

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052835.D
 Acq On : 12 Dec 2018 18:53
 Operator : MD\SY
 Sample : VN1212WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

Quant Time: Dec 13 04:12:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1002753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1561619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1383871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	636492	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	546544	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
35) Dibromofluoromethane	7.59	113	441049	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
50) Toluene-d8	10.09	98	1916675	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.40	95	643513	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	206704	20.025	ug/l	98
3) Chloromethane	2.06	50	249634	20.150	ug/l	99
4) Vinyl Chloride	2.19	62	253263	20.434	ug/l	99
5) Bromomethane	2.58	94	149931	19.612	ug/l	99
6) Chloroethane	2.71	64	149583	20.418	ug/l	99
7) Trichlorofluoromethane	3.03	101	310305	20.194	ug/l	99
8) Diethyl Ether	3.42	74	118289	21.103	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	190711	20.025	ug/l	100
10) Methyl Iodide	3.96	142	242311	18.168	ug/l	99
11) Tert butyl alcohol	4.78	59	53746	90.215	ug/l	98
12) 1,1-Dichloroethene	3.74	96	185356	20.105	ug/l	98
13) Acrolein	3.61	56	63842	113.820	ug/l	100
14) Allyl chloride	4.33	41	309232	20.536	ug/l	95
15) Acrylonitrile	4.99	53	345702	103.435	ug/l	99
16) Acetone	3.81	43	232212	96.972	ug/l	99
17) Carbon Disulfide	4.06	76	551850	19.485	ug/l	99
18) Methyl Acetate	4.33	43	170136	19.359	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	507689	20.285	ug/l	100
20) Methylene Chloride	4.55	84	210110	19.497	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	196966	19.720	ug/l	99
22) Diisopropyl ether	5.95	45	651855	20.291	ug/l	99
23) Vinyl Acetate	5.90	43	1979311	103.545	ug/l	99
24) 1,1-Dichloroethane	5.85	63	371504	20.054	ug/l	99
25) 2-Butanone	6.84	43	361100	97.184	ug/l	99
26) 2,2-Dichloropropane	6.83	77	260594	19.102	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	227183	20.041	ug/l	99
28) Bromochloromethane	7.20	49	172317	20.714	ug/l	99
29) Tetrahydrofuran	7.21	42	257144	101.373	ug/l	100
30) Chloroform	7.37	83	363535	20.123	ug/l	100
31) Cyclohexane	7.66	56	361509	19.656	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	301638	19.956	ug/l	99
36) 1,1-Dichloropropene	7.80	75	286391	19.915	ug/l	99
37) Ethyl Acetate	6.93	43	173591	20.094	ug/l	99
38) Carbon Tetrachloride	7.78	117	262084	19.800	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	336309	19.057	ug/l	99
40) Benzene	8.04	78	860129	19.928	ug/l	99
41) Methacrylonitrile	7.17	41	96027	20.062	ug/l	98
42) 1,2-Dichloroethane	8.13	62	262831	20.227	ug/l	99
43) Isopropyl Acetate	8.17	43	324799	18.338	ug/l #	88
44) Trichloroethene	8.84	130	228153	19.570	ug/l	99
45) 1,2-Dichloropropane	9.12	63	224128	19.826	ug/l	96
46) Dibromomethane	9.21	93	132090	20.147	ug/l	99
47) Bromodichloromethane	9.40	83	271398	19.962	ug/l	99
48) Methyl methacrylate	9.20	41	157353	20.258	ug/l	98
49) 1,4-Dioxane	9.20	88	32257	365.860	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	837609	103.132	ug/l	100
52) Toluene	10.16	92	529622	20.260	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	270324	19.759	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	318048	19.509	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	186236	19.958	ug/l	98
56) Ethyl methacrylate	10.43	69	241084	20.131	ug/l	100
57) 1,3-Dichloropropane	10.71	76	322549	20.157	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	672171	100.592	ug/l	99
59) 2-Hexanone	10.75	43	556471	99.978	ug/l	100
60) Dibromochloromethane	10.90	129	200564	19.887	ug/l	100
61) 1,2-Dibromoethane	11.01	107	185659	20.128	ug/l	100
64) Tetrachloroethene	10.63	164	241021	20.264	ug/l	97
65) Chlorobenzene	11.44	112	569669	19.842	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	197555	19.785	ug/l	99
67) Ethyl Benzene	11.51	91	988141	20.042	ug/l	100
68) m/p-Xylenes	11.62	106	748532	40.432	ug/l	99
69) o-Xylene	11.95	106	363545	20.110	ug/l	99
70) Styrene	11.96	104	591370	20.349	ug/l	100
71) Bromoform	12.13	173	134481	19.825	ug/l	100
73) Isopropylbenzene	12.25	105	964334	20.292	ug/l	100
74) N-amyl acetate	12.07	43	265870	20.378	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	217644	20.435	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	275123	29.297	ug/l #	100
77) Bromobenzene	12.53	156	245630	20.321	ug/l	99
78) n-propylbenzene	12.59	91	1092594	20.159	ug/l	100
79) 2-Chlorotoluene	12.67	91	649301	20.264	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	773002	20.150	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57131	19.544	ug/l	98
82) 4-Chlorotoluene	12.77	91	656320	20.034	ug/l	100
83) tert-Butylbenzene	12.99	119	685387	20.253	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	788607	20.305	ug/l	100
85) sec-Butylbenzene	13.17	105	926351	20.213	ug/l	100
86) p-Isopropyltoluene	13.29	119	800540	20.162	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	422731	19.680	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	421734	19.826	ug/l	99
89) n-Butylbenzene	13.62	91	653999	19.566	ug/l	99
90) Hexachloroethane	13.88	117	129723	19.511	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	416745	20.169	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32830	20.449	ug/l	96

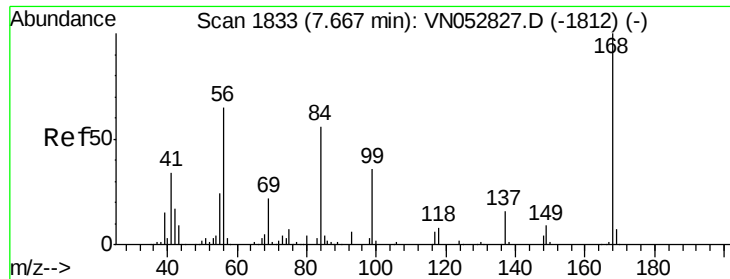
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	212059	18.880	ug/l	99
94) Hexachlorobutadiene	15.01	225	128864	19.822	ug/l	97
95) Naphthalene	15.13	128	442203	19.009	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	198914	19.301	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: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

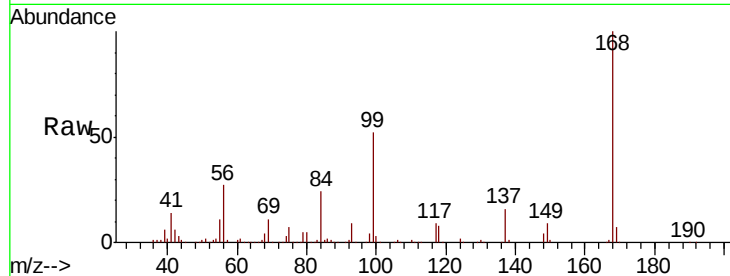
VN1212WBSD02

Tot Ion:168 Resp: 1002753

Ion Ratio Lower Upper

168 100

99 51.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

7.67

400000

300000

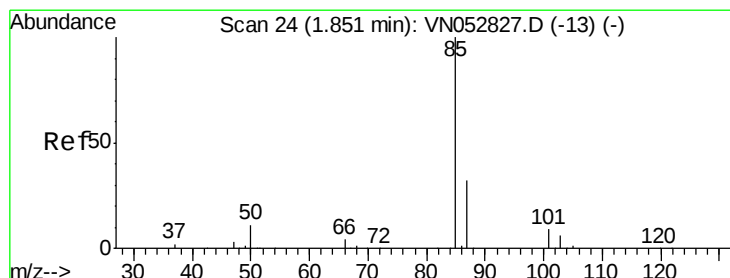
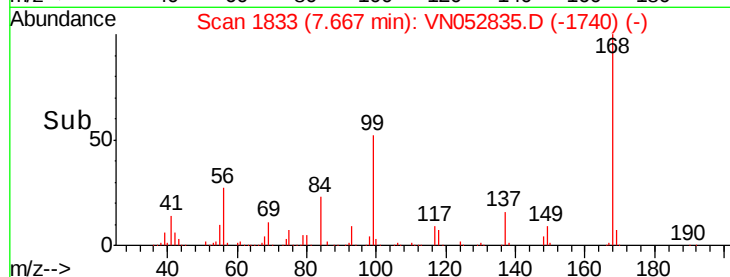
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.025 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052835.D

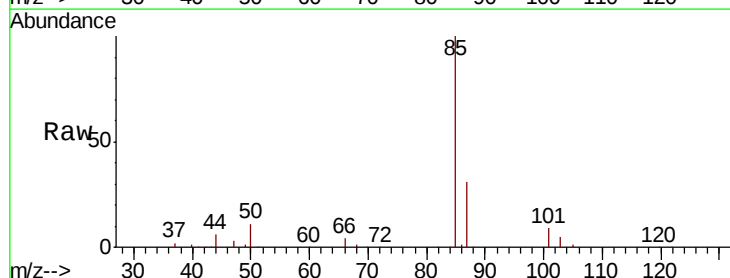
Acq: 12 Dec 2018 18:53

Tgt Ion: 85 Resp: 206704

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN052827.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052827.D (-13) (-)

1.85

150000

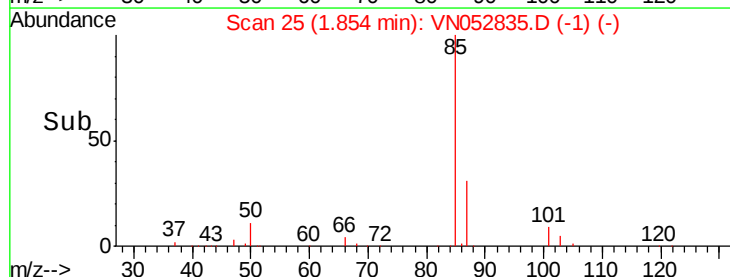
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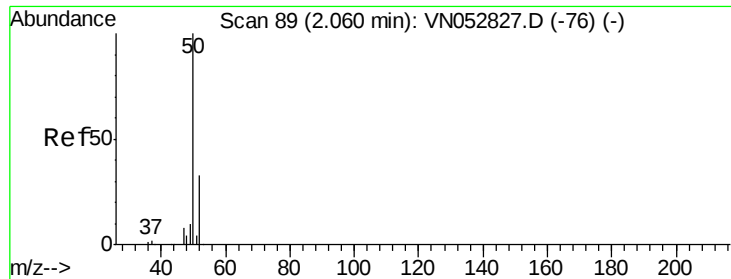
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.150 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

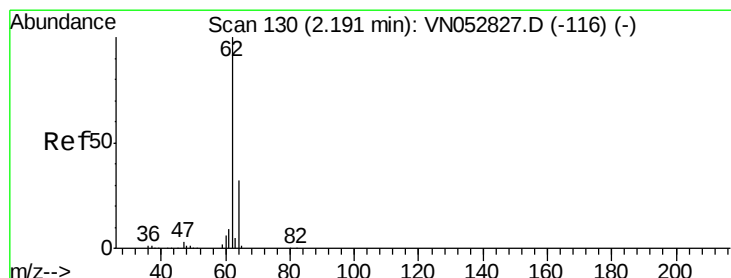
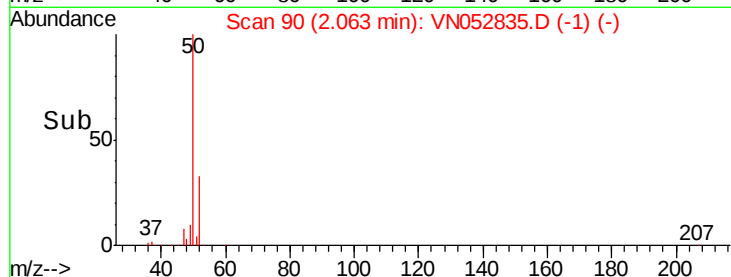
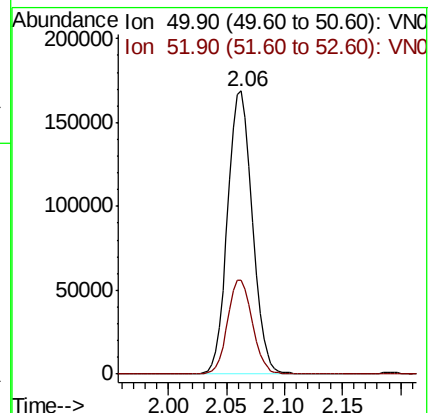
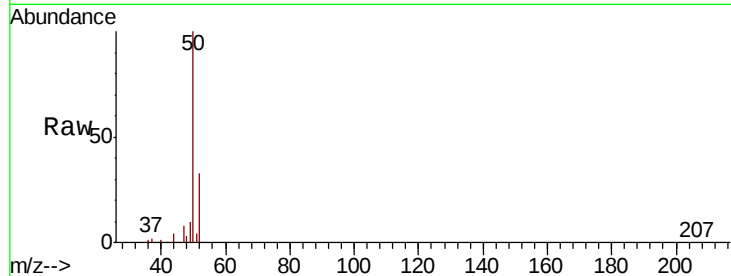
VN1212WBSD02

Tot Ion: 50 Resp: 249634

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.4



#4

Vinyl Chloride

Concen: 20.434 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052835.D

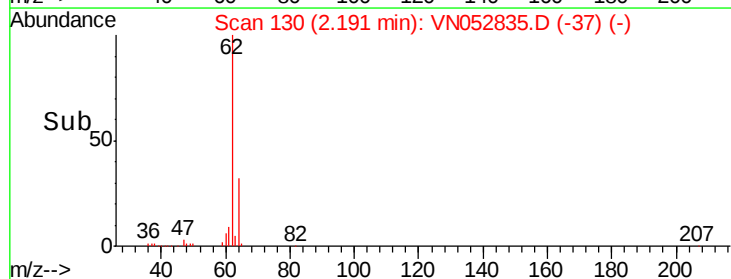
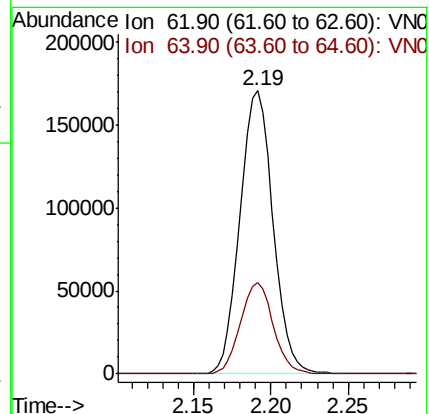
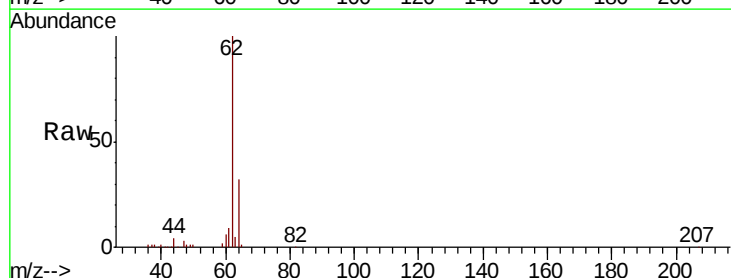
Acq: 12 Dec 2018 18:53

