

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112918\
 Data File : VN052591.D
 Acq On : 30 Nov 2018 3:43
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 30 04:32:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	162753	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	946136	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	823680	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	330246	29.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.27%
60) 4-Bromofluorobenzene	12.40	95	373958	29.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.97%
63) Toluene-d8	10.09	98	1140324	29.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	168255	18.152	ug/l 100
3) Chloromethane	2.06	50	226341	18.412	ug/l 99
4) Vinyl Chloride	2.19	62	239141	19.274	ug/l 98
5) Bromomethane	2.58	94	139329	19.695	ug/l 96
6) Chloroethane	2.71	64	141512	19.179	ug/l 99
7) Trichlorofluoromethane	3.02	101	293689	19.180	ug/l 98
8) Diethyl Ether	3.41	74	112875	19.963	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	178096	18.347	ug/l 96
10) 1,1-Dichloroethene	3.74	96	179333	19.649	ug/l 99
11) Methyl Iodide	3.96	142	253358	19.994	ug/l 99
12) Methyl Acetate	4.33	43	150711	19.435	ug/l 100
13) Acrolein	3.61	56	85045	93.362	ug/l 98
14) Acrylonitrile	4.99	53	323862	98.016	ug/l 98
15) Acetone	3.82	58	69598	81.334	ug/l 98
16) Carbon Disulfide	4.06	76	518483	17.943	ug/l 98
17) Allyl chloride	4.33	41	293495	18.439	ug/l 98
18) Methylene Chloride	4.55	84	204937	19.393	ug/l 98
19) trans-1,2-Dichloroethene	5.05	96	187258	19.065	ug/l 97
20) Diisopropyl ether	5.95	45	635577	19.001	ug/l 99
21) 1,1-Dichloroethane	5.85	63	367300	19.266	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	217831	19.351	ug/l 98
23) tert-Butyl Alcohol	4.86	59	996	2.026	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	489058	20.426	ug/l 99
25) Chloroform	7.37	83	361702	19.666	ug/l 99
26) Cyclohexane	7.65	56	328306	18.259	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	270619	18.730	ug/l 99
30) 2-Butanone	6.83	43	358506	92.729	ug/l 99
31) 2,2-Dichloropropane	6.83	77	204620	15.383	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	294025	19.557	ug/l 98
33) Carbon Tetrachloride	7.78	117	251619	19.128	ug/l 99
34) Benzene	8.04	78	840898	19.358	ug/l 99
35) Methacrylonitrile	7.18	41	88961	18.546	ug/l 98
36) 1,2-Dichloroethane	8.12	62	254645	19.345	ug/l 99
37) Trichloroethene	8.83	130	216643	19.667	ug/l 96
38) Methylcyclohexane	9.08	83	316035	17.670	ug/l 98
39) 1,2-Dichloropropane	9.12	63	223269	19.174	ug/l 96
40) Dibromomethane	9.21	93	127547	20.270	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	266879	19.196	ug/l	98
42) Vinyl Acetate	5.90	43	1981494	94.725	ug/l	99
43) Ethyl Acetate	6.93	43	163419	19.878	ug/l #	85
44) Isopropyl Acetate	8.17	43	293900	20.384	ug/l	98
45) 1,4-Dioxane	9.20	88	36187	458.783	ug/l	91
46) Methyl methacrylate	9.20	41	149319	19.946	ug/l	97
47) n-amyl Acetate	12.07	43	224810	18.806	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	248729	18.452	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	300160	18.276	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	179074	20.076	ug/l	99
51) Ethyl methacrylate	10.43	69	219858	19.626	ug/l	99
52) 1,3-Dichloropropane	10.71	76	311278	19.606	ug/l	98
53) Dibromochloromethane	10.90	129	188802	19.226	ug/l	96
54) 1,2-Dibromoethane	11.01	107	175126	20.092	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	643671	98.158	ug/l	99
56) Bromoform	12.13	173	124314	19.367	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	822637	103.018	ug/l	99
59) 2-Hexanone	10.75	43	526319	96.485	ug/l	98
61) Tetrachloroethene	10.63	164	214753	21.169	ug/l	96
62) Toluene	10.16	91	883348	19.454	ug/l	99
64) Chlorobenzene	11.43	112	539607	19.470	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	189622	19.711	ug/l	98
66) Ethyl Benzene	11.51	91	946882	19.348	ug/l	99
67) m/p-Xylenes	11.62	106	713665	39.143	ug/l	99
68) o-Xylene	11.95	106	347917	19.661	ug/l	100
69) Styrene	11.96	104	552152	19.331	ug/l	100
70) Isopropylbenzene	12.25	105	915187	19.437	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	206584	20.170	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	249042	28.325	ug/l	1
73) Bromobenzene	12.53	156	227957	20.018	ug/l	95
74) n-propylbenzene	12.59	91	1031741	18.807	ug/l	99
75) 2-Chlorotoluene	12.68	91	621579	19.520	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	743614	19.553	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	46228	16.644	ug/l	97
78) 4-Chlorotoluene	12.77	91	609565	19.169	ug/l	99
79) tert-butylbenzene	12.99	119	657431	19.850	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	751979	19.761	ug/l	100
81) sec-Butylbenzene	13.17	105	879955	19.075	ug/l	99
82) p-Isopropyltoluene	13.29	119	738345	18.796	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	385864	19.266	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	372805	19.266	ug/l	98
85) n-Butylbenzene	13.62	91	593419	17.587	ug/l	99
86) Hexachloroethane	13.88	117	123048	18.488	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	381576	20.021	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29972	20.891	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	180233	19.194	ug/l	99
90) Hexachlorobutadiene	15.01	225	122310	19.856	ug/l	99
91) Naphthalene	15.13	128	381807	20.135	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	175485	20.279	ug/l	96

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QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

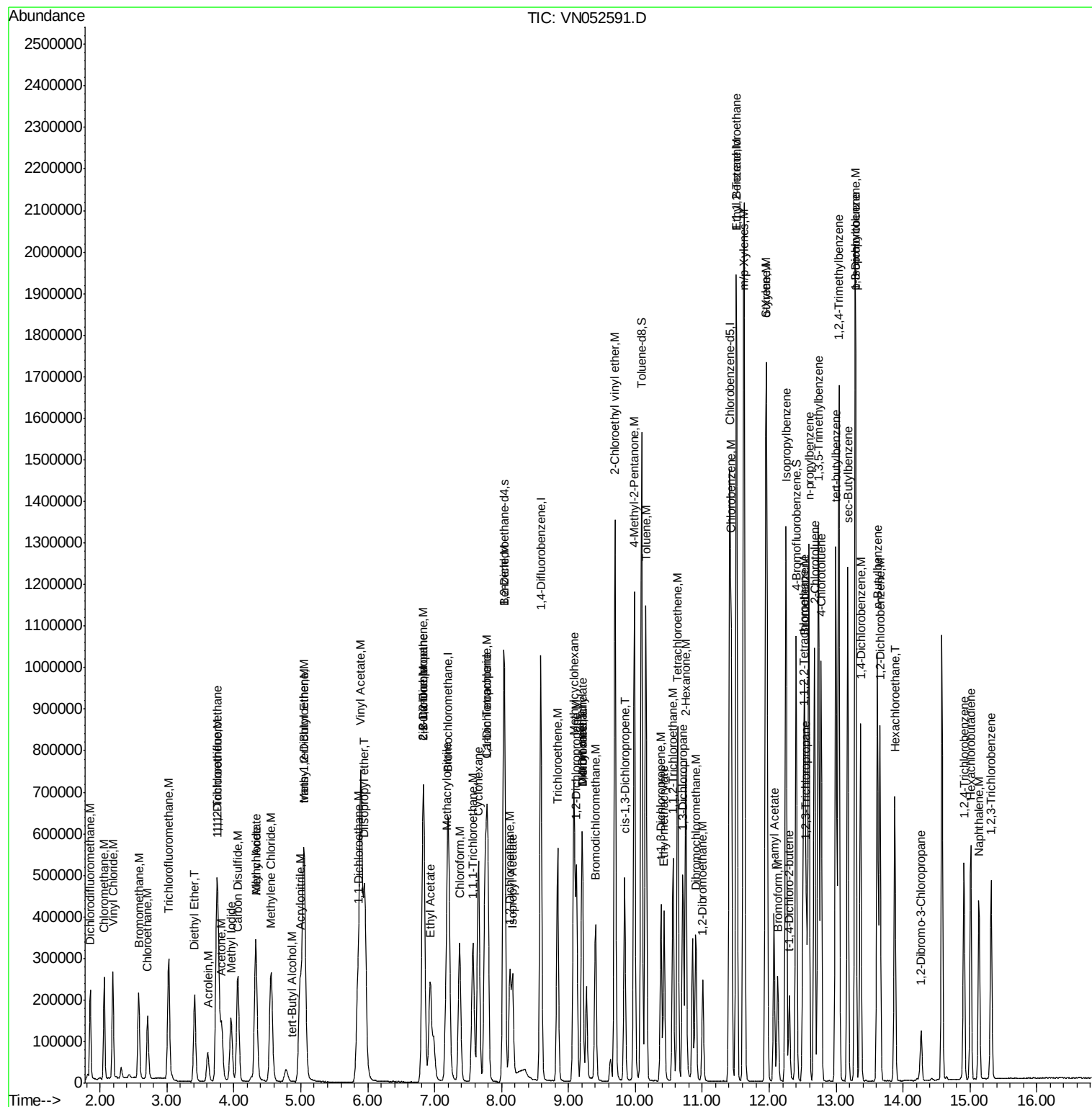
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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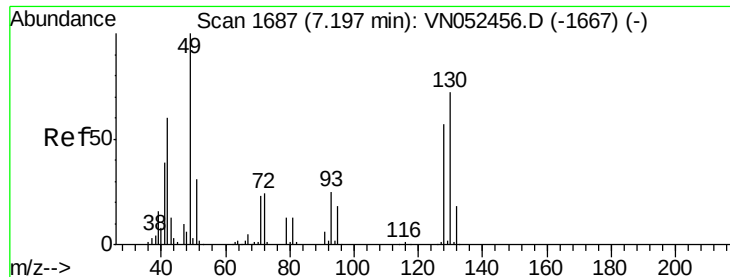
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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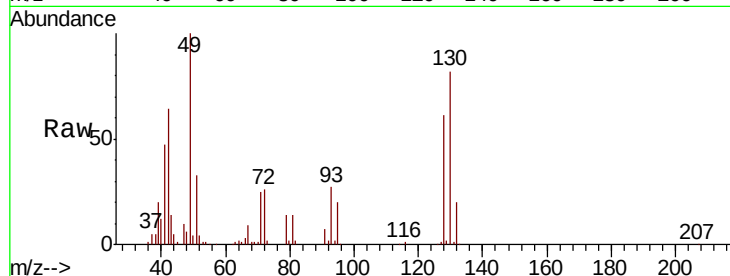




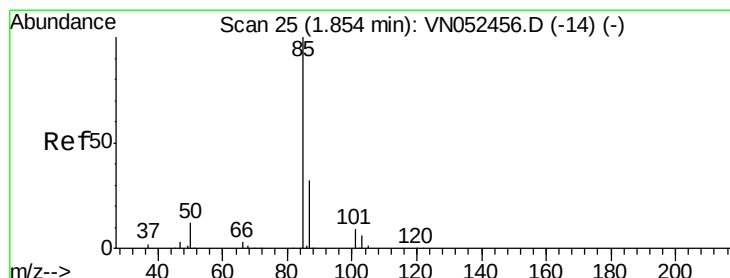
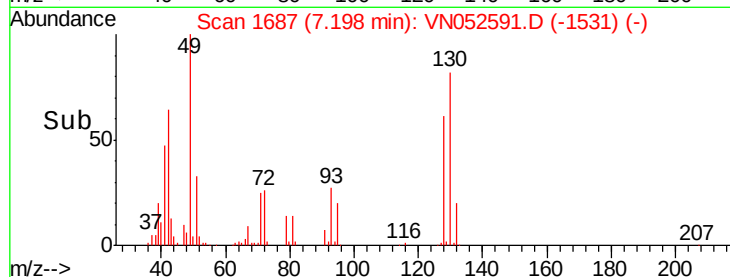
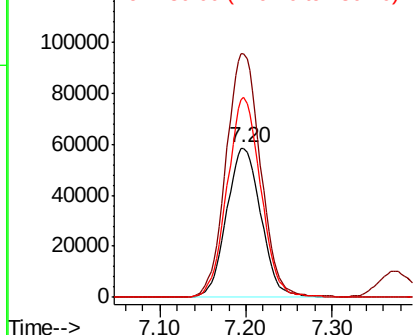
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:128 Resp: 162753
 Ion Ratio Lower Upper
 128 100
 49 163.9 0.0 431.8
 130 131.0 0.0 317.0

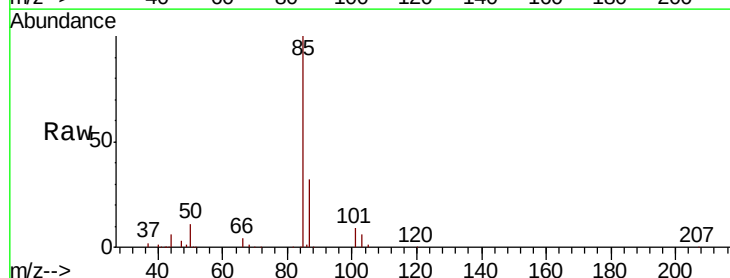


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

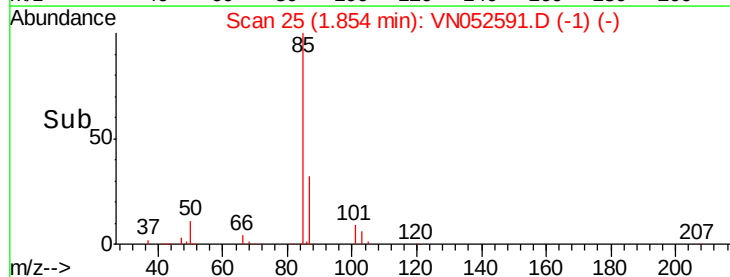
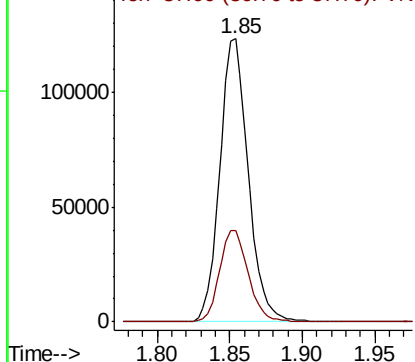


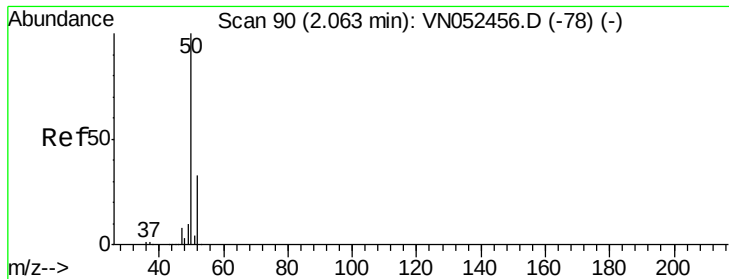
#2
 Dichlorodifluoromethane
 Concen: 18.152 ug/l
 RT: 1.85 min Scan# 25
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion: 85 Resp: 168255
 Ion Ratio Lower Upper
 85 100
 87 32.4 16.1 48.3



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





#3

Chloromethane

Concen: 18.412 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

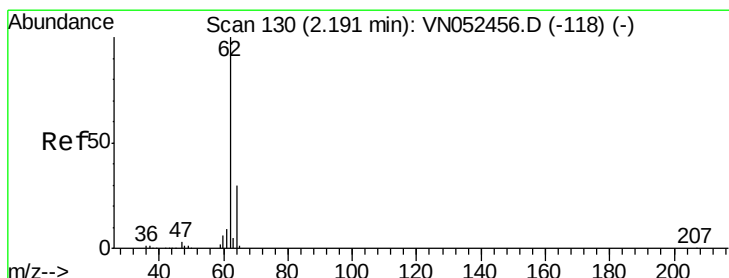
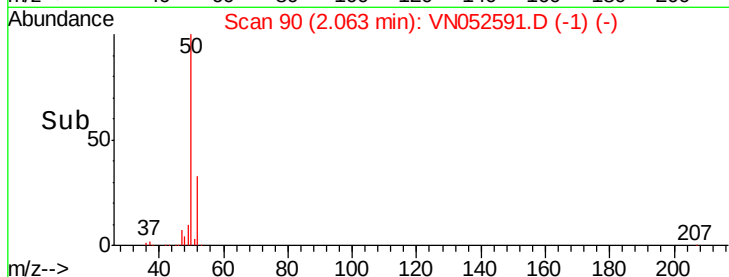
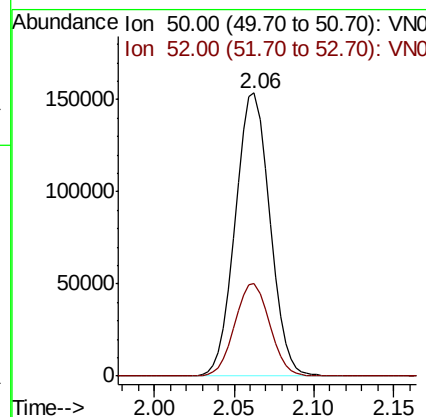
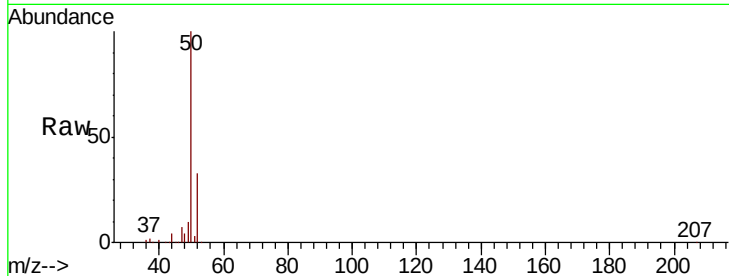
ClientSampleId :

Tot Ion: 50 Resp: 226341

Ion Ratio Lower Upper

50 100

52 32.6 26.5 39.7



#4

Vinyl Chloride

Concen: 19.274 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052591.D

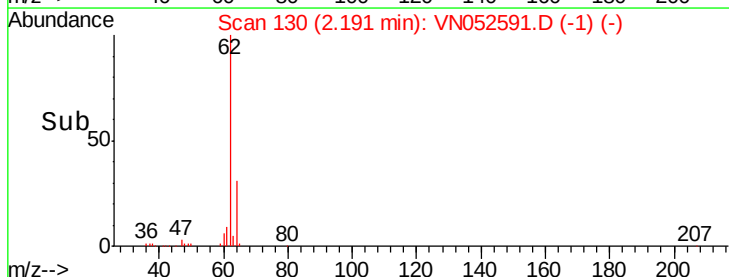
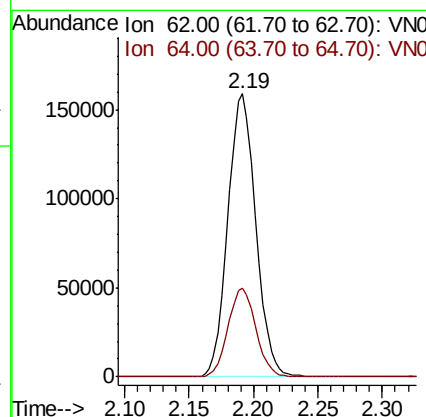
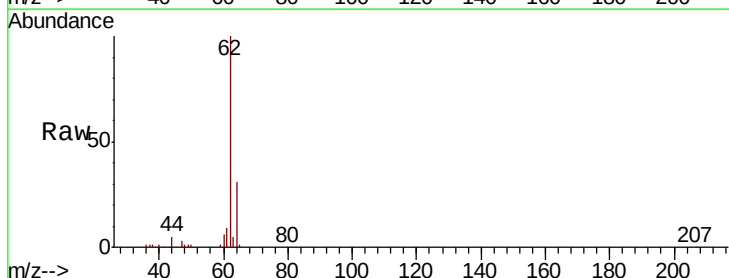
Acq: 30 Nov 2018 3:43

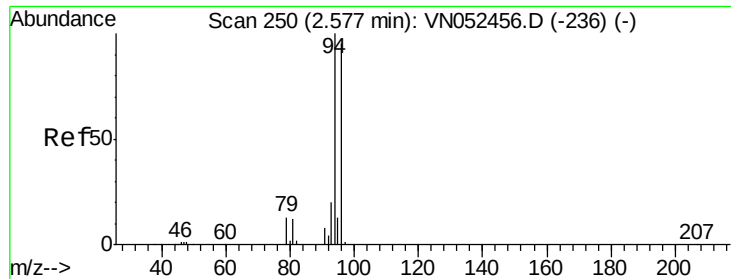
Tgt Ion: 62 Resp: 239141

Ion Ratio Lower Upper

62 100

64 31.2 24.2 36.4





#5

Bromomethane

Concen: 19.695 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

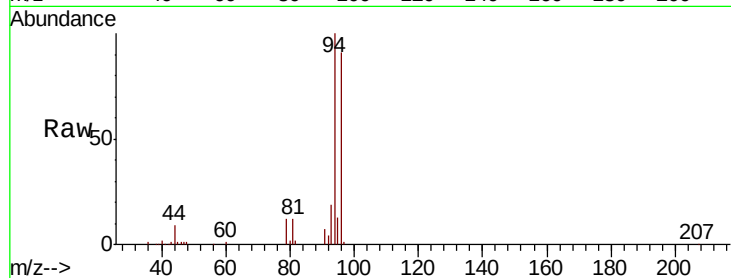
ClientSampleId :

Tot Ion: 94 Resp: 139329

Ion Ratio Lower Upper

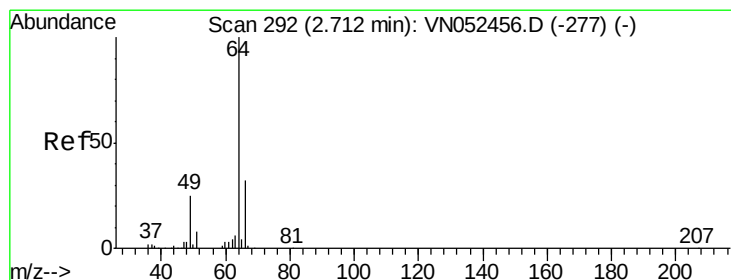
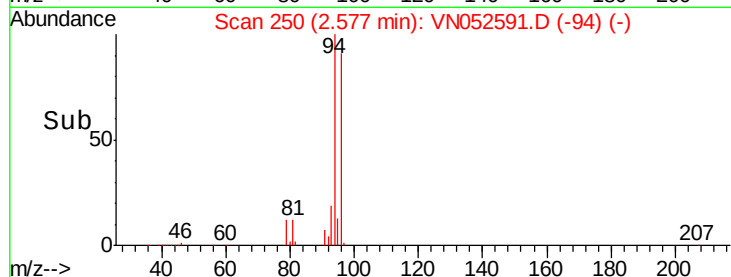
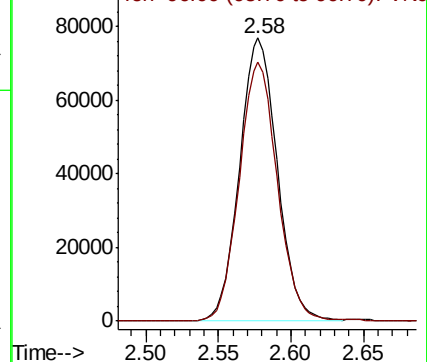
94 100

96 91.4 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.179 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052591.D

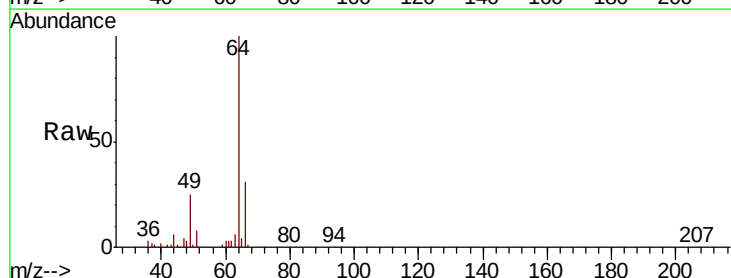
Acq: 30 Nov 2018 3:43

Tgt Ion: 64 Resp: 141512

Ion Ratio Lower Upper

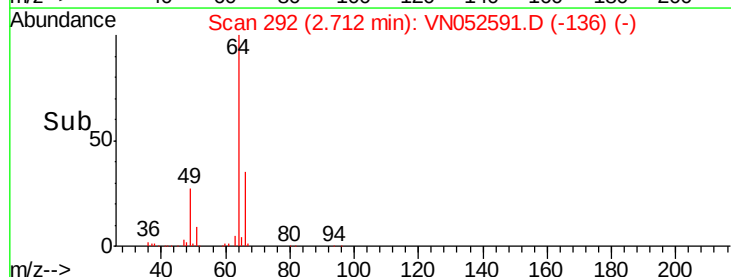
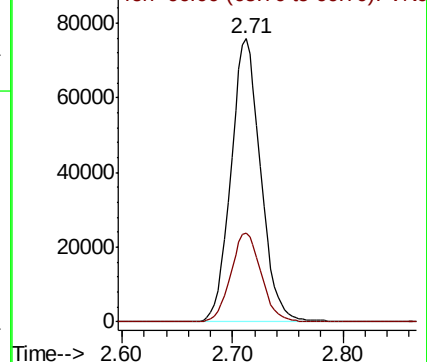
64 100

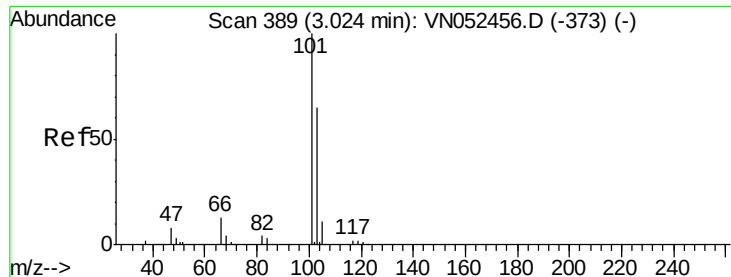
66 31.2 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



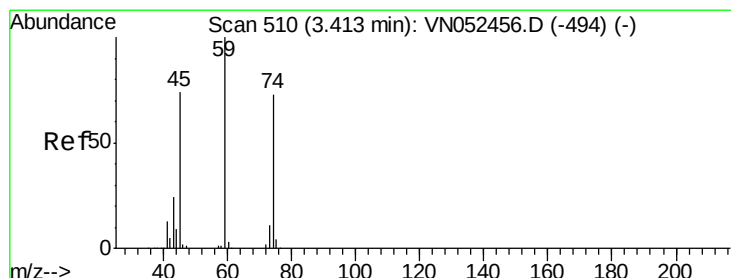
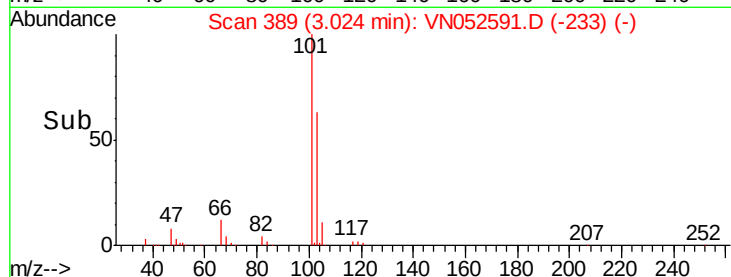
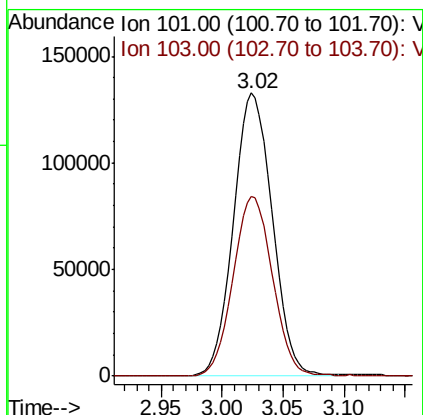
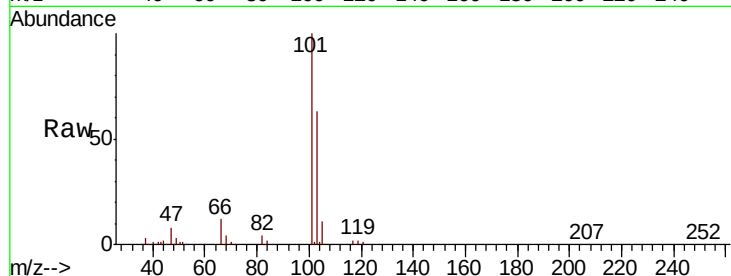


#7

Trichlorofluoromethane
Concen: 19.180 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampled :

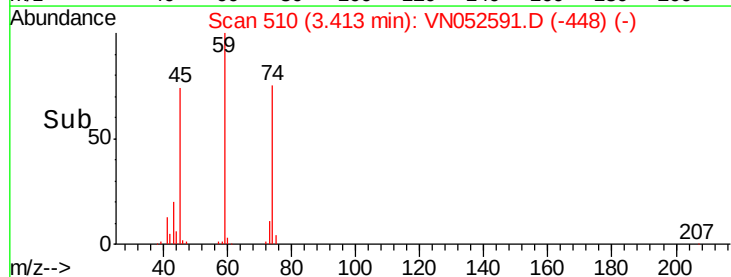
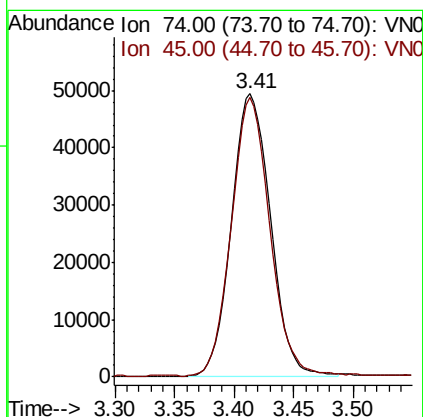
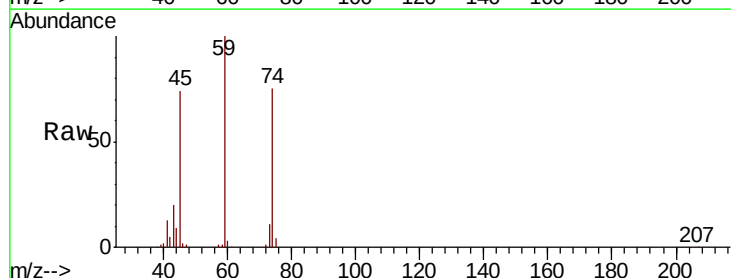
Tot Ion:101 Resp: 293689
Ion Ratio Lower Upper
101 100
103 63.4 52.1 78.1

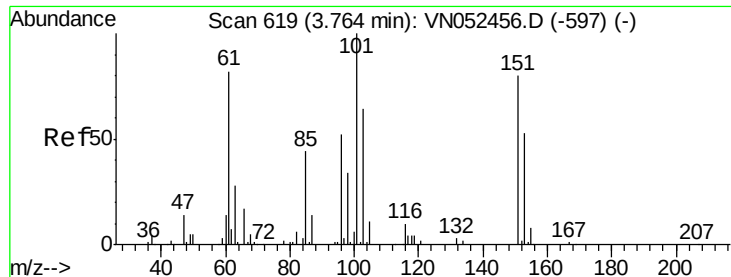


#8

Diethyl Ether
Concen: 19.963 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion: 74 Resp: 112875
Ion Ratio Lower Upper
74 100
45 95.9 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.347 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

