

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052014.D
 Acq On : 25 Oct 2018 16:57
 Operator : MD\SY
 Sample : VN1025WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

Quant Time: Oct 26 01:02:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	169371	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	968398	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	874177	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	291032	28.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.13%
60) 4-Bromofluorobenzene	12.40	95	355896	28.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.10%
63) Toluene-d8	10.09	98	1109410	29.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.43%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	143614	21.825	ug/l 100
3) Chloromethane	2.06	50	128254	18.442	ug/l 98
4) Vinyl Chloride	2.19	62	160309	15.436	ug/l 97
5) Bromomethane	2.57	94	165225	18.006	ug/l 86
6) Chloroethane	2.71	64	121695	16.260	ug/l 100
7) Trichlorofluoromethane	3.02	101	307341	20.757	ug/l 96
8) Diethyl Ether	3.42	74	89312	20.721	ug/l 69
9) 1,1,2-Trichlorotrifluoroet	3.76	101	191512	22.712	ug/l # 39
10) 1,1-Dichloroethene	3.74	96	168340	21.588	ug/l # 80
11) Methyl Iodide	3.96	142	285359	25.173	ug/l 96
13) Acrolein	3.69	56	243	0.762	ug/l 96
14) Acrylonitrile	4.99	53	214617	99.167	ug/l # 62
15) Acetone	3.81	58	46449	86.821	ug/l 98
16) Carbon Disulfide	4.06	76	359328	17.546	ug/l 99
17) Allvl chloride	4.33	41	159115	17.187	ug/l 74
18) Methylene Chloride	4.56	84	193768	22.224	ug/l # 86
19) trans-1,2-Dichloroethene	5.05	96	192199	21.585	ug/l # 80
20) Diisopropyl ether	5.95	45	413061	20.033	ug/l # 81
21) 1,1-Dichloroethane	5.85	63	298056	20.688	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	228690	21.866	ug/l # 76
23) tert-Butyl Alcohol	4.77	59	19778	34.699	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	438640	19.524	ug/l # 69
25) Chloroform	7.37	83	367476	21.500	ug/l 95
26) Cyclohexane	7.66	56	232374	19.025	ug/l # 68
29) 1,1-Dichloropropene	7.80	75	255443	20.464	ug/l 93
30) 2-Butanone	6.84	43	221408	84.862	ug/l # 84
32) 1,1,1-Trichloroethane	7.57	97	328890	19.873	ug/l 94
33) Carbon Tetrachloride	7.78	117	296810	19.823	ug/l 89
34) Benzene	8.04	78	778547	21.085	ug/l # 65
35) Methacrylonitrile	7.18	41	50592	14.759	ug/l # 69
36) 1,2-Dichloroethane	8.12	62	243238	20.559	ug/l # 94
37) Trichloroethene	8.84	130	246999	21.549	ug/l 93
38) Methylcyclohexane	9.08	83	302516	18.895	ug/l 77
39) 1,2-Dichloropropane	9.12	63	174573	20.076	ug/l 95
40) Dibromomethane	9.21	93	134506	20.842	ug/l 90
41) Bromodichloromethane	9.40	83	260935	19.574	ug/l 94
42) Vinyl Acetate	5.90	43	1325690	90.262	ug/l # 88

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 Misc : 5.00mL/MSVOA N/WATER
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

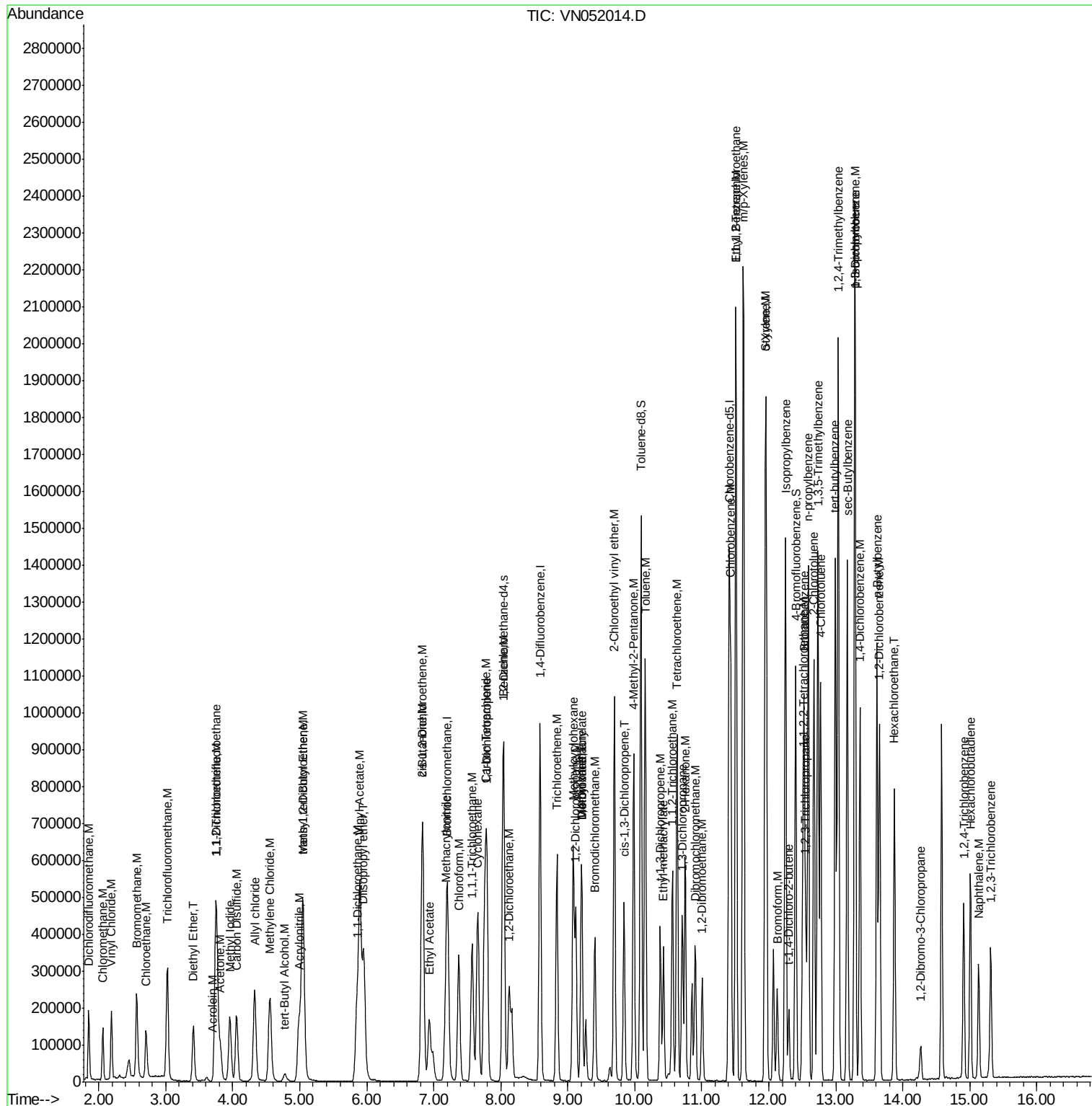
43) Ethyl Acetate	6.93	43	98368	17.364	ug/l	100
45) 1,4-Dioxane	9.20	88	24848	273.479	ug/l #	74
46) Methyl methacrylate	9.20	41	94994	18.200	ug/l	67
48) t-1,3-Dichloropropene	10.38	75	233464	17.960	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	276793	19.315	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	186650	20.932	ug/l	95
51) Ethyl methacrylate	10.43	69	192691	18.875	ug/l	82
52) 1,3-Dichloropropane	10.71	76	282676	20.540	ug/l	96
53) Dibromochloromethane	10.90	129	206112	18.685	ug/l	96
54) 1,2-Dibromoethane	11.01	107	198175	21.173	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	473609	108.522	ug/l #	91
56) Bromoform	12.13	173	122390	16.823	ug/l #	94
58) 4-Methyl-2-Pentanone	9.98	43	538193	92.000	ug/l #	86
59) 2-Hexanone	10.75	43	357080	90.478	ug/l #	89
61) Tetrachloroethene	10.63	164	233946	20.926	ug/l	96
62) Toluene	10.16	91	918242	21.144	ug/l	98
64) Chlorobenzene	11.43	112	626080	22.013	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	228379	20.920	ug/l	100
66) Ethyl Benzene	11.51	91	987885	20.583	ug/l	98
67) m/p-Xylenes	11.62	106	803944	41.315	ug/l	95
68) o-Xylene	11.95	106	393705	20.524	ug/l	88
69) Styrene	11.96	104	624248	21.210	ug/l	95
70) Isopropylbenzene	12.25	105	1044557	20.419	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	188082	18.618	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	221858	27.916	ug/l	84
73) Bromobenzene	12.53	156	284803	22.477	ug/l	75
74) n-propylbenzene	12.59	91	1104701	20.076	ug/l	93
75) 2-Chlorotoluene	12.67	91	645862	20.021	ug/l	90
76) 1,3,5-Trimethylbenzene	12.73	105	841470	19.892	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	40334	15.345	ug/l	93
78) 4-Chlorotoluene	12.77	91	648087	20.448	ug/l	88
79) tert-butylbenzene	12.99	119	780430	20.061	ug/l	92
80) 1,2,4-Trimethylbenzene	13.04	105	846631	20.026	ug/l	96
81) sec-Butylbenzene	13.17	105	1005817	19.764	ug/l	95
82) p-Isopropyltoluene	13.29	119	900202	19.768	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	488975	21.870	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	470814	22.368	ug/l	98
85) n-Butylbenzene	13.62	91	666941	19.422	ug/l	95
86) Hexachloroethane	13.87	117	129759	16.525	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	451658	20.866	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20444	13.551	ug/l #	64
89) 1,2,4-Trichlorobenzene	14.91	180	166087	19.353	ug/l	97
90) Hexachlorobutadiene	15.01	225	113504	16.272	ug/l	97
91) Naphthalene	15.13	128	288066	18.264	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	131648	13.368	ug/l	92

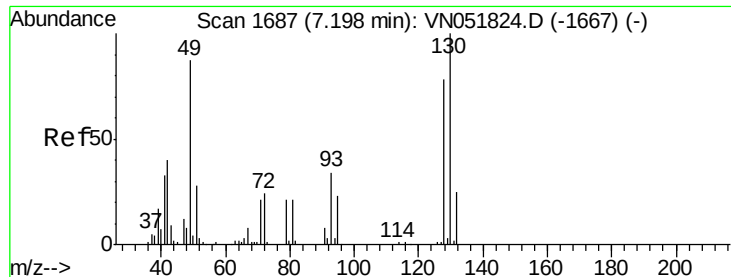
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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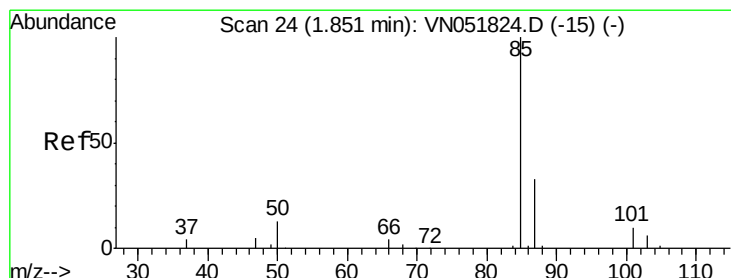
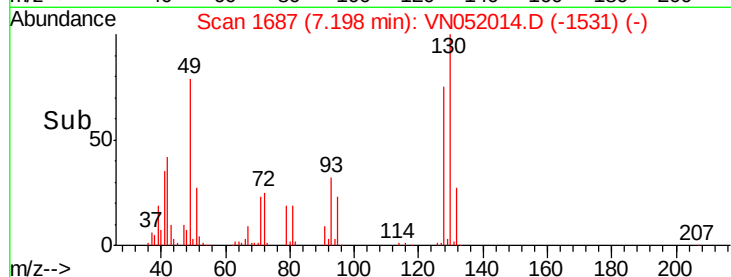
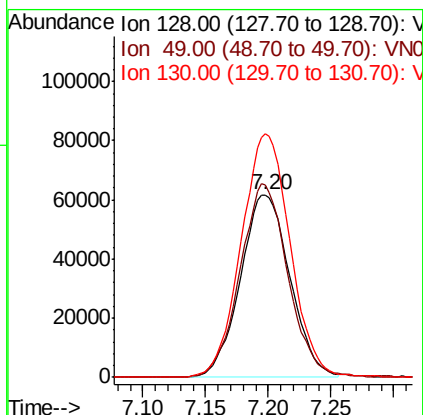
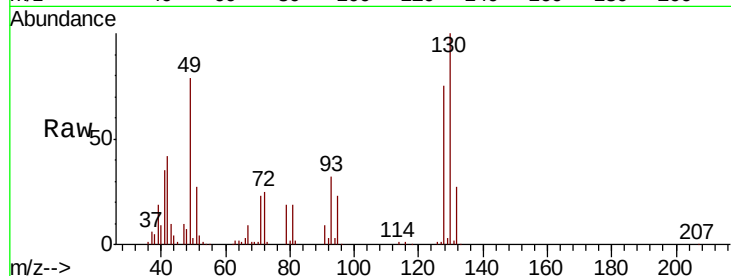




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

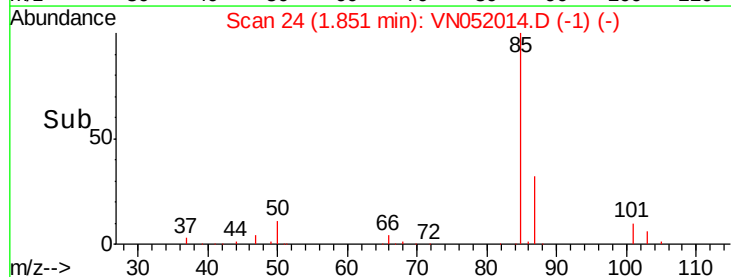
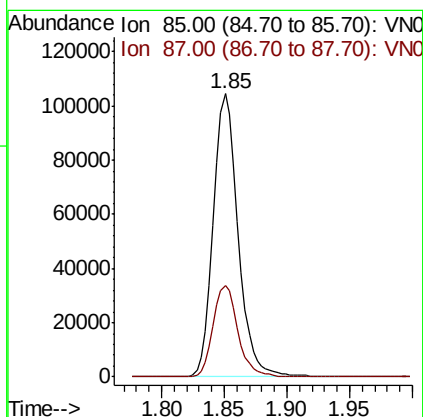
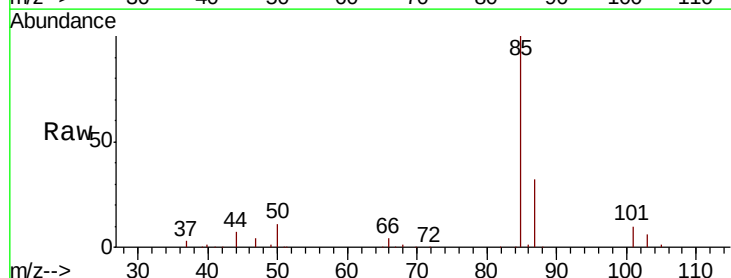
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

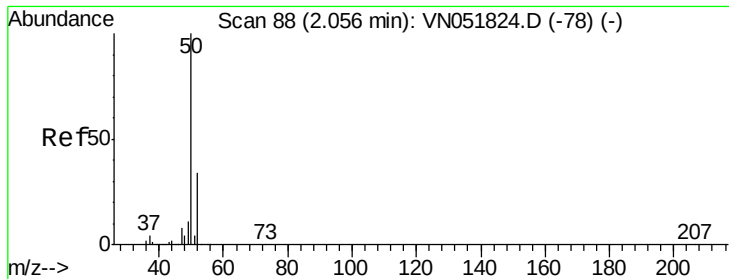
Tot Ion:128 Resp: 169371
Ion Ratio Lower Upper
128 100
49 102.7 0.0 403.3
130 132.0 0.0 326.0



#2
Dichlorodifluoromethane
Concen: 21.825 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 85 Resp: 143614
Ion Ratio Lower Upper
85 100
87 32.2 16.3 48.8





#3

Chloromethane

Concen: 18.442 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

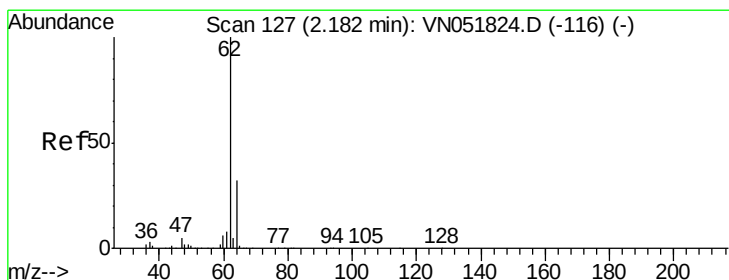
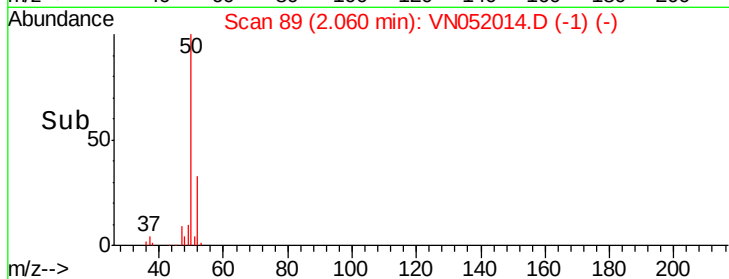
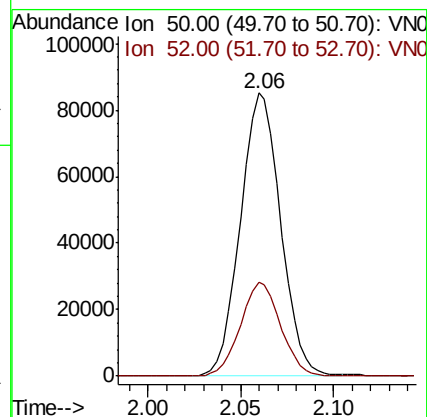
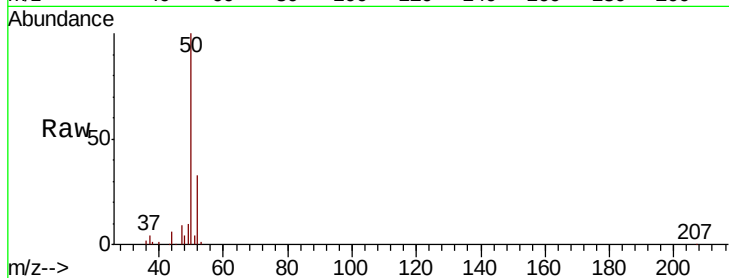
VN1025WBS02

Tot Ion: 50 Resp: 128254

Ion Ratio Lower Upper

50 100

52 33.1 27.2 40.8



#4

Vinyl Chloride

Concen: 15.436 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.01 min

Lab File: VN052014.D

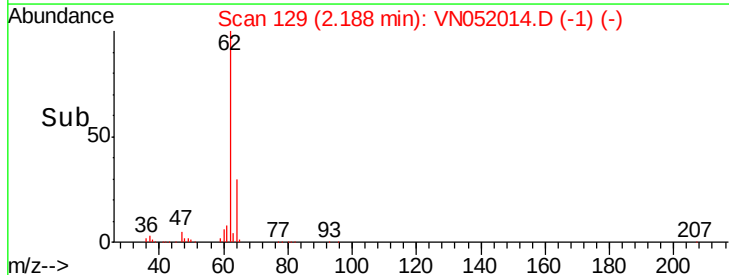
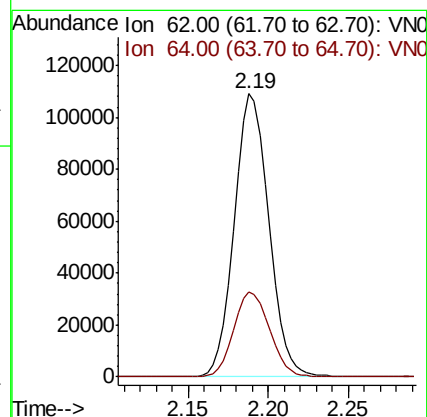
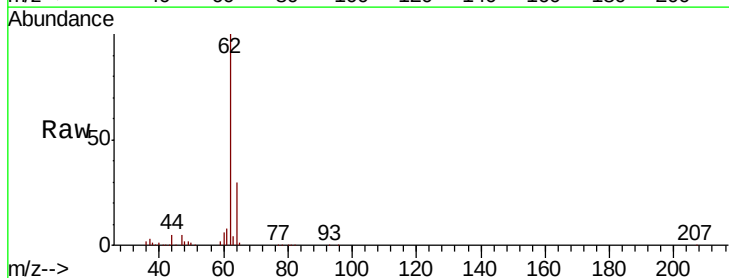
Acq: 25 Oct 2018 16:57

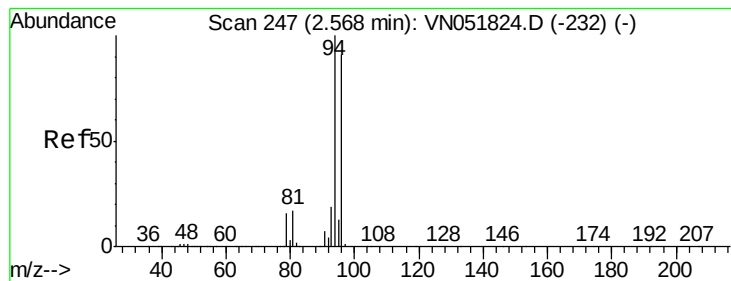
Tgt Ion: 62 Resp: 160309

Ion Ratio Lower Upper

62 100

64 30.1 25.4 38.2





#5

Bromomethane

Concen: 18.006 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

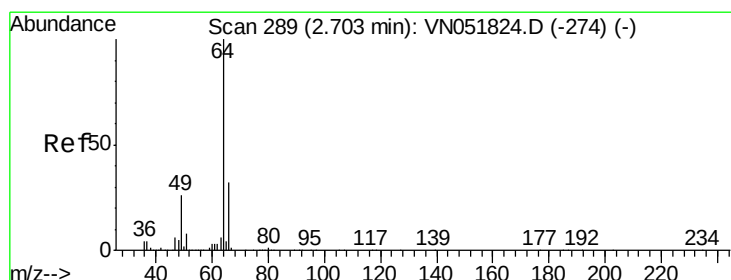
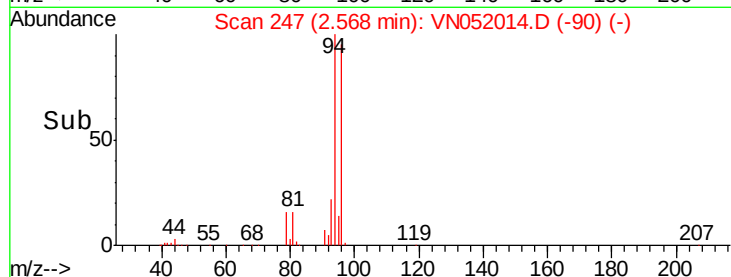
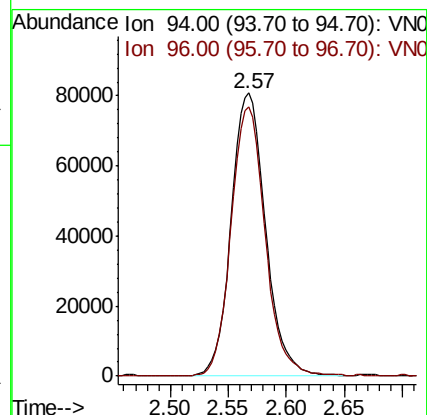
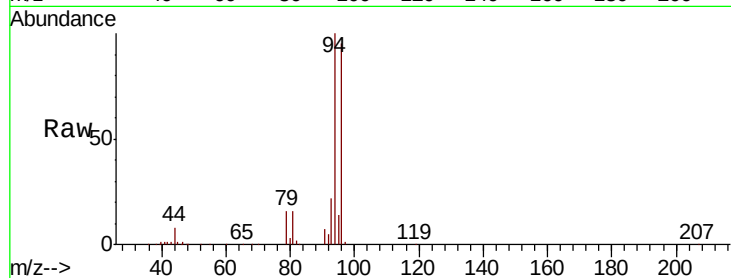
VN1025WBS02

Tot Ion: 94 Resp: 165225

Ion Ratio Lower Upper

94 100

96 95.4 66.4 99.6



#6

Chloroethane

Concen: 16.260 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN052014.D

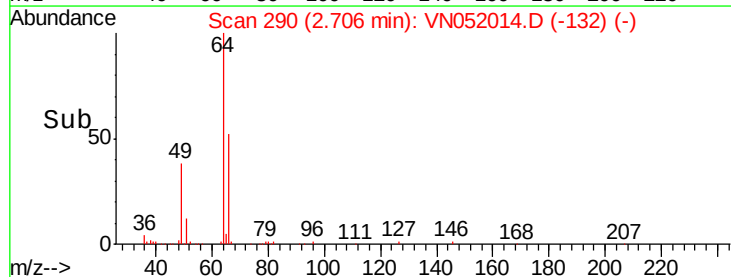
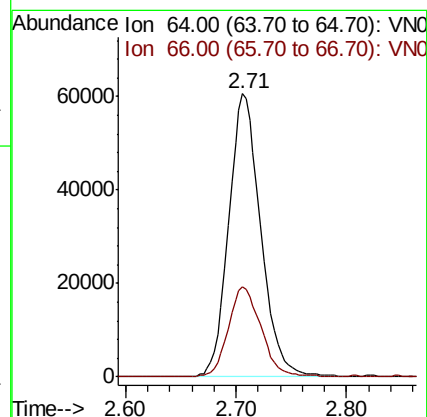
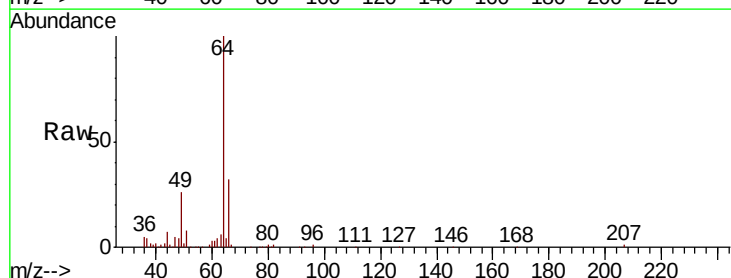
Acq: 25 Oct 2018 16:57

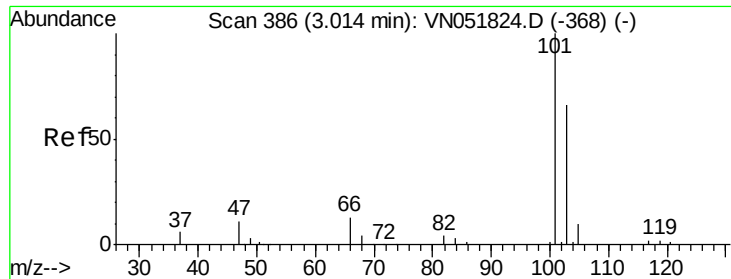
Tgt Ion: 64 Resp: 121695

Ion Ratio Lower Upper

64 100

66 31.9 25.8 38.6



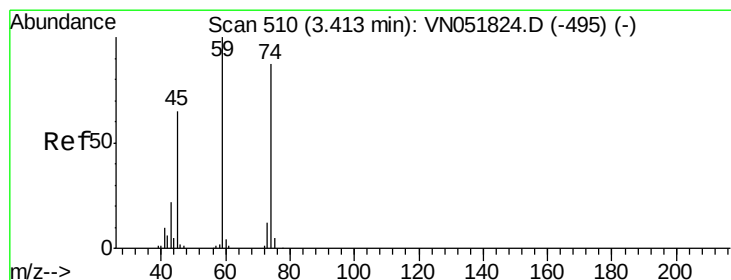
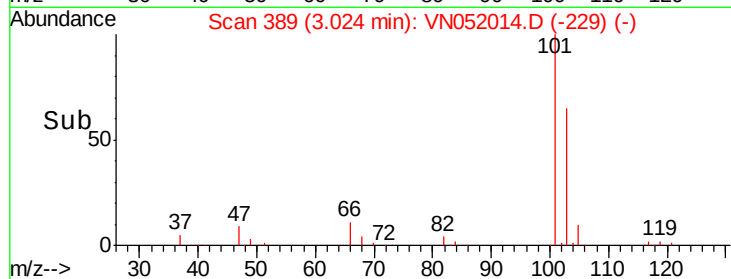
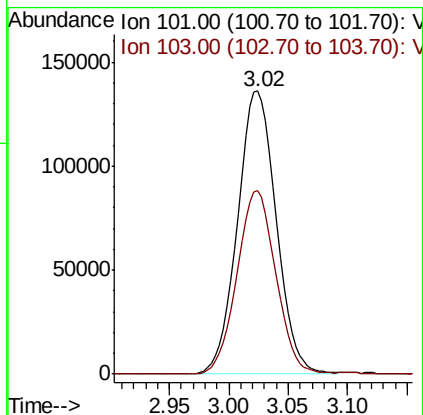
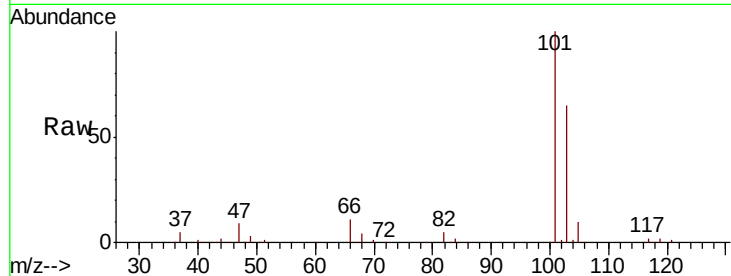


#7

Trichlorofluoromethane
Concen: 20.757 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
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ClientSampleId :
VN1025WBS02

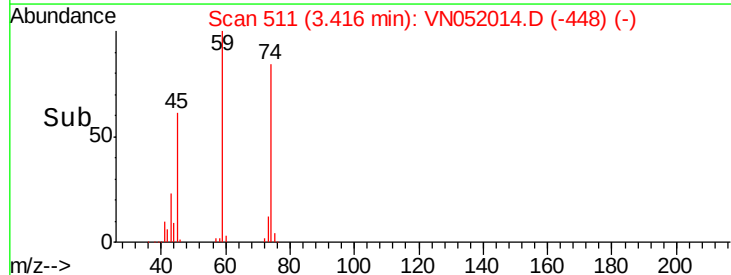
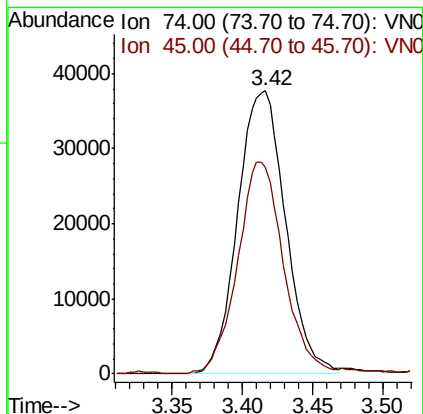
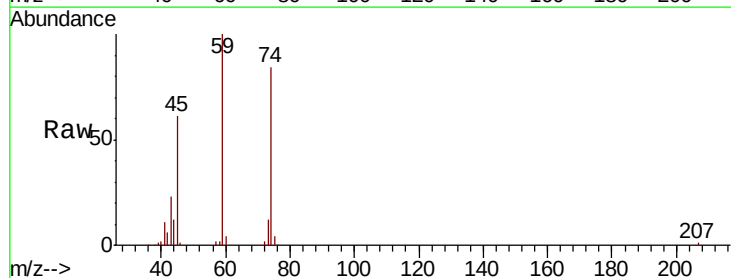
Tot Ion:101 Resp: 307341
Ion Ratio Lower Upper
101 100
103 65.1 54.8 82.2

