

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051630.D
 Acq On : 1 Oct 2018 12:01
 Operator : MD\SY
 Sample : VN1001WBSD01
 Misc : Sample
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Quant Time: Oct 02 01:00:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	105477	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	567782	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	486350	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	228542	31.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.73%
60) 4-Bromofluorobenzene	12.40	95	221628	29.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.77%
63) Toluene-d8	10.09	98	709448	30.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	181958	19.657	ug/l 100
3) Chloromethane	2.06	50	200812	19.386	ug/l 99
4) Vinyl Chloride	2.19	62	171437	16.871	ug/l 98
5) Bromomethane	2.57	94	97246	18.424	ug/l 98
6) Chloroethane	2.71	64	99034	19.427	ug/l 94
7) Trichlorofluoromethane	3.02	101	226844	18.271	ug/l 99
8) Diethyl Ether	3.41	74	73695	18.898	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138910	19.793	ug/l 98
10) 1,1-Dichloroethene	3.74	96	123335	19.365	ug/l 97
11) Methyl Iodide	3.95	142	151916	18.530	ug/l 97
12) Methyl Acetate	4.33	43	105623	18.791	ug/l 93
13) Acrolein	3.61	56	51293	82.598	ug/l 94
14) Acrylonitrile	4.99	53	211327	93.880	ug/l 98
15) Acetone	3.82	58	55895	94.704	ug/l 100
16) Carbon Disulfide	4.05	76	371221	18.088	ug/l 99
17) Allyl chloride	4.33	41	197169	17.306	ug/l 99
18) Methylene Chloride	4.55	84	143060	19.538	ug/l 99
19) trans-1,2-Dichloroethene	5.05	96	127248	18.822	ug/l 96
20) Diisopropyl ether	5.96	45	440191	19.476	ug/l 99
21) 1,1-Dichloroethane	5.85	63	257026	19.188	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	139404	18.880	ug/l 99
23) tert-Butyl Alcohol	4.79	59	40818	94.796	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	318319	19.017	ug/l 98
25) Chloroform	7.37	83	250531	19.561	ug/l 99
26) Cyclohexane	7.65	56	211095	18.211	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	184184	19.024	ug/l 99
30) 2-Butanone	6.84	43	243721	92.492	ug/l 100
31) 2,2-Dichloropropane	6.83	77	198556	19.002	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	213641	19.639	ug/l 98
33) Carbon Tetrachloride	7.78	117	192619	19.701	ug/l 99
34) Benzene	8.04	78	562416	19.580	ug/l 100
35) Methacrylonitrile	7.18	41	57420	19.382	ug/l 94
36) 1,2-Dichloroethane	8.13	62	180313	19.694	ug/l 99
37) Trichloroethene	8.84	130	139391	18.901	ug/l 98
38) Methylcyclohexane	9.08	83	200083	17.909	ug/l 99
39) 1,2-Dichloropropane	9.12	63	153018	19.441	ug/l 99
40) Dibromomethane	9.21	93	86937	19.884	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	185994	19.488	ug/l	99
42) Vinyl Acetate	5.90	43	1386989	94.548	ug/l	100
43) Ethyl Acetate	6.93	43	102431	18.365	ug/l	99
45) 1,4-Dioxane	9.20	88	23997	406.199	ug/l	98
46) Methyl methacrylate	9.20	41	93279	18.361	ug/l	97
47) n-amyl Acetate	12.07	43	142479	17.437	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	171020	17.954	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	210757	18.925	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	121406	19.649	ug/l	98
51) Ethyl methacrylate	10.43	69	134117	17.890	ug/l	98
52) 1,3-Dichloropropane	10.71	76	204309	19.285	ug/l	100
53) Dibromochloromethane	10.90	129	134643	19.133	ug/l	99
54) 1,2-Dibromoethane	11.01	107	112795	19.025	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	319769	86.297	ug/l	99
56) Bromoform	12.13	173	89161	19.094	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	554131	100.353	ug/l	99
59) 2-Hexanone	10.75	43	342566	94.302	ug/l	99
61) Tetrachloroethene	10.63	164	132554	19.251	ug/l	98
62) Toluene	10.16	91	582456	19.531	ug/l	99
64) Chlorobenzene	11.43	112	343367	19.043	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	137761	20.009	ug/l	97
66) Ethyl Benzene	11.51	91	559740	18.339	ug/l	100
67) m/p-Xylenes	11.62	106	448547	38.132	ug/l	100
68) o-Xylene	11.95	106	212250	18.902	ug/l	95
69) Styrene	11.96	104	327818	18.600	ug/l	100
70) Isopropylbenzene	12.25	105	563980	18.829	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	145352	20.058	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	170024	27.442	ug/l	48
73) Bromobenzene	12.53	156	141685	19.008	ug/l	98
74) n-propylbenzene	12.59	91	641621	18.401	ug/l	100
75) 2-Chlorotoluene	12.67	91	397106	19.072	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	478938	19.136	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	36097	18.396	ug/l	95
78) 4-Chlorotoluene	12.77	91	379400	18.446	ug/l	100
79) tert-butylbenzene	12.99	119	409904	18.904	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	474600	18.985	ug/l	100
81) sec-Butylbenzene	13.17	105	558036	18.631	ug/l	99
82) p-Isopropyltoluene	13.29	119	474487	18.535	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	238808	18.386	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	222291	18.207	ug/l	100
85) n-Butylbenzene	13.62	91	353953	16.845	ug/l	100
86) Hexachloroethane	13.87	117	87893	17.166	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	242310	19.071	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20196	19.121	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	88707	14.916	ug/l	98
90) Hexachlorobutadiene	15.01	225	88777	18.311	ug/l	96
91) Naphthalene	15.13	128	152041	16.973	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	97301	16.268	ug/l	97

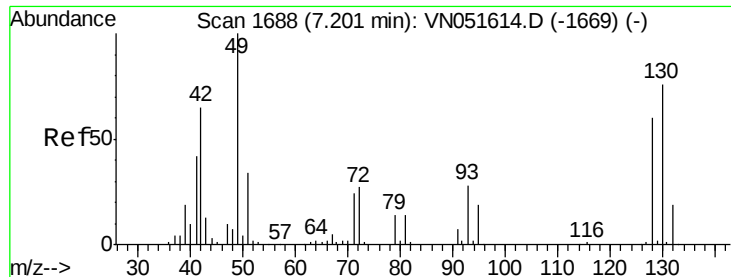
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

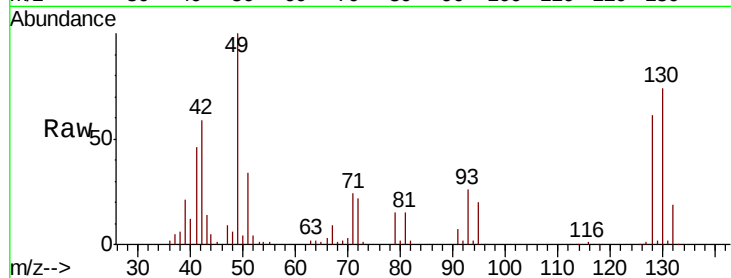
Tot Ion:128 Resp: 105477

Ion Ratio Lower Upper

128 100

49 172.3 0.0 426.8

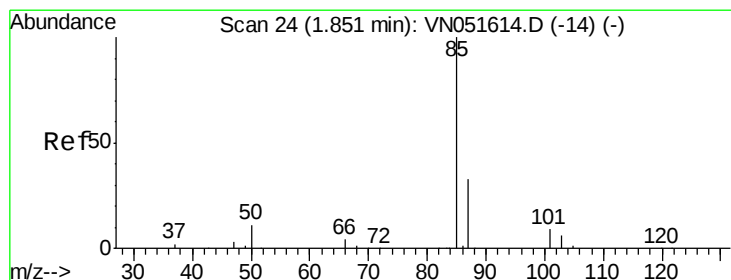
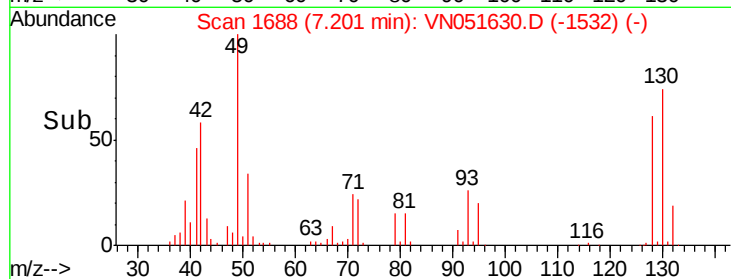
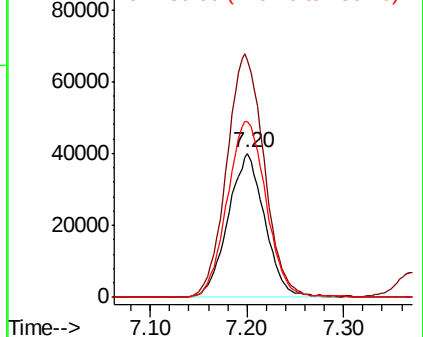
130 129.6 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.657 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051630.D

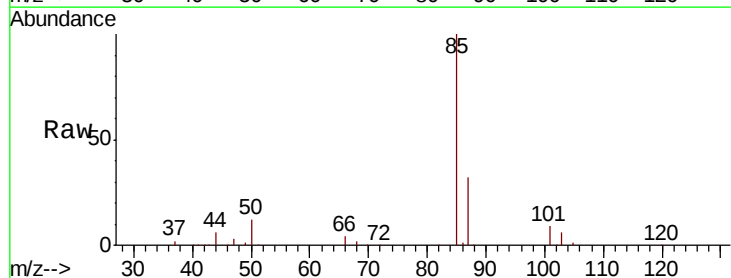
Acq: 1 Oct 2018 12:01

Tgt Ion: 85 Resp: 181958

Ion Ratio Lower Upper

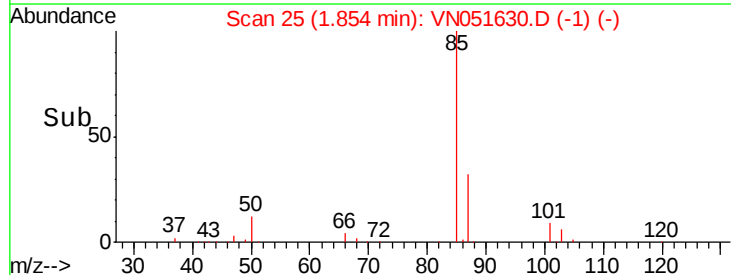
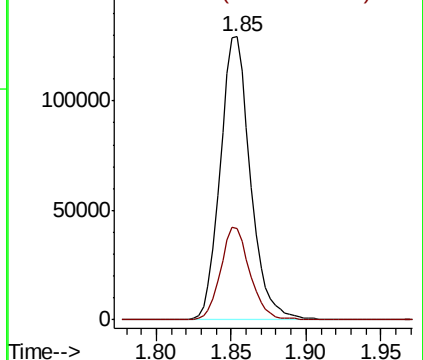
85 100

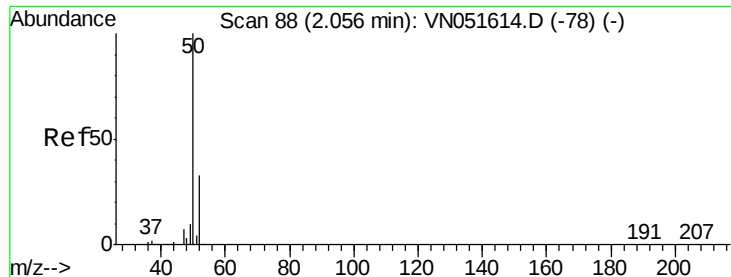
87 32.4 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.386 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

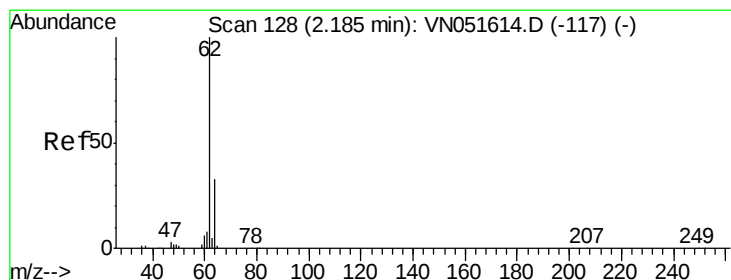
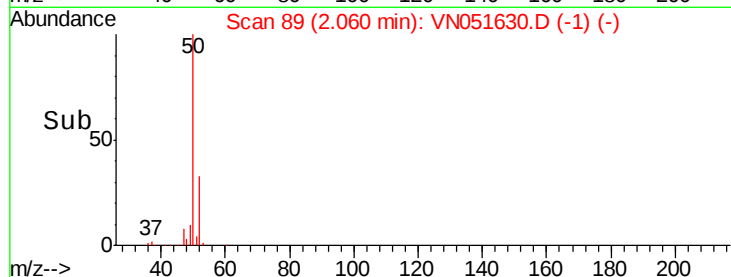
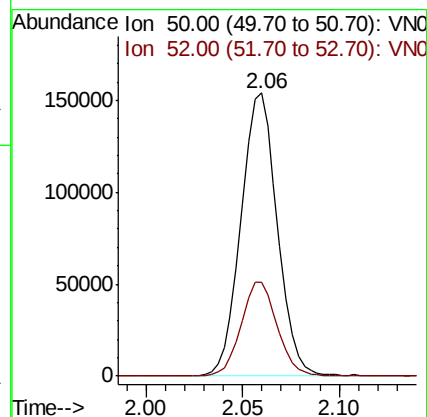
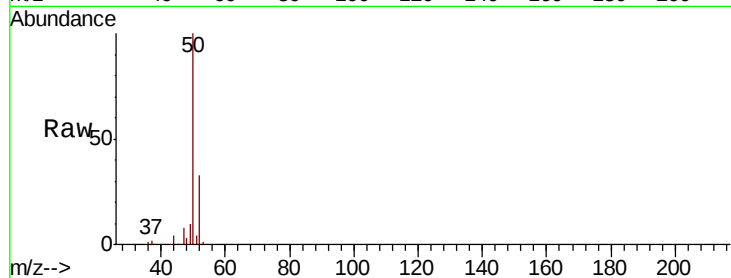
VN1001WBSD01

Tot Ion: 50 Resp: 200812

Ion Ratio Lower Upper

50 100

52 33.2 26.0 39.0



#4

Vinyl Chloride

Concen: 16.871 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051630.D

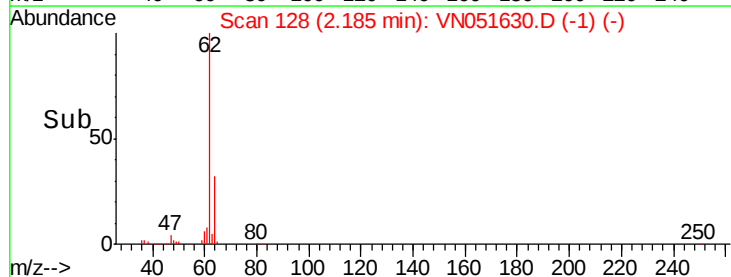
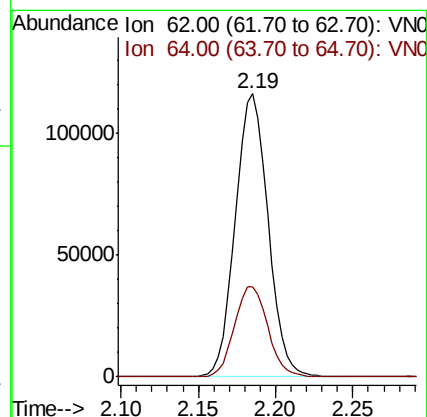
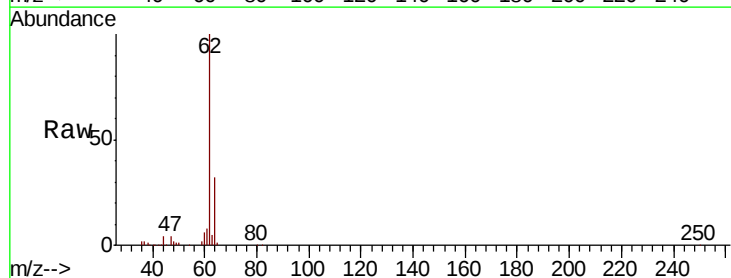
Acq: 1 Oct 2018 12:01

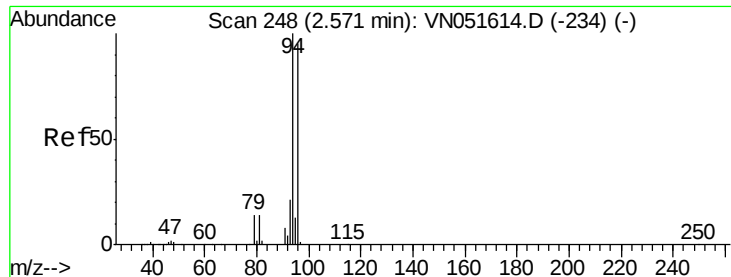
Tgt Ion: 62 Resp: 171437

Ion Ratio Lower Upper

62 100

64 31.8 26.3 39.5





#5

Bromomethane

Concen: 18.424 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

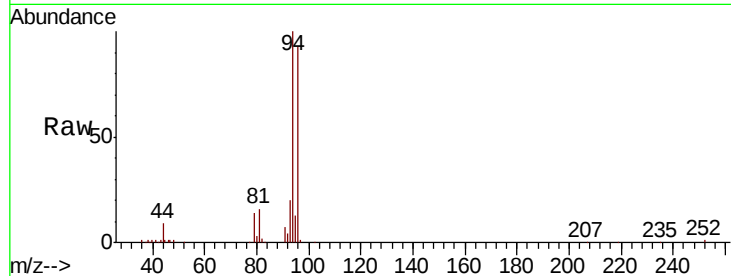
VN1001WBSD01

Tot Ion: 94 Resp: 97246

Ion Ratio Lower Upper

94 100

96 92.5 75.8 113.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.57

60000

50000

40000

30000

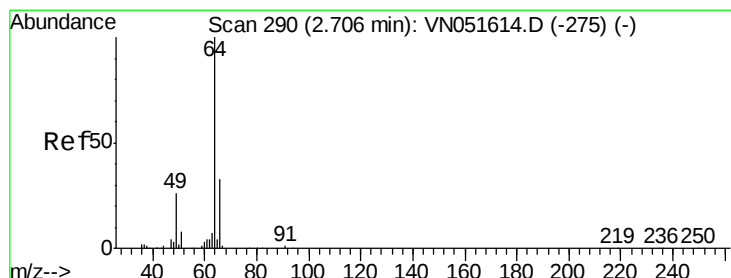
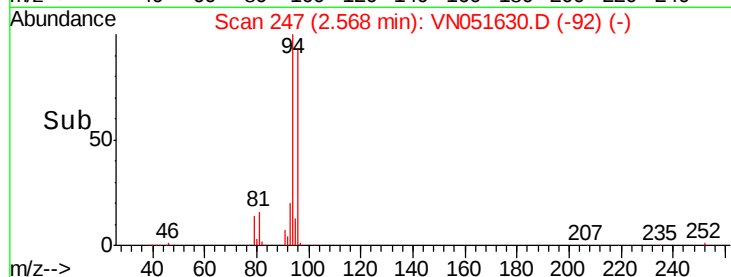
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.427 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051630.D

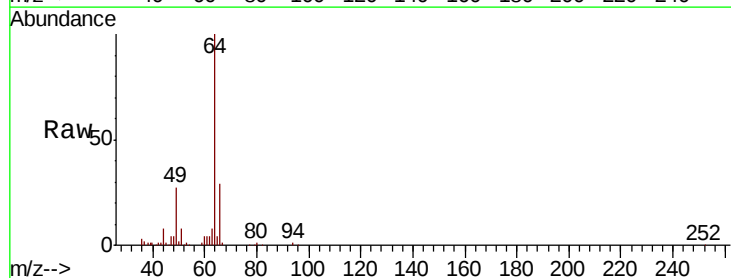
Acq: 1 Oct 2018 12:01

Tgt Ion: 64 Resp: 99034

Ion Ratio Lower Upper

64 100

66 29.0 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

60000

50000

40000

30000

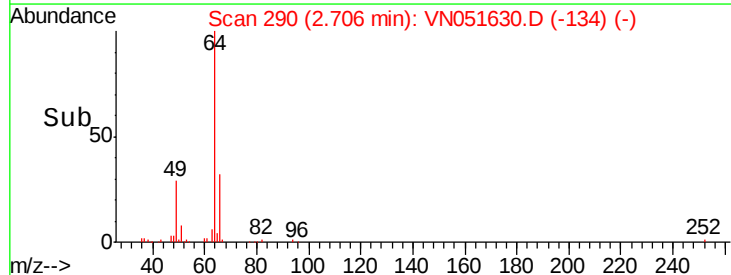
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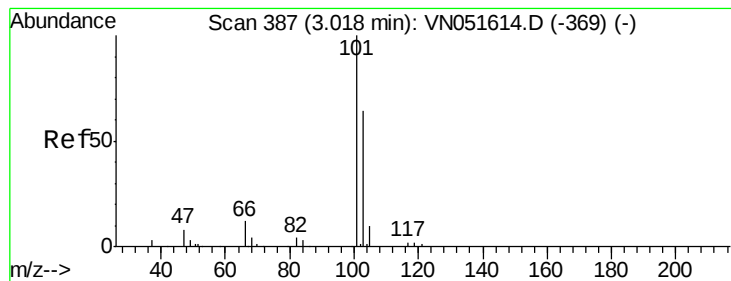
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Time-->

2.60 2.65 2.70 2.75 2.80



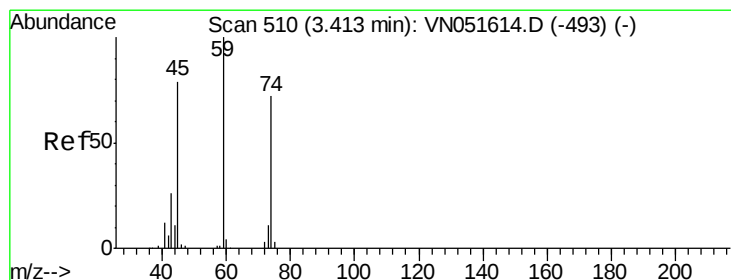
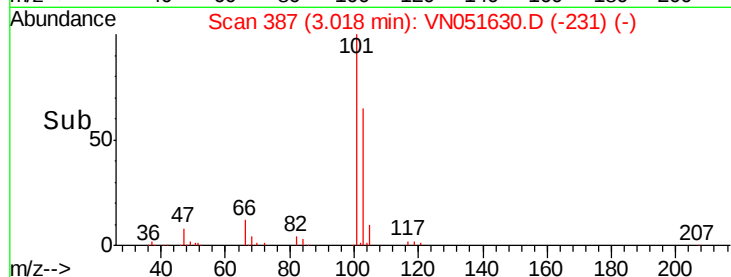
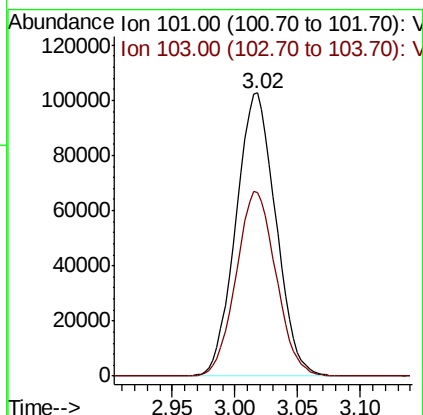
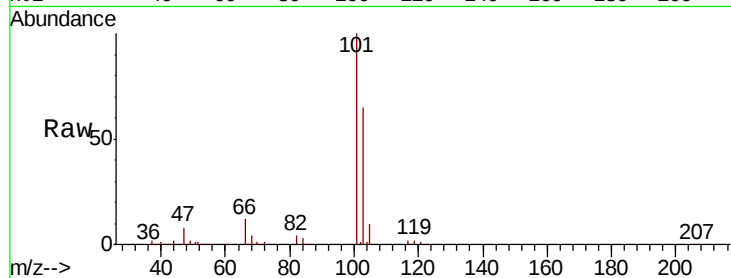


#7

Trichlorofluoromethane
 Concen: 18.271 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051630.D
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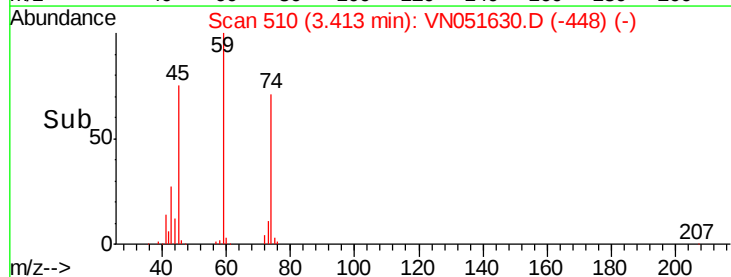
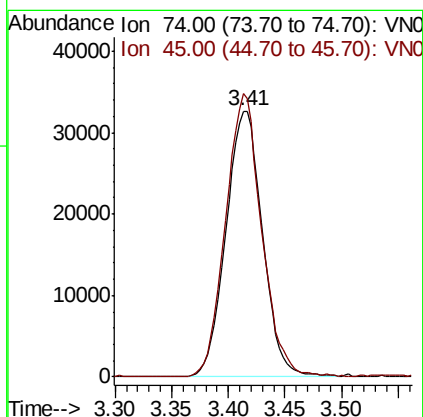
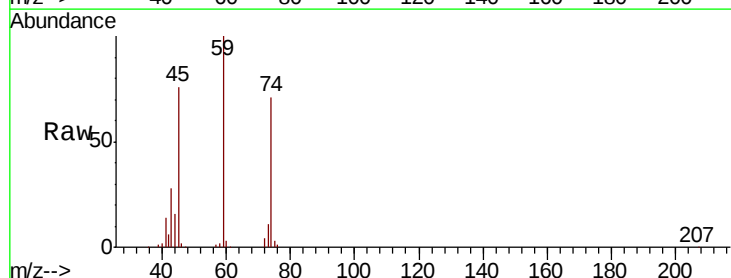
Tot Ion:101 Resp: 226844
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.2 76.8

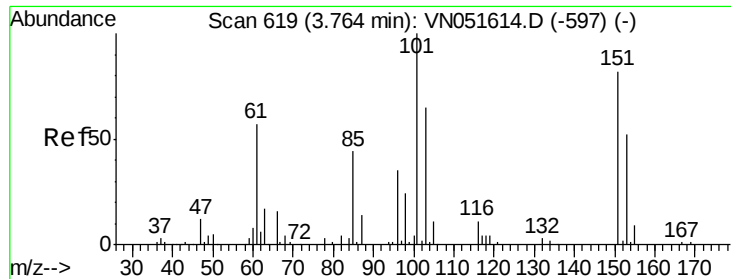


#8

Diethyl Ether
 Concen: 18.898 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion: 74 Resp: 73695
 Ion Ratio Lower Upper
 74 100
 45 104.8 21.3 191.5

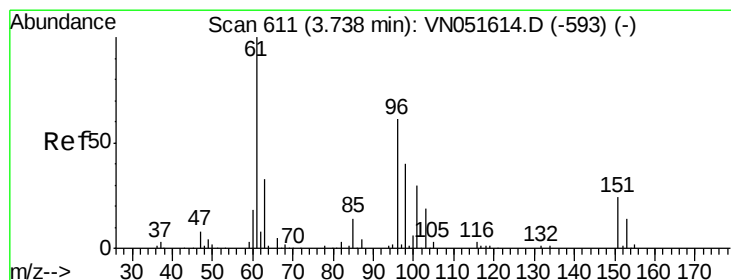
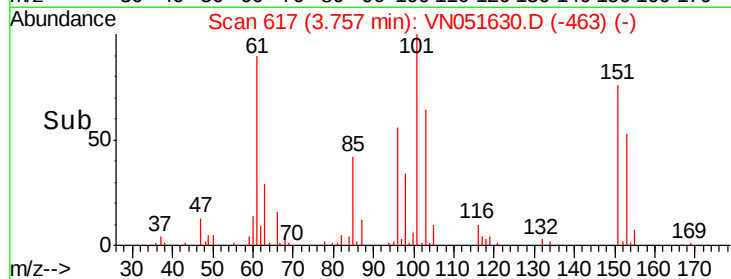
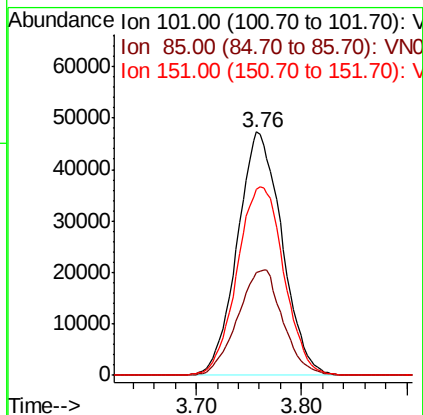
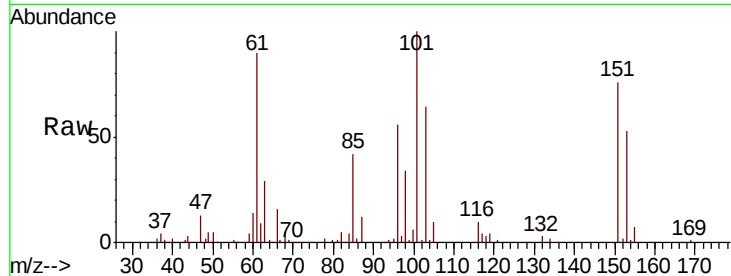




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.793 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

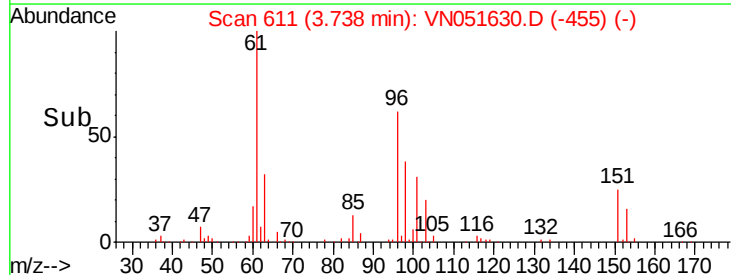
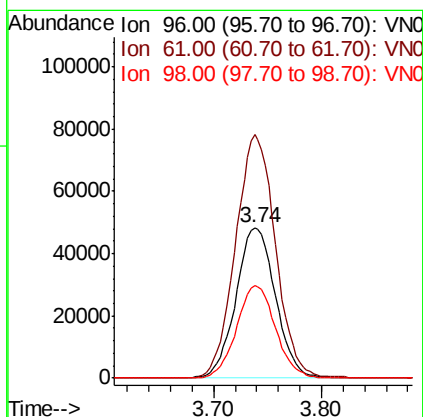
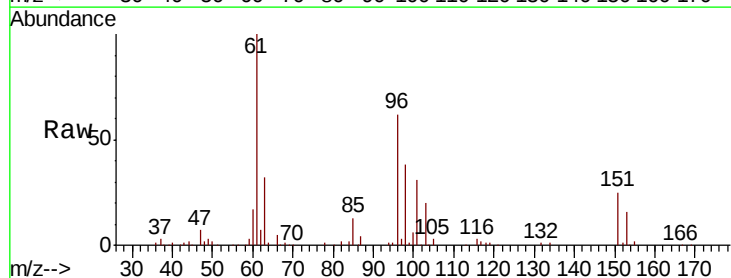
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

