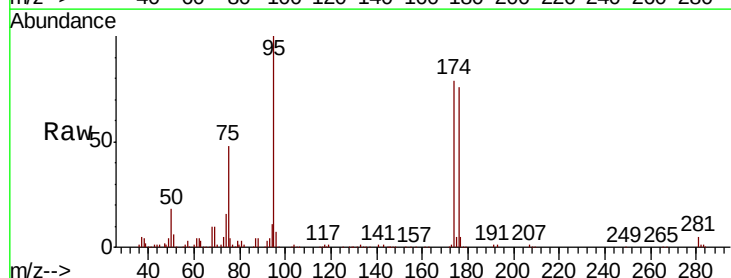
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

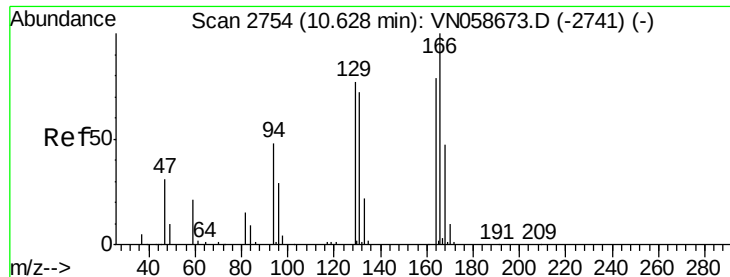
Tot Ion: 43 Resp: 537320
Ion Ratio Lower Upper
43 100
58 54.2 41.4 62.0
57 18.3 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 28.542 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion: 95 Resp: 179349
Ion Ratio Lower Upper
95 100
174 78.7 59.9 89.9
176 76.0 58.3 87.5





#61

Tetrachloroethene

Concen: 22.221 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

Tot Ion:164 Resp: 86257

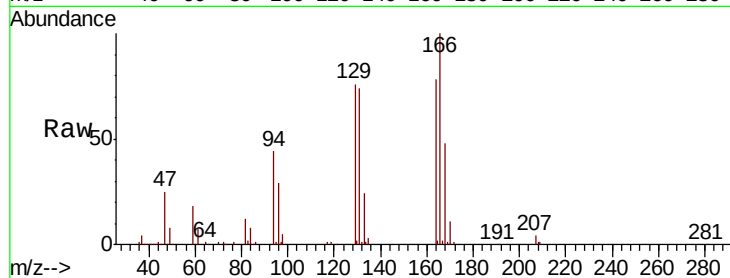
Ion Ratio Lower Upper

164 100

166 128.9 101.4 152.2

129 98.2 78.1 117.1

131 95.6 73.2 109.8

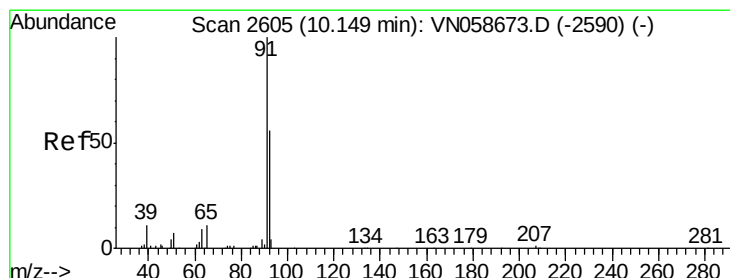
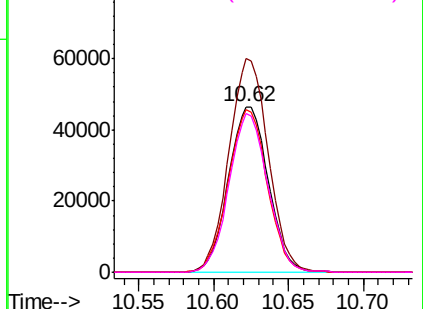
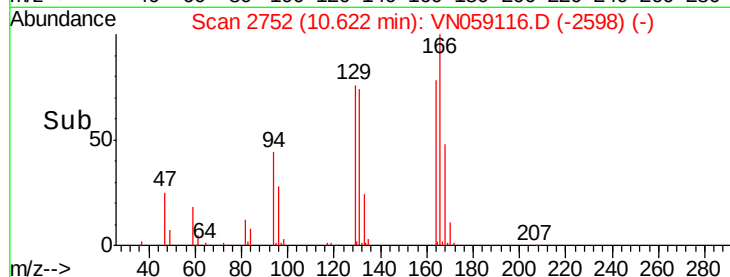


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.508 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.01 min

Lab File: VN059116.D

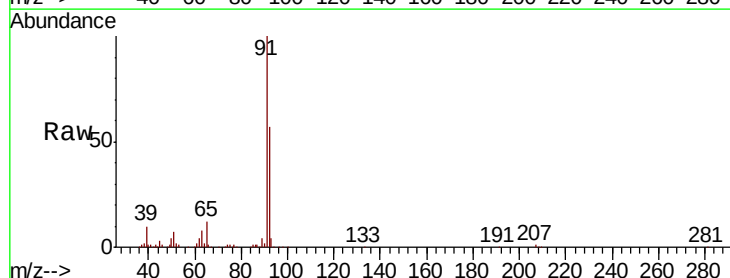
Acq: 7 Nov 2019 12:58

Tgt Ion: 91 Resp: 415591

Ion Ratio Lower Upper

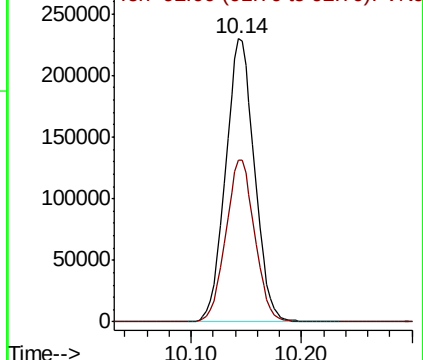
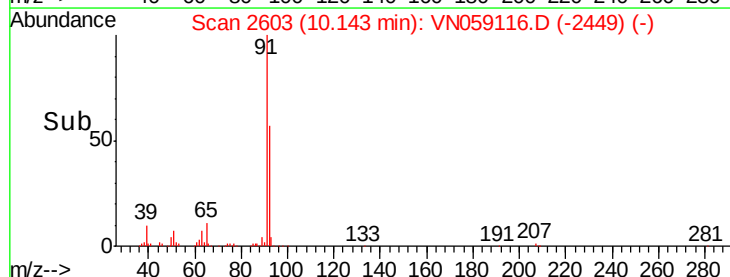
91 100

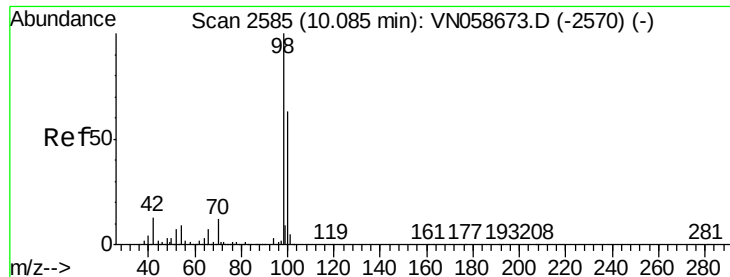
92 57.3 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.449 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

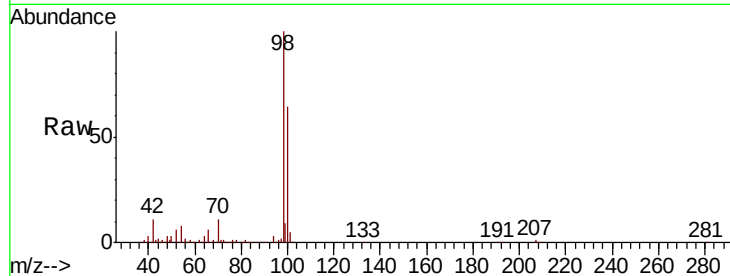
VN1107WBS01

Tot Ion: 98 Resp: 516437

Ion Ratio Lower Upper

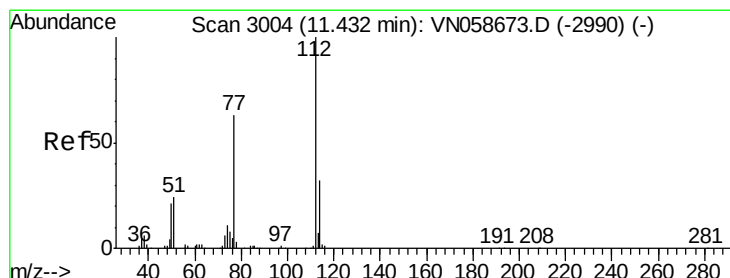
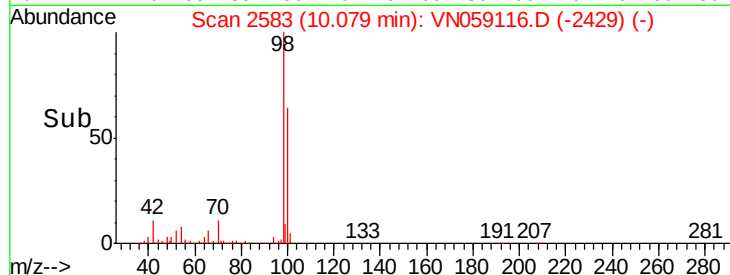
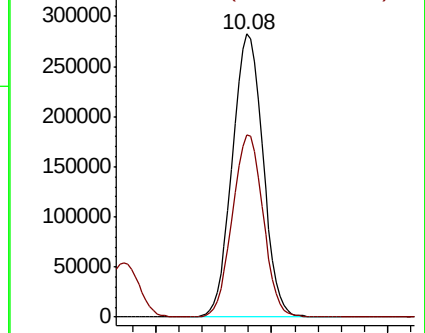
98 100

100 64.4 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 20.929 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059116.D