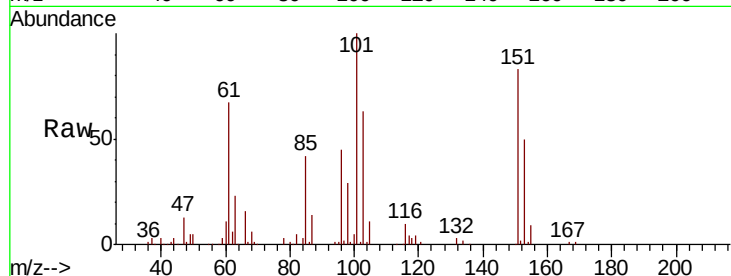
Tot Ion:101 Resp: 178096

Ion Ratio Lower Upper

101 100

85 42.6 0.0 82.6

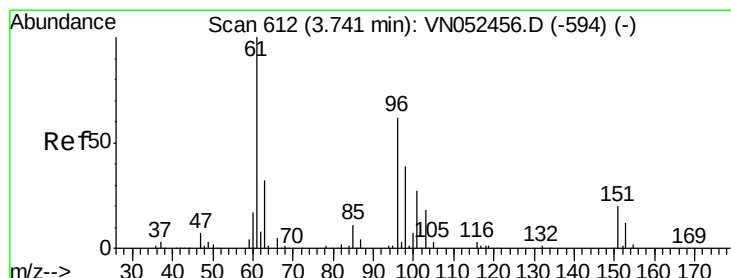
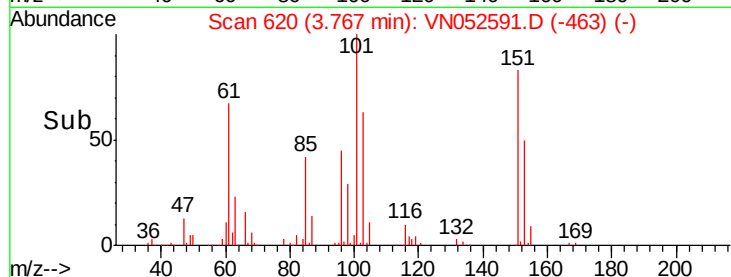
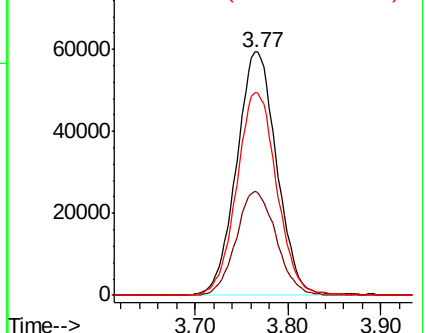
151 82.9 0.0 158.4



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: 19.649 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

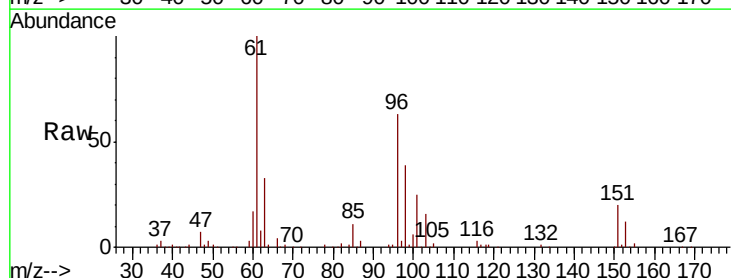
Tgt Ion: 96 Resp: 179333

Ion Ratio Lower Upper

96 100

61 159.5 129.4 194.2

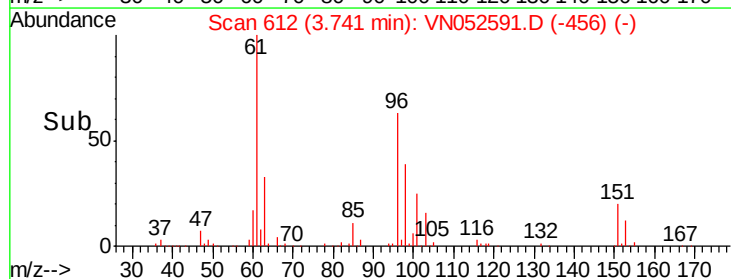
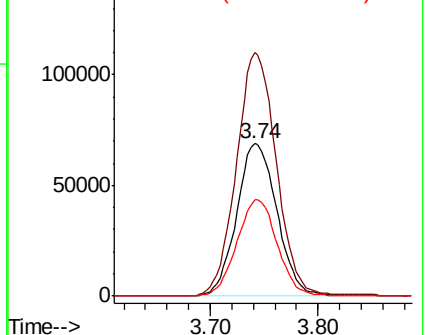
98 62.9 50.4 75.6

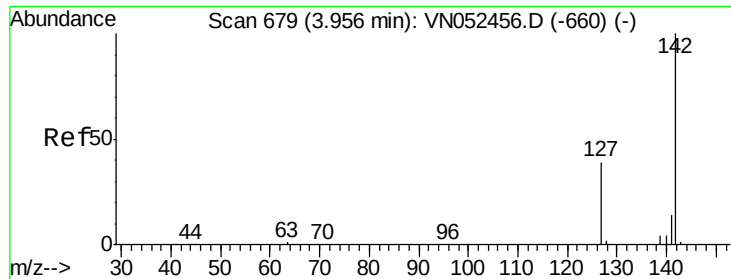


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

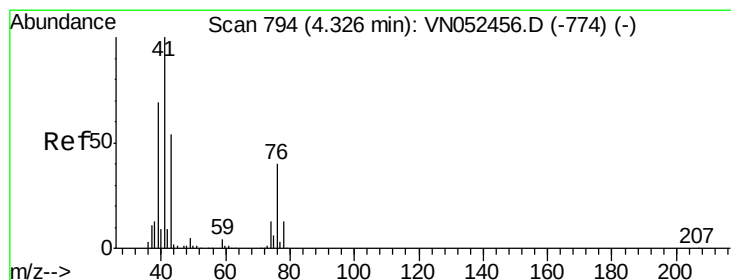
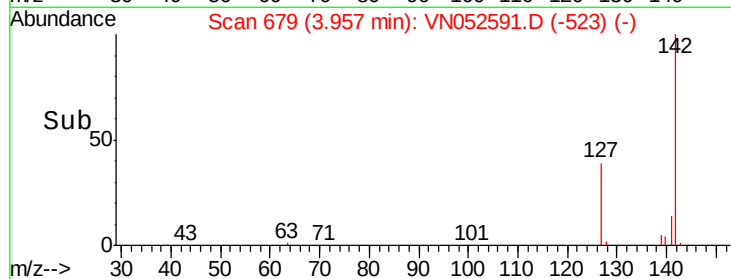
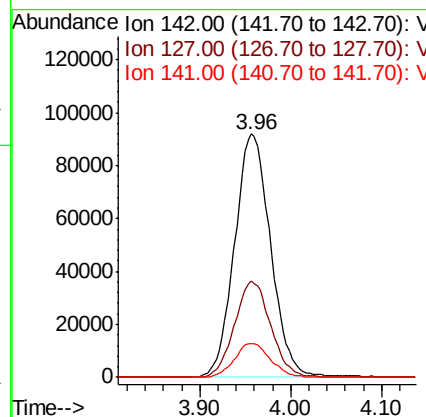
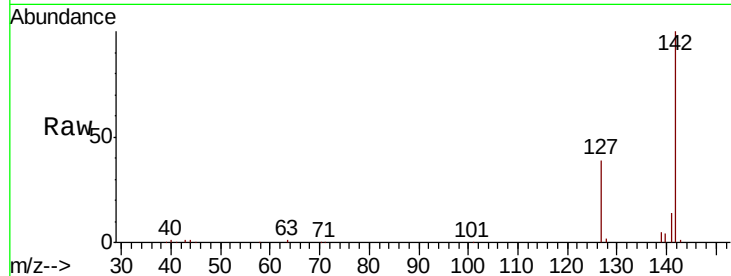




#11
Methvl Iodide
Concen: 19.994 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

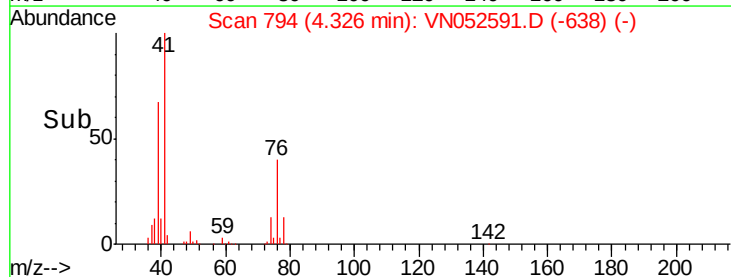
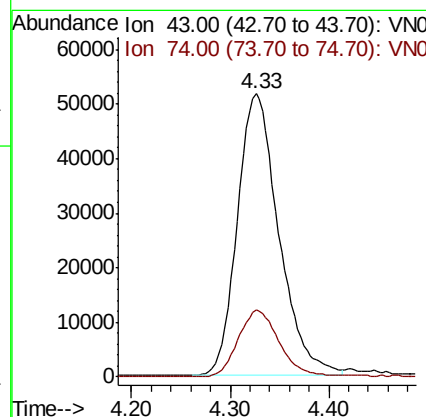
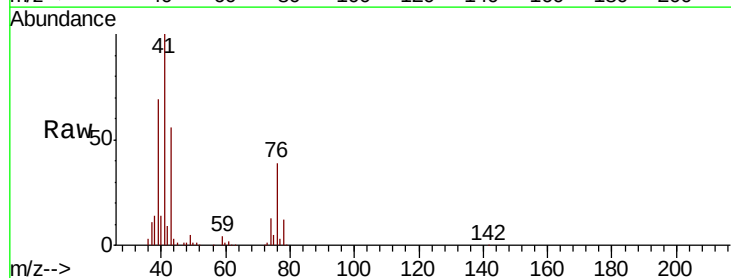
Instrument :
MSVOA_N
ClientSampled :

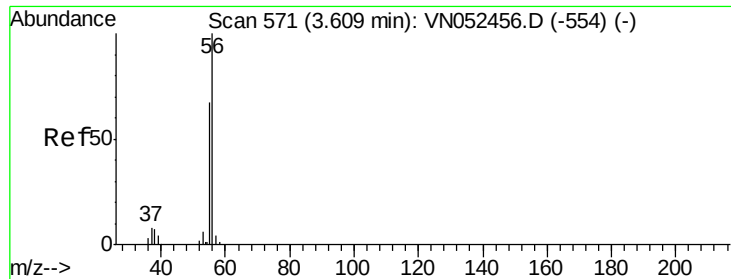
Tot Ion:142 Resp: 253358
Ion Ratio Lower Upper
142 100
127 39.3 19.4 58.1
141 14.0 7.2 21.6



#12
Methyl Acetate
Concen: 19.435 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion: 43 Resp: 150711
Ion Ratio Lower Upper
43 100
74 23.8 18.9 28.3





#13

Acrolein

Concen: 93.362 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

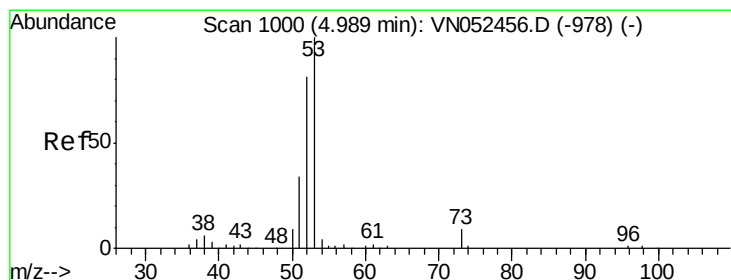
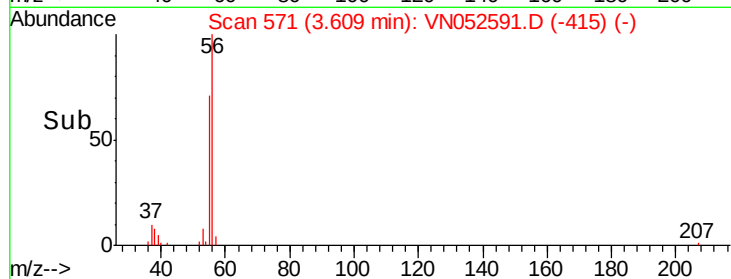
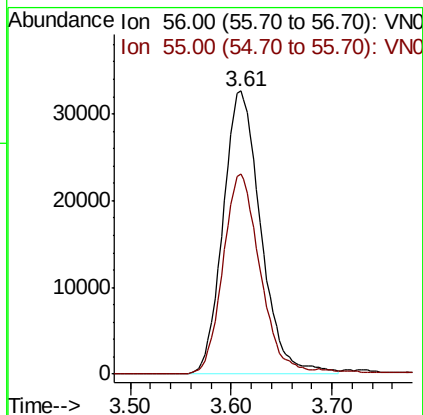
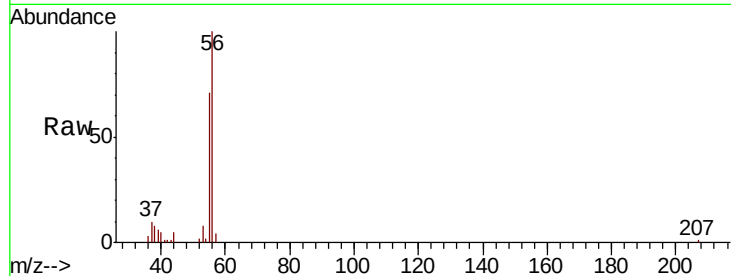
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 85045

Ion Ratio Lower Upper

56 100

55 69.3 56.7 85.1



#14

Acrylonitrile

Concen: 98.016 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

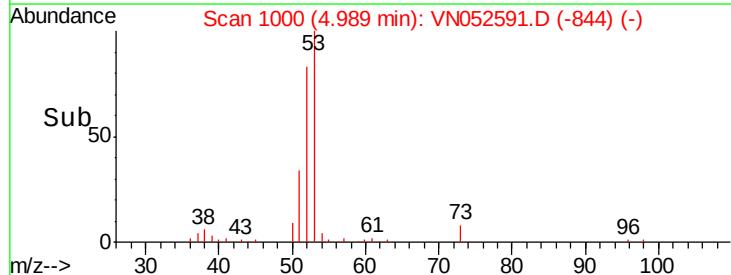
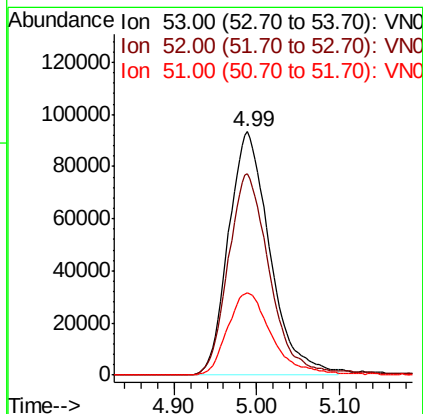
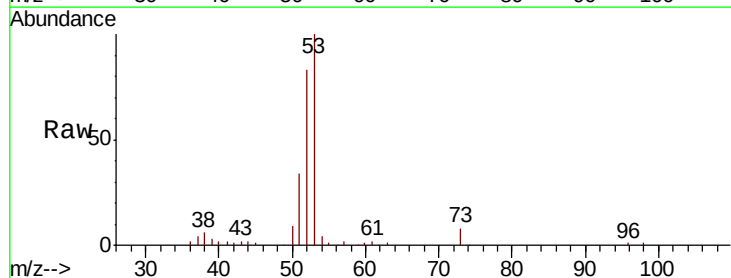
Tgt Ion: 53 Resp: 323862

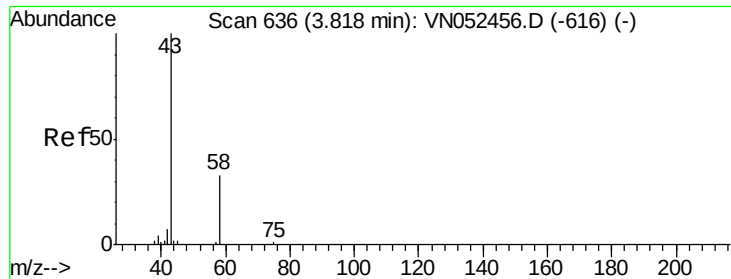
Ion Ratio Lower Upper

53 100

52 82.2 39.9 119.7

51 36.0 17.6 52.9





#15

Acetone

Concen: 81.334 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

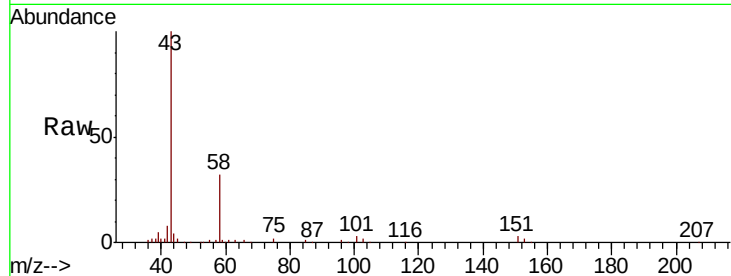
ClientSampled :

Tot Ion: 58 Resp: 69598

Ion Ratio Lower Upper

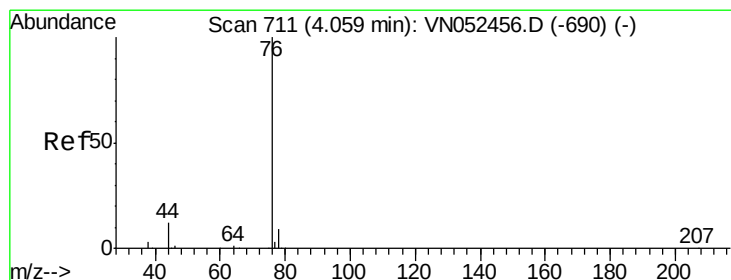
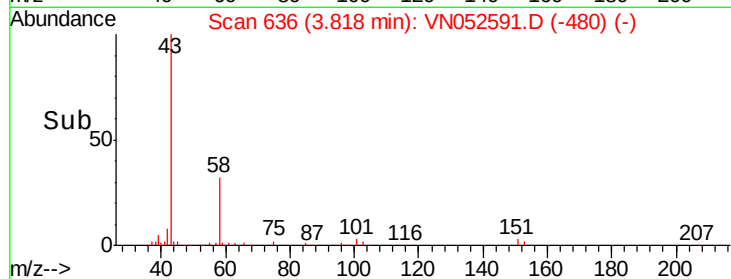
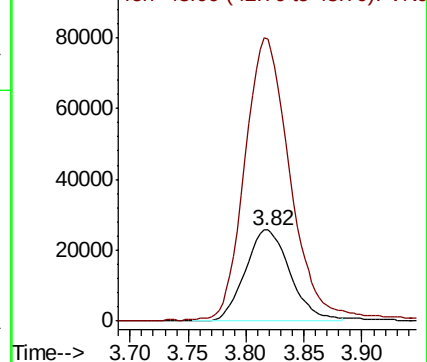
58 100

43 307.9 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.943 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052591.D

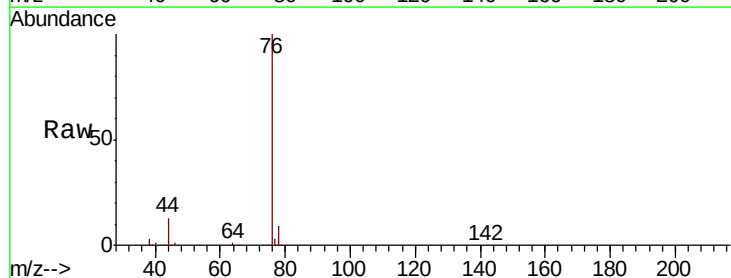
Acq: 30 Nov 2018 3:43

Tgt Ion: 76 Resp: 518483

Ion Ratio Lower Upper

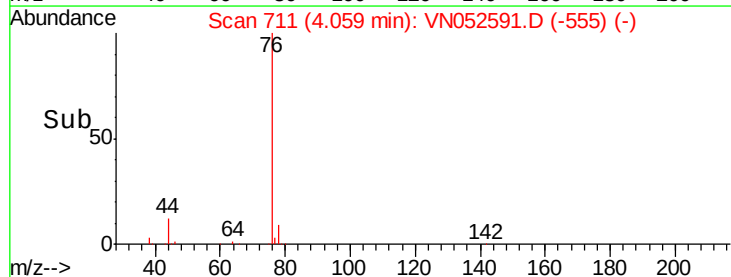
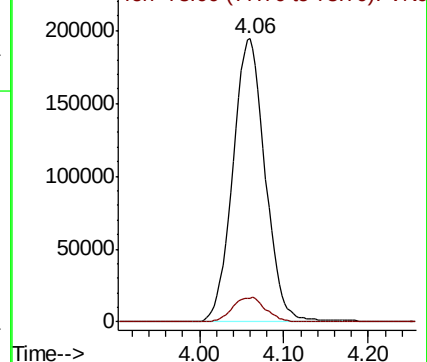
76 100

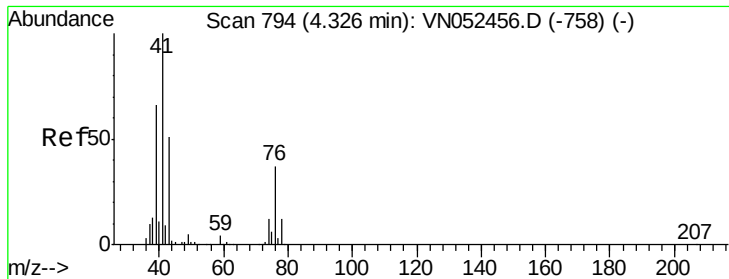
78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

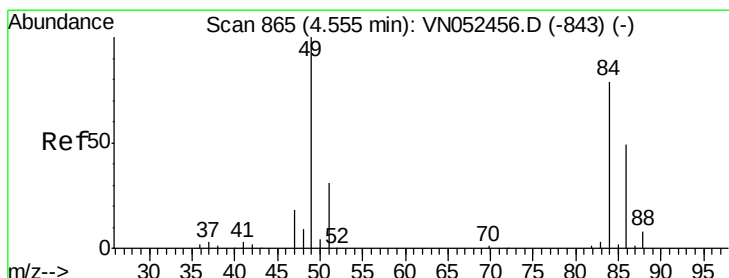
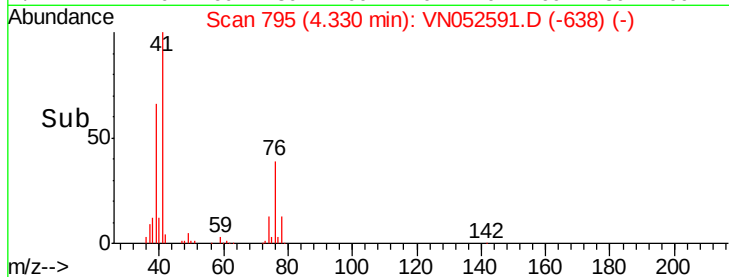
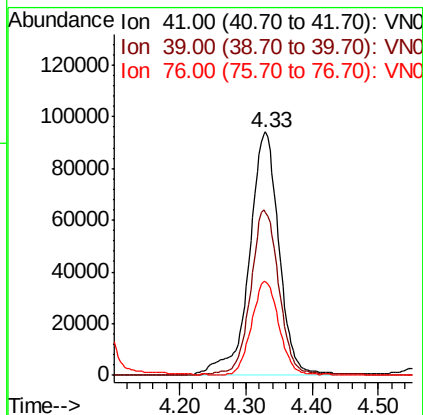
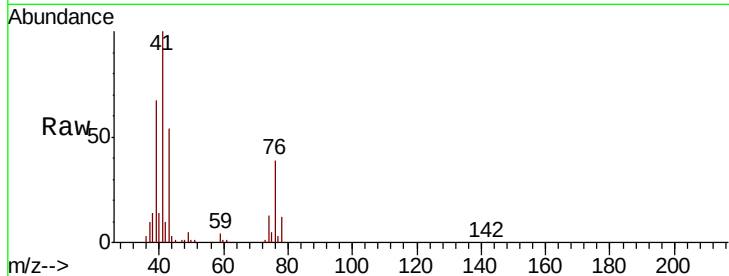




#17
Allvl chloride
Concen: 18.439 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

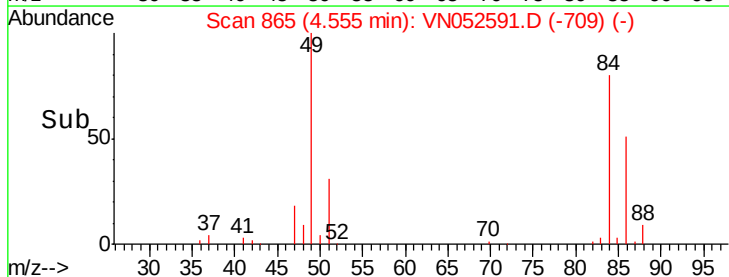
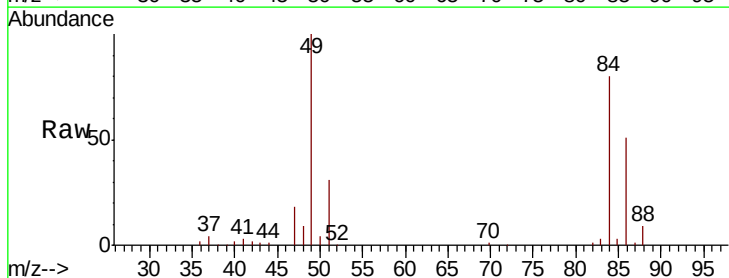
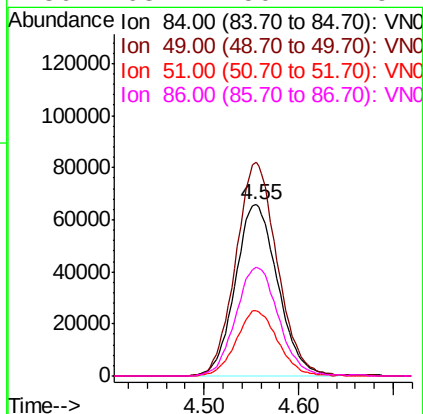
Instrument :
MSVOA_N
ClientSampled :

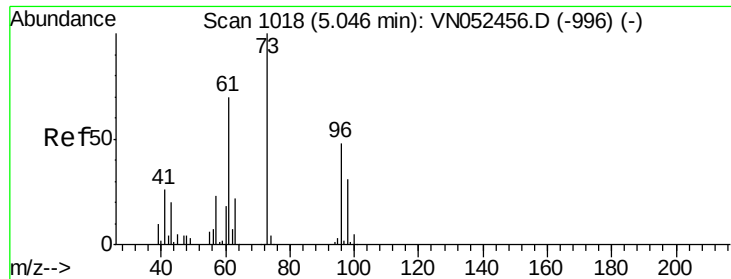
Tot Ion: 41 Resp: 293495
Ion Ratio Lower Upper
41 100
39 67.0 32.8 98.3
76 38.2 18.6 55.8



#18
Methylene Chloride
Concen: 19.393 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion: 84 Resp: 204937
Ion Ratio Lower Upper
84 100
49 124.3 101.4 152.0
51 38.2 31.7 47.5
86 63.2 50.1 75.1

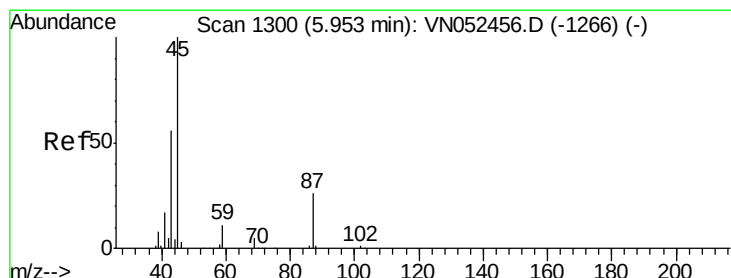
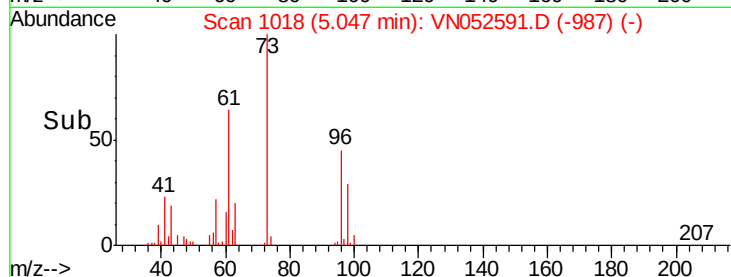
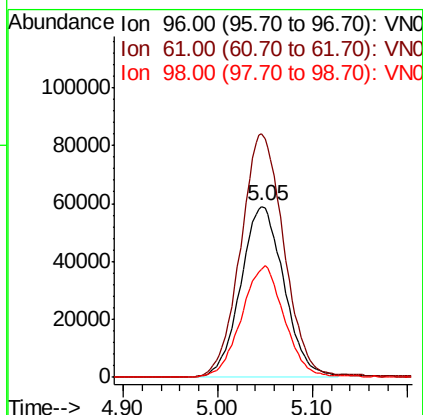
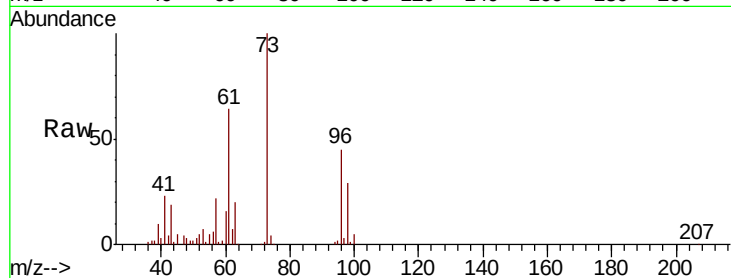




#19
trans-1,2-Dichloroethene
Concen: 19.065 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

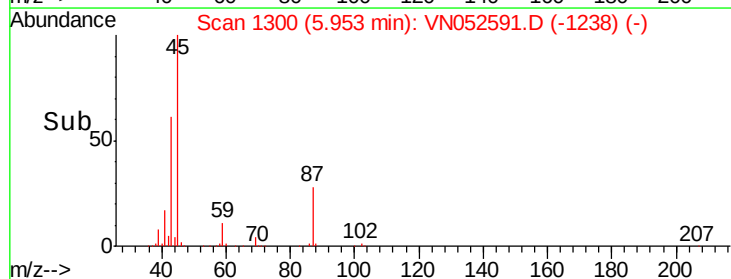
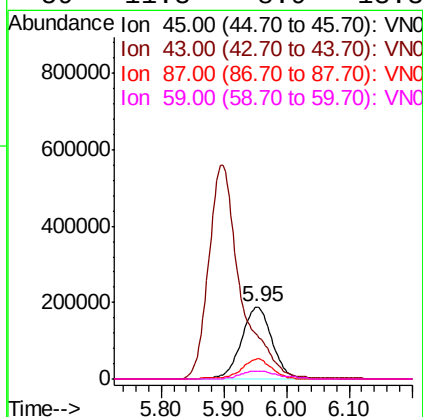
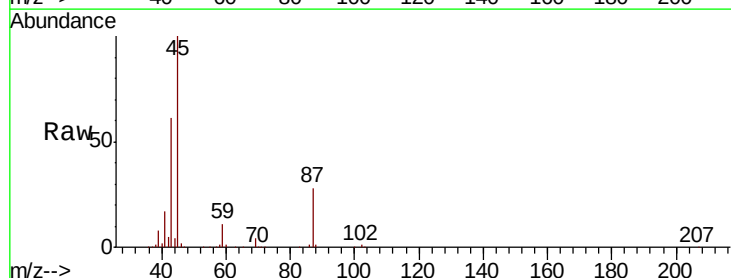
Instrument :
MSVOA_N
ClientSampled :

