

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082418\
 Data File : VN050863.D
 Acq On : 24 Aug 2018 9:13
 Operator : MD\SY
 Sample : VN0824WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Quant Time: Aug 24 14:02:48 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA N\methods\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	112339	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	616841	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	545725	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	218162	28.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.23%
60) 4-Bromofluorobenzene	12.40	95	250494	29.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.60%
63) Toluene-d8	10.09	98	778861	29.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	185989	24.025	ug/l 97
3) Chloromethane	2.06	50	203043	25.439	ug/l 99
4) Vinyl Chloride	2.18	62	199080	23.427	ug/l 96
5) Bromomethane	2.57	94	115744	22.344	ug/l 99
6) Chloroethane	2.70	64	115318	22.946	ug/l 97
7) Trichlorofluoromethane	3.01	101	262969	23.682	ug/l 100
8) Diethyl Ether	3.41	74	85528	22.962	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	160805	23.805	ug/l 98
10) 1,1-Dichloroethene	3.74	96	142276	23.754	ug/l 93
11) Methyl Iodide	3.95	142	111700	12.674	ug/l 97
12) Methyl Acetate	4.33	43	143334	20.891	ug/l 100
13) Acrolein	3.61	56	18811	44.363	ug/l 95
14) Acrylonitrile	4.99	53	242127	105.758	ug/l 98
15) Acetone	3.82	58	58752	96.561	ug/l 90
16) Carbon Disulfide	4.05	76	441300	24.076	ug/l 100
17) Allyl chloride	4.32	41	218340	23.083	ug/l 96
18) Methylene Chloride	4.55	84	166453	24.083	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	149908	23.378	ug/l 99
20) Diisopropyl ether	5.95	45	465203	23.986	ug/l 100
21) 1,1-Dichloroethane	5.85	63	283620	23.256	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	167268	23.521	ug/l 99
23) tert-Butyl Alcohol	4.78	59	46628	91.146	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	367380	22.491	ug/l 98
25) Chloroform	7.37	83	283526	22.966	ug/l 100
26) Cyclohexane	7.65	56	243063	25.081	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	219291	22.907	ug/l 98
30) 2-Butanone	6.84	43	269538	89.728	ug/l 97
31) 2,2-Dichloropropane	6.82	77	228164	21.562	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	242945	21.561	ug/l 99
33) Carbon Tetrachloride	7.77	117	214088	21.315	ug/l 99
34) Benzene	8.04	78	656006	22.564	ug/l 96
35) Methacrylonitrile	7.17	41	50691	14.821	ug/l 97
36) 1,2-Dichloroethane	8.12	62	194419	20.367	ug/l 100
37) Trichloroethene	8.83	130	170691	22.386	ug/l 94
38) Methylcyclohexane	9.08	83	228244	22.616	ug/l 100
39) 1,2-Dichloropropane	9.12	63	170413	22.251	ug/l 98
40) Dibromomethane	9.21	93	100237	21.177	ug/l 100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	210084	21.041	ug/l	97
42) Vinyl Acetate	5.90	43	1411834	99.876	ug/l	100
43) Ethyl Acetate	6.93	43	117541	18.738	ug/l	93
44) Isopropyl Acetate	8.17	43	216251	18.610	ug/l	99
45) 1,4-Dioxane	9.20	88	29505	385.864	ug/l	94
46) Methyl methacrylate	9.20	41	103229	18.325	ug/l	98
47) n-amyl Acetate	12.07	43	158402	17.519	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	201440	21.166	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	242292	21.667	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	143979	21.191	ug/l	99
51) Ethyl methacrylate	10.43	69	158793	19.255	ug/l	94
52) 1,3-Dichloropropane	10.71	76	235075	21.070	ug/l	100
53) Dibromochloromethane	10.90	129	160024	20.754	ug/l	99
54) 1,2-Dibromoethane	11.01	107	135129	20.307	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	332570	89.106	ug/l	99
56) Bromoform	12.13	173	106094	19.486	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	601758	94.764	ug/l	98
59) 2-Hexanone	10.75	43	381074	87.965	ug/l	98
61) Tetrachloroethene	10.63	164	159144	21.530	ug/l	96
62) Toluene	10.16	91	695061	22.324	ug/l	99
64) Chlorobenzene	11.43	112	427717	22.654	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	161051	21.869	ug/l	99
66) Ethyl Benzene	11.51	91	706202	22.195	ug/l	100
67) m/p-Xylenes	11.62	106	566591	46.271	ug/l	97
68) o-Xylene	11.95	106	265426	22.782	ug/l	99
69) Styrene	11.96	104	411821	22.050	ug/l	99
70) Isopropylbenzene	12.25	105	710502	22.898	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	176099	20.671	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	198624	27.298	ug/l	59
73) Bromobenzene	12.53	156	178158	21.554	ug/l	99
74) n-propylbenzene	12.59	91	799629	22.127	ug/l	100
75) 2-Chlorotoluene	12.67	91	483603	22.280	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	581954	22.835	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	40719	17.117	ug/l	96
78) 4-Chlorotoluene	12.77	91	475851	22.123	ug/l	99
79) tert-butylbenzene	12.99	119	493496	22.649	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	587434	22.751	ug/l	99
81) sec-Butylbenzene	13.17	105	654642	22.117	ug/l	99
82) p-Isopropyltoluene	13.29	119	562987	22.292	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	303989	21.121	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	283742	20.862	ug/l	98
85) n-Butylbenzene	13.62	91	413394	20.170	ug/l	100
86) Hexachloroethane	13.87	117	106211	21.045	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	297097	21.118	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22461	16.924	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	115018	17.117	ug/l	99
90) Hexachlorobutadiene	15.01	225	95486	21.553	ug/l	98
91) Naphthalene	15.13	128	203046	17.281	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	117865	17.247	ug/l	98

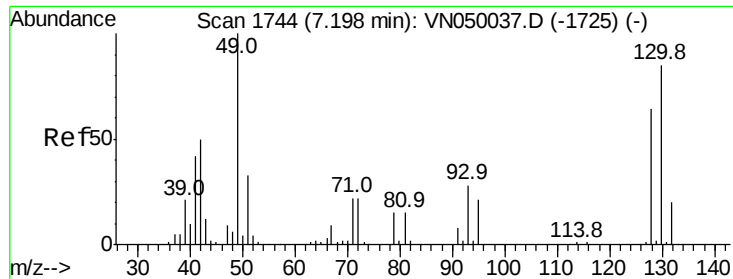
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082418\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS01

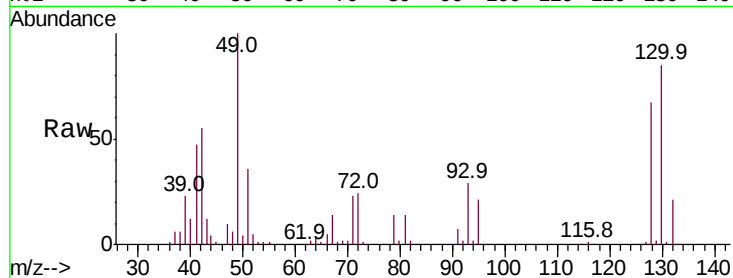
Tot Ion:128 Resp: 112339

Ion Ratio Lower Upper

128 100

49 152.4 0.0 378.3

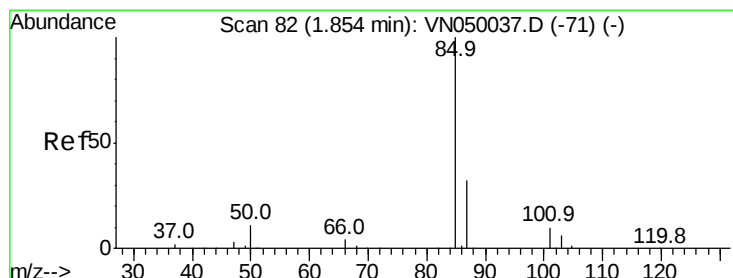
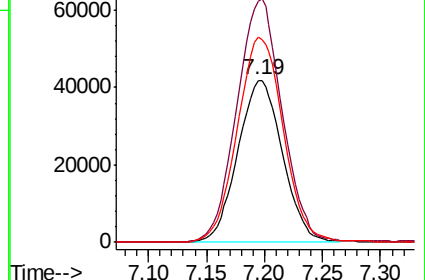
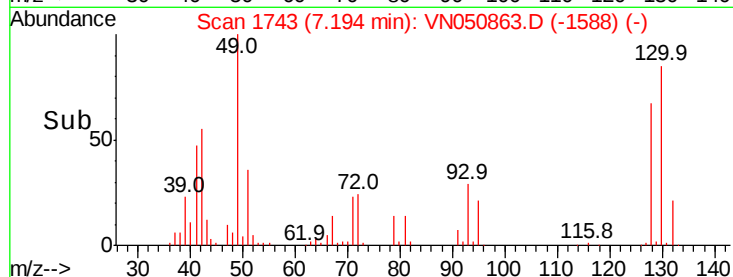
130 130.4 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 24.025 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050863.D

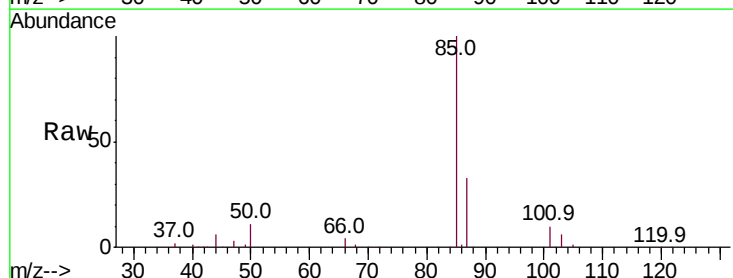
Acq: 24 Aug 2018 9:13

Tgt Ion: 85 Resp: 185989

Ion Ratio Lower Upper

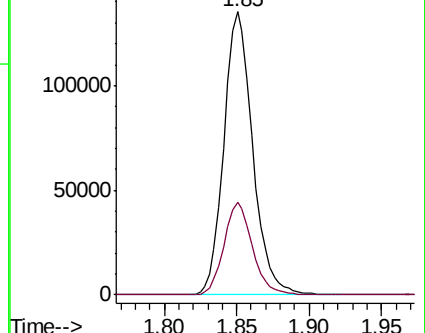
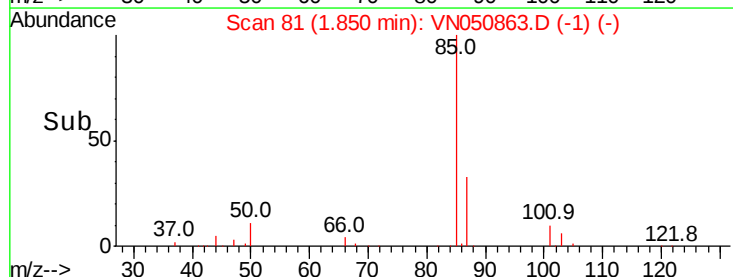
85 100

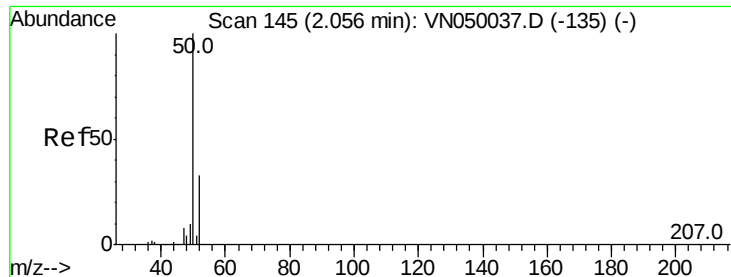
87 32.5 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 25.439 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

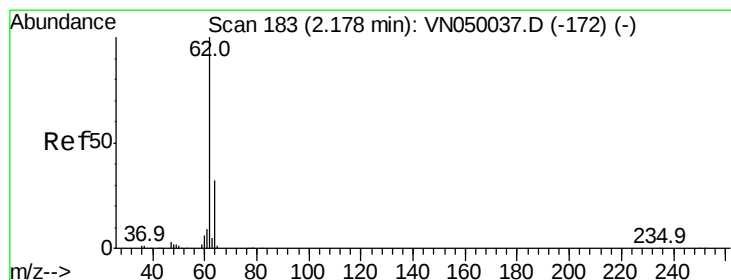
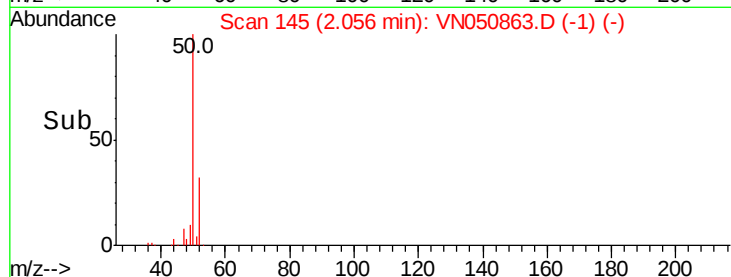
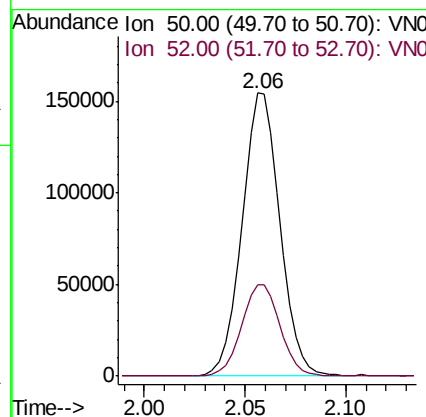
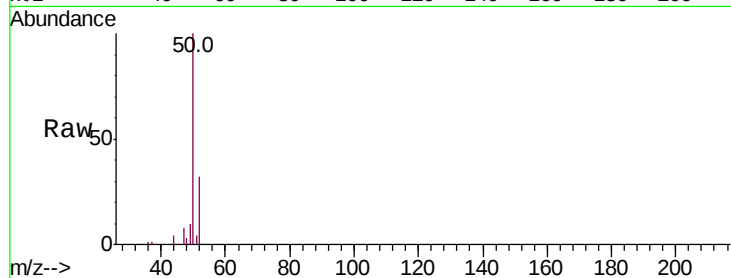
VN0824WBS01

Tot Ion: 50 Resp: 203043

Ion Ratio Lower Upper

50 100

52 32.2 26.1 39.1



#4

Vinyl Chloride

Concen: 23.427 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.01 min

Lab File: VN050863.D

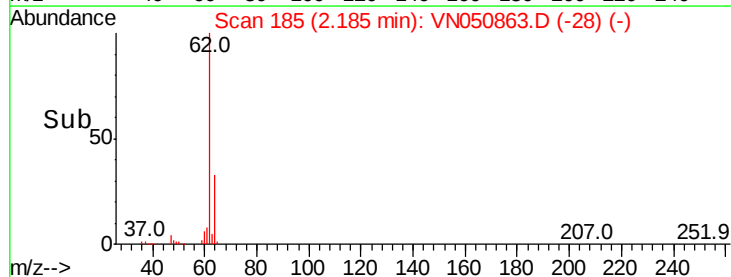
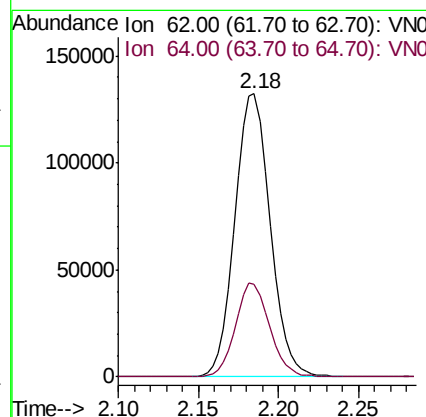
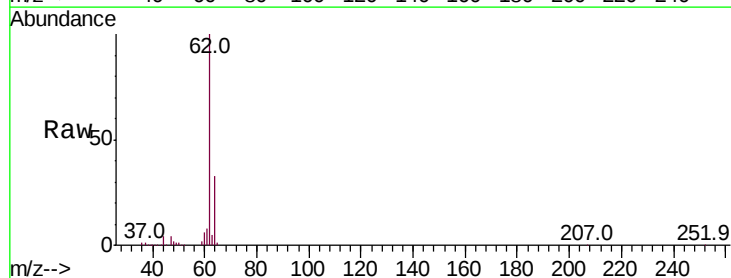
Acq: 24 Aug 2018 9:13

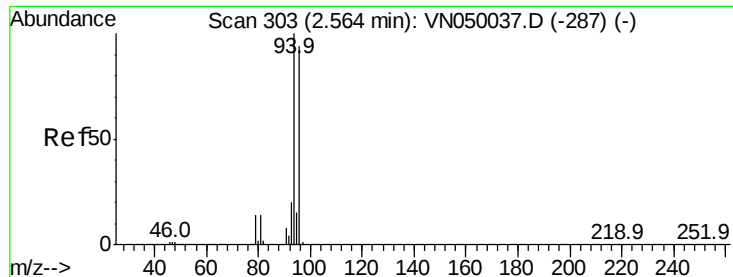
Tgt Ion: 62 Resp: 199080

Ion Ratio Lower Upper

62 100

64 32.8 24.4 36.6





#5

Bromomethane

Concen: 22.344 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

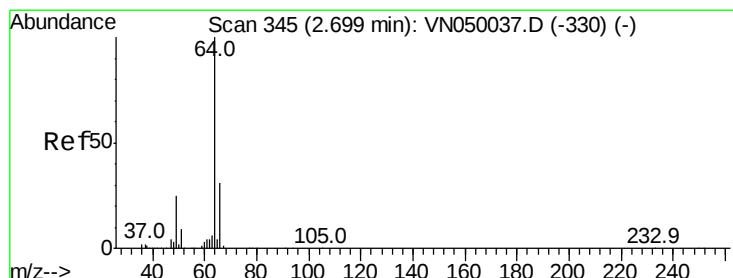
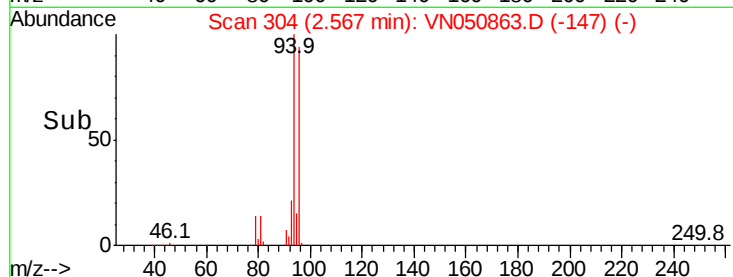
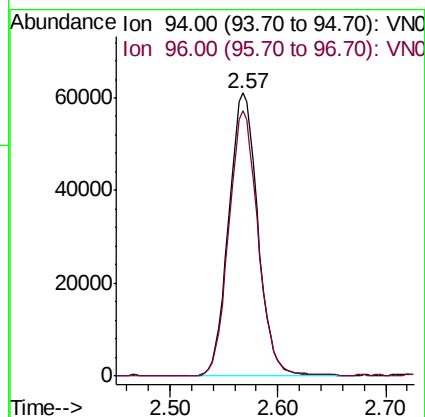
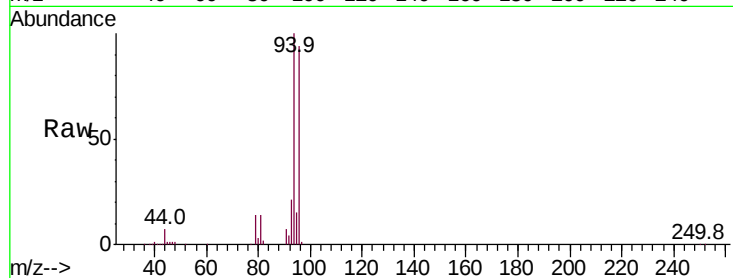
VN0824WBS01

Tot Ion: 94 Resp: 115744

Ion Ratio Lower Upper

94 100

96 93.5 75.9 113.9



#6

Chloroethane

Concen: 22.946 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050863.D

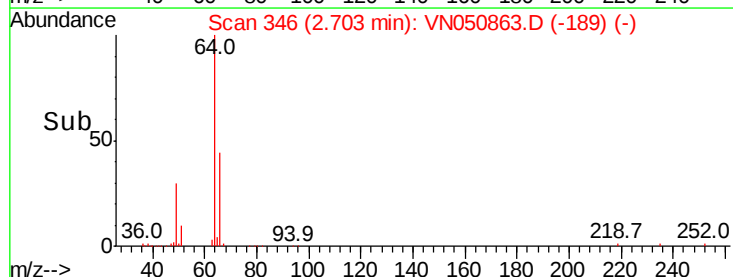
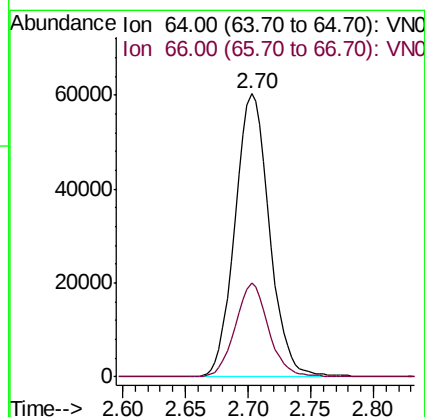
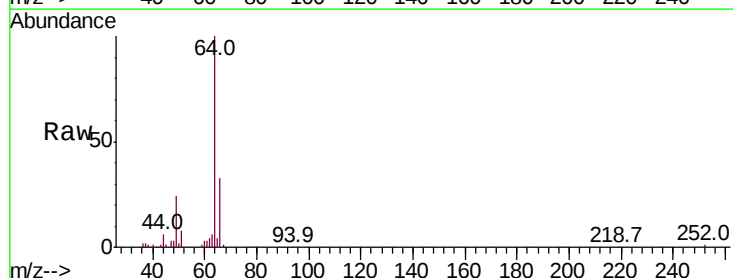
Acq: 24 Aug 2018 9:13

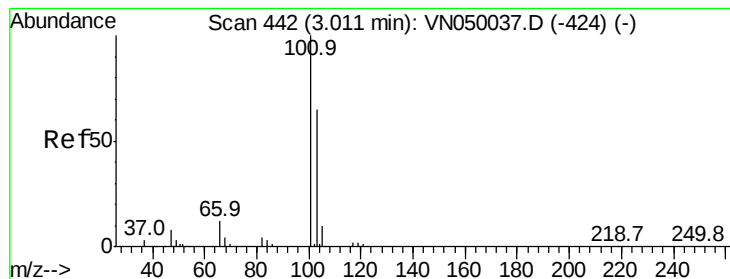
Tgt Ion: 64 Resp: 115318

Ion Ratio Lower Upper

64 100

66 33.0 25.0 37.4



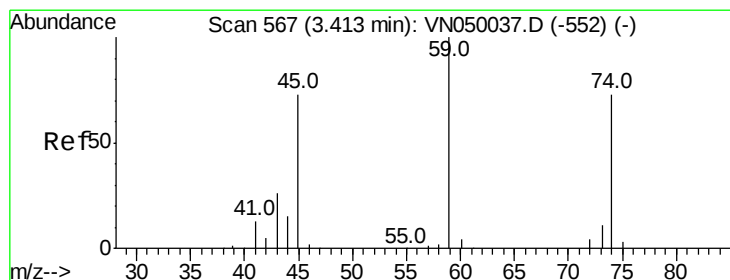
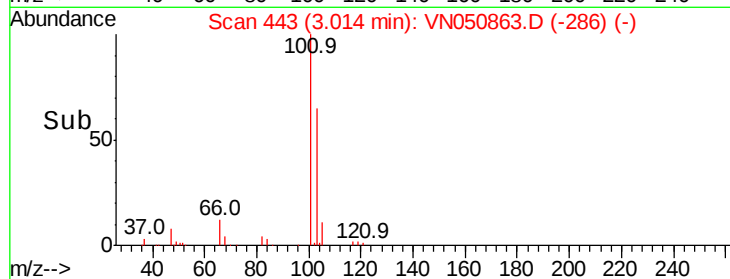
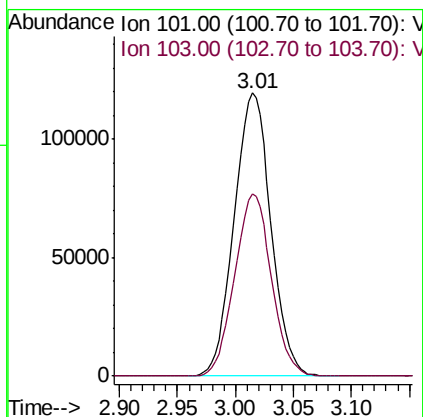
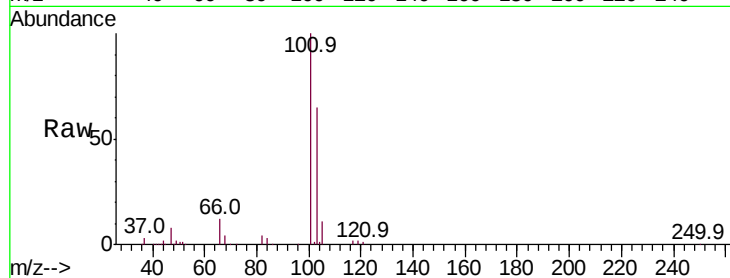


#7

Trichlorofluoromethane
 Concen: 23.682 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

Instrument :
 MSVOA_N
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 VN0824WBS01

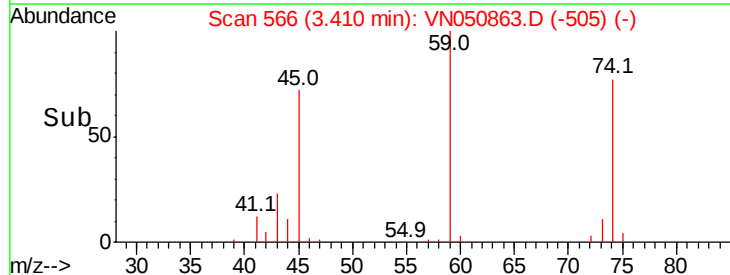
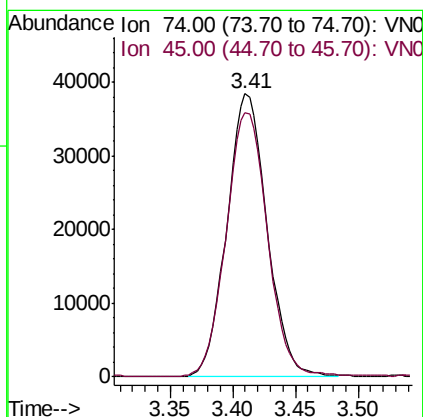
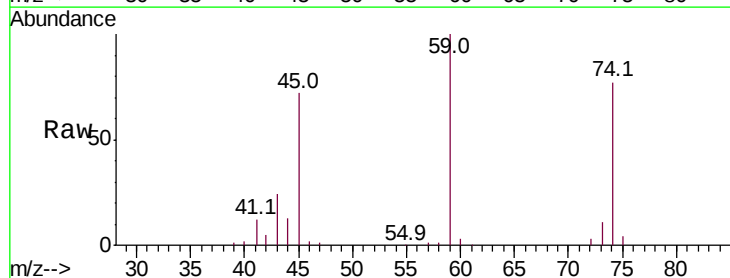
Tot Ion:101 Resp: 262969
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.5 77.3

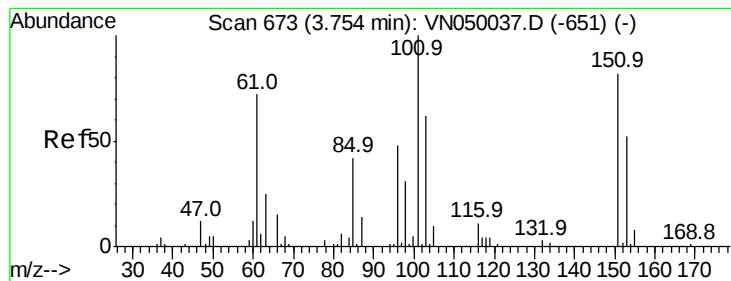


#8

Diethyl Ether
 Concen: 22.962 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

Tgt Ion: 74 Resp: 85528
 Ion Ratio Lower Upper
 74 100
 45 96.6 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.805 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.01 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

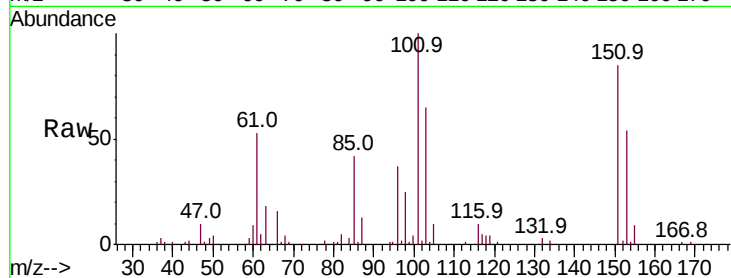
Tot Ion:101 Resp: 160805

Ion Ratio Lower Upper

101 100

85 43.0 0.0 83.0

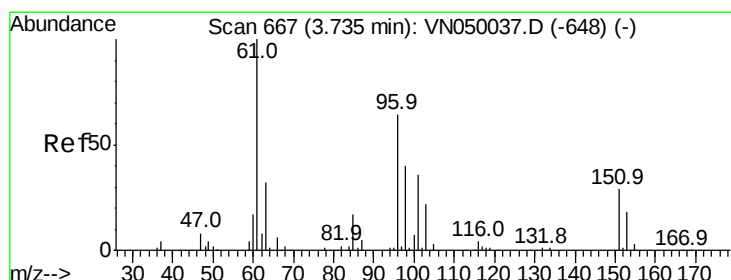
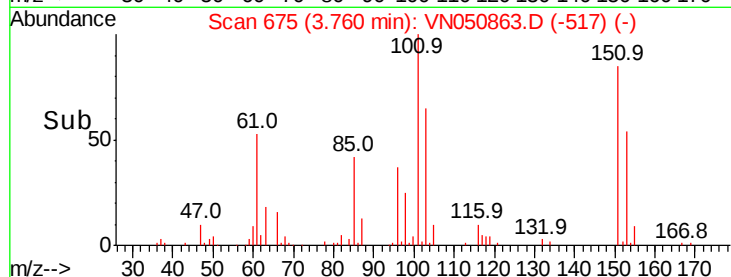
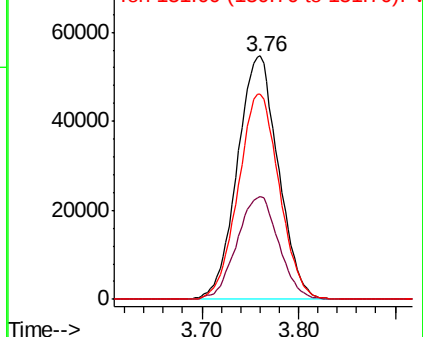
151 84.5 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 23.754 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