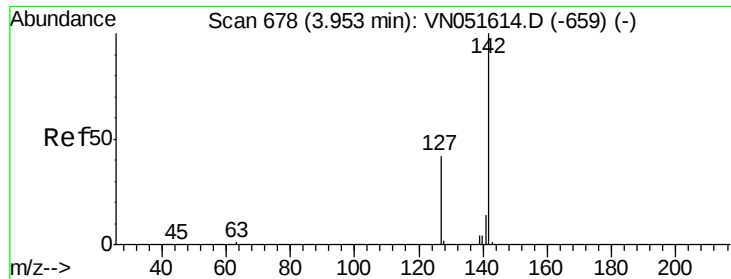
Tot Ion:101 Resp: 138910
 Ion Ratio Lower Upper
 101 100
 85 43.9 0.0 89.4
 151 81.2 0.0 167.6



#10
 1,1-Dichloroethene
 Concen: 19.365 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion: 96 Resp: 123335
 Ion Ratio Lower Upper
 96 100
 61 161.8 131.0 196.4
 98 61.4 52.7 79.1

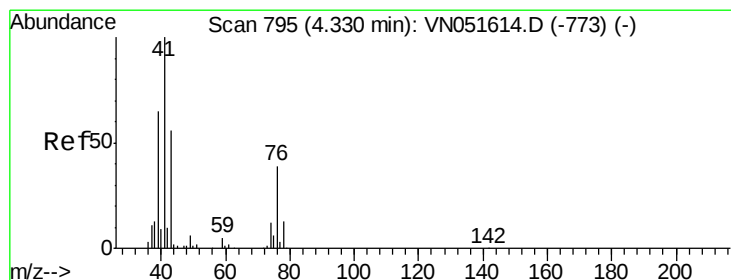
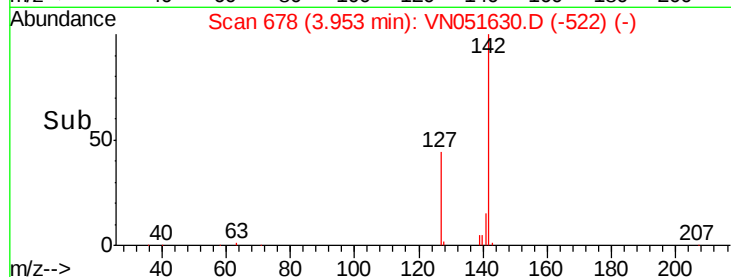
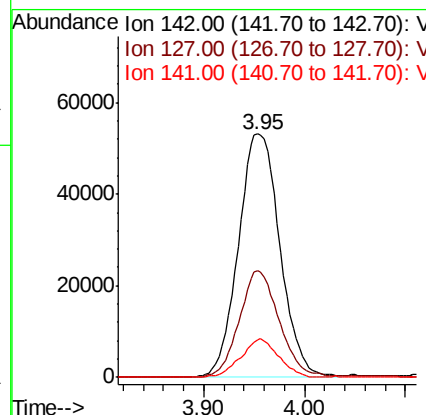
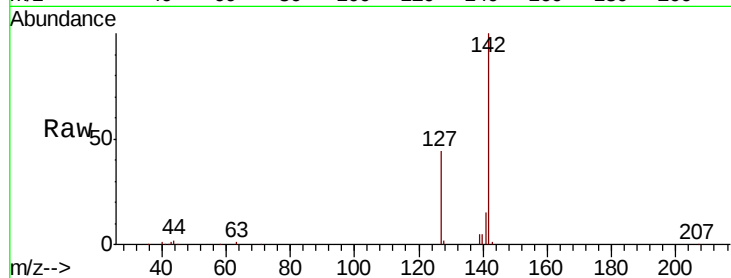




#11
Methyl Iodide
Concen: 18.530 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

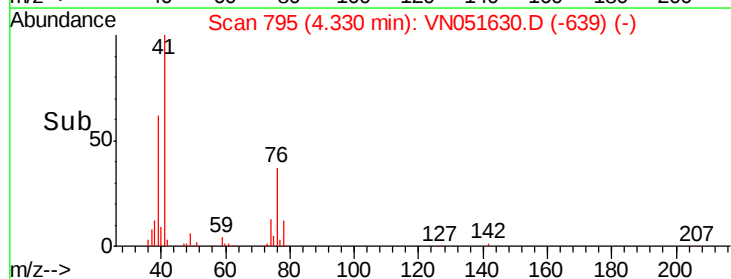
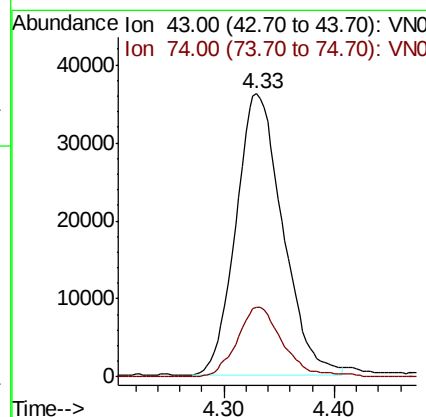
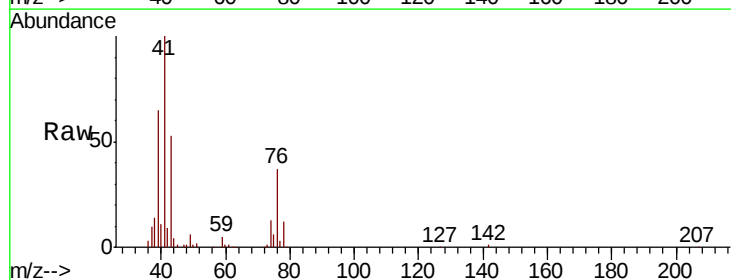
Instrument :
MSVOA_N
ClientSampled :
VN1001WBSD01

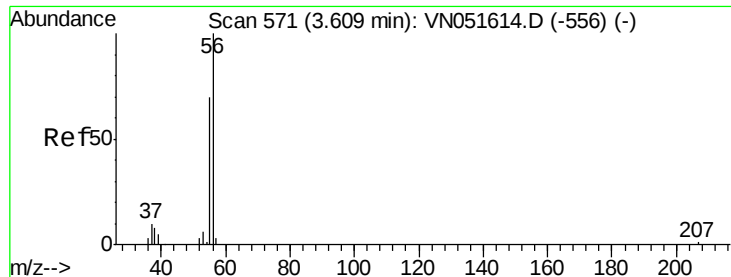
Tot Ion:142 Resp: 151916
Ion Ratio Lower Upper
142 100
127 43.7 21.1 63.1
141 15.5 7.1 21.4



#12
Methyl Acetate
Concen: 18.791 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion: 43 Resp: 105623
Ion Ratio Lower Upper
43 100
74 24.5 17.0 25.4





#13

Acrolein

Concen: 82.598 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

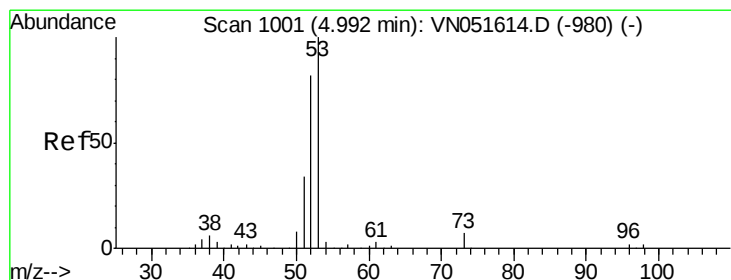
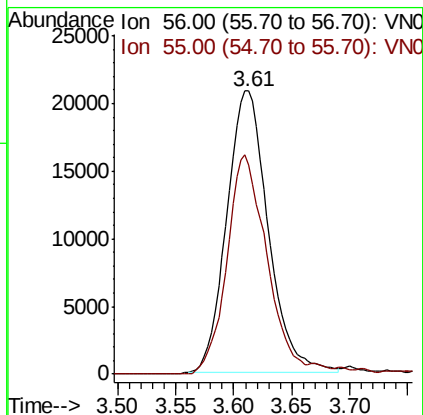
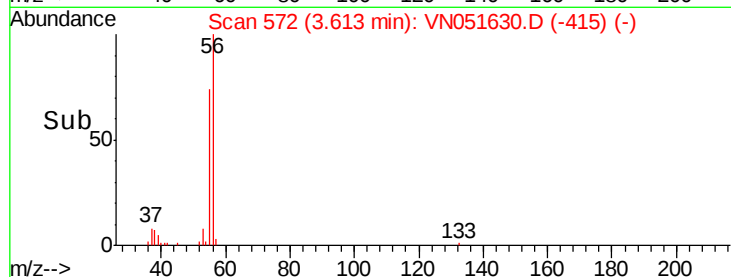
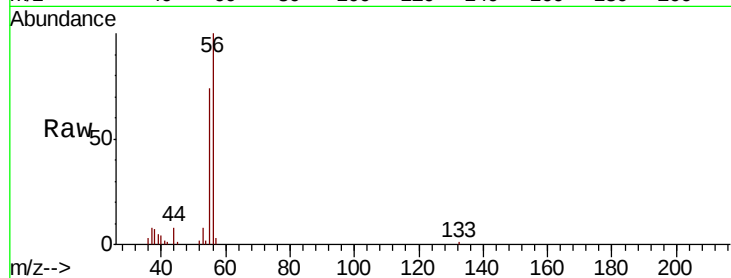
VN1001WBSD01

Tot Ion: 56 Resp: 51293

Ion Ratio Lower Upper

56 100

55 74.7 55.8 83.8



#14

Acrylonitrile

Concen: 93.880 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

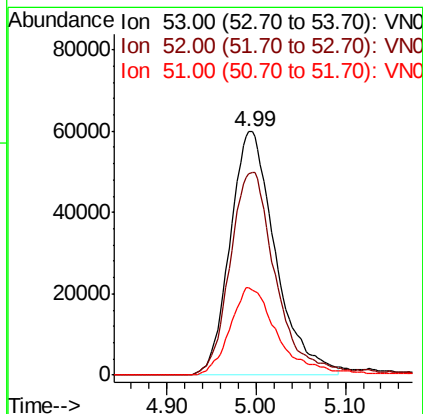
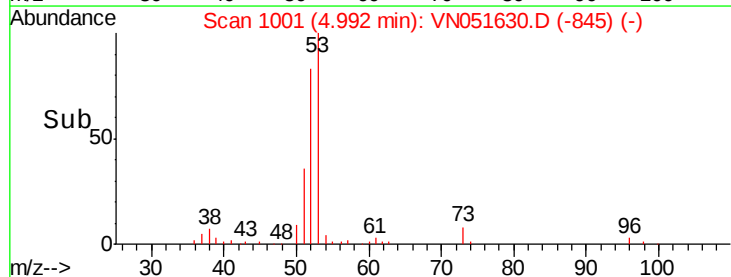
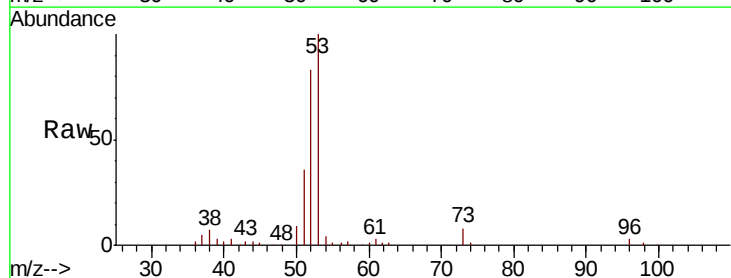
Tgt Ion: 53 Resp: 211327

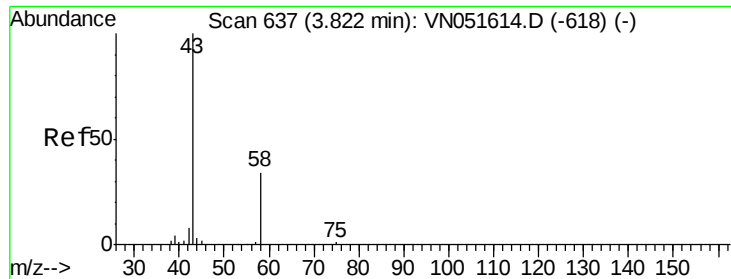
Ion Ratio Lower Upper

53 100

52 83.4 41.3 123.7

51 37.0 17.1 51.2





#15

Acetone

Concen: 94.704 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

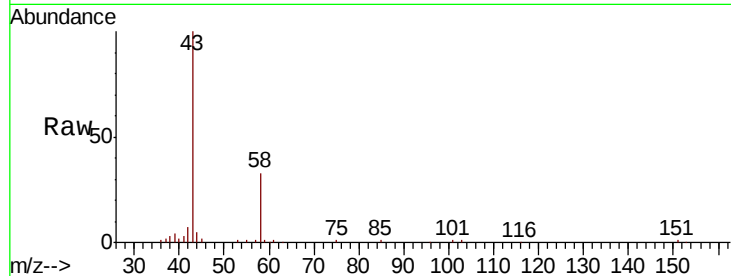
VN1001WBSD01

Tot Ion: 58 Resp: 55895

Ion Ratio Lower Upper

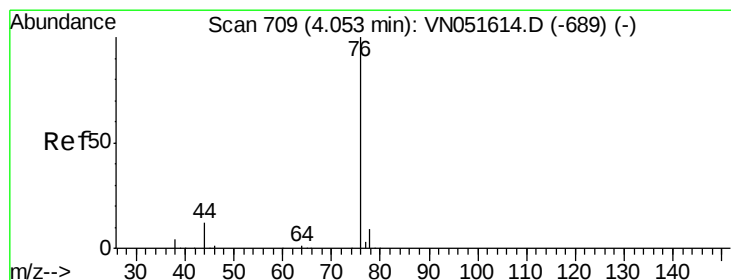
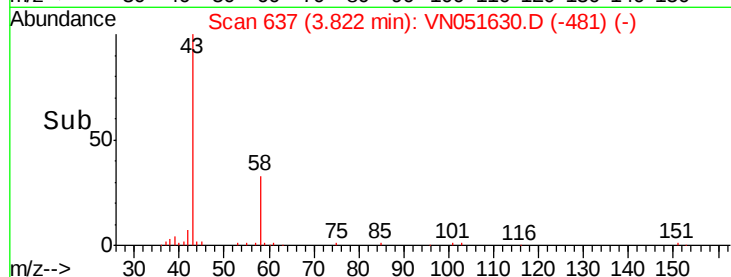
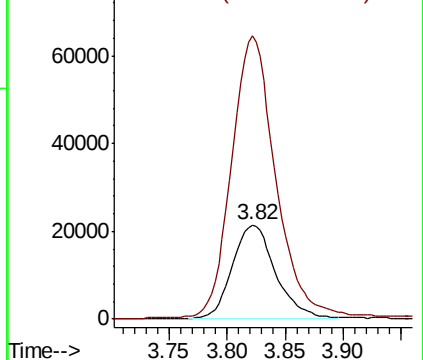
58 100

43 297.9 238.0 357.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.088 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051630.D

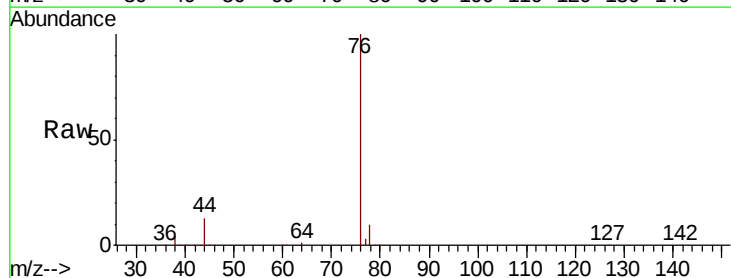
Acq: 1 Oct 2018 12:01

Tgt Ion: 76 Resp: 371221

Ion Ratio Lower Upper

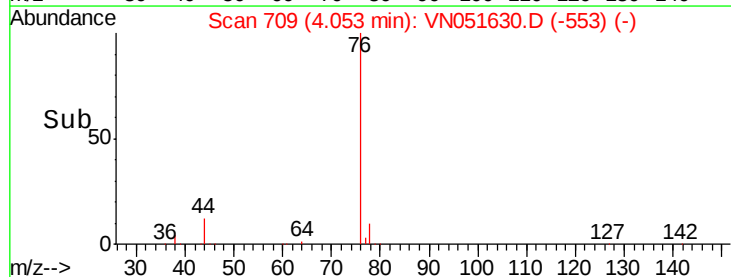
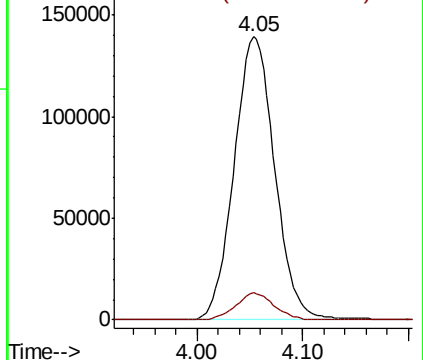
76 100

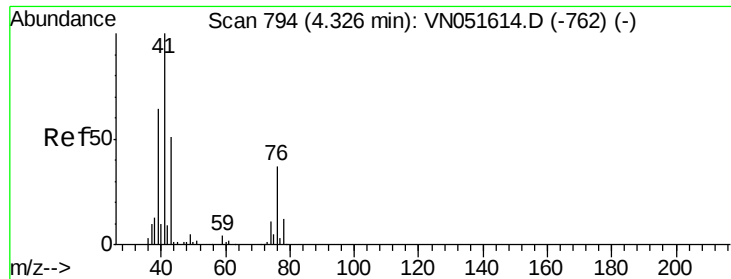
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

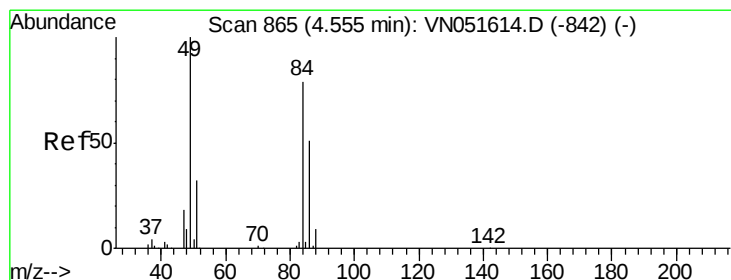
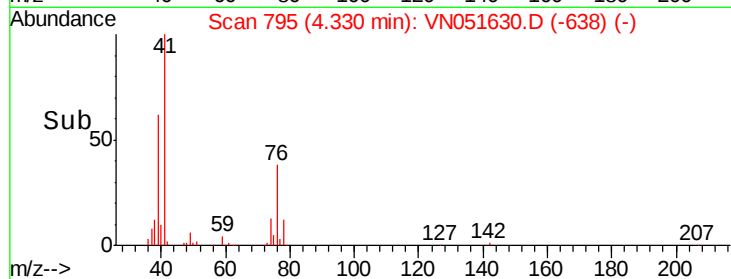
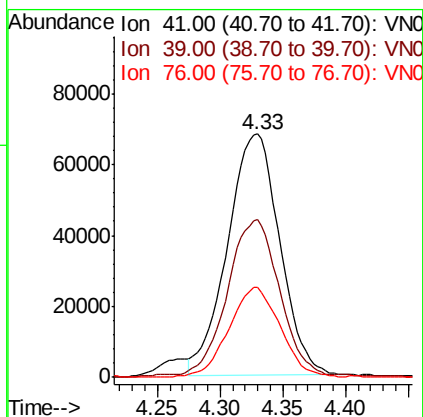
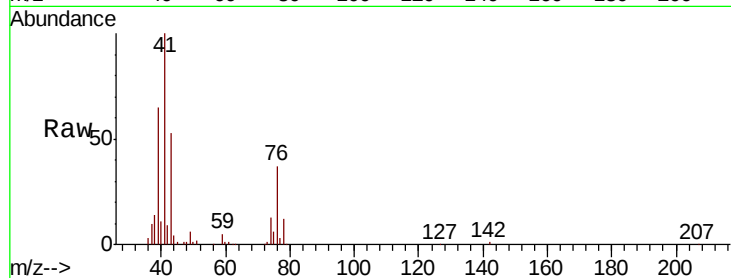




#17
Allvl chloride
Concen: 17.306 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

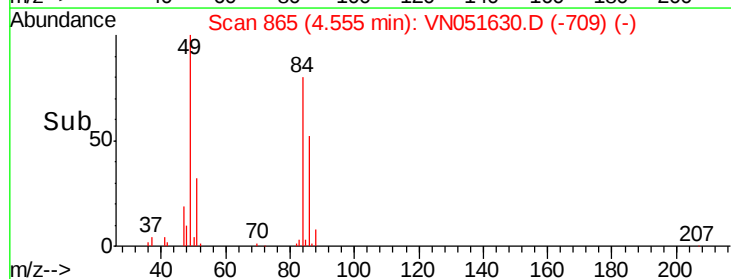
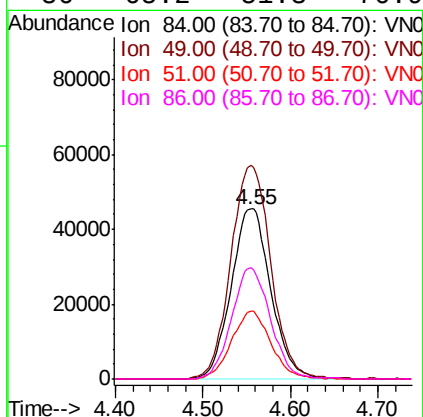
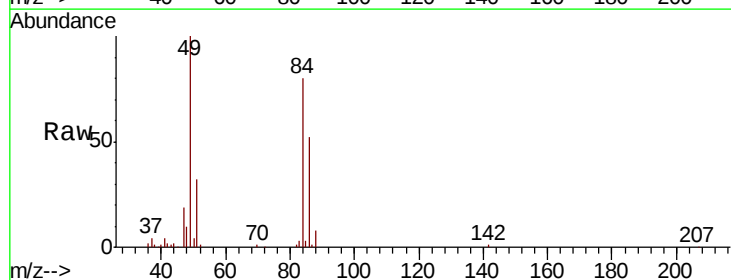
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

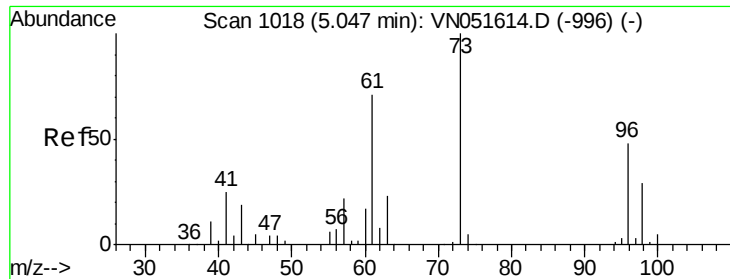
Tot Ion: 41 Resp: 197169
Ion Ratio Lower Upper
41 100
39 64.6 31.9 95.9
76 36.9 18.6 56.0



#18
Methylene Chloride
Concen: 19.538 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion: 84 Resp: 143060
Ion Ratio Lower Upper
84 100
49 125.3 100.9 151.3
51 40.0 32.5 48.7
86 65.2 51.3 76.9

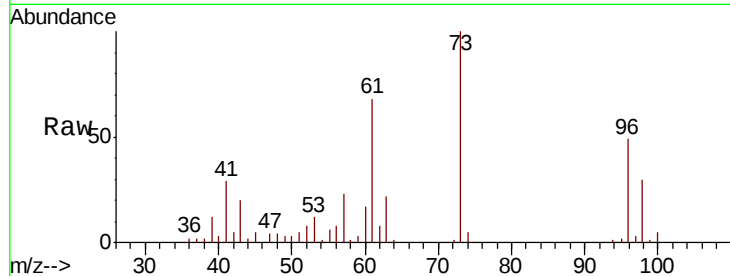




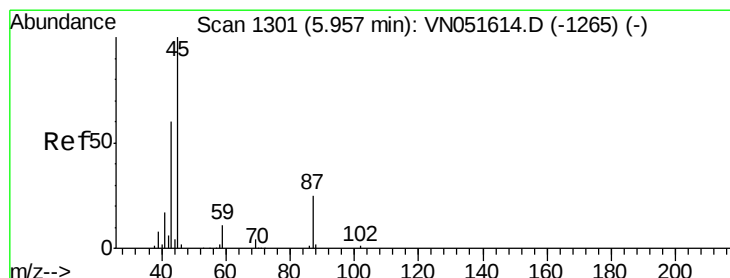
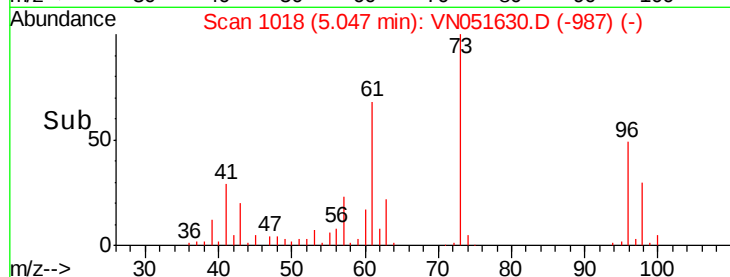
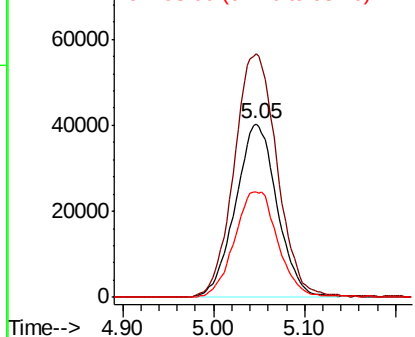
#19
trans-1,2-Dichloroethene
Concen: 18.822 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion: 96 Resp: 127248
Ion Ratio Lower Upper
96 100
61 140.5 118.0 177.0
98 60.9 49.0 73.4

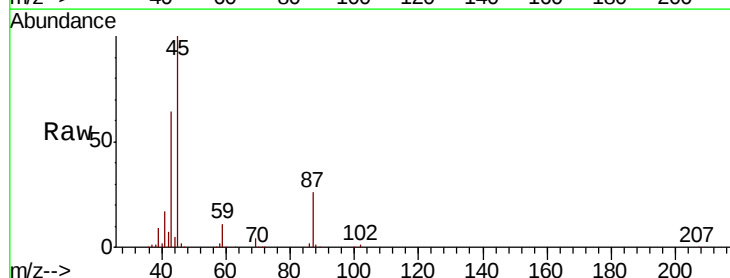


Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

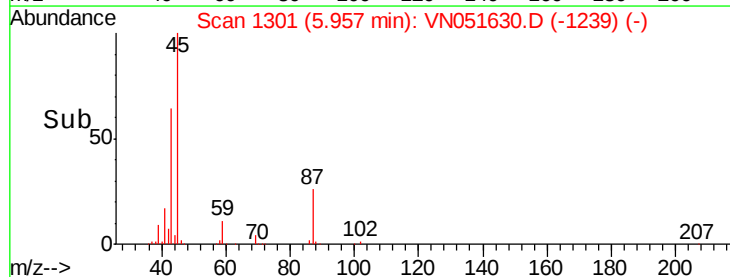
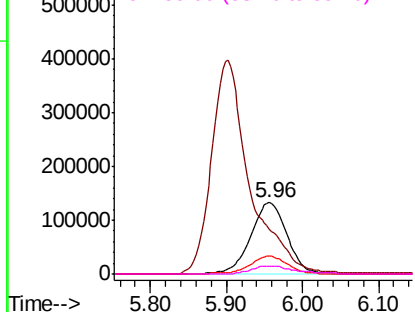


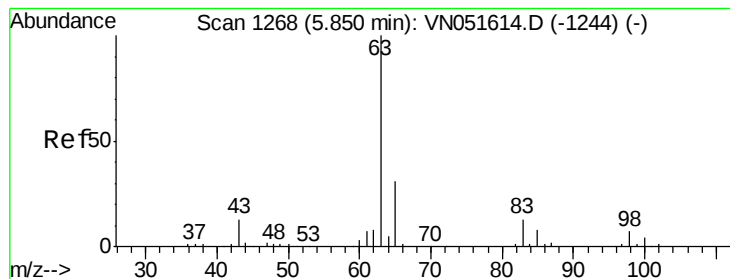
#20
Diisopropyl ether
Concen: 19.476 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion: 45 Resp: 440191
Ion Ratio Lower Upper
45 100
43 61.1 48.3 72.5
87 25.7 20.8 31.2
59 11.0 8.8 13.2



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





#21

1,1-Dichloroethane

Concen: 19.188 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

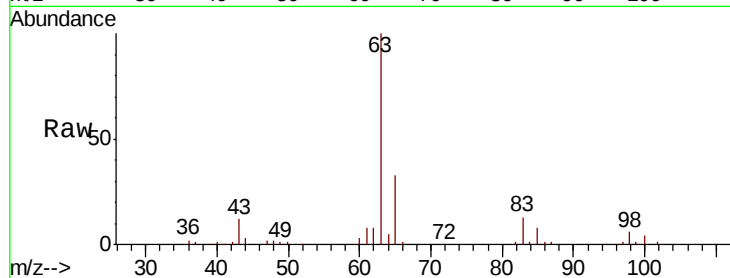
Tot Ion: 63 Resp: 257026

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

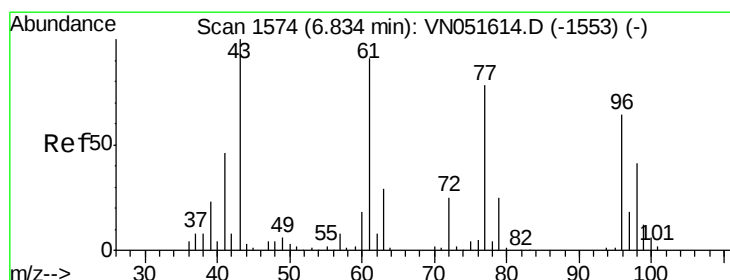
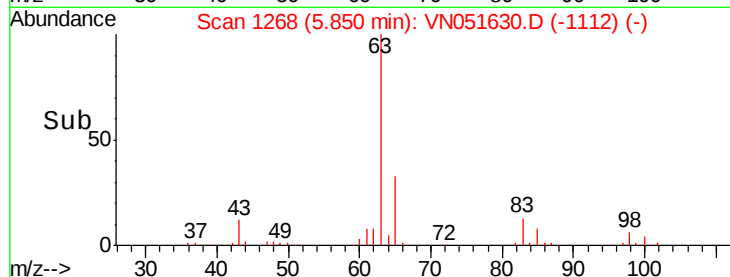
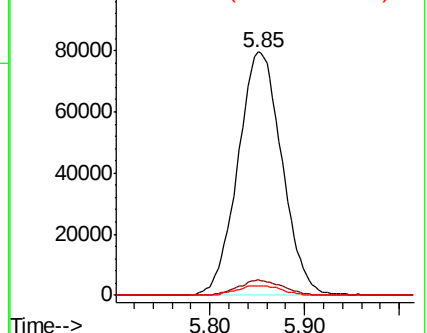
100 4.1 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN051614.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051614.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051614.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 18.880 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

