

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
 Data File : VN053835.D
 Acq On : 18 Feb 2019 11:37
 Operator : JC/SP
 Sample : VN0218WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBSD01

Quant Time: Feb 19 02:59:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	576867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	922658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	789067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	366397	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	299826	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.59	113	288045	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.09	98	1045186	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	12.40	95	343068	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	111434	17.357	ug/l	99
3) Chloromethane	2.06	50	121179	17.694	ug/l	99
4) Vinyl Chloride	2.19	62	131373	19.761	ug/l	99
5) Bromomethane	2.58	94	93690	21.553	ug/l	97
6) Chloroethane	2.71	64	85120	22.405	ug/l	97
7) Trichlorofluoromethane	3.02	101	183610	20.366	ug/l	98
8) Diethyl Ether	3.42	74	63111	19.168	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	108570	19.472	ug/l	98
10) Methyl Iodide	3.96	142	153912	17.587	ug/l	100
11) Tert butyl alcohol	4.78	59	37530	109.579	ug/l	95
12) 1,1-Dichloroethene	3.74	96	99308	18.590	ug/l	97
13) Acrolein	3.61	56	14667	78.655	ug/l	95
14) Allyl chloride	4.33	41	157652	18.535	ug/l	98
15) Acrylonitrile	4.99	53	193722	104.774	ug/l	100
16) Acetone	3.81	43	147193	99.160	ug/l	96
17) Carbon Disulfide	4.06	76	261551	15.724	ug/l	99
18) Methyl Acetate	4.33	43	104120	23.685	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	274319	20.257	ug/l	98
20) Methylene Chloride	4.55	84	118072	18.959	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	104750	18.176	ug/l	98
22) Diisopropyl ether	5.95	45	310503	19.702	ug/l	97
23) Vinyl Acetate	5.90	43	1027027	94.201	ug/l	99
24) 1,1-Dichloroethane	5.85	63	202843	19.297	ug/l	99
25) 2-Butanone	6.84	43	209999	99.193	ug/l	98
26) 2,2-Dichloropropane	6.83	77	152713	19.031	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	123124	19.213	ug/l	99
28) Bromochloromethane	7.20	49	94049	20.617	ug/l	95
29) Tetrahydrofuran	7.21	42	139915	102.921	ug/l	97
30) Chloroform	7.37	83	205736	19.744	ug/l	99
31) Cyclohexane	7.65	56	174620	17.733	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	168983	19.486	ug/l	99
36) 1,1-Dichloropropene	7.79	75	145283	17.468	ug/l	98
37) Ethyl Acetate	6.93	43	90405	19.462	ug/l	97
38) Carbon Tetrachloride	7.78	117	152092	18.152	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	167904	17.016	ug/l	98
40) Benzene	8.04	78	460126	17.940	ug/l	99
41) Methacrylonitrile	7.18	41	51599	19.875	ug/l	90
42) 1,2-Dichloroethane	8.12	62	139219	18.281	ug/l	99
43) Isopropyl Acetate	8.17	43	169088	18.849	ug/l #	87
44) Trichloroethene	8.84	130	131529	18.013	ug/l	96
45) 1,2-Dichloropropane	9.12	63	122730	18.709	ug/l	98
46) Dibromomethane	9.21	93	73257	18.525	ug/l	96
47) Bromodichloromethane	9.40	83	156838	19.075	ug/l	99
48) Methyl methacrylate	9.20	41	77555	18.111	ug/l	96
49) 1,4-Dioxane	9.20	88	23130	397.296	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	433791	98.403	ug/l	99
52) Toluene	10.16	92	275930	18.127	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	151623	18.416	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	177270	18.170	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	106628	19.440	ug/l	98
56) Ethyl methacrylate	10.43	69	120261	18.533	ug/l	98
57) 1,3-Dichloropropane	10.71	76	174031	18.565	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	271828	73.392	ug/l	99
59) 2-Hexanone	10.75	43	268584	89.748	ug/l	99
60) Dibromochloromethane	10.90	129	120311	19.451	ug/l	98
61) 1,2-Dibromoethane	11.01	107	100909	18.587	ug/l	100
64) Tetrachloroethene	10.63	164	124903	18.466	ug/l	98
65) Chlorobenzene	11.43	112	309321	18.455	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	115514	19.734	ug/l	99
67) Ethyl Benzene	11.51	91	499932	18.158	ug/l	100
68) m/p-Xylenes	11.62	106	392061	37.310	ug/l	99
69) o-Xylene	11.95	106	192984	19.010	ug/l	98
70) Styrene	11.96	104	305527	18.568	ug/l	99
71) Bromoform	12.13	173	83478	20.802	ug/l #	97
73) Isopropylbenzene	12.25	105	507816	19.715	ug/l	100
74) N-amyl acetate	12.07	43	114130	18.427	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	123739	20.073	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	149594	31.787	ug/l #	100
77) Bromobenzene	12.53	156	134387	19.359	ug/l	97
78) n-propylbenzene	12.59	91	566931	19.040	ug/l	100
79) 2-Chlorotoluene	12.67	91	343986	19.472	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	422887	19.799	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	30690	18.337	ug/l	98
82) 4-Chlorotoluene	12.77	91	338313	18.663	ug/l	99
83) tert-Butylbenzene	12.99	119	389343	20.625	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	424573	19.511	ug/l	99
85) sec-Butylbenzene	13.17	105	516711	20.114	ug/l	99
86) p-Isopropyltoluene	13.29	119	440093	19.588	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	231988	18.590	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	226850	18.377	ug/l	99
89) n-Butylbenzene	13.62	91	350146	18.006	ug/l	99
90) Hexachloroethane	13.87	117	79521	21.458	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	228522	19.129	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18533	21.096	ug/l	98

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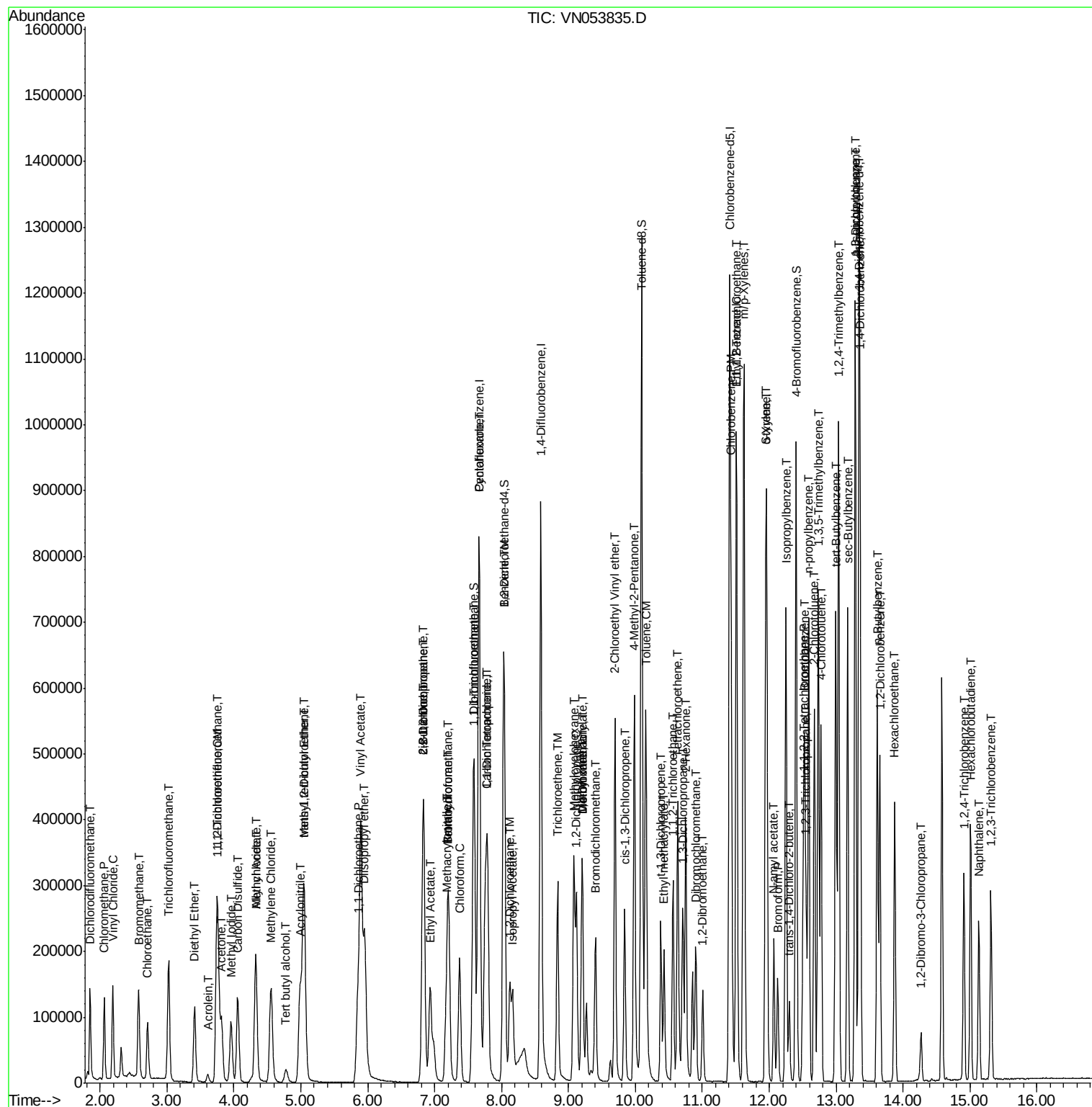
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	111486	16.271	ug/l	99
94) Hexachlorobutadiene	15.01	225	85316	19.994	ug/l	99
95) Naphthalene	15.13	128	218936	14.866	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	112075	17.629	ug/l	99

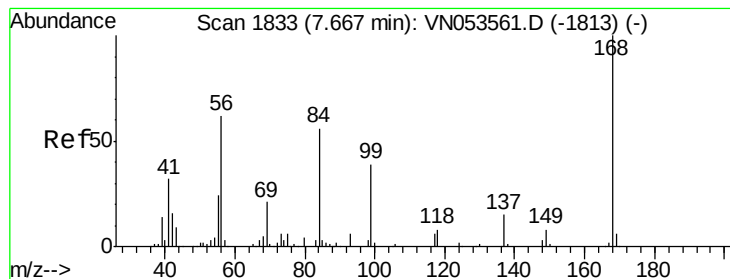
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

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Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

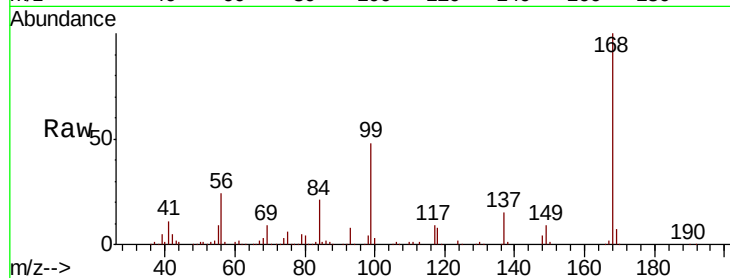
VN0218WBSD01

Tgt Ion:168 Resp: 576867

Ion Ratio Lower Upper

168 100

99 46.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

100000

50000

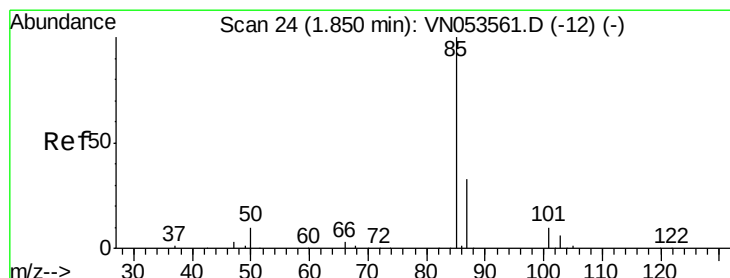
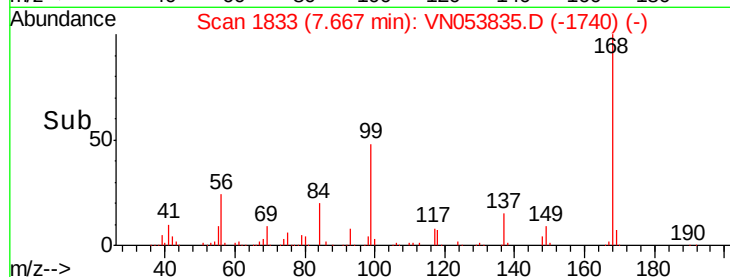
0

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.357 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053835.D

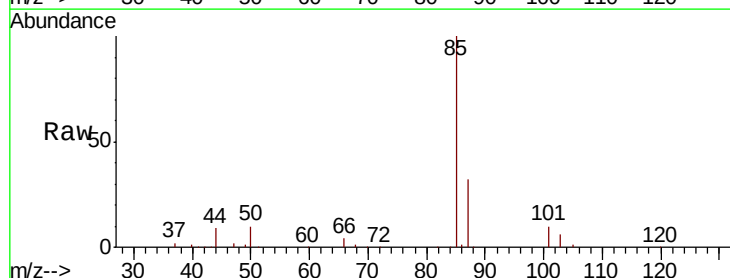
Acq: 18 Feb 2019 11:37

Tgt Ion: 85 Resp: 111434

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

60000

40000

20000

0

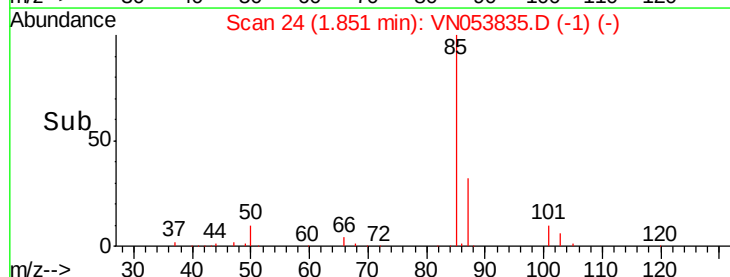
1.80

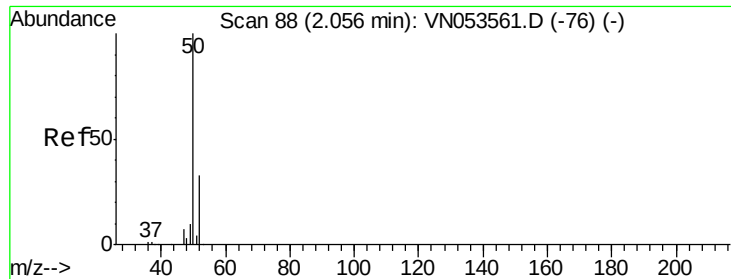
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 17.694 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

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ClientSampleId :

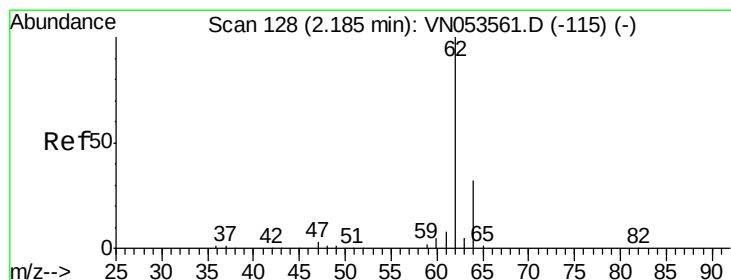
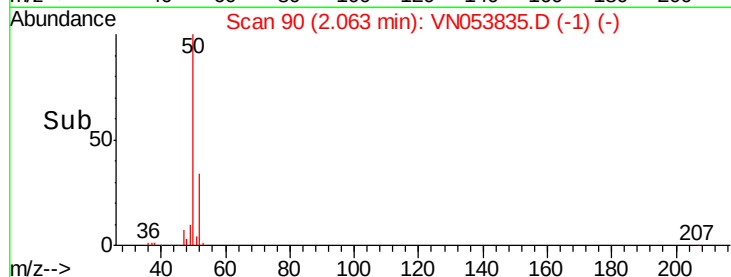
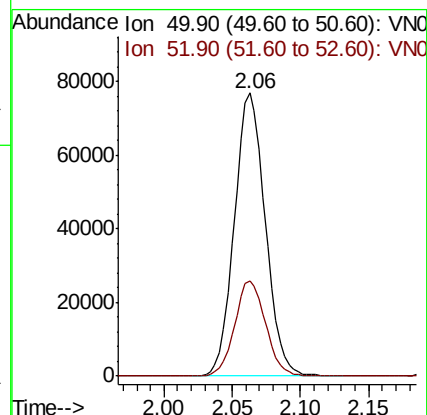
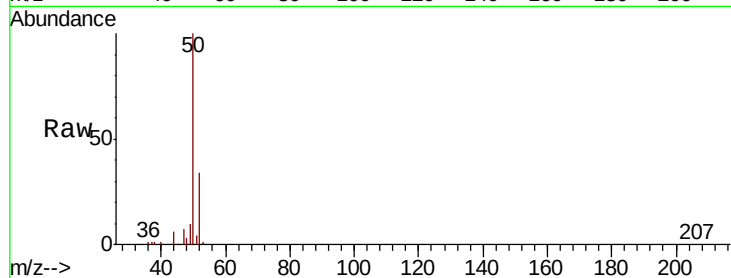
VN0218WBSD01

Tgt Ion: 50 Resp: 121179

Ion Ratio Lower Upper

50 100

52 33.7 26.6 40.0



#4

Vinyl Chloride

Concen: 19.761 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN053835.D

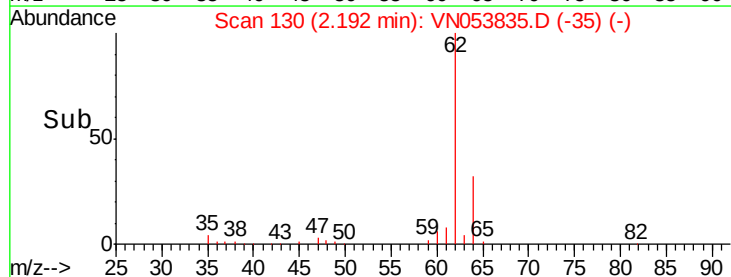
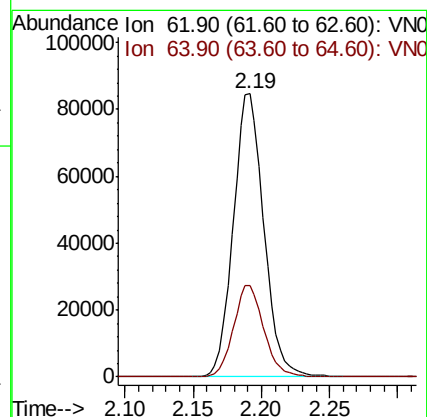
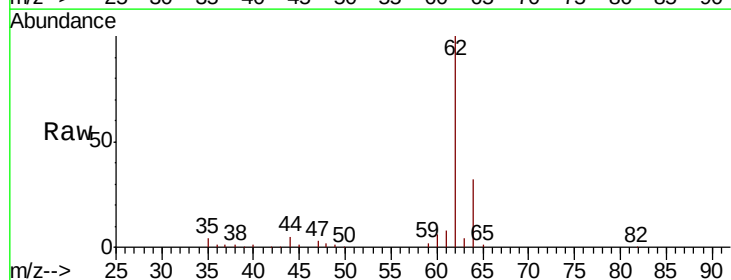
Acq: 18 Feb 2019 11:37

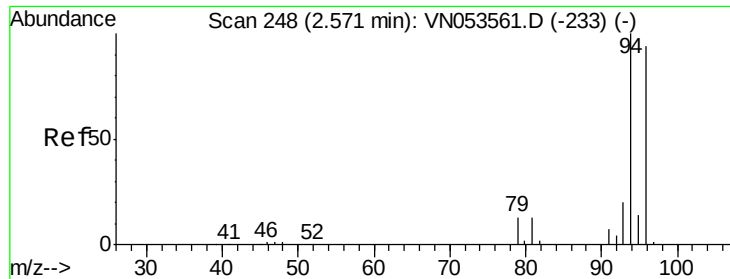
Tgt Ion: 62 Resp: 131373

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2

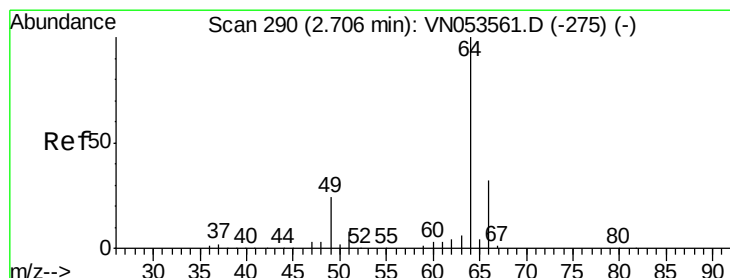
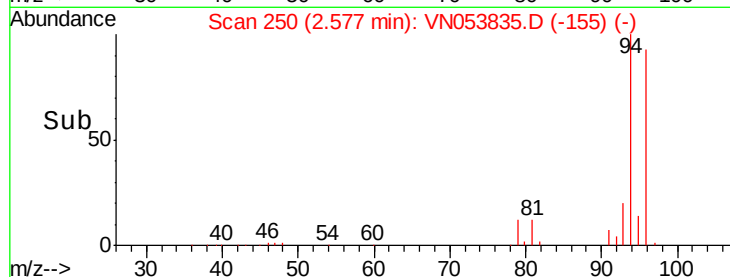
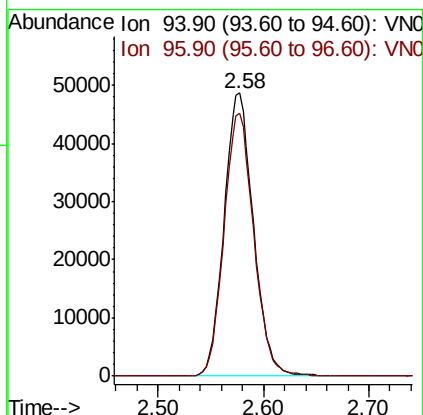
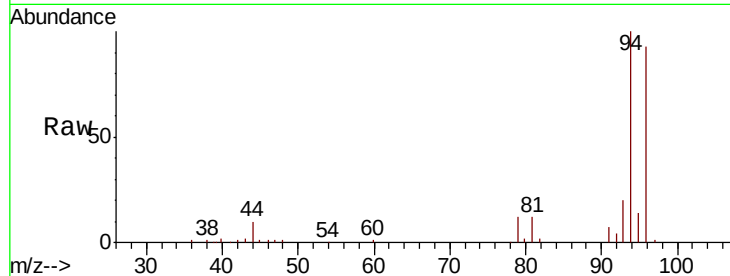




#5
Bromomethane
Concen: 21.553 ug/l
RT: 2.58 min Scan# 250
Delta R.T. 0.01 min
Lab File: VN053835.D
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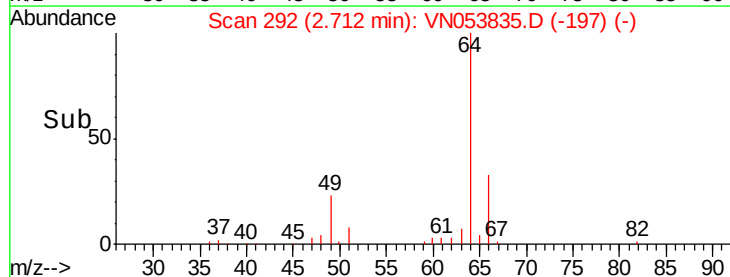
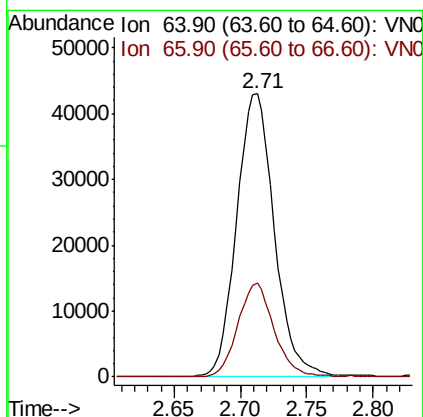
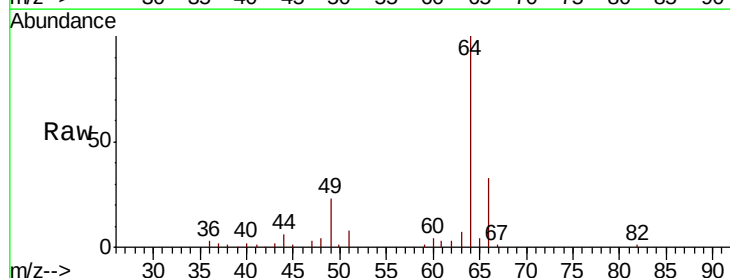
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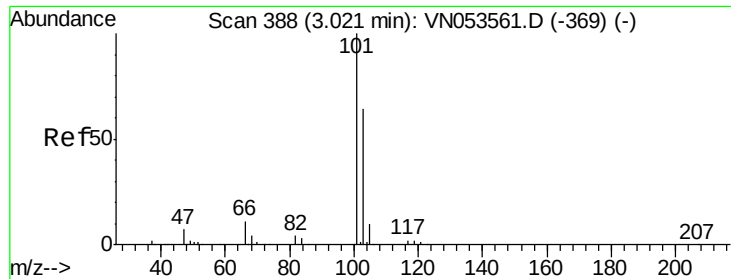
Tgt Ion: 94 Resp: 93690
Ion Ratio Lower Upper
94 100
96 93.0 76.8 115.2



#6
Chloroethane
Concen: 22.405 ug/l
RT: 2.71 min Scan# 292
Delta R.T. 0.01 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion: 64 Resp: 85120
Ion Ratio Lower Upper
64 100
66 33.1 25.1 37.7



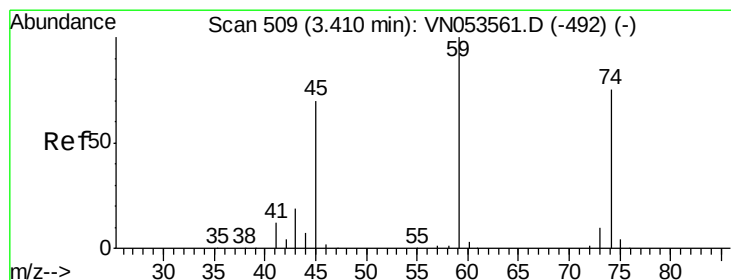
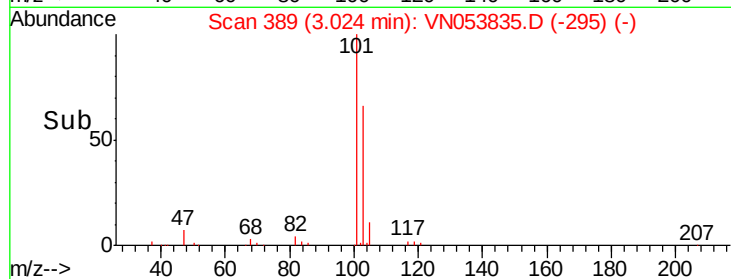
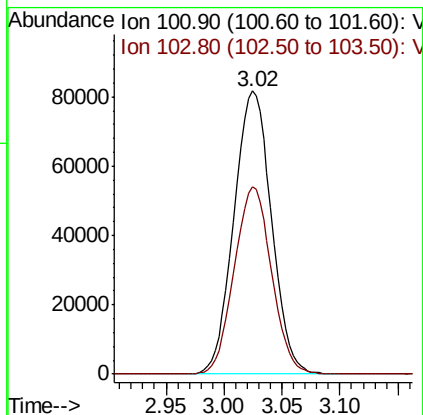
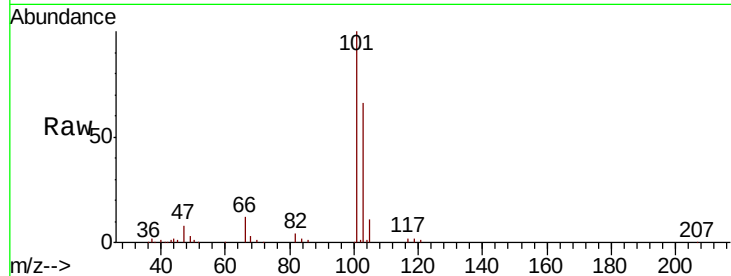


#7

Trichlorofluoromethane
 Concen: 20.366 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053835.D
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Instrument :
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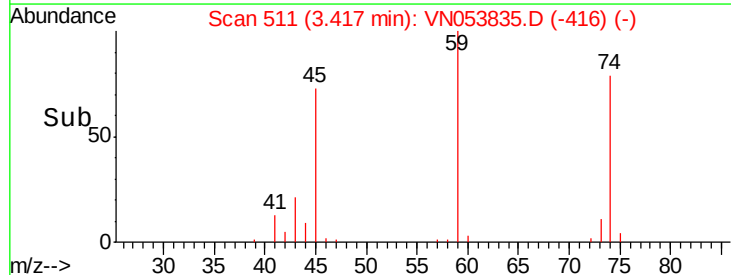
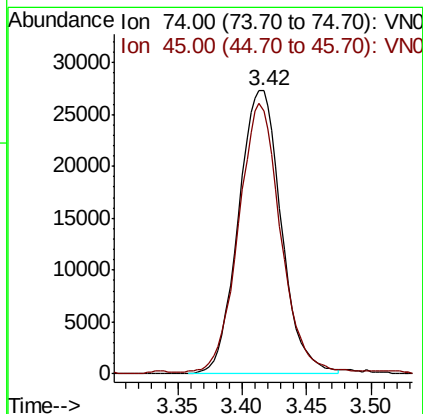
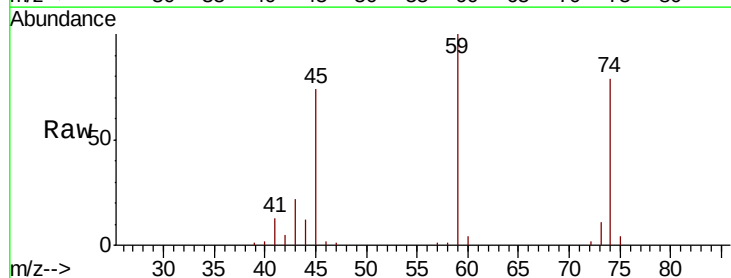
Tgt Ion:101 Resp: 183610
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.6 77.4

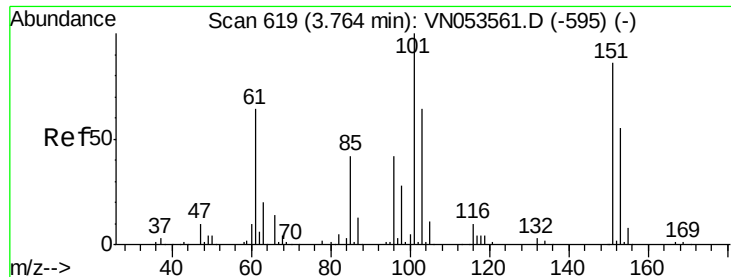


#8

Diethyl Ether
 Concen: 19.168 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VN053835.D
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Tgt Ion: 74 Resp: 63111
 Ion Ratio Lower Upper
 74 100
 45 92.6 47.9 143.7

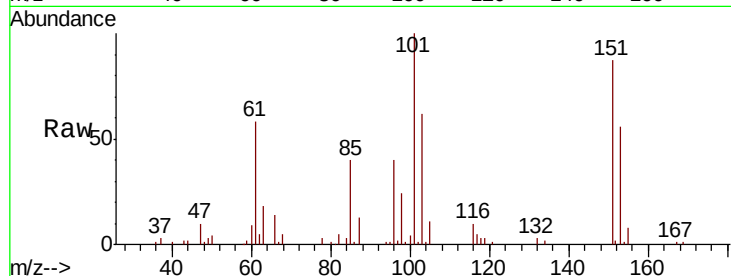




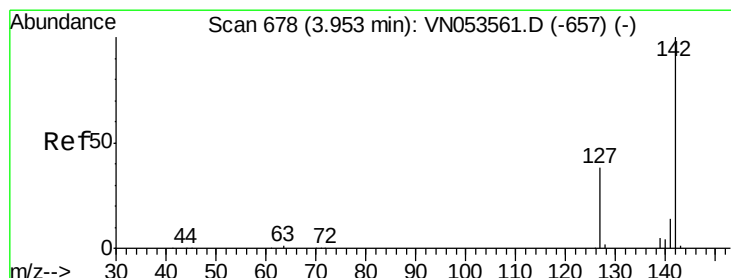
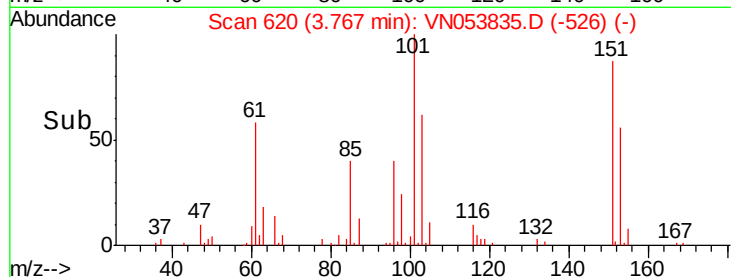
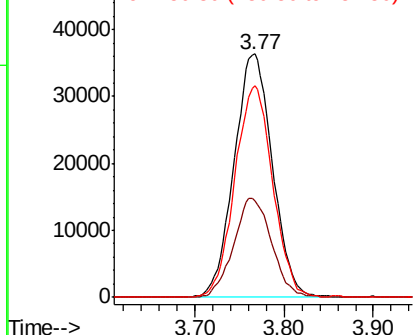
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.472 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