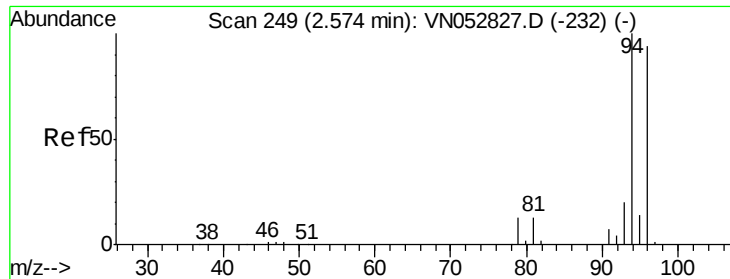
Tgt Ion: 62 Resp: 253263

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 19.612 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

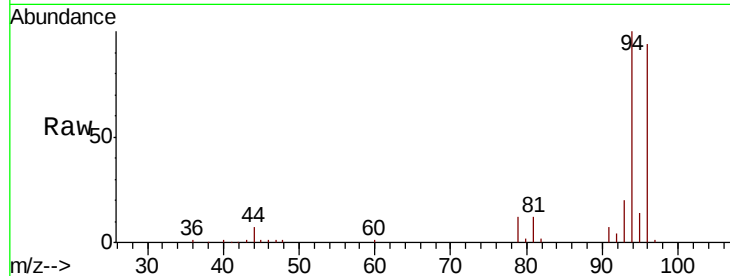
VN1212WBSD02

Tot Ion: 94 Resp: 149931

Ion Ratio Lower Upper

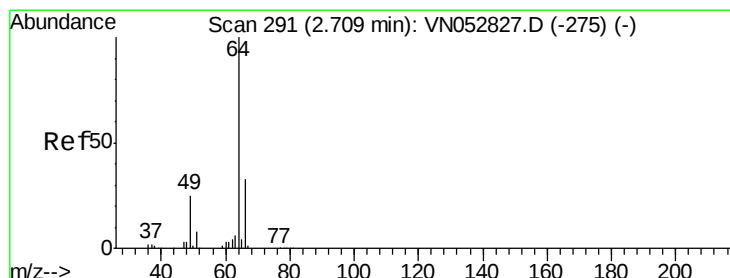
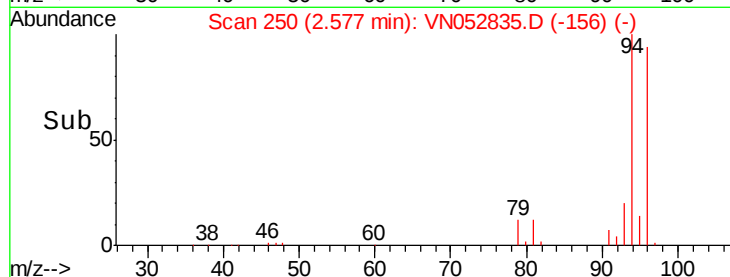
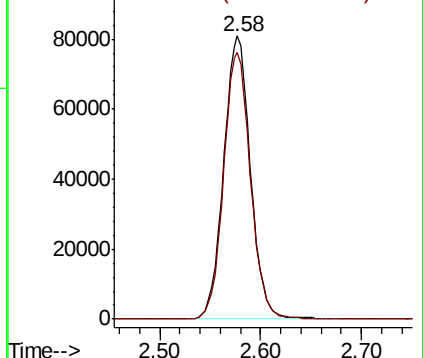
94 100

96 94.3 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.418 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052835.D

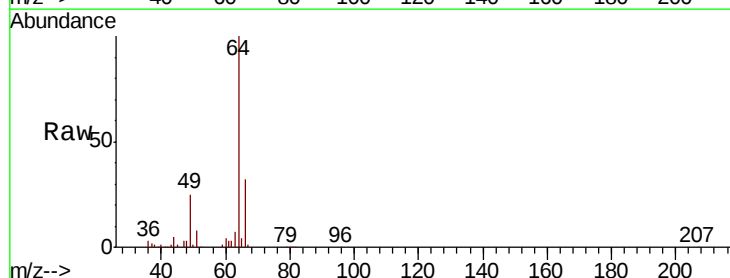
Acq: 12 Dec 2018 18:53

Tgt Ion: 64 Resp: 149583

Ion Ratio Lower Upper

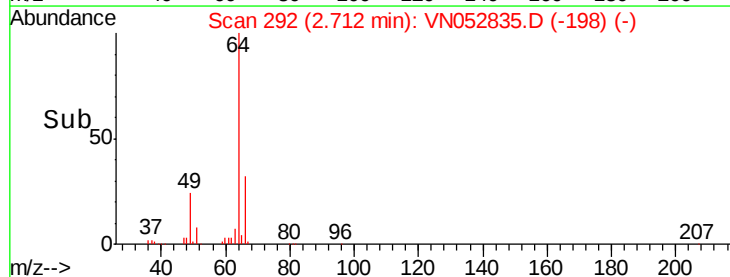
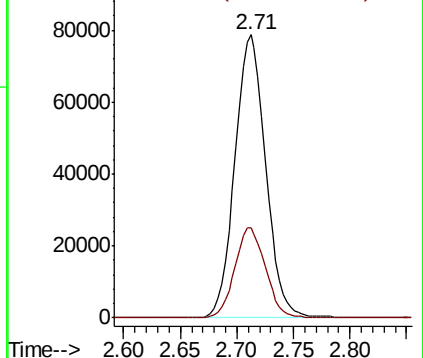
64 100

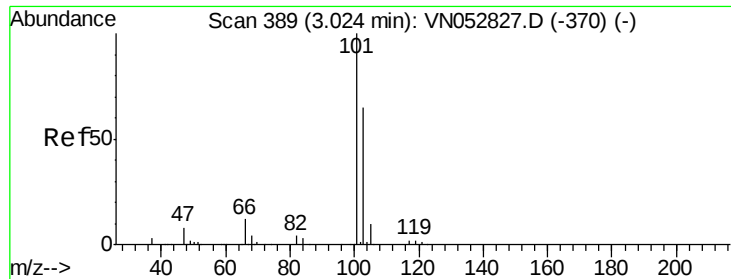
66 32.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



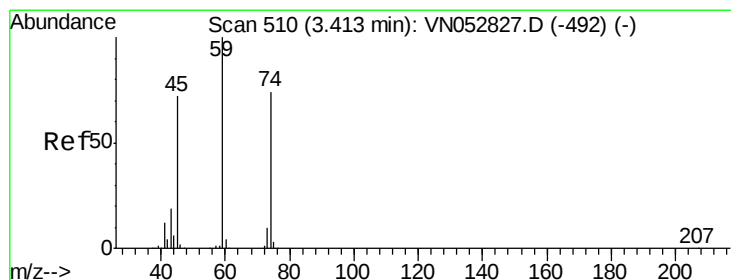
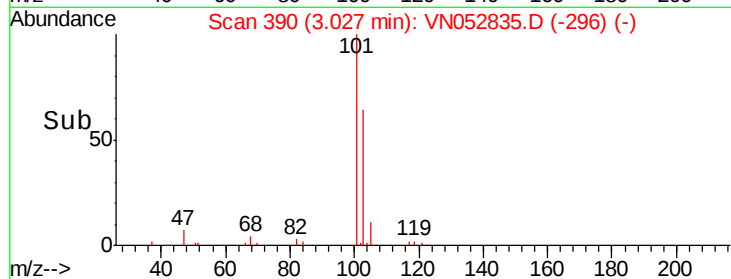
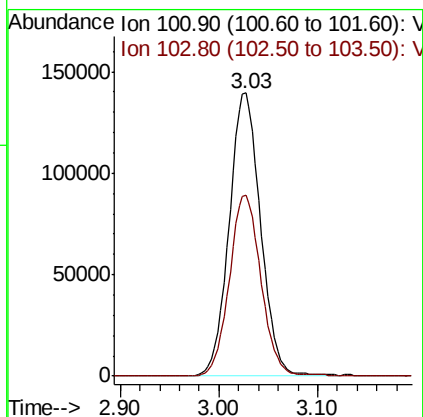
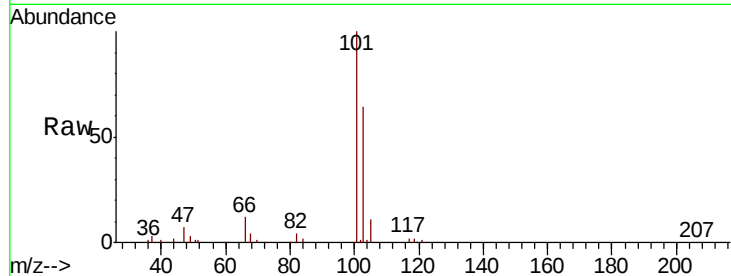


#7

Trichlorofluoromethane
 Concen: 20.194 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Instrument :
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 VN1212WBSD02

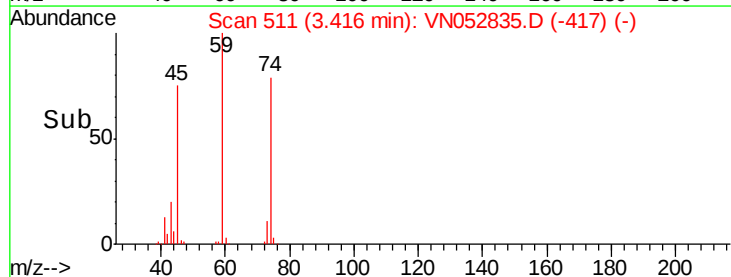
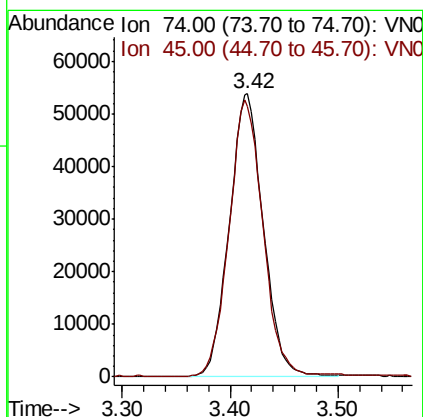
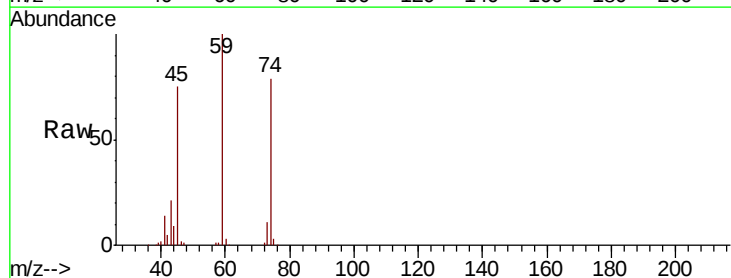
Tot Ion:101 Resp: 310305
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.8 77.6

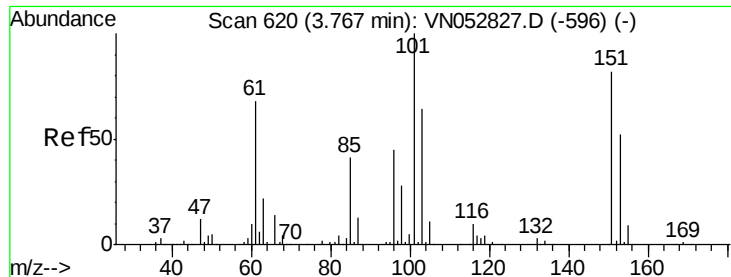


#8

Diethyl Ether
 Concen: 21.103 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion: 74 Resp: 118289
 Ion Ratio Lower Upper
 74 100
 45 97.3 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.025 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

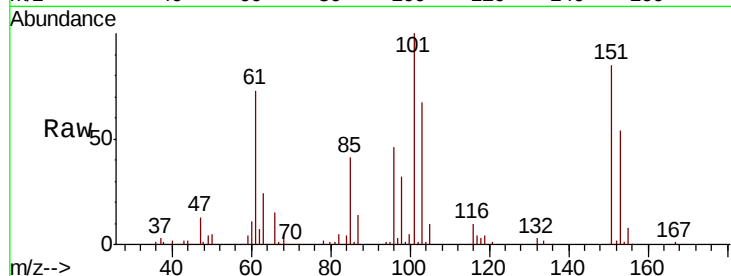
Tot Ion:101 Resp: 190711

Ion Ratio Lower Upper

101 100

85 41.4 33.6 50.4

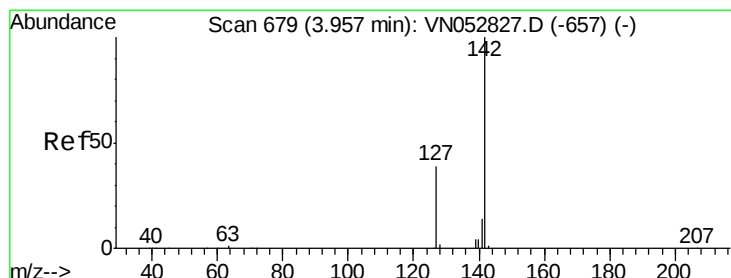
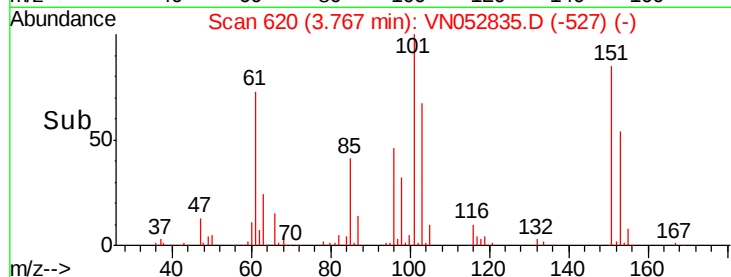
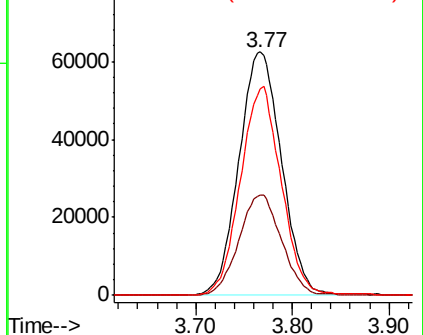
151 82.1 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.168 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