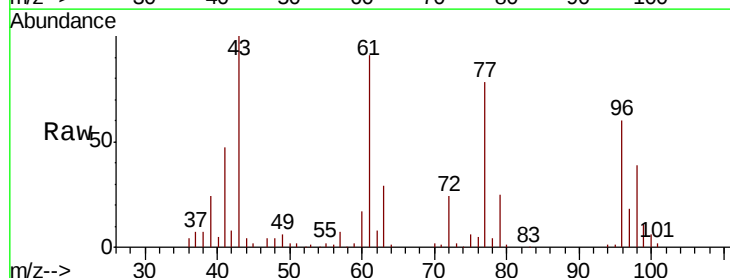
Tgt Ion: 96 Resp: 139404

Ion Ratio Lower Upper

96 100

61 150.1 120.4 180.6

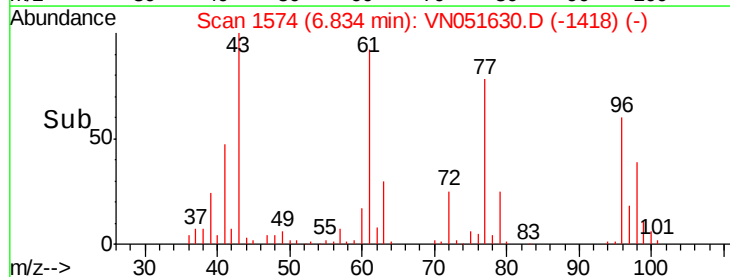
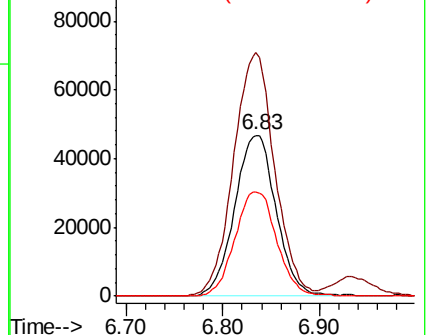
98 65.2 51.4 77.0

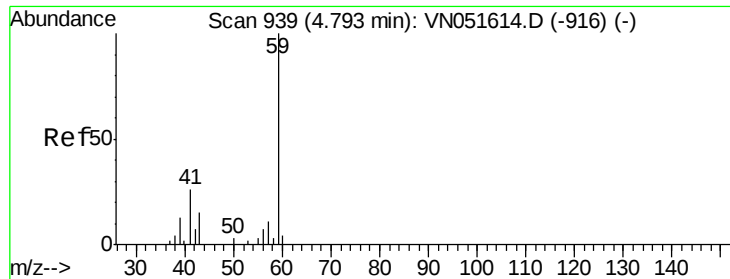


Abundance Ion 96.00 (95.70 to 96.70): VN051614.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN051614.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN051614.D (-1553) (-)





#23

tert-Butyl Alcohol

Concen: 94.796 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

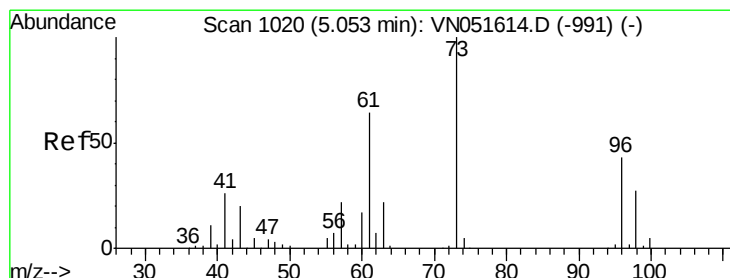
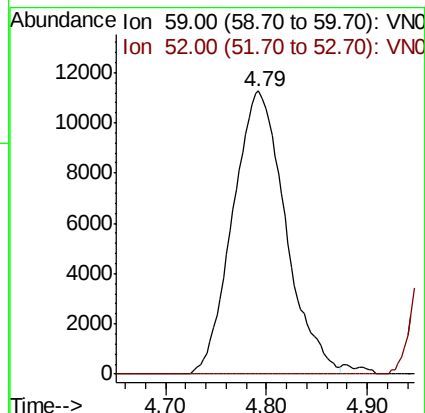
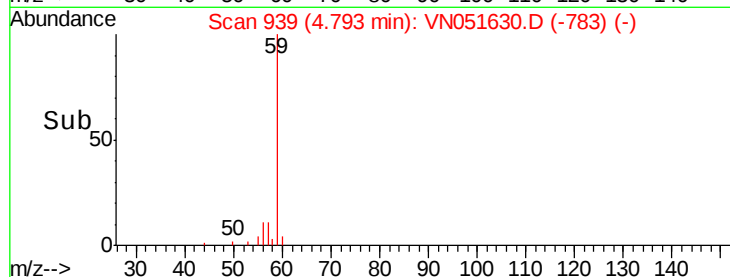
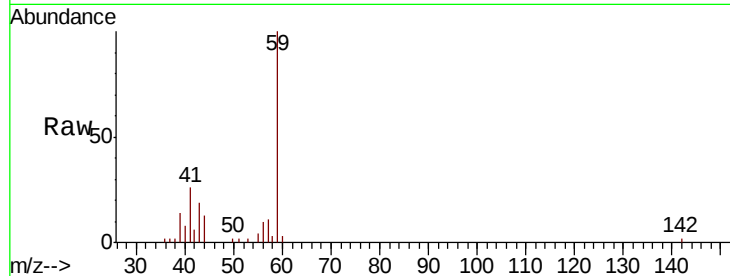
VN1001WBSD01

Tot Ion: 59 Resp: 40818

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 19.017 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN051630.D

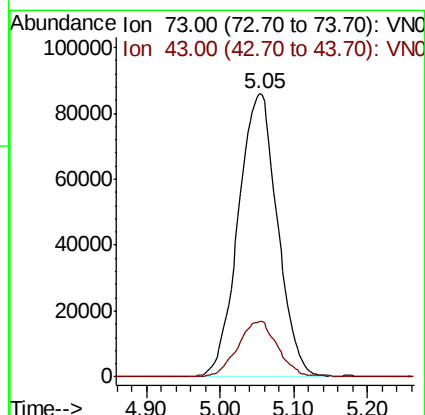
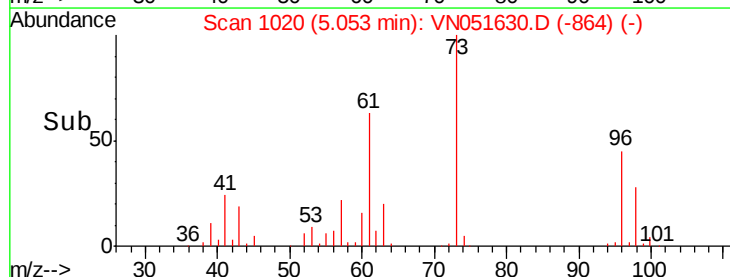
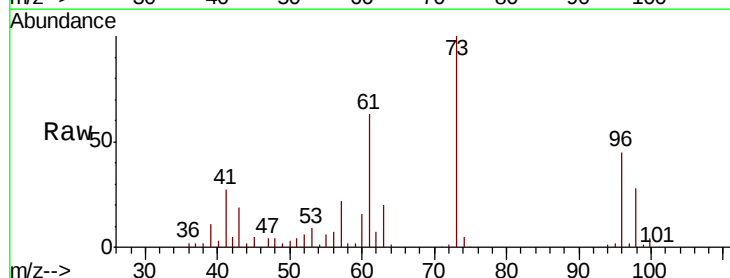
Acq: 1 Oct 2018 12:01

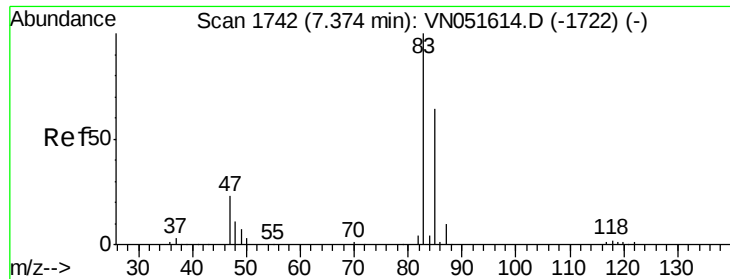
Tgt Ion: 73 Resp: 318319

Ion Ratio Lower Upper

73 100

43 19.2 16.1 24.1

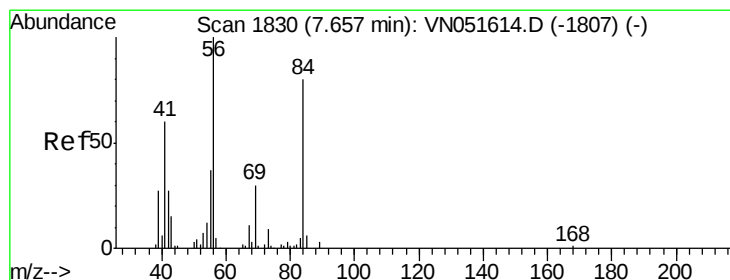
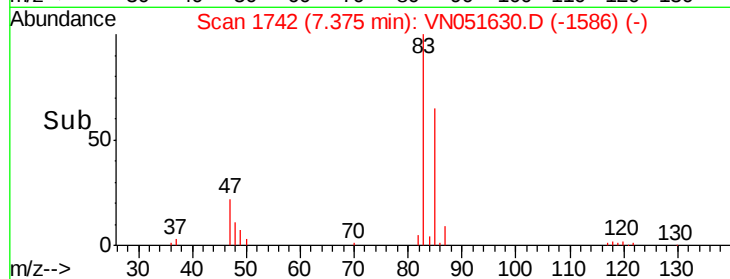
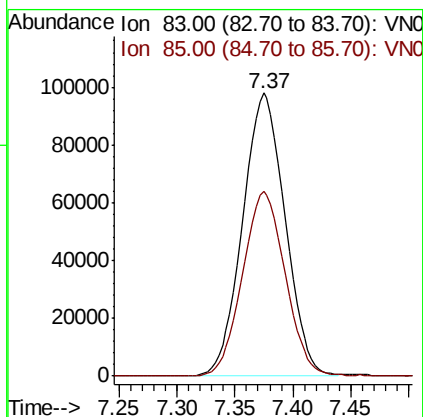
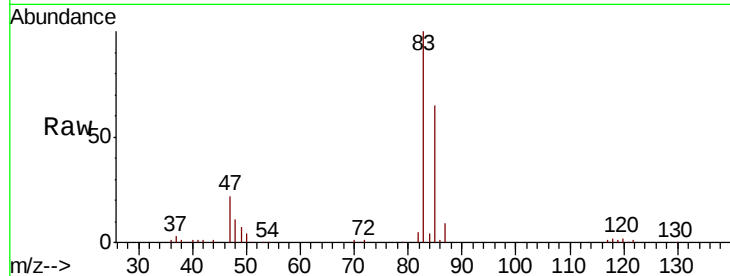




#25
Chloroform
Concen: 19.561 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

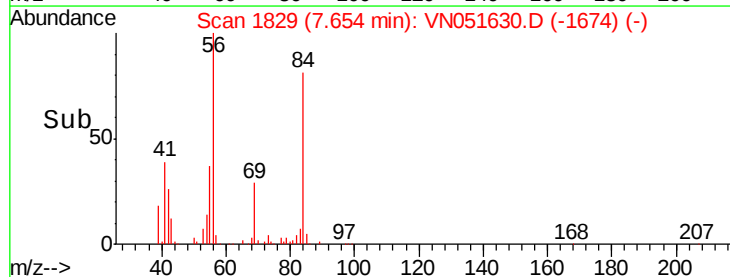
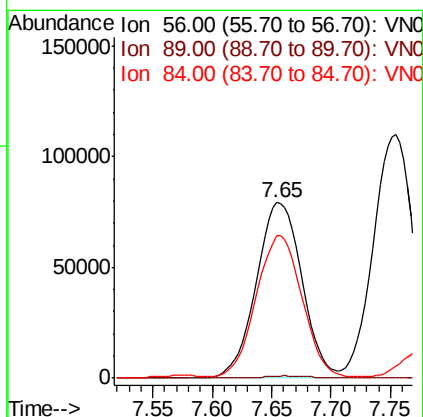
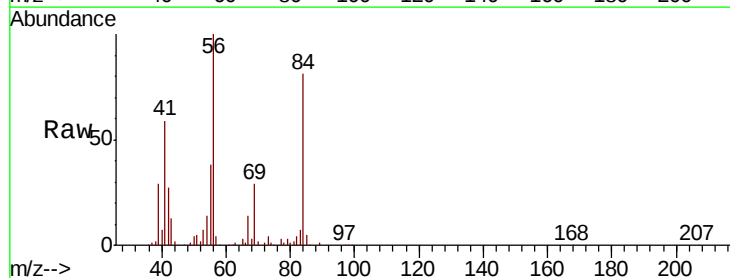
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

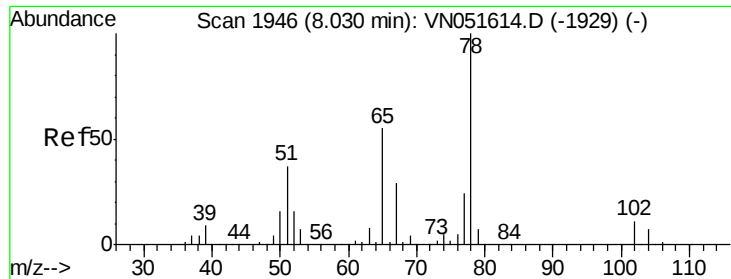
Tot Ion: 83 Resp: 250531
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.0



#26
Cyclohexane
Concen: 18.211 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion: 56 Resp: 211095
Ion Ratio Lower Upper
56 100
89 1.2 2.2 3.2#
84 82.1 65.0 97.4

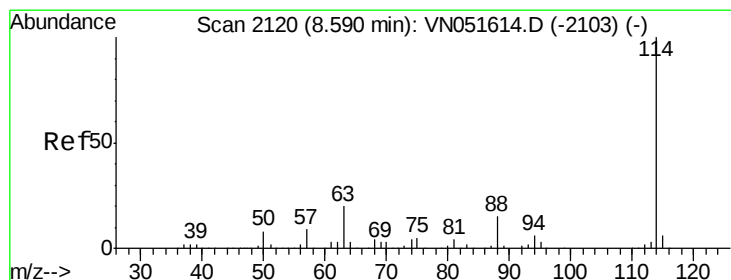
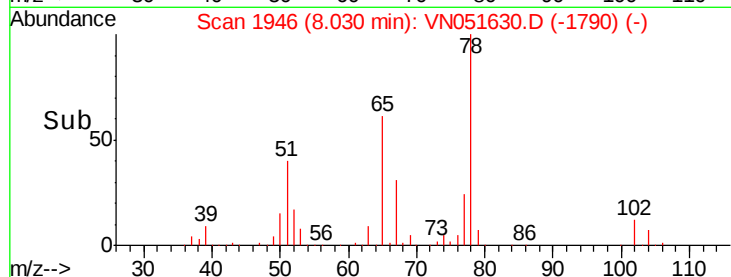
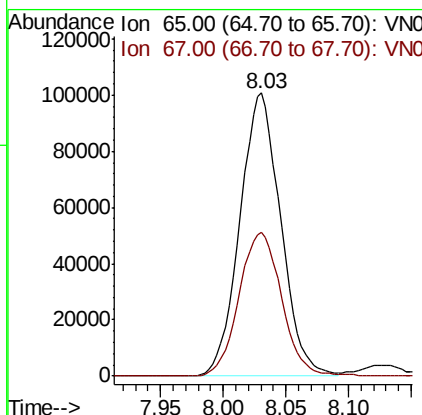
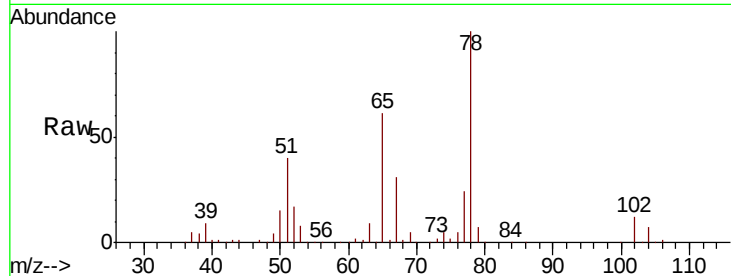




#27
 1,2-Dichloroethane-d4
 Concen: 18.211 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

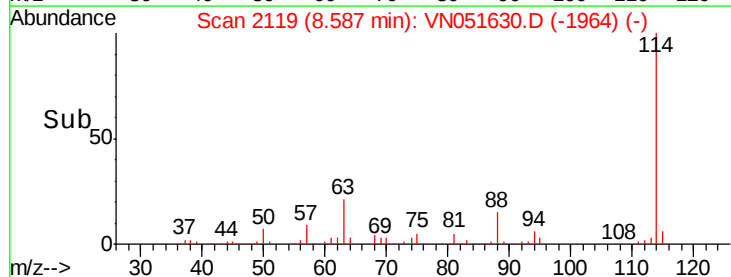
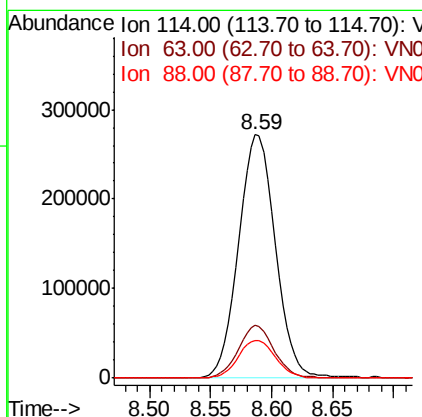
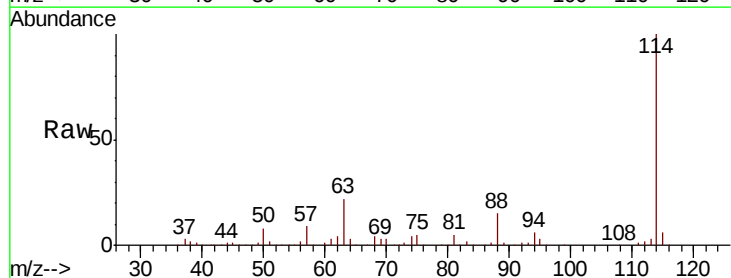
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

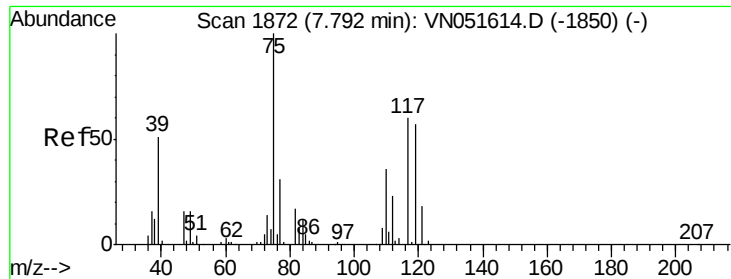
Tot Ion: 65 Resp: 228542
 Ion Ratio Lower Upper
 65 100
 67 52.7 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion: 114 Resp: 567782
 Ion Ratio Lower Upper
 114 100
 63 21.0 16.4 24.6
 88 15.8 12.6 18.8

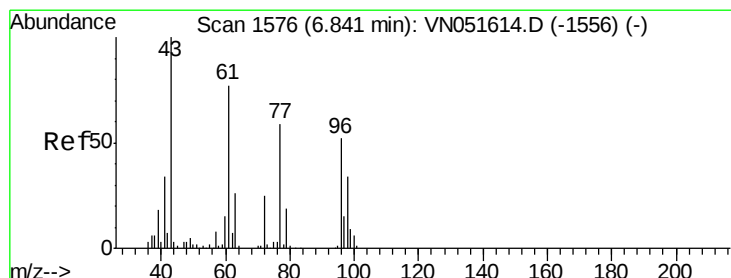
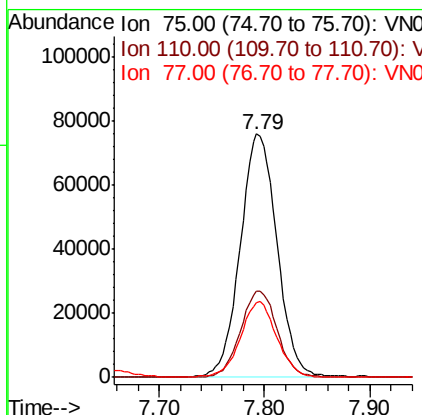
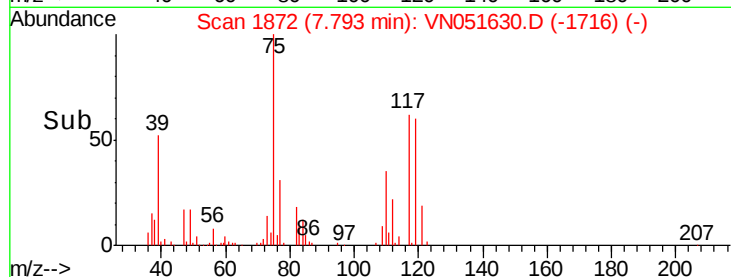
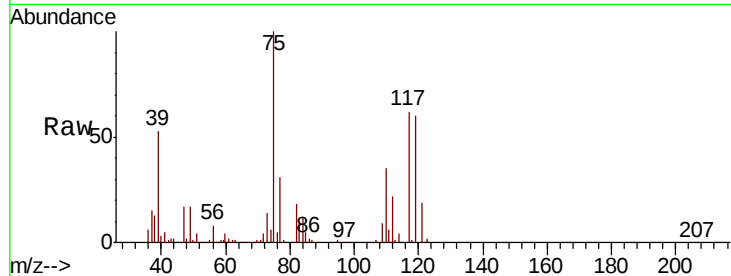




#29
 1,1-Dichloropropene
 Concen: 19.024 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

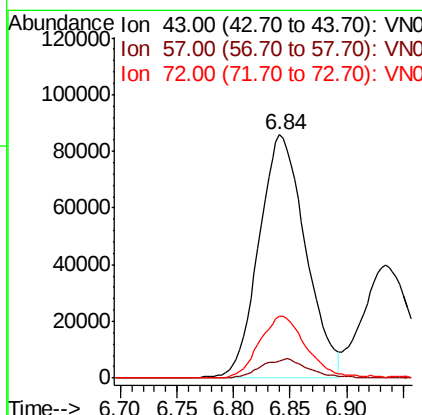
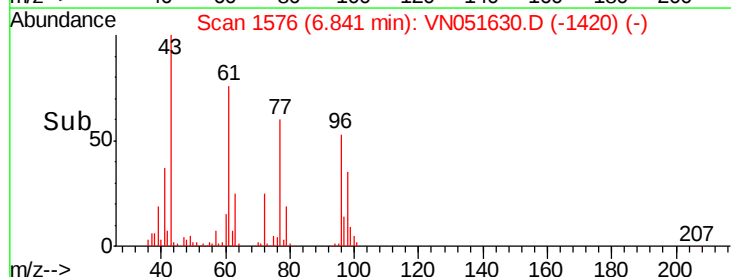
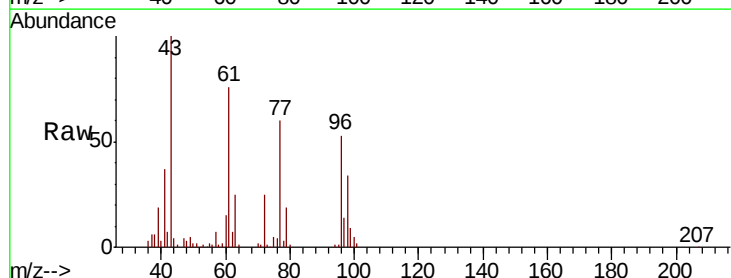
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

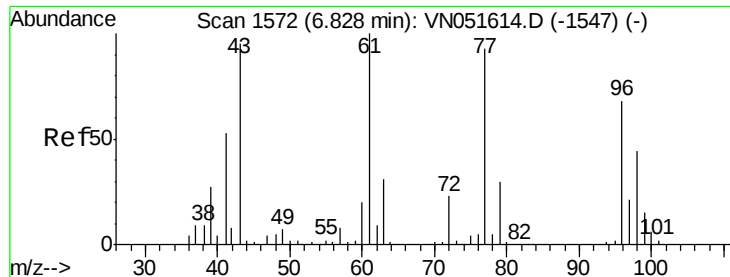
Tot Ion	Ratio	Lower	Upper
75	100		
110	35.3	0.0	71.0
77	30.7	0.0	62.4



#30
 2-Butanone
 Concen: 92.492 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.6	10.0
72	25.8	20.8	31.2





#31

2,2-Dichloropropane

Concen: 19.002 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

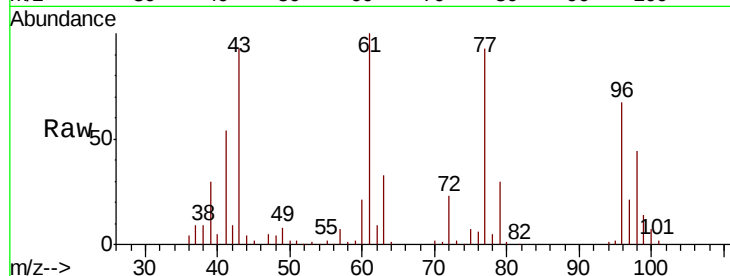
VN1001WBSD01

Tot Ion: 77 Resp: 198556

Ion Ratio Lower Upper

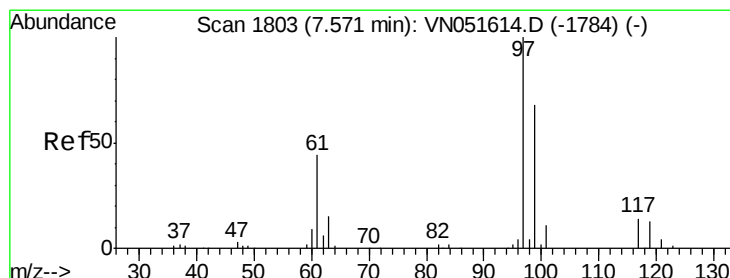
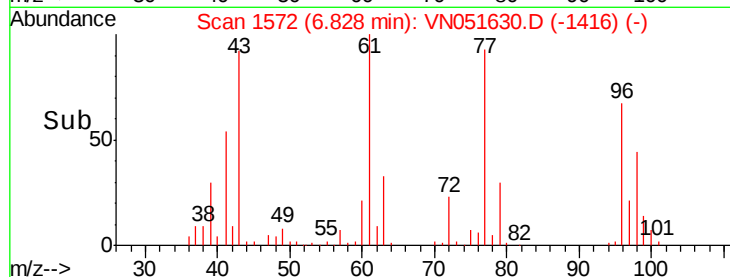
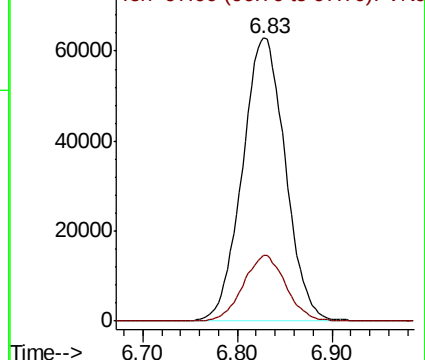
77 100

97 22.9 18.6 28.0



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.639 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

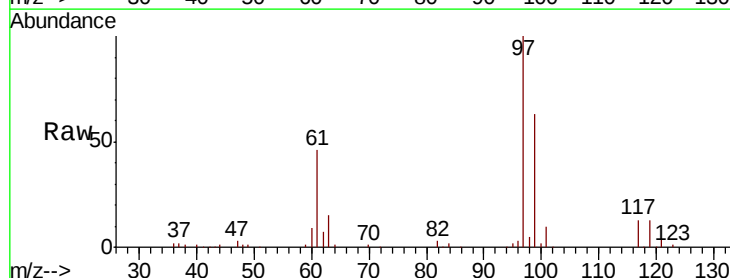
Tgt Ion: 97 Resp: 213641

Ion Ratio Lower Upper

97 100

99 63.3 52.2 78.4

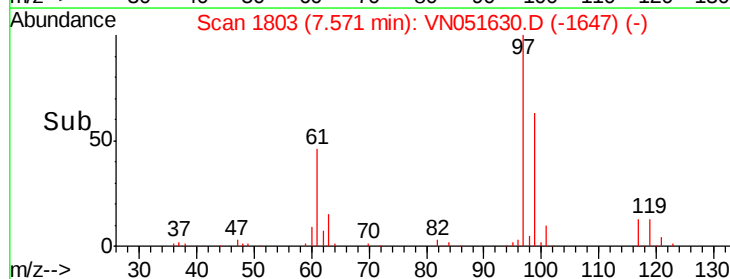
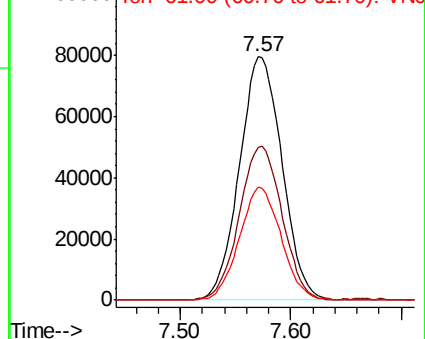
61 45.5 36.2 54.4