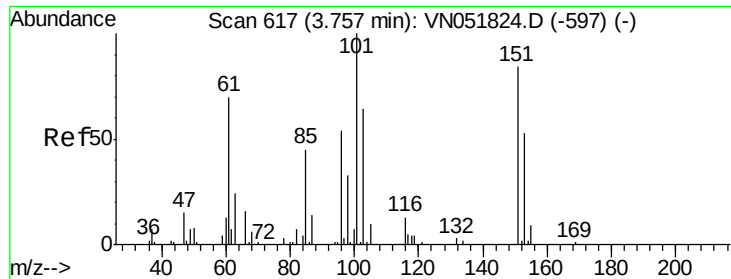


#8

Diethyl Ether
Concen: 20.721 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 74 Resp: 89312
Ion Ratio Lower Upper
74 100
45 72.0 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.712 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

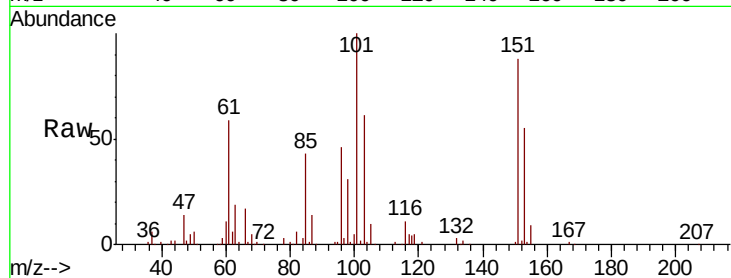
Tot Ion:101 Resp: 191512

Ion Ratio Lower Upper

101 100

85 42.0 0.0 46.0

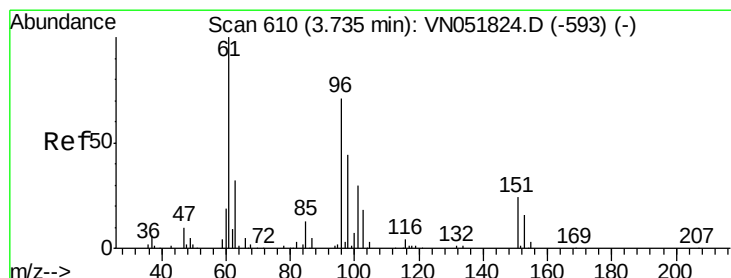
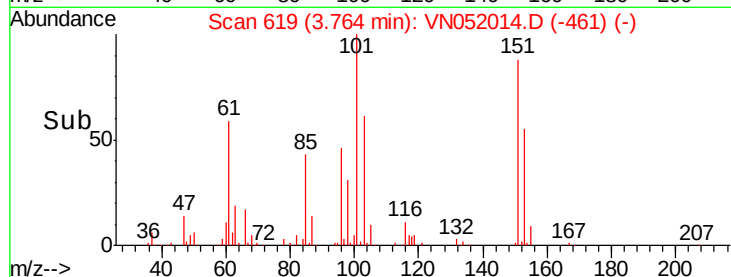
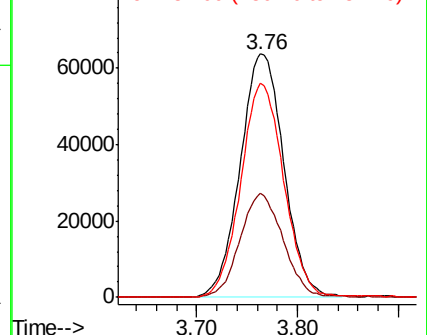
151 86.6 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 21.588 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

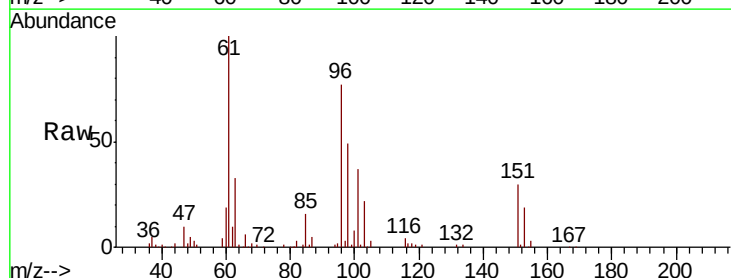
Tgt Ion: 96 Resp: 168340

Ion Ratio Lower Upper

96 100

61 129.8 133.0 199.6#

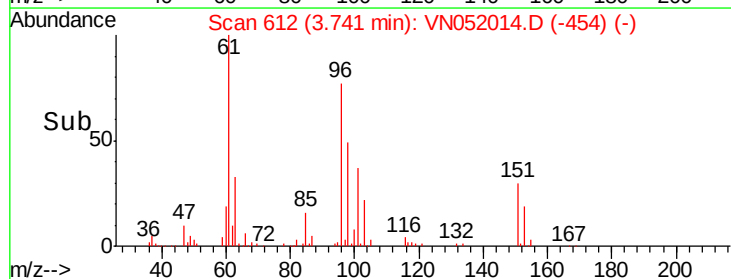
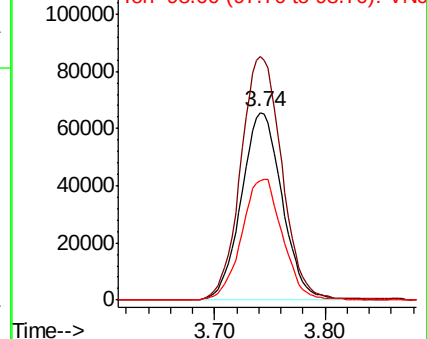
98 63.6 52.6 78.8

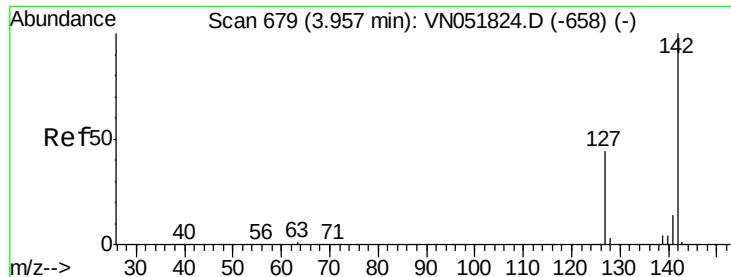


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

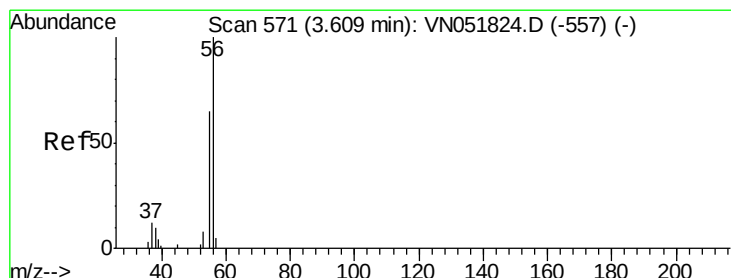
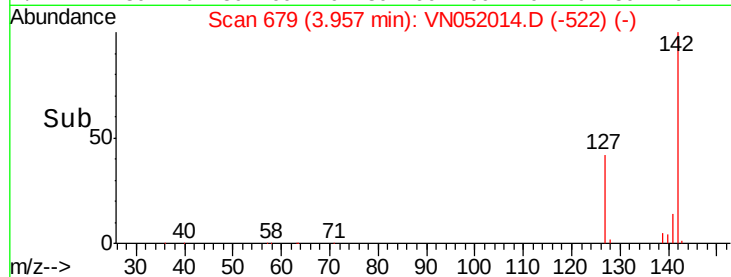
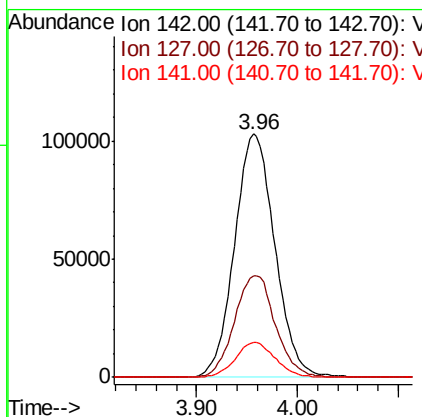
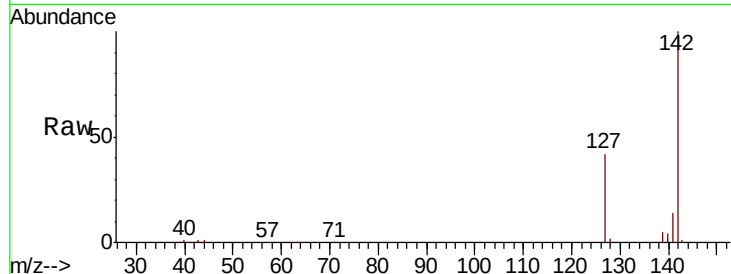




#11
Methvl Iodide
Concen: 25.173 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

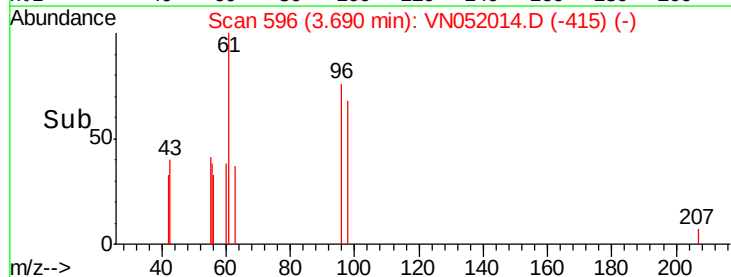
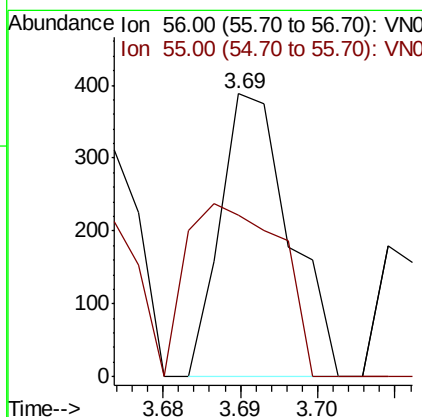
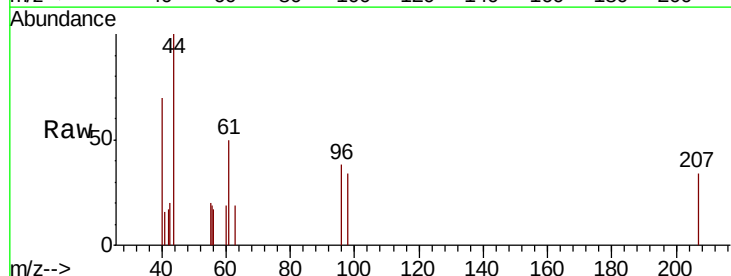
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

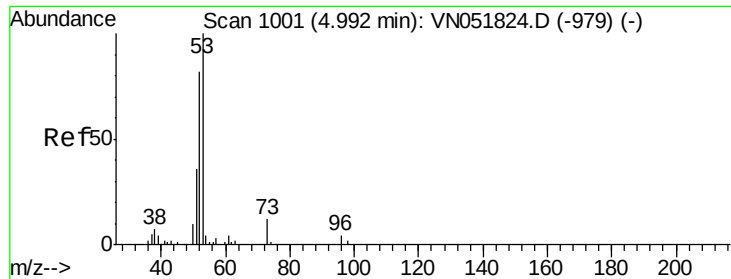
Tot Ion:142 Resp: 285359
Ion Ratio Lower Upper
142 100
127 41.5 19.7 59.0
141 14.2 6.3 18.9



#13
Acrolein
Concen: 0.762 ug/l
RT: 3.69 min Scan# 596
Delta R.T. 0.08 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 56 Resp: 243
Ion Ratio Lower Upper
56 100
55 83.1 64.0 96.0





#14

Acrylonitrile

Concen: 99.167 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

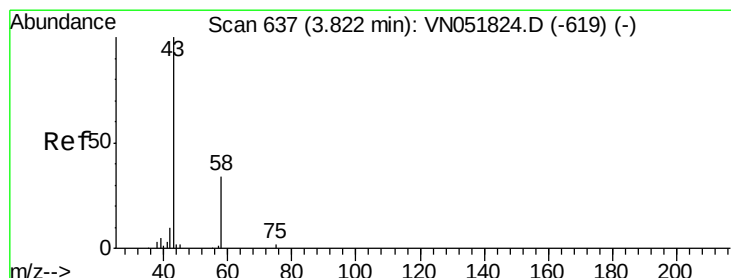
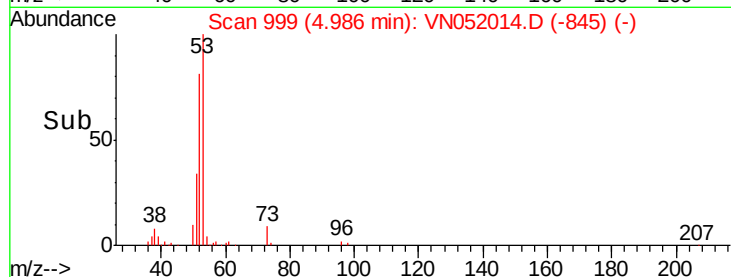
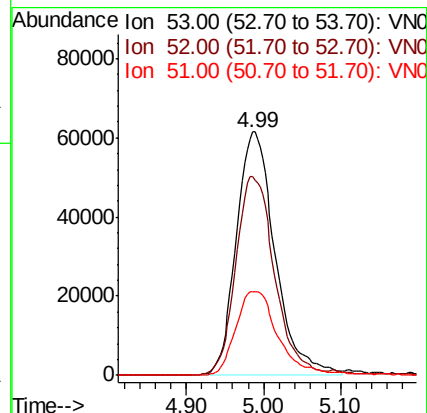
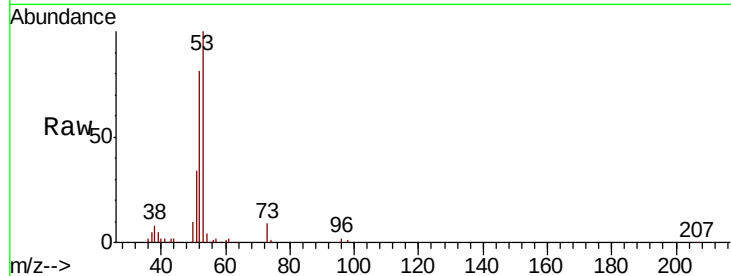
Tot Ion: 53 Resp: 214617

Ion Ratio Lower Upper

53 100

52 81.4 18.3 54.8#

51 37.4 19.7 59.1



#15

Acetone

Concen: 86.821 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN052014.D

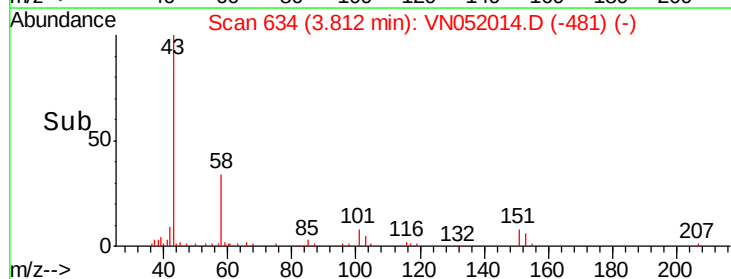
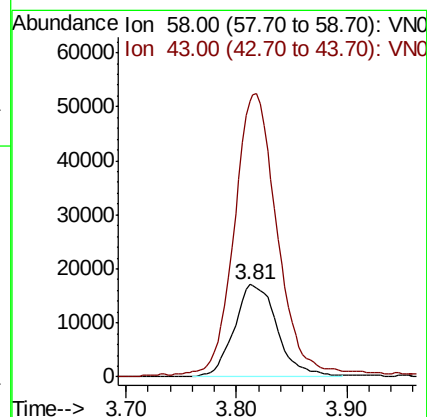
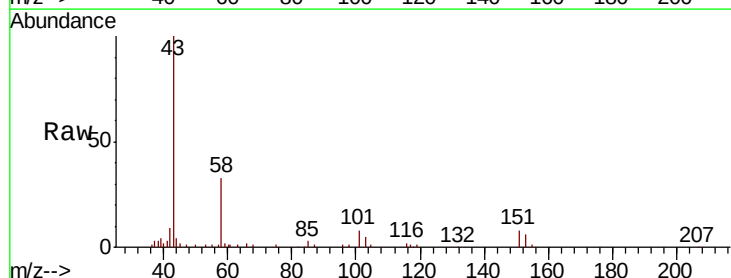
Acq: 25 Oct 2018 16:57

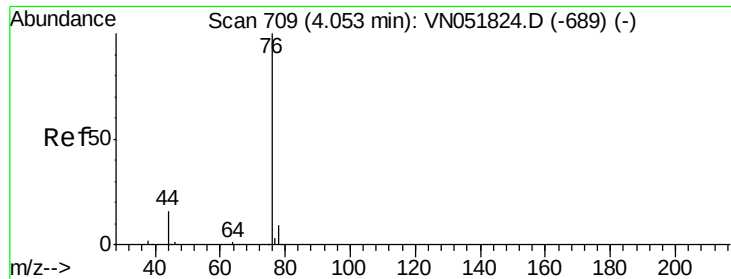
Tgt Ion: 58 Resp: 46449

Ion Ratio Lower Upper

58 100

43 293.3 232.2 348.2

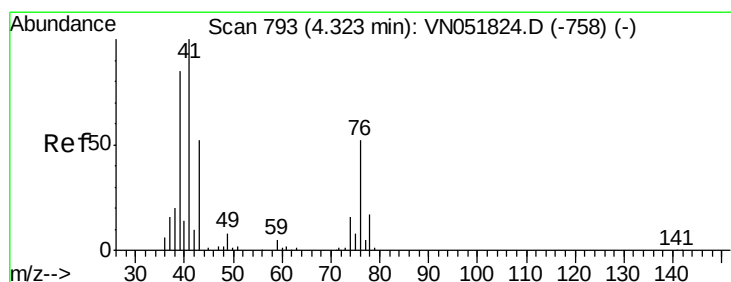
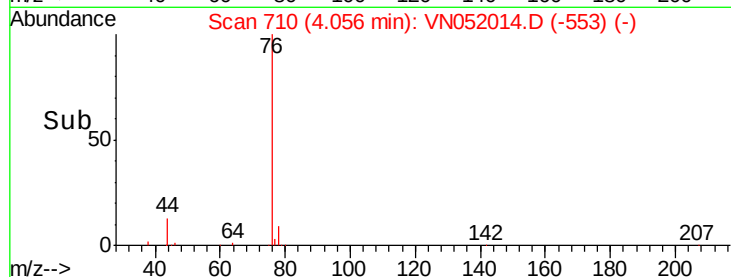
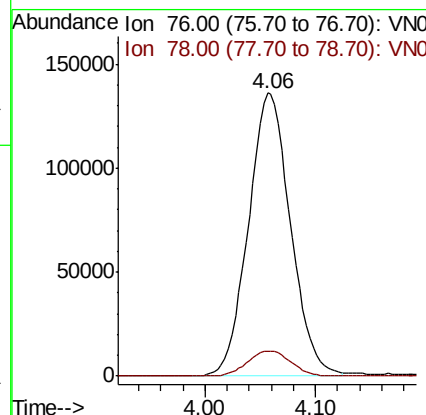
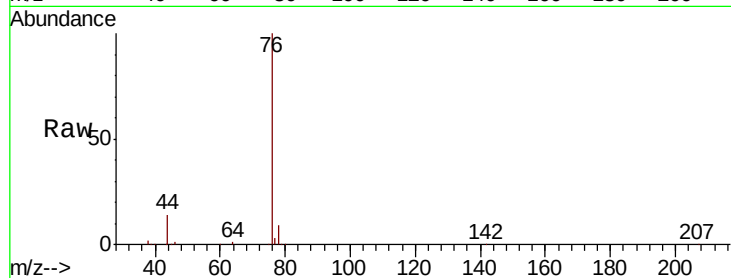




#16
Carbon Disulfide
Concen: 17.546 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

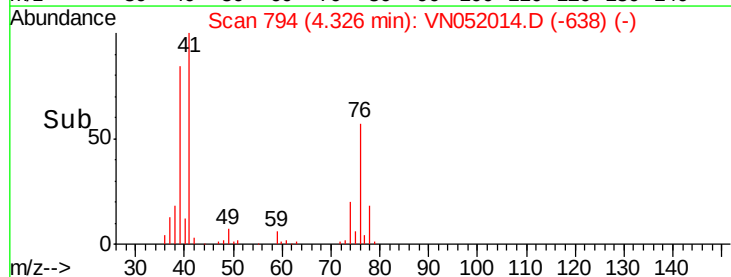
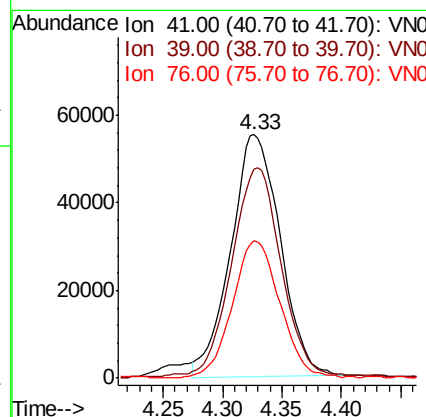
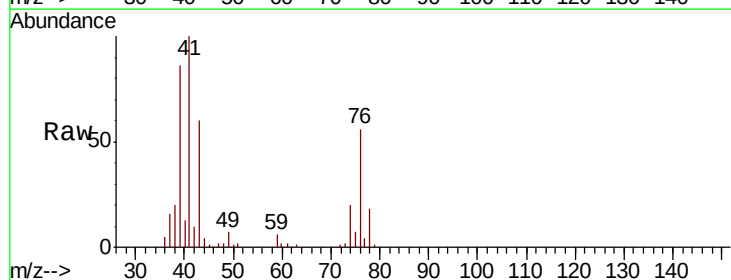
Instrument :
MSVOA_N
ClientSampled :
VN1025WBS02

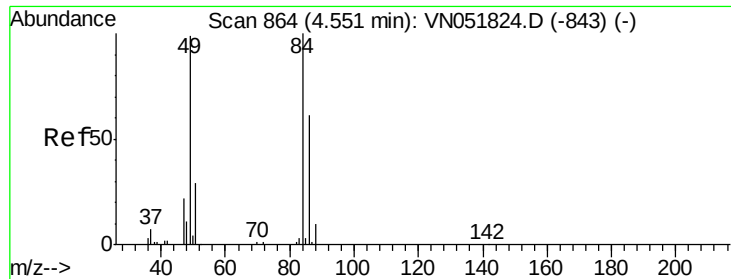
Tot Ion: 76 Resp: 359328
Ion Ratio Lower Upper
76 100
78 8.9 6.7 10.1



#17
Allyl chloride
Concen: 17.187 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 41 Resp: 159115
Ion Ratio Lower Upper
41 100
39 85.1 32.6 97.8
76 56.5 20.2 60.5

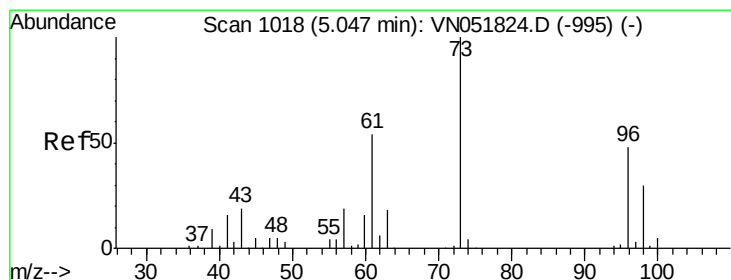
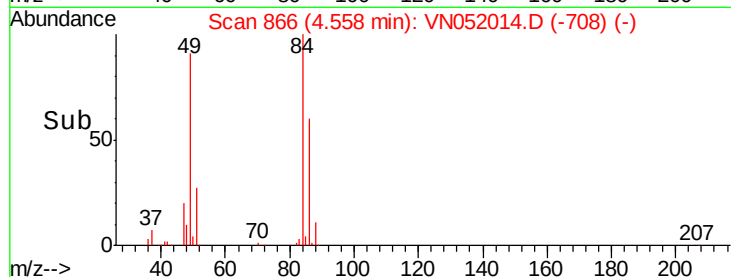
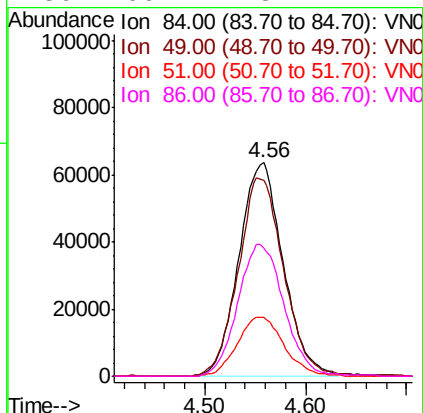
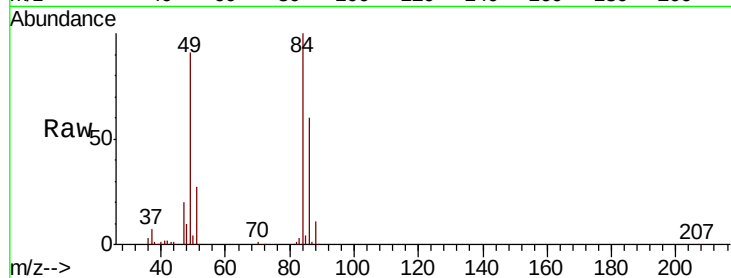




#18
Methylene Chloride
Concen: 22.224 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

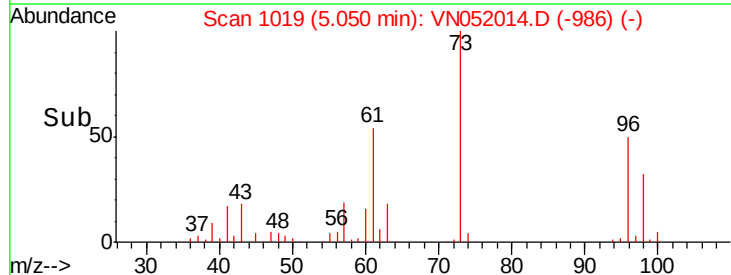
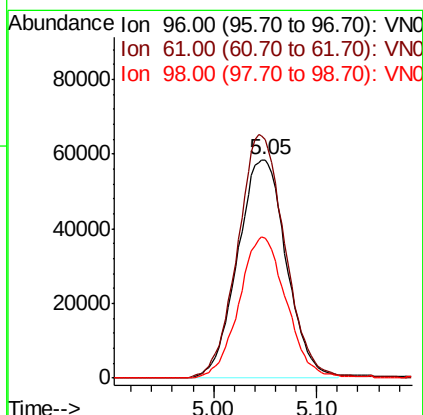
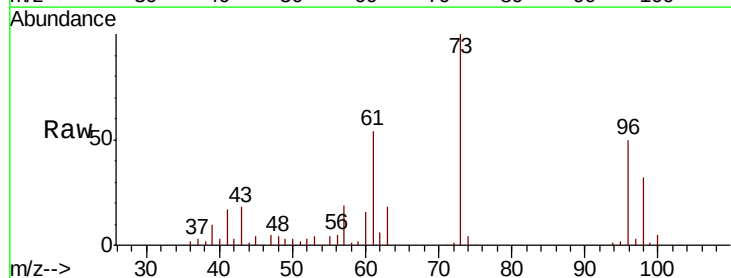
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

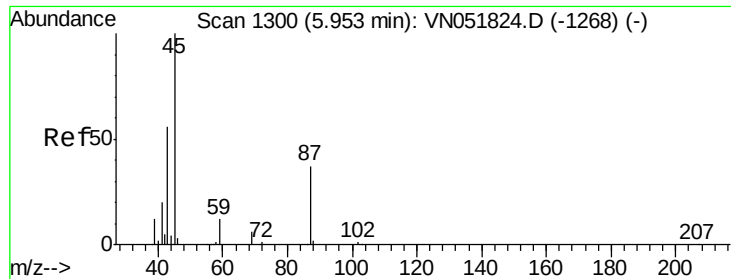
Tot Ion: 84 Resp: 193768
Ion Ratio Lower Upper
84 100
49 91.4 91.6 137.4#
51 27.3 29.8 44.6#
86 60.1 48.2 72.4



#19
trans-1,2-Dichloroethene
Concen: 21.585 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 96 Resp: 192199
Ion Ratio Lower Upper
96 100
61 108.9 112.3 168.5#
98 64.1 47.1 70.7

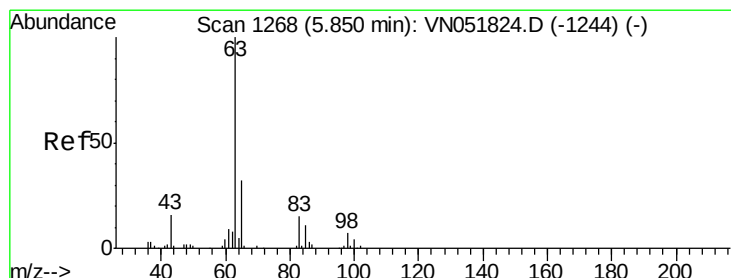
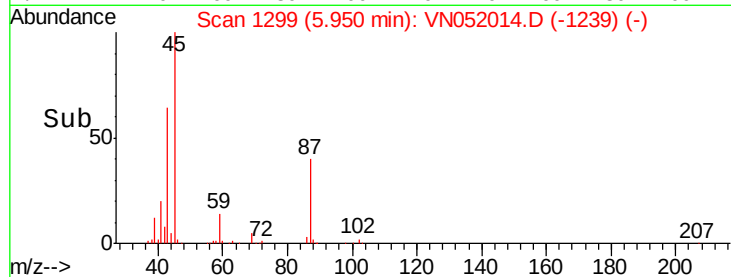
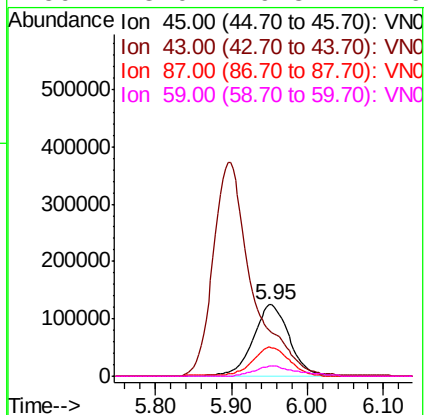
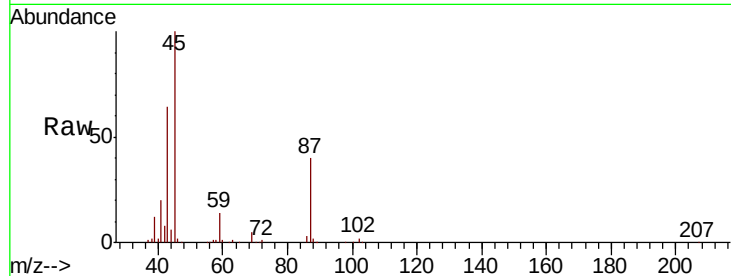