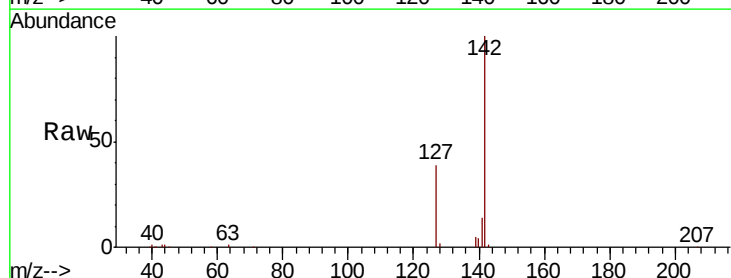
Tgt Ion:142 Resp: 242311

Ion Ratio Lower Upper

142 100

127 39.2 31.0 46.6

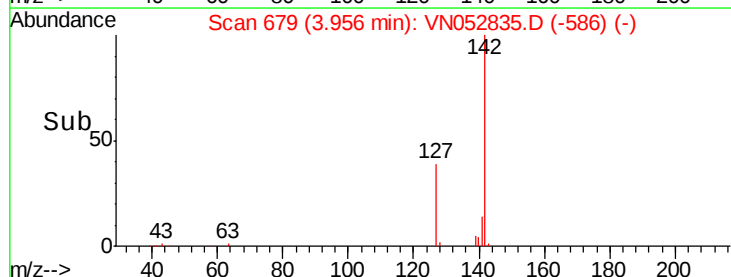
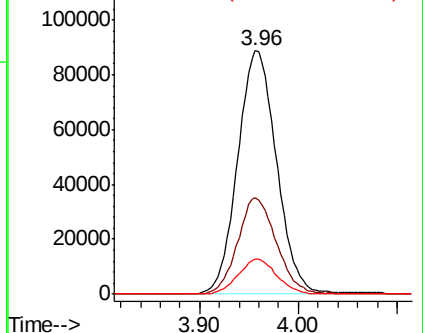
141 14.2 11.2 16.8

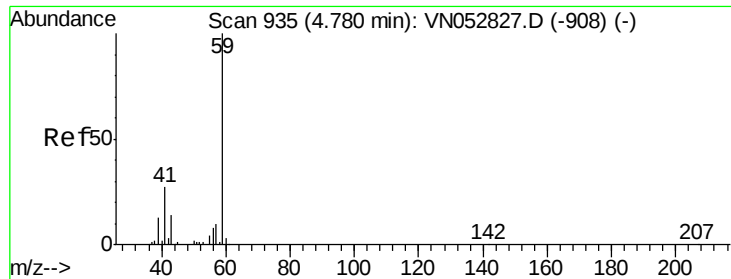


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



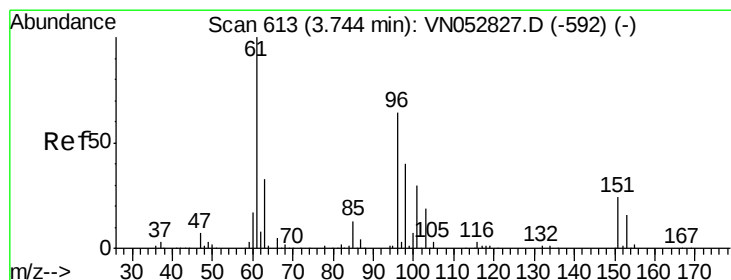
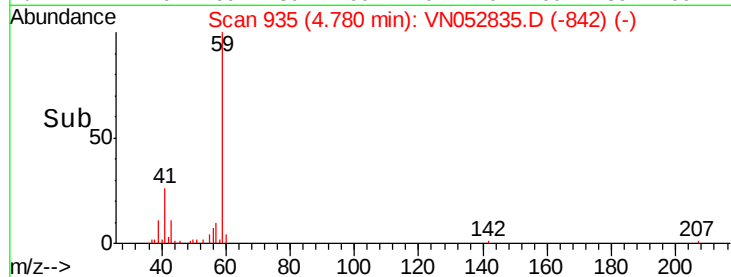
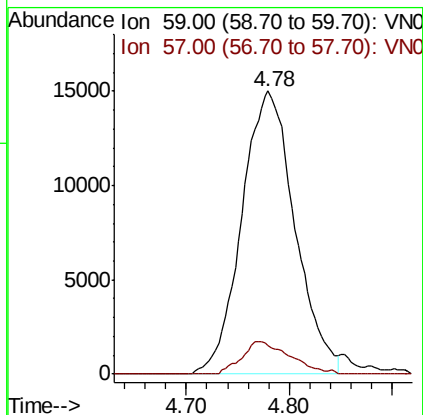
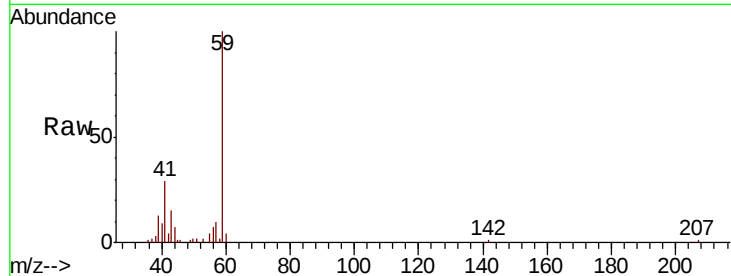


#11

Tert butyl alcohol
 Concen: 90.215 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

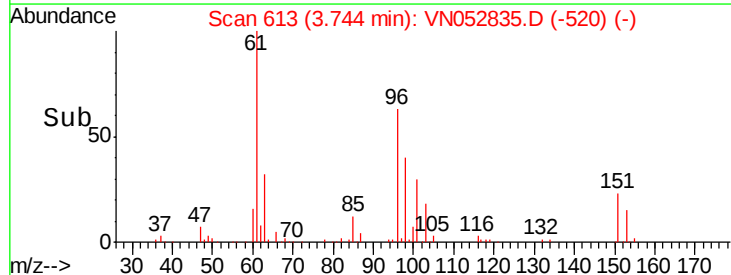
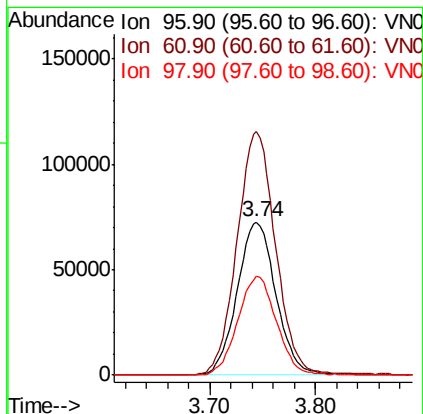
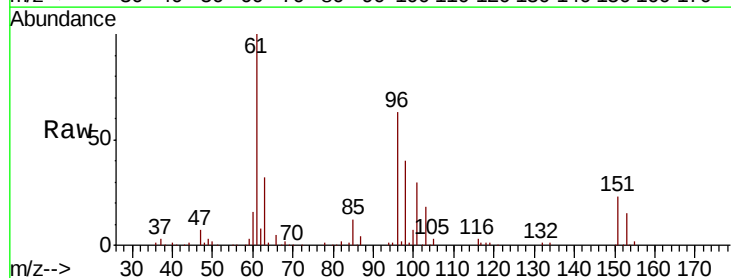
Tot Ion: 59 Resp: 53746
 Ion Ratio Lower Upper
 59 100
 57 10.5 7.7 11.5

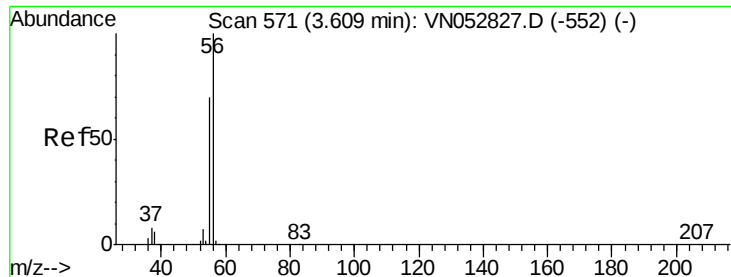


#12

1,1-Dichloroethene
 Concen: 20.105 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion: 96 Resp: 185356
 Ion Ratio Lower Upper
 96 100
 61 159.4 125.6 188.4
 98 64.5 50.6 75.8





#13

Acrolein

Concen: 113.820 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

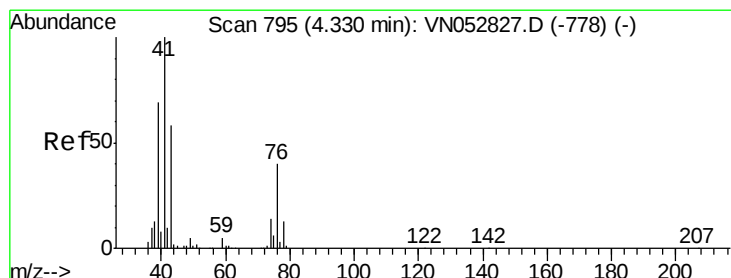
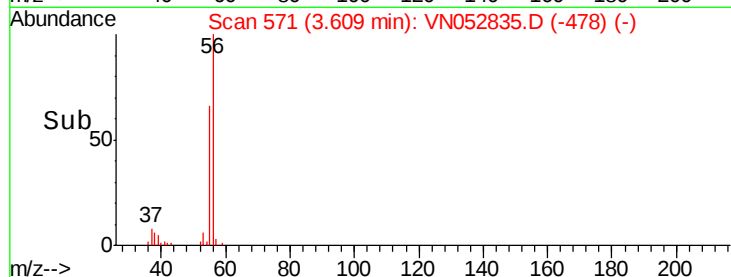
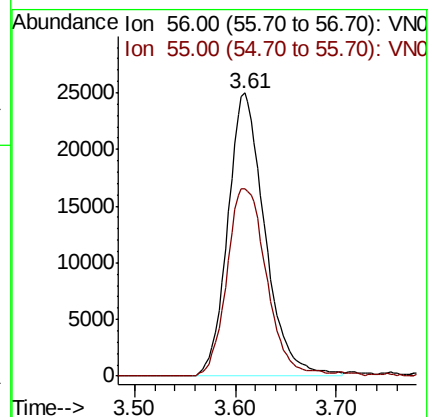
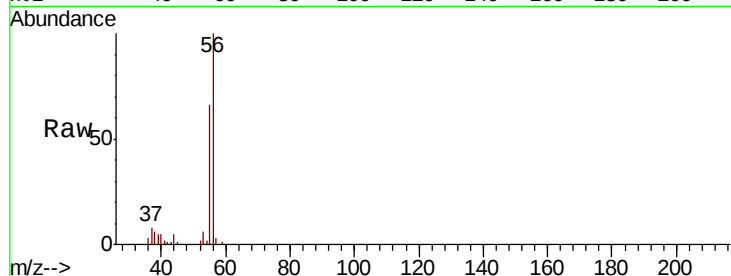
VN1212WBSD02

Tot Ion: 56 Resp: 63842

Ion Ratio Lower Upper

56 100

55 70.9 56.6 85.0



#14

Allyl chloride

Concen: 20.536 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

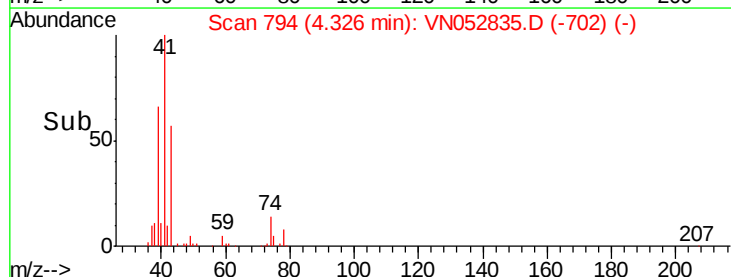
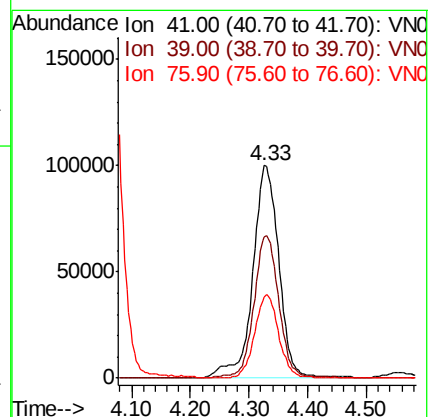
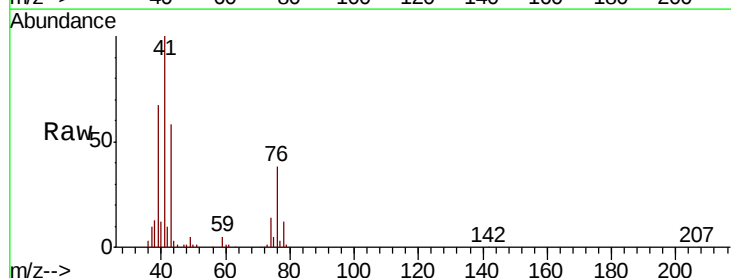
Tgt Ion: 41 Resp: 309232

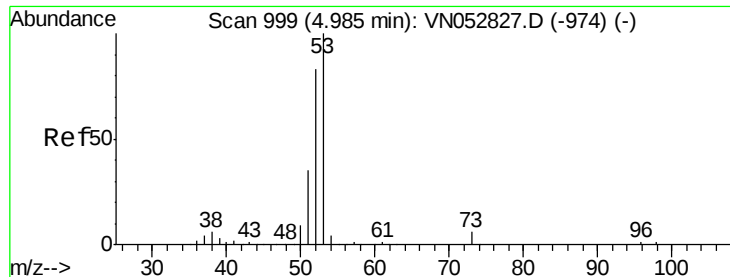
Ion Ratio Lower Upper

41 100

39 63.6 54.1 81.1

76 35.1 30.3 45.5





#15

Acrylonitrile

Concen: 103.435 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampled :