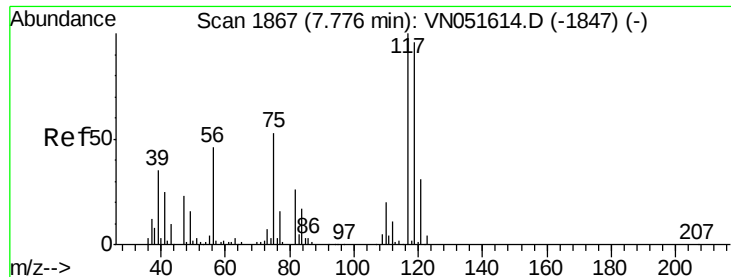


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

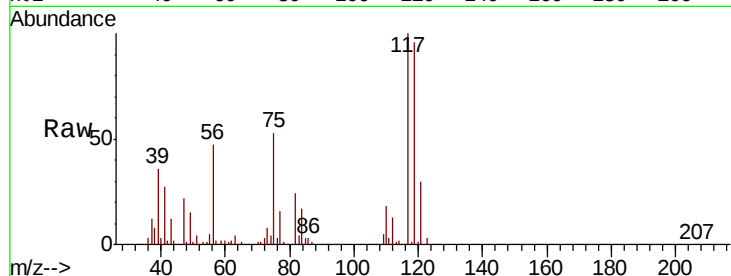




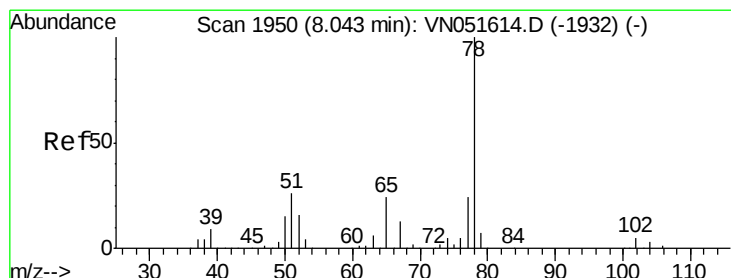
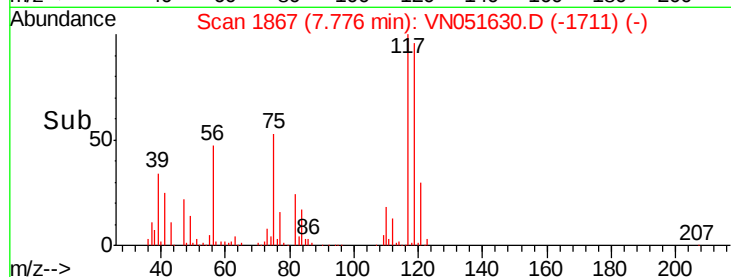
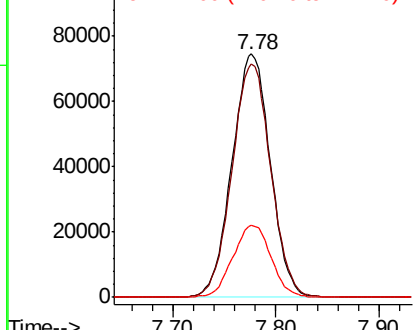
#33
Carbon Tetrachloride
Concen: 19.701 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion:117 Resp: 192619
Ion Ratio Lower Upper
117 100
119 95.7 76.5 114.7
121 29.6 25.0 37.6

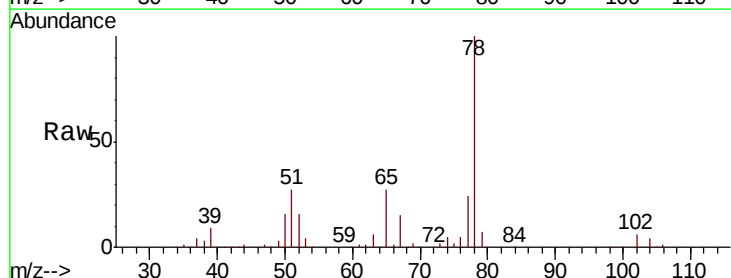


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

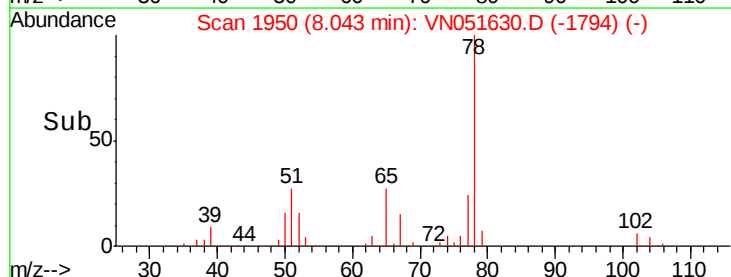
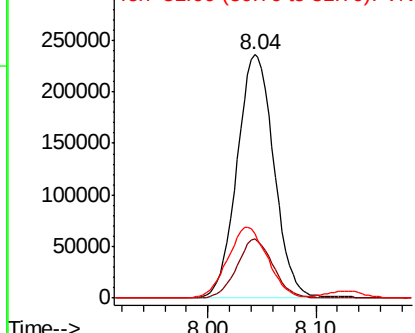


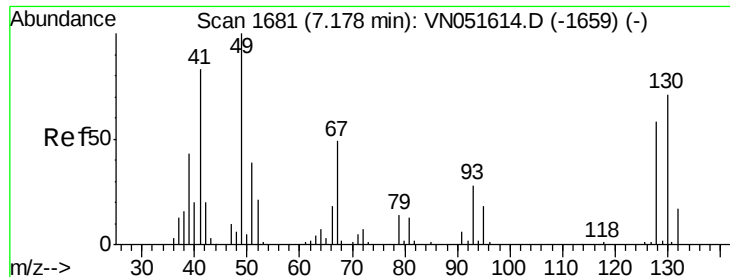
#34
Benzene
Concen: 19.580 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion: 78 Resp: 562416
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9
51 26.4 20.8 31.2



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

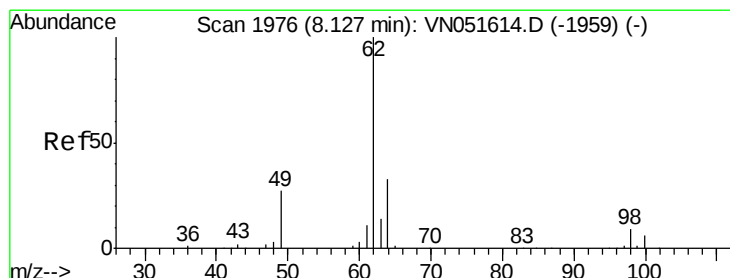
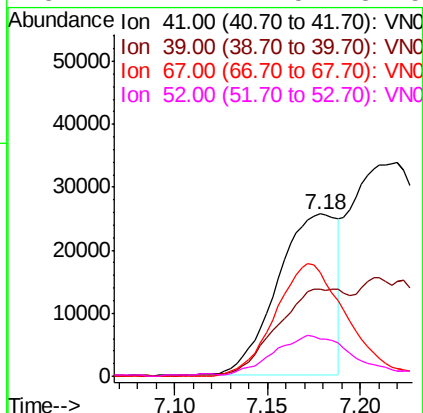
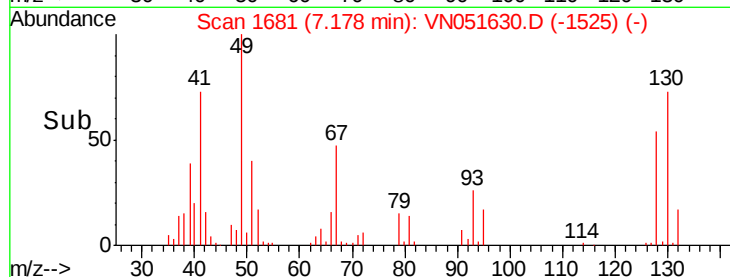
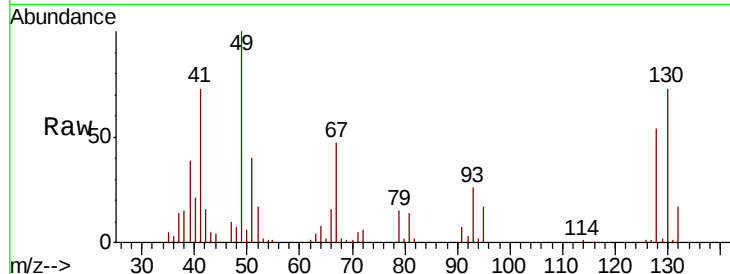




#35
Methacrylonitrile
Concen: 19.382 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

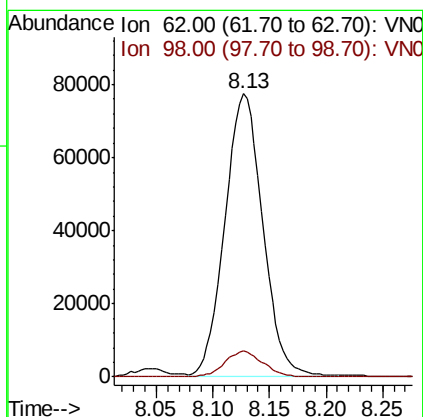
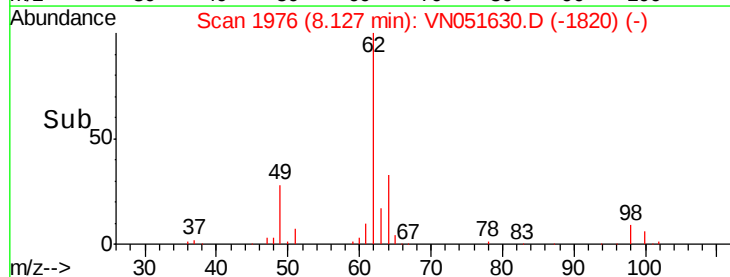
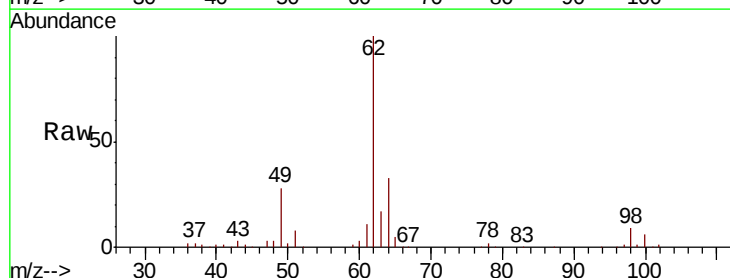
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

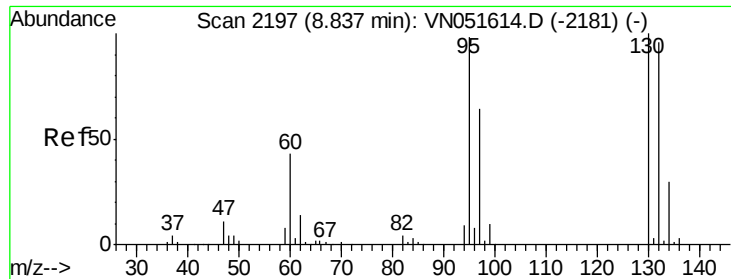
Tot Ion: 41 Resp: 57420
Ion Ratio Lower Upper
41 100
39 53.2 25.6 76.8
67 64.8 29.4 88.2
52 22.4 12.5 37.5



#36
1,2-Dichloroethane
Concen: 19.694 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion: 62 Resp: 180313
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.2

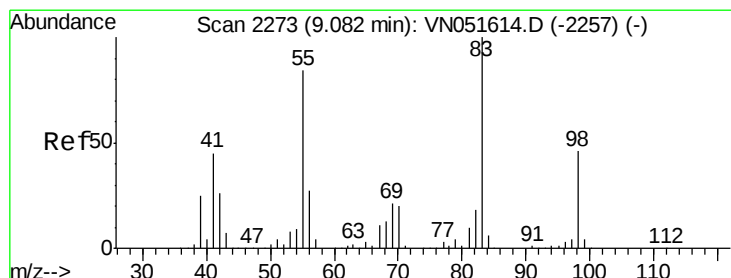
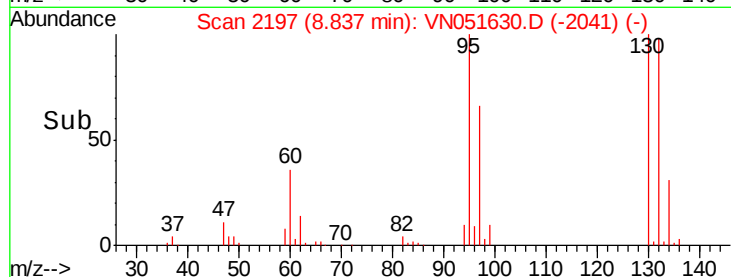
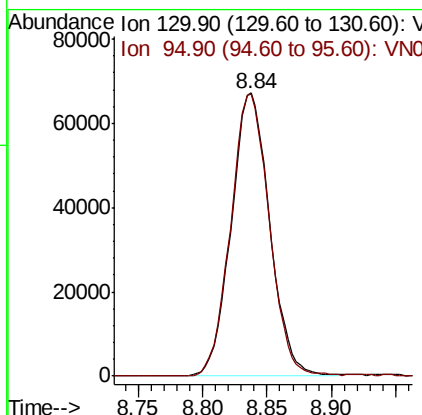
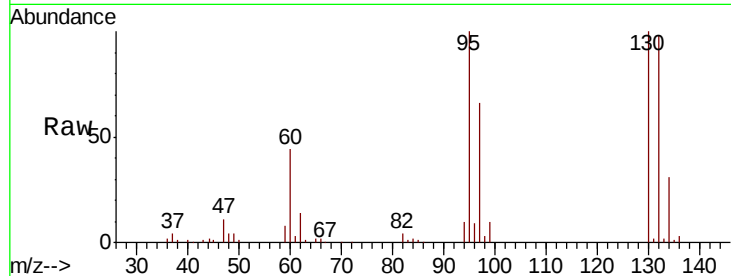




#37
 Trichloroethene
 Concen: 18.901 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

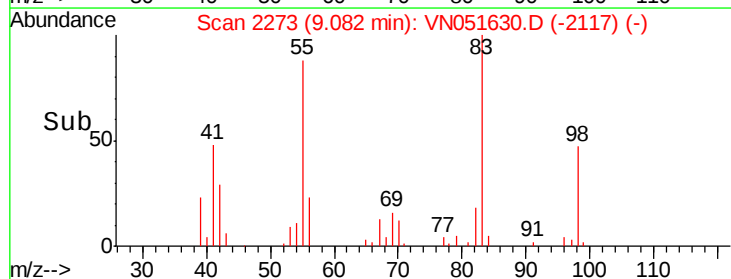
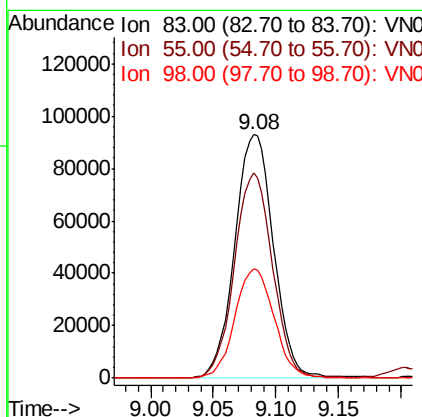
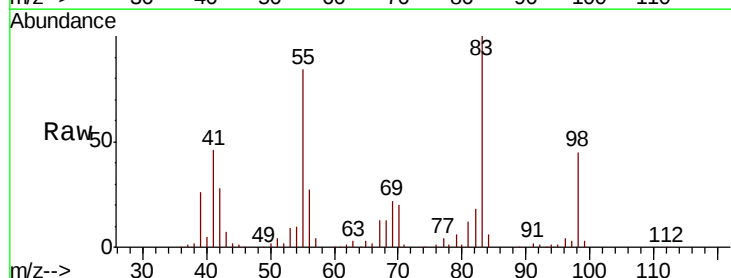
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

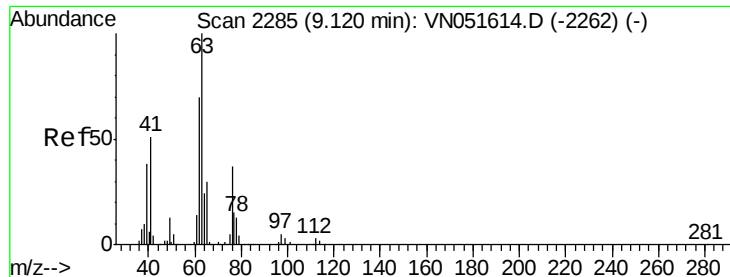
Tot Ion:130 Resp: 139391
 Ion Ratio Lower Upper
 130 100
 95 99.8 78.4 117.6



#38
 Methylcyclohexane
 Concen: 17.909 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion: 83 Resp: 200083
 Ion Ratio Lower Upper
 83 100
 55 82.6 41.6 124.9
 98 45.3 23.1 69.2





#39

1,2-Dichloropropane

Concen: 19.441 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

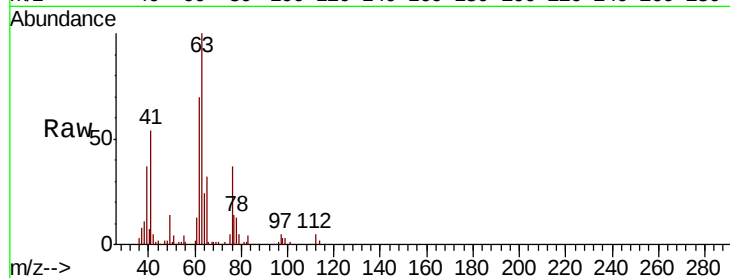
VN1001WBSD01

Tot Ion: 63 Resp: 153018

Ion Ratio Lower Upper

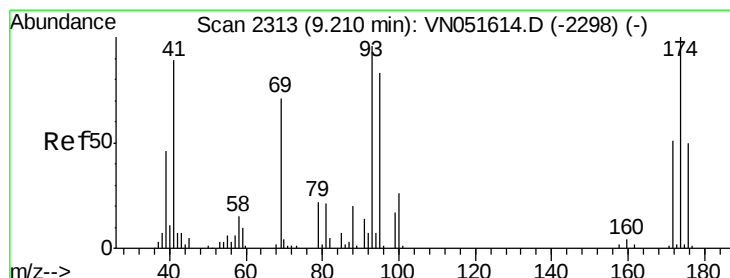
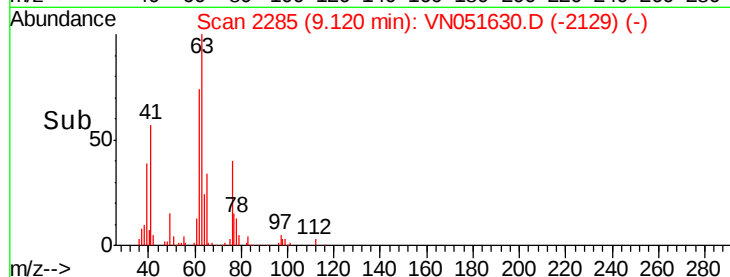
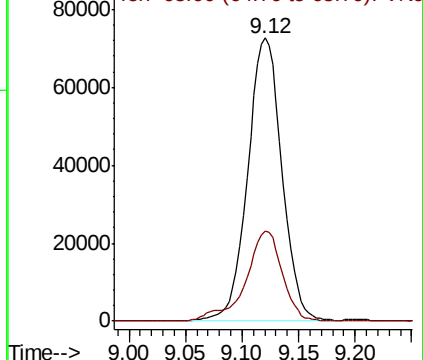
63 100

65 31.3 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.884 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

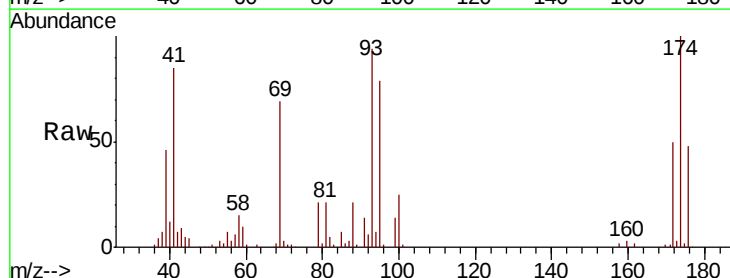
Tgt Ion: 93 Resp: 86937

Ion Ratio Lower Upper

93 100

95 83.3 0.0 171.0

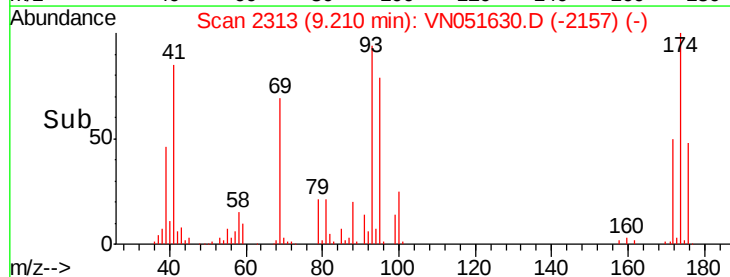
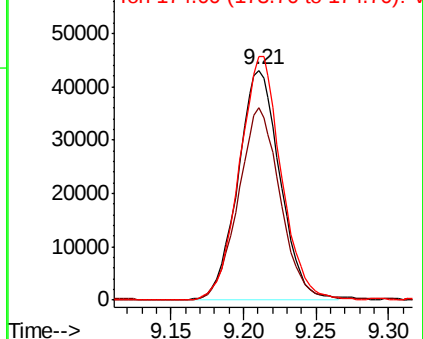
174 105.5 0.0 212.0

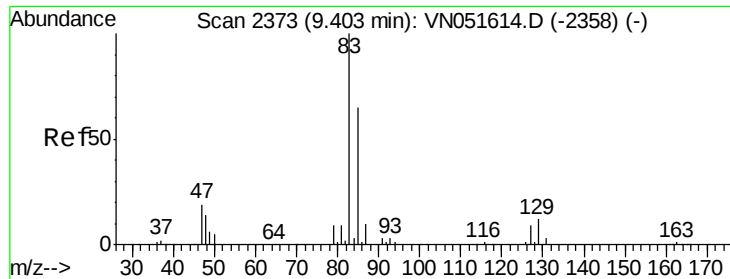


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.488 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

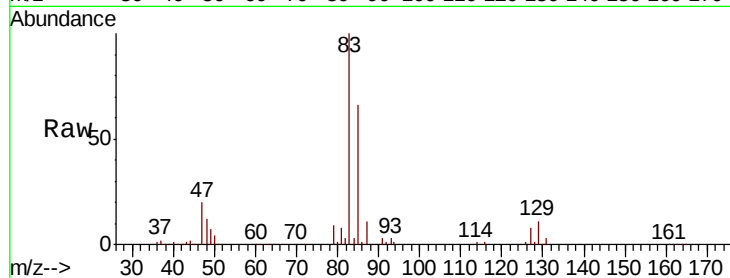
Tot Ion: 83 Resp: 185994

Ion Ratio Lower Upper

83 100

85 66.2 52.1 78.1

127 8.3 7.1 10.7

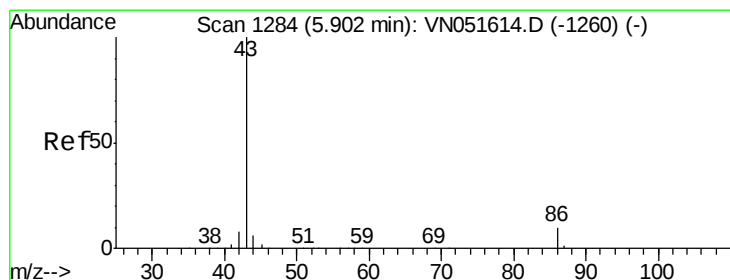
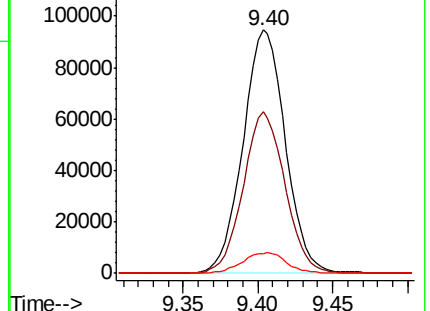
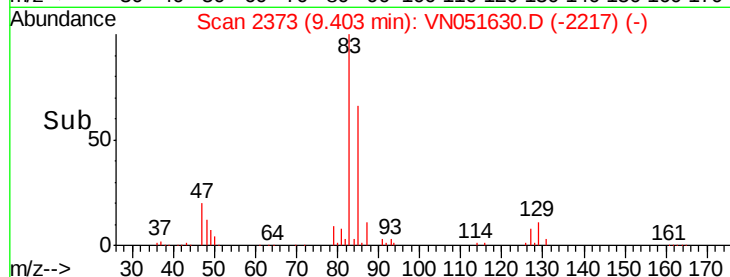


Abundance Ion 83.00 (82.70 to 83.70): VN051614.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN051614.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN051614.D (-2358) (-)

Time-->



#42

Vinyl Acetate

Concen: 94.548 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051630.D

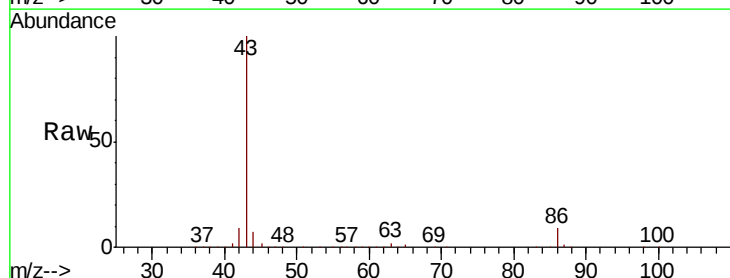
Acq: 1 Oct 2018 12:01

Tgt Ion: 43 Resp: 1386989

Ion Ratio Lower Upper

43 100

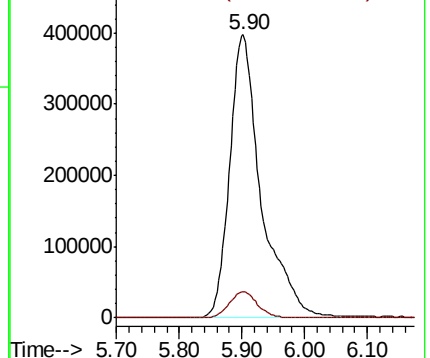
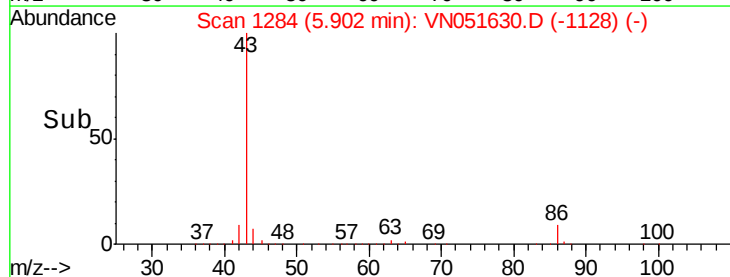
86 8.2 6.6 9.8

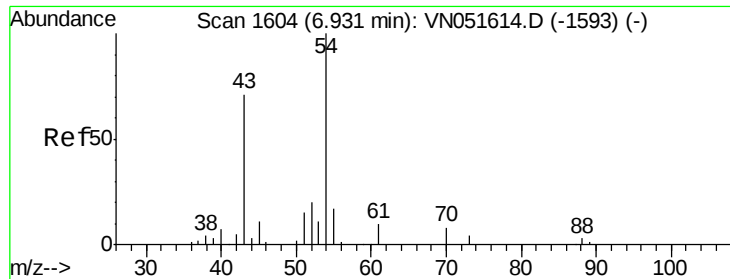


Abundance Ion 43.00 (42.70 to 43.70): VN051614.D (-1260) (-)

Ion 86.00 (85.70 to 86.70): VN051614.D (-1260) (-)

Time-->





#43

Ethyl Acetate

Concen: 18.365 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

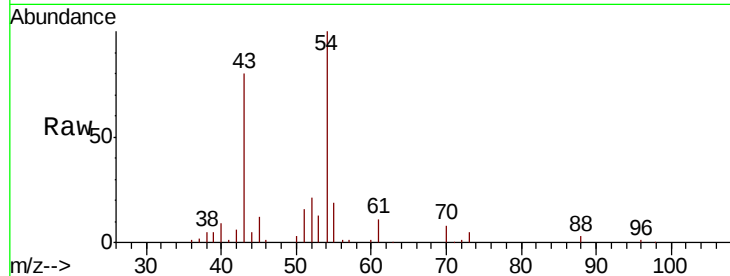
VN1001WBSD01

Tot Ion: 43 Resp: 102431

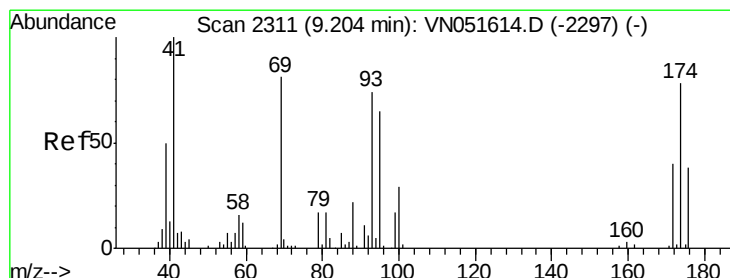
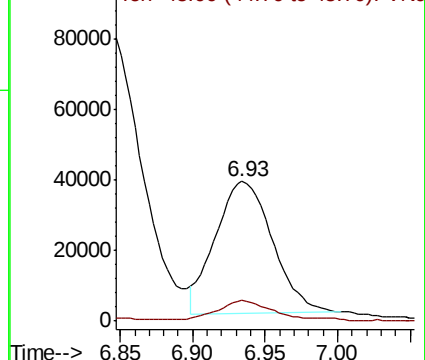
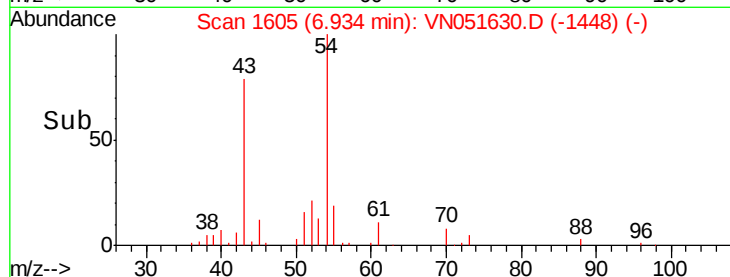
Ion Ratio Lower Upper

43 100

45 13.5 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN051630.D (-1448) (-)



#45

1,4-Dioxane

Concen: 406.199 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

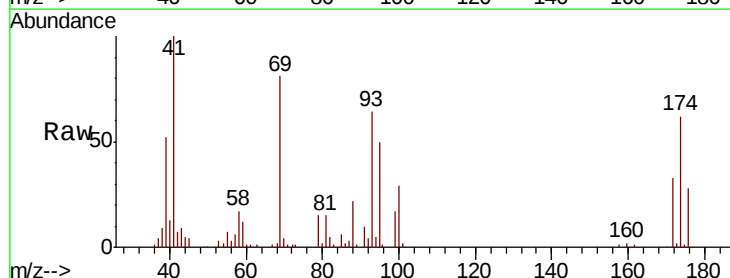
Tgt Ion: 88 Resp: 23997

Ion Ratio Lower Upper

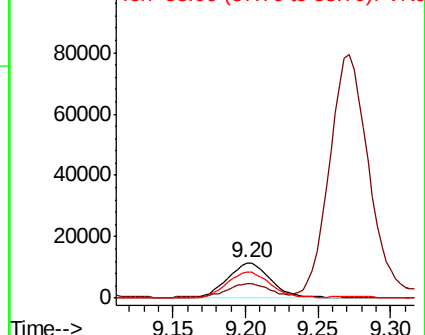
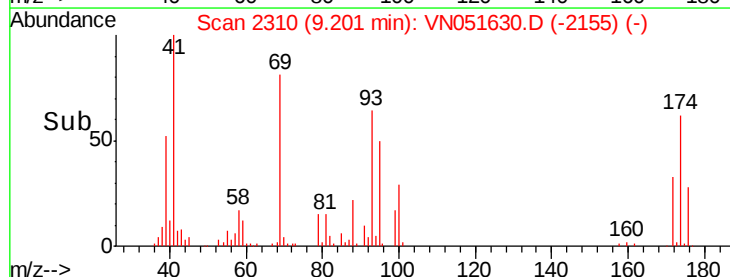
88 100

