

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
 Data File : VN053858.D
 Acq On : 19 Feb 2019 10:14
 Operator : JC/SP
 Sample : VN0219WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

Quant Time: Feb 20 03:15:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	668981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	983327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	851742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	405538	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	326657	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
35) Dibromofluoromethane	7.59	113	319876	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.09	98	1151285	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.40	95	384666	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	122455	16.465	ug/l	99
3) Chloromethane	2.06	50	131258	16.527	ug/l	100
4) Vinyl Chloride	2.19	62	141941	18.411	ug/l	100
5) Bromomethane	2.57	94	101514	20.138	ug/l	98
6) Chloroethane	2.71	64	89965	20.420	ug/l	97
7) Trichlorofluoromethane	3.02	101	204308	19.542	ug/l	97
8) Diethyl Ether	3.41	74	67868	17.775	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	124575	19.266	ug/l	97
10) Methyl Iodide	3.95	142	165153	16.273	ug/l	99
11) Tert butyl alcohol	4.77	59	38538	97.028	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	108090	17.448	ug/l	98
13) Acrolein	3.61	56	16009	74.030	ug/l	96
14) Allyl chloride	4.33	41	170422	17.278	ug/l	97
15) Acrylonitrile	4.99	53	198588	92.617	ug/l	99
16) Acetone	3.81	43	177257	102.971	ug/l	97
17) Carbon Disulfide	4.06	76	287099	14.884	ug/l	99
18) Methyl Acetate	4.32	43	107789	21.143	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	300432	19.130	ug/l	99
20) Methylene Chloride	4.55	84	128897	17.848	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	117346	17.558	ug/l	96
22) Diisopropyl ether	5.95	45	342913	18.762	ug/l	98
23) Vinyl Acetate	5.89	43	1102259	87.180	ug/l	99
24) 1,1-Dichloroethane	5.85	63	222758	18.273	ug/l	99
25) 2-Butanone	6.83	43	235523	95.931	ug/l	99
26) 2,2-Dichloropropane	6.82	77	176991	19.020	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	144067	19.385	ug/l	97
28) Bromochloromethane	7.19	49	99421	18.794	ug/l	93
29) Tetrahydrofuran	7.21	42	147123	93.321	ug/l	96
30) Chloroform	7.37	83	232788	19.264	ug/l	99
31) Cyclohexane	7.65	56	198450	17.375	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	194807	19.371	ug/l	99
36) 1,1-Dichloropropene	7.79	75	165087	18.624	ug/l	98
37) Ethyl Acetate	6.93	43	98592	19.915	ug/l	98
38) Carbon Tetrachloride	7.77	117	172152	19.279	ug/l	98

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Quant Time: Feb 20 03:15:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	197290	18.760	ug/l	98
40) Benzene	8.04	78	534721	19.562	ug/l	100
41) Methacrylonitrile	7.17	41	50180	18.136	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	155537	19.164	ug/l	100
43) Isopropyl Acetate	8.16	43	173323	18.129	ug/l	100
44) Trichloroethene	8.83	130	147245	18.921	ug/l	97
45) 1,2-Dichloropropane	9.12	63	143455	20.519	ug/l	98
46) Dibromomethane	9.21	93	84487	20.046	ug/l	96
47) Bromodichloromethane	9.40	83	179743	20.512	ug/l	99
48) Methyl methacrylate	9.20	41	82108	17.991	ug/l	92
49) 1,4-Dioxane	9.20	88	25981	416.624	ug/l #	93
51) 4-Methyl-2-Pentanone	9.98	43	460618	98.042	ug/l	100
52) Toluene	10.16	92	315578	19.453	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	172333	19.640	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	201873	19.415	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	121633	20.807	ug/l	99
56) Ethyl methacrylate	10.43	69	132735	19.194	ug/l	98
57) 1,3-Dichloropropane	10.71	76	198177	19.836	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	297560	75.166	ug/l	98
59) 2-Hexanone	10.75	43	300100	94.092	ug/l	99
60) Dibromochloromethane	10.90	129	134430	20.392	ug/l	98
61) 1,2-Dibromoethane	11.00	107	113025	19.534	ug/l	99
64) Tetrachloroethene	10.63	164	149993	20.543	ug/l	99
65) Chlorobenzene	11.43	112	354443	19.591	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	133669	21.155	ug/l	100
67) Ethyl Benzene	11.51	91	593412	19.967	ug/l	99
68) m/p-Xylenes	11.62	106	460932	40.636	ug/l	98
69) o-Xylene	11.95	106	227205	20.734	ug/l	99
70) Styrene	11.96	104	367680	20.701	ug/l	99
71) Bromoform	12.13	173	93123	21.498	ug/l #	100
73) Isopropylbenzene	12.25	105	601593	21.102	ug/l	100
74) N-amyl acetate	12.07	43	129135	18.837	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	134933	19.777	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	163953	31.476	ug/l #	100
77) Bromobenzene	12.53	156	158399	20.616	ug/l	96
78) n-propylbenzene	12.59	91	687187	20.851	ug/l	100
79) 2-Chlorotoluene	12.67	91	403866	20.656	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	508224	21.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34362	18.550	ug/l	96
82) 4-Chlorotoluene	12.77	91	406157	20.244	ug/l	99
83) tert-Butylbenzene	12.99	119	447484	21.417	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	519663	21.576	ug/l	98
85) sec-Butylbenzene	13.17	105	621573	21.861	ug/l	100
86) p-Isopropyltoluene	13.29	119	535687	21.542	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	275970	19.980	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	270807	19.821	ug/l	100
89) n-Butylbenzene	13.62	91	444153	20.635	ug/l	99
90) Hexachloroethane	13.87	117	92044	22.440	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	269914	20.413	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18424	18.947	ug/l	93

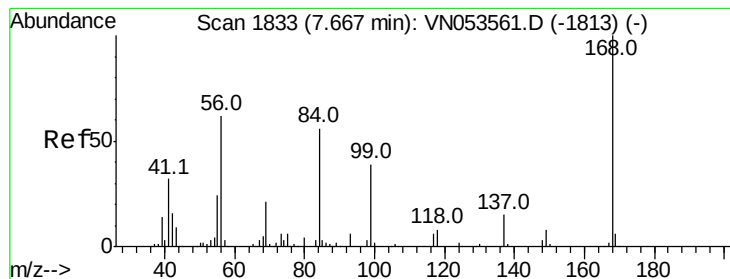
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	138181	18.221	ug/l	98
94) Hexachlorobutadiene	15.01	225	107002	22.656	ug/l	99
95) Naphthalene	15.13	128	241269	14.809	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	133908	19.030	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

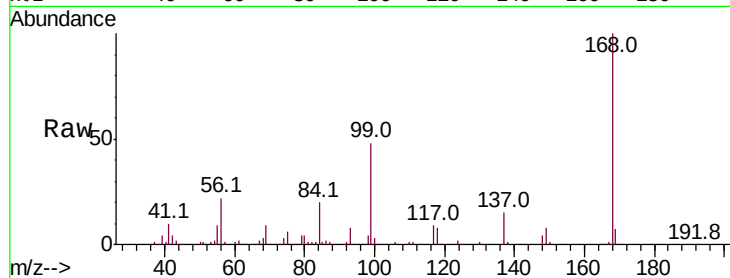
VN0219WBS01

Tot Ion:168 Resp: 668981

Ion Ratio Lower Upper

168 100

99 47.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

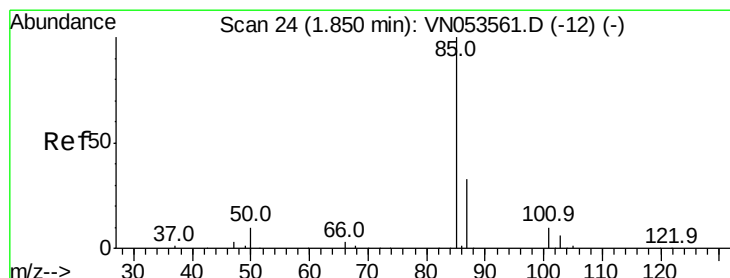
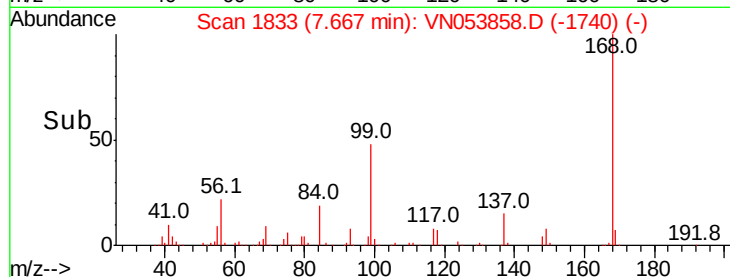
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.465 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053858.D

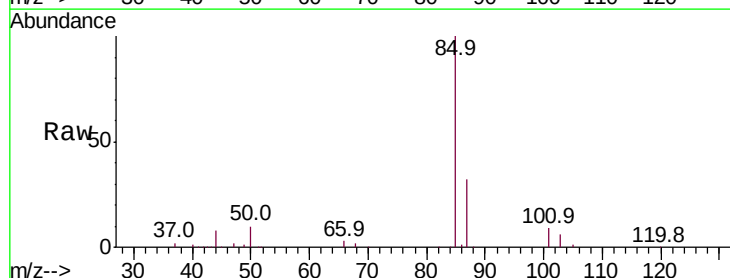
Acq: 19 Feb 2019 10:14

Tgt Ion: 85 Resp: 122455

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

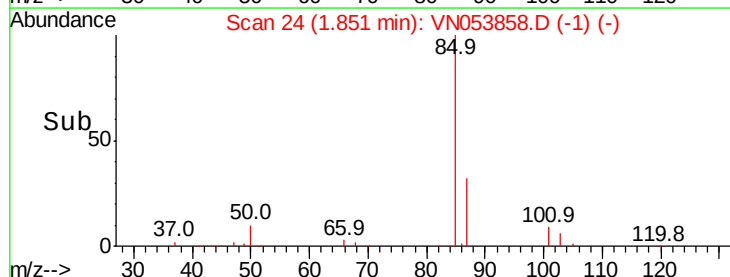
60000

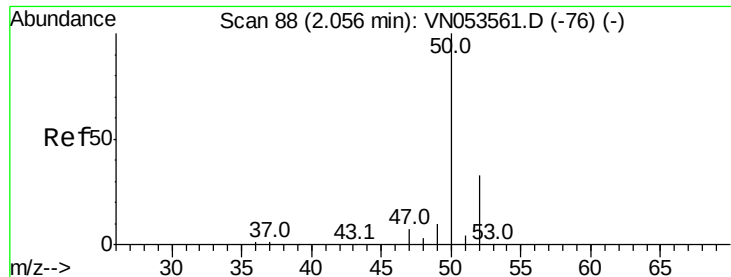
40000

20000

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Time-->





#3

Chloromethane

Concen: 16.527 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

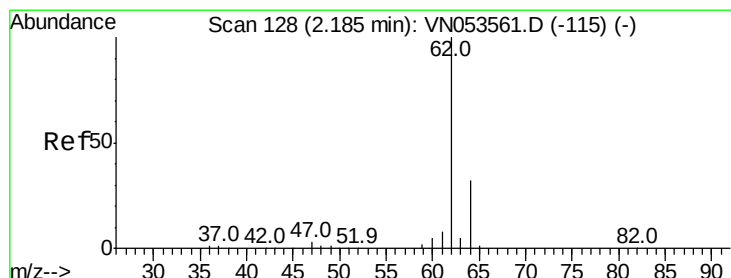
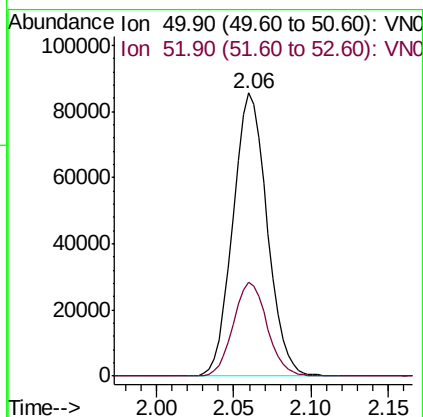
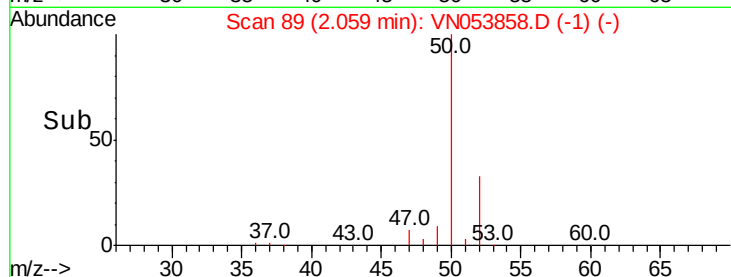
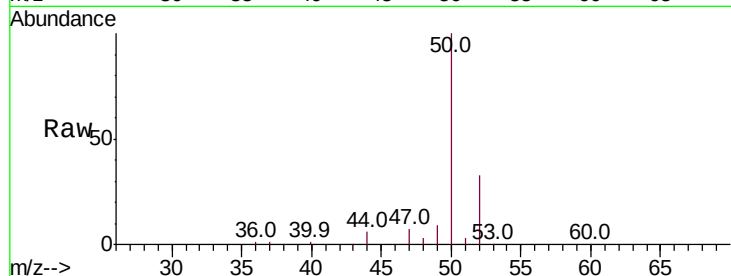
VN0219WBS01

Tot Ion: 50 Resp: 131258

Ion Ratio Lower Upper

50 100

52 33.0 26.6 40.0



#4

Vinyl Chloride

Concen: 18.411 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053858.D

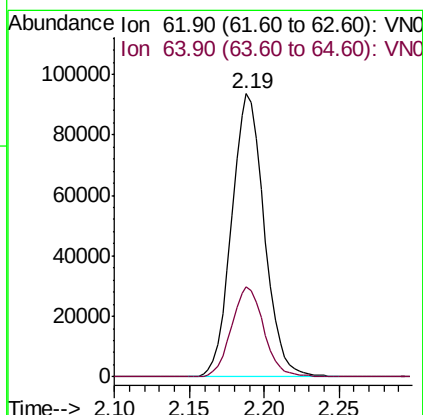
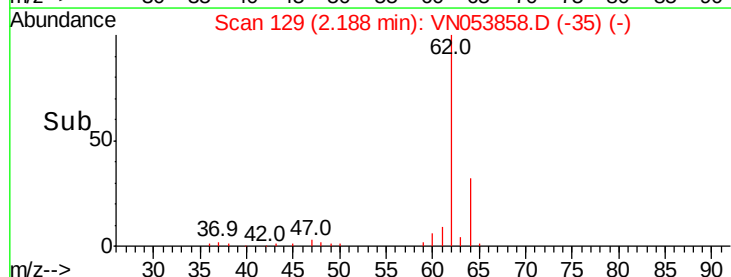
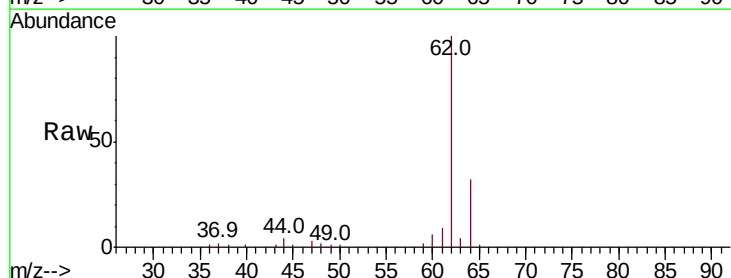
Acq: 19 Feb 2019 10:14

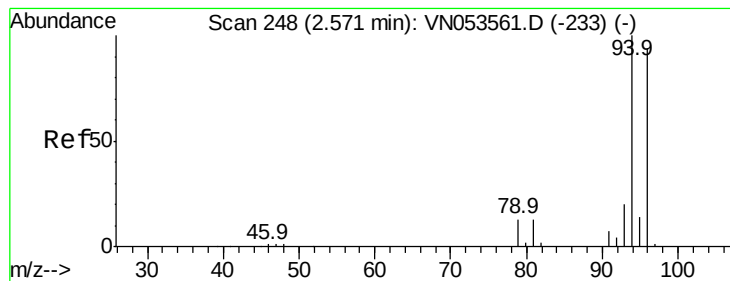
Tgt Ion: 62 Resp: 141941

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 20.138 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

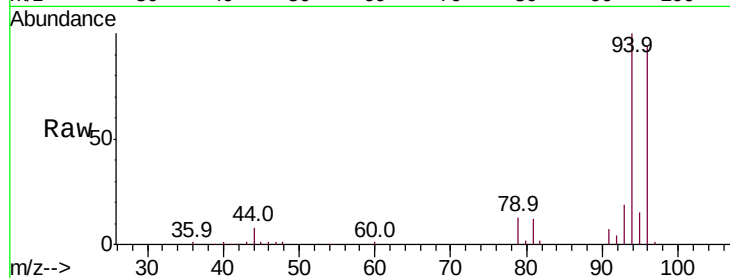
VN0219WBS01

Tot Ion: 94 Resp: 101514

Ion Ratio Lower Upper

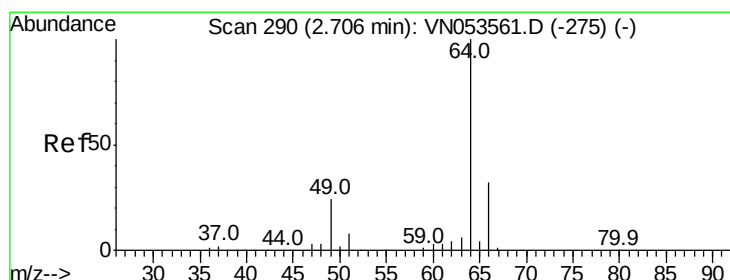
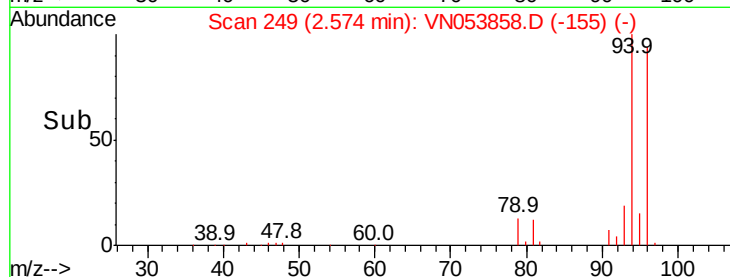
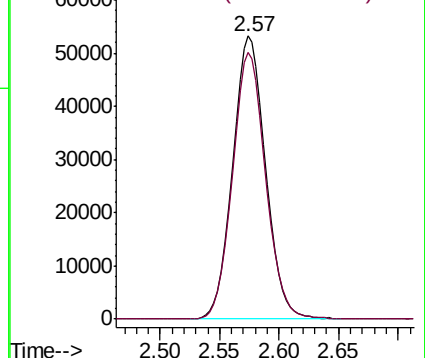
94 100

96 94.5 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.420 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053858.D

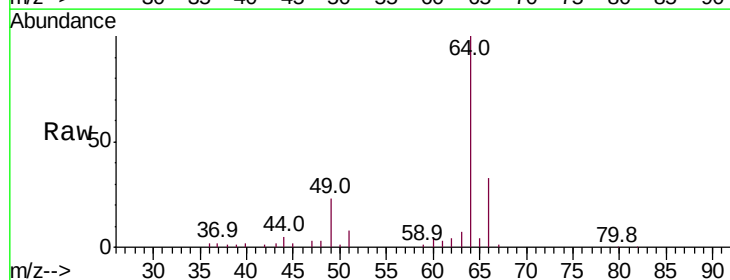
Acq: 19 Feb 2019 10:14

Tgt Ion: 64 Resp: 89965

Ion Ratio Lower Upper

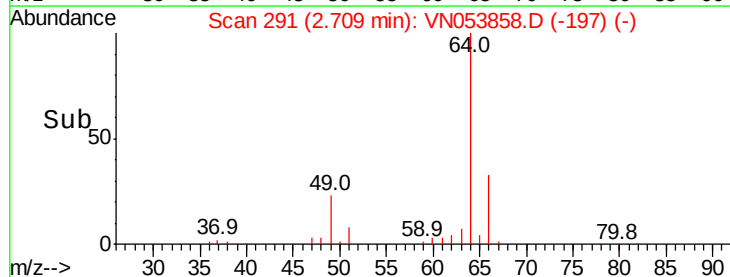
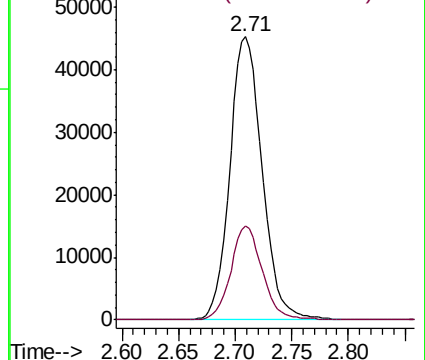
64 100

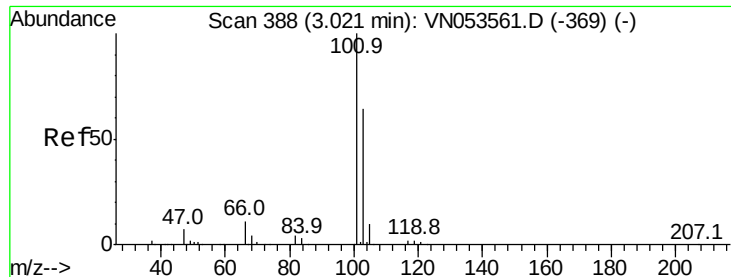
66 33.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



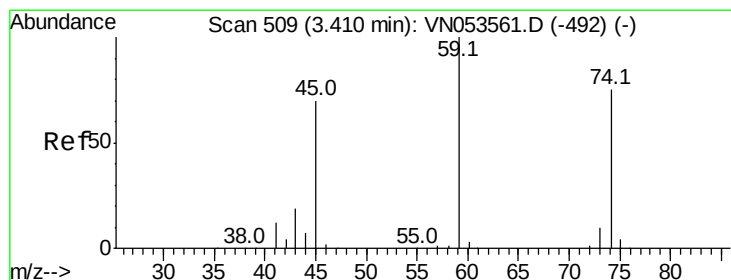
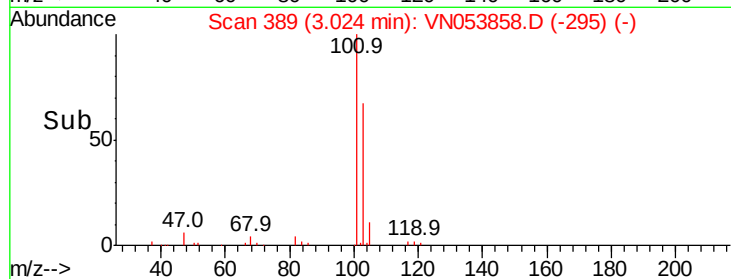
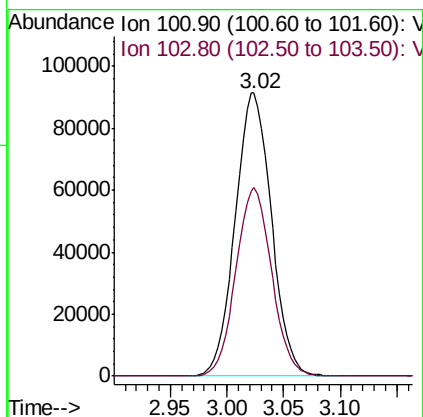
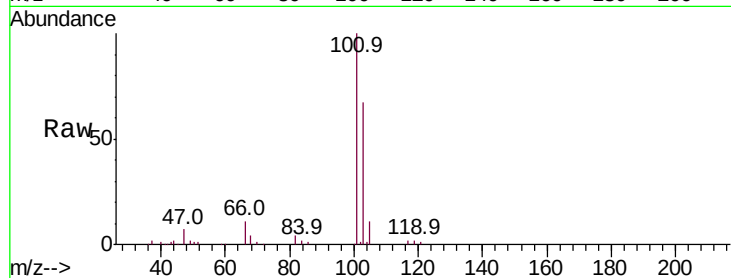


#7

Trichlorofluoromethane
 Concen: 19.542 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053858.D
 Acq: 19 Feb 2019 10:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0219WBS01

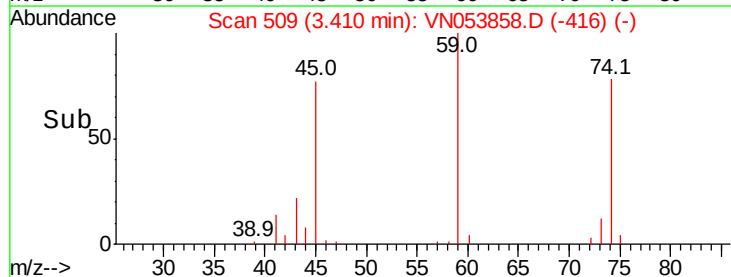
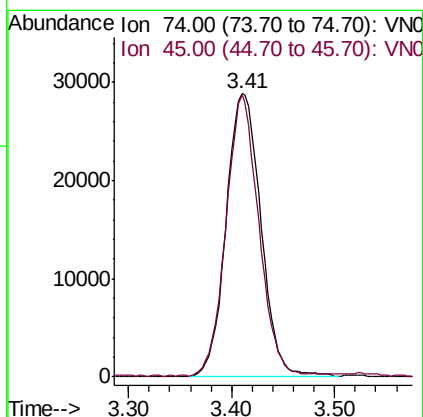
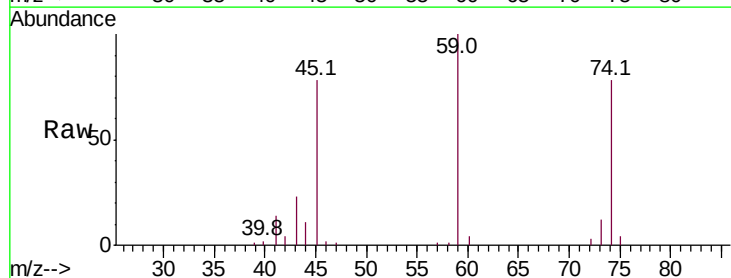
Tot Ion:101 Resp: 204308
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.6 77.4

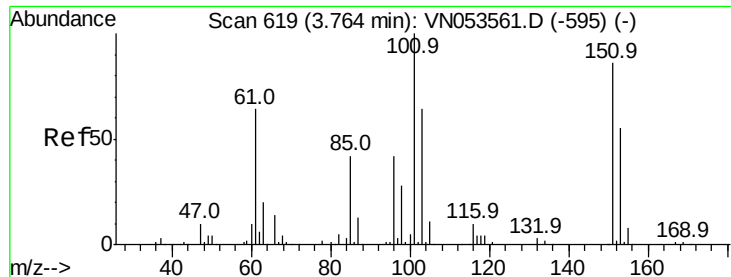


#8

Diethyl Ether
 Concen: 17.775 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053858.D
 Acq: 19 Feb 2019 10:14

Tgt Ion: 74 Resp: 67868
 Ion Ratio Lower Upper
 74 100
 45 94.1 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.266 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

VN0219WBS01

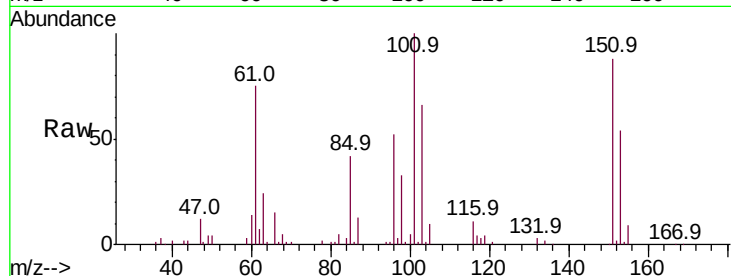
Tot Ion:101 Resp: 124575

Ion Ratio Lower Upper

101 100

85 41.2 32.8 49.2

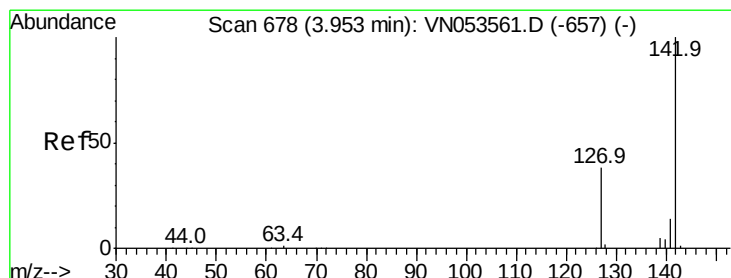
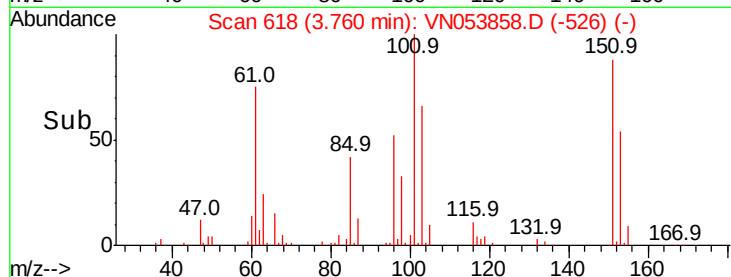
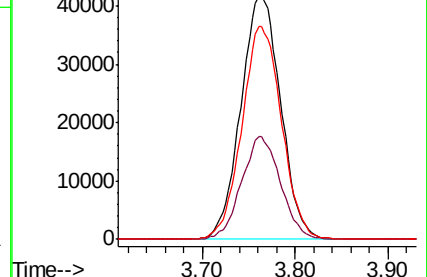
151 87.1 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.273 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

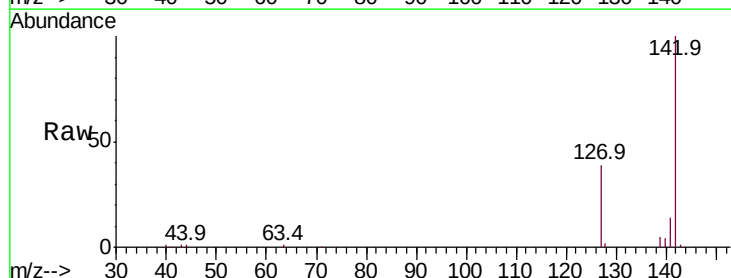
Tgt Ion:142 Resp: 165153

Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.4

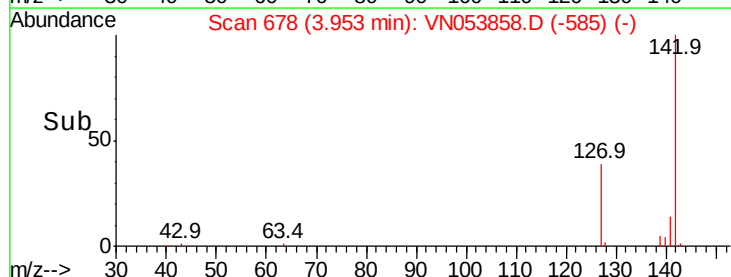
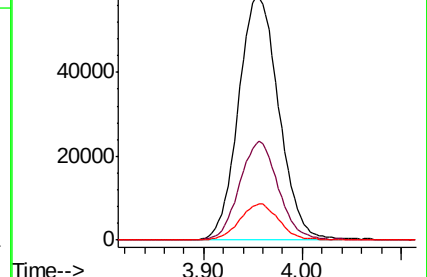
141 14.4 11.1 16.7