#20
 Diisopropyl ether
 Concen: 20.033 ug/l
 RT: 5.95 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

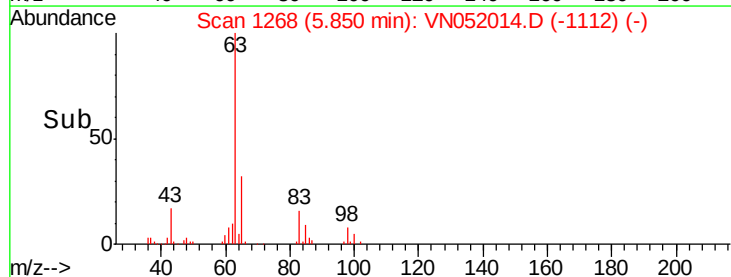
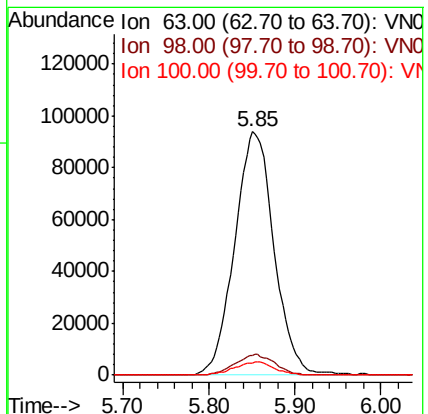
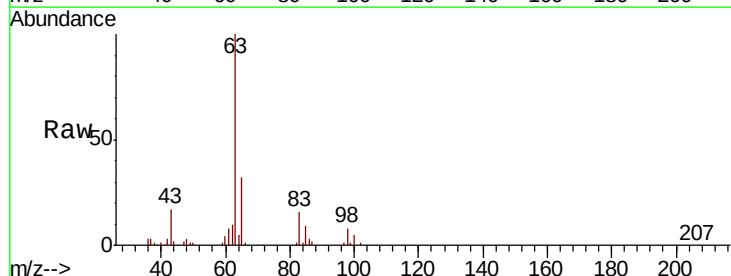
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

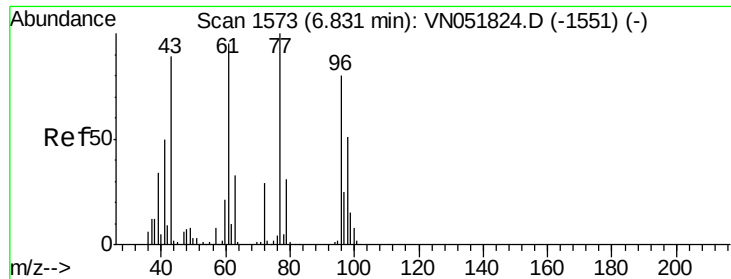
Tot Ion:	45	Resp:	413061
Ion	Ratio	Lower	Upper
45	100		
43	62.0	62.1	93.1#
87	40.2	19.9	29.9#
59	13.0	9.8	14.6



#21
 1,1-Dichloroethane
 Concen: 20.688 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion:	63	Resp:	298056
Ion	Ratio	Lower	Upper
63	100		
98	8.2	4.1	12.3
100	5.1	1.6	4.7#





#22

cis-1,2-Dichloroethene

Concen: 21.866 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

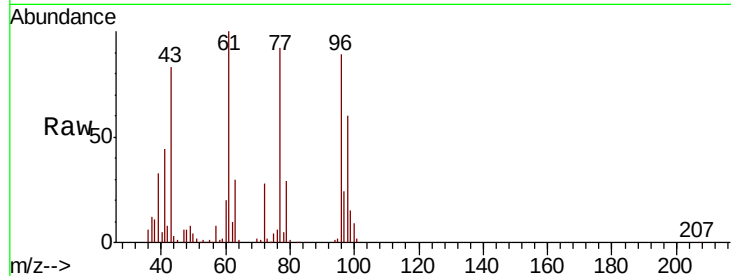
Tot Ion: 96 Resp: 228690

Ion Ratio Lower Upper

96 100

61 113.3 124.5 186.7#

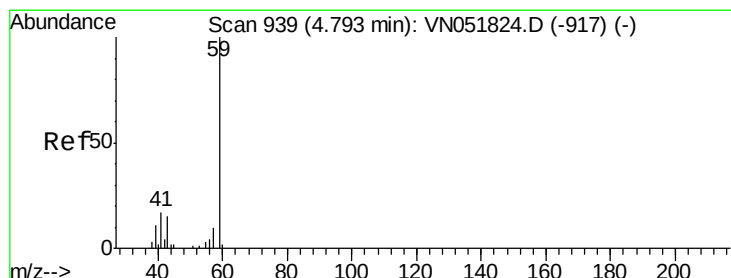
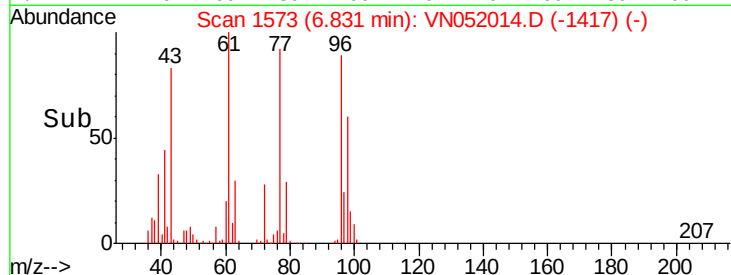
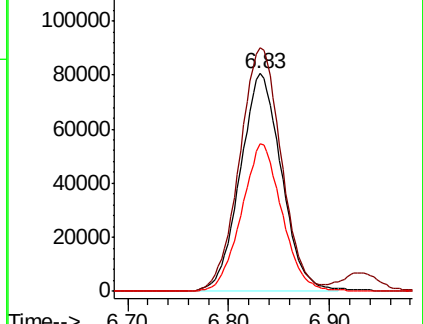
98 66.4 51.9 77.9



Abundance Ion 96.00 (95.70 to 96.70): VN052014.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN052014.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN052014.D (-1417) (-)



#23

tert-Butyl Alcohol

Concen: 34.699 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.02 min

Lab File: VN052014.D

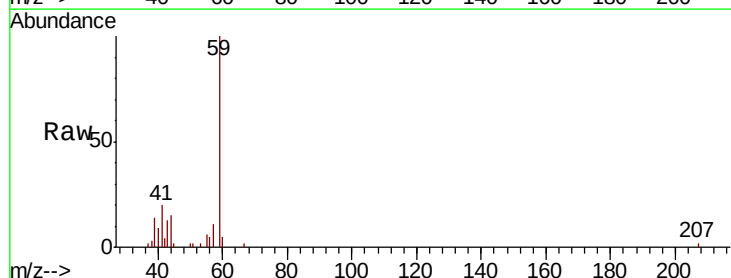
Acq: 25 Oct 2018 16:57

Tgt Ion: 59 Resp: 19778

Ion Ratio Lower Upper

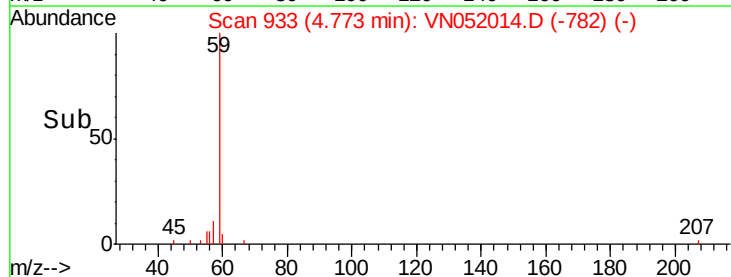
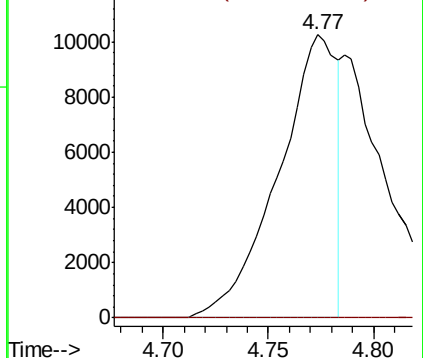
59 100

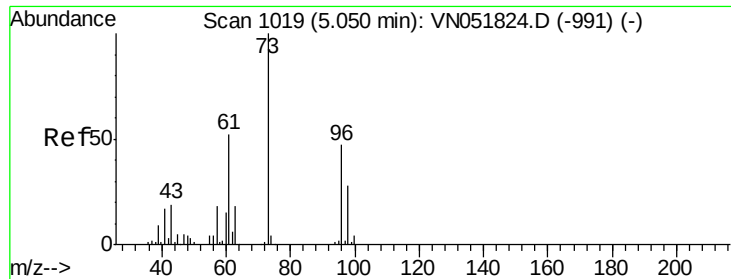
52 1.3 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN052014.D (-782) (-)

Ion 52.00 (51.70 to 52.70): VN052014.D (-782) (-)

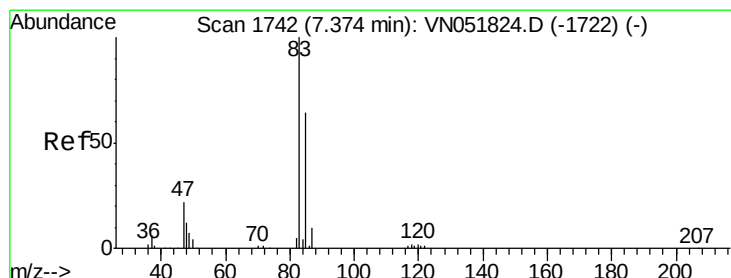
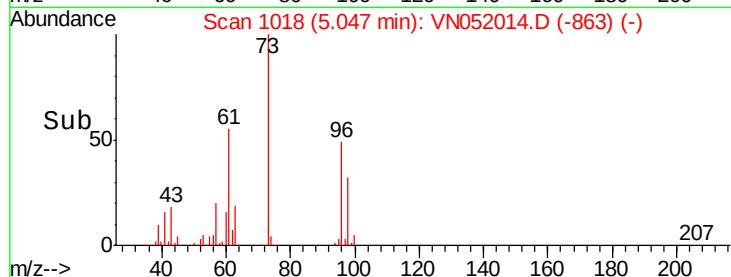
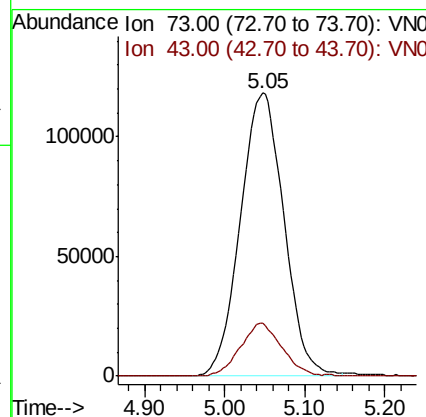
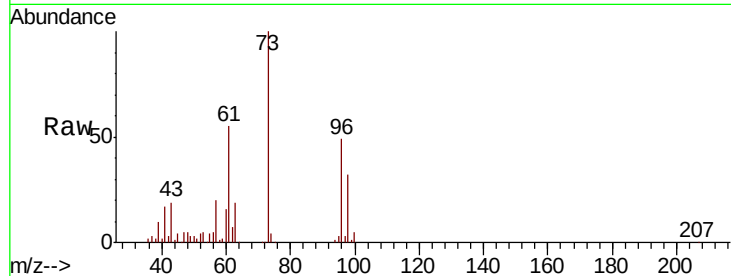




#24
Methvl tert-Butyl Ether
Concen: 19.524 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

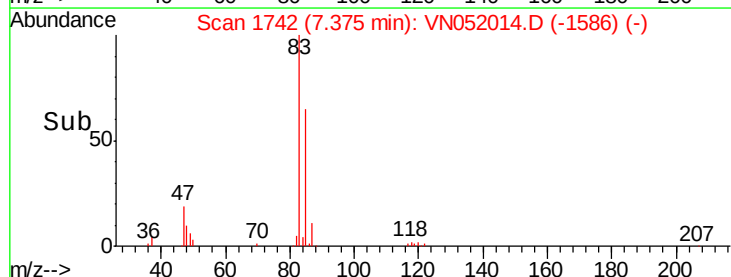
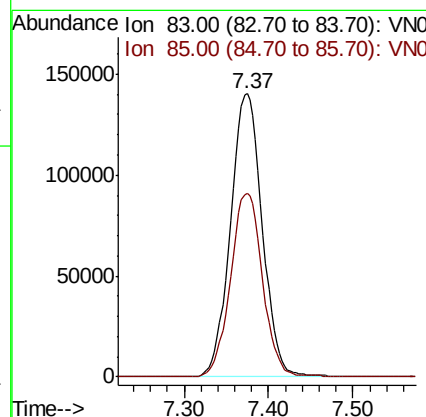
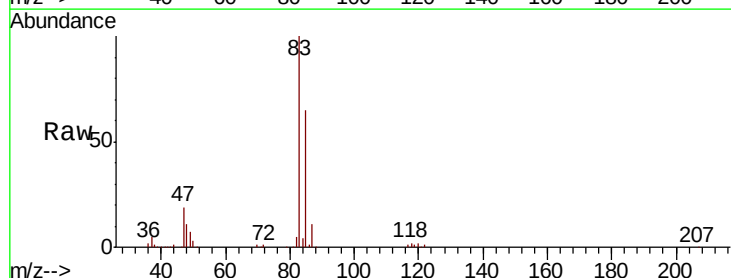
Instrument :
MSVOA_N
ClientSampled :
VN1025WBS02

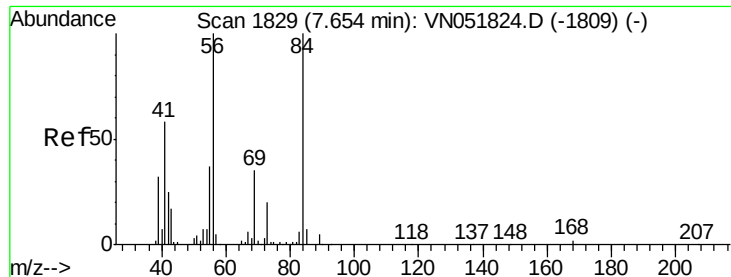
Tot Ion: 73 Resp: 438640
Ion Ratio Lower Upper
73 100
43 17.4 5.4 8.0#



#25
Chloroform
Concen: 21.500 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 83 Resp: 367476
Ion Ratio Lower Upper
83 100
85 64.6 54.6 82.0

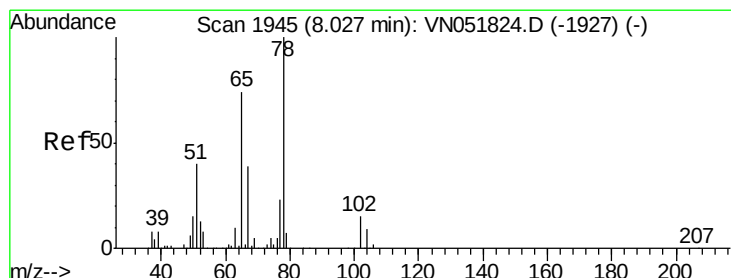
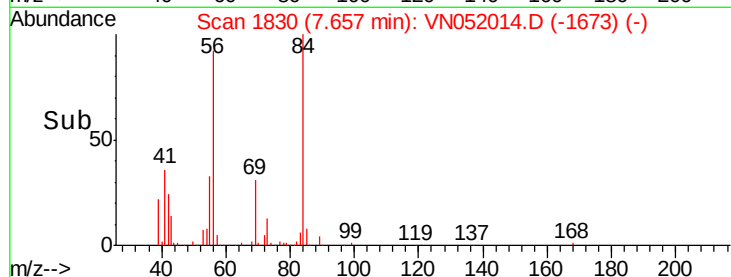
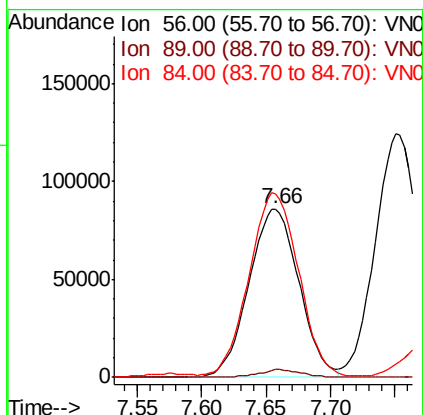
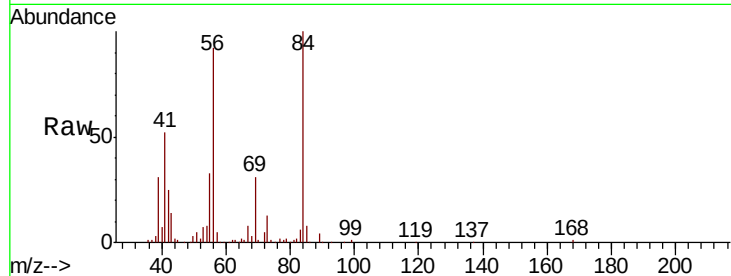




#26
Cyclohexane
Concen: 19.025 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

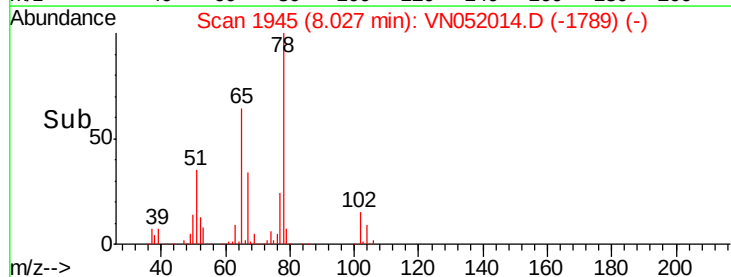
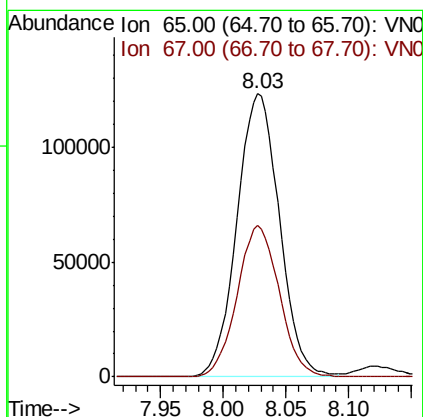
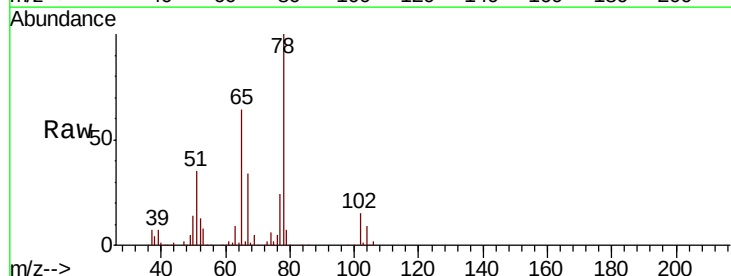
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

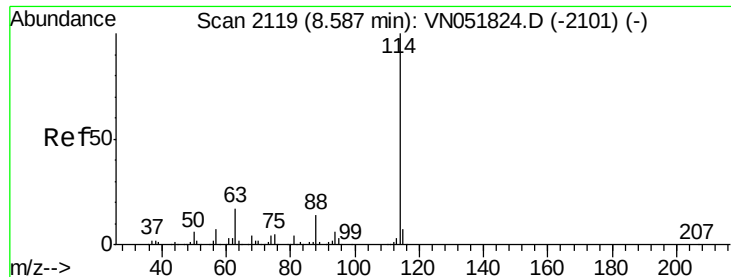
Tot Ion: 56 Resp: 232374
Ion Ratio Lower Upper
56 100
89 3.8 1.5 2.3#
84 109.3 64.2 96.4#



#27
1,2-Dichloroethane-d4
Concen: 19.025 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 65 Resp: 291032
Ion Ratio Lower Upper
65 100
67 52.7 41.8 62.8

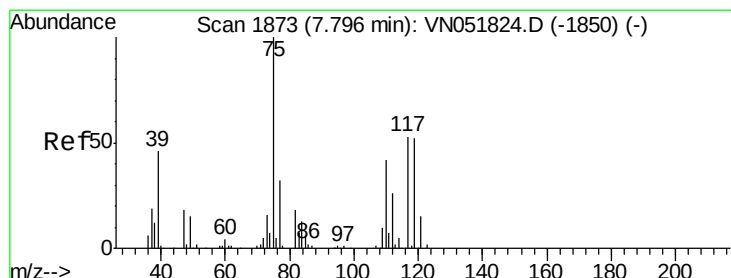
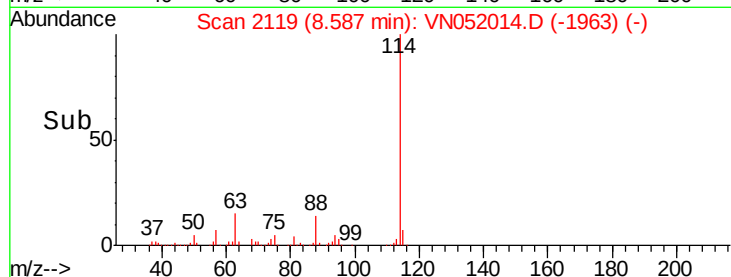
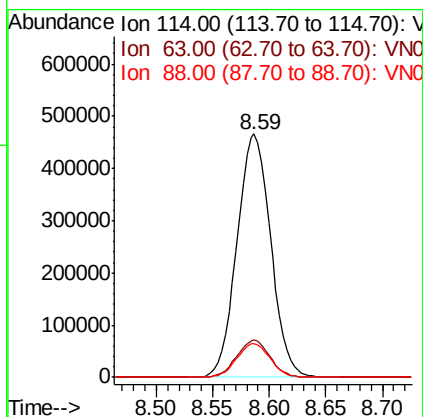
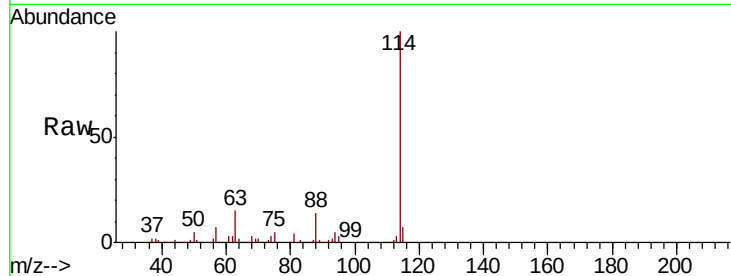




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

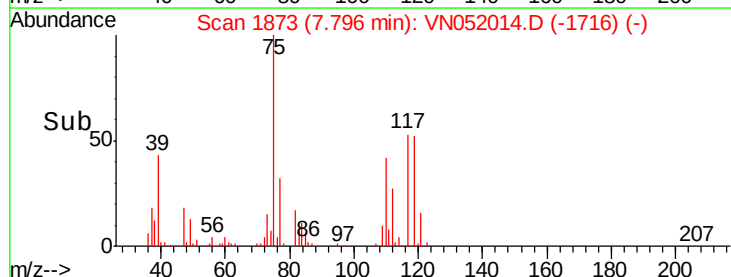
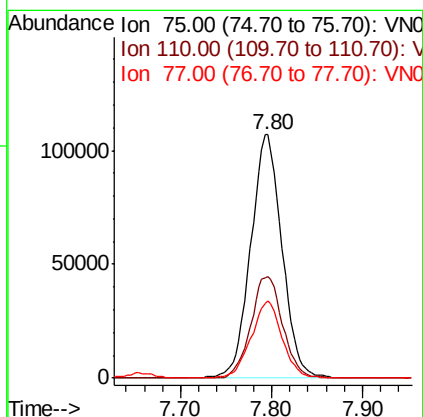
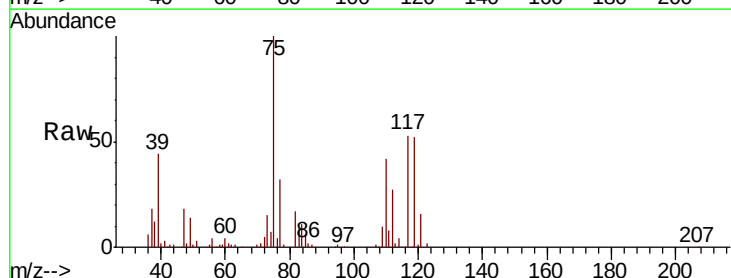
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

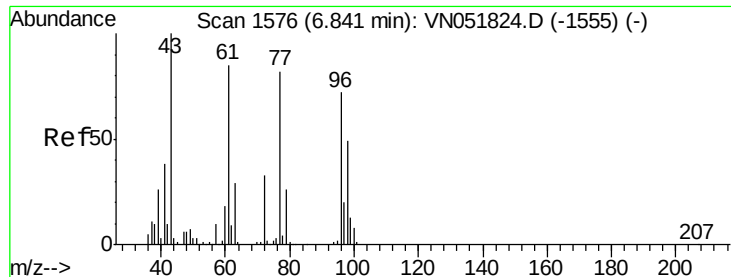
Tot Ion:114 Resp: 968398
 Ion Ratio Lower Upper
 114 100
 63 15.3 16.2 24.2#
 88 13.9 12.2 18.4



#29
 1,1-Dichloropropene
 Concen: 20.464 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion: 75 Resp: 255443
 Ion Ratio Lower Upper
 75 100
 110 42.1 0.0 70.8
 77 31.4 0.0 61.6

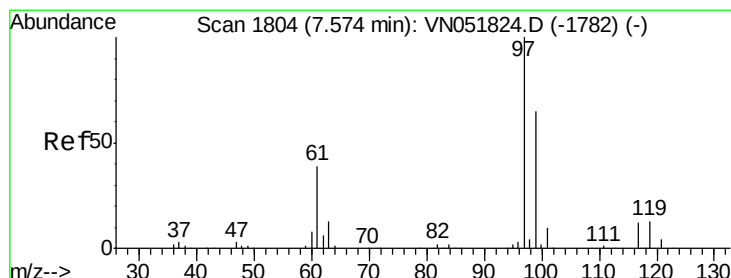
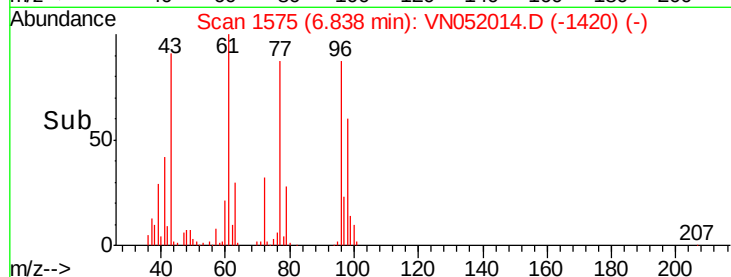
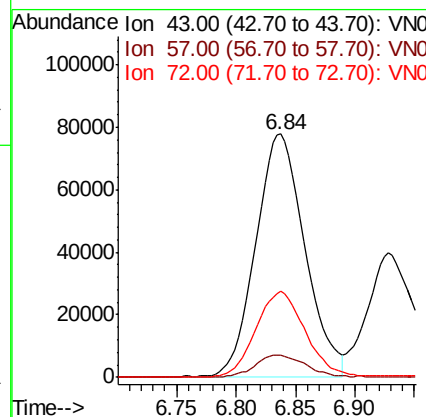
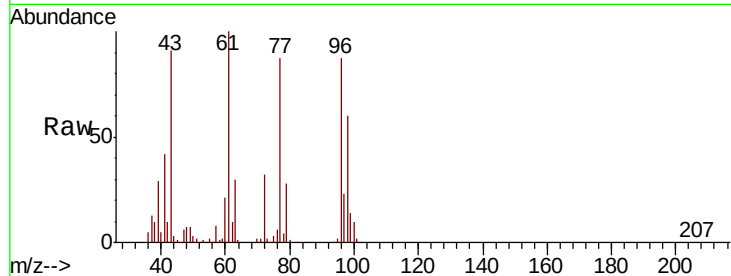




#30
2-Butanone
Concen: 84.862 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

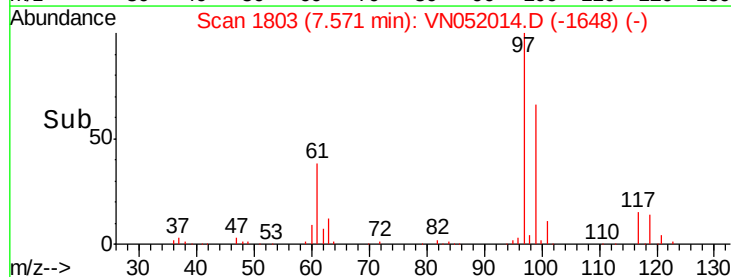
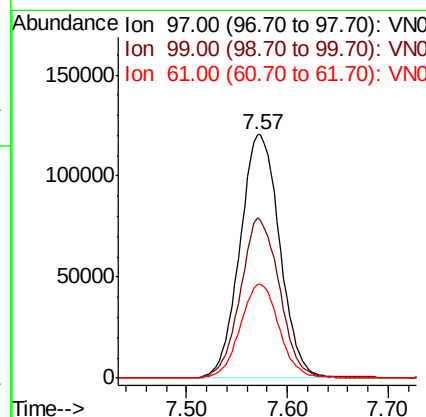
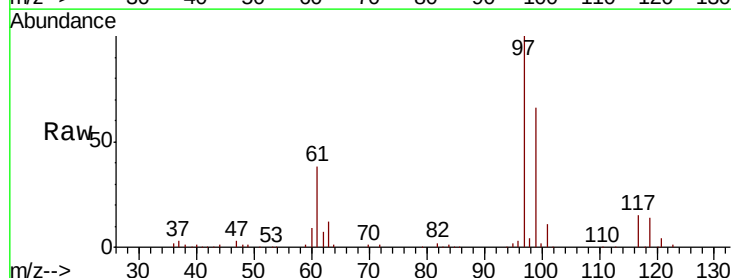
Instrument :
MSVOA_N
ClientSampled :
VN1025WBS02