Instrument :
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 ClientSampleId :
 VN0218WBSD01

Tgt Ion:101 Resp: 108570
 Ion Ratio Lower Upper
 101 100
 85 40.3 32.8 49.2
 151 85.7 66.9 100.3

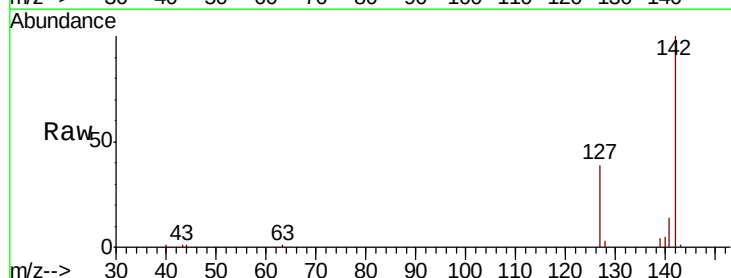


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

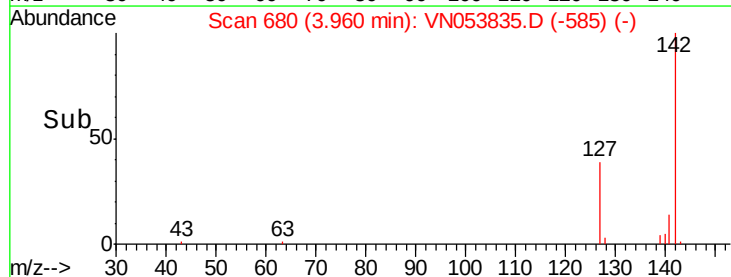
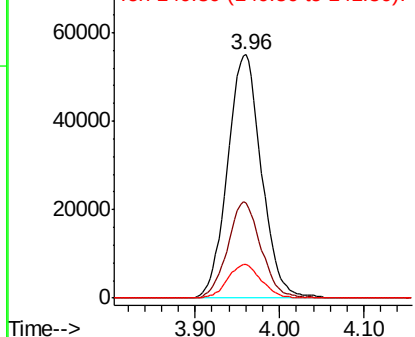


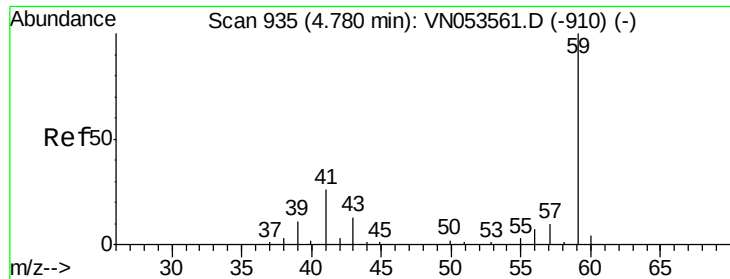
#10
 Methyl Iodide
 Concen: 17.587 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

Tgt Ion:142 Resp: 153912
 Ion Ratio Lower Upper
 142 100
 127 38.7 31.0 46.4
 141 13.7 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V

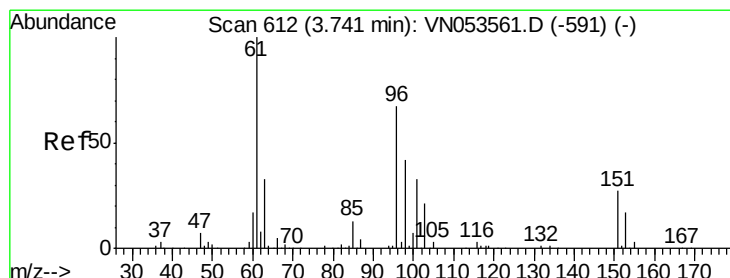
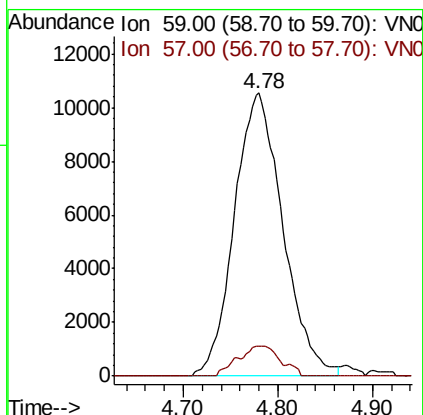
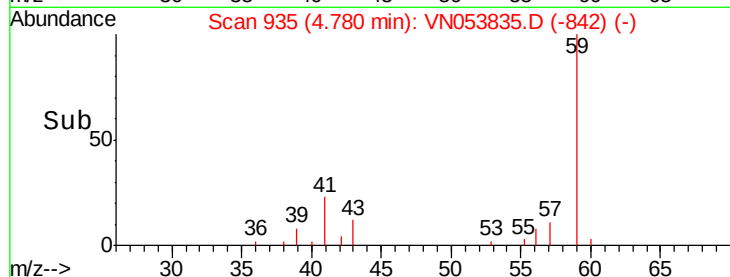
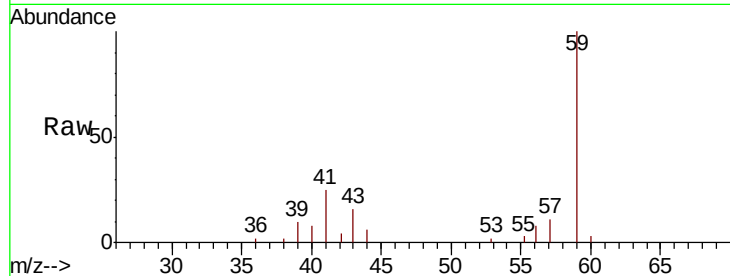




#11
Tert butyl alcohol
Concen: 109.579 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

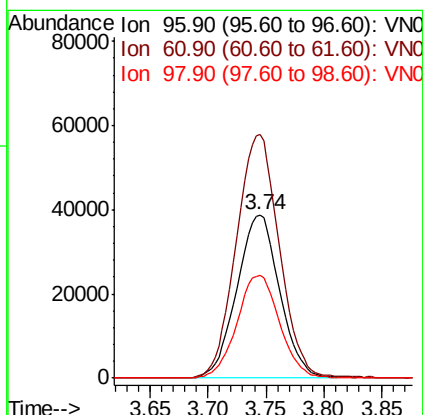
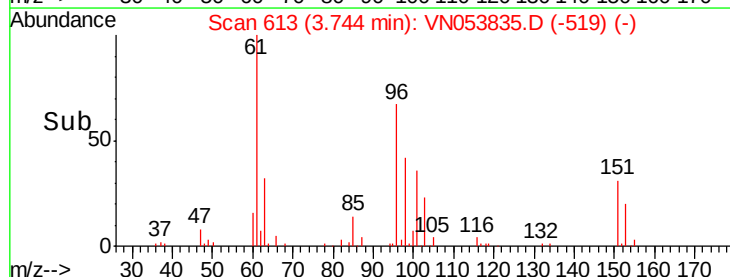
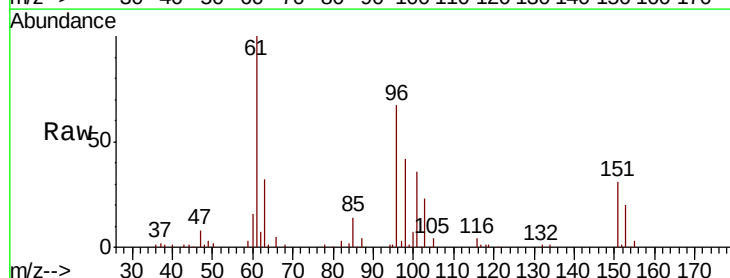
Instrument :
MSVOA_N
ClientSampleId :
VN0218WBSD01

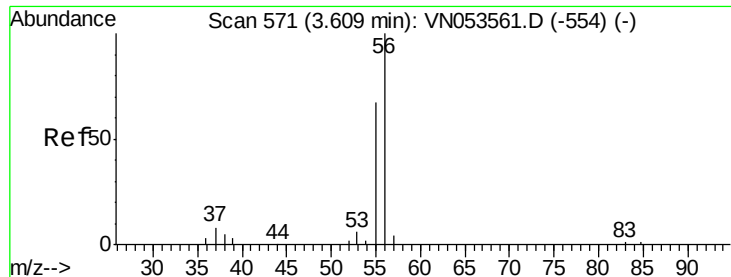
Tgt Ion: 59 Resp: 37530
Ion Ratio Lower Upper
59 100
57 8.6 8.2 12.4



#12
1,1-Dichloroethene
Concen: 18.590 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion: 96 Resp: 99308
Ion Ratio Lower Upper
96 100
61 149.3 122.9 184.3
98 62.9 49.4 74.0





#13

Acrolein

Concen: 78.655 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

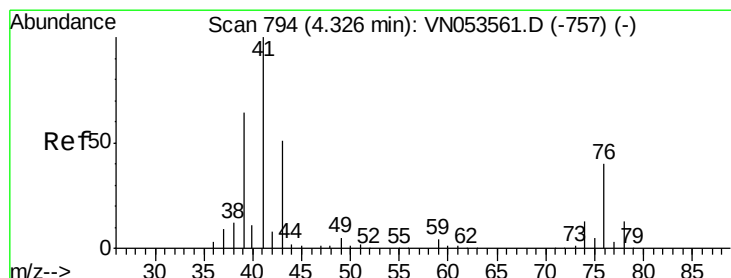
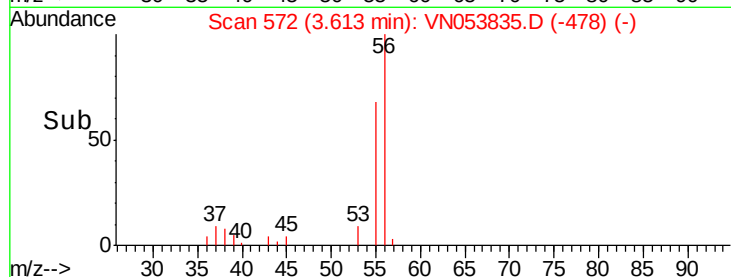
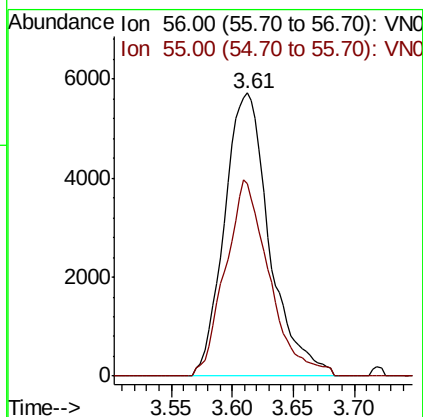
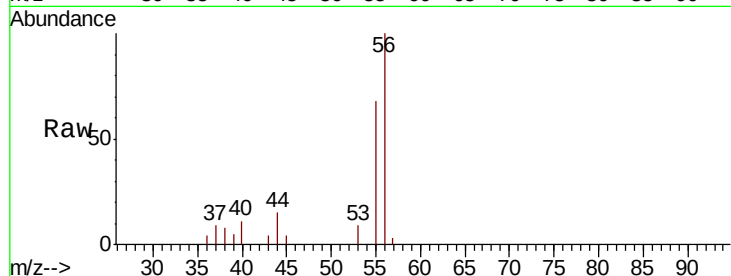
VN0218WBSD01

Tgt Ion: 56 Resp: 14667

Ion Ratio Lower Upper

56 100

55 67.7 57.4 86.0



#14

Allyl chloride

Concen: 18.535 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

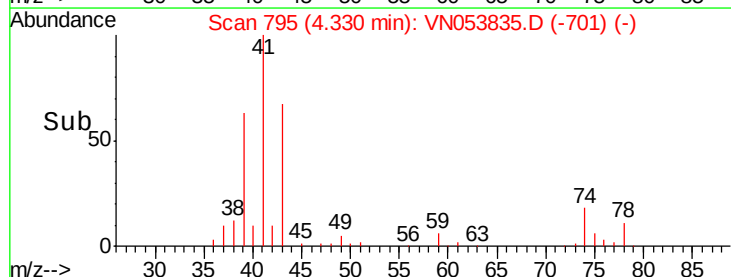
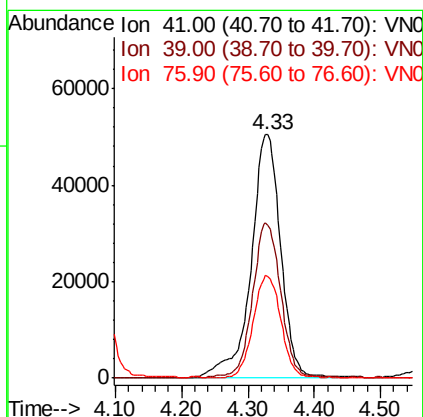
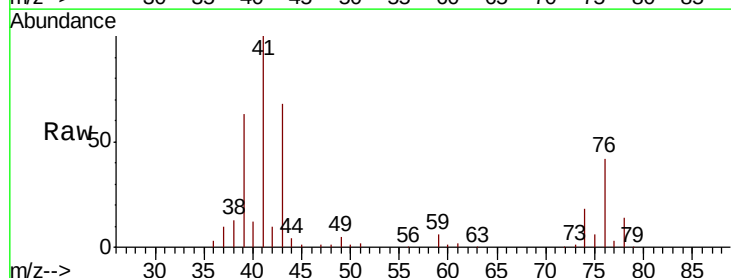
Tgt Ion: 41 Resp: 157652

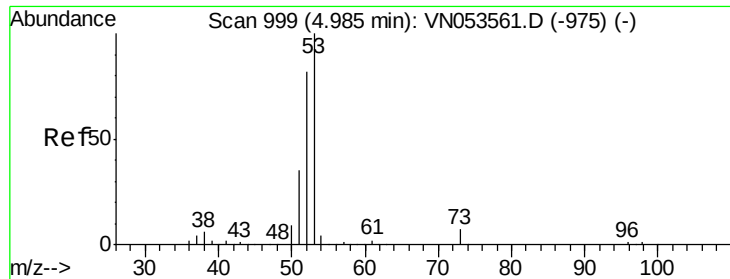
Ion Ratio Lower Upper

41 100

39 60.4 48.9 73.3

76 39.4 29.4 44.2





#15

Acrylonitrile

Concen: 104.774 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBSD01

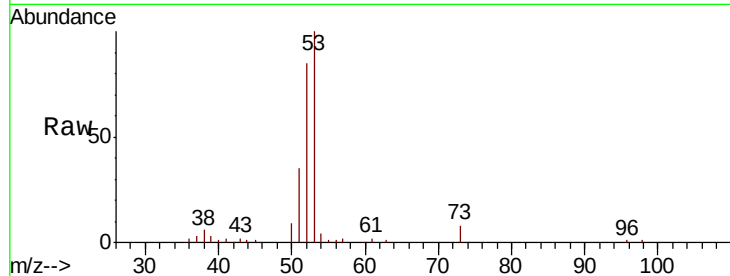
Tgt Ion: 53 Resp: 193722

Ion Ratio Lower Upper

53 100

52 82.7 66.0 99.0

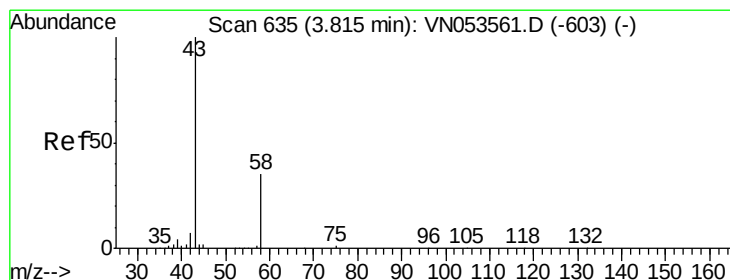
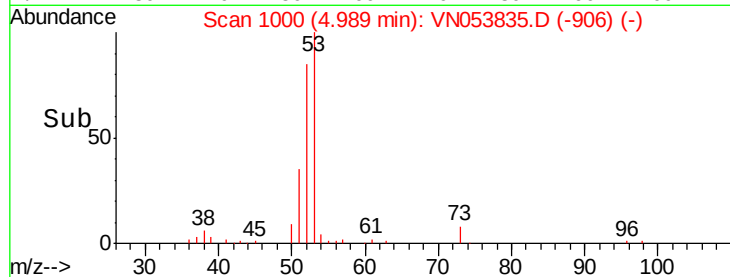
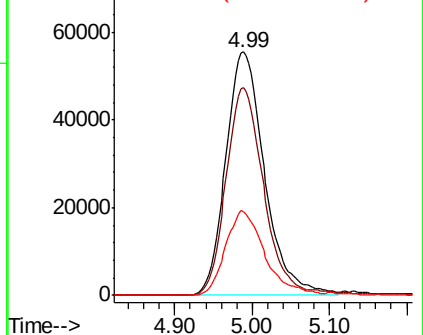
51 35.1 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 99.160 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053835.D

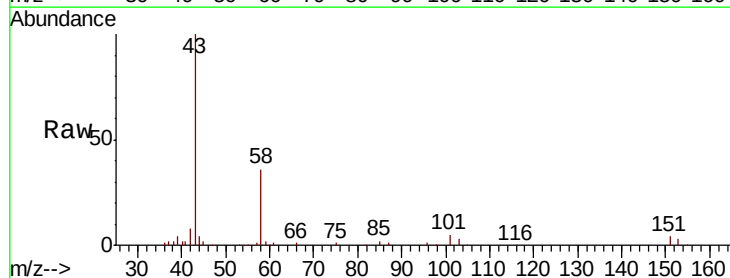
Acq: 18 Feb 2019 11:37

Tgt Ion: 43 Resp: 147193

Ion Ratio Lower Upper

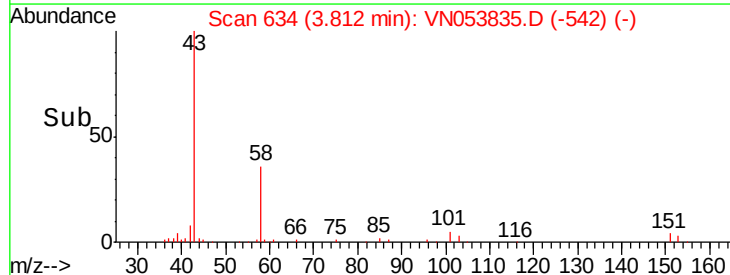
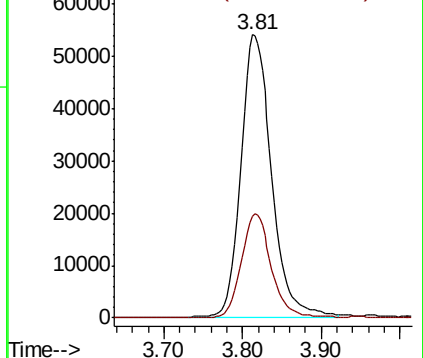
43 100

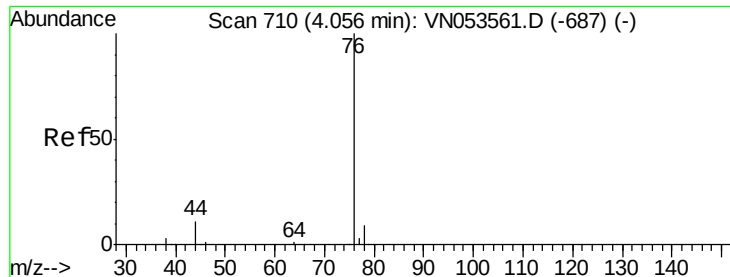
58 36.2 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

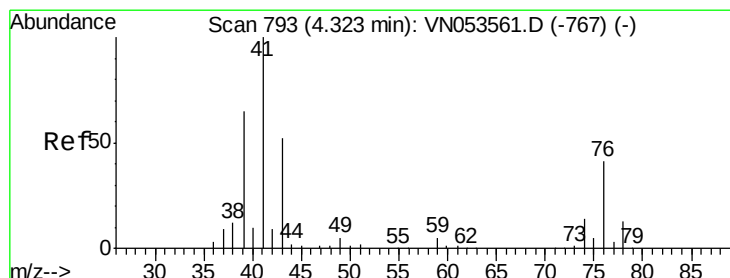
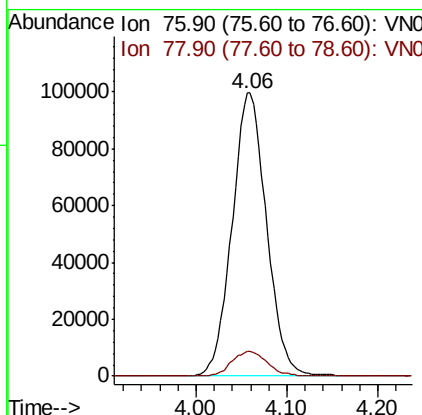
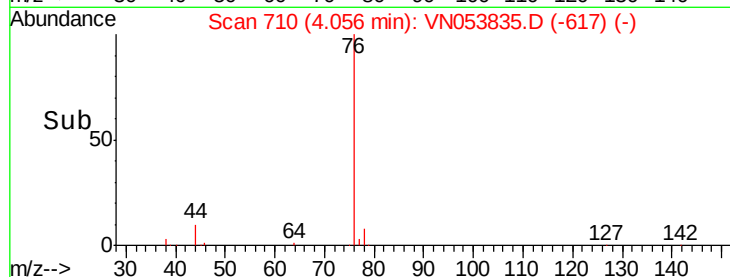
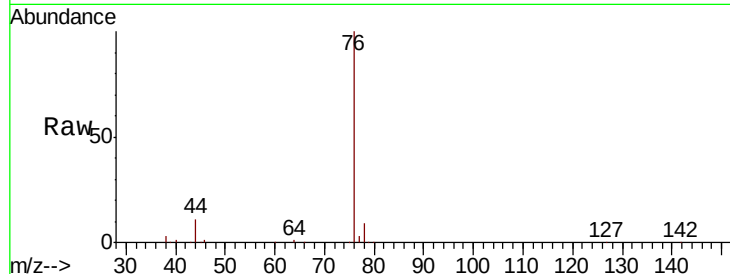




#17
Carbon Disulfide
Concen: 15.724 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

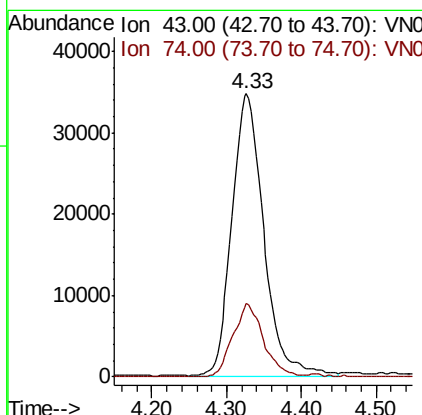
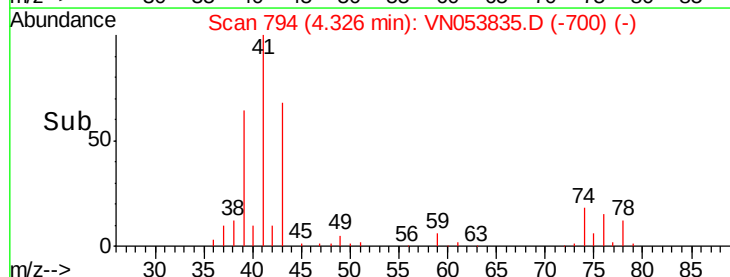
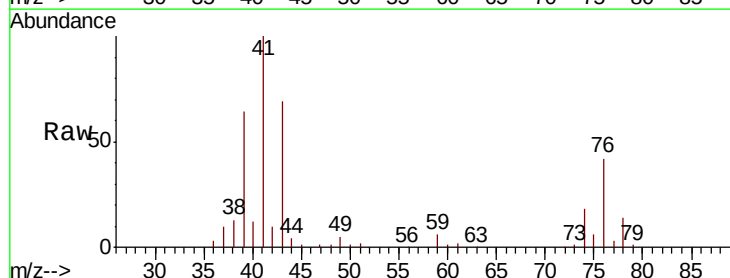
Instrument :
MSVOA_N
ClientSampled :
VN0218WBSD01

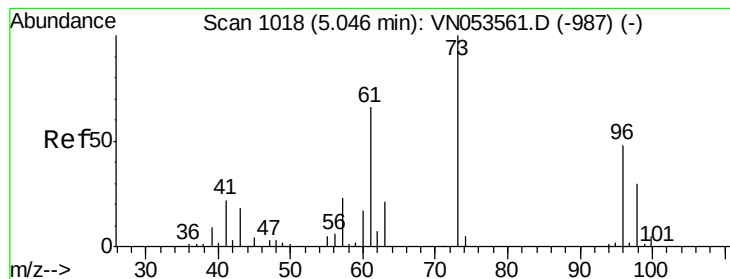
Tgt Ion: 76 Resp: 261551
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 23.685 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion: 43 Resp: 104120
Ion Ratio Lower Upper
43 100
74 24.6 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 20.257 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

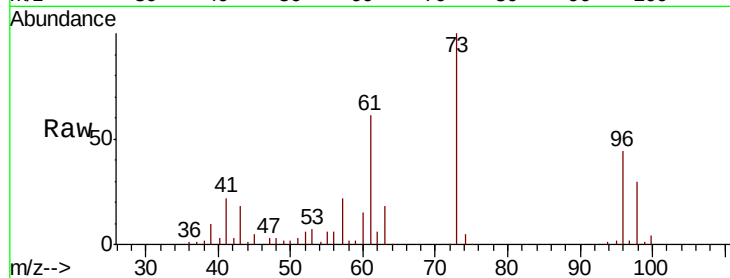
VN0218WBSD01

Tgt Ion: 73 Resp: 274319

Ion Ratio Lower Upper

73 100

57 22.1 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VN053561.D (-987) (-)

Ion 57.00 (56.70 to 57.70): VN053561.D (-987) (-)

5.05

80000

60000

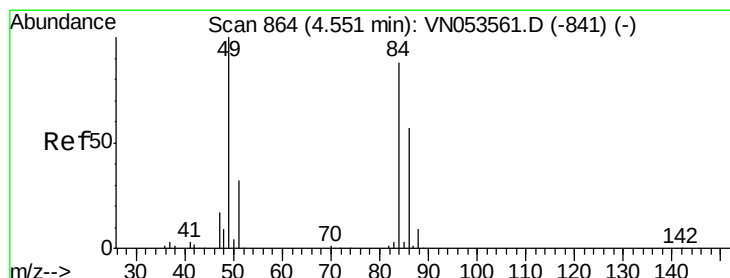
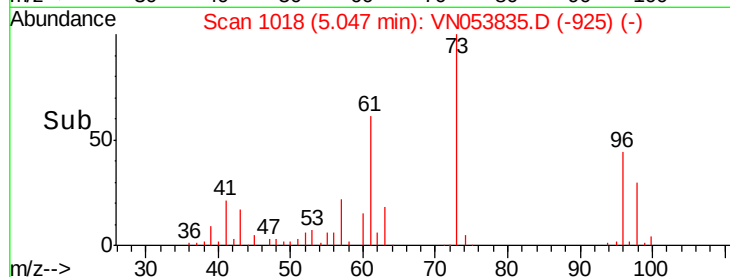
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 18.959 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Tgt Ion: 84 Resp: 118072

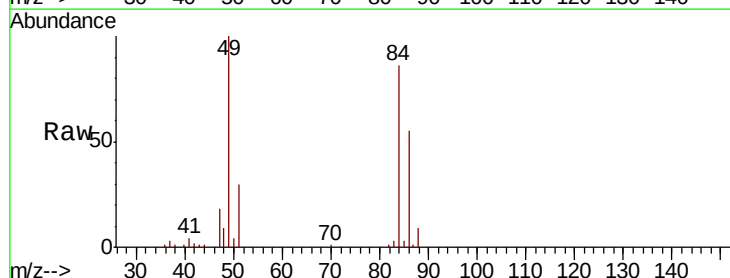
Ion Ratio Lower Upper

84 100

49 115.8 94.3 141.5

51 34.2 29.4 44.2

86 63.2 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VN053561.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN053561.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN053561.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN053561.D (-841) (-)

60000

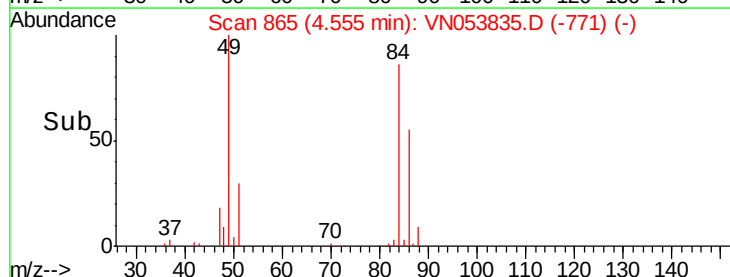
40000

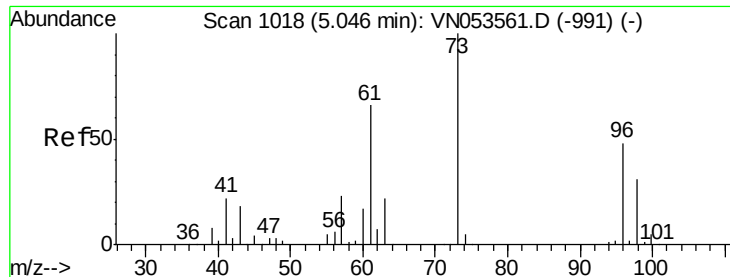
20000

0

Time-->

4.50 4.60

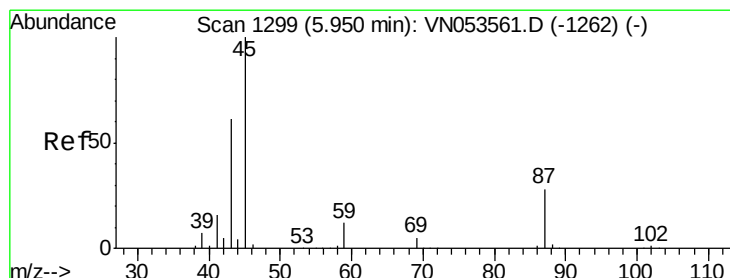
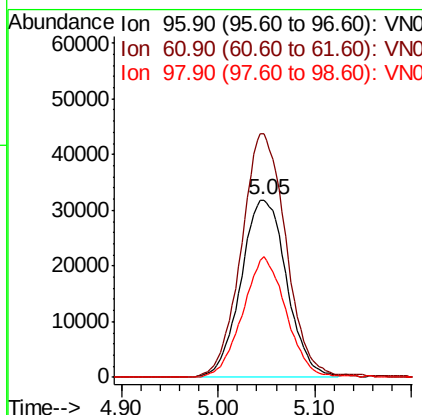
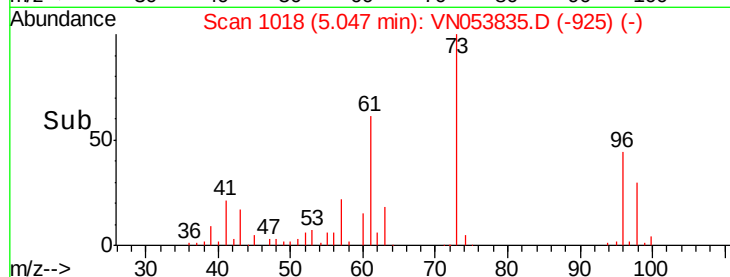
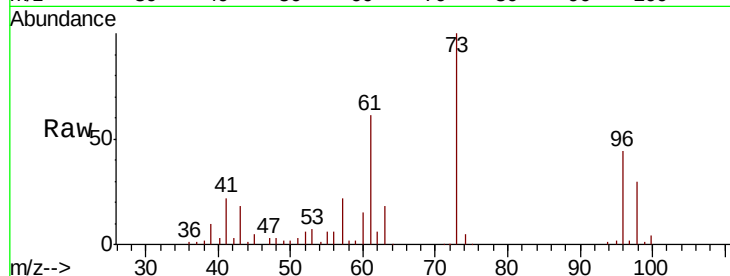




#21
trans-1,2-Dichloroethene
Concen: 18.176 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