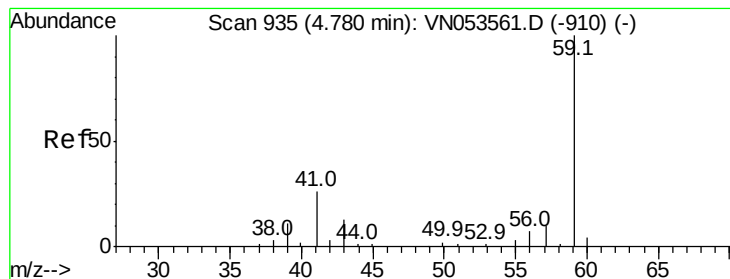


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



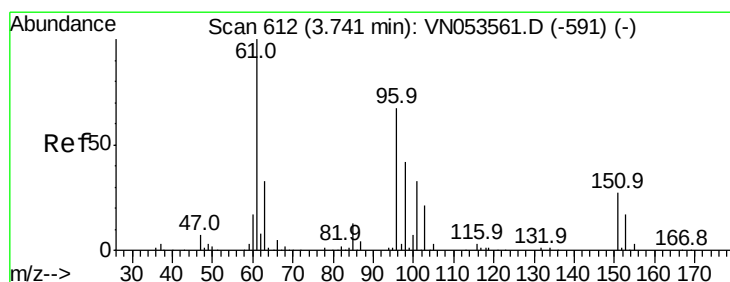
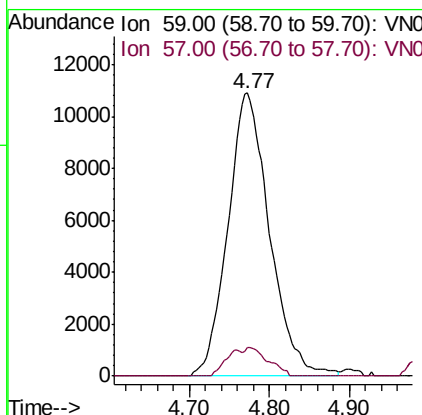
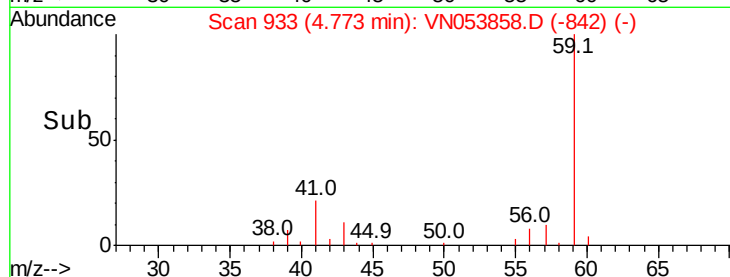
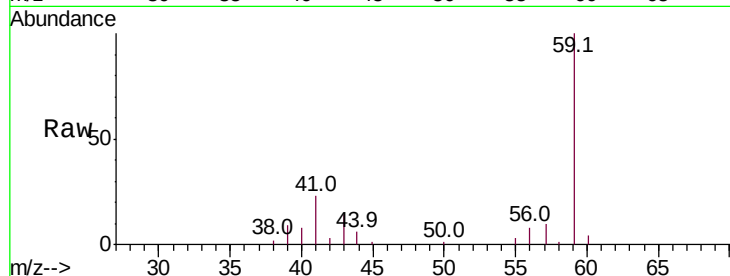


#11

Tert butyl alcohol
 Concen: 97.028 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN053858.D
 Acq: 19 Feb 2019 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

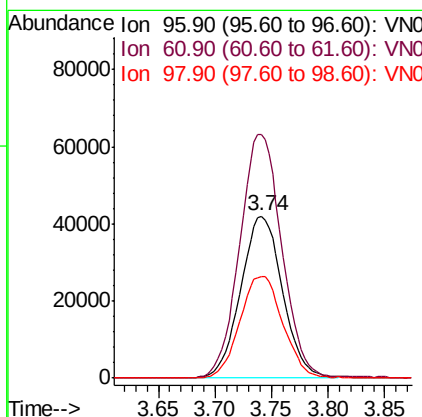
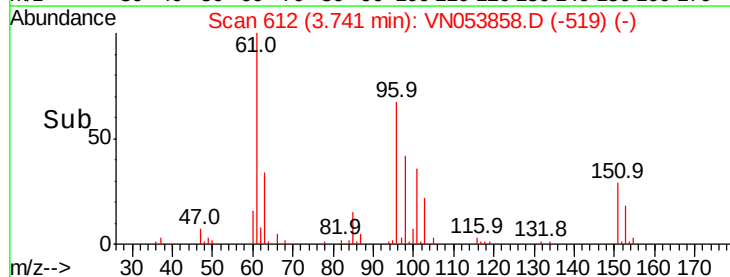
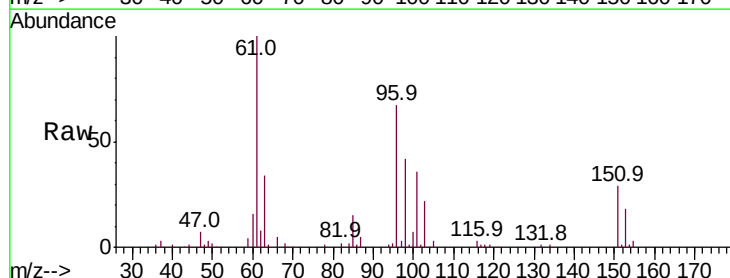
Tot Ion: 59 Resp: 38538
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

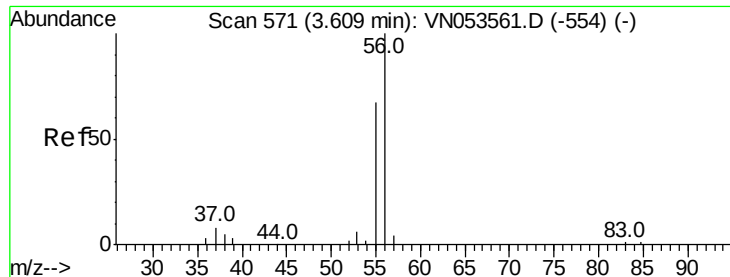


#12

1,1-Dichloroethene
 Concen: 17.448 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053858.D
 Acq: 19 Feb 2019 10:14

Tgt Ion: 96 Resp: 108090
 Ion Ratio Lower Upper
 96 100
 61 150.2 122.9 184.3
 98 62.9 49.4 74.0





#13

Acrolein

Concen: 74.030 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

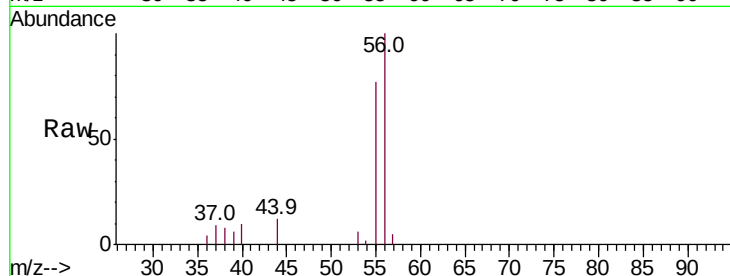
VN0219WBS01

Tot Ion: 56 Resp: 16009

Ion Ratio Lower Upper

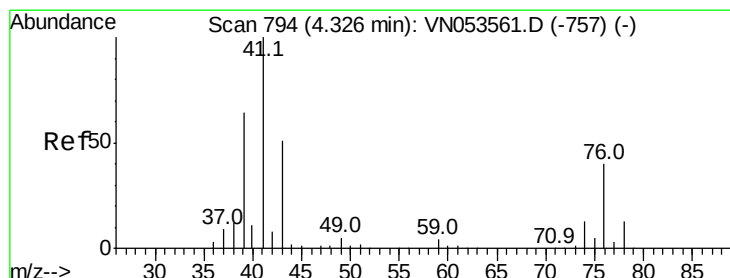
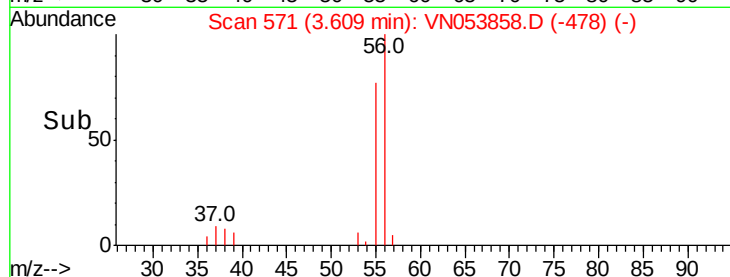
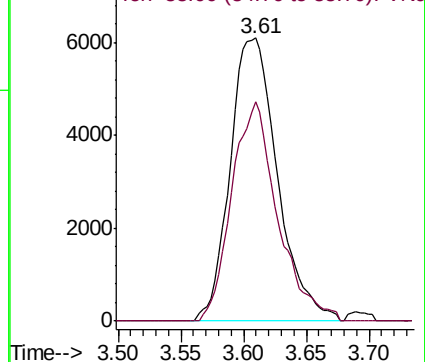
56 100

55 75.3 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.278 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

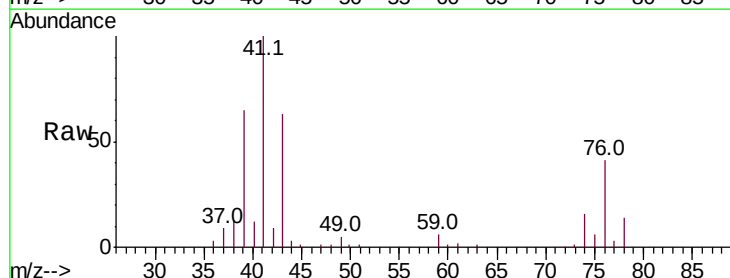
Tgt Ion: 41 Resp: 170422

Ion Ratio Lower Upper

41 100

39 59.3 48.9 73.3

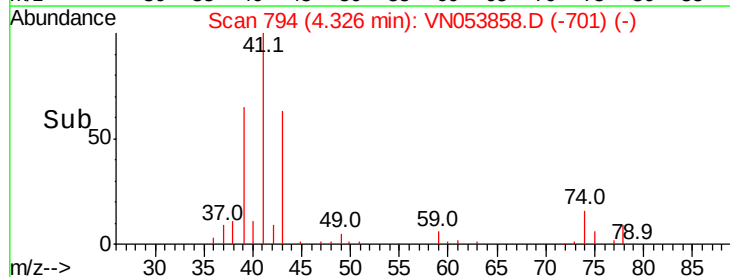
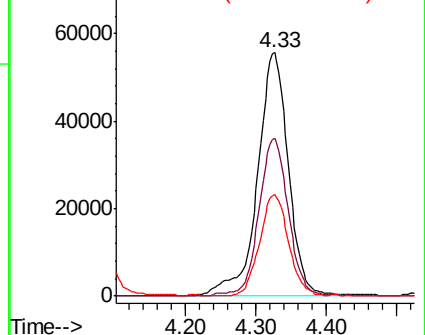
76 39.1 29.4 44.2

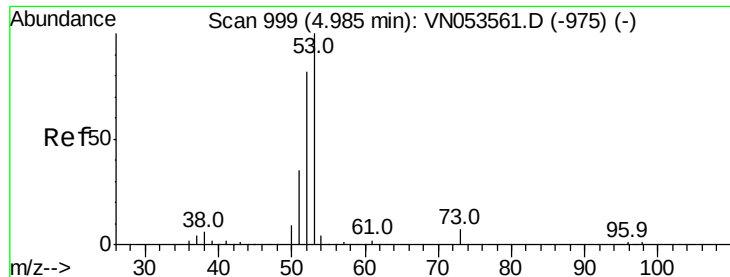


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 92.617 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

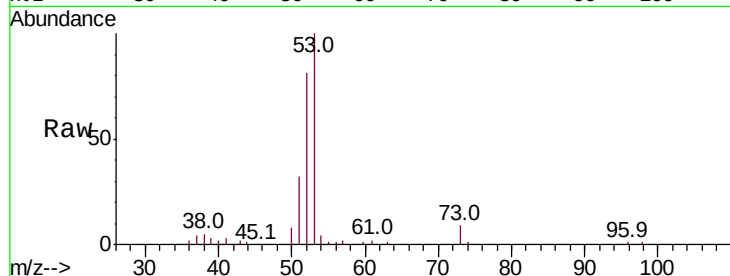
Tot Ion: 53 Resp: 198588

Ion Ratio Lower Upper

53 100

52 83.4 66.0 99.0

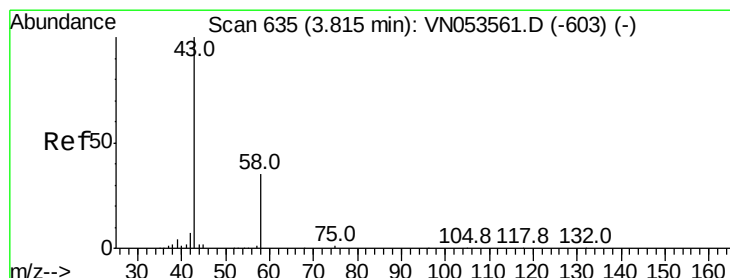
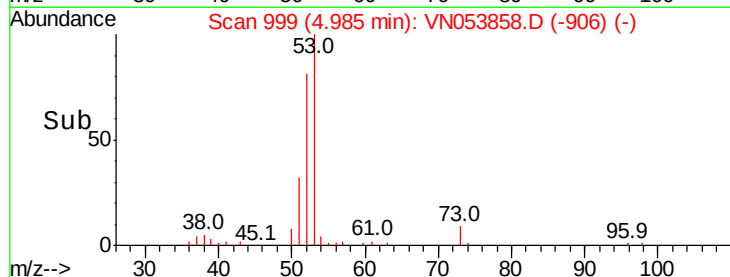
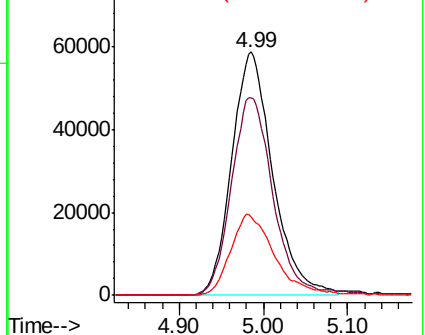
51 35.5 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 102.971 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053858.D

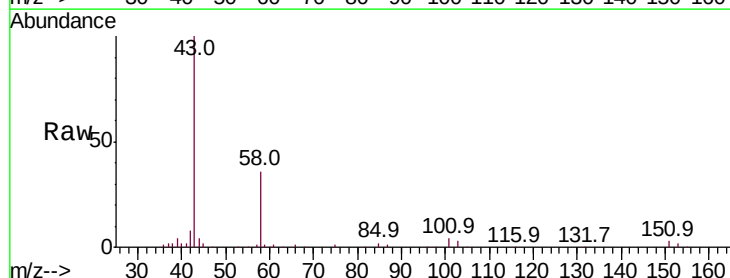
Acq: 19 Feb 2019 10:14

Tgt Ion: 43 Resp: 177257

Ion Ratio Lower Upper

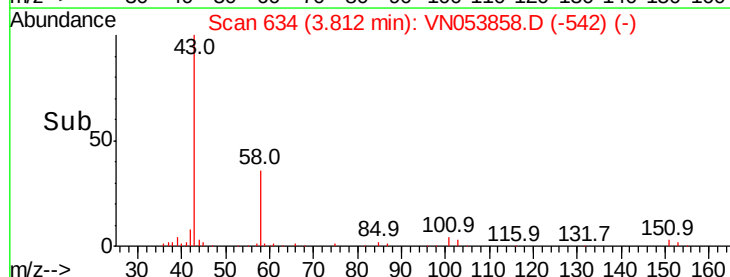
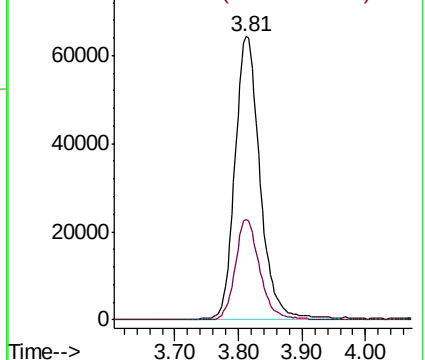
43 100

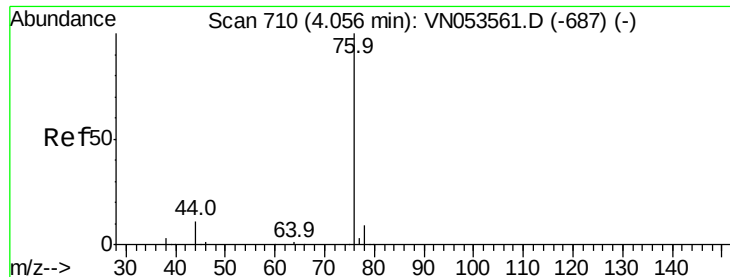
58 35.6 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 14.884 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

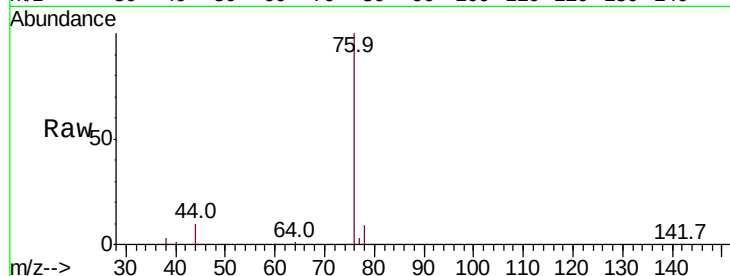
VN0219WBS01

Tot Ion: 76 Resp: 287099

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

120000

100000

80000

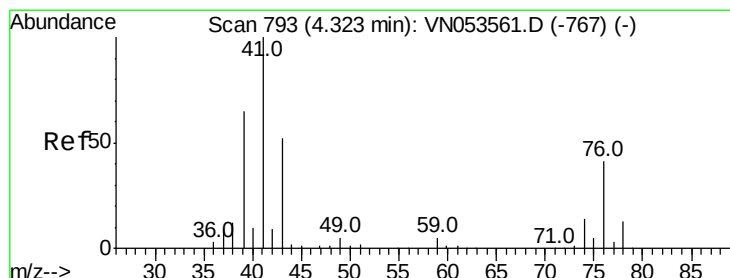
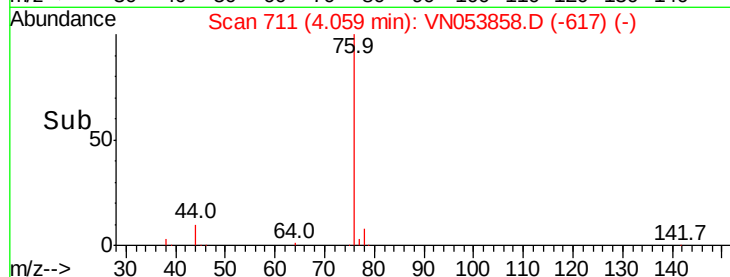
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.143 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053858.D

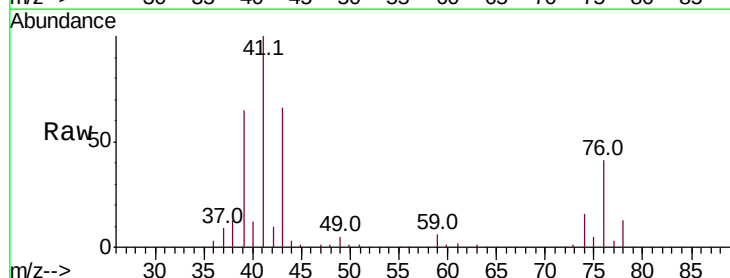
Acq: 19 Feb 2019 10:14

Tgt Ion: 43 Resp: 107789

Ion Ratio Lower Upper

43 100

74 24.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

40000

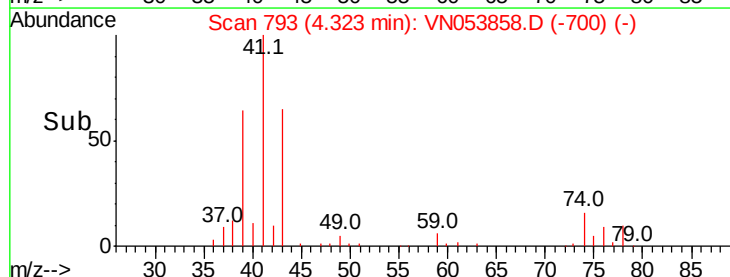
30000

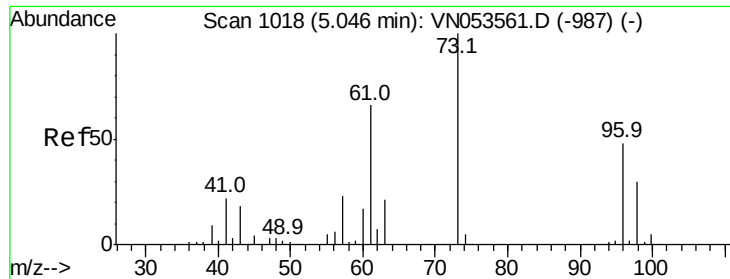
20000

10000

0

Time-->

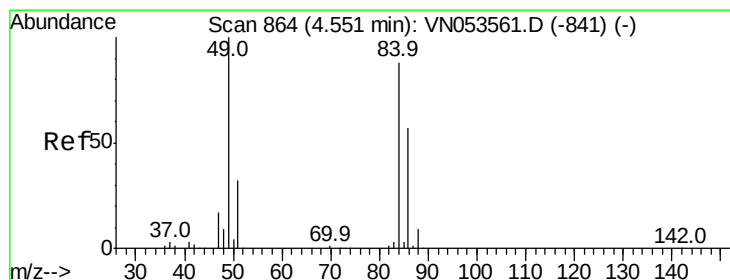
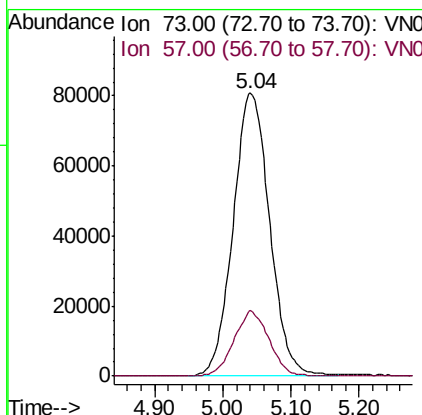
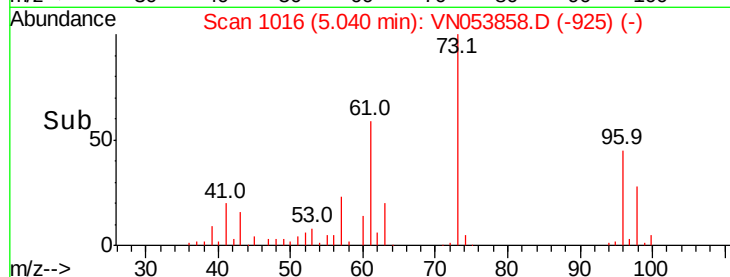
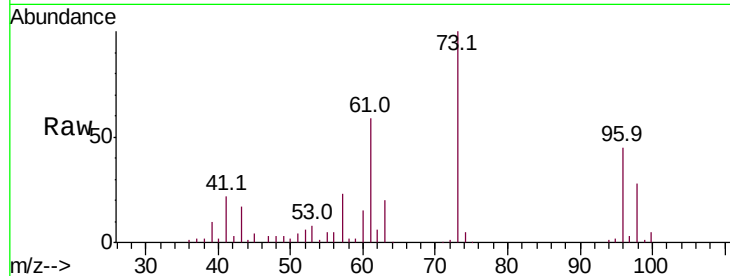




#19
Methyl tert-butyl Ether
Concen: 19.130 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

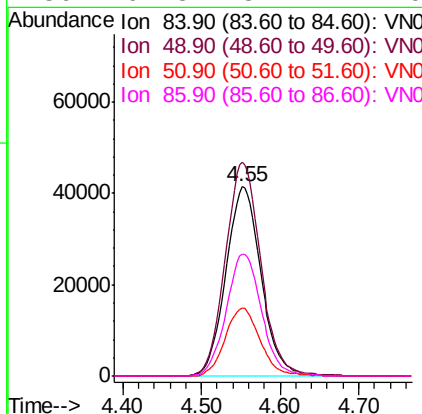
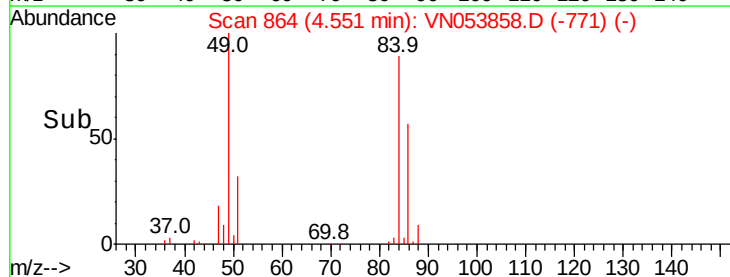
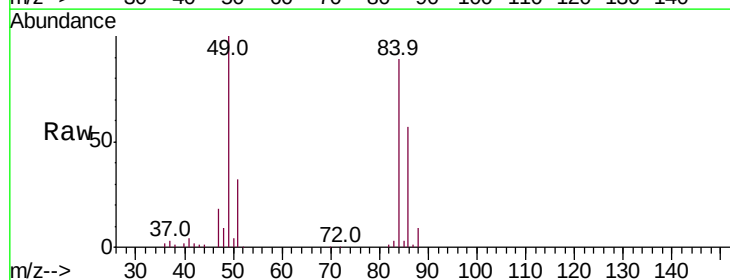
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

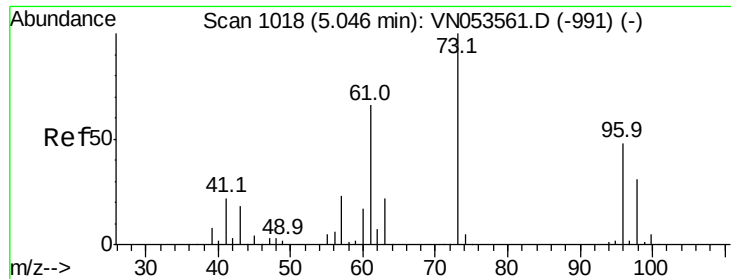
Tot Ion: 73 Resp: 300432
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5



#20
Methylene Chloride
Concen: 17.848 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

Tgt Ion: 84 Resp: 128897
Ion Ratio Lower Upper
84 100
49 112.8 94.3 141.5
51 36.1 29.4 44.2
86 64.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 17.558 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

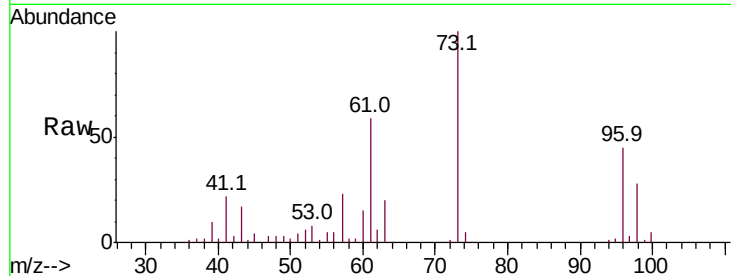
Tot Ion: 96 Resp: 117346

Ion Ratio Lower Upper

96 100

61 131.0 110.1 165.1

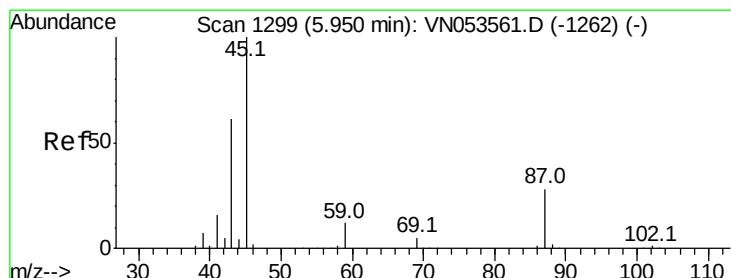
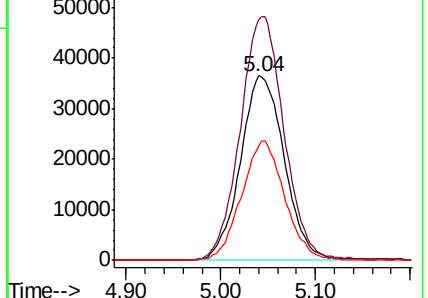
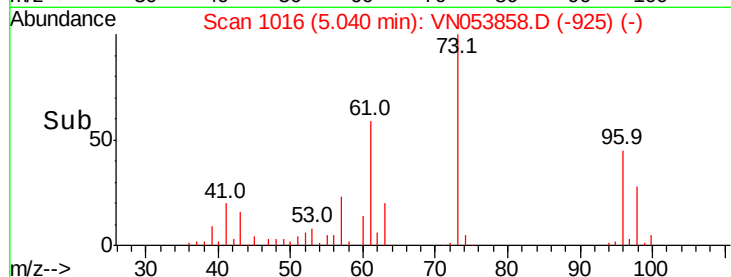
98 62.3 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.762 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Tgt Ion: 45 Resp: 342913

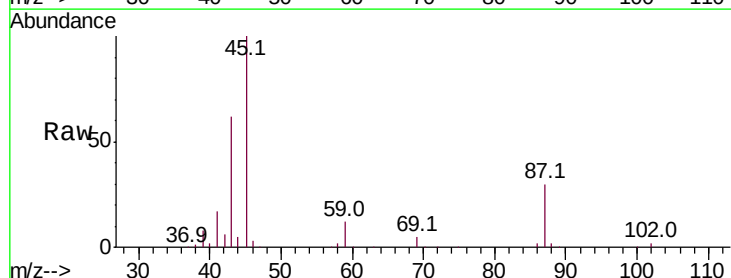
Ion Ratio Lower Upper

45 100

43 57.9 44.2 66.4

87 28.9 22.7 34.1

59 12.0 9.4 14.2

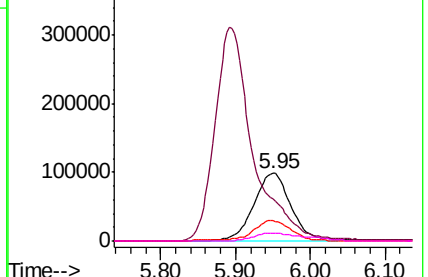
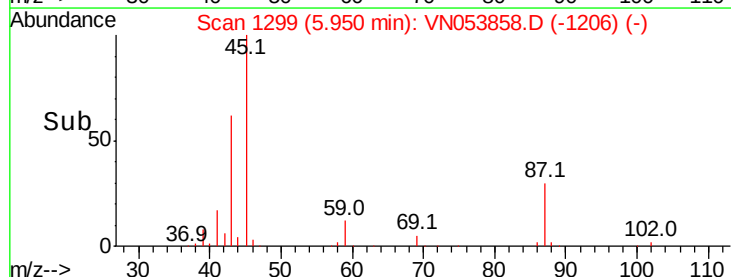


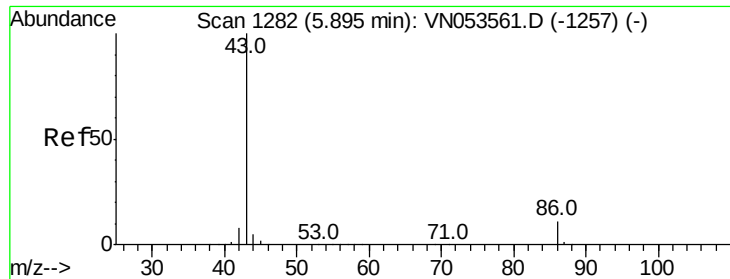
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 87.180 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

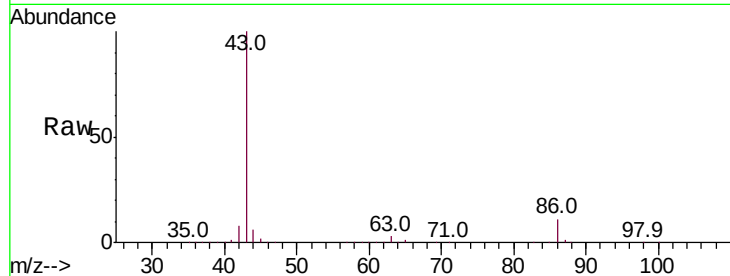
VN0219WBS01

Tot Ion: 43 Resp: 1102259

Ion Ratio Lower Upper

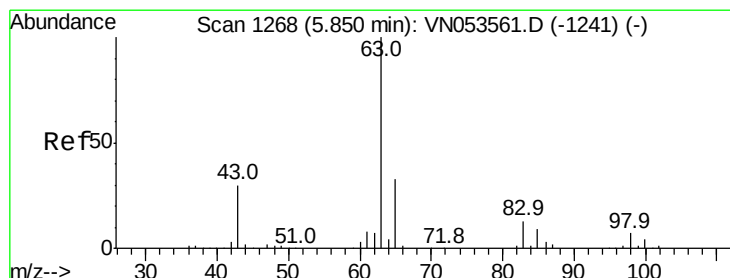
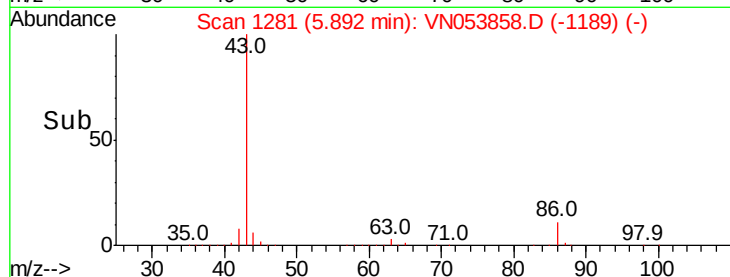
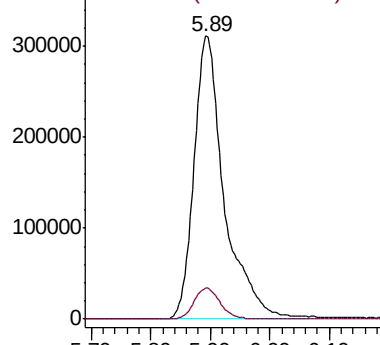
43 100