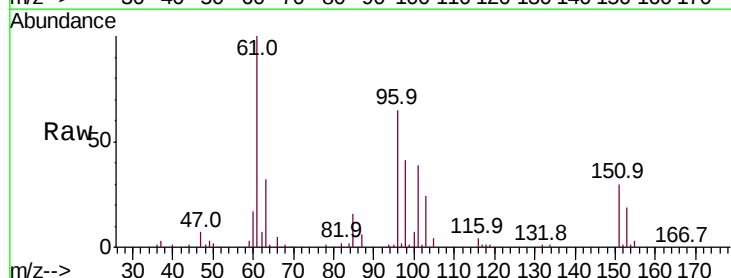
Tgt Ion: 96 Resp: 142276

Ion Ratio Lower Upper

96 100

61 152.8 130.6 195.8

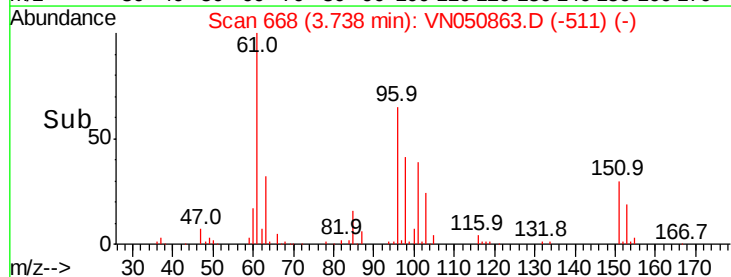
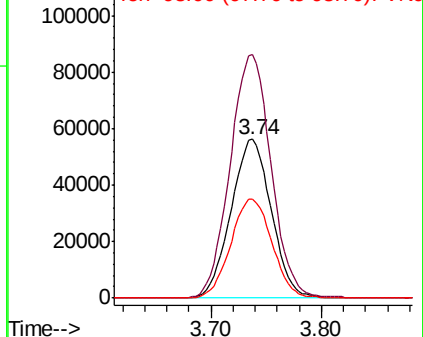
98 62.3 53.5 80.3

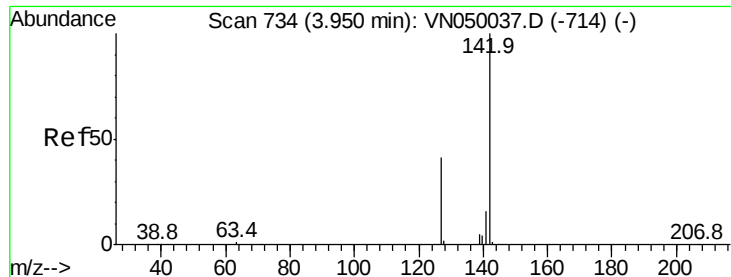


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

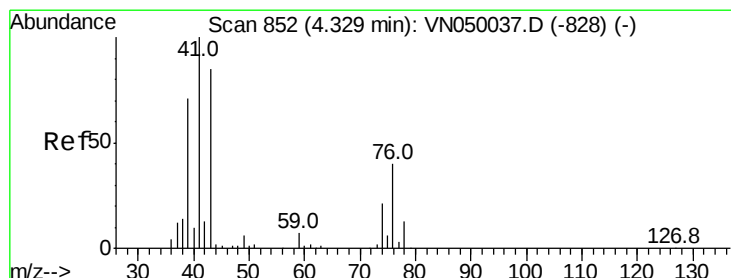
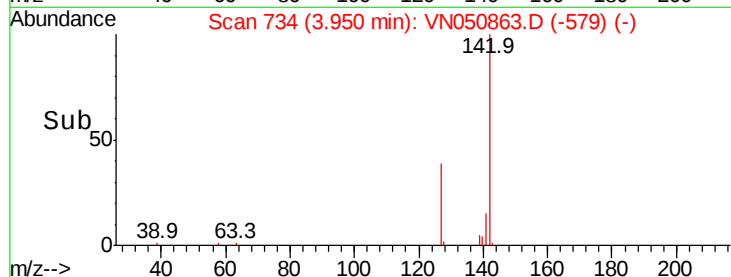
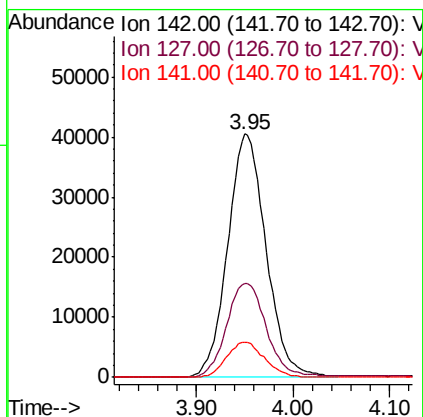
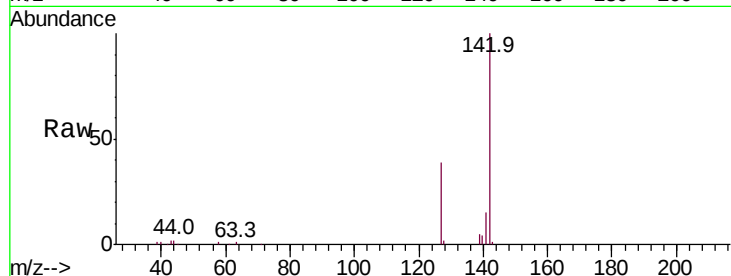




#11
Methvl Iodide
Concen: 12.674 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

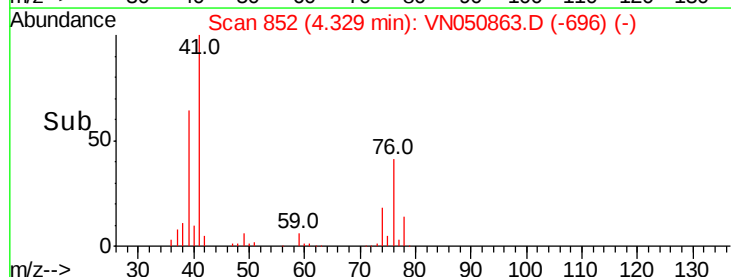
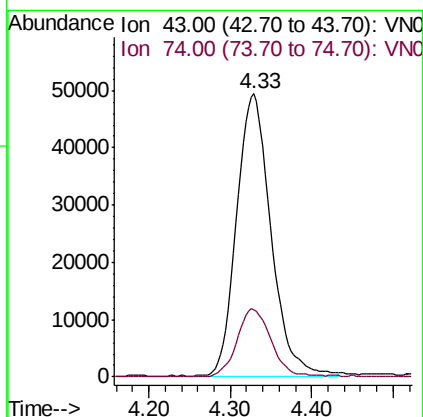
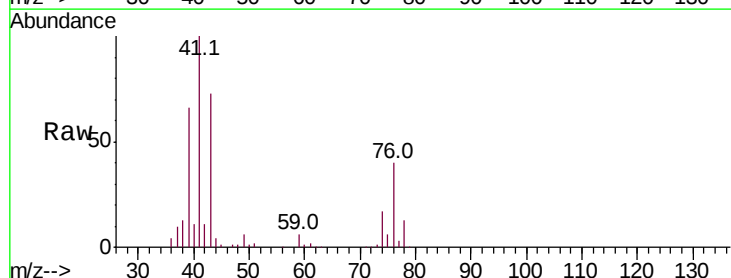
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

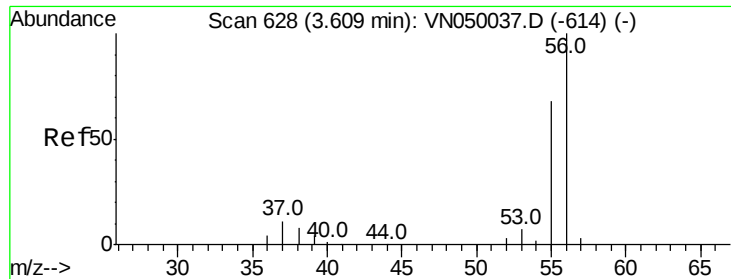
Tot Ion:142 Resp: 111700
Ion Ratio Lower Upper
142 100
127 38.6 20.2 60.5
141 14.6 6.9 20.6



#12
Methyl Acetate
Concen: 20.891 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

Tgt Ion: 43 Resp: 143334
Ion Ratio Lower Upper
43 100
74 23.9 19.3 28.9





#13

Acrolein

Concen: 44.363 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

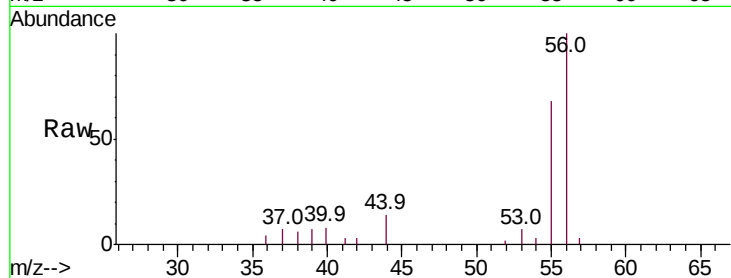
VN0824WBS01

Tot Ion: 56 Resp: 18811

Ion Ratio Lower Upper

56 100

55 69.4 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

8000

6000

4000

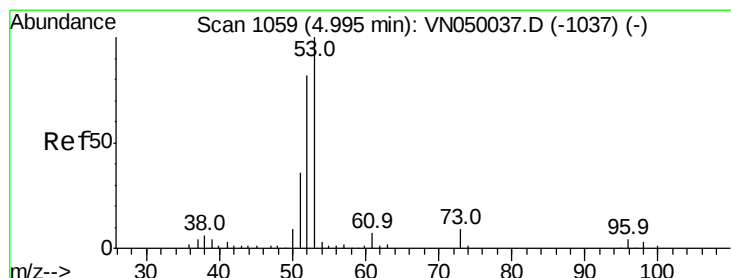
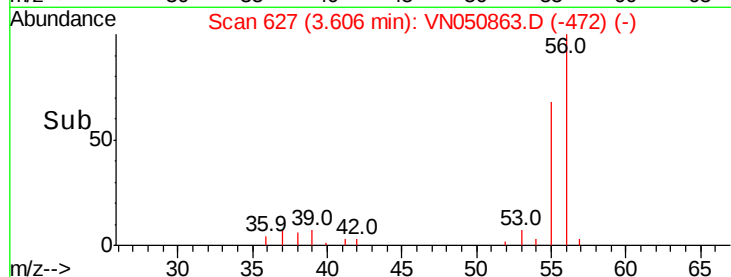
2000

0

Time-->

3.55 3.60 3.65 3.70

3.61



#14

Acrylonitrile

Concen: 105.758 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

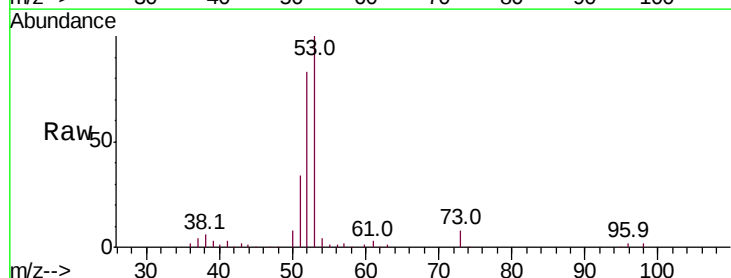
Tgt Ion: 53 Resp: 242127

Ion Ratio Lower Upper

53 100

52 82.4 41.5 124.5

51 35.1 18.7 56.1



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

80000

60000

40000

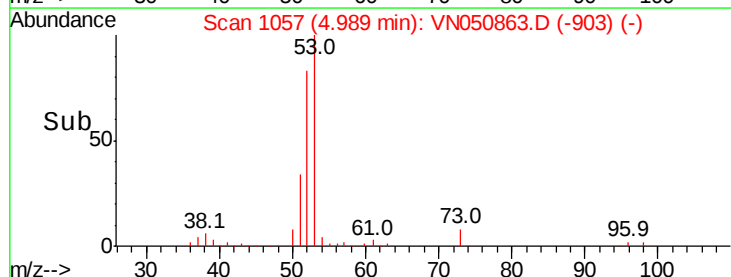
20000

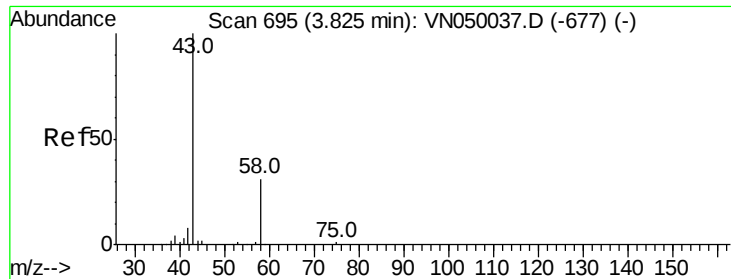
0

Time-->

4.90 5.00 5.10 5.20

4.99





#15

Acetone

Concen: 96.561 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

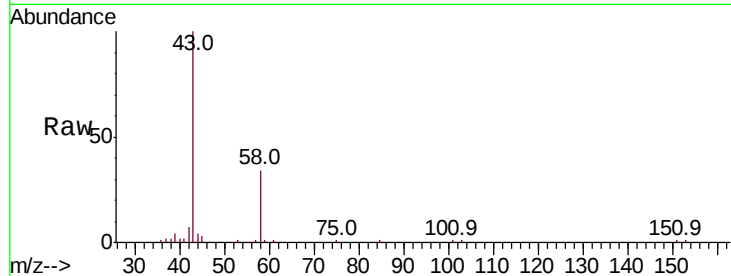
VN0824WBS01

Tot Ion: 58 Resp: 58752

Ion Ratio Lower Upper

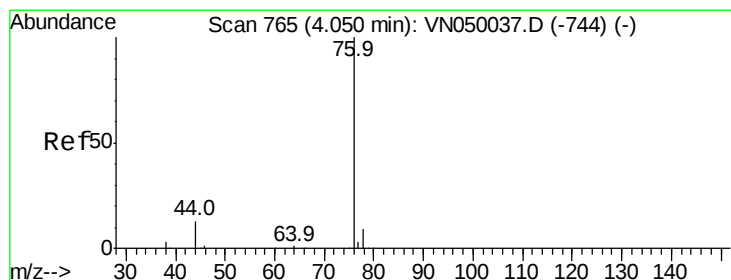
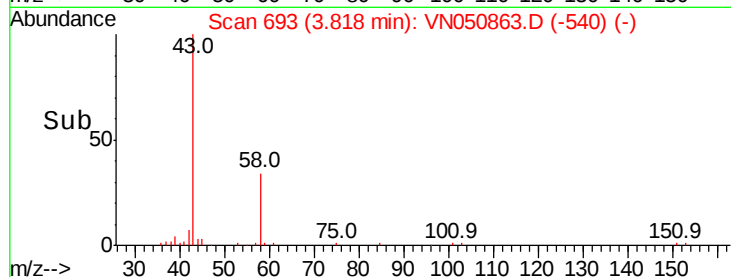
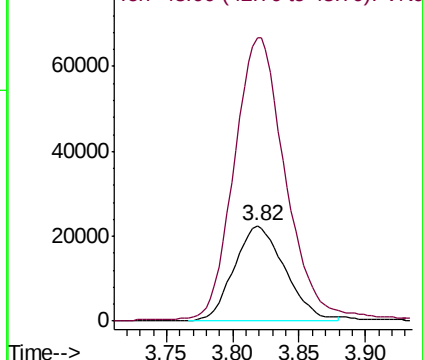
58 100

43 295.7 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 24.076 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050863.D

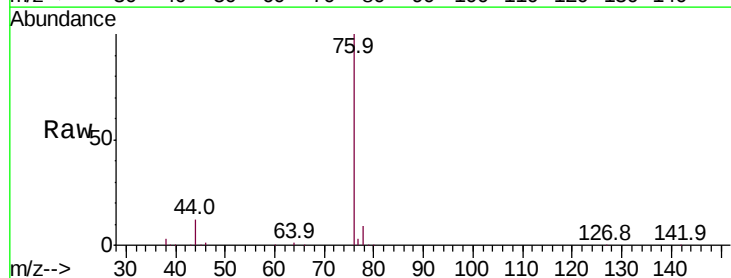
Acq: 24 Aug 2018 9:13

Tgt Ion: 76 Resp: 441300

Ion Ratio Lower Upper

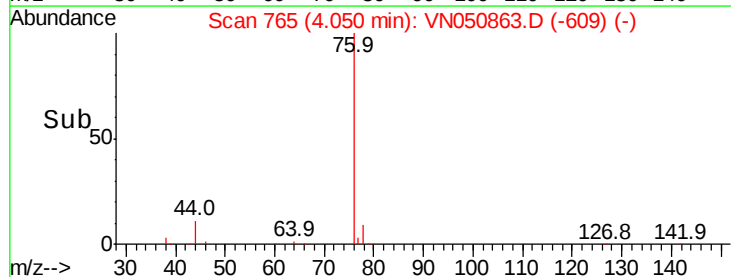
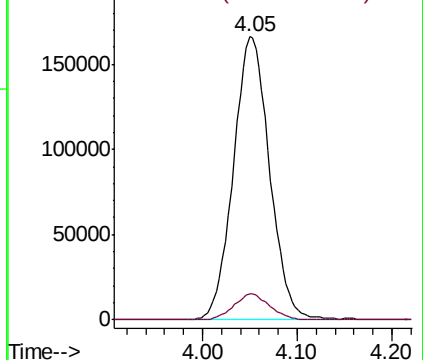
76 100

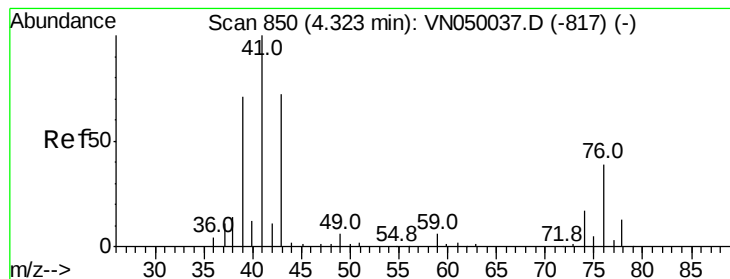
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 23.083 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

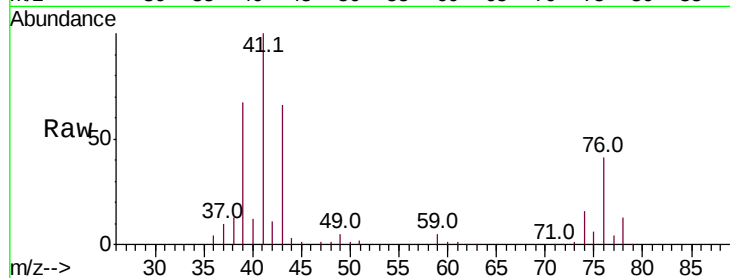
Tot Ion: 41 Resp: 218340

Ion Ratio Lower Upper

41 100

39 67.3 35.4 106.3

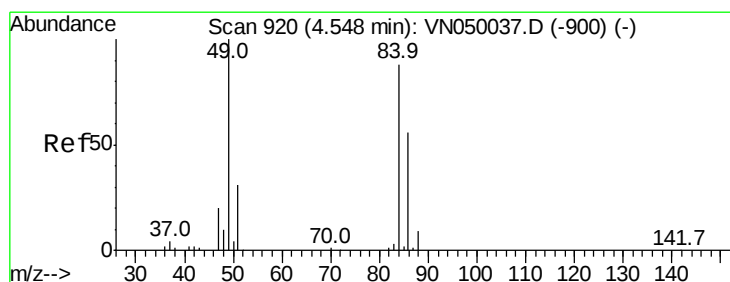
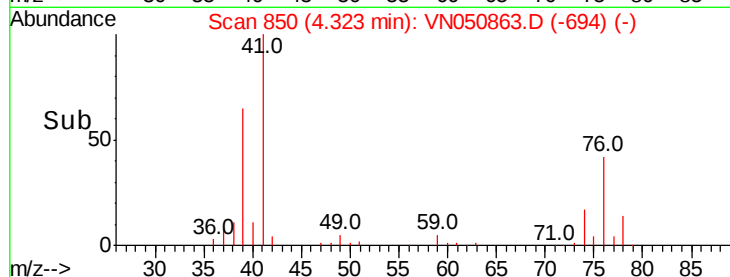
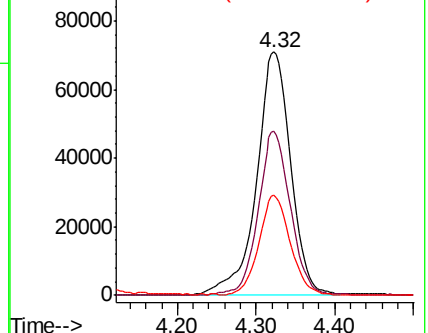
76 40.8 19.7 59.1



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 24.083 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Tgt Ion: 84 Resp: 166453

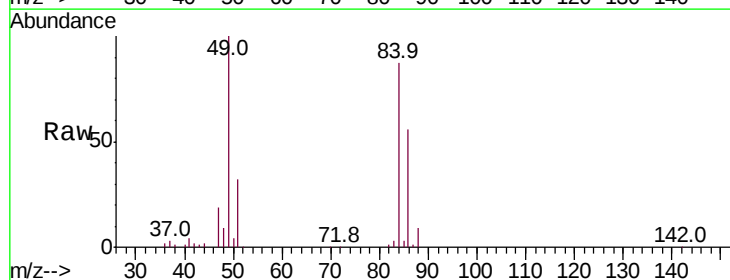
Ion Ratio Lower Upper

84 100

49 114.5 95.1 142.7

51 36.2 28.8 43.2

86 64.5 52.3 78.5

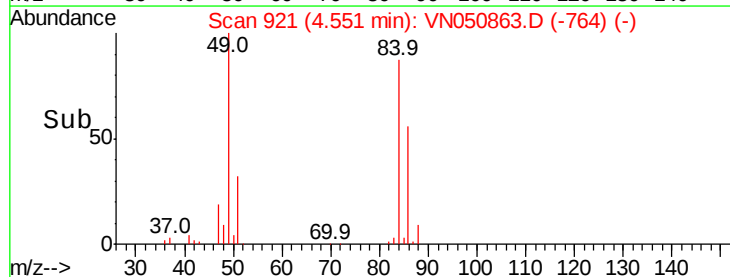
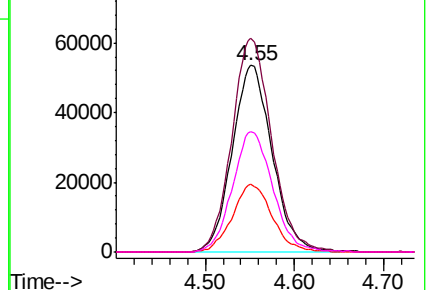


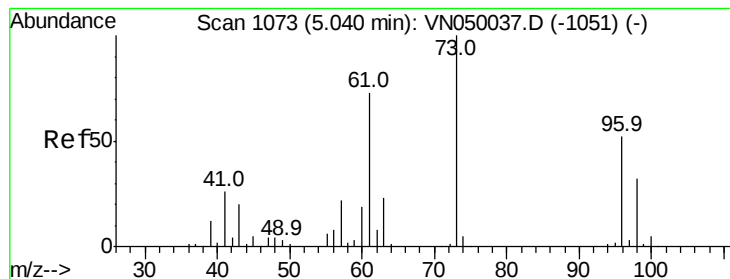
Abundance Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO





#19

trans-1,2-Dichloroethene

Concen: 23.378 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS01

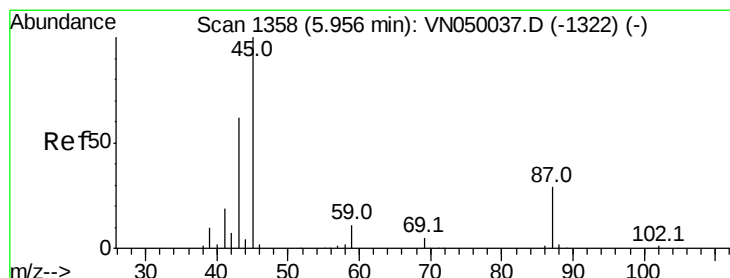
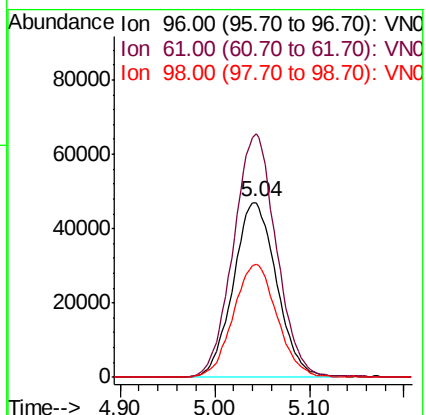
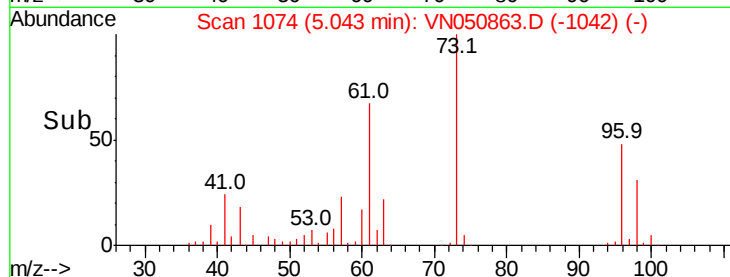
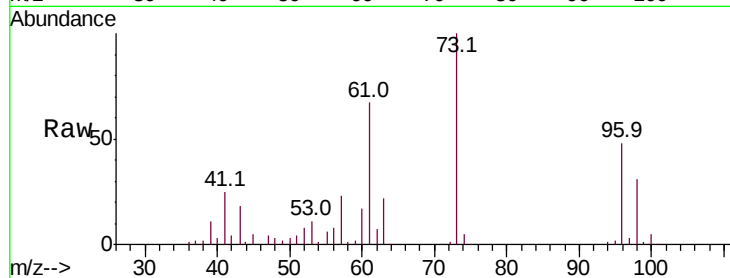
Tot Ion: 96 Resp: 149908

Ion Ratio Lower Upper

96 100

61 138.8 112.1 168.1

98 64.9 51.3 76.9



#20

Diisopropyl ether

Concen: 23.986 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Tgt Ion: 45 Resp: 465203

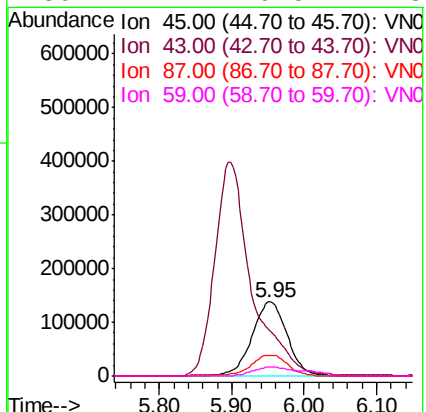
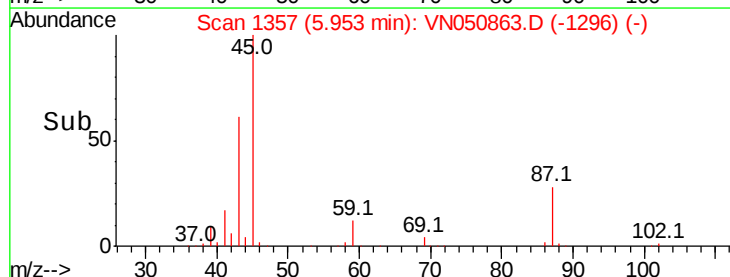
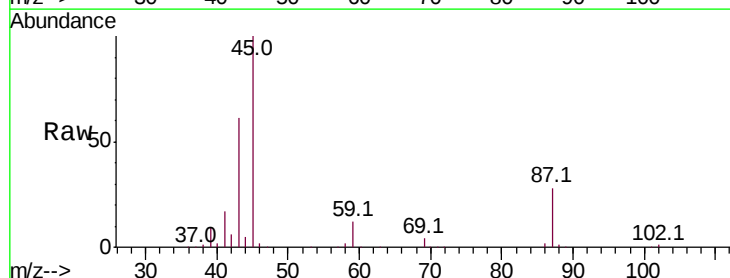
Ion Ratio Lower Upper

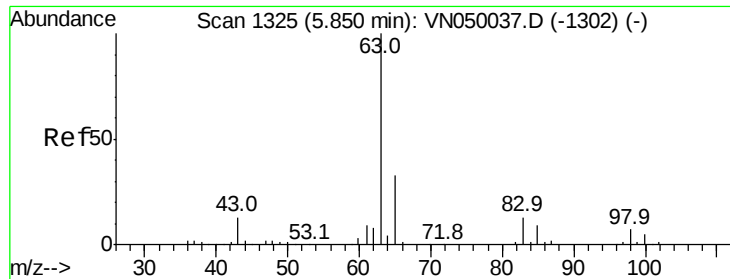
45 100

43 58.8 46.6 70.0

87 27.9 22.3 33.5

59 12.1 9.5 14.3

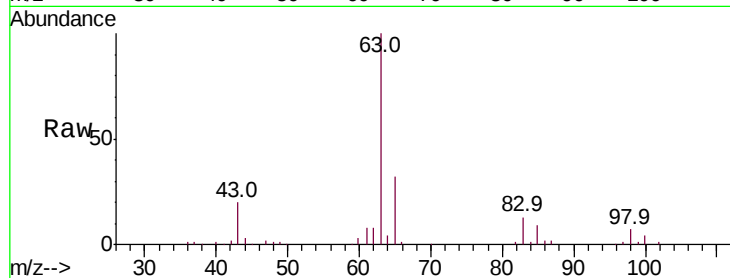




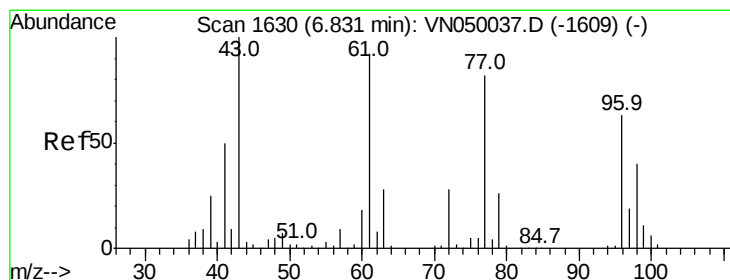
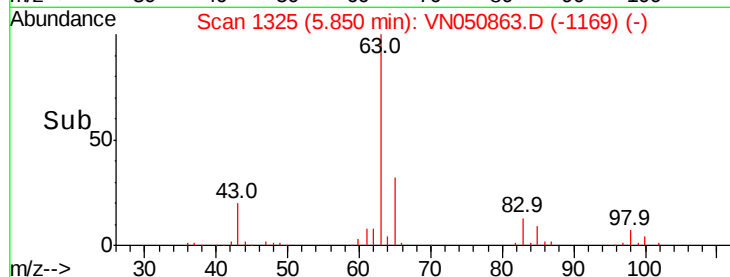
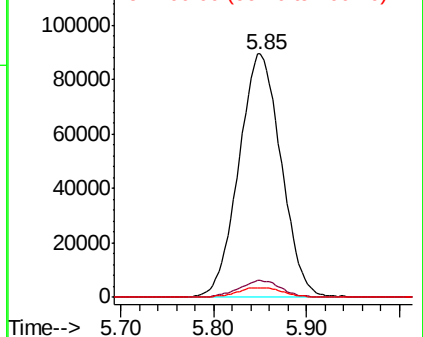
#21
 1,1-Dichloroethane
 Concen: 23.256 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion: 63 Resp: 283620
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.6
 100 3.8 2.3 6.8