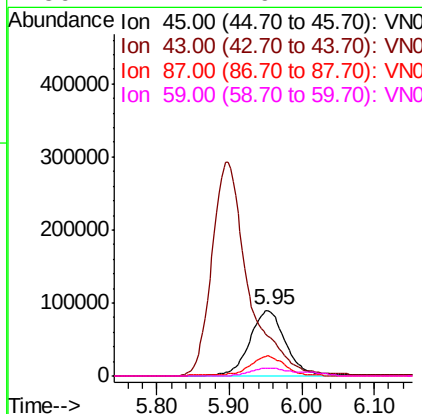
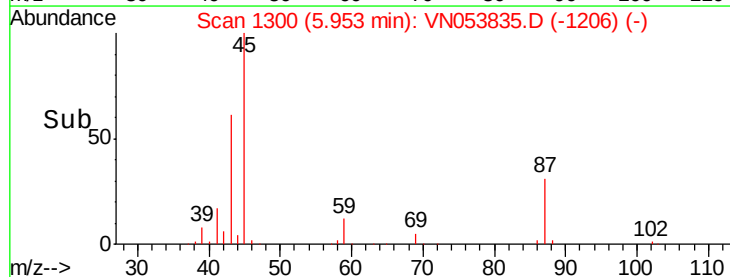
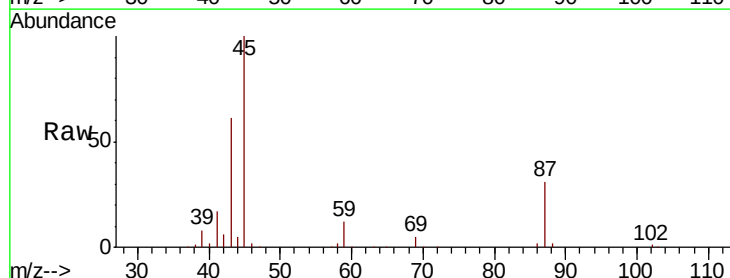
Instrument :
MSVOA_N
ClientSampleId :
VN0218WBSD01

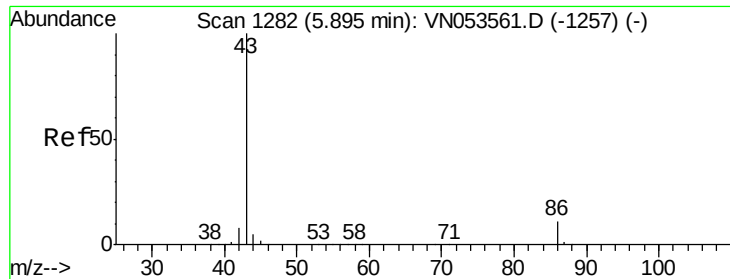
Tgt Ion: 96 Resp: 104750
Ion Ratio Lower Upper
96 100
61 137.0 110.1 165.1
98 67.6 50.0 75.0



#22
Diisopropyl ether
Concen: 19.702 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion: 45 Resp: 310503
Ion Ratio Lower Upper
45 100
43 57.9 44.2 66.4
87 29.6 22.7 34.1
59 11.7 9.4 14.2

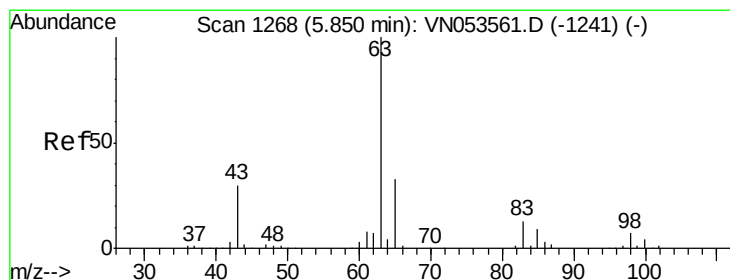
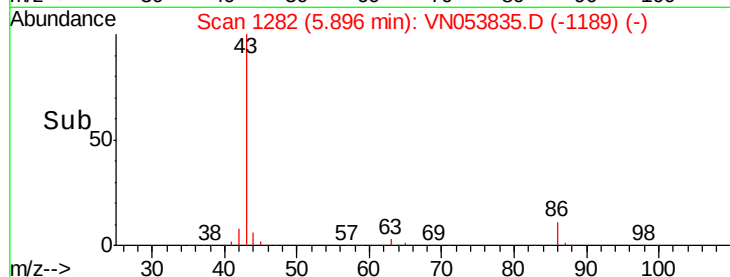
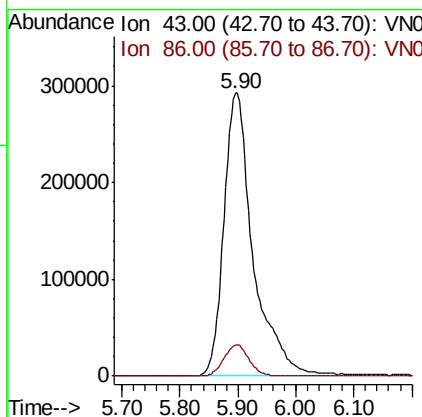
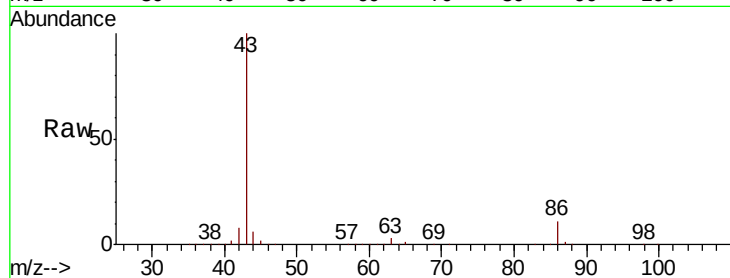




#23
 Vinyl Acetate
 Concen: 94.201 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

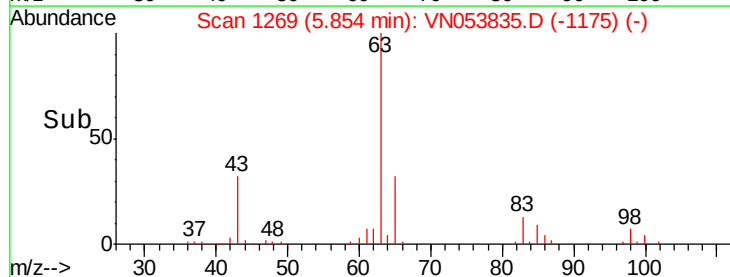
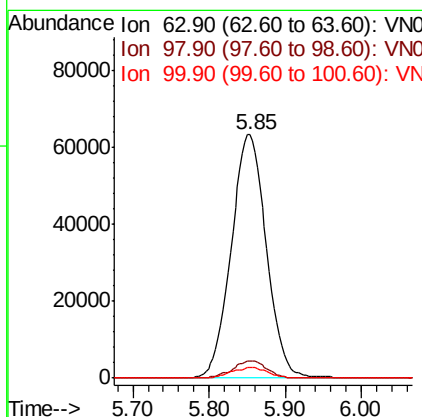
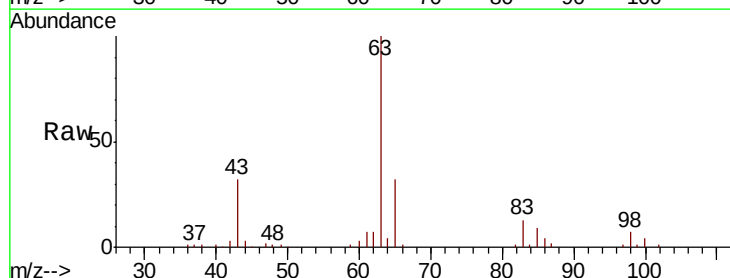
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBSD01

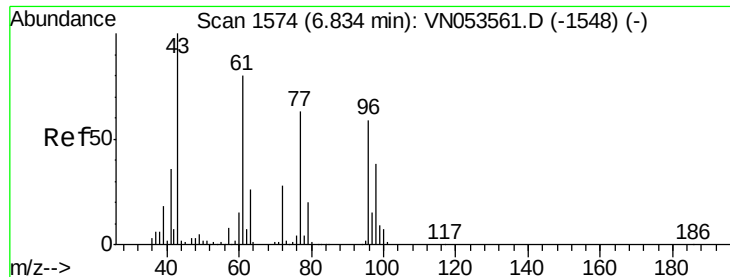
Tgt Ion: 43 Resp: 1027027
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 19.297 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

Tgt Ion: 63 Resp: 202843
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.9
 100 4.4 2.1 6.5

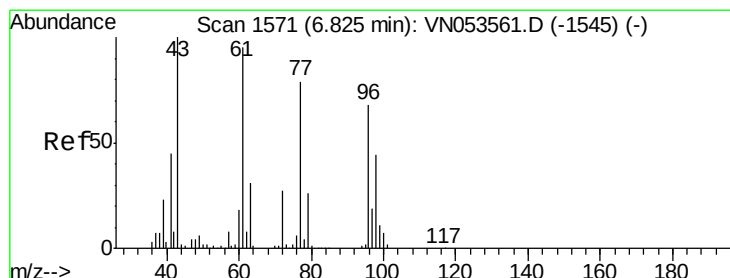
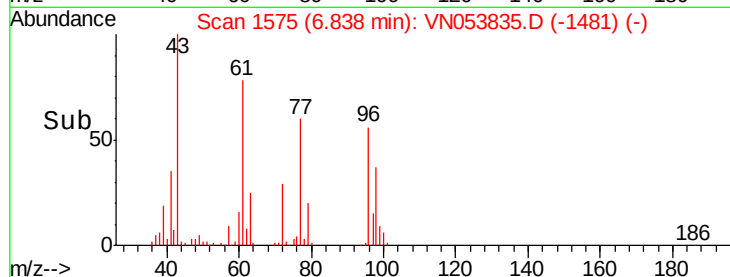
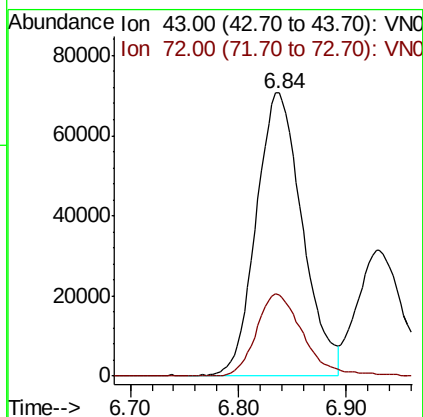
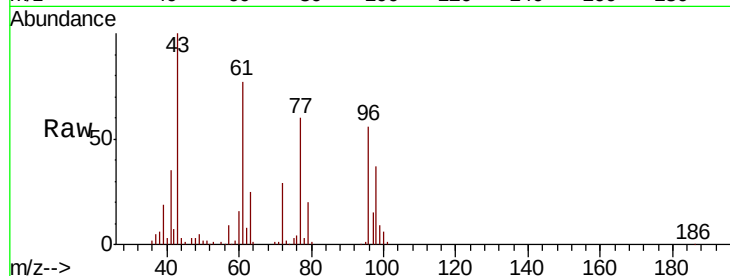




#25
2-Butanone
Concen: 99.193 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

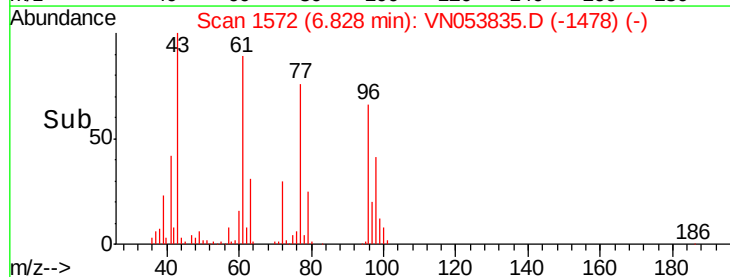
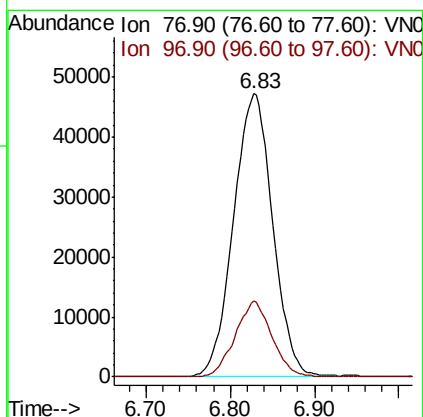
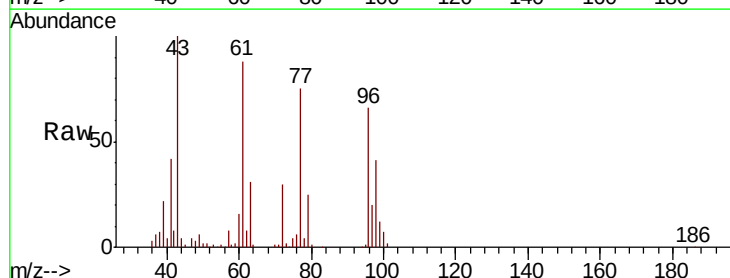
Instrument :
MSVOA_N
ClientSampleId :
VN0218WBSD01

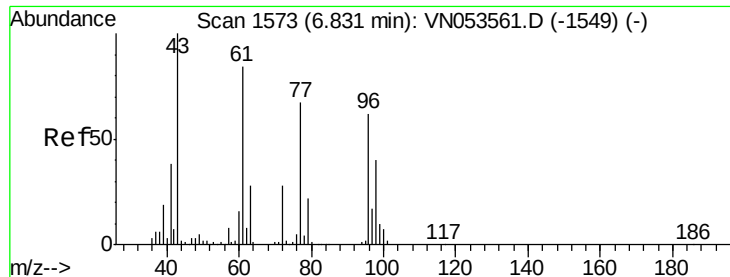
Tgt Ion: 43 Resp: 209999
Ion Ratio Lower Upper
43 100
72 28.8 22.0 33.0



#26
2,2-Dichloropropane
Concen: 19.031 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion: 77 Resp: 152713
Ion Ratio Lower Upper
77 100
97 24.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.213 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBSD01

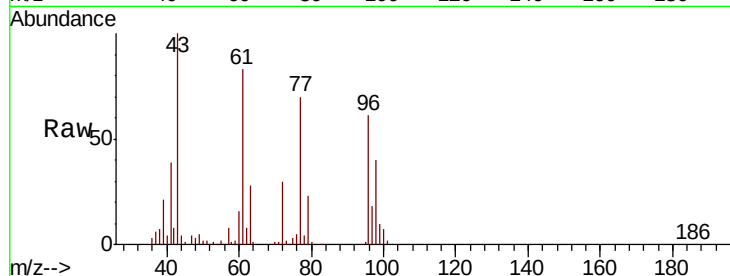
Tgt Ion: 96 Resp: 123124

Ion Ratio Lower Upper

96 100

61 139.7 0.0 283.8

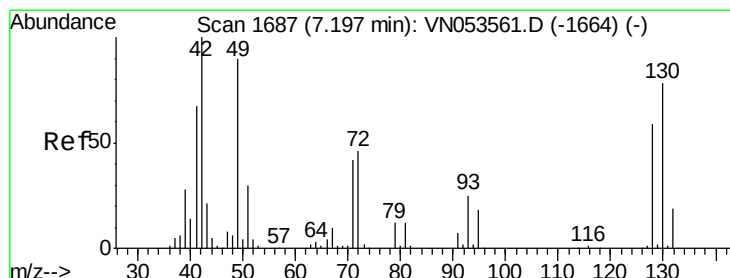
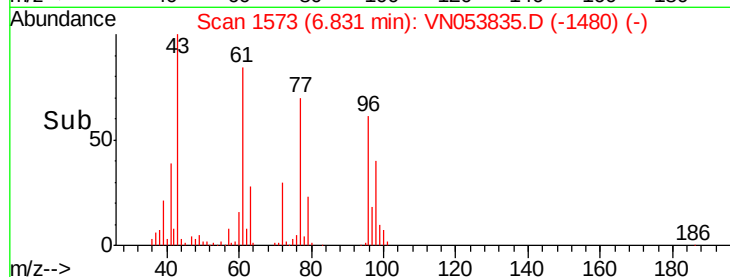
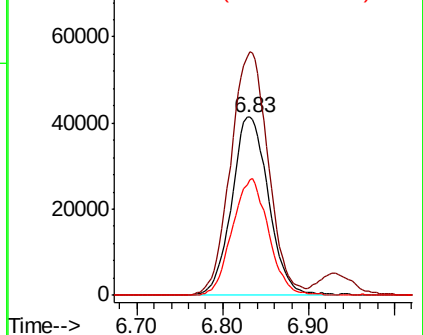
98 64.1 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.617 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

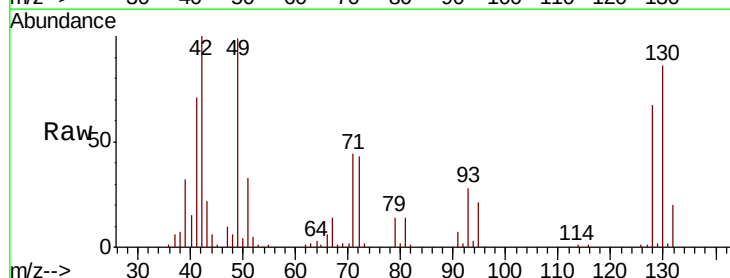
Tgt Ion: 49 Resp: 94049

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.0

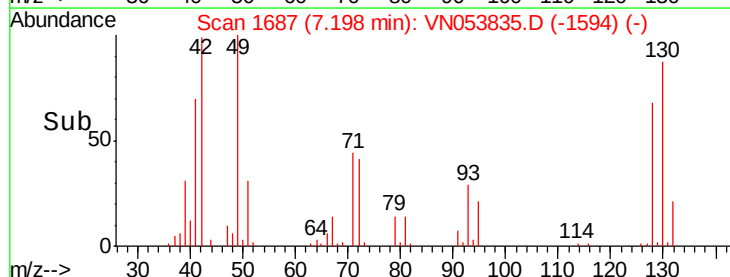
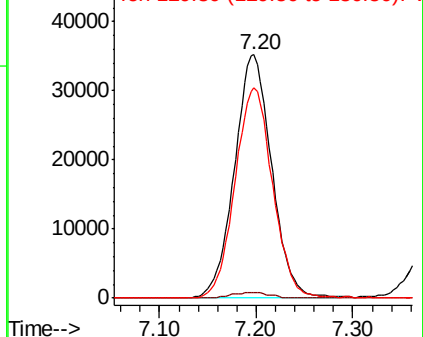
130 87.4 66.3 99.5

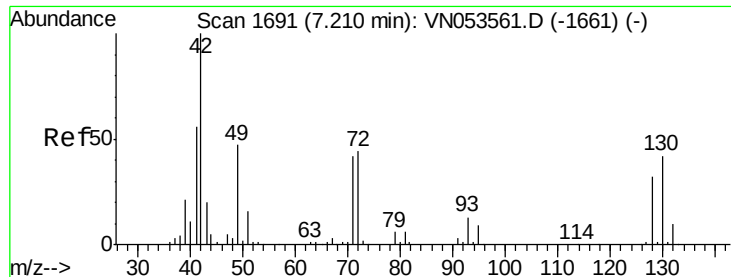


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

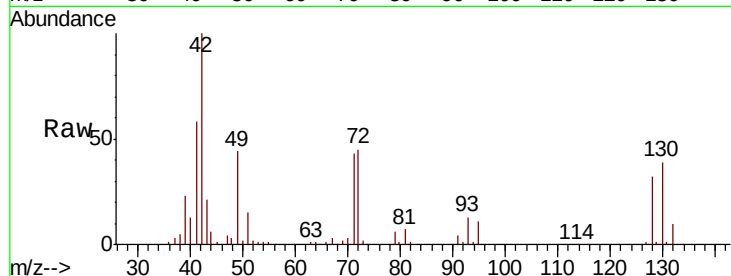




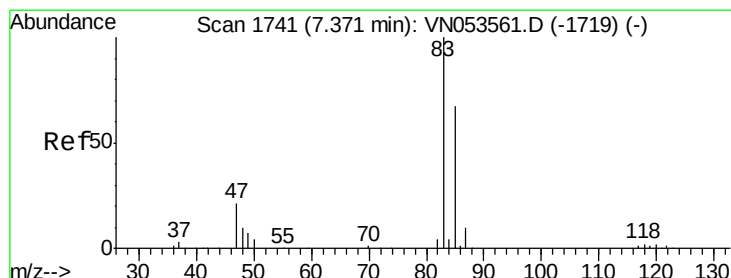
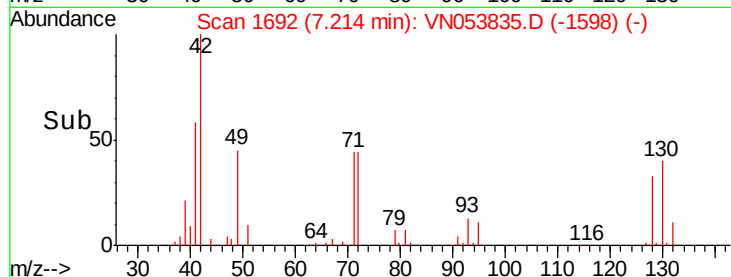
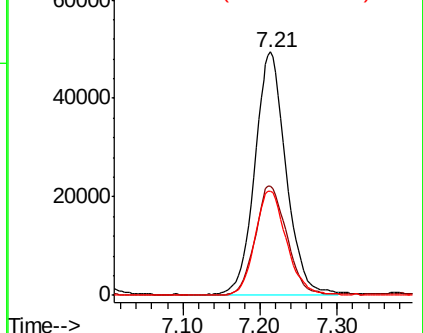
#29
Tetrahydrofuran
Concen: 102.921 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBSD01

Tgt Ion: 42 Resp: 139915
Ion Ratio Lower Upper
42 100
72 45.4 35.2 52.8
71 43.4 33.0 49.4

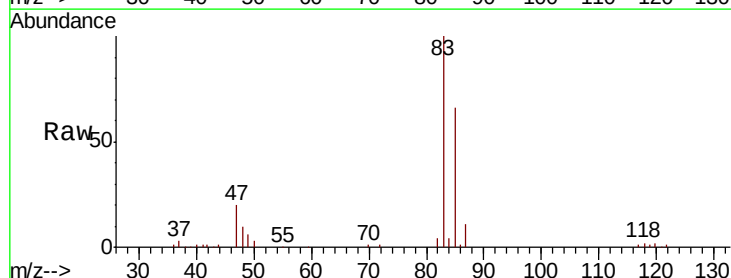


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

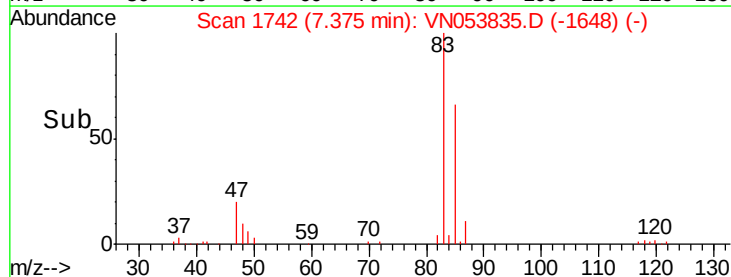
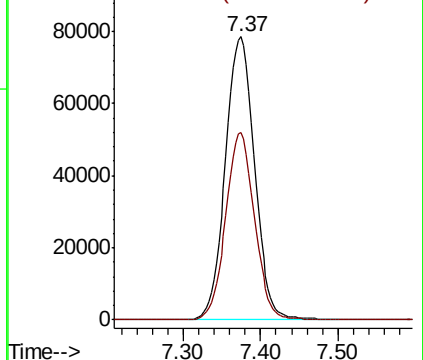


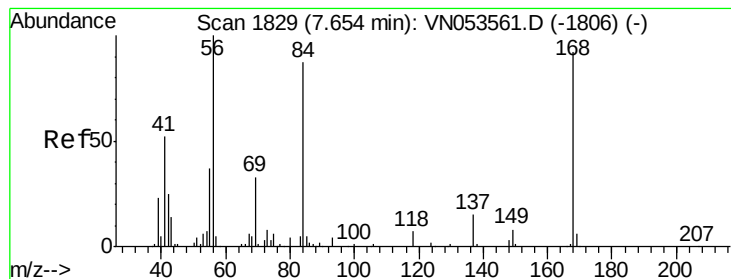
#30
Chloroform
Concen: 19.744 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion: 83 Resp: 205736
Ion Ratio Lower Upper
83 100
85 66.4 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.733 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBSD01

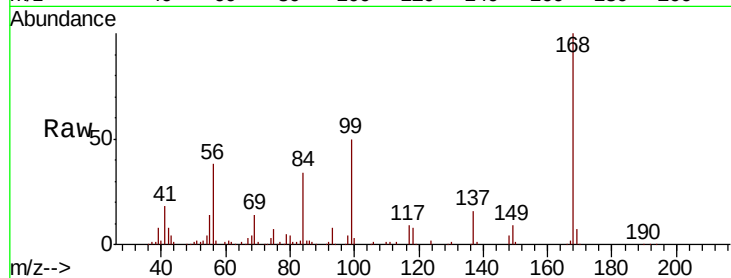
Tgt Ion: 56 Resp: 174620

Ion Ratio Lower Upper

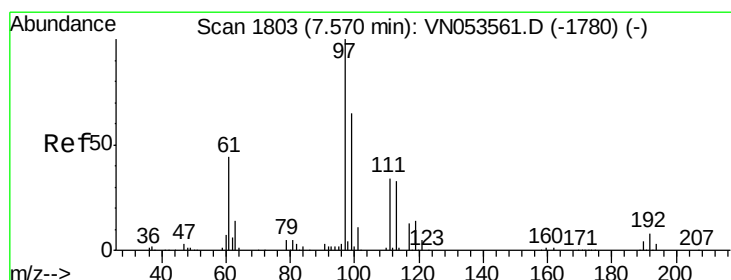
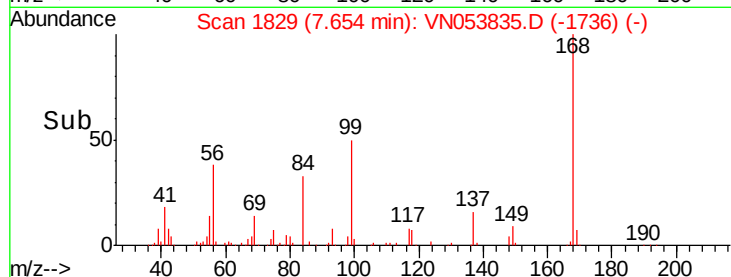
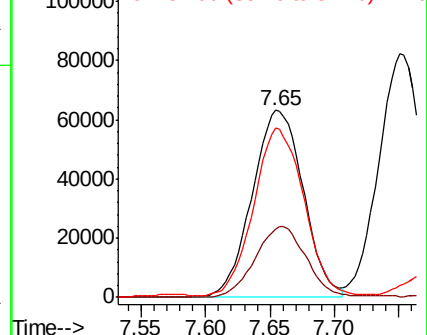
56 100

69 36.8 26.4 39.6

84 89.5 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.486 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

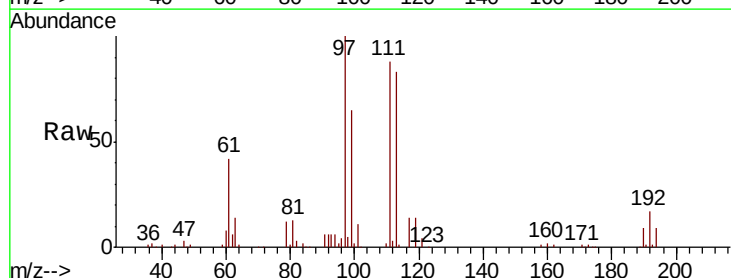
Tgt Ion: 97 Resp: 168983

Ion Ratio Lower Upper

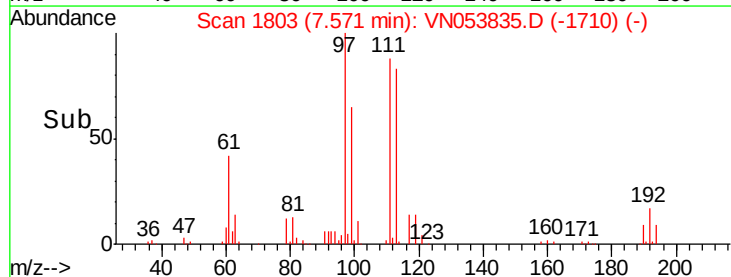
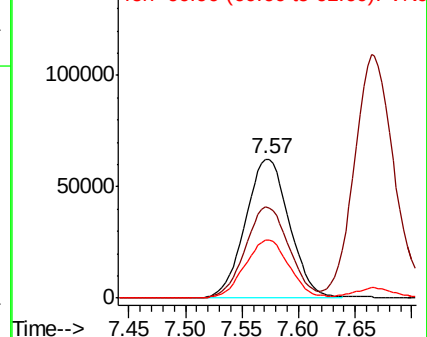
97 100

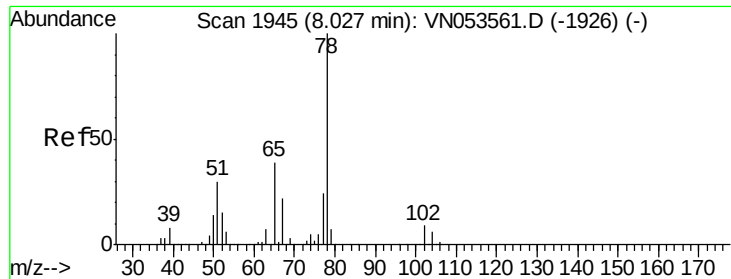
99 65.5 52.0 78.0

61 42.4 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

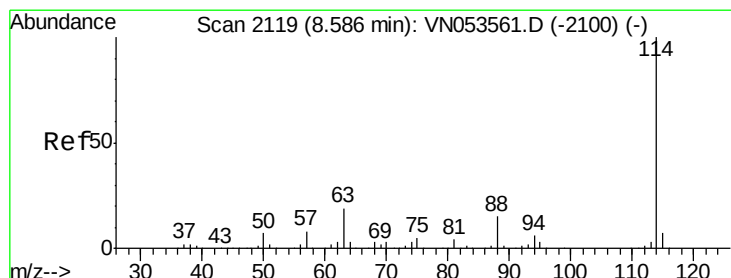
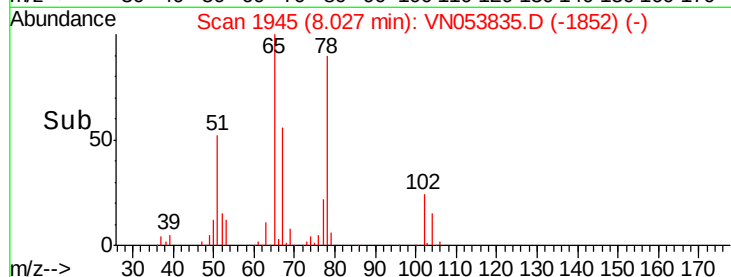
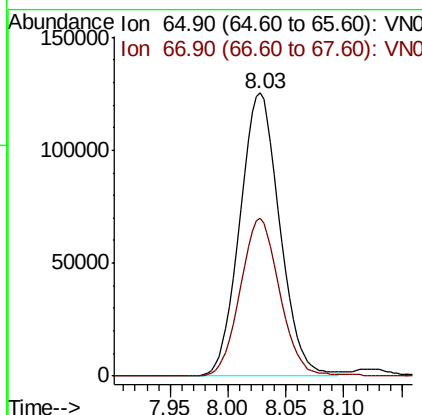
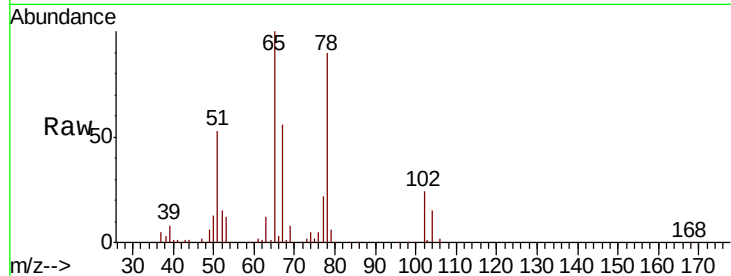




#33
 1,2-Dichloroethane-d4
 Concen: 51.810 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

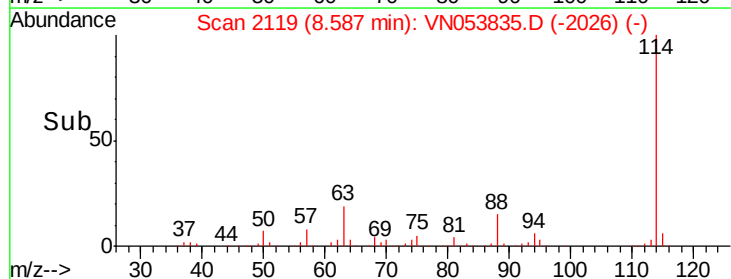
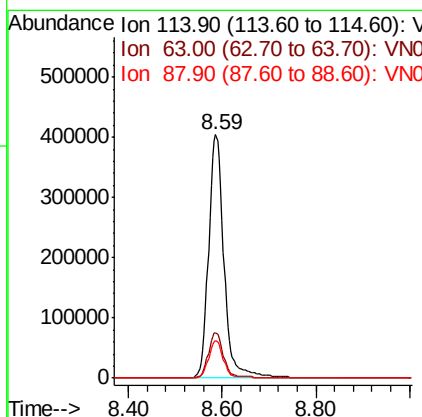
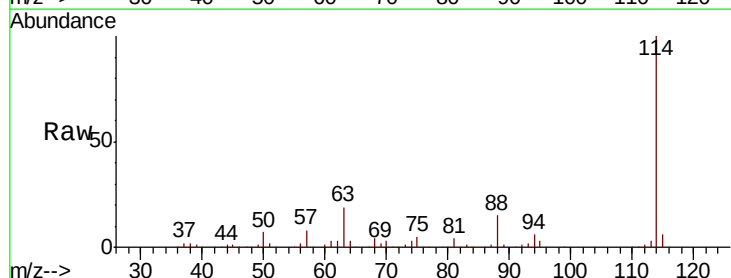
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBSD01