86 10.9 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.273 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

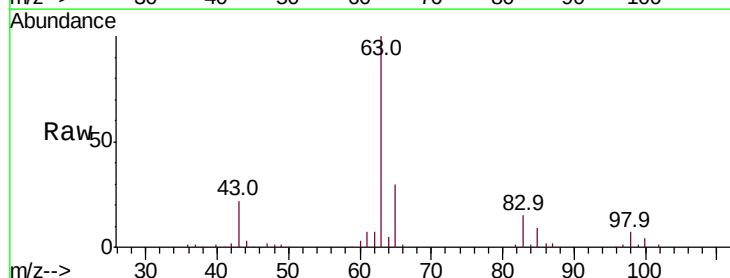
Tgt Ion: 63 Resp: 222758

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

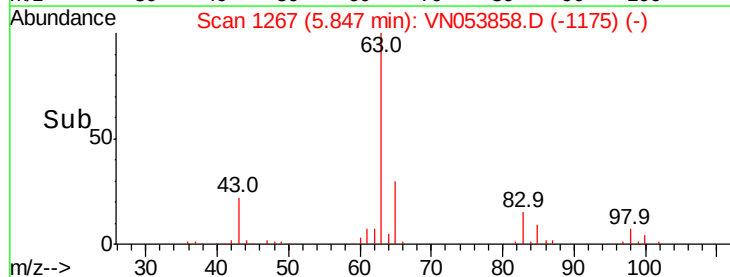
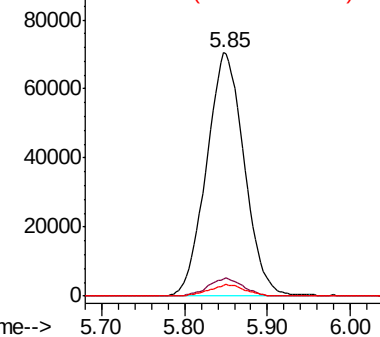
100 4.4 2.1 6.5

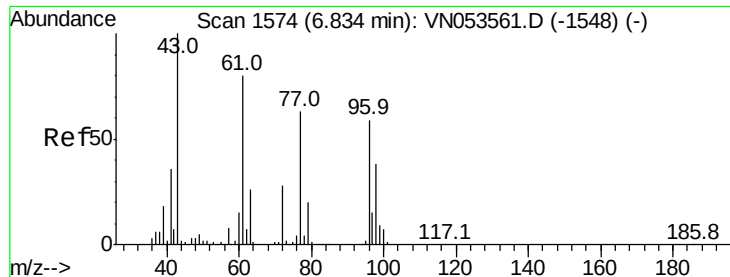


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 95.931 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

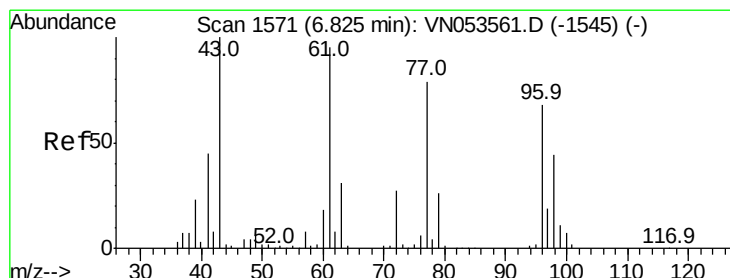
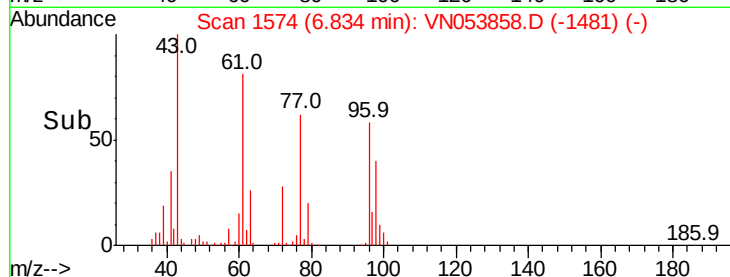
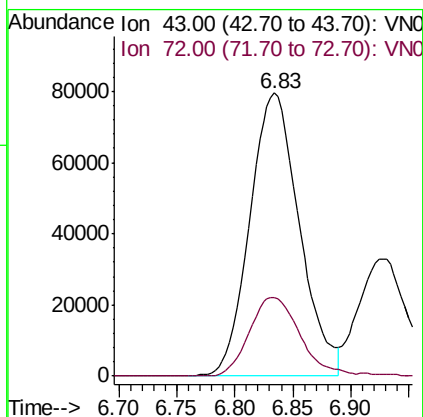
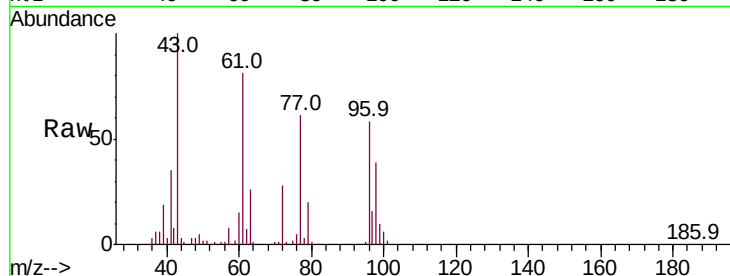
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tot Ion: 43 Resp: 235523

Ion Ratio Lower Upper

43 100

72 27.8 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.020 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053858.D

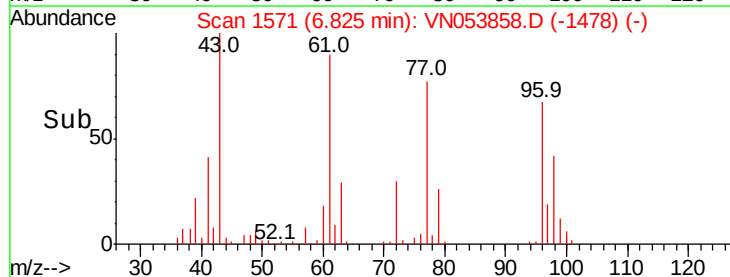
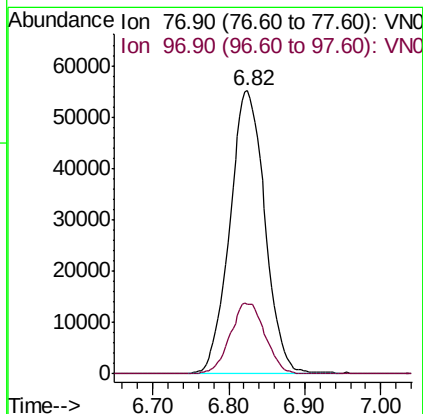
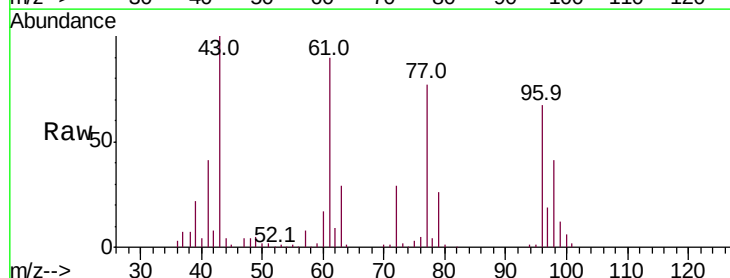
Acq: 19 Feb 2019 10:14

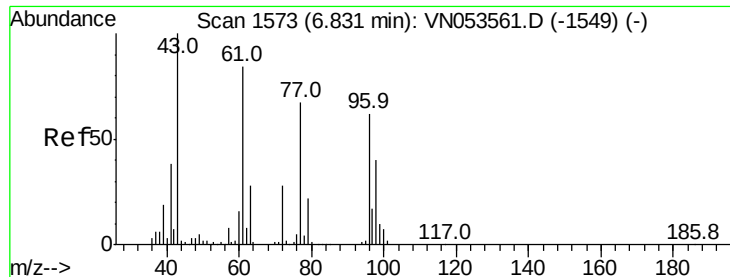
Tgt Ion: 77 Resp: 176991

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.385 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

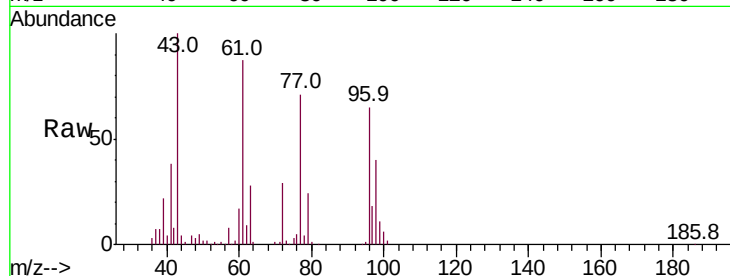
Tot Ion: 96 Resp: 144067

Ion Ratio Lower Upper

96 100

61 137.0 0.0 283.8

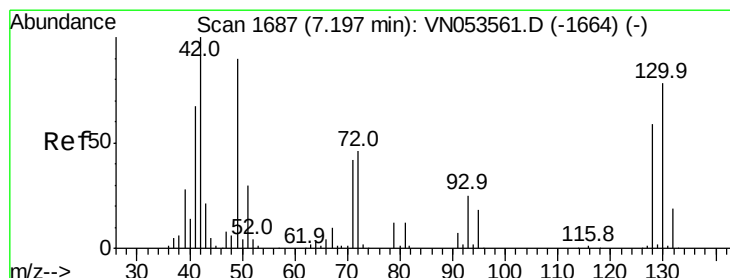
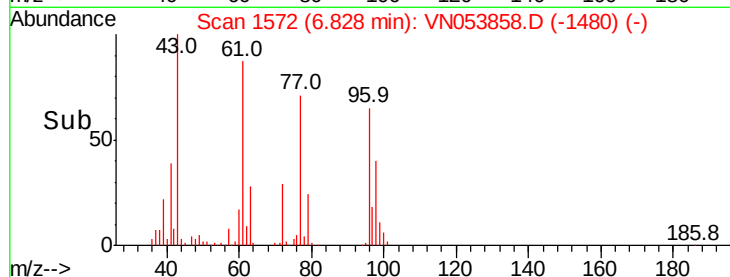
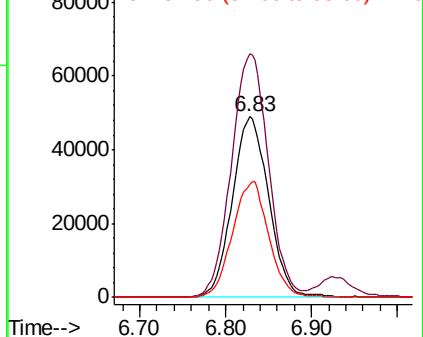
98 63.9 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.794 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

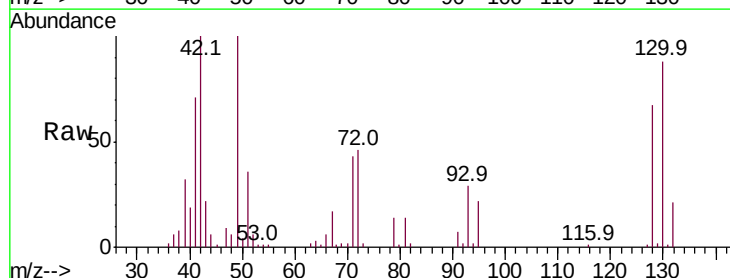
Tgt Ion: 49 Resp: 99421

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

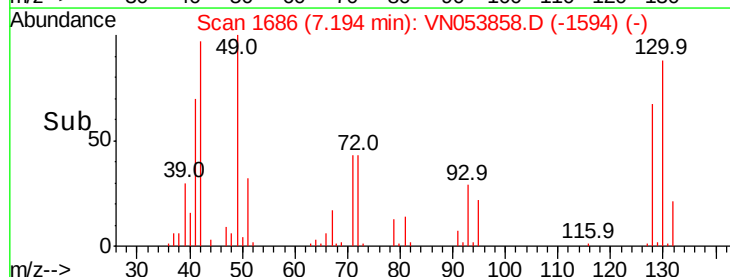
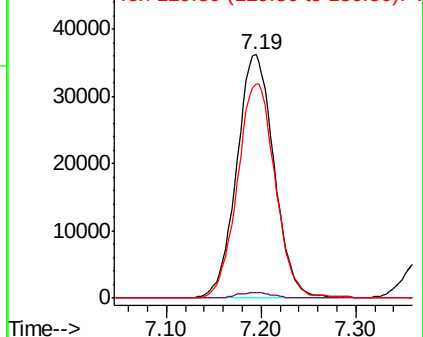
130 88.9 66.3 99.5

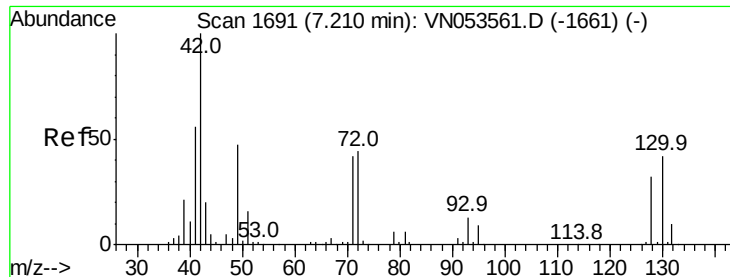


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

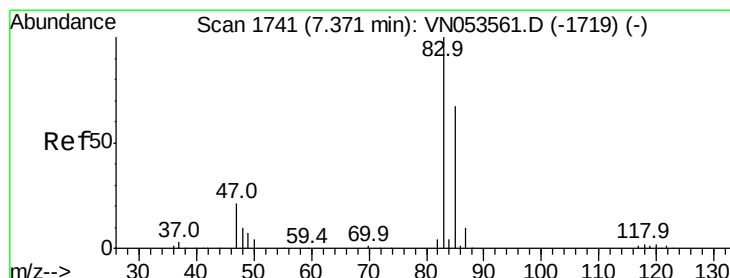
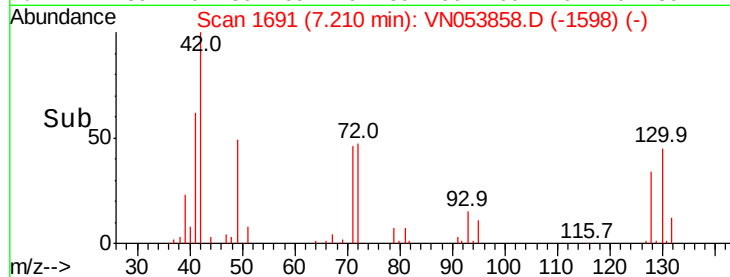
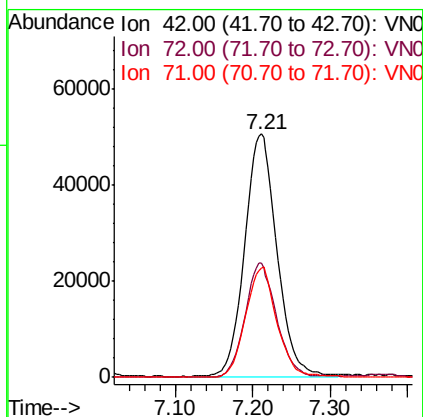
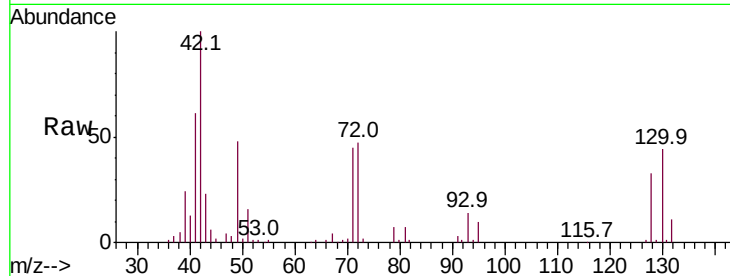




#29
Tetrahydrofuran
Concen: 93.321 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

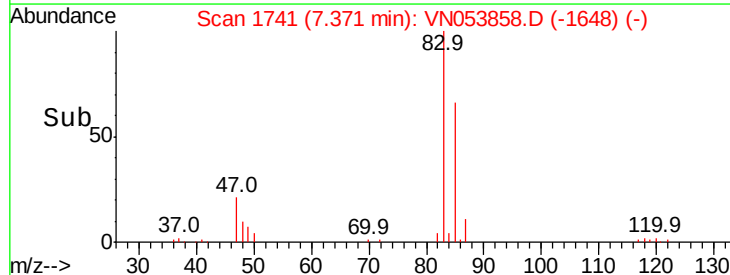
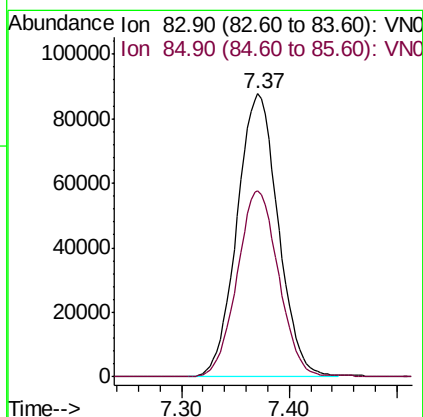
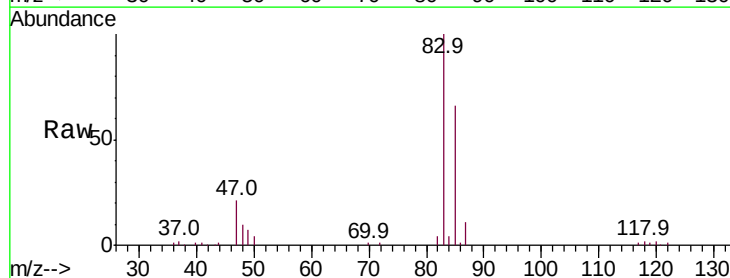
Instrument :
MSVOA_N
ClientSampled :
VN0219WBS01

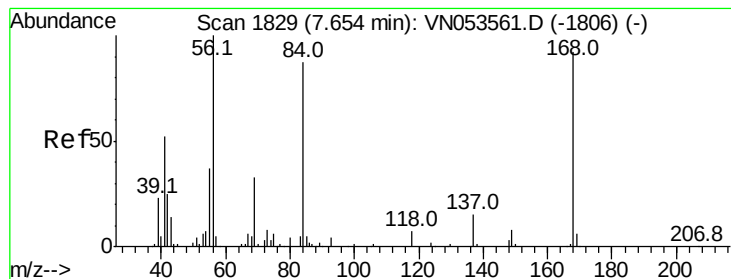
Tot Ion: 42 Resp: 147123
Ion Ratio Lower Upper
42 100
72 45.6 35.2 52.8
71 44.2 33.0 49.4



#30
Chloroform
Concen: 19.264 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

Tgt Ion: 83 Resp: 232788
Ion Ratio Lower Upper
83 100
85 65.9 52.2 78.2





#31

Cyclohexane

Concen: 17.375 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

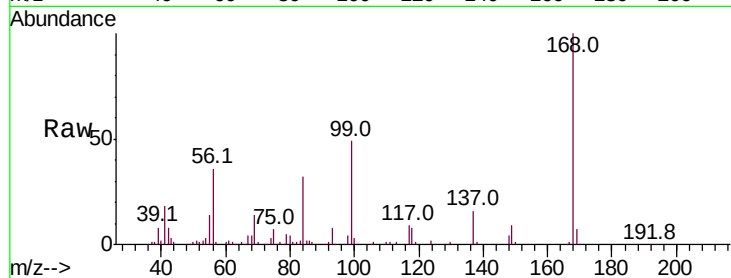
Tot Ion: 56 Resp: 198450

Ion Ratio Lower Upper

56 100

69 37.7 26.4 39.6

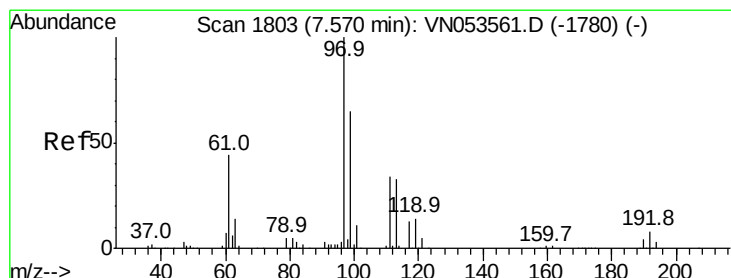
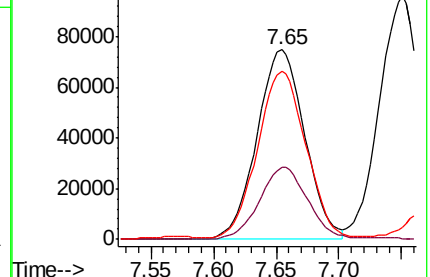
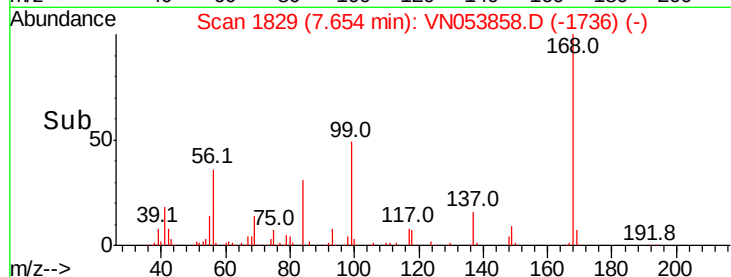
84 87.5 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.371 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

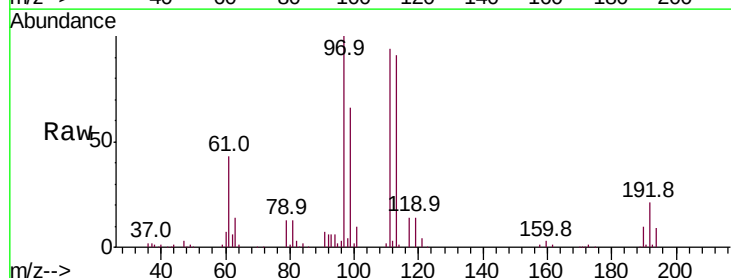
Tgt Ion: 97 Resp: 194807

Ion Ratio Lower Upper

97 100

99 66.0 52.0 78.0

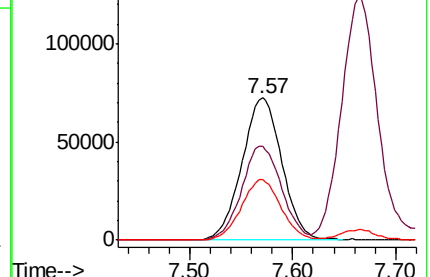
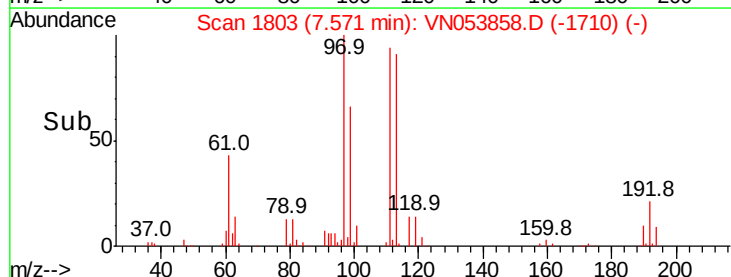
61 42.2 34.4 51.6

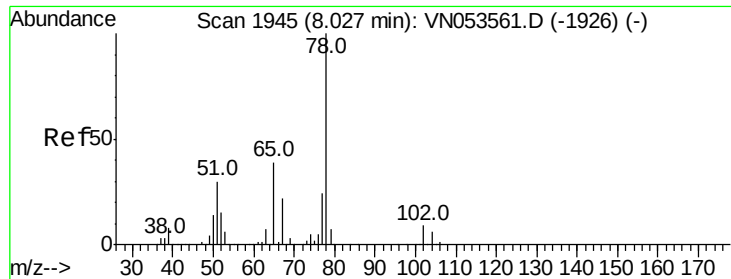


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

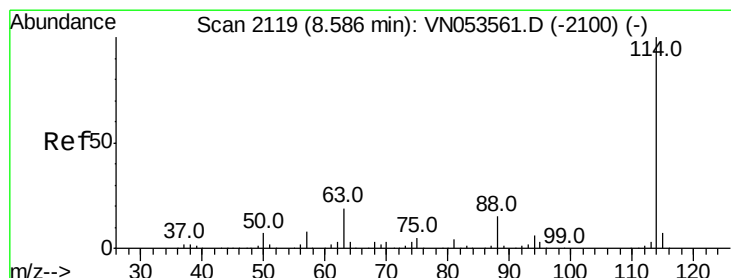
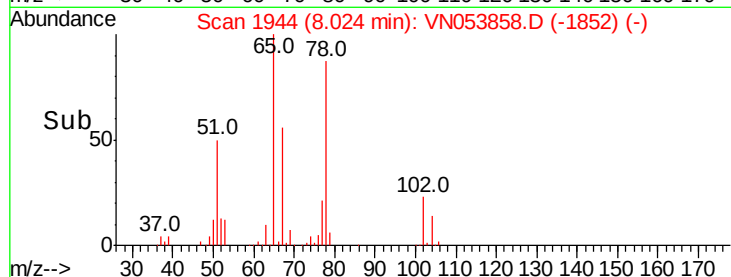
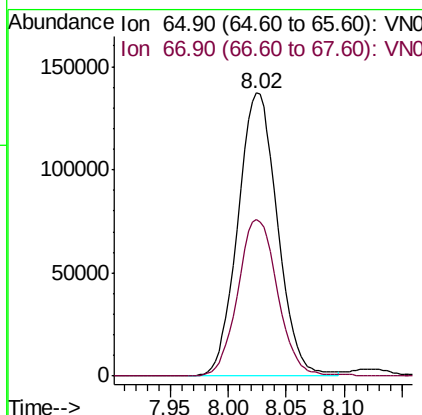
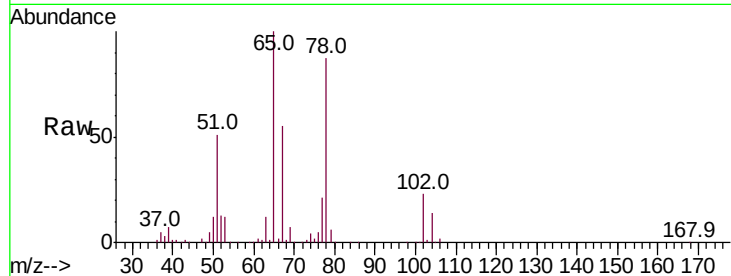




#33
 1,2-Dichloroethane-d4
 Concen: 48.674 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053858.D
 Acq: 19 Feb 2019 10:14

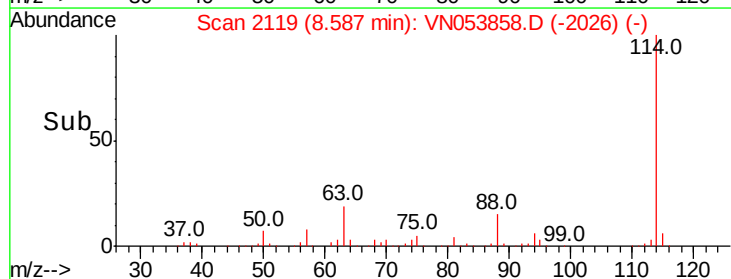
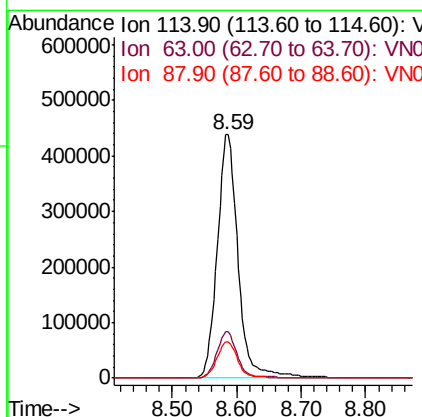
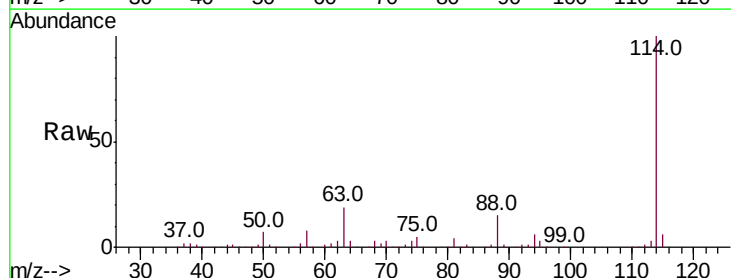
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

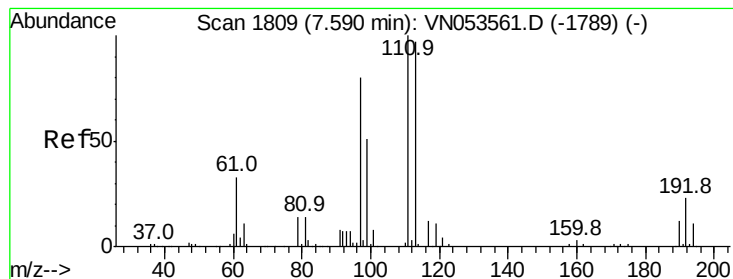
Tot Ion: 65 Resp: 326657
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053858.D
 Acq: 19 Feb 2019 10:14

Tgt Ion: 114 Resp: 983327
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.482 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

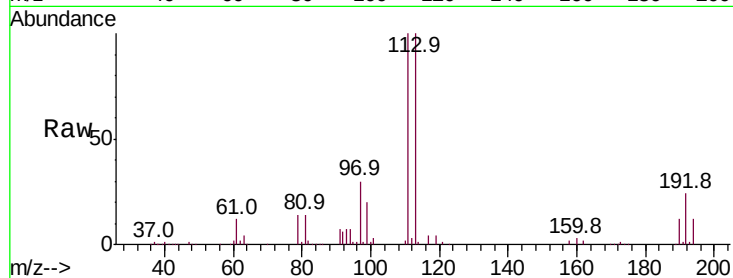
Tot Ion:113 Resp: 319876

Ion Ratio Lower Upper

113 100

111 101.6 81.1 121.7

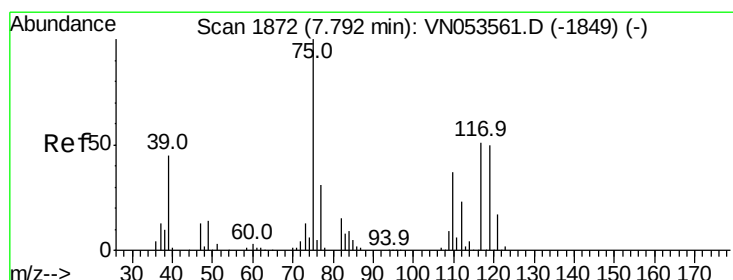
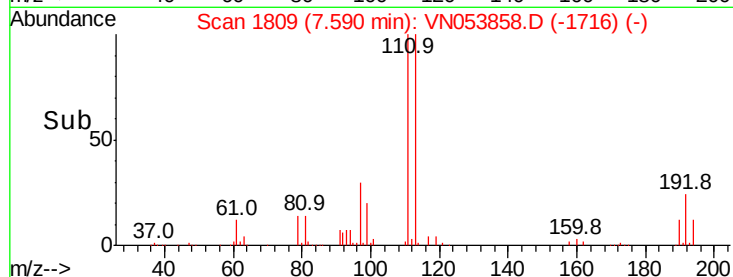
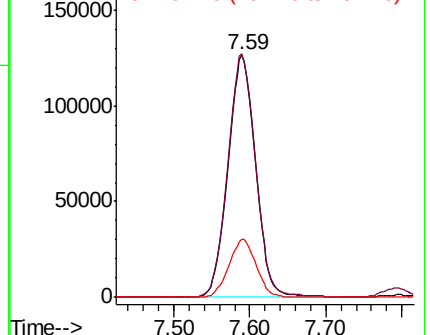
192 23.7 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.624 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