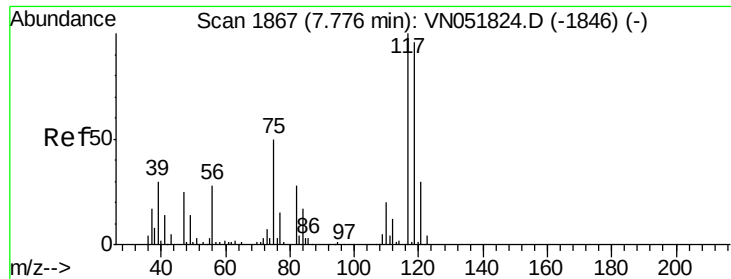
Tot Ion: 43 Resp: 221408
Ion Ratio Lower Upper
43 100
57 9.5 4.5 6.7#
72 35.9 21.5 32.3#



#32
1,1,1-Trichloroethane
Concen: 19.873 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 97 Resp: 328890
Ion Ratio Lower Upper
97 100
99 64.4 51.6 77.4
61 37.7 37.4 56.0

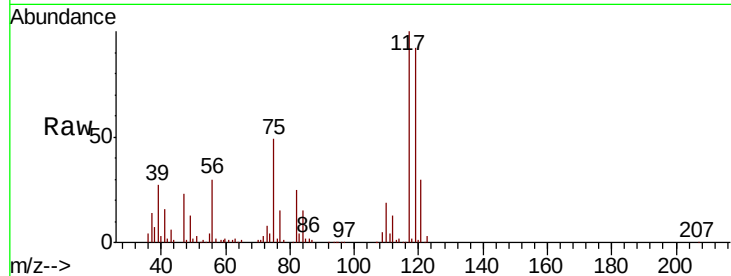




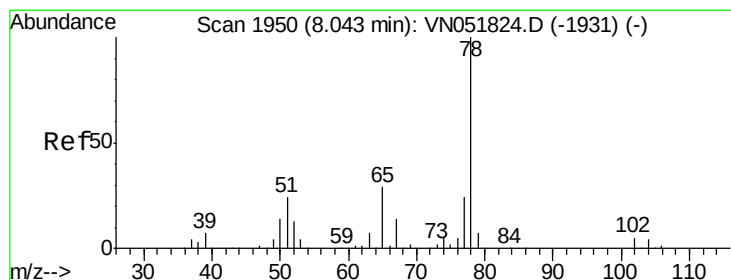
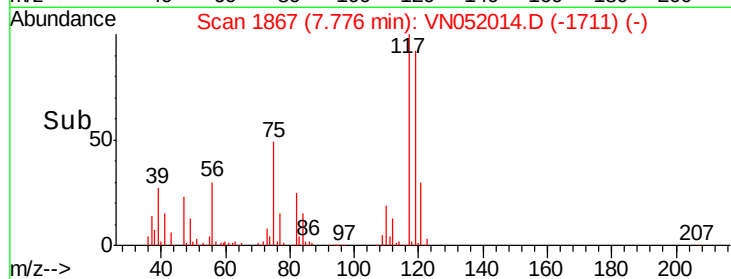
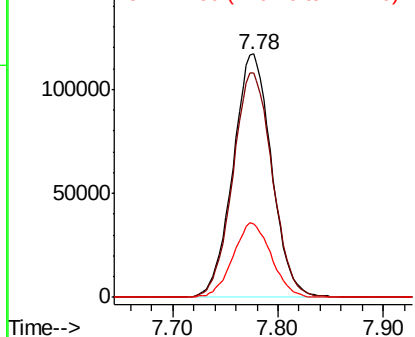
#33
Carbon Tetrachloride
Concen: 19.823 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion:117 Resp: 296810
Ion Ratio Lower Upper
117 100
119 92.1 85.1 127.7
121 30.4 24.2 36.2

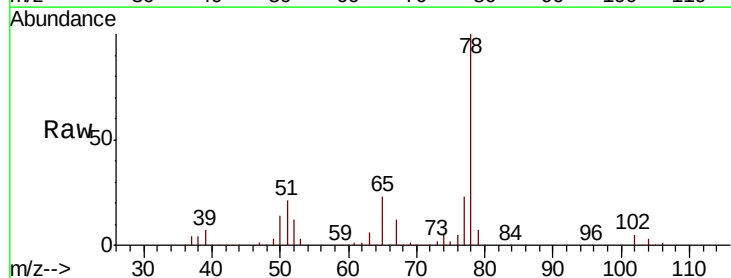


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

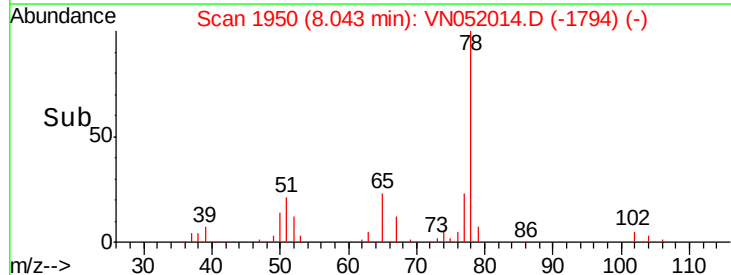
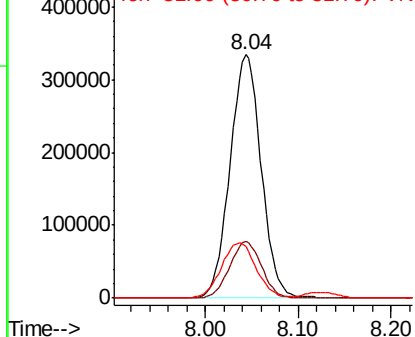


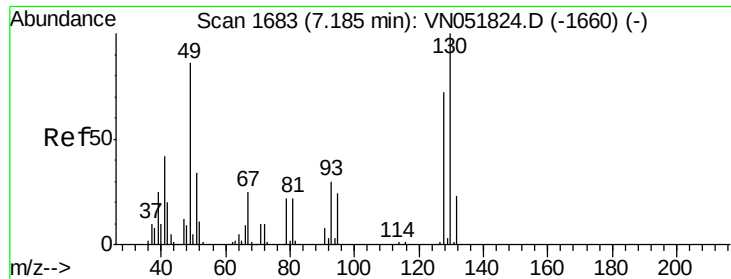
#34
Benzene
Concen: 21.085 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 78 Resp: 778547
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2
51 21.0 46.2 69.4#



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

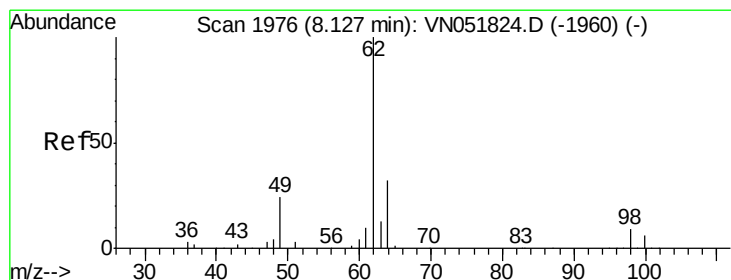
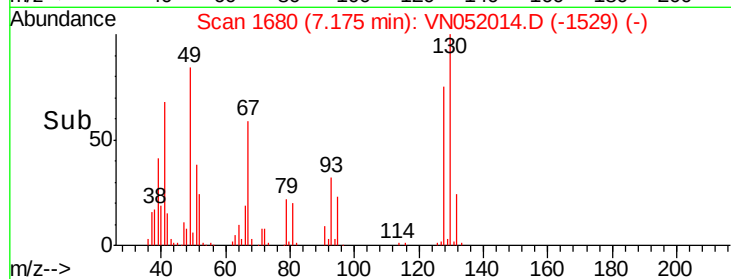
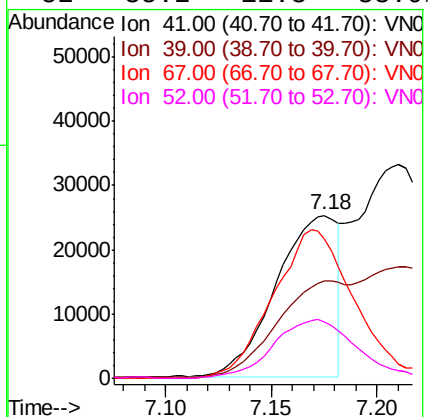
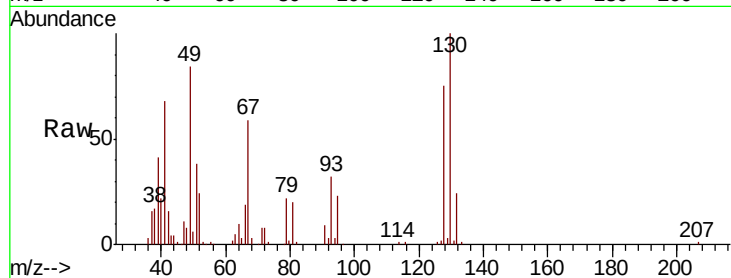




#35
Methacrylonitrile
Concen: 14.759 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.02 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

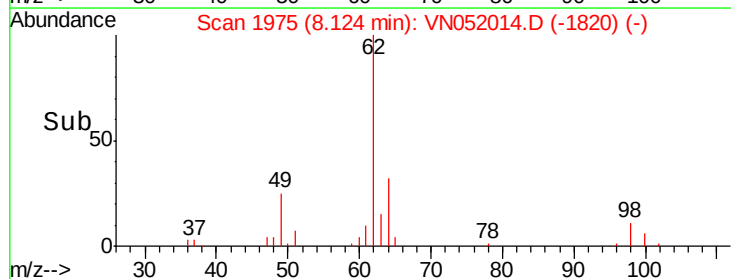
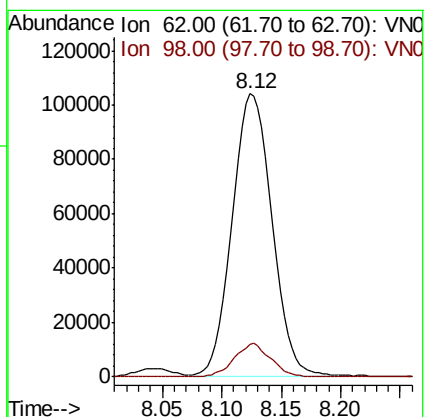
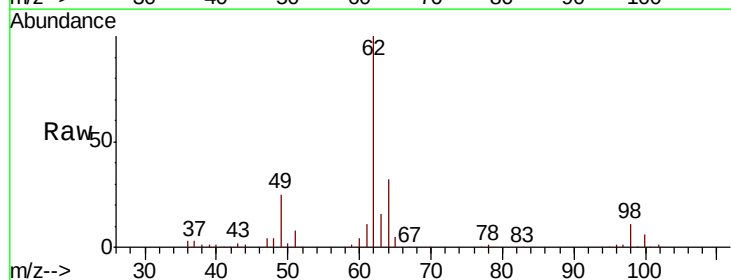
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

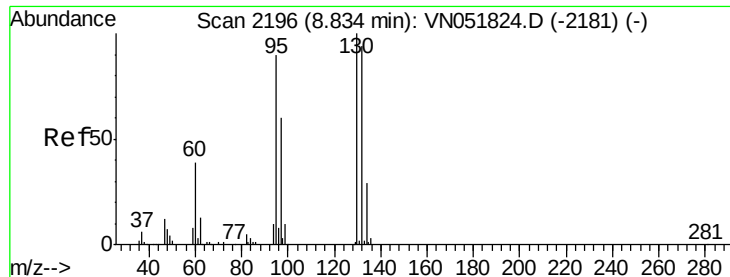
Tot Ion: 41 Resp: 50592
Ion Ratio Lower Upper
41 100
39 59.4 22.6 67.7
67 87.2 28.9 86.8#
52 35.2 11.3 33.9#



#36
1,2-Dichloroethane
Concen: 20.559 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 62 Resp: 243238
Ion Ratio Lower Upper
62 100
98 10.6 6.9 10.3#





#37

Trichloroethene

Concen: 21.549 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

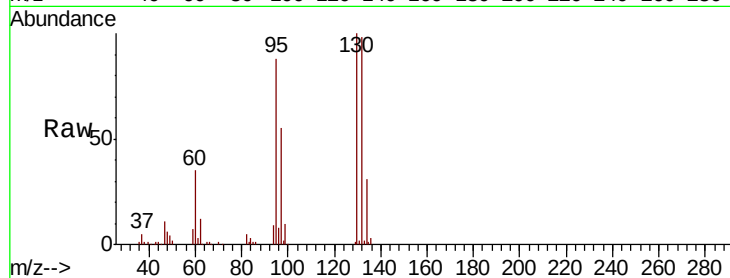
VN1025WBS02

Tot Ion:130 Resp: 246999

Ion Ratio Lower Upper

130 100

95 88.3 76.4 114.6



Abundance Ion 129.90 (129.60 to 130.60): VN052014.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN052014.D (-2197) (-)

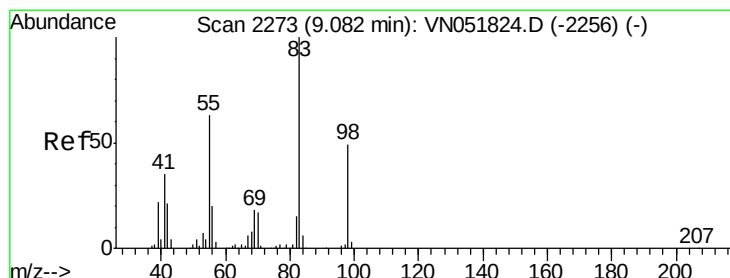
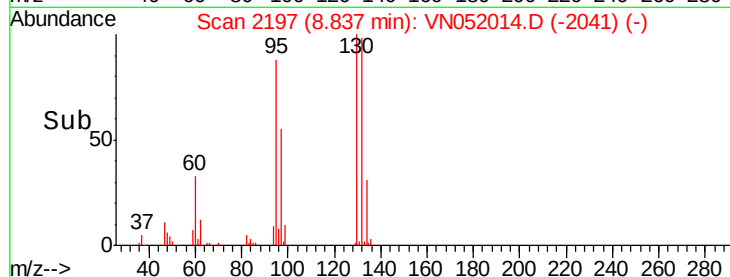
8.84

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 18.895 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

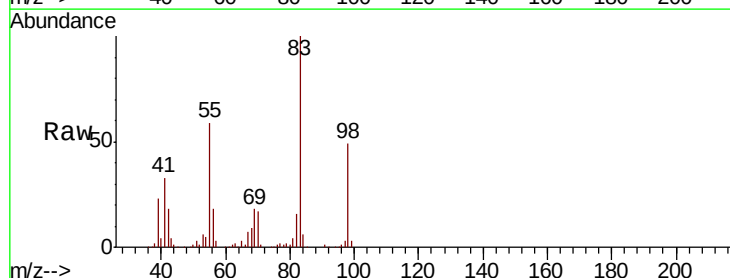
Tgt Ion: 83 Resp: 302516

Ion Ratio Lower Upper

83 100

55 59.7 43.0 129.2

98 49.8 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN052014.D (-2273) (-)

Ion 55.00 (54.70 to 55.70): VN052014.D (-2273) (-)

Ion 98.00 (97.70 to 98.70): VN052014.D (-2273) (-)

9.08

200000

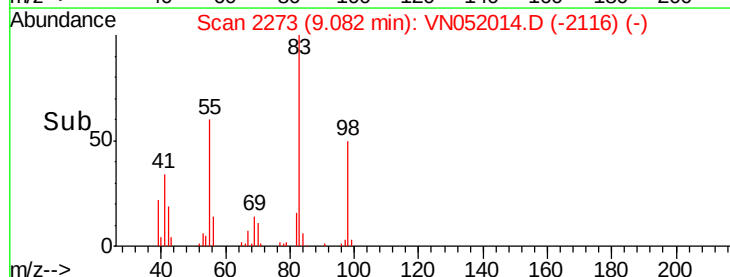
150000

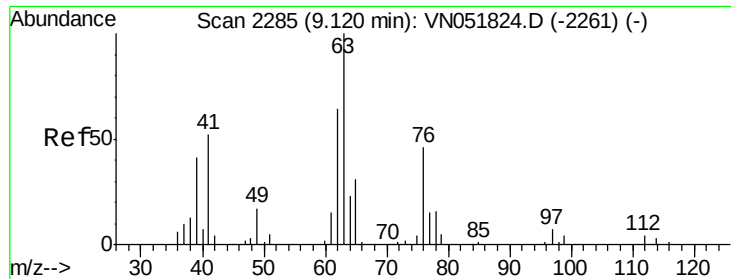
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 20.076 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

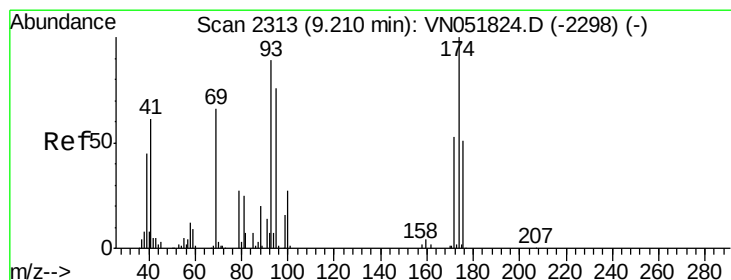
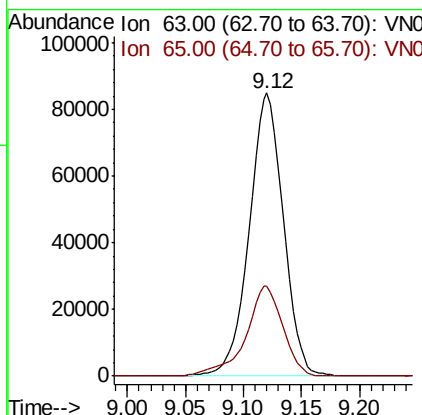
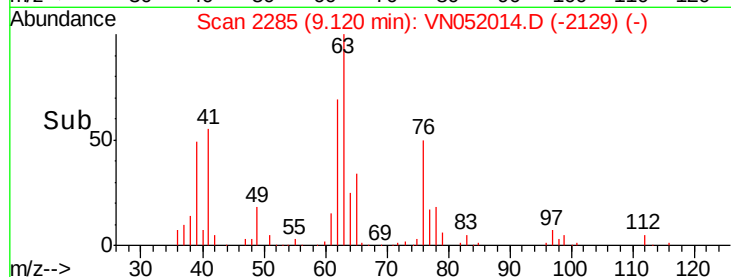
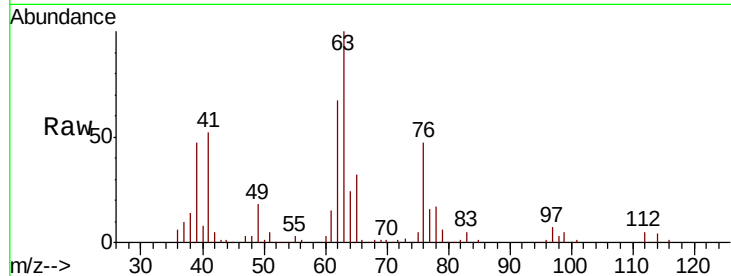
VN1025WBS02

Tot Ion: 63 Resp: 174573

Ion Ratio Lower Upper

63 100

65 31.9 23.2 34.8



#40

Dibromomethane

Concen: 20.842 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

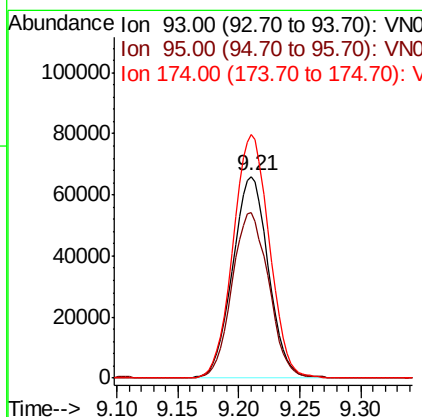
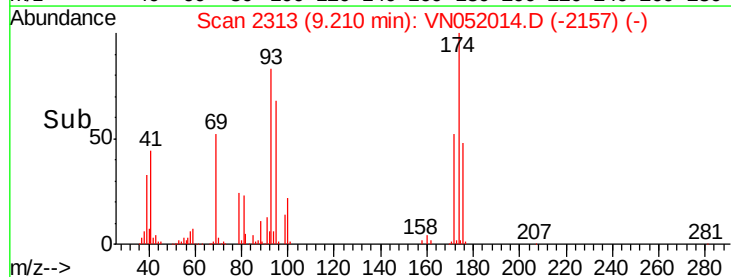
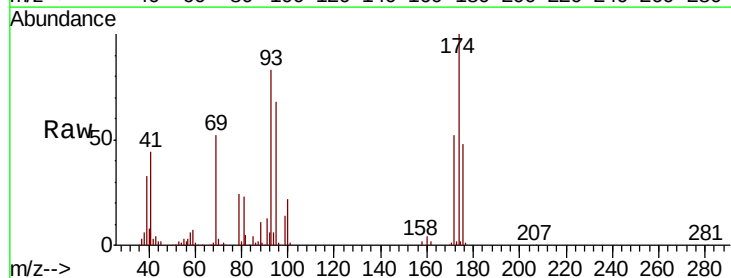
Tgt Ion: 93 Resp: 134506

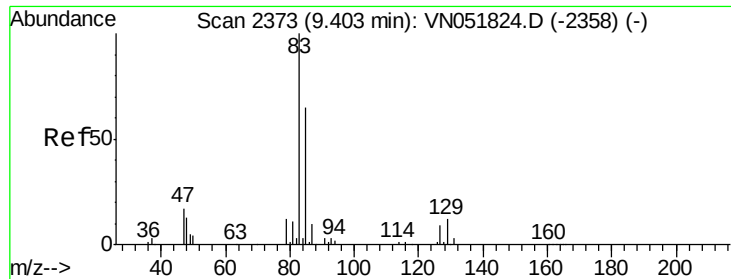
Ion Ratio Lower Upper

93 100

95 84.2 0.0 162.0

174 121.8 0.0 214.0

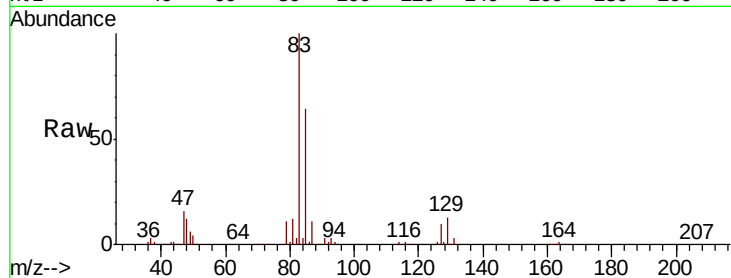




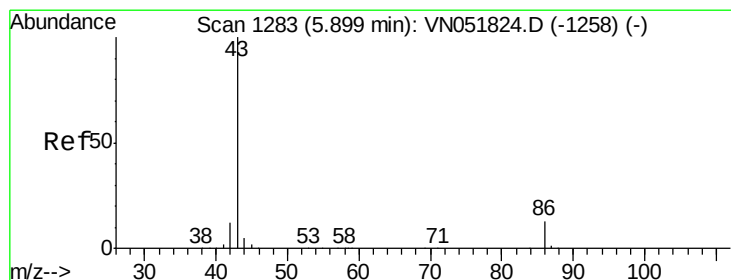
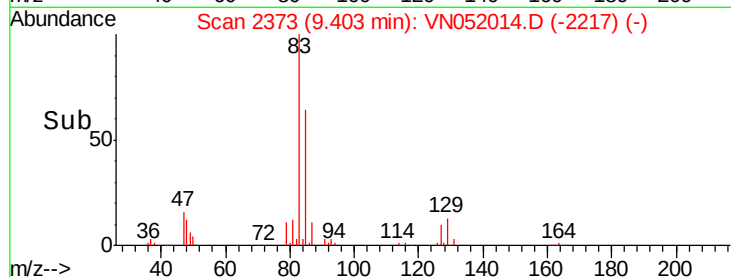
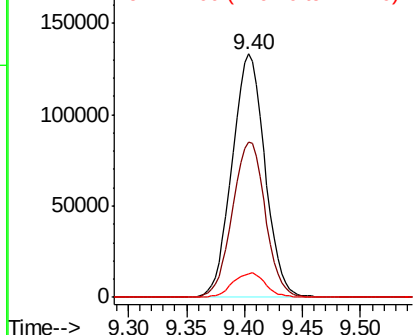
#41
Bromodichloromethane
Concen: 19.574 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion: 83 Resp: 260935
Ion Ratio Lower Upper
83 100
85 63.9 55.7 83.5
127 9.8 8.2 12.4

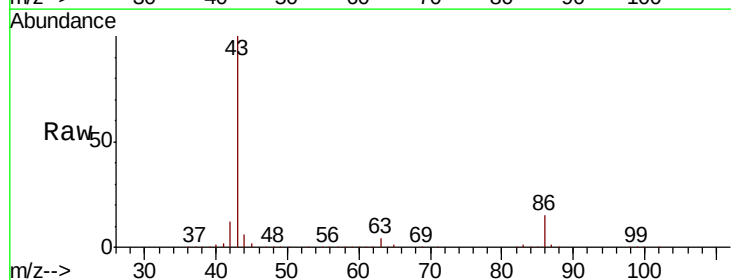


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

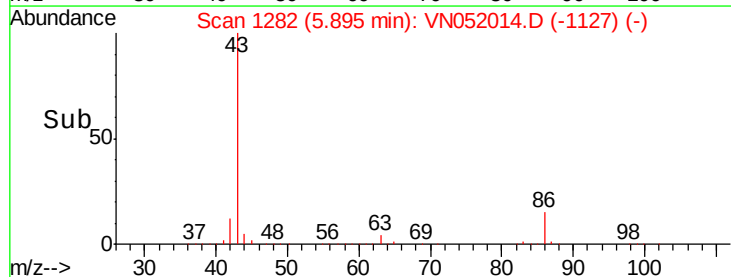
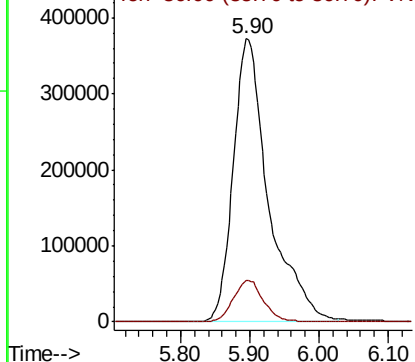


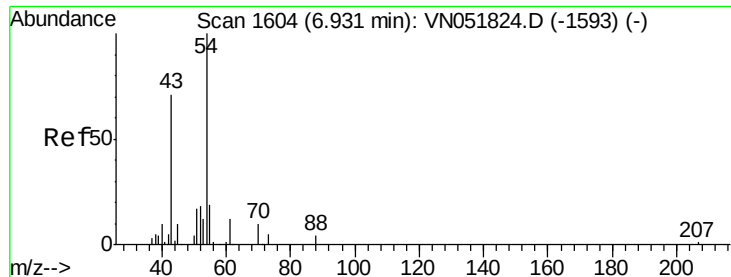
#42
Vinyl Acetate
Concen: 90.262 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 43 Resp: 1325690
Ion Ratio Lower Upper
43 100
86 12.4 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

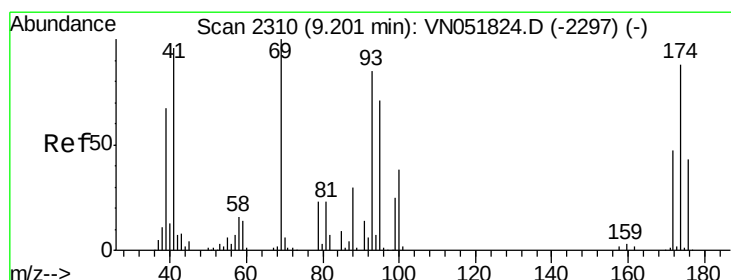
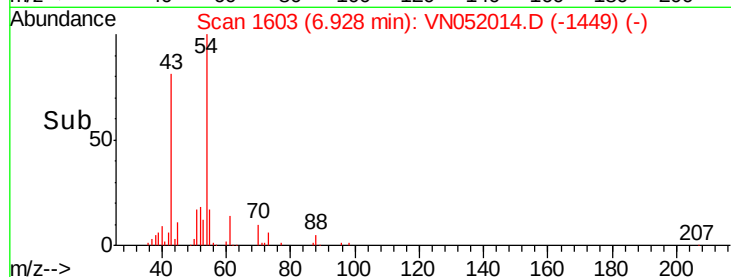
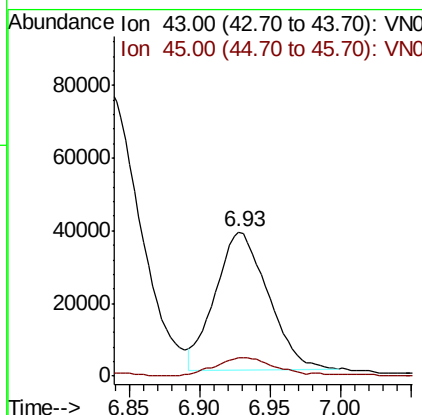
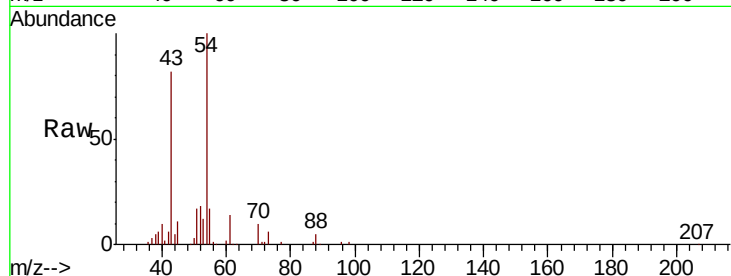




#43
Ethyl Acetate
Concen: 17.364 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

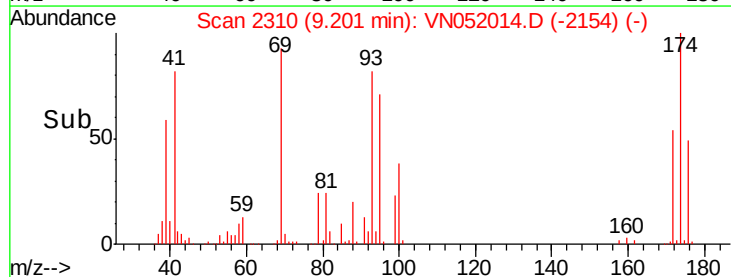
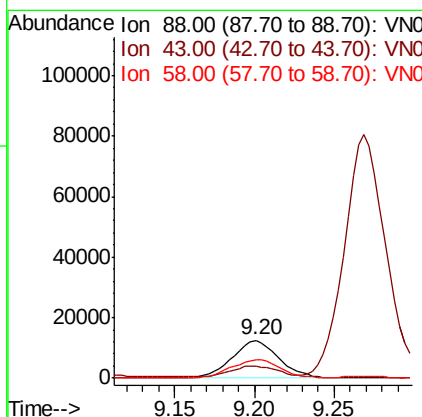
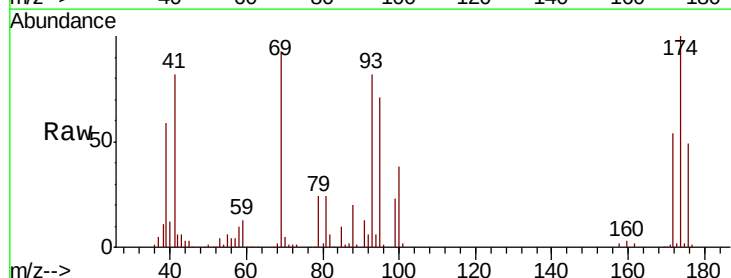
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