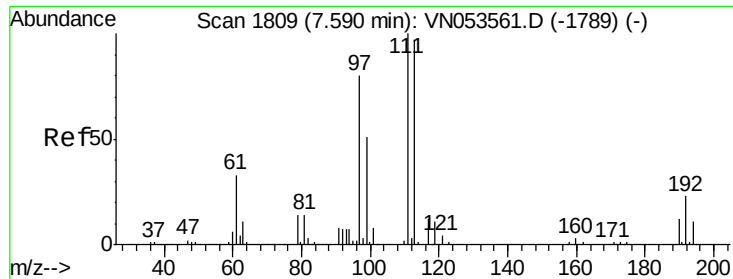
Tgt Ion: 65 Resp: 299826
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

Tgt Ion: 114 Resp: 922658
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.6
 88 15.2 0.0 30.4

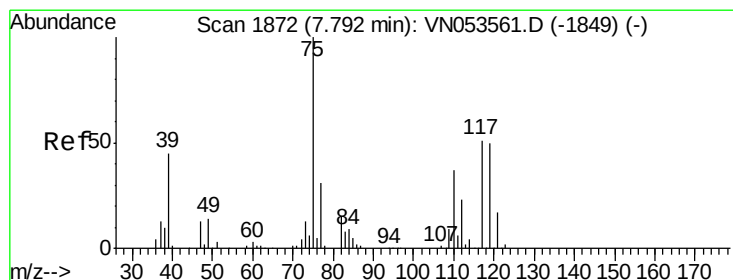
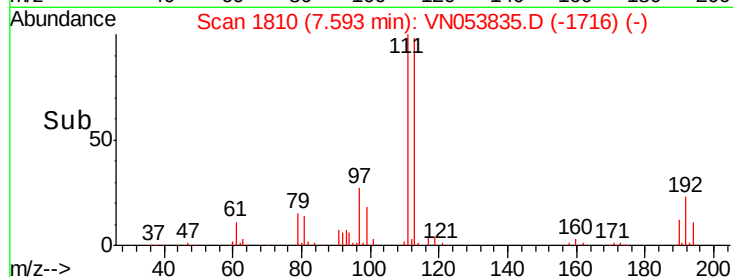
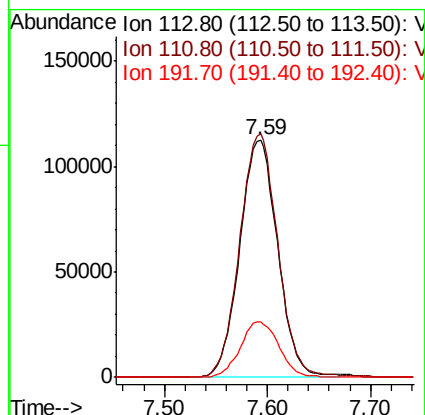
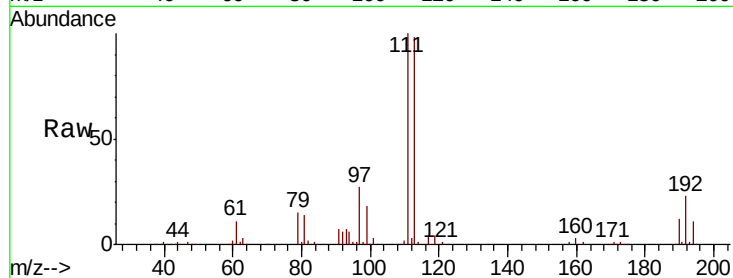




#35
 Dibromofluoromethane
 Concen: 49.407 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

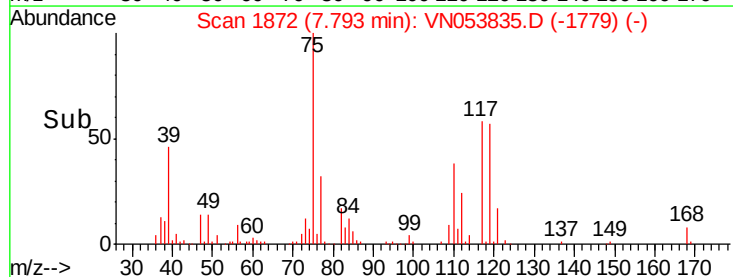
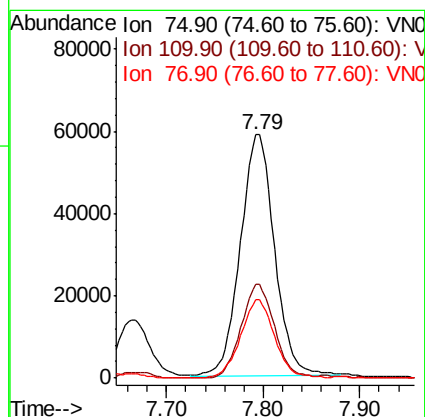
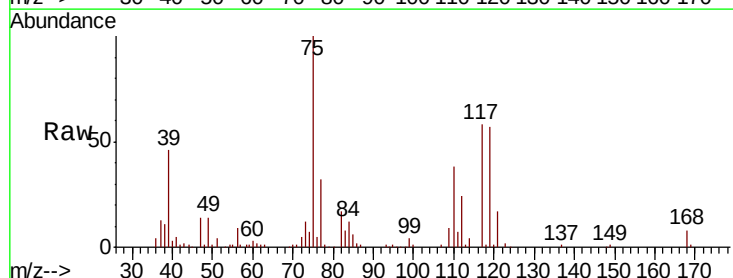
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBSD01

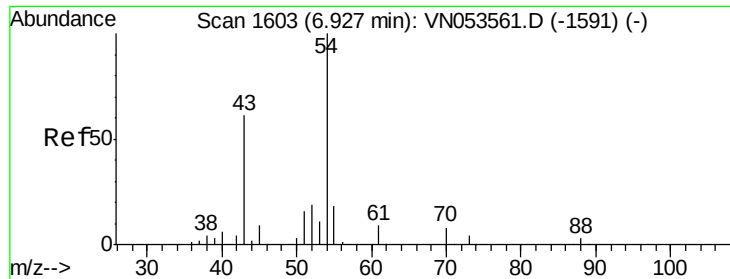
Tgt Ion: 113 Resp: 288045
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.1 121.7
 192 23.7 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 17.468 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

Tgt Ion: 75 Resp: 145283
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.1 54.3
 77 32.0 25.1 37.7

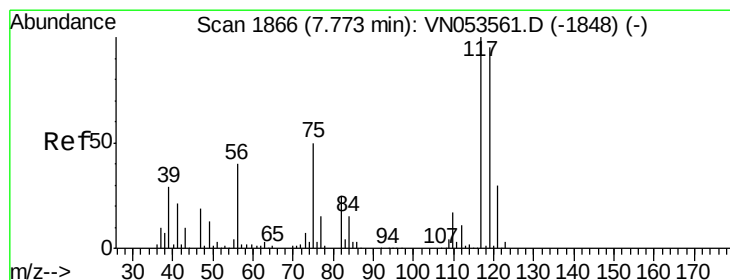
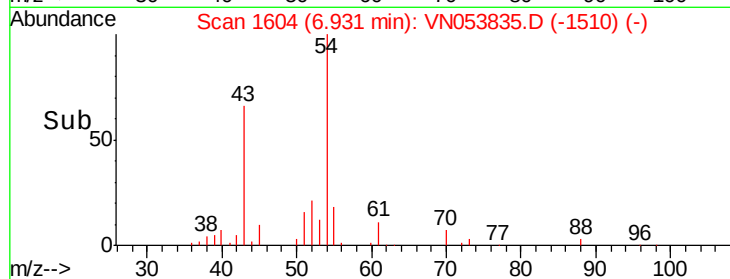
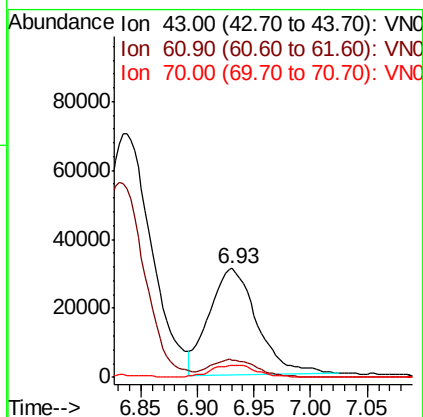
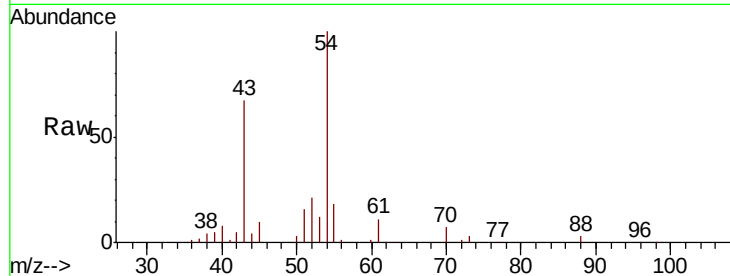




#37
Ethyl Acetate
 Concen: 19.462 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

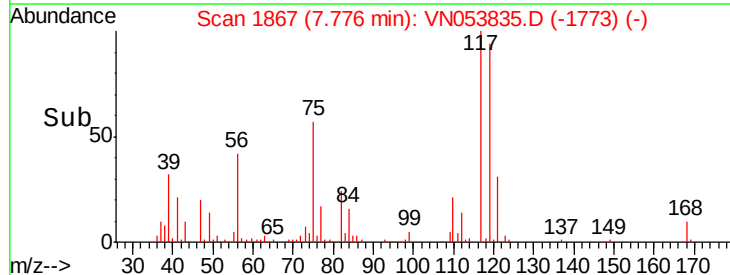
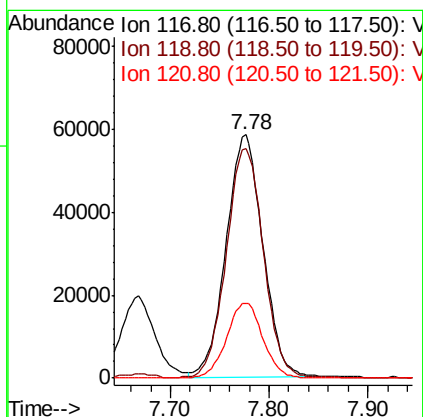
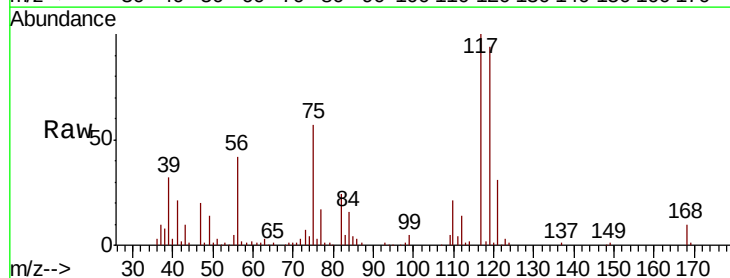
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBSD01

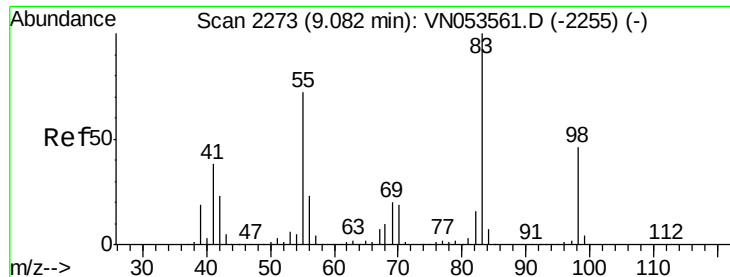
Tgt Ion: 43 Resp: 90405
 Ion Ratio Lower Upper
 43 100
 61 16.7 11.8 17.6
 70 10.9 8.6 12.8



#38
Carbon Tetrachloride
 Concen: 18.152 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

Tgt Ion: 117 Resp: 152092
 Ion Ratio Lower Upper
 117 100
 119 94.2 77.2 115.8
 121 31.0 24.6 37.0

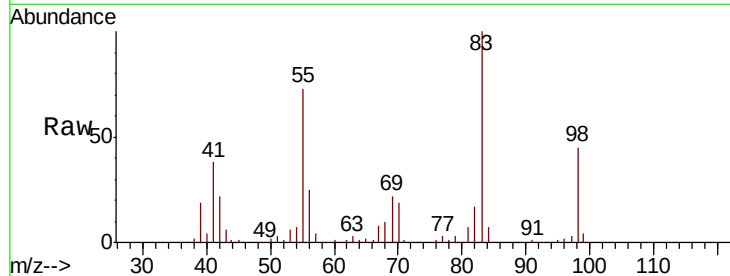




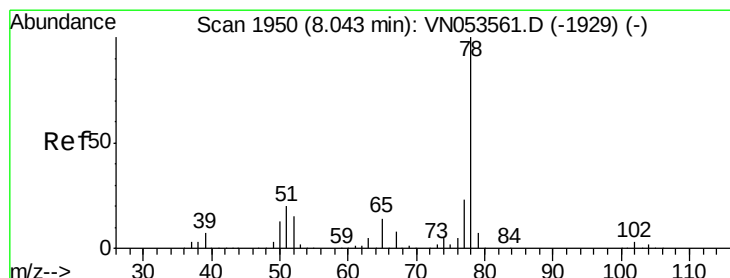
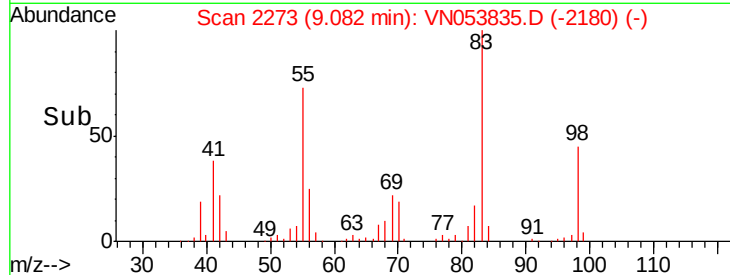
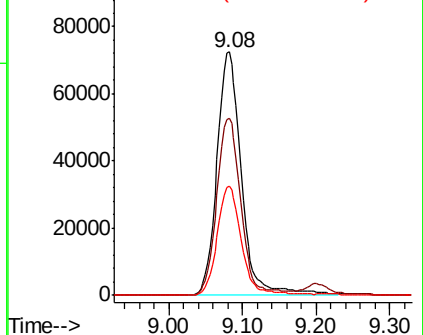
#39
Methylcyclohexane
Concen: 17.016 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBSD01

Tgt Ion: 83 Resp: 167904
Ion Ratio Lower Upper
83 100
55 73.0 60.1 90.1
98 45.1 36.6 55.0

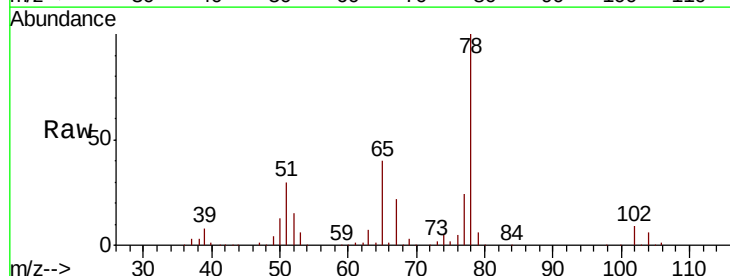


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

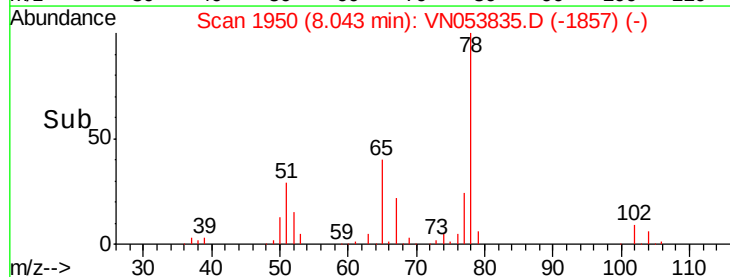
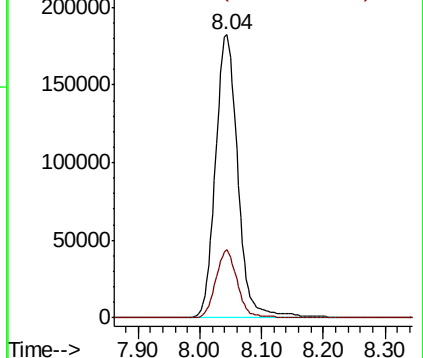


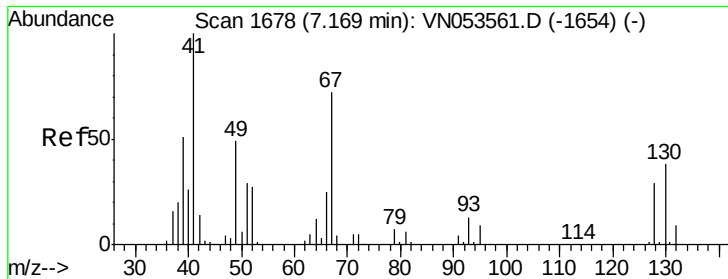
#40
Benzene
Concen: 17.940 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion: 78 Resp: 460126
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 19.875 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBSD01

Tgt Ion: 41 Resp: 51599

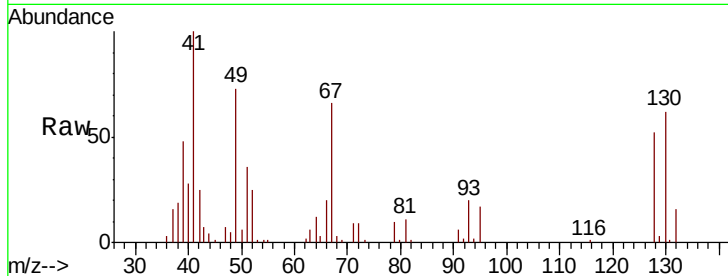
Ion Ratio Lower Upper

41 100

39 50.1 46.8 70.2

67 86.9 63.0 94.6

52 33.5 23.8 35.8

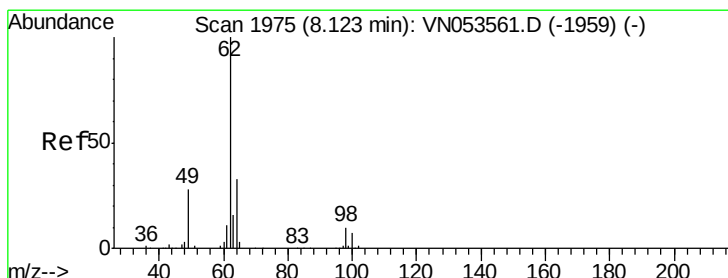
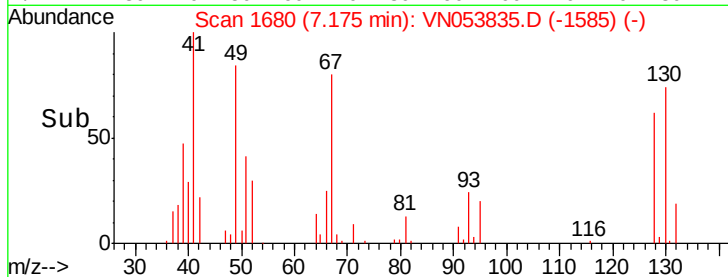
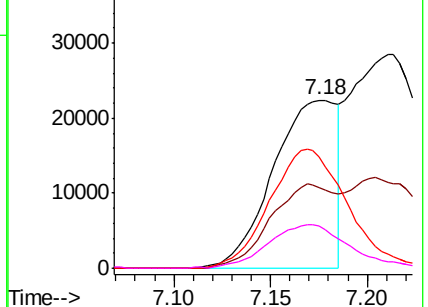


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 18.281 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053835.D

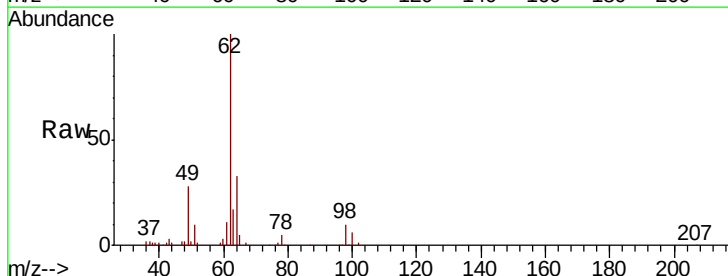
Acq: 18 Feb 2019 11:37

Tgt Ion: 62 Resp: 139219

Ion Ratio Lower Upper

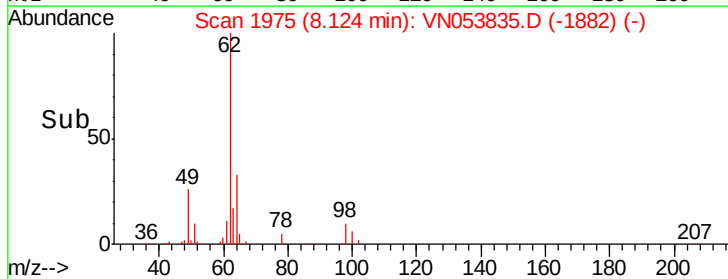
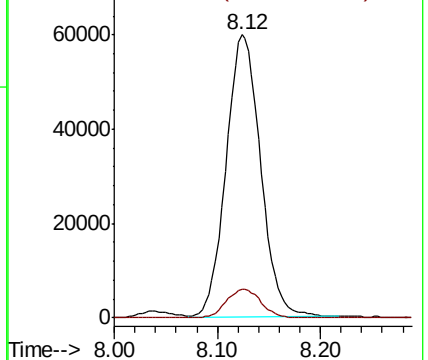
62 100

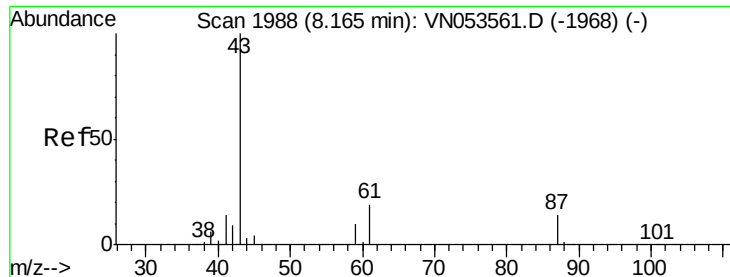
98 10.3 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.849 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBSD01

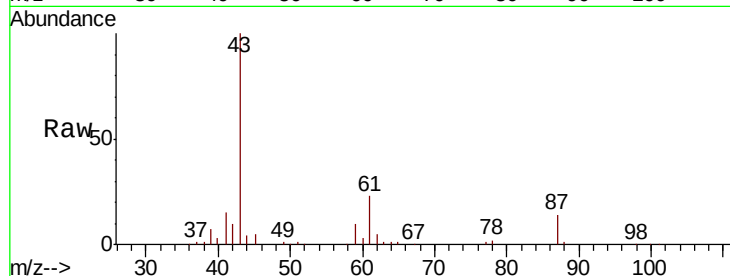
Tgt Ion: 43 Resp: 169088

Ion Ratio Lower Upper

43 100

61 20.3 23.9 35.9#

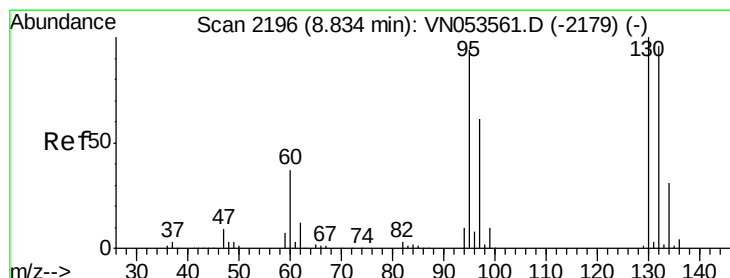
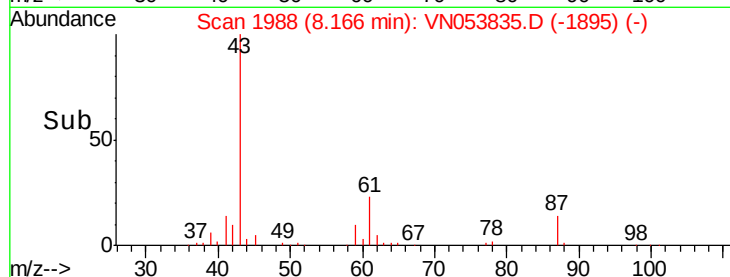
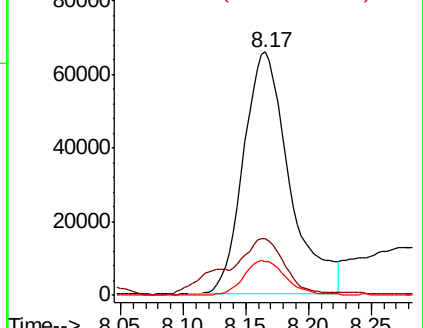
87 13.2 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053835.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN053835.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN053835.D (-1968) (-)



#44

Trichloroethene

Concen: 18.013 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053835.D

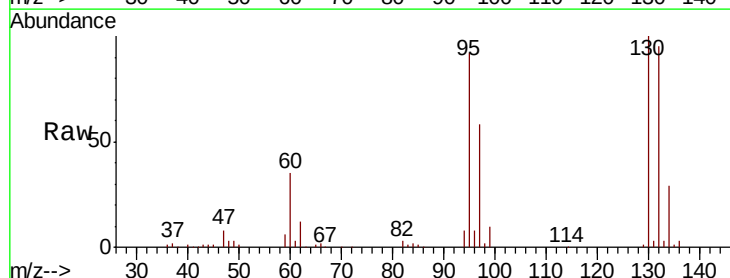
Acq: 18 Feb 2019 11:37

Tgt Ion: 130 Resp: 131529

Ion Ratio Lower Upper

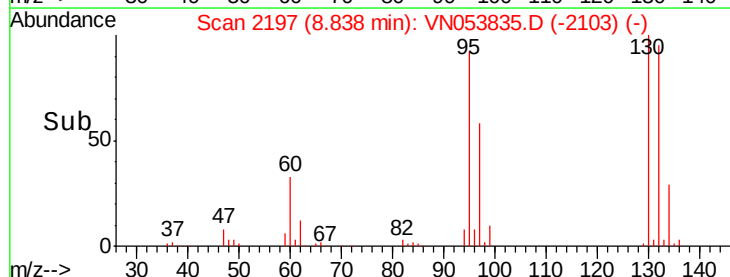
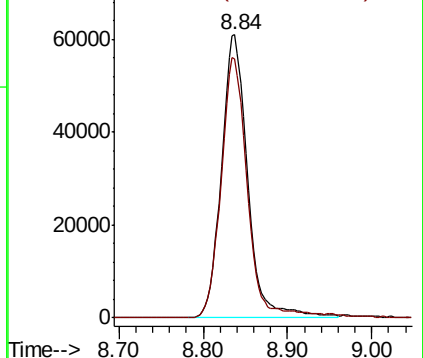
130 100

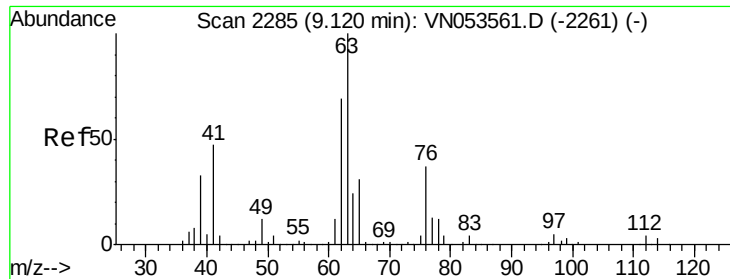
95 91.5 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053835.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN053835.D (-2103) (-)

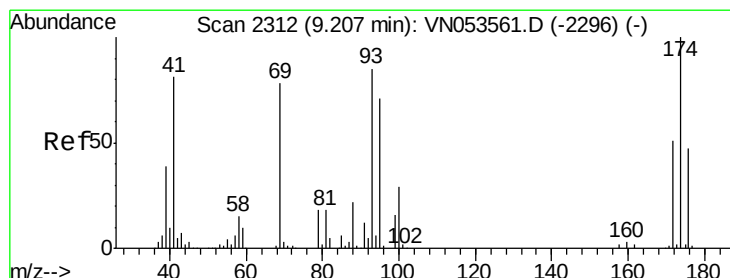
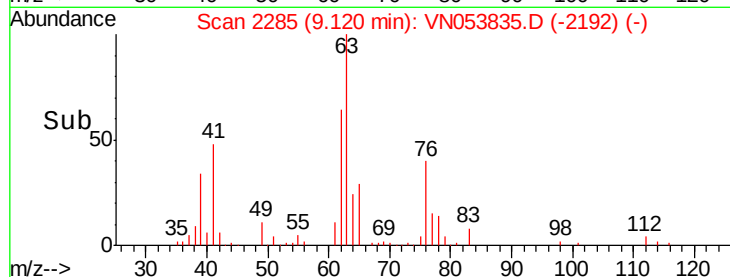
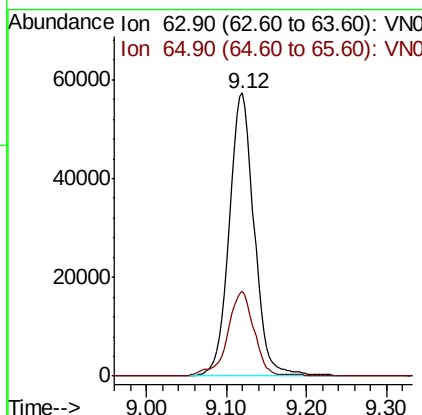
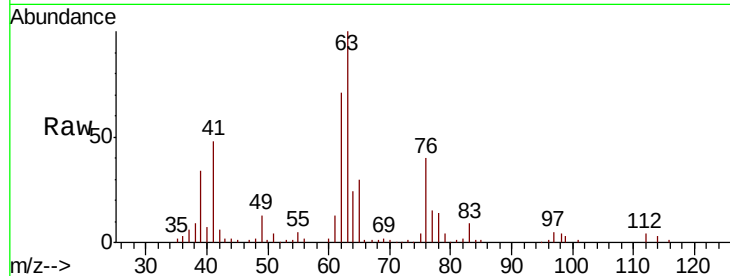




#45
 1,2-Dichloropropane
 Concen: 18.709 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

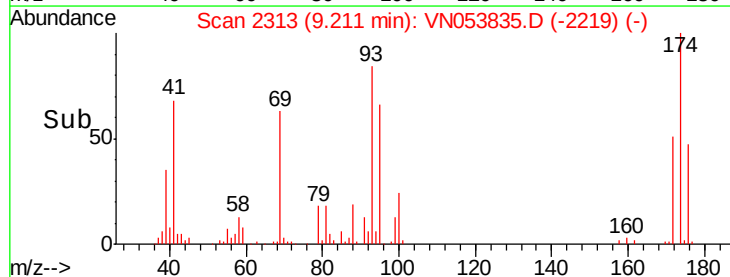
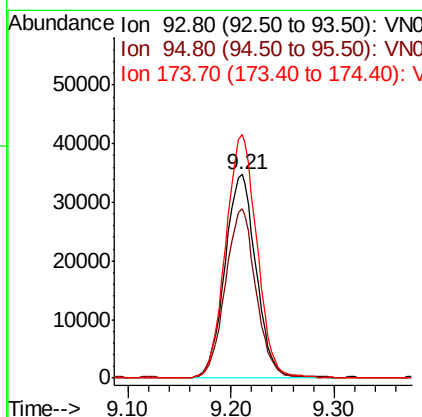
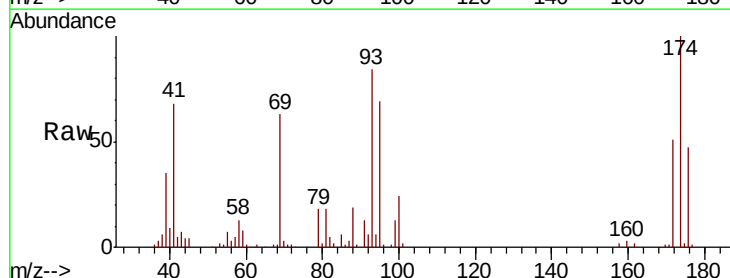
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBSD01

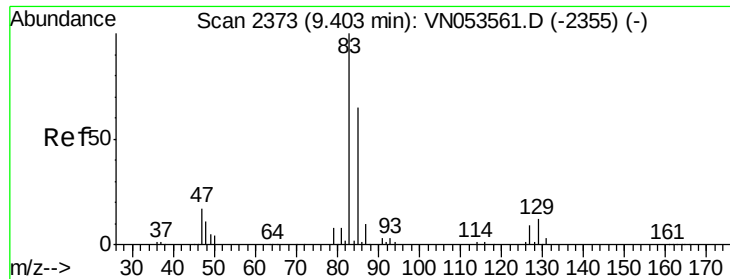
Tgt Ion: 63 Resp: 122730
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.4