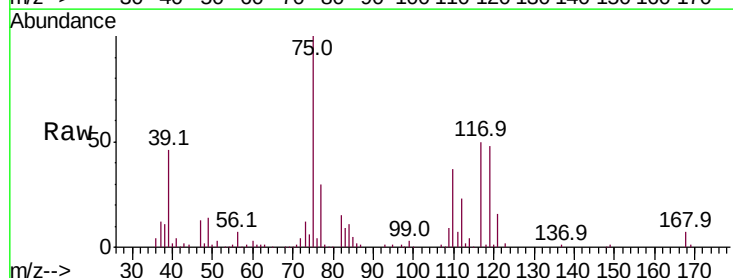
Tgt Ion: 75 Resp: 165087

Ion Ratio Lower Upper

75 100

110 37.9 18.1 54.3

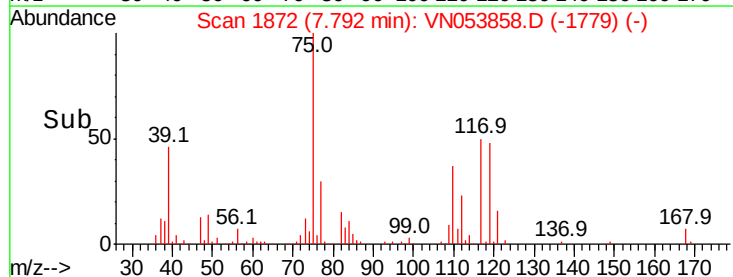
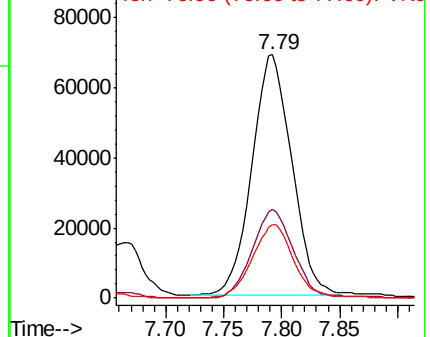
77 31.4 25.1 37.7

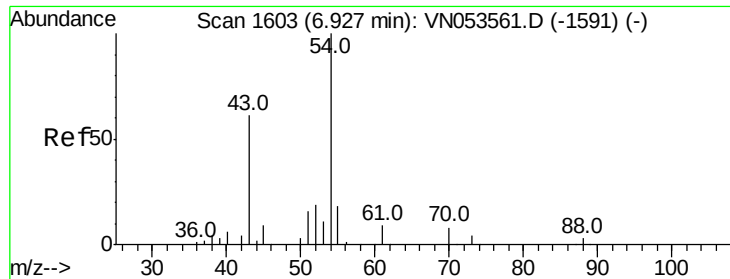


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

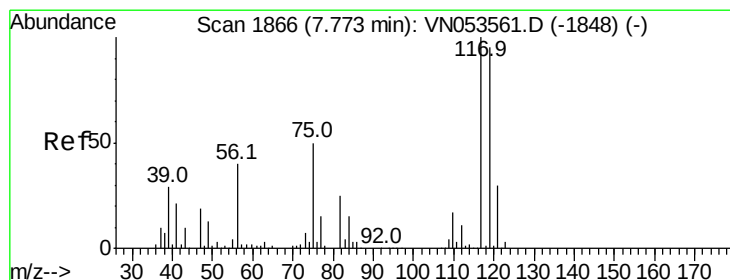
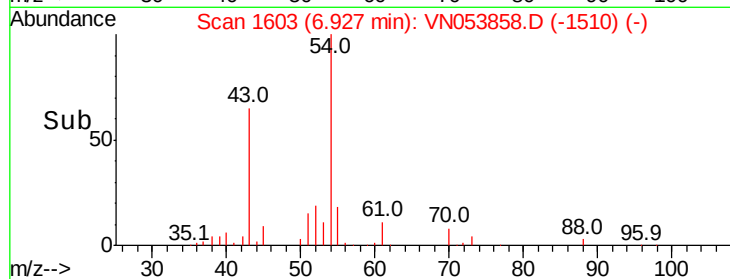
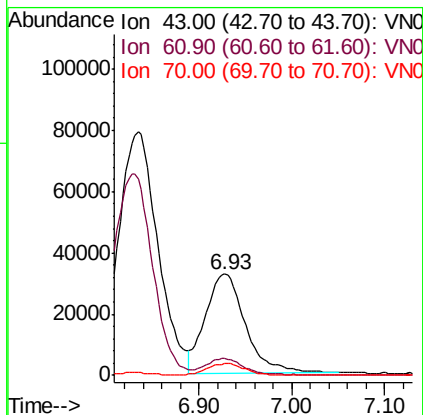
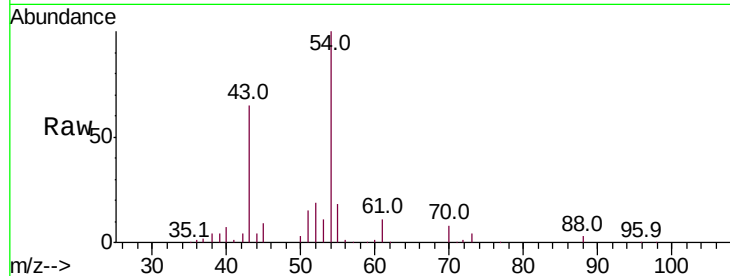




#37
Ethyl Acetate
Concen: 19.915 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

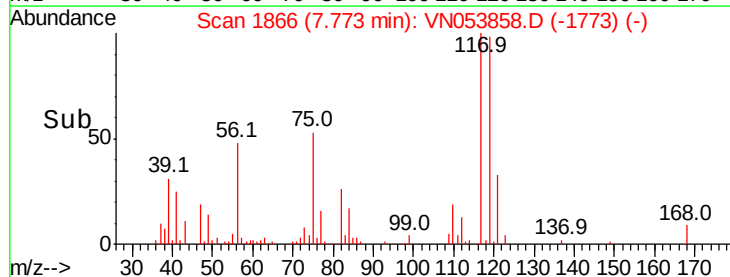
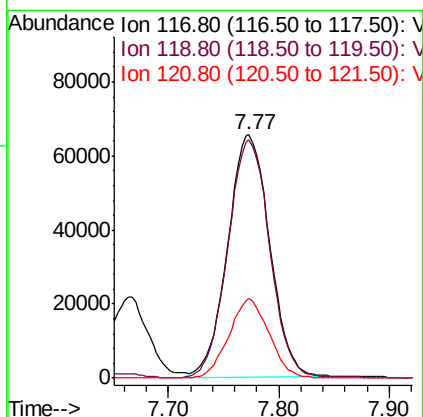
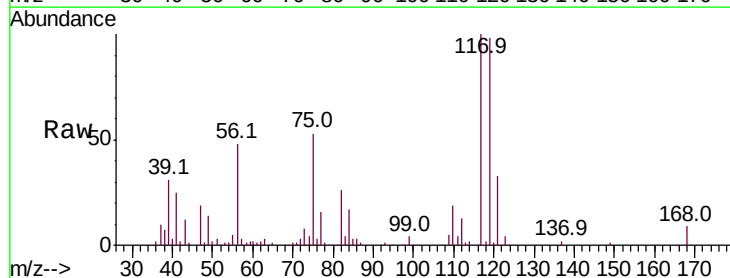
Instrument :
MSVOA_N
ClientSampled :
VN0219WBS01

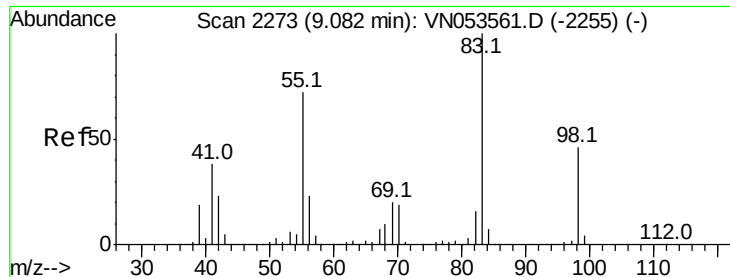
Tot Ion: 43 Resp: 98592
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 11.4 8.6 12.8



#38
Carbon Tetrachloride
Concen: 19.279 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

Tgt Ion: 117 Resp: 172152
Ion Ratio Lower Upper
117 100
119 98.2 77.2 115.8
121 32.9 24.6 37.0

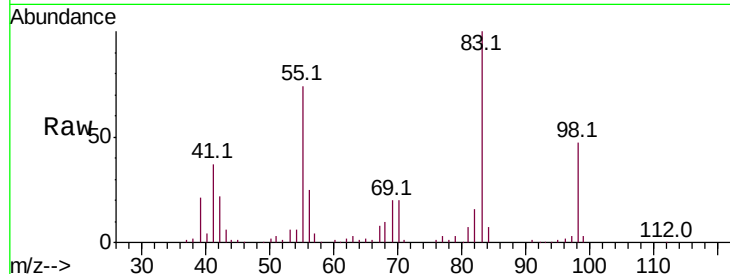




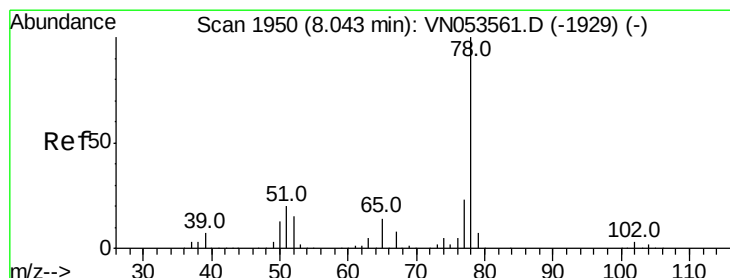
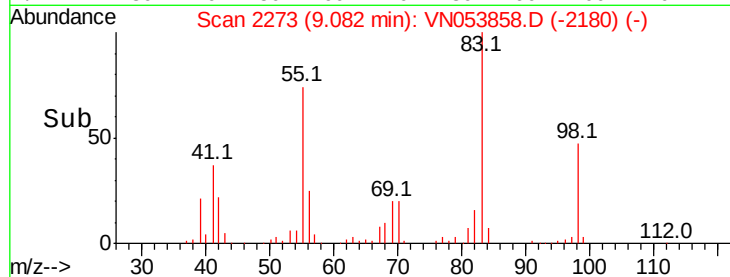
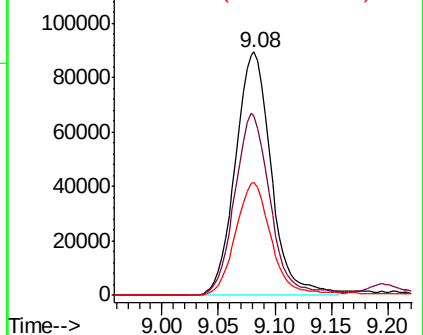
#39
Methylvlcyclohexane
Concen: 18.760 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tot Ion: 83 Resp: 197290
Ion Ratio Lower Upper
83 100
55 73.6 60.1 90.1
98 46.6 36.6 55.0

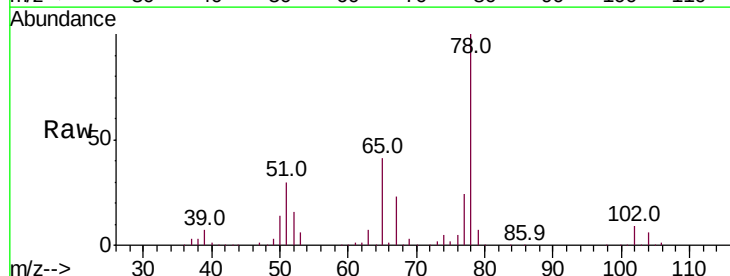


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

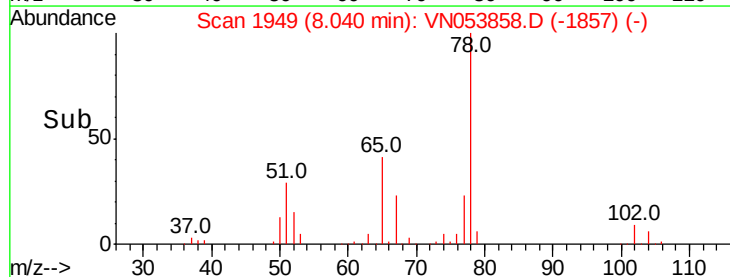
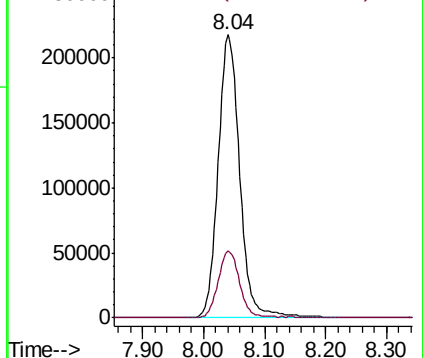


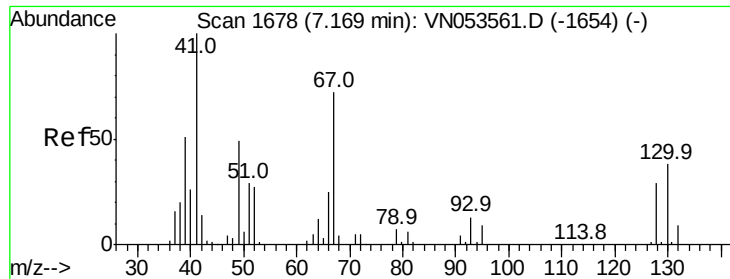
#40
Benzene
Concen: 19.562 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

Tgt Ion: 78 Resp: 534721
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



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

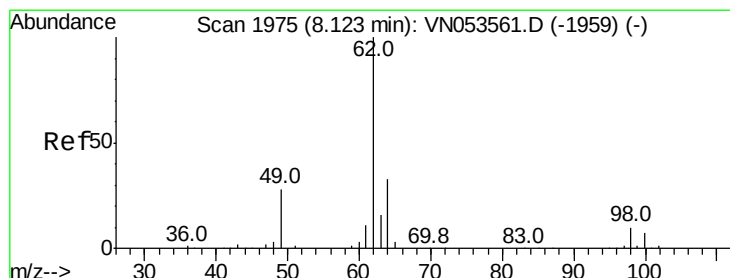
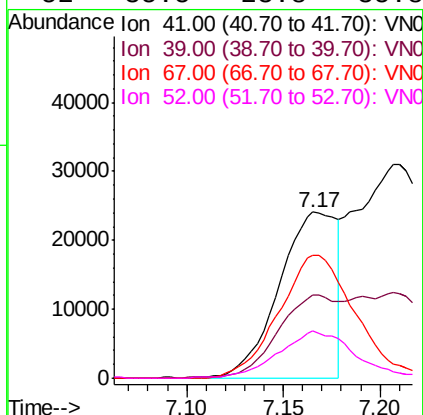
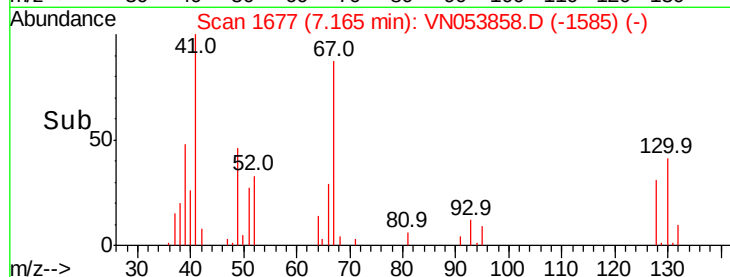
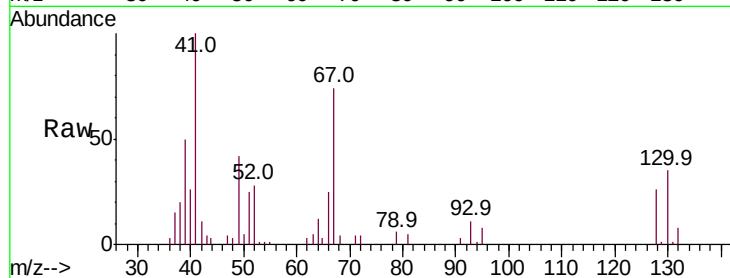




#41
Methacrylonitrile
Concen: 18.136 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

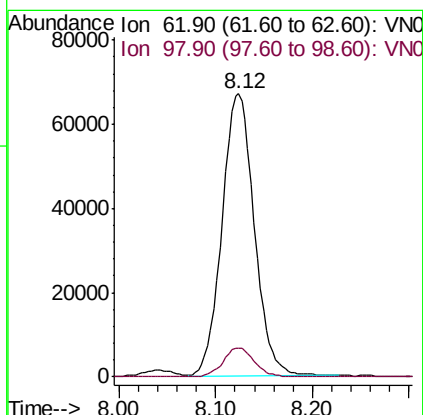
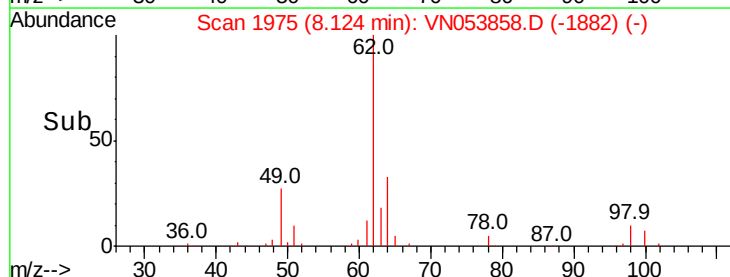
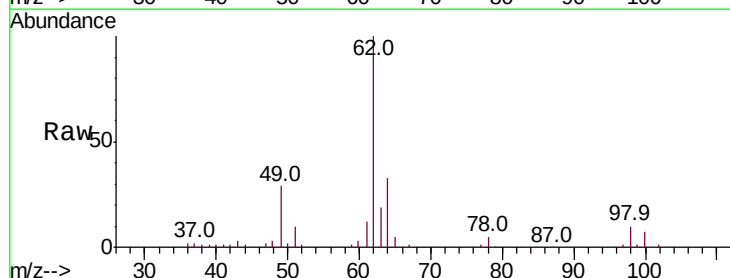
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

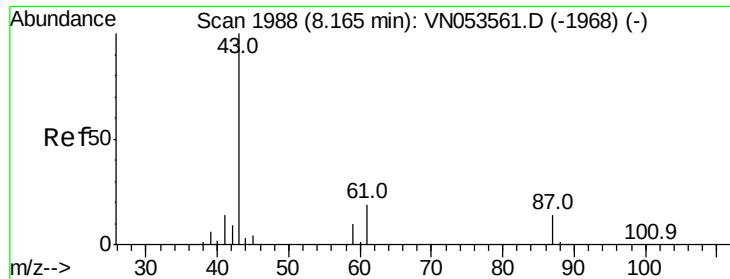
Tot Ion: 41 Resp: 50180
Ion Ratio Lower Upper
41 100
39 54.7 46.8 70.2
67 98.7 63.0 94.6#
52 35.5 23.8 35.8



#42
1,2-Dichloroethane
Concen: 19.164 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

Tgt Ion: 62 Resp: 155537
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.6





#43

Isopropyl Acetate

Concen: 18.129 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

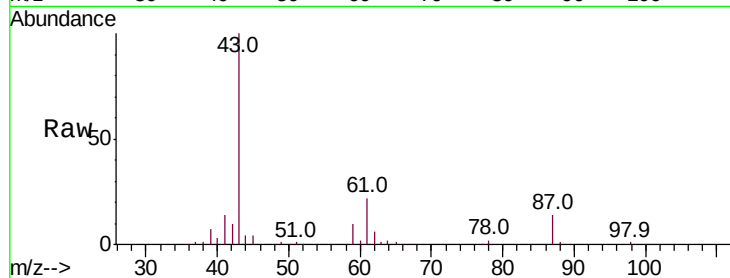
Tot Ion: 43 Resp: 173323

Ion Ratio Lower Upper

43 100

61 29.6 23.9 35.9

87 13.8 11.0 16.6

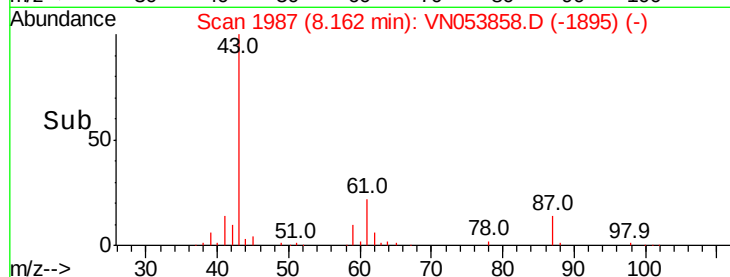


Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1968) (-)

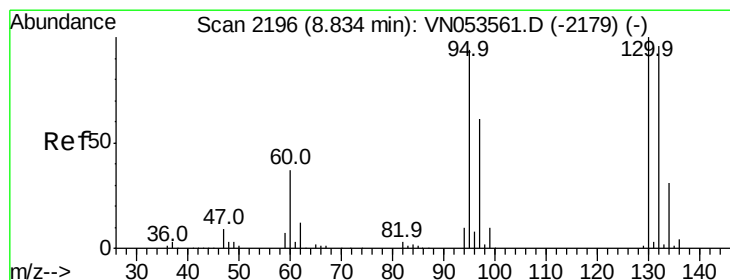
Ion 61.00 (60.70 to 61.70): VN053561.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN053561.D (-1968) (-)

8.16



Time-->



#44

Trichloroethene

Concen: 18.921 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053858.D

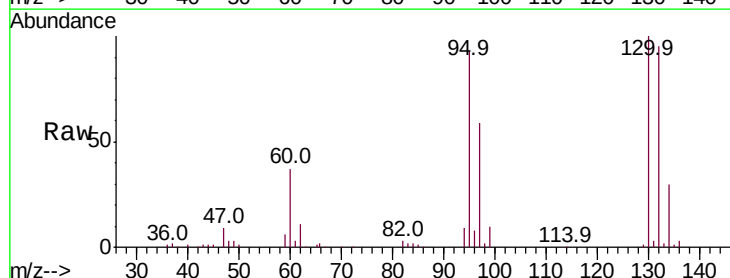
Acq: 19 Feb 2019 10:14

Tgt Ion:130 Resp: 147245

Ion Ratio Lower Upper

130 100

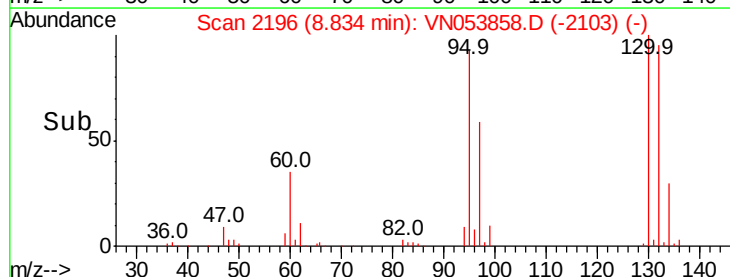
95 93.1 0.0 191.4



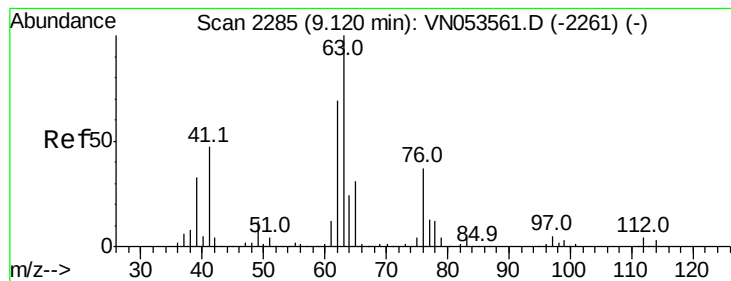
Abundance Ion 129.80 (129.50 to 130.50): VN053561.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053561.D (-2179) (-)

8.83



Time-->



#45

1,2-Dichloropropane

Concen: 20.519 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

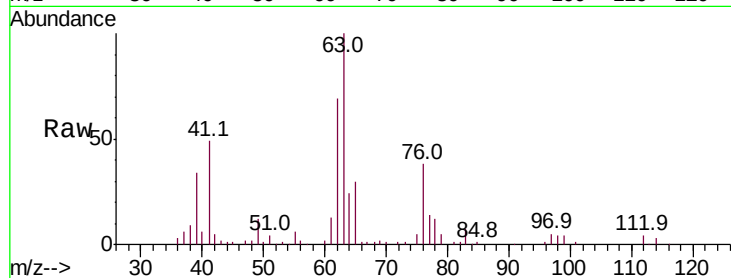
VN0219WBS01

Tot Ion: 63 Resp: 143455

Ion Ratio Lower Upper

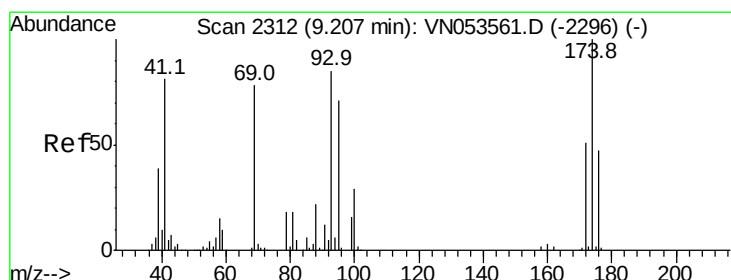
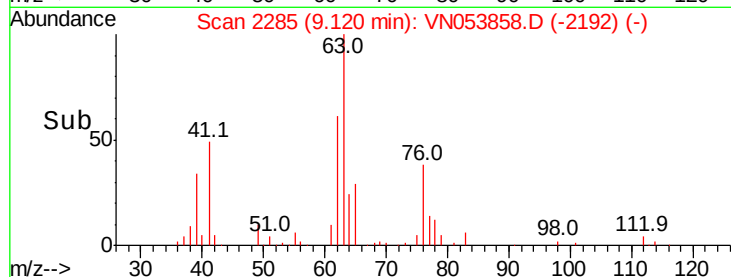
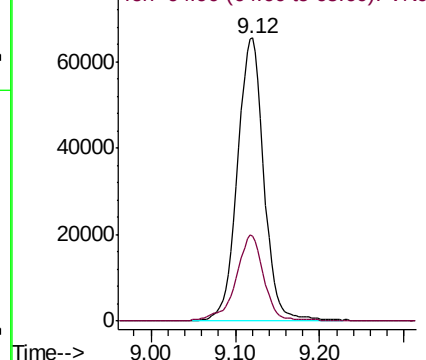
63 100

65 29.8 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.046 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

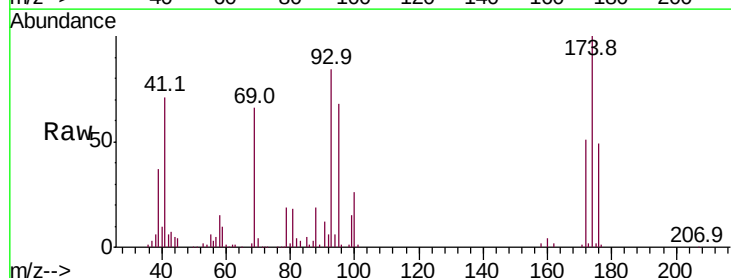
Tgt Ion: 93 Resp: 84487

Ion Ratio Lower Upper

93 100

95 81.0 67.3 100.9

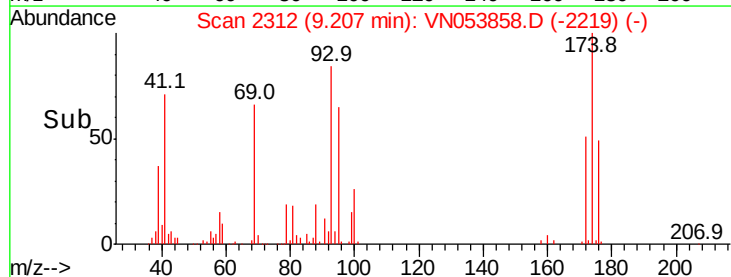
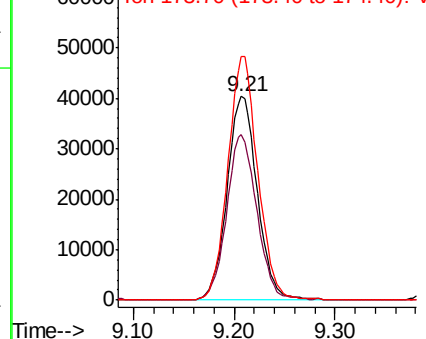
174 117.7 91.0 136.4

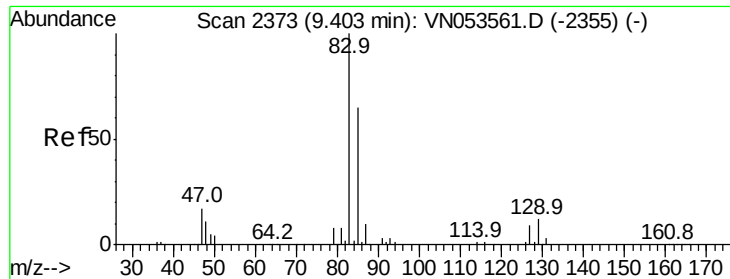


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.512 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

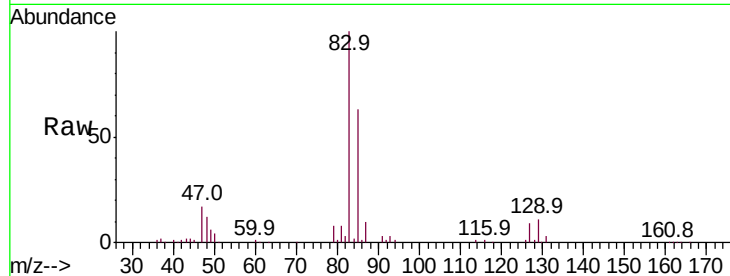
Tot Ion: 83 Resp: 179743

Ion Ratio Lower Upper

83 100

85 62.8 51.0 76.6

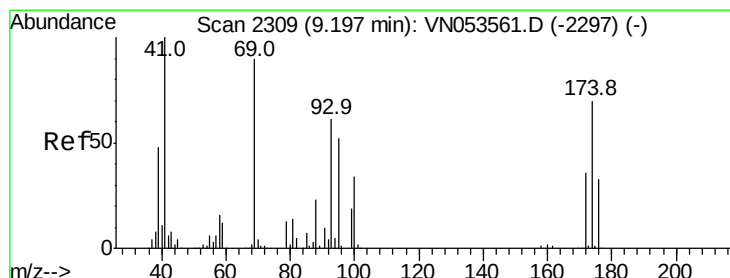
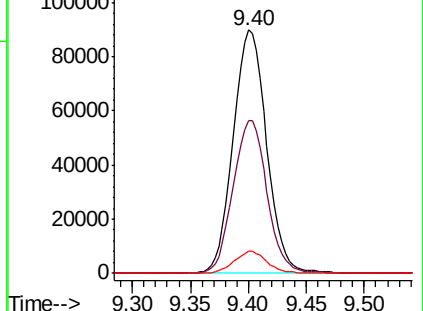
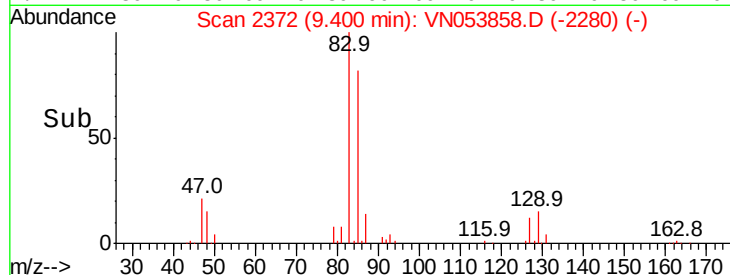
127 9.0 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 17.991 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