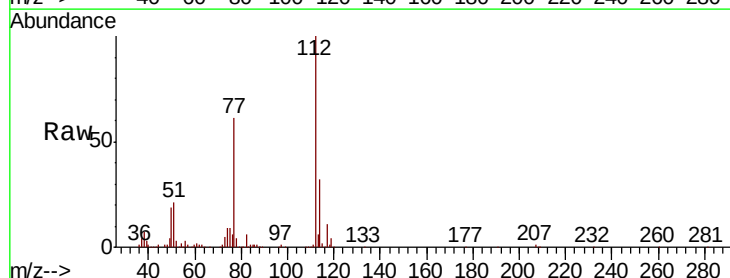
Acq: 7 Nov 2019 12:58

Tgt Ion: 112 Resp: 247248

Ion Ratio Lower Upper

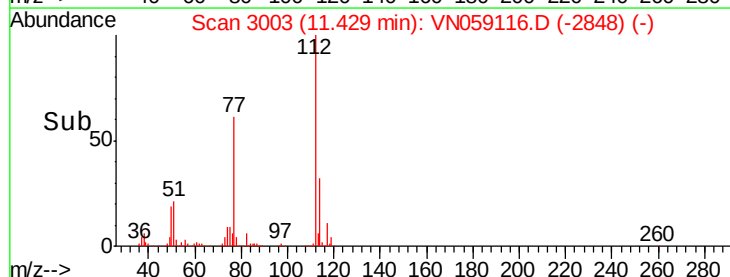
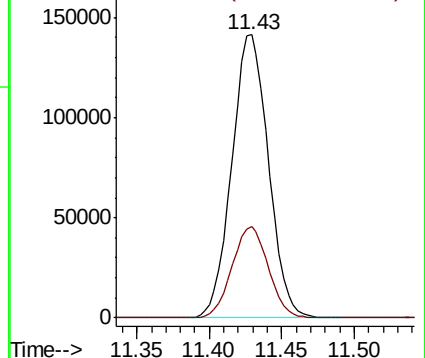
112 100

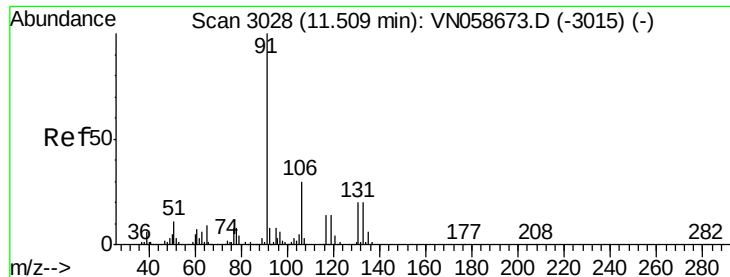
114 32.2 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 21.398 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

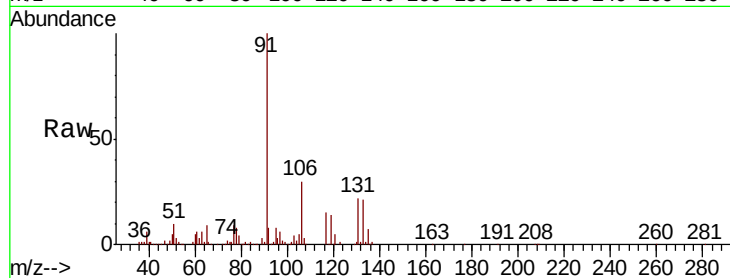
Tot Ion:131 Resp: 94787

Ion Ratio Lower Upper

131 100

133 96.6 0.0 194.0

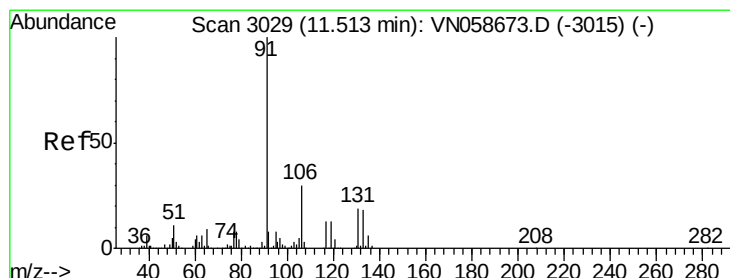
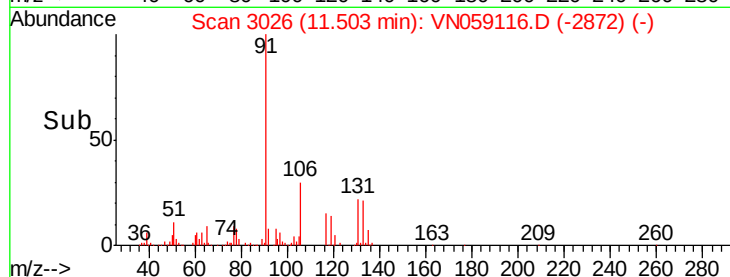
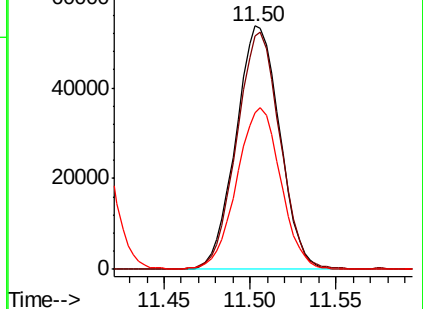
119 66.5 0.0 136.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.561 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.01 min

Lab File: VN059116.D

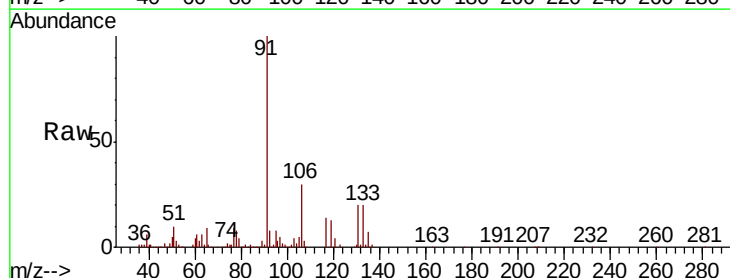
Acq: 7 Nov 2019 12:58

Tgt Ion: 91 Resp: 439910

Ion Ratio Lower Upper

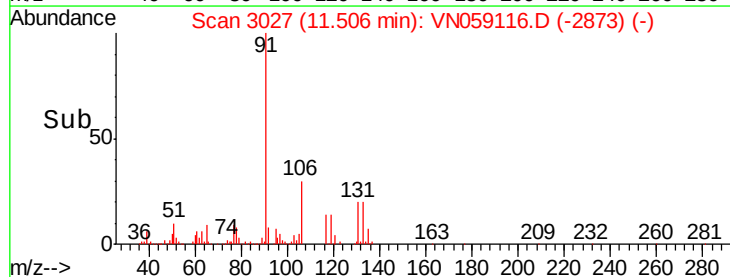
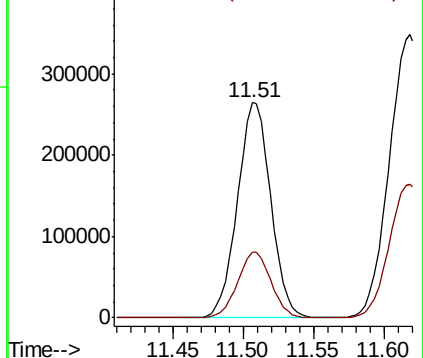
91 100

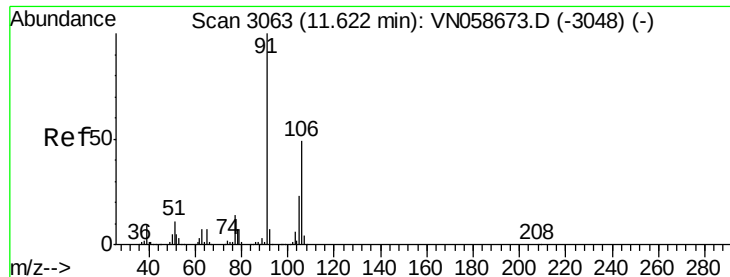
106 30.4 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.479 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

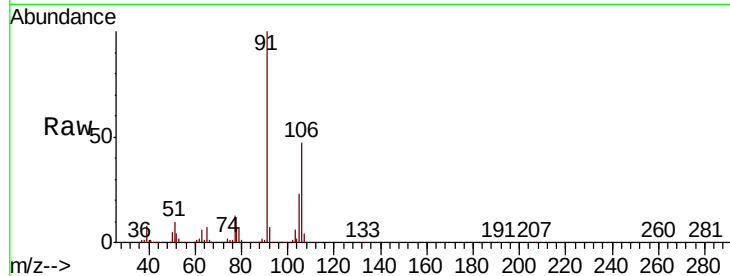
VN1107WBS01

Tot Ion:106 Resp: 323568

Ion Ratio Lower Upper

106 100

91 208.9 165.6 248.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

400000

300000

200000

100000

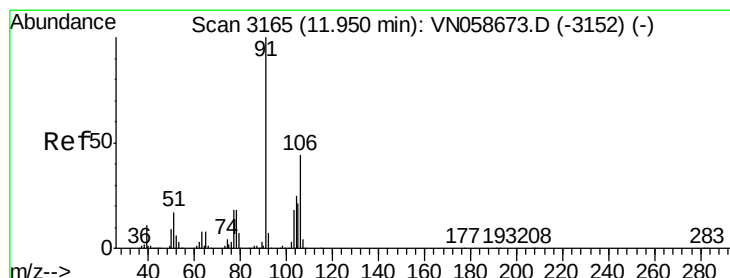
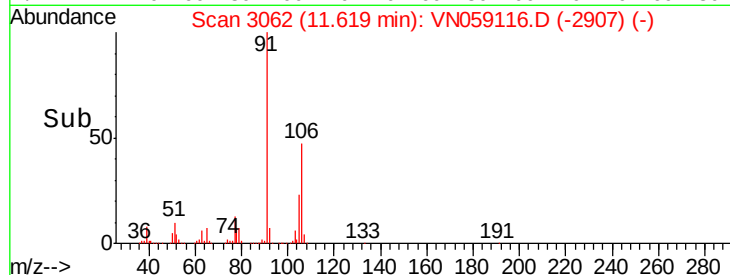
0