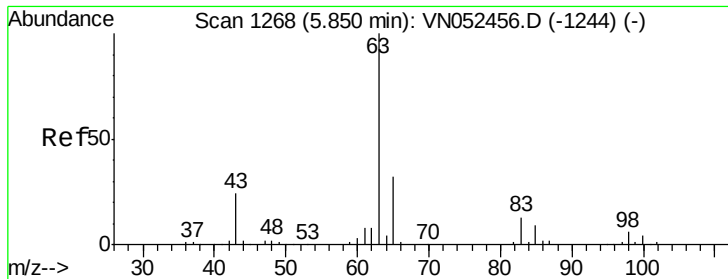
Tot Ion: 96 Resp: 187258
Ion Ratio Lower Upper
96 100
61 142.6 118.2 177.4
98 63.6 51.4 77.2



#20
Diisopropyl ether
Concen: 19.001 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion: 45 Resp: 635577
Ion Ratio Lower Upper
45 100
43 59.6 47.8 71.8
87 28.1 21.3 31.9
59 11.3 8.9 13.3

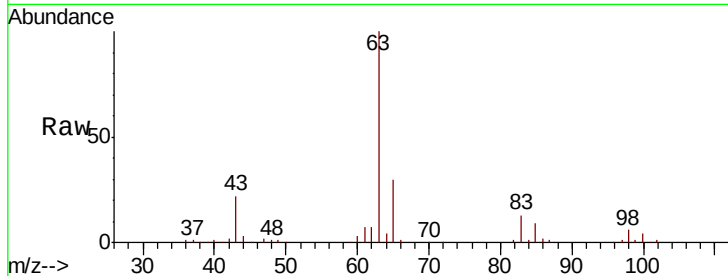




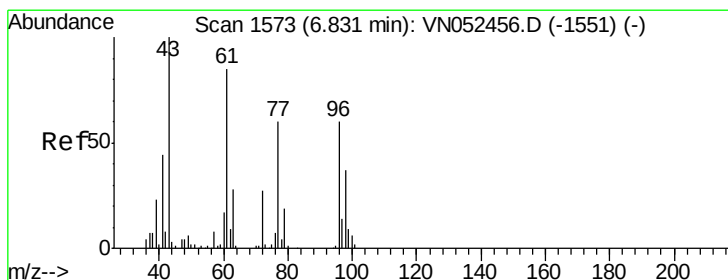
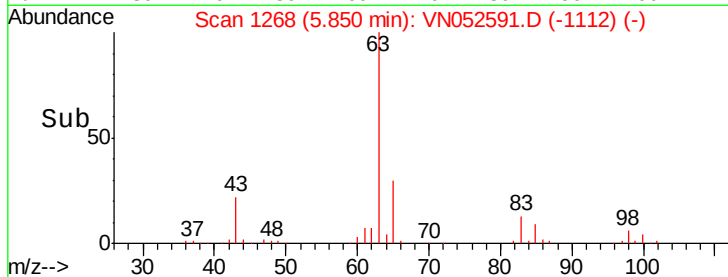
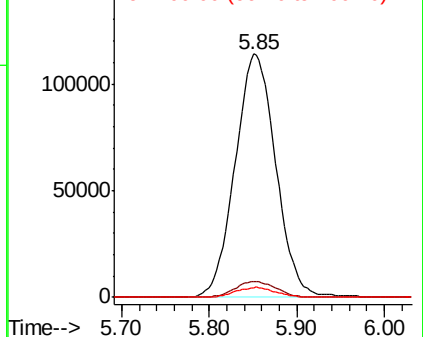
#21
 1,1-Dichloroethane
 Concen: 19.266 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.0	9.2
100	3.9	1.8	5.5

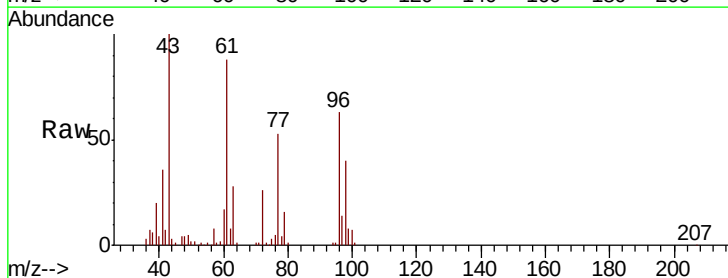


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN
 Ion 100.00 (99.70 to 100.70): VN

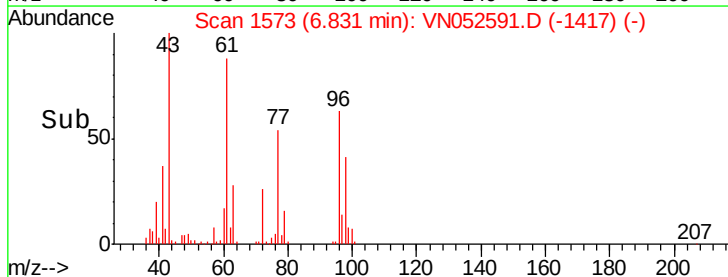
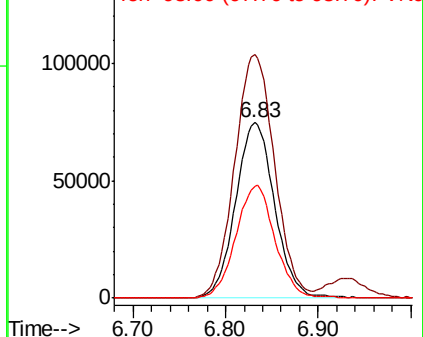


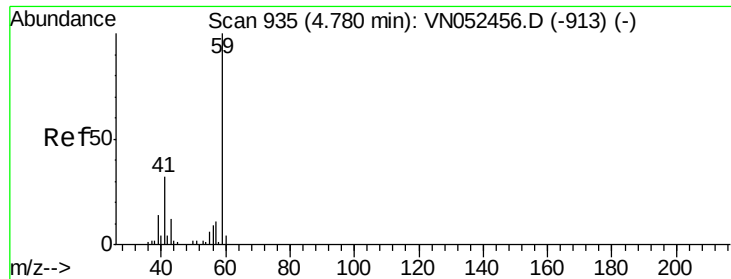
#22
 cis-1,2-Dichloroethene
 Concen: 19.351 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.0	116.7	175.1
98	64.0	50.8	76.2



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

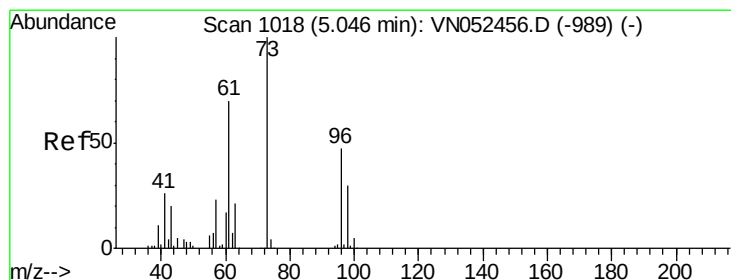
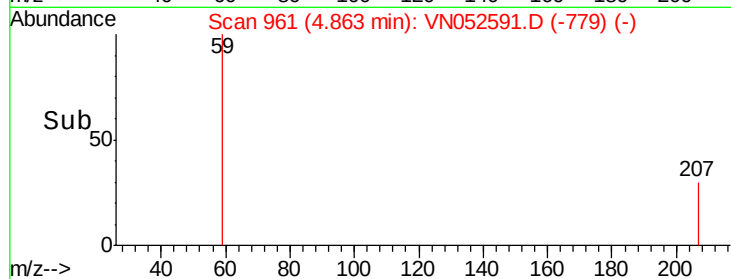
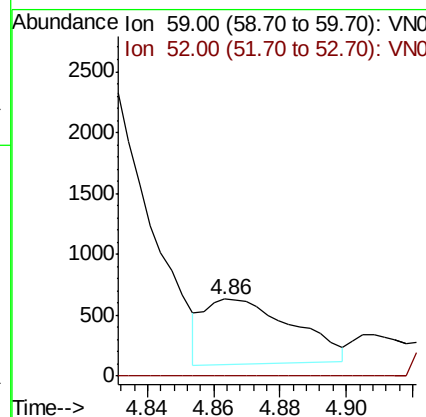
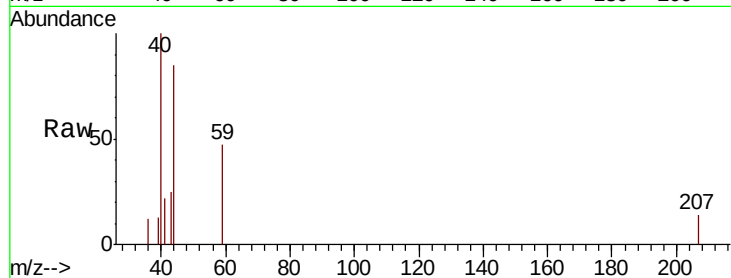




#23
 tert-Butyl Alcohol
 Concen: 2.026 ug/l
 RT: 4.86 min Scan# 961
 Delta R.T. 0.08 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

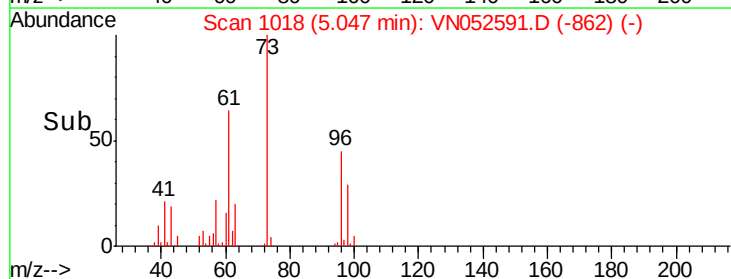
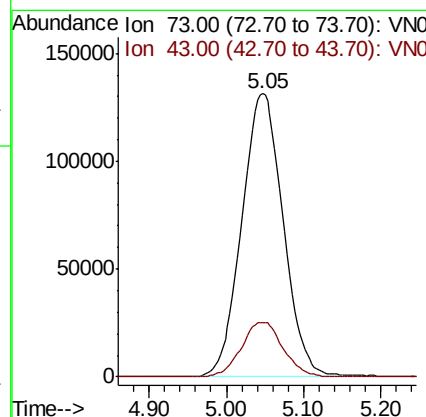
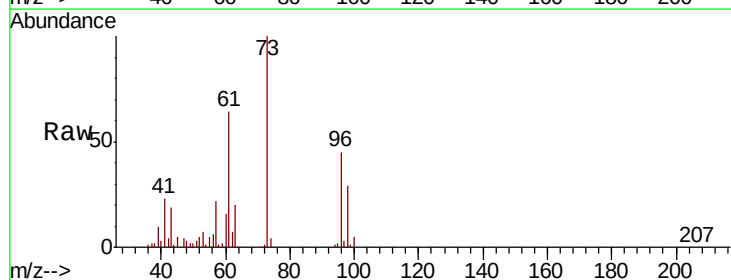
Instrument :
 MSVOA_N
 ClientSampled :

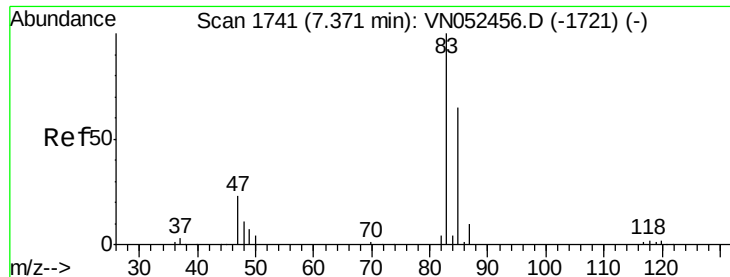
Tot Ion: 59 Resp: 996
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 20.426 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion: 73 Resp: 489058
 Ion Ratio Lower Upper
 73 100
 43 19.3 15.8 23.8

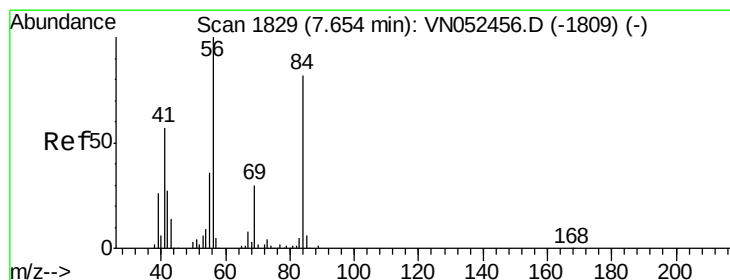
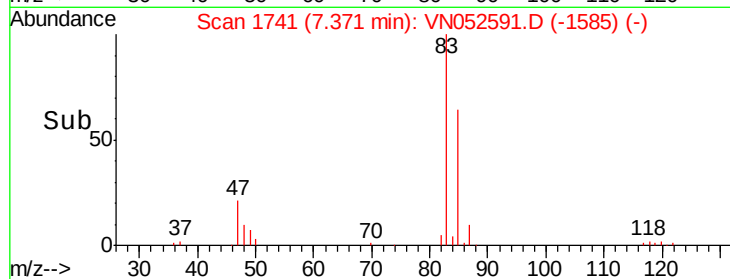
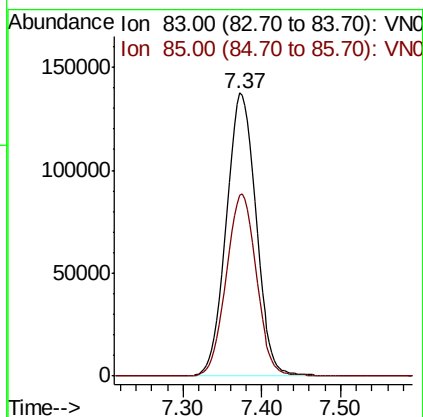
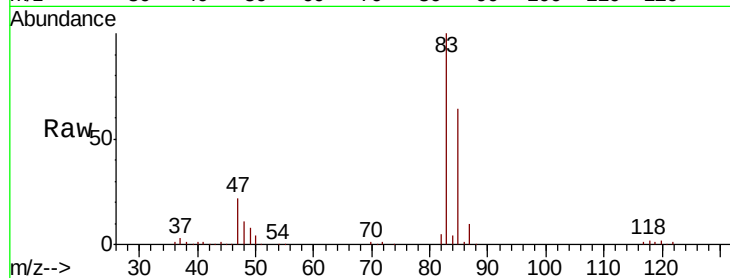




#25
Chloroform
Concen: 19.666 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

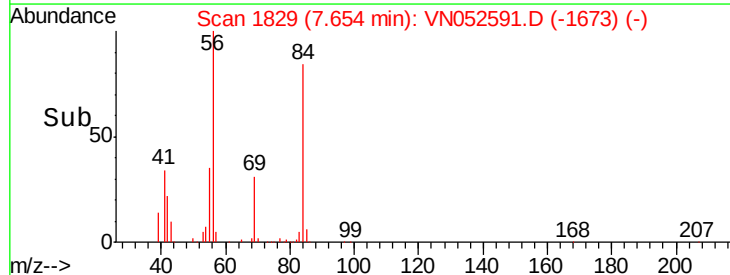
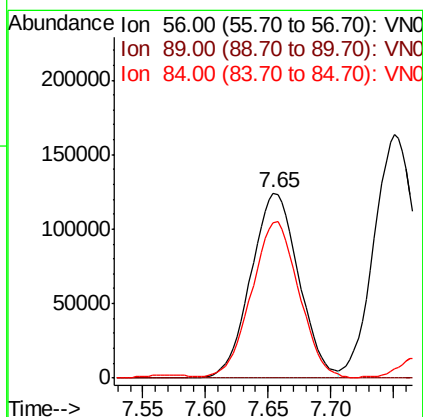
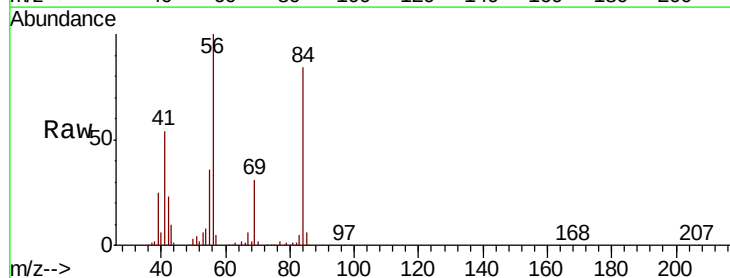
Instrument :
MSVOA_N
ClientSampleId :

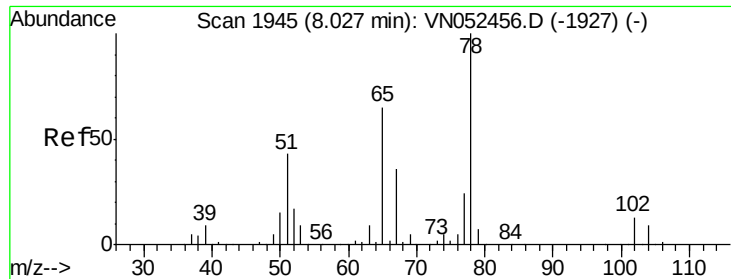
Tot Ion: 83 Resp: 361702
Ion Ratio Lower Upper
83 100
85 63.8 51.7 77.5



#26
Cyclohexane
Concen: 18.259 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion: 56 Resp: 328306
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 83.0 66.2 99.2

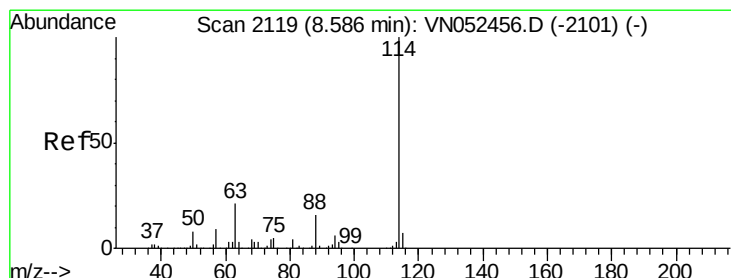
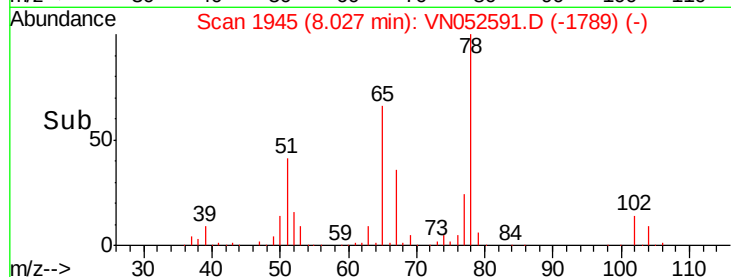
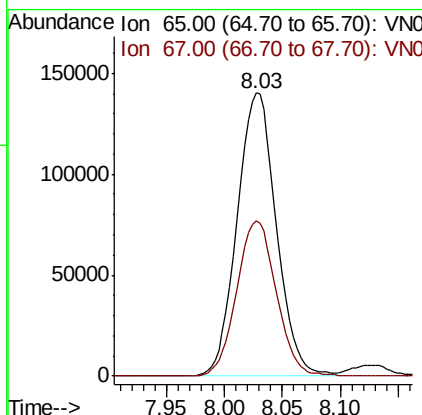
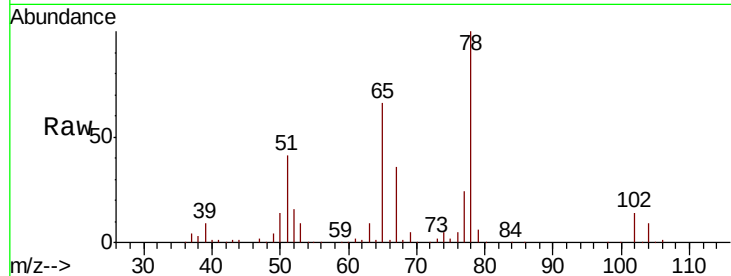




#27
 1,2-Dichloroethane-d4
 Concen: 18.259 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

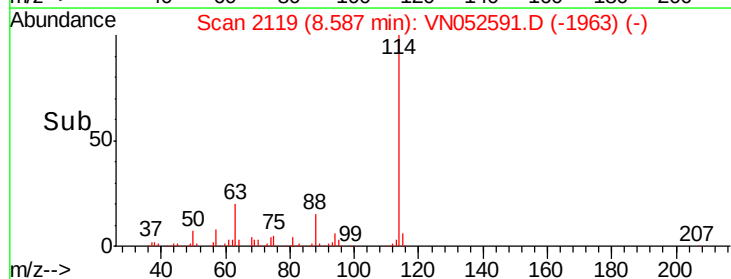
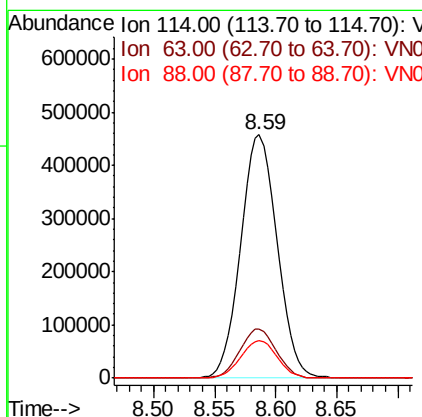
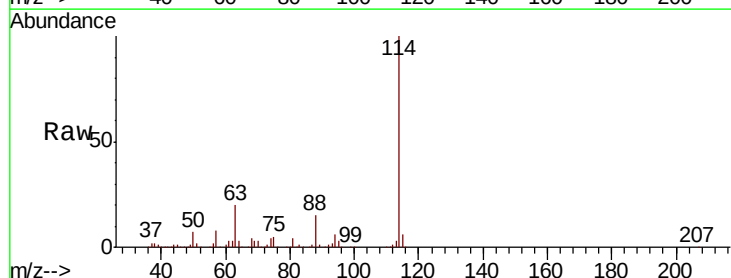
Instrument :
 MSVOA_N
 ClientSampleId :

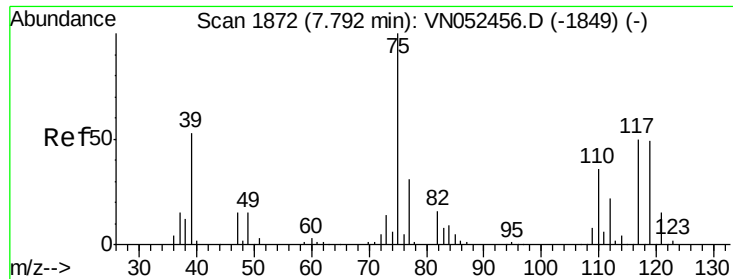
Tot Ion: 65 Resp: 330246
 Ion Ratio Lower Upper
 65 100
 67 55.4 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion: 114 Resp: 946136
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.9 25.3
 88 15.4 12.8 19.2

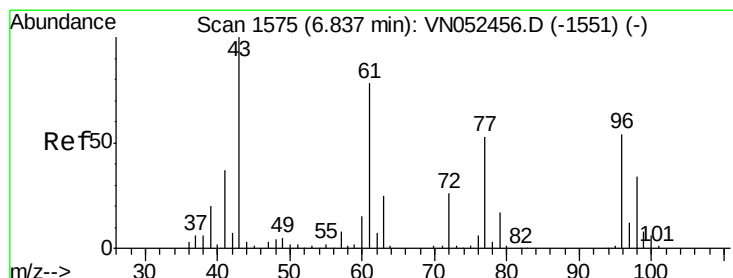
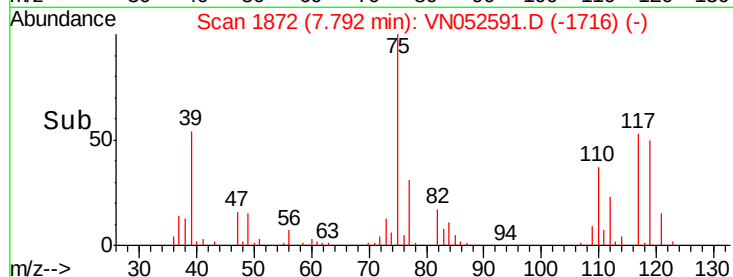
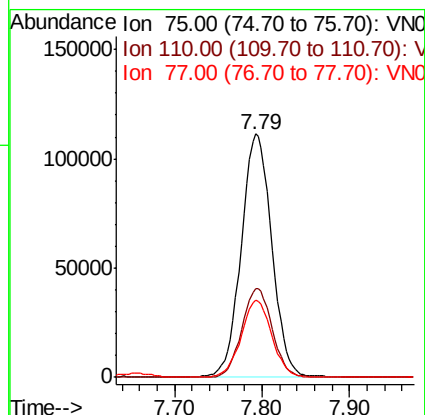
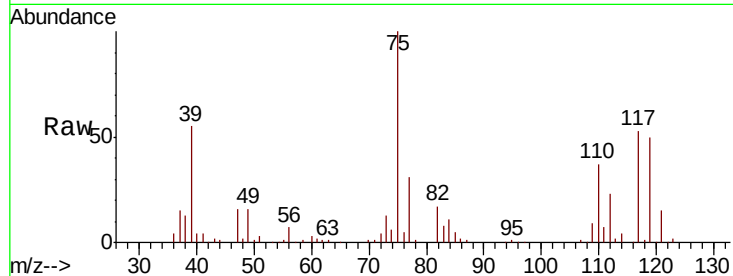




#29
 1,1-Dichloropropene
 Concen: 18.730 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

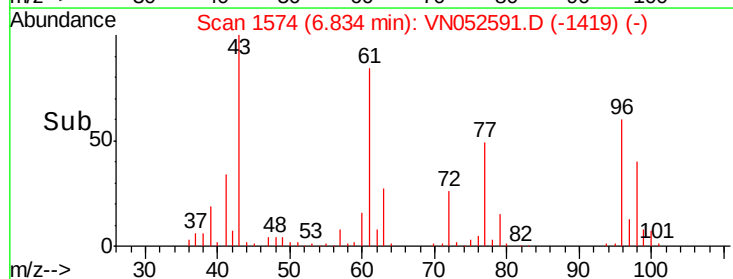
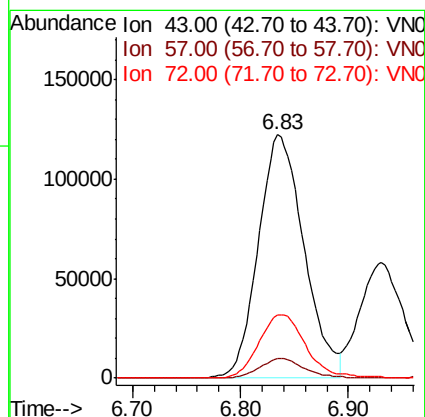
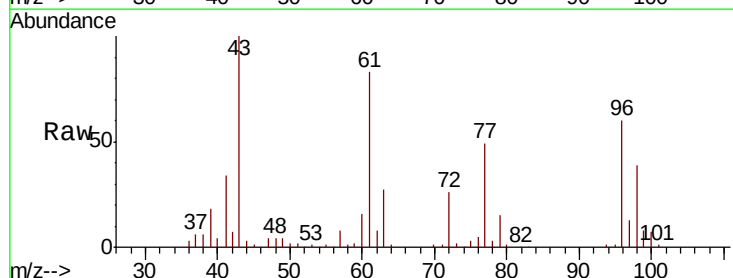
Instrument :
 MSVOA_N
 ClientSampled :

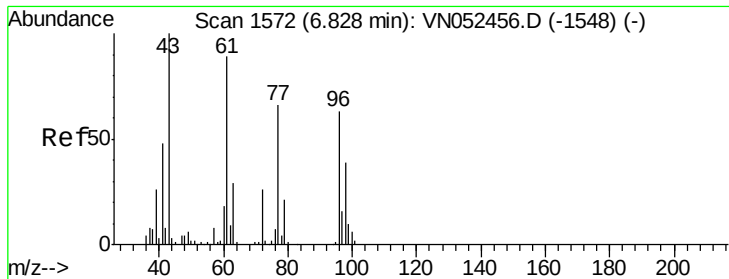
Tot Ion	75	Resp	270619
Ion Ratio	Lower	Upper	
75	100		
110	36.2	0.0	70.2
77	31.4	0.0	62.6



#30
 2-Butanone
 Concen: 92.729 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion	43	Resp	358506
Ion Ratio	Lower	Upper	
43	100		
57	8.0	6.2	9.4
72	27.0	21.0	31.6





#31

2,2-Dichloropropane

Concen: 15.383 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

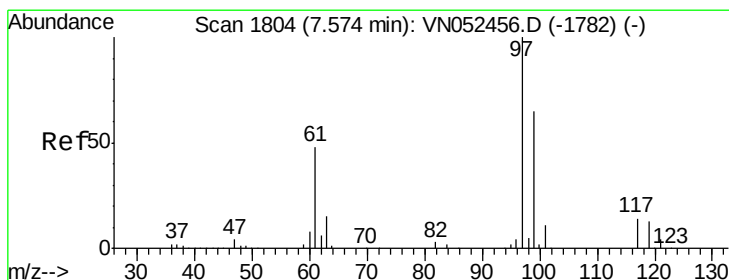
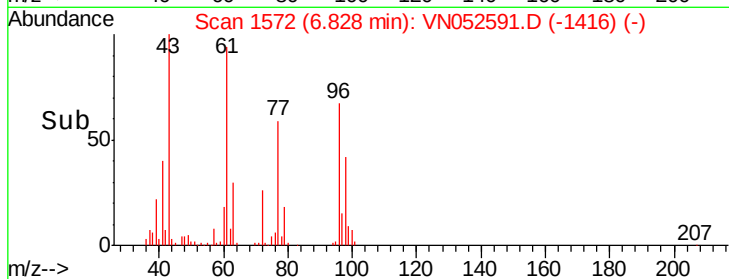
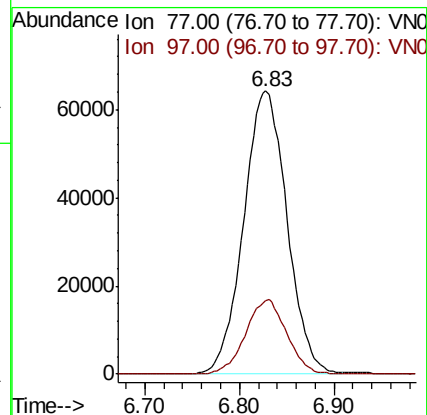
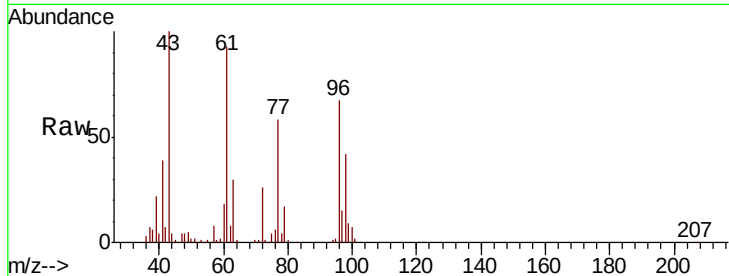
ClientSampleId :

Tot Ion: 77 Resp: 204620

Ion Ratio Lower Upper

77 100

97 25.0 18.7 28.1



#32

1,1,1-Trichloroethane

Concen: 19.557 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

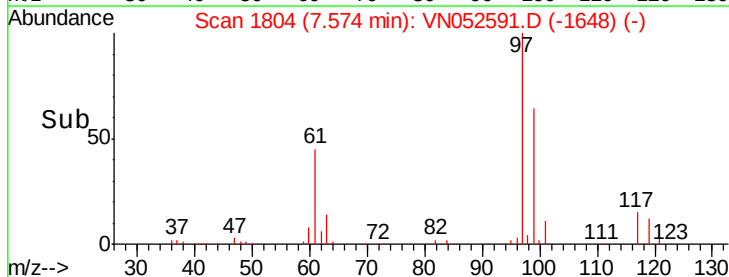
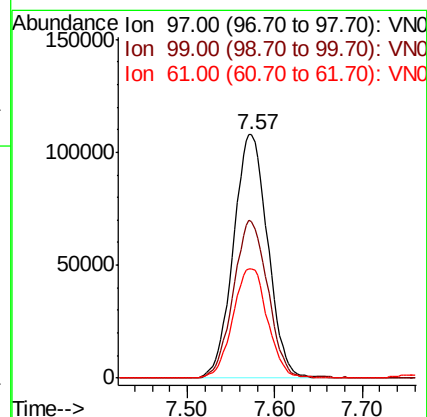
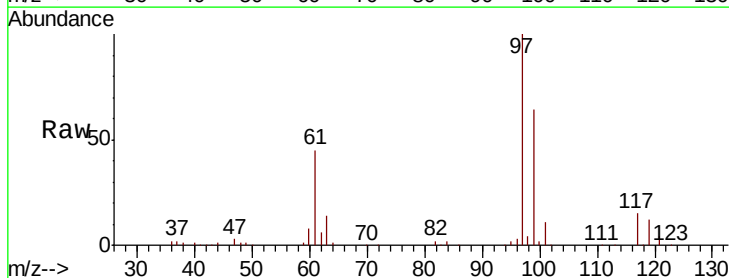
Tgt Ion: 97 Resp: 294025