#46
 Dibromomethane
 Concen: 18.525 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

Tgt Ion: 93 Resp: 73257
 Ion Ratio Lower Upper
 93 100
 95 81.3 67.3 100.9
 174 119.4 91.0 136.4

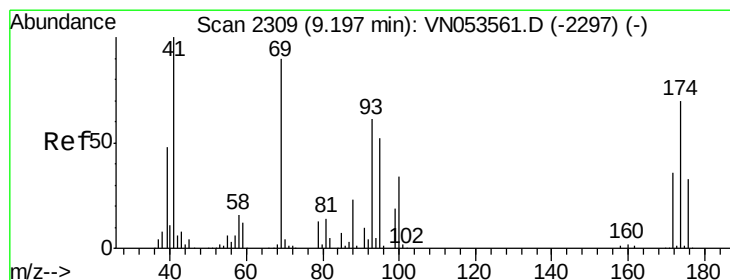
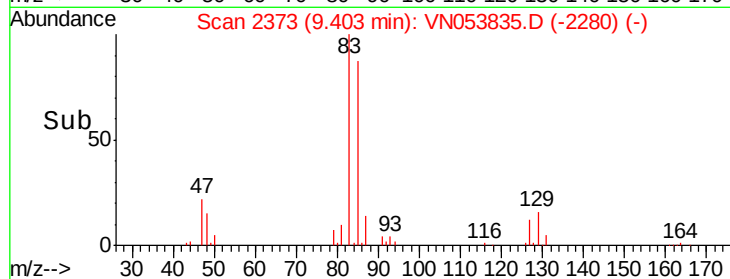
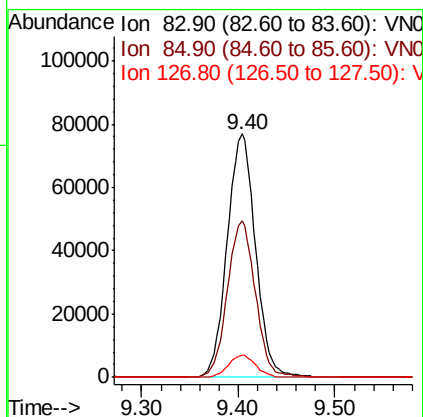
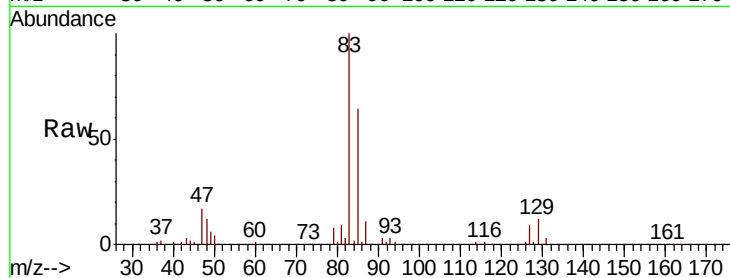




#47
Bromodichloromethane
Concen: 19.075 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

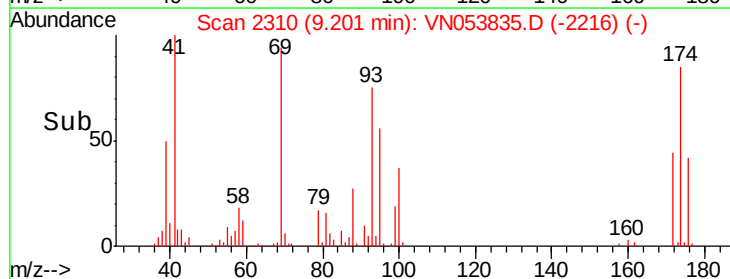
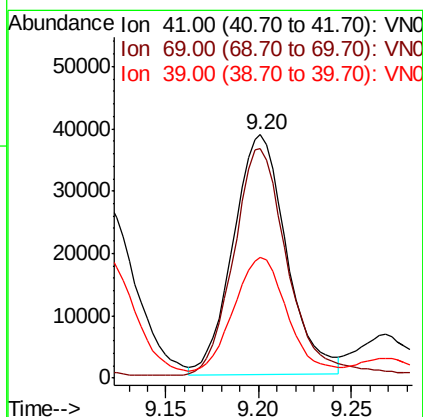
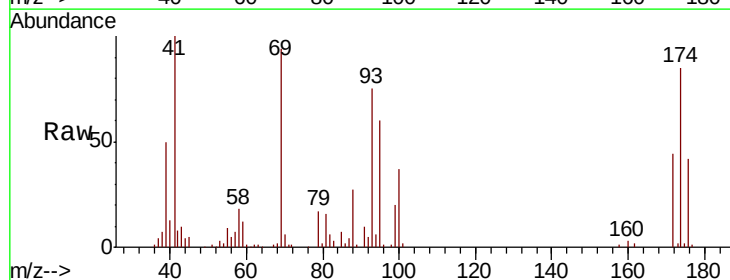
Instrument :
MSVOA_N
ClientSampleId :
VN0218WBSD01

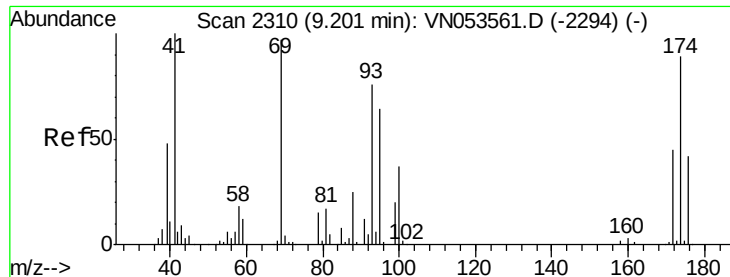
Tgt Ion: 83 Resp: 156838
Ion Ratio Lower Upper
83 100
85 64.4 51.0 76.6
127 9.2 7.0 10.6



#48
Methyl methacrylate
Concen: 18.111 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion: 41 Resp: 77555
Ion Ratio Lower Upper
41 100
69 96.3 73.8 110.6
39 51.6 40.0 60.0

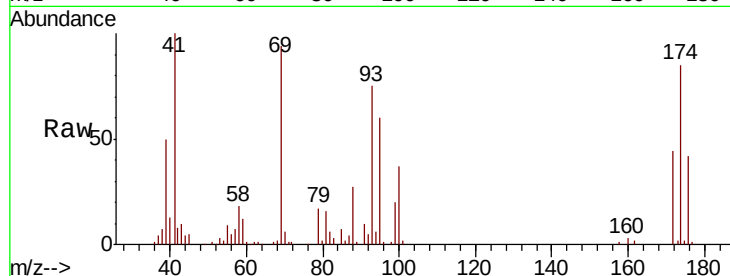




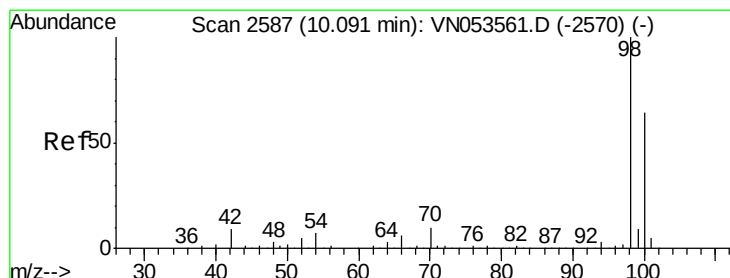
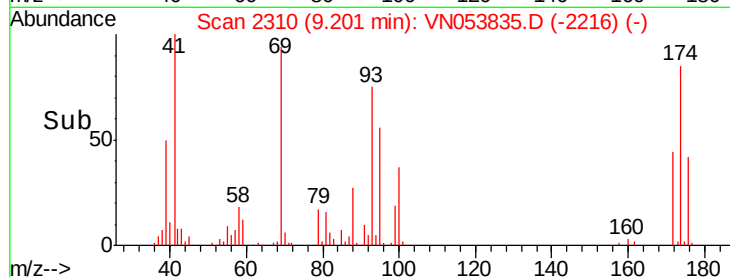
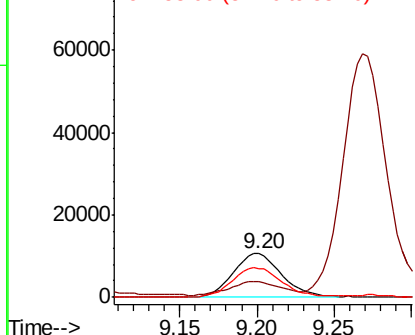
#49
1,4-Dioxane
Concen: 397.296 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBSD01

Tgt Ion: 88 Resp: 23130
Ion Ratio Lower Upper
88 100
43 31.3 27.8 41.6
58 69.3 56.5 84.7

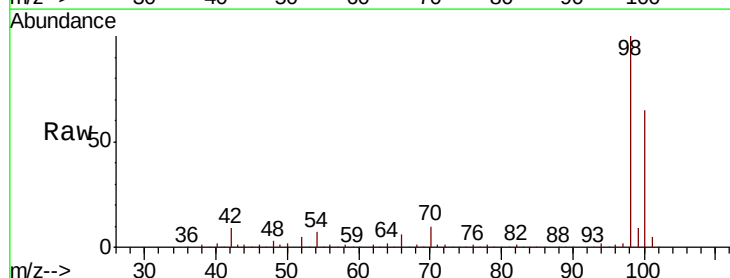


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

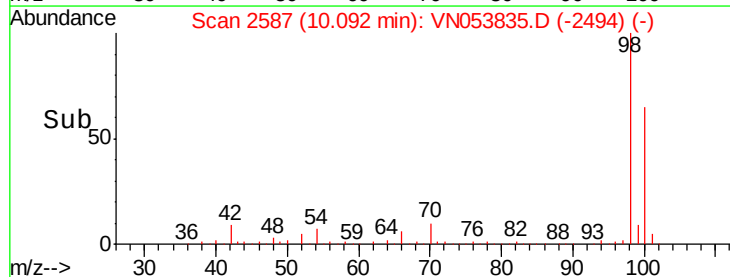
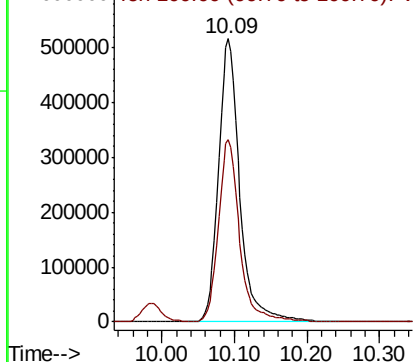


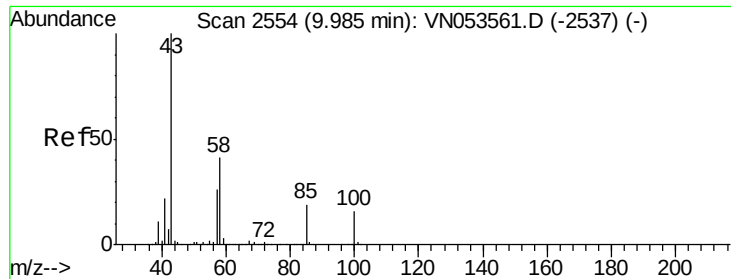
#50
Toluene-d8
Concen: 47.746 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion: 98 Resp: 1045186
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

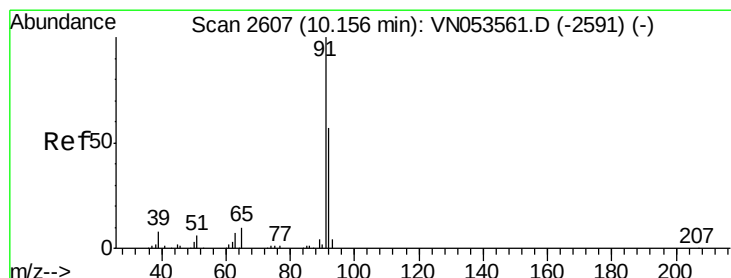
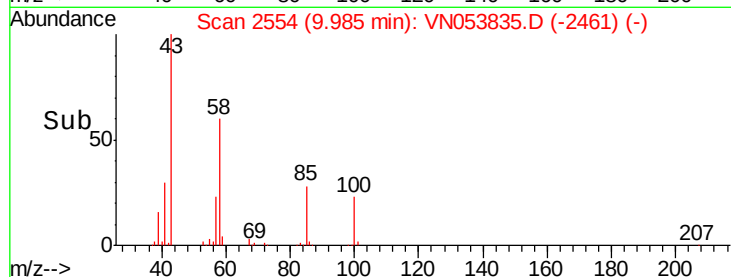
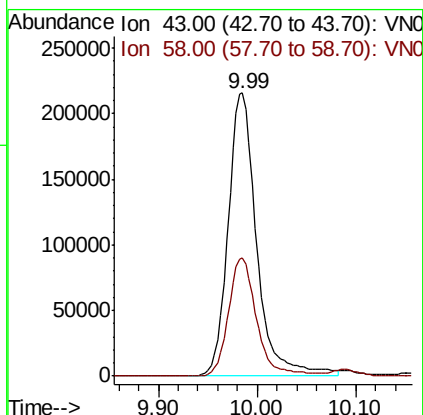
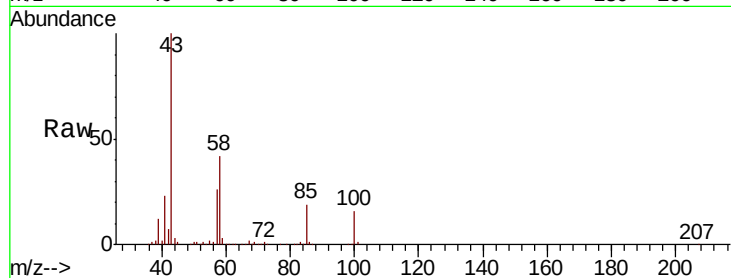




#51
 4-Methyl-2-Pentanone
 Concen: 98.403 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

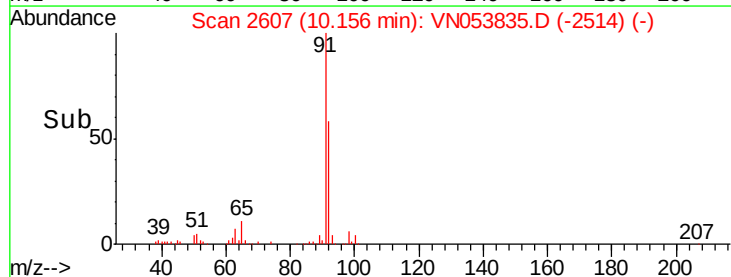
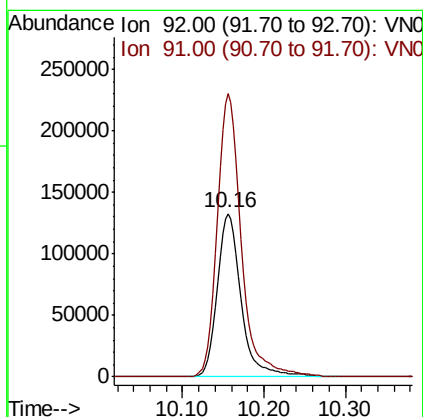
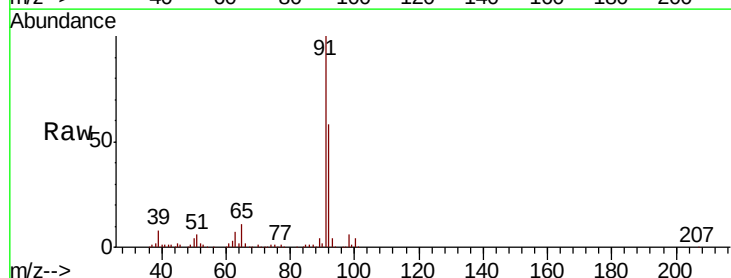
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBSD01

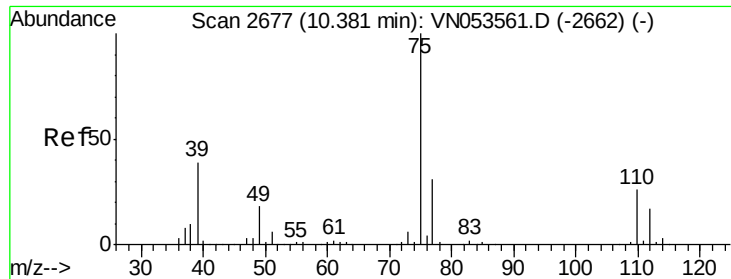
Tgt Ion: 43 Resp: 433791
 Ion Ratio Lower Upper
 43 100
 58 41.7 32.8 49.2



#52
 Toluene
 Concen: 18.127 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

Tgt Ion: 92 Resp: 275930
 Ion Ratio Lower Upper
 92 100
 91 174.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 18.416 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

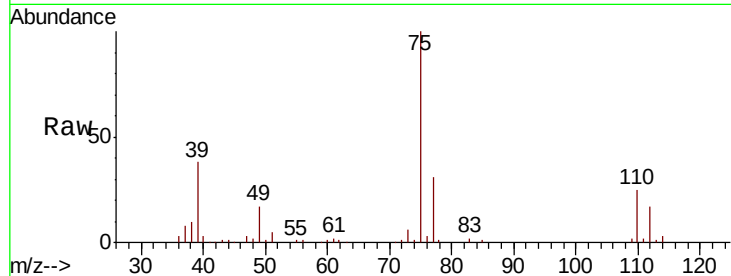
VN0218WBSD01

Tgt Ion: 75 Resp: 151623

Ion Ratio Lower Upper

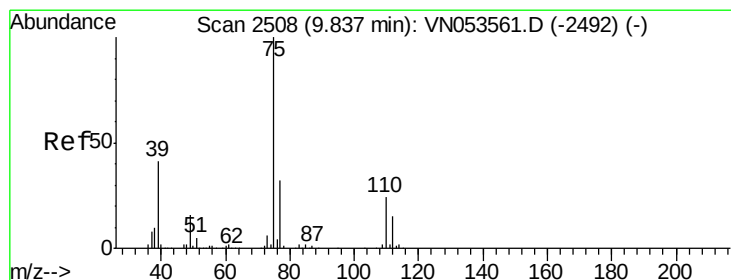
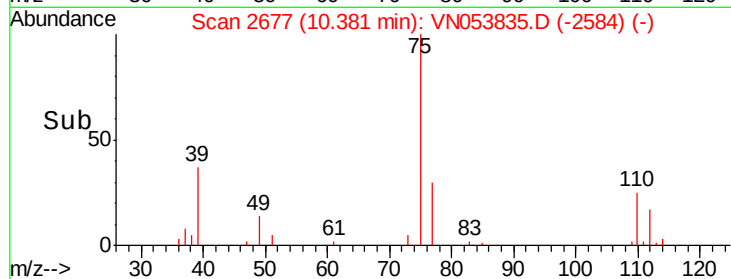
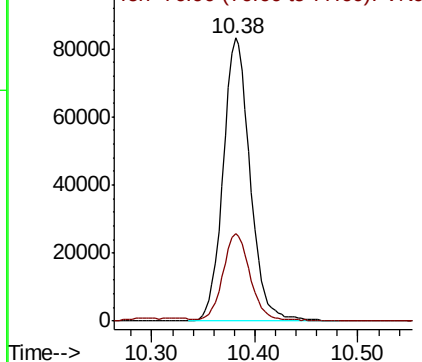
75 100

77 30.6 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.170 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

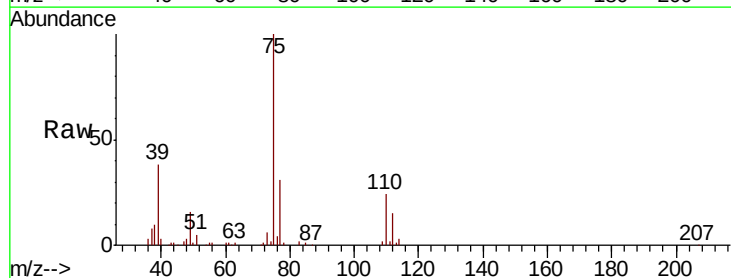
Tgt Ion: 75 Resp: 177270

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6

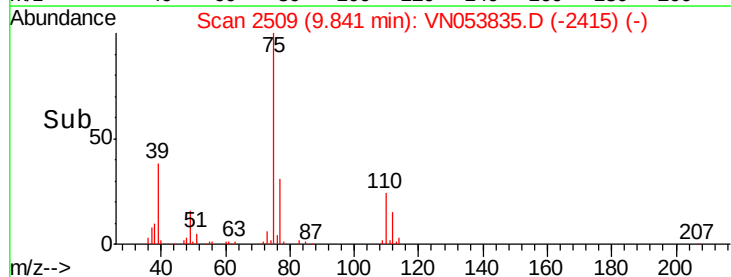
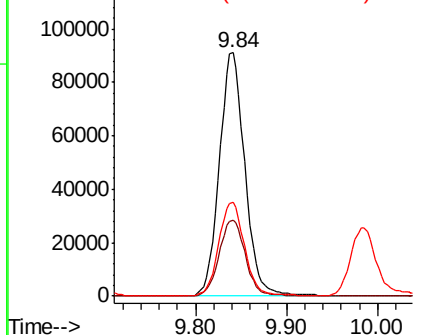
39 38.3 33.4 50.0

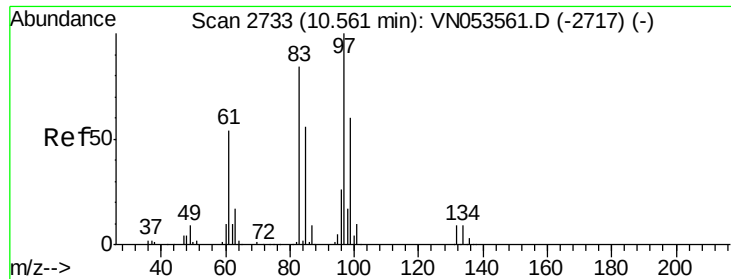


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.440 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VN0218WBSD01

Tgt Ion: 97 Resp: 106628

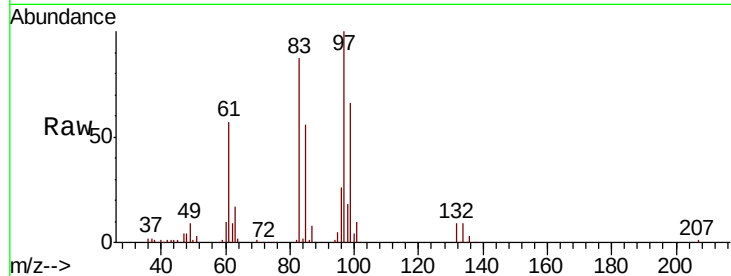
Ion Ratio Lower Upper

97 100

83 87.3 70.1 105.1

85 55.8 45.4 68.0

99 65.7 49.8 74.8

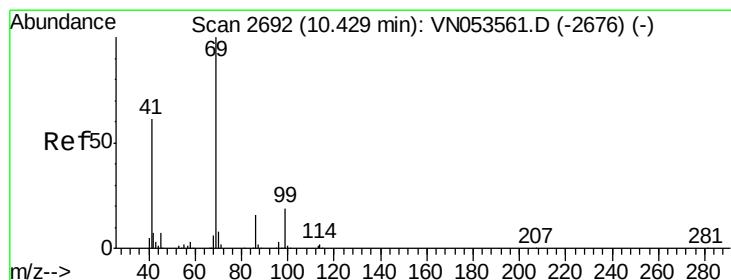
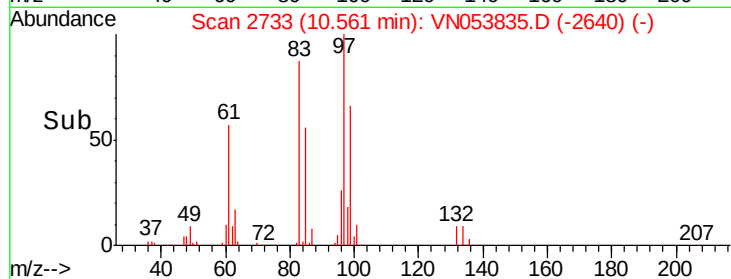
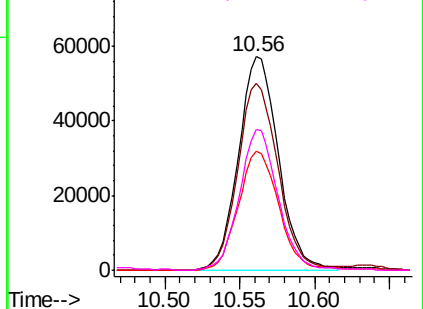


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.533 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

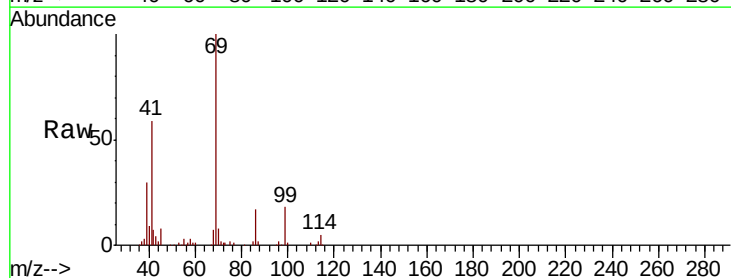
Tgt Ion: 69 Resp: 120261

Ion Ratio Lower Upper

69 100

41 59.3 49.4 74.0

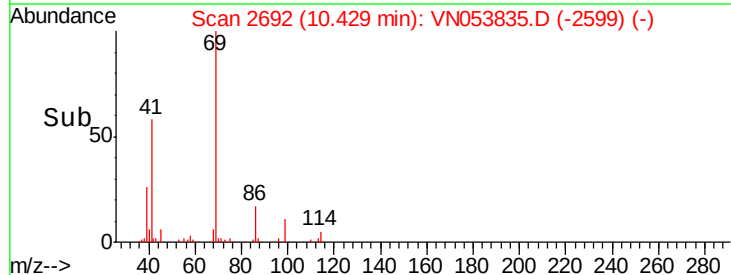
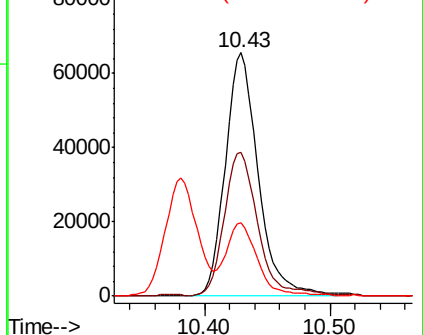
39 29.3 23.3 34.9

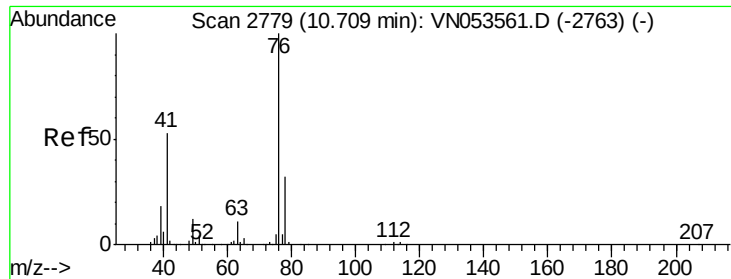


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 18.565 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

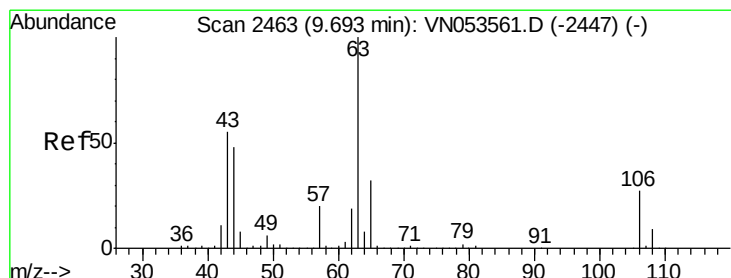
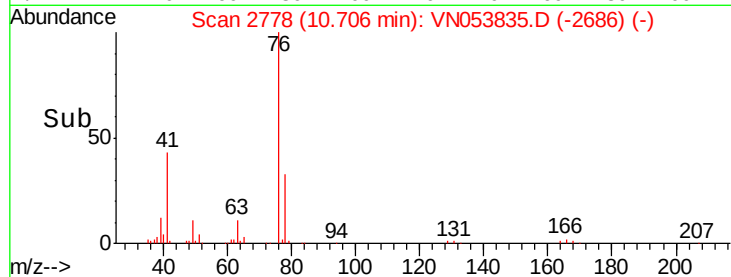
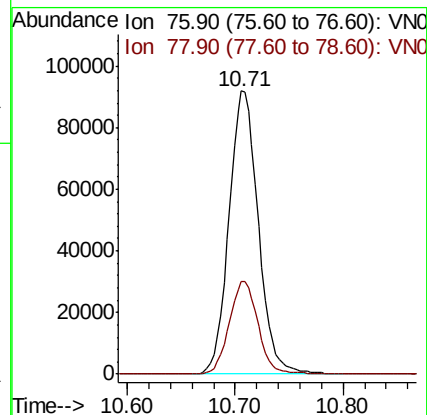
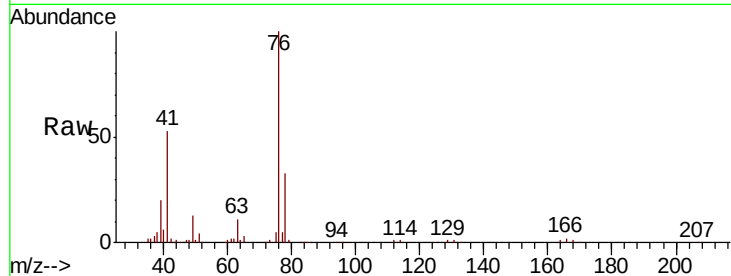
VN0218WBSD01

Tgt Ion: 76 Resp: 174031

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 73.392 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053835.D

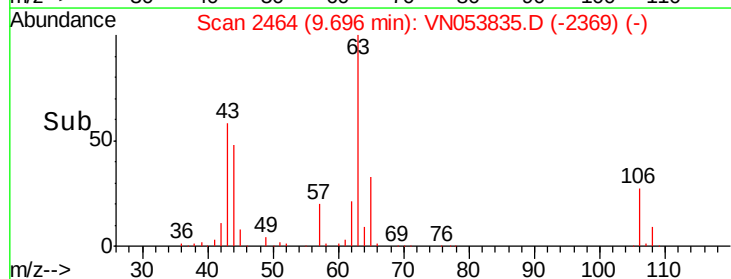
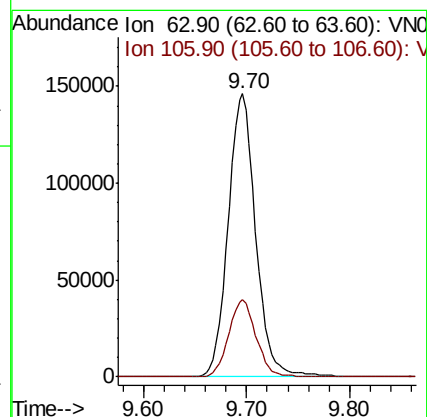
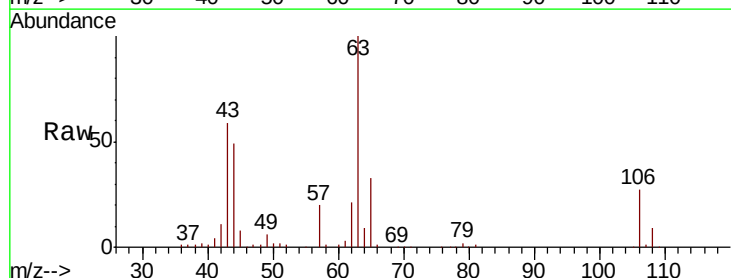
Acq: 18 Feb 2019 11:37