11.62

11.60

11.70

Time-->



#68

o-Xylene

Concen: 20.263 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059116.D

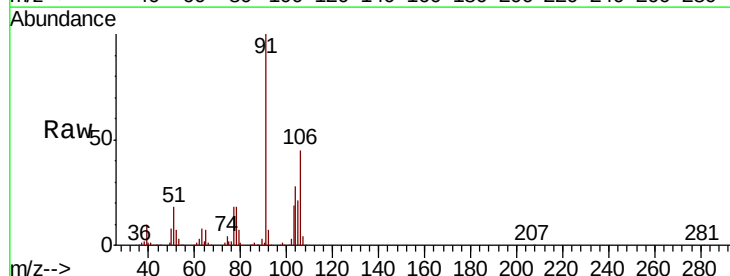
Acq: 7 Nov 2019 12:58

Tgt Ion:106 Resp: 157020

Ion Ratio Lower Upper

106 100

91 220.8 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

250000

200000

150000

100000

50000

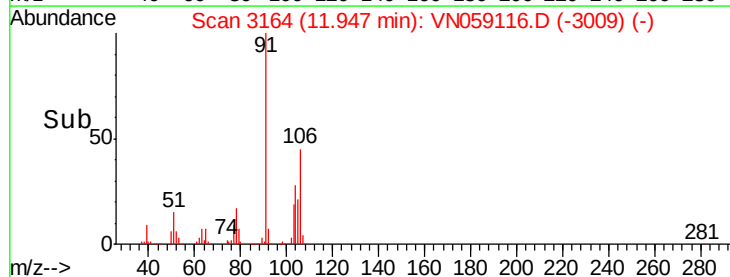
0

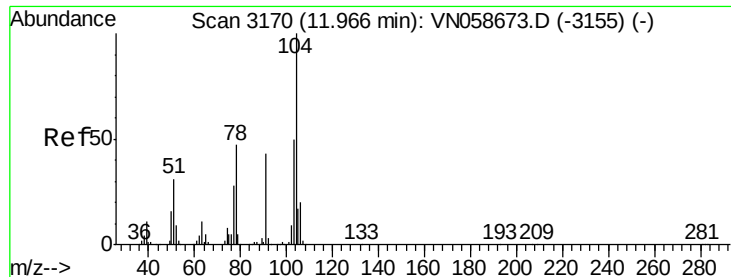
11.95

11.90

12.00

Time-->

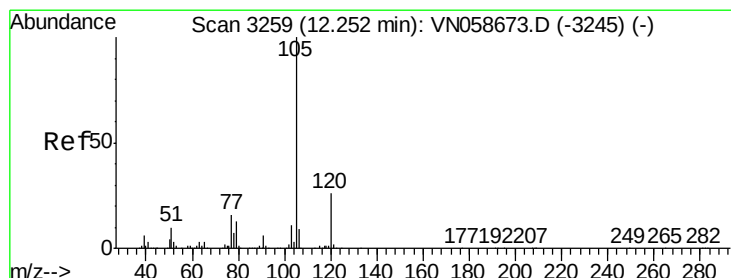
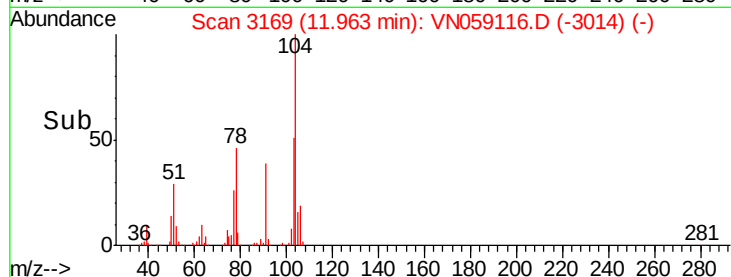
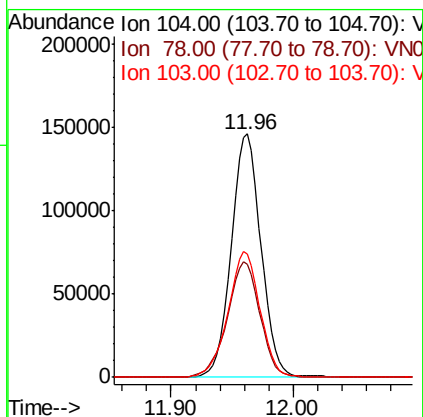
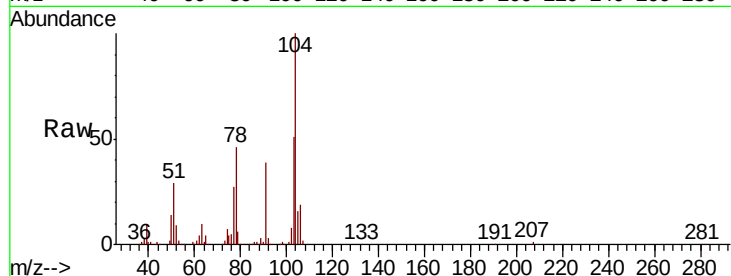




#69
Stvrene
Concen: 19.392 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

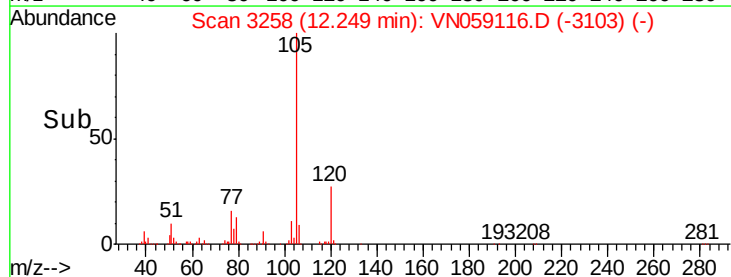
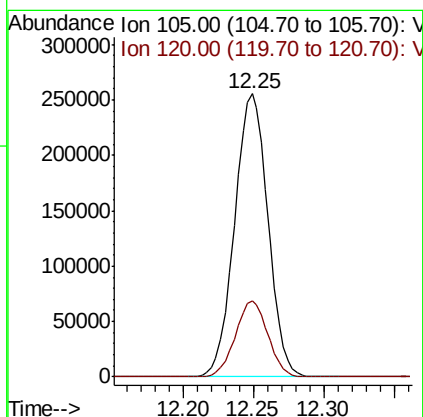
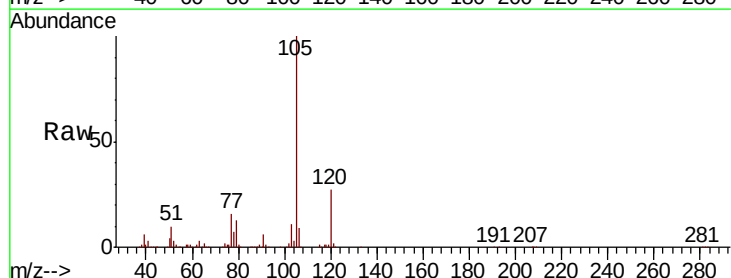
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

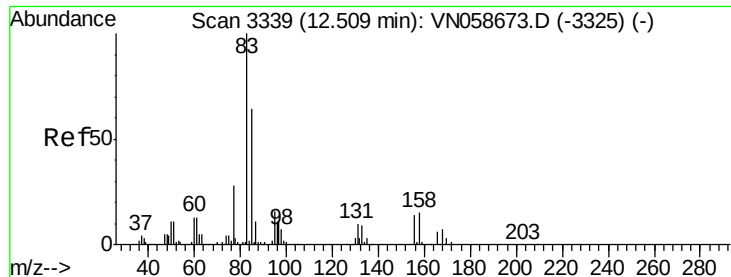
Tot Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.4	63.6
103	55.7	44.6	66.8



#70
Isopropylbenzene
Concen: 20.225 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.4	34.2

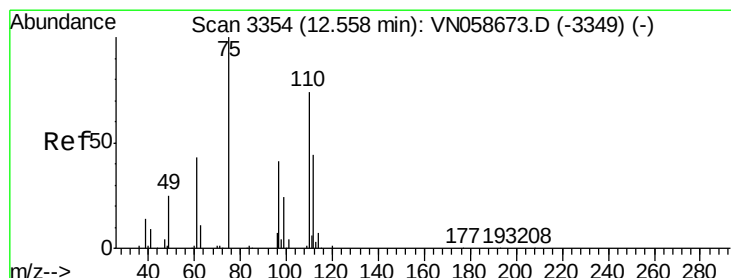
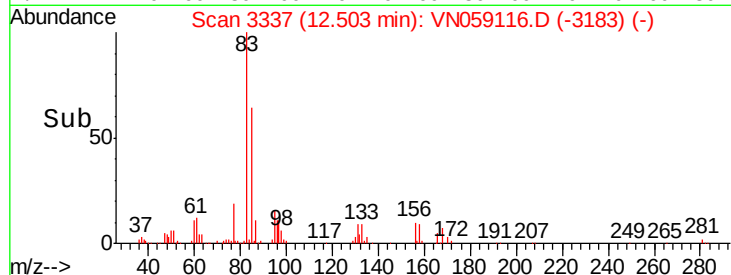
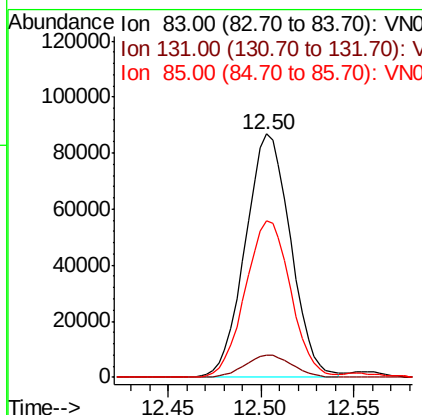
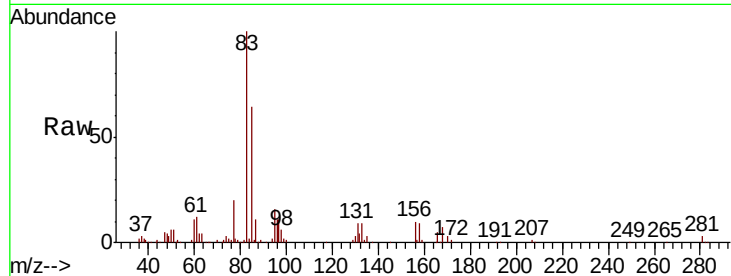




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.874 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

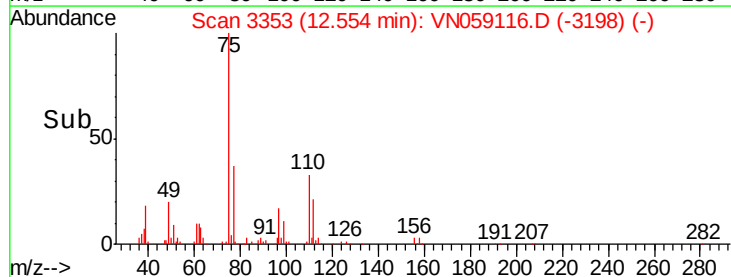
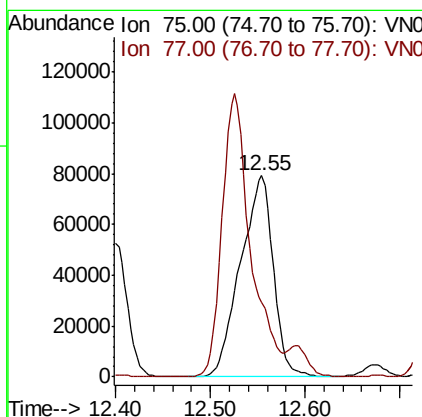
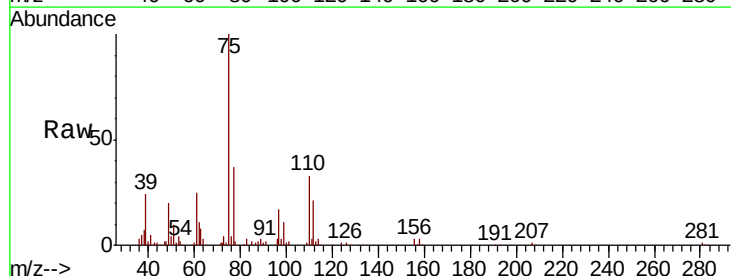
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