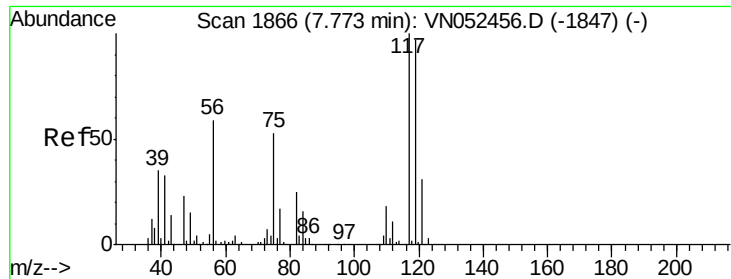
Ion Ratio Lower Upper

97 100

99 64.6 50.9 76.3

61 45.6 38.1 57.1

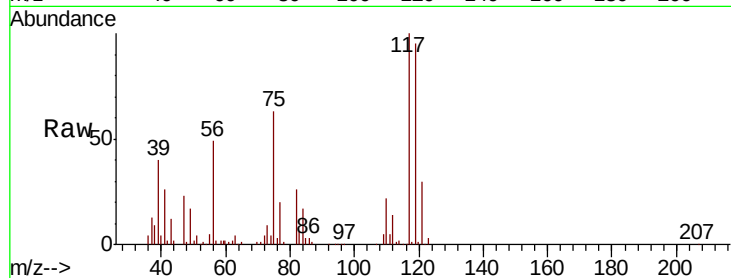




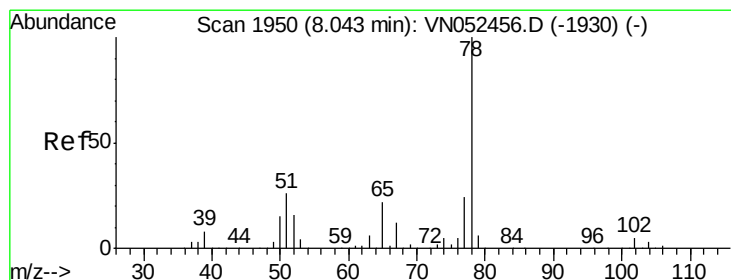
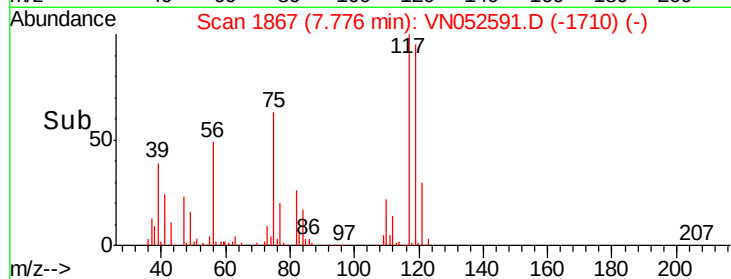
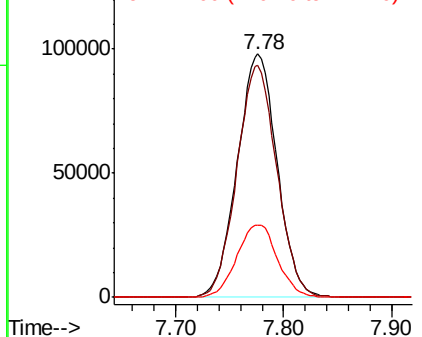
#33
Carbon Tetrachloride
Concen: 19.128 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 251619
Ion Ratio Lower Upper
117 100
119 95.4 77.3 115.9
121 29.9 24.9 37.3

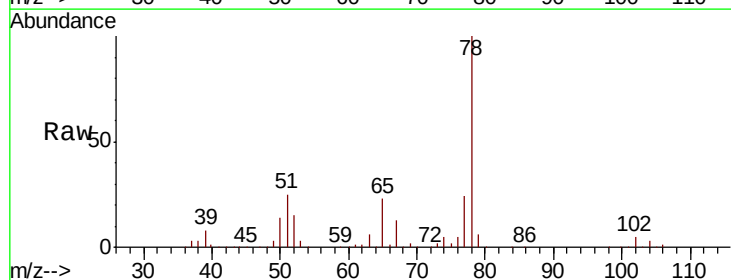


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

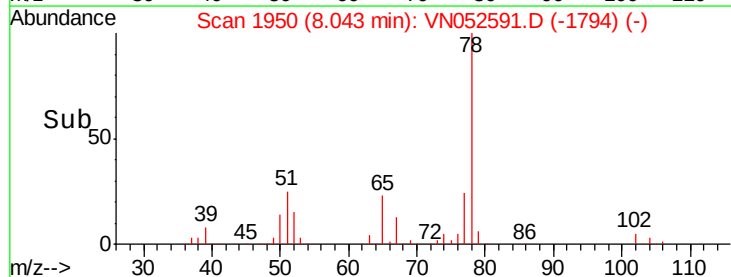
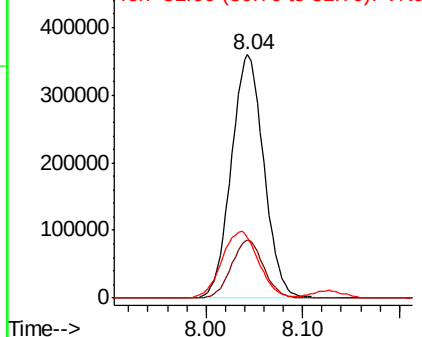


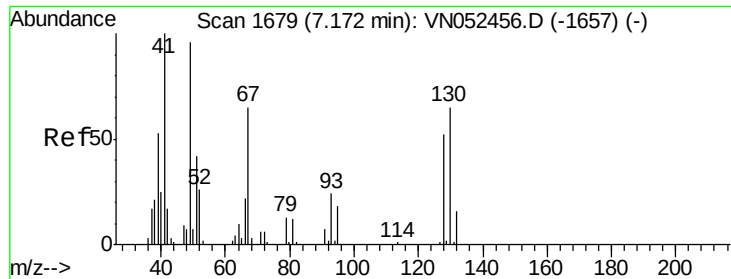
#34
Benzene
Concen: 19.358 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion: 78 Resp: 840898
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6
51 24.4 20.5 30.7



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

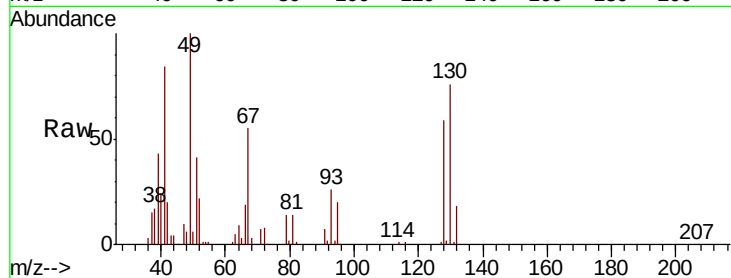




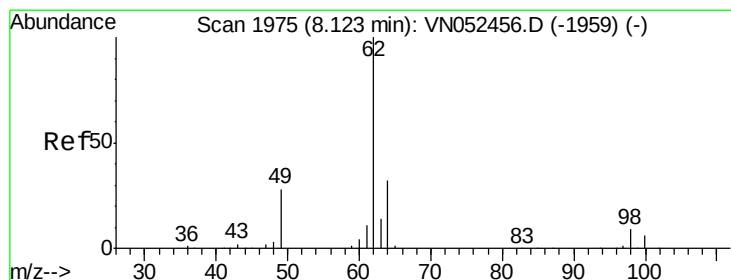
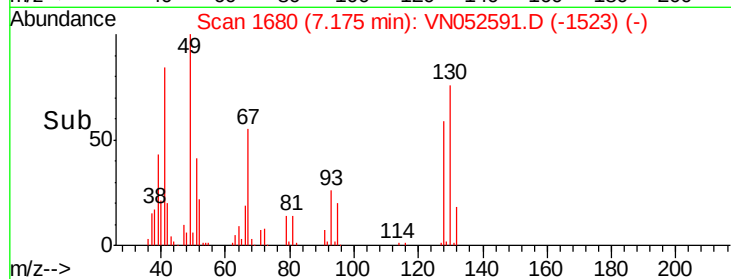
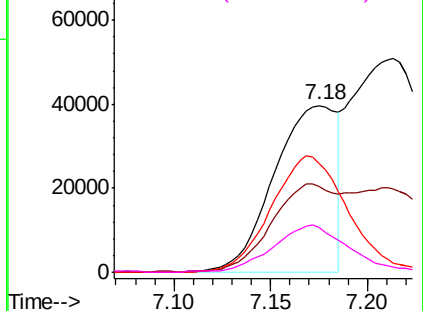
#35
Methacrylonitrile
Concen: 18.546 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	88961
Ion	Ratio	Lower	Upper
41	100		
39	51.5	26.6	79.7
67	65.9	32.3	96.9
52	26.2	13.0	38.9

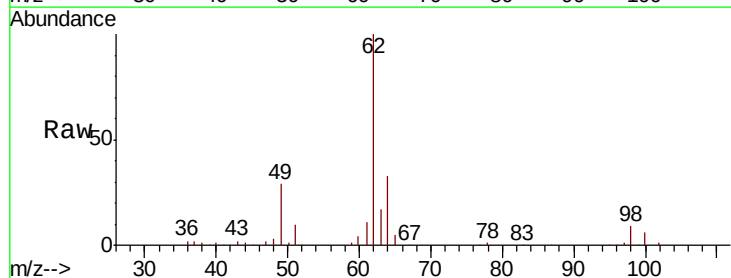


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

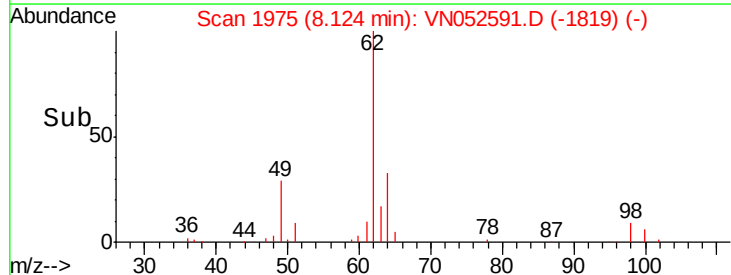
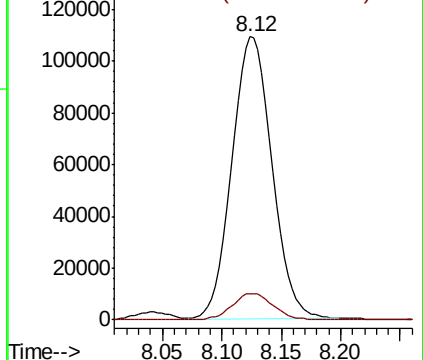


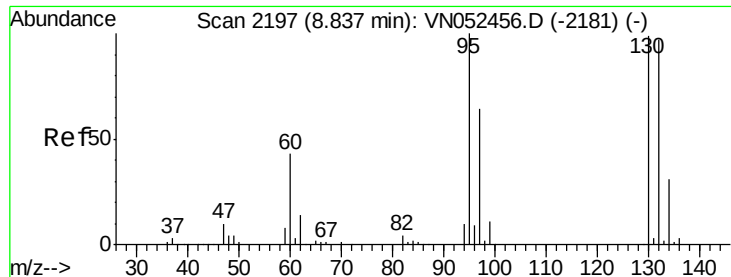
#36
1,2-Dichloroethane
Concen: 19.345 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion:	62	Resp:	254645
Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.4	11.2



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





#37

Trichloroethene

Concen: 19.667 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

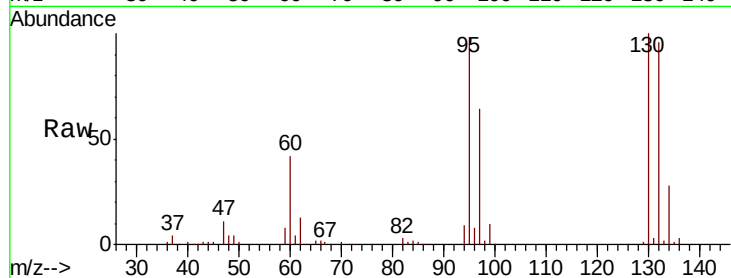
ClientSampled :

Tot Ion:130 Resp: 216643

Ion Ratio Lower Upper

130 100

95 97.5 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): VN052591.D (-2181) (-)

Ion 94.90 (94.60 to 95.60): VN052591.D (-2181) (-)

8.83

100000

80000

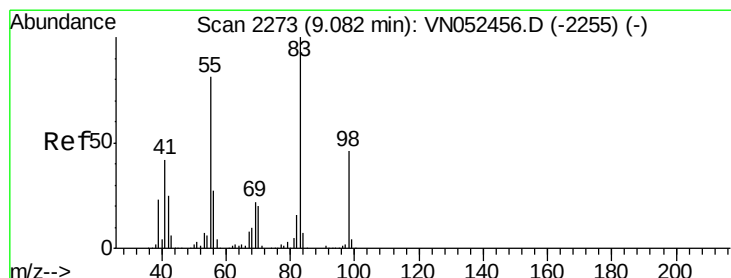
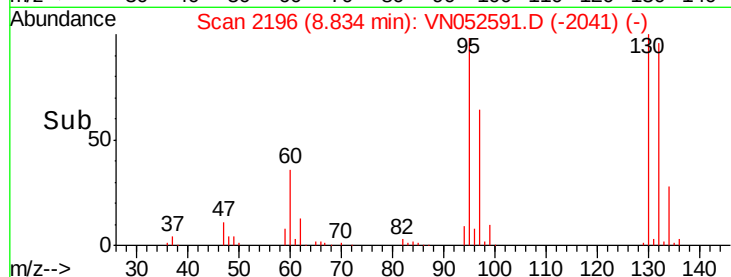
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 17.670 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

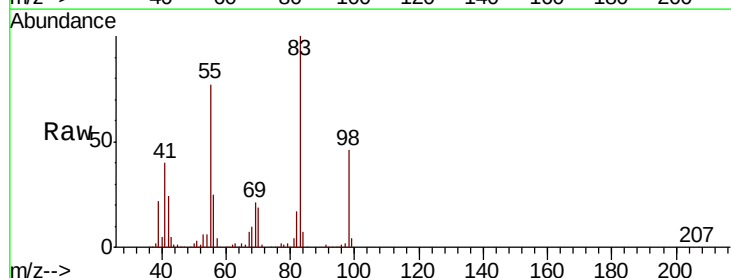
Tgt Ion: 83 Resp: 316035

Ion Ratio Lower Upper

83 100

55 76.9 39.8 119.4

98 46.5 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN052591.D (-2117) (-)

Ion 55.00 (54.70 to 55.70): VN052591.D (-2117) (-)

Ion 98.00 (97.70 to 98.70): VN052591.D (-2117) (-)

9.08

200000

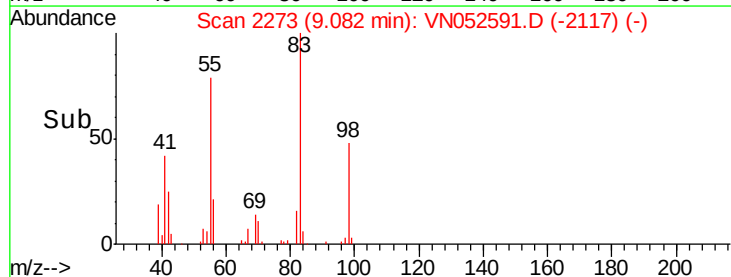
150000

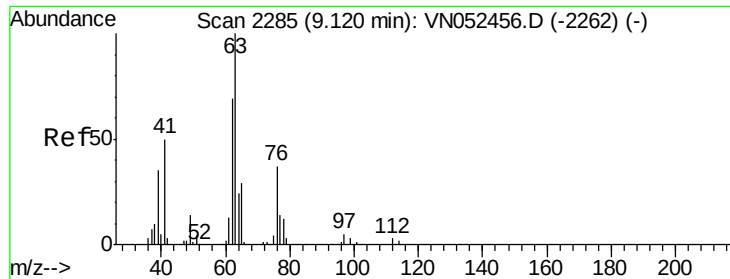
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 19.174 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

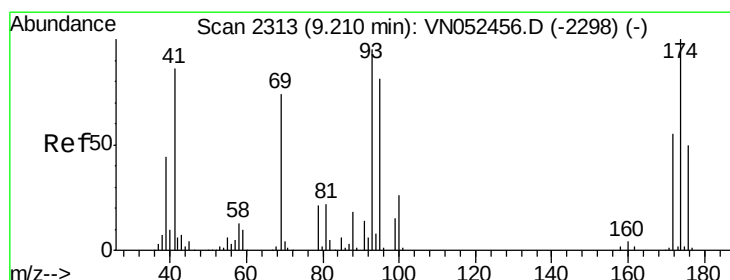
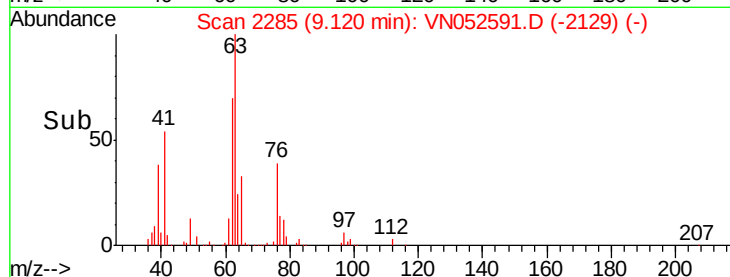
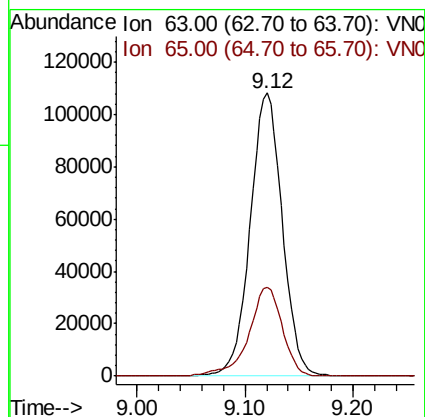
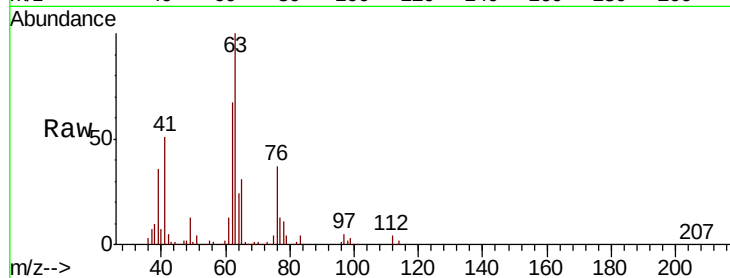
ClientSampleId :

Tot Ion: 63 Resp: 223269

Ion Ratio Lower Upper

63 100

65 31.4 23.6 35.4



#40

Dibromomethane

Concen: 20.270 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

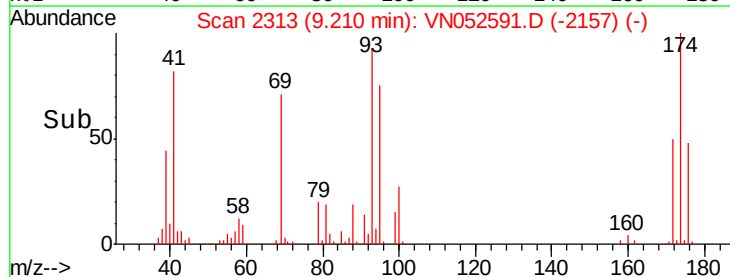
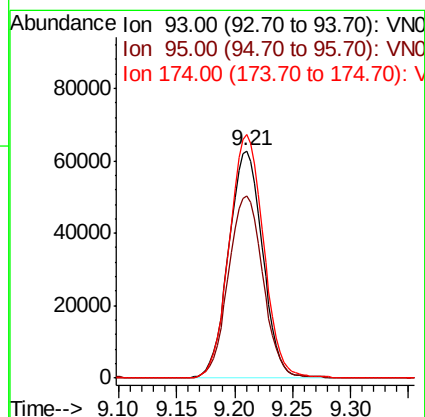
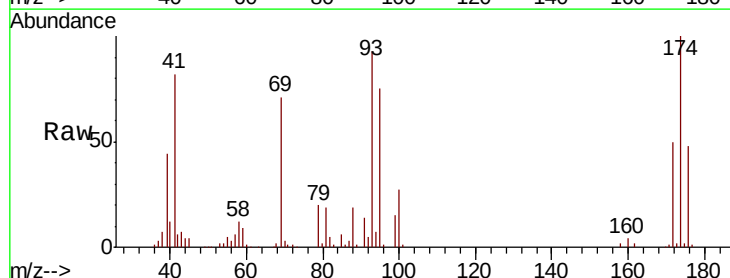
Tgt Ion: 93 Resp: 127547

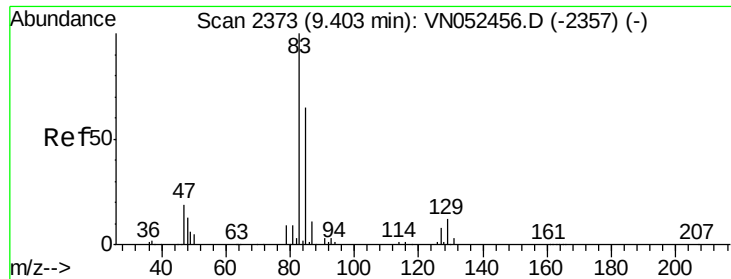
Ion Ratio Lower Upper

93 100

95 81.5 0.0 168.4

174 107.8 0.0 210.0

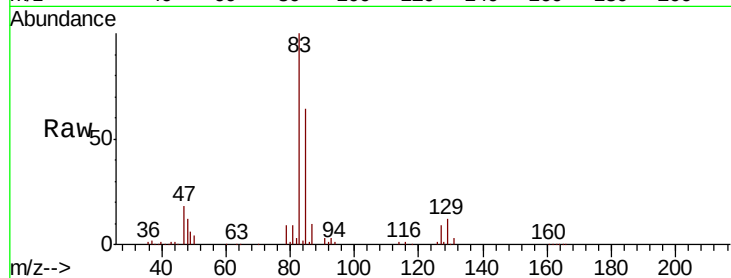




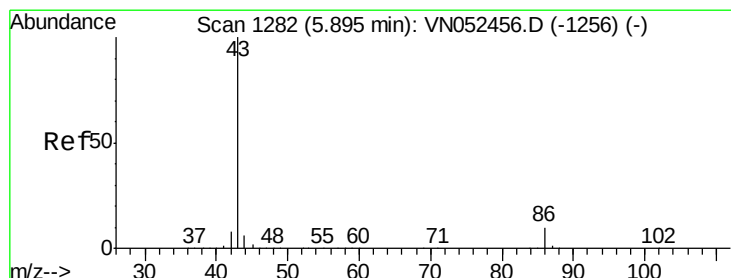
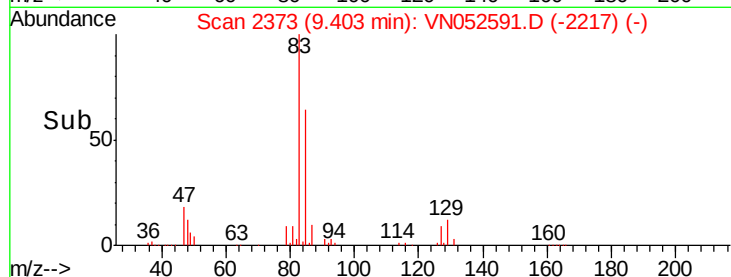
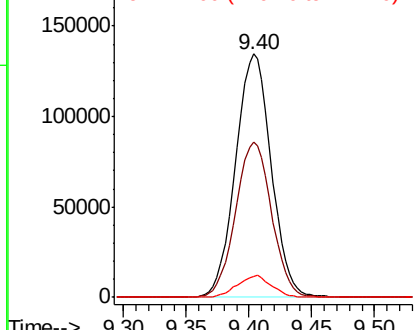
#41
Bromodichloromethane
Concen: 19.196 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 266879
Ion Ratio Lower Upper
83 100
85 63.9 52.4 78.6
127 8.7 6.6 9.8

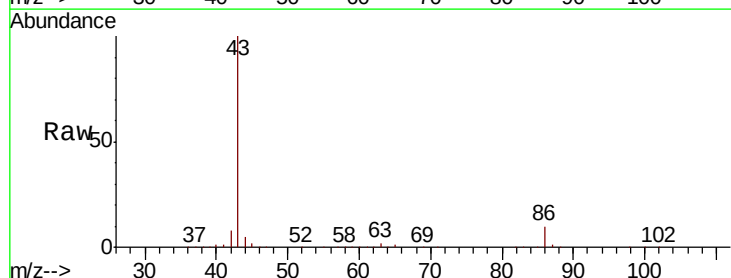


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

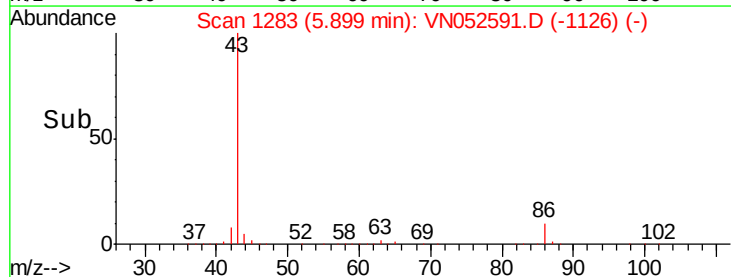
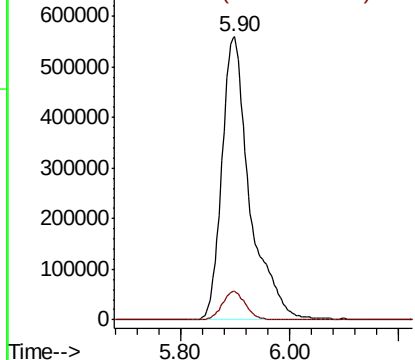


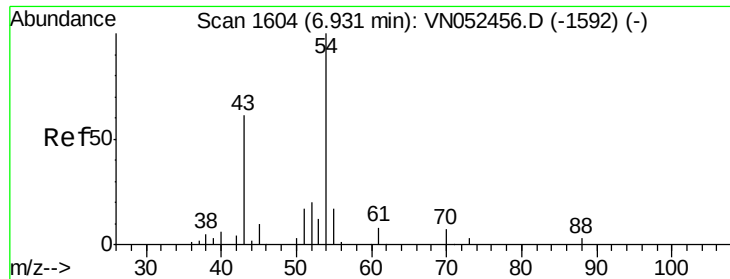
#42
Vinyl Acetate
Concen: 94.725 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion: 43 Resp: 1981494
Ion Ratio Lower Upper
43 100
86 8.6 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: 19.878 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

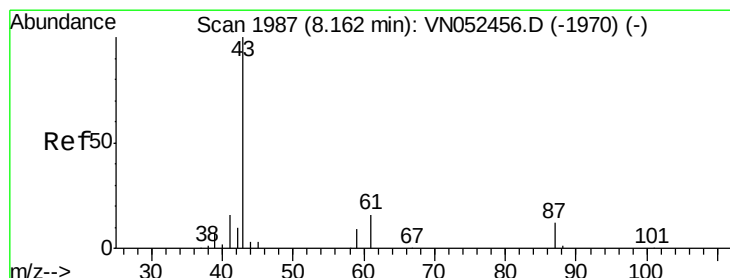
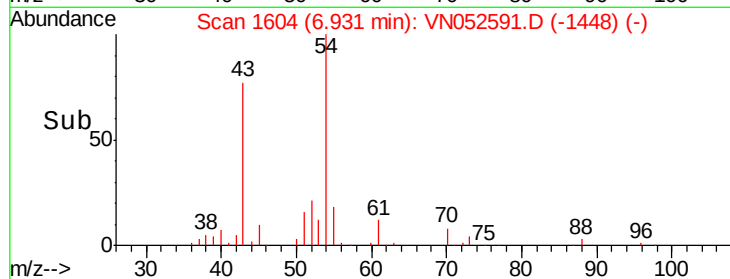
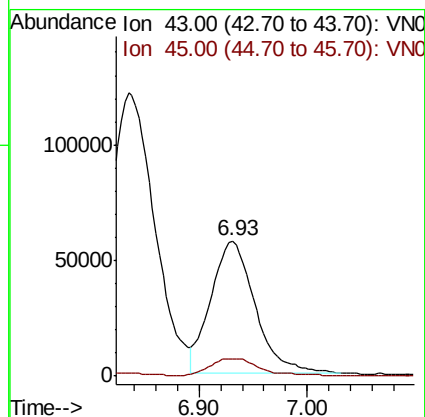
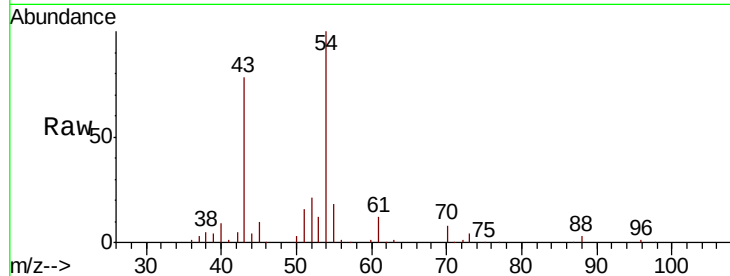
ClientSampled :

Tot Ion: 43 Resp: 163419

Ion Ratio Lower Upper

43 100

45 7.2 1.0 1.6#



#44

Isopropyl Acetate

Concen: 20.384 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052591.D

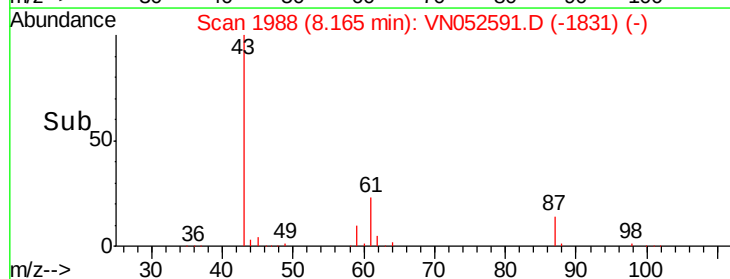
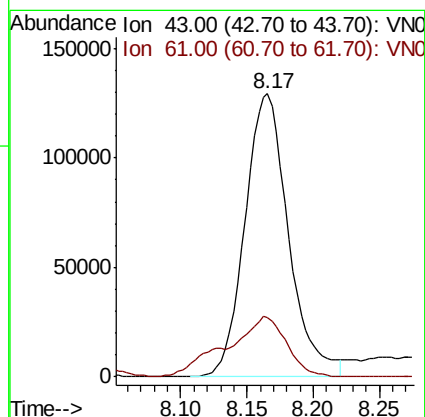
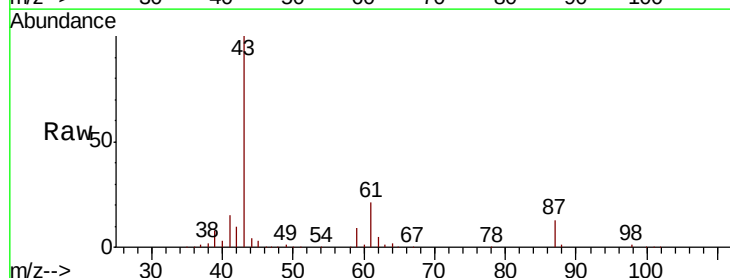
Acq: 30 Nov 2018 3:43