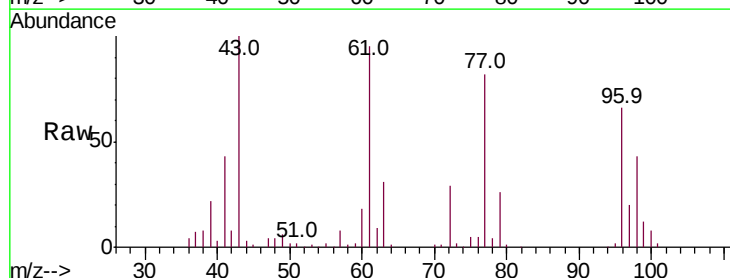


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

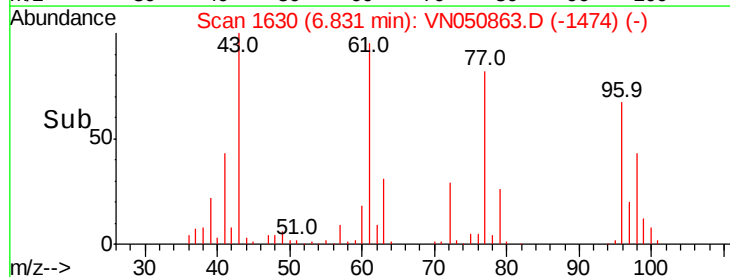
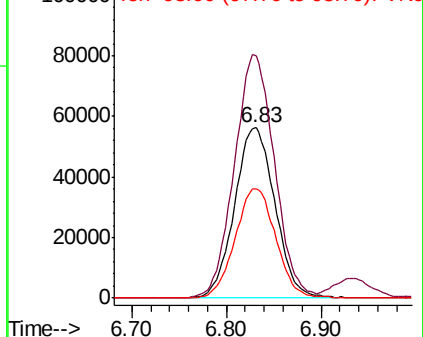


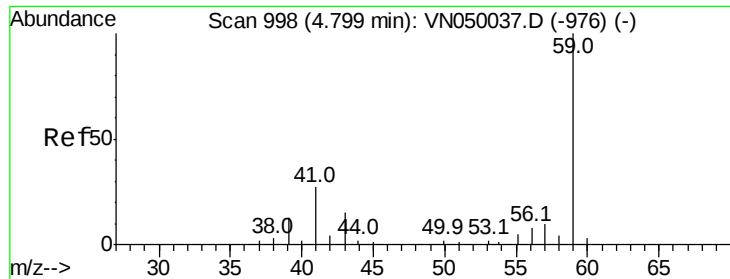
#22
 cis-1,2-Dichloroethene
 Concen: 23.521 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

Tgt Ion: 96 Resp: 167268
 Ion Ratio Lower Upper
 96 100
 61 141.4 114.2 171.2
 98 64.2 51.7 77.5



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



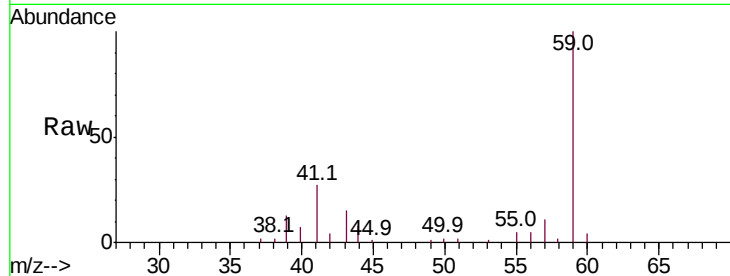


#23

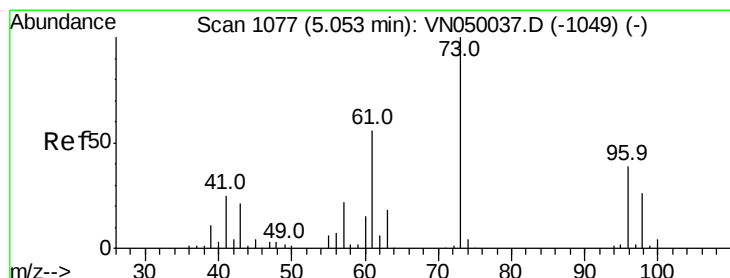
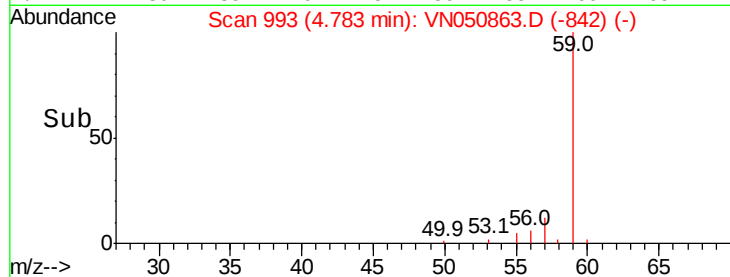
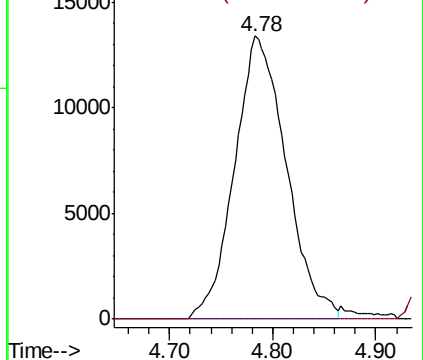
tert-Butyl Alcohol
 Concen: 91.146 ug/l
 RT: 4.78 min Scan# 993
 Delta R.T. -0.02 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion: 59 Resp: 46628
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



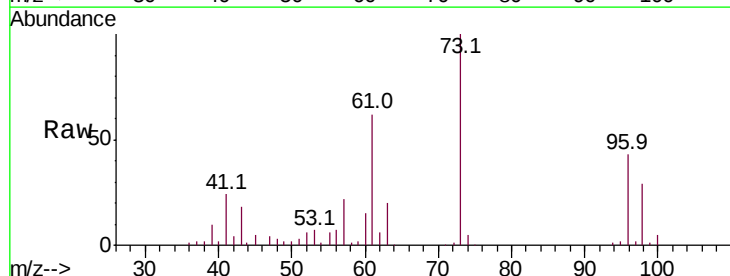
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



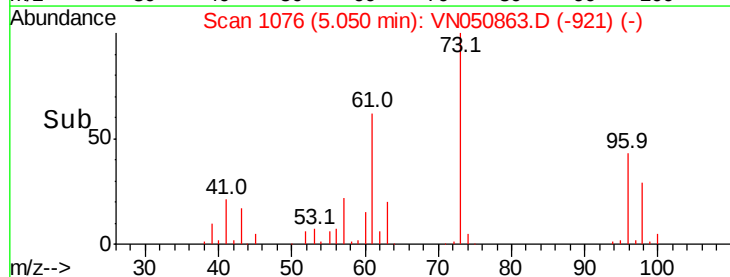
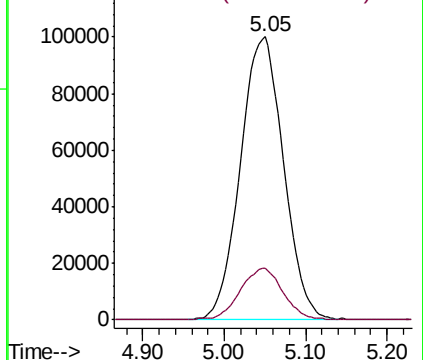
#24

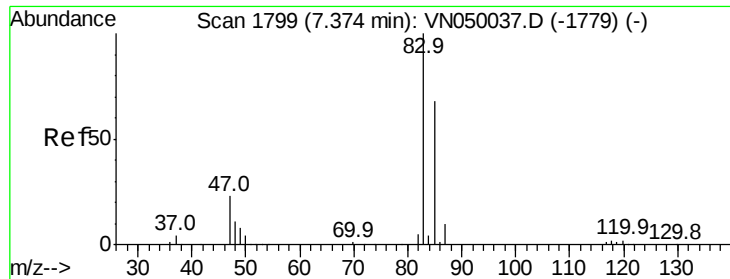
Methyl tert-Butyl Ether
 Concen: 22.491 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

Tgt Ion: 73 Resp: 367380
 Ion Ratio Lower Upper
 73 100
 43 18.3 15.5 23.3



Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 22.966 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampled :

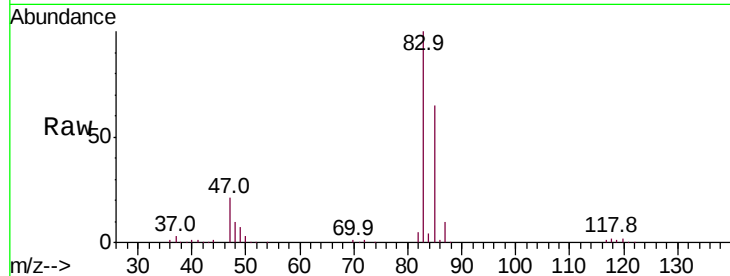
VN0824WBS01

Tot Ion: 83 Resp: 283526

Ion Ratio Lower Upper

83 100

85 64.8 52.1 78.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

120000

100000

80000

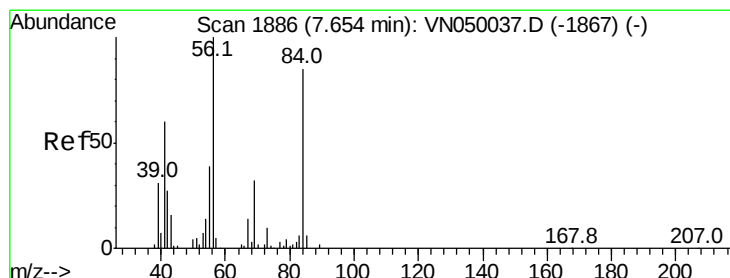
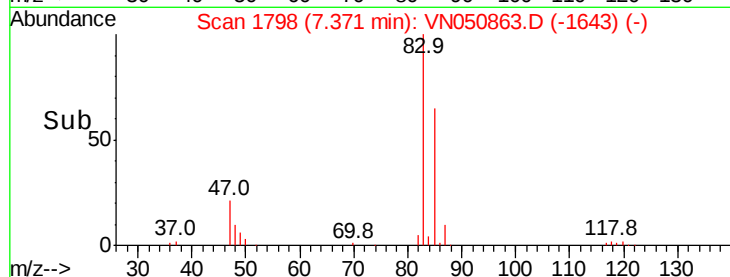
60000

40000

20000

0

Time-->



#26

Cyclohexane

Concen: 25.081 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

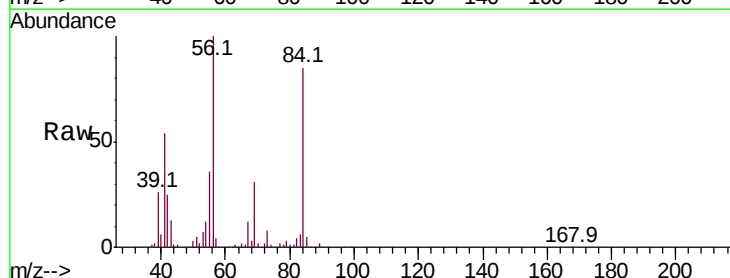
Tgt Ion: 56 Resp: 243063

Ion Ratio Lower Upper

56 100

89 2.5 3.0 4.4#

84 85.9 69.8 104.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

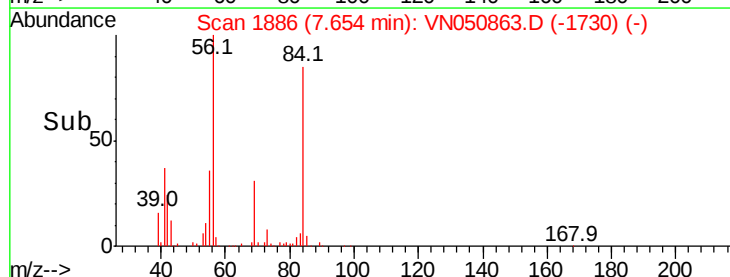
150000

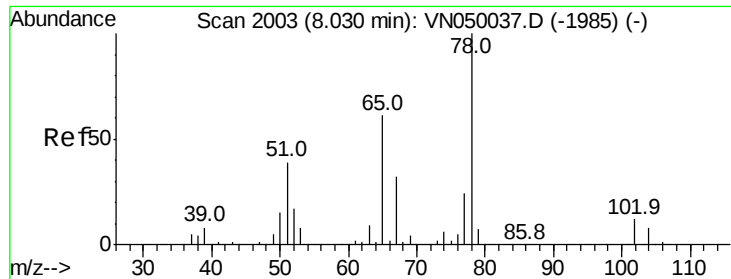
100000

50000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 28.571 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

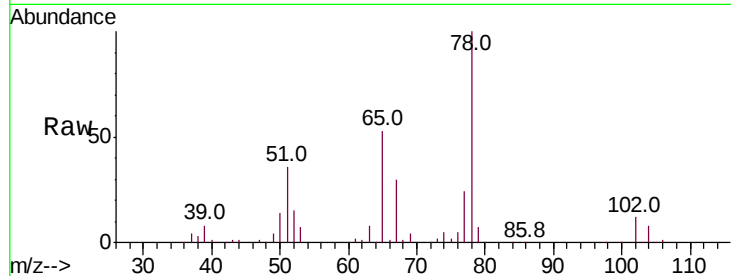
VN0824WBS01

Tot Ion: 65 Resp: 218162

Ion Ratio Lower Upper

65 100

67 56.5 42.7 64.1



Abundance Ion 65.00 (64.70 to 65.70): VN050037.D (-1985) (-)

Ion 67.00 (66.70 to 67.70): VN050037.D (-1985) (-)

8.03

100000

80000

60000

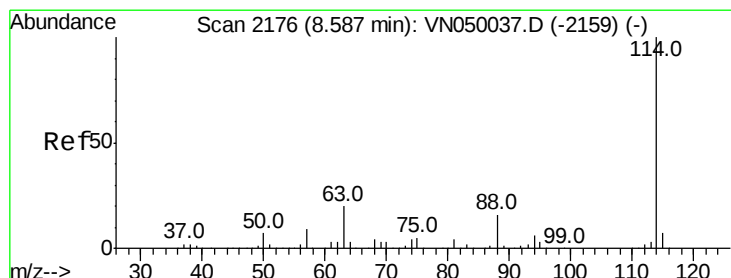
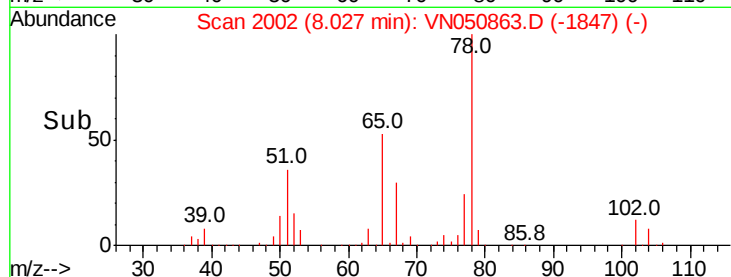
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

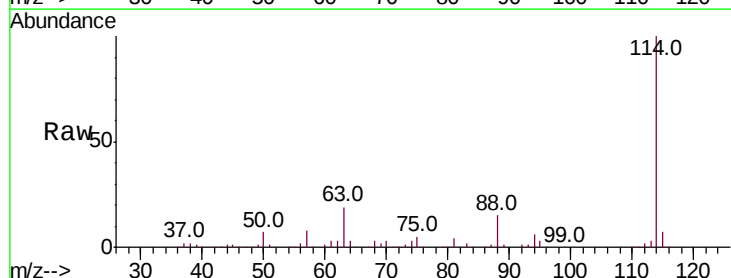
Tgt Ion:114 Resp: 616841

Ion Ratio Lower Upper

114 100

63 19.4 16.2 24.2

88 15.4 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): VN050037.D (-2159) (-)

Ion 63.00 (62.70 to 63.70): VN050037.D (-2159) (-)

Ion 88.00 (87.70 to 88.70): VN050037.D (-2159) (-)

8.59

400000

300000

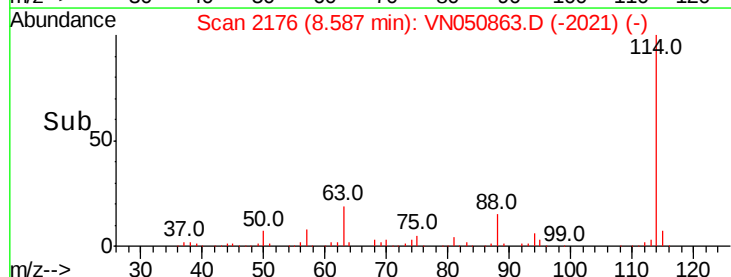
200000

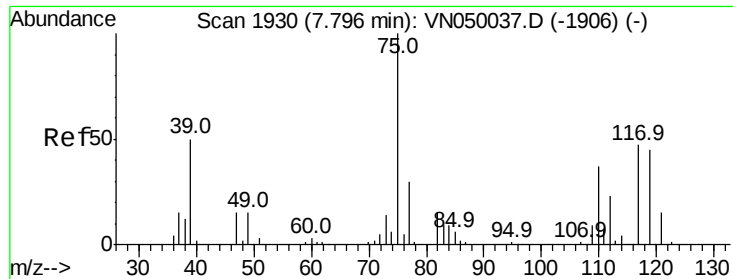
100000

0

8.50 8.60 8.70

Time-->





#29

1,1-Dichloropropene

Concen: 22.907 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

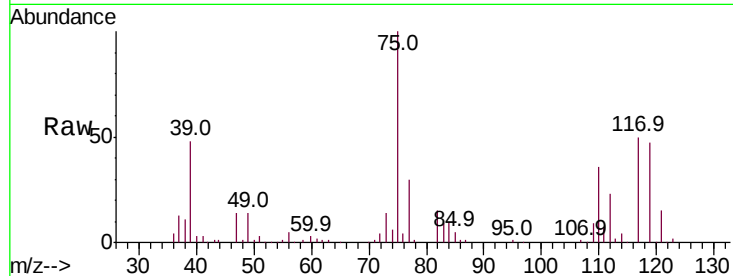
Tot Ion: 75 Resp: 219291

Ion Ratio Lower Upper

75 100

110 35.2 0.0 73.2

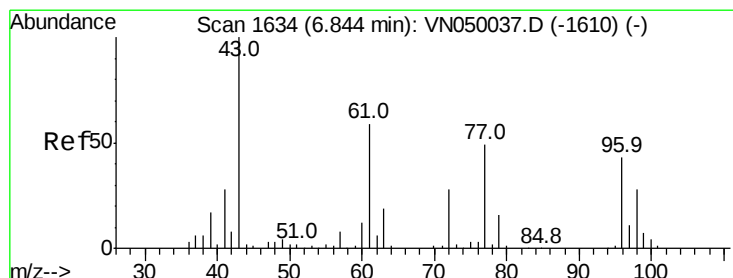
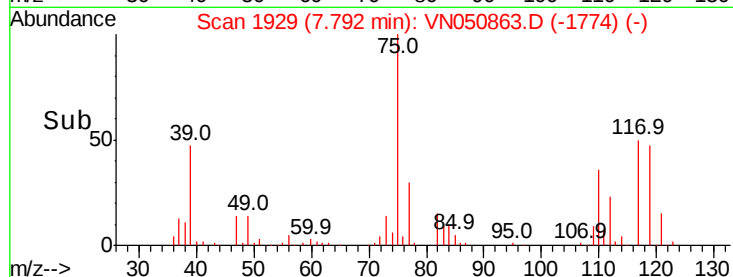
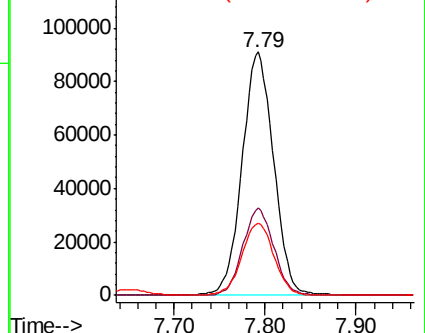
77 30.3 0.0 62.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 110.00 (109.70 to 110.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 89.728 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.01 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

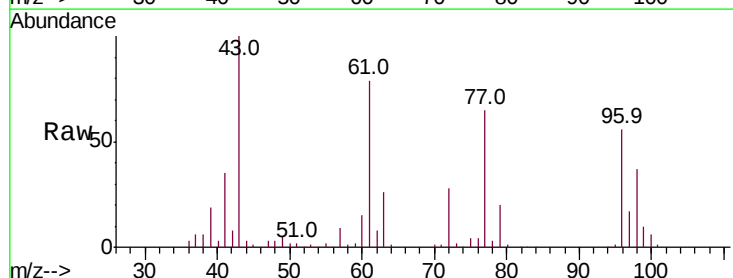
Tgt Ion: 43 Resp: 269538

Ion Ratio Lower Upper

43 100

57 8.4 6.8 10.2

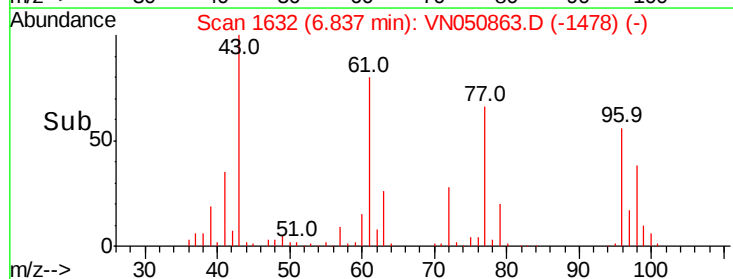
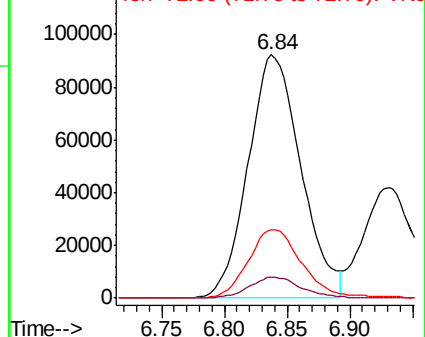
72 28.6 21.4 32.0

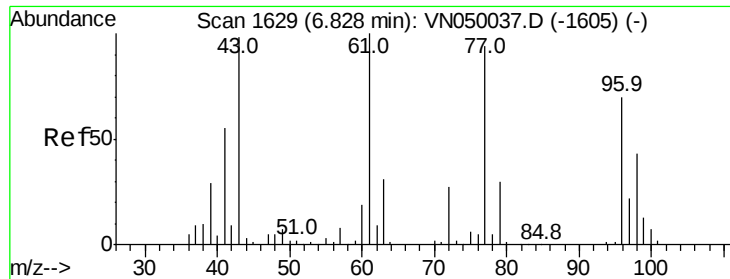


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

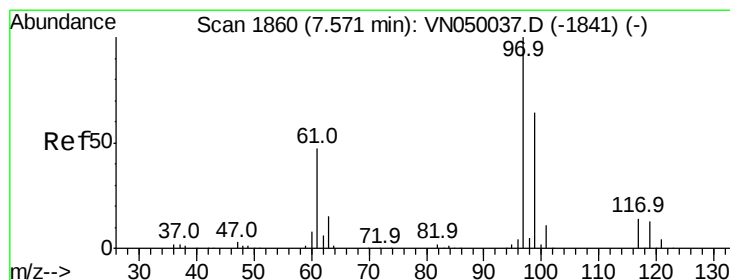
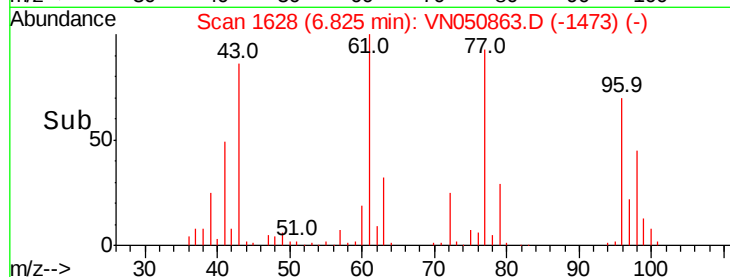
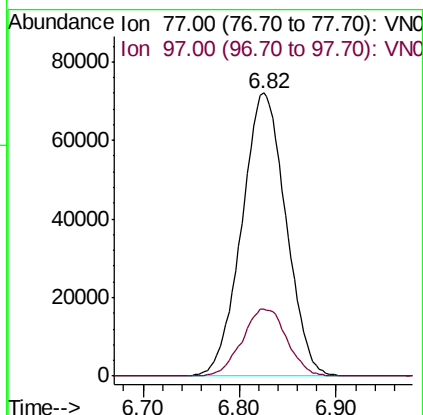
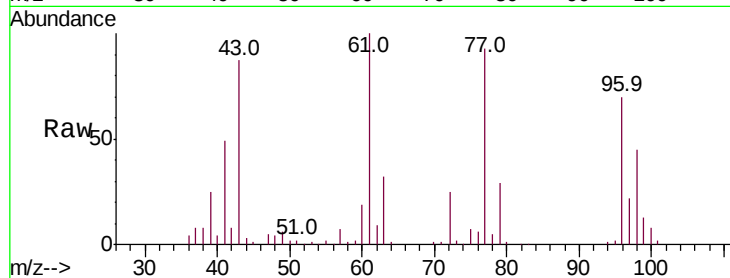




#31
 2,2-Dichloropropane
 Concen: 21.562 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

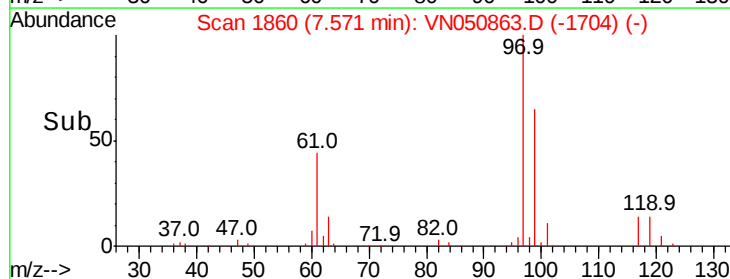
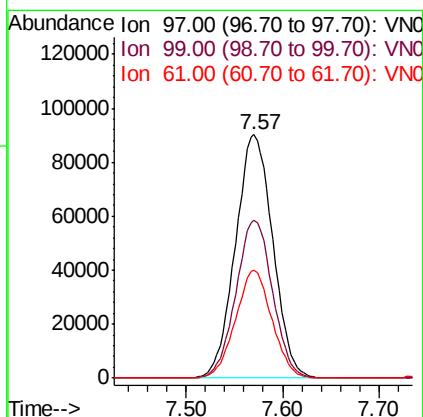
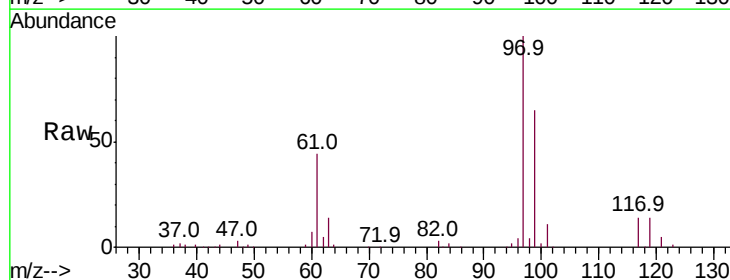
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

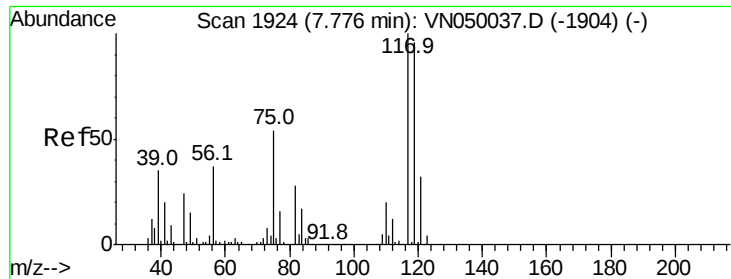
Tot Ion: 77 Resp: 228164
 Ion Ratio Lower Upper
 77 100
 97 24.0 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 21.561 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

Tgt Ion: 97 Resp: 242945
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.2 76.8
 61 43.0 35.3 52.9

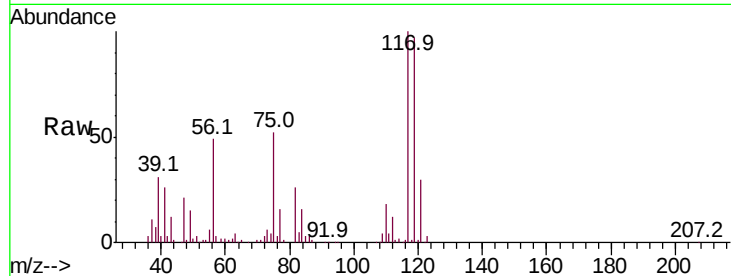




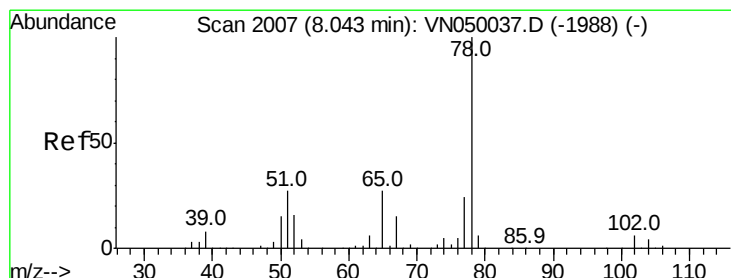
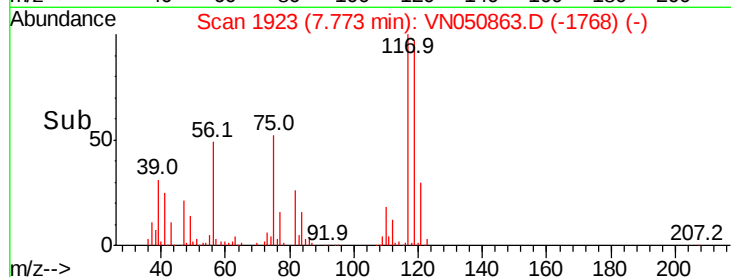
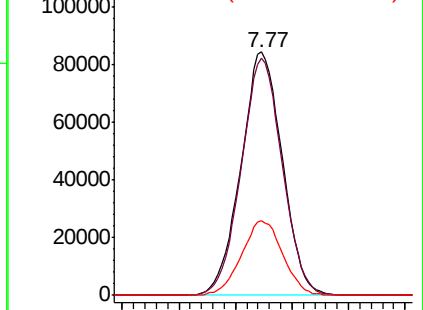
#33
Carbon Tetrachloride
Concen: 21.315 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

Instrument :
MSVOA_N
ClientSampled :
VN0824WBS01

Tot Ion:117 Resp: 214088
Ion Ratio Lower Upper
117 100
119 97.3 76.9 115.3
121 30.5 24.4 36.6