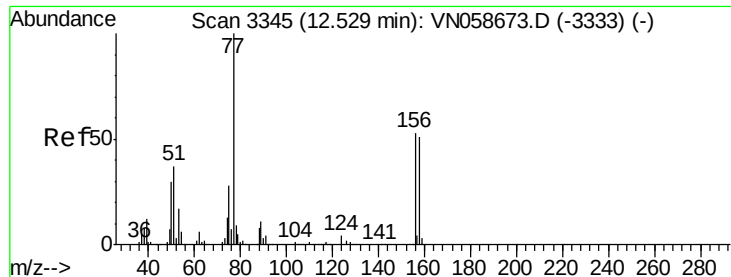
Tot Ion	83	Resp	147021
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	64.8	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 29.972 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion	75	Resp	191289
Ion Ratio	Lower	Upper	
75	100		
77	122.6	0.0	359.4





#73

Bromobenzene

Concen: 20.240 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

VN1107WBS01

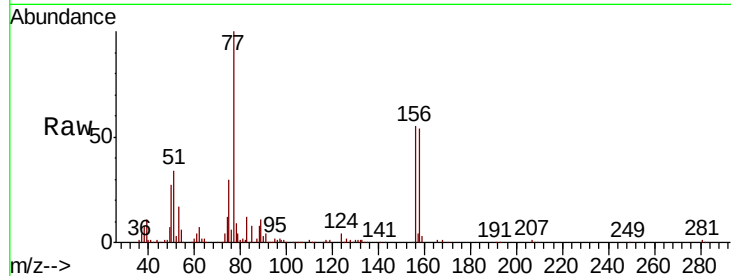
Tot Ion:156 Resp: 102856

Ion Ratio Lower Upper

156 100

77 227.9 0.0 456.0

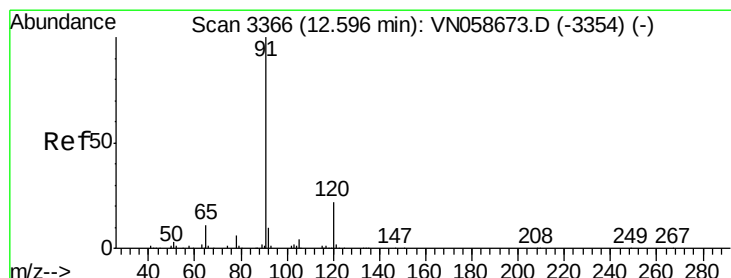
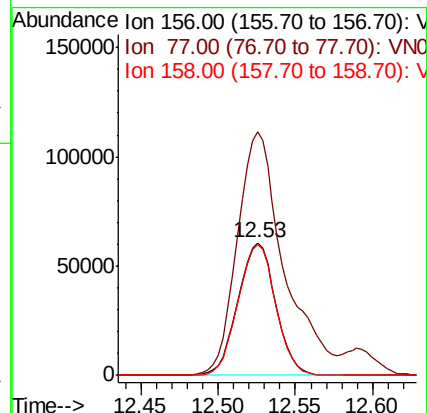
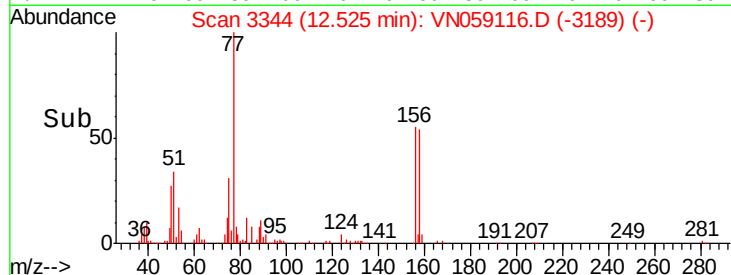
158 98.2 0.0 195.4



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: 19.954 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.01 min

Lab File: VN059116.D

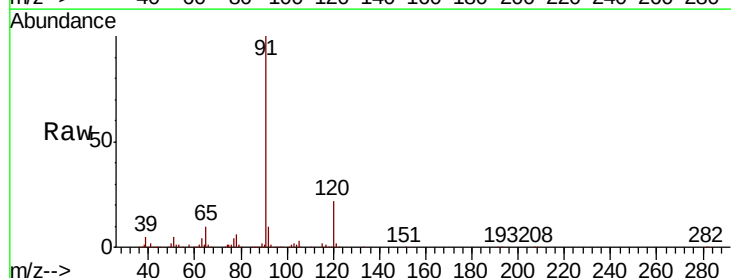
Acq: 7 Nov 2019 12:58

Tgt Ion: 91 Resp: 488650

Ion Ratio Lower Upper

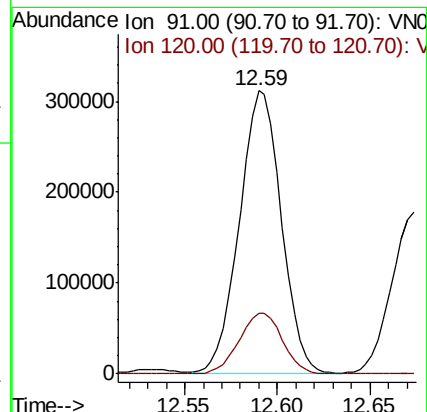
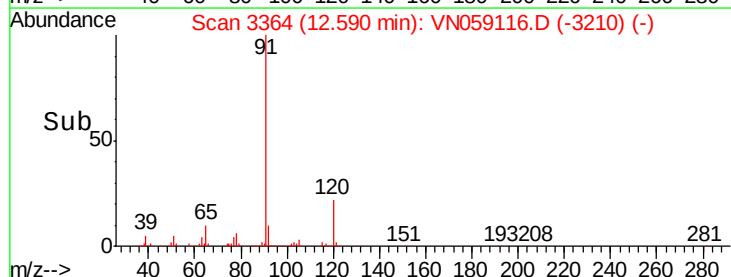
91 100

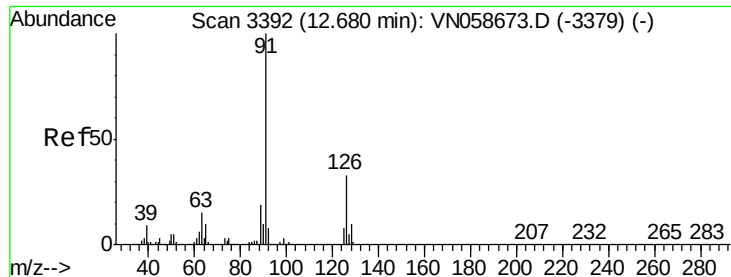
120 22.2 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.178 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

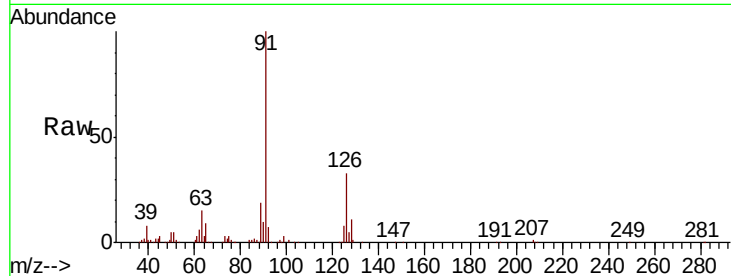
VN1107WBS01

Tot Ion: 91 Resp: 297308

Ion Ratio Lower Upper

91 100

126 33.1 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): VN058673.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058673.D (-3379) (-)

300000

250000

200000

150000

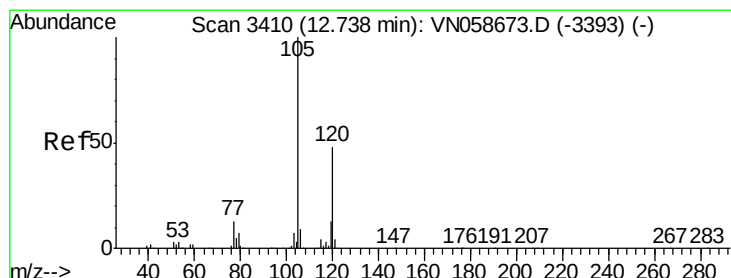
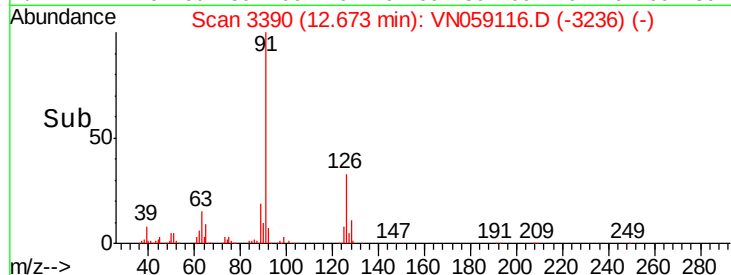
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.800 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059116.D

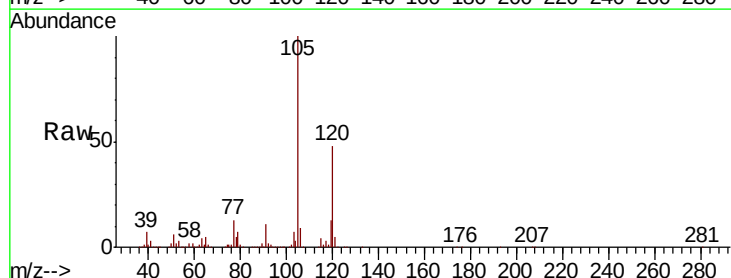
Acq: 7 Nov 2019 12:58

Tgt Ion: 105 Resp: 354803

Ion Ratio Lower Upper

105 100

120 48.1 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN058673.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058673.D (-3393) (-)