VN1212WBSD02

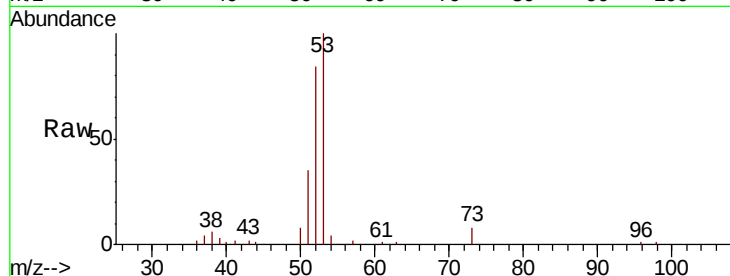
Tot Ion: 53 Resp: 345702

Ion Ratio Lower Upper

53 100

52 82.0 65.1 97.7

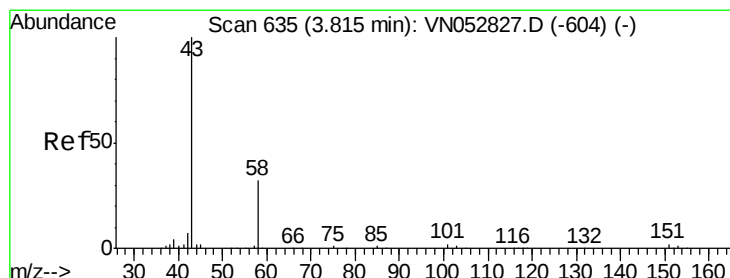
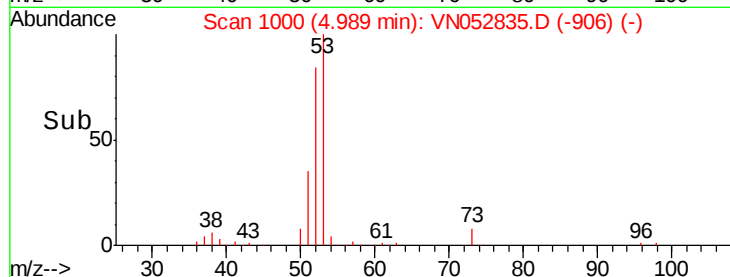
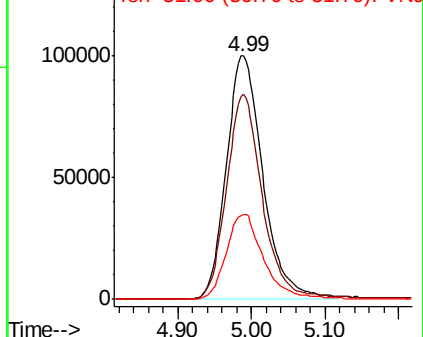
51 35.9 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 96.972 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052835.D

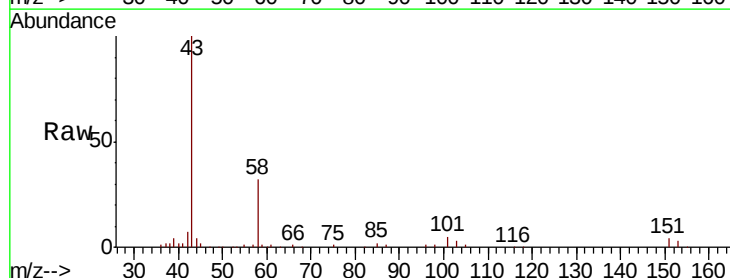
Acq: 12 Dec 2018 18:53

Tgt Ion: 43 Resp: 232212

Ion Ratio Lower Upper

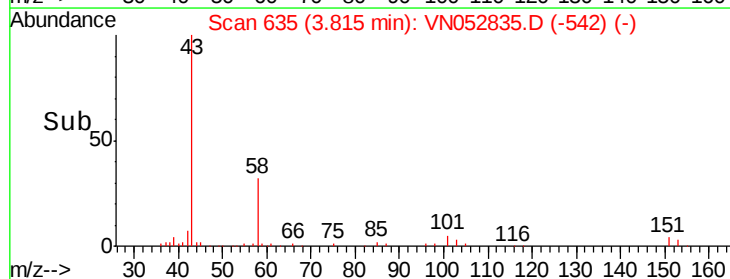
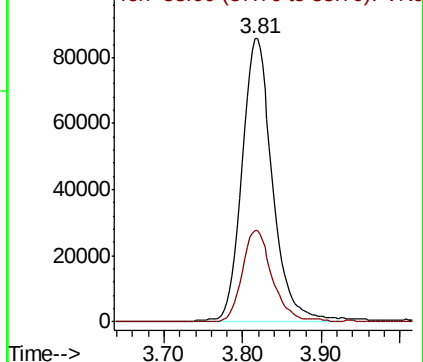
43 100

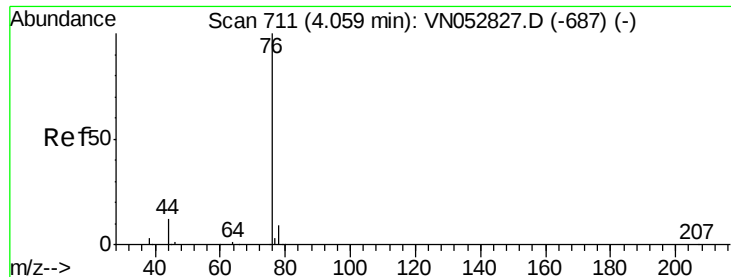
58 32.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

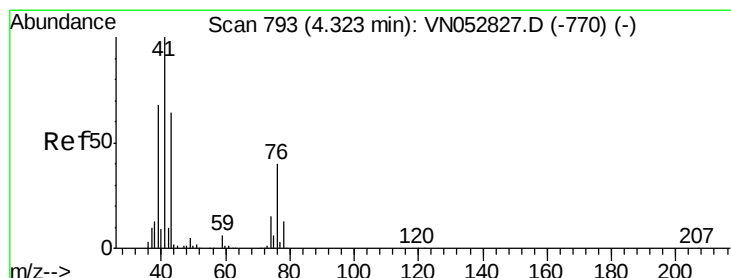
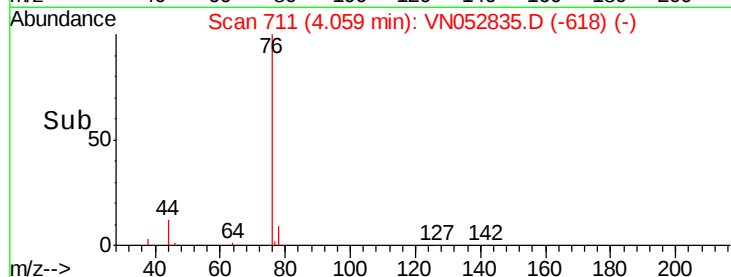
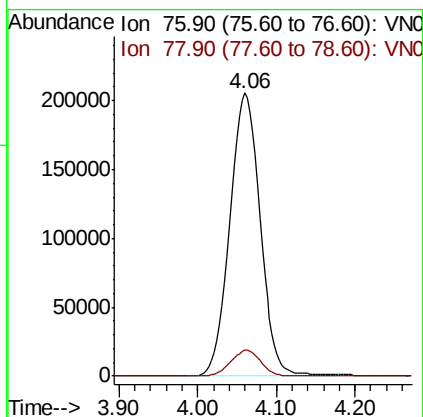
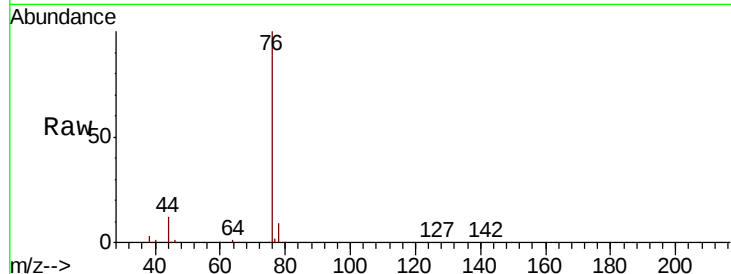




#17
Carbon Disulfide
Concen: 19.485 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

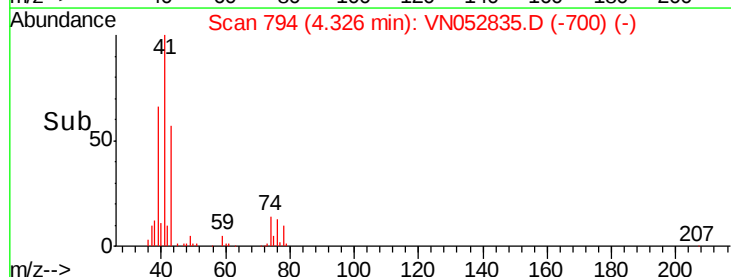
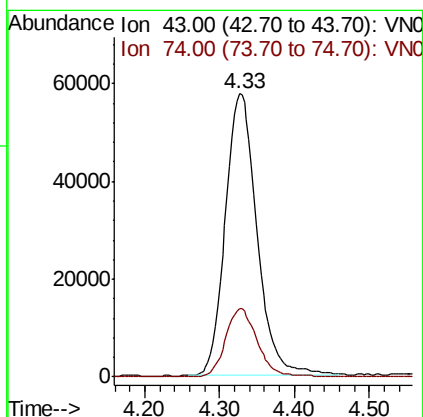
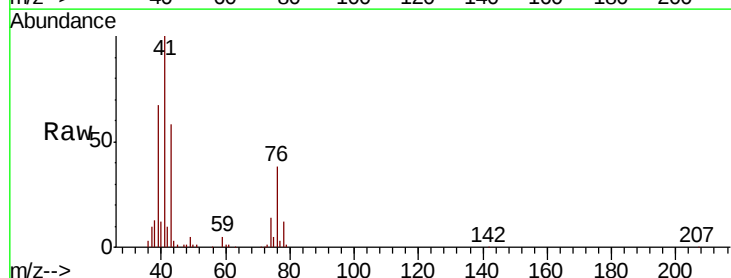
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

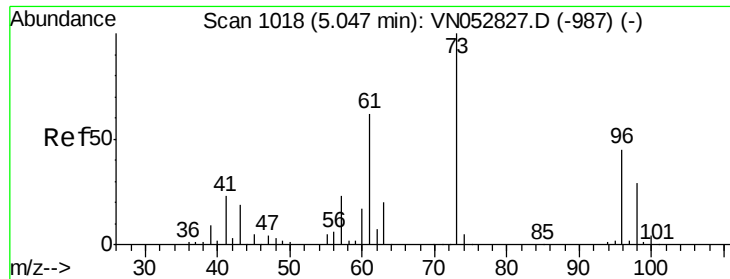
Tot Ion: 76 Resp: 551850
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 19.359 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion: 43 Resp: 170136
Ion Ratio Lower Upper
43 100
74 24.2 19.2 28.8

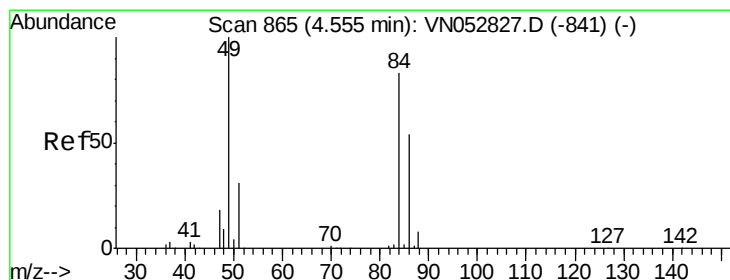
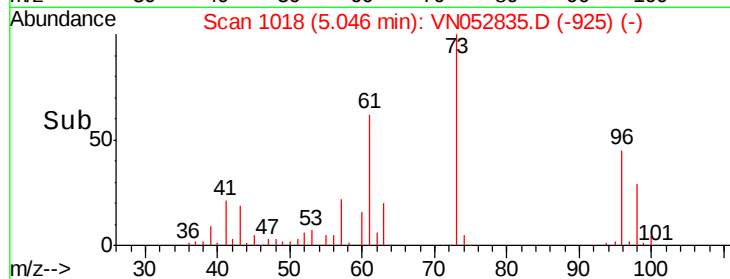
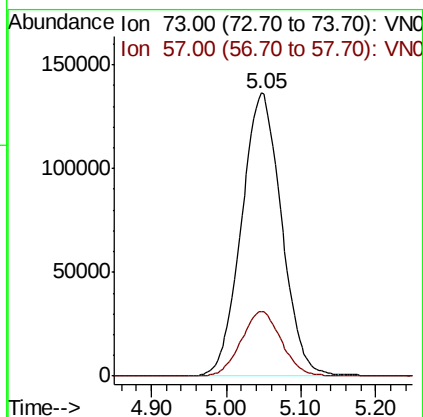
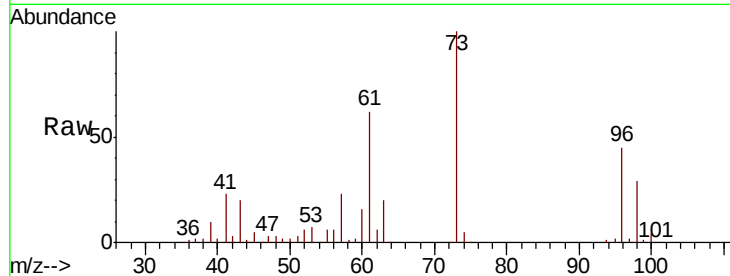




#19
Methyl tert-butyl Ether
Concen: 20.285 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

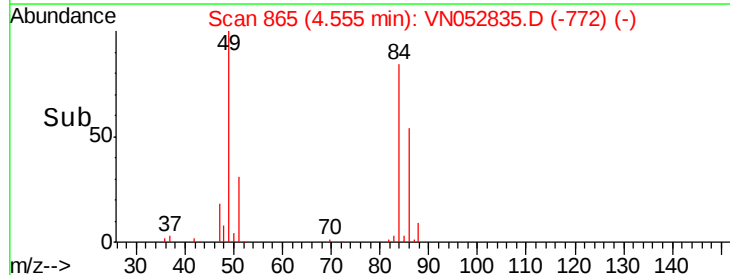
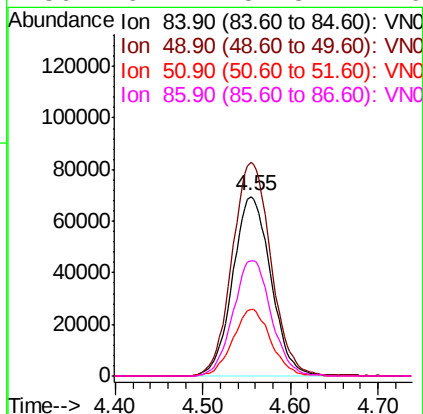
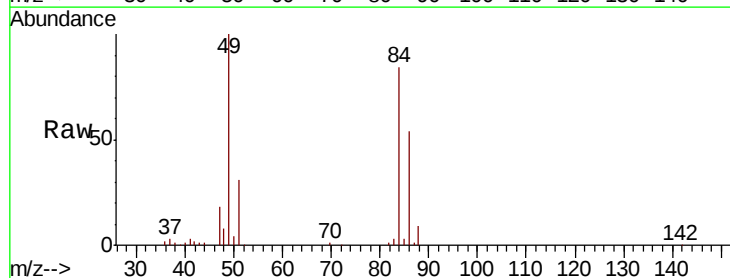
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