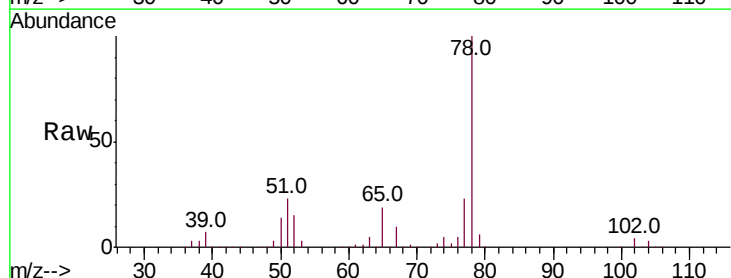


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

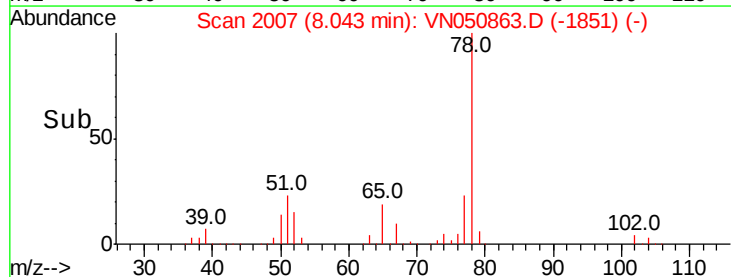
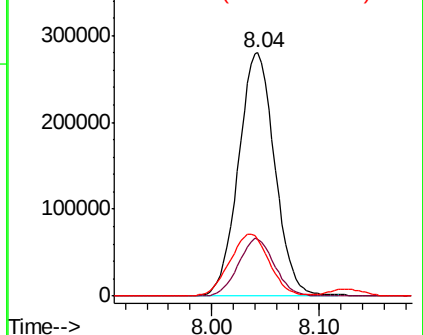


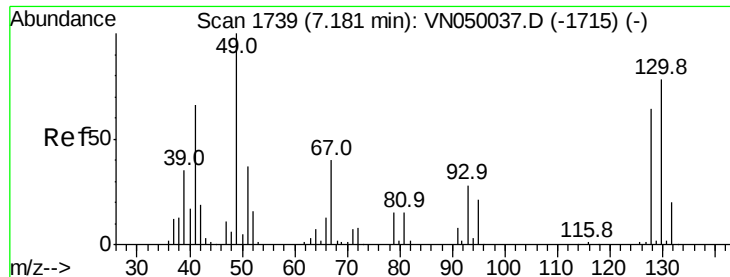
#34
Benzene
Concen: 22.564 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

Tgt Ion: 78 Resp: 656006
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7
51 23.1 21.0 31.4



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

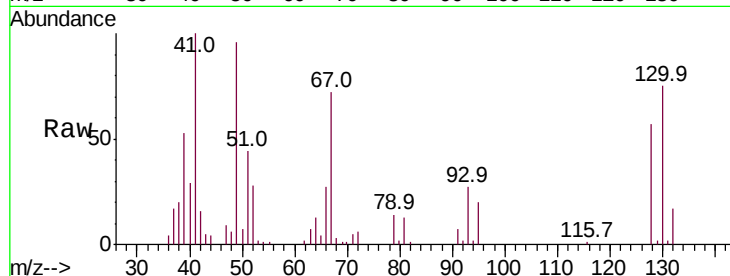




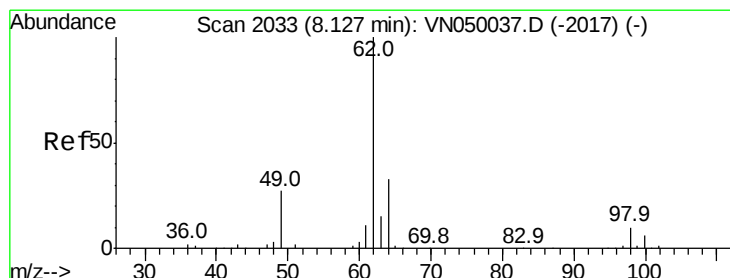
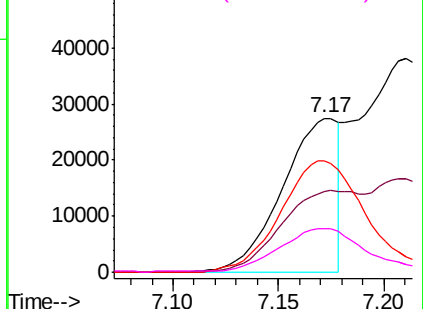
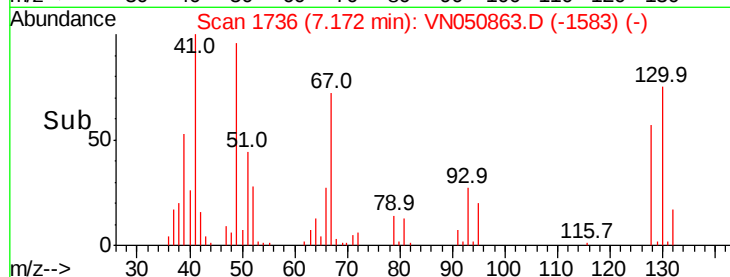
#35
Methacrylonitrile
Concen: 14.821 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion: 41 Resp: 50691
Ion Ratio Lower Upper
41 100
39 52.7 27.6 82.7
67 72.4 35.1 105.5
52 27.8 14.1 42.4

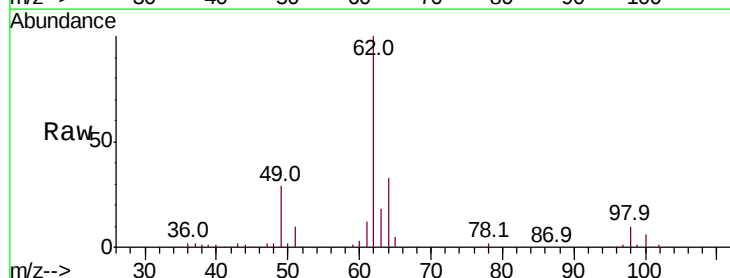


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

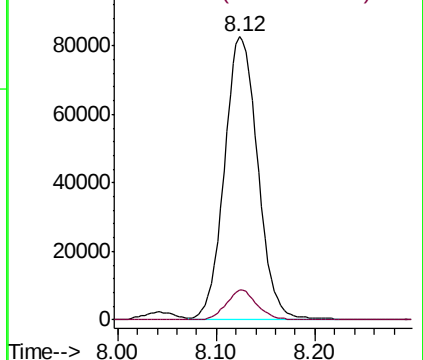
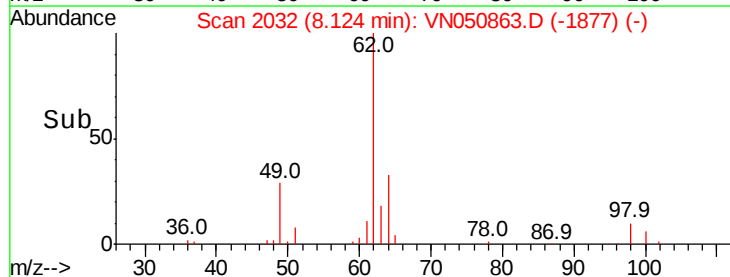


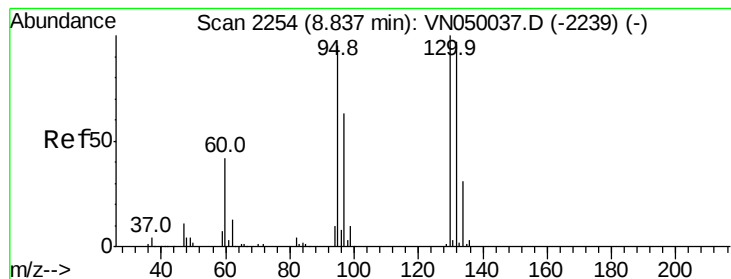
#36
1,2-Dichloroethane
Concen: 20.367 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

Tgt Ion: 62 Resp: 194419
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.6



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





#37

Trichloroethene

Concen: 22.386 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

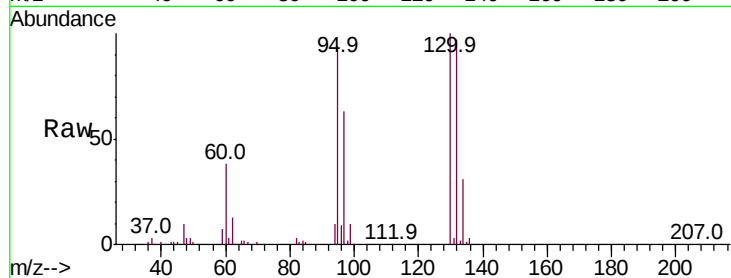
VN0824WBS01

Tot Ion:130 Resp: 170691

Ion Ratio Lower Upper

130 100

95 93.6 79.7 119.5



Abundance Ion 129.90 (129.60 to 130.60): VN050037.D (-2239) (-)

Ion 94.90 (94.60 to 95.60): VN050037.D (-2239) (-)

8.83

80000

60000

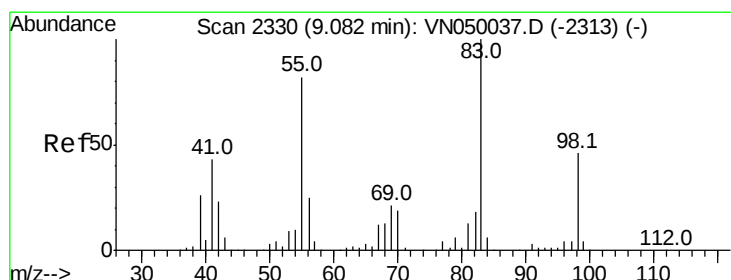
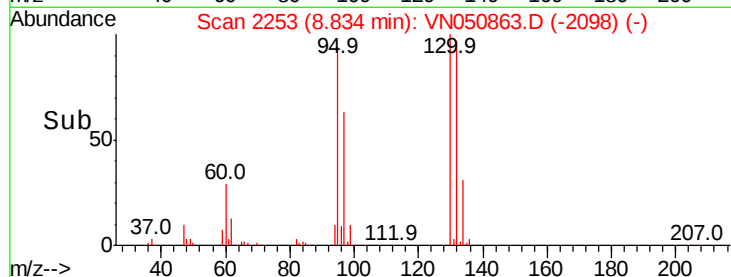
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 22.616 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

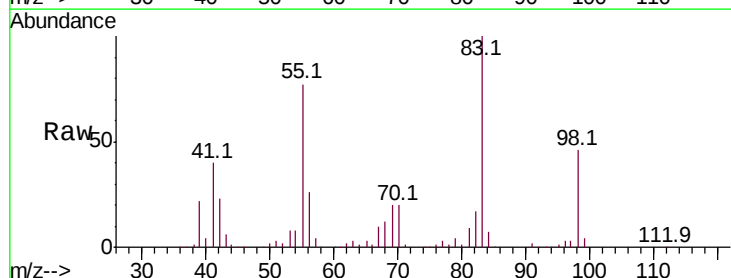
Tgt Ion: 83 Resp: 228244

Ion Ratio Lower Upper

83 100

55 78.2 39.3 117.8

98 45.8 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-2313) (-)

Ion 55.00 (54.70 to 55.70): VN050037.D (-2313) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-2313) (-)

9.08

150000

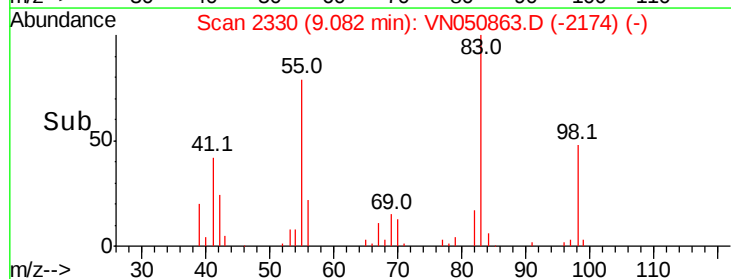
100000

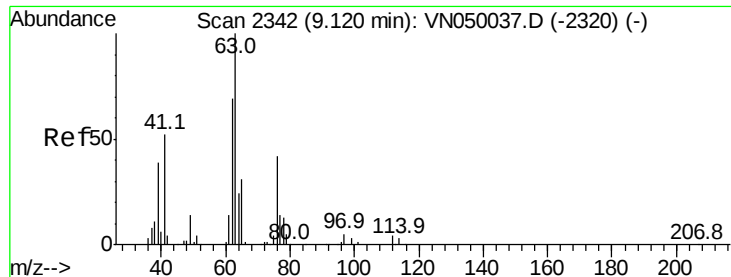
50000

0

9.00 9.05 9.10 9.15 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 22.251 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

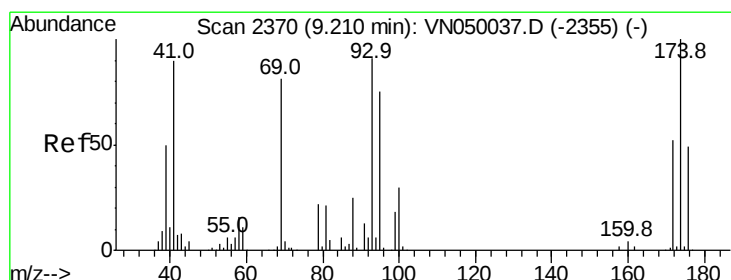
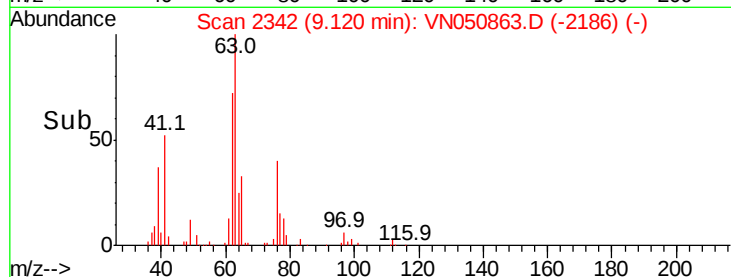
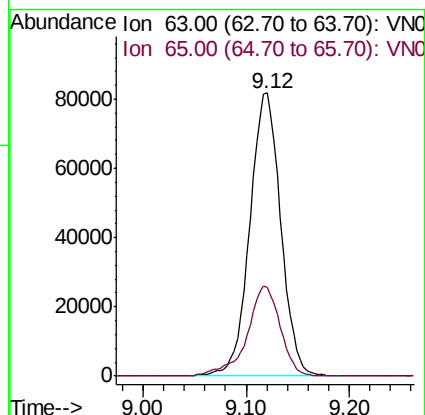
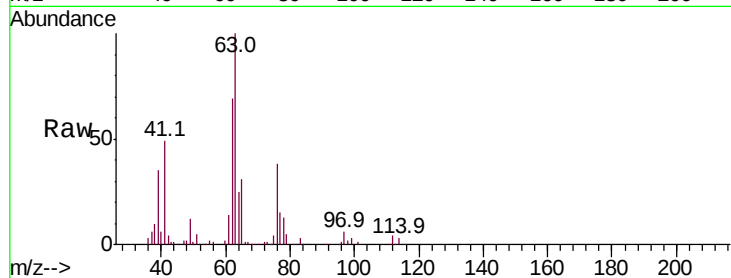
VN0824WBS01

Tot Ion: 63 Resp: 170413

Ion Ratio Lower Upper

63 100

65 31.4 24.2 36.2



#40

Dibromomethane

Concen: 21.177 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

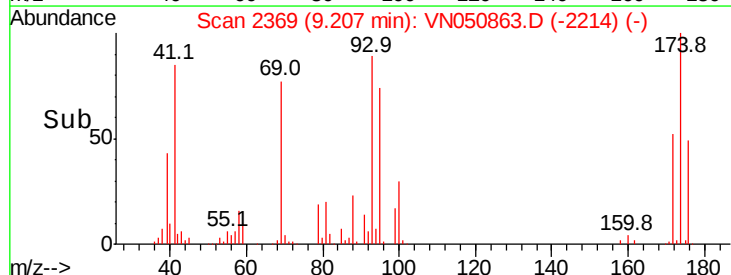
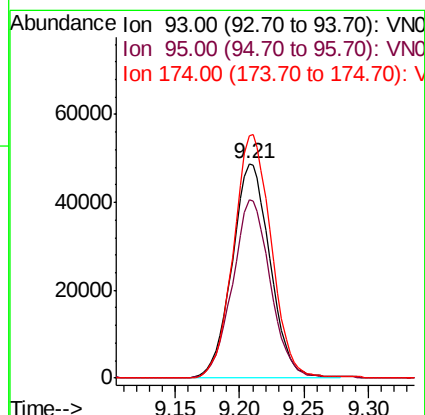
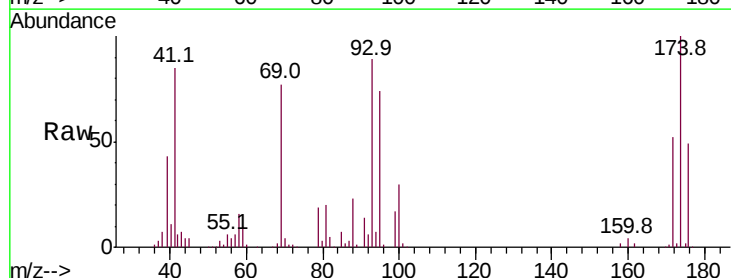
Tgt Ion: 93 Resp: 100237

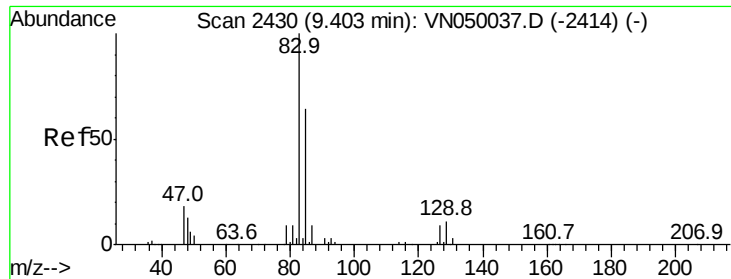
Ion Ratio Lower Upper

93 100

95 82.7 0.0 165.6

174 112.1 0.0 223.2





#41

Bromodichloromethane

Concen: 21.041 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

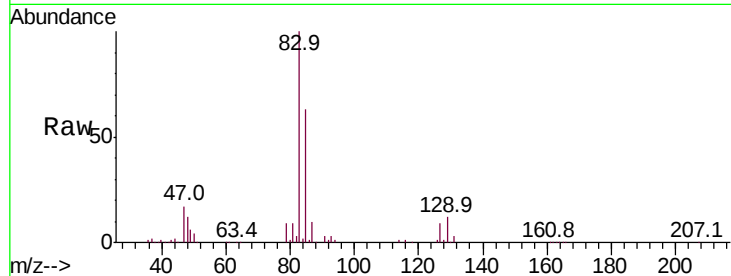
Tot Ion: 83 Resp: 210084

Ion Ratio Lower Upper

83 100

85 63.3 52.6 78.8

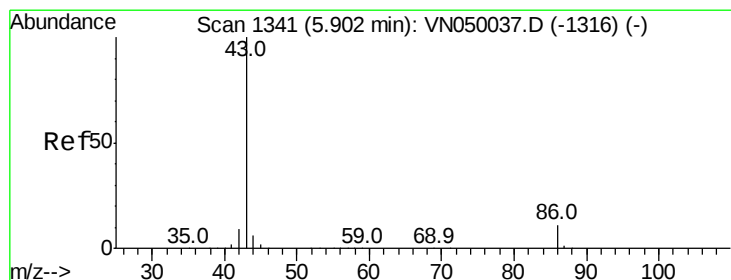
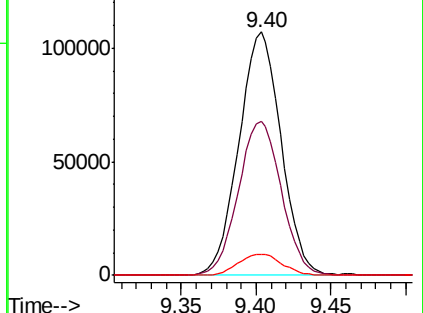
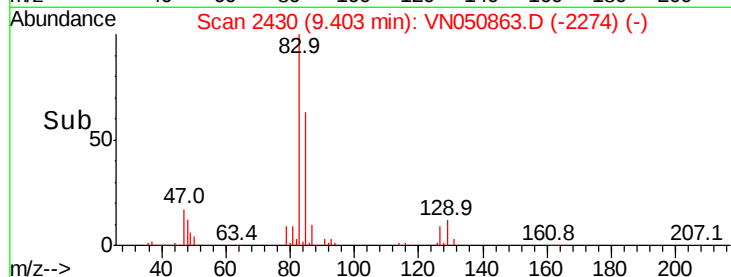
127 8.7 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 99.876 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050863.D

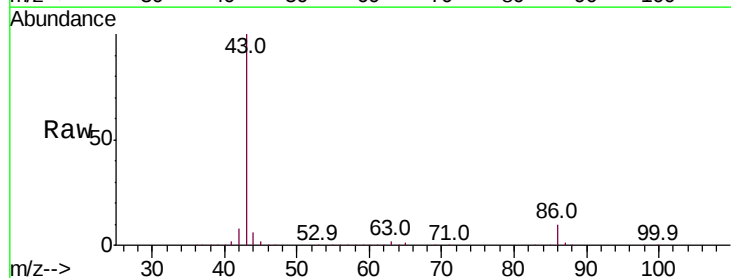
Acq: 24 Aug 2018 9:13

Tgt Ion: 43 Resp: 1411834

Ion Ratio Lower Upper

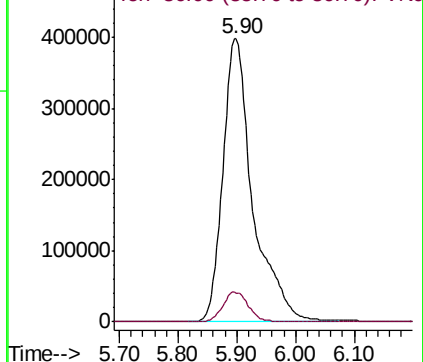
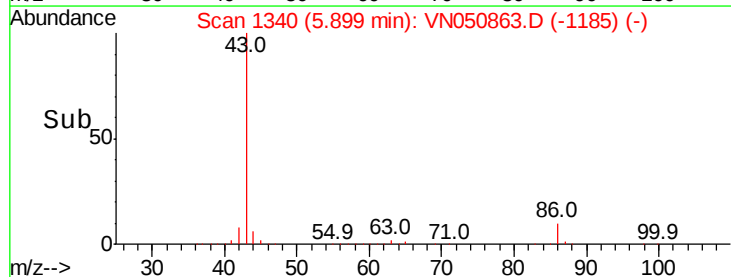
43 100

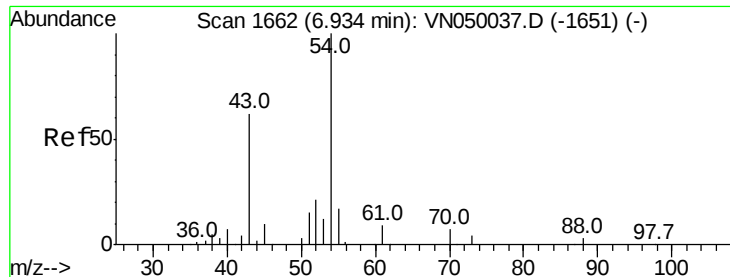
86 9.1 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 18.738 ug/l

RT: 6.93 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampled :

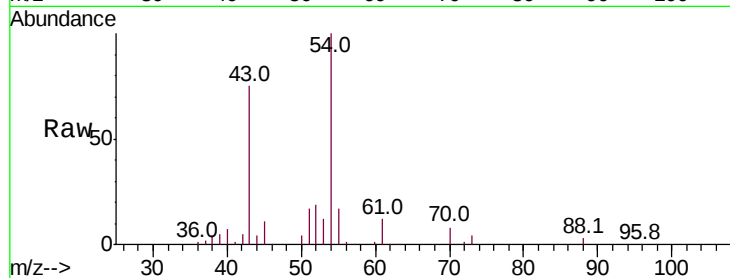
VN0824WBS01

Tot Ion: 43 Resp: 117541

Ion Ratio Lower Upper

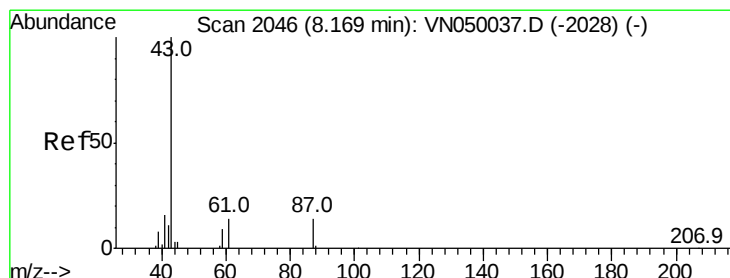
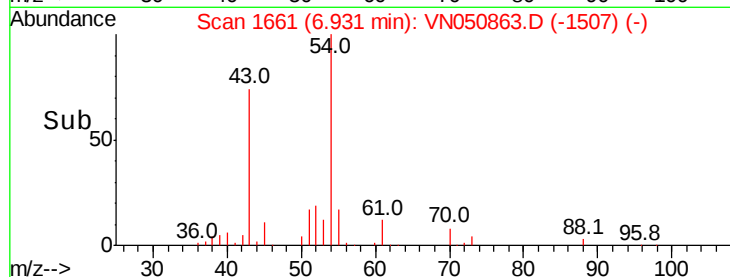
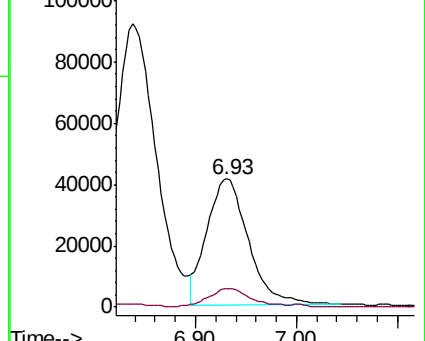
43 100

45 13.2 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 18.610 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050863.D

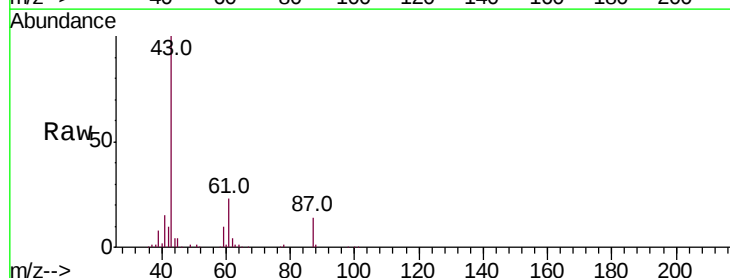
Acq: 24 Aug 2018 9:13

Tgt Ion: 43 Resp: 216251

Ion Ratio Lower Upper

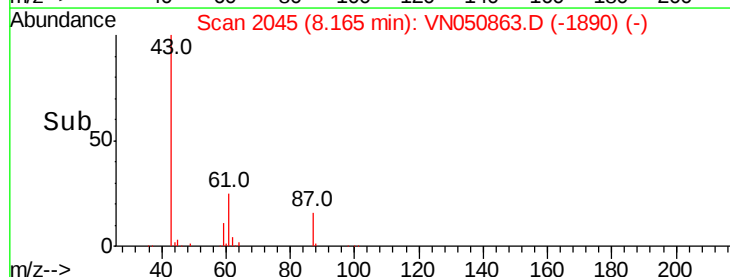
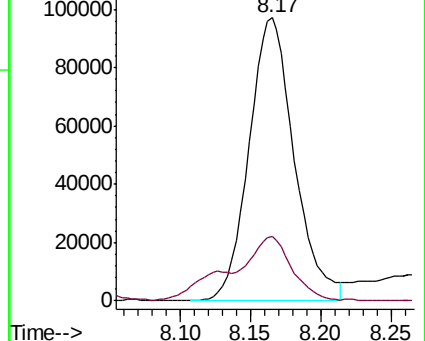
43 100

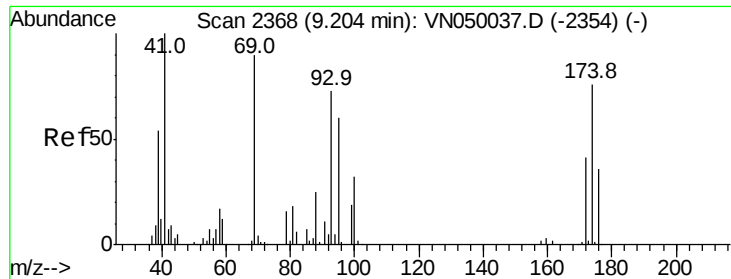
61 19.9 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

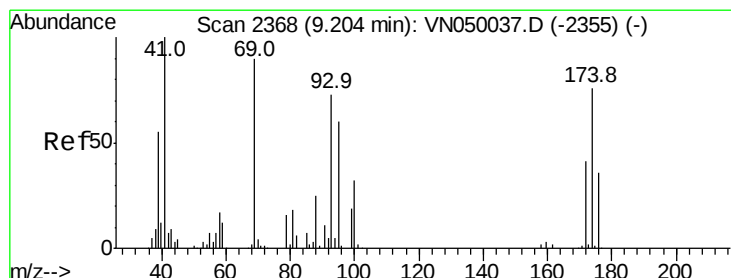
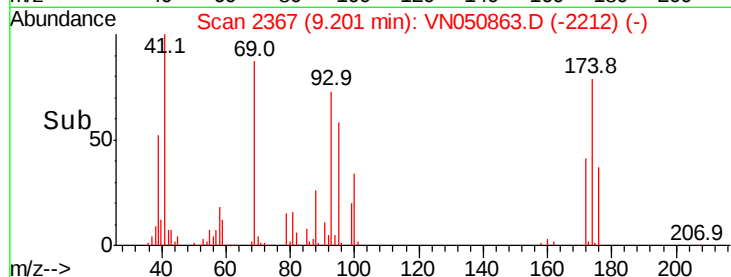
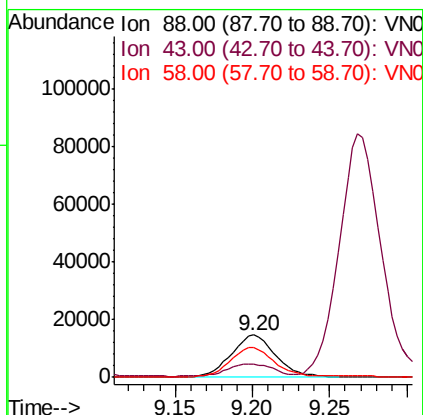
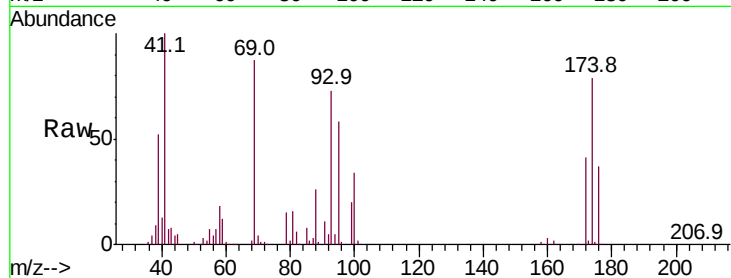




#45
1,4-Dioxane
Concen: 385.864 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