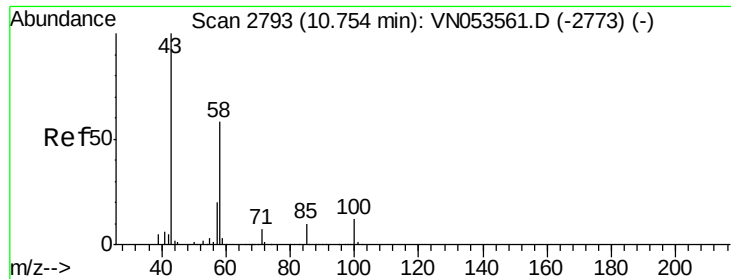
Tgt Ion: 63 Resp: 271828

Ion Ratio Lower Upper

63 100

106 27.2 21.5 32.3

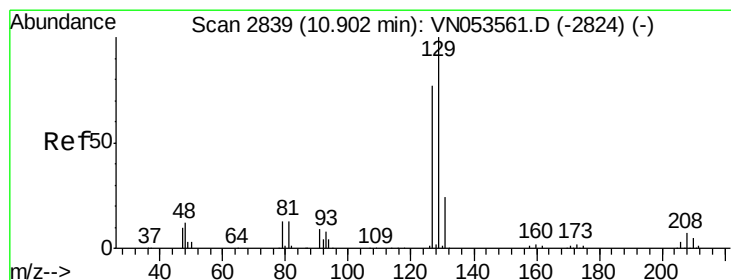
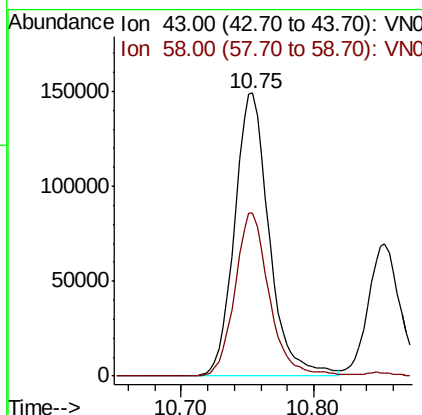
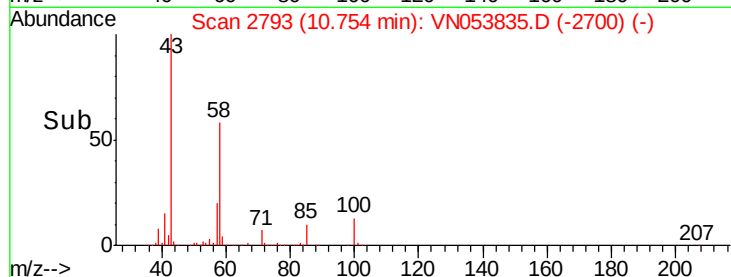
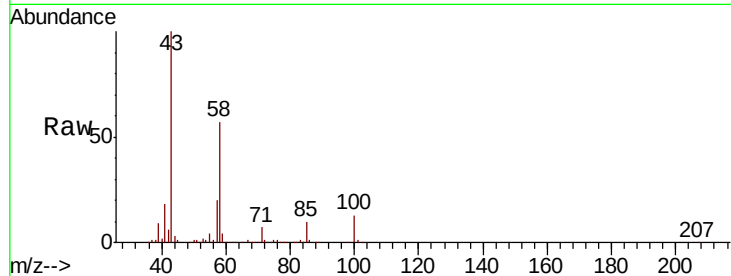




#59
2-Hexanone
Concen: 89.748 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

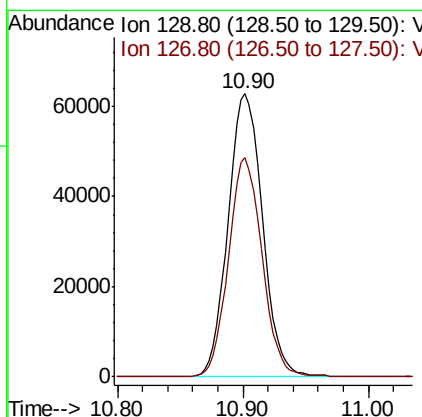
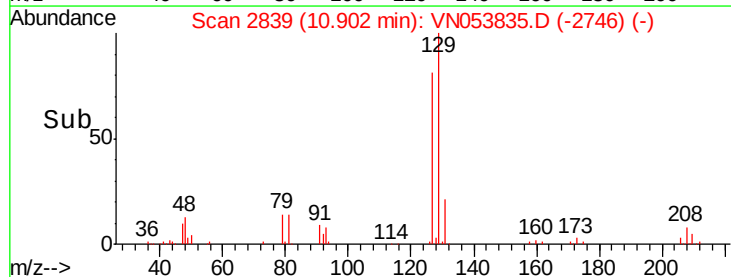
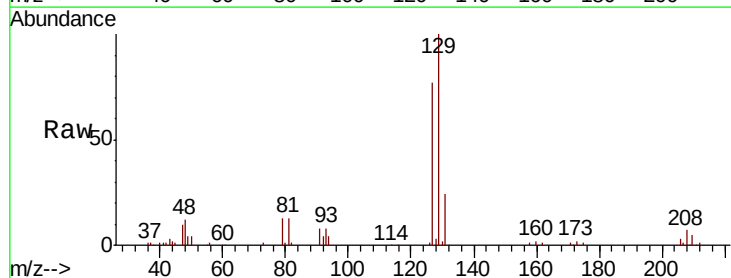
Instrument :
MSVOA_N
ClientSampleId :
VN0218WBSD01

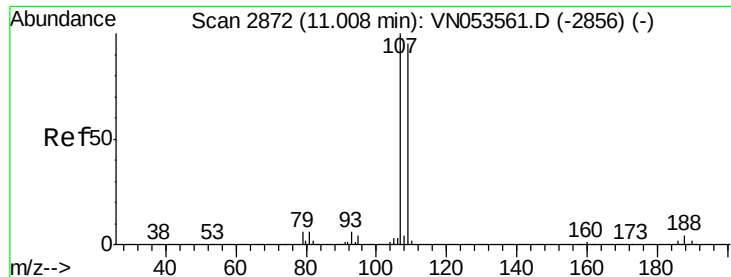
Tgt Ion: 43 Resp: 268584
Ion Ratio Lower Upper
43 100
58 57.7 28.6 85.8



#60
Dibromochloromethane
Concen: 19.451 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion: 129 Resp: 120311
Ion Ratio Lower Upper
129 100
127 75.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 18.587 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

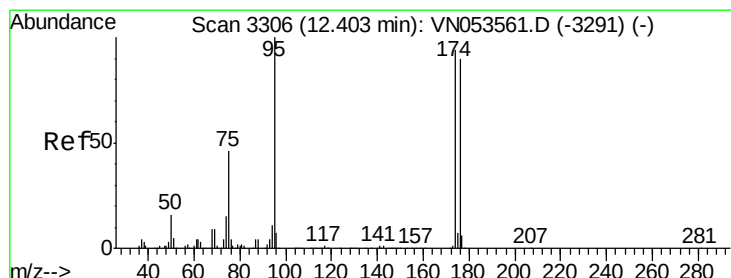
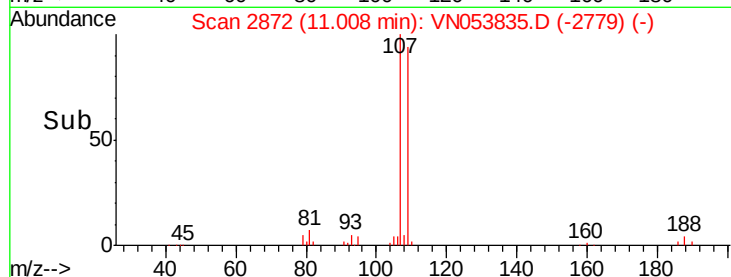
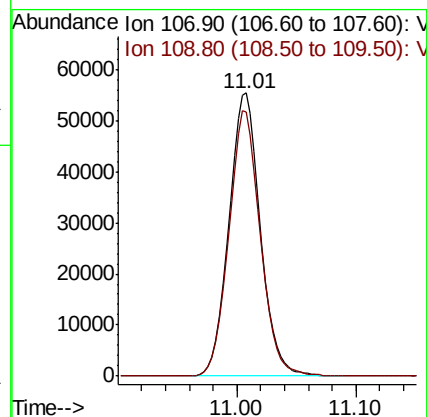
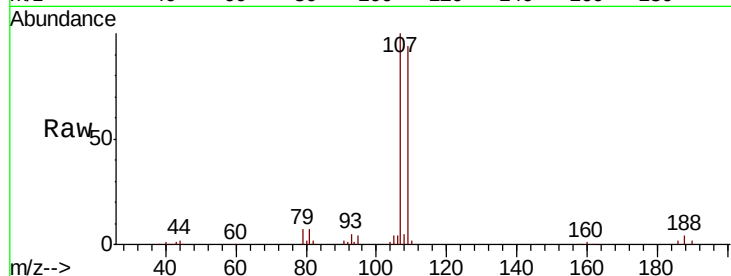
VN0218WBSD01

Tgt Ion: 107 Resp: 100909

Ion Ratio Lower Upper

107 100

109 94.2 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 46.990 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

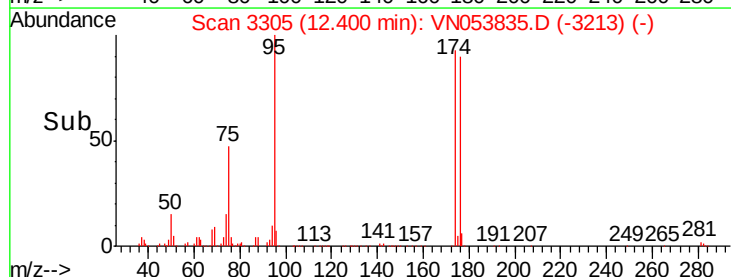
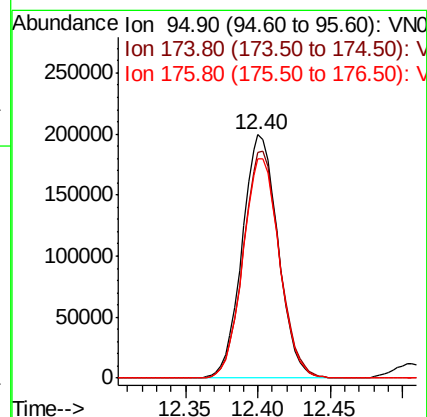
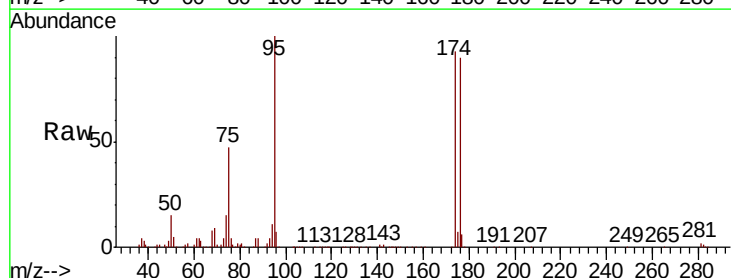
Tgt Ion: 95 Resp: 343068

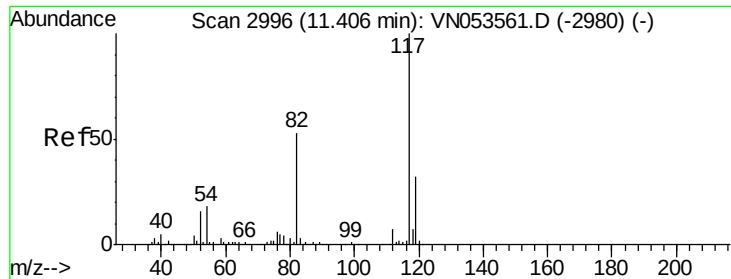
Ion Ratio Lower Upper

95 100

174 93.9 0.0 183.2

176 91.6 0.0 177.4

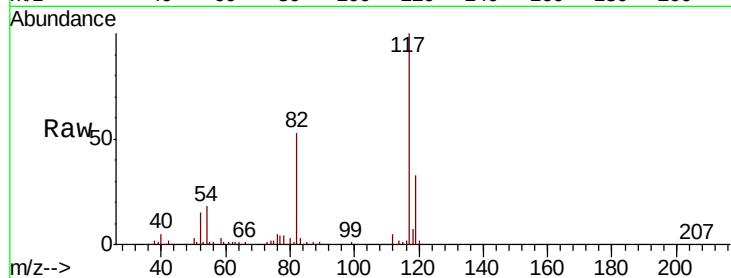




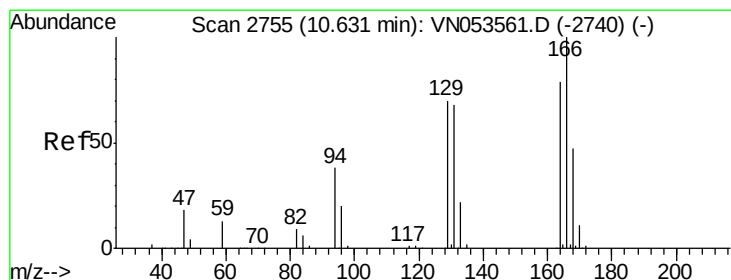
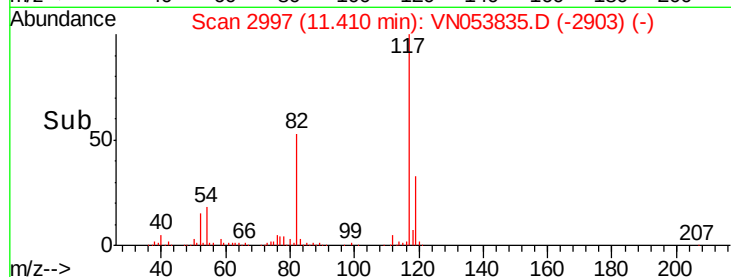
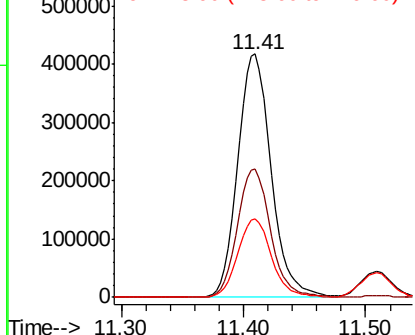
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBSD01

Tgt Ion:117 Resp: 789067
Ion Ratio Lower Upper
117 100
82 52.7 42.9 64.3
119 32.5 26.0 39.0

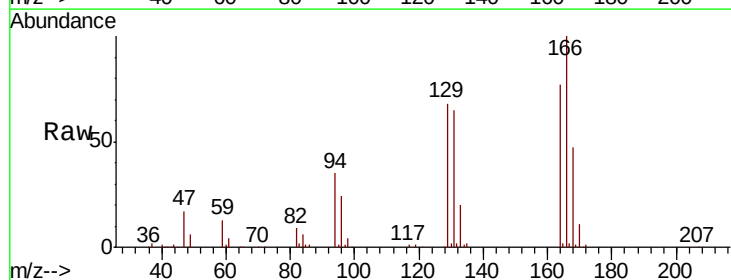


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

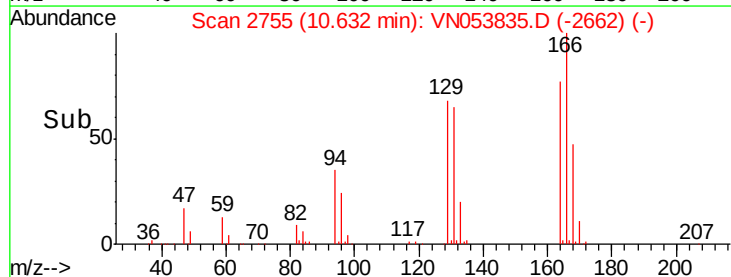
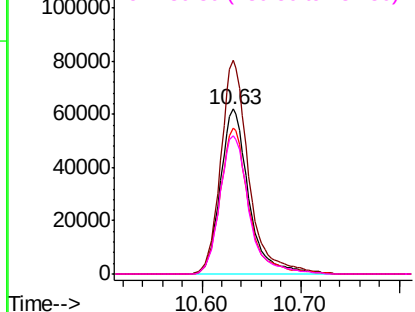


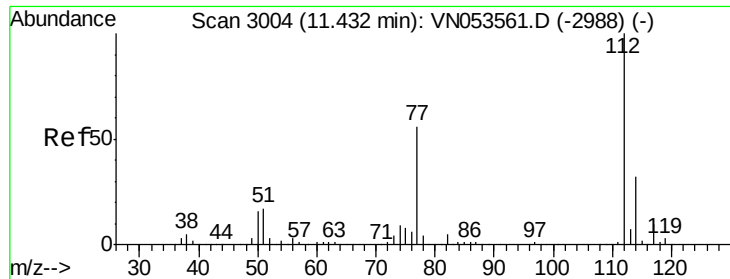
#64
Tetrachloroethene
Concen: 18.466 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion:164 Resp: 124903
Ion Ratio Lower Upper
164 100
166 129.5 102.2 153.4
129 88.5 72.6 109.0
131 84.1 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

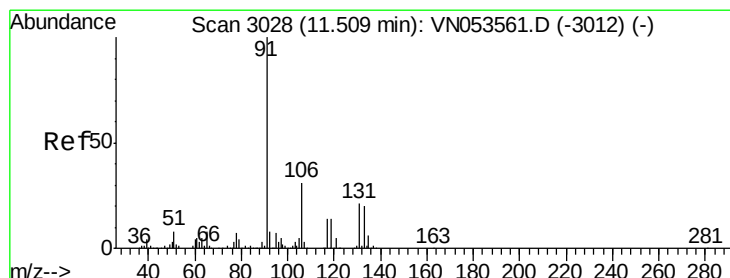
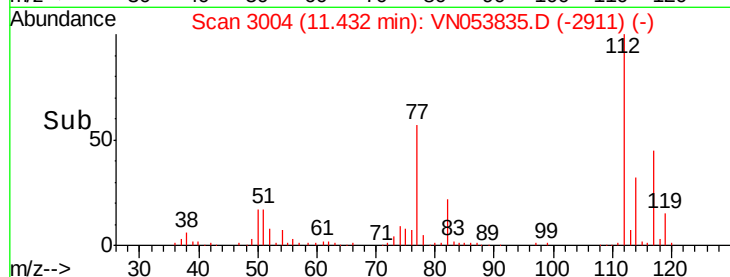
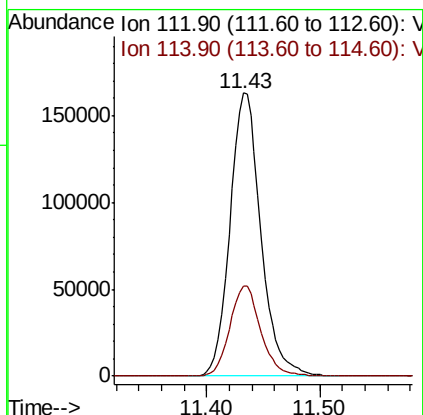
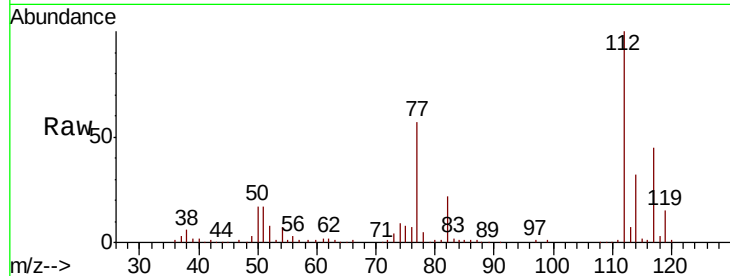




#65
Chlorobenzene
Concen: 18.455 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

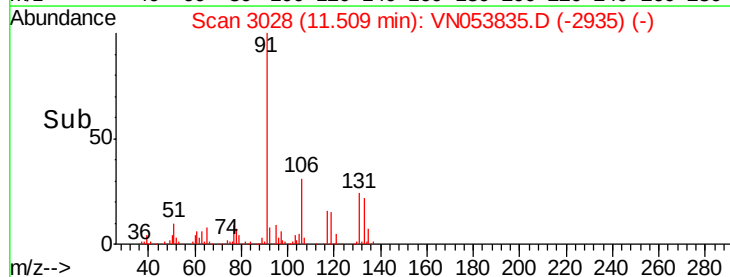
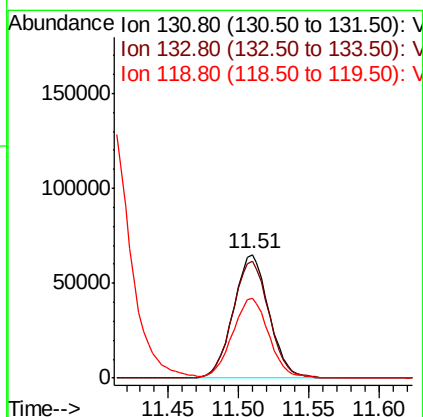
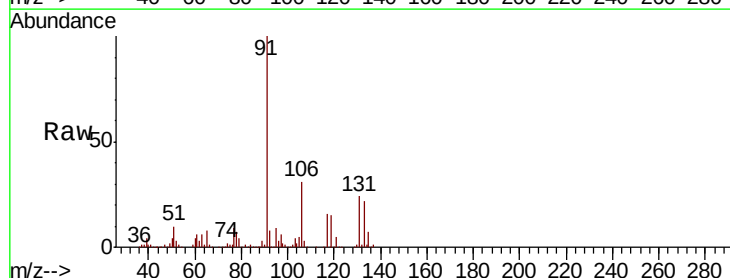
Instrument :
MSVOA_N
ClientSampleId :
VN0218WBSD01

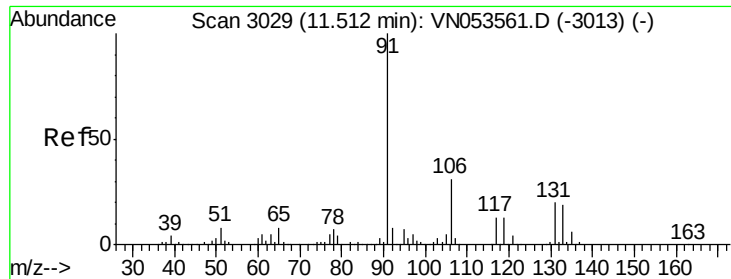
Tgt Ion:112 Resp: 309321
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.734 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion:131 Resp: 115514
Ion Ratio Lower Upper
131 100
133 96.6 48.0 144.0
119 66.0 33.5 100.5

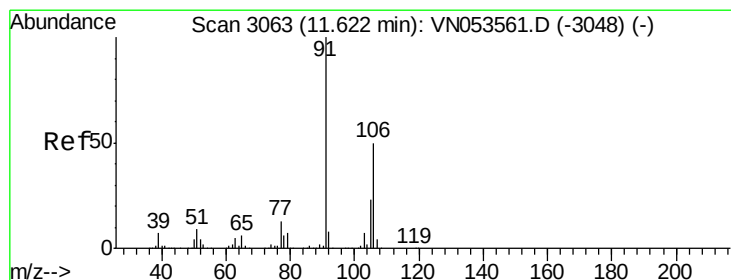
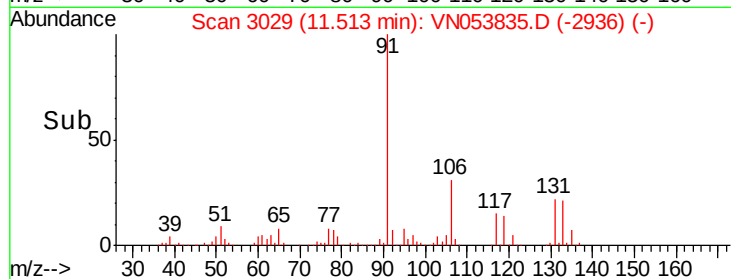
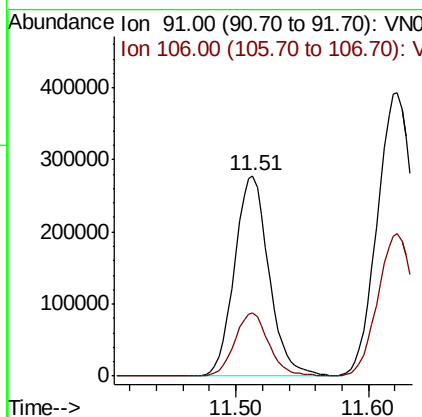
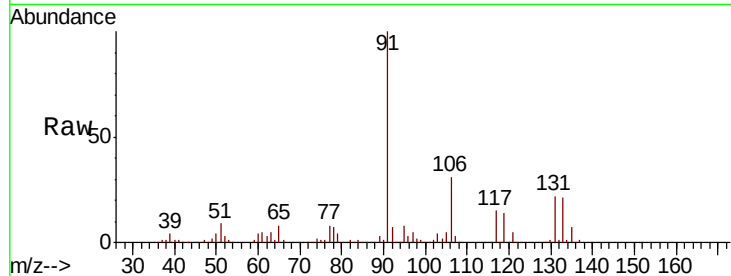




#67
Ethyl Benzene
Concen: 18.158 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

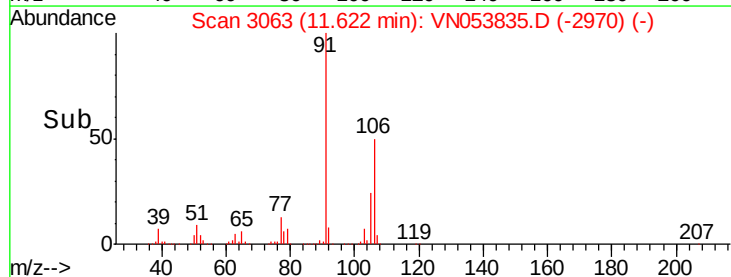
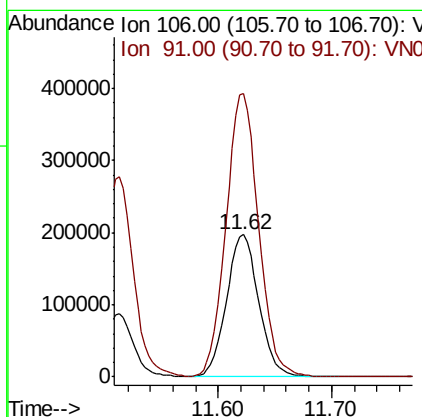
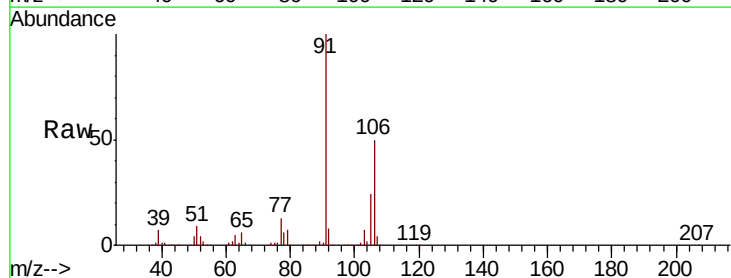
Instrument :
MSVOA_N
ClientSampleId :
VN0218WBSD01

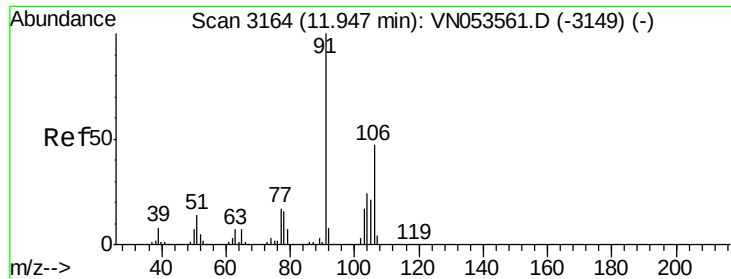
Tgt Ion: 91 Resp: 499932
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6



#68
m/p-Xylenes
Concen: 37.310 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion: 106 Resp: 392061
Ion Ratio Lower Upper
106 100
91 200.3 161.4 242.2

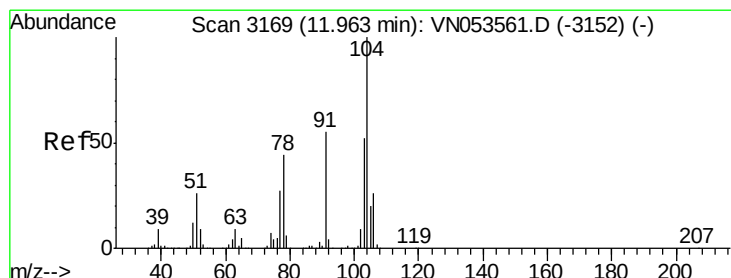
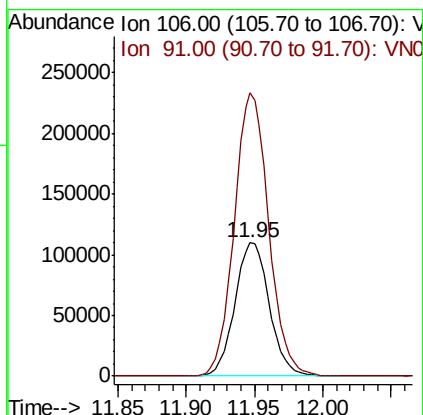
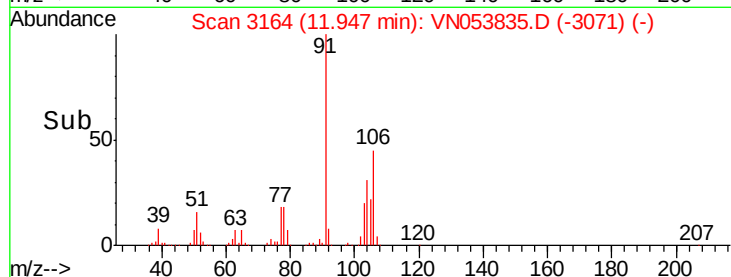
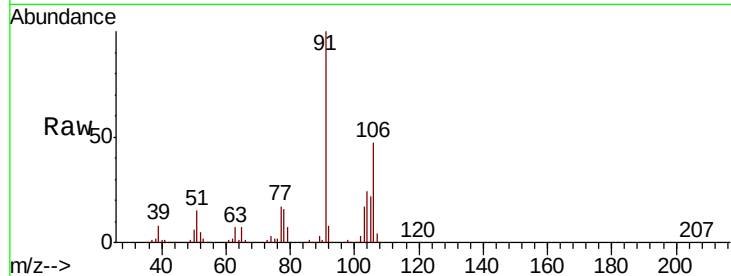




#69
o-Xylene
Concen: 19.010 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

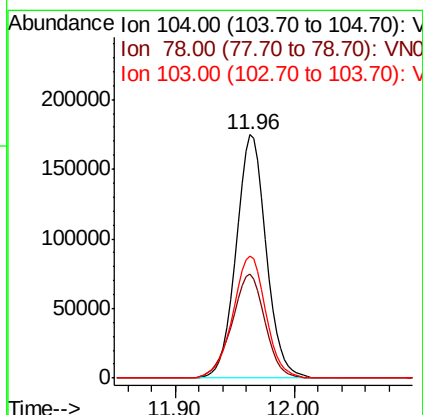
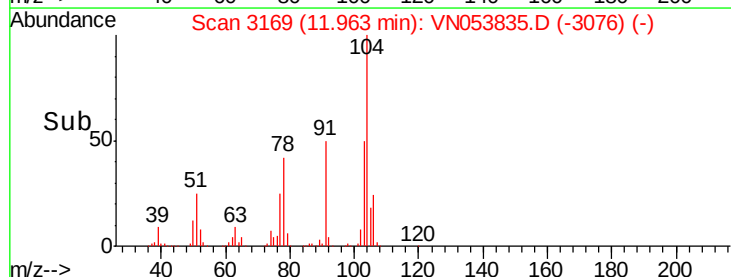
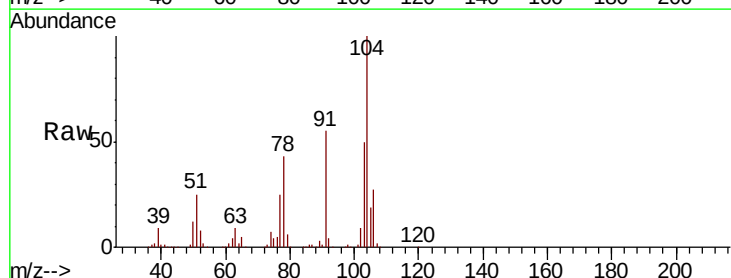
Instrument :
MSVOA_N
ClientSampled :
VN0218WBSD01

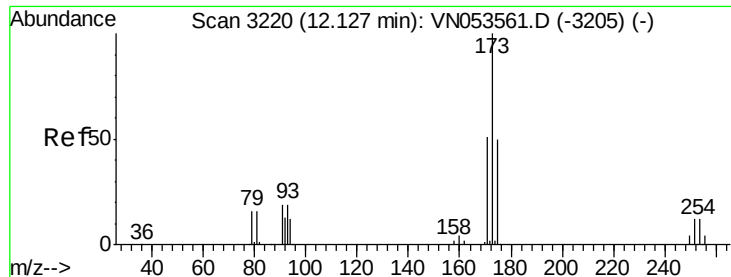
Tgt Ion:106 Resp: 192984
Ion Ratio Lower Upper
106 100
91 211.5 106.9 320.8



#70
Styrene
Concen: 18.568 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion:104 Resp: 305527
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.2
103 55.1 44.4 66.6