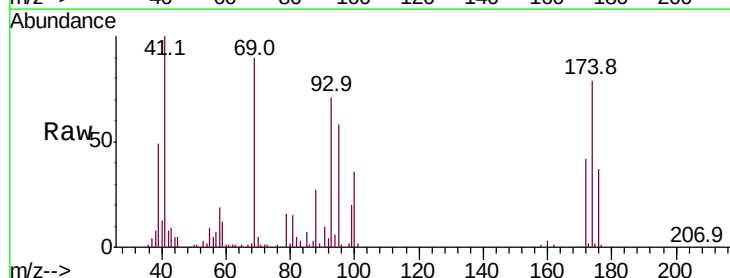
Tgt Ion: 41 Resp: 82108

Ion Ratio Lower Upper

41 100

69 100.7 73.8 110.6

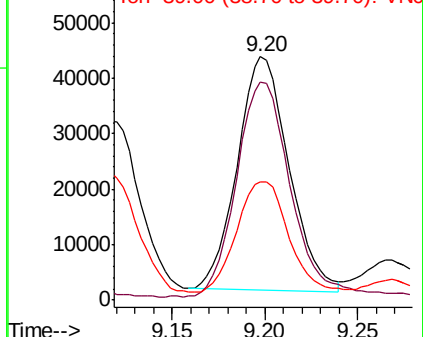
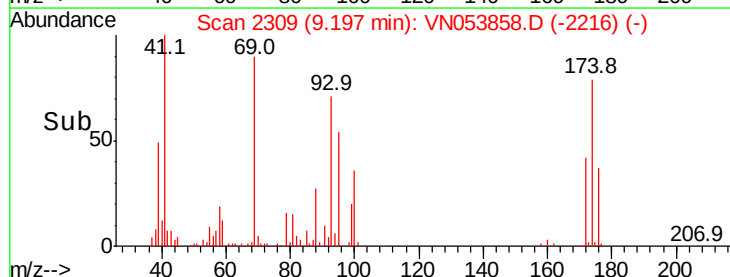
39 54.3 40.0 60.0

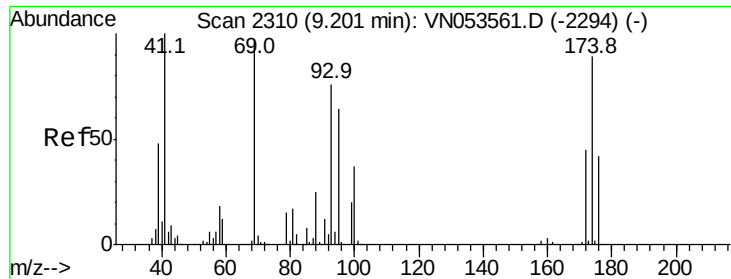


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 416.624 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

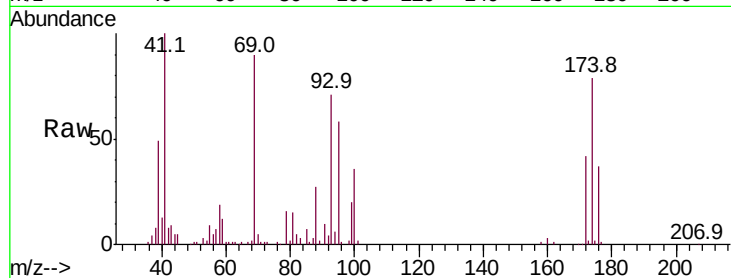
Tot Ion: 88 Resp: 25981

Ion Ratio Lower Upper

88 100

43 27.7 27.8 41.6#

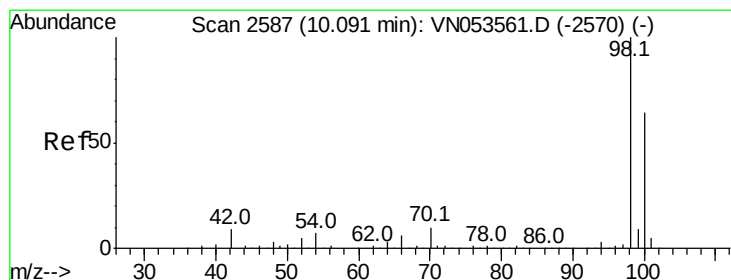
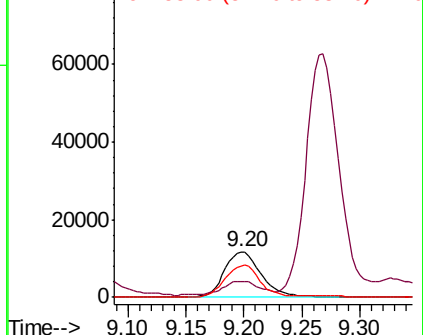
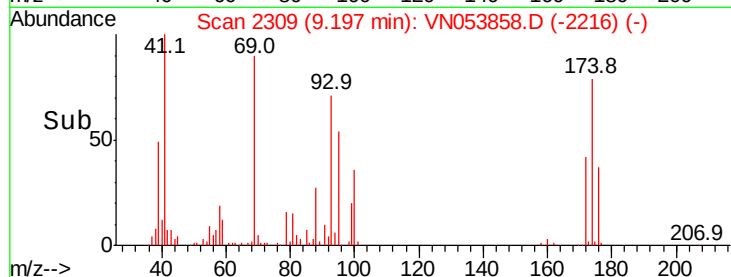
58 67.1 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.348 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053858.D

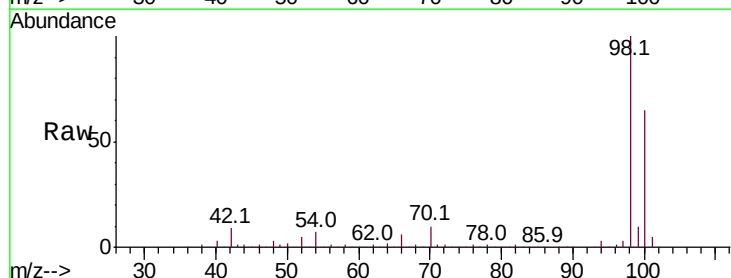
Acq: 19 Feb 2019 10:14

Tgt Ion: 98 Resp: 1151285

Ion Ratio Lower Upper

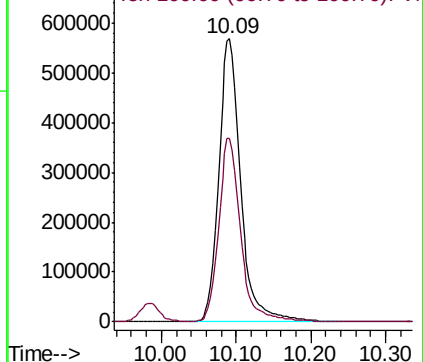
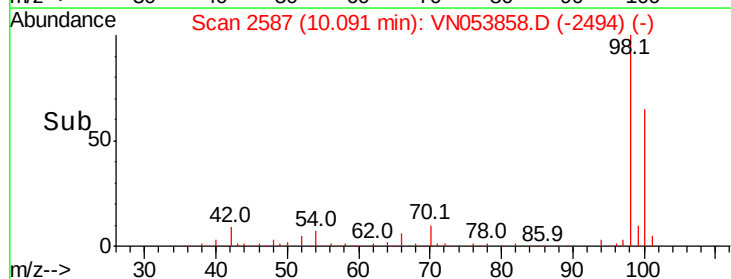
98 100

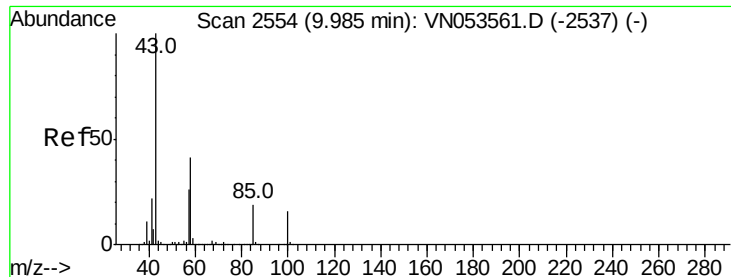
100 64.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 98.042 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

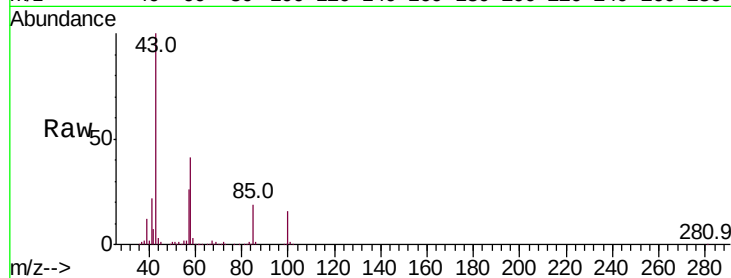
VN0219WBS01

Tot Ion: 43 Resp: 460618

Ion Ratio Lower Upper

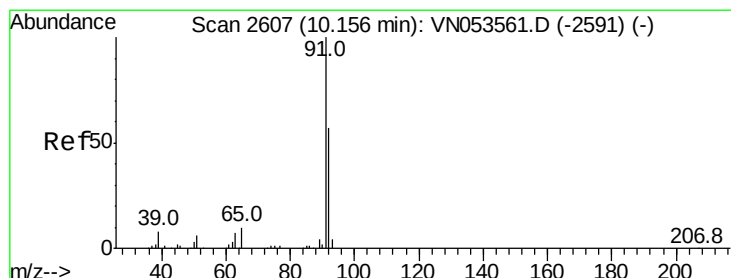
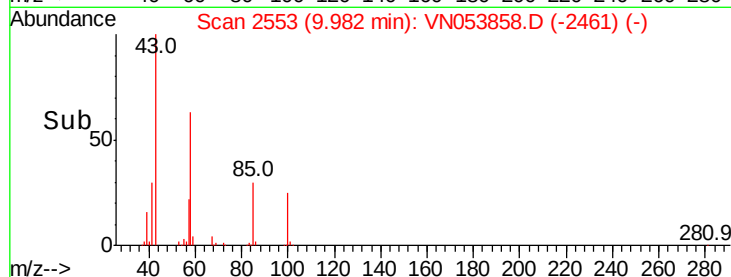
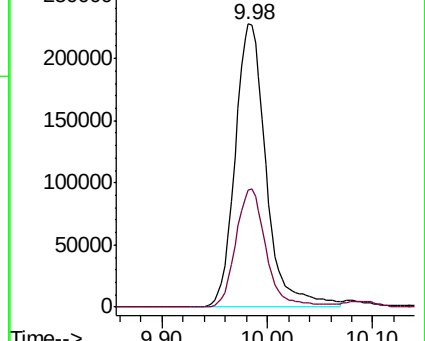
43 100

58 40.8 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.453 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053858.D

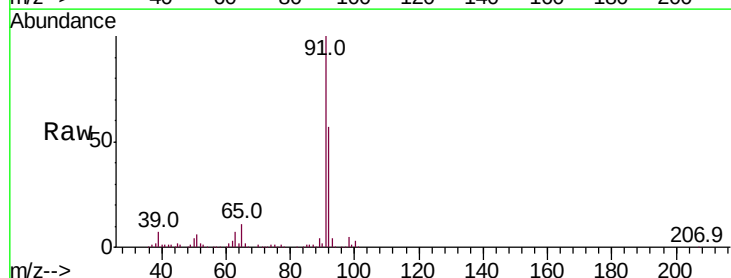
Acq: 19 Feb 2019 10:14

Tgt Ion: 92 Resp: 315578

Ion Ratio Lower Upper

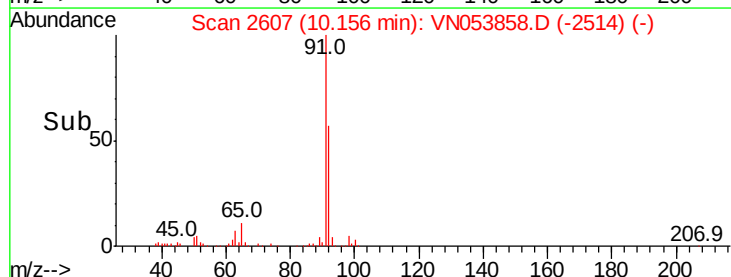
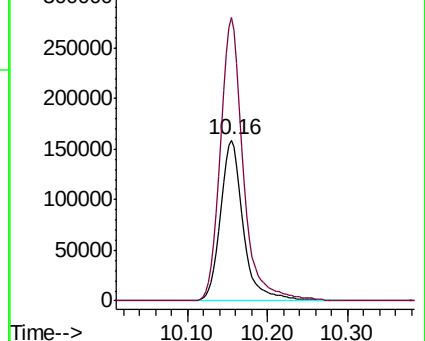
92 100

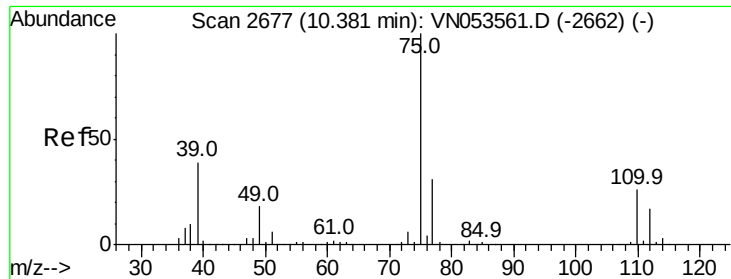
91 176.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.640 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

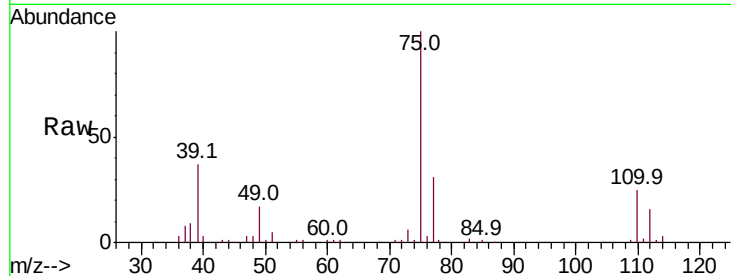
VN0219WBS01

Tot Ion: 75 Resp: 172333

Ion Ratio Lower Upper

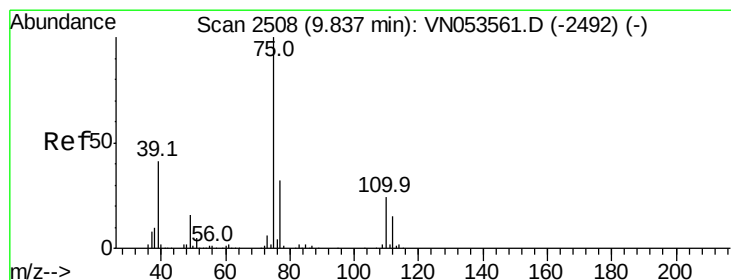
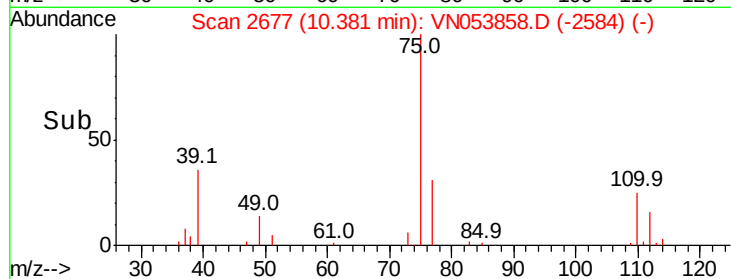
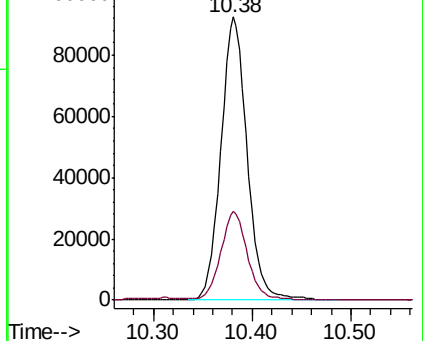
75 100

77 31.1 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.415 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

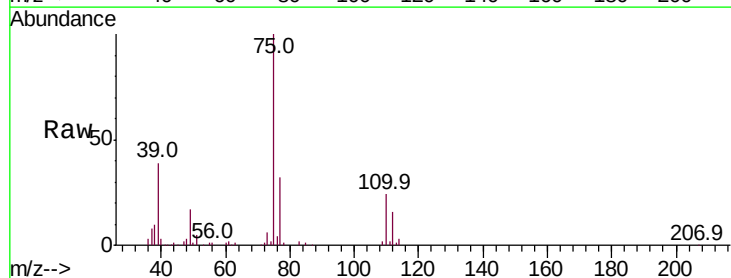
Tgt Ion: 75 Resp: 201873

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6

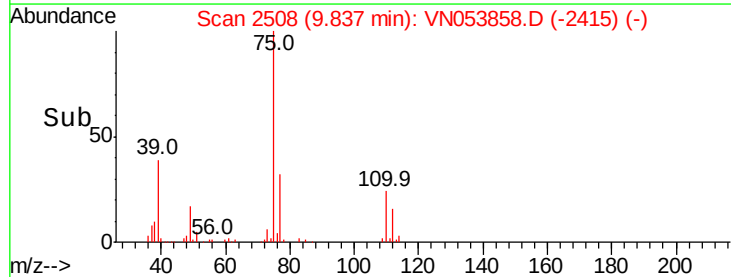
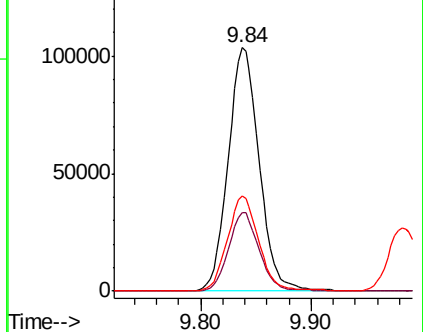
39 39.2 33.4 50.0

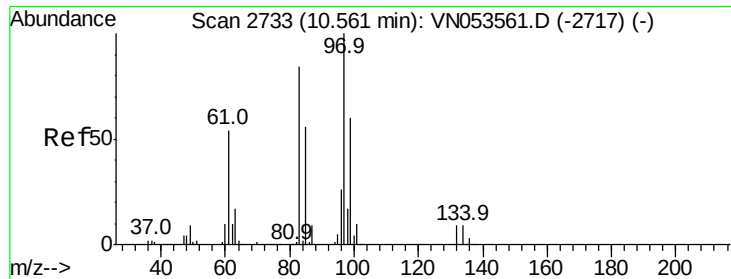


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.807 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

VN0219WBS01

Tot Ion: 97 Resp: 121633

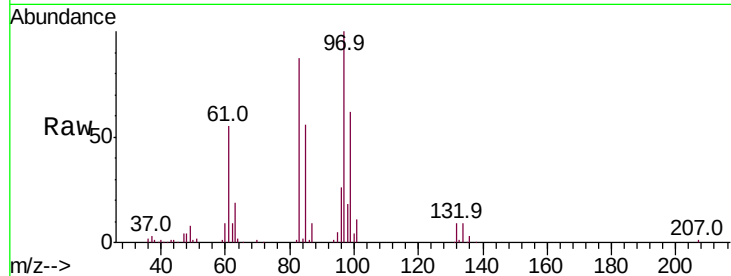
Ion Ratio Lower Upper

97 100

83 86.6 70.1 105.1

85 56.0 45.4 68.0

99 62.5 49.8 74.8

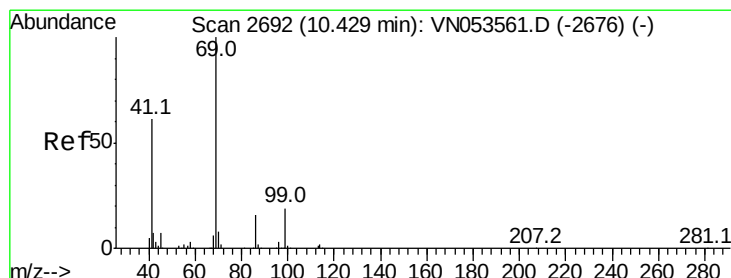
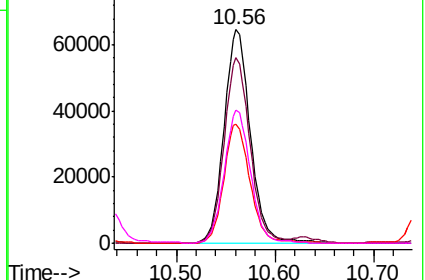
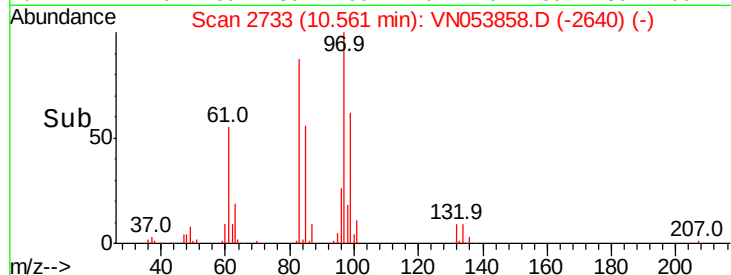


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.194 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

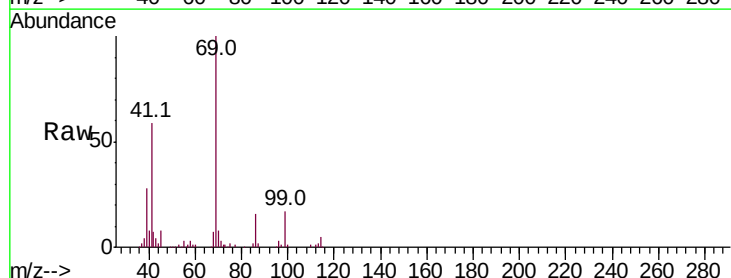
Tgt Ion: 69 Resp: 132735

Ion Ratio Lower Upper

69 100

41 59.5 49.4 74.0

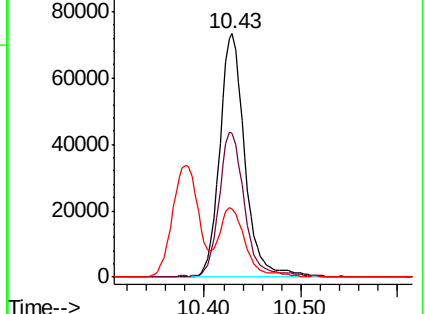
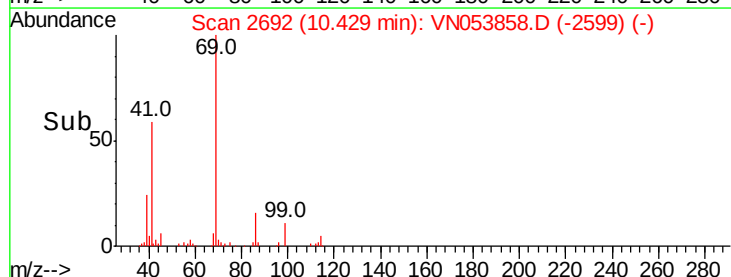
39 29.4 23.3 34.9

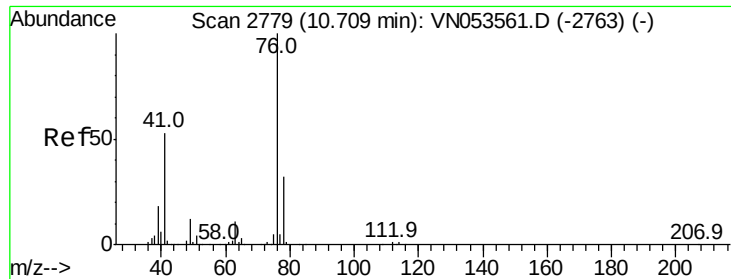


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.836 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

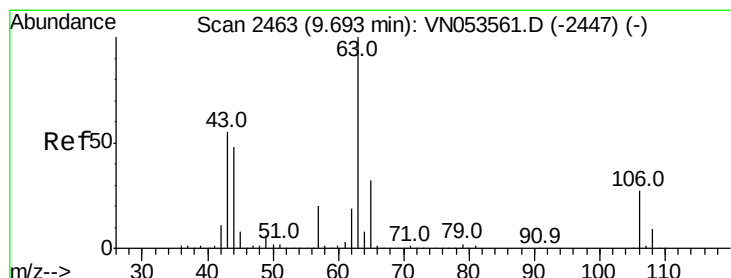
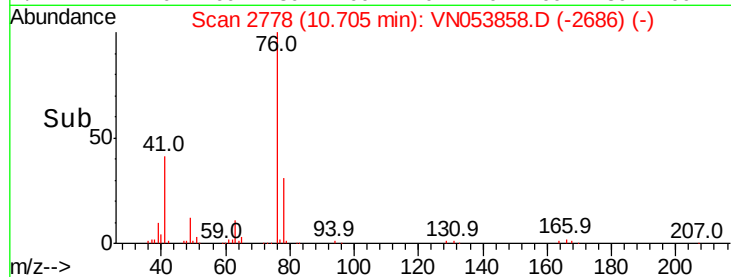
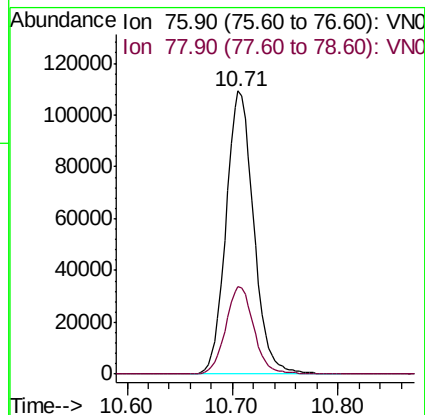
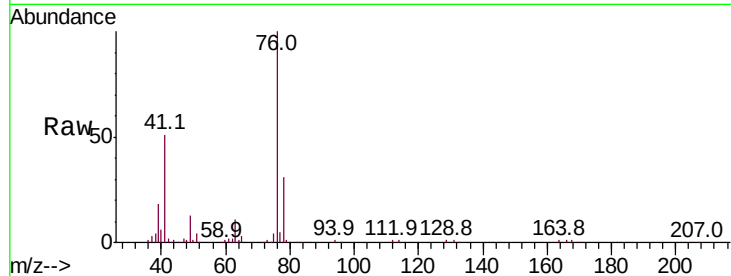
VN0219WBS01

Tot Ion: 76 Resp: 198177

Ion Ratio Lower Upper

76 100

78 31.5 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 75.166 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053858.D

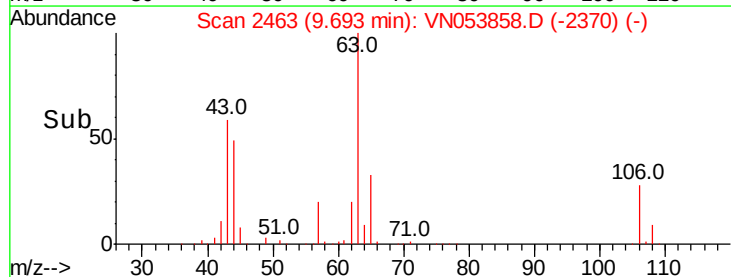
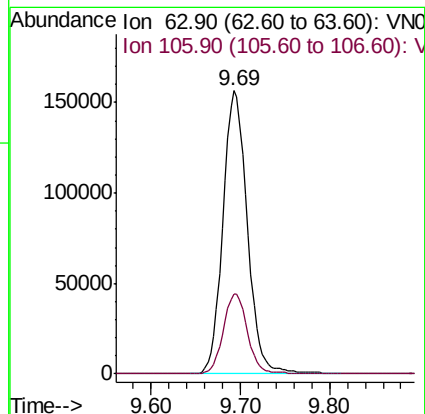
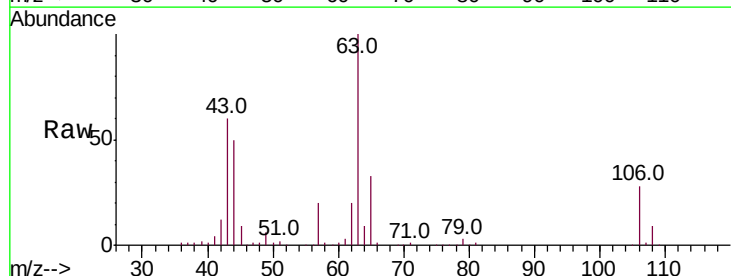
Acq: 19 Feb 2019 10:14

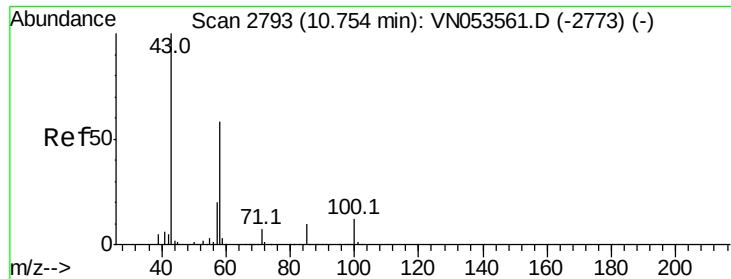
Tgt Ion: 63 Resp: 297560

Ion Ratio Lower Upper

63 100

106 28.0 21.5 32.3

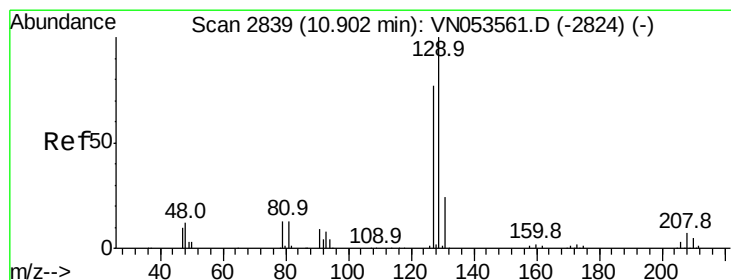
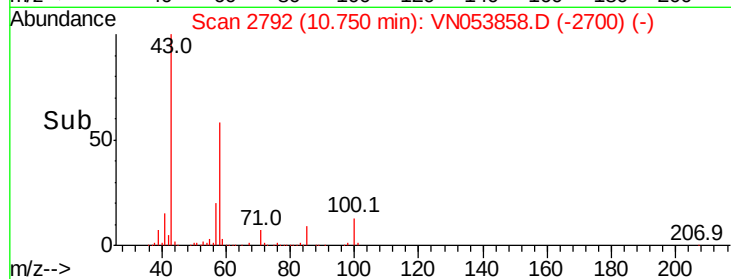
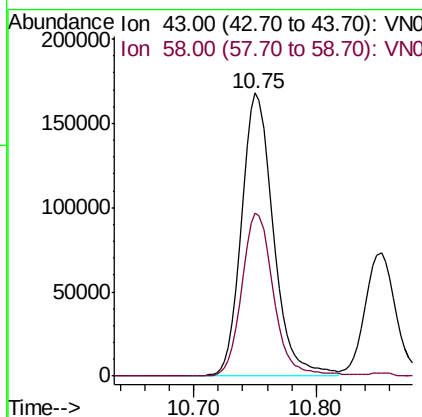
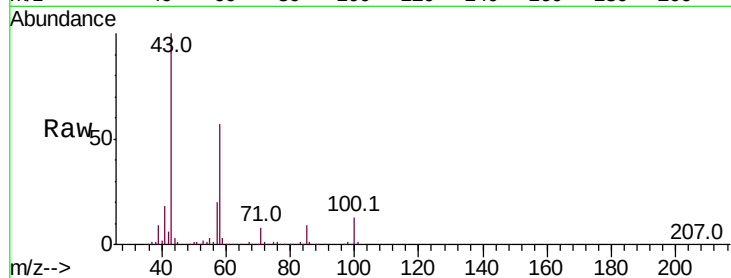




#59
2-Hexanone
Concen: 94.092 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

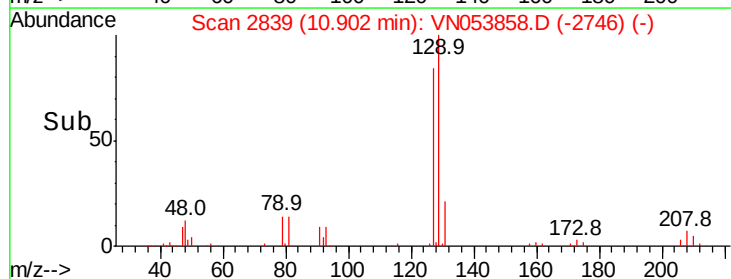
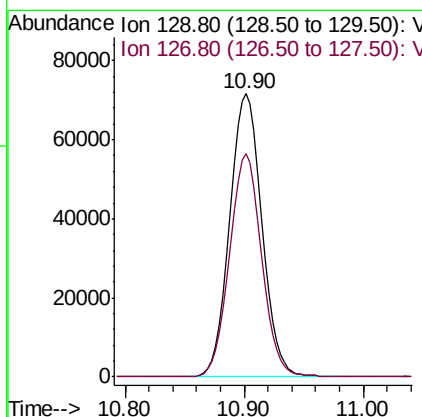
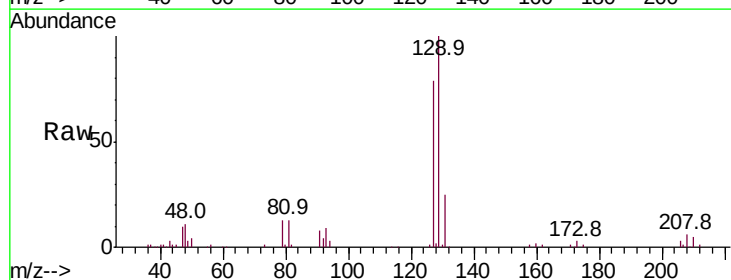
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