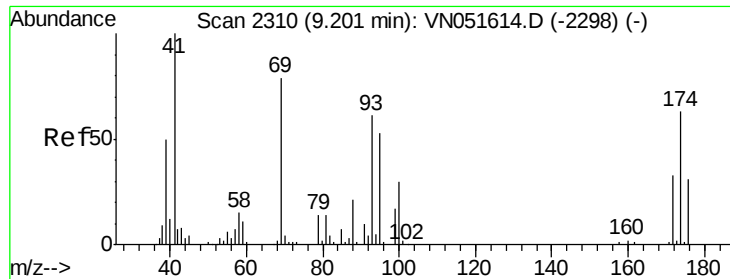
43 39.5 29.0 43.6

58 73.8 59.0 88.6



Abundance Ion 88.00 (87.70 to 88.70): VN051630.D (-2155) (-)

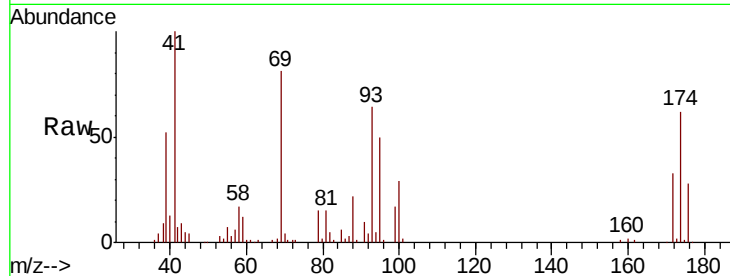




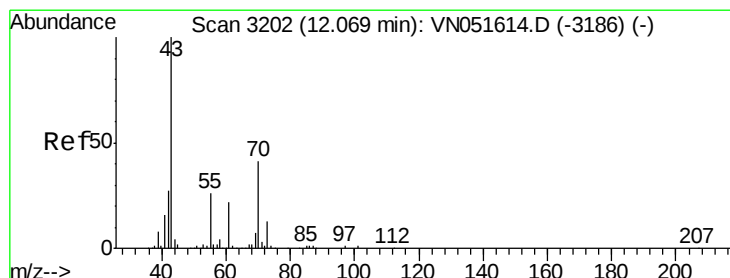
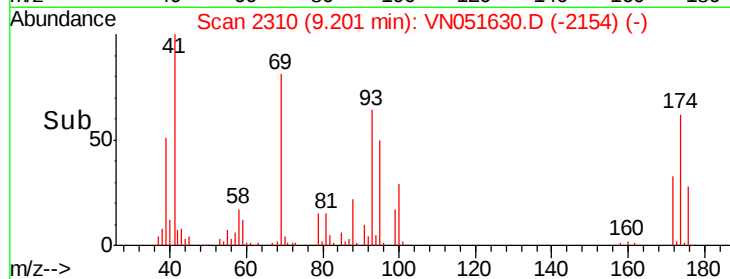
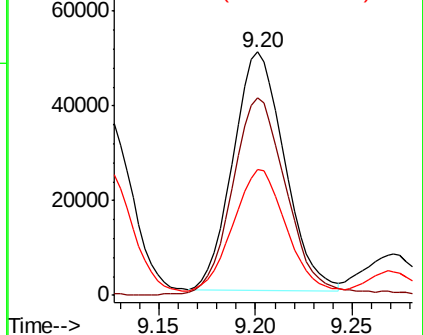
#46
Methyl methacrylate
Concen: 18.361 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VN1001WBSD01

Tot Ion: 41 Resp: 93279
Ion Ratio Lower Upper
41 100
69 82.2 39.6 118.7
39 50.9 24.9 74.6

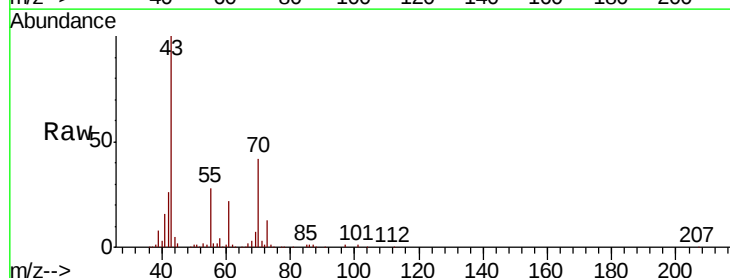


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

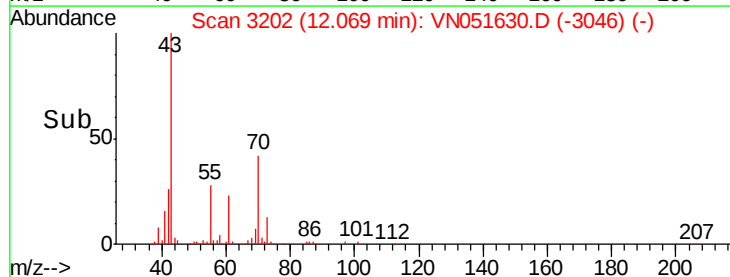
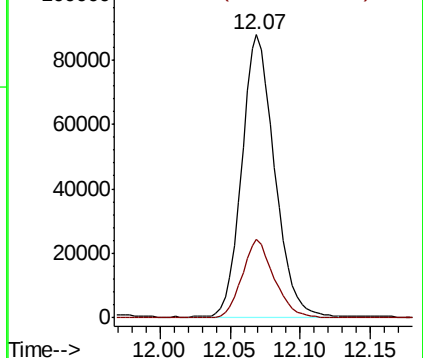


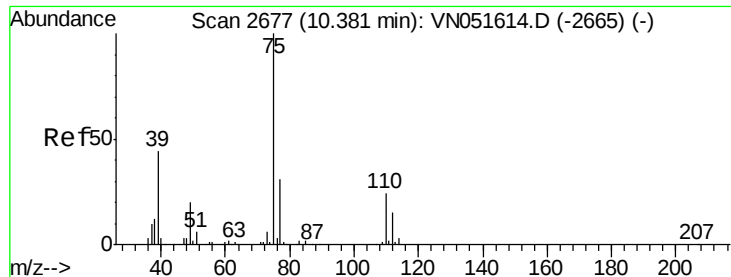
#47
n-ethyl acetate
Concen: 17.437 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion: 43 Resp: 142479
Ion Ratio Lower Upper
43 100
55 27.1 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





#48

t-1,3-Dichloropropene

Concen: 17.954 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

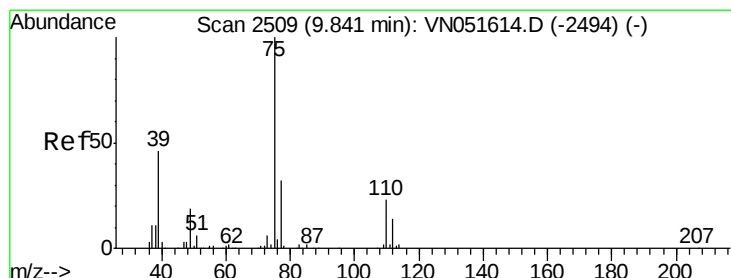
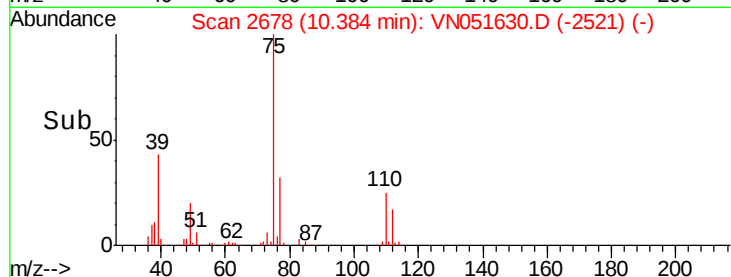
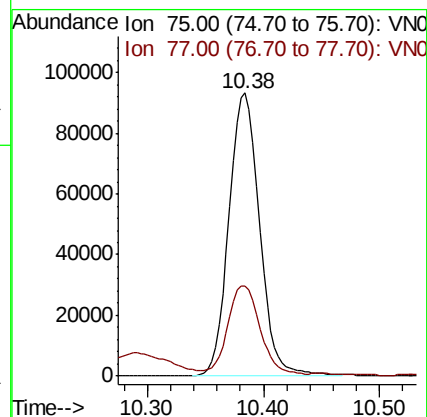
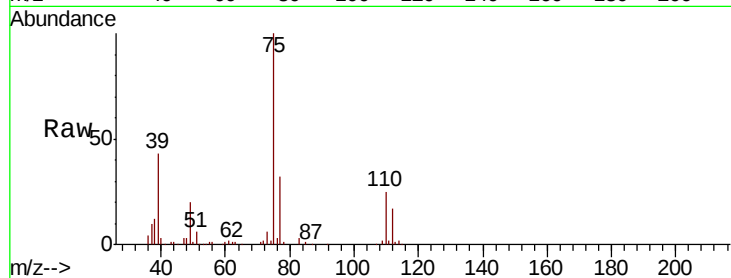
VN1001WBSD01

Tot Ion: 75 Resp: 171020

Ion Ratio Lower Upper

75 100

77 31.0 26.0 39.0



#49

cis-1,3-Dichloropropene

Concen: 18.925 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

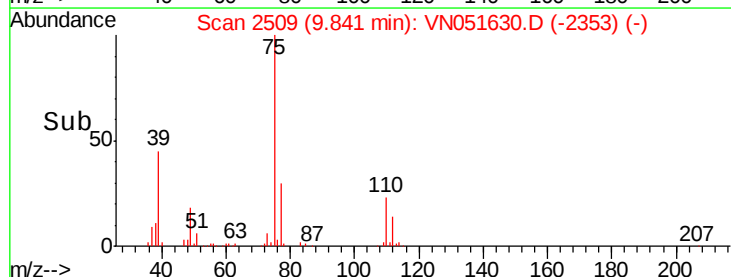
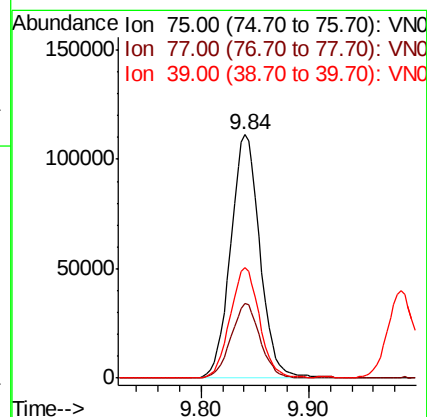
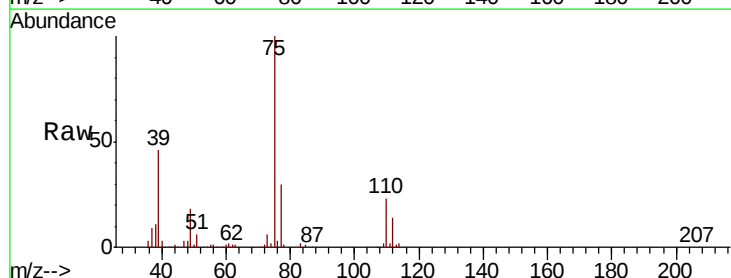
Tgt Ion: 75 Resp: 210757

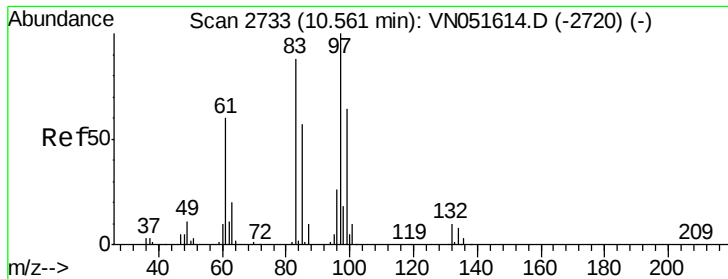
Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

39 45.3 36.6 55.0



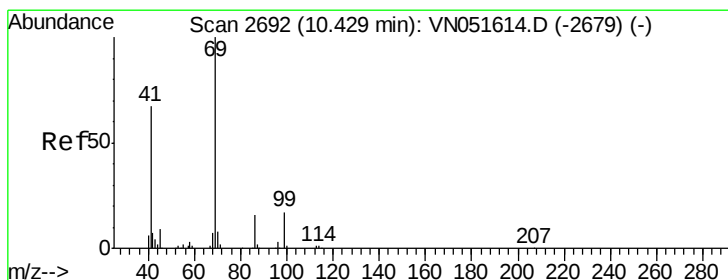
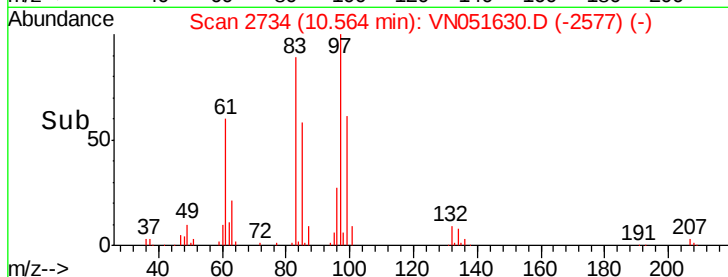
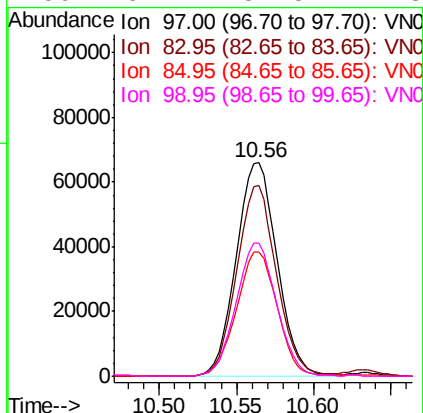
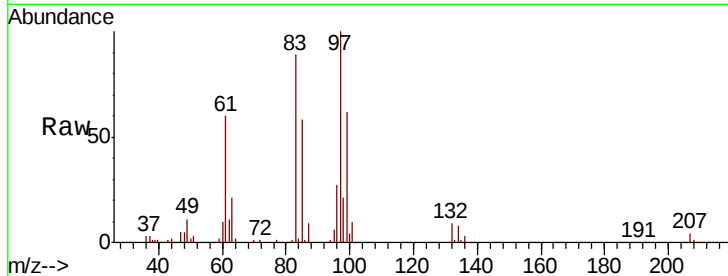


#50
 1,1,2-Trichloroethane
 Concen: 19.649 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion: 97 Resp: 121406

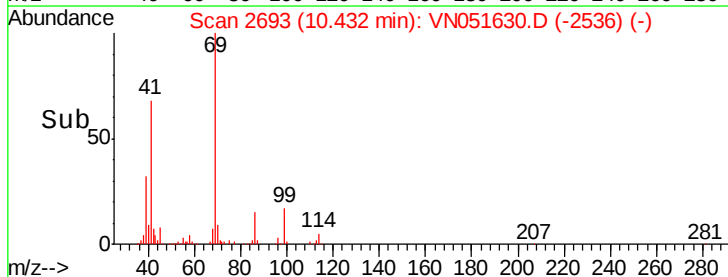
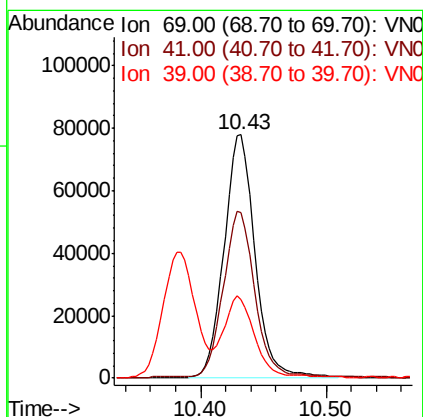
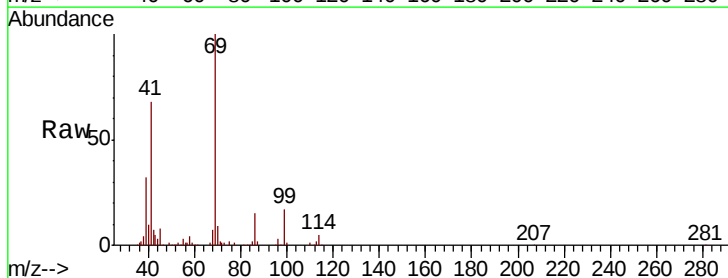
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.2	105.2
85	58.4	45.6	68.4
99	62.1	51.5	77.3

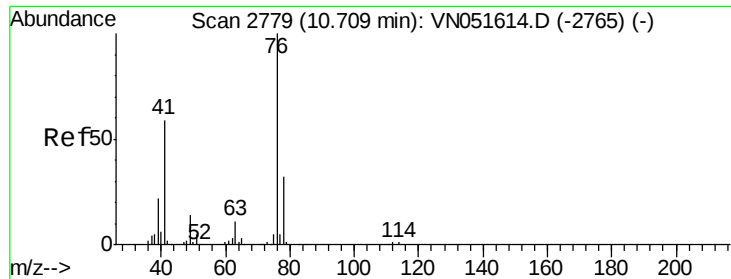


#51
 Ethyl methacrylate
 Concen: 17.890 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion: 69 Resp: 134117

Ion	Ratio	Lower	Upper
69	100		
41	67.5	33.3	99.8
39	31.7	17.2	51.6

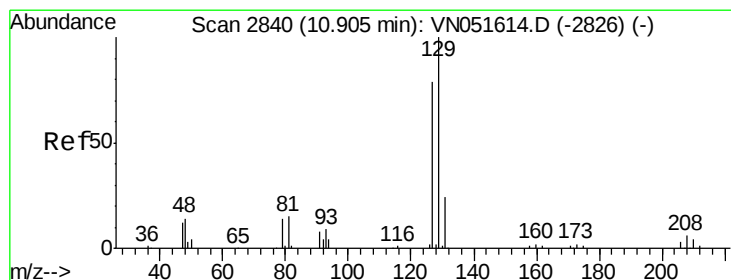
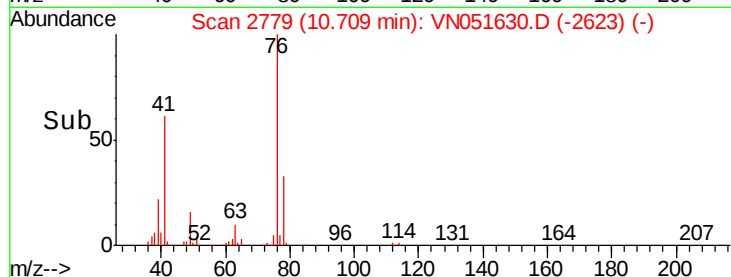
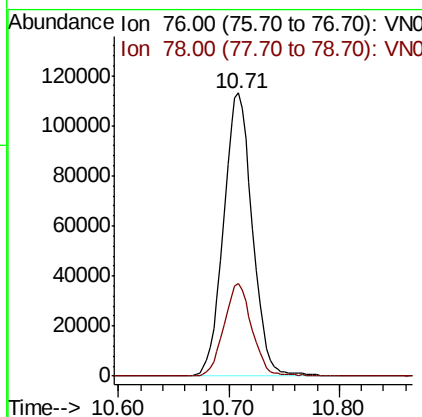
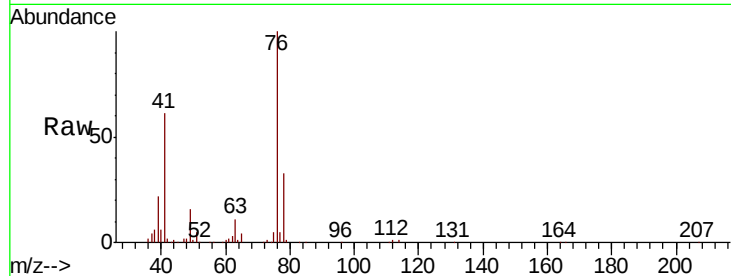




#52
 1,3-Dichloropropane
 Concen: 19.285 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

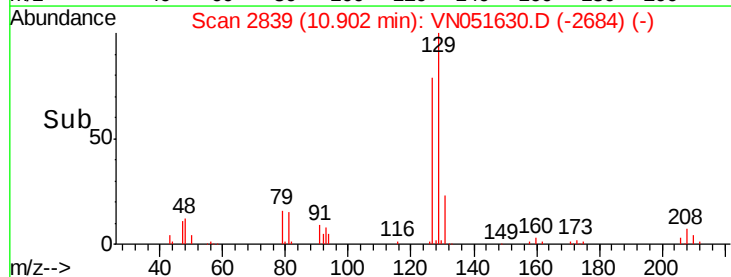
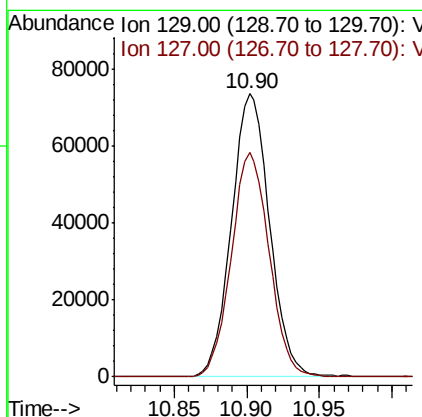
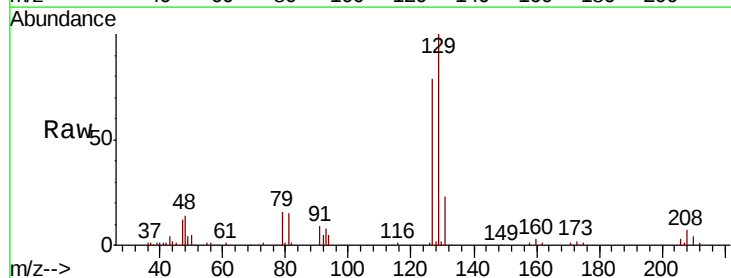
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

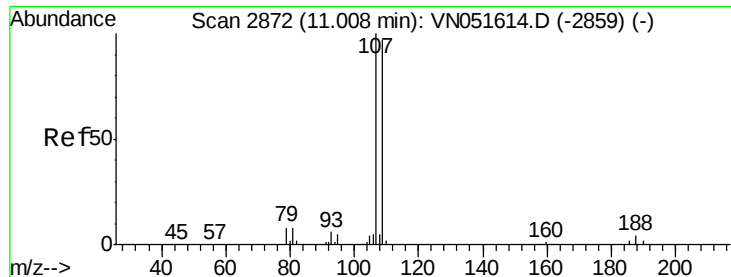
Tot Ion: 76 Resp: 204309
 Ion Ratio Lower Upper
 76 100
 78 31.8 0.0 63.4



#53
 Dibromochloromethane
 Concen: 19.133 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion: 129 Resp: 134643
 Ion Ratio Lower Upper
 129 100
 127 78.5 38.9 116.7

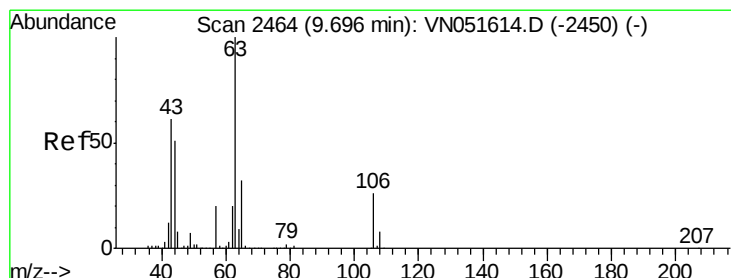
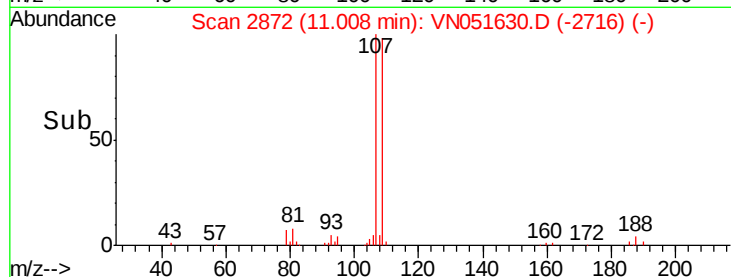
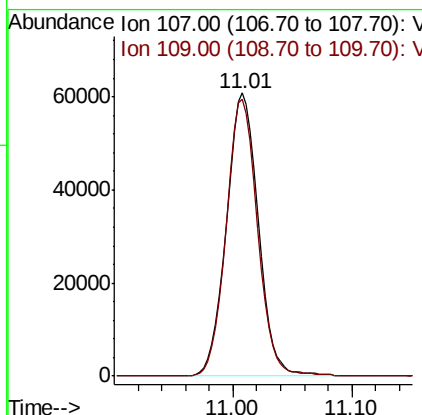
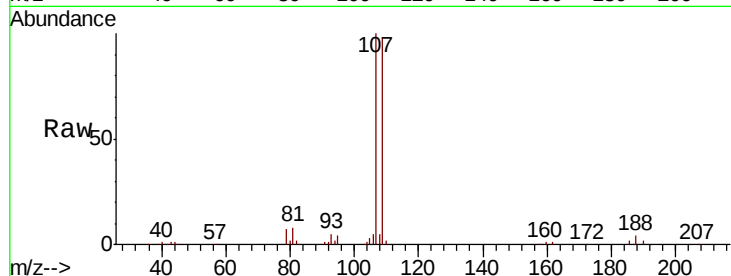




#54
 1,2-Dibromoethane
 Concen: 19.025 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

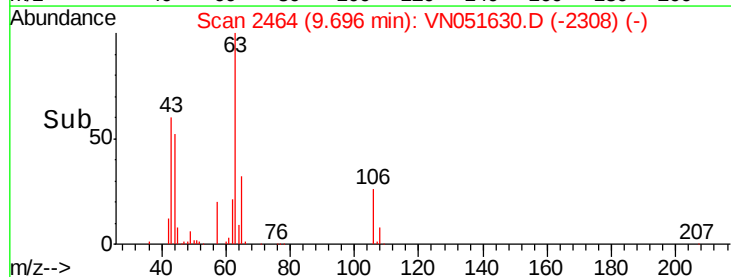
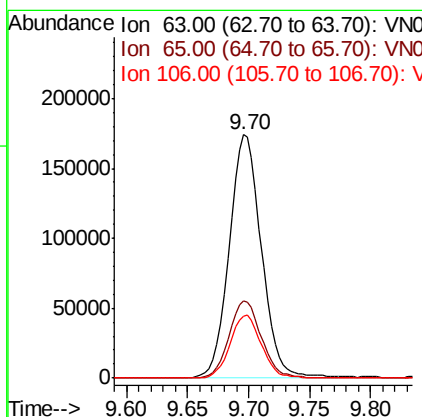
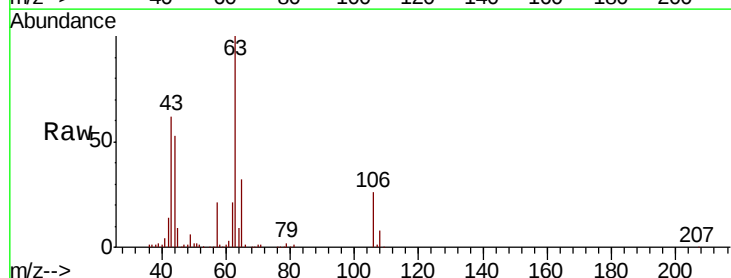
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

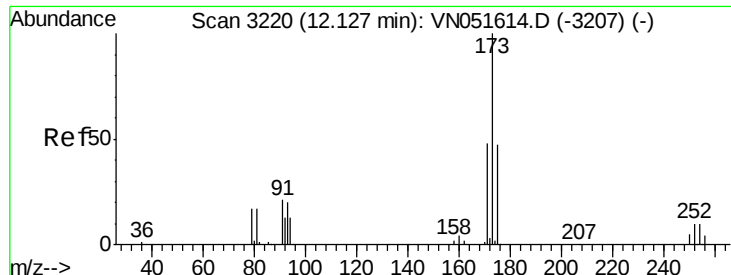
Tot Ion:107 Resp: 112795
 Ion Ratio Lower Upper
 107 100
 109 96.4 76.5 114.7



#55
 2-Chloroethyl vinyl ether
 Concen: 86.297 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion: 63 Resp: 319769
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.8 38.6
 106 25.1 20.4 30.6

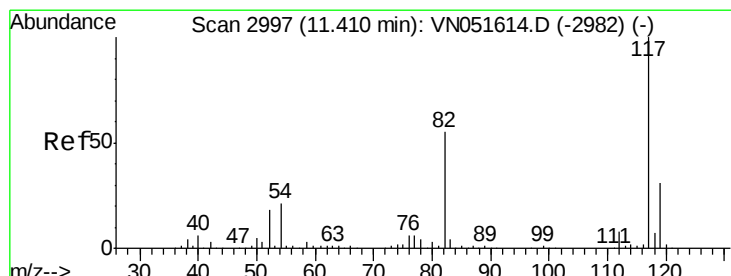
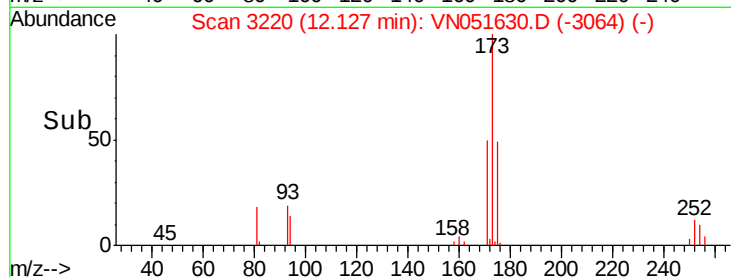
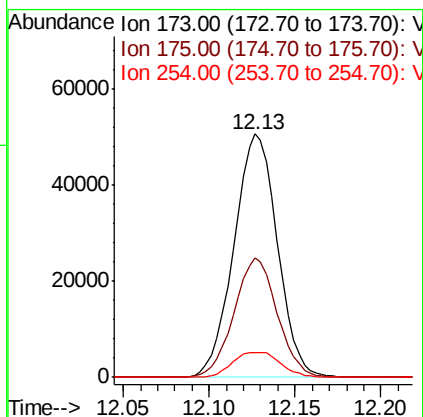
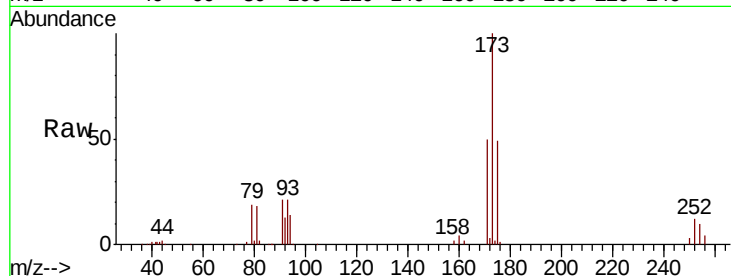




#56
Bromoform
Concen: 19.094 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