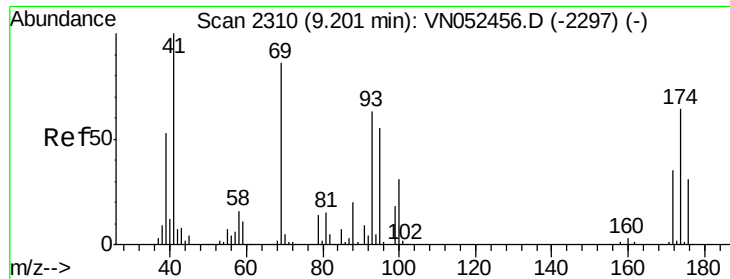
Tgt Ion: 43 Resp: 293900

Ion Ratio Lower Upper

43 100

61 20.9 16.0 24.0

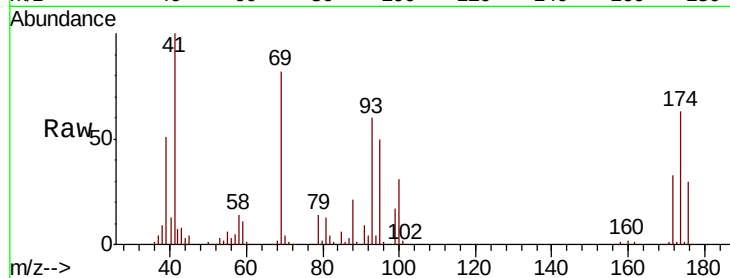




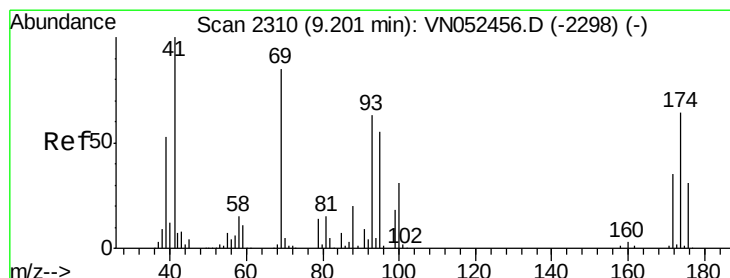
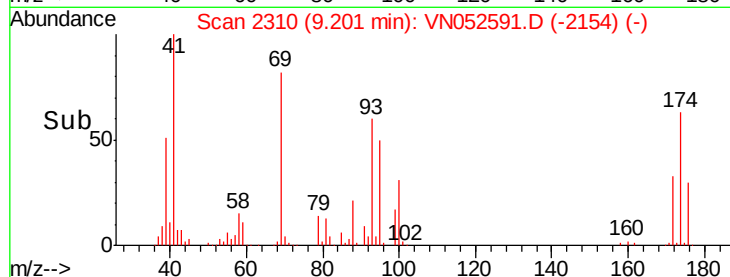
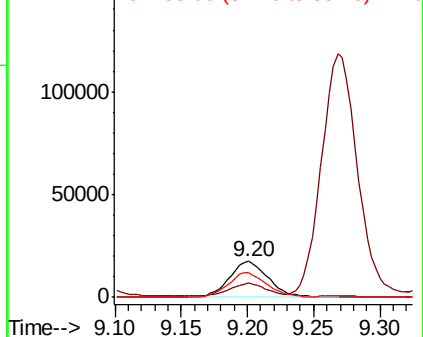
#45
 1,4-Dioxane
 Concen: 458.783 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 36187
 Ion Ratio Lower Upper
 88 100
 43 33.2 29.5 44.3
 58 68.4 61.5 92.3

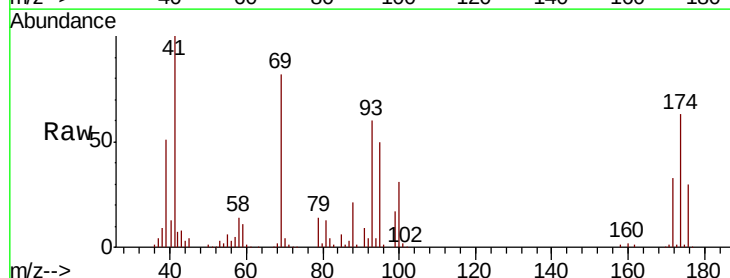


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

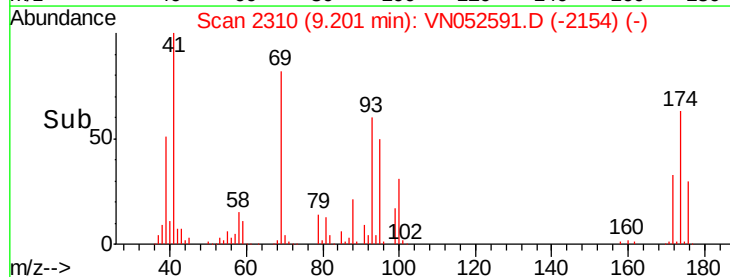
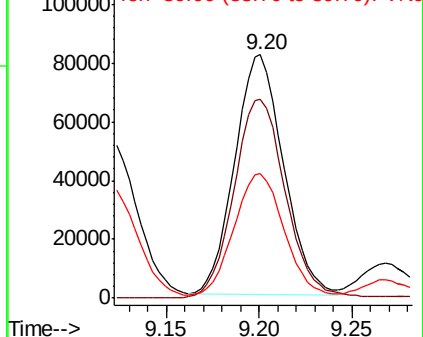


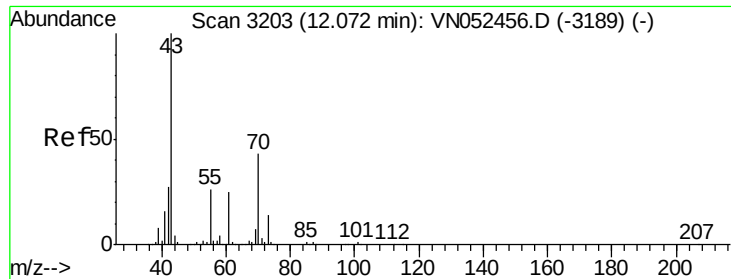
#46
 Methyl methacrylate
 Concen: 19.946 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion: 41 Resp: 149319
 Ion Ratio Lower Upper
 41 100
 69 82.6 42.5 127.6
 39 50.9 26.3 78.9



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





#47

n-amvl Acetate

Concen: 18.806 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

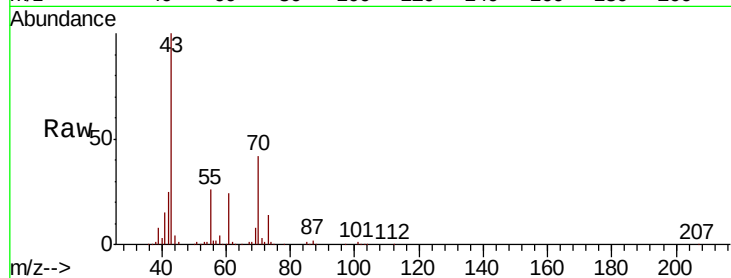
ClientSampled :

Tot Ion: 43 Resp: 224810

Ion Ratio Lower Upper

43 100

55 25.9 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

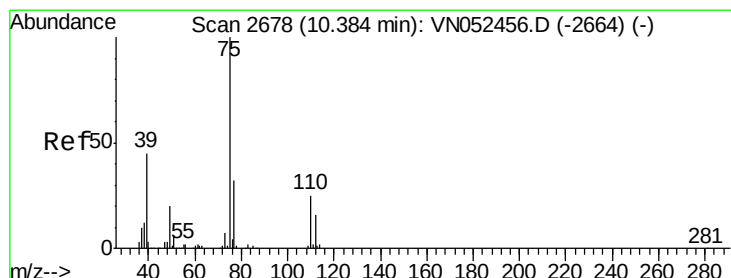
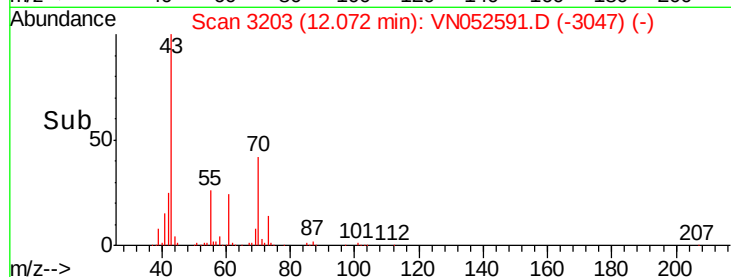
150000

100000

50000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 18.452 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052591.D

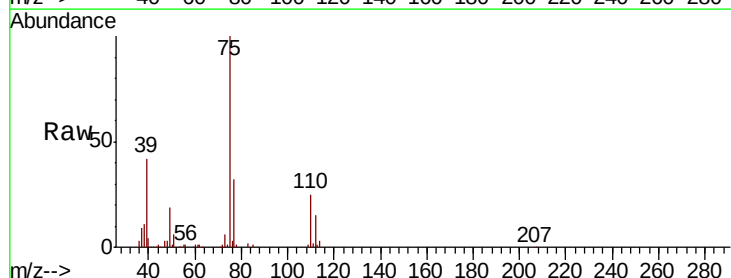
Acq: 30 Nov 2018 3:43

Tgt Ion: 75 Resp: 248729

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

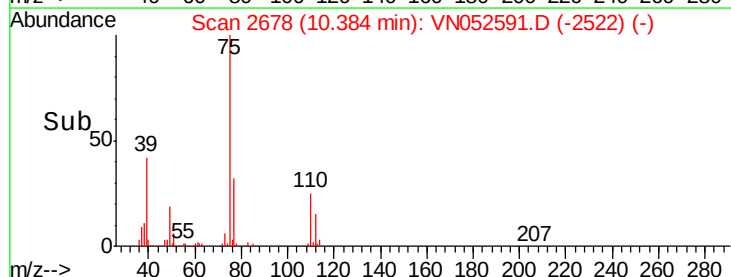
150000

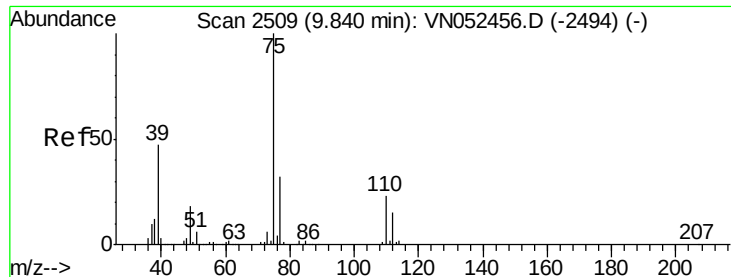
100000

50000

0

Time-->



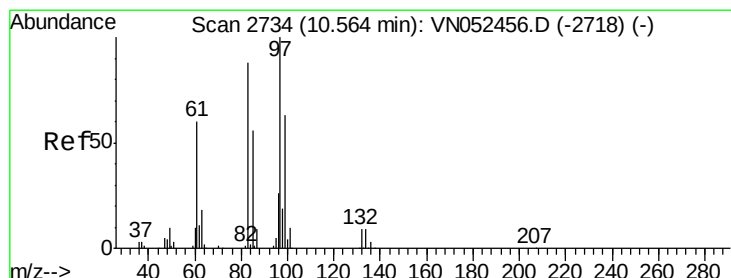
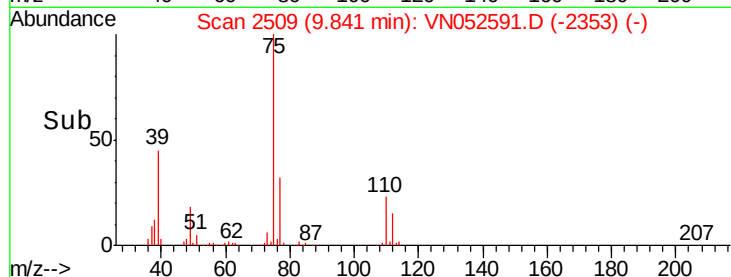
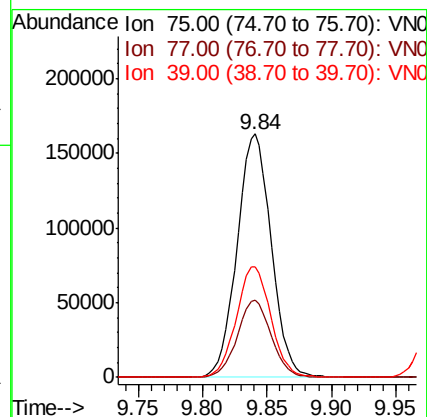
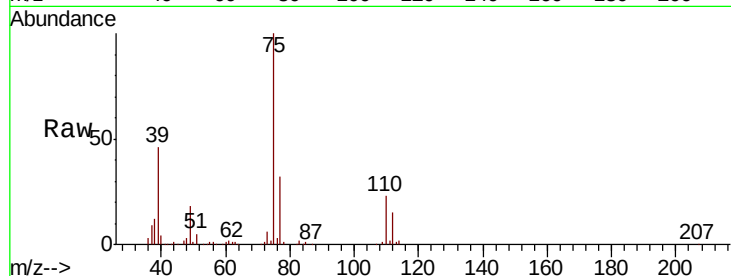


#49

cis-1,3-Dichloropropene
Concen: 18.276 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampled :

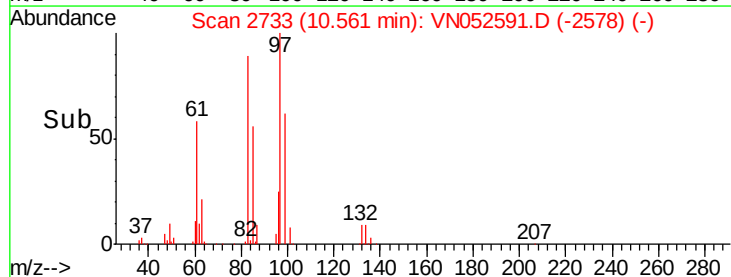
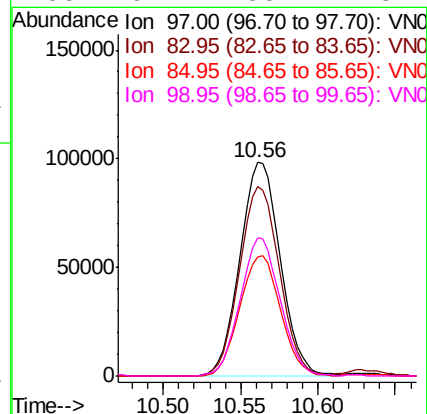
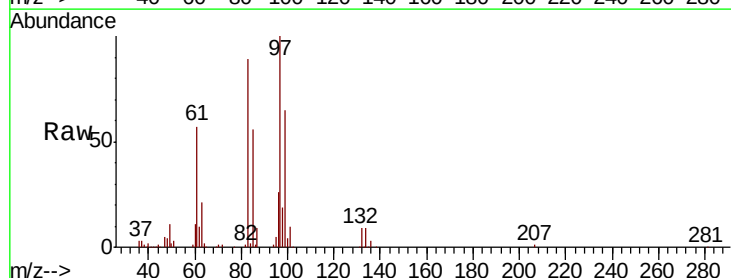
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	45.5	37.3	55.9

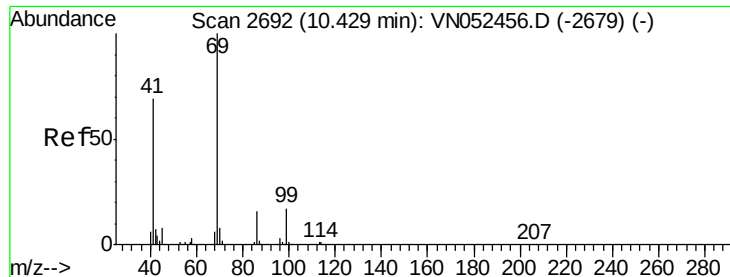


#50

1,1,2-Trichloroethane
Concen: 20.076 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.4	105.6
85	55.8	45.0	67.6
99	64.7	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.626 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampled :

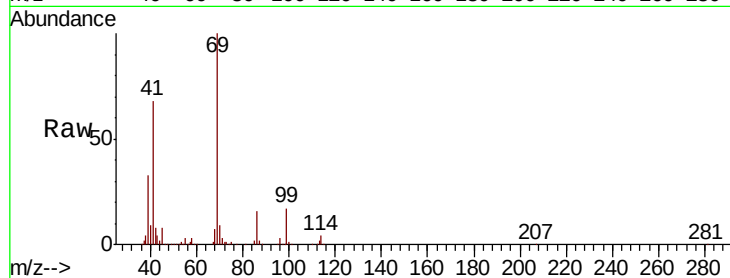
Tot Ion: 69 Resp: 219858

Ion	Ratio	Lower	Upper
69	100		
41	67.4	34.4	103.3
39	32.6	16.4	49.2

69 100

41 67.4 34.4 103.3

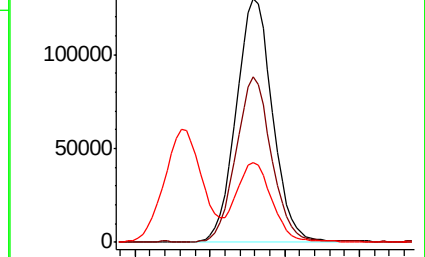
39 32.6 16.4 49.2



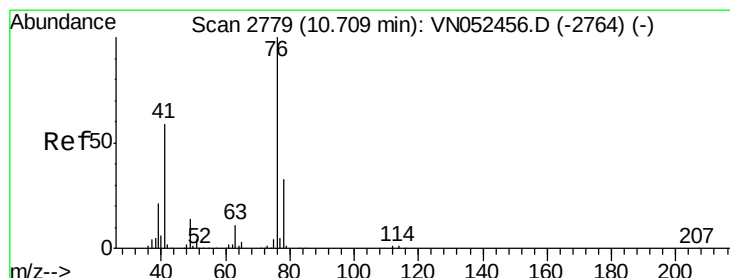
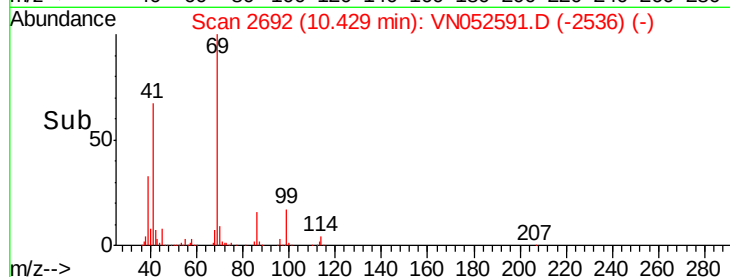
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



#52

1,3-Dichloropropane

Concen: 19.606 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052591.D

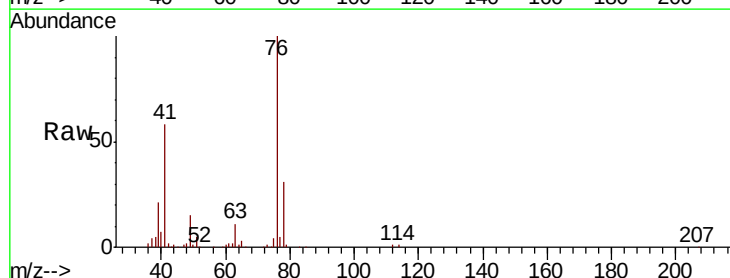
Acq: 30 Nov 2018 3:43

Tgt Ion: 76 Resp: 311278

Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	64.8

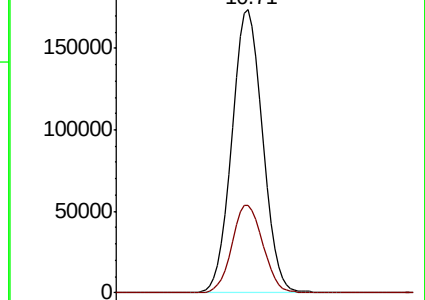
76 100

78 31.3 0.0 64.8

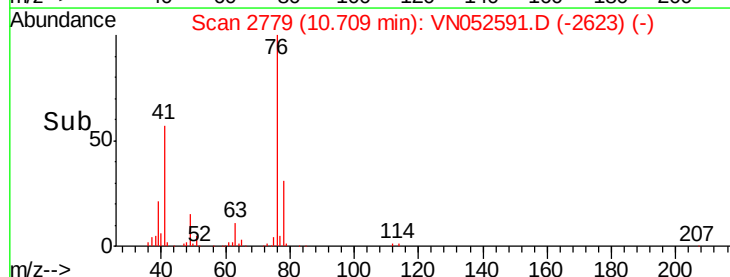


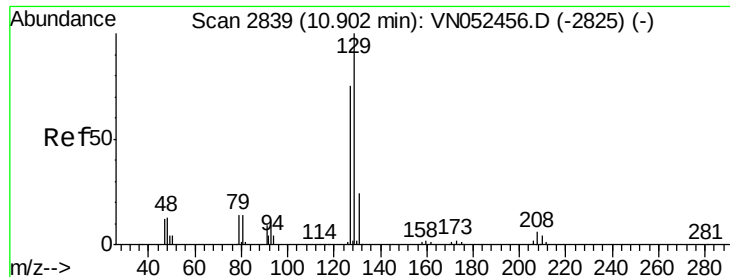
Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



Time-->





#53

Dibromochloromethane

Concen: 19.226 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

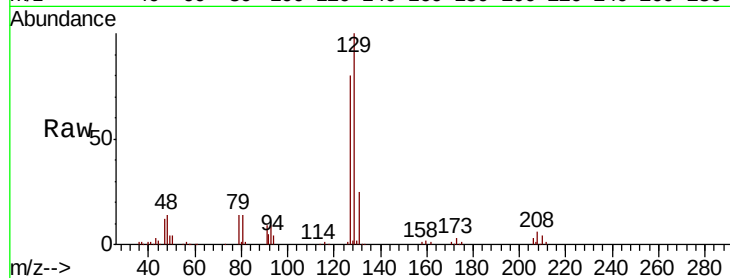
ClientSampled :

Tot Ion:129 Resp: 188802

Ion Ratio Lower Upper

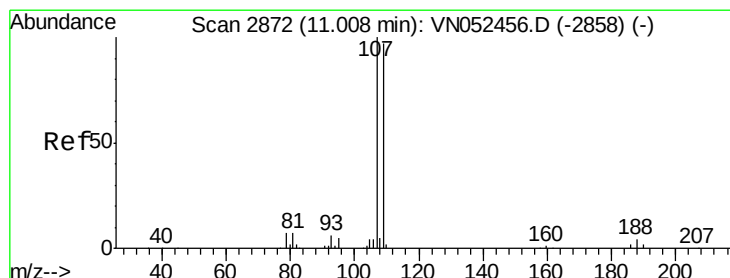
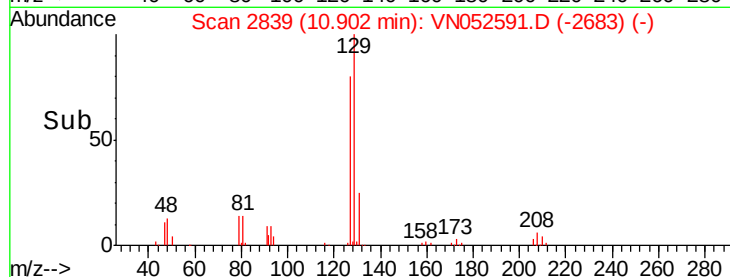
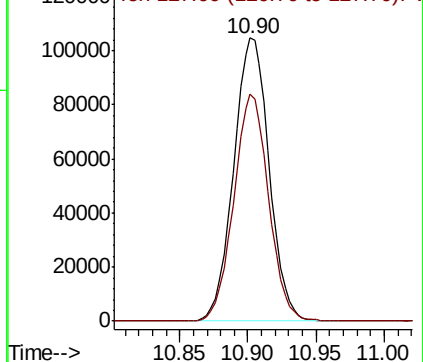
129 100

127 78.6 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.092 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052591.D

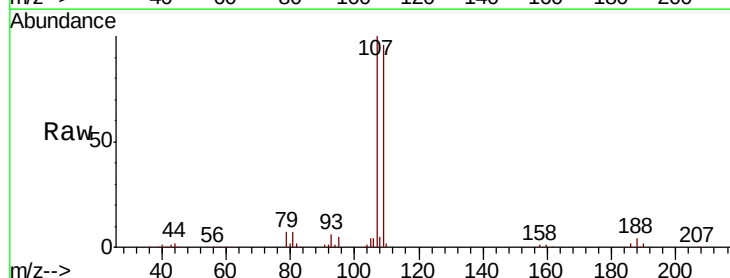
Acq: 30 Nov 2018 3:43

Tgt Ion:107 Resp: 175126

Ion Ratio Lower Upper

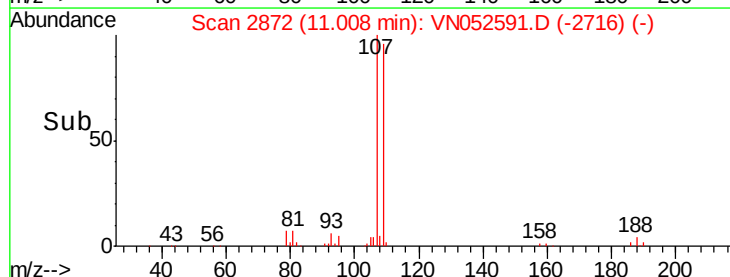
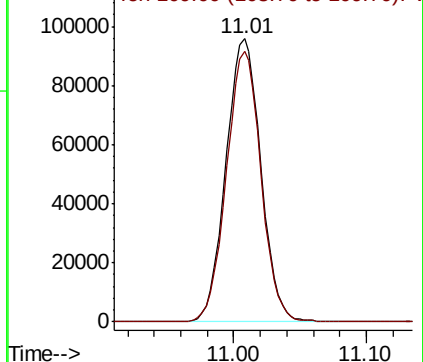
107 100

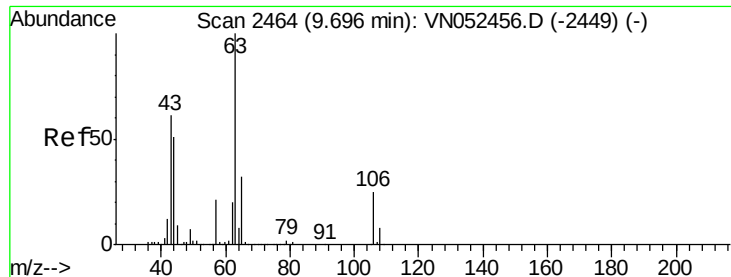
109 94.5 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

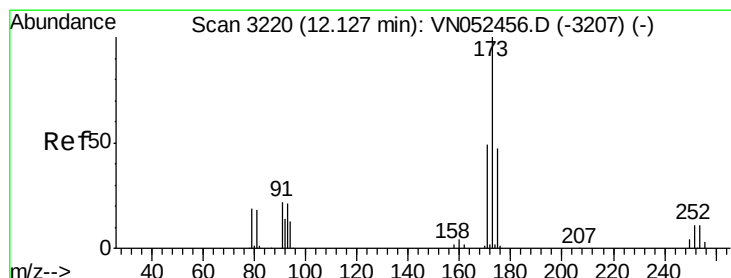
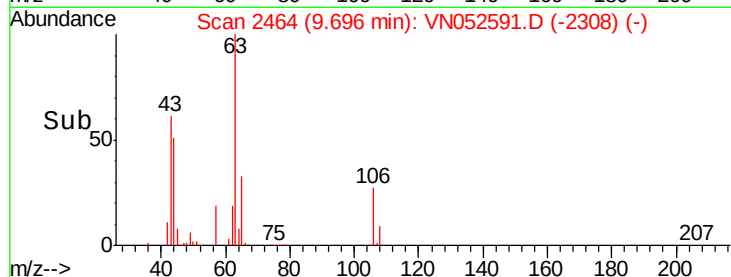
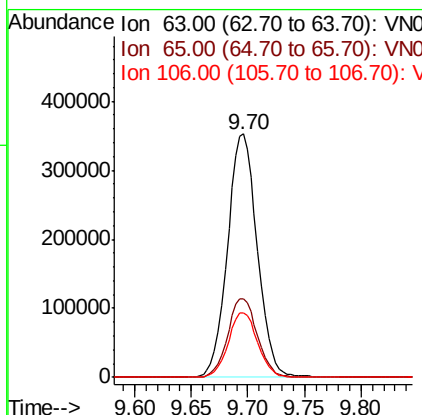
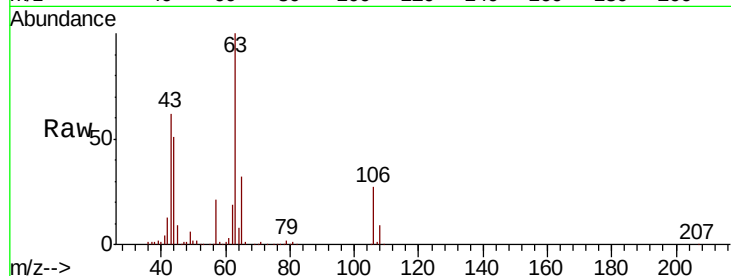




#55
 2-Chloroethyl vinyl ether
 Concen: 98.158 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

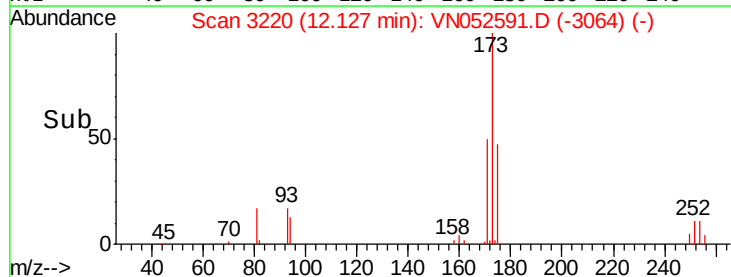
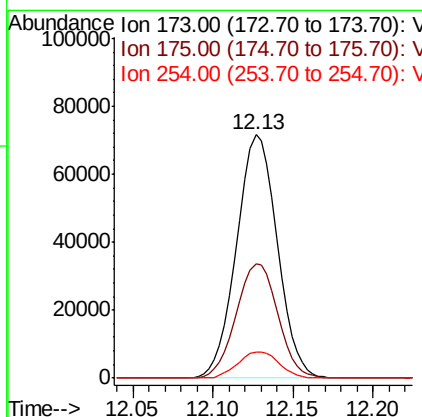
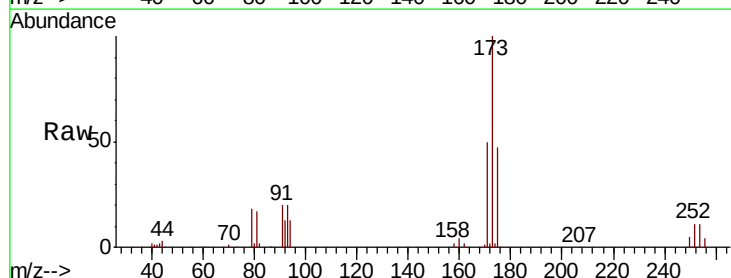
Instrument :
 MSVOA_N
 ClientSampled :