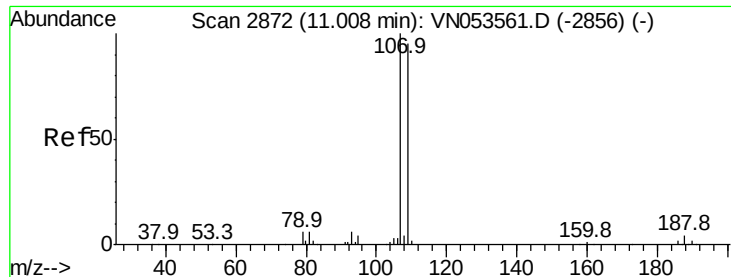
Tot Ion: 43 Resp: 300100
Ion Ratio Lower Upper
43 100
58 57.8 28.6 85.8



#60
Dibromochloromethane
Concen: 20.392 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

Tgt Ion: 129 Resp: 134430
Ion Ratio Lower Upper
129 100
127 78.5 38.6 115.8

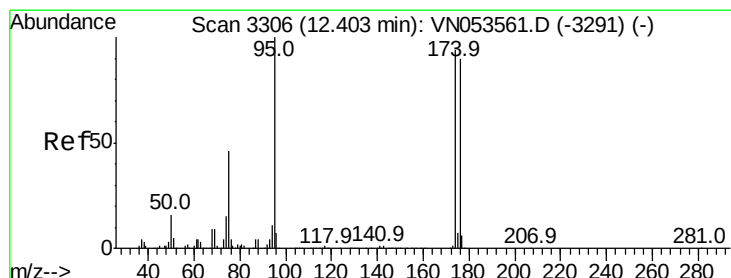
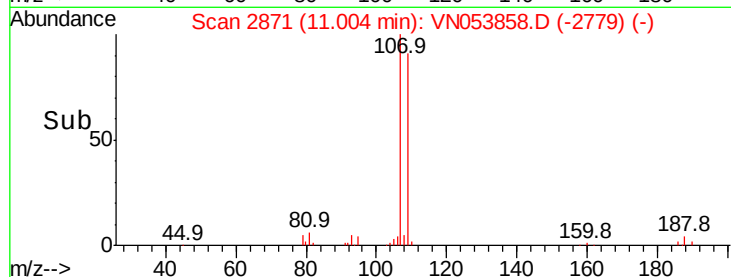
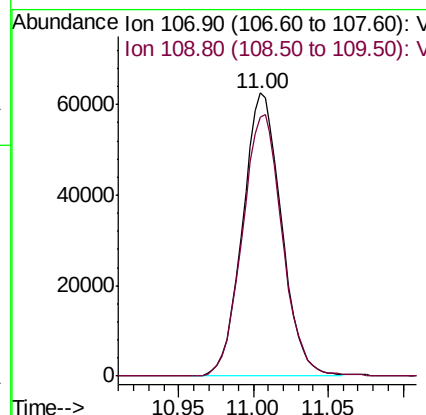
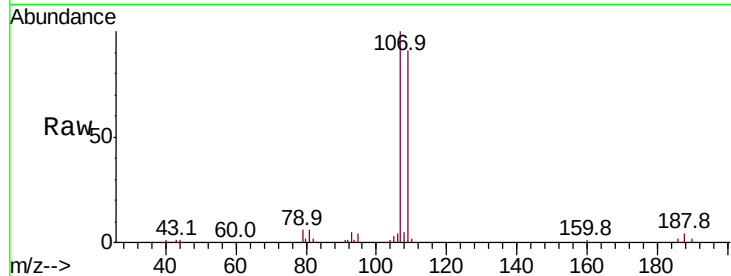




#61
 1,2-Dibromoethane
 Concen: 19.534 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053858.D
 Acq: 19 Feb 2019 10:14

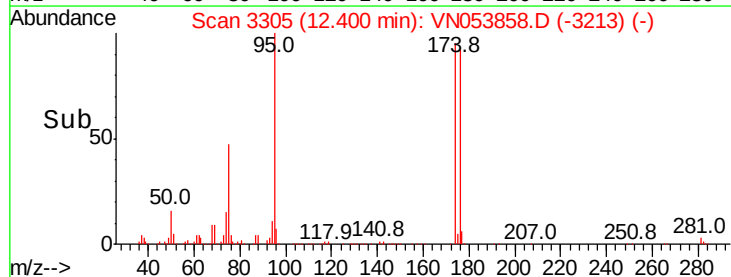
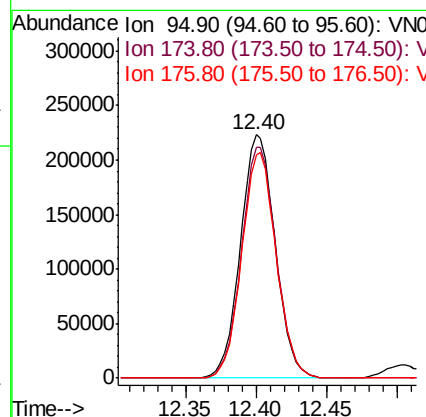
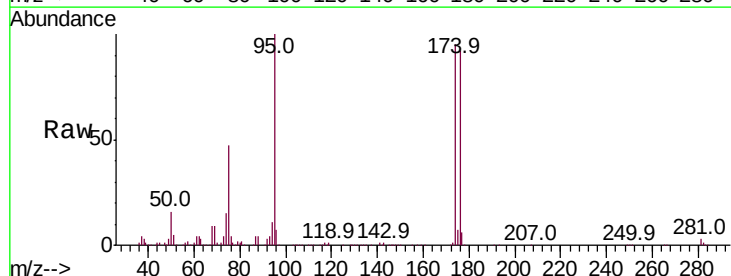
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

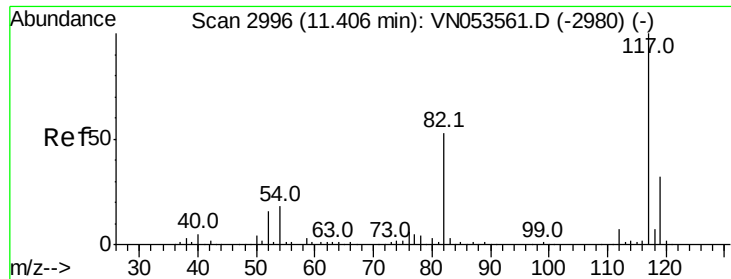
Tot Ion:107 Resp: 113025
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 49.437 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053858.D
 Acq: 19 Feb 2019 10:14

Tgt Ion: 95 Resp: 384666
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 183.2
 176 91.9 0.0 177.4

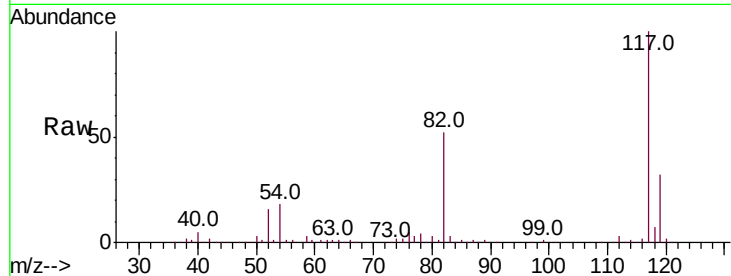




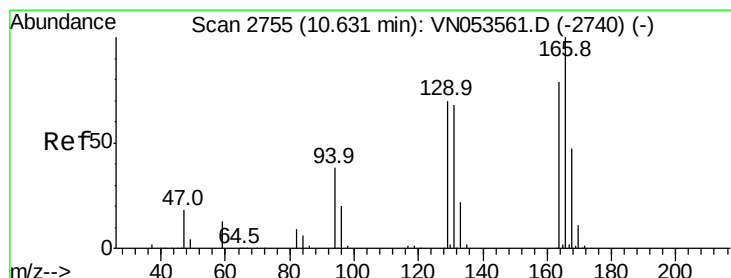
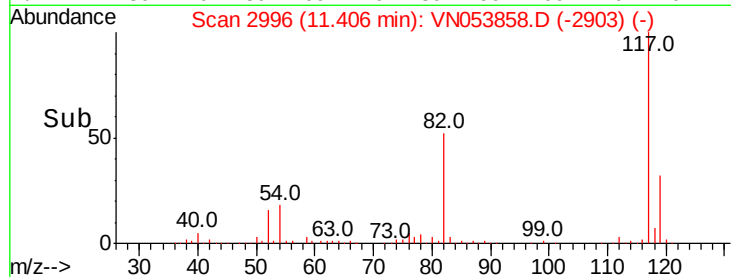
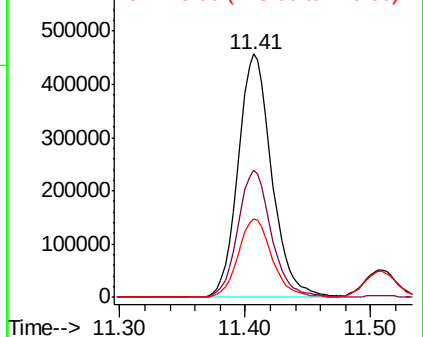
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tot Ion:117 Resp: 851742
Ion Ratio Lower Upper
117 100
82 52.1 42.9 64.3
119 32.3 26.0 39.0

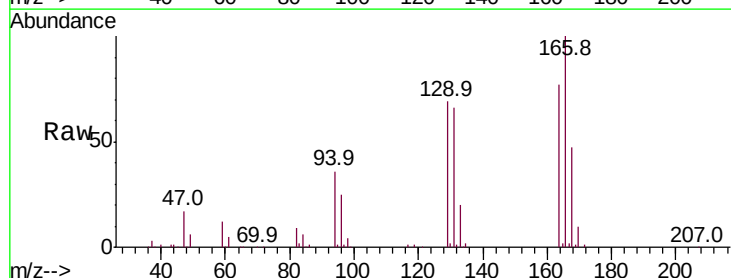


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

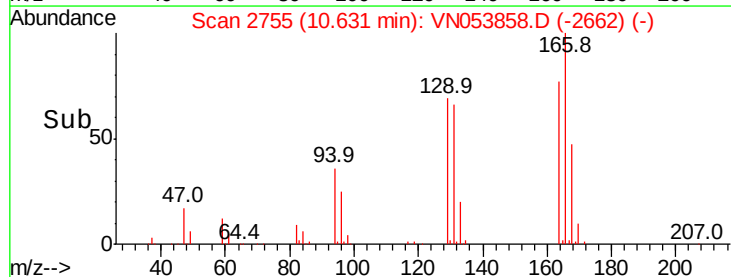
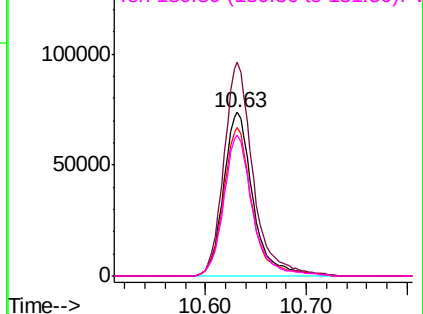


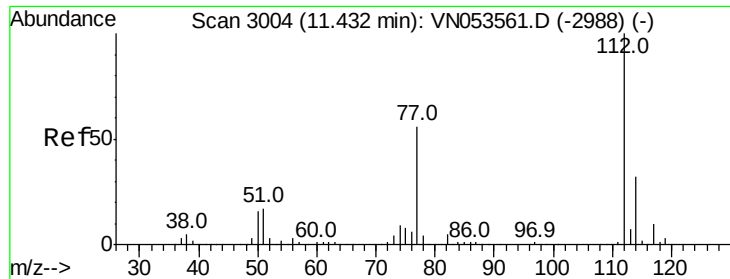
#64
Tetrachloroethene
Concen: 20.543 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

Tgt Ion:164 Resp: 149993
Ion Ratio Lower Upper
164 100
166 130.6 102.2 153.4
129 90.8 72.6 109.0
131 86.3 69.5 104.3



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

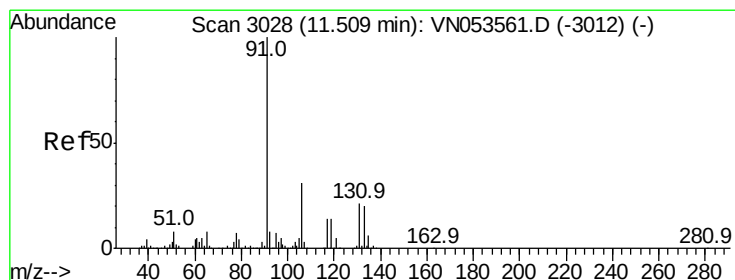
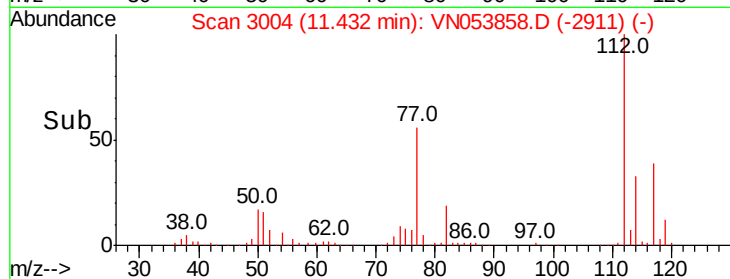
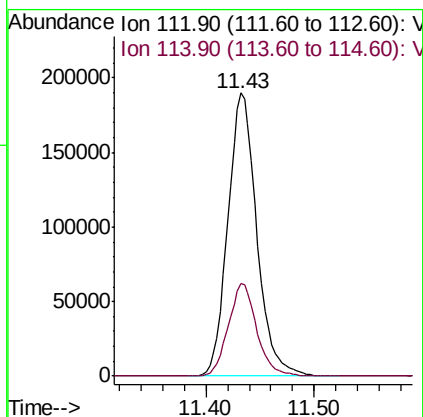
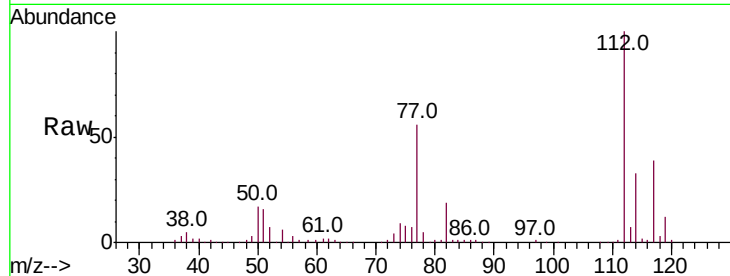




#65
Chlorobenzene
Concen: 19.591 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

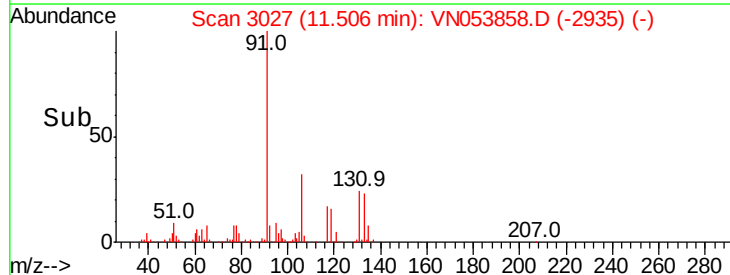
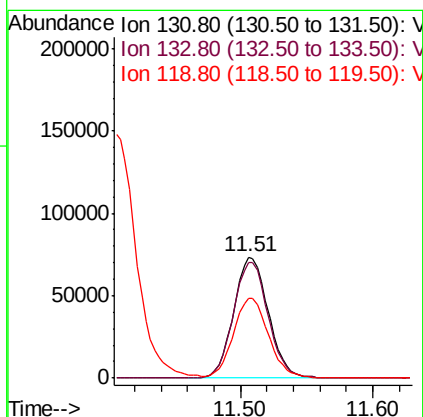
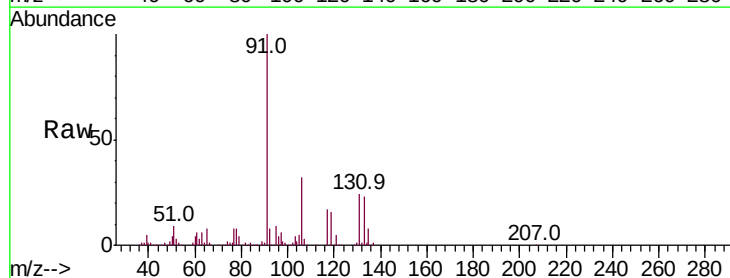
Instrument :
MSVOA_N
ClientSampled :
VN0219WBS01

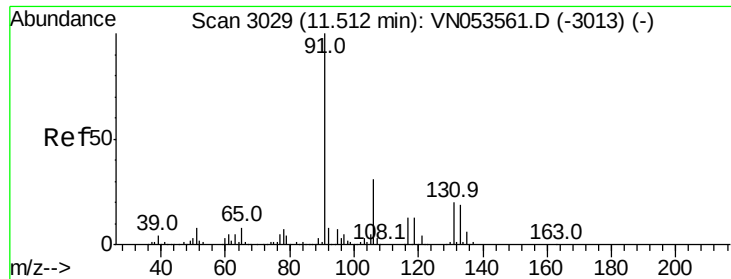
Tot Ion:112 Resp: 354443
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.155 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

Tgt Ion:131 Resp: 133669
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.0
119 67.2 33.5 100.5





#67

Ethyl Benzene

Concen: 19.967 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

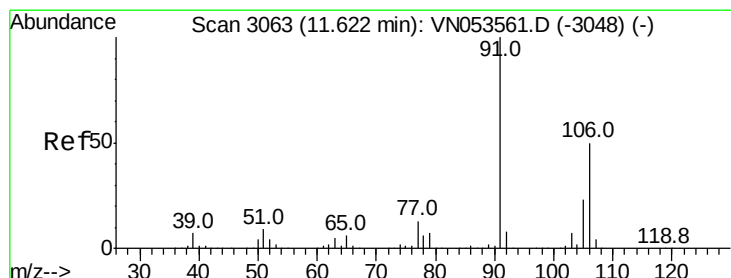
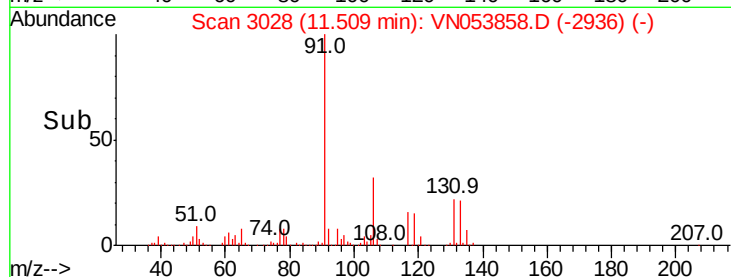
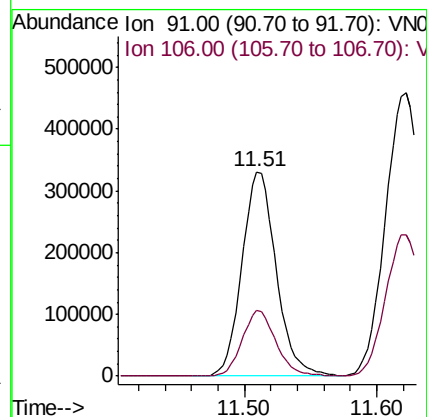
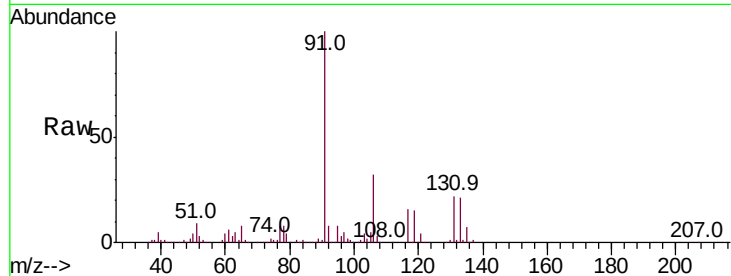
VN0219WBS01

Tot Ion: 91 Resp: 593412

Ion Ratio Lower Upper

91 100

106 31.9 25.0 37.6



#68

m/p-Xylenes

Concen: 40.636 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053858.D

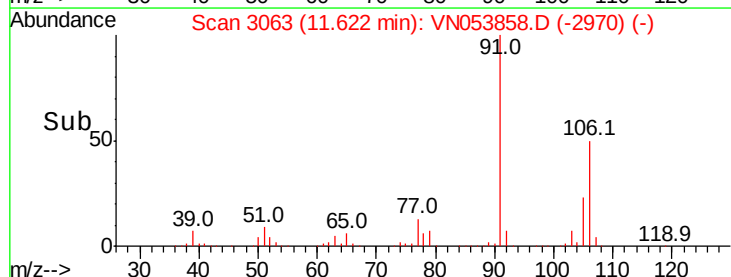
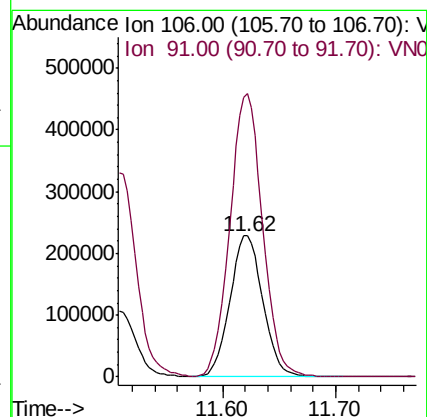
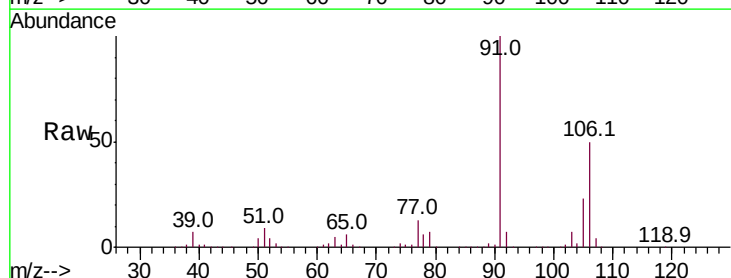
Acq: 19 Feb 2019 10:14

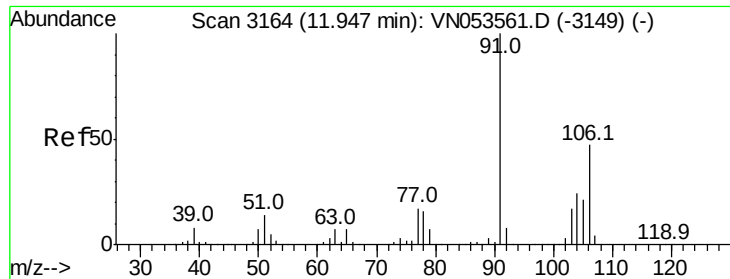
Tgt Ion: 106 Resp: 460932

Ion Ratio Lower Upper

106 100

91 199.3 161.4 242.2

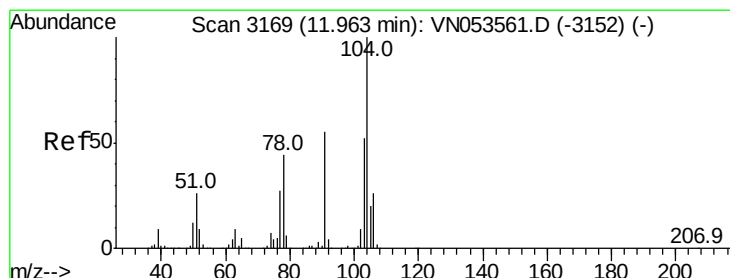
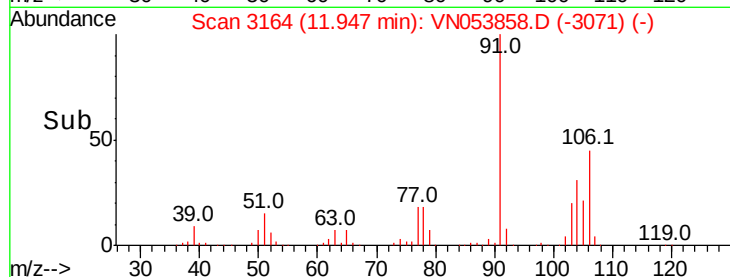
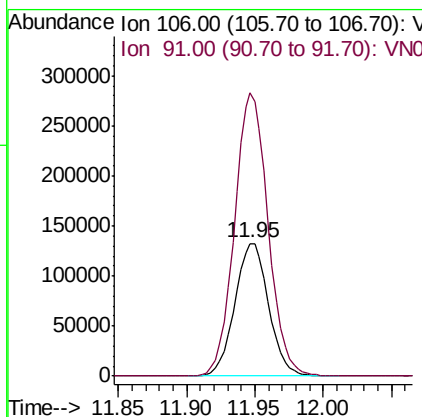
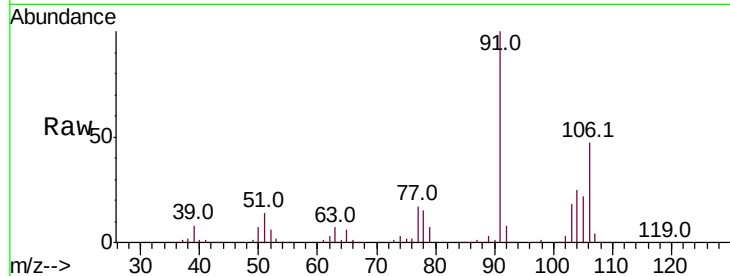




#69
o-Xylene
Concen: 20.734 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

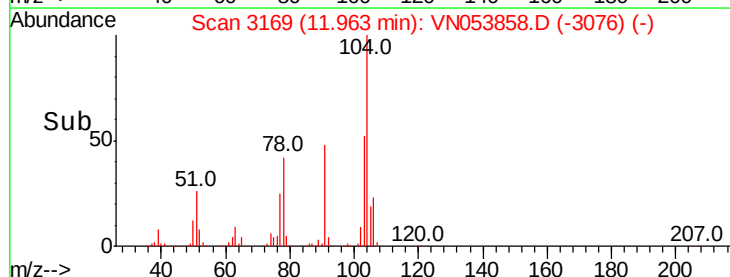
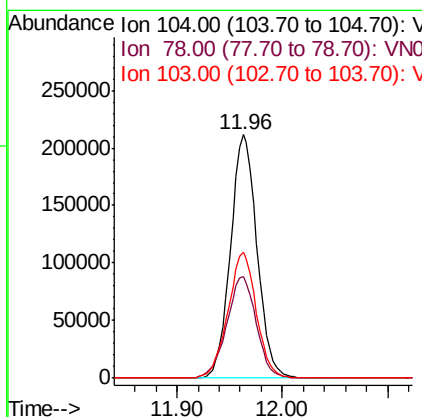
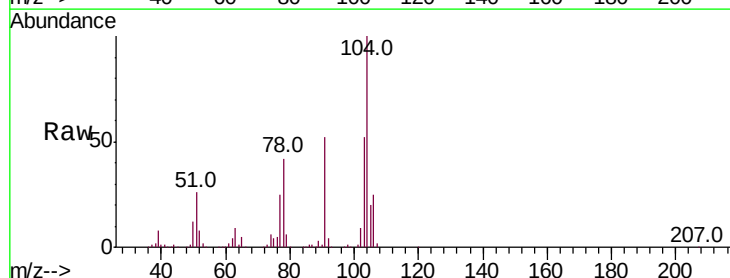
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

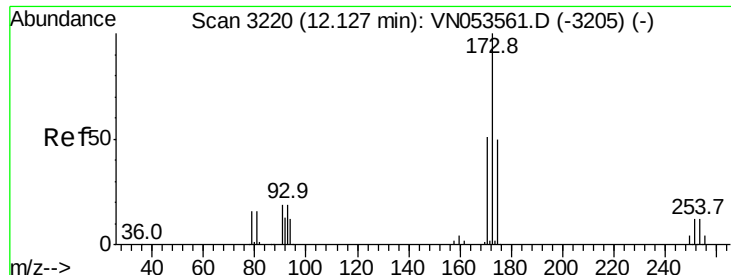
Tot Ion:106 Resp: 227205
Ion Ratio Lower Upper
106 100
91 212.4 106.9 320.8



#70
Styrene
Concen: 20.701 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

Tgt Ion:104 Resp: 367680
Ion Ratio Lower Upper
104 100
78 46.4 38.2 57.2
103 55.4 44.4 66.6

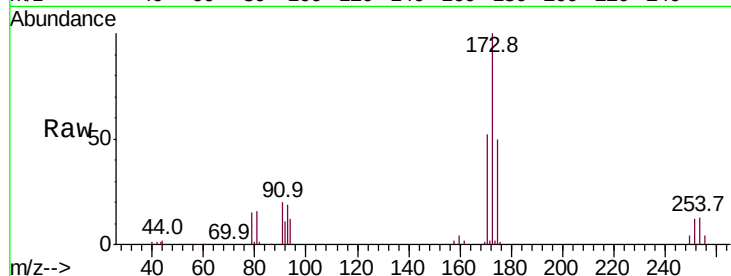




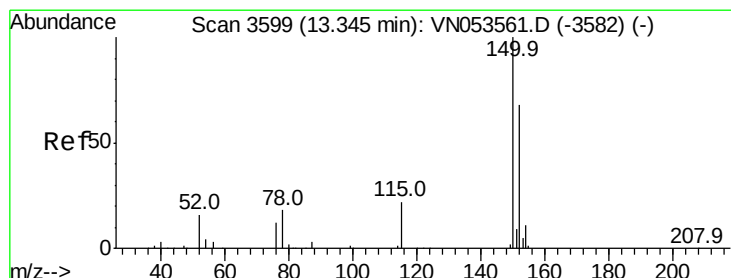
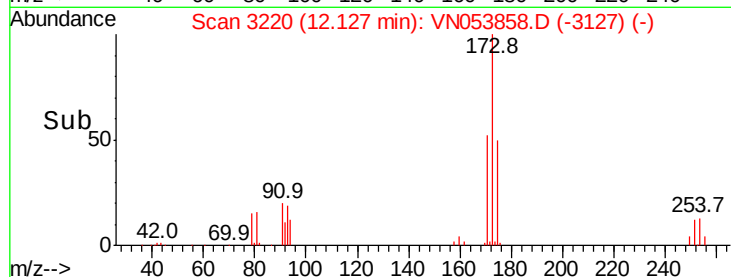
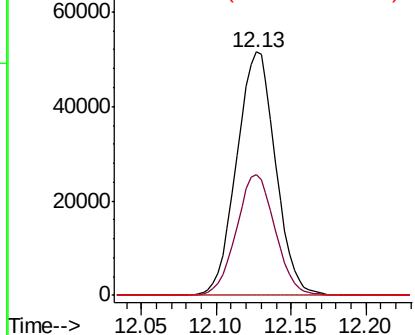
#71
Bromoform
Concen: 21.498 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tot Ion:173 Resp: 93123
Ion Ratio Lower Upper
173 100
175 49.3 24.6 74.0
254 0.0 0.2 0.2#