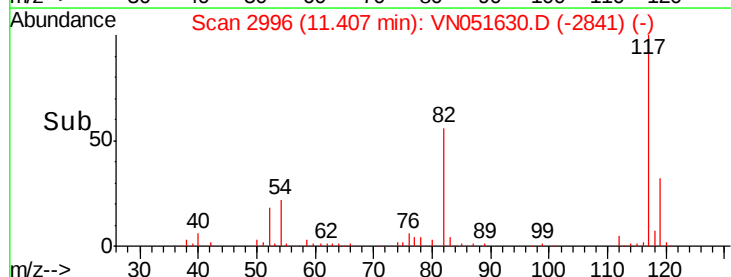
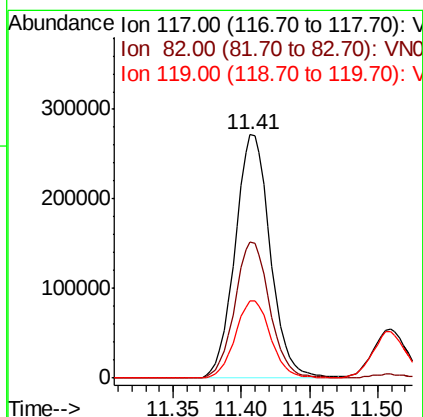
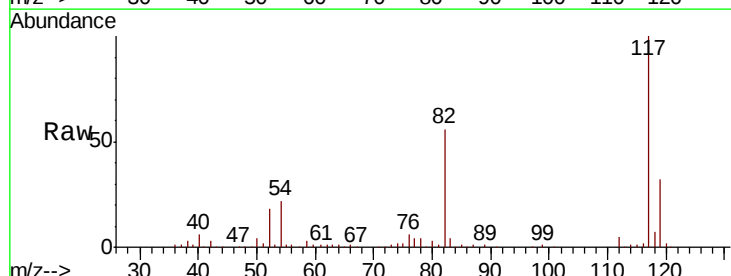
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

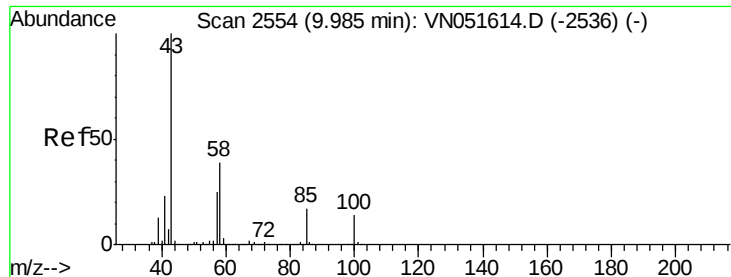
Tot Ion:173 Resp: 89161
Ion Ratio Lower Upper
173 100
175 48.7 39.0 58.4
254 11.4 8.7 13.1



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion:117 Resp: 486350
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 32.1 25.2 37.8

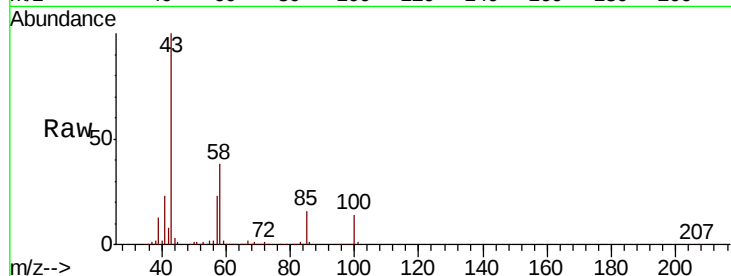




#58
4-Methyl-2-Pentanone
Concen: 100.353 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.0	31.0	46.4
85	16.4	13.4	20.2

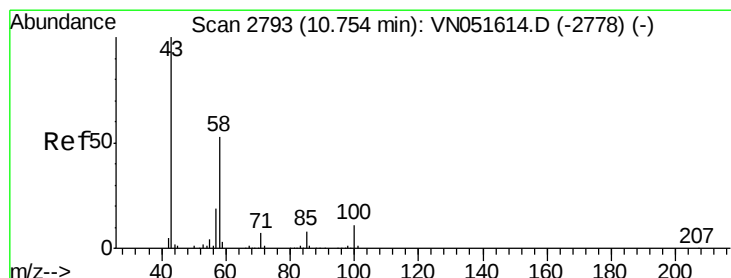
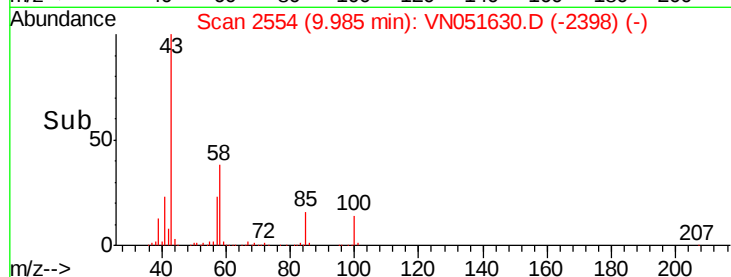
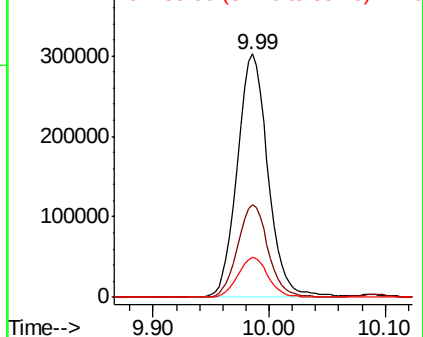


Abundance

Ion 43.00 (42.70 to 43.70): VN0

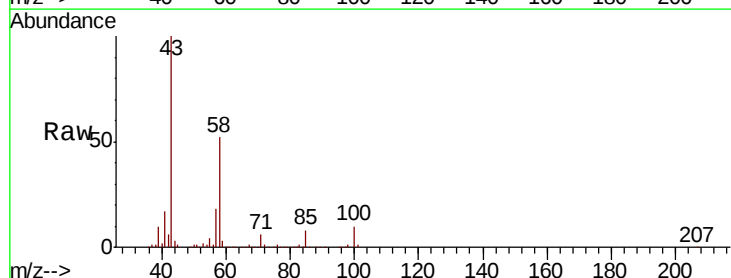
Ion 58.00 (57.70 to 58.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#59
2-Hexanone
Concen: 94.302 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.9	41.5	62.3
57	17.9	14.2	21.4

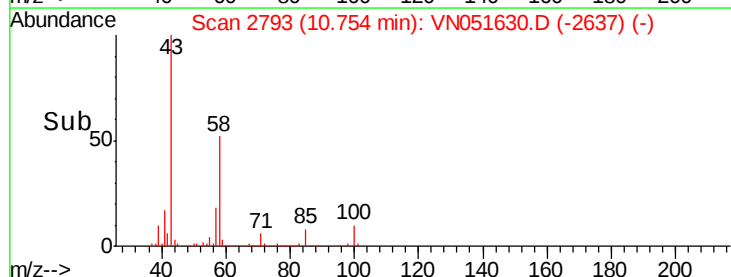
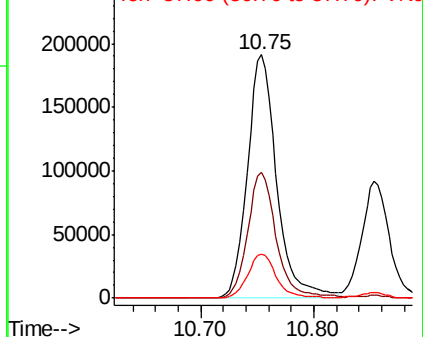


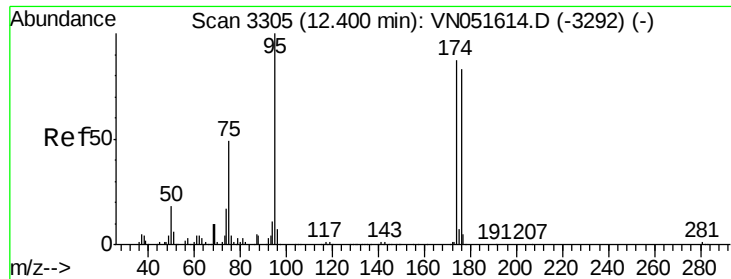
Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

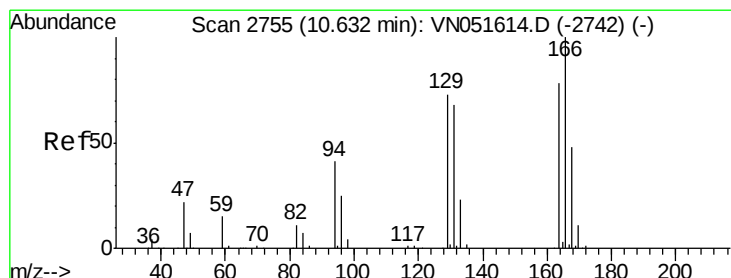
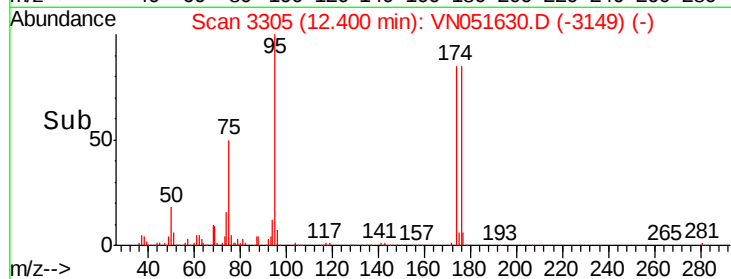
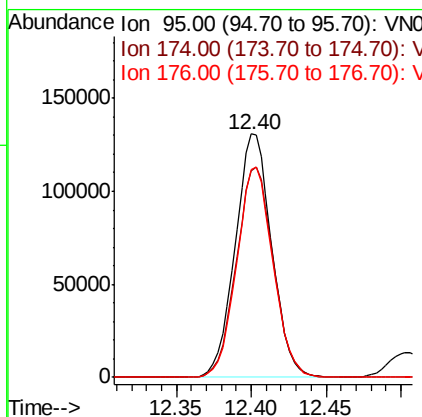
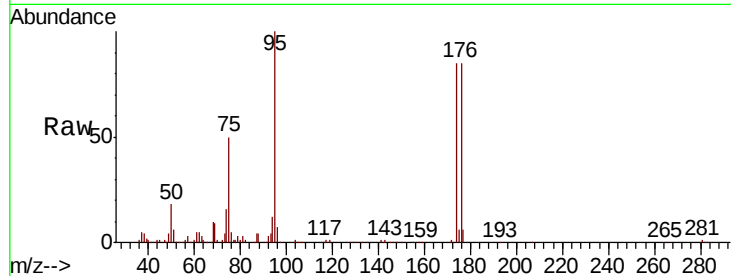




#60
4-Bromofluorobenzene
Concen: 94.302 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

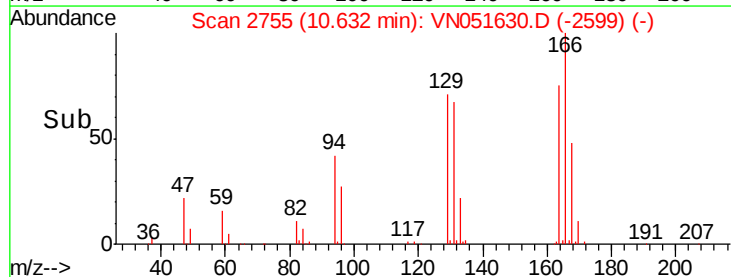
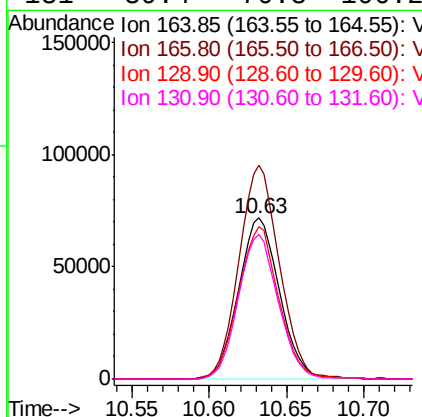
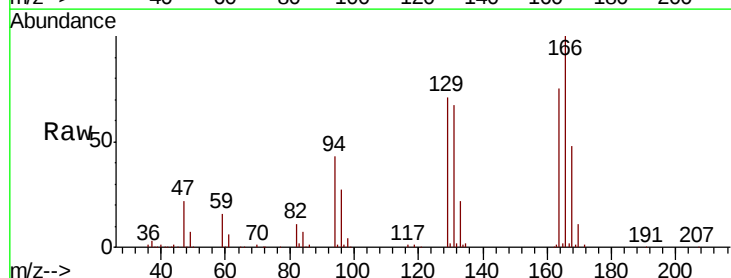
Instrument :
MSVOA_N
ClientSampled :
VN1001WBSD01

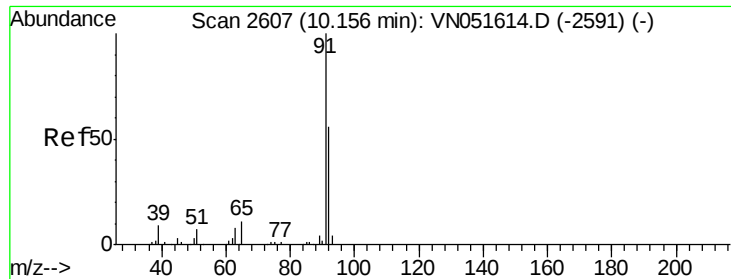
Tot Ion: 95 Resp: 221628
Ion Ratio Lower Upper
95 100
174 87.6 71.2 106.8
176 85.8 67.8 101.8



#61
Tetrachloroethene
Concen: 19.251 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion: 164 Resp: 132554
Ion Ratio Lower Upper
164 100
166 132.6 103.1 154.7
129 94.3 75.3 112.9
131 89.4 70.8 106.2





#62

Toluene

Concen: 19.531 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

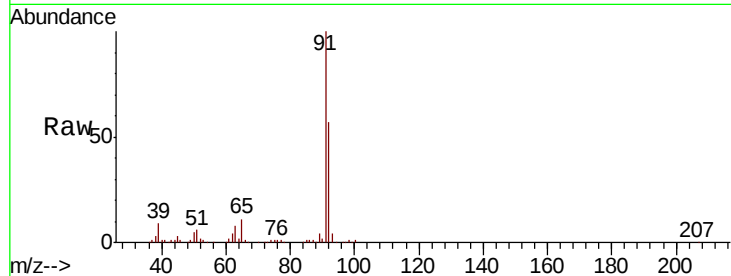
VN1001WBSD01

Tot Ion: 91 Resp: 582456

Ion Ratio Lower Upper

91 100

92 57.1 45.3 67.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

10.16

300000

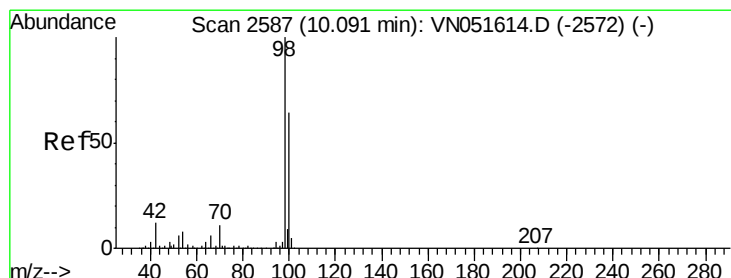
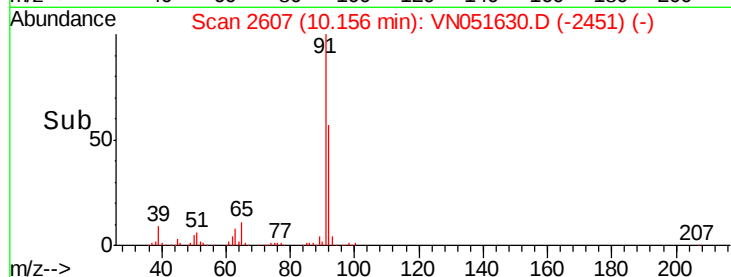
200000

100000

0

Time-->

10.10 10.20



#63

Toluene-d8

Concen: 19.531 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051630.D

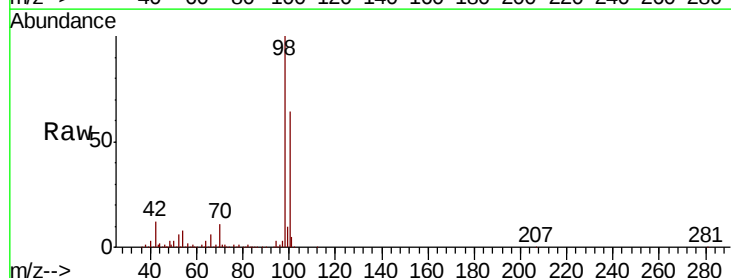
Acq: 1 Oct 2018 12:01

Tgt Ion: 98 Resp: 709448

Ion Ratio Lower Upper

98 100

100 63.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.09

400000

300000

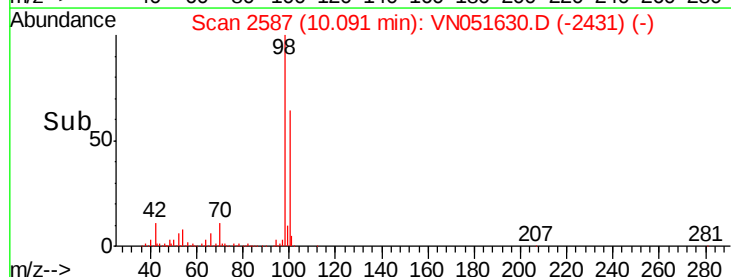
200000

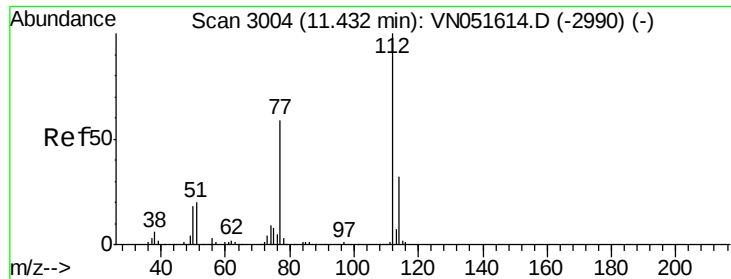
100000

0

Time-->

10.00 10.10 10.20

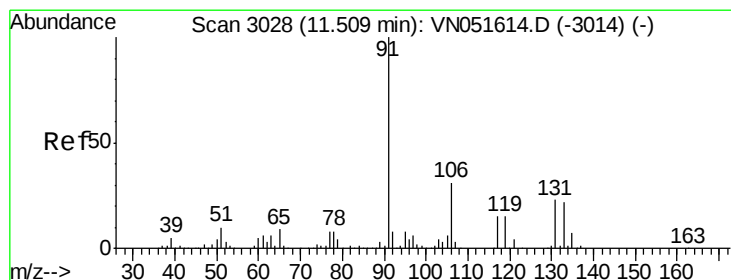
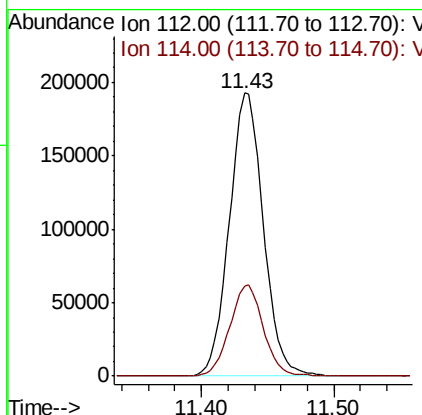
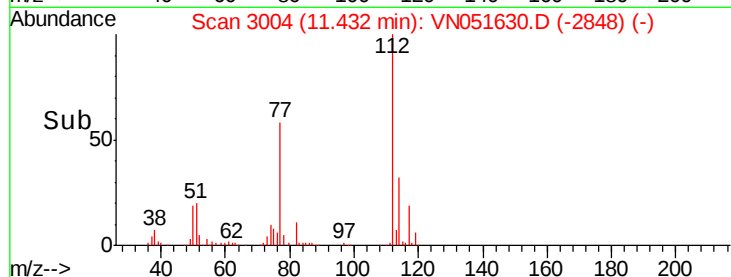
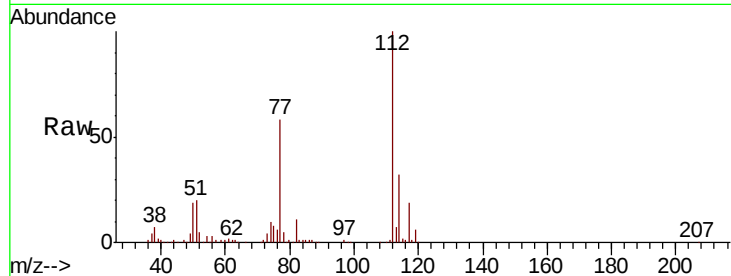




#64
Chlorobenzene
Concen: 19.043 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

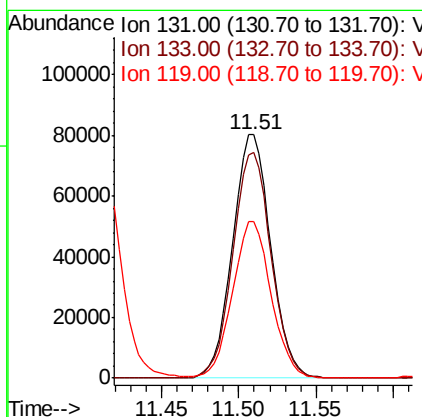
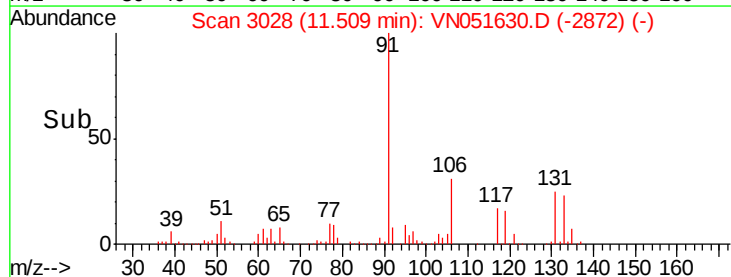
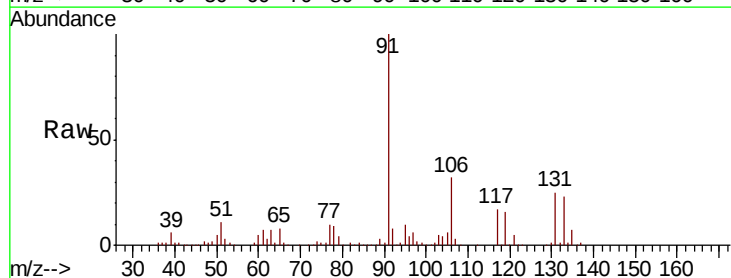
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

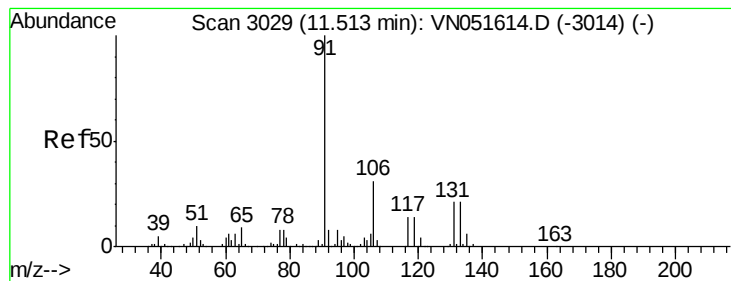
Tot Ion:112 Resp: 343367
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#65
1,1,1,2-Tetrachloroethane
Concen: 20.009 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion:131 Resp: 137761
Ion Ratio Lower Upper
131 100
133 93.0 0.0 193.0
119 64.9 0.0 135.0





#66

Ethyl Benzene

Concen: 18.339 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleID :

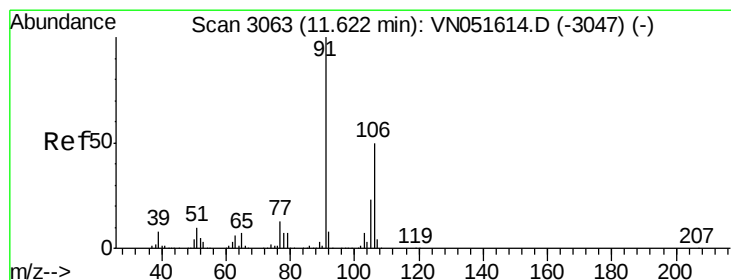
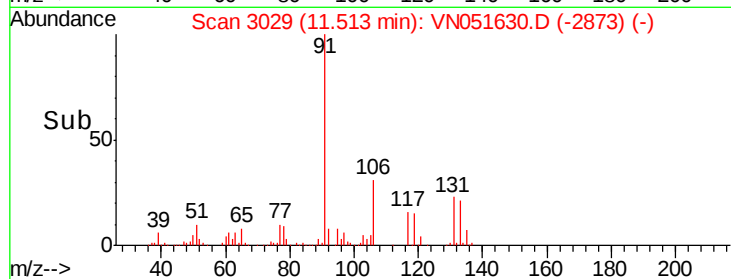
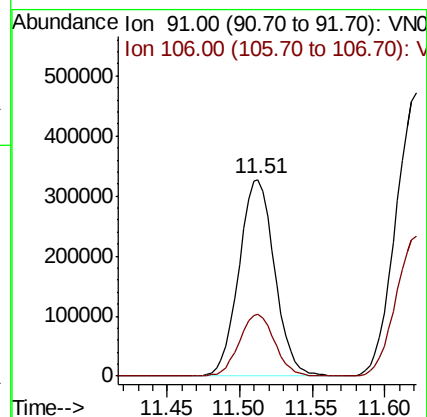
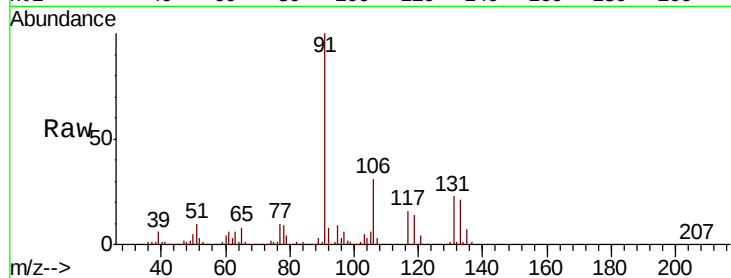
VN1001WBSD01

Tot Ion: 91 Resp: 559740

Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.4



#67

m/p-Xylenes

Concen: 38.132 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051630.D

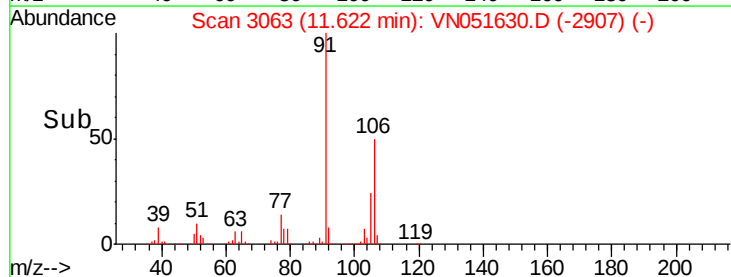
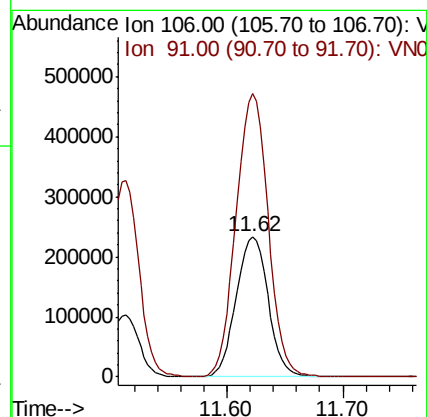
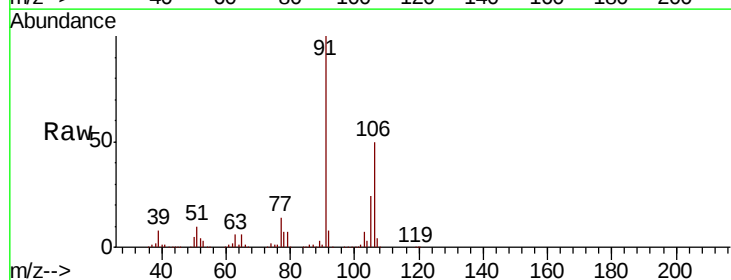
Acq: 1 Oct 2018 12:01

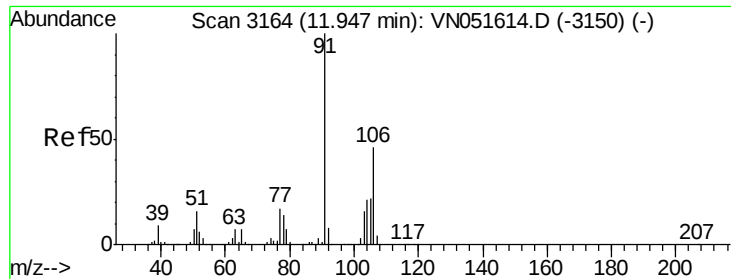
Tgt Ion: 106 Resp: 448547

Ion Ratio Lower Upper

106 100

91 202.1 161.5 242.3

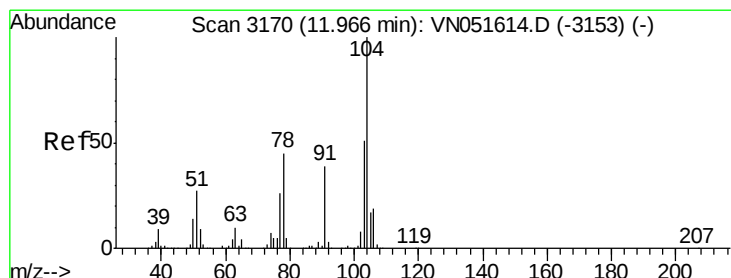
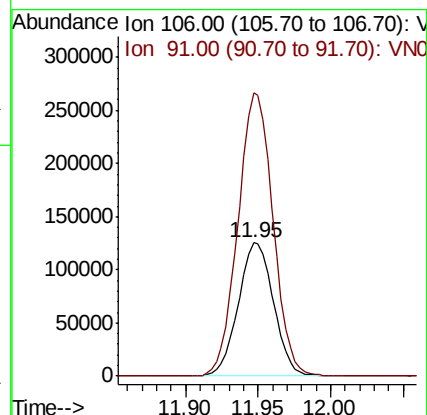
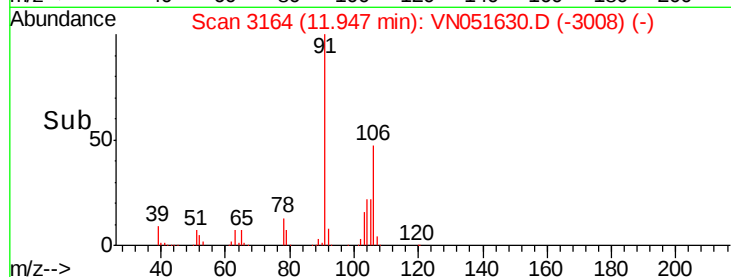
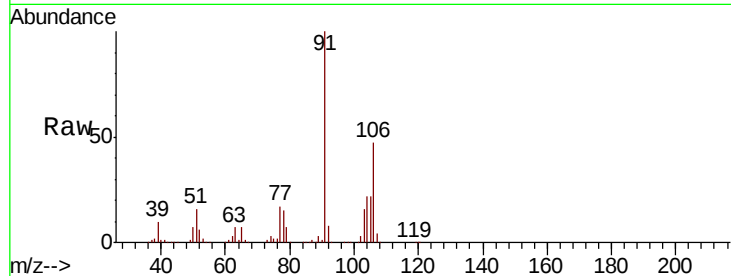