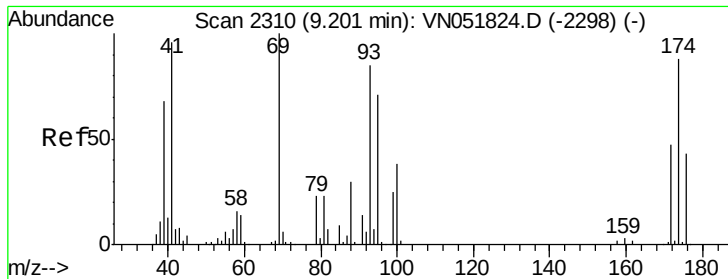
Tot Ion: 43 Resp: 98368
Ion Ratio Lower Upper
43 100
45 13.6 11.0 16.6



#45
1,4-Dioxane
Concen: 273.479 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 88 Resp: 24848
Ion Ratio Lower Upper
88 100
43 29.7 26.2 39.2
58 51.5 65.6 98.4#

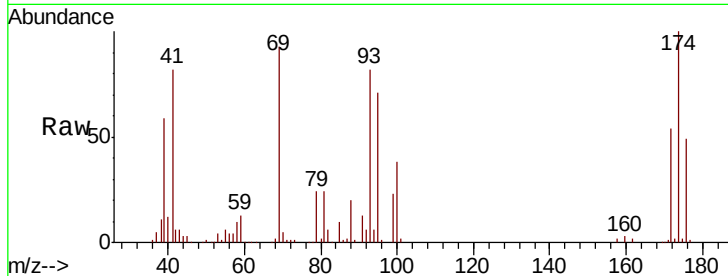




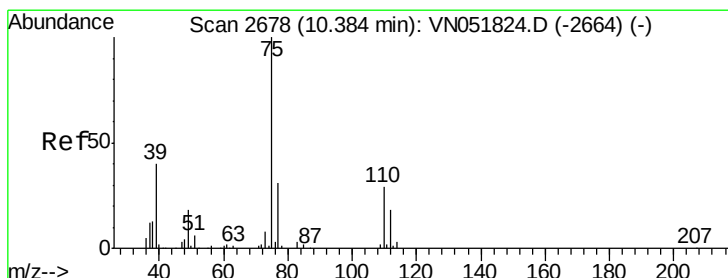
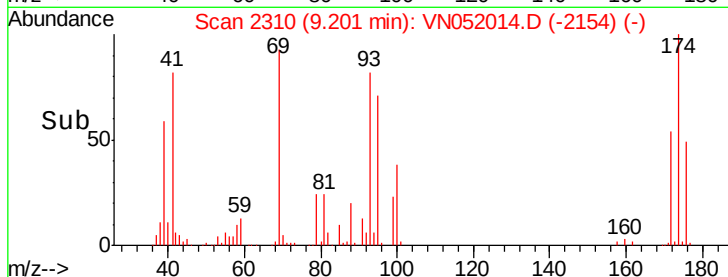
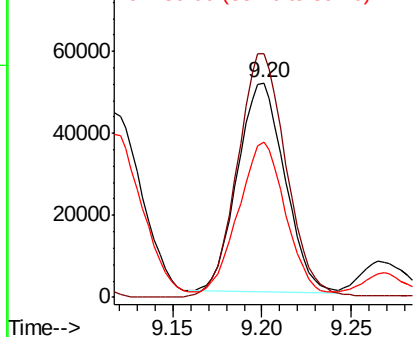
#46
Methvl methacrylate
Concen: 18.200 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion: 41 Resp: 94994
Ion Ratio Lower Upper
41 100
69 116.2 40.7 122.1
39 71.8 27.3 81.9

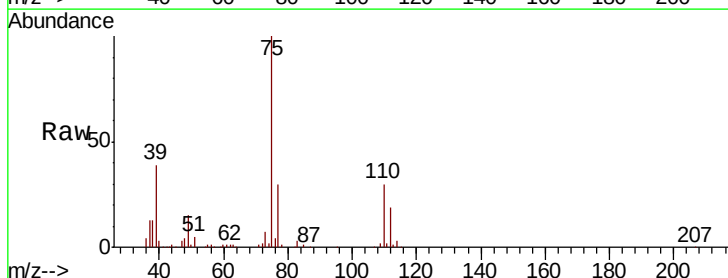


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

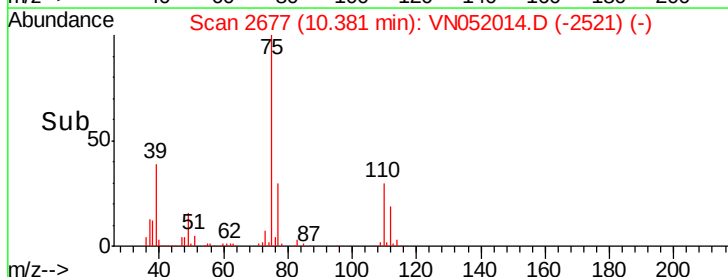
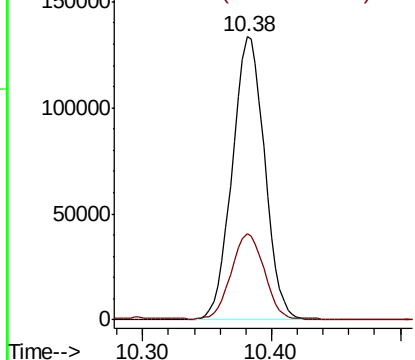


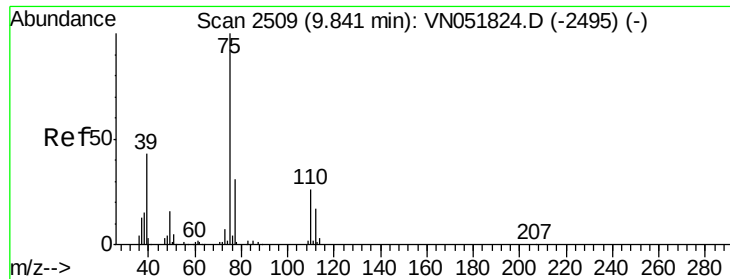
#48
t-1,3-Dichloropropene
Concen: 17.960 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 75 Resp: 233464
Ion Ratio Lower Upper
75 100
77 30.3 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0



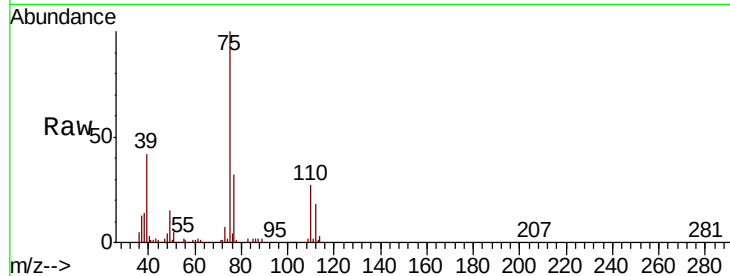


#49

cis-1,3-Dichloropropene
Concen: 19.315 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	23.2	34.8
39	41.6	34.6	52.0

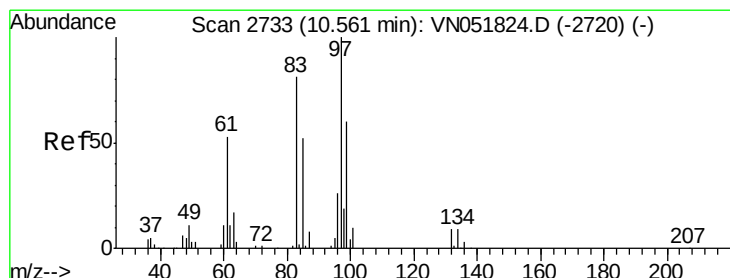
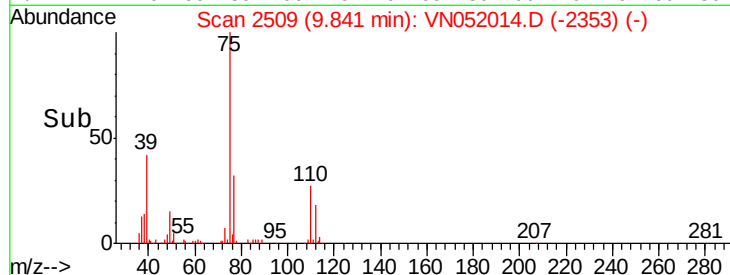
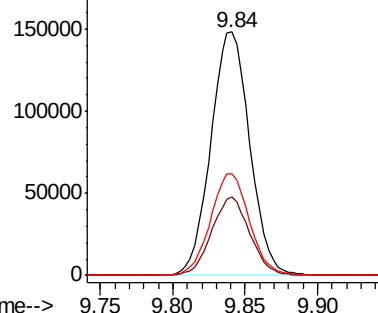


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

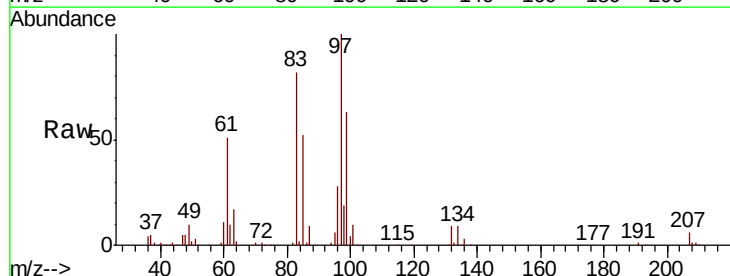
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane
Concen: 20.932 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.5	68.2	102.4
85	52.5	42.5	63.7
99	63.0	44.3	66.5



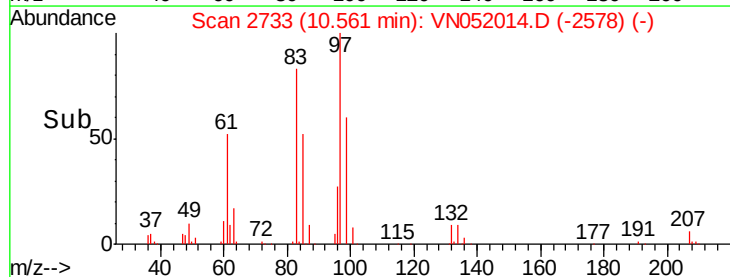
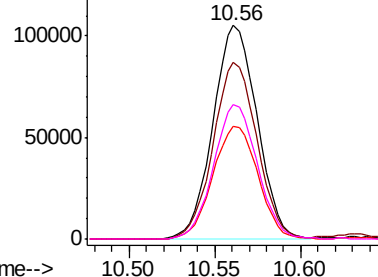
Abundance

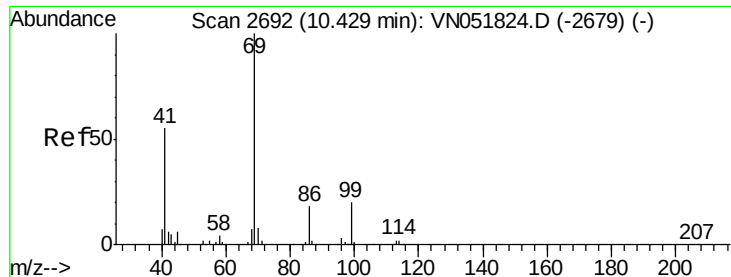
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 18.875 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

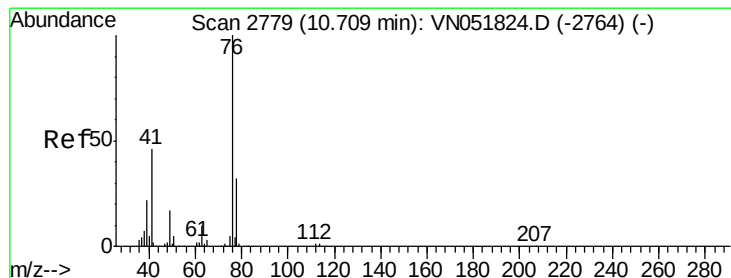
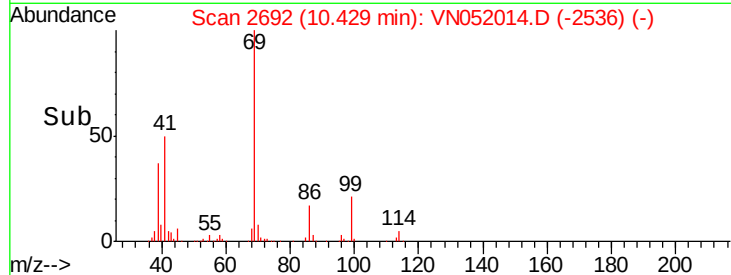
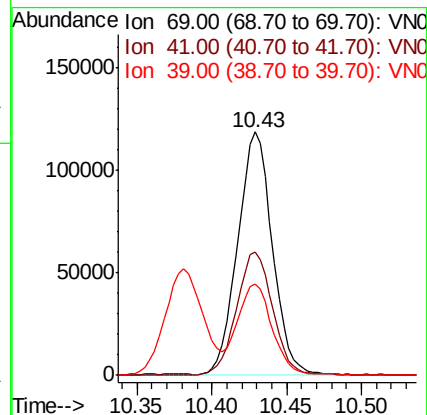
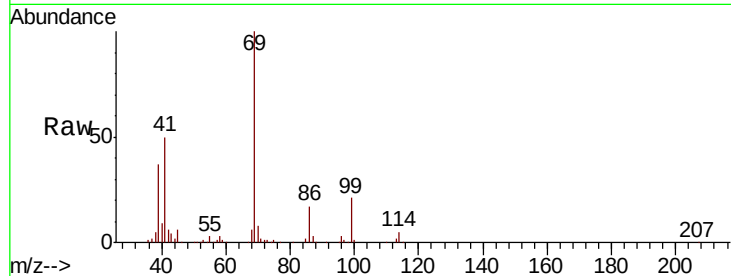
Tot Ion: 69 Resp: 192691

Ion Ratio Lower Upper

69 100

41 50.2 34.4 103.1

39 37.1 16.3 48.8



#52

1,3-Dichloropropane

Concen: 20.540 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052014.D

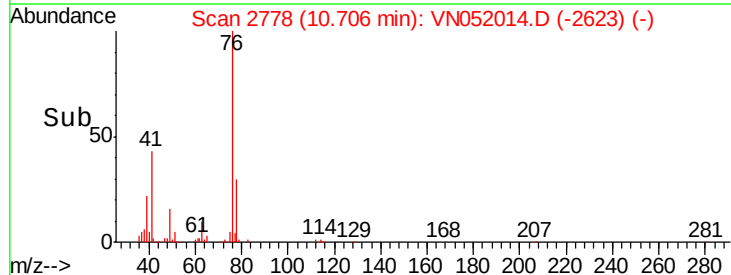
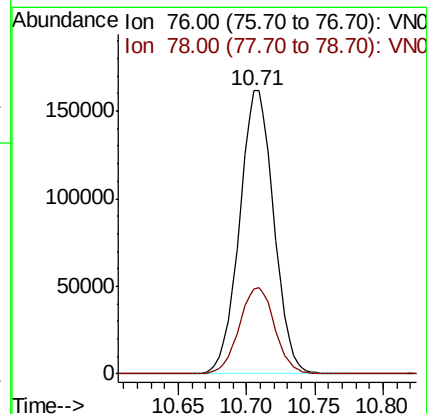
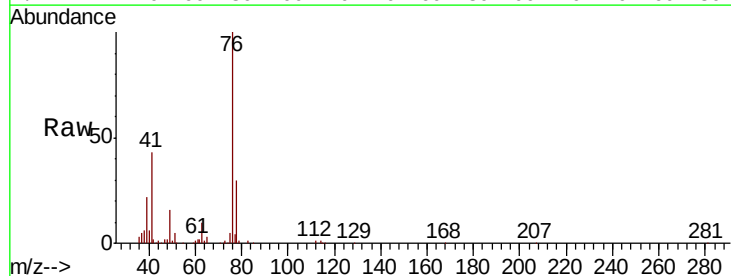
Acq: 25 Oct 2018 16:57

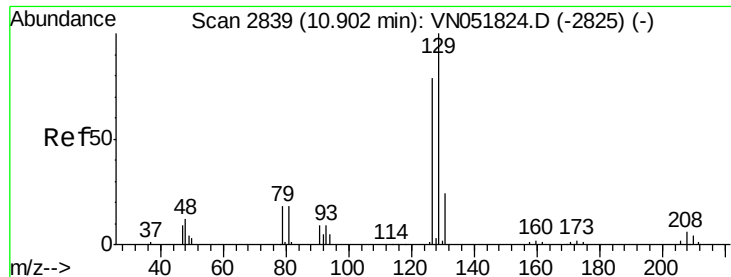
Tgt Ion: 76 Resp: 282676

Ion Ratio Lower Upper

76 100

78 31.6 0.0 67.6





#53

Dibromochloromethane

Concen: 18.685 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

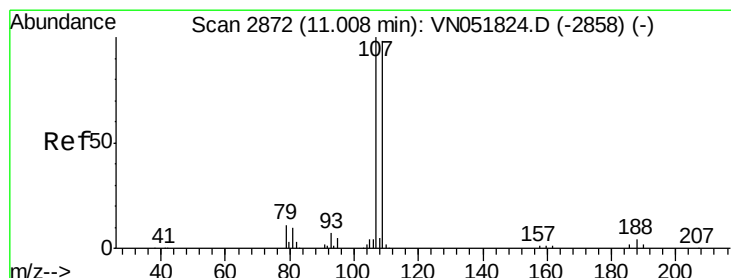
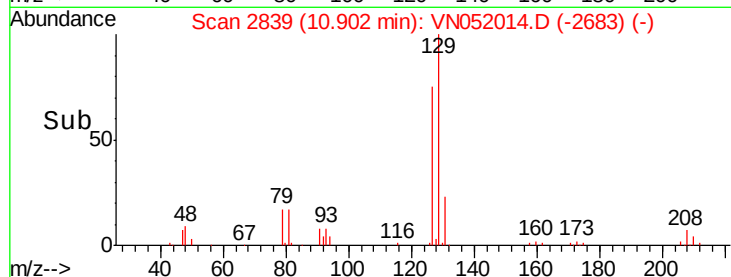
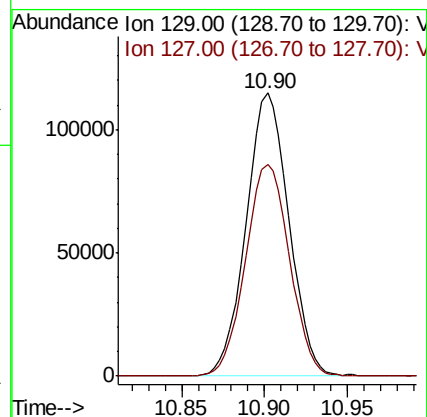
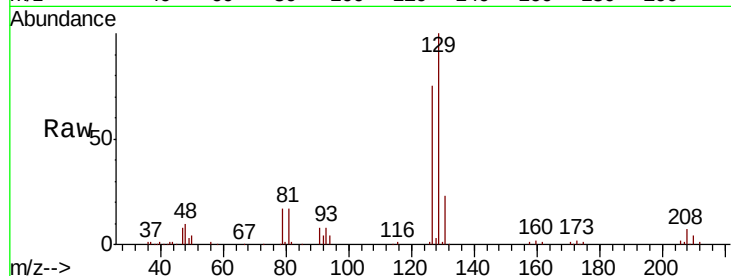
VN1025WBS02

Tot Ion:129 Resp: 206112

Ion Ratio Lower Upper

129 100

127 76.9 40.2 120.5



#54

1,2-Dibromoethane

Concen: 21.173 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052014.D

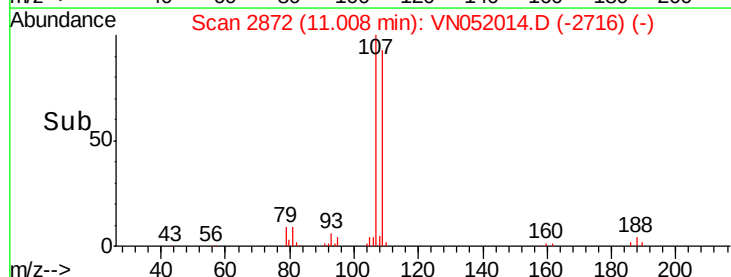
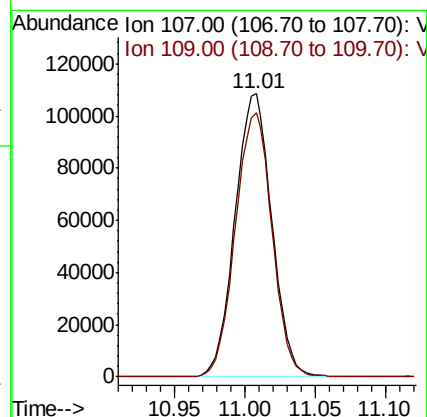
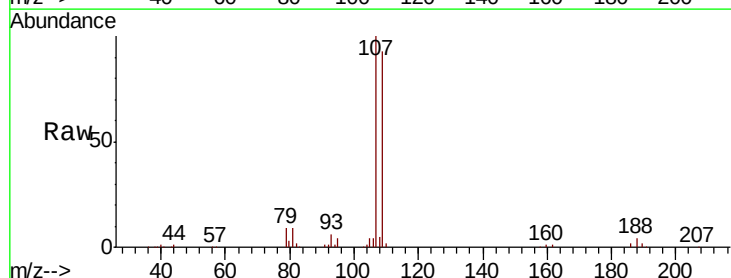
Acq: 25 Oct 2018 16:57

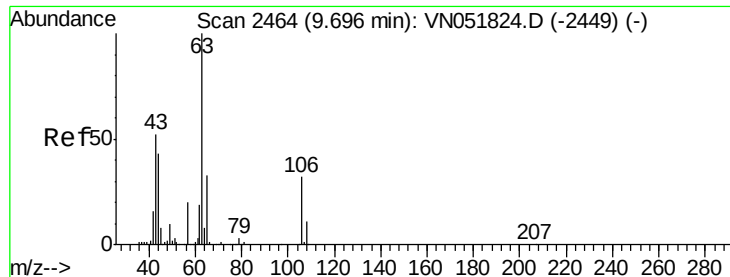
Tgt Ion:107 Resp: 198175

Ion Ratio Lower Upper

107 100

109 93.0 77.4 116.0

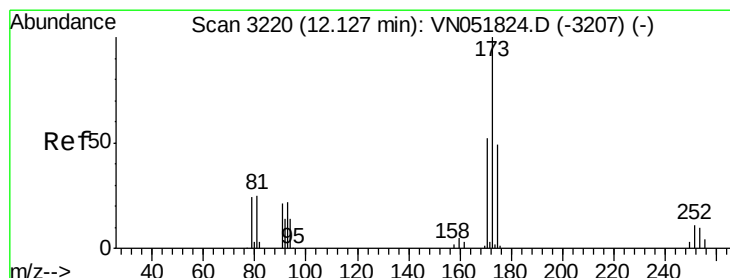
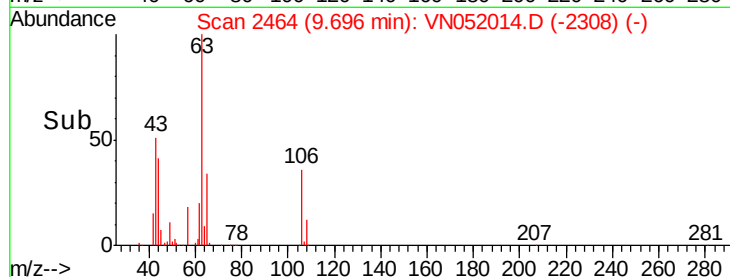
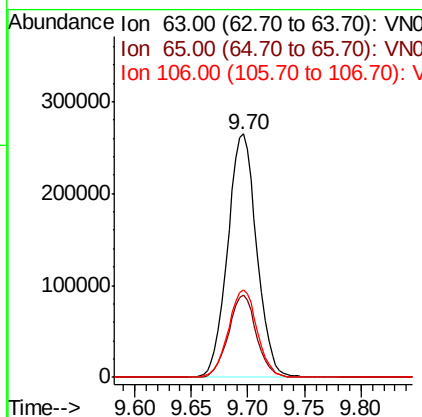
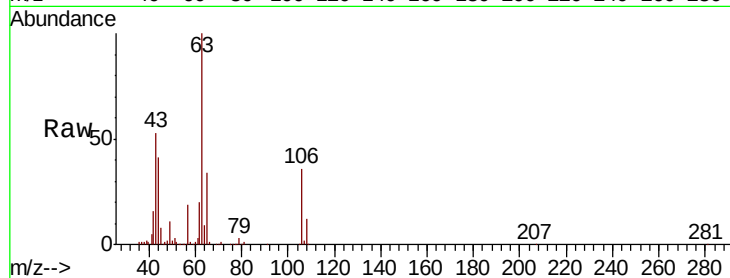




#55
 2-Chloroethyl vinyl ether
 Concen: 108.522 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

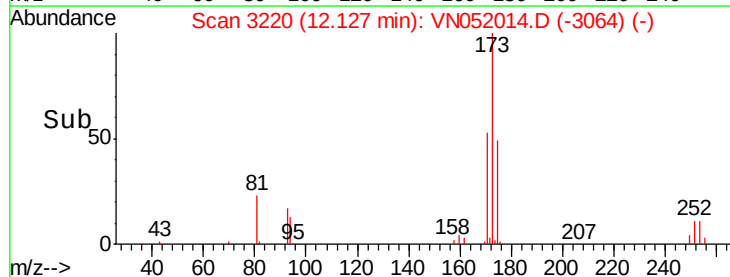
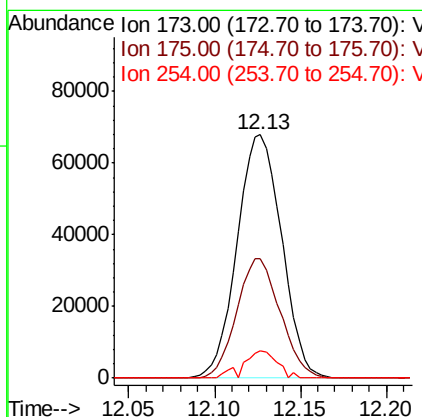
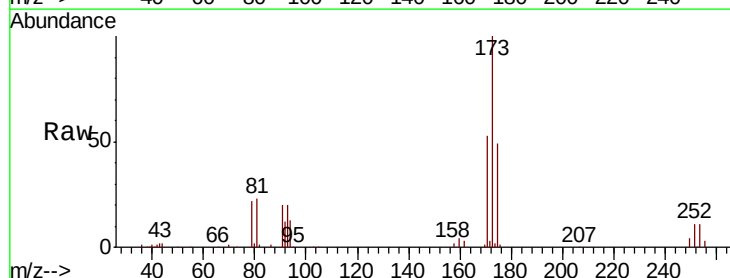
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

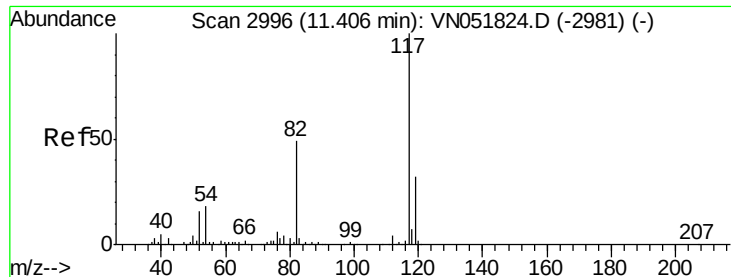
Tot Ion: 63 Resp: 473609
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.4 38.0
 106 35.7 21.2 31.8#



#56
 Bromoform
 Concen: 16.823 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion: 173 Resp: 122390
 Ion Ratio Lower Upper
 173 100
 175 47.9 35.8 53.8
 254 7.1 8.6 13.0#

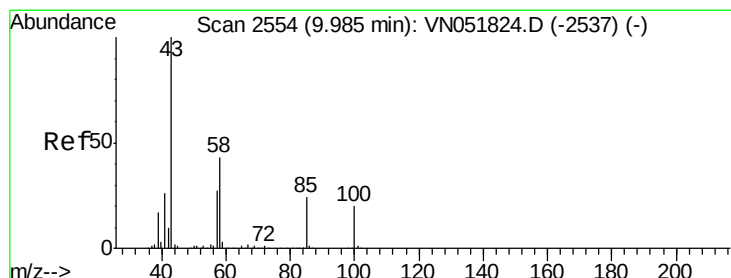
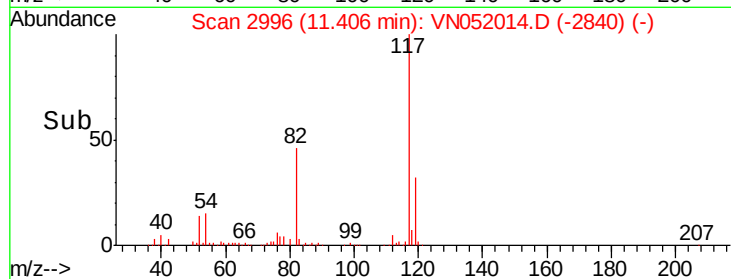
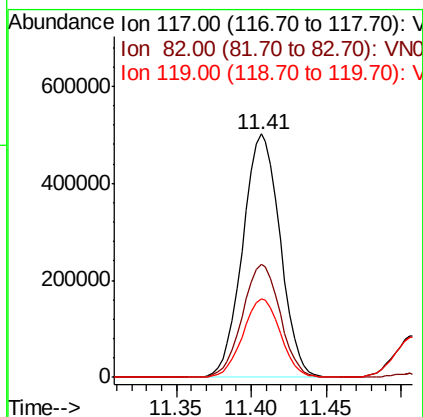
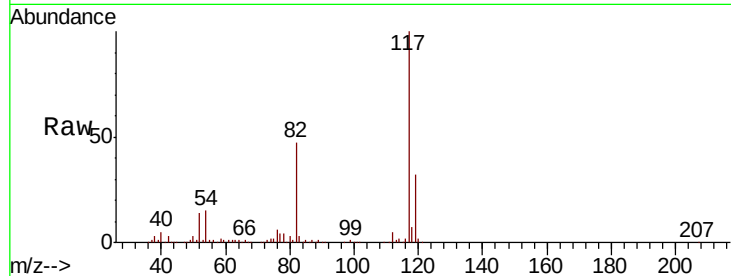