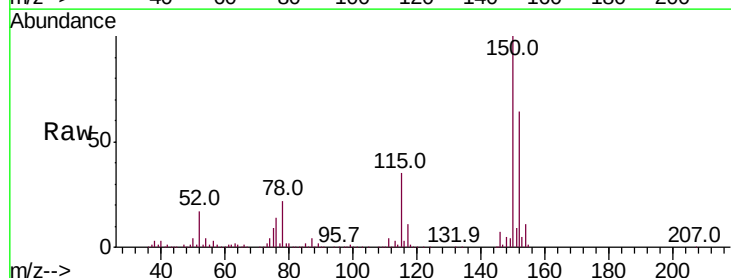


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

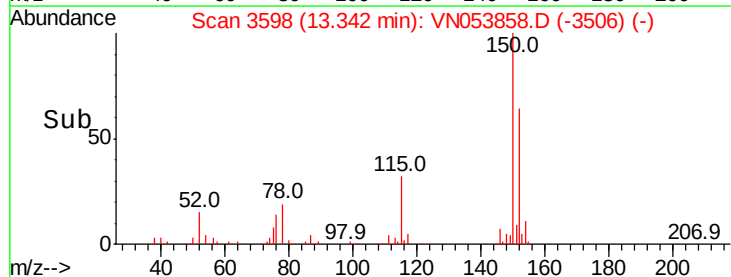
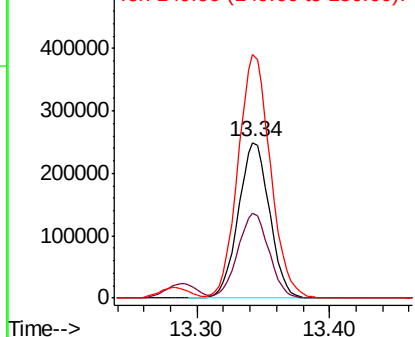


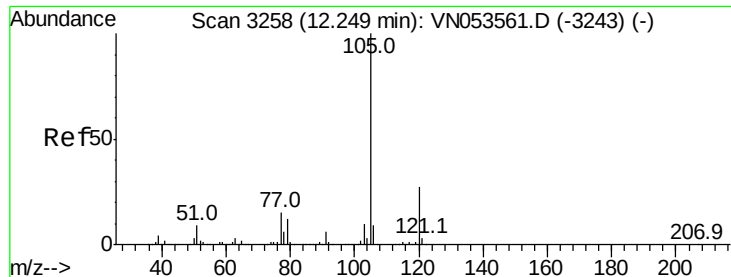
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

Tgt Ion:152 Resp: 405538
Ion Ratio Lower Upper
152 100
115 54.7 27.8 83.4
150 162.8 0.0 349.0



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





#73

Isopropylbenzene

Concen: 21.102 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

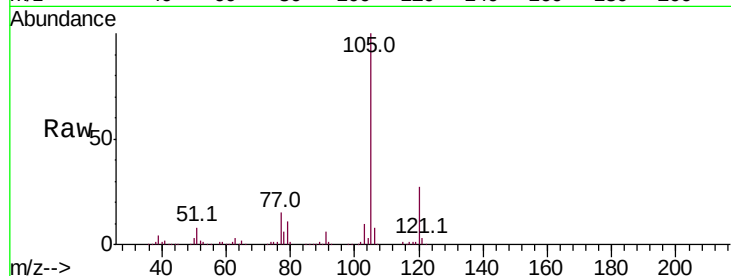
VN0219WBS01

Tot Ion:105 Resp: 601593

Ion Ratio Lower Upper

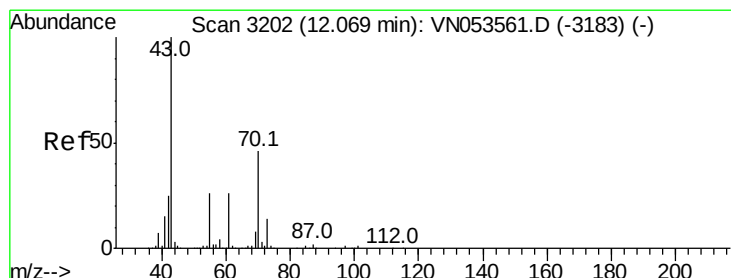
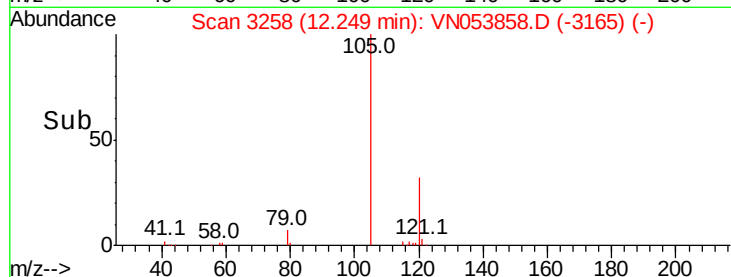
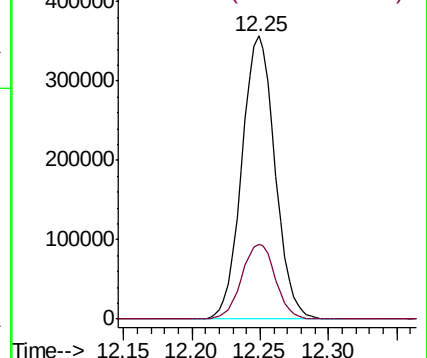
105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.837 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Tgt Ion: 43 Resp: 129135

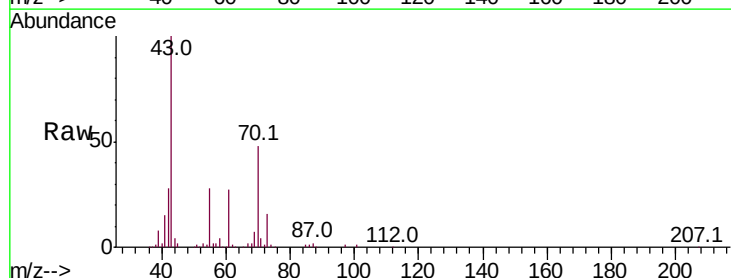
Ion Ratio Lower Upper

43 100

70 47.1 35.4 53.2

55 27.6 20.9 31.3

61 26.1 20.5 30.7

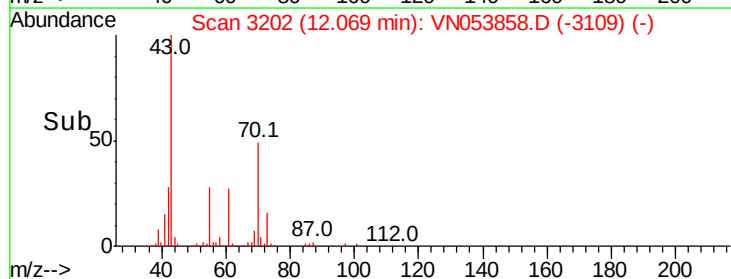
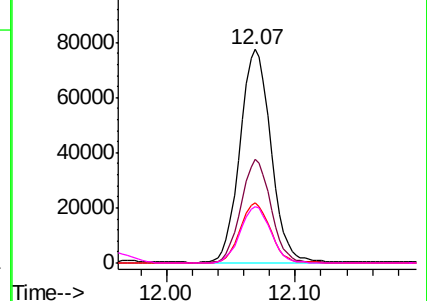


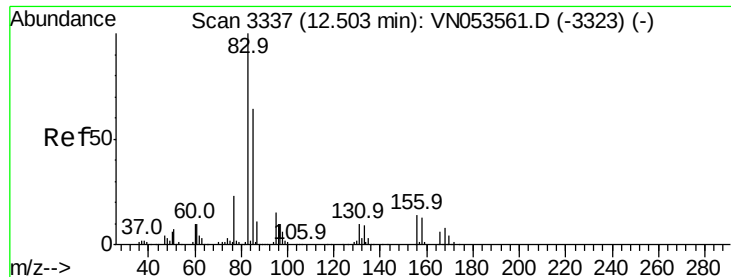
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.777 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

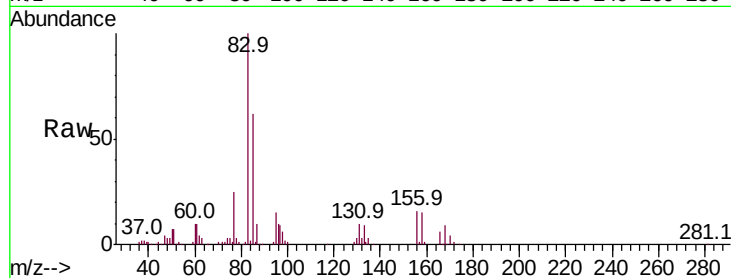
Tot Ion: 83 Resp: 134933

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.8

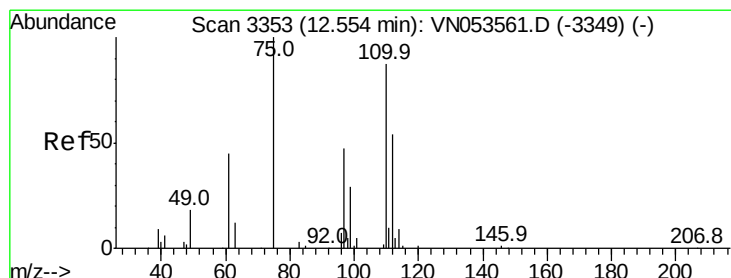
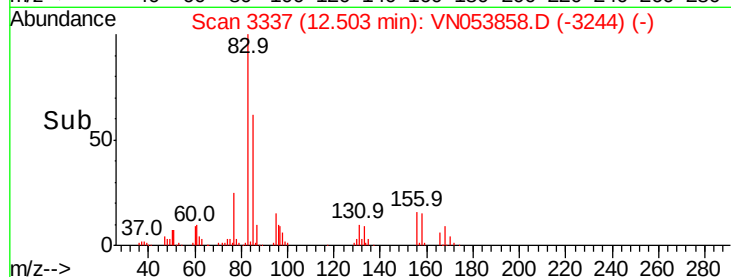
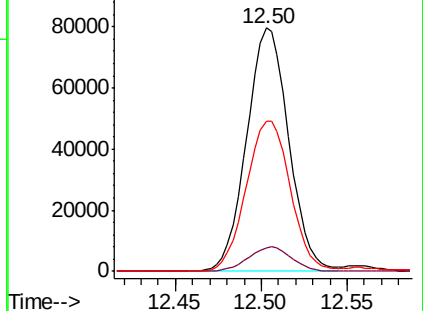
85 64.7 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053561.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN053561.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN053561.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 31.476 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053858.D

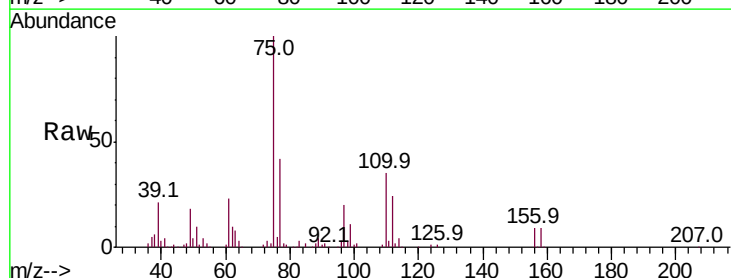
Acq: 19 Feb 2019 10:14

Tgt Ion: 75 Resp: 163953

Ion Ratio Lower Upper

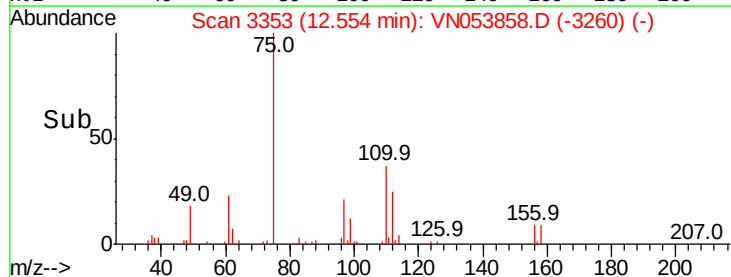
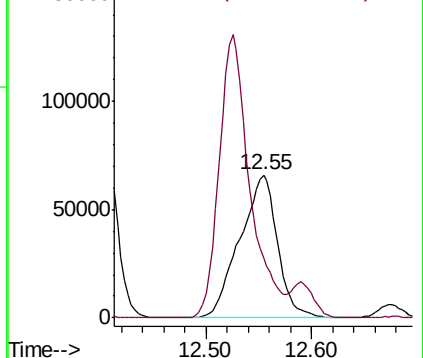
75 100

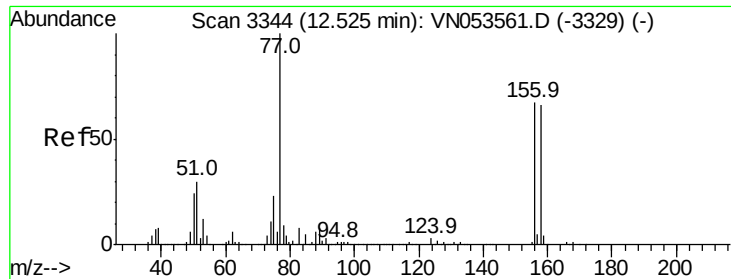
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053561.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN053561.D (-3349) (-)





#77

Bromobenzene

Concen: 20.616 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

VN0219WBS01

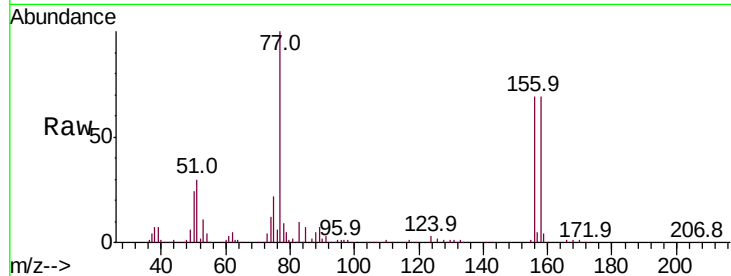
Tot Ion:156 Resp: 158399

Ion Ratio Lower Upper

156 100

77 167.0 87.9 263.8

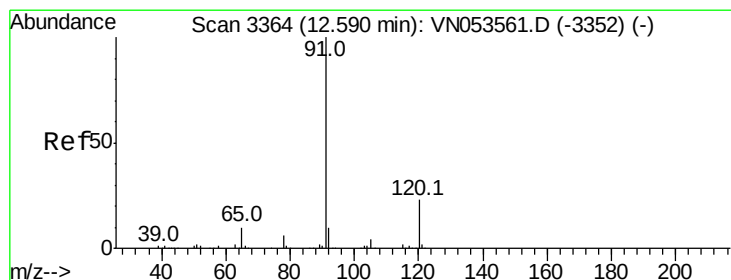
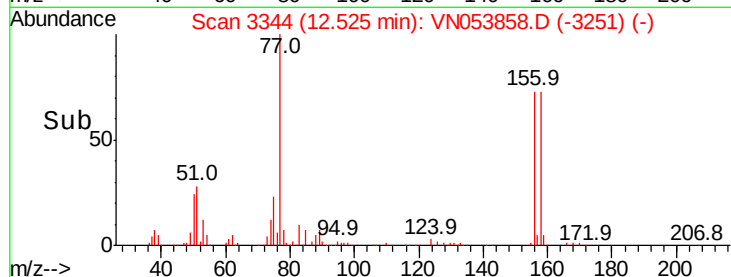
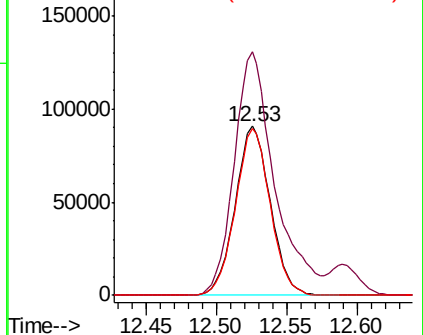
158 97.4 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.851 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053858.D

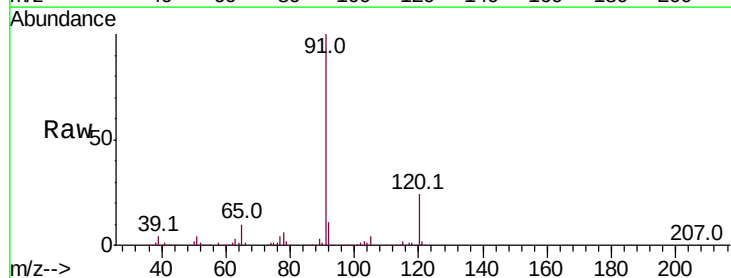
Acq: 19 Feb 2019 10:14

Tgt Ion: 91 Resp: 687187

Ion Ratio Lower Upper

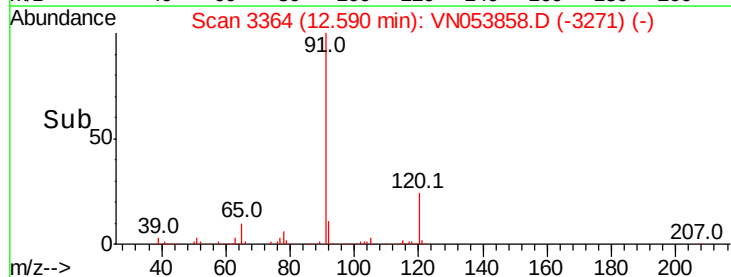
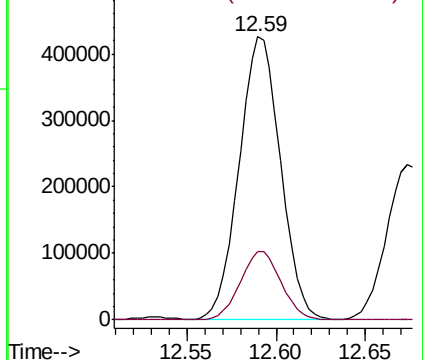
91 100

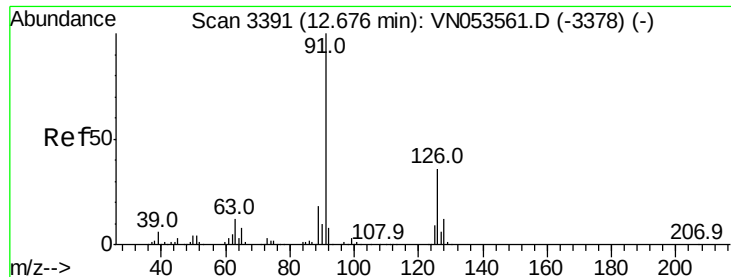
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.656 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

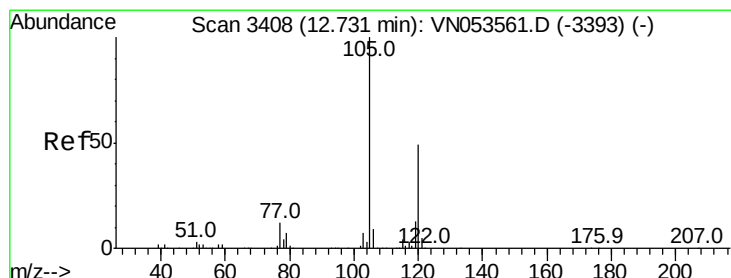
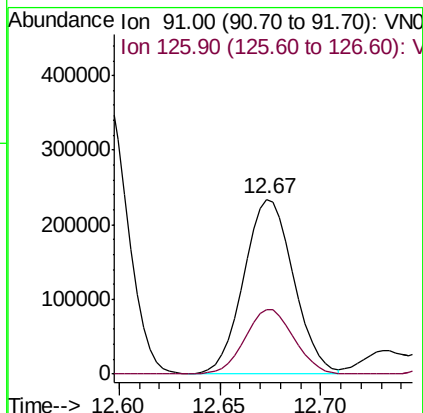
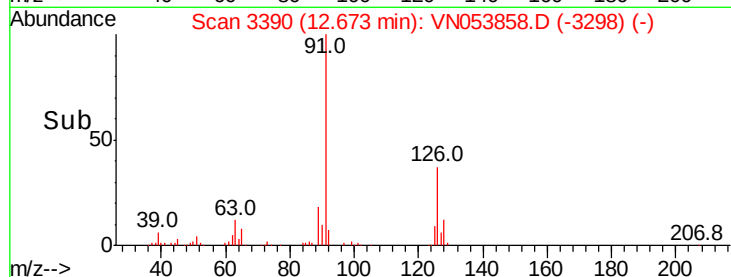
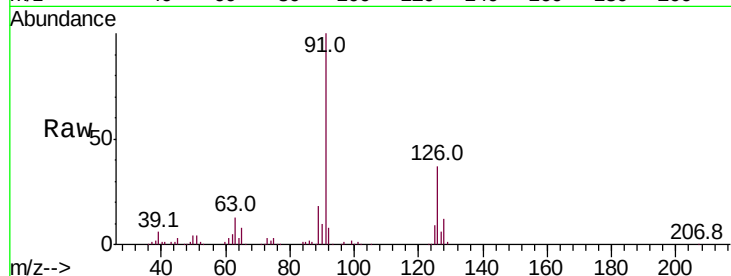
VN0219WBS01

Tot Ion: 91 Resp: 403866

Ion Ratio Lower Upper

91 100

126 36.7 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 21.498 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053858.D

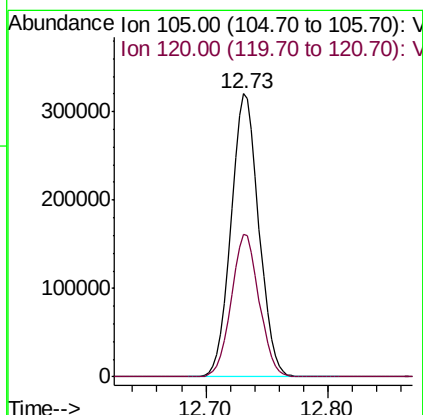
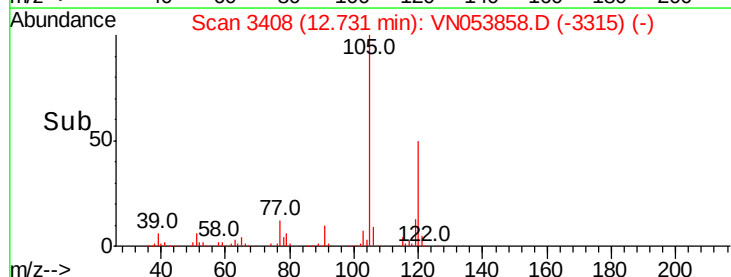
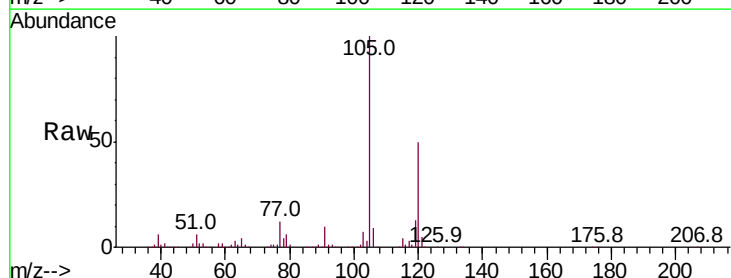
Acq: 19 Feb 2019 10:14

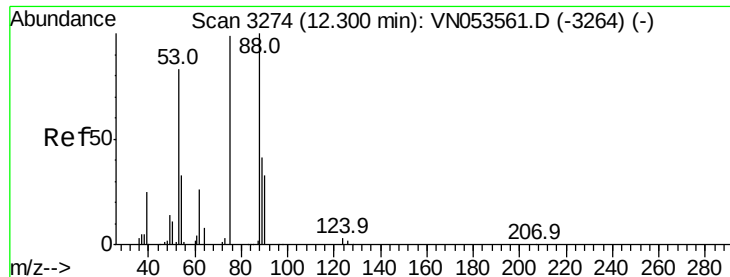
Tgt Ion:105 Resp: 508224

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.550 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

VN0219WBS01

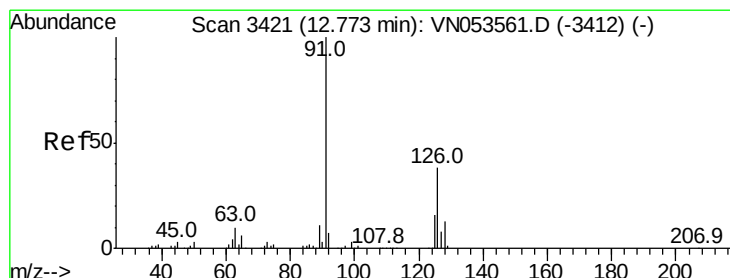
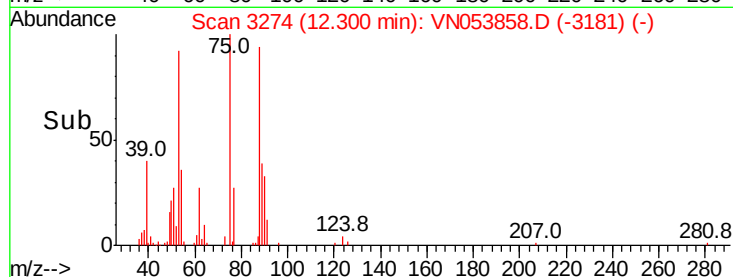
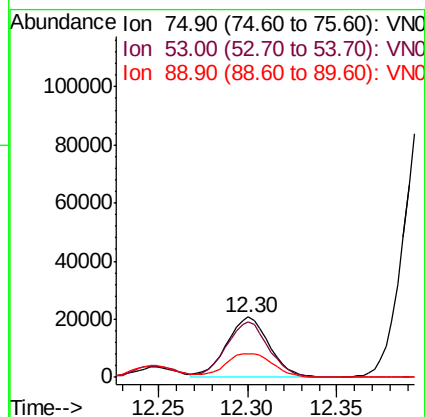
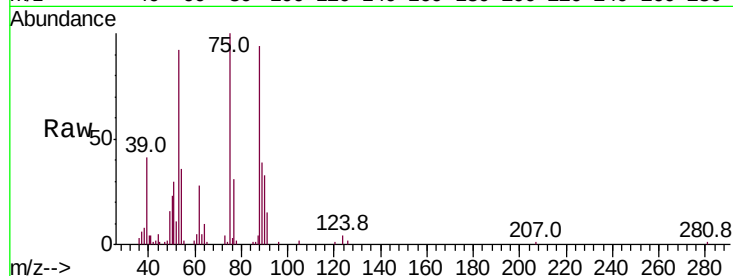
Tot Ion: 75 Resp: 34362

Ion Ratio Lower Upper

75 100

53 92.1 69.8 104.6

89 44.1 35.6 53.4



#82

4-Chlorotoluene

Concen: 20.244 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053858.D

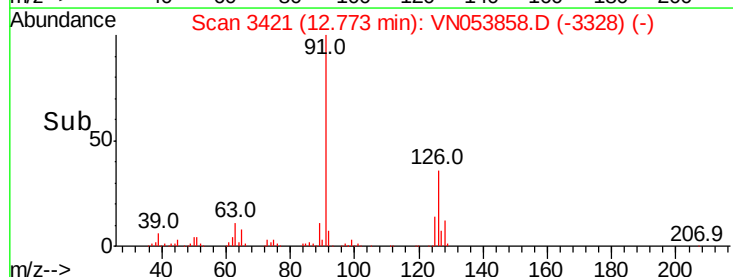
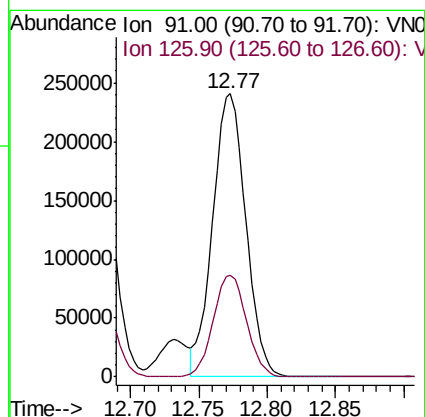
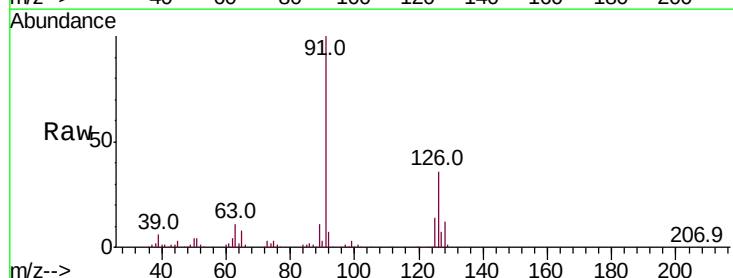
Acq: 19 Feb 2019 10:14

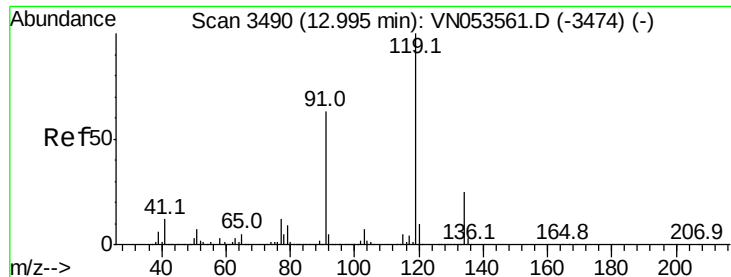
Tgt Ion: 91 Resp: 406157

Ion Ratio Lower Upper

91 100

126 36.0 17.6 52.9

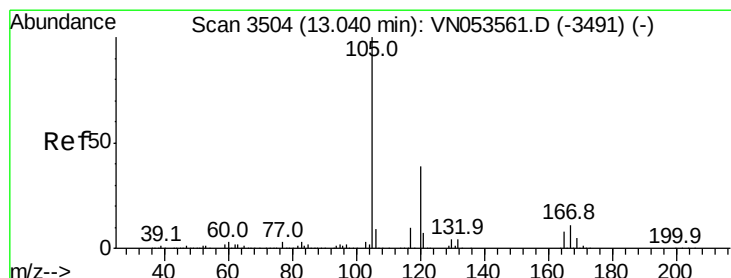
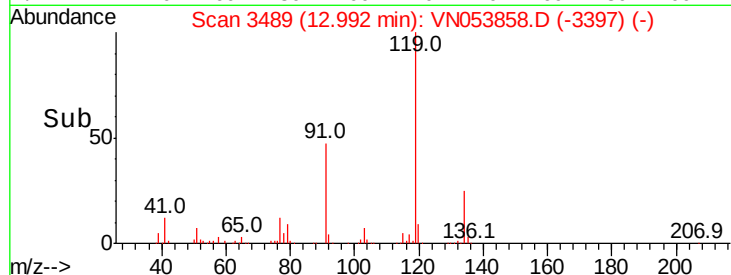
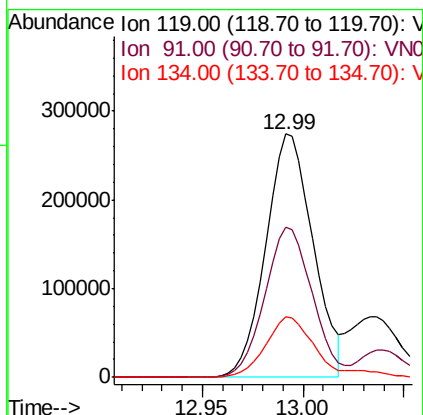
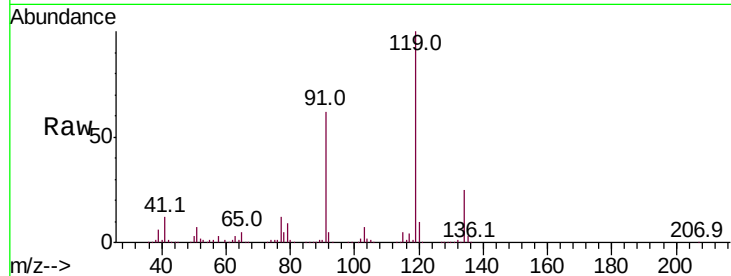




#83
 tert-Butylbenzene
 Concen: 21.417 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053858.D
 Acq: 19 Feb 2019 10:14