#68
o-Xylene
Concen: 18.902 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

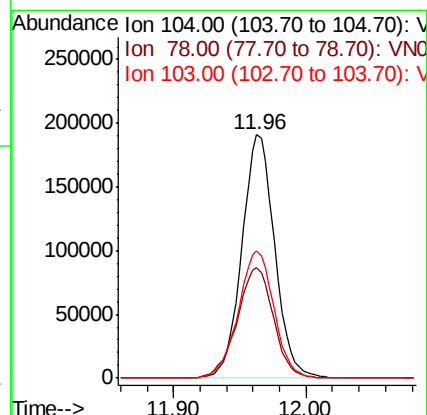
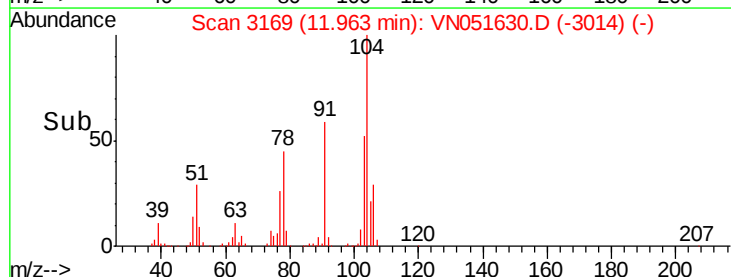
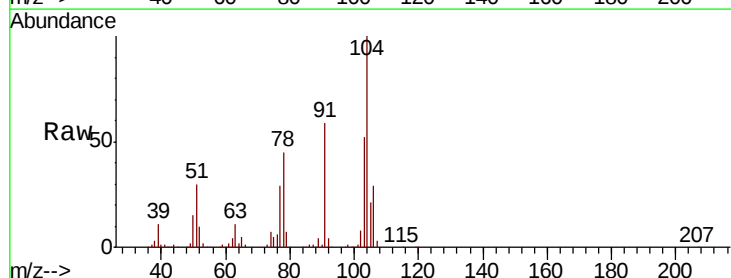
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

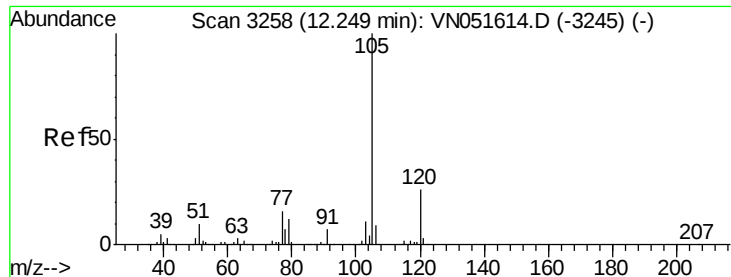
Tot Ion:106 Resp: 212250
Ion Ratio Lower Upper
106 100
91 211.0 109.7 329.1



#69
Styrene
Concen: 18.600 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion:104 Resp: 327818
Ion Ratio Lower Upper
104 100
78 50.3 40.3 60.5
103 56.9 45.7 68.5





#70

Isopropylbenzene

Concen: 18.829 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

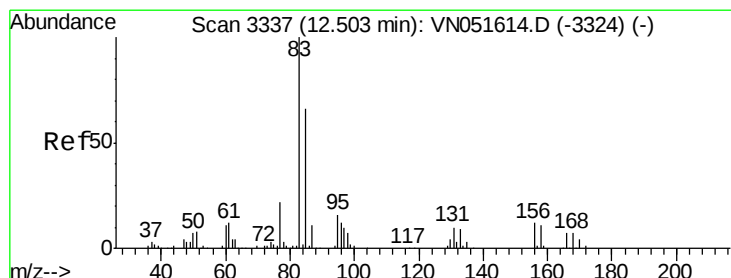
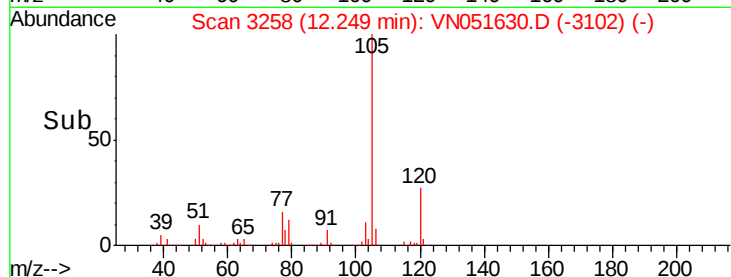
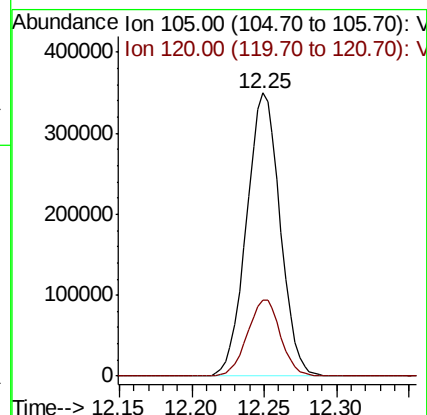
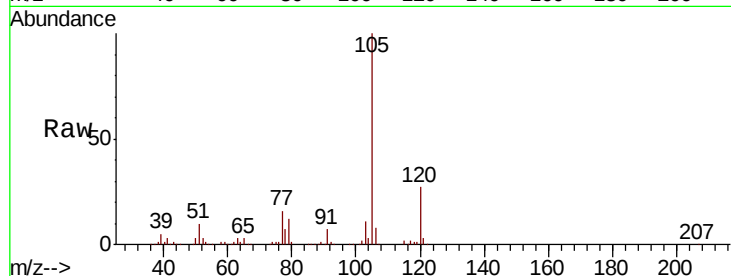
VN1001WBSD01

Tot Ion:105 Resp: 563980

Ion Ratio Lower Upper

105 100

120 26.7 18.7 34.7



#71

1,1,2,2-Tetrachloroethane

Concen: 20.058 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

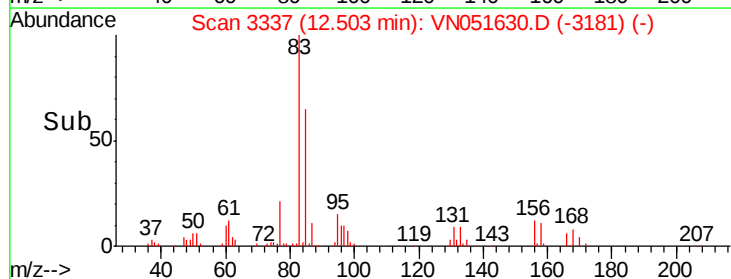
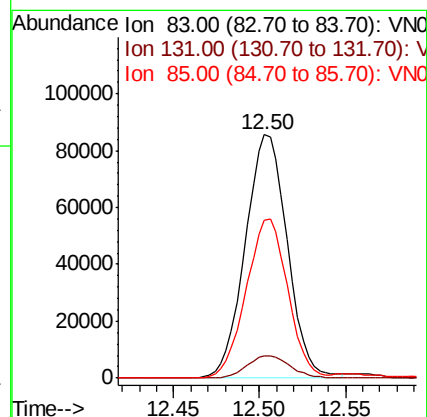
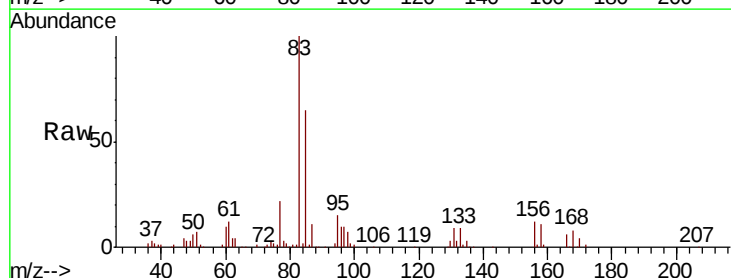
Tgt Ion: 83 Resp: 145352

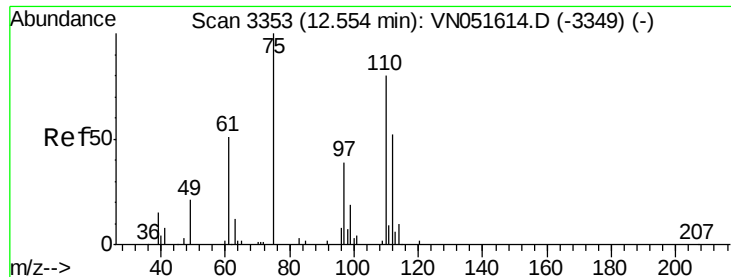
Ion Ratio Lower Upper

83 100

131 9.5 5.2 15.6

85 64.7 32.0 96.2





#72

1,2,3-Trichloropropane

Concen: 27.442 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

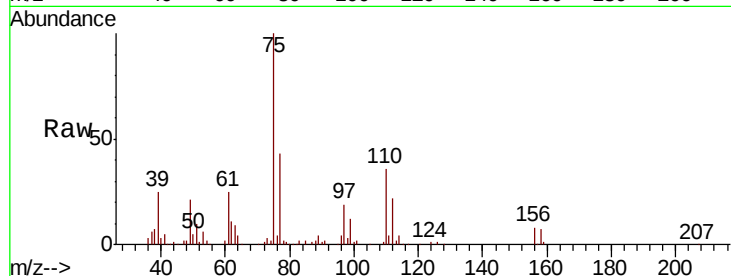
VN1001WBSD01

Tot Ion: 75 Resp: 170024

Ion Ratio Lower Upper

75 100

77 156.6 0.0 492.2



Abundance Ion 75.00 (74.70 to 75.70): VN051614.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN051614.D (-3349) (-)

150000

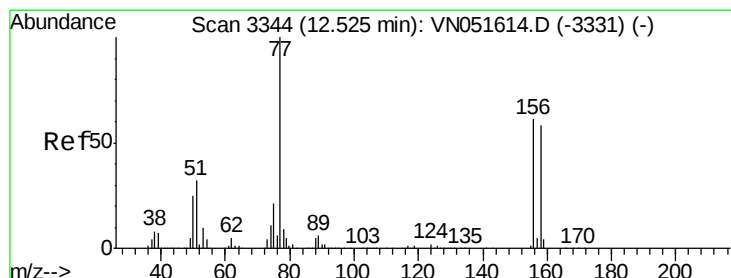
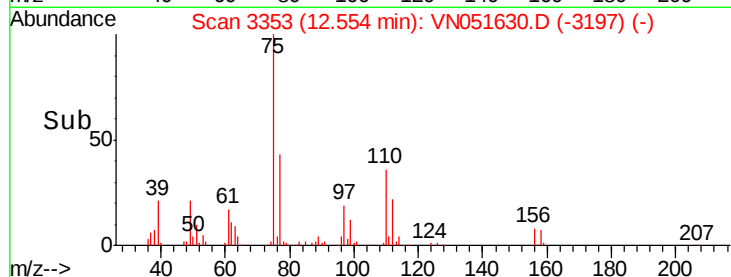
100000

50000

0

12.50 12.55 12.60

Time-->



#73

Bromobenzene

Concen: 19.008 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

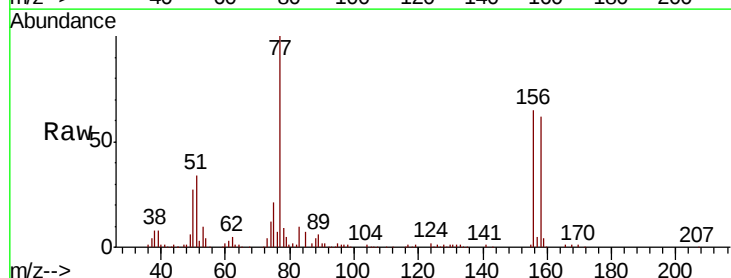
Tgt Ion: 156 Resp: 141685

Ion Ratio Lower Upper

156 100

77 188.0 0.0 385.2

158 97.1 0.0 195.6



Abundance Ion 156.00 (155.70 to 156.70): VN051614.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN051614.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN051614.D (-3331) (-)

150000

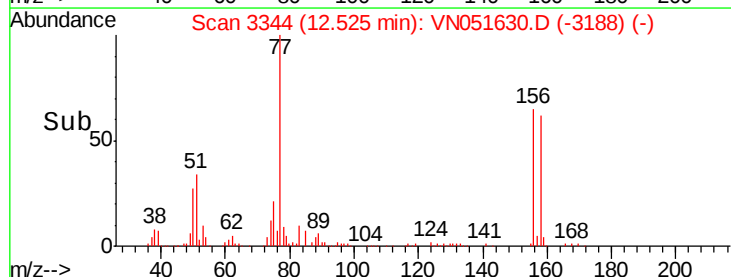
100000

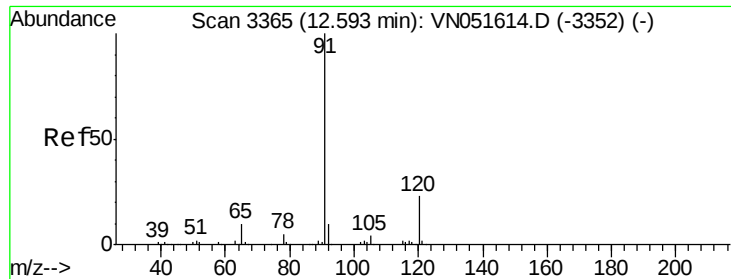
50000

0

12.45 12.50 12.55 12.60

Time-->





#74

n-propylbenzene

Concen: 18.401 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

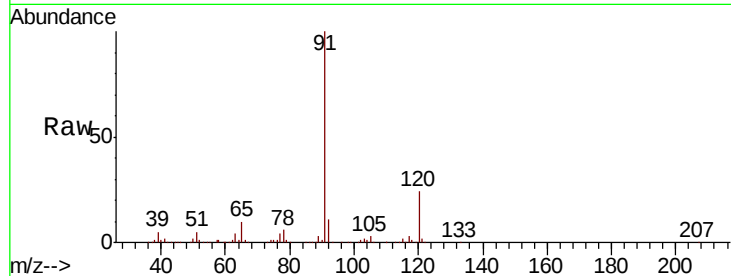
VN1001WBSD01

Tot Ion: 91 Resp: 641621

Ion Ratio Lower Upper

91 100

120 22.9 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VN051614.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN051614.D (-3352) (-)

12.59

400000

300000

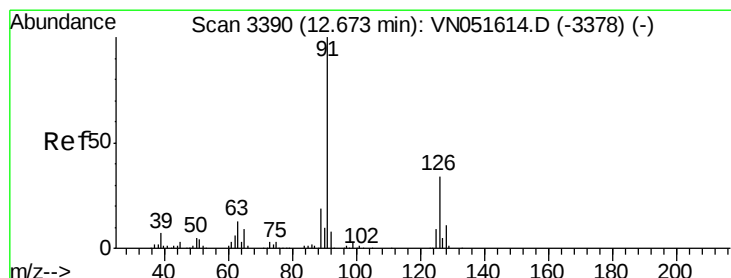
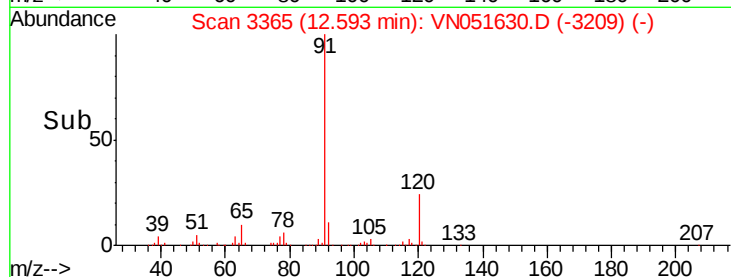
200000

100000

0

Time-->

12.55 12.60 12.65



#75

2-Chlorotoluene

Concen: 19.072 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051630.D

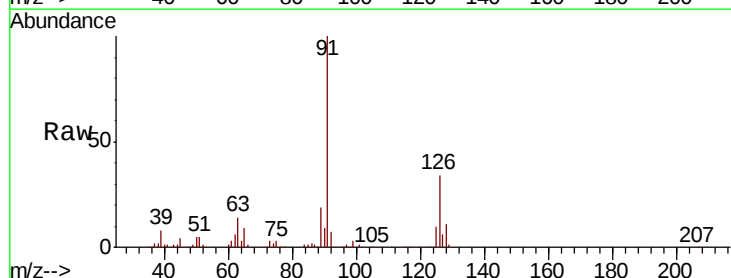
Acq: 1 Oct 2018 12:01

Tgt Ion: 91 Resp: 397106

Ion Ratio Lower Upper

91 100

126 34.6 0.0 69.2



Abundance Ion 91.00 (90.70 to 91.70): VN051614.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051614.D (-3378) (-)

12.67

300000

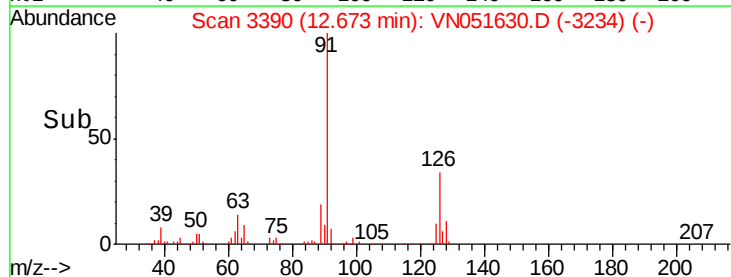
200000

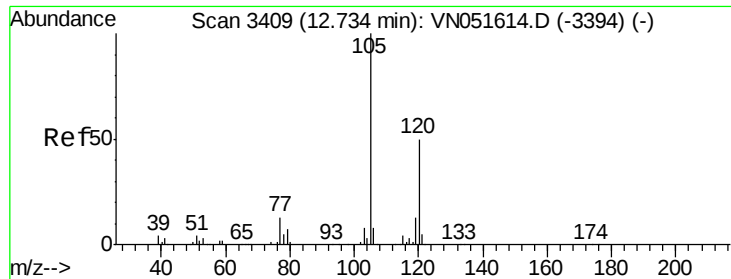
100000

0

Time-->

12.60 12.65 12.70

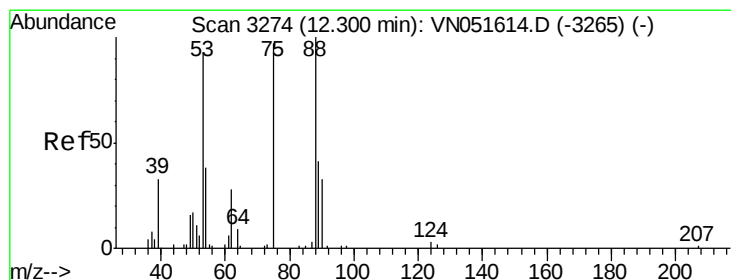
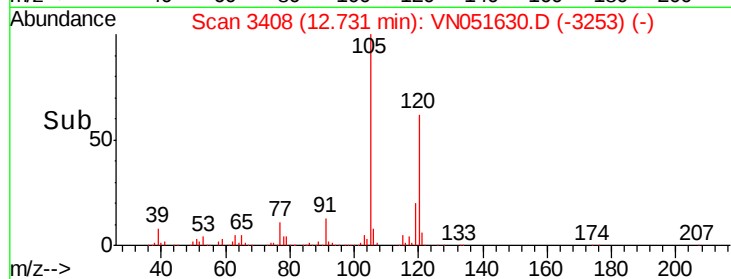
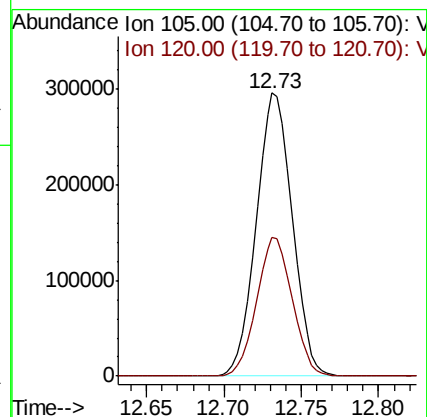
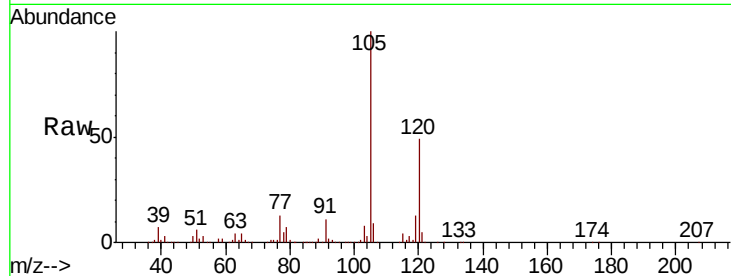




#76
 1,3,5-Trimethylbenzene
 Concen: 19.136 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

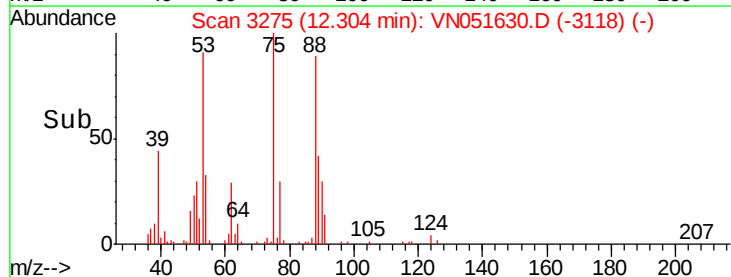
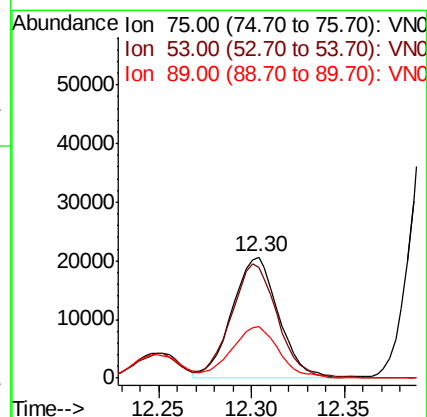
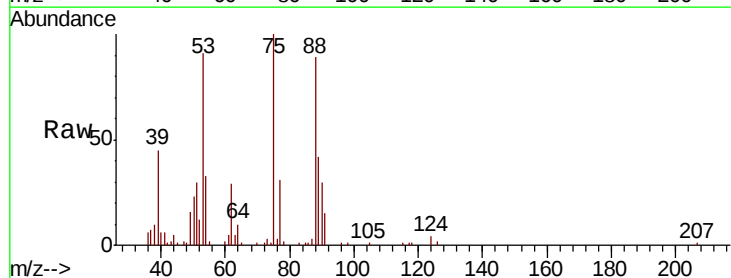
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

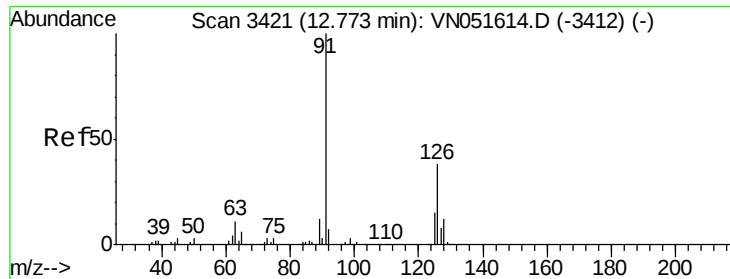
Tot Ion:105 Resp: 478938
 Ion Ratio Lower Upper
 105 100
 120 48.6 0.0 99.8



#77
 t-1,4-Dichloro-2-butene
 Concen: 18.396 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion: 75 Resp: 36097
 Ion Ratio Lower Upper
 75 100
 53 90.8 48.1 144.4
 89 42.6 22.4 67.3





#78

4-Chlorotoluene

Concen: 18.446 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

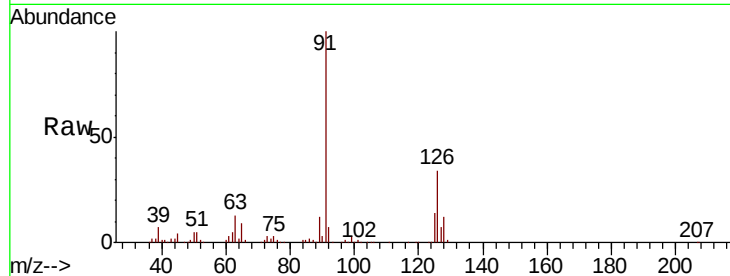
VN1001WBSD01

Tot Ion: 91 Resp: 379400

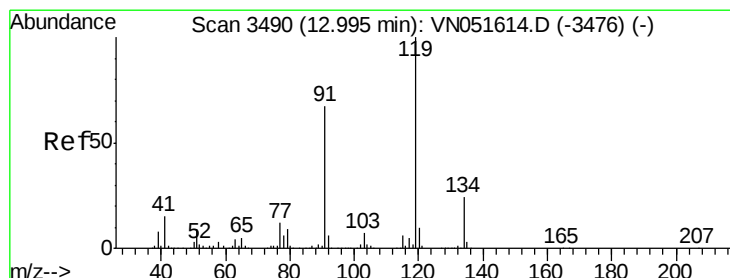
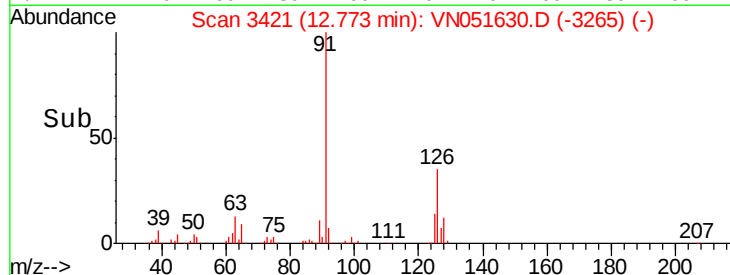
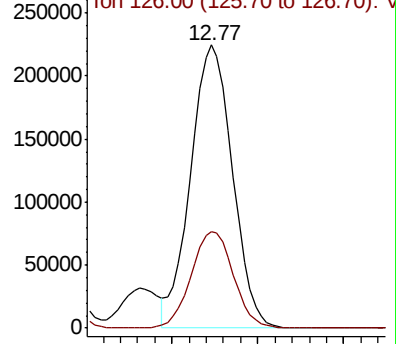
Ion Ratio Lower Upper

91 100

126 34.5 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN051614.D (-3412) (-)



#79

tert-butylbenzene

Concen: 18.904 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

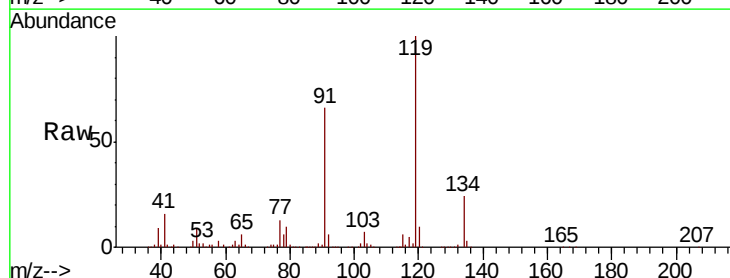
Tgt Ion: 119 Resp: 409904

Ion Ratio Lower Upper

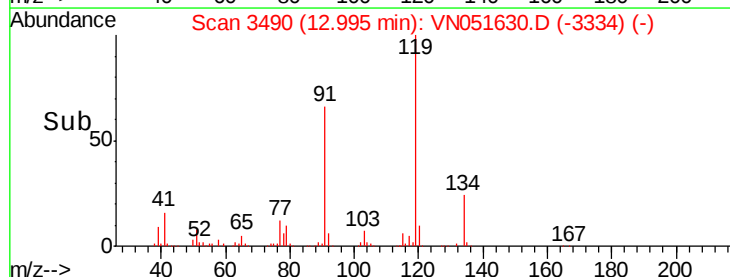
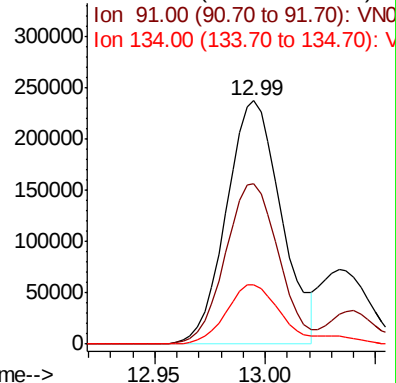
119 100

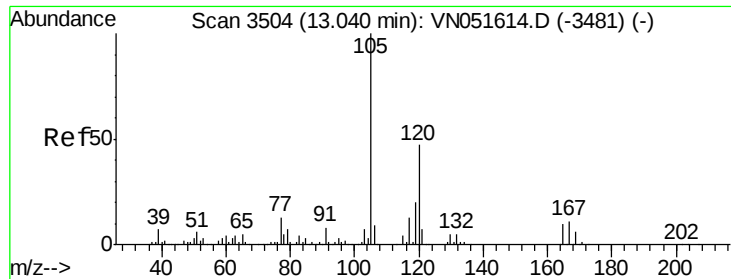
91 63.7 0.0 132.4

134 24.2 0.0 48.4



Abundance Ion 119.00 (118.70 to 119.70): VN051614.D (-3476) (-)

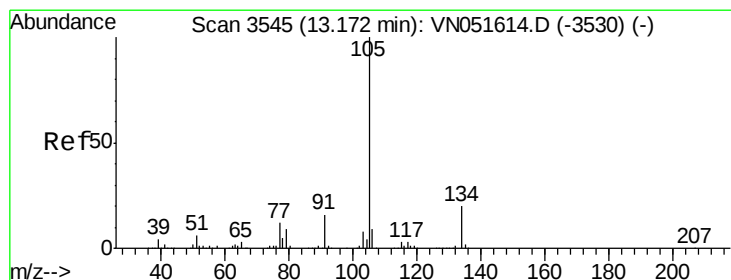
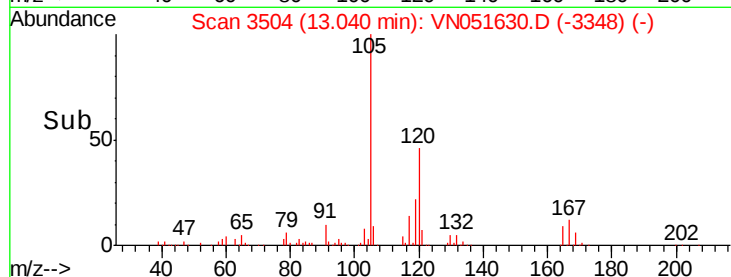
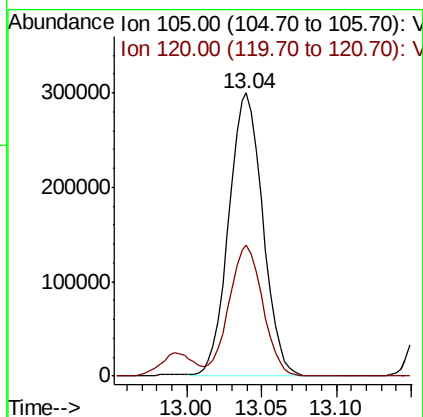
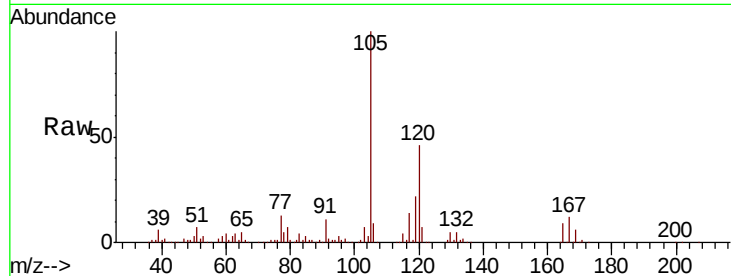