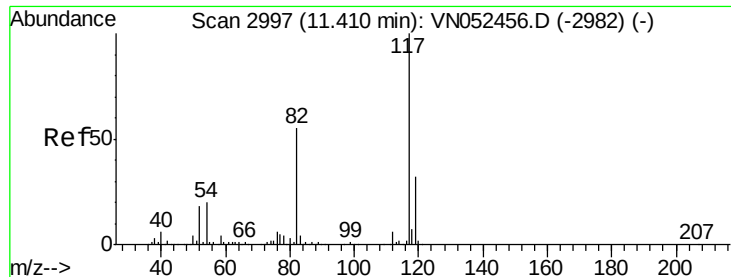
Tot Ion: 63 Resp: 643671
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.4 38.2
 106 26.4 20.4 30.6



#56
 Bromoform
 Concen: 19.367 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion: 173 Resp: 124314
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.7 58.1
 254 10.9 8.4 12.6





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampled :

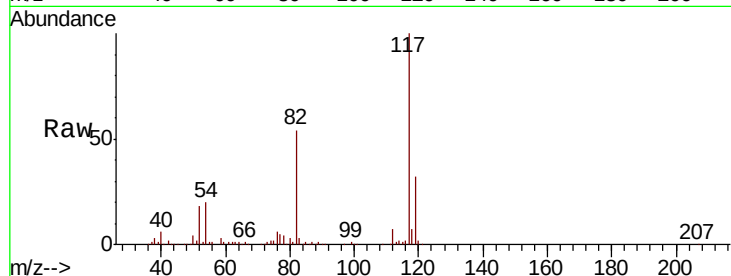
Tot Ion:117 Resp: 823680

Ion Ratio Lower Upper

117 100

82 53.9 44.2 66.2

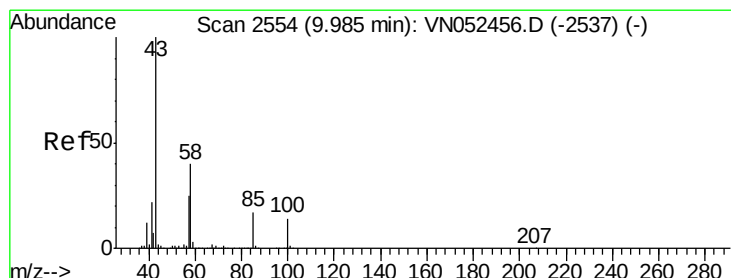
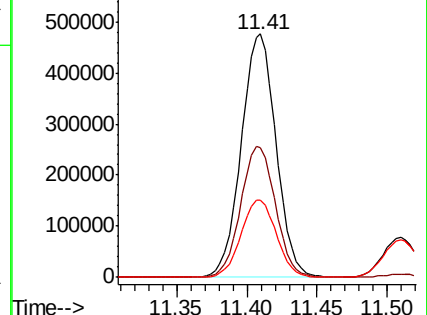
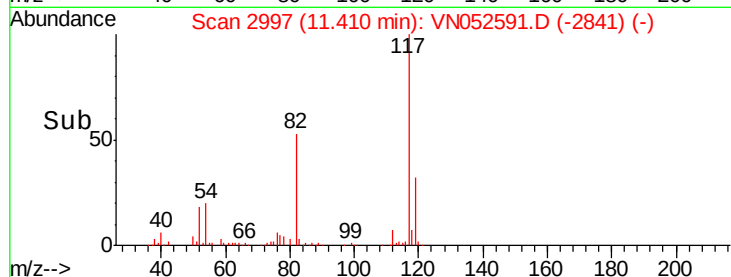
119 32.3 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 103.018 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

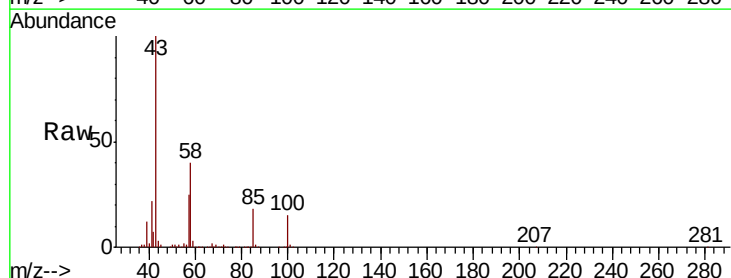
Tgt Ion: 43 Resp: 822637

Ion Ratio Lower Upper

43 100

58 39.4 31.6 47.4

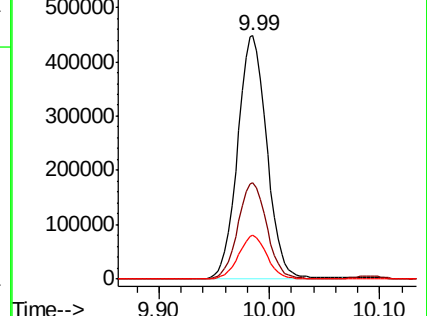
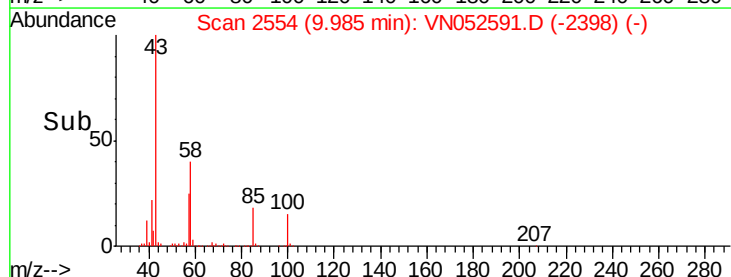
85 17.5 13.3 19.9

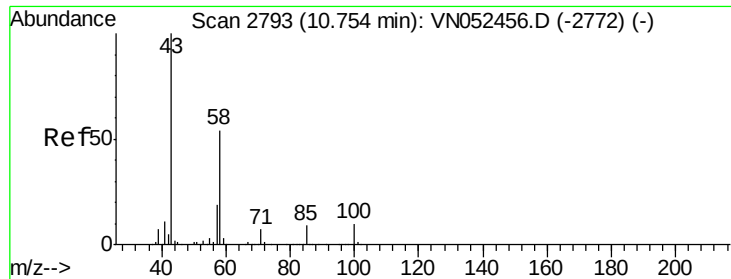


Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

Ion 85.00 (84.70 to 85.70): VN

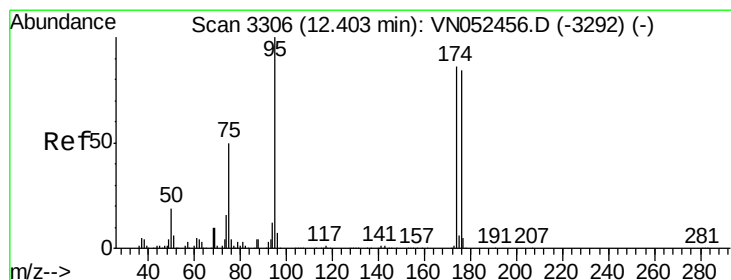
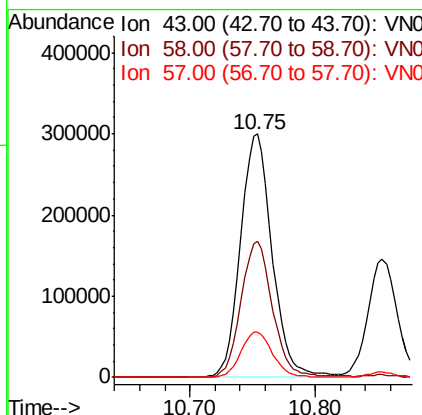
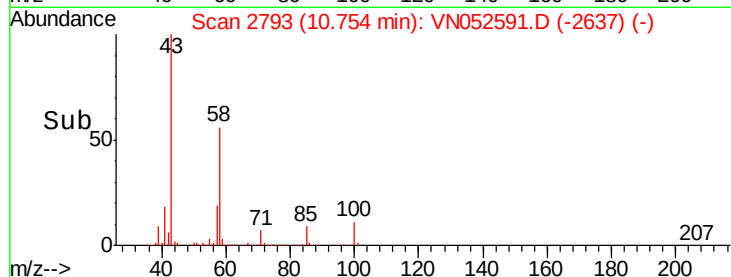
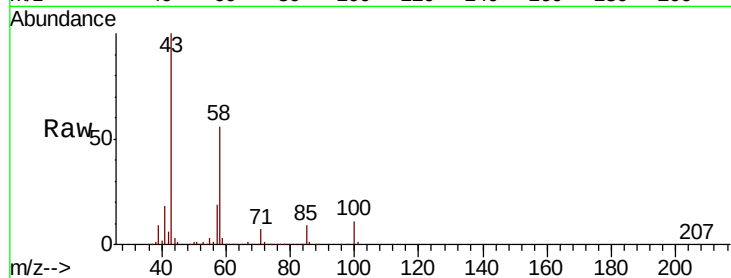




#59
2-Hexanone
Concen: 96.485 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

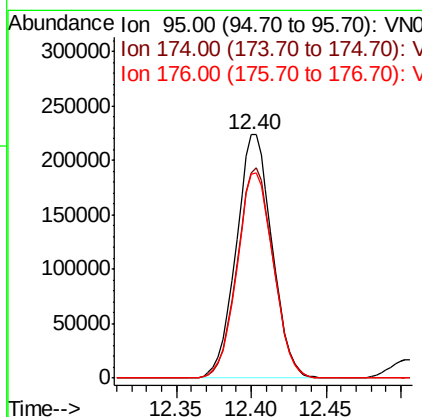
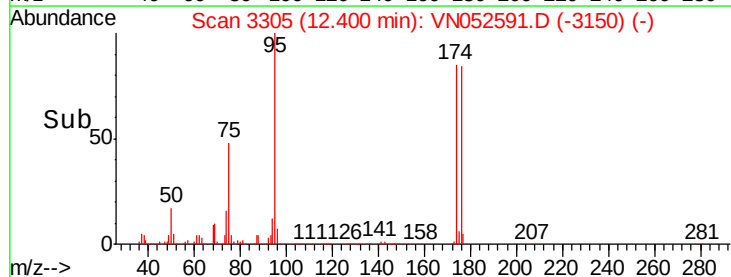
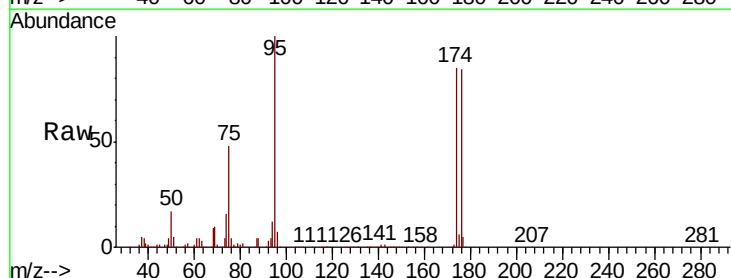
Instrument :
MSVOA_N
ClientSampleId :

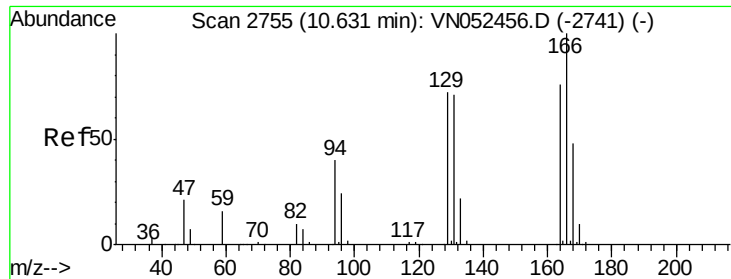
Tot Ion	Ratio	Lower	Upper
43	100		
58	56.0	43.2	64.8
57	18.9	14.9	22.3



#60
4-Bromofluorobenzene
Concen: 96.485 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.8	67.9	101.9
176	85.1	66.4	99.6





#61

Tetrachloroethene

Concen: 21.169 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 214753

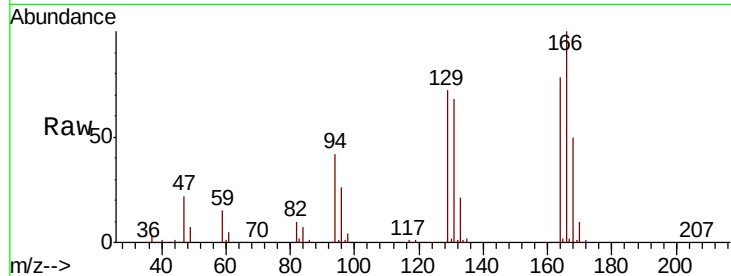
Ion Ratio Lower Upper

164 100

166 127.5 104.6 157.0

129 91.7 75.3 112.9

131 86.7 74.3 111.5

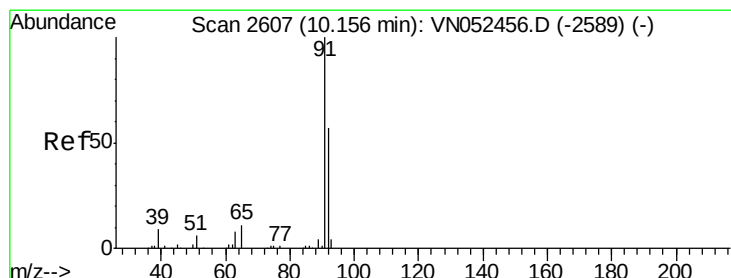
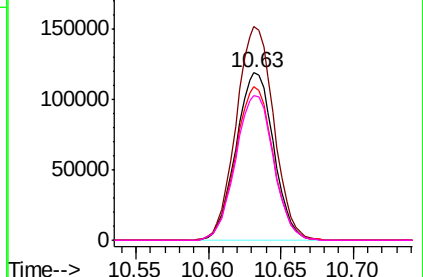
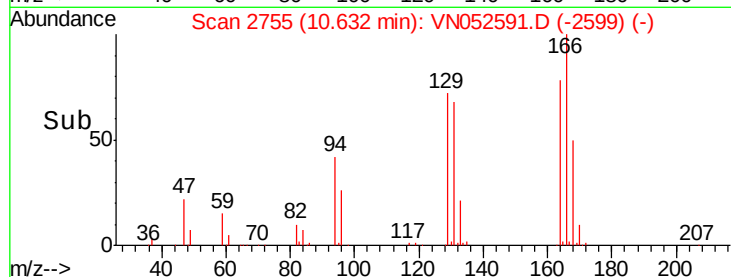


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.454 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052591.D

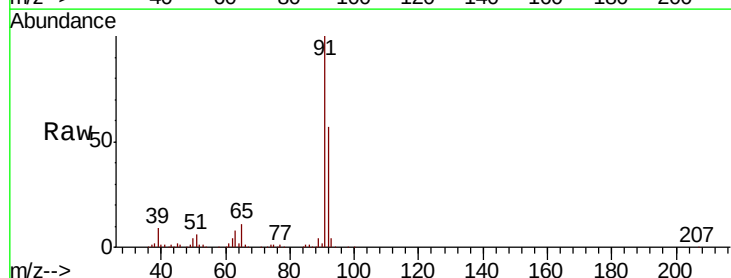
Acq: 30 Nov 2018 3:43

Tgt Ion: 91 Resp: 883348

Ion Ratio Lower Upper

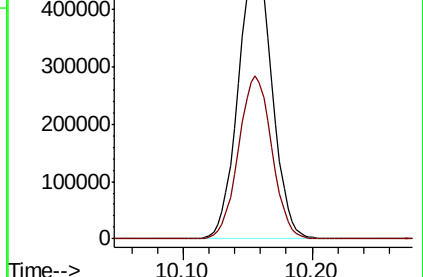
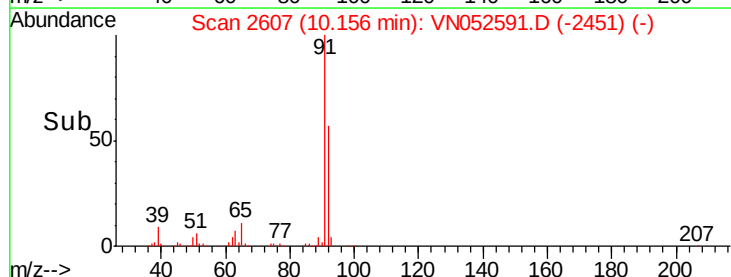
91 100

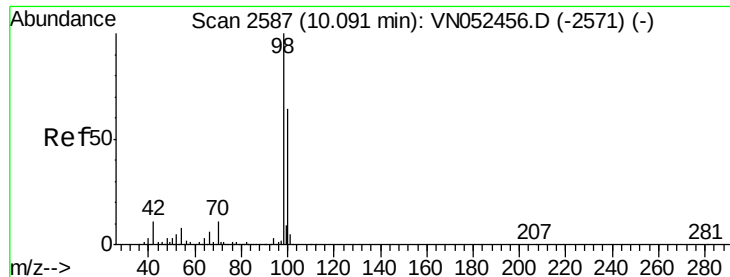
92 57.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.454 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

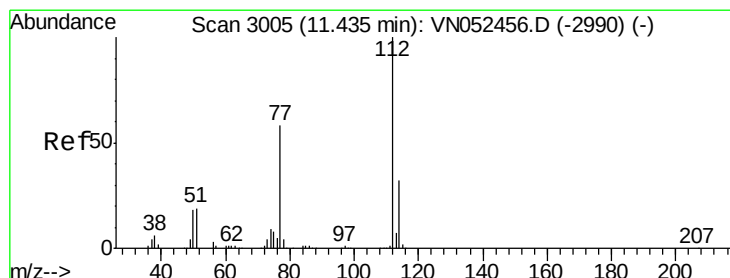
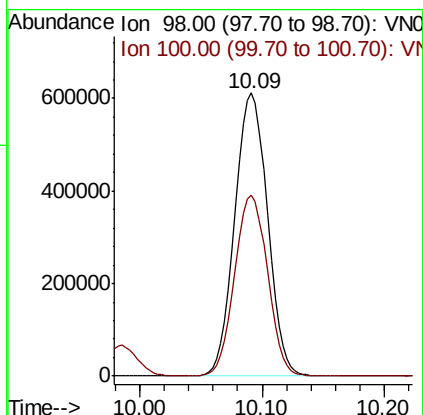
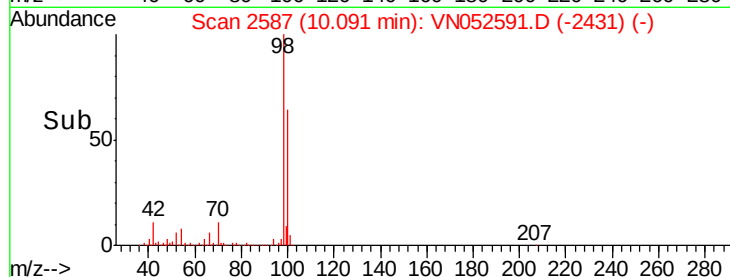
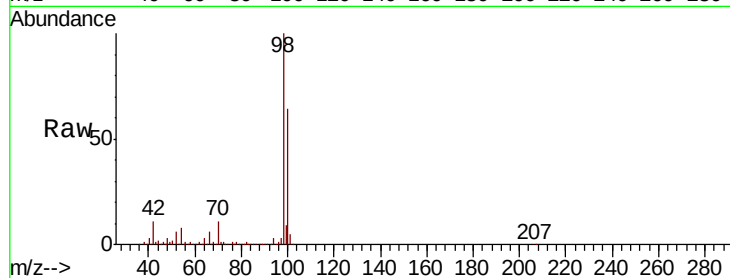
ClientSampleId :

Tot Ion: 98 Resp: 1140324

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



#64

Chlorobenzene

Concen: 19.470 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052591.D

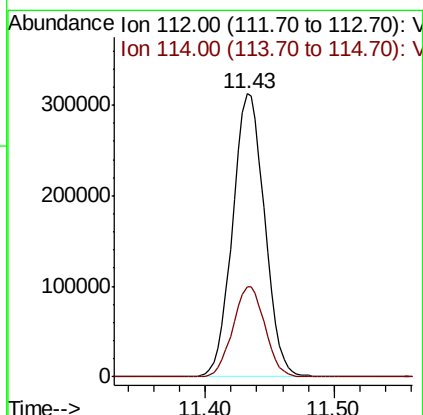
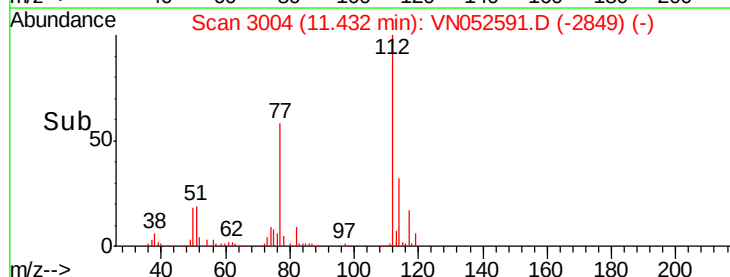
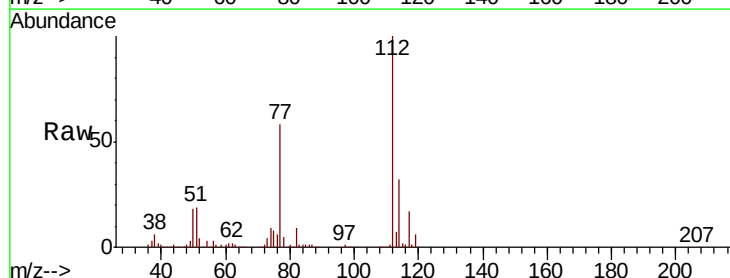
Acq: 30 Nov 2018 3:43

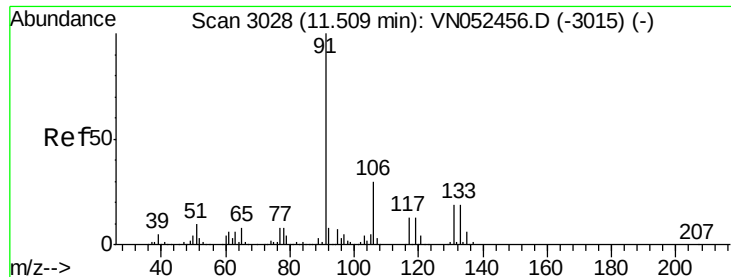
Tgt Ion: 112 Resp: 539607

Ion Ratio Lower Upper

112 100

114 31.6 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.711 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampled :

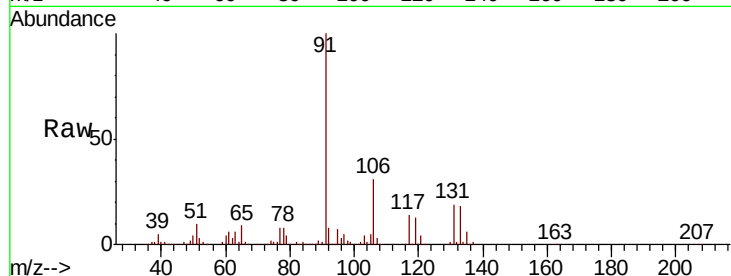
Tot Ion:131 Resp: 189622

Ion Ratio Lower Upper

131 100

133 94.4 0.0 193.4

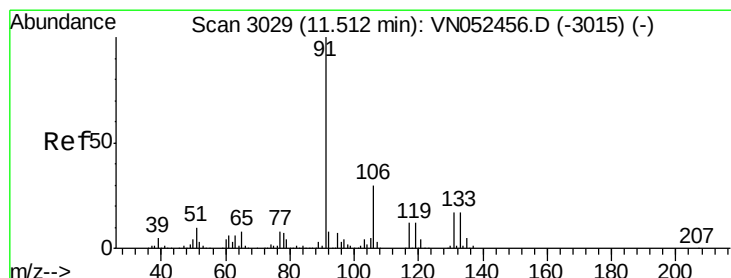
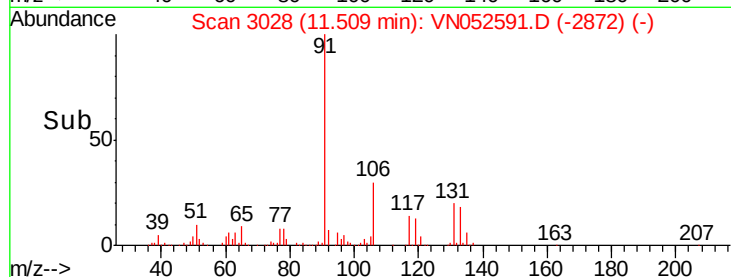
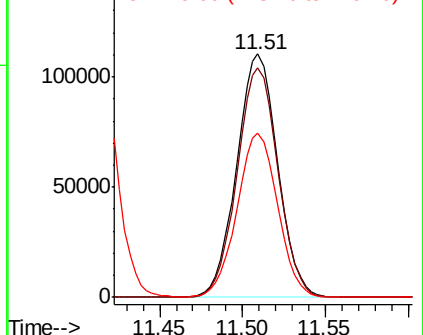
119 67.0 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.348 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052591.D

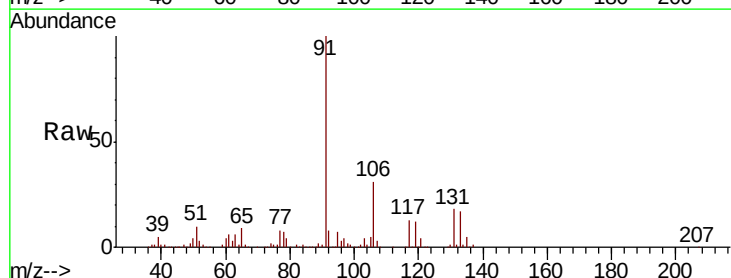
Acq: 30 Nov 2018 3:43

Tgt Ion: 91 Resp: 946882

Ion Ratio Lower Upper

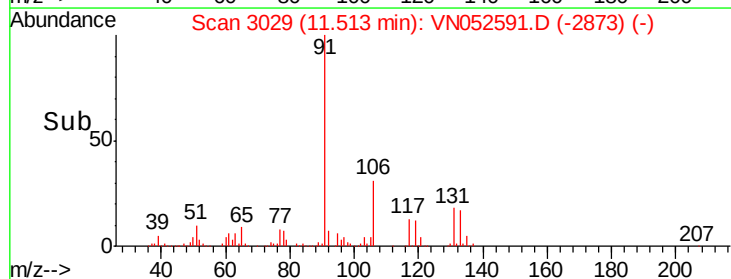
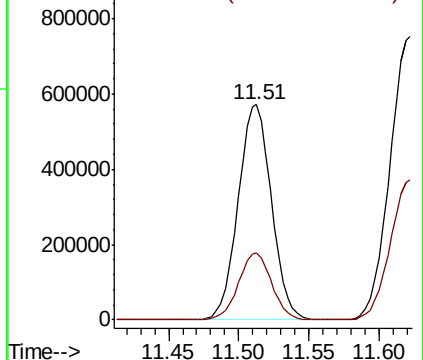
91 100

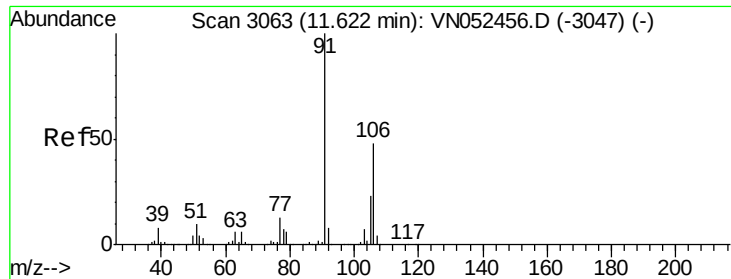
106 31.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.143 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

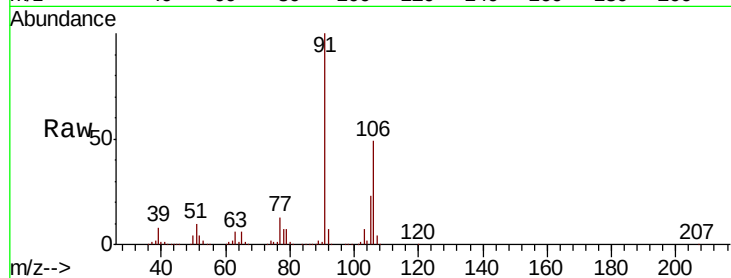
ClientSampleId :

Tot Ion:106 Resp: 713665

Ion Ratio Lower Upper

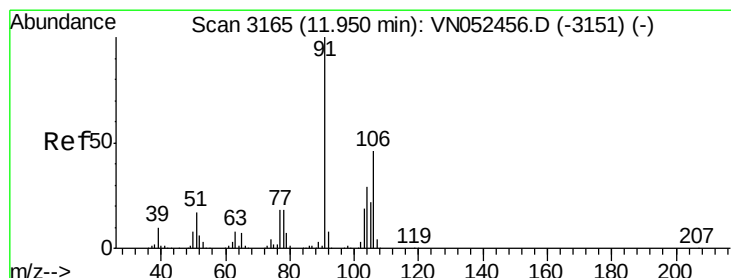
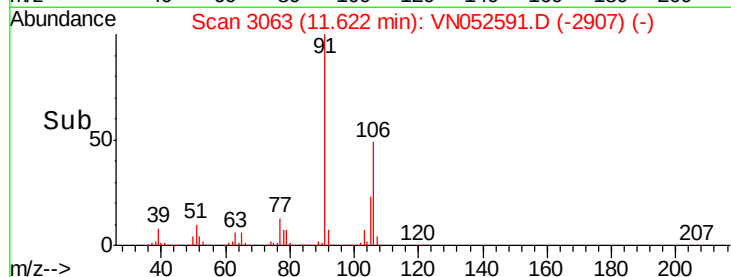
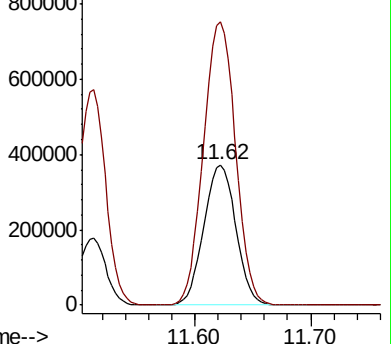
106 100

91 202.7 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.661 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN052591.D

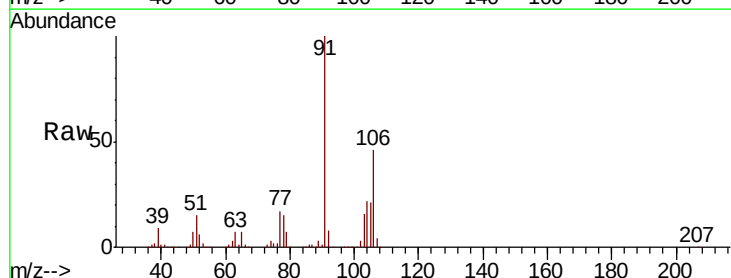
Acq: 30 Nov 2018 3:43

Tgt Ion:106 Resp: 347917

Ion Ratio Lower Upper

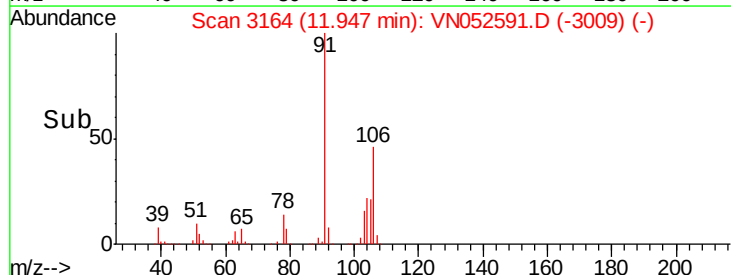
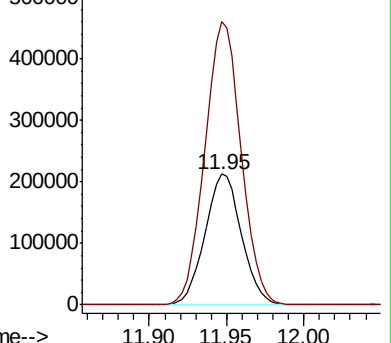
106 100