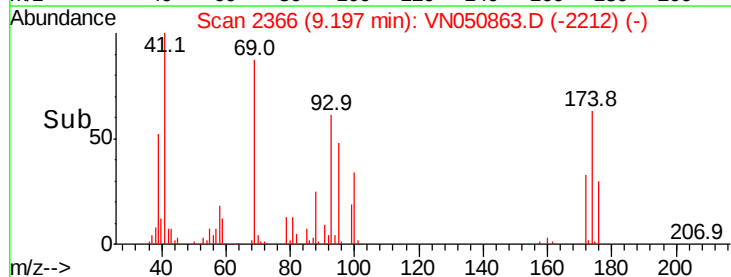
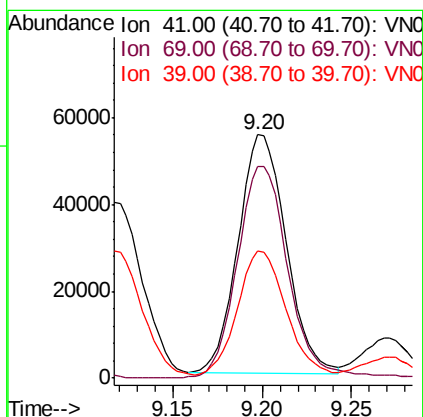
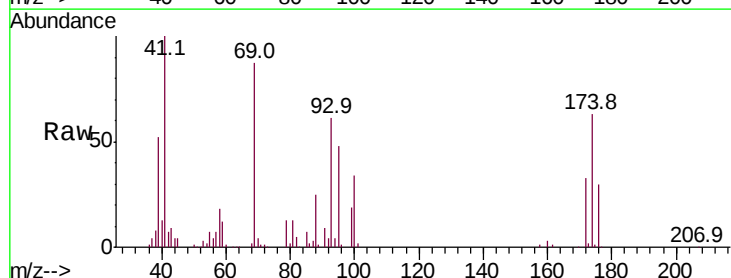
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

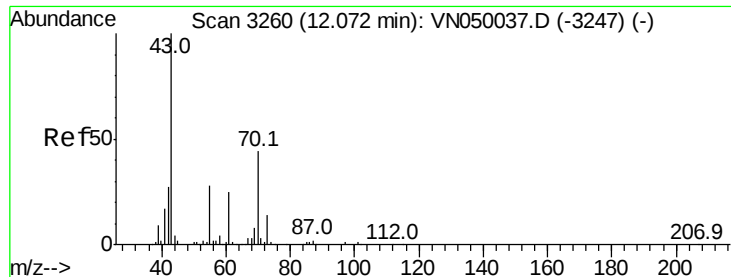
Tot Ion: 88 Resp: 29505
Ion Ratio Lower Upper
88 100
43 27.7 26.9 40.3
58 70.3 53.6 80.4



#46
Methyl methacrylate
Concen: 18.325 ug/l
RT: 9.20 min Scan# 2366
Delta R.T. -0.01 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

Tgt Ion: 41 Resp: 103229
Ion Ratio Lower Upper
41 100
69 88.6 44.0 132.1
39 51.6 27.0 80.8





#47

n-amvl Acetate

Concen: 17.519 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampled :

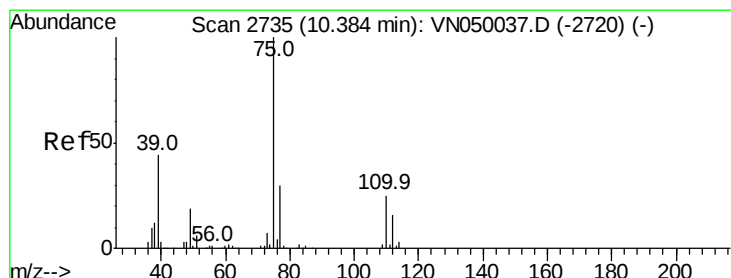
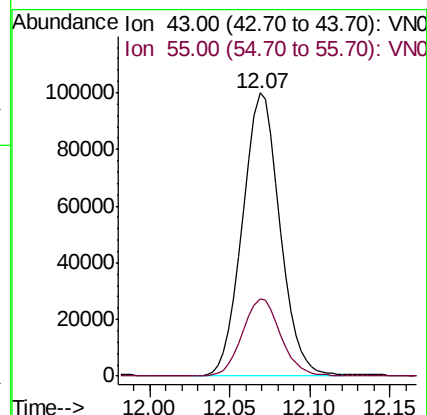
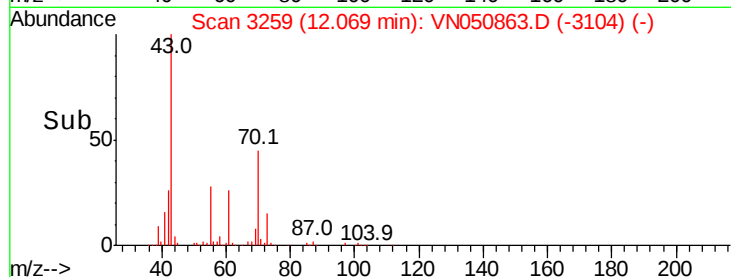
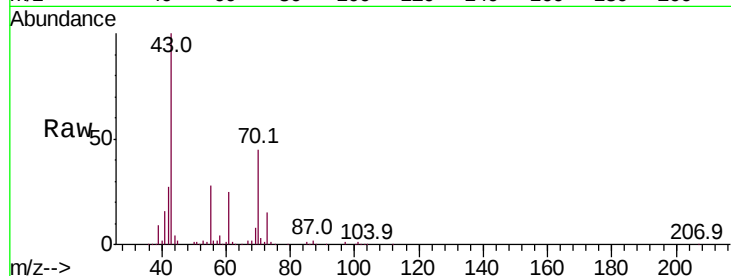
VN0824WBS01

Tot Ion: 43 Resp: 158402

Ion Ratio Lower Upper

43 100

55 28.2 21.0 31.4



#48

t-1,3-Dichloropropene

Concen: 21.166 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN050863.D

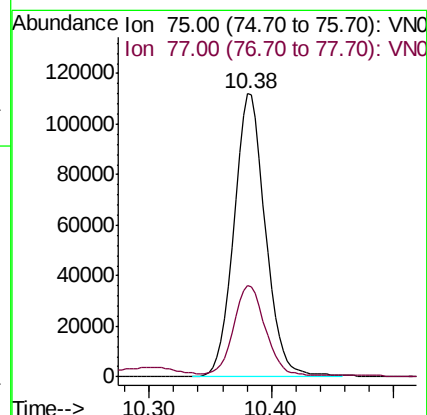
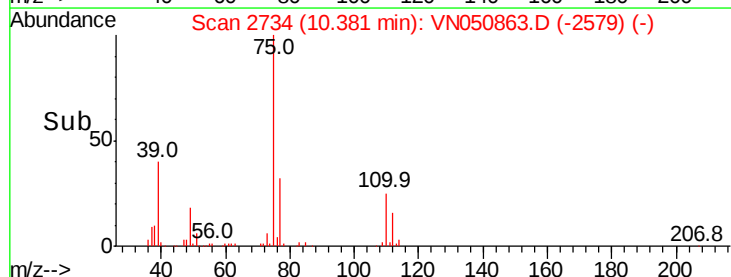
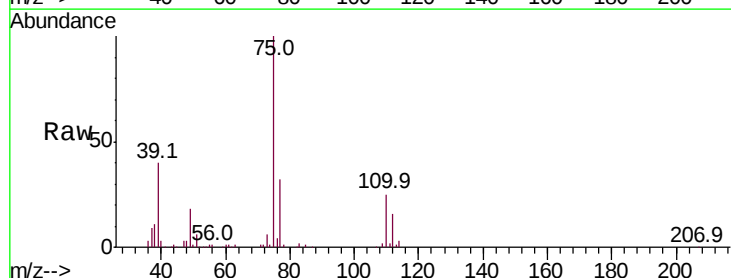
Acq: 24 Aug 2018 9:13

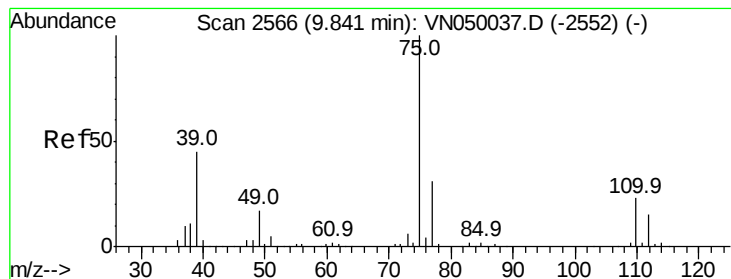
Tgt Ion: 75 Resp: 201440

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



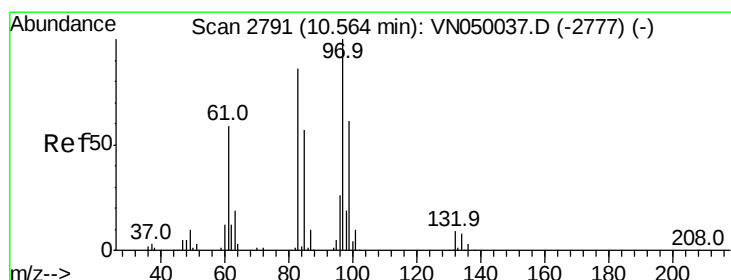
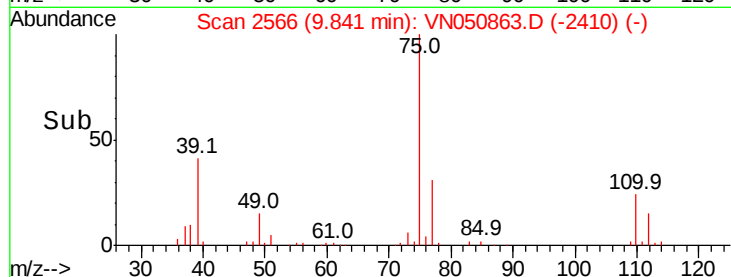
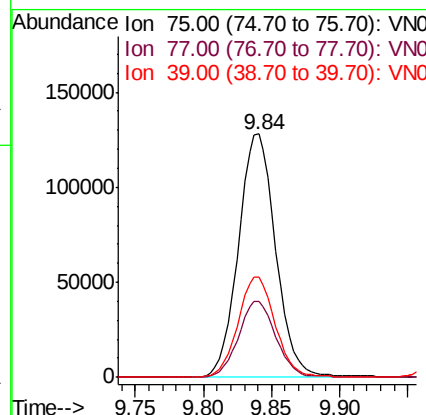
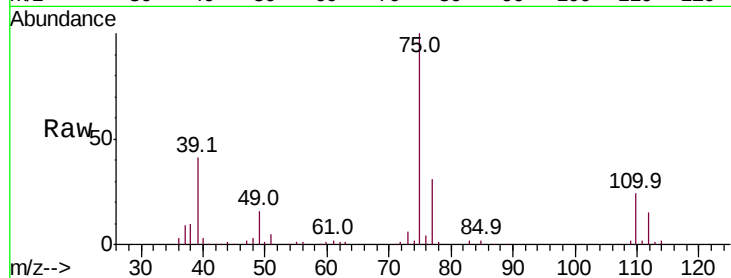


#49

cis-1,3-Dichloropropene
Concen: 21.667 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

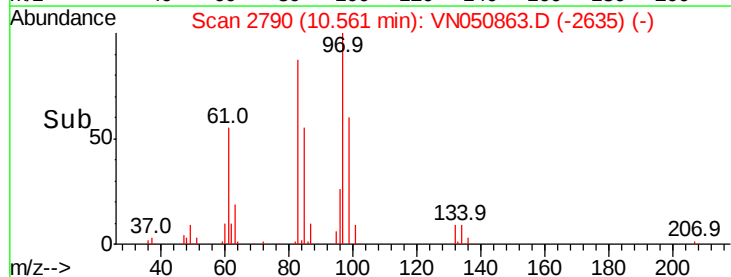
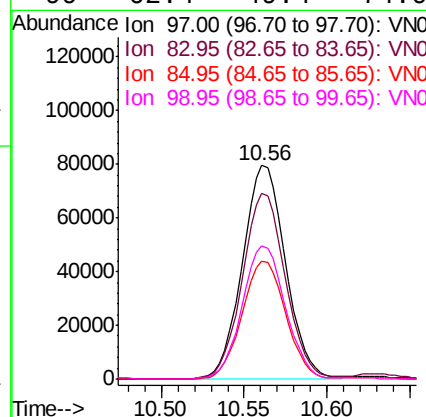
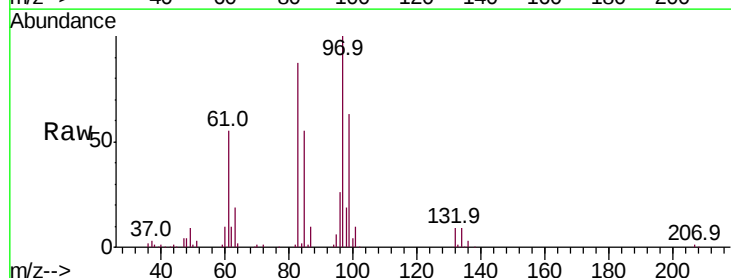
Tot Ion: 75 Resp: 242292
Ion Ratio Lower Upper
75 100
77 31.3 25.7 38.5
39 40.9 36.3 54.5

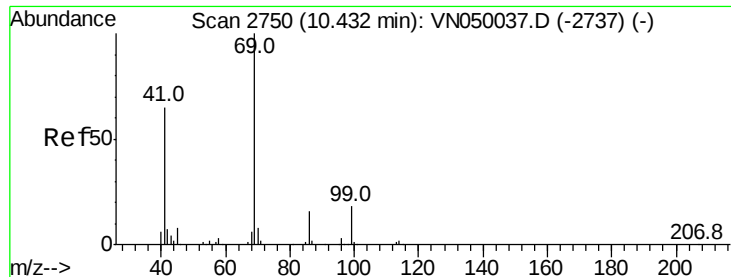


#50

1,1,2-Trichloroethane
Concen: 21.191 ug/l
RT: 10.56 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

Tgt Ion: 97 Resp: 143979
Ion Ratio Lower Upper
97 100
83 86.5 68.1 102.1
85 55.4 45.4 68.2
99 62.4 49.4 74.0





#51

Ethyl methacrylate

Concen: 19.255 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS01

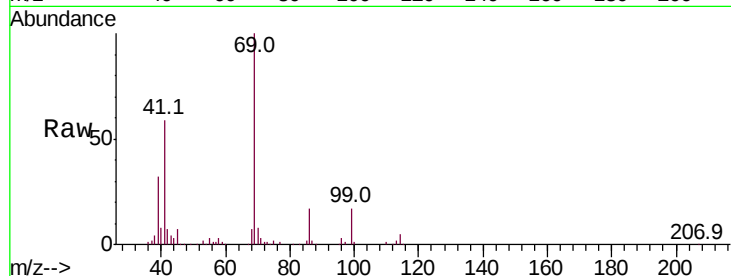
Tot Ion: 69 Resp: 158793

Ion Ratio Lower Upper

69 100

41 58.2 31.9 95.9

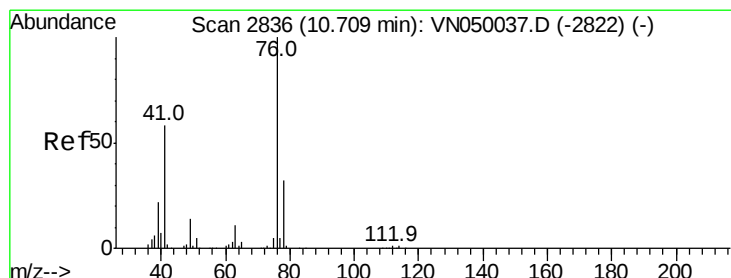
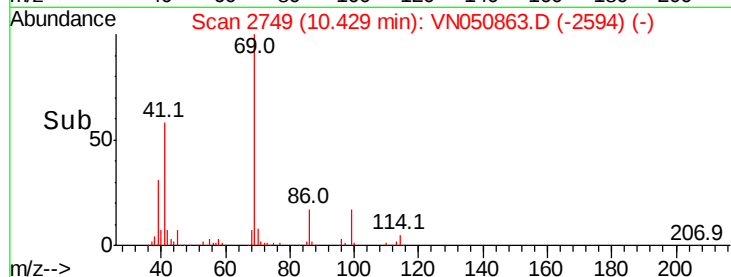
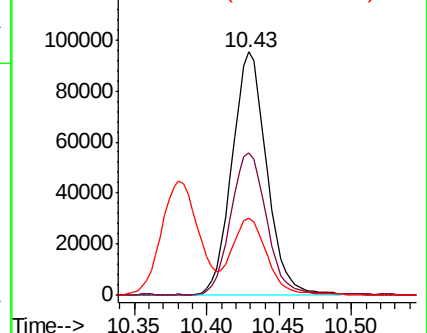
39 31.3 16.7 50.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 21.070 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050863.D

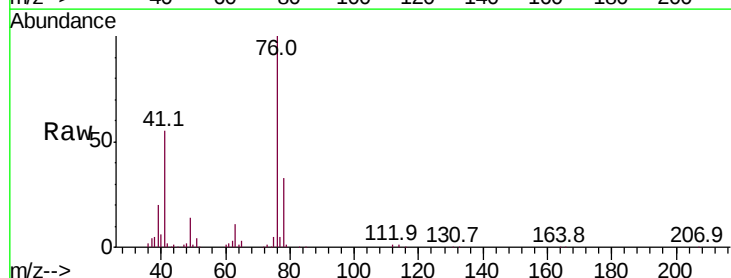
Acq: 24 Aug 2018 9:13

Tgt Ion: 76 Resp: 235075

Ion Ratio Lower Upper

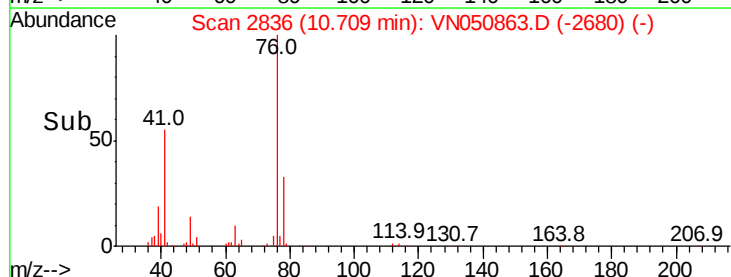
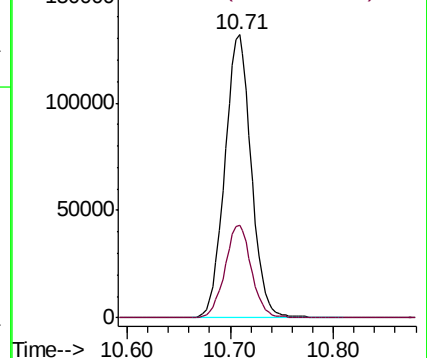
76 100

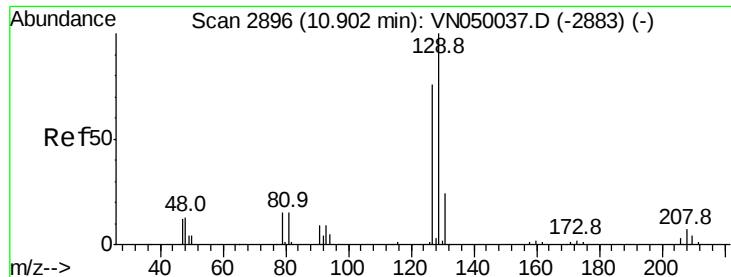
78 32.8 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.754 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

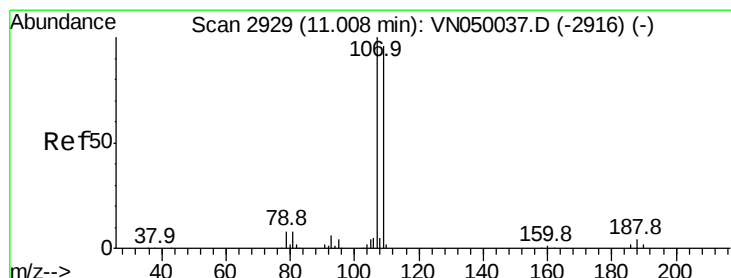
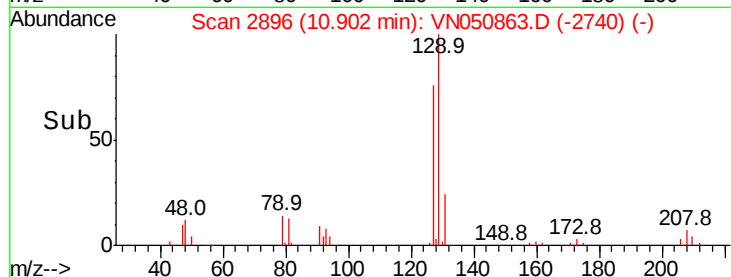
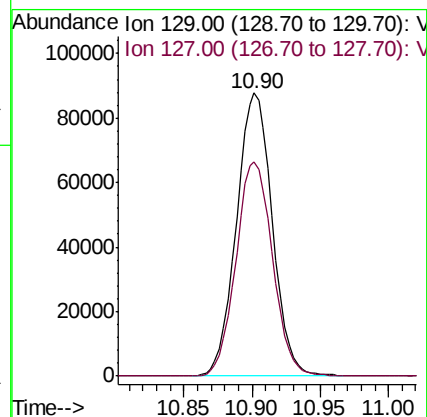
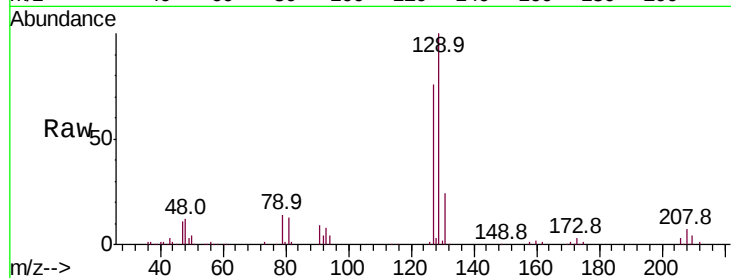
VN0824WBS01

Tot Ion:129 Resp: 160024

Ion Ratio Lower Upper

129 100

127 77.4 38.1 114.5



#54

1,2-Dibromoethane

Concen: 20.307 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050863.D

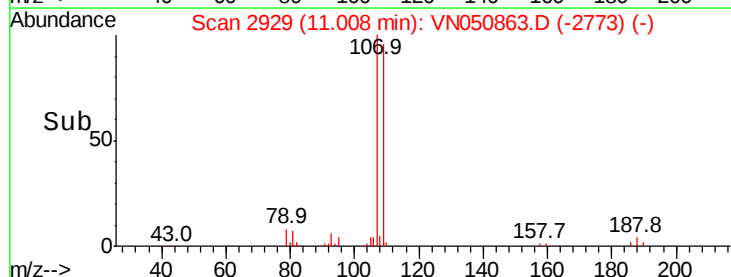
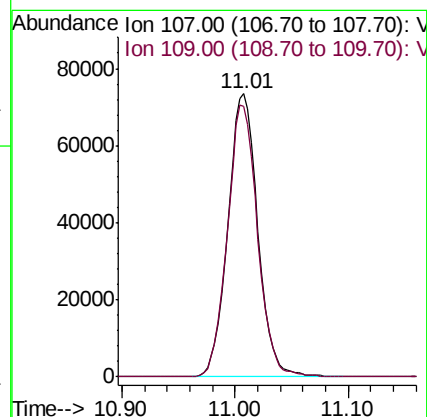
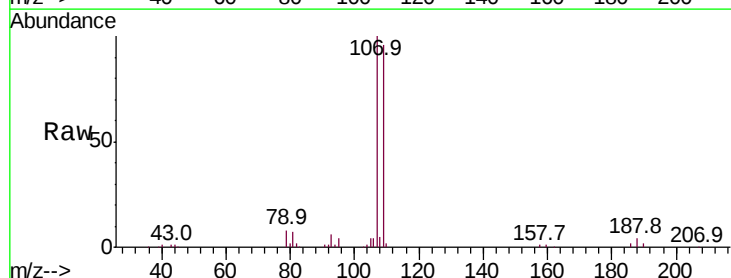
Acq: 24 Aug 2018 9:13

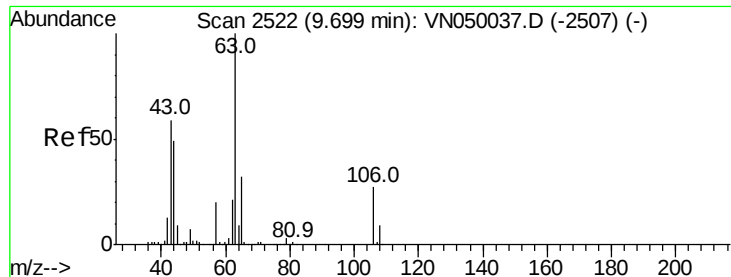
Tgt Ion:107 Resp: 135129

Ion Ratio Lower Upper

107 100

109 96.6 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 89.106 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

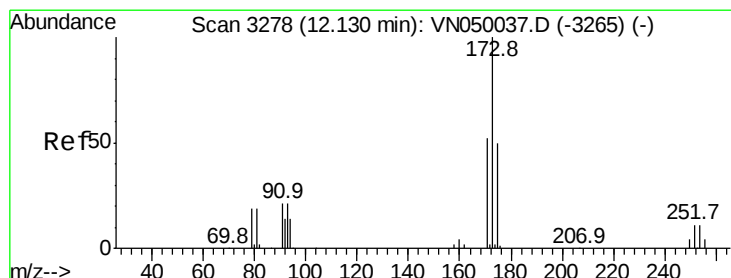
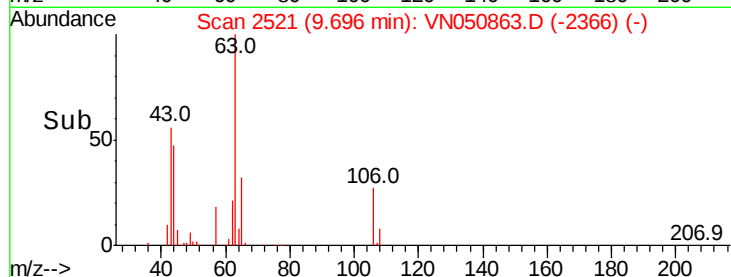
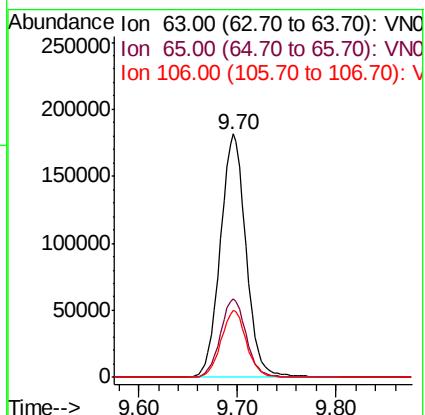
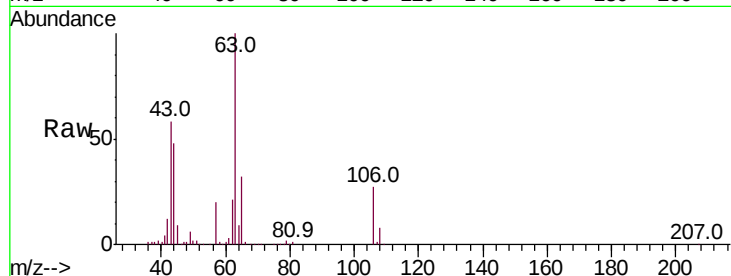
Tot Ion: 63 Resp: 332570

Ion Ratio Lower Upper

63 100

65 32.6 25.5 38.3

106 27.0 21.8 32.6



#56

Bromoform

Concen: 19.486 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

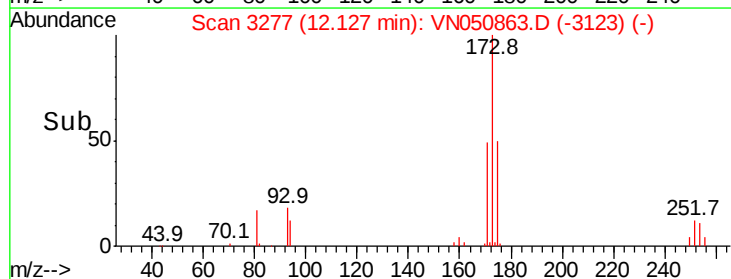
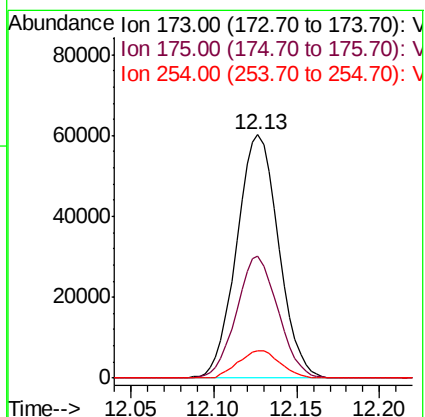
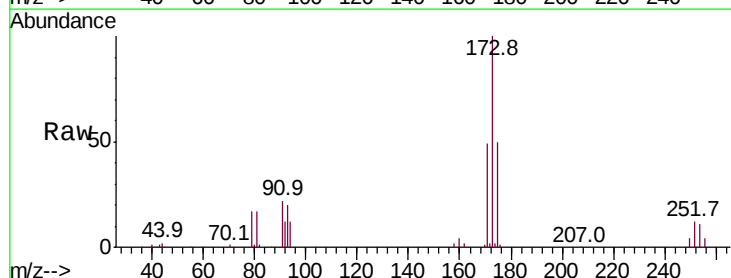
Tgt Ion: 173 Resp: 106094

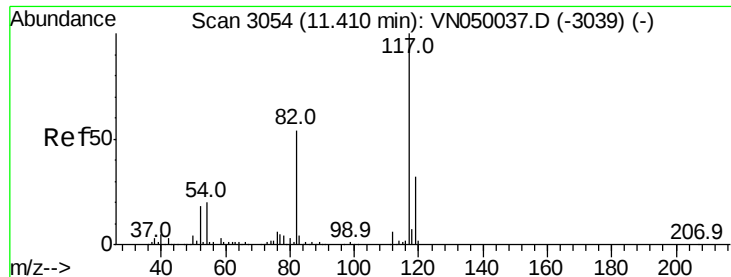
Ion Ratio Lower Upper

173 100

175 49.7 38.6 57.8

254 11.3 8.8 13.2

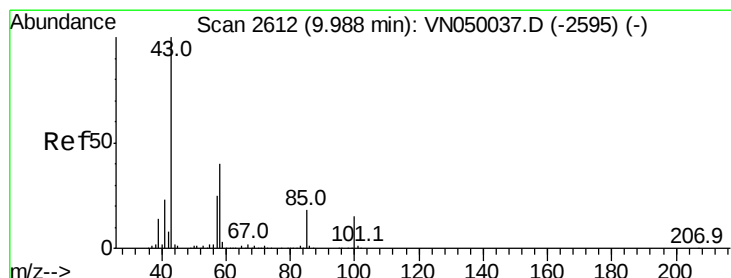
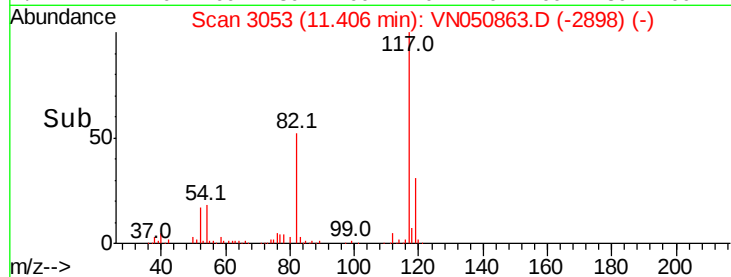
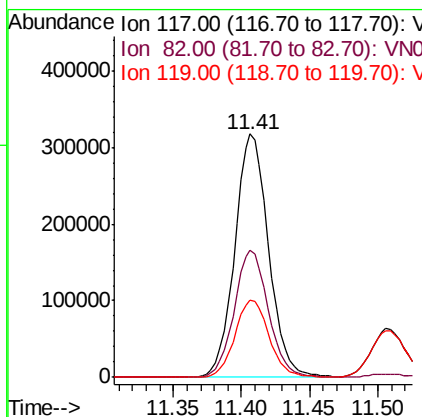
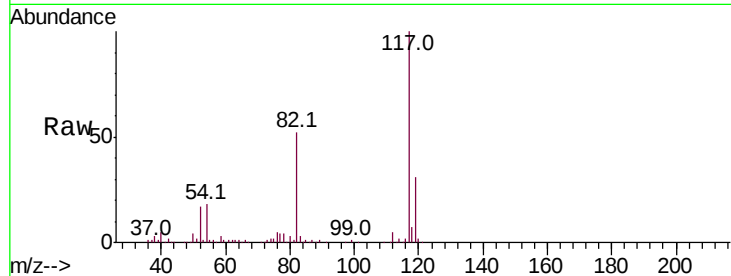