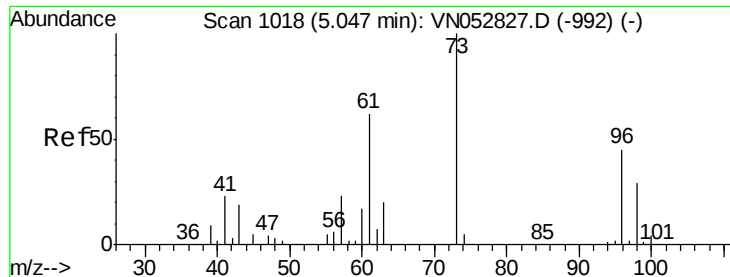
Tot Ion: 73 Resp: 507689
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 19.497 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion: 84 Resp: 210110
Ion Ratio Lower Upper
84 100
49 118.9 96.8 145.2
51 37.4 29.9 44.9
86 64.4 51.8 77.6

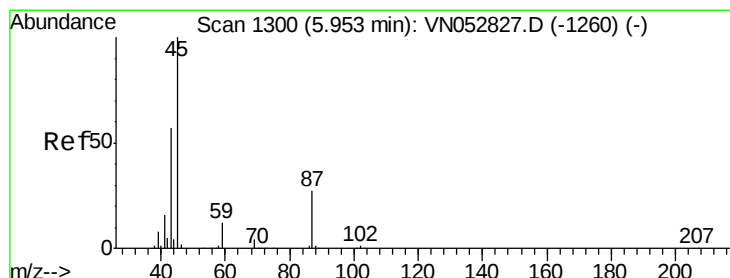
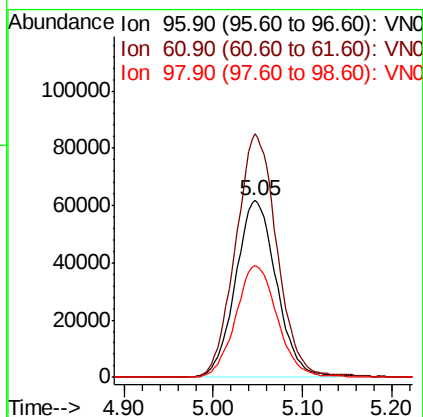
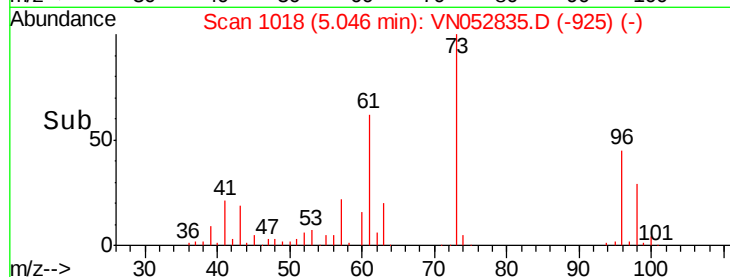
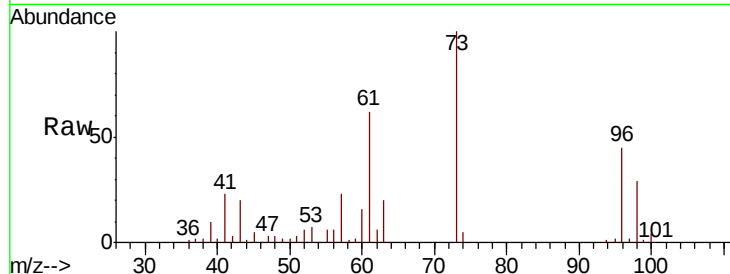




#21
trans-1,2-Dichloroethene
Concen: 19.720 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

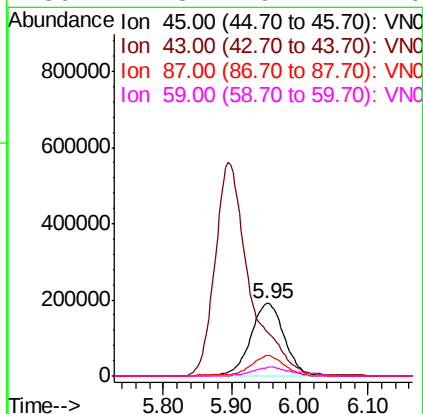
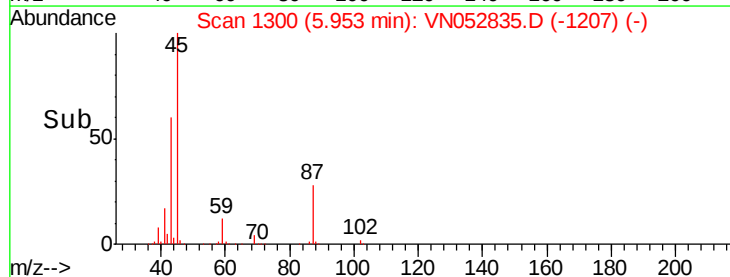
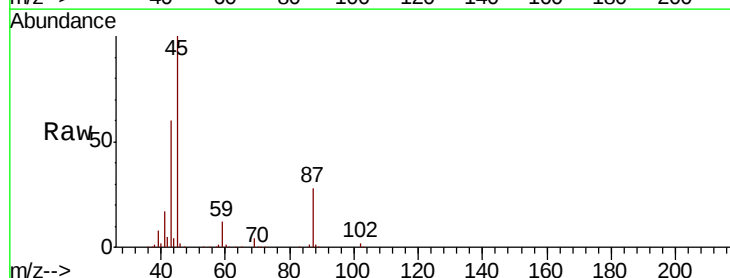
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

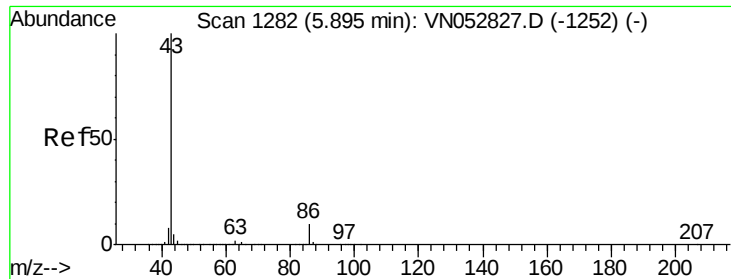
Tot Ion: 96 Resp: 196966
Ion Ratio Lower Upper
96 100
61 137.3 110.8 166.2
98 63.3 51.4 77.2



#22
Diisopropyl ether
Concen: 20.291 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion: 45 Resp: 651855
Ion Ratio Lower Upper
45 100
43 58.4 45.5 68.3
87 28.0 22.0 33.0
59 11.8 9.4 14.0

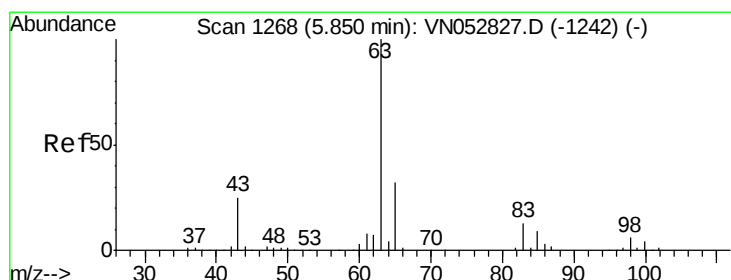
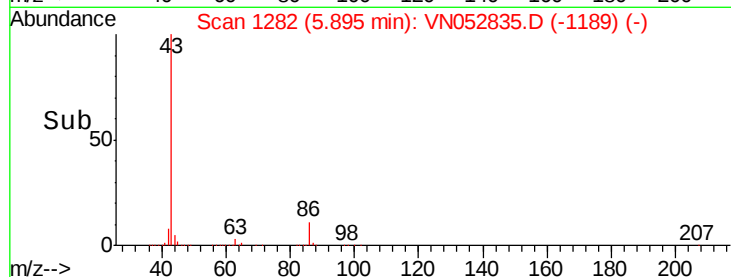
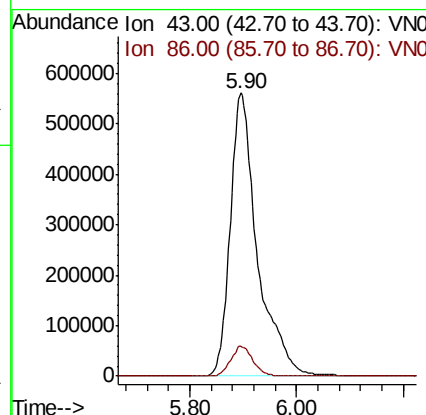
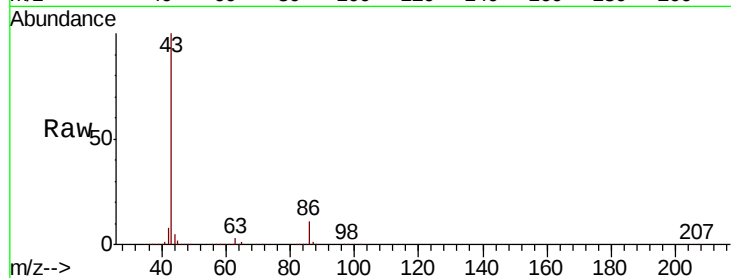




#23
 Vinyl Acetate
 Concen: 103.545 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

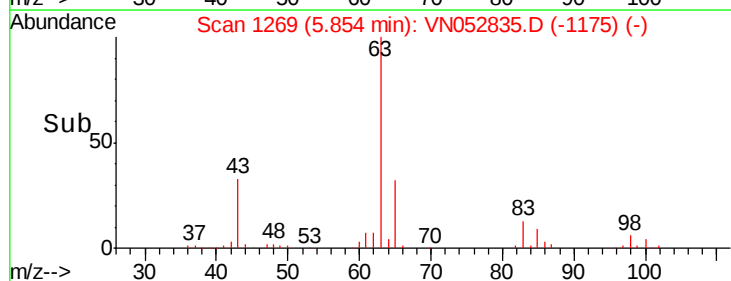
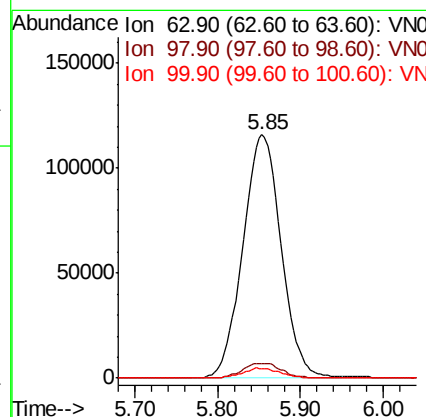
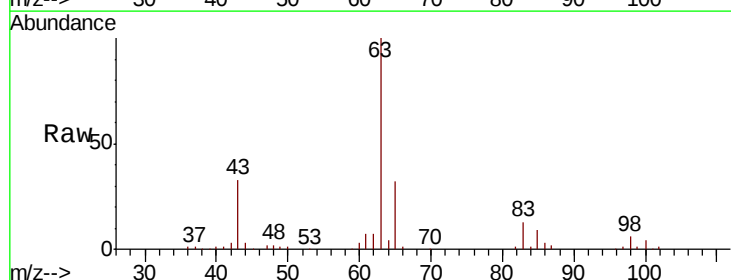
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

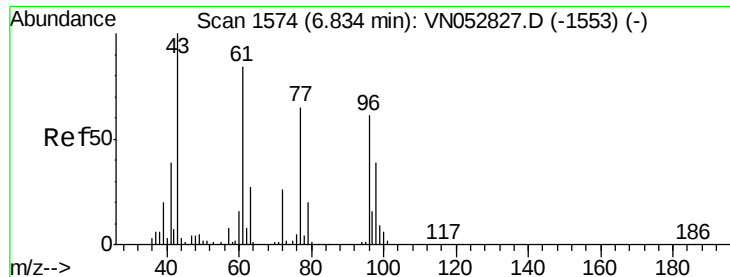
Tot Ion: 43 Resp: 1979311
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 20.054 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion: 63 Resp: 371504
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.1 9.4
 100 3.8 2.0 5.8

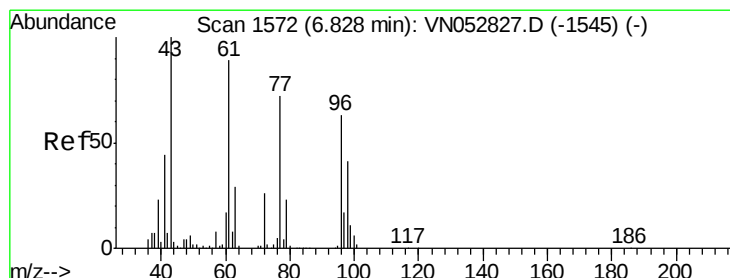
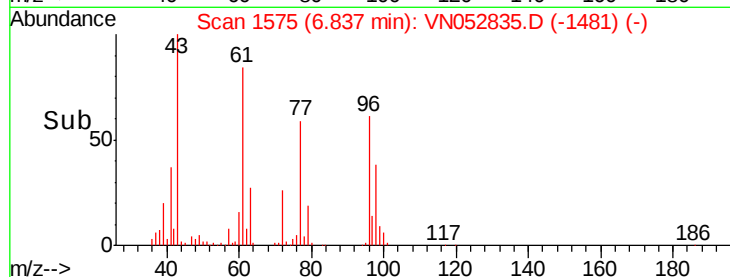
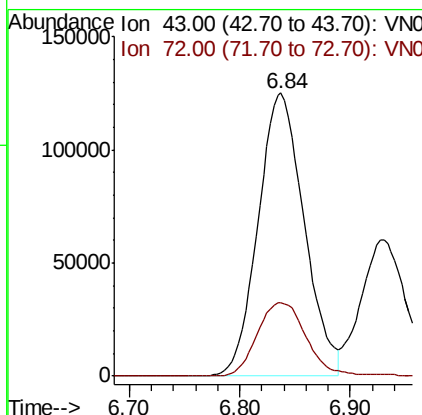
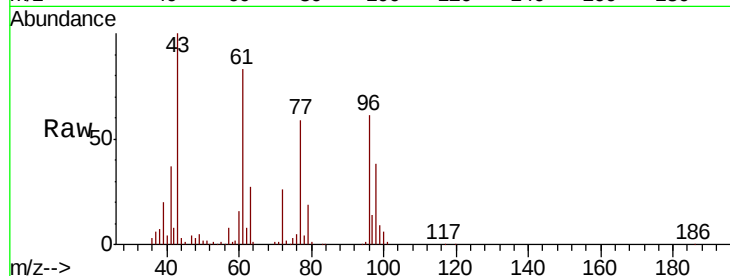




#25
2-Butanone
Concen: 97.184 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