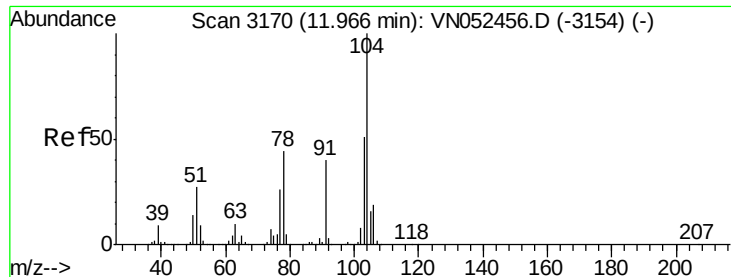
91 215.5 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

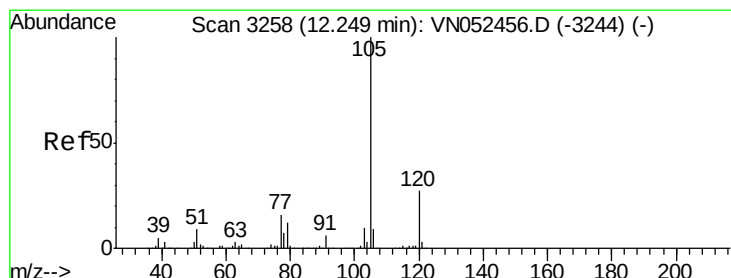
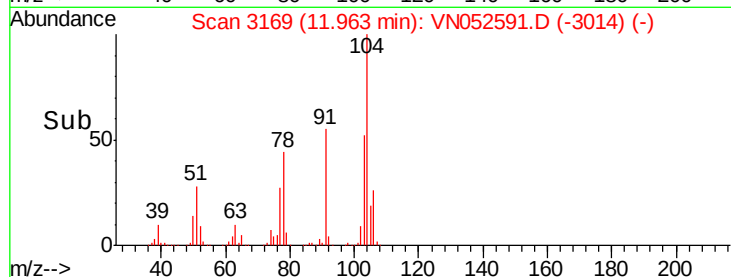
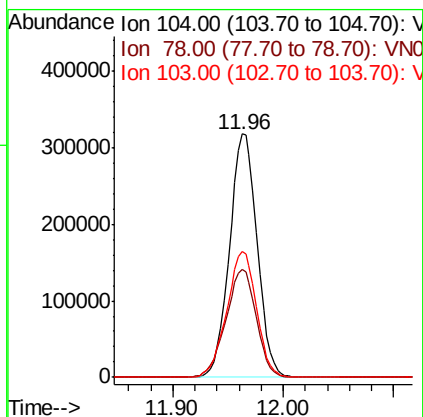
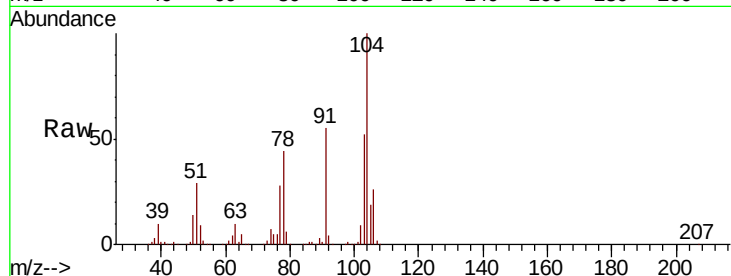




#69
Stvrene
Concen: 19.331 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

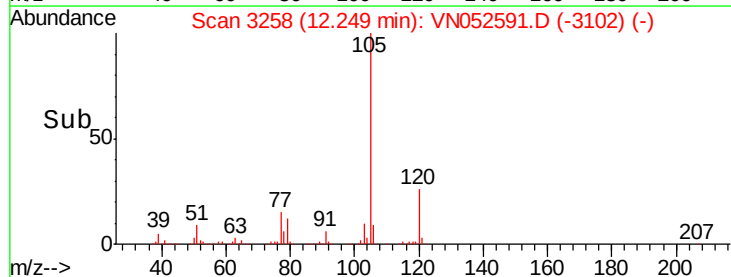
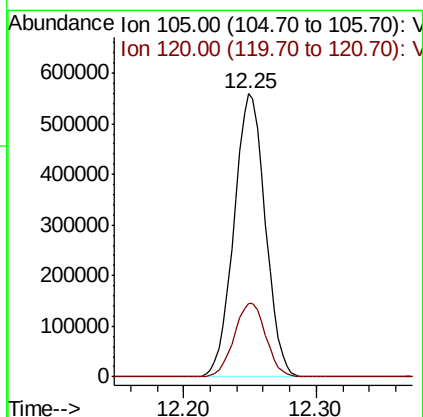
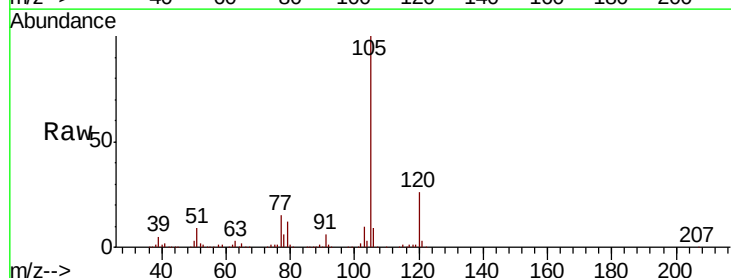
Instrument :
MSVOA_N
ClientSampled :

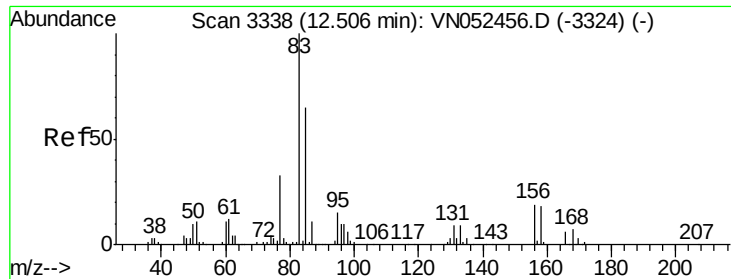
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.3	58.9
103	55.4	44.6	66.8



#70
Isopropylbenzene
Concen: 19.437 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.6	34.6

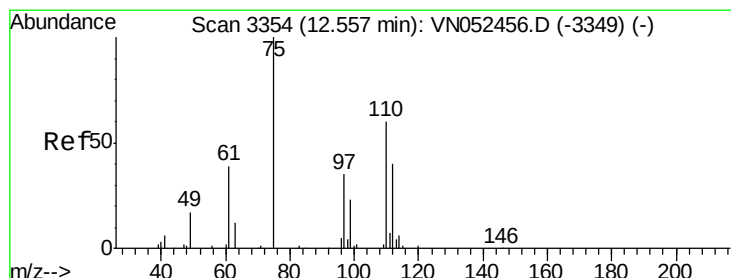
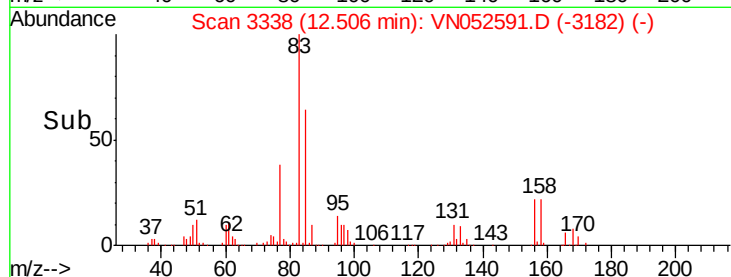
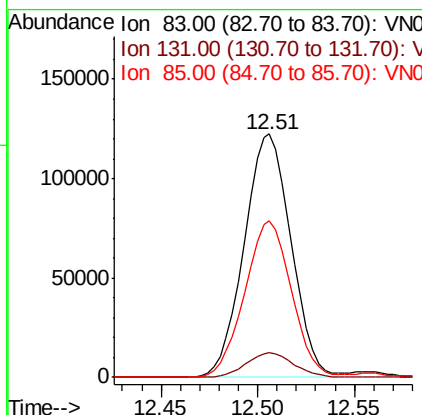
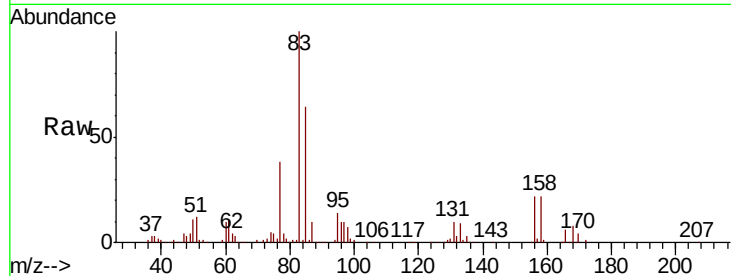




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.170 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

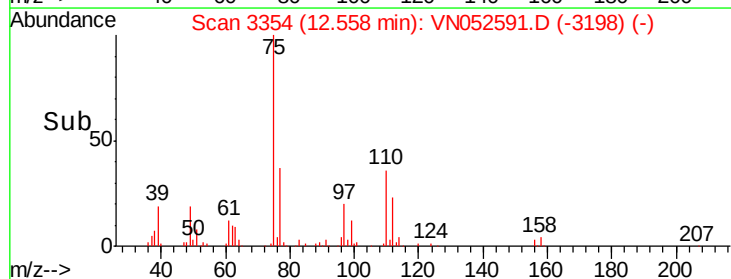
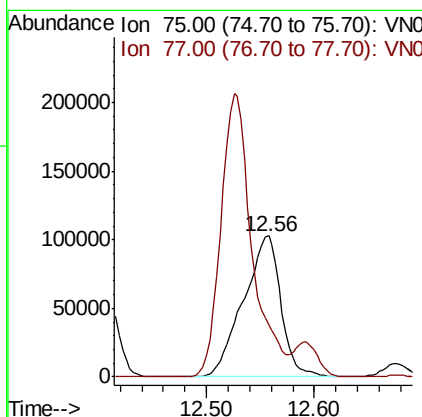
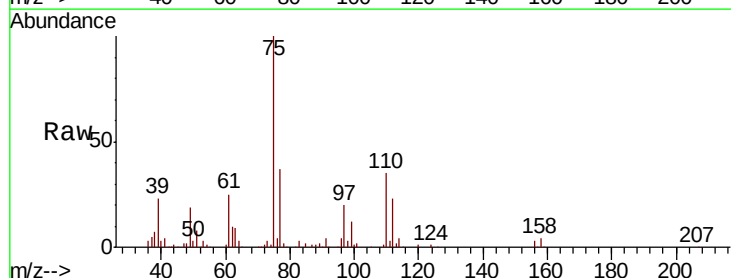
Instrument :
 MSVOA_N
 ClientSampleId :

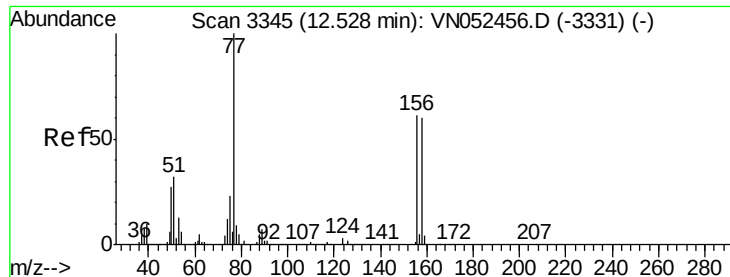
Tot Ion	83	Resp	206584
Ion Ratio	100	Lower	Upper
83	100		
131	10.3	4.9	14.6
85	64.0	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 28.325 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion	75	Resp	249042
Ion Ratio	100	Lower	Upper
75	100		
77	15.3	0.0	514.8





#73

Bromobenzene

Concen: 20.018 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampled :

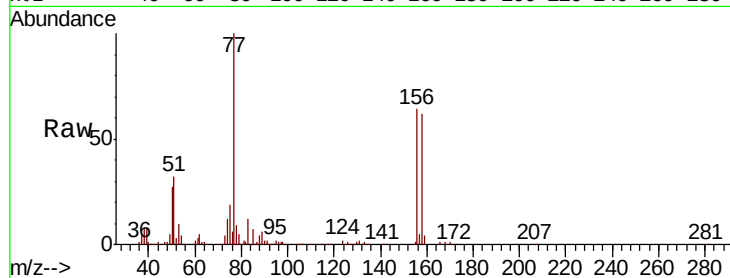
Tot Ion:156 Resp: 227957

Ion Ratio Lower Upper

156 100

77 181.0 0.0 382.6

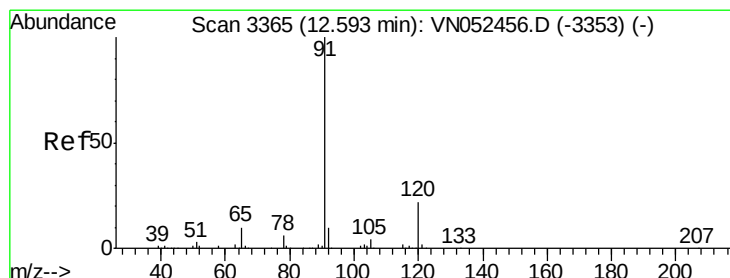
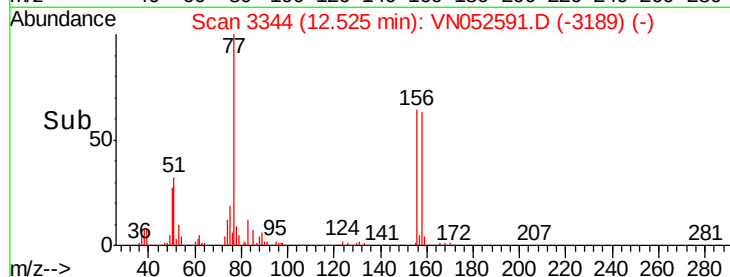
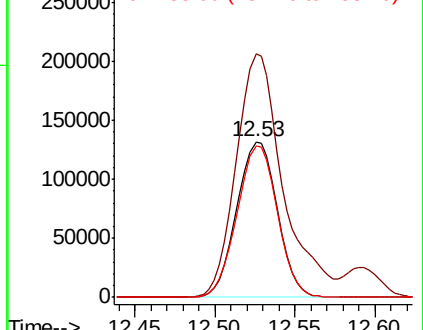
158 97.0 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.807 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052591.D

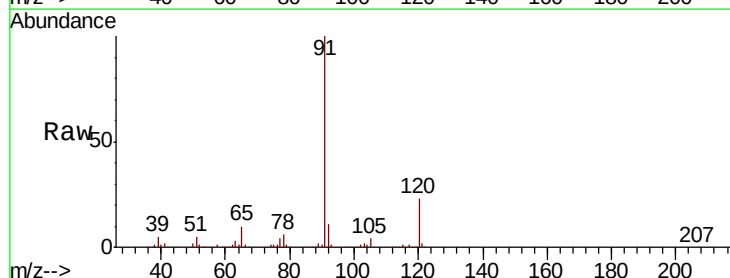
Acq: 30 Nov 2018 3:43

Tgt Ion: 91 Resp: 1031741

Ion Ratio Lower Upper

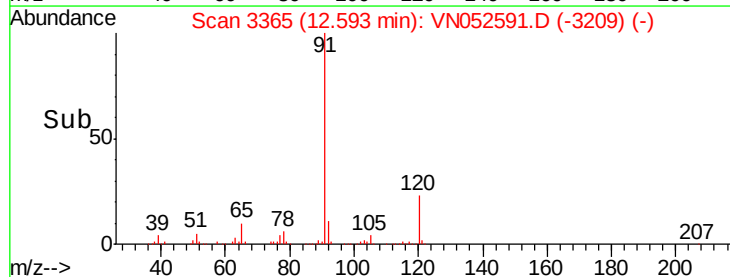
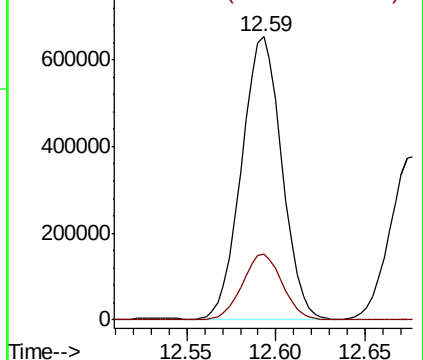
91 100

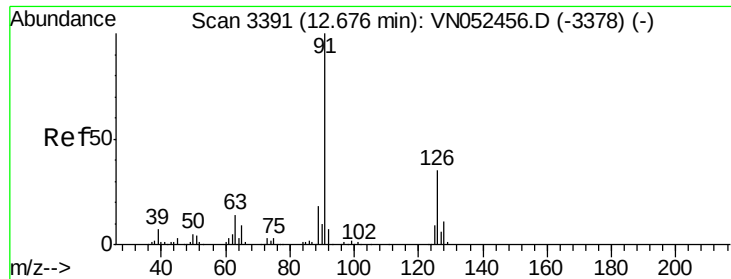
120 22.9 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.520 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

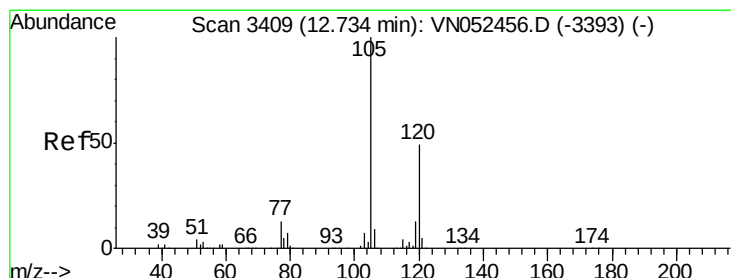
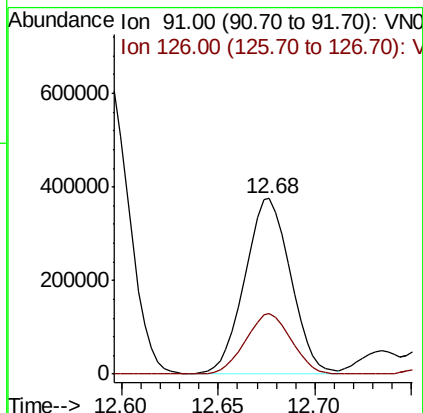
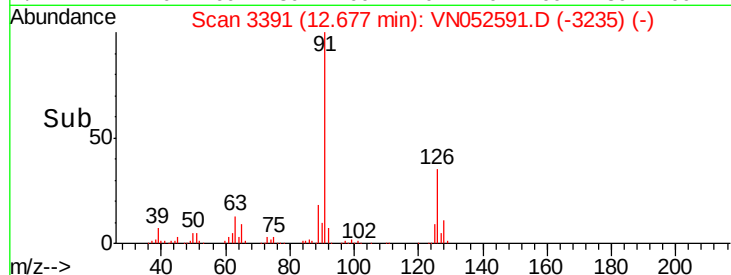
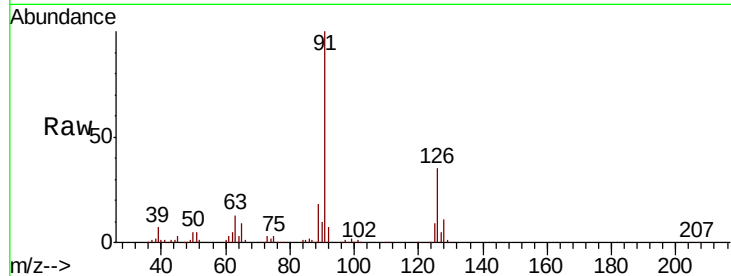
ClientSampleId :

Tot Ion: 91 Resp: 621579

Ion Ratio Lower Upper

91 100

126 34.6 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 19.553 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052591.D

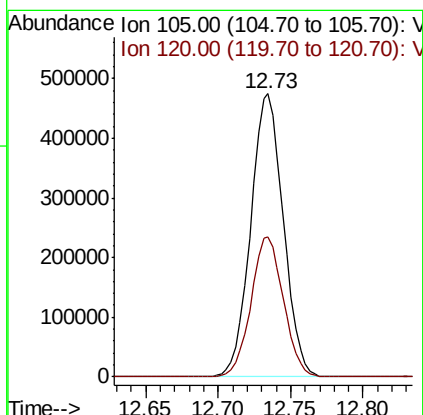
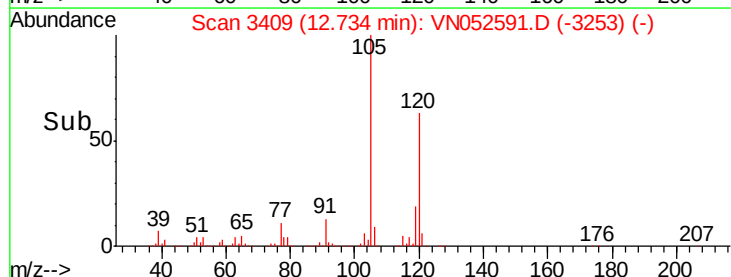
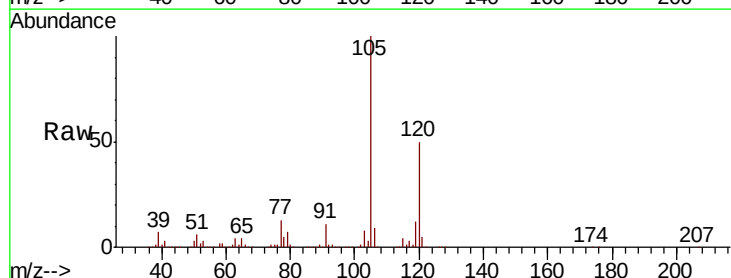
Acq: 30 Nov 2018 3:43

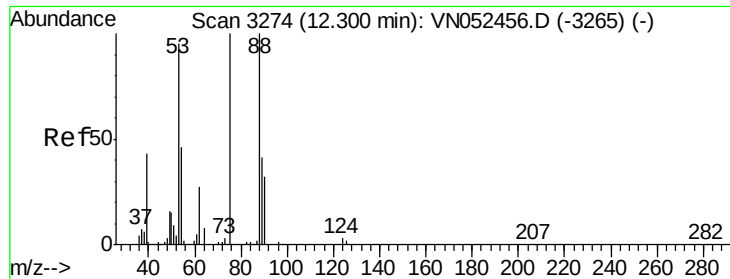
Tgt Ion: 105 Resp: 743614

Ion Ratio Lower Upper

105 100

120 48.9 0.0 97.4



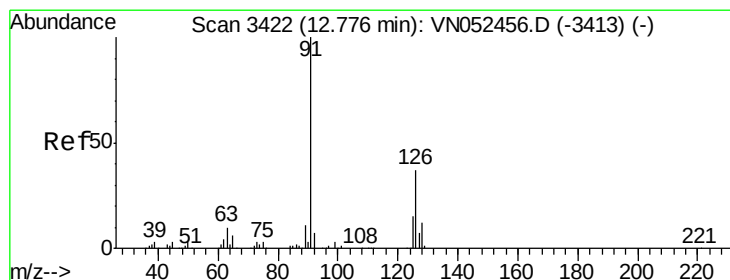
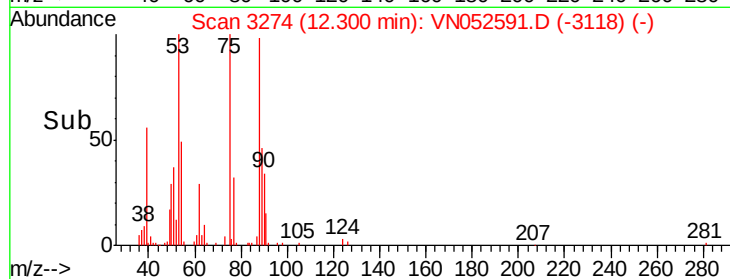
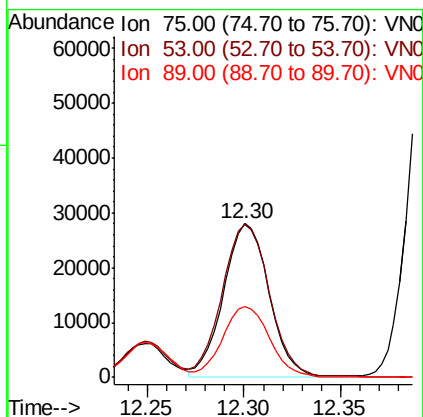
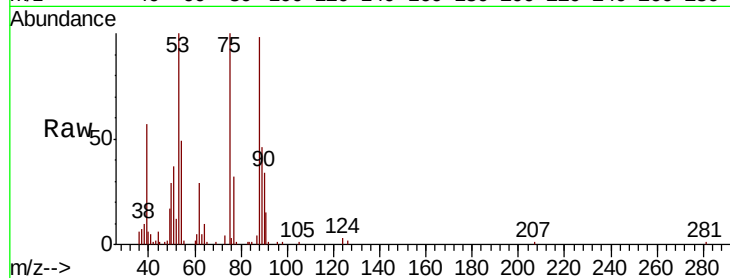


#77
t-1,4-Dichloro-2-butene
Concen: 16.644 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 46228

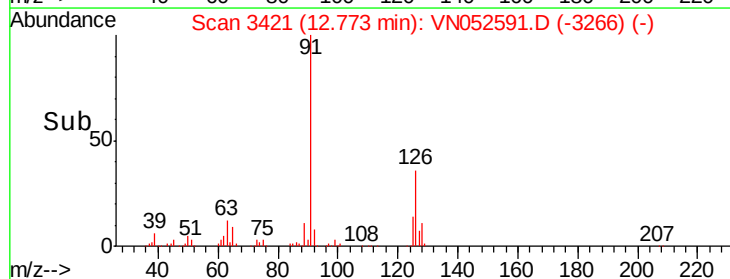
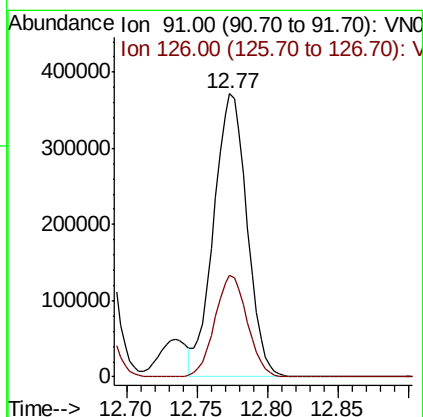
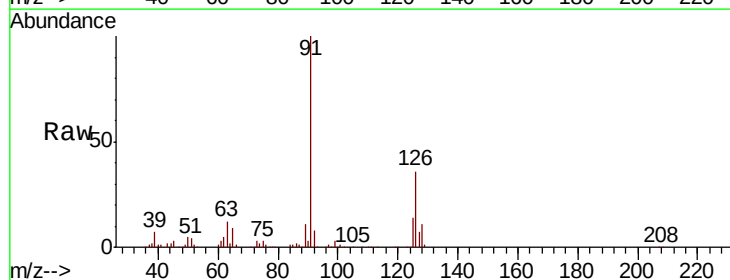
Ion	Ratio	Lower	Upper
75	100		
53	99.5	48.5	145.6
89	46.7	21.7	65.1

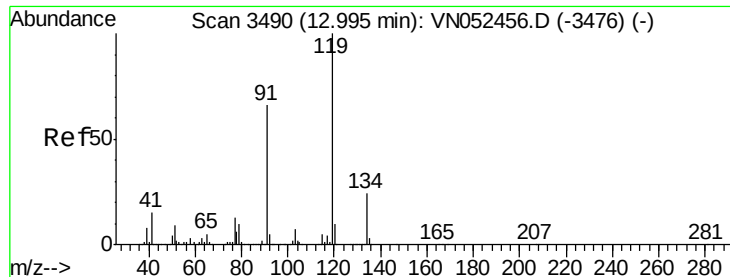


#78
4-Chlorotoluene
Concen: 19.169 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion: 91 Resp: 609565

Ion	Ratio	Lower	Upper
91	100		
126	34.9	0.0	68.2

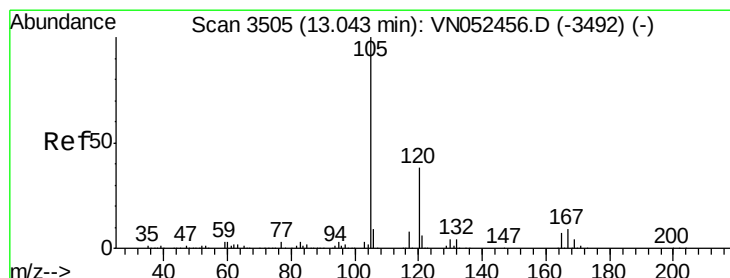
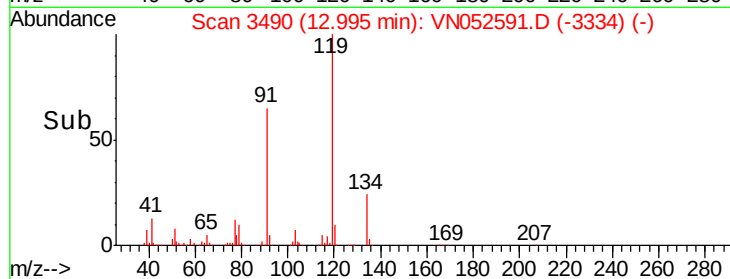
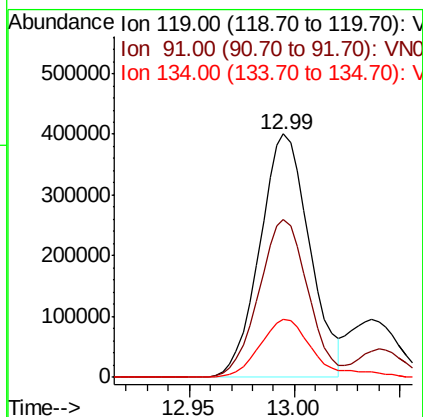
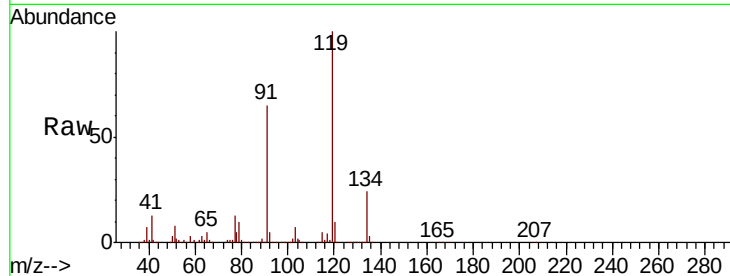




#79
tert-butylbenzene
Concen: 19.850 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

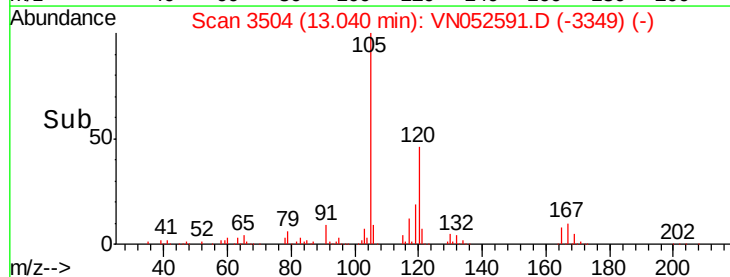
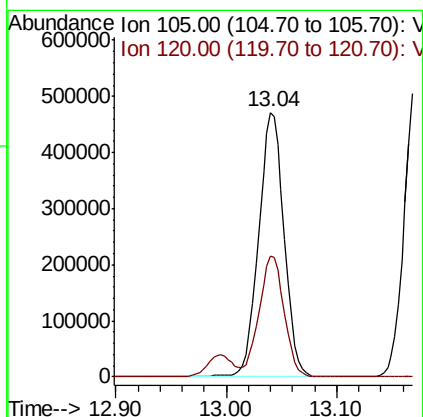
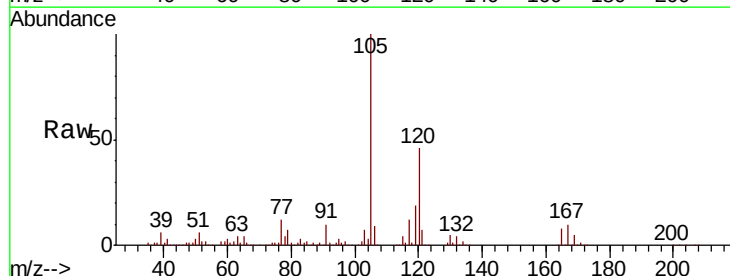
Instrument :
MSVOA_N
ClientSampled :