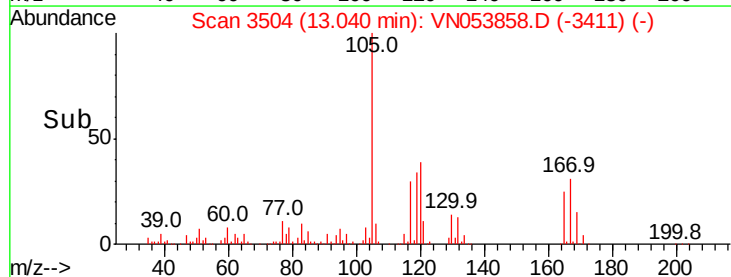
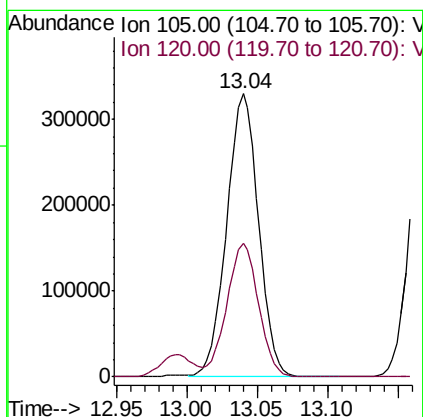
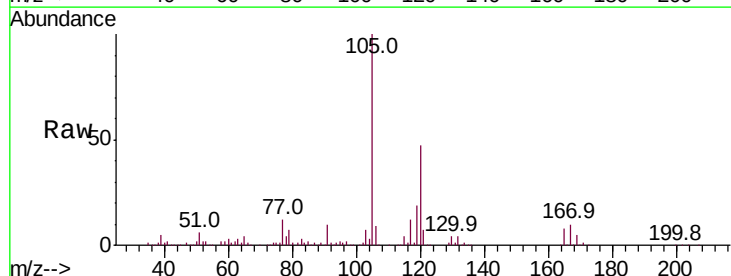
Instrument :
 MSVOA_N
 ClientSampled :
 VN0219WBS01

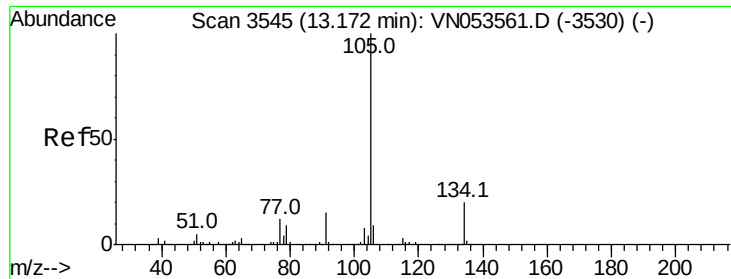
Tot Ion:119 Resp: 447484
 Ion Ratio Lower Upper
 119 100
 91 61.7 31.3 93.8
 134 24.9 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.576 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053858.D
 Acq: 19 Feb 2019 10:14

Tgt Ion:105 Resp: 519663
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.861 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

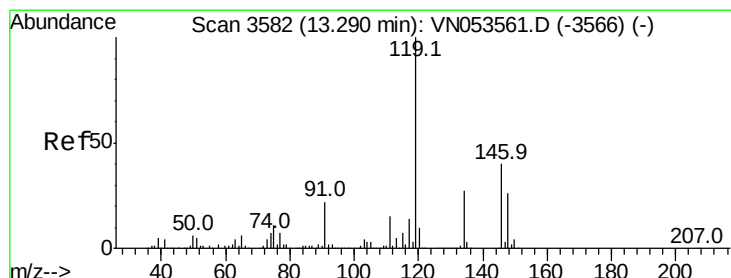
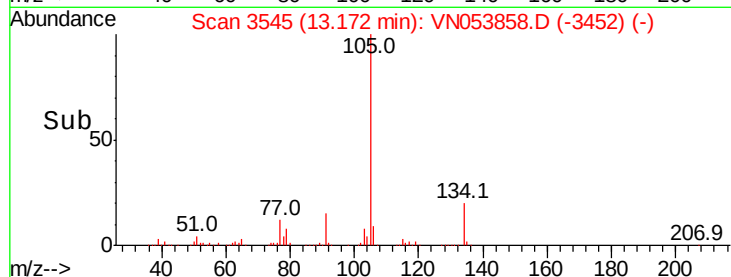
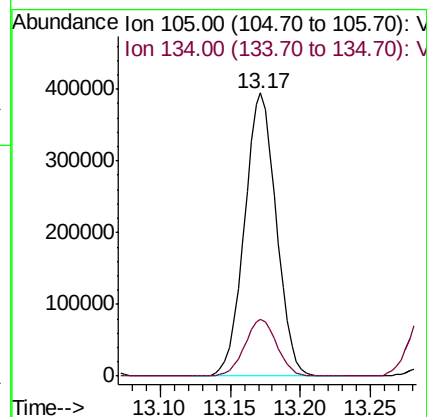
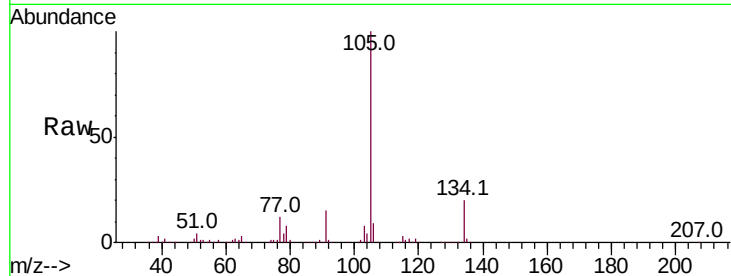
VN0219WBS01

Tot Ion:105 Resp: 621573

Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.6



#86

p-Isopropyltoluene

Concen: 21.542 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

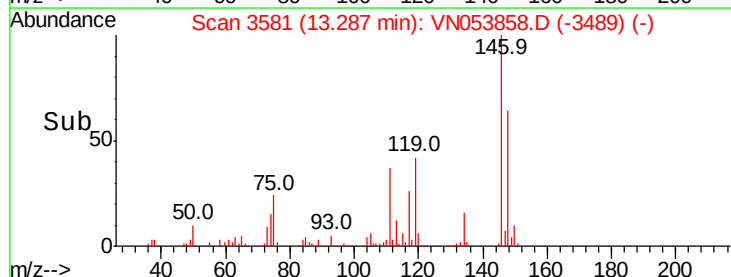
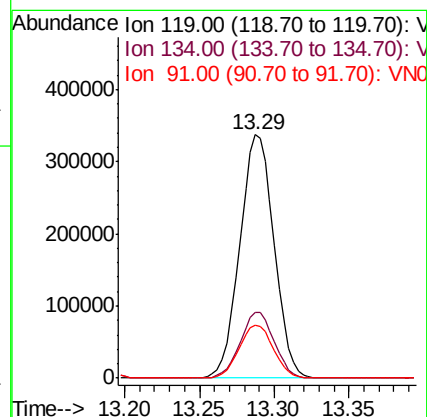
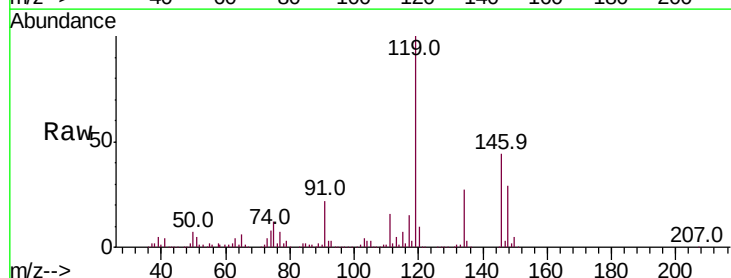
Tgt Ion:119 Resp: 535687

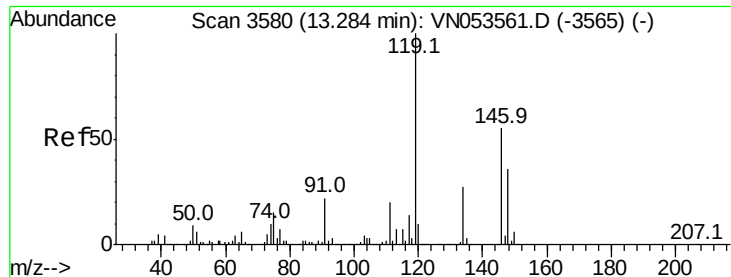
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.8 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 19.980 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

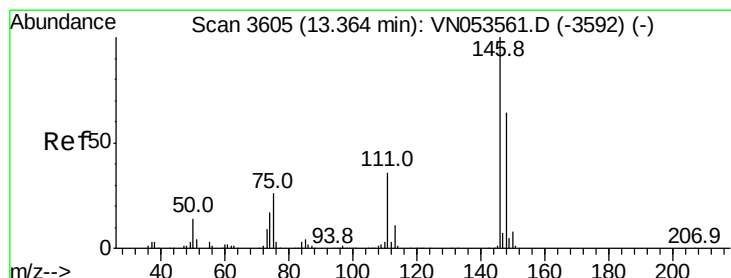
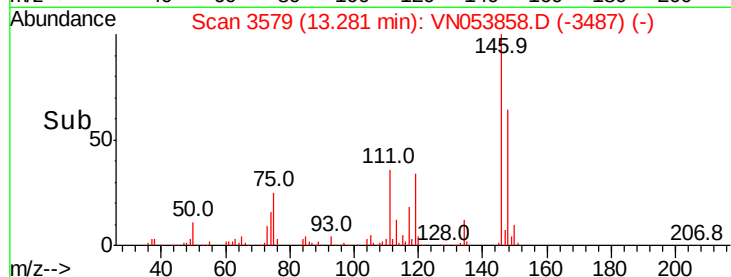
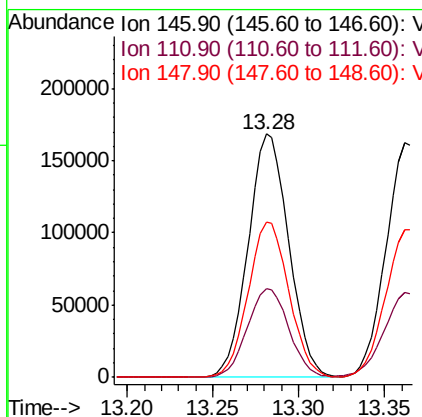
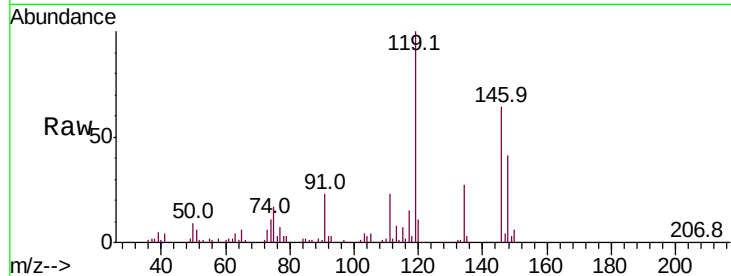
Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tot Ion:146 Resp: 275970

Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	64.2	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 19.821 ug/l

RT: 13.36 min Scan# 3604

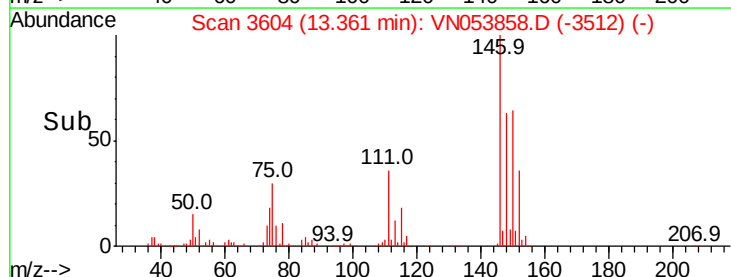
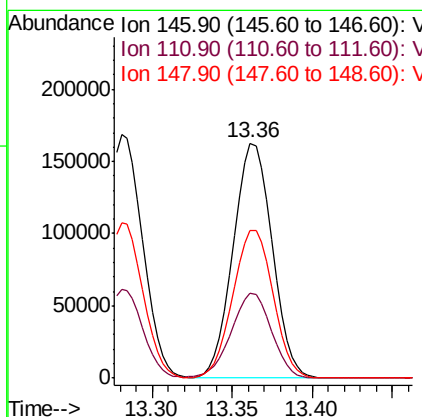
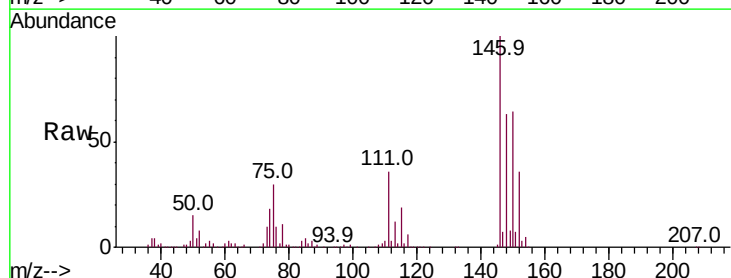
Delta R.T. -0.00 min

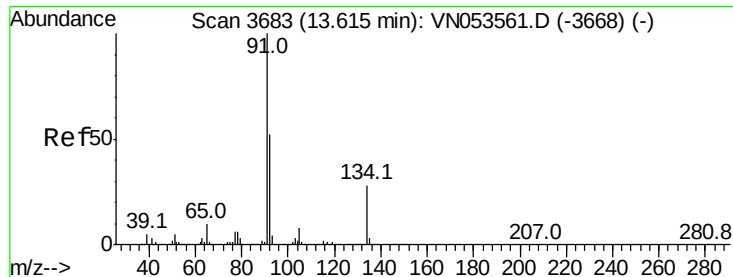
Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Tgt Ion:146 Resp: 270807

Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	64.7	32.4	97.0

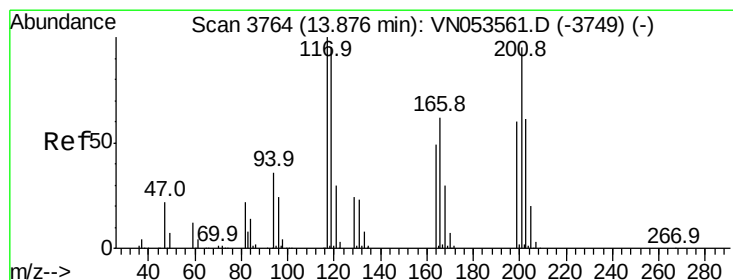
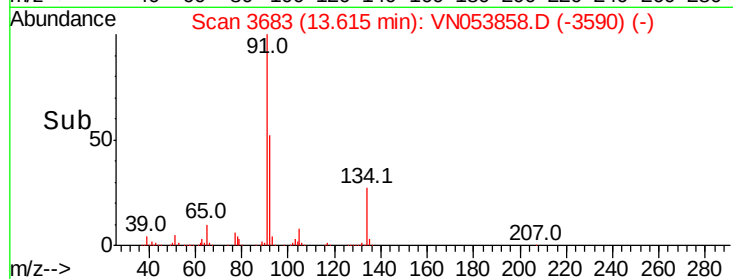
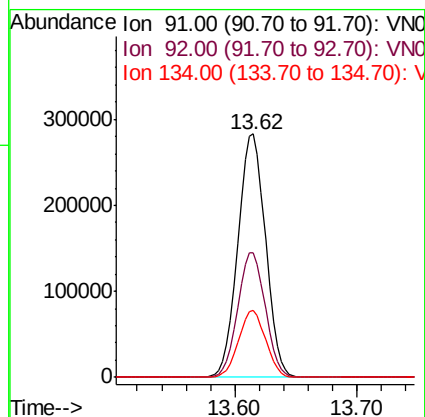
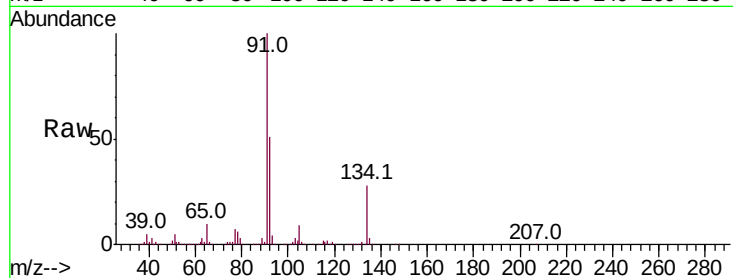




#89
n-Butylbenzene
Concen: 20.635 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

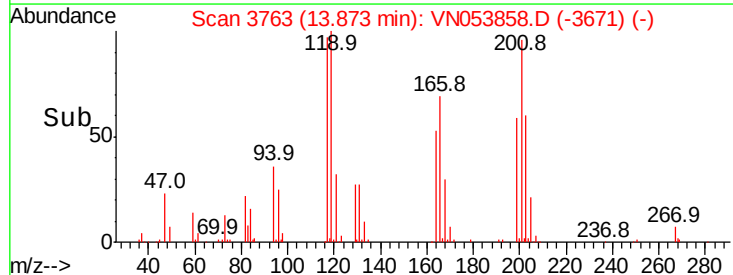
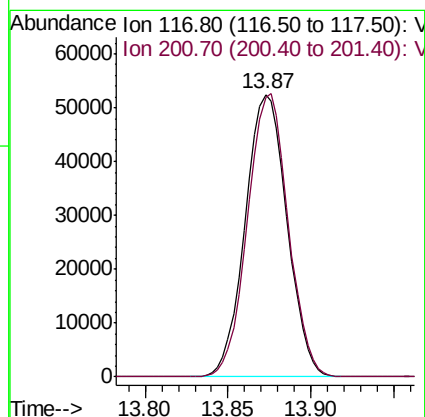
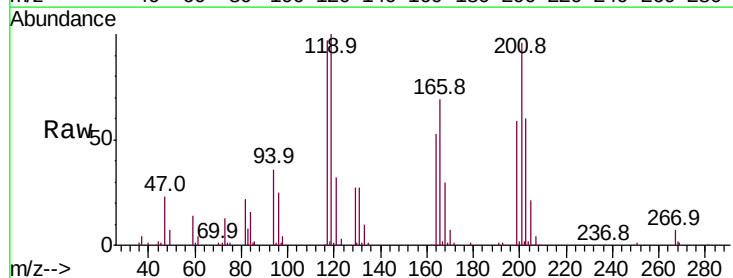
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

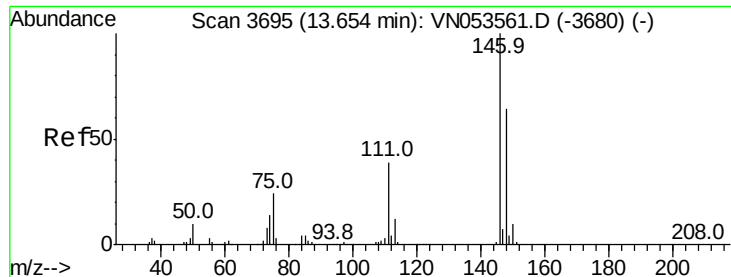
Tot Ion: 91 Resp: 444153
Ion Ratio Lower Upper
91 100
92 51.1 26.3 78.8
134 27.0 13.5 40.5



#90
Hexachloroethane
Concen: 22.440 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053858.D
Acq: 19 Feb 2019 10:14

Tgt Ion: 117 Resp: 92044
Ion Ratio Lower Upper
117 100
201 97.3 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 20.413 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

VN0219WBS01

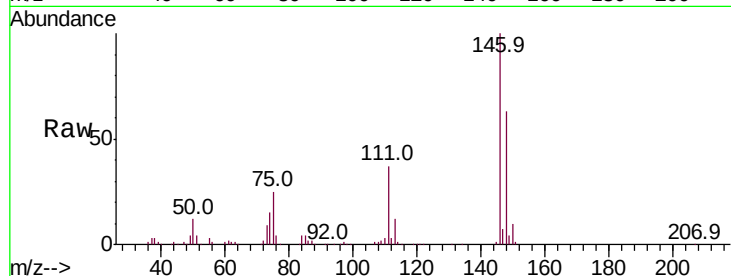
Tot Ion:146 Resp: 269914

Ion Ratio Lower Upper

146 100

111 37.8 19.5 58.5

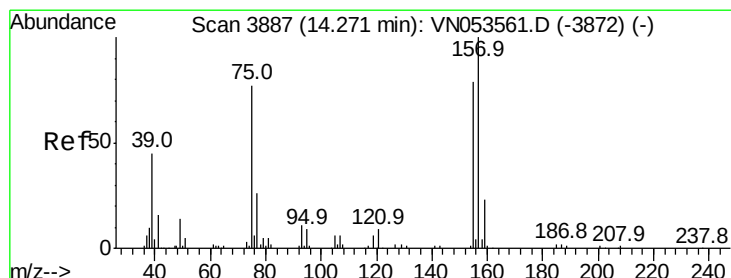
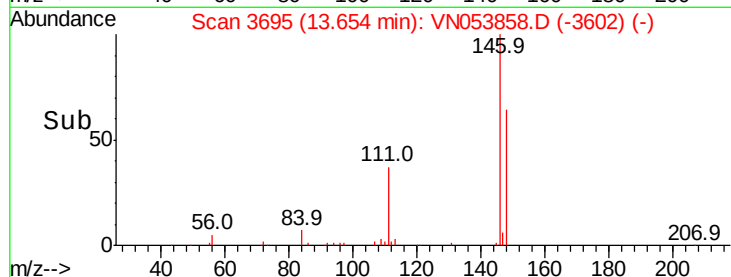
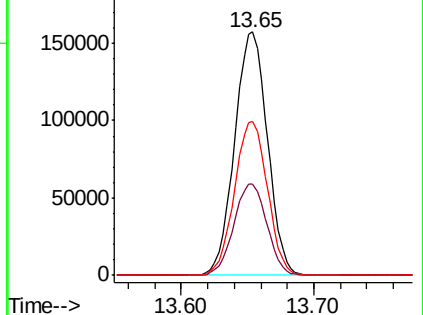
148 63.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.947 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

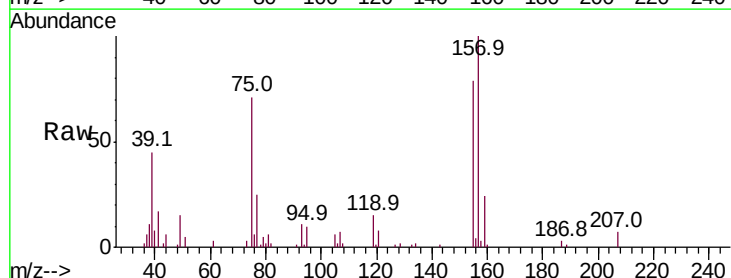
Tgt Ion: 75 Resp: 18424

Ion Ratio Lower Upper

75 100

155 105.9 48.9 146.7

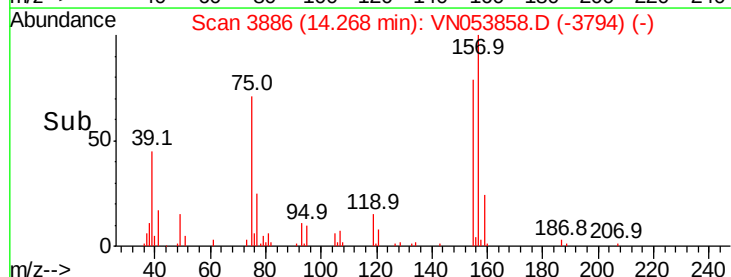
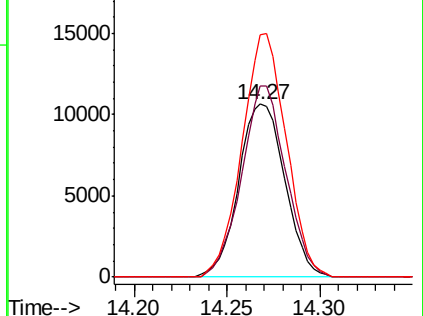
157 134.5 63.7 191.3

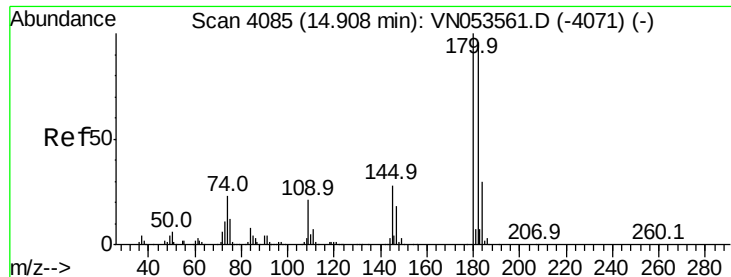


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

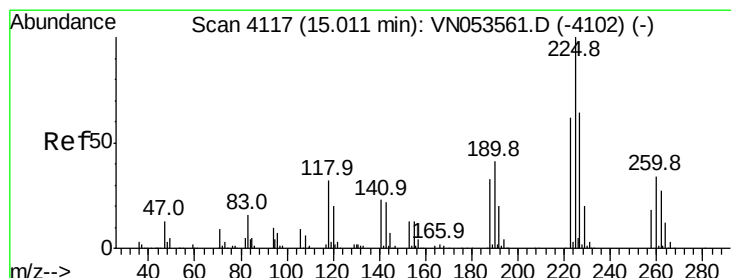
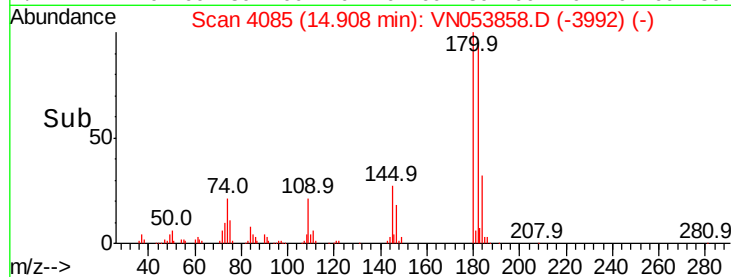
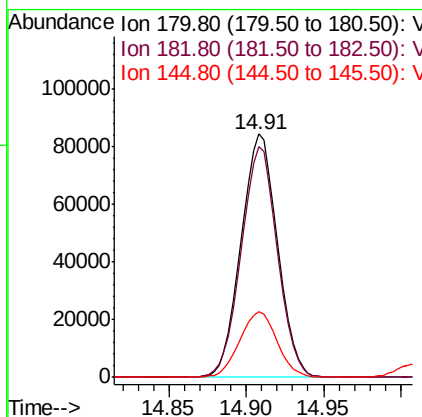
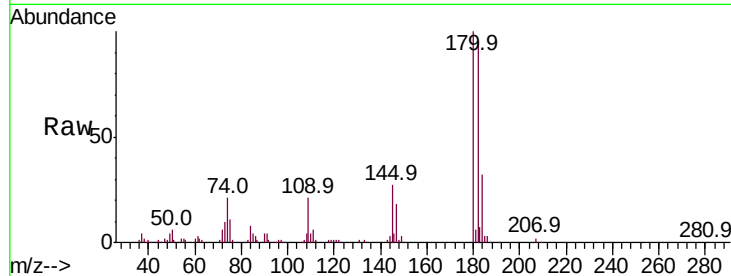




#93
 1,2,4-Trichlorobenzene
 Concen: 18.221 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053858.D
 Acq: 19 Feb 2019 10:14

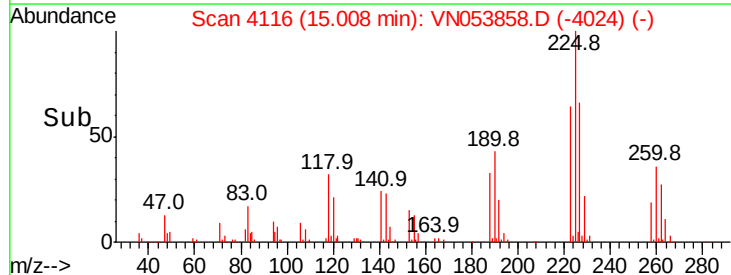
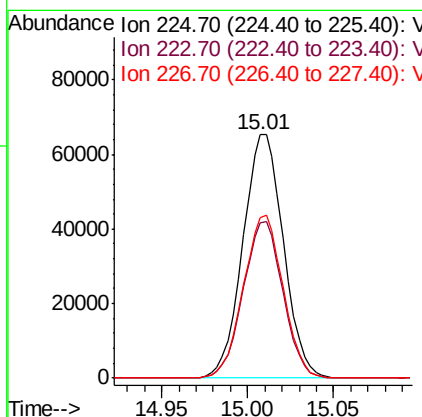
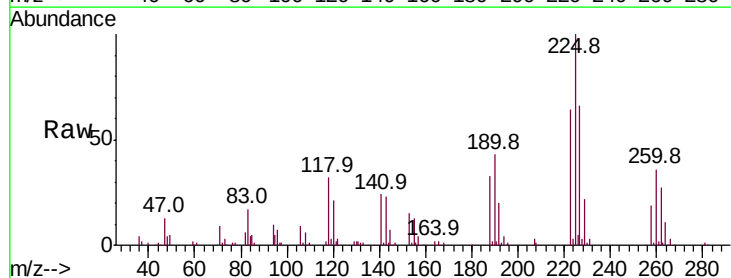
Instrument :
 MSVOA_N
 ClientSampled :
 VN0219WBS01

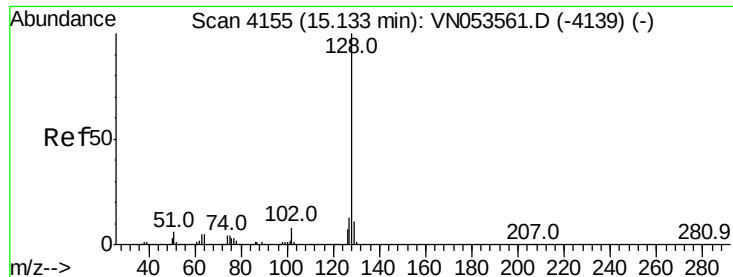
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.1	144.3
145	27.6	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 22.656 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053858.D
 Acq: 19 Feb 2019 10:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.1	93.2
227	65.5	32.0	96.2





#95

Naphthalene

Concen: 14.809 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

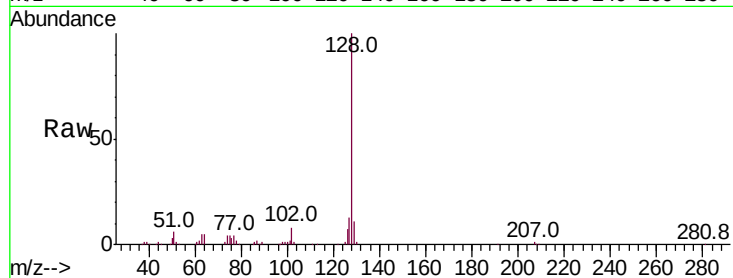
Tot Ion:128 Resp: 241269

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

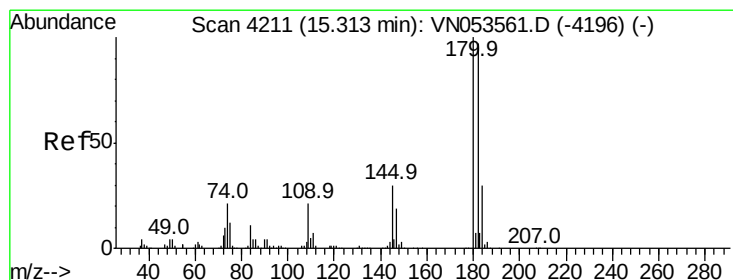
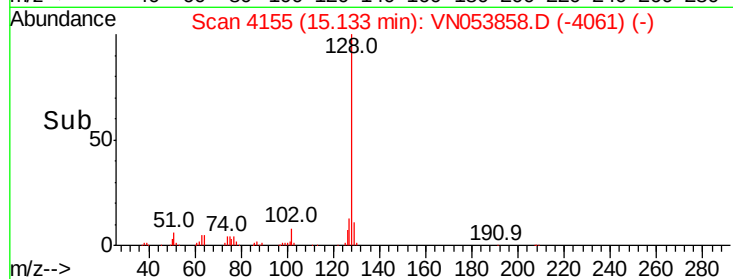
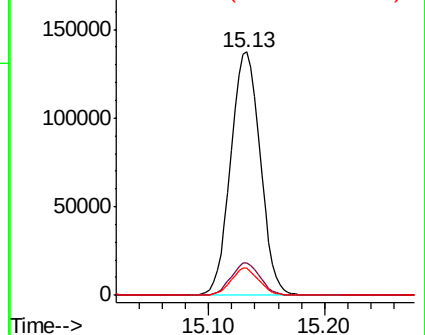
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.030 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053858.D

Acq: 19 Feb 2019 10:14

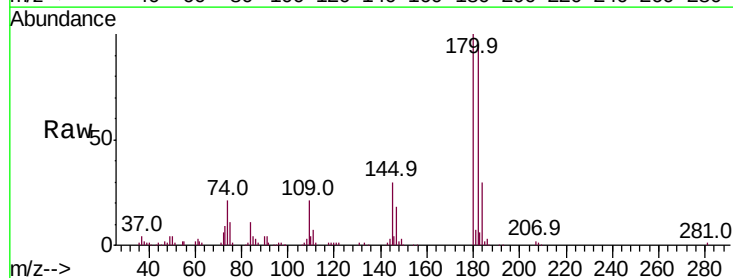
Tgt Ion:180 Resp: 133908

Ion Ratio Lower Upper

180 100

182 94.6 47.9 143.8

145 29.5 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