#80
 1,2,4-Trimethylbenzene
 Concen: 18.985 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

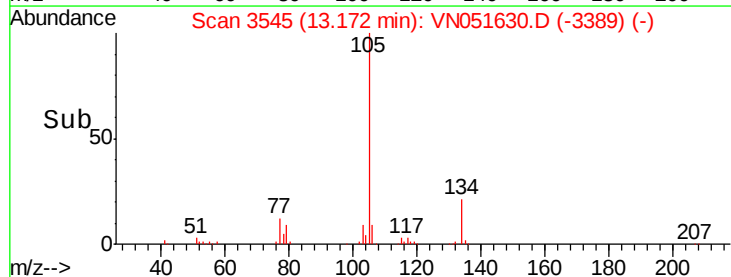
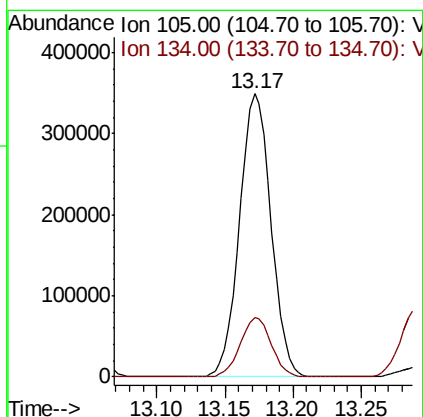
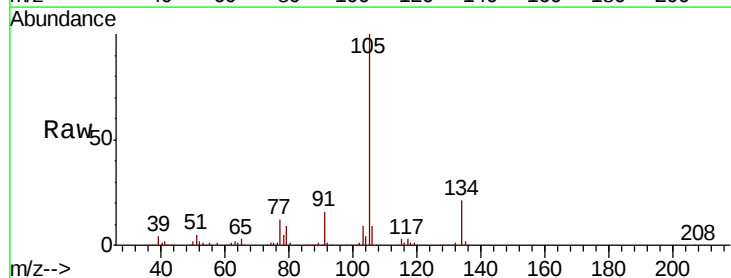
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

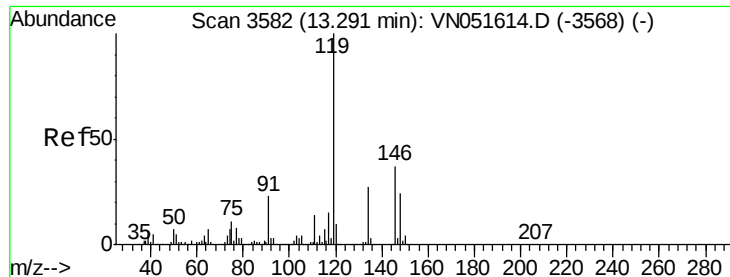
Tot Ion:105 Resp: 474600
 Ion Ratio Lower Upper
 105 100
 120 46.0 0.0 91.6



#81
 sec-Butylbenzene
 Concen: 18.631 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Tgt Ion:105 Resp: 558036
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 39.8

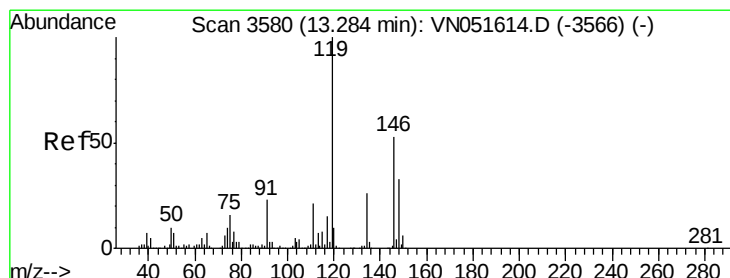
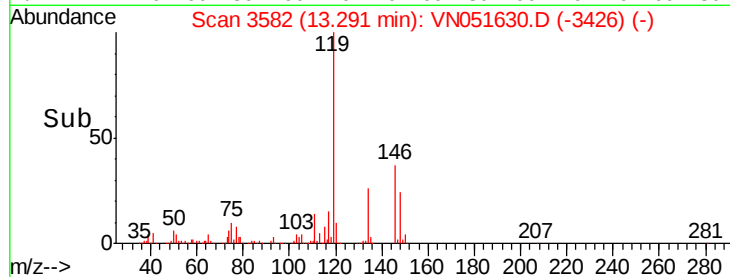
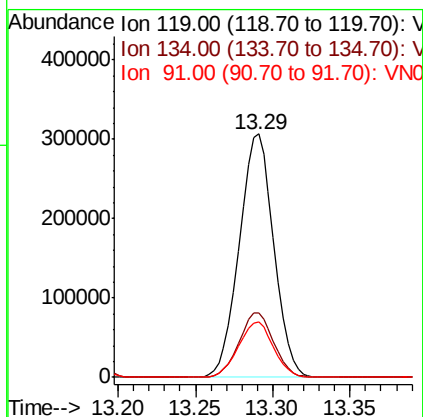
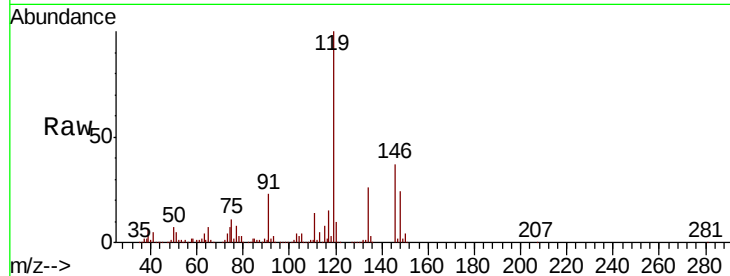




#82
p-Isopropyltoluene
Concen: 18.535 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

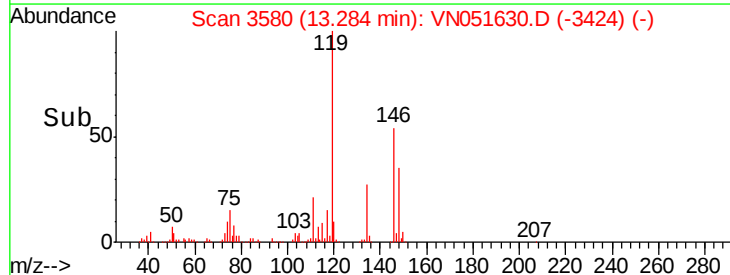
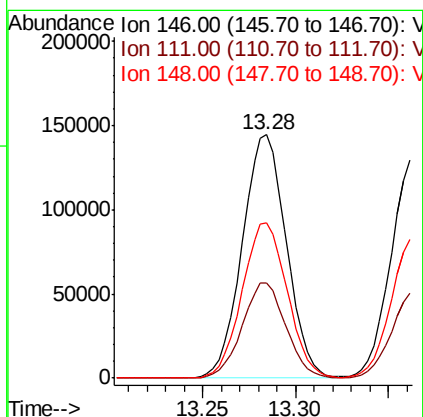
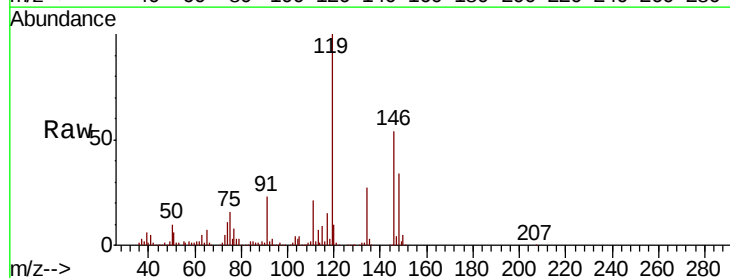
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

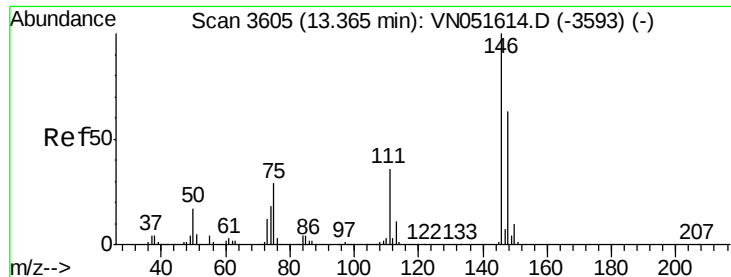
Tot Ion:119 Resp: 474487
Ion Ratio Lower Upper
119 100
134 26.6 0.0 52.0
91 23.2 0.0 46.0



#83
1,3-Dichlorobenzene
Concen: 18.386 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion:146 Resp: 238808
Ion Ratio Lower Upper
146 100
111 38.7 19.9 59.6
148 65.3 32.4 97.2





#84

1,4-Dichlorobenzene

Concen: 18.207 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VN1001WBSD01

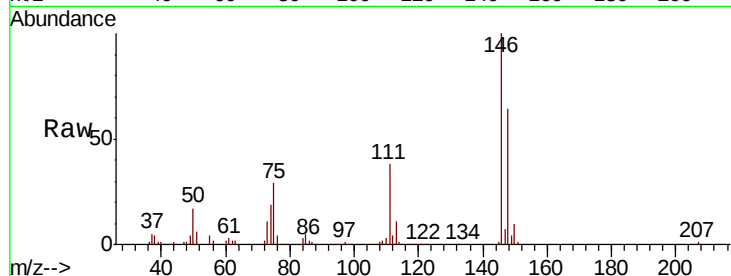
Tot Ion:146 Resp: 222291

Ion Ratio Lower Upper

146 100

111 37.2 18.6 55.8

148 63.9 32.1 96.5

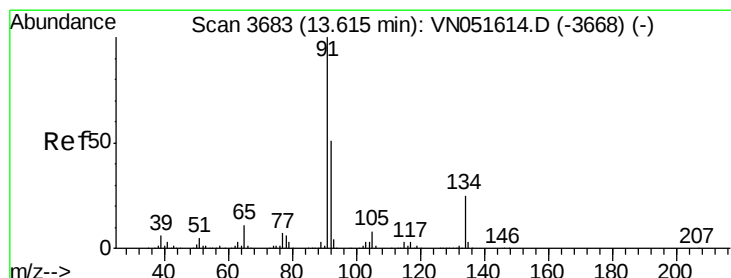
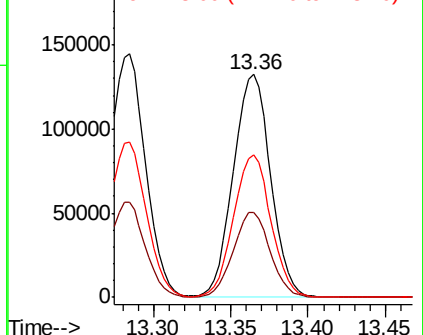
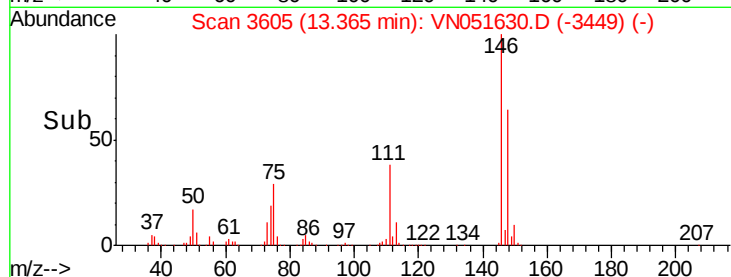


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 16.845 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

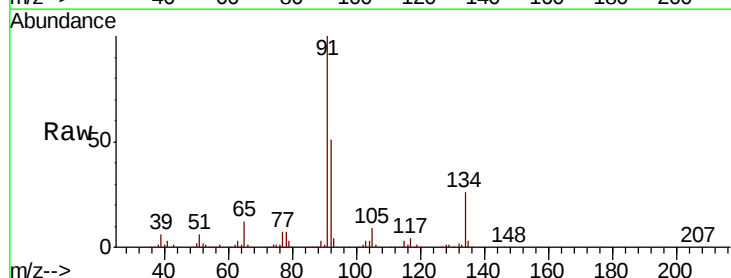
Tgt Ion: 91 Resp: 353953

Ion Ratio Lower Upper

91 100

92 50.8 0.0 101.6

134 25.6 0.0 50.6

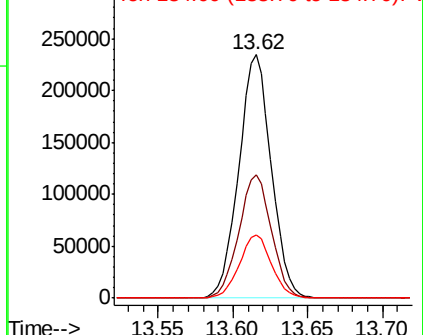
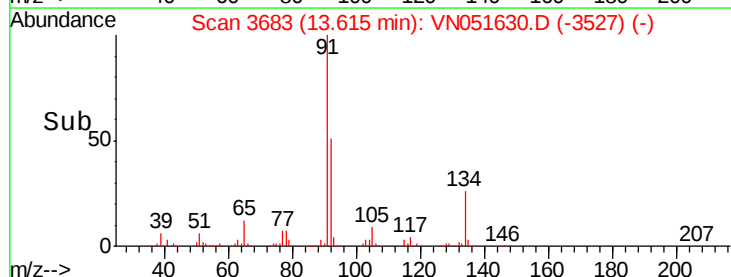


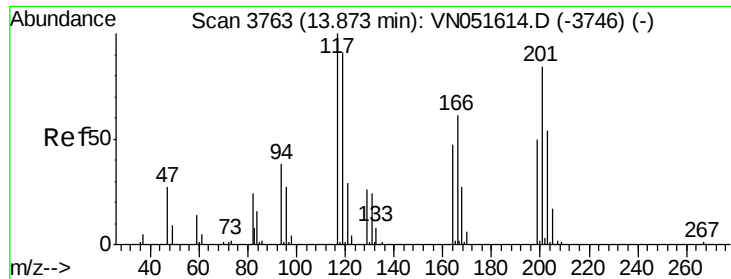
Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

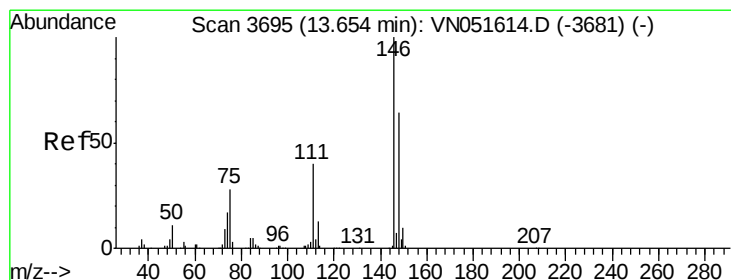
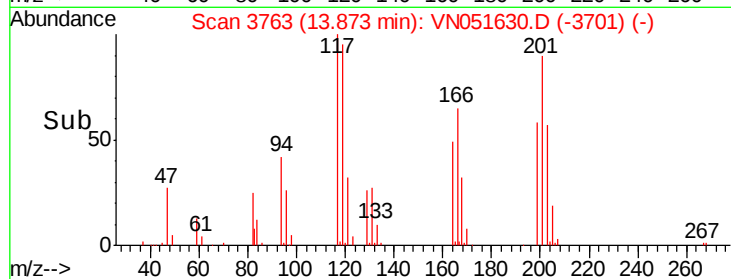
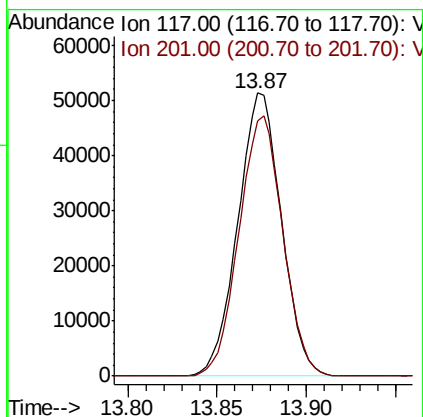
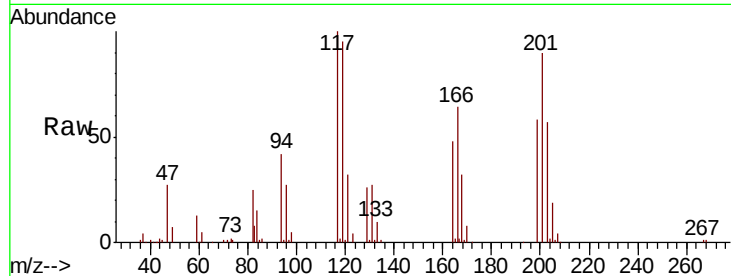




#86
Hexachloroethane
Concen: 17.166 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

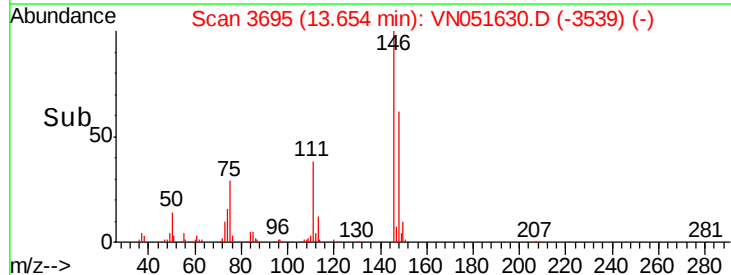
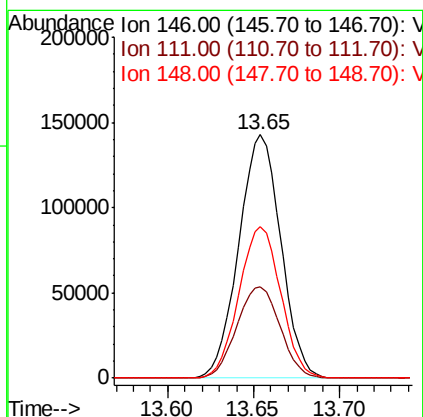
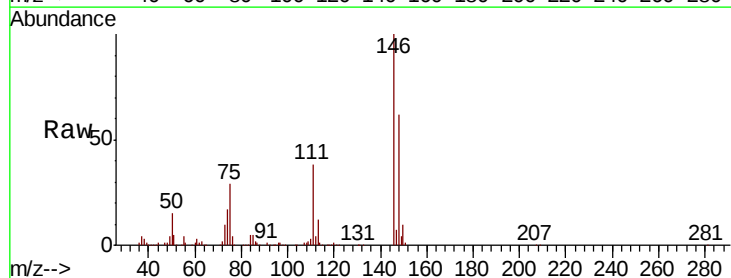
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

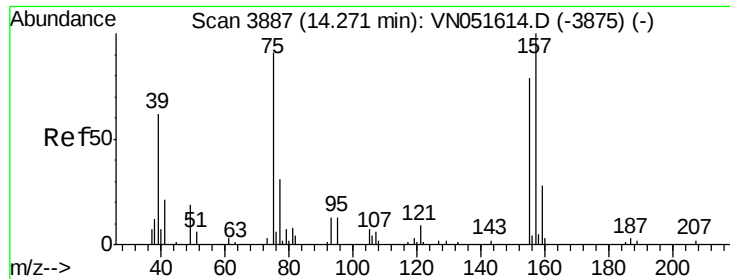
Tot Ion:117 Resp: 87893
Ion Ratio Lower Upper
117 100
201 92.1 42.9 128.5



#87
1,2-Dichlorobenzene
Concen: 19.071 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN051630.D
Acq: 1 Oct 2018 12:01

Tgt Ion:146 Resp: 242310
Ion Ratio Lower Upper
146 100
111 38.6 20.1 60.3
148 62.0 32.1 96.5





#88

1,2-Dibromo-3-Chloropropane

Concen: 19.121 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

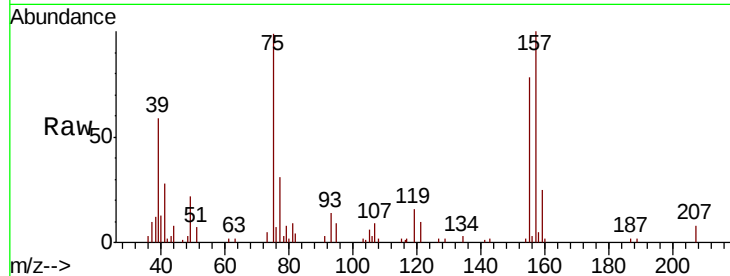
Tot Ion: 75 Resp: 20196

Ion Ratio Lower Upper

75 100

155 82.6 67.1 100.7

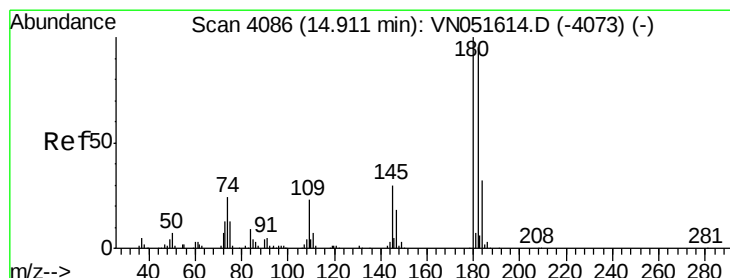
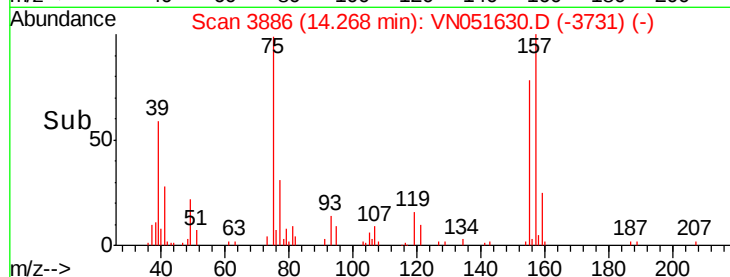
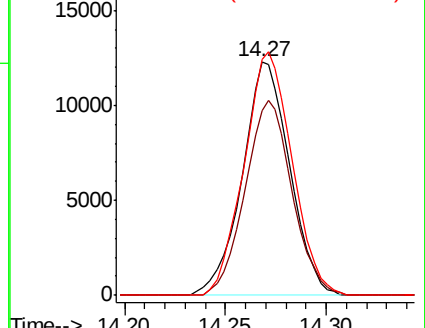
157 105.7 85.8 128.6



Abundance Ion 75.00 (74.70 to 75.70): VN051614.D (-3875) (-)

Ion 155.00 (154.70 to 155.70): VN051614.D (-3875) (-)

Ion 157.00 (156.70 to 157.70): VN051614.D (-3875) (-)



#89

1,2,4-Trichlorobenzene

Concen: 14.916 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

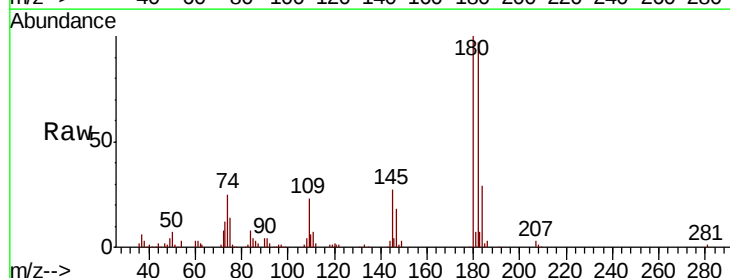
Tgt Ion:180 Resp: 88707

Ion Ratio Lower Upper

180 100

182 96.8 75.2 112.8

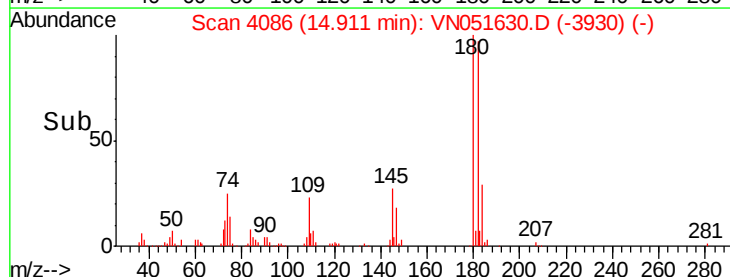
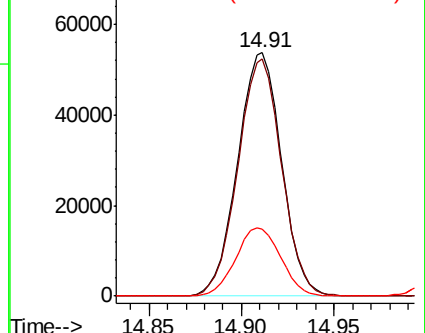
145 28.8 22.9 34.3

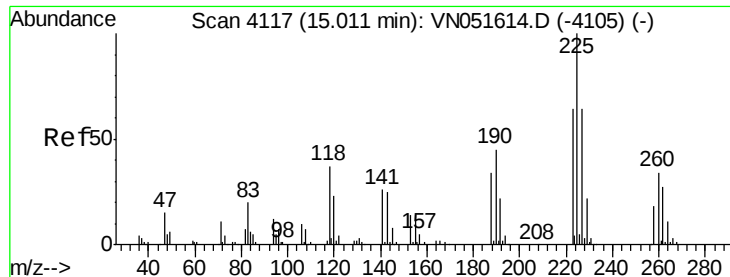


Abundance Ion 180.00 (179.70 to 180.70): VN051614.D (-4073) (-)

Ion 182.00 (181.70 to 182.70): VN051614.D (-4073) (-)

Ion 145.00 (144.70 to 145.70): VN051614.D (-4073) (-)





#90

Hexachlorobutadiene

Concen: 18.311 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

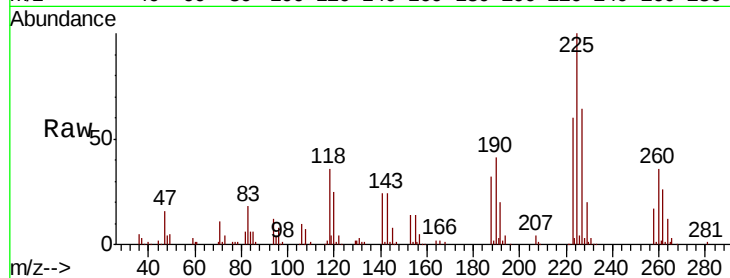
Tot Ion:225 Resp: 88777

Ion Ratio Lower Upper

225 100

223 60.0 0.0 131.0

227 65.3 0.0 129.0

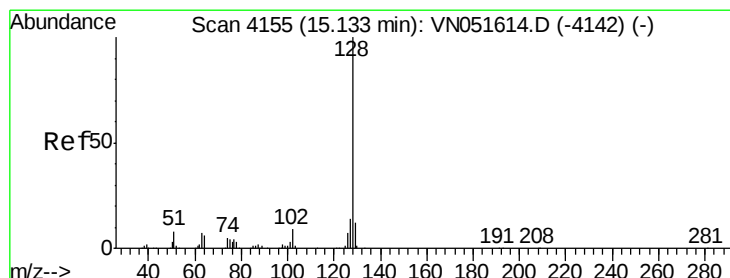
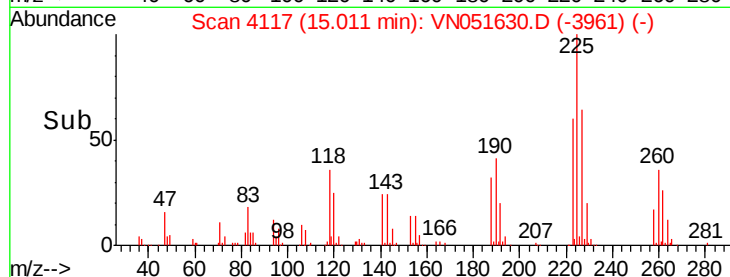
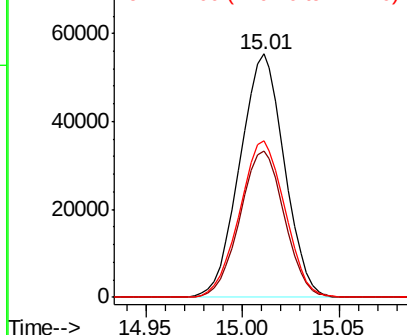


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 16.973 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051630.D

Acq: 1 Oct 2018 12:01

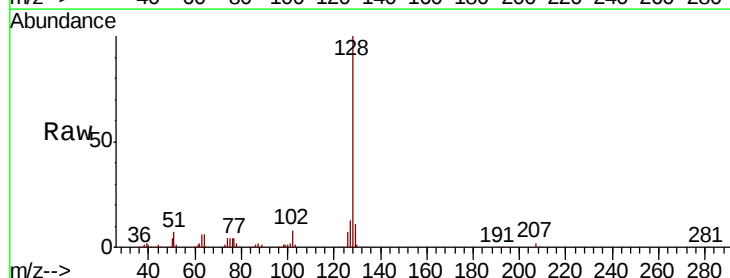
Tgt Ion:128 Resp: 152041

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

129 10.9 9.1 13.7

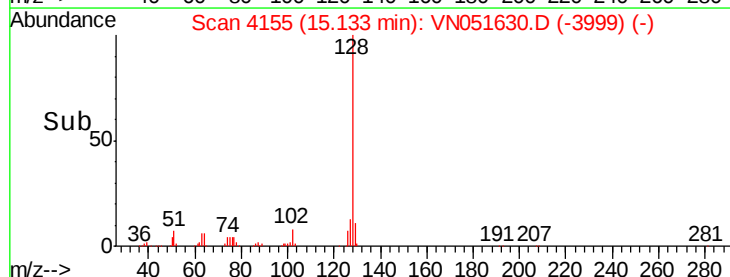
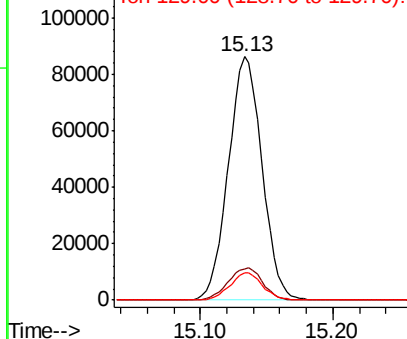


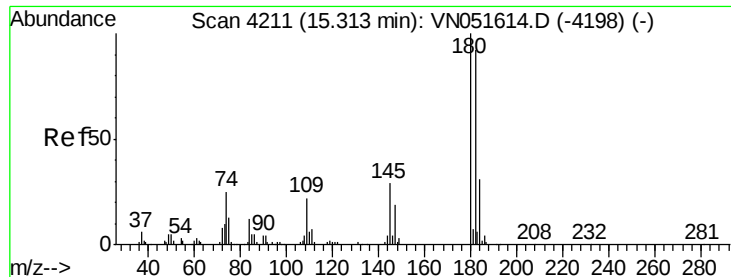
Abundance

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: 16.268 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051630.D
 Acq: 1 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	92.3	0.0	191.8	
145	29.3	0.0	60.4	