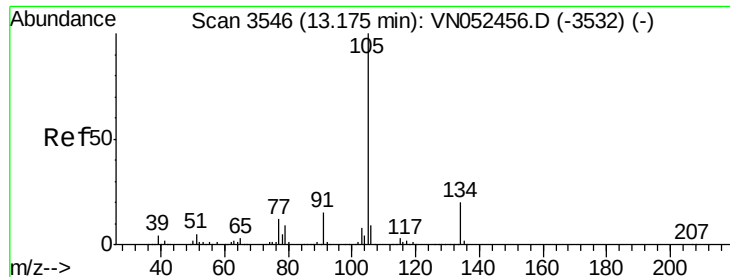
Tot Ion:119 Resp: 657431
Ion Ratio Lower Upper
119 100
91 64.1 0.0 129.8
134 25.8 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 19.761 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052591.D
Acq: 30 Nov 2018 3:43

Tgt Ion:105 Resp: 751979
Ion Ratio Lower Upper
105 100
120 45.5 0.0 91.0





#81

sec-Butylbenzene

Concen: 19.075 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

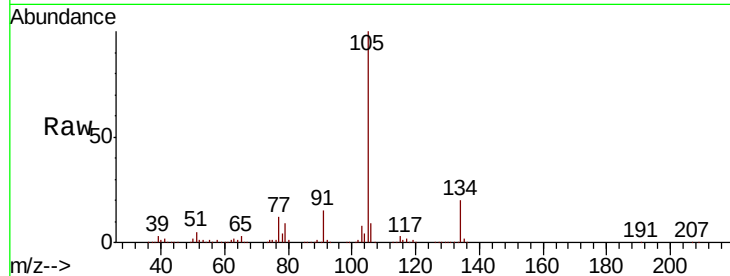
ClientSampleId :

Tot Ion:105 Resp: 879955

Ion Ratio Lower Upper

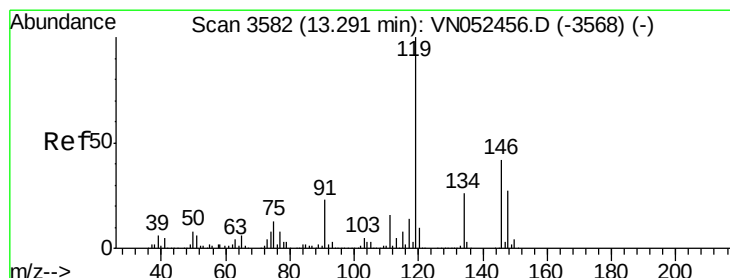
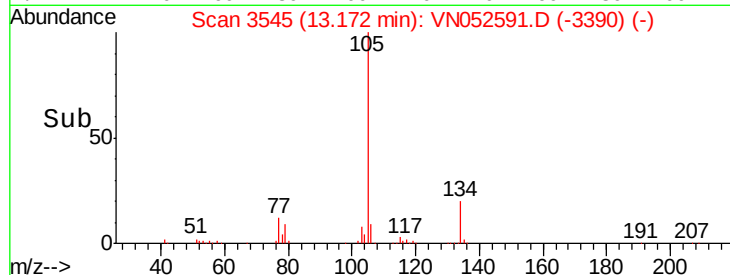
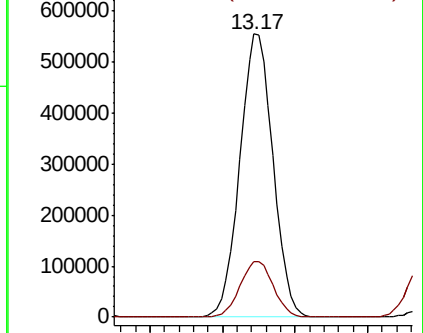
105 100

134 19.8 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.796 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

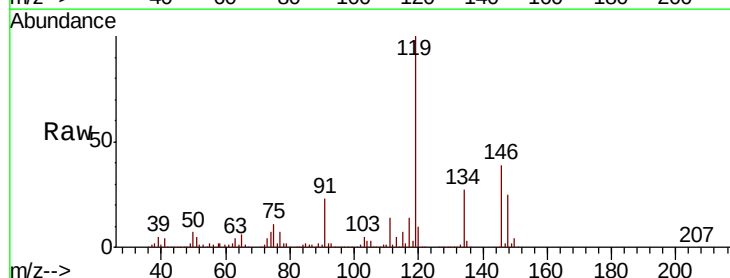
Tgt Ion:119 Resp: 738345

Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.6

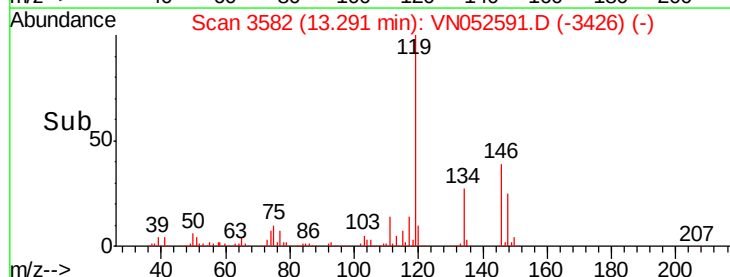
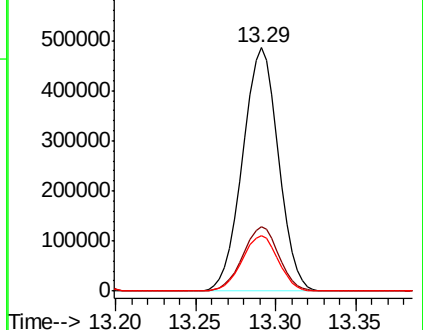
91 23.0 0.0 46.2

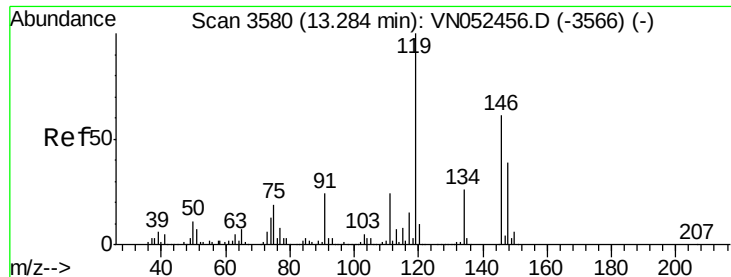


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 19.266 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

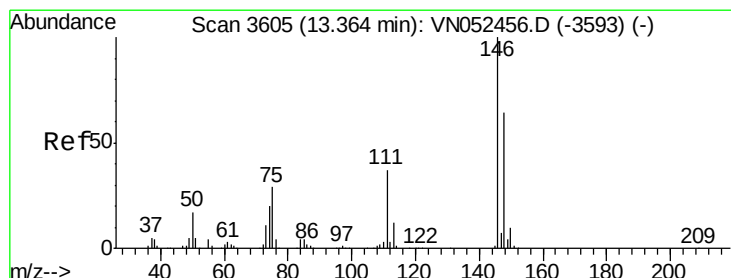
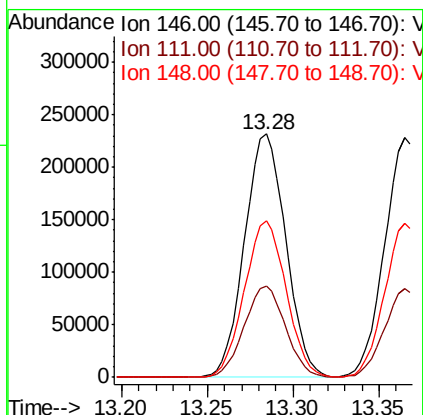
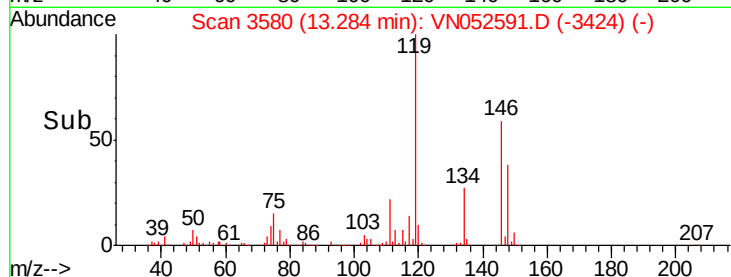
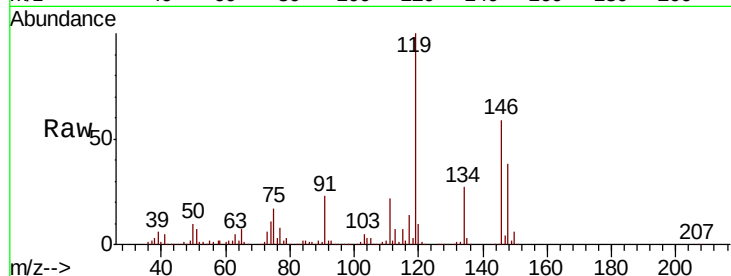
Tot Ion:146 Resp: 385864

Ion Ratio Lower Upper

146 100

111 37.4 19.7 59.0

148 64.8 32.3 96.8



#84

1,4-Dichlorobenzene

Concen: 19.266 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

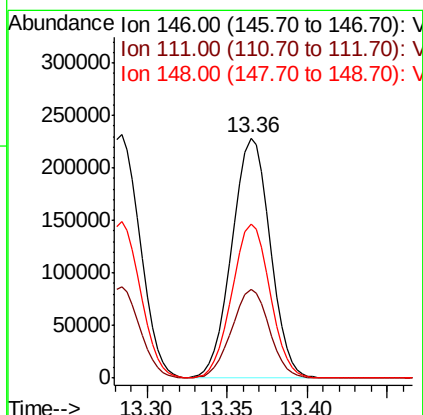
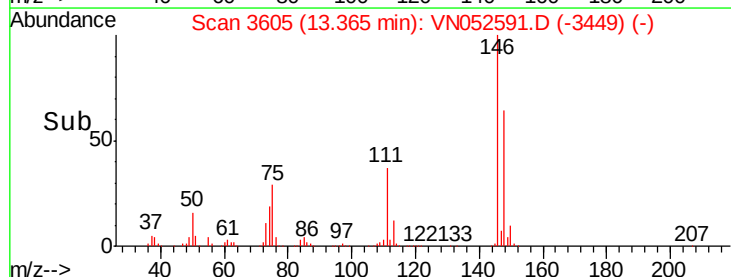
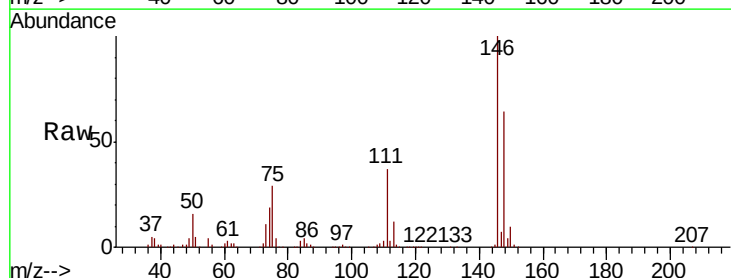
Tgt Ion:146 Resp: 372805

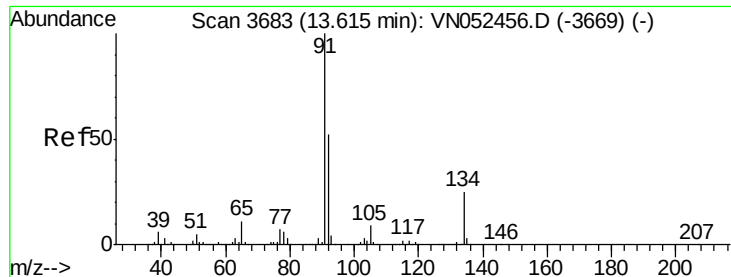
Ion Ratio Lower Upper

146 100

111 36.4 18.8 56.3

148 63.9 32.5 97.4





#85

n-Butylbenzene

Concen: 17.587 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

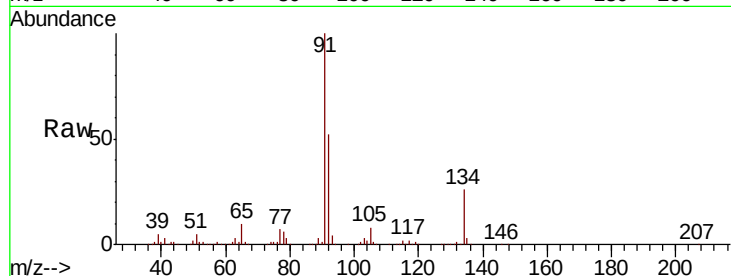
Tot Ion: 91 Resp: 593419

Ion Ratio Lower Upper

91 100

92 51.3 0.0 104.2

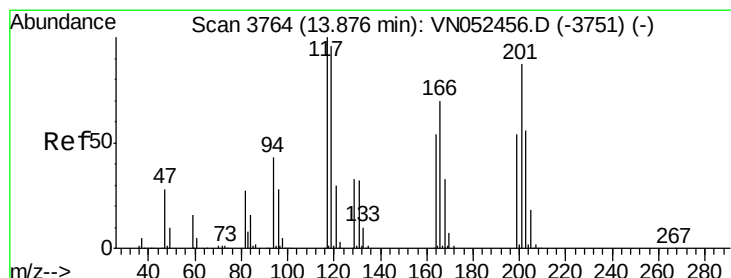
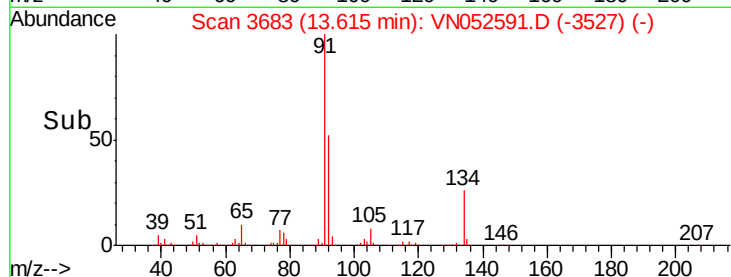
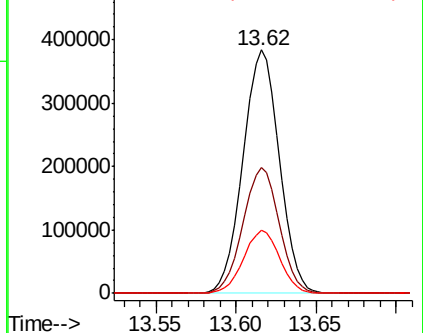
134 25.8 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN052456.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN052456.D (-3669) (-)



#86

Hexachloroethane

Concen: 18.488 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052591.D

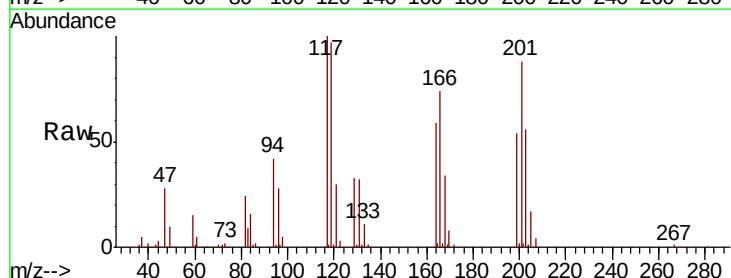
Acq: 30 Nov 2018 3:43

Tgt Ion: 117 Resp: 123048

Ion Ratio Lower Upper

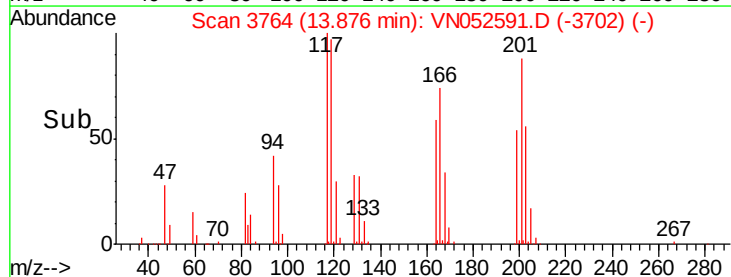
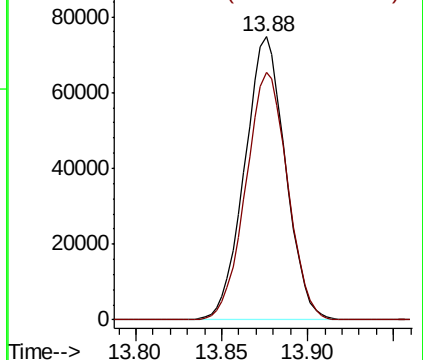
117 100

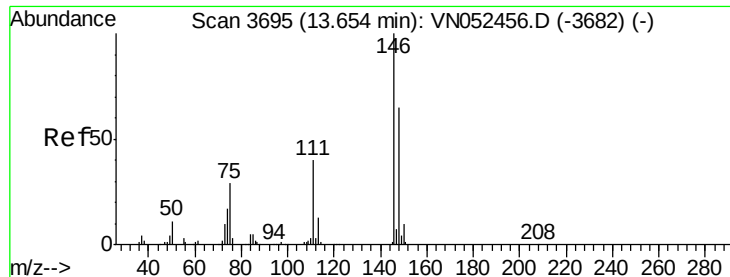
201 89.1 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN052456.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052456.D (-3751) (-)

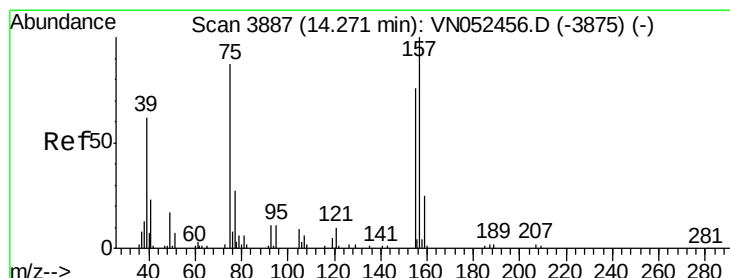
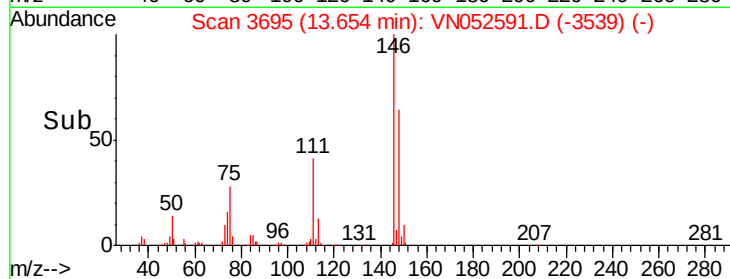
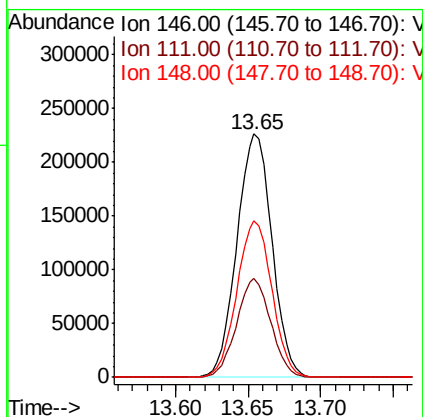
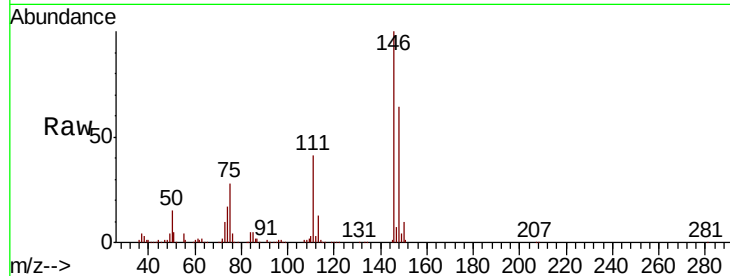




#87
 1,2-Dichlorobenzene
 Concen: 20.021 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

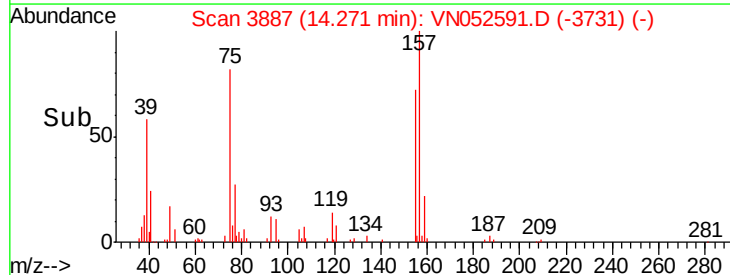
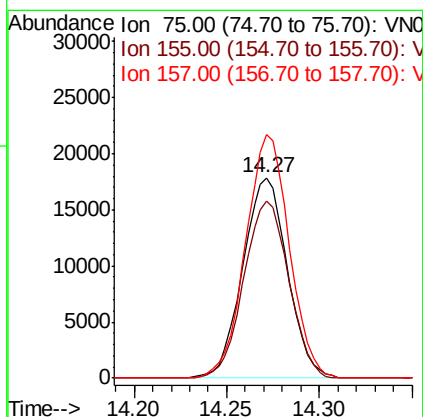
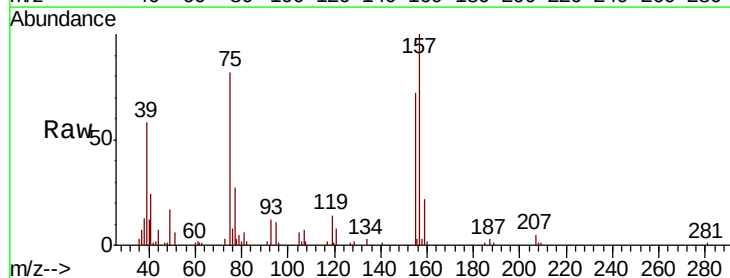
Instrument :
 MSVOA_N
 ClientSampleId :

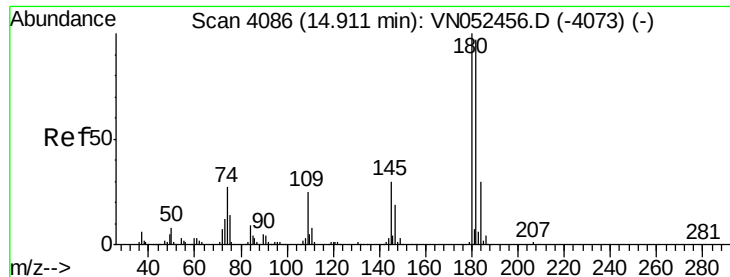
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.8
148	64.1	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.891 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	72.2	108.2
157	118.9	94.2	141.2

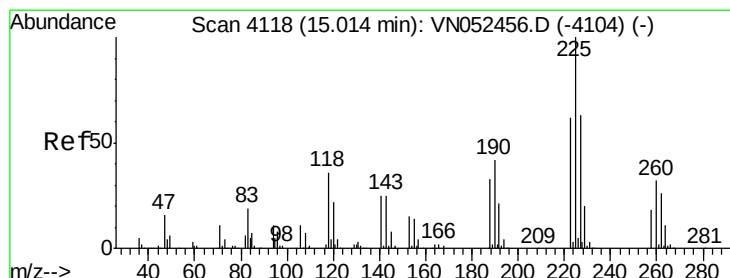
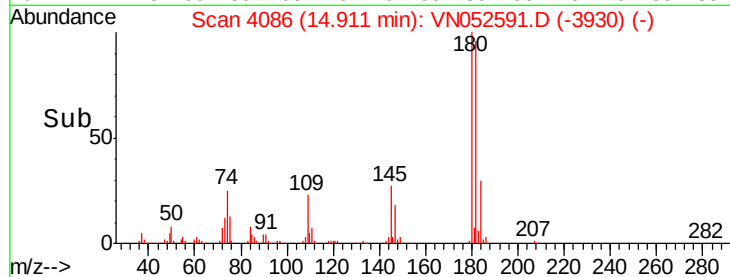
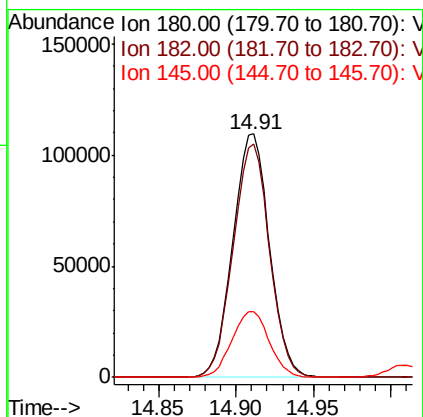
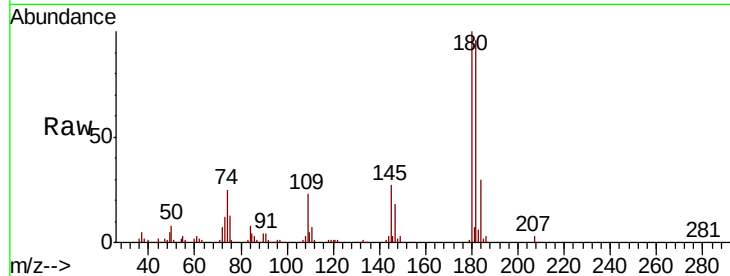




#89
 1,2,4-Trichlorobenzene
 Concen: 19.194 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

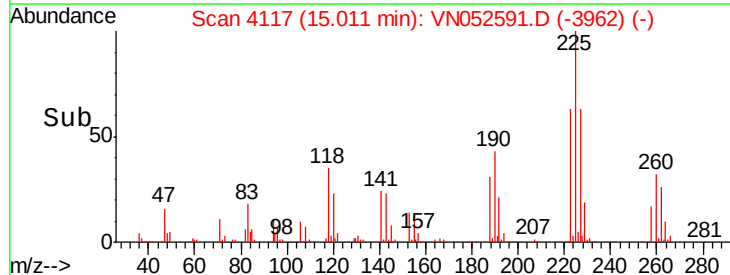
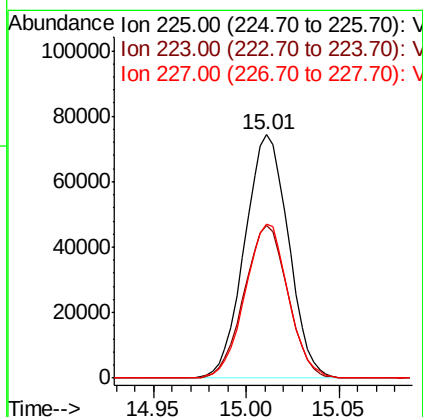
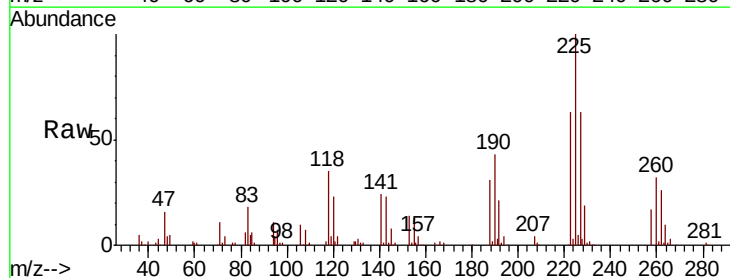
Instrument :
 MSVOA_N
 ClientSampled :

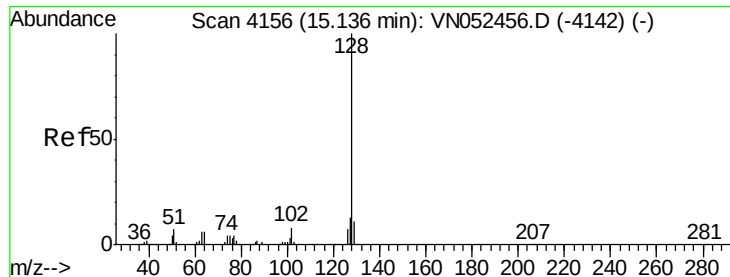
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.6	114.8
145	27.5	23.6	35.4



#90
 Hexachlorobutadiene
 Concen: 19.856 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052591.D
 Acq: 30 Nov 2018 3:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	125.6
227	62.2	0.0	127.8





#91

Naphthalene

Concen: 20.135 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

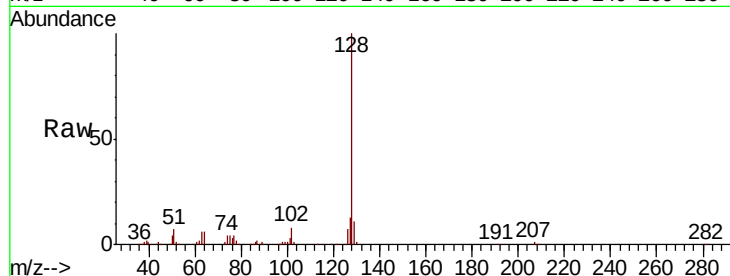
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 381807

Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.9	14.9
129	10.9	8.5	12.7

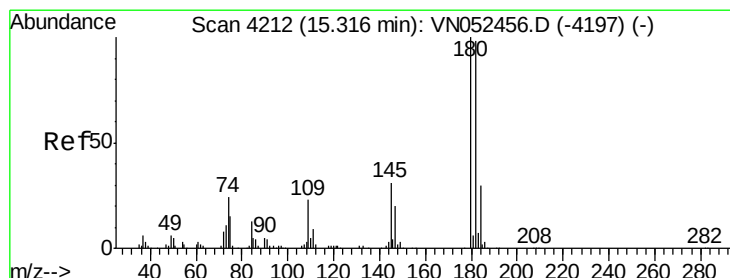
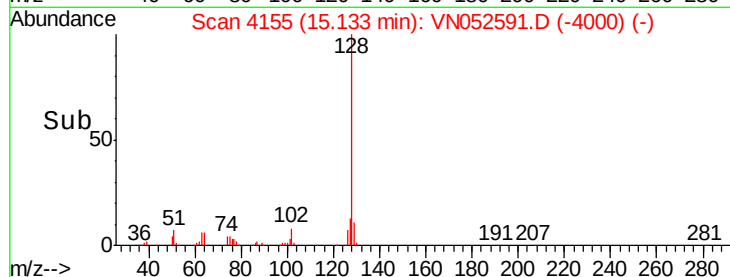
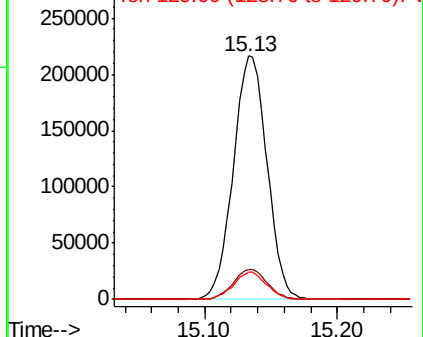


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 20.279 ug/l

RT: 15.32 min Scan# 4212

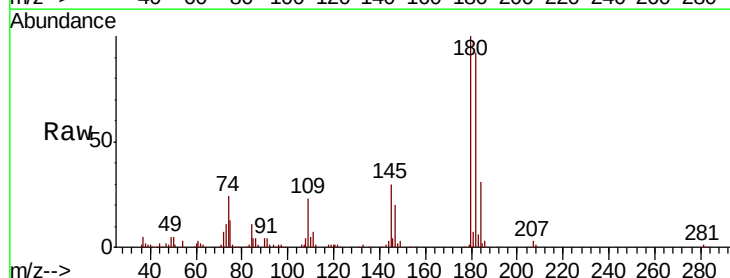
Delta R.T. 0.00 min

Lab File: VN052591.D

Acq: 30 Nov 2018 3:43

Tgt Ion:180 Resp: 175485

Ion	Ratio	Lower	Upper
180	100		
182	93.7	0.0	196.2
145	30.5	0.0	62.2



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