250000

200000

150000

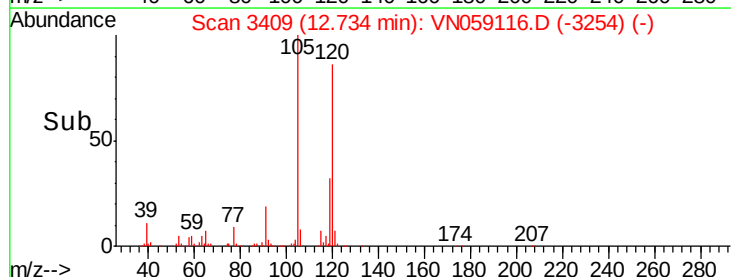
100000

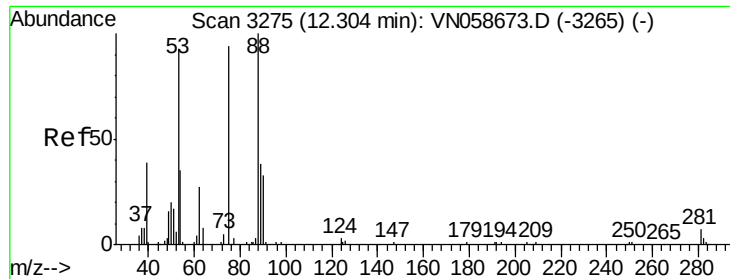
50000

0

12.65 12.70 12.75 12.80

Time-->

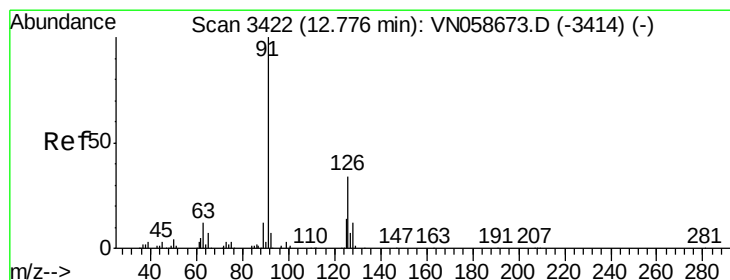
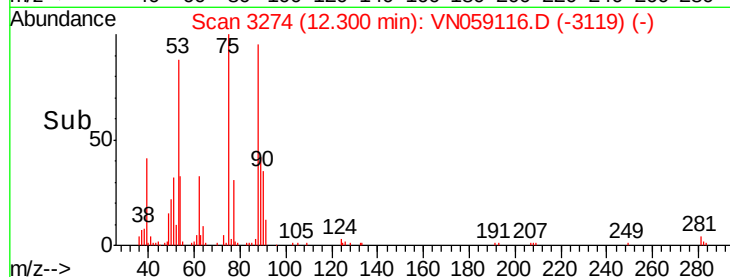
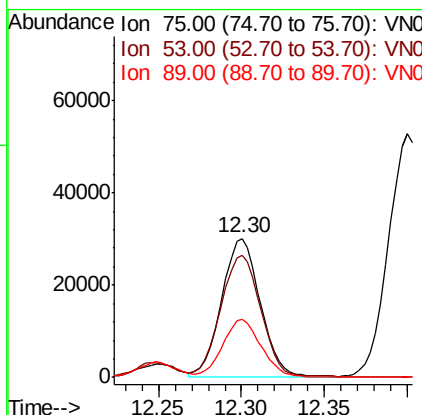
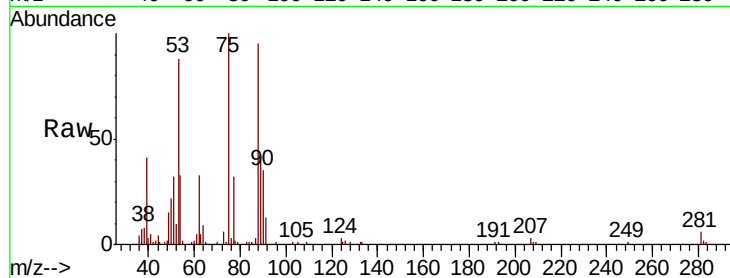




#77
t-1,4-Dichloro-2-butene
Concen: 20.182 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

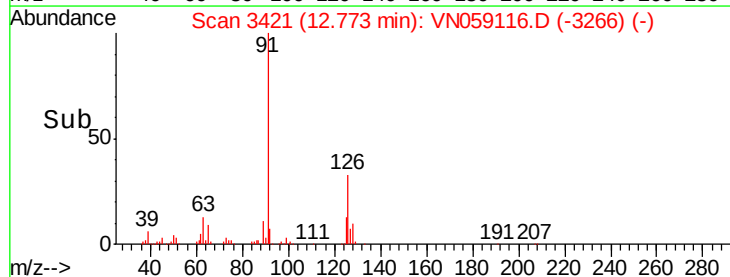
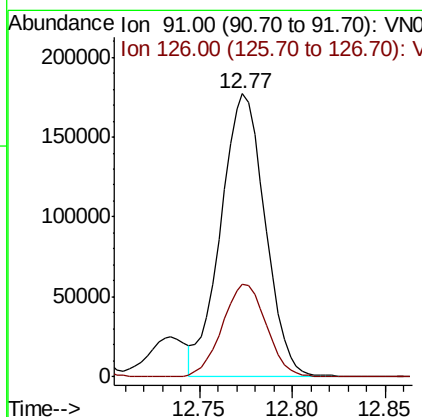
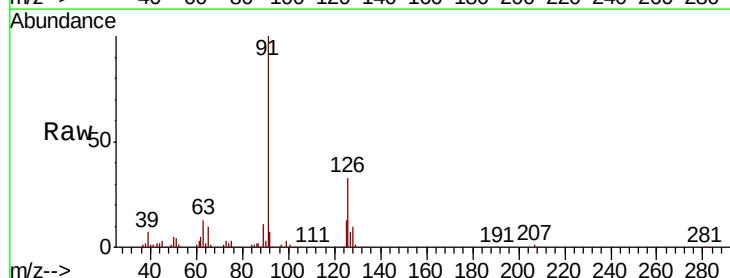
Instrument :
MSVOA_N
ClientSampled :
VN1107WBS01

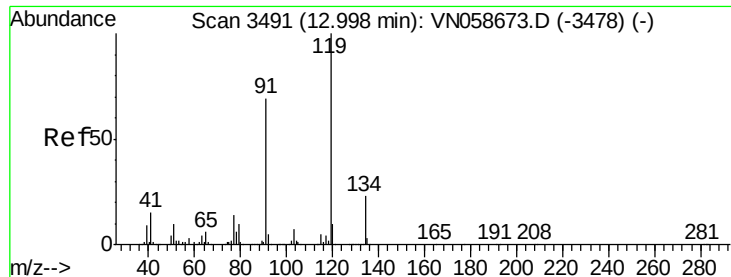
Tot Ion: 75 Resp: 49068
Ion Ratio Lower Upper
75 100
53 87.8 50.0 150.0
89 42.5 20.7 62.1



#78
4-Chlorotoluene
Concen: 19.174 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion: 91 Resp: 291181
Ion Ratio Lower Upper
91 100
126 33.0 0.0 63.4

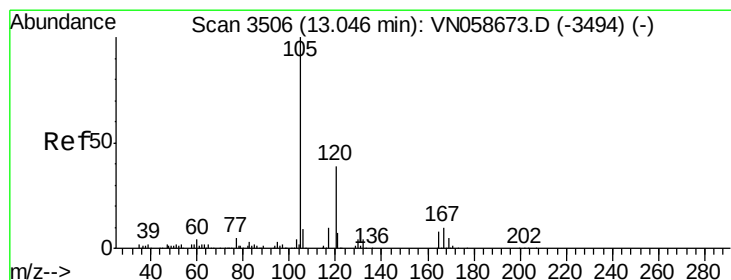
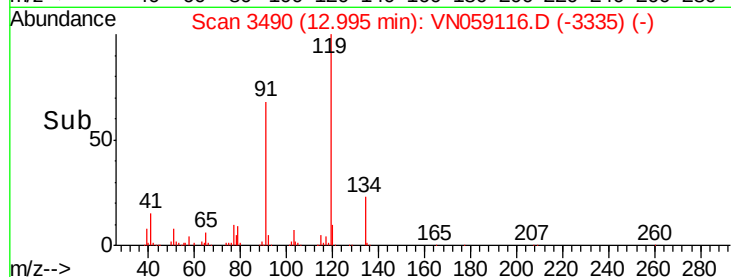
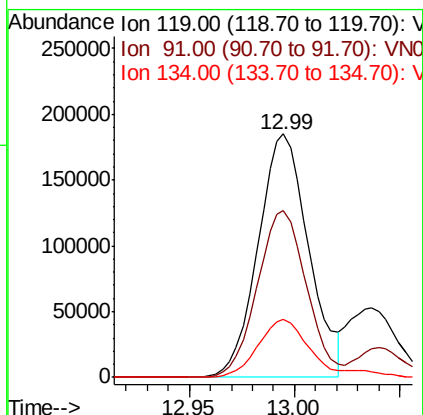
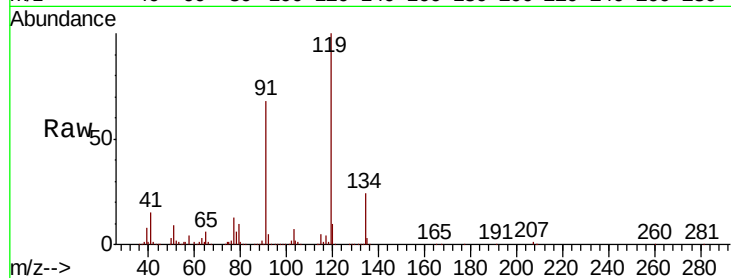




#79
tert-butylbenzene
Concen: 20.198 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

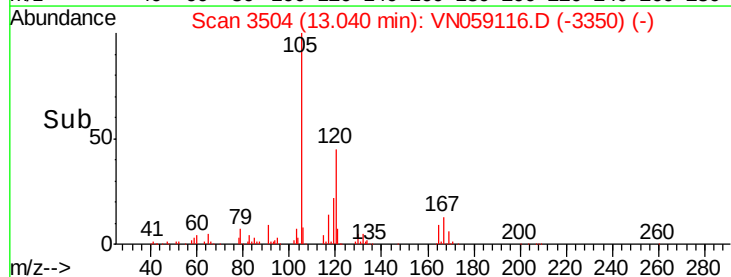
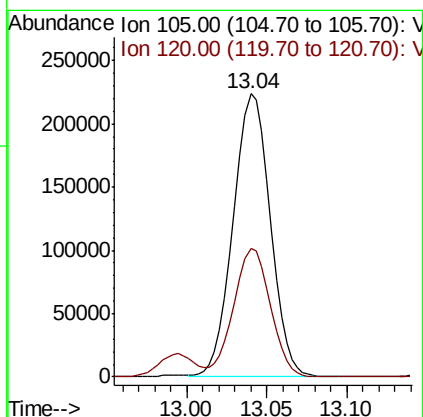
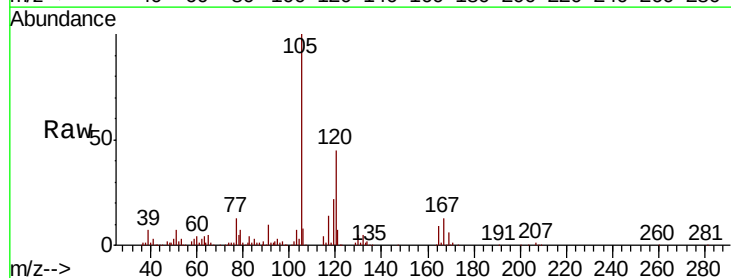
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