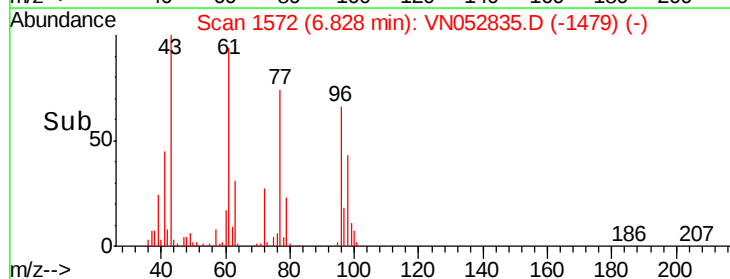
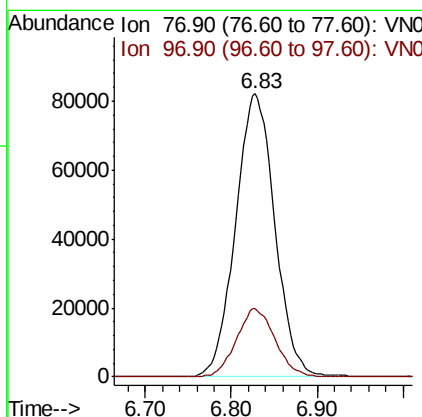
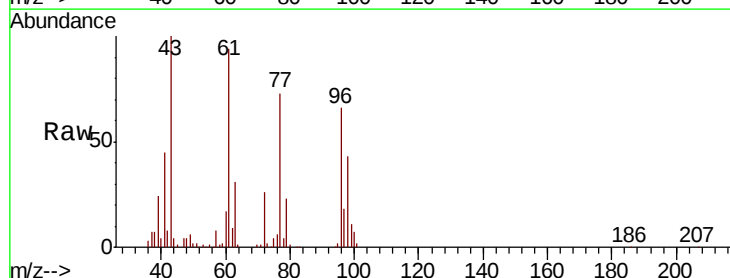
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

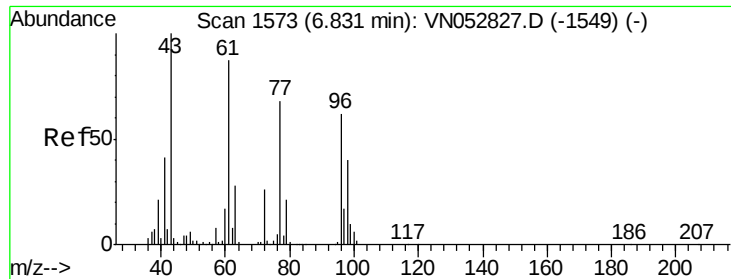
Tot Ion: 43 Resp: 361100
Ion Ratio Lower Upper
43 100
72 25.9 21.0 31.6



#26
2,2-Dichloropropane
Concen: 19.102 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion: 77 Resp: 260594
Ion Ratio Lower Upper
77 100
97 23.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.041 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

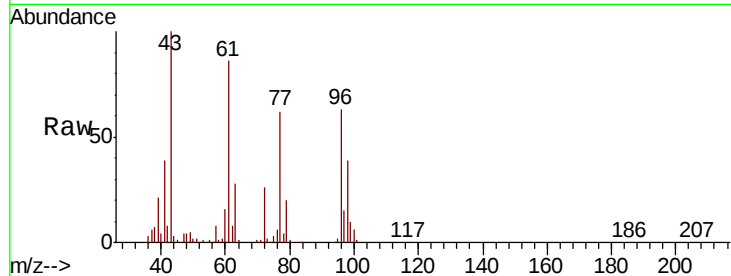
Tot Ion: 96 Resp: 227183

Ion Ratio Lower Upper

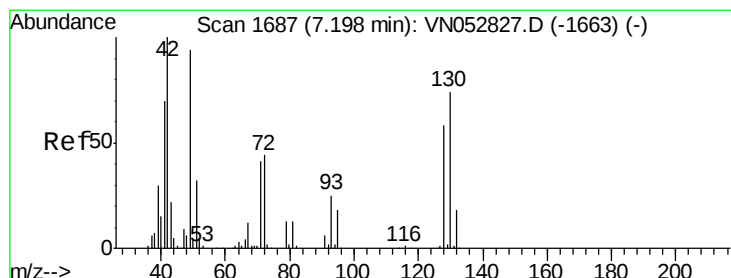
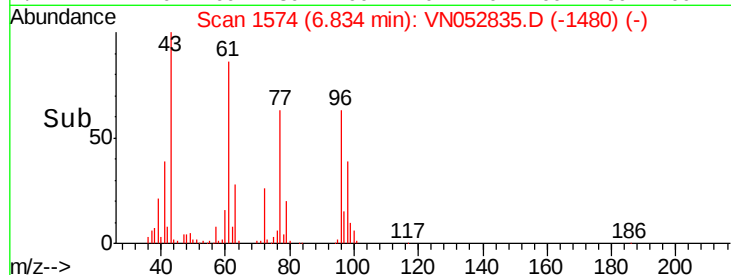
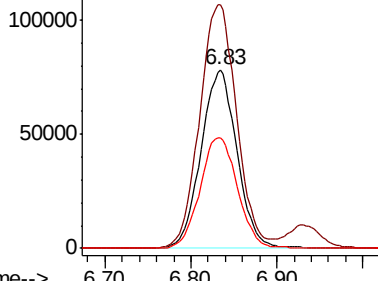
96 100

61 140.2 0.0 284.2

98 64.7 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#28

Bromochloromethane

Concen: 20.714 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

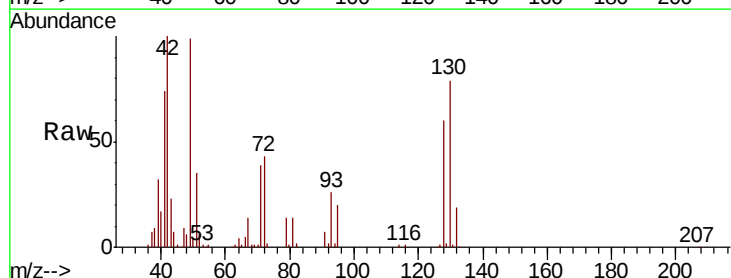
Tgt Ion: 49 Resp: 172317

Ion Ratio Lower Upper

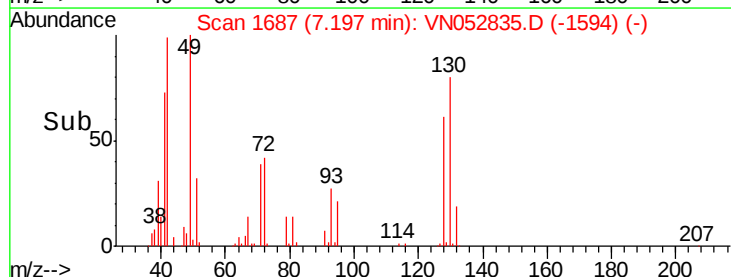
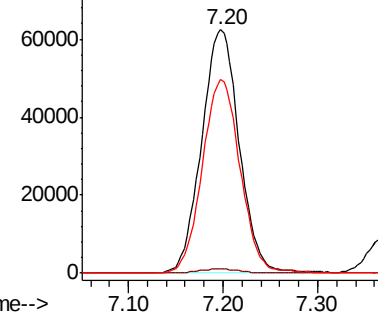
49 100

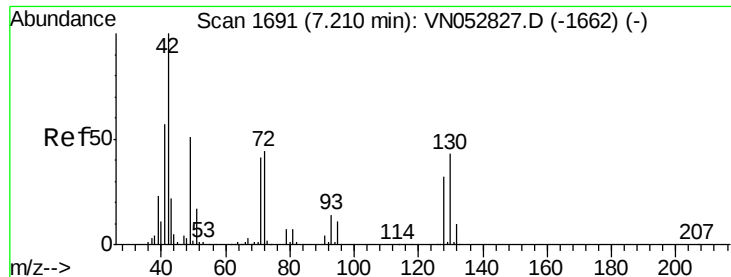
129 1.7 0.0 4.0

130 79.8 63.3 94.9



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.373 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

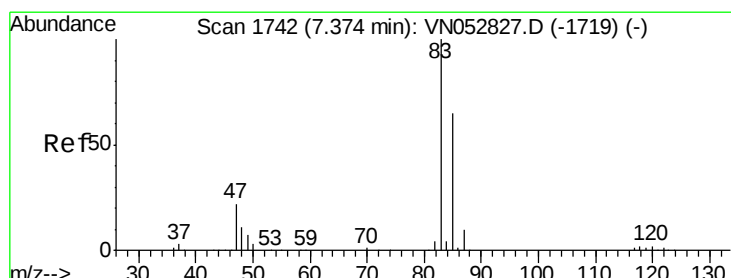
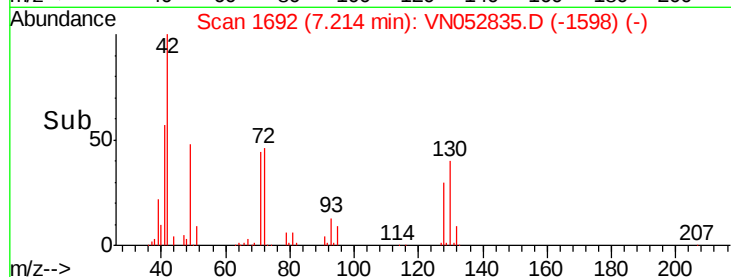
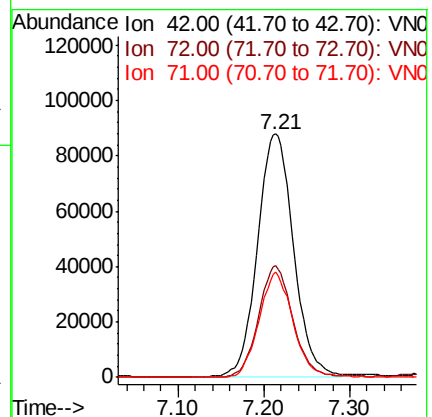
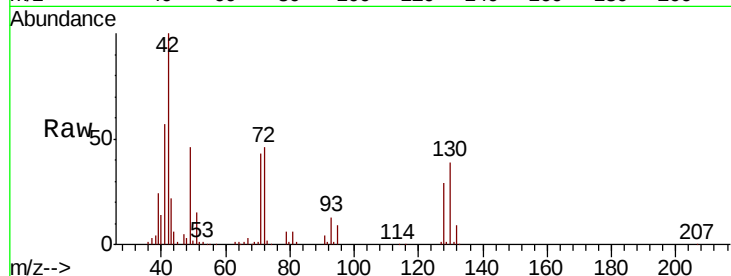
Tot Ion: 42 Resp: 257144

Ion Ratio Lower Upper

42 100

72 43.5 34.7 52.1

71 40.5 32.3 48.5



#30

Chloroform

Concen: 20.123 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN052835.D

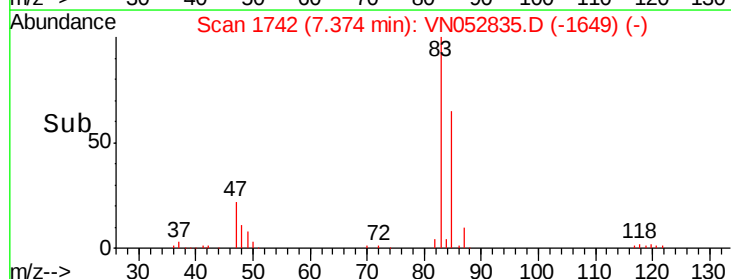
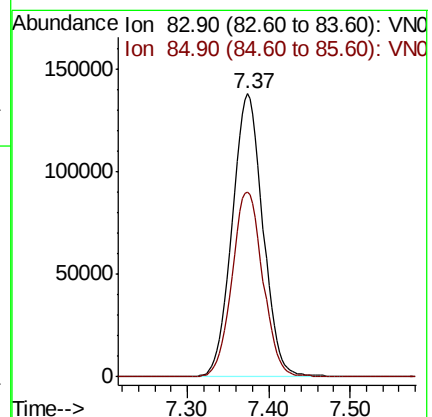
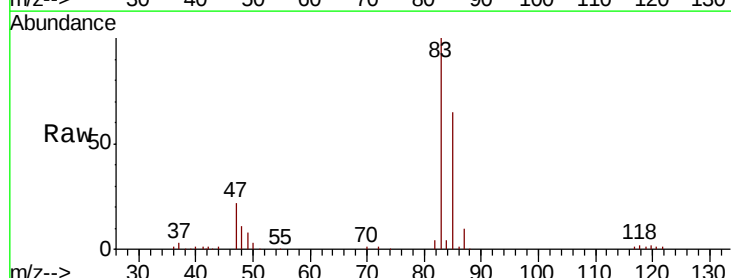
Acq: 12 Dec 2018 18:53

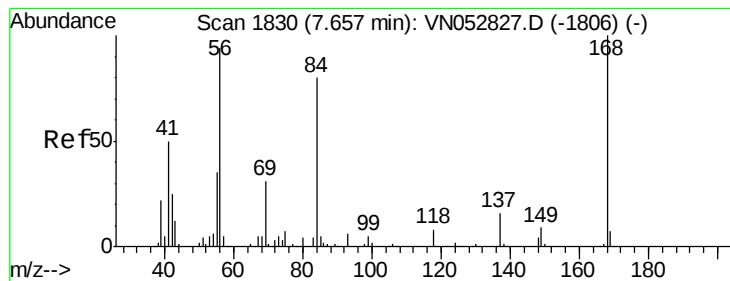
Tgt Ion: 83 Resp: 363535

Ion Ratio Lower Upper

83 100

85 65.2 52.1 78.1





#31

Cyclohexane

Concen: 19.656 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

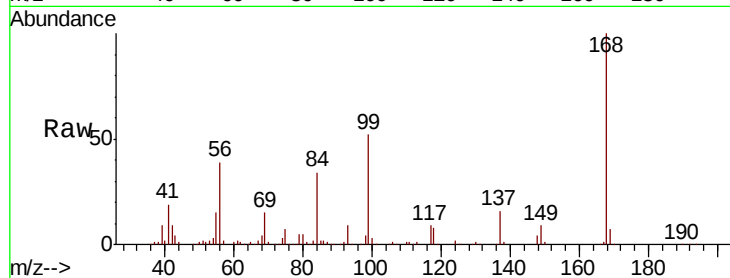
Tot Ion: 56 Resp: 361509

Ion Ratio Lower Upper

56 100

69 37.5 26.6 39.8

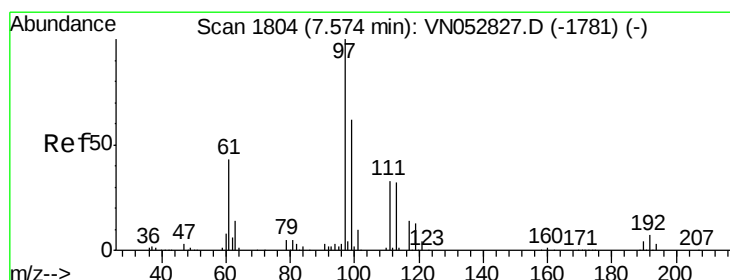
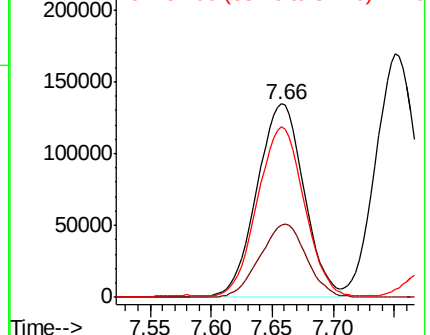
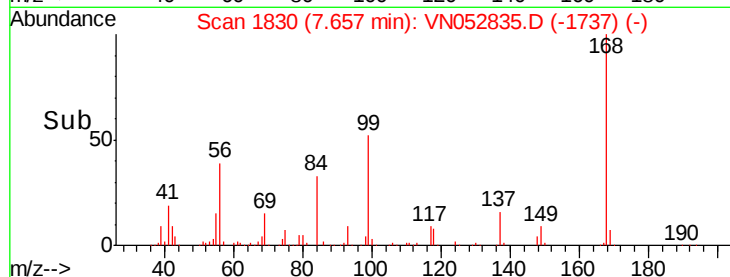
84 86.8 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN052835.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN052835.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN052835.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 19.956 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