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

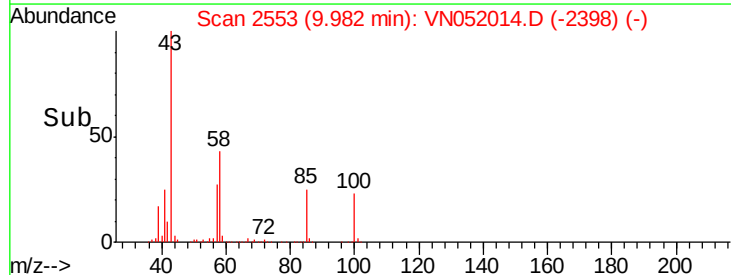
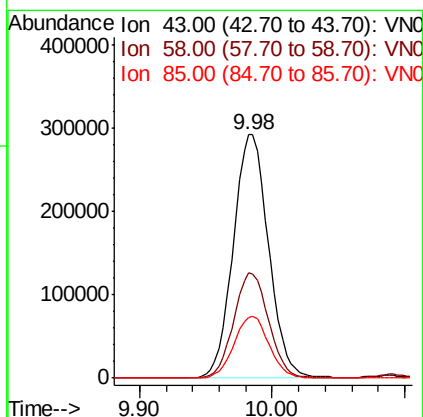
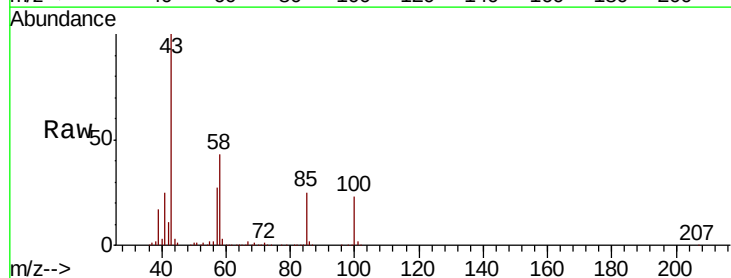
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

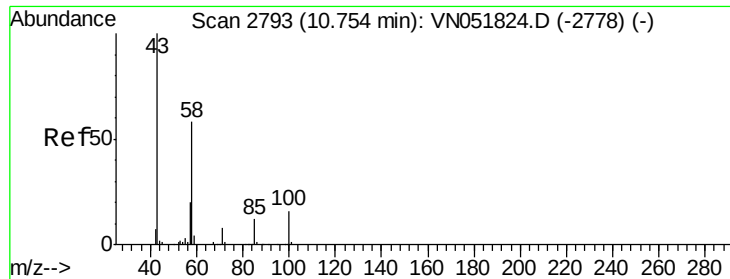
Tot Ion	Ratio	Lower	Upper
117	100		
82	46.7	44.1	66.1
119	32.3	25.8	38.8



#58
4-Methyl-2-Pentanone
Concen: 92.000 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.9	29.3	43.9
85	25.3	12.6	18.8

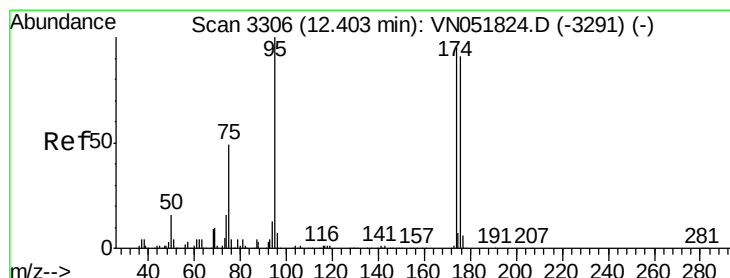
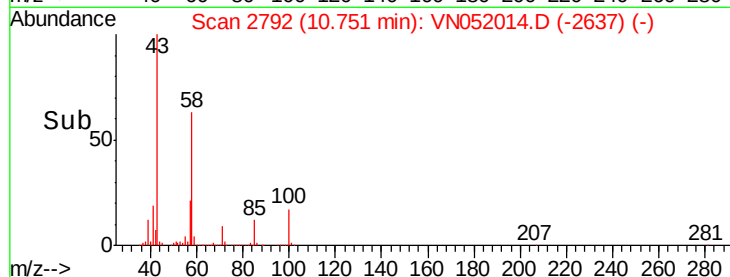
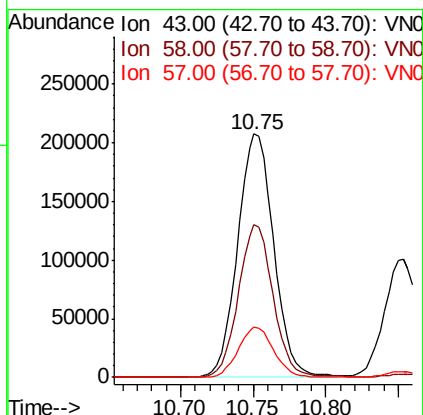
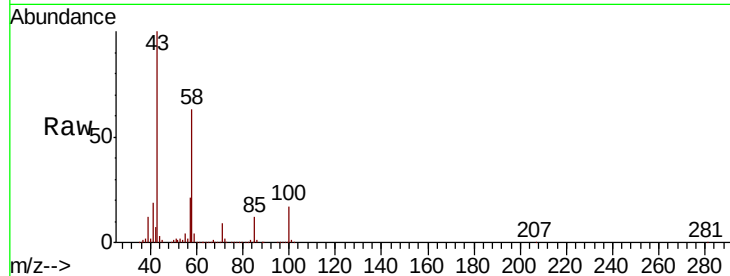




#59
2-Hexanone
Concen: 90.478 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

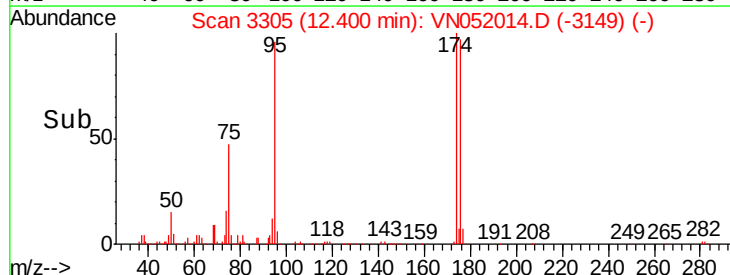
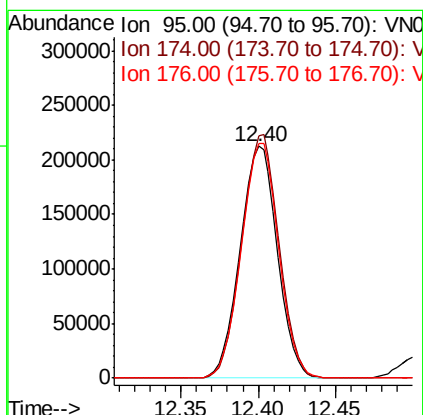
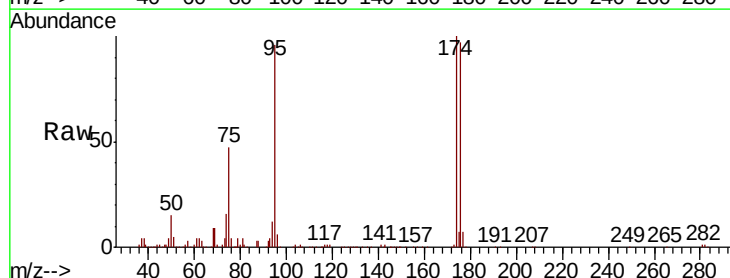
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

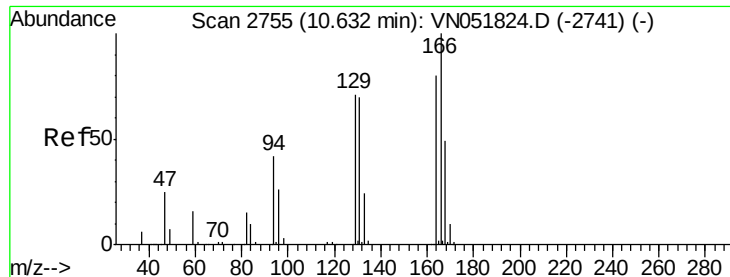
Tot Ion: 43 Resp: 357080
Ion Ratio Lower Upper
43 100
58 60.3 41.3 61.9
57 20.4 13.4 20.0#



#60
4-Bromofluorobenzene
Concen: 90.478 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 95 Resp: 355896
Ion Ratio Lower Upper
95 100
174 104.9 73.5 110.3
176 101.7 70.2 105.2





#61

Tetrachloroethene

Concen: 20.926 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

Tot Ion:164 Resp: 233946

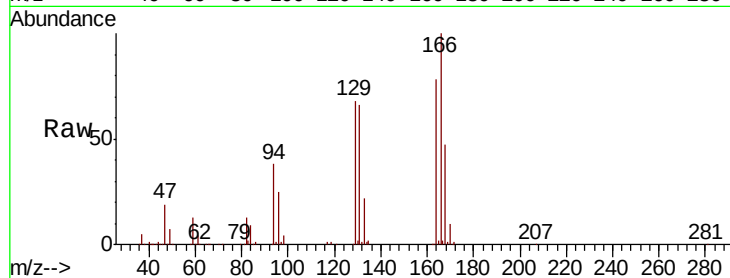
Ion Ratio Lower Upper

164 100

166 128.7 98.7 148.1

129 87.3 69.6 104.4

131 85.1 72.4 108.6

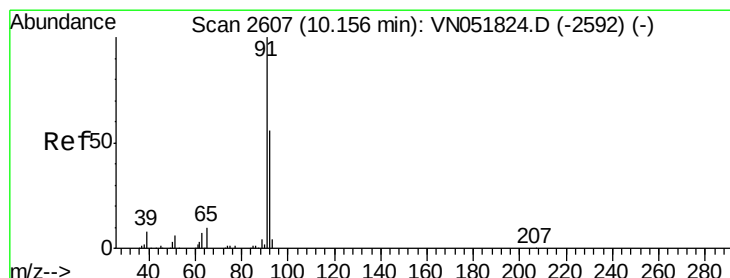
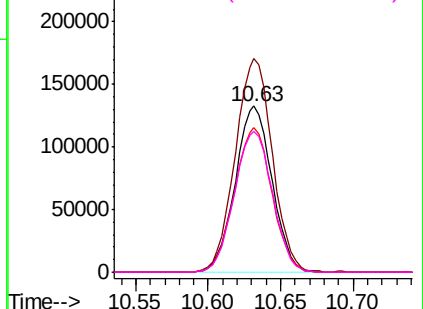
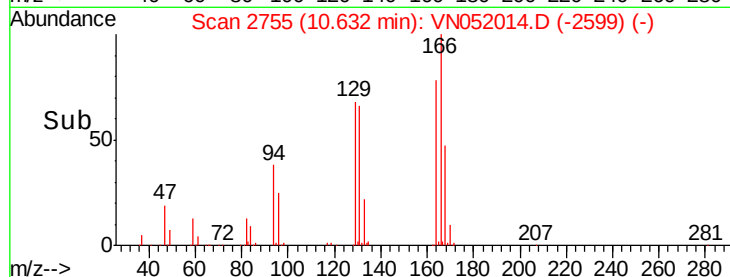


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.144 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052014.D

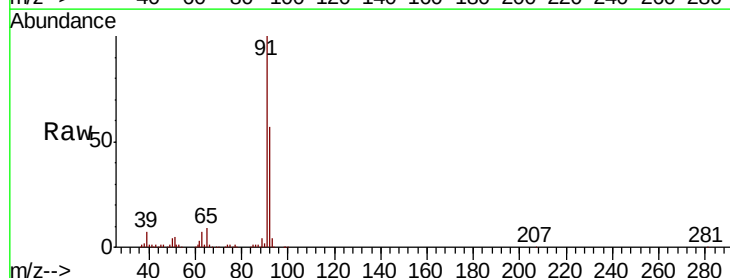
Acq: 25 Oct 2018 16:57

Tgt Ion: 91 Resp: 918242

Ion Ratio Lower Upper

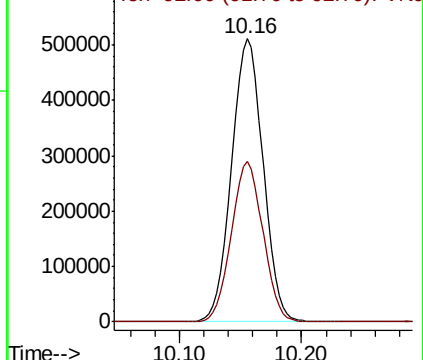
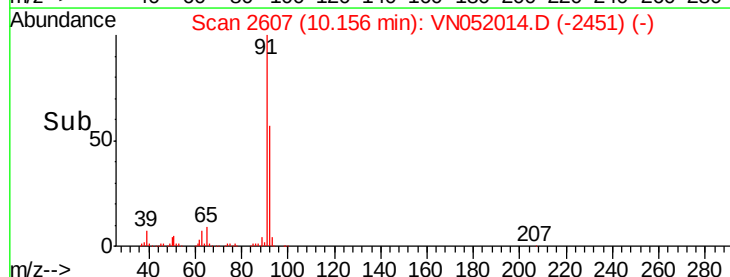
91 100

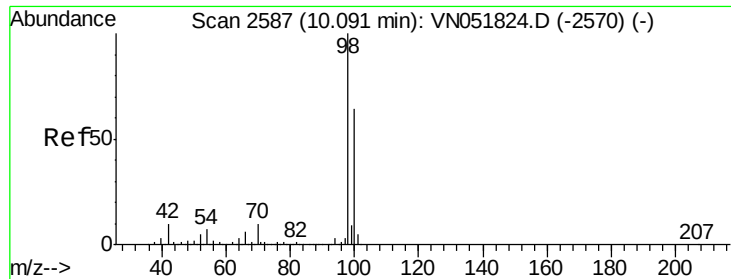
92 56.9 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 21.144 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

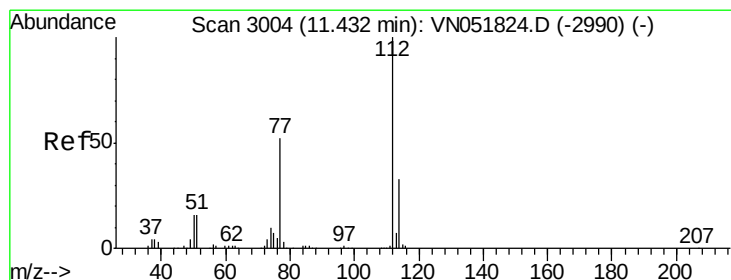
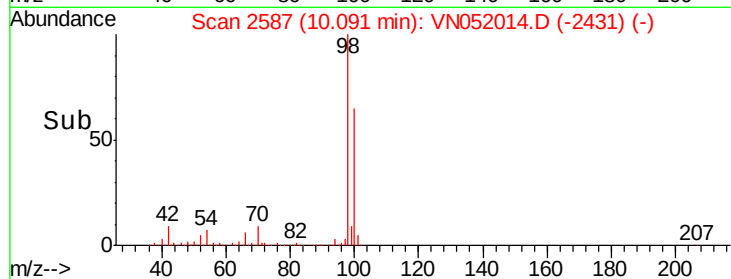
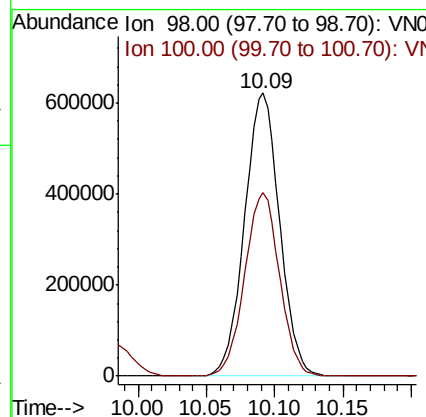
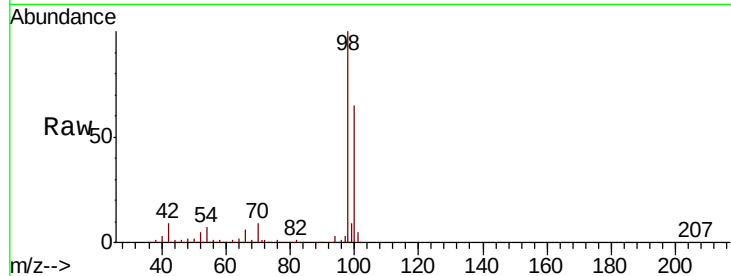
VN1025WBS02

Tot Ion: 98 Resp: 1109410

Ion Ratio Lower Upper

98 100

100 64.6 50.8 76.2



#64

Chlorobenzene

Concen: 22.013 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052014.D

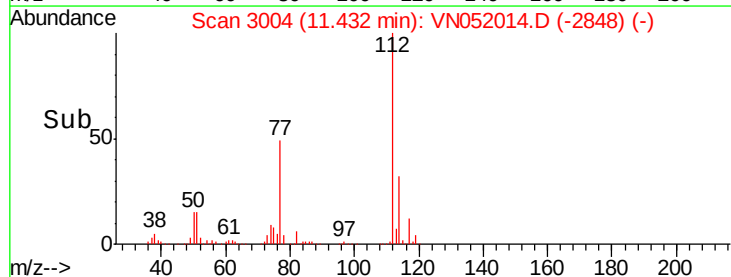
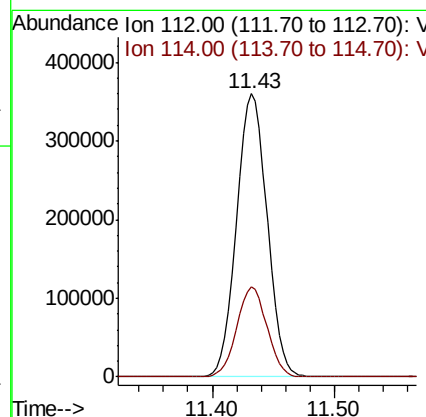
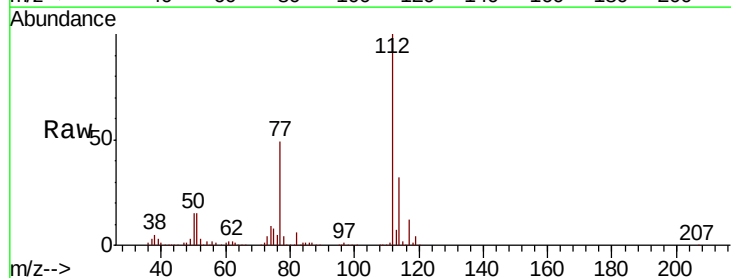
Acq: 25 Oct 2018 16:57

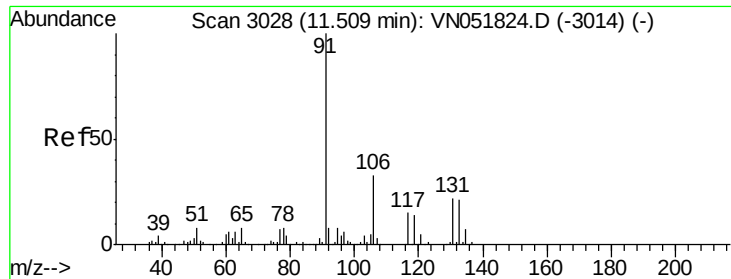
Tgt Ion: 112 Resp: 626080

Ion Ratio Lower Upper

112 100

114 31.8 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.920 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

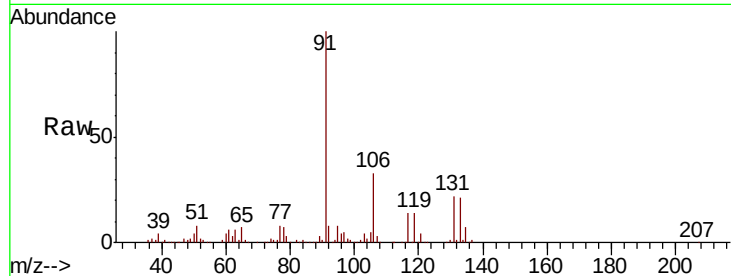
Tot Ion:131 Resp: 228379

Ion Ratio Lower Upper

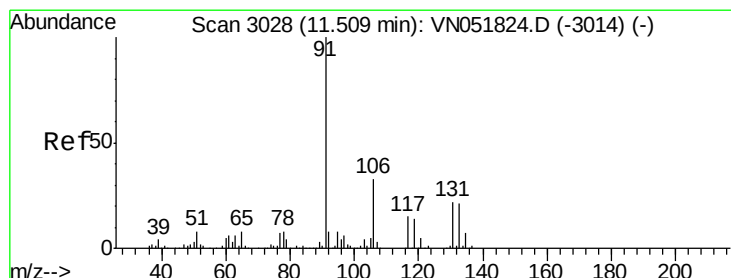
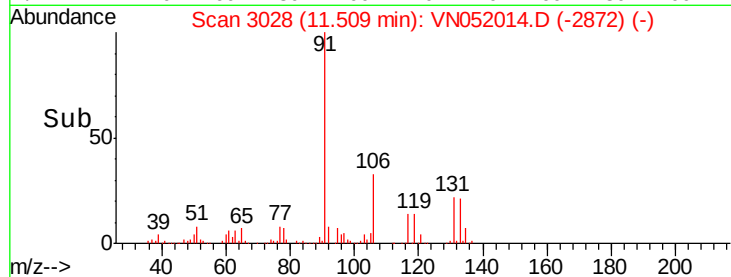
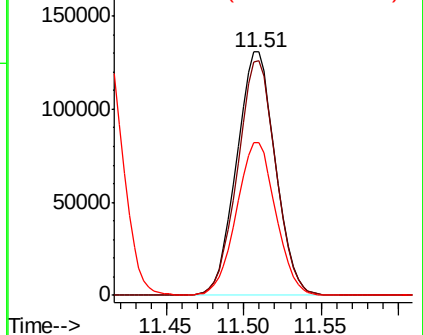
131 100

133 95.2 0.0 190.4

119 63.3 0.0 128.0



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: 20.583 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052014.D

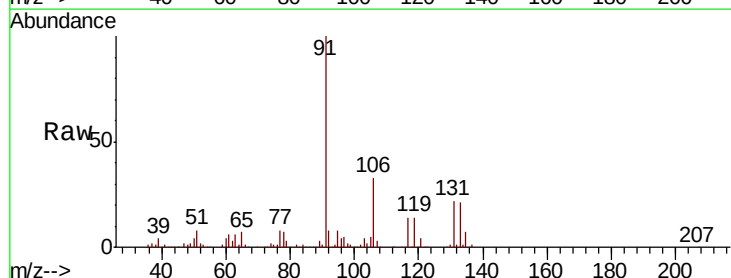
Acq: 25 Oct 2018 16:57

Tgt Ion: 91 Resp: 987885

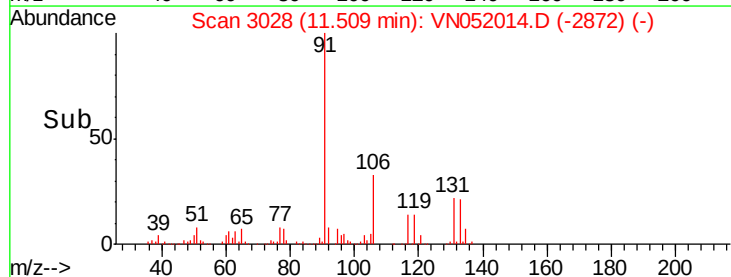
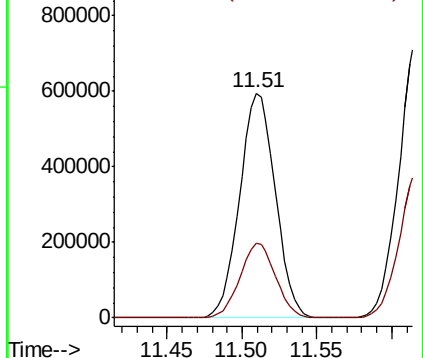
Ion Ratio Lower Upper

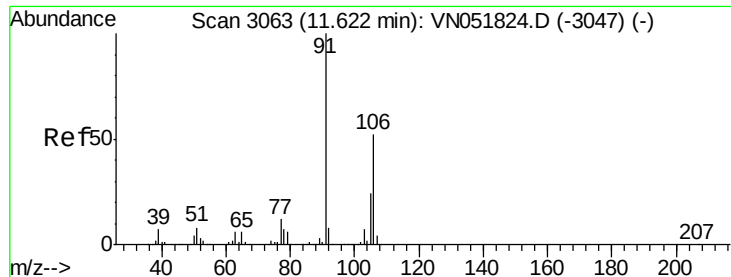
91 100

106 33.3 25.9 38.9



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





#67

m/p-Xylenes

Concen: 41.315 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampled :

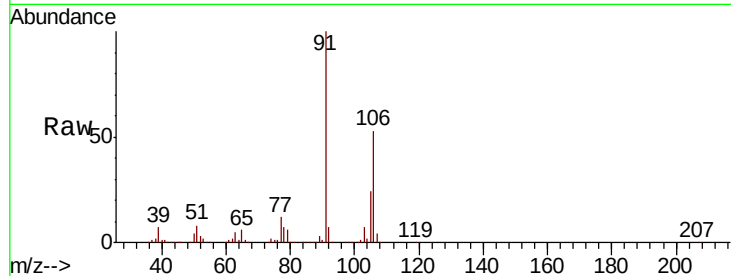
VN1025WBS02

Tot Ion:106 Resp: 803944

Ion Ratio Lower Upper

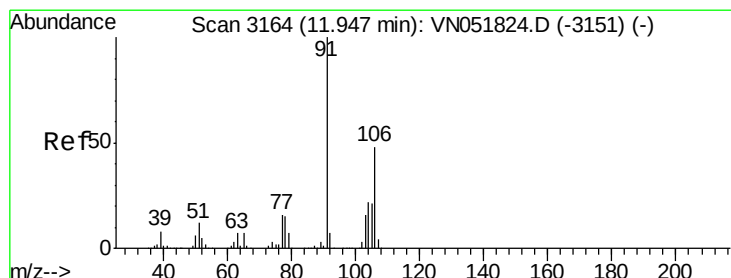
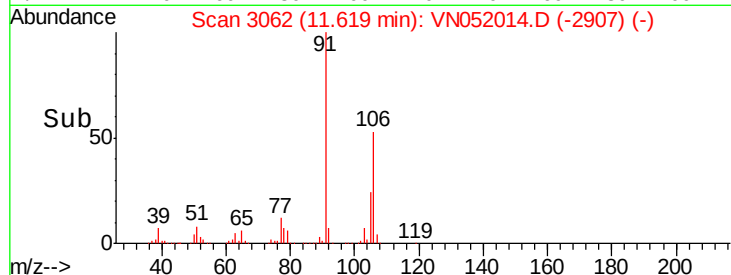
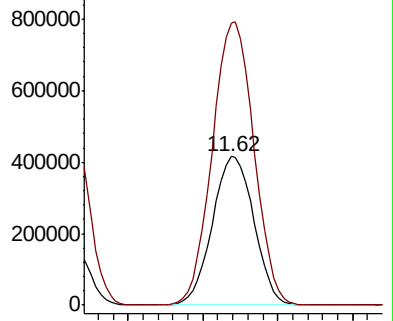
106 100

91 191.1 158.8 238.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.524 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN052014.D

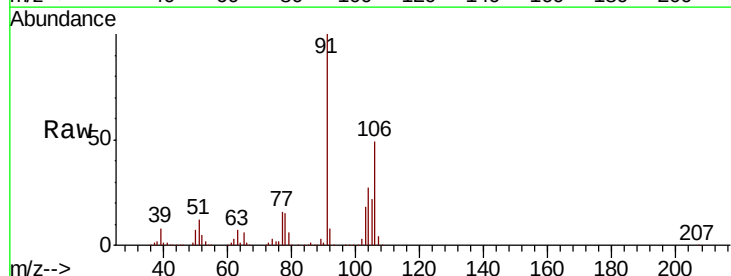
Acq: 25 Oct 2018 16:57

Tgt Ion:106 Resp: 393705

Ion Ratio Lower Upper

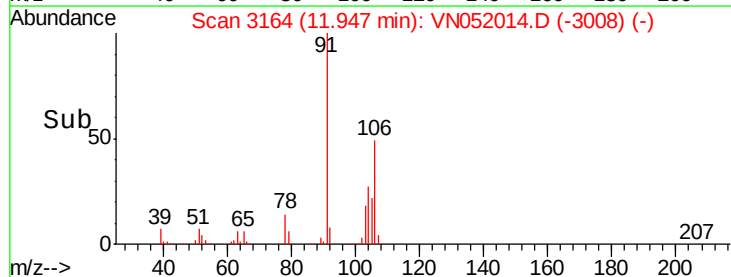
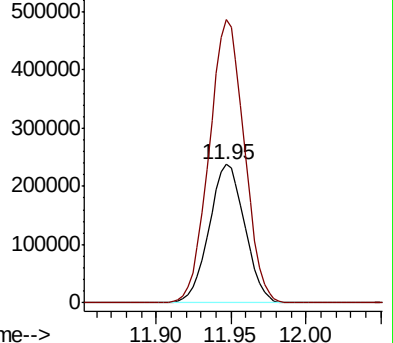
106 100

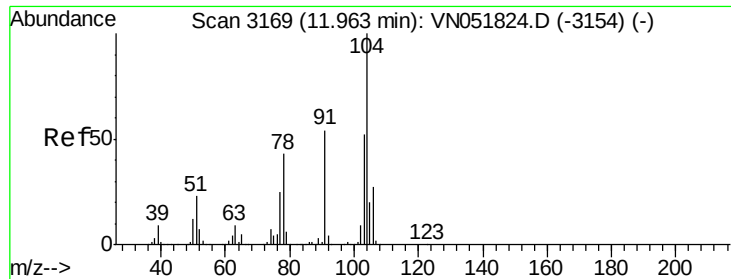
91 202.0 111.1 333.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