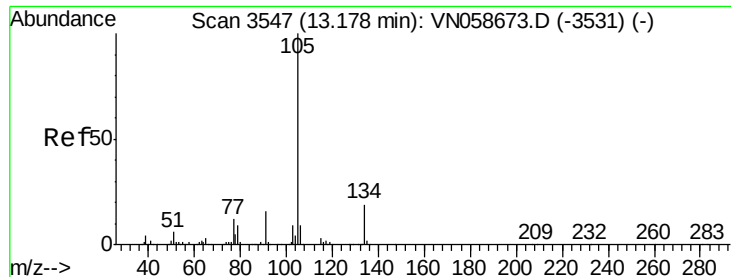
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	0.0	136.4
134	23.5	0.0	47.2



#80
1,2,4-Trimethylbenzene
Concen: 19.878 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	0.0	89.2

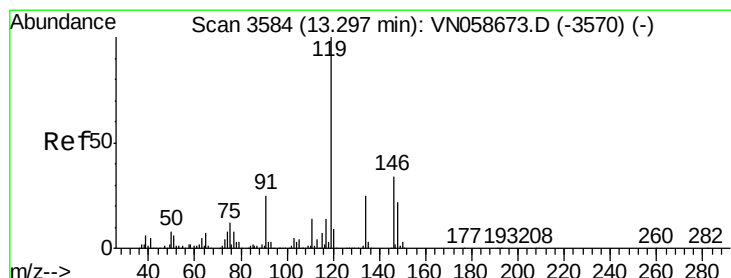
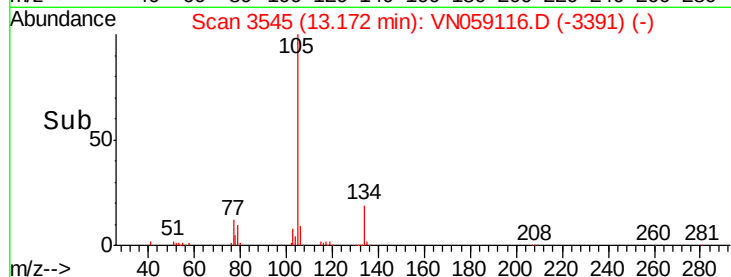
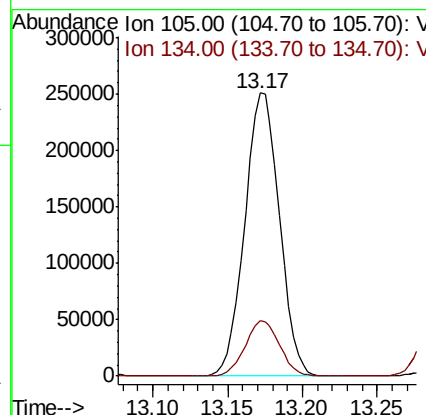
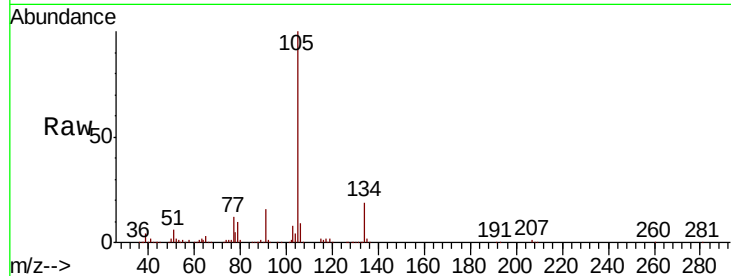




#81
 sec-Butylbenzene
 Concen: 19.598 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

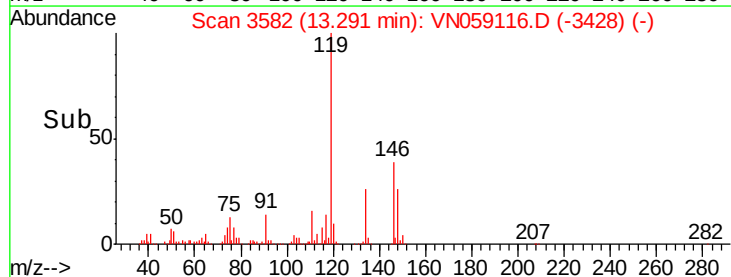
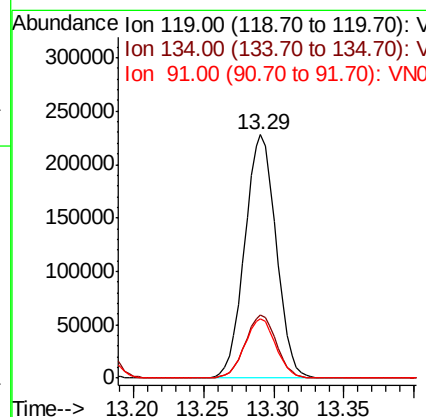
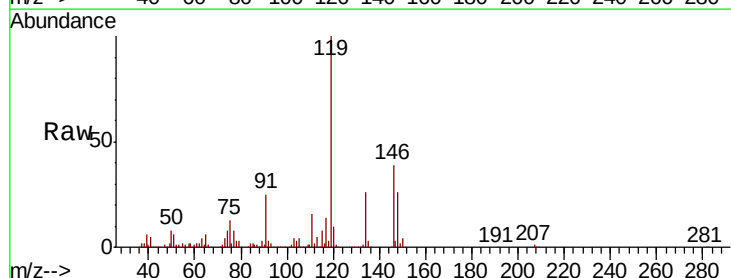
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1107WBS01

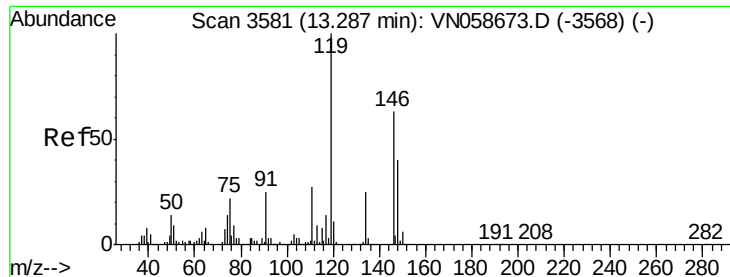
Tot Ion:105 Resp: 403787
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 38.0



#82
 p-Isopropyltoluene
 Concen: 19.262 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion:119 Resp: 356365
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 50.8
 91 24.2 0.0 49.4





#83

1,3-Dichlorobenzene

Concen: 18.910 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

VN1107WBS01

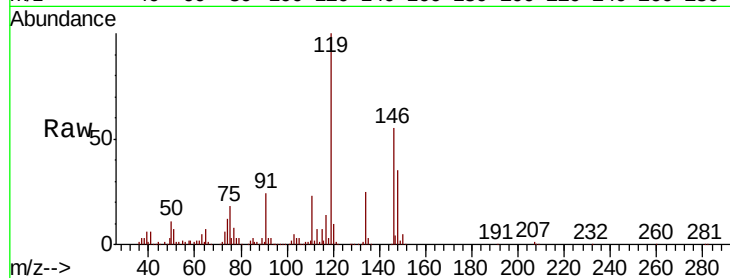
Tot Ion:146 Resp: 173888

Ion Ratio Lower Upper

146 100

111 41.3 21.0 63.0

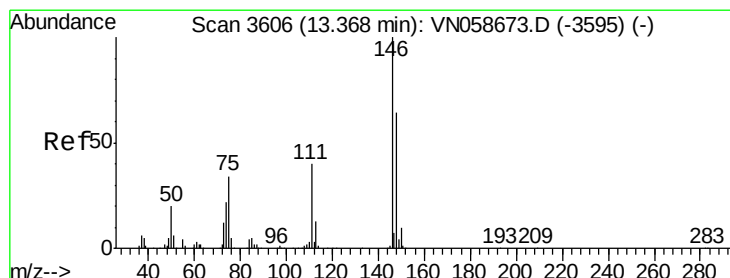
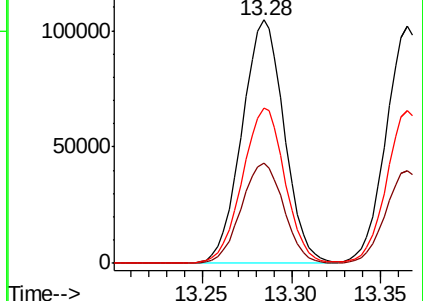
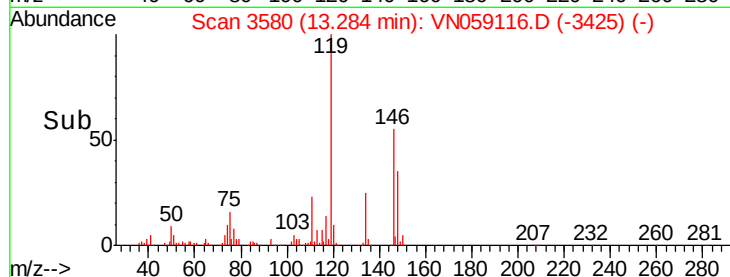
148 64.1 31.7 95.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 18.400 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