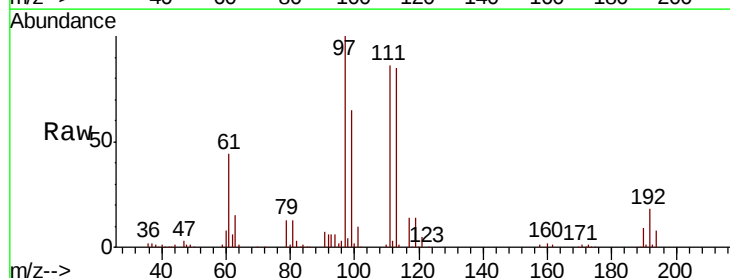
Tgt Ion: 97 Resp: 301638

Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

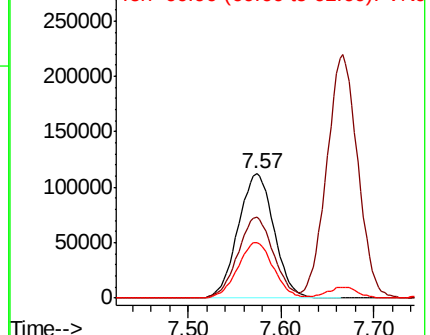
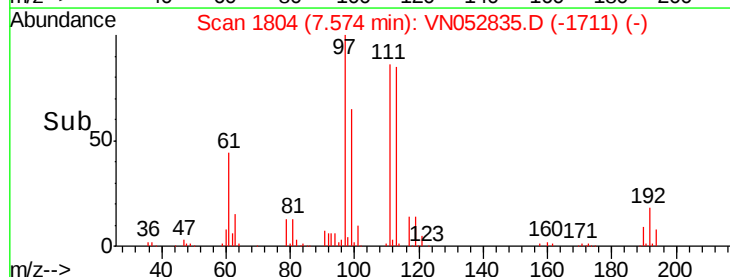
61 44.3 35.0 52.6

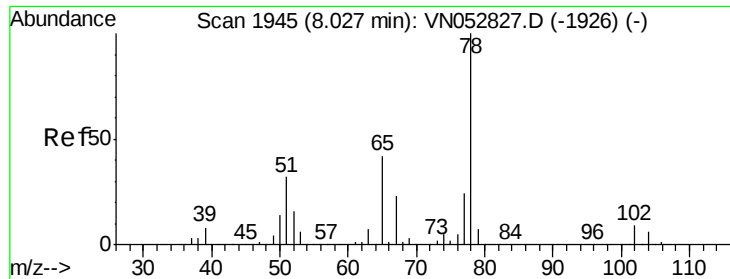


Abundance Ion 96.90 (96.60 to 97.60): VN052835.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN052835.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN052835.D (-1711) (-)

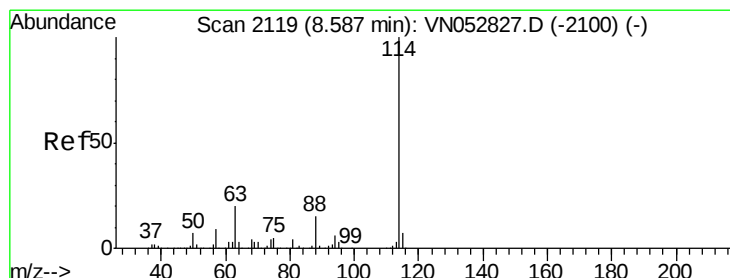
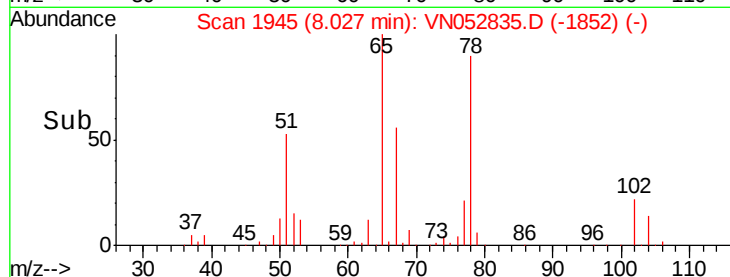
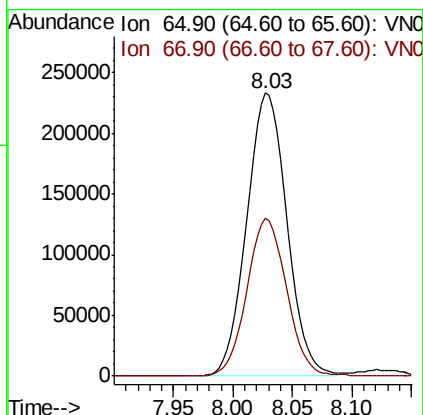
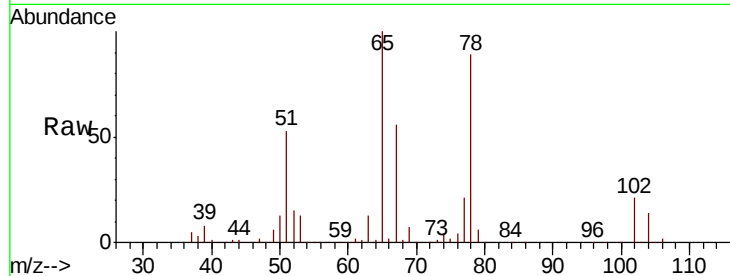




#33
 1,2-Dichloroethane-d4
 Concen: 19.956 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

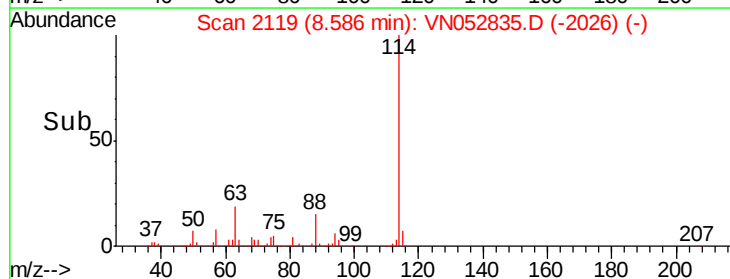
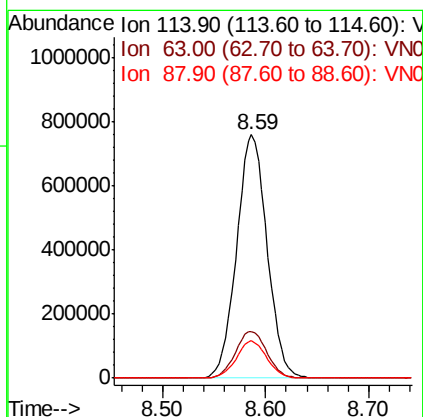
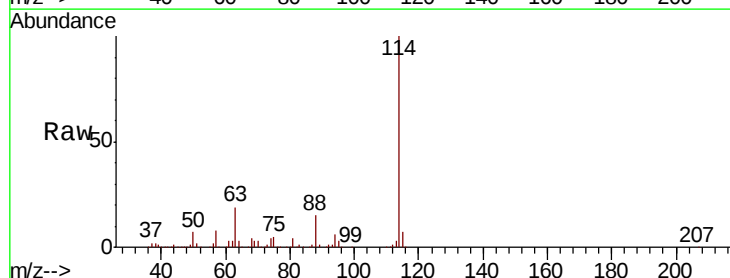
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

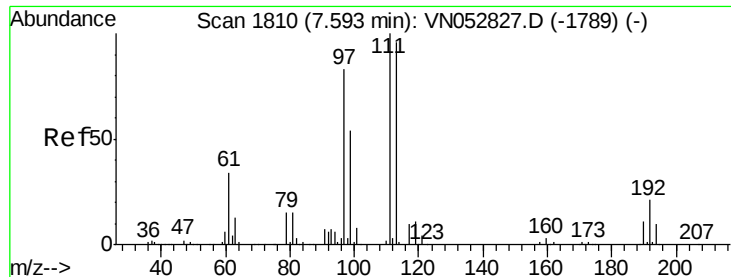
Tot Ion: 65 Resp: 546544
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion: 114 Resp: 1561619
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.2 0.0 31.0

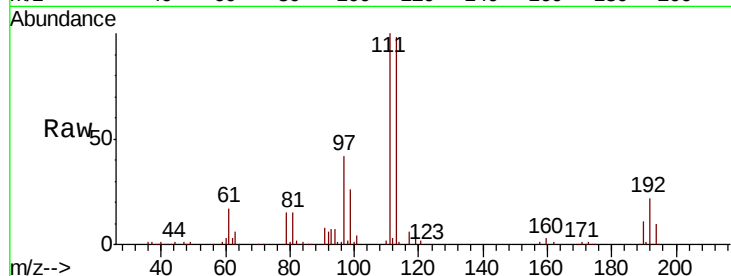




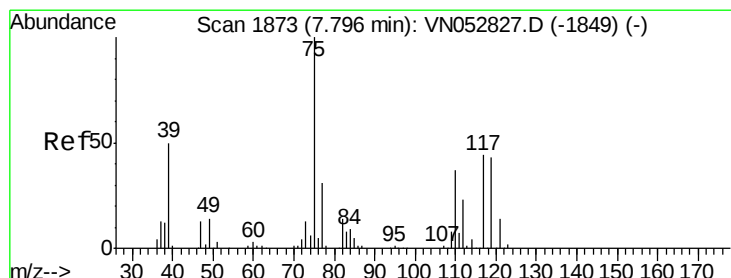
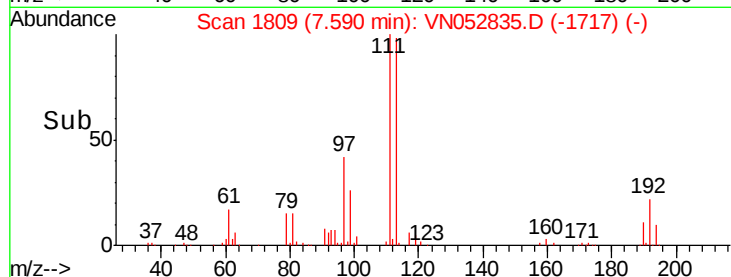
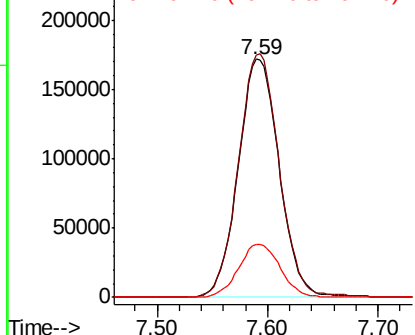
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.4
192	22.7	17.5	26.3

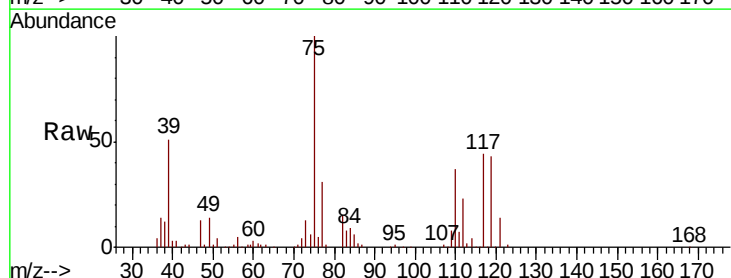


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

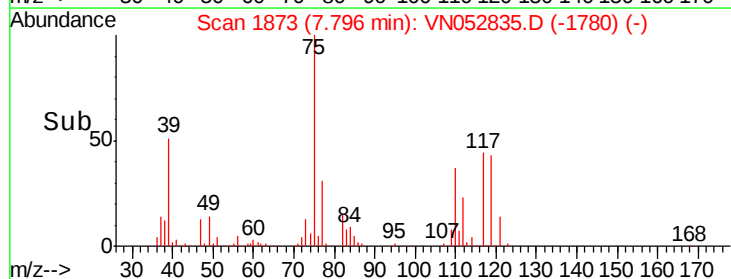
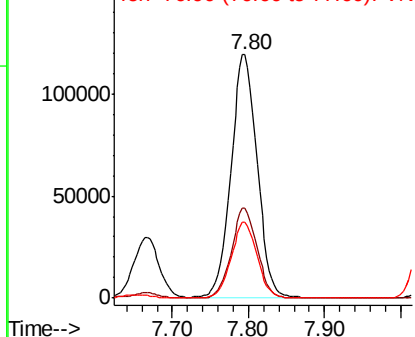


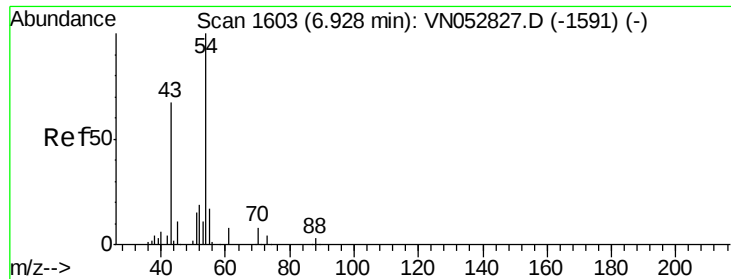
#36
 1,1-Dichloropropene
 Concen: 19.915 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.2	54.6
77	30.9	24.9	37.3