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

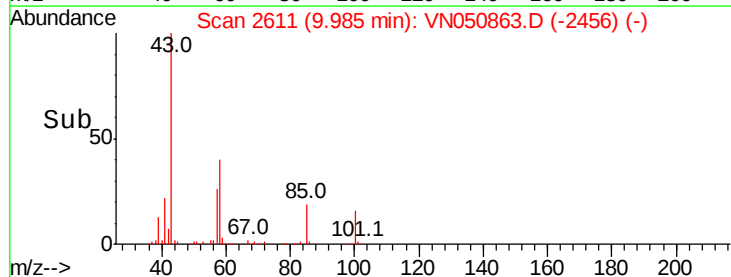
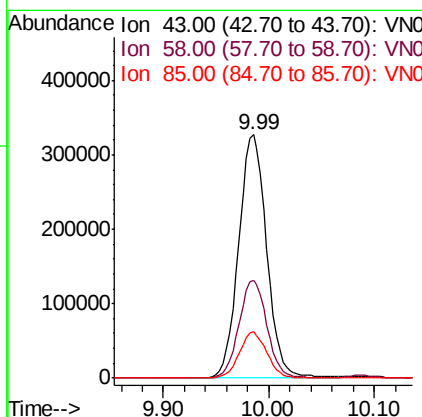
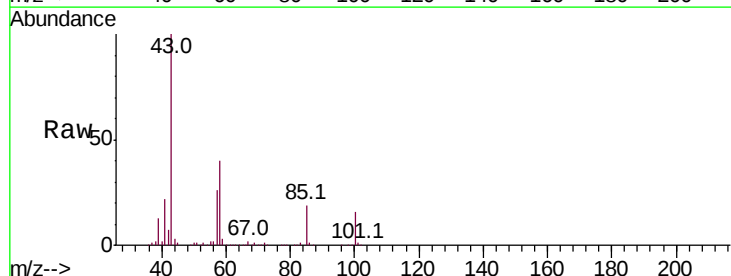
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

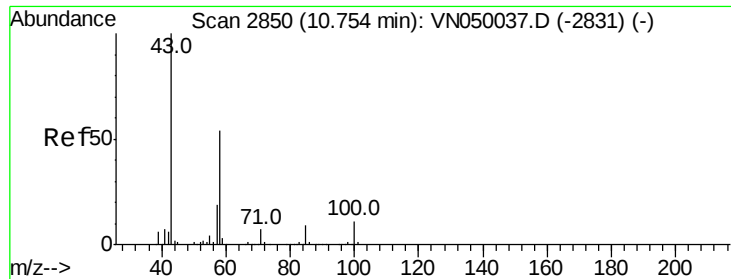
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.4	63.6
119	32.2	25.4	38.0



#58
4-Methyl-2-Pentanone
Concen: 94.764 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.2	46.8
85	18.6	14.4	21.6

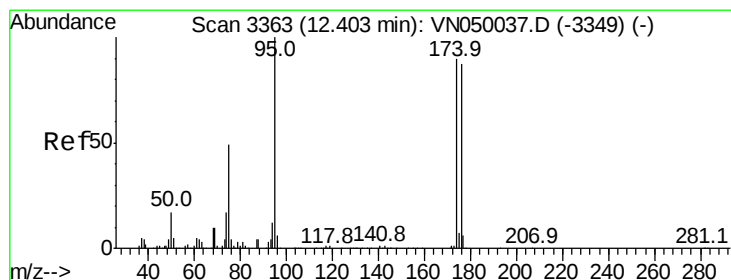
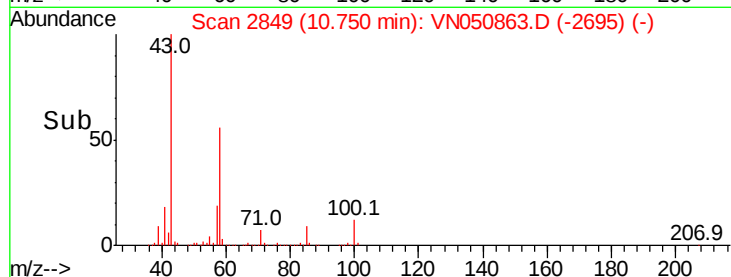
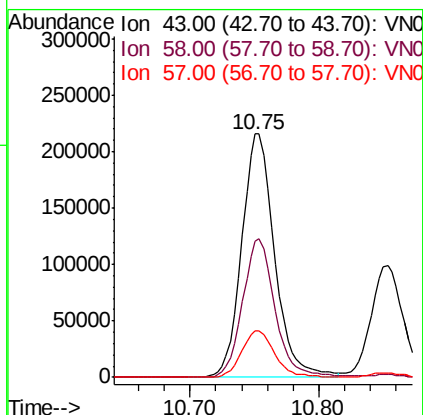
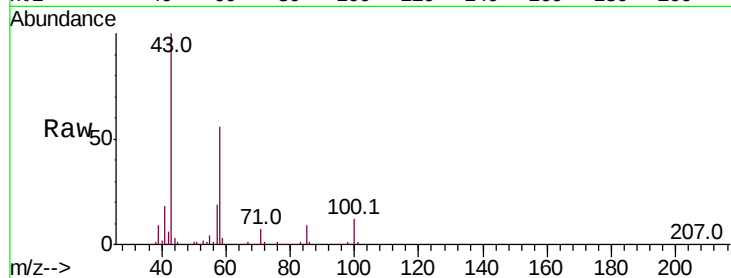




#59
2-Hexanone
Concen: 87.965 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

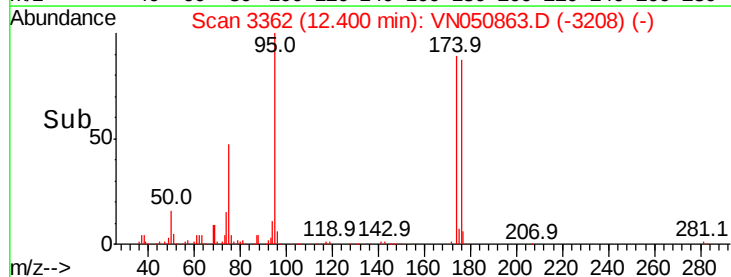
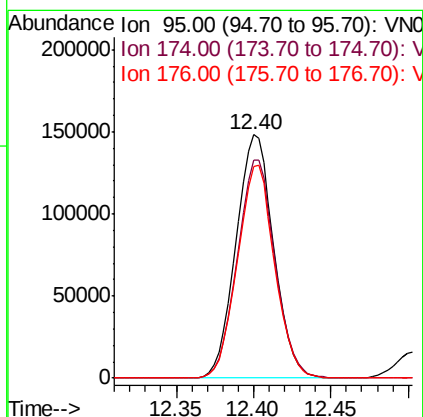
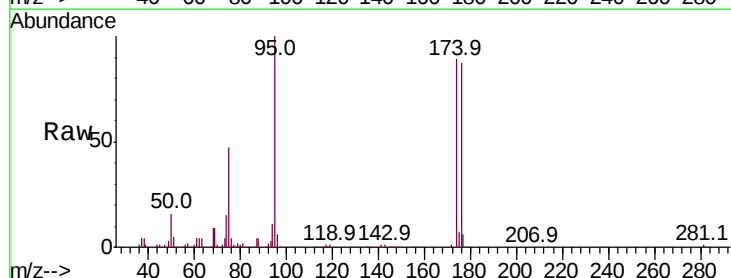
Instrument :
MSVOA_N
ClientSampled :
VN0824WBS01

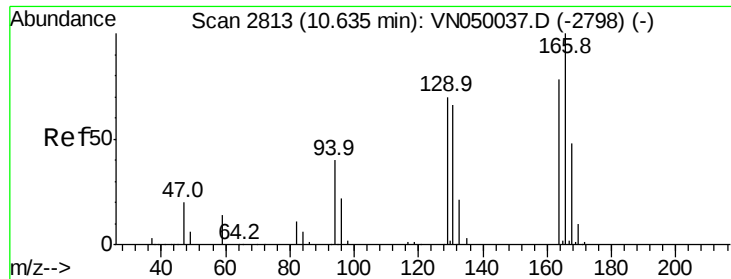
Tot Ion: 43 Resp: 381074
Ion Ratio Lower Upper
43 100
58 56.5 43.8 65.8
57 19.4 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.878 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

Tgt Ion: 95 Resp: 250494
Ion Ratio Lower Upper
95 100
174 89.7 72.3 108.5
176 86.7 70.0 105.0





#61

Tetrachloroethene

Concen: 21.530 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion:164 Resp: 159144

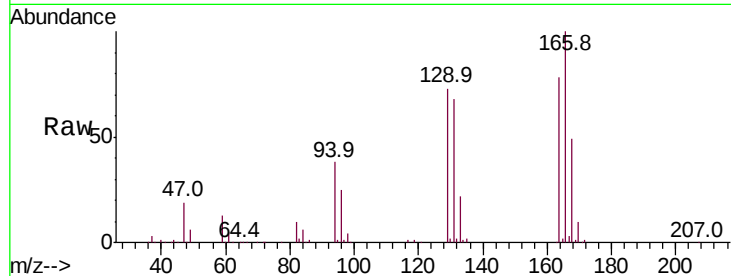
Ion Ratio Lower Upper

164 100

166 128.4 100.0 150.0

129 93.7 69.3 103.9

131 87.0 68.8 103.2

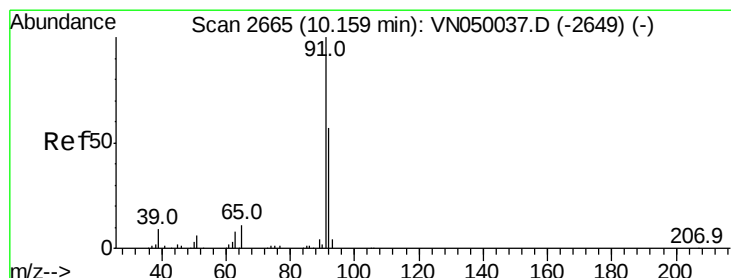
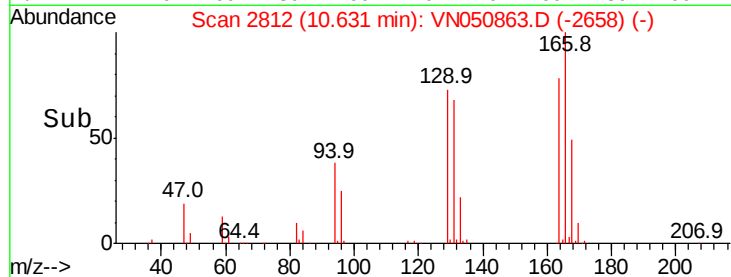
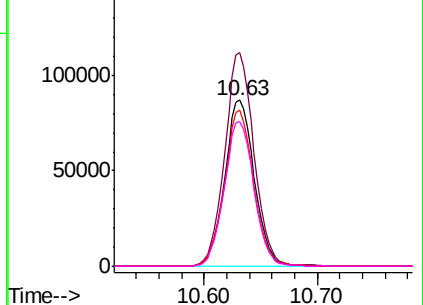


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 22.324 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050863.D

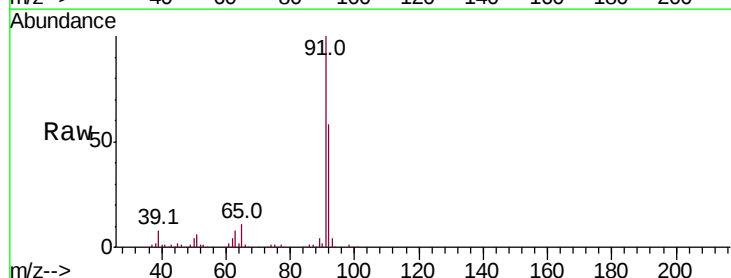
Acq: 24 Aug 2018 9:13

Tgt Ion: 91 Resp: 695061

Ion Ratio Lower Upper

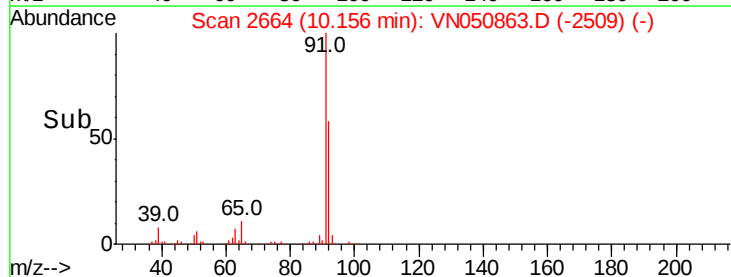
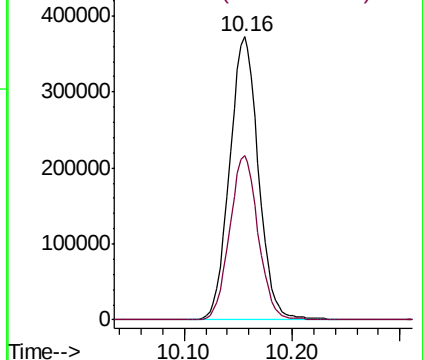
91 100

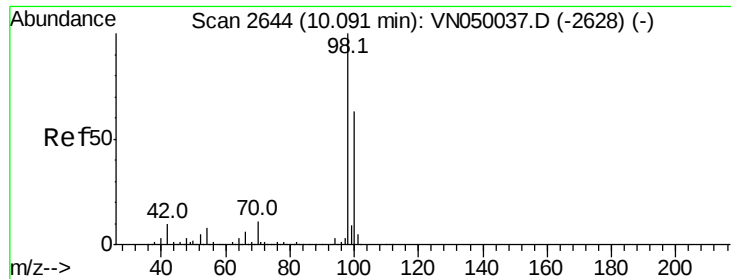
92 57.6 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.879 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

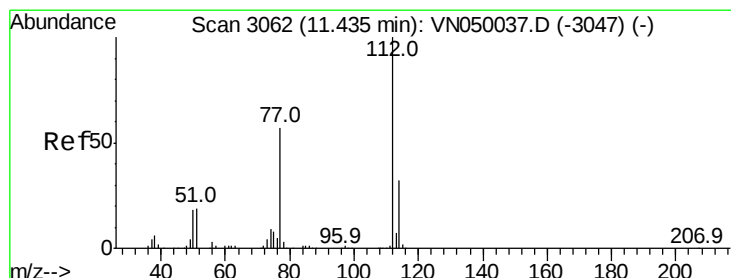
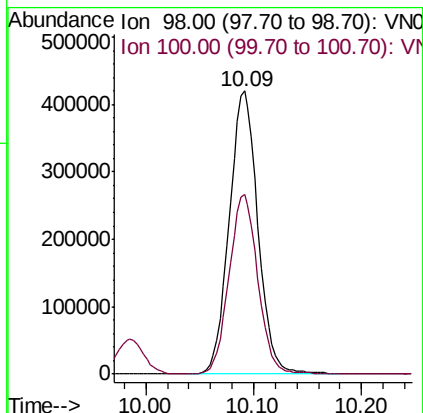
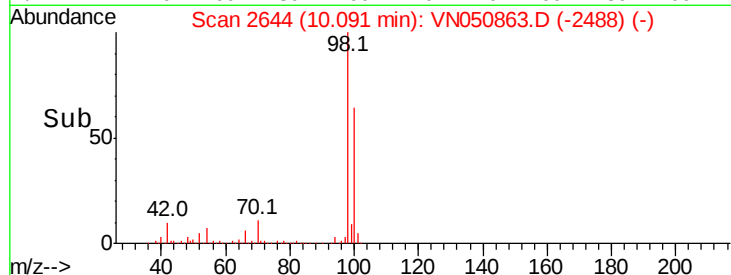
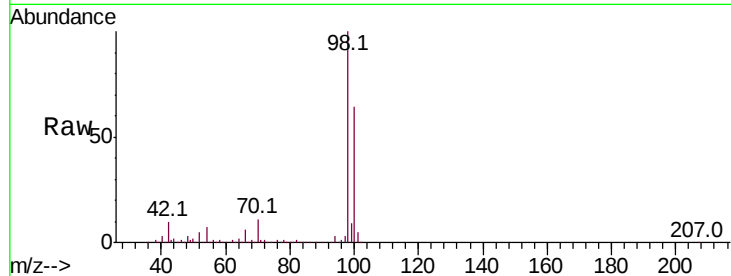
VN0824WBS01

Tot Ion: 98 Resp: 778861

Ion Ratio Lower Upper

98 100

100 63.3 51.2 76.8



#64

Chlorobenzene

Concen: 22.654 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050863.D

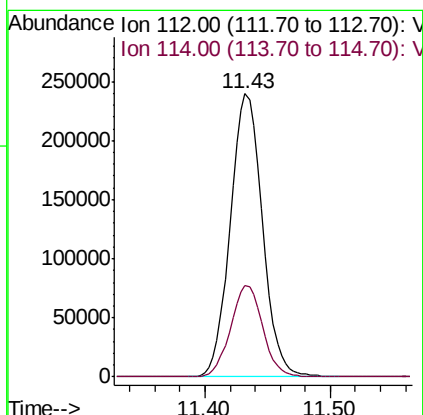
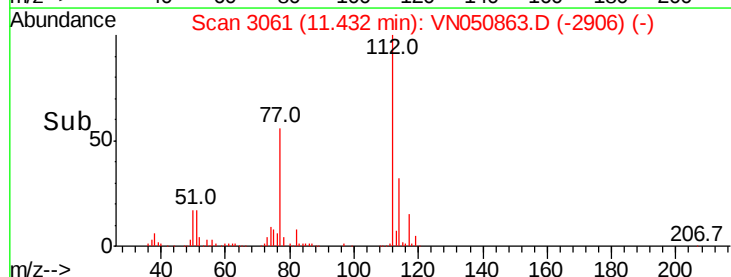
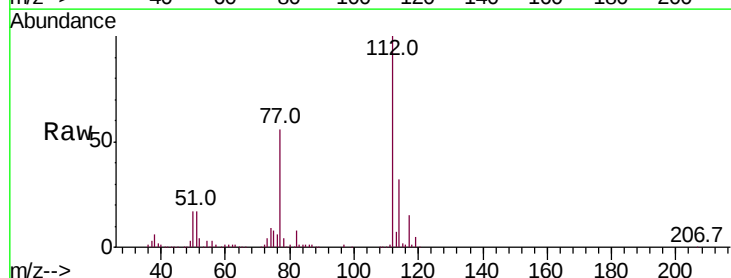
Acq: 24 Aug 2018 9:13

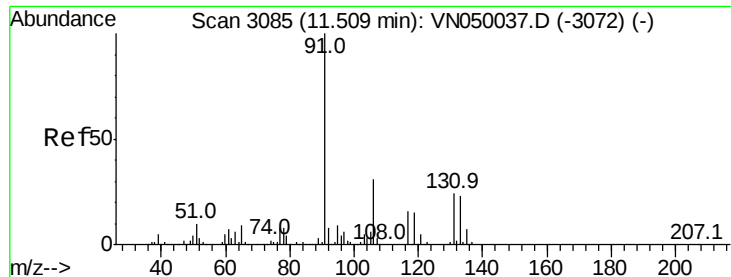
Tgt Ion: 112 Resp: 427717

Ion Ratio Lower Upper

112 100

114 32.1 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 21.869 ug/l

RT: 11.51 min Scan# 3084

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

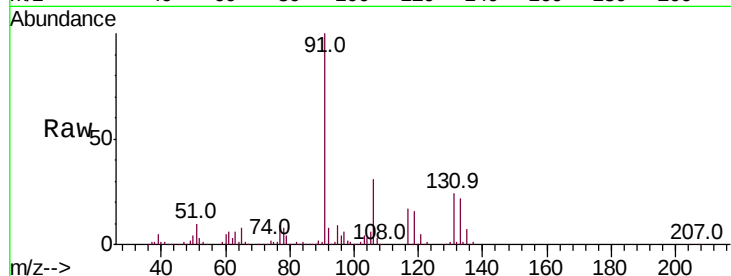
Tot Ion:131 Resp: 161051

Ion Ratio Lower Upper

131 100

133 95.6 0.0 190.0

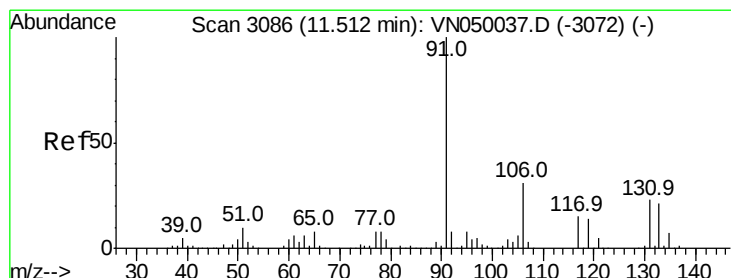
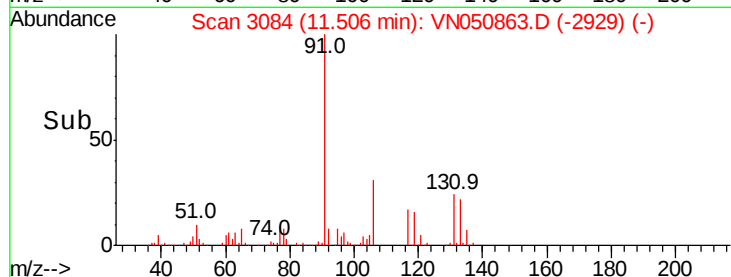
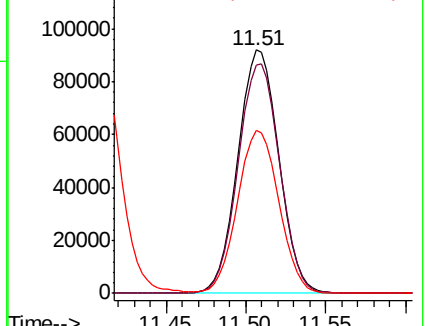
119 67.7 0.0 131.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 22.195 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050863.D

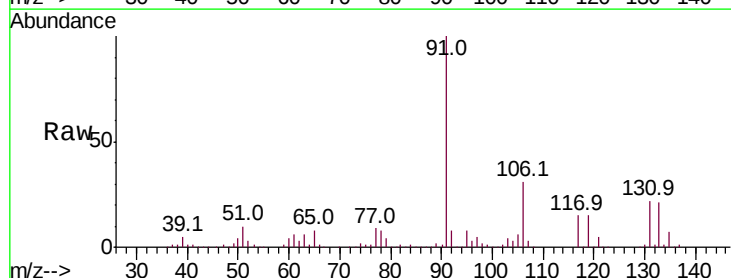
Acq: 24 Aug 2018 9:13

Tgt Ion: 91 Resp: 706202

Ion Ratio Lower Upper

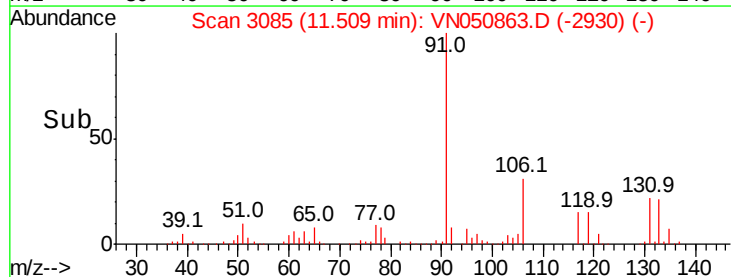
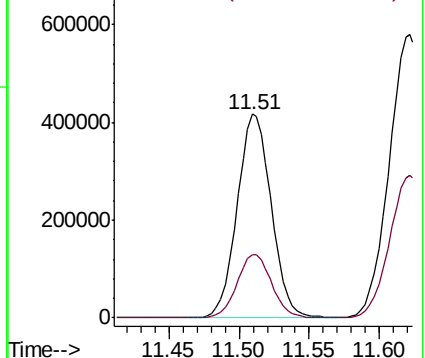
91 100

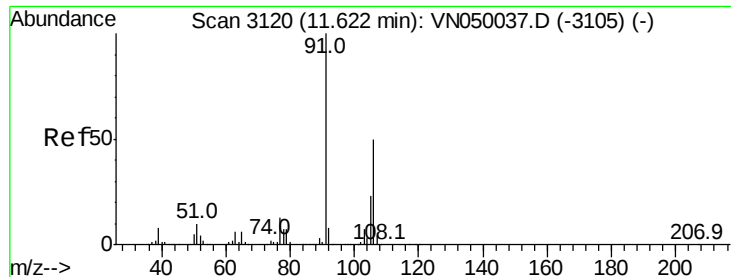
106 31.3 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 46.271 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

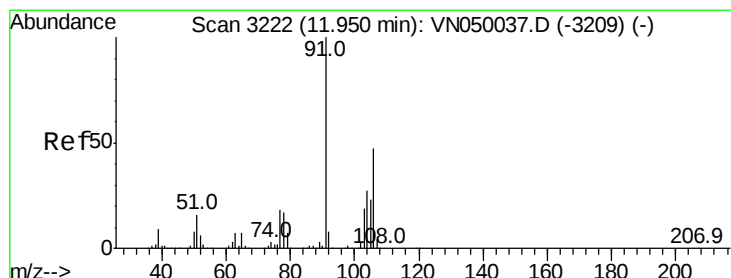
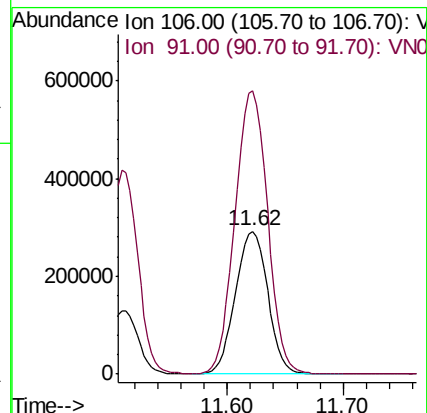
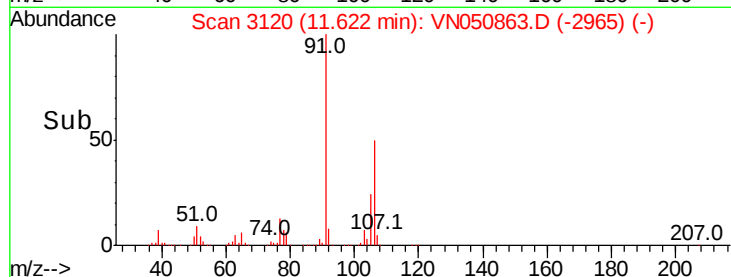
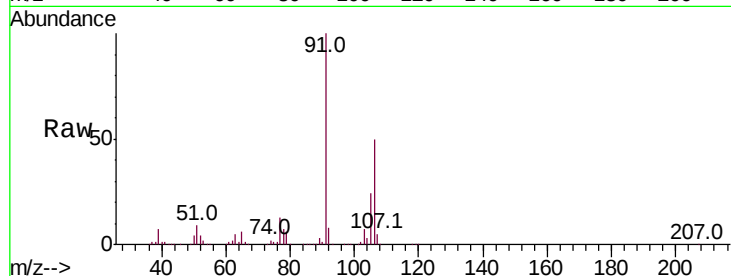
VN0824WBS01

Tot Ion:106 Resp: 566591

Ion Ratio Lower Upper

106 100

91 199.2 162.5 243.7



#68

o-Xylene

Concen: 22.782 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN050863.D

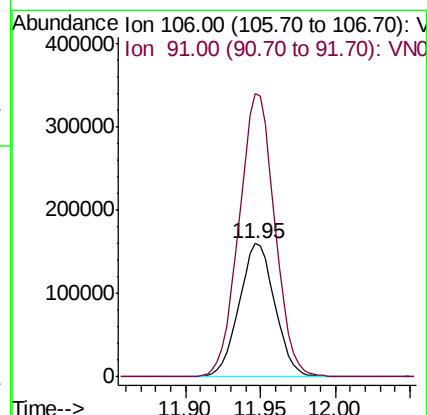
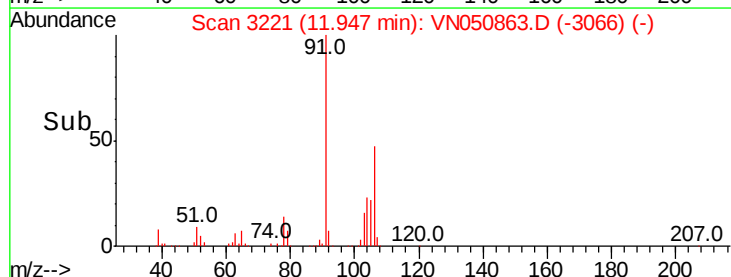
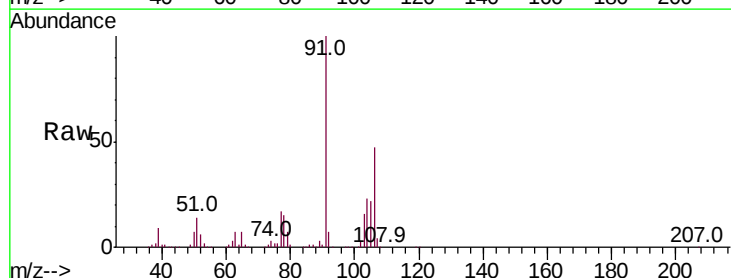
Acq: 24 Aug 2018 9:13