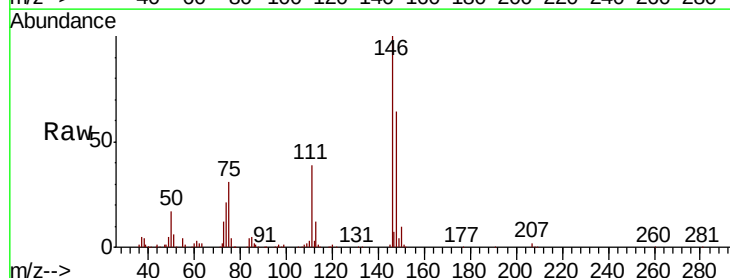
Tgt Ion:146 Resp: 169006

Ion Ratio Lower Upper

146 100

111 39.1 19.8 59.4

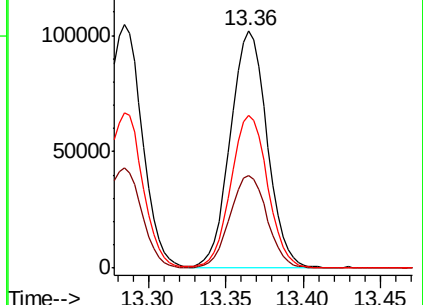
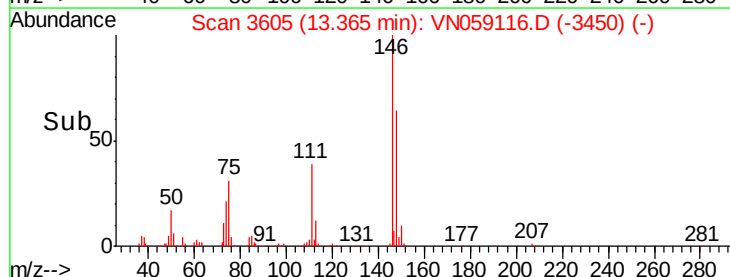
148 63.6 31.6 94.8

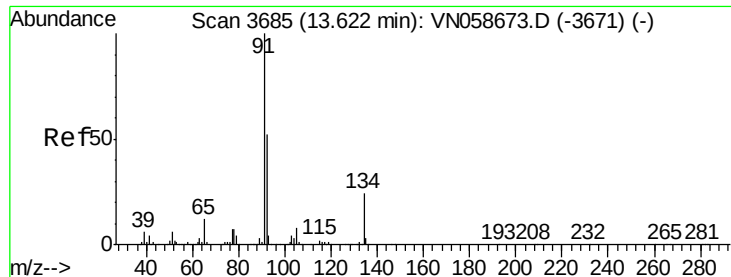


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

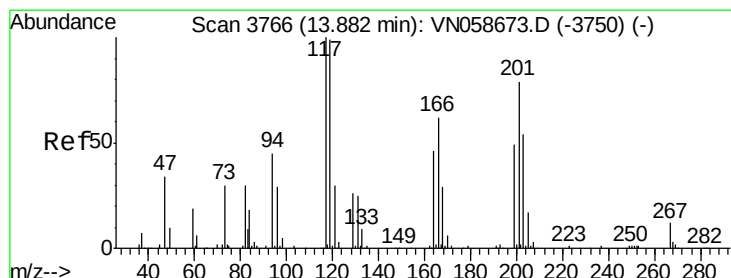
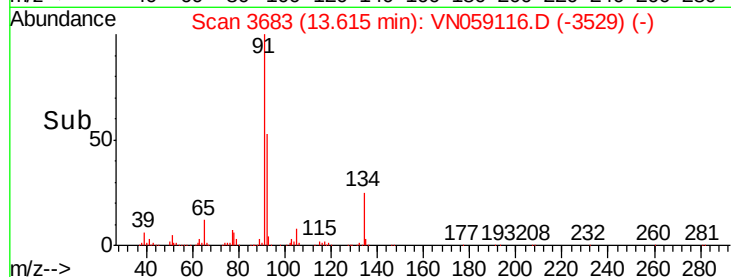
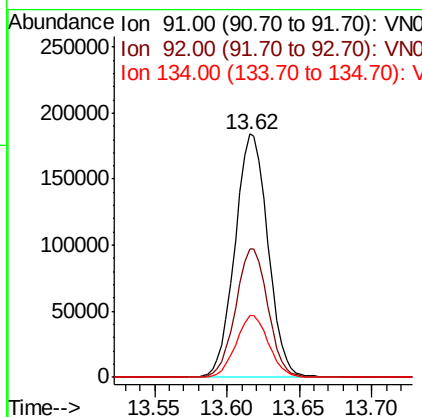
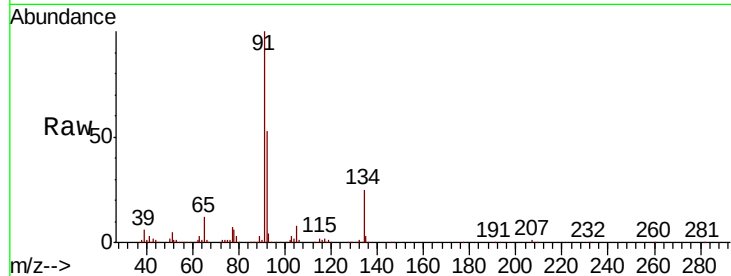




#85
n-Butylbenzene
Concen: 17.168 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

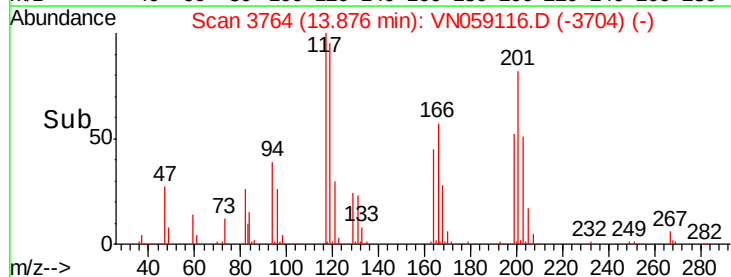
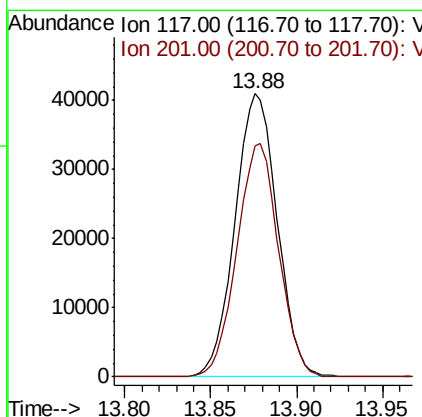
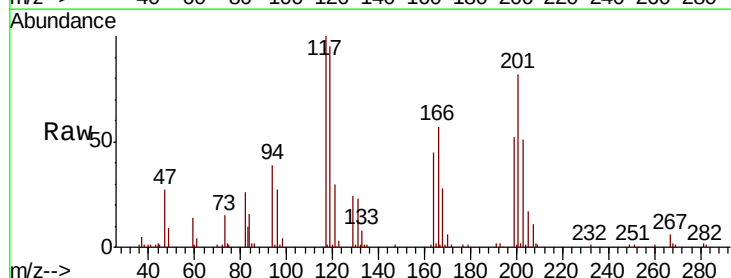
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

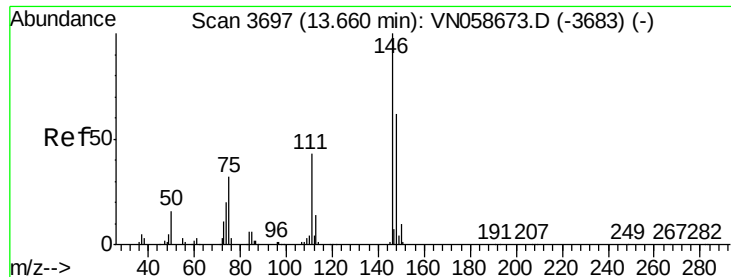
Tot Ion	91	Resp	290793
Ion	Ratio	Lower	Upper
91	100		
92	51.8	0.0	102.8
134	25.1	0.0	48.6



#86
Hexachloroethane
Concen: 20.808 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	117	Resp	70060
Ion	Ratio	Lower	Upper
117	100		
201	81.3	38.7	116.1





#87

1,2-Dichlorobenzene

Concen: 19.258 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

VN1107WBS01

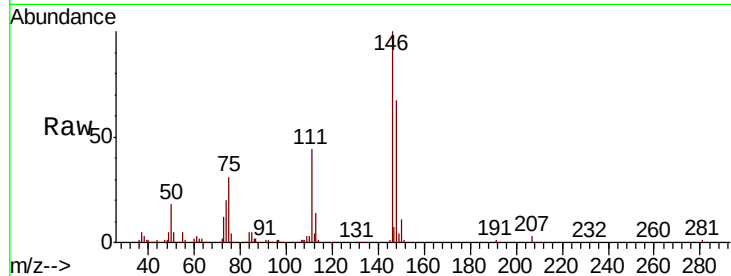
Tot Ion:146 Resp: 174824

Ion Ratio Lower Upper

146 100

111 42.6 21.8 65.4

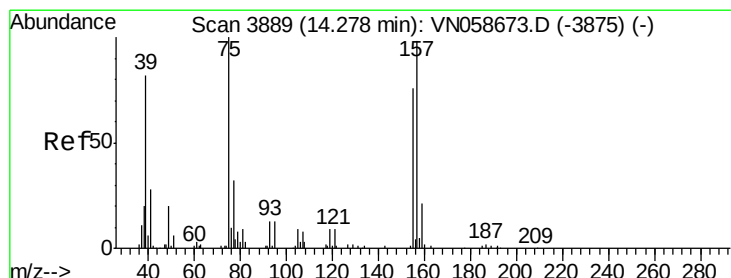
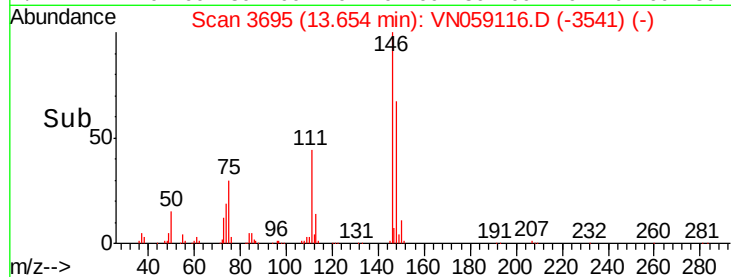
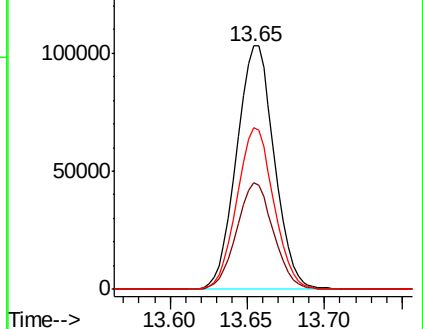
148 65.0 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.359 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