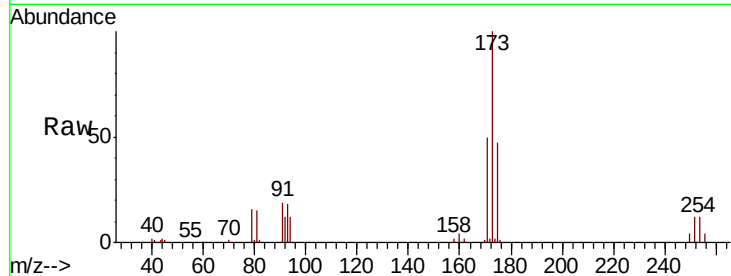




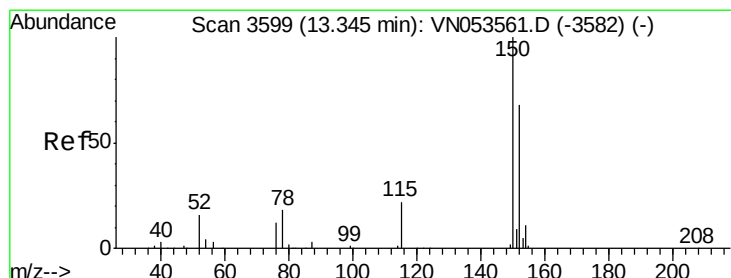
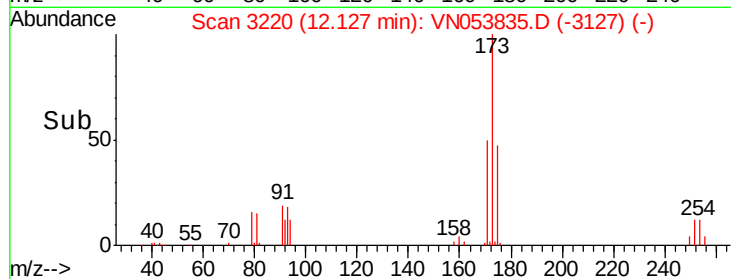
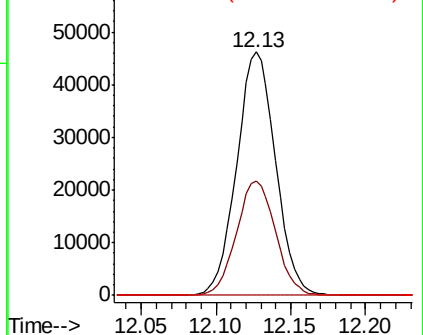
#71
 Bromoform
 Concen: 20.802 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBSD01

Tgt Ion:173 Resp: 83478
 Ion Ratio Lower Upper
 173 100
 175 47.1 24.6 74.0
 254 0.0 0.2 0.2#

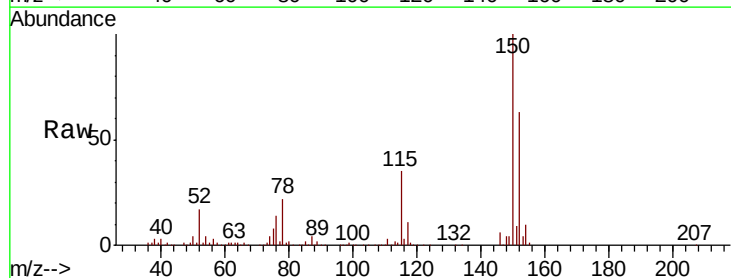


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

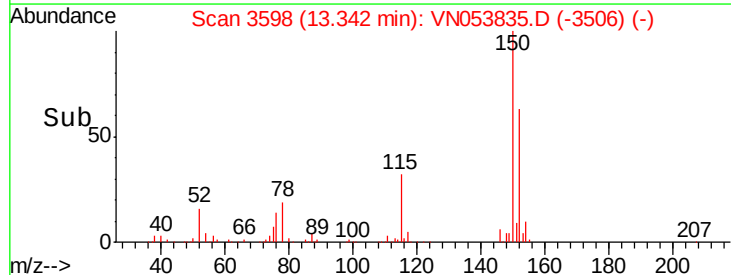
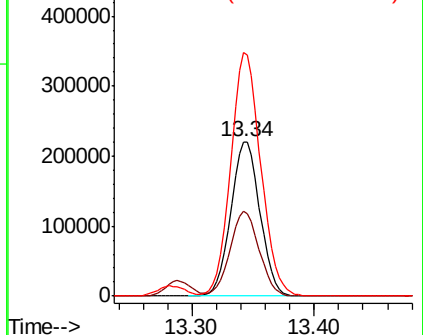


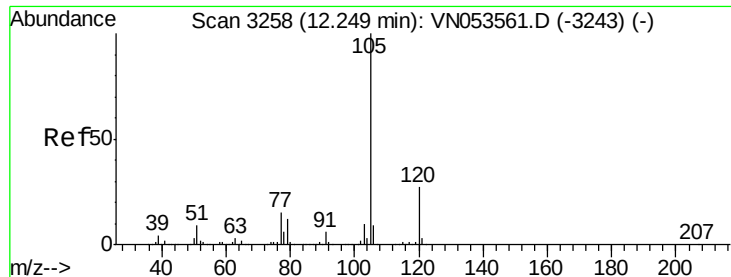
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

Tgt Ion:152 Resp: 366397
 Ion Ratio Lower Upper
 152 100
 115 54.9 27.8 83.4
 150 162.1 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.715 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

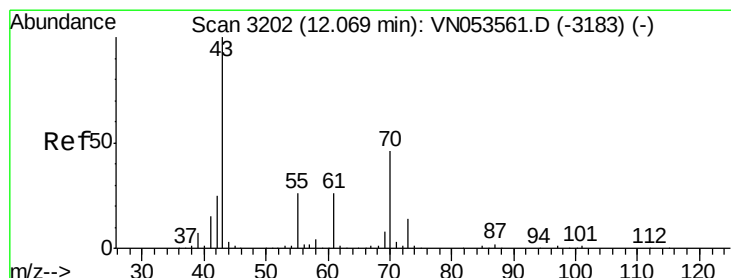
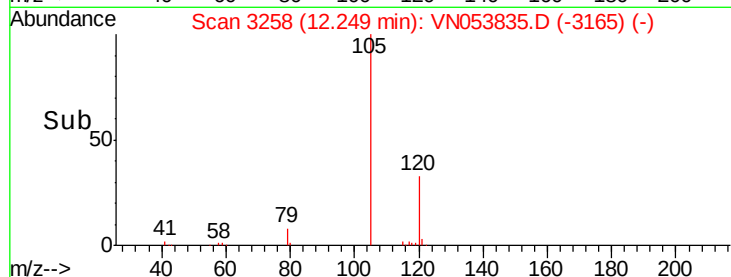
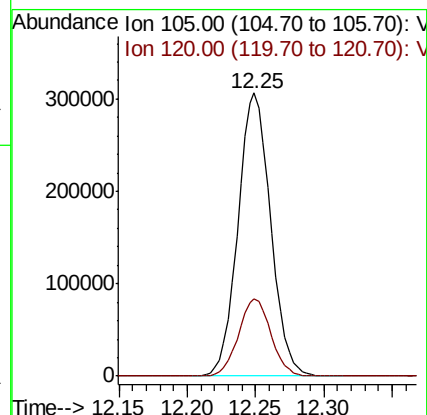
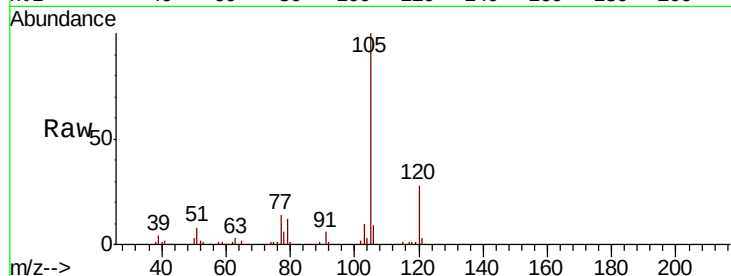
VN0218WBSD01

Tgt Ion: 105 Resp: 507816

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



#74

N-ethyl acetate

Concen: 18.427 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Tgt Ion: 43 Resp: 114130

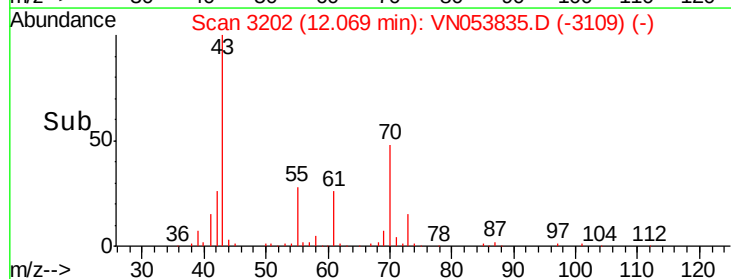
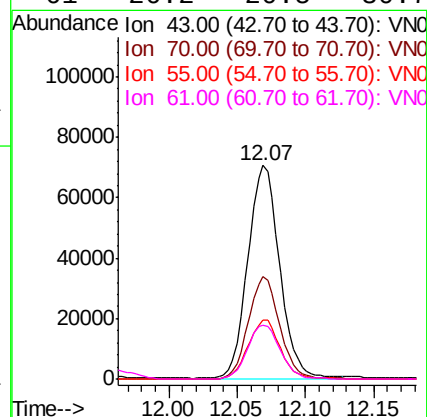
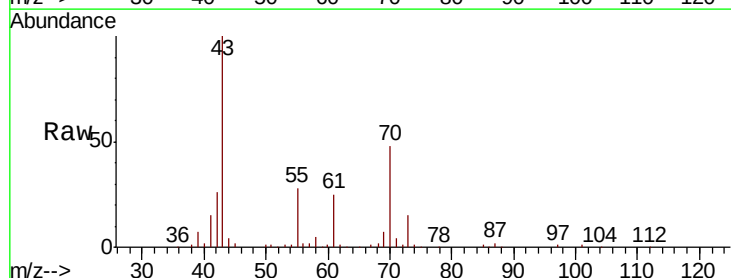
Ion Ratio Lower Upper

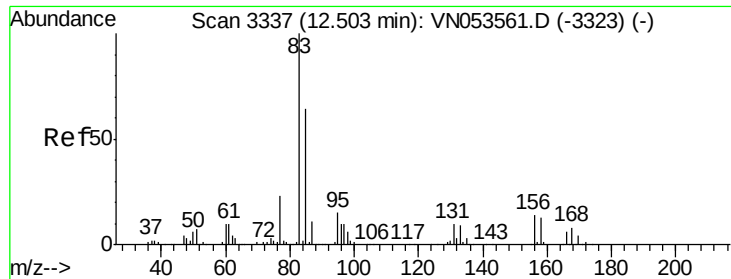
43 100

70 47.1 35.4 53.2

55 28.2 20.9 31.3

61 26.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.073 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBSD01

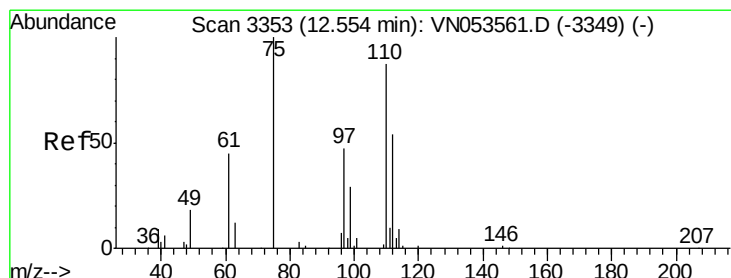
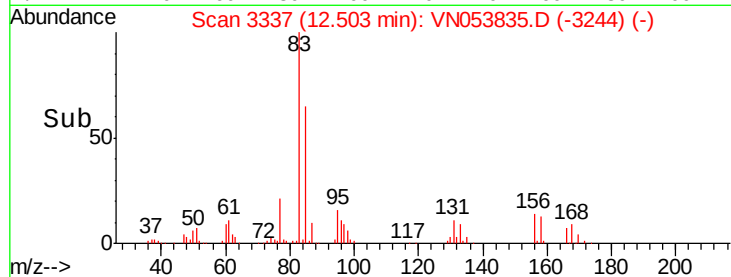
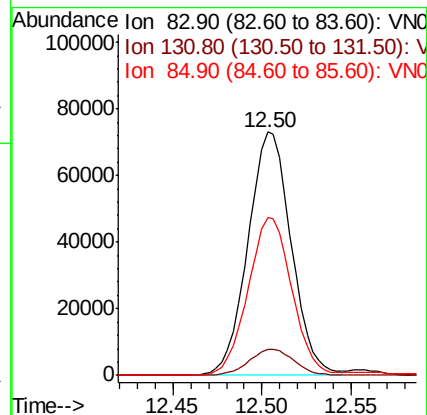
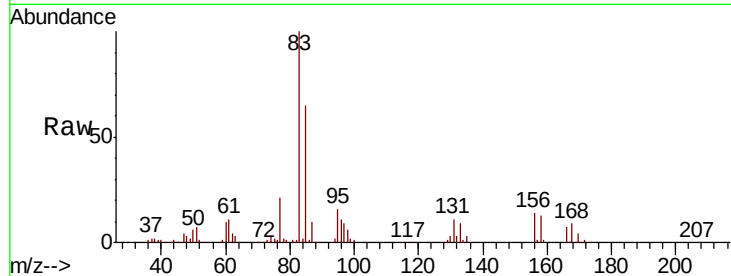
Tgt Ion: 83 Resp: 123739

Ion Ratio Lower Upper

83 100

131 11.1 5.3 15.8

85 65.8 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 31.787 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053835.D

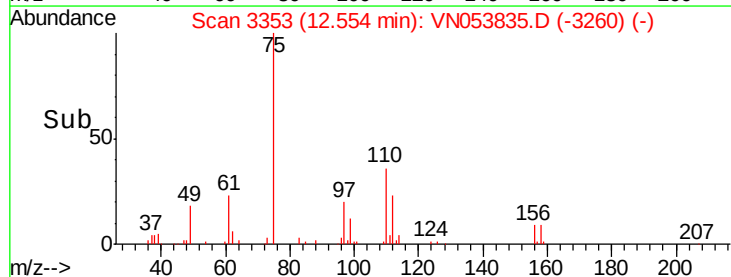
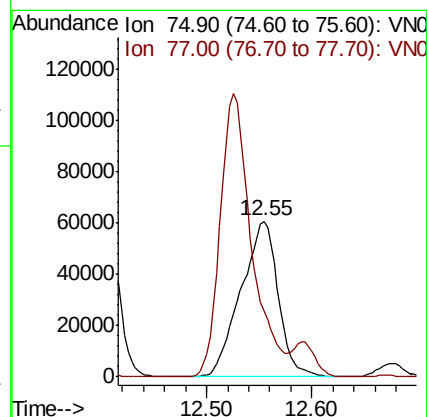
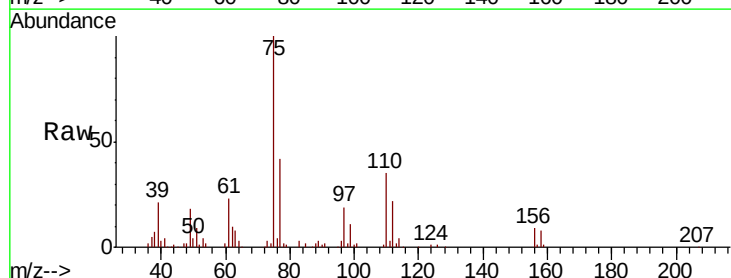
Acq: 18 Feb 2019 11:37

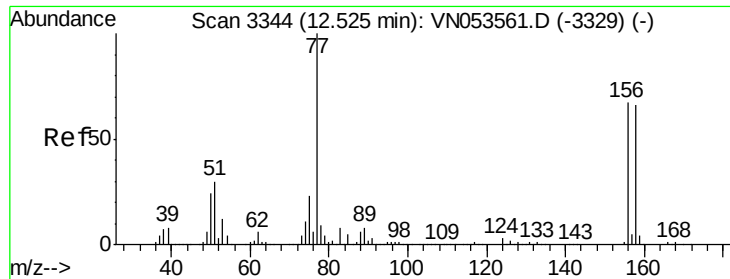
Tgt Ion: 75 Resp: 149594

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.359 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VN0218WBSD01

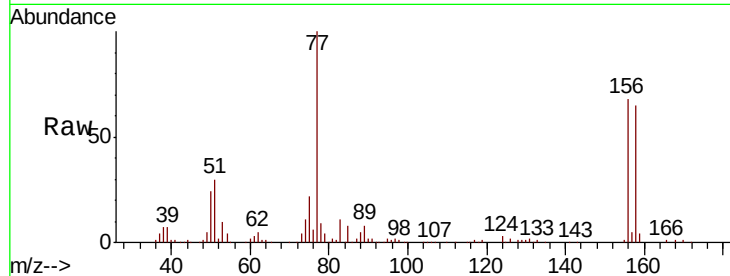
Tgt Ion:156 Resp: 134387

Ion Ratio Lower Upper

156 100

77 170.4 87.9 263.8

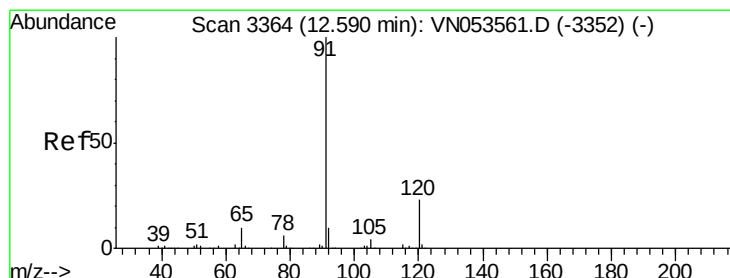
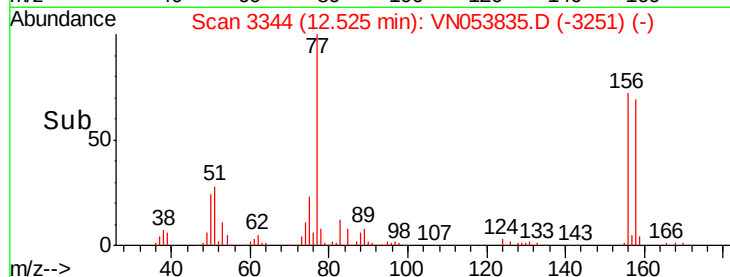
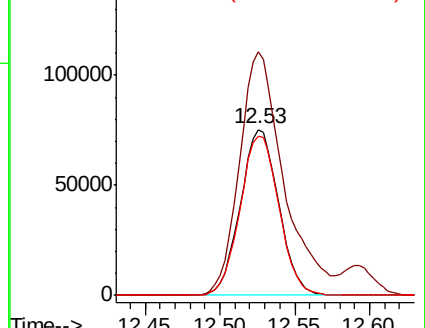
158 97.4 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.040 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053835.D

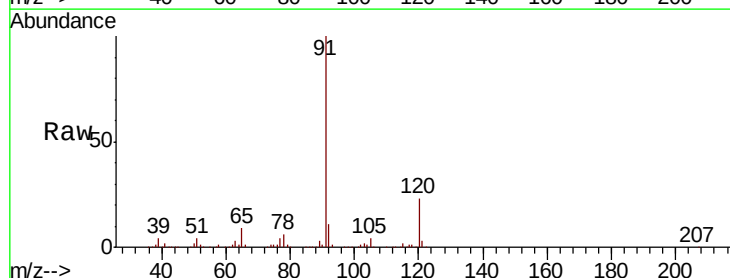
Acq: 18 Feb 2019 11:37

Tgt Ion: 91 Resp: 566931

Ion Ratio Lower Upper

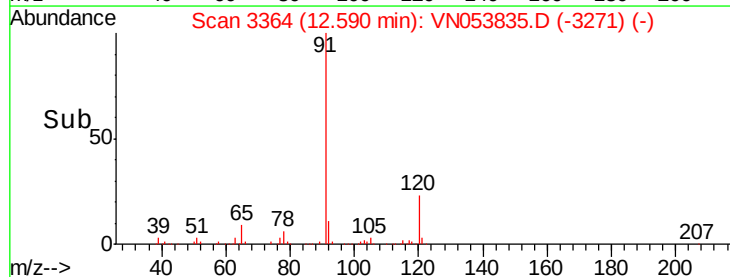
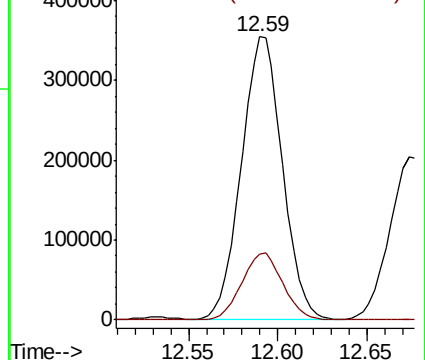
91 100

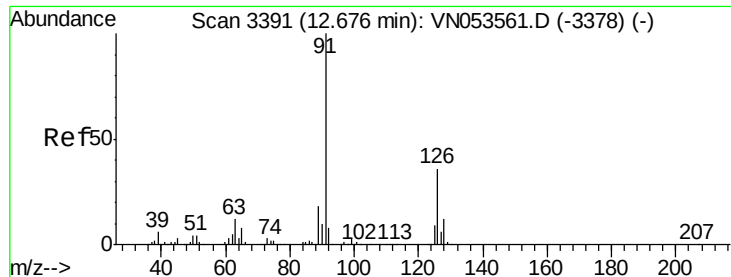
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.472 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

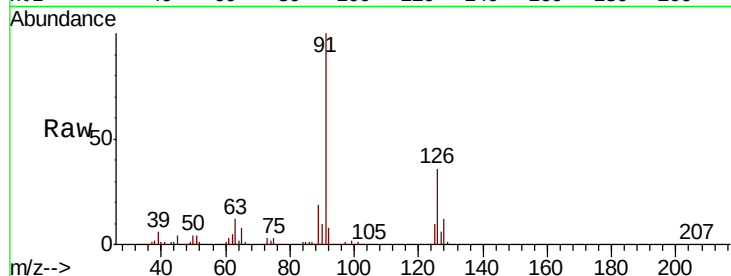
VN0218WBSD01

Tgt Ion: 91 Resp: 343986

Ion Ratio Lower Upper

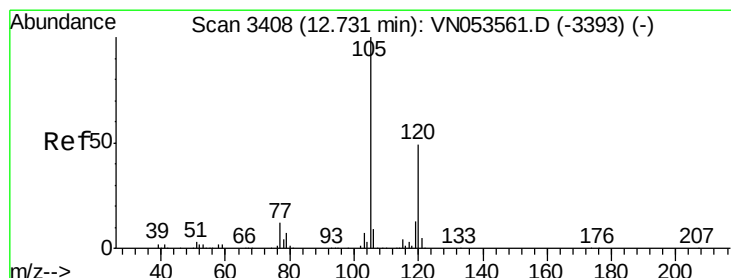
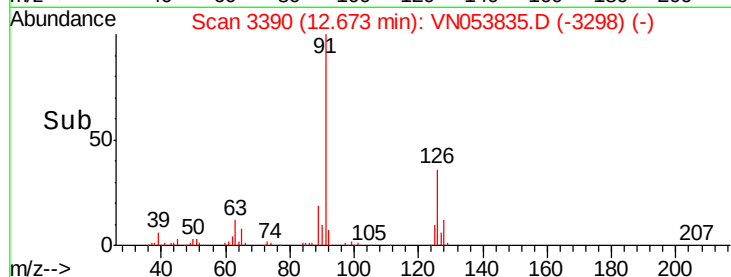
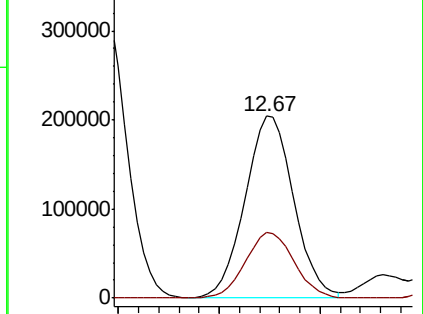
91 100

126 36.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.799 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053835.D

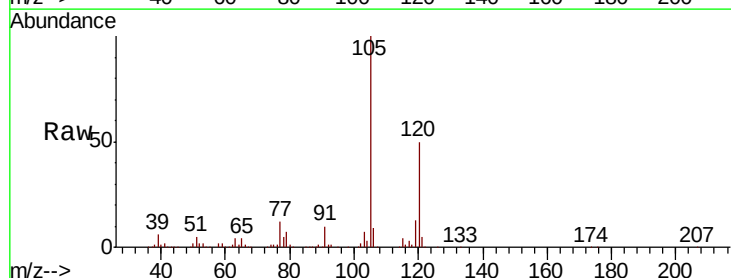
Acq: 18 Feb 2019 11:37

Tgt Ion: 105 Resp: 422887

Ion Ratio Lower Upper

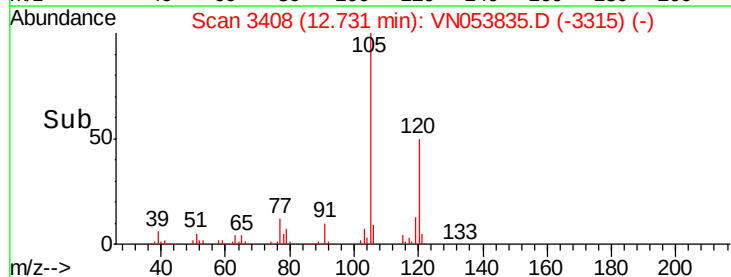
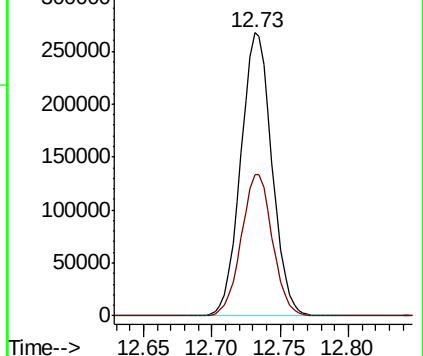
105 100

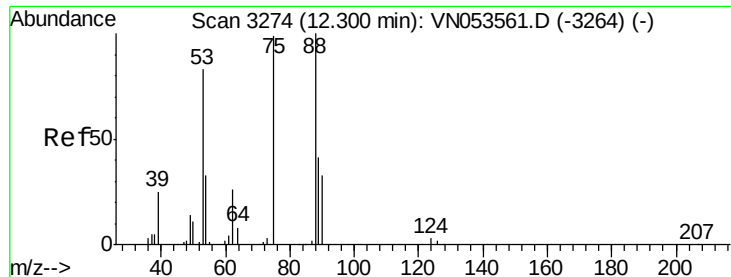
120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.337 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBSD01

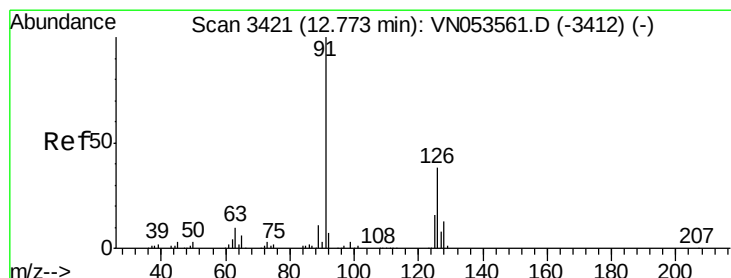
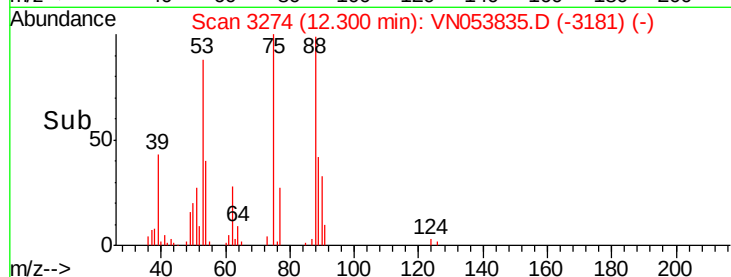
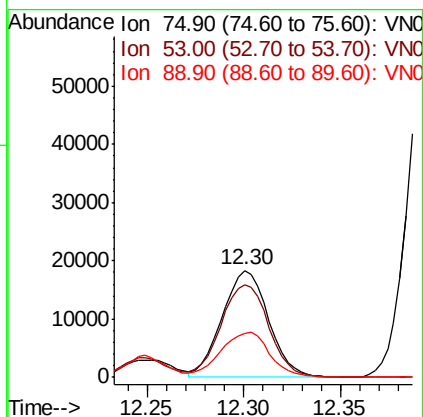
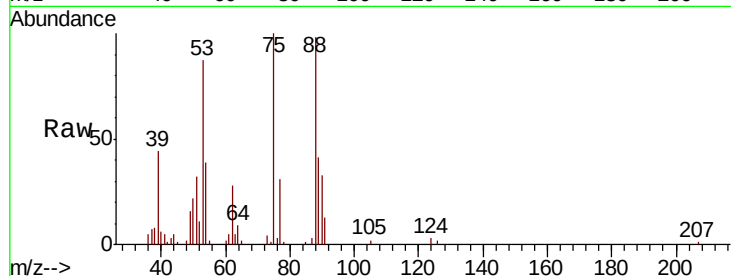
Tgt Ion: 75 Resp: 30690

Ion Ratio Lower Upper

75 100

53 90.2 69.8 104.6

89 44.2 35.6 53.4



#82

4-Chlorotoluene

Concen: 18.663 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053835.D

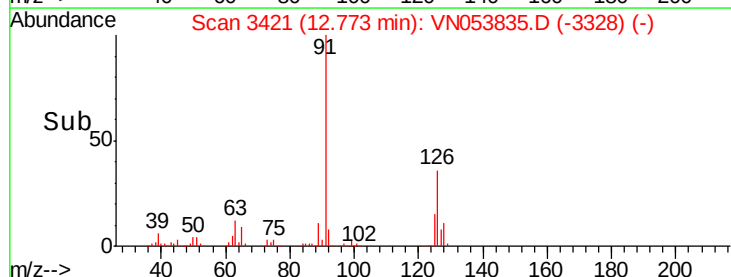
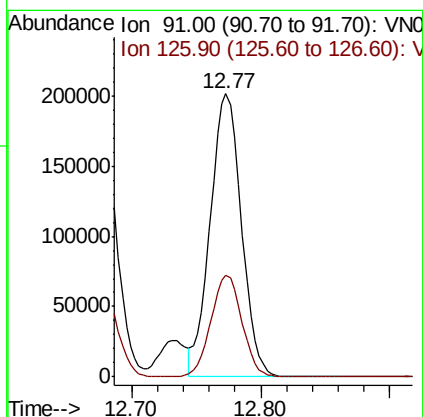
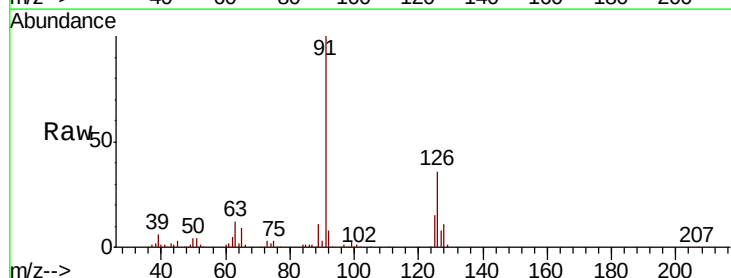
Acq: 18 Feb 2019 11:37

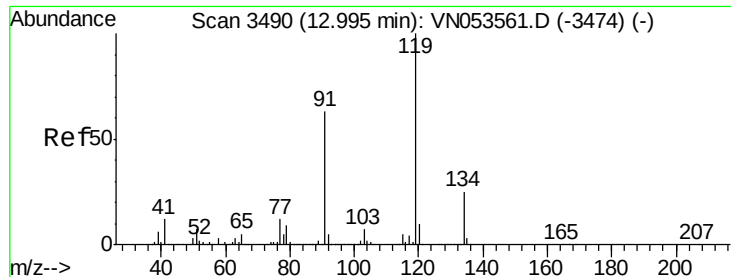
Tgt Ion: 91 Resp: 338313

Ion Ratio Lower Upper

91 100

126 35.7 17.6 52.9

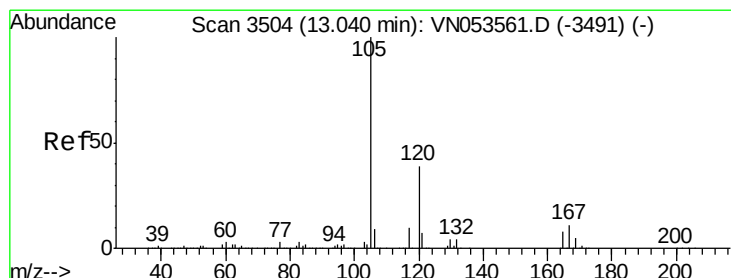
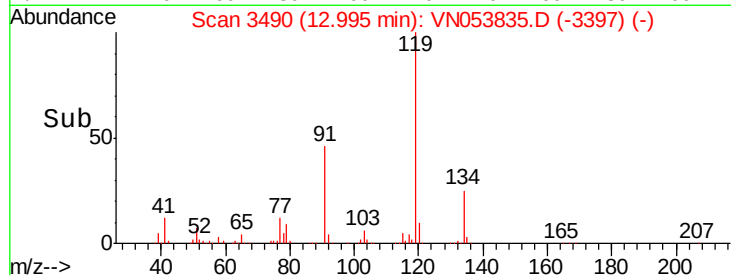
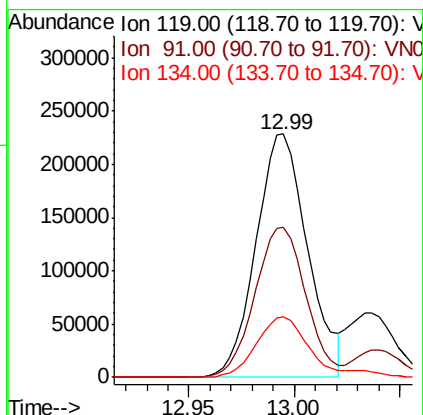
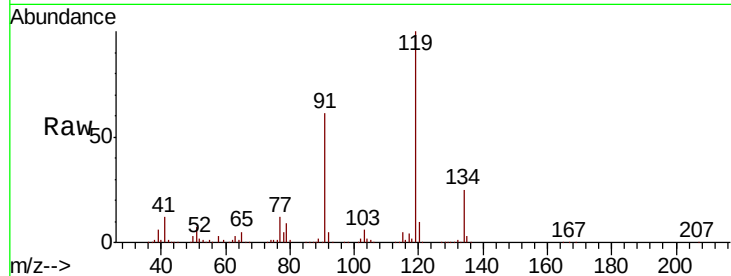