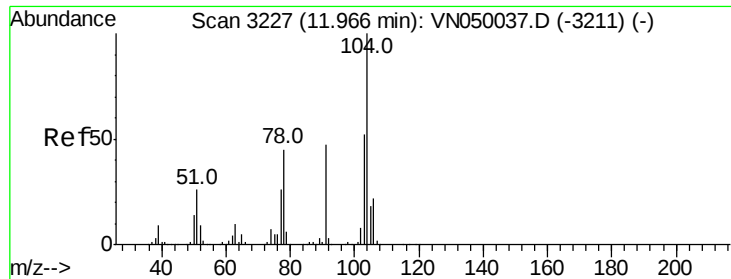
Tgt Ion:106 Resp: 265426

Ion Ratio Lower Upper

106 100

91 212.8 106.8 320.4

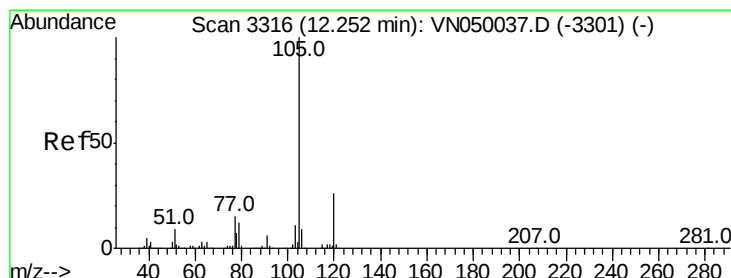
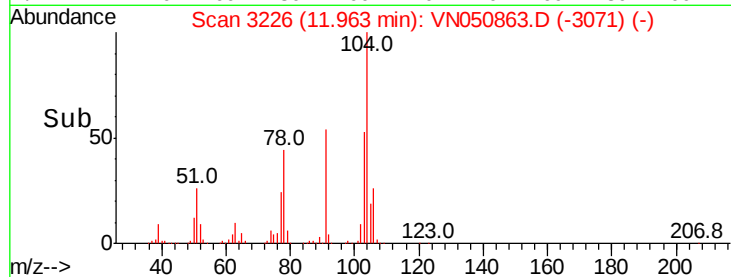
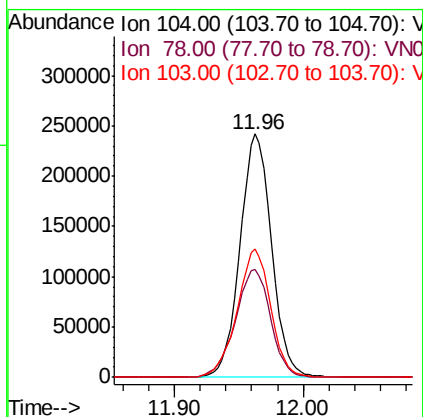
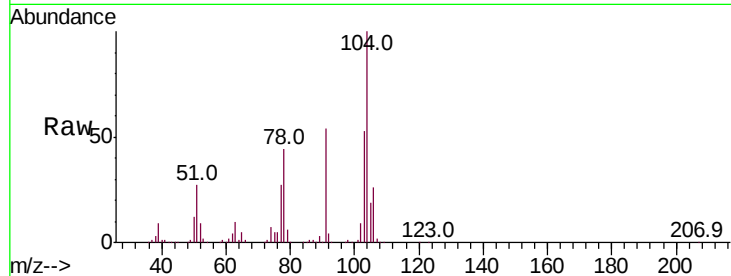




#69
Stvrene
Concen: 22.050 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

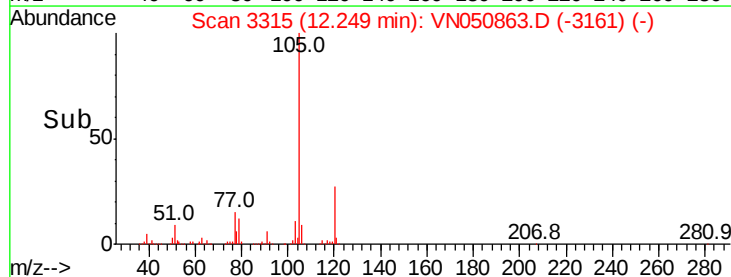
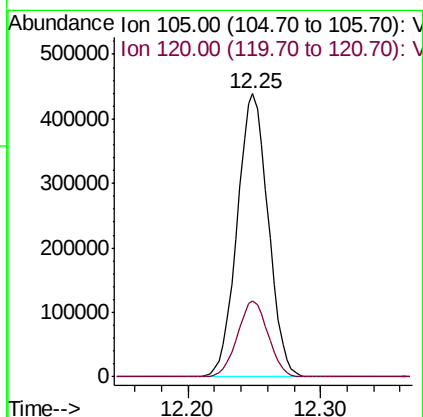
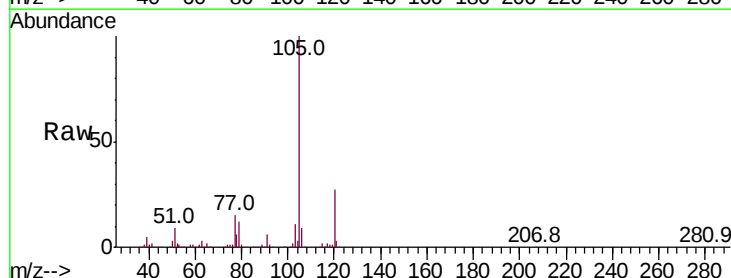
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

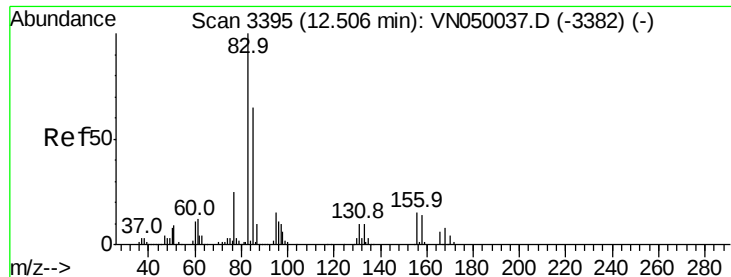
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.3	58.9
103	56.2	44.5	66.7



#70
Isopropylbenzene
Concen: 22.898 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	18.9	35.1

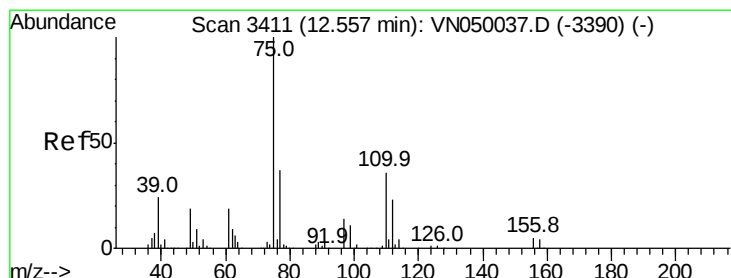
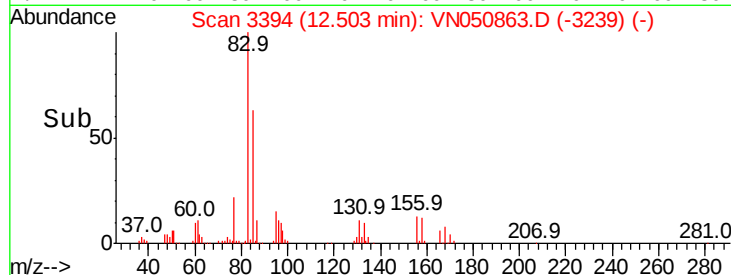
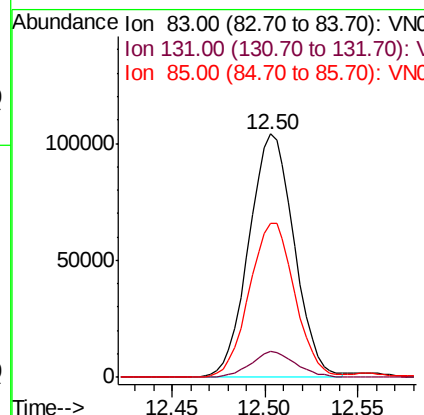
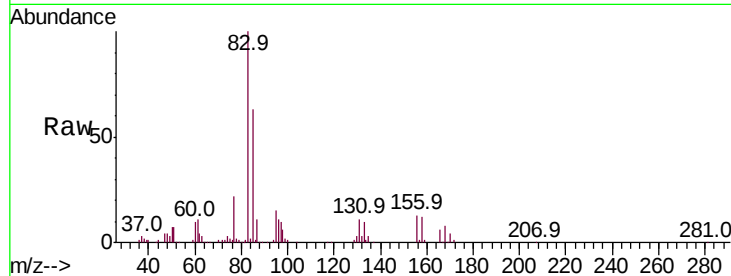




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.671 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

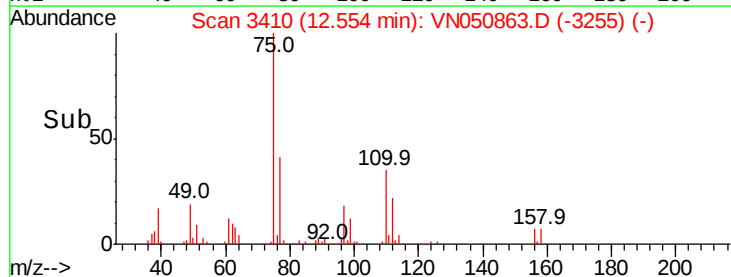
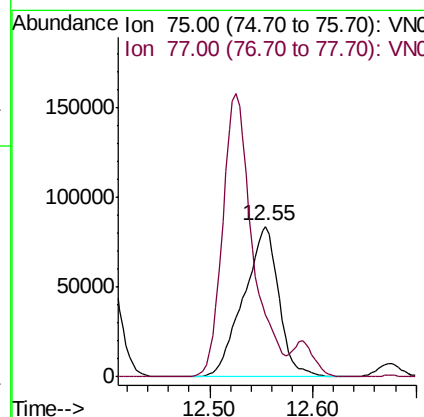
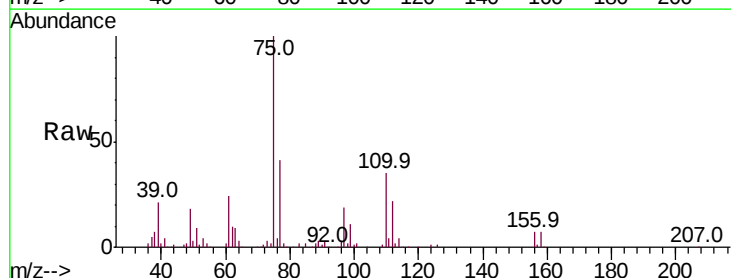
Instrument :
 MSVOA_N
 ClientSampled :
 VN0824WBS01

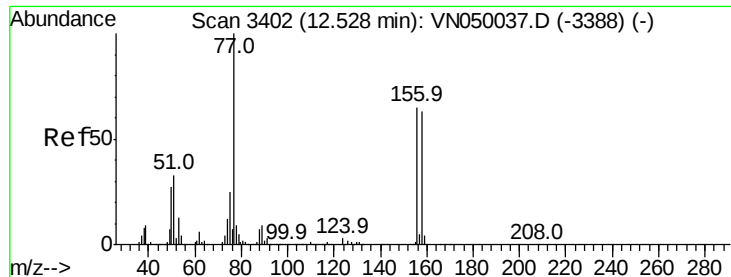
Tot Ion	83	Resp	176099
Ion Ratio	100		
Lower	5.2		
Upper	15.6		
85	63.5	31.7	95.1



#72
 1,2,3-Trichloropropane
 Concen: 27.298 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

Tgt Ion	75	Resp	198624
Ion Ratio	100		
Lower	0.0		
Upper	454.4		
77	160.6		





#73

Bromobenzene

Concen: 21.554 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

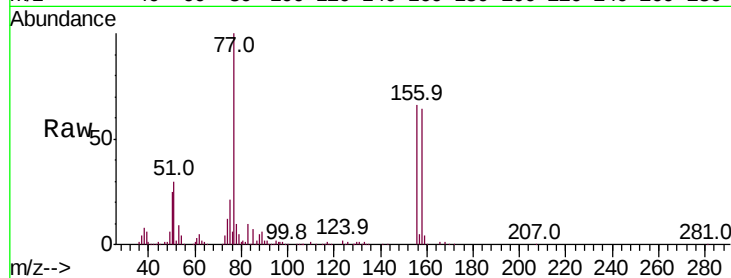
Tot Ion:156 Resp: 178158

Ion Ratio Lower Upper

156 100

77 179.0 0.0 359.8

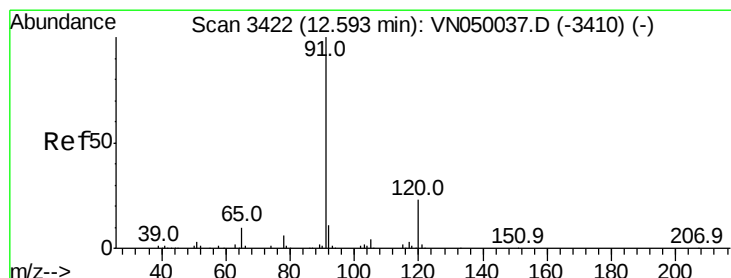
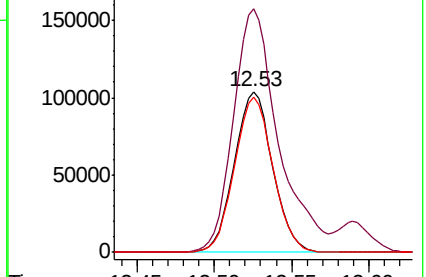
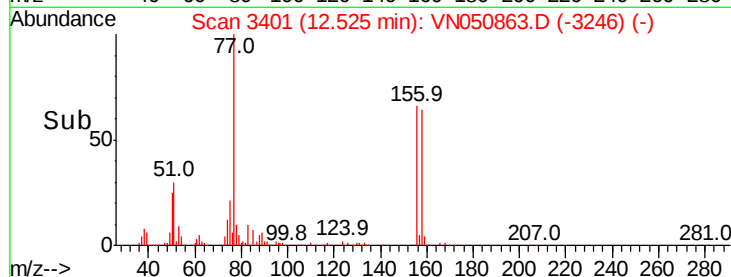
158 97.2 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 22.127 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050863.D

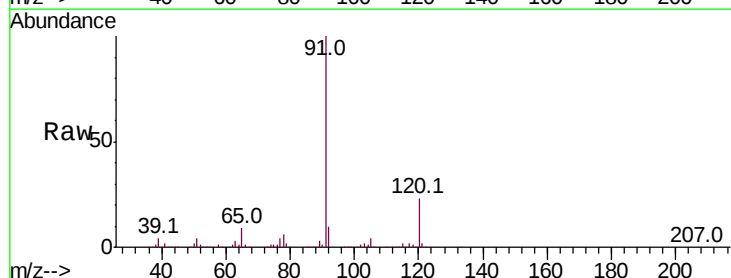
Acq: 24 Aug 2018 9:13

Tgt Ion: 91 Resp: 799629

Ion Ratio Lower Upper

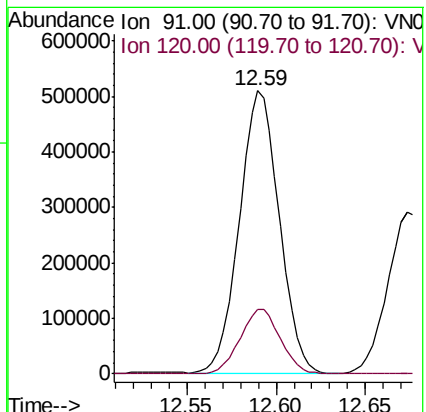
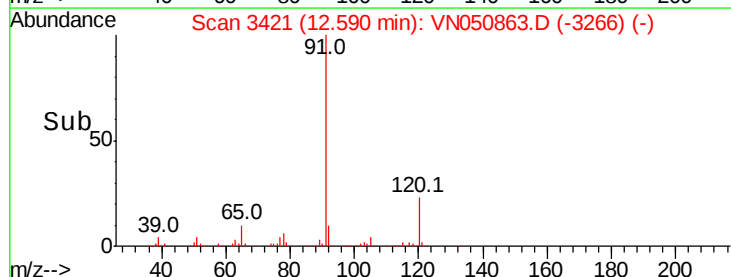
91 100

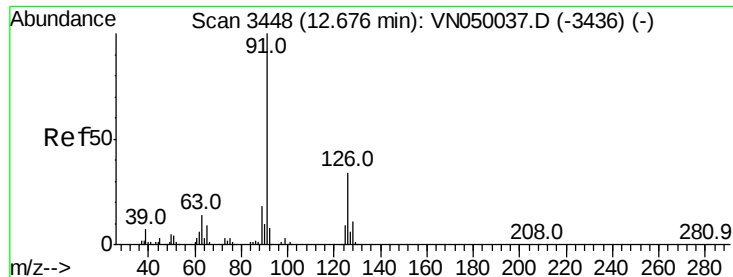
120 23.0 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 22.280 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

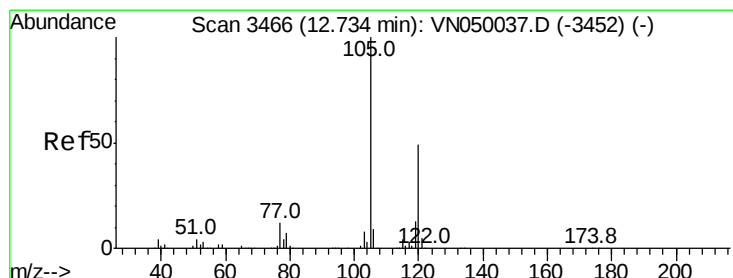
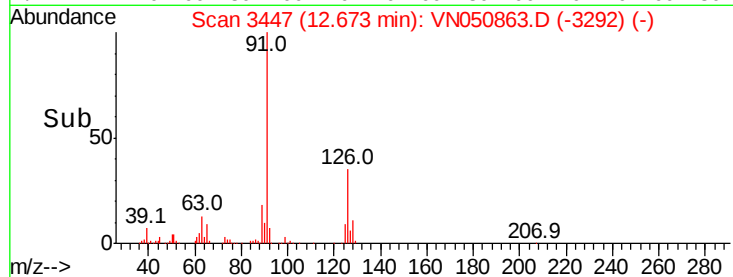
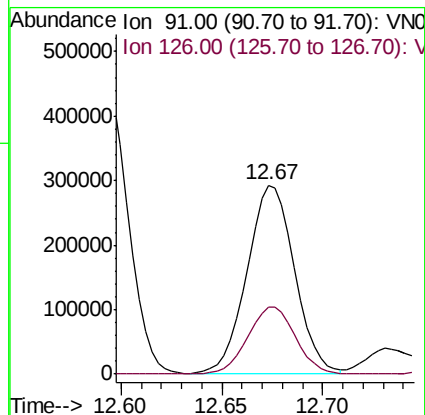
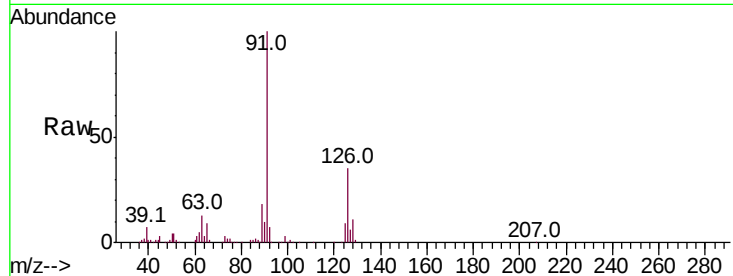
VN0824WBS01

Tot Ion: 91 Resp: 483603

Ion Ratio Lower Upper

91 100

126 35.7 0.0 68.6



#76

1,3,5-Trimethylbenzene

Concen: 22.835 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050863.D

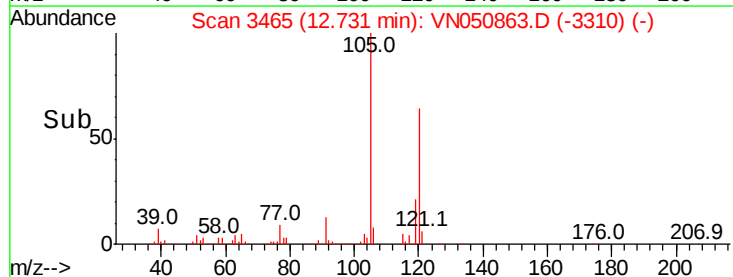
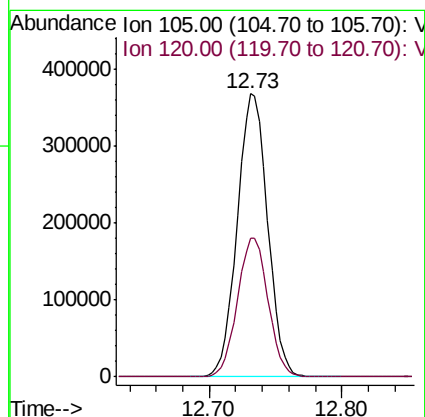
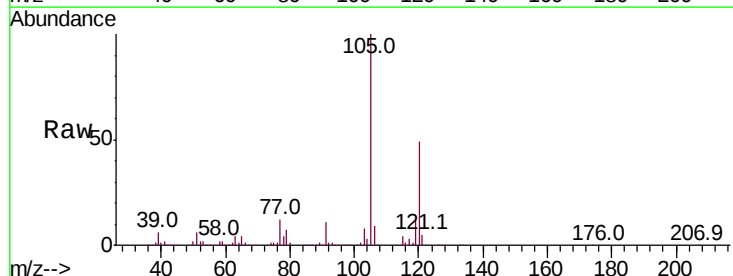
Acq: 24 Aug 2018 9:13

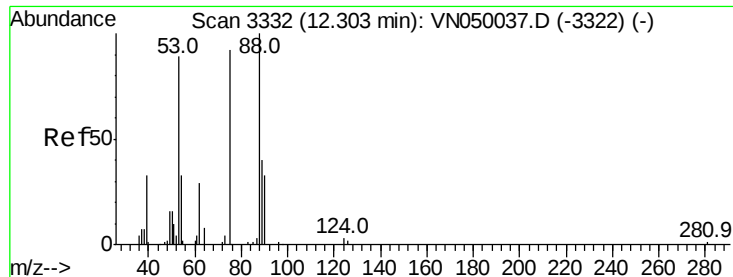
Tgt Ion:105 Resp: 581954

Ion Ratio Lower Upper

105 100

120 49.6 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 17.117 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

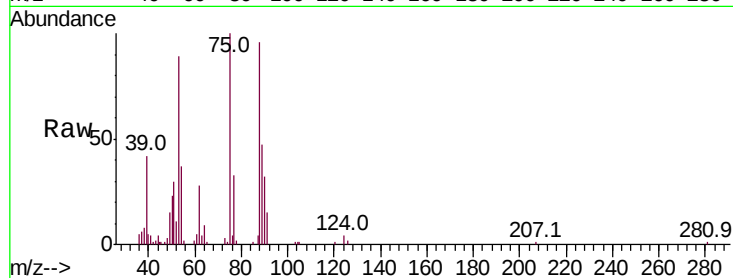
Tot Ion: 75 Resp: 40719

Ion Ratio Lower Upper

75 100

53 88.1 44.6 134.0

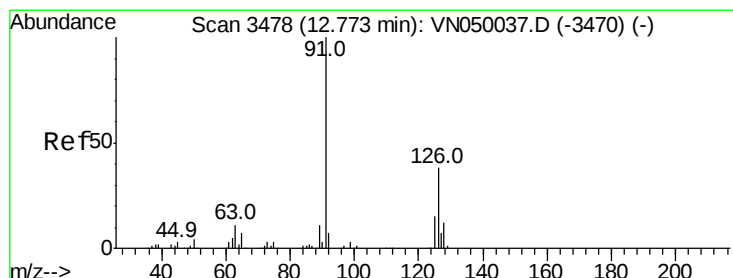
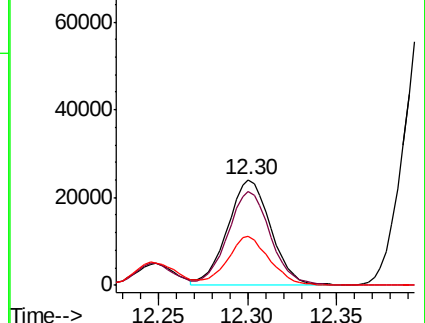
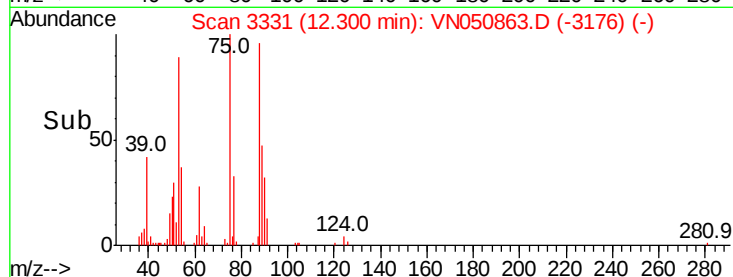
89 46.7 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 22.123 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050863.D

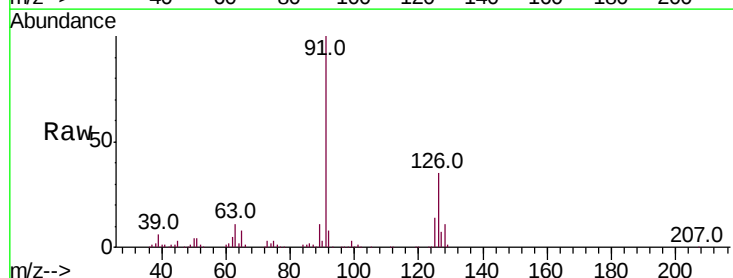
Acq: 24 Aug 2018 9:13

Tgt Ion: 91 Resp: 475851

Ion Ratio Lower Upper

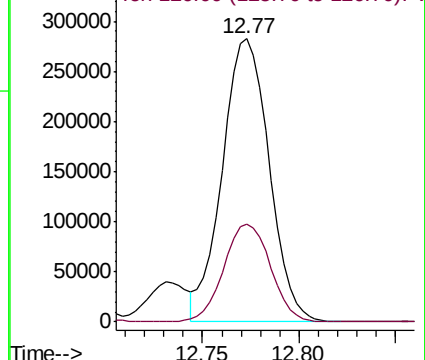
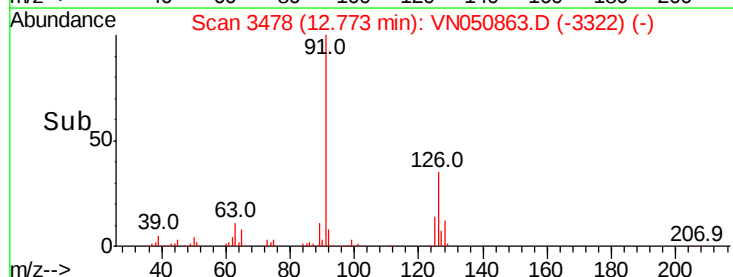
91 100

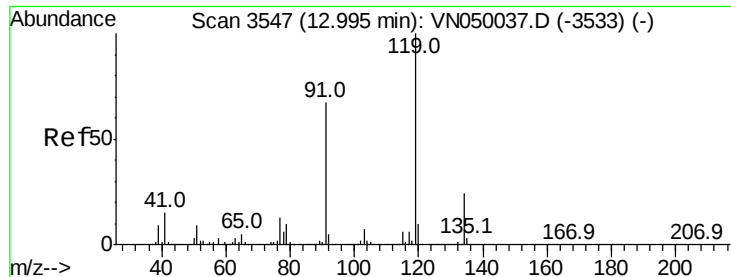
126 34.7 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 22.649 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS01

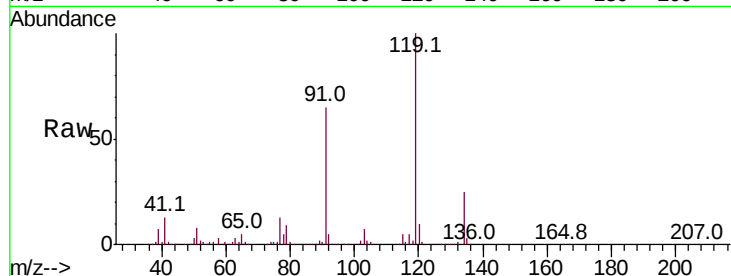
Tot Ion:119 Resp: 493496

Ion Ratio Lower Upper

119 100

91 64.0 0.0 126.8

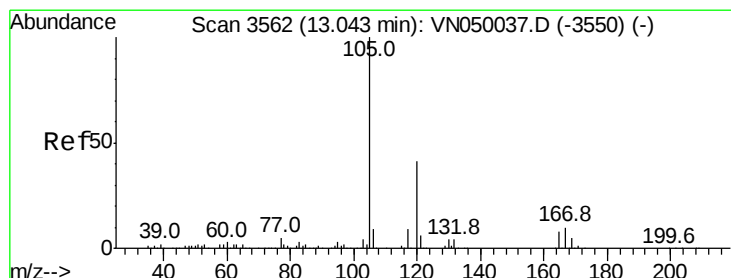
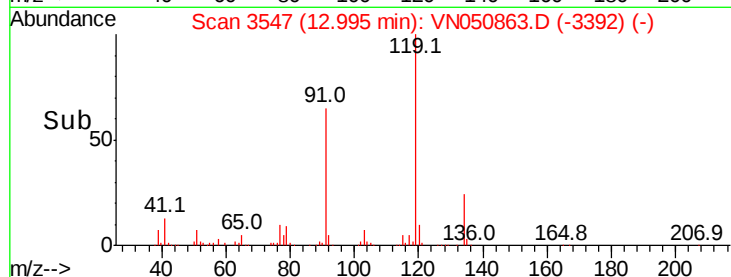
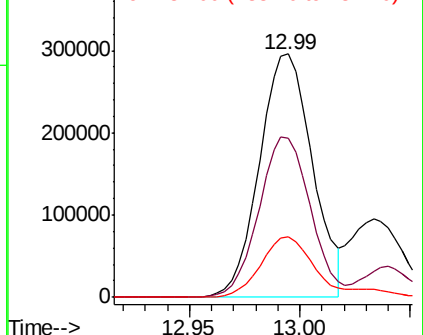
134 24.2 0.0 47.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 22.751 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050863.D

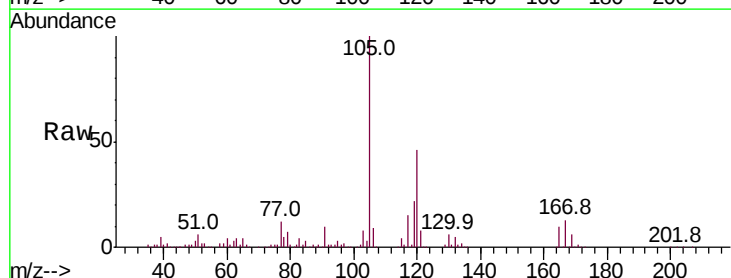
Acq: 24 Aug 2018 9:13

Tgt Ion:105 Resp: 587434

Ion Ratio Lower Upper

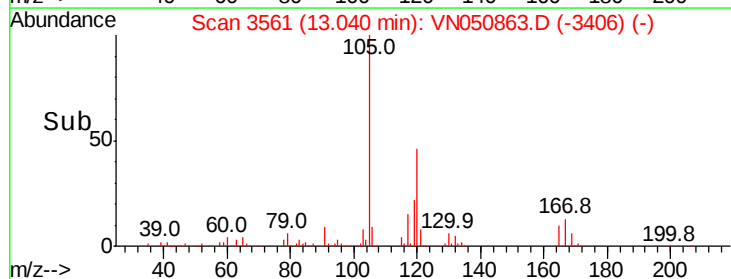
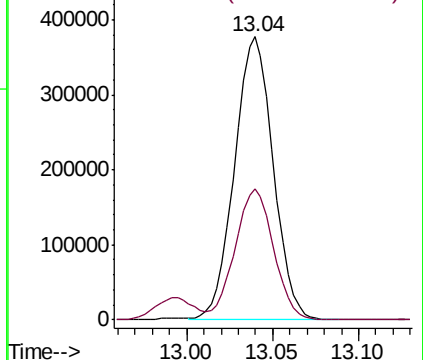
105 100