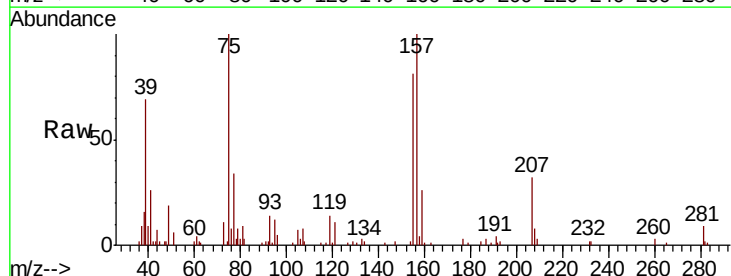
Tgt Ion: 75 Resp: 28781

Ion Ratio Lower Upper

75 100

155 79.7 58.3 87.5

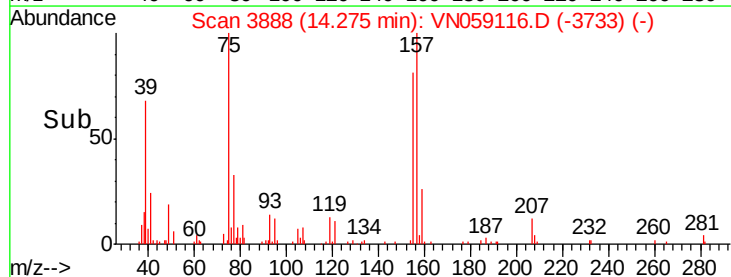
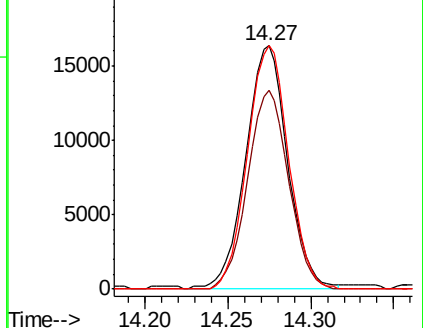
157 97.6 75.0 112.6

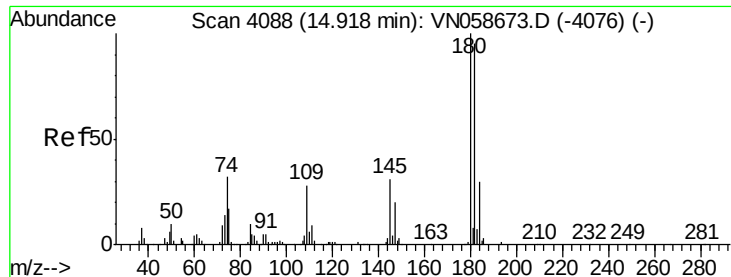


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

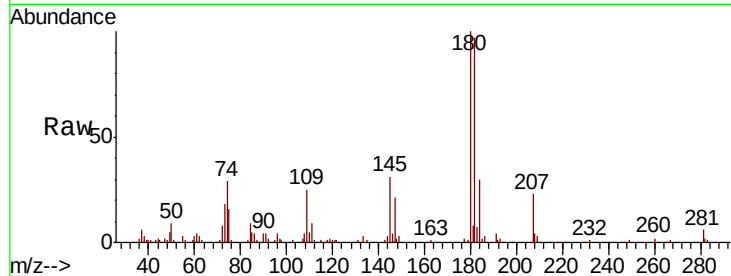




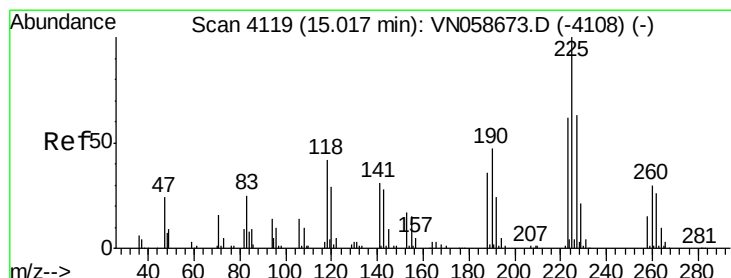
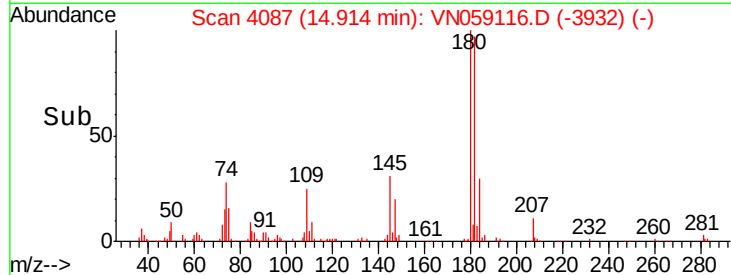
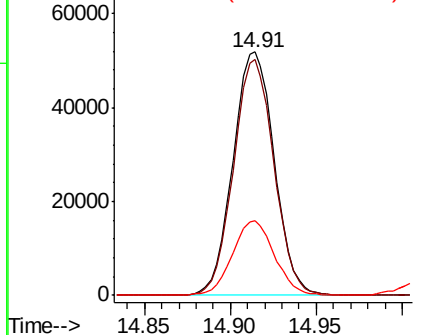
#89
 1,2,4-Trichlorobenzene
 Concen: 15.088 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion:180 Resp: 86486
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.3 112.9
 145 31.1 24.8 37.2

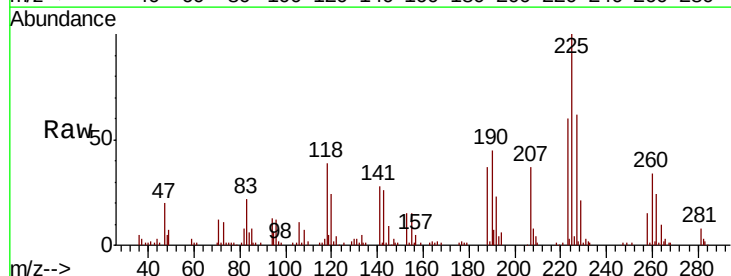


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

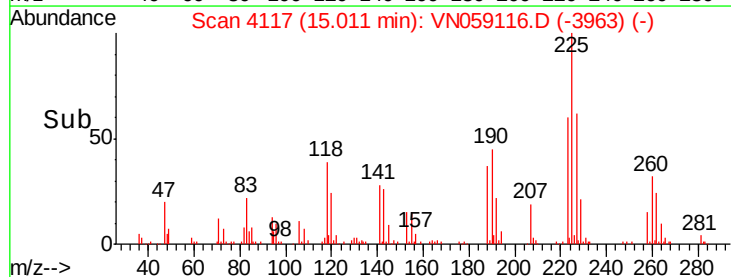
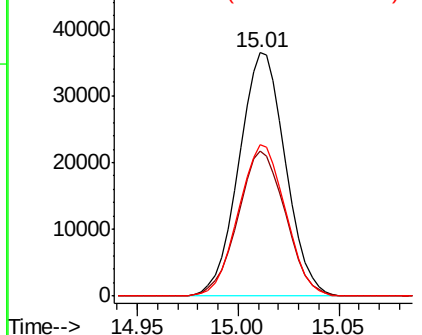


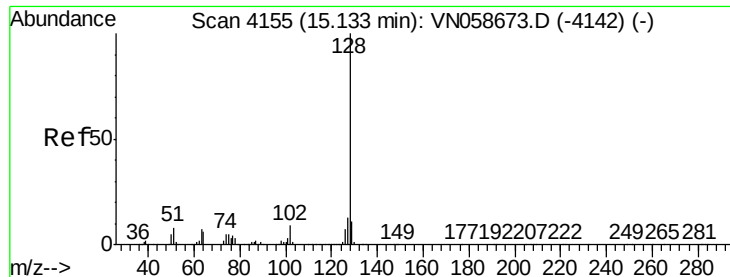
#90
 Hexachlorobutadiene
 Concen: 19.907 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion:225 Resp: 58924
 Ion Ratio Lower Upper
 225 100
 223 60.9 0.0 126.2
 227 62.7 0.0 127.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

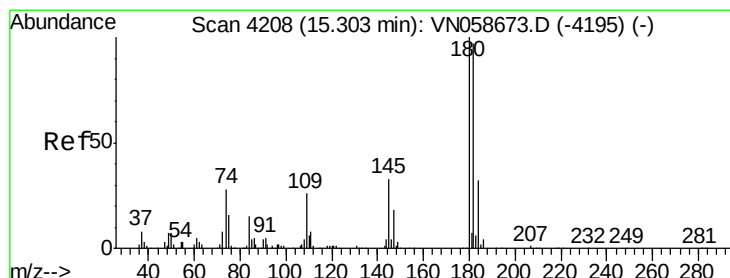
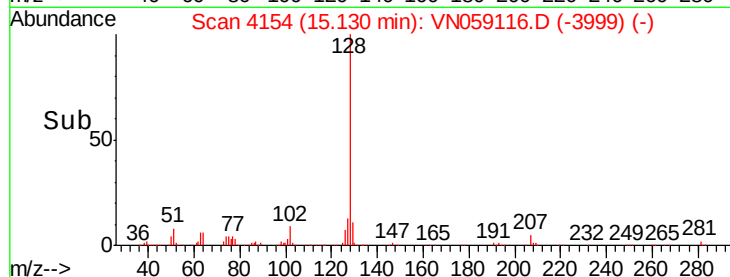
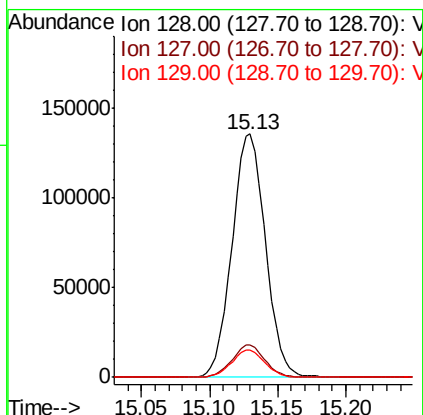
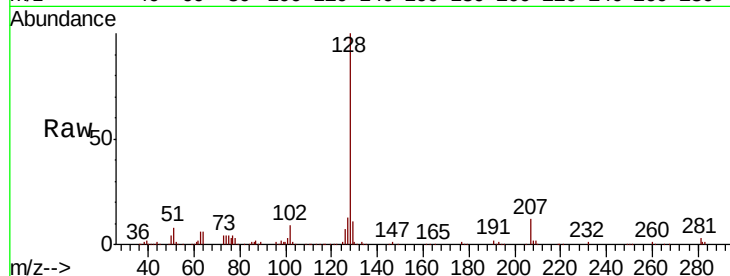




#91
Naphthalene
Concen: 13.676 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion:128 Resp: 231446
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.0 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 16.258 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion:180 Resp: 90715
Ion Ratio Lower Upper
180 100
182 94.6 0.0 193.4
145 31.9 0.0 65.8