#83
 tert-Butylbenzene
 Concen: 20.625 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

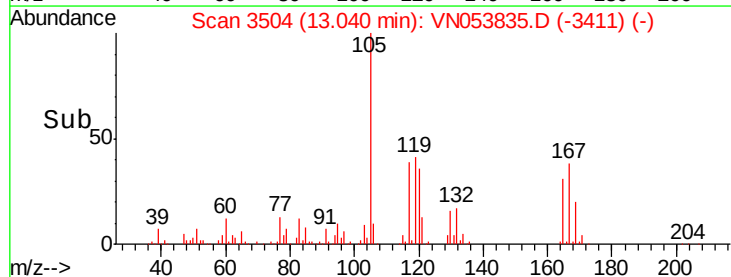
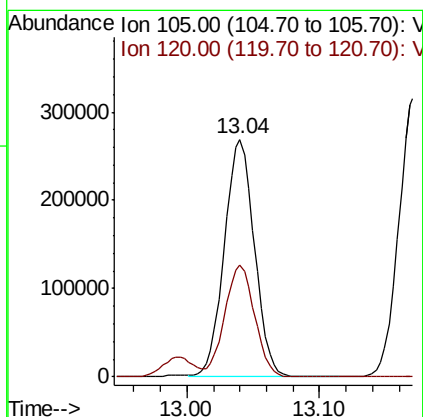
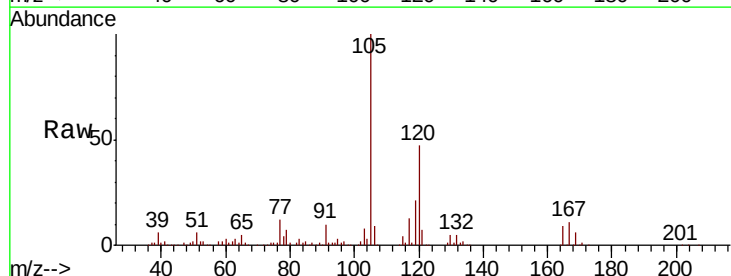
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBSD01

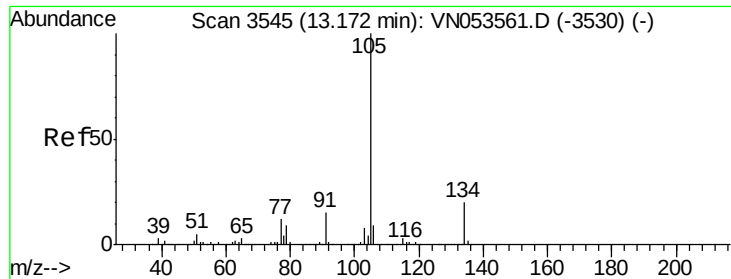
Tgt Ion:119 Resp: 389343
 Ion Ratio Lower Upper
 119 100
 91 60.6 31.3 93.8
 134 26.4 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 19.511 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

Tgt Ion:105 Resp: 424573
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.114 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

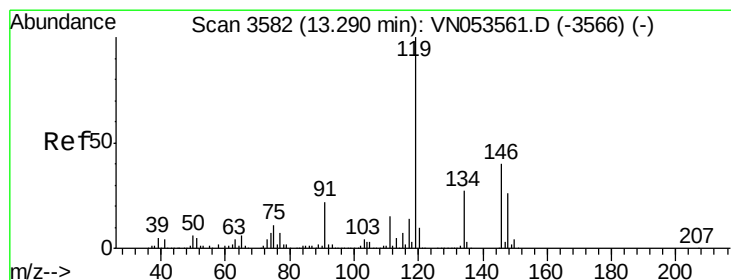
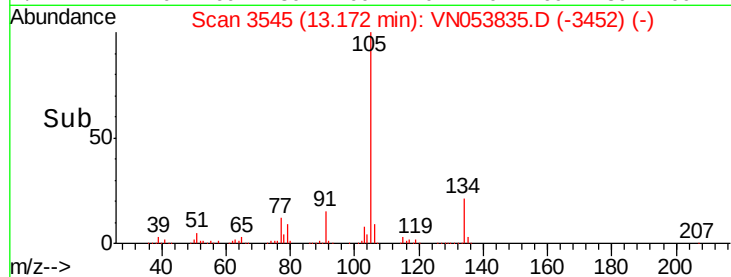
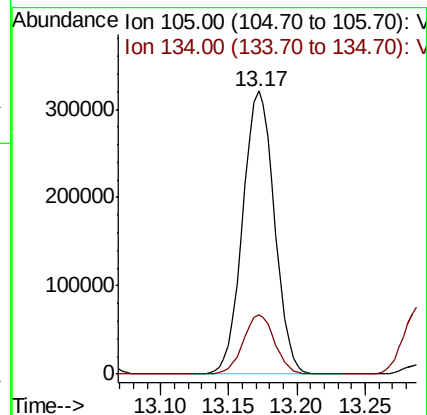
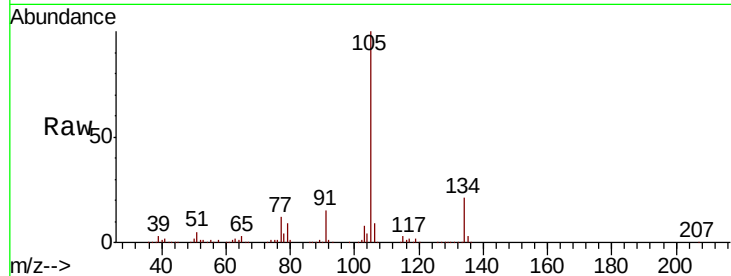
VN0218WBSD01

Tgt Ion:105 Resp: 516711

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6



#86

p-Isopropyltoluene

Concen: 19.588 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

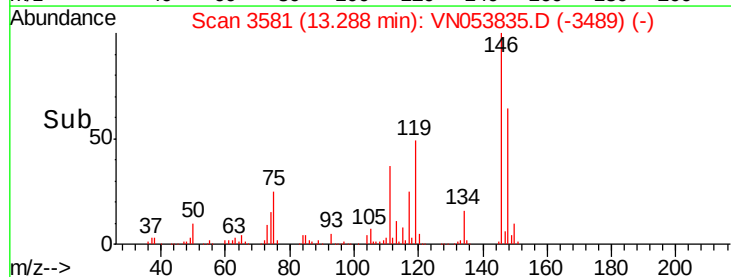
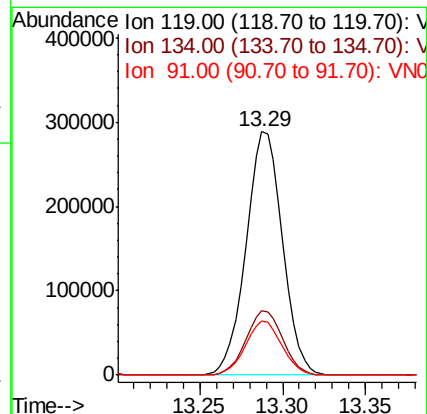
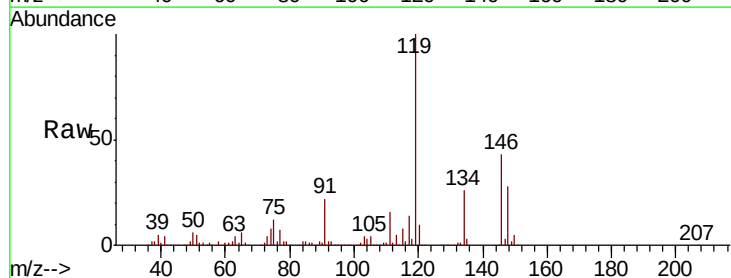
Tgt Ion:119 Resp: 440093

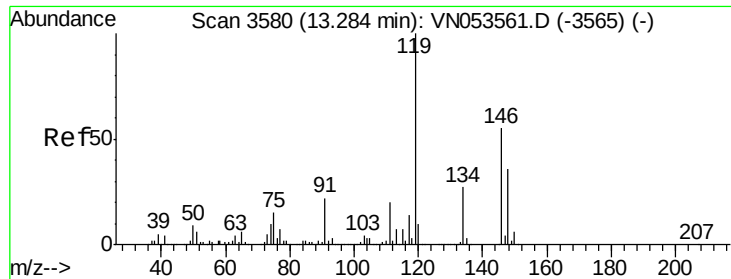
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.3 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 18.590 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VN0218WBSD01

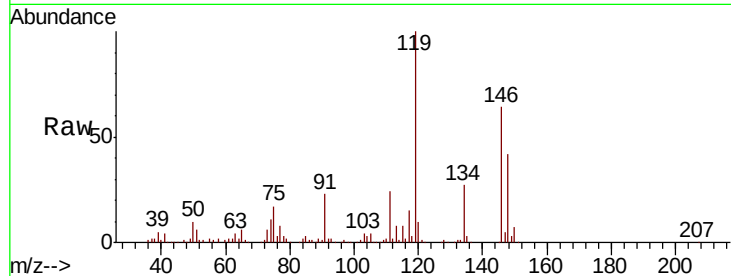
Tgt Ion:146 Resp: 231988

Ion Ratio Lower Upper

146 100

111 37.5 18.8 56.3

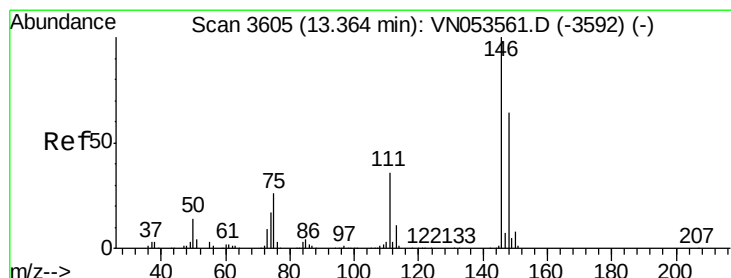
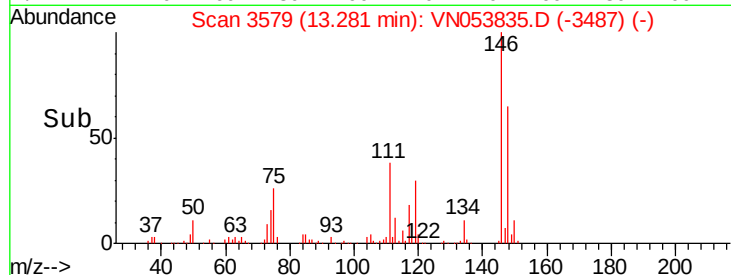
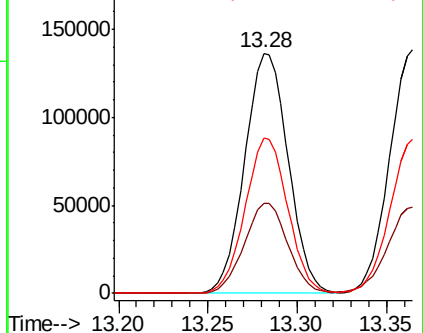
148 63.3 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.377 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

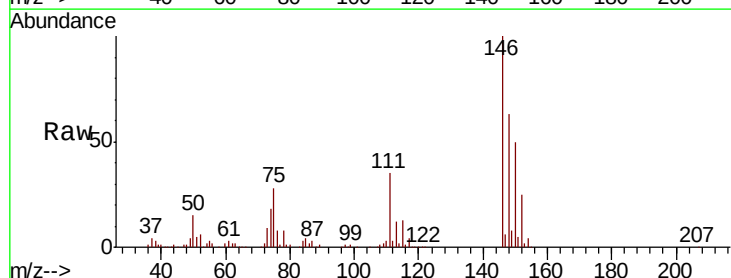
Tgt Ion:146 Resp: 226850

Ion Ratio Lower Upper

146 100

111 36.9 18.6 55.8

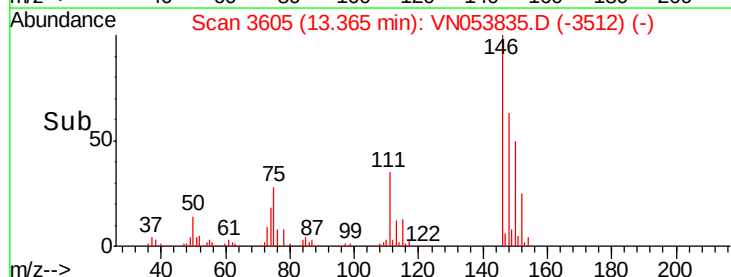
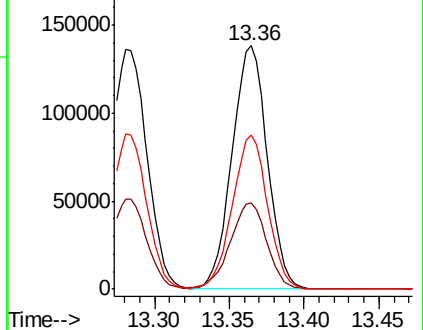
148 63.3 32.4 97.0

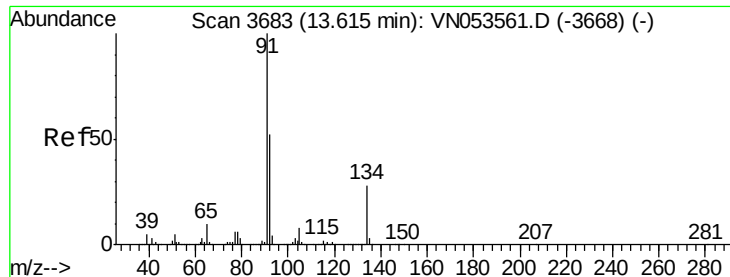


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.006 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053835.D

Acq: 18 Feb 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBSD01

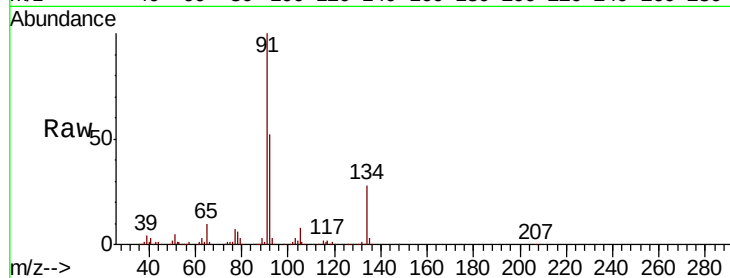
Tgt Ion: 91 Resp: 350146

Ion Ratio Lower Upper

91 100

92 51.6 26.3 78.8

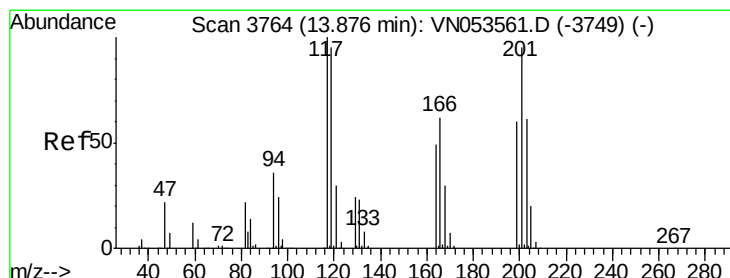
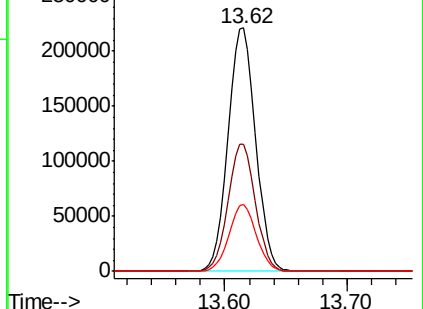
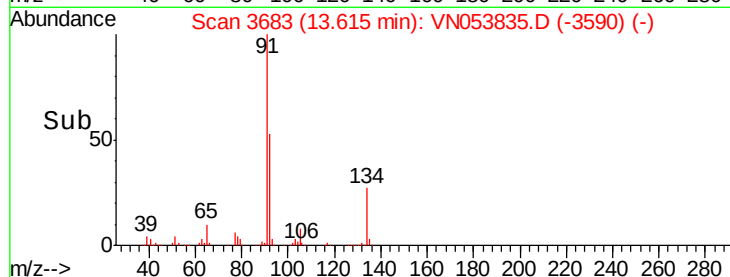
134 27.1 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053835.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053835.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053835.D (-3668) (-)



#90

Hexachloroethane

Concen: 21.458 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053835.D

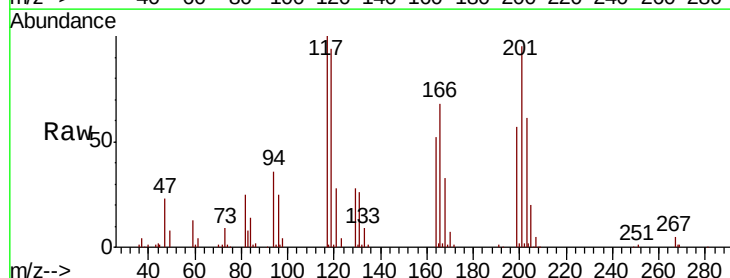
Acq: 18 Feb 2019 11:37

Tgt Ion: 117 Resp: 79521

Ion Ratio Lower Upper

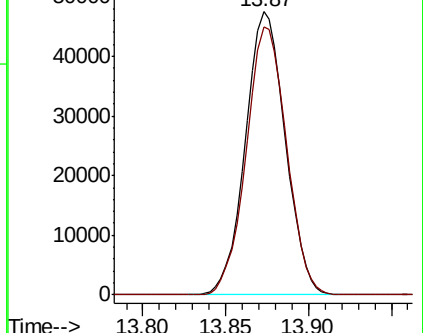
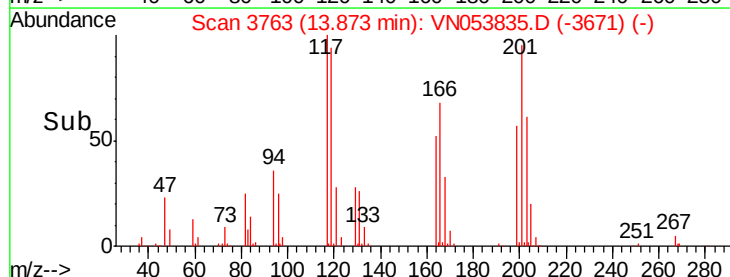
117 100

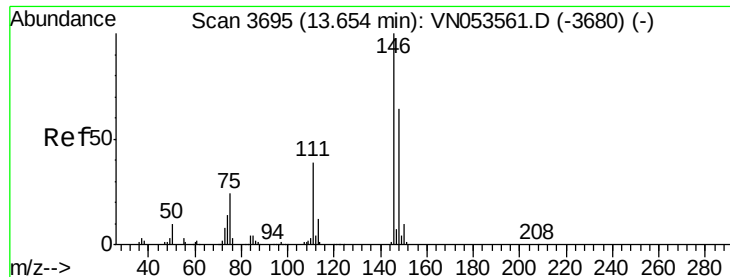
201 95.4 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053835.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053835.D (-3749) (-)

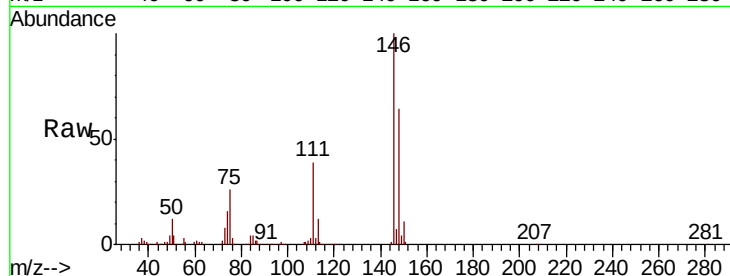




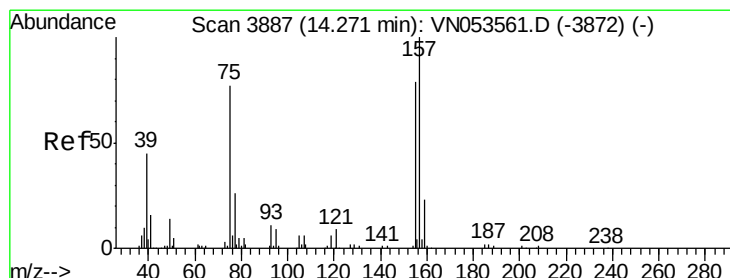
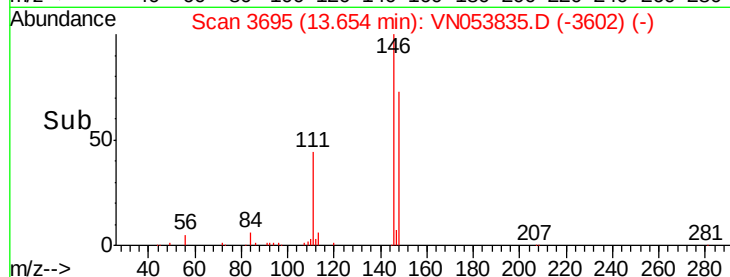
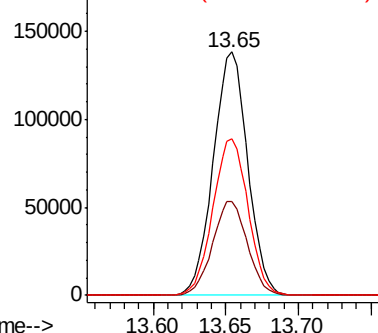
#91
 1,2-Dichlorobenzene
 Concen: 19.129 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0218WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	65.6	31.9	95.9

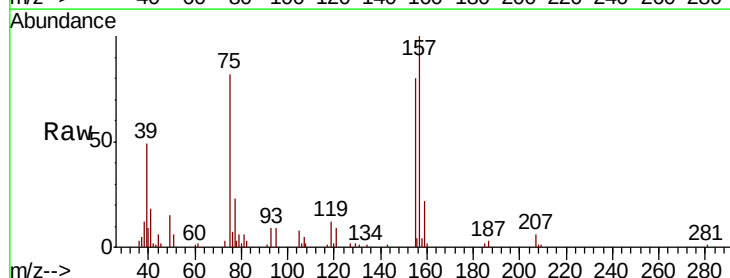


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

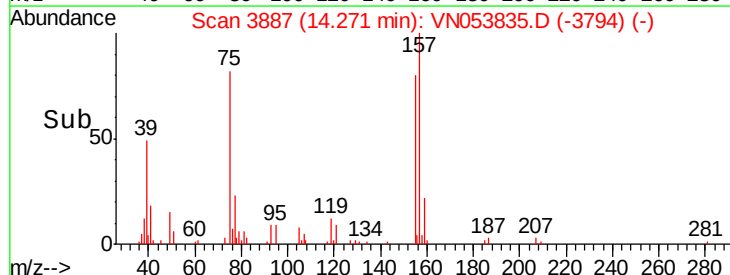
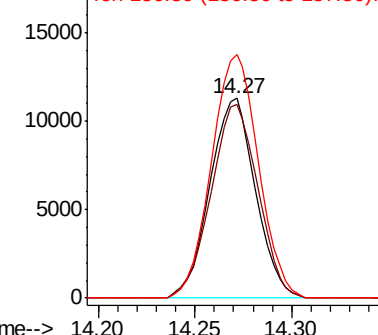


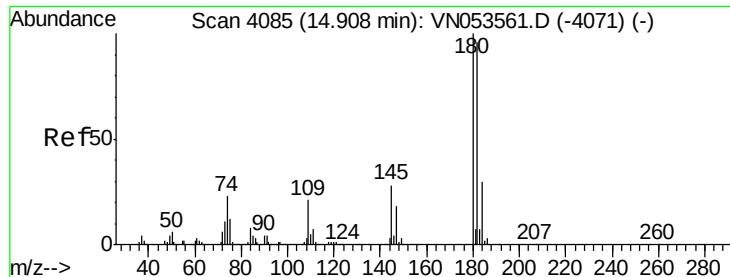
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.096 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	48.9	146.7
157	125.6	63.7	191.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

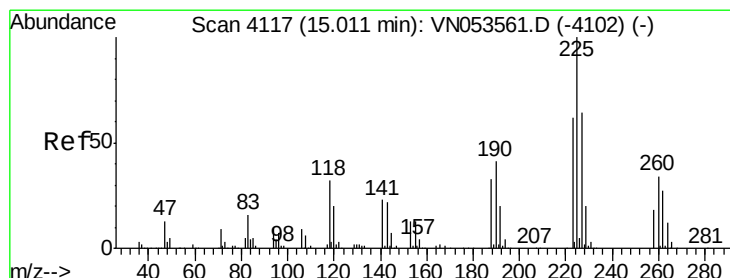
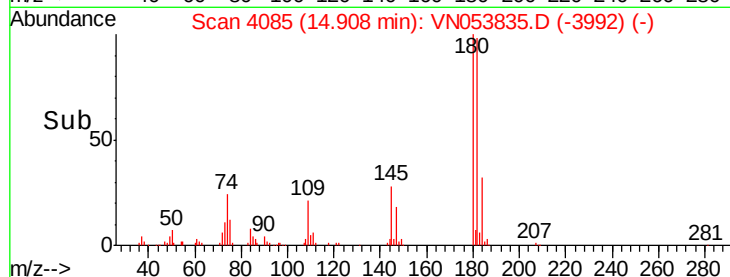
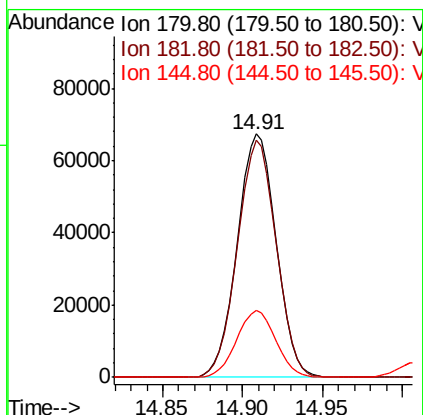
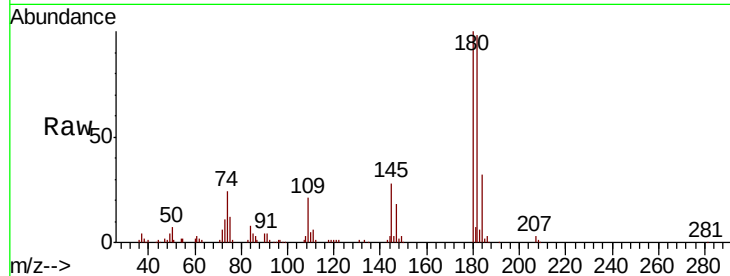




#93
 1,2,4-Trichlorobenzene
 Concen: 16.271 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

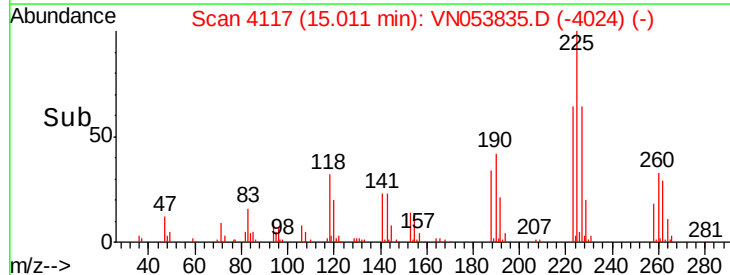
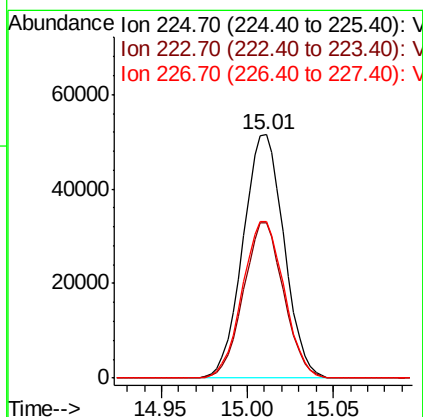
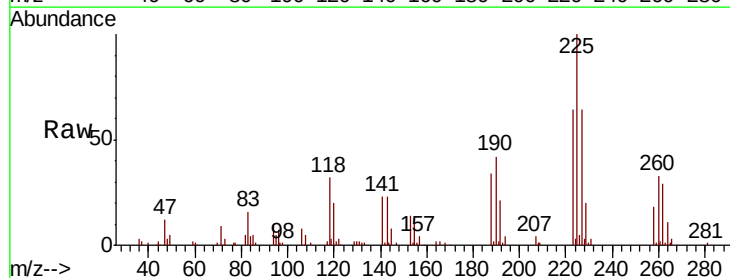
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBSD01

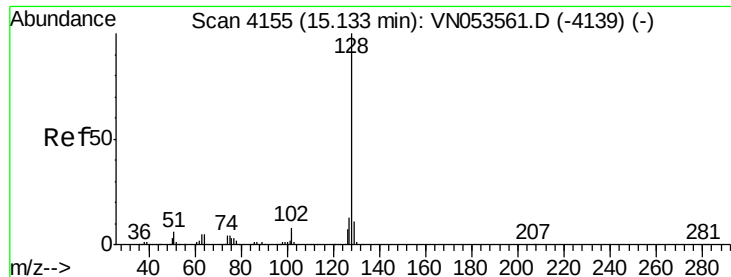
Tgt Ion:180 Resp: 111486
 Ion Ratio Lower Upper
 180 100
 182 97.2 48.1 144.3
 145 27.6 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 19.994 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053835.D
 Acq: 18 Feb 2019 11:37

Tgt Ion:225 Resp: 85316
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.1 93.2
 227 65.2 32.0 96.2

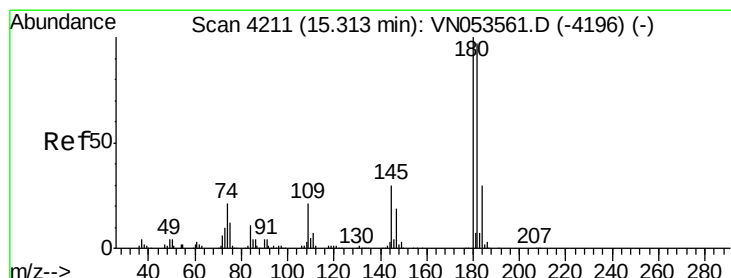
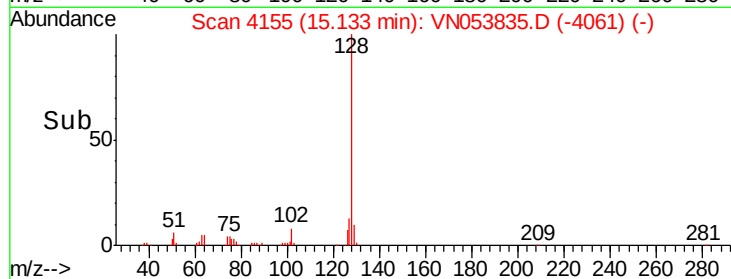
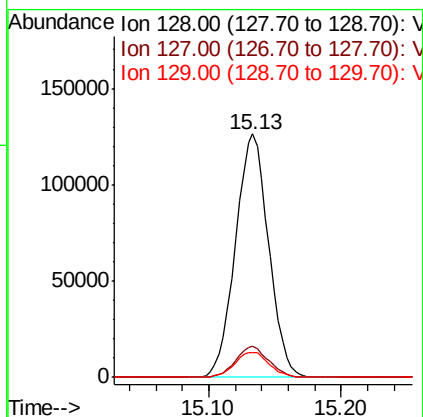
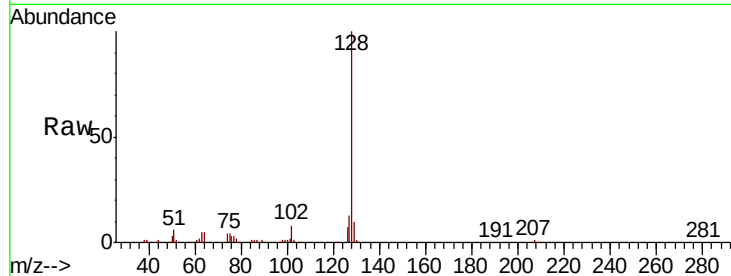




#95
Naphthalene
Concen: 14.866 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBSD01

Tgt Ion:128 Resp: 218936
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.629 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053835.D
Acq: 18 Feb 2019 11:37

Tgt Ion:180 Resp: 112075
Ion Ratio Lower Upper
180 100
182 96.8 47.9 143.8
145 29.5 14.7 44.1