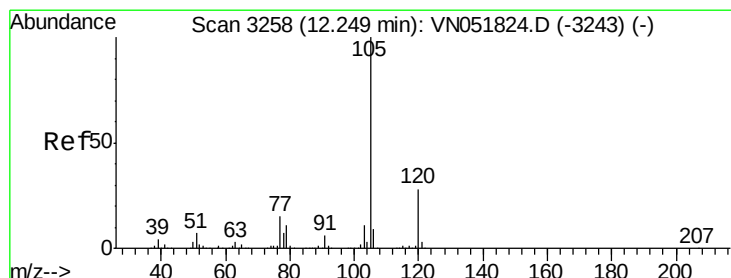
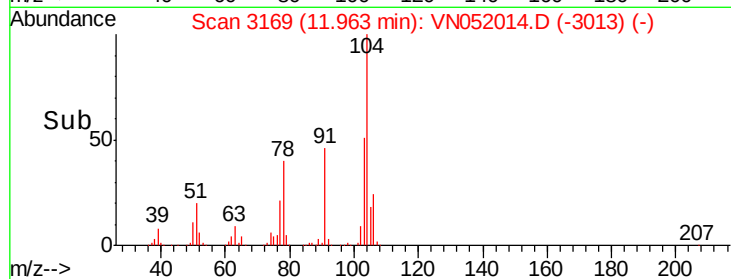
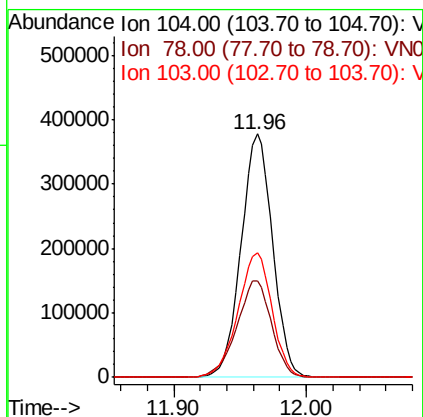
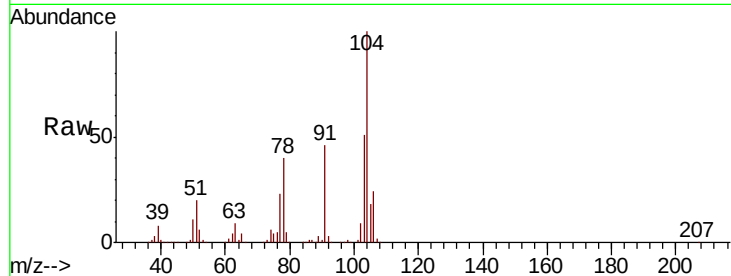




#69
Stvrene
Concen: 21.210 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

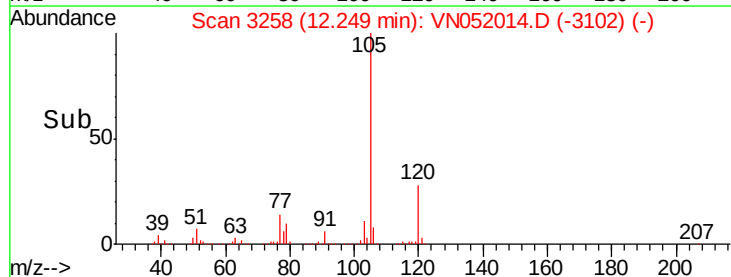
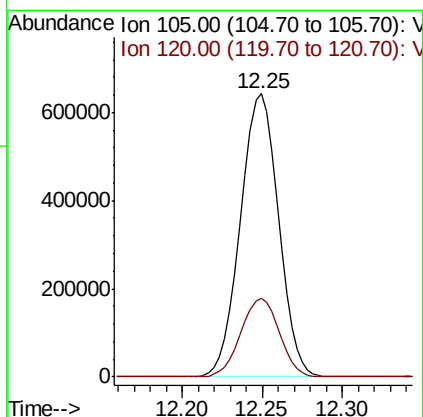
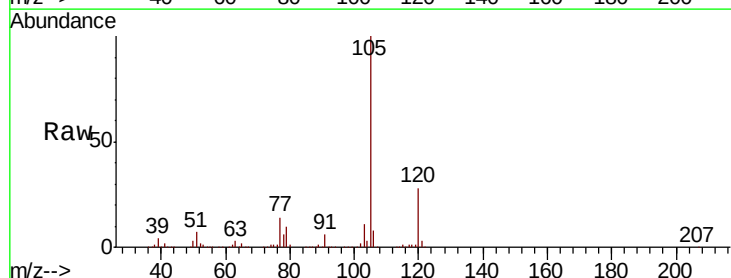
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

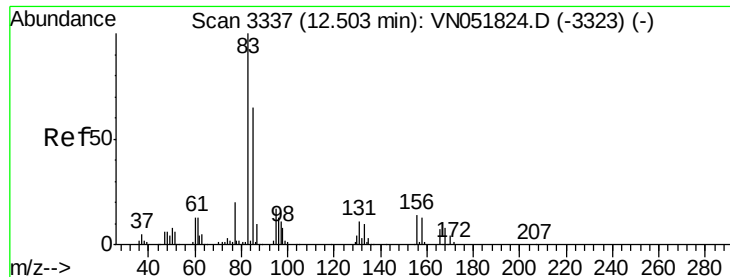
Tot Ion:104 Resp: 624248
Ion Ratio Lower Upper
104 100
78 43.5 40.6 60.8
103 55.0 44.0 66.0



#70
Isopropylbenzene
Concen: 20.419 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion:105 Resp: 1044557
Ion Ratio Lower Upper
105 100
120 27.9 19.0 35.4

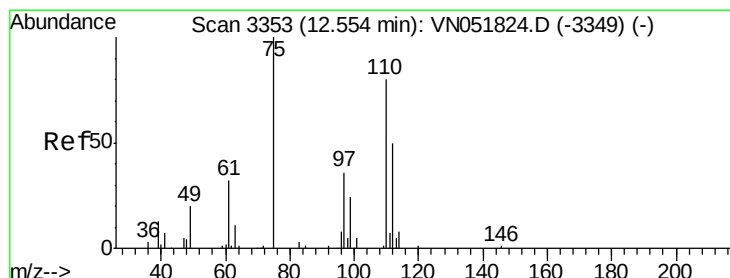
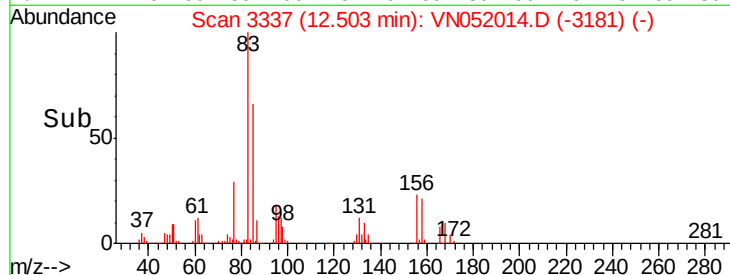
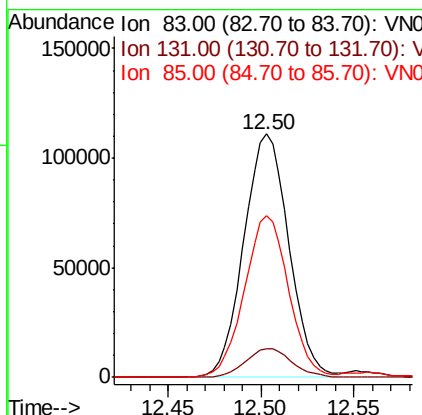
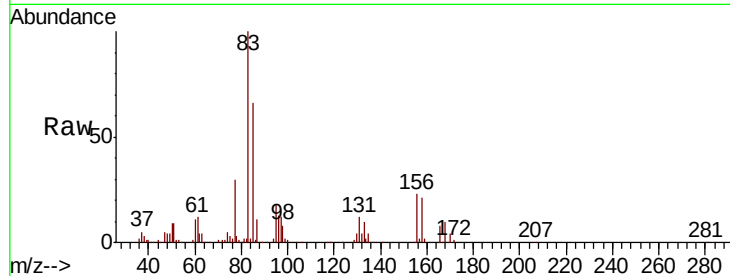




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.618 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

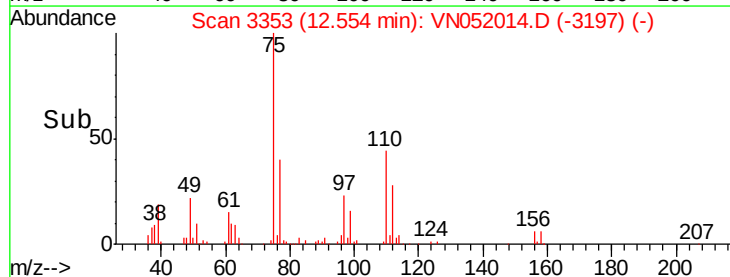
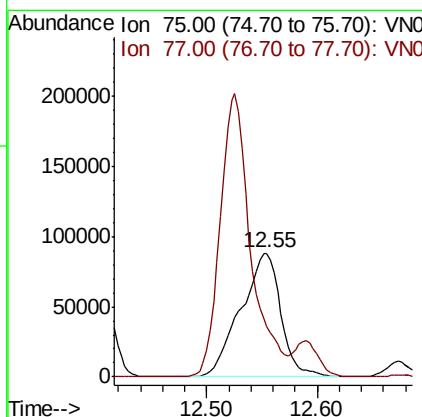
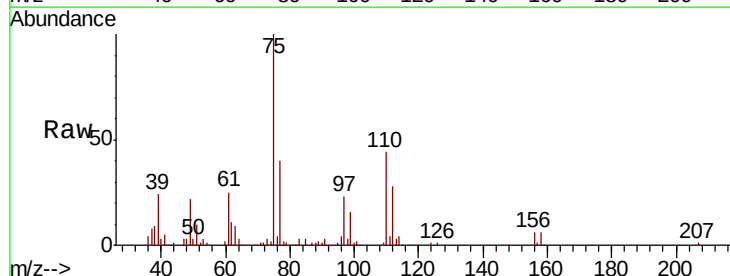
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

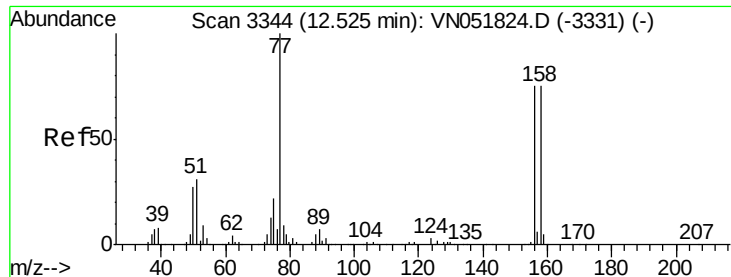
Tot Ion	83	Resp	188082
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.5	16.4
85	64.9	30.6	91.8



#72
 1,2,3-Trichloropropane
 Concen: 27.916 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion	75	Resp	221858
Ion Ratio	Lower	Upper	
75	100		
77	175.4	0.0	400.0





#73

Bromobenzene

Concen: 22.477 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampled :

VN1025WBS02

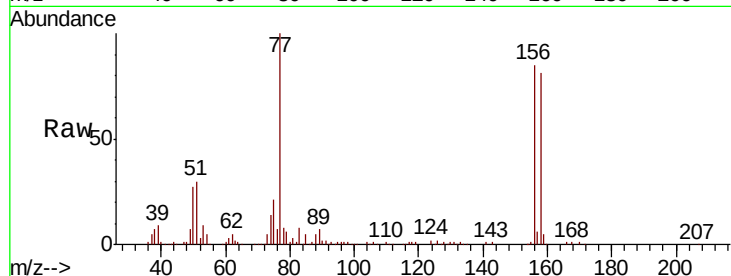
Tot Ion:156 Resp: 284803

Ion Ratio Lower Upper

156 100

77 136.6 0.0 377.4

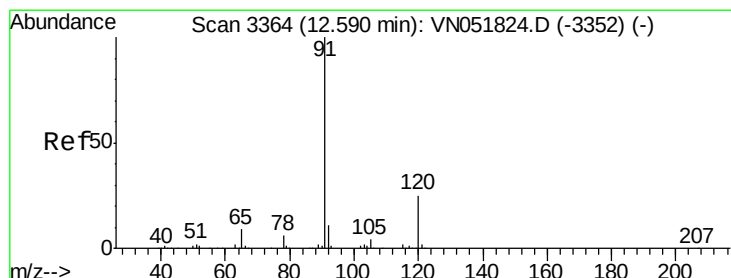
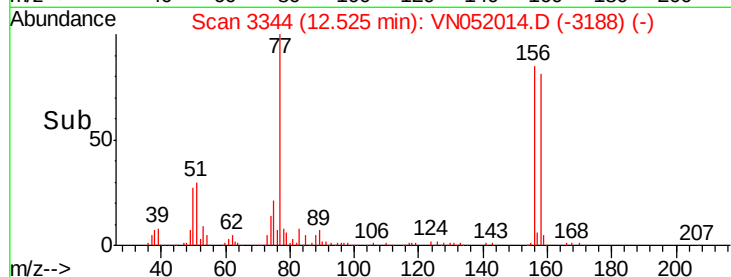
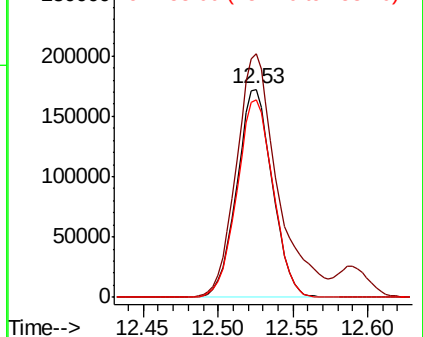
158 96.7 0.0 203.0



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: 20.076 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052014.D

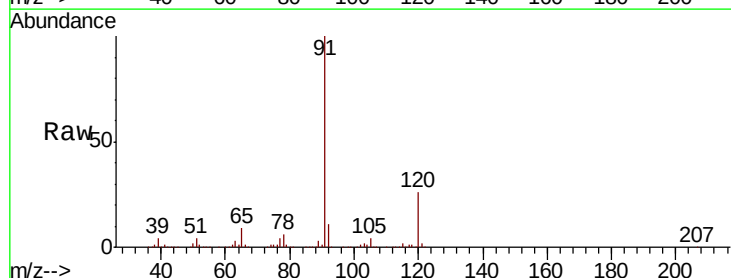
Acq: 25 Oct 2018 16:57

Tgt Ion: 91 Resp: 1104701

Ion Ratio Lower Upper

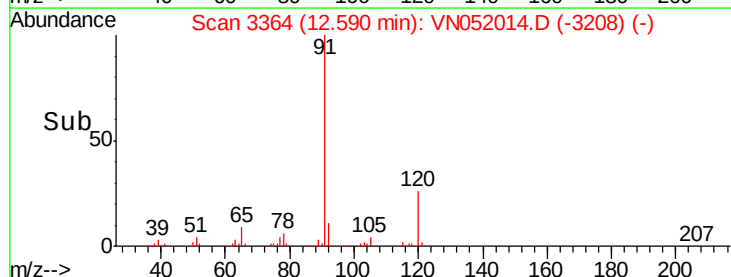
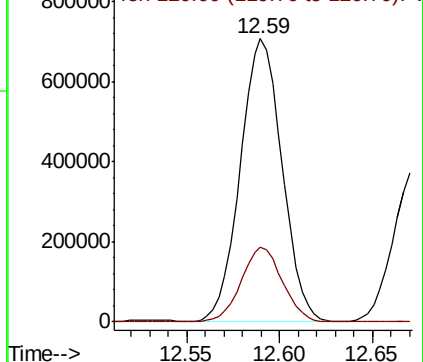
91 100

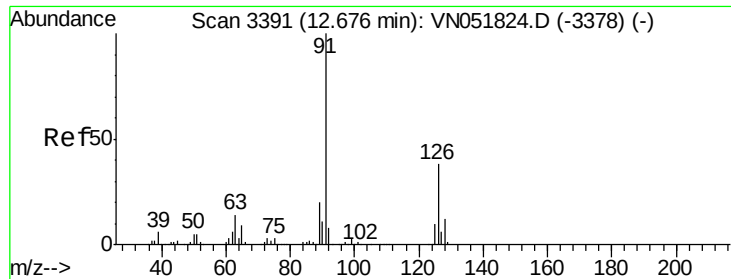
120 26.0 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.021 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

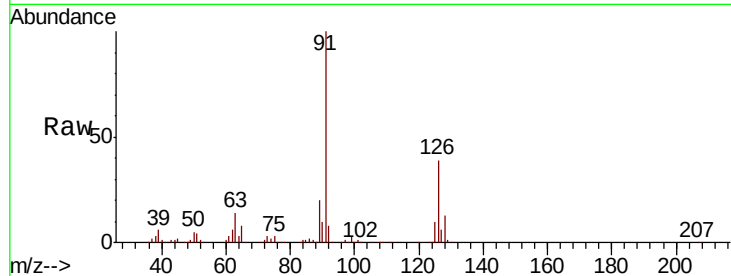
VN1025WBS02

Tot Ion: 91 Resp: 645862

Ion Ratio Lower Upper

91 100

126 39.4 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051824.D (-3378) (-)

800000

600000

400000

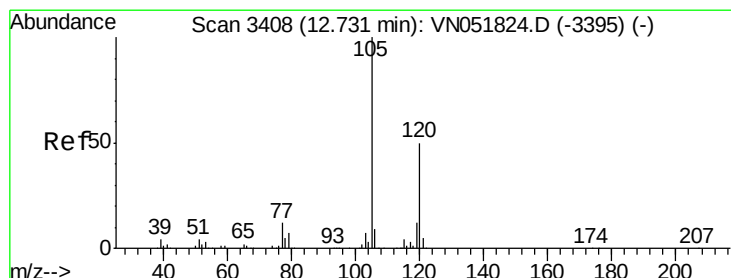
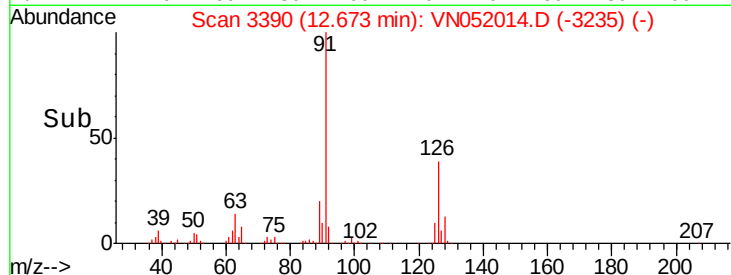
200000

0

12.60 12.65 12.70

12.67

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.892 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052014.D

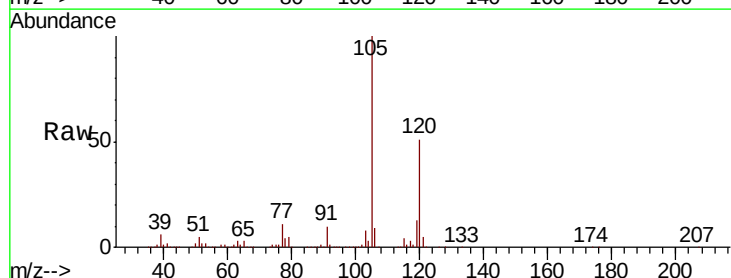
Acq: 25 Oct 2018 16:57

Tgt Ion: 105 Resp: 841470

Ion Ratio Lower Upper

105 100

120 50.8 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051824.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN051824.D (-3395) (-)

600000

500000

400000

300000

200000

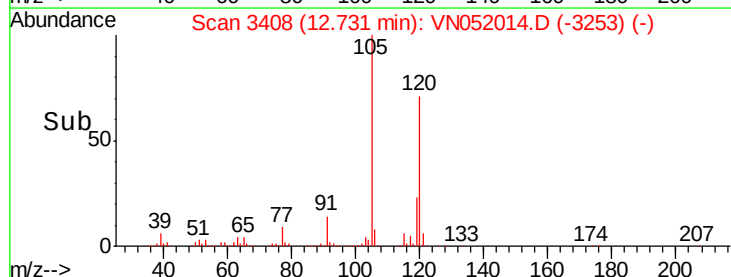
100000

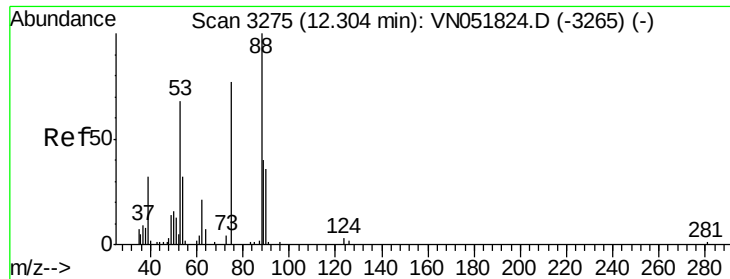
0

12.65 12.70 12.75 12.80

12.73

Time-->



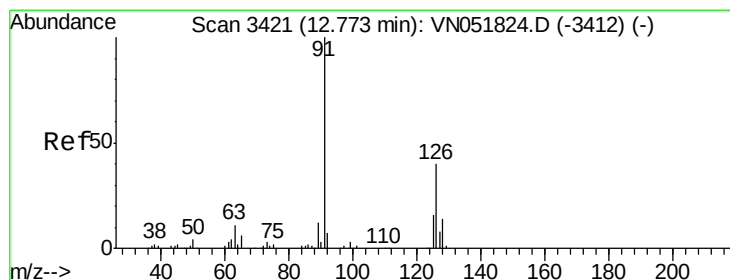
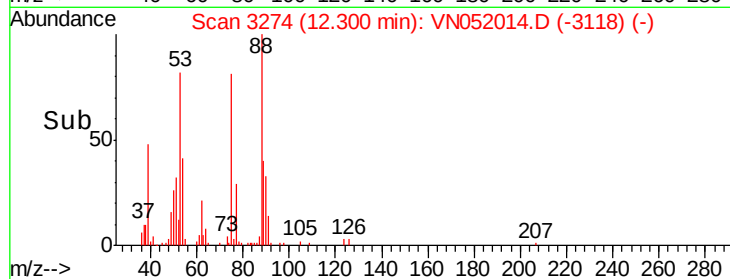
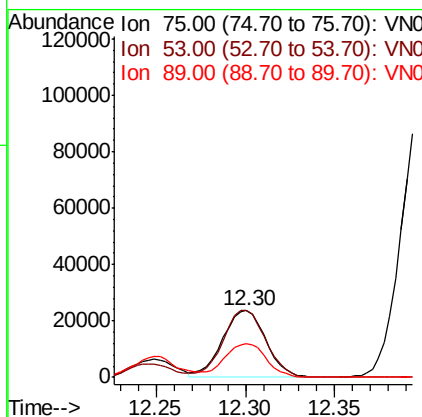
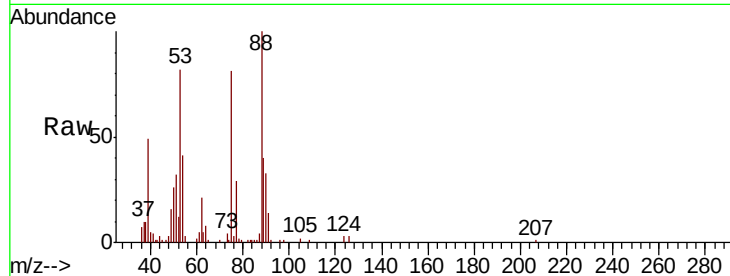


#77
t-1,4-Dichloro-2-butene
Concen: 15.345 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion: 75 Resp: 40334

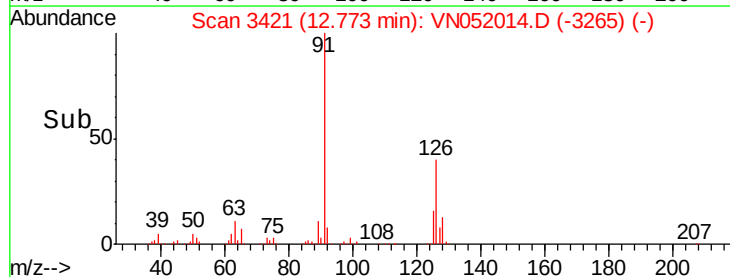
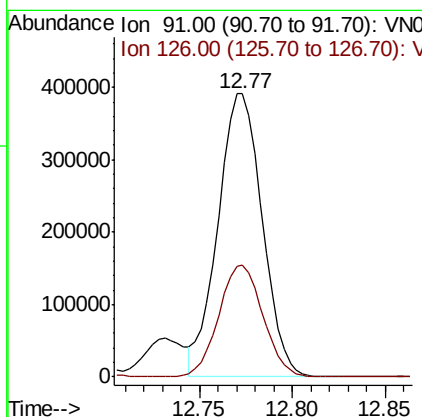
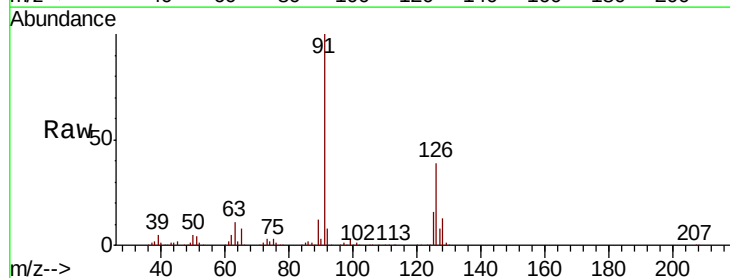
Ion	Ratio	Lower	Upper
75	100		
53	101.3	46.3	138.9
89	50.5	24.6	73.8

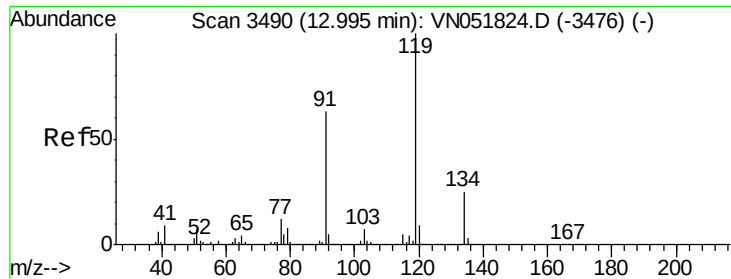


#78
4-Chlorotoluene
Concen: 20.448 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 91 Resp: 648087

Ion	Ratio	Lower	Upper
91	100		
126	39.4	0.0	65.2

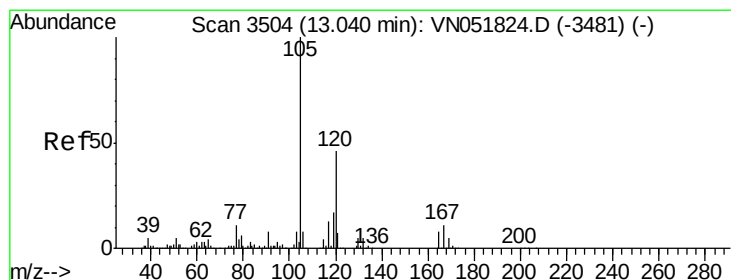
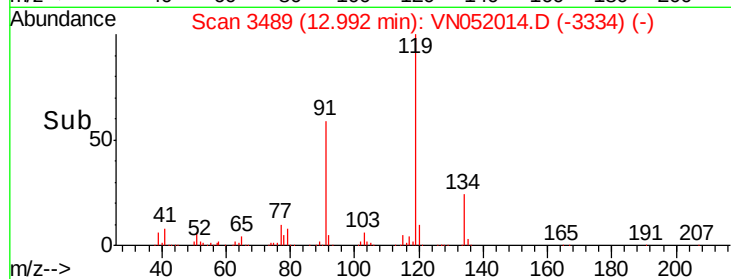
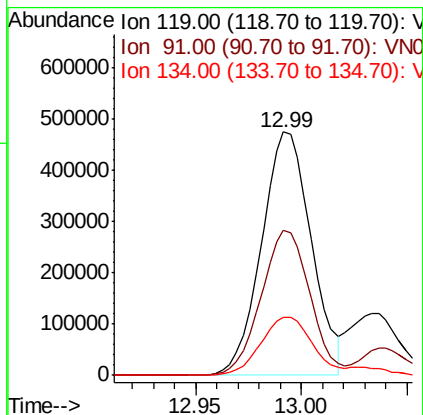
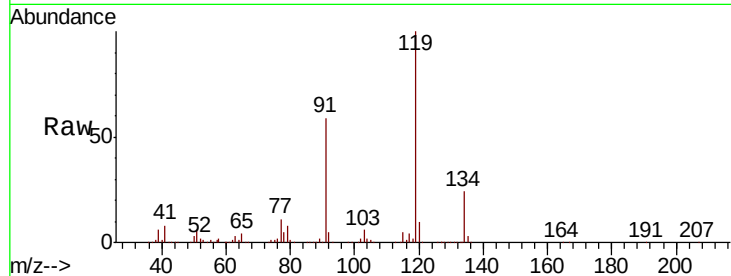




#79
tert-butylbenzene
Concen: 20.061 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

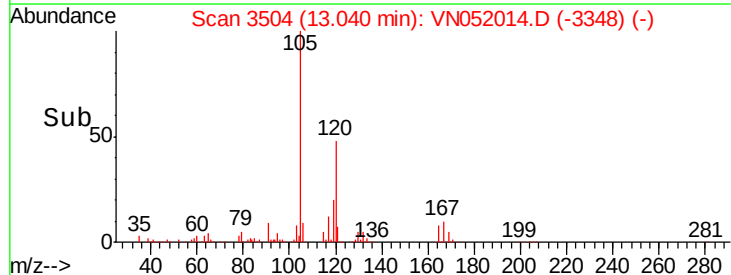
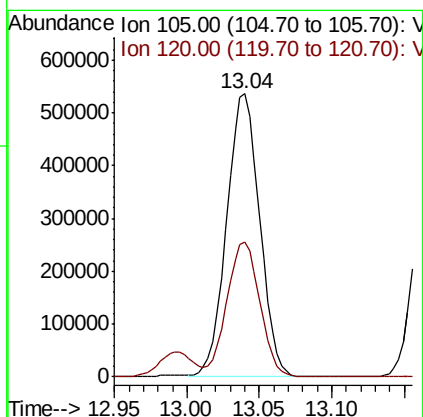
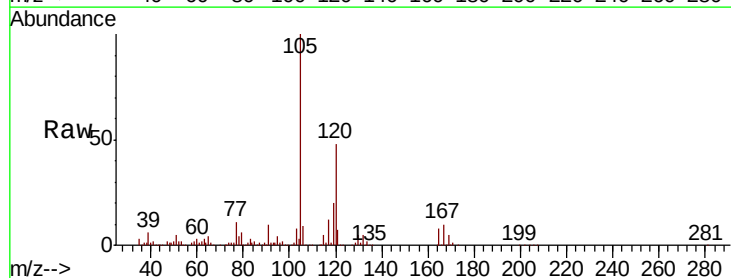
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

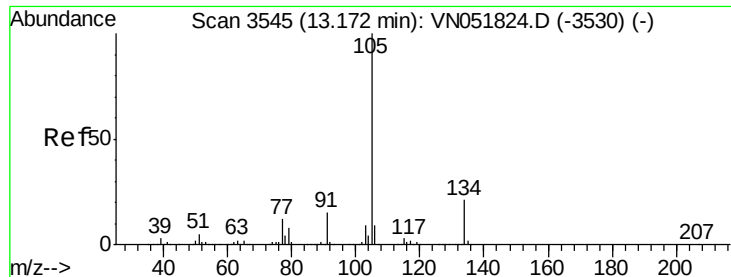
Tot Ion:119 Resp: 780430
Ion Ratio Lower Upper
119 100
91 58.4 0.0 131.6
134 24.8 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 20.026 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion:105 Resp: 846631
Ion Ratio Lower Upper
105 100
120 47.6 0.0 89.6