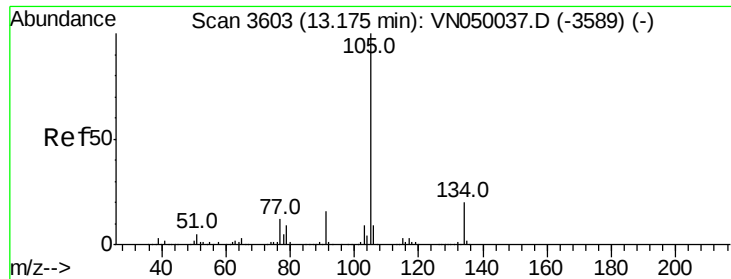
120 46.2 0.0 90.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

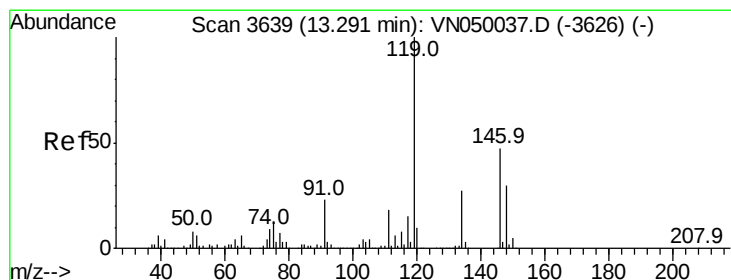
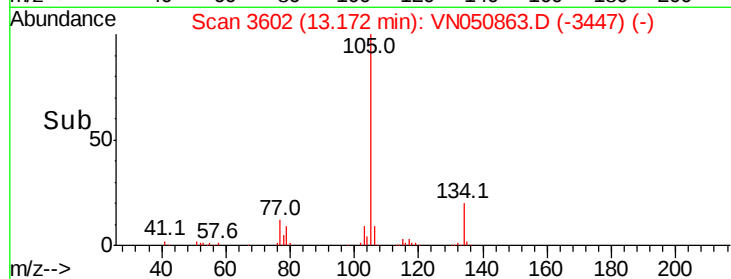
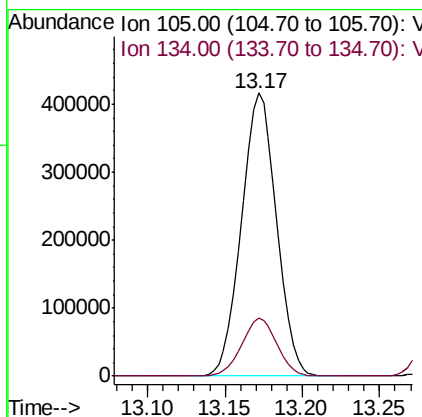
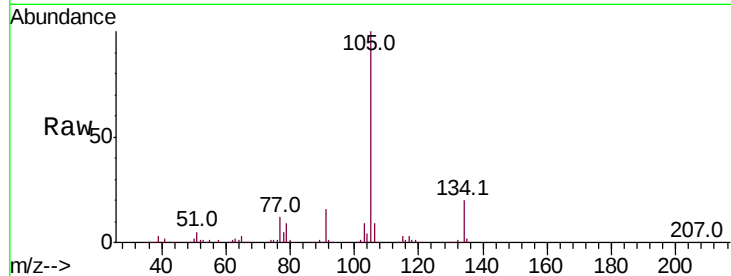




#81
 sec-Butylbenzene
 Concen: 22.117 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

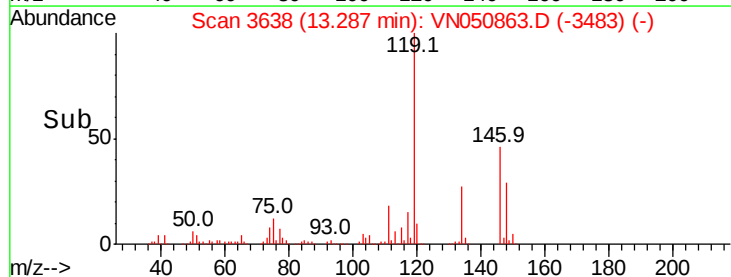
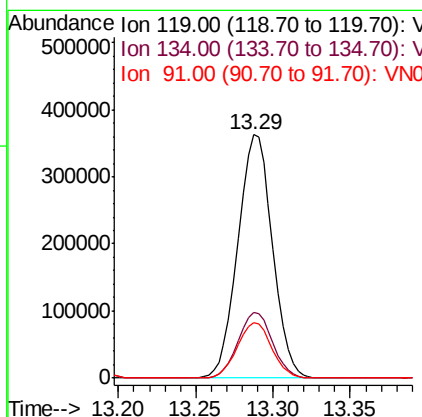
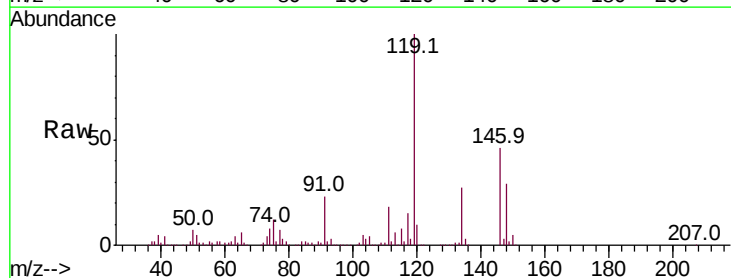
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

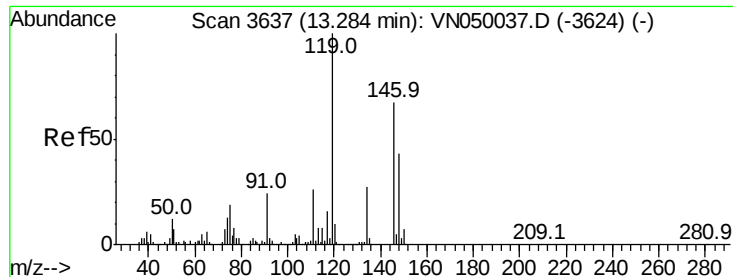
Tot Ion:105 Resp: 654642
 Ion Ratio Lower Upper
 105 100
 134 20.5 0.0 40.6



#82
 p-Isopropyltoluene
 Concen: 22.292 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

Tgt Ion:119 Resp: 562987
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 52.2
 91 22.8 0.0 45.6

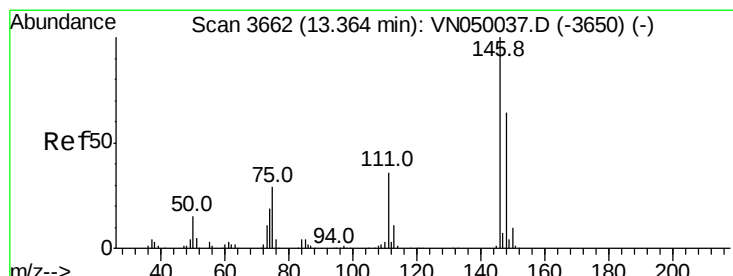
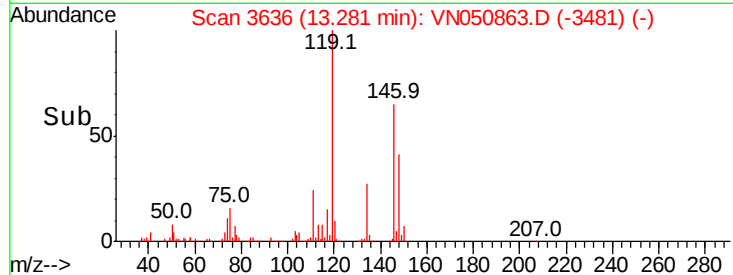
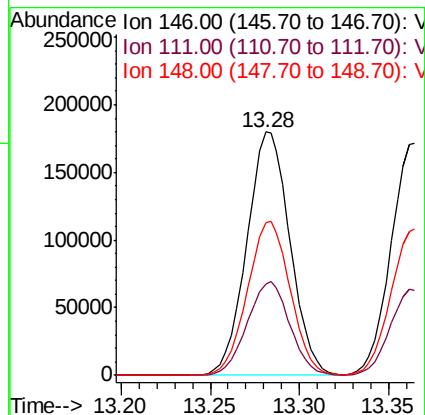
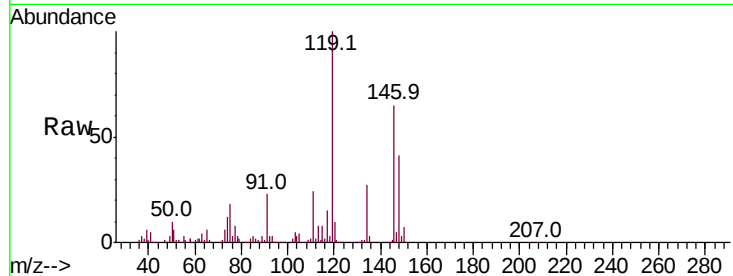




#83
 1,3-Dichlorobenzene
 Concen: 21.121 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

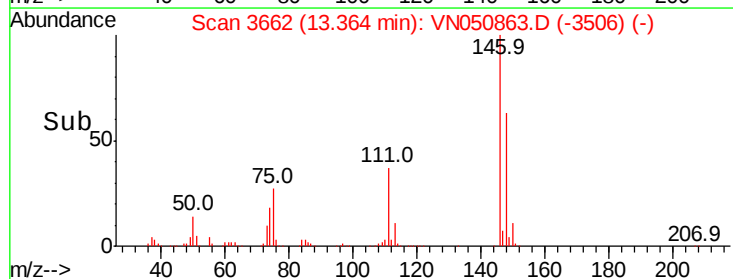
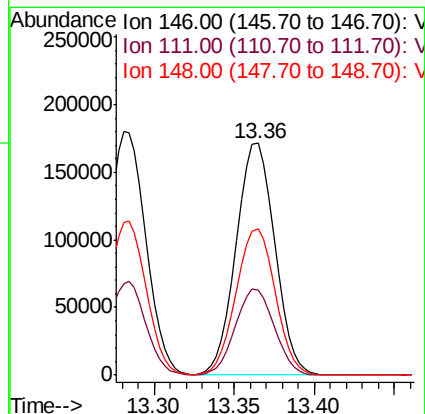
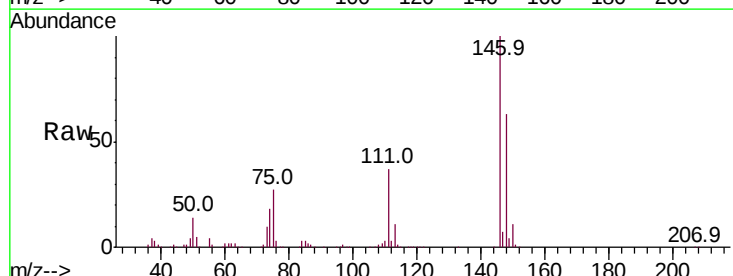
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

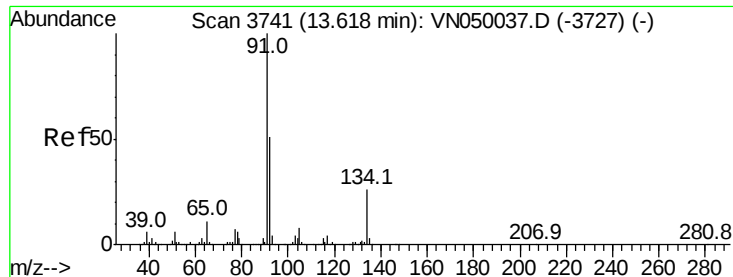
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	62.9	31.9	95.9



#84
 1,4-Dichlorobenzene
 Concen: 20.862 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	17.9	53.8
148	63.8	32.4	97.0





#85

n-Butylbenzene

Concen: 20.170 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

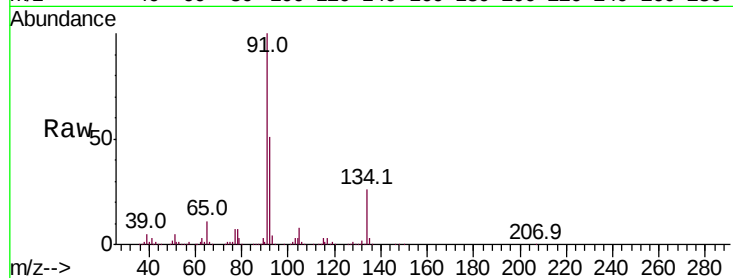
Tot Ion: 91 Resp: 413394

Ion Ratio Lower Upper

91 100

92 51.3 0.0 102.8

134 25.9 0.0 51.0

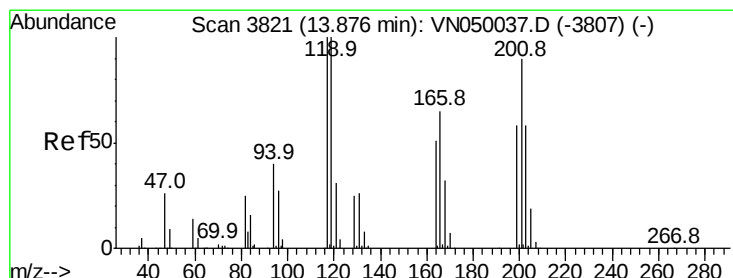
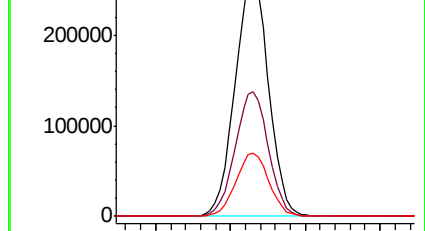
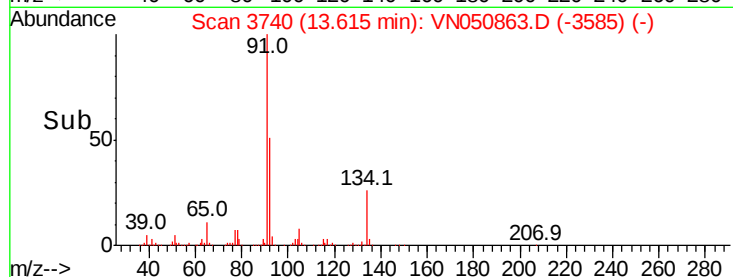


Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3727) (-)

Ion 92.00 (91.70 to 92.70): VN050037.D (-3727) (-)

Ion 134.00 (133.70 to 134.70): VN050037.D (-3727) (-)

Time-->



#86

Hexachloroethane

Concen: 21.045 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. -0.00 min

Lab File: VN050863.D

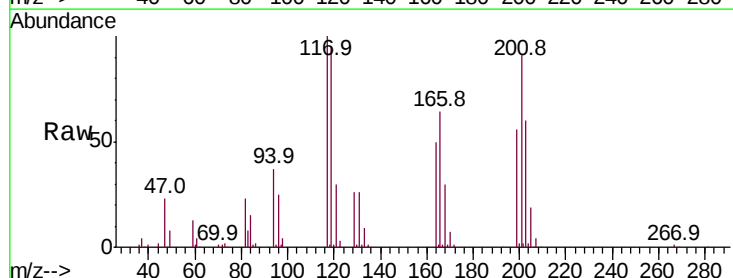
Acq: 24 Aug 2018 9:13

Tgt Ion: 117 Resp: 106211

Ion Ratio Lower Upper

117 100

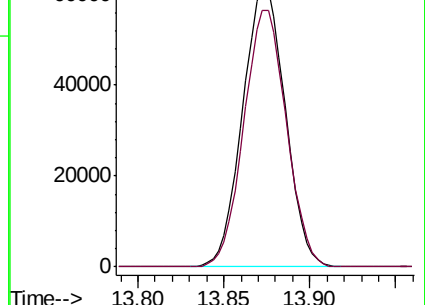
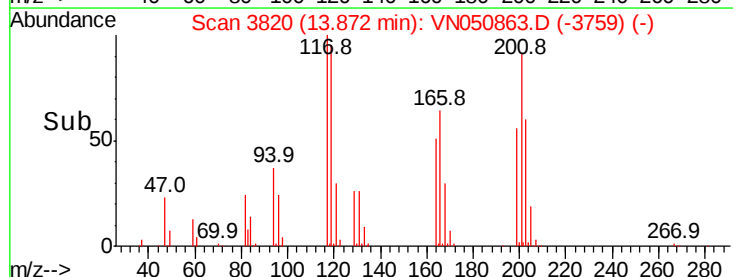
201 91.3 46.6 139.7

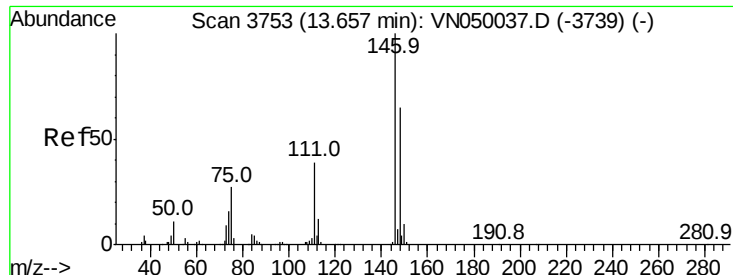


Abundance Ion 117.00 (116.70 to 117.70): VN050037.D (-3807) (-)

Ion 201.00 (200.70 to 201.70): VN050037.D (-3807) (-)

Time-->





#87

1,2-Dichlorobenzene

Concen: 21.118 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

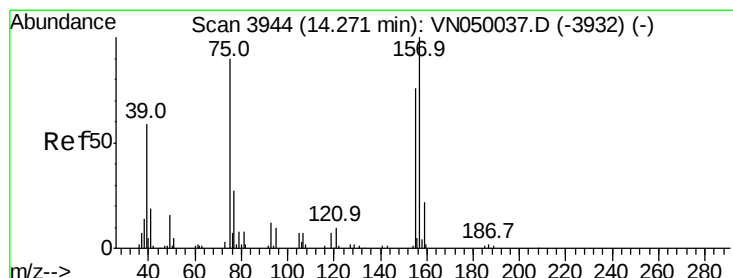
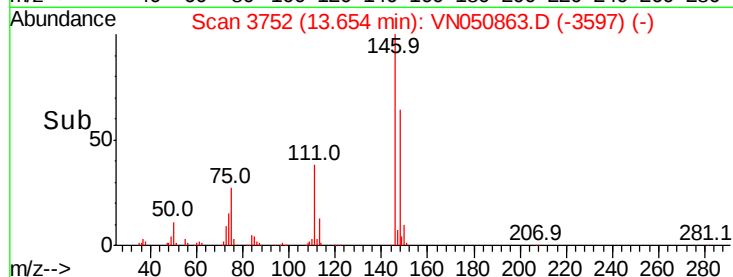
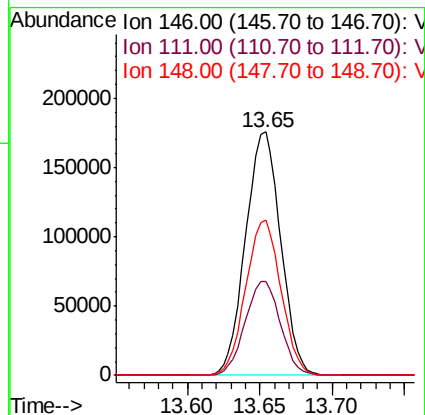
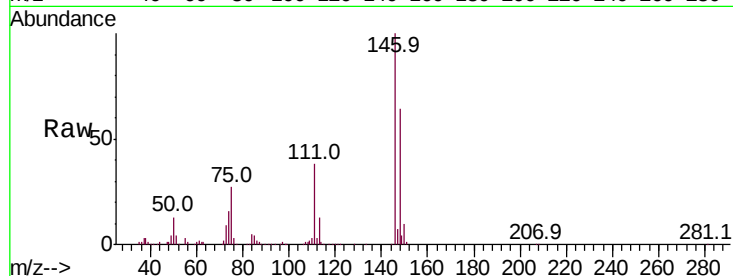
Tot Ion:146 Resp: 297097

Ion Ratio Lower Upper

146 100

111 38.6 19.8 59.3

148 63.9 31.8 95.3



#88

1,2-Dibromo-3-Chloropropane

Concen: 16.924 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050863.D

Acq: 24 Aug 2018 9:13

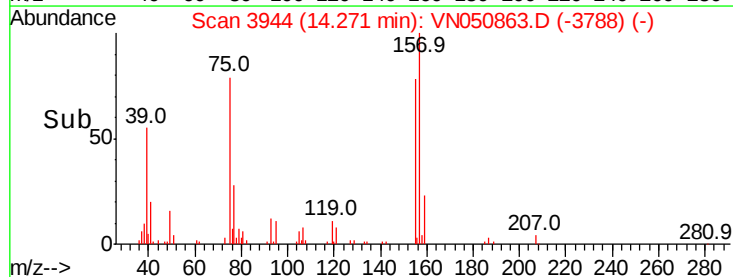
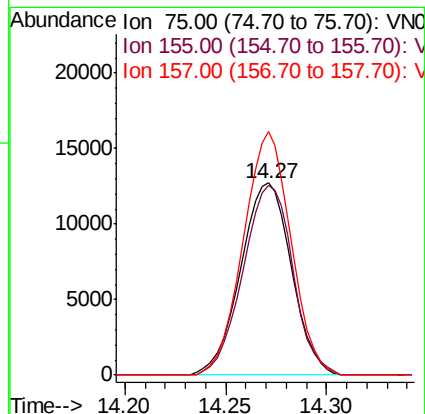
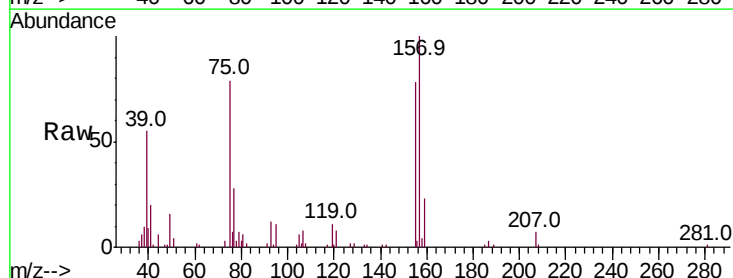
Tgt Ion: 75 Resp: 22461

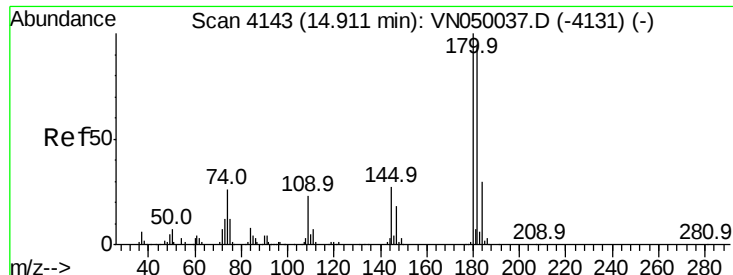
Ion Ratio Lower Upper

75 100

155 96.7 73.0 109.6

157 118.5 94.9 142.3

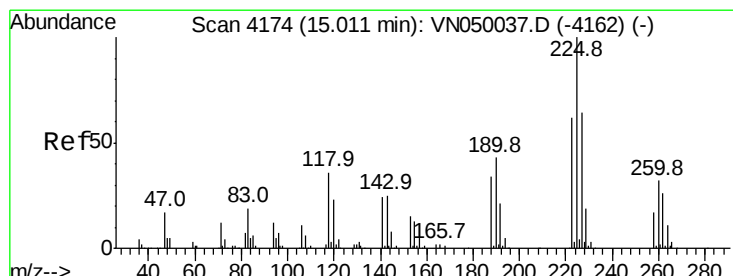
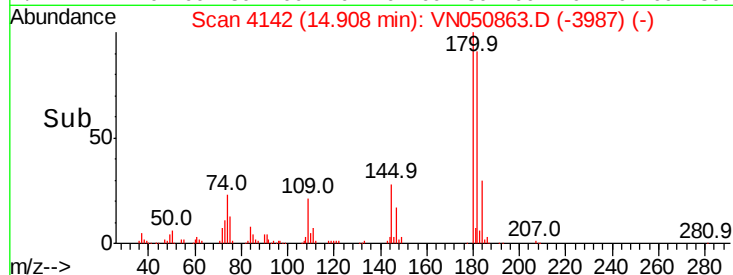
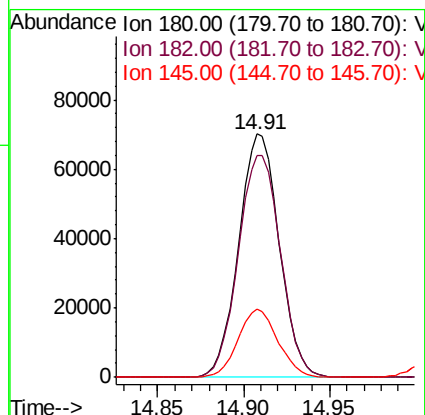
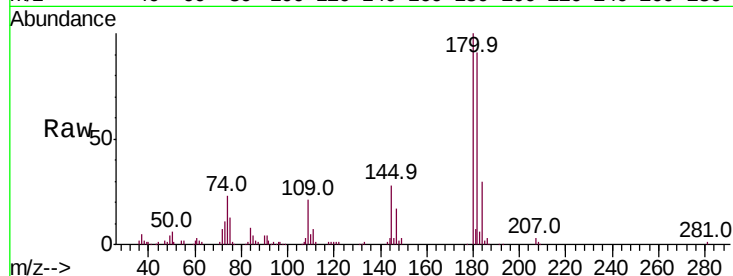




#89
 1,2,4-Trichlorobenzene
 Concen: 17.117 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

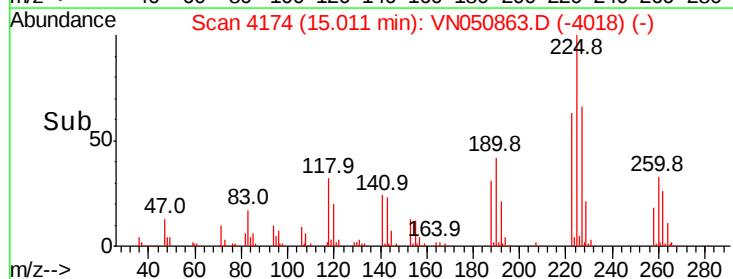
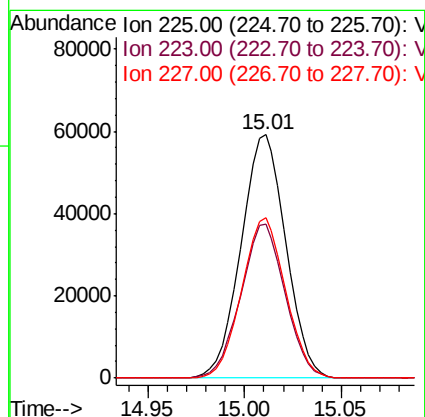
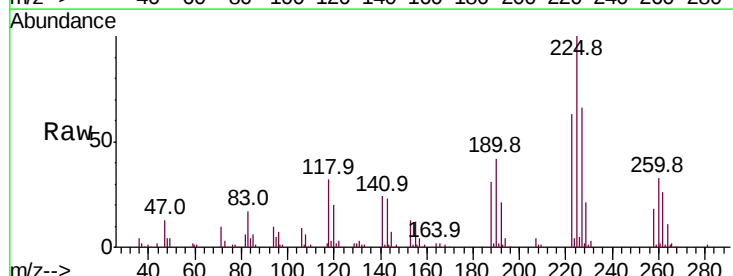
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

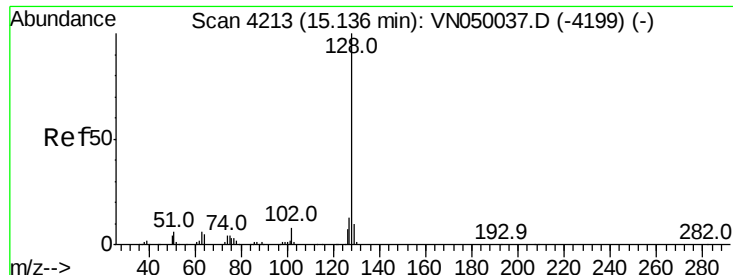
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.7	115.1
145	27.6	23.4	35.0



#90
 Hexachlorobutadiene
 Concen: 21.553 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050863.D
 Acq: 24 Aug 2018 9:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	124.4
227	64.5	0.0	133.0

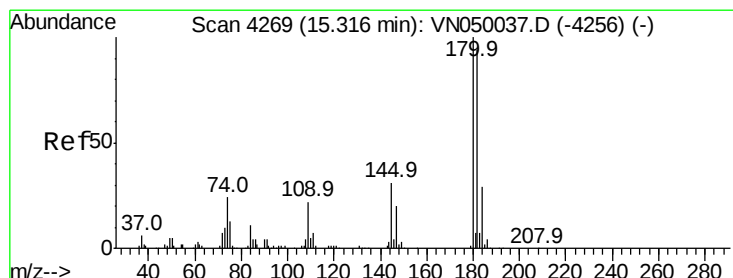
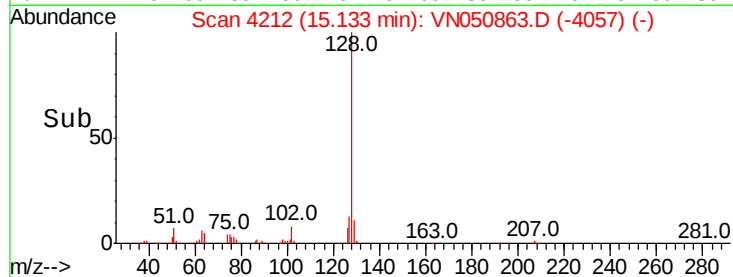
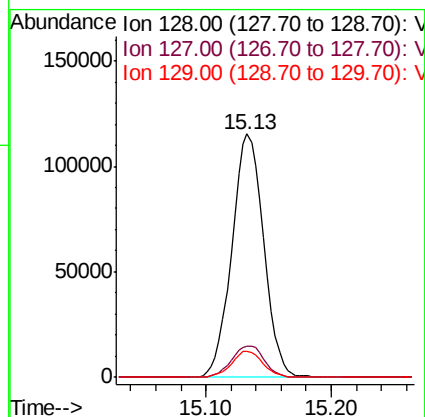
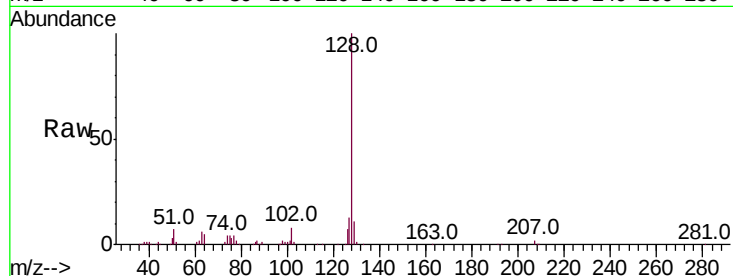




#91
Naphthalene
Concen: 17.281 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion:128 Resp: 203046
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 10.5 9.0 13.4



#92
1,2,3-Trichlorobenzene
Concen: 17.247 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050863.D
Acq: 24 Aug 2018 9:13

Tgt Ion:180 Resp: 117865
Ion Ratio Lower Upper
180 100
182 97.2 0.0 188.8
145 29.8 0.0 60.8