#81

sec-Butylbenzene

Concen: 19.764 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

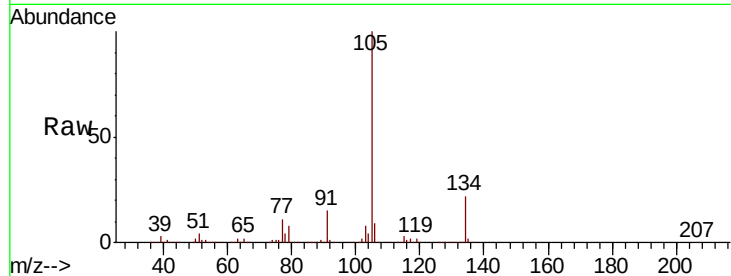
VN1025WBS02

Tot Ion:105 Resp: 1005817

Ion Ratio Lower Upper

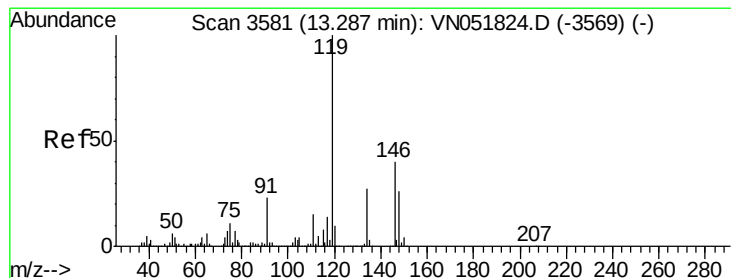
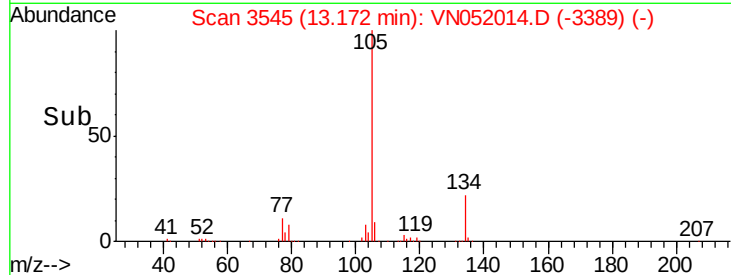
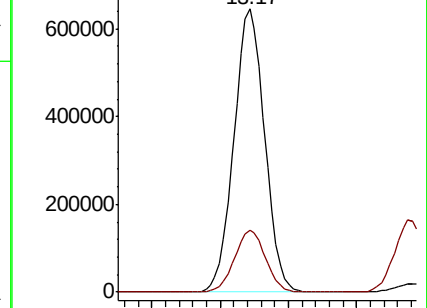
105 100

134 22.0 0.0 39.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.768 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

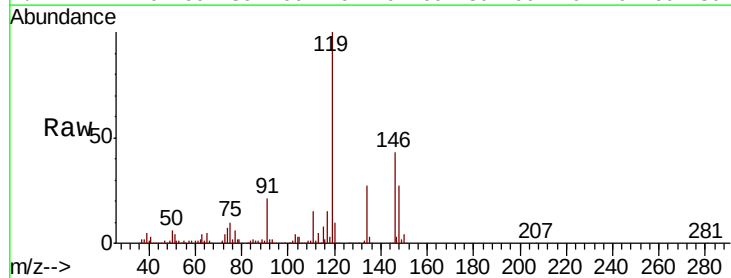
Tgt Ion:119 Resp: 900202

Ion Ratio Lower Upper

119 100

134 27.3 0.0 53.6

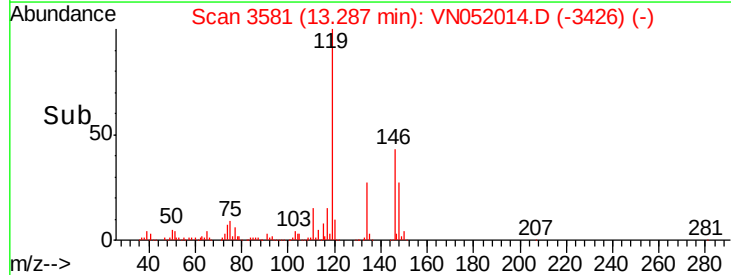
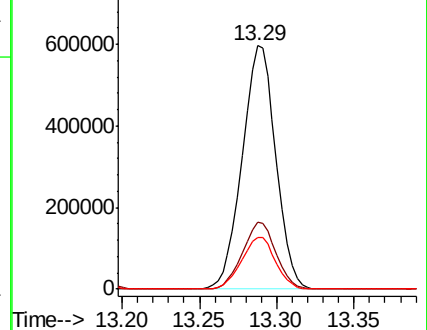
91 21.5 0.0 52.0

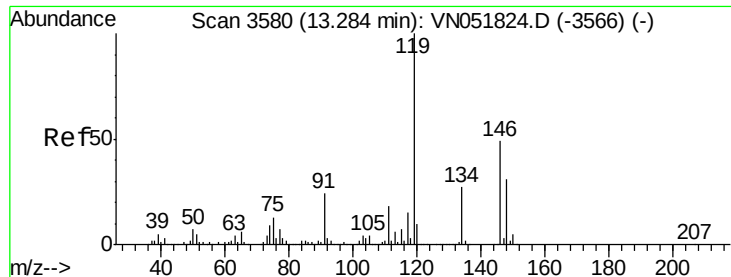


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

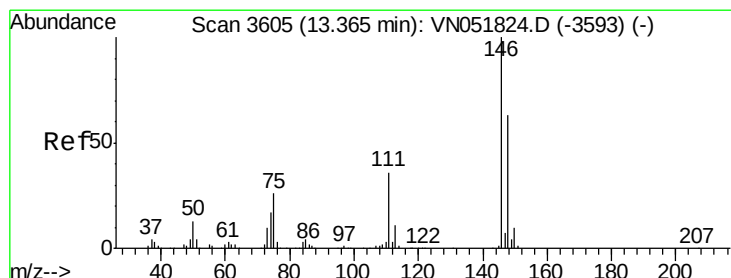
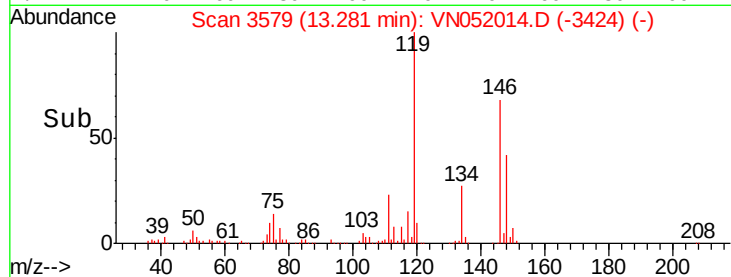
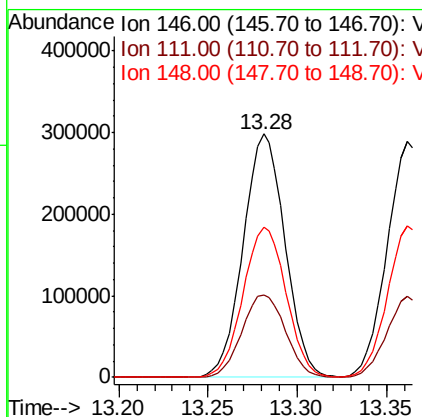
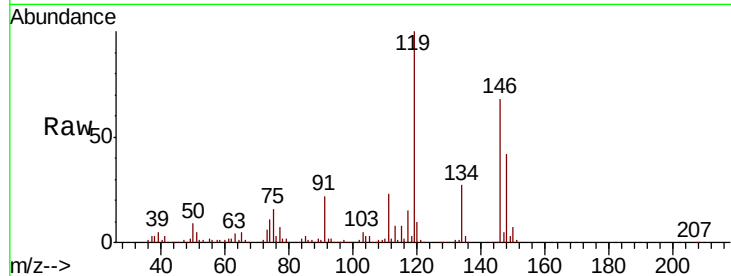




#83
 1,3-Dichlorobenzene
 Concen: 21.870 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

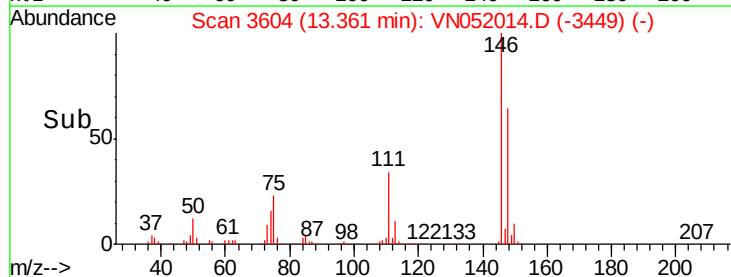
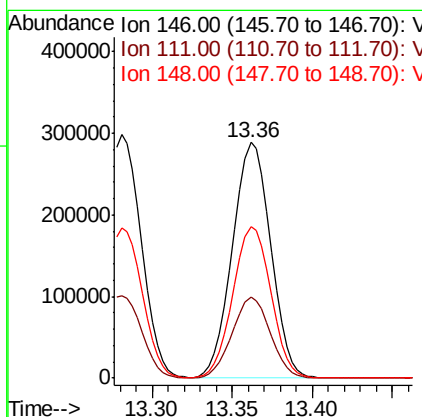
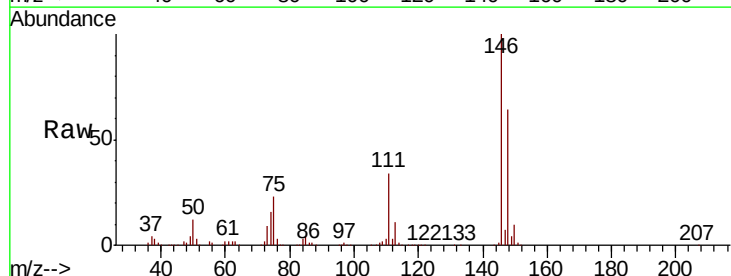
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

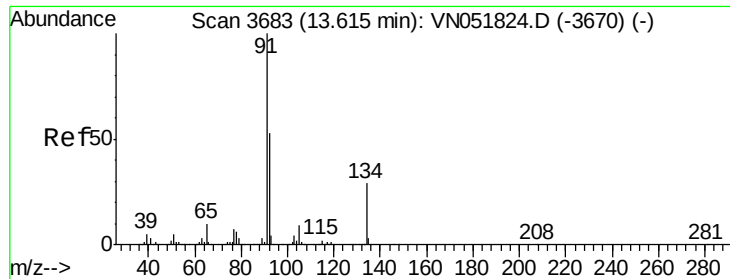
Tot Ion:146 Resp: 488975
 Ion Ratio Lower Upper
 146 100
 111 35.1 18.1 54.3
 148 63.5 31.3 93.8



#84
 1,4-Dichlorobenzene
 Concen: 22.368 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion:146 Resp: 470814
 Ion Ratio Lower Upper
 146 100
 111 34.3 17.4 52.2
 148 63.9 32.8 98.3





#85

n-Butylbenzene

Concen: 19.422 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

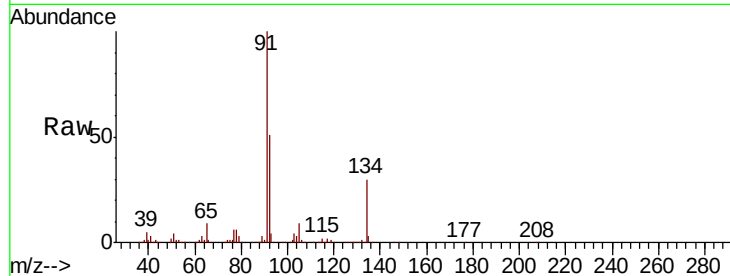
Tot Ion: 91 Resp: 666941

Ion Ratio Lower Upper

91 100

92 50.7 0.0 97.4

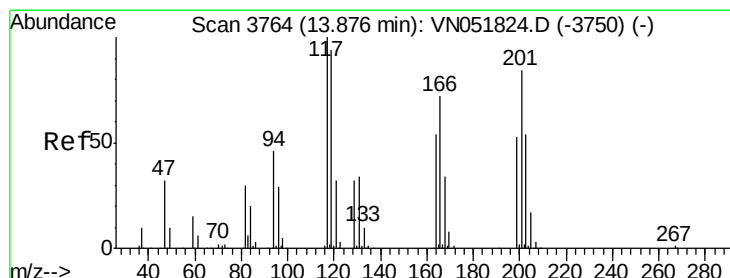
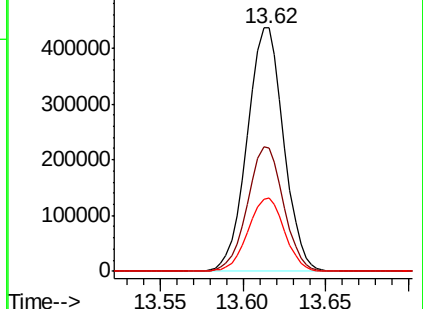
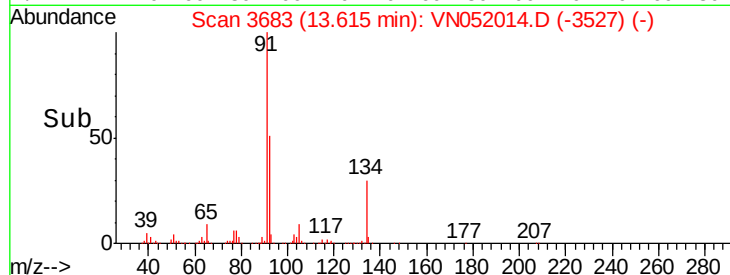
134 30.0 0.0 49.6



Abundance Ion 91.00 (90.70 to 91.70): VN052014.D (-3527) (-)

Ion 92.00 (91.70 to 92.70): VN052014.D (-3527) (-)

Ion 134.00 (133.70 to 134.70): VN052014.D (-3527) (-)



#86

Hexachloroethane

Concen: 16.525 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN052014.D

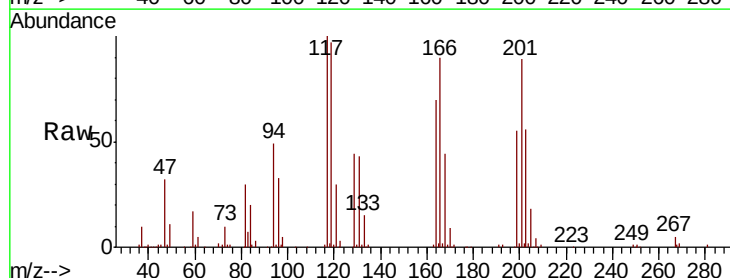
Acq: 25 Oct 2018 16:57

Tgt Ion: 117 Resp: 129759

Ion Ratio Lower Upper

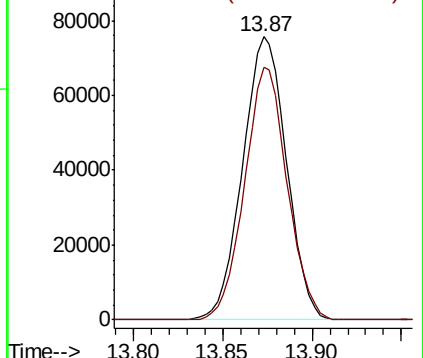
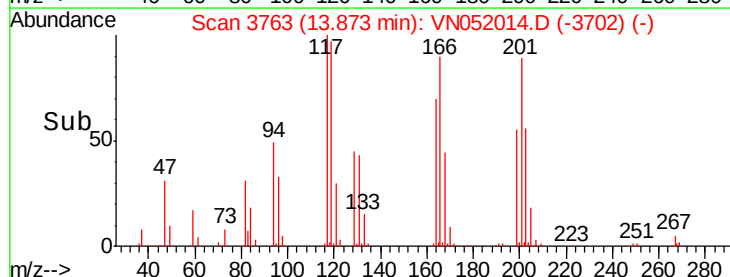
117 100

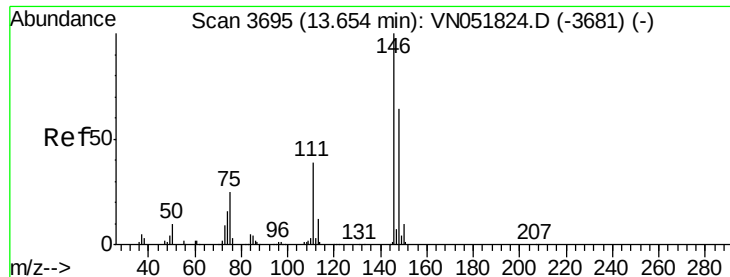
201 86.7 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN052014.D (-3702) (-)

Ion 201.00 (200.70 to 201.70): VN052014.D (-3702) (-)

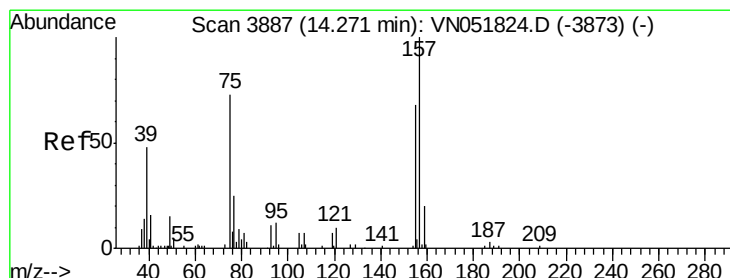
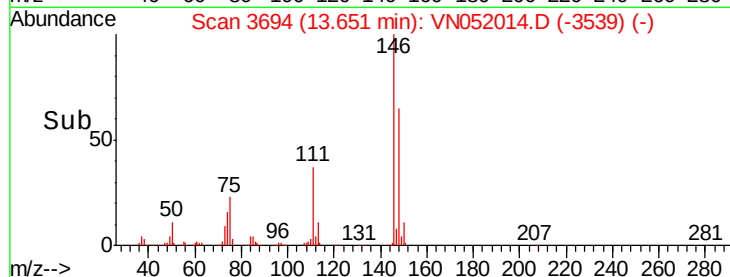
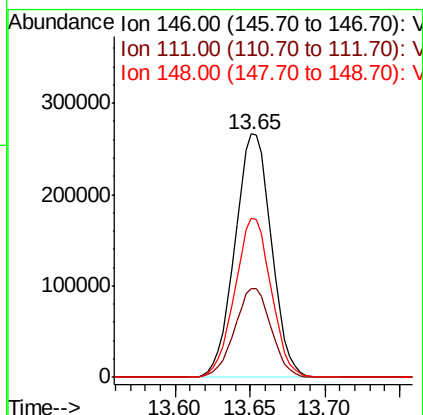
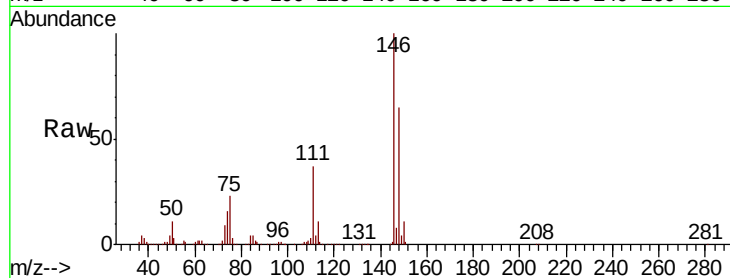




#87
 1,2-Dichlorobenzene
 Concen: 20.866 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

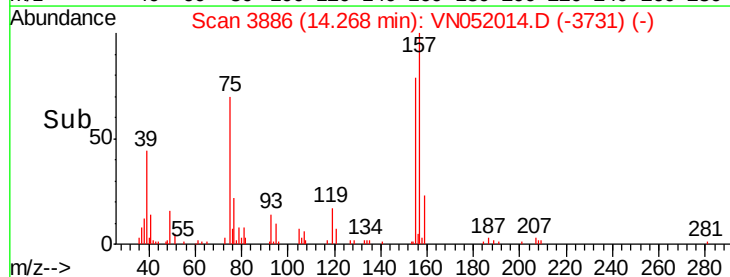
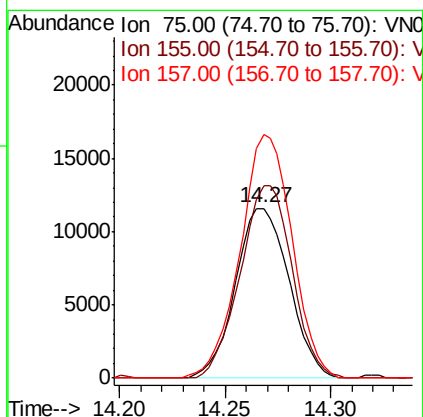
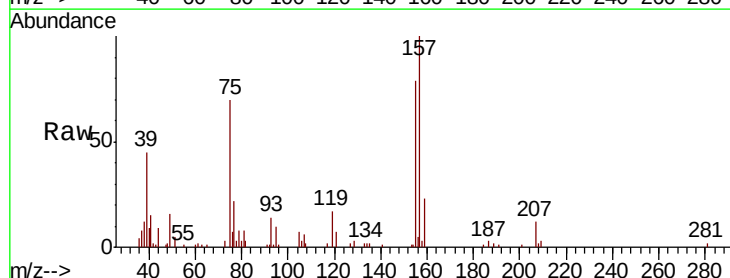
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

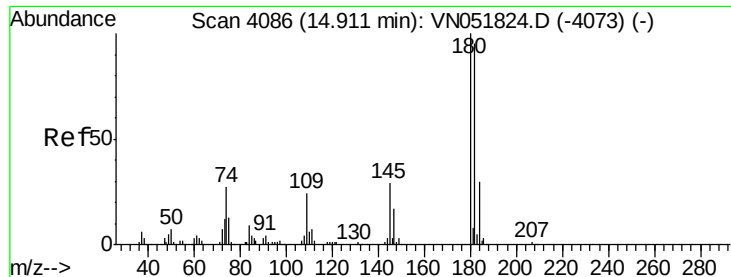
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	20.8	62.2
148	65.1	33.2	99.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 13.551 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.2	57.0	85.6#
157	139.2	87.4	131.0#

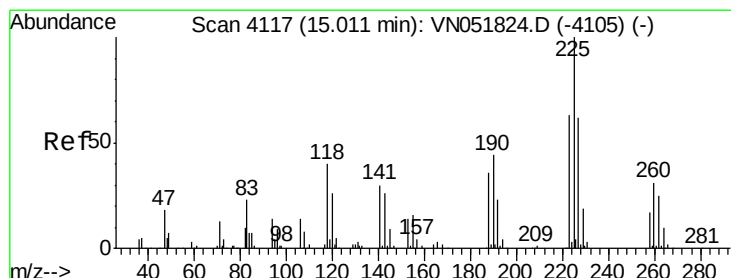
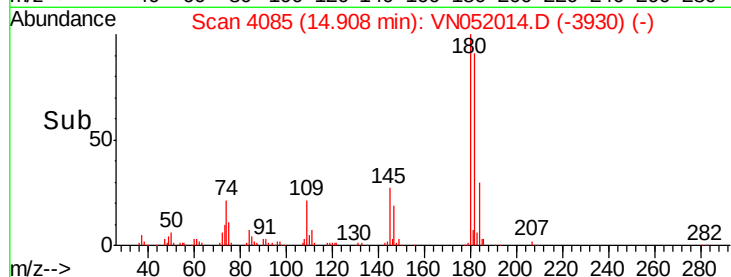
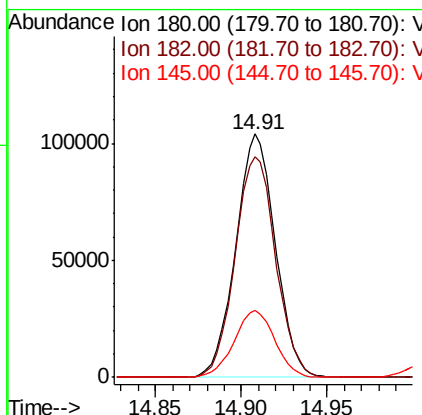
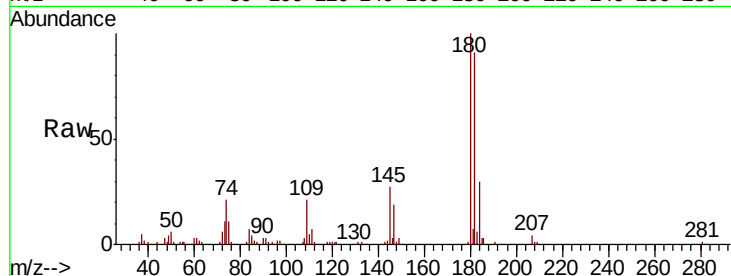




#89
 1,2,4-Trichlorobenzene
 Concen: 19.353 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

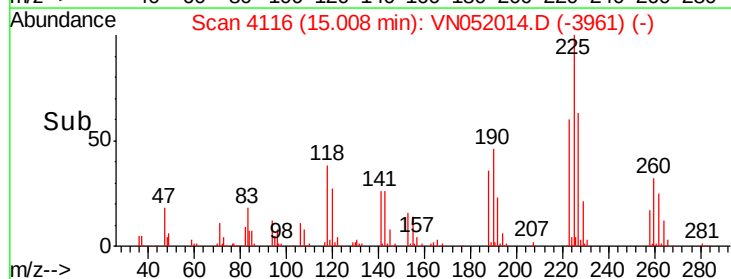
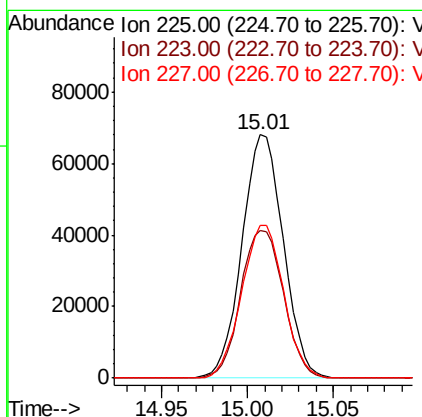
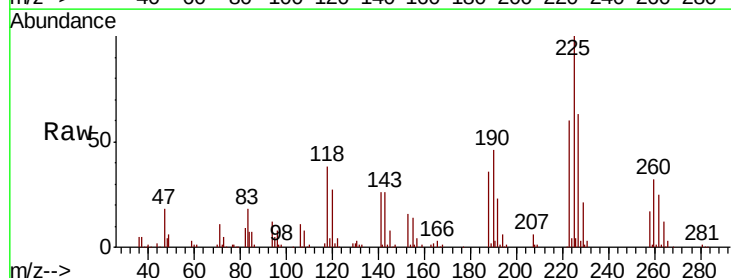
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

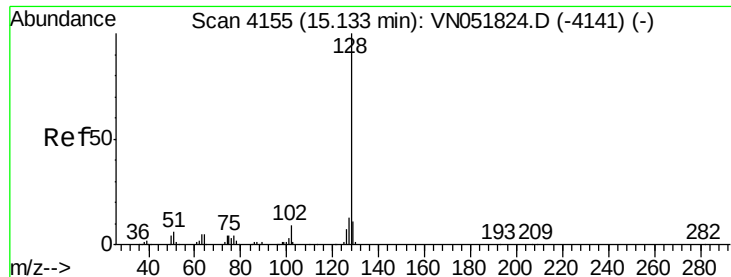
Tot Ion:180 Resp: 166087
 Ion Ratio Lower Upper
 180 100
 182 93.3 77.7 116.5
 145 28.4 23.4 35.2



#90
 Hexachlorobutadiene
 Concen: 16.272 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion:225 Resp: 113504
 Ion Ratio Lower Upper
 225 100
 223 62.8 0.0 117.0
 227 63.7 0.0 127.0





#91

Naphthalene

Concen: 18.264 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

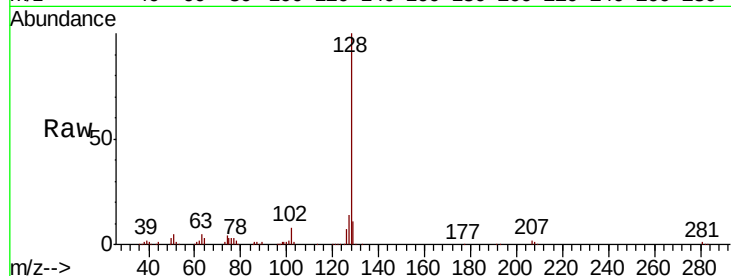
Tot Ion:128 Resp: 288066

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

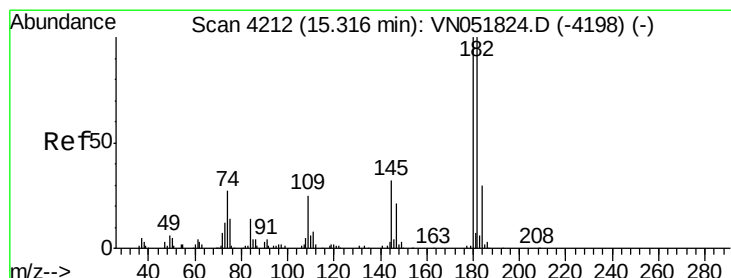
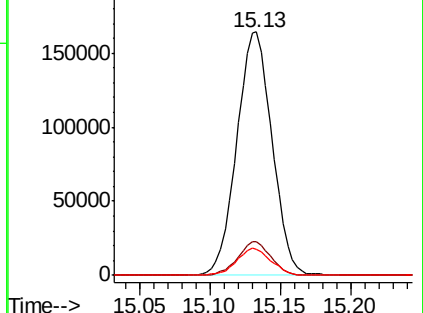
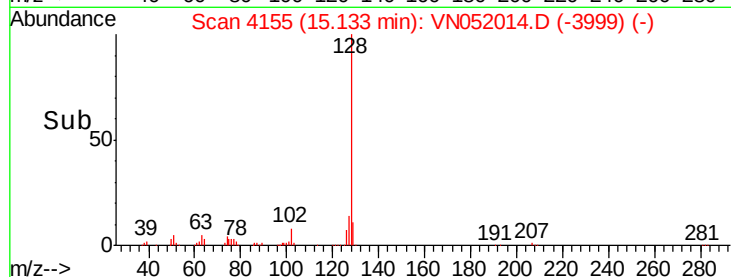
129 10.8 8.4 12.6



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: 13.368 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

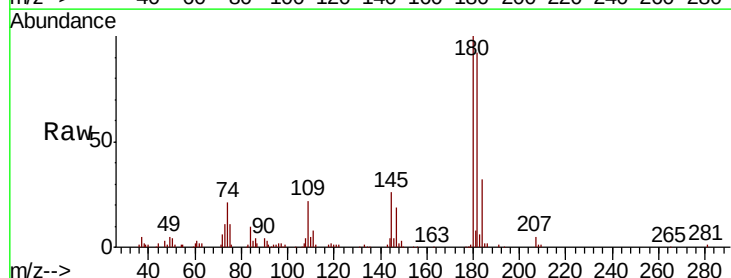
Tgt Ion:180 Resp: 131648

Ion Ratio Lower Upper

180 100

182 93.7 0.0 198.0

145 28.0 0.0 36.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