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

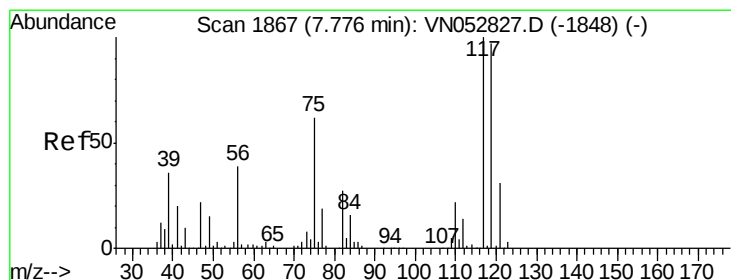
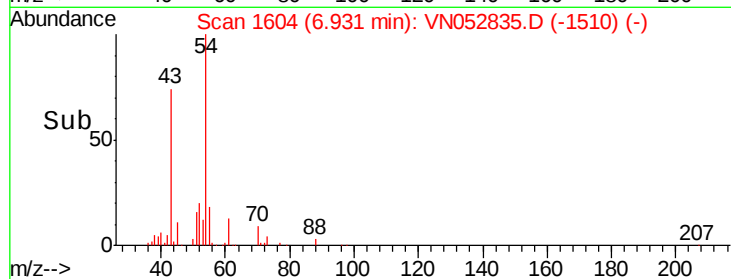
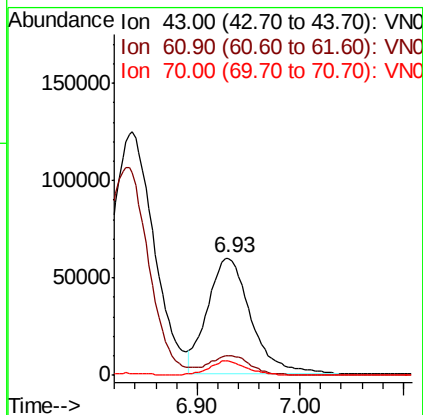
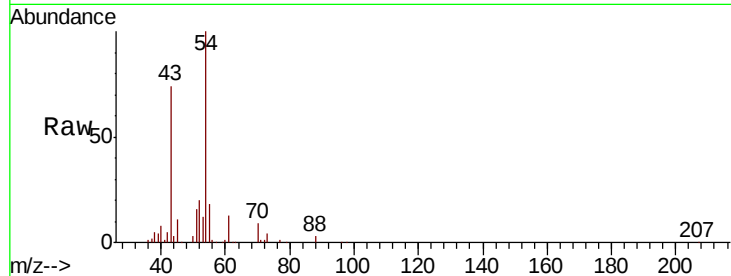




#37
Ethyl Acetate
Concen: 20.094 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

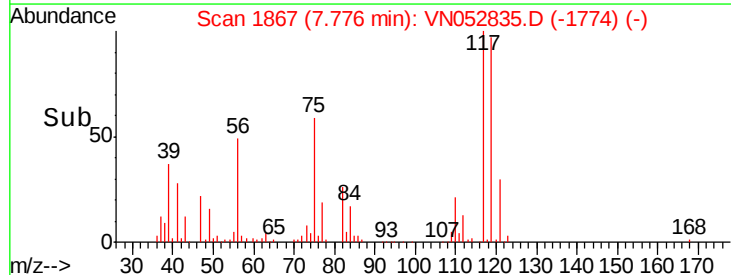
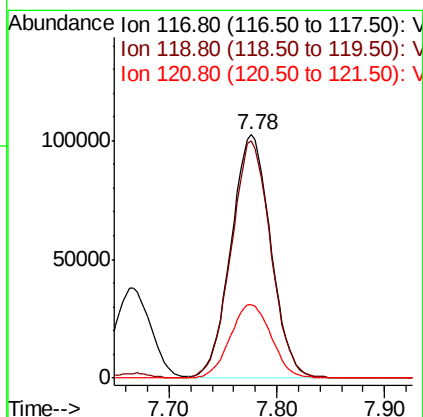
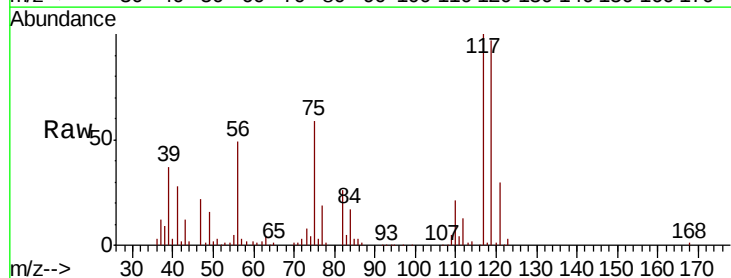
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

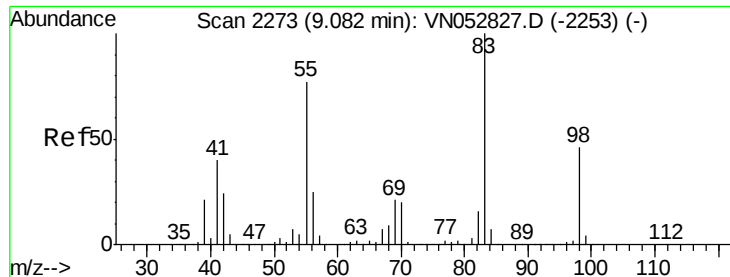
Tot Ion: 43 Resp: 173591
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 11.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.800 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion: 117 Resp: 262084
Ion Ratio Lower Upper
117 100
119 97.2 77.1 115.7
121 30.0 24.9 37.3

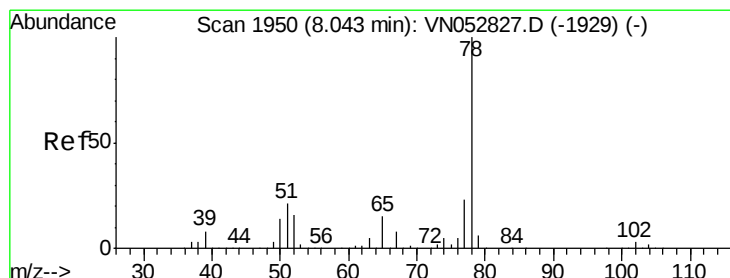
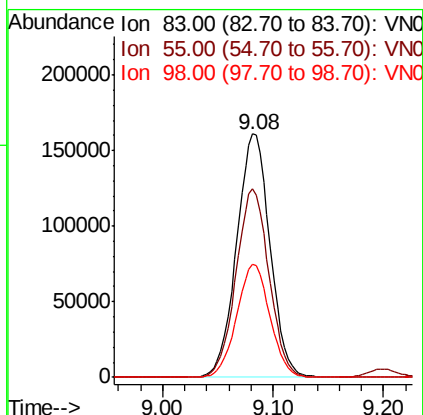
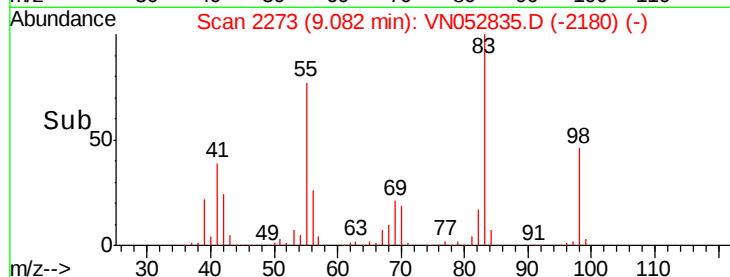
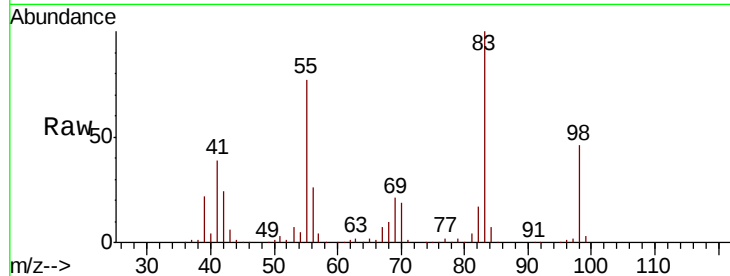




#39
Methvlcvclohexane
Concen: 19.057 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

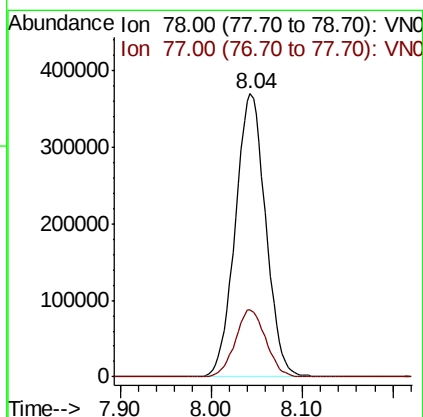
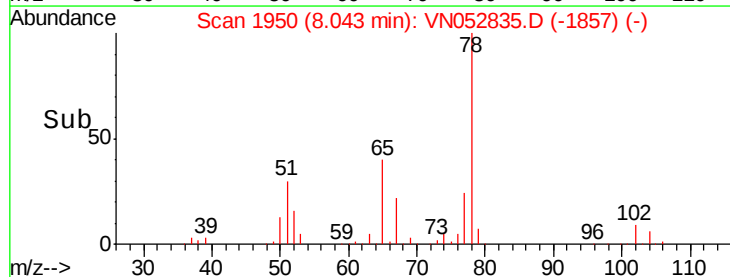
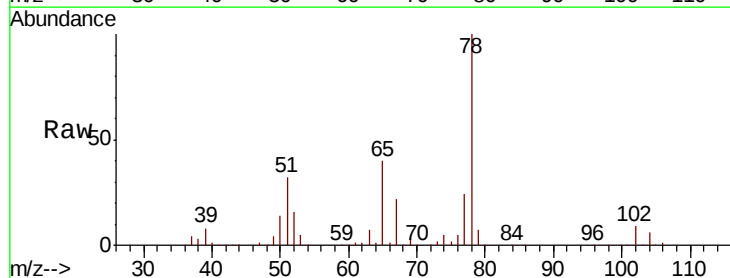
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

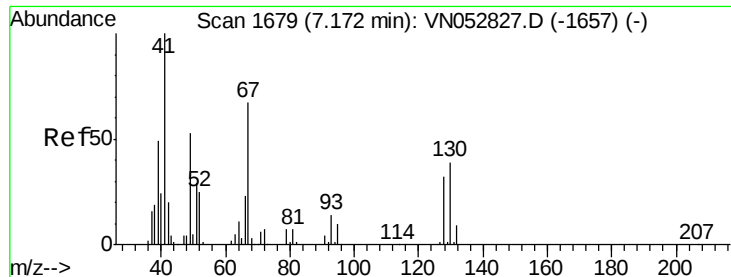
Tot Ion: 83 Resp: 336309
Ion Ratio Lower Upper
83 100
55 77.4 61.3 91.9
98 46.5 37.0 55.4



#40
Benzene
Concen: 19.928 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion: 78 Resp: 860129
Ion Ratio Lower Upper
78 100
77 23.7 18.5 27.7

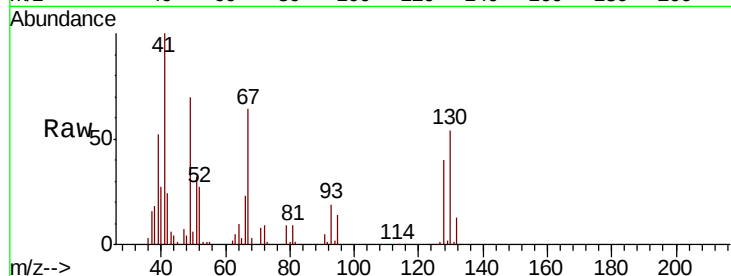




#41
Methacrylonitrile
Concen: 20.062 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion:	41	Resp:	96027
Ion	Ratio	Lower	Upper
41	100		
39	60.4	48.0	72.0
67	84.0	70.3	105.5
52	33.8	26.9	40.3



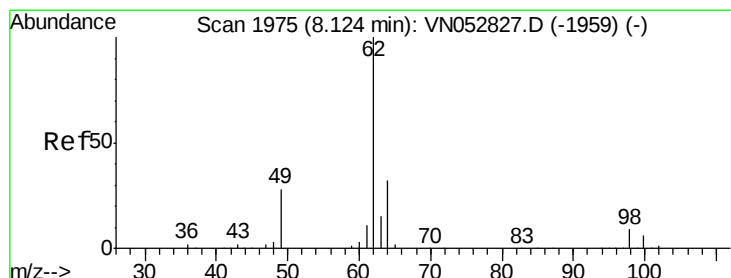
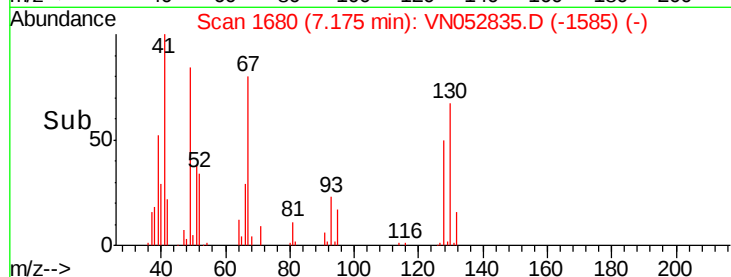
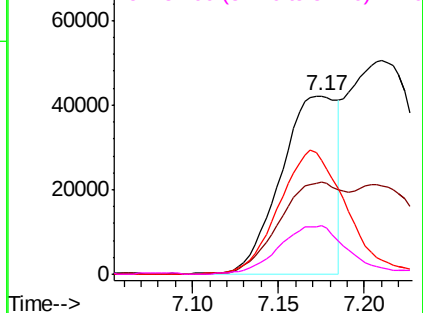
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

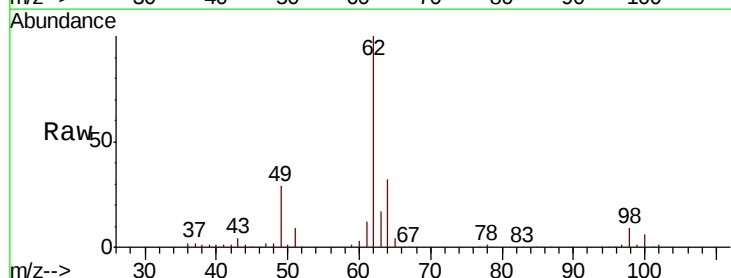
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 20.227 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

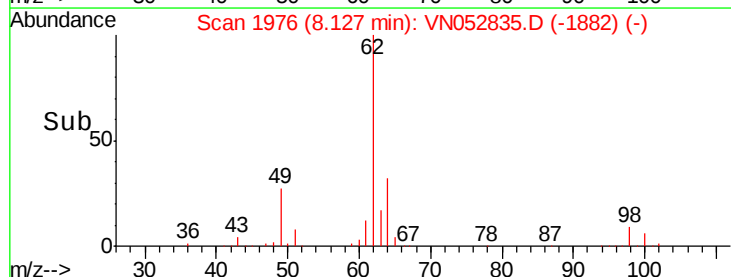
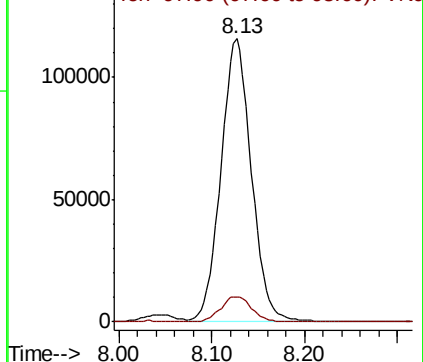
Tgt Ion:	62	Resp:	262831
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.0

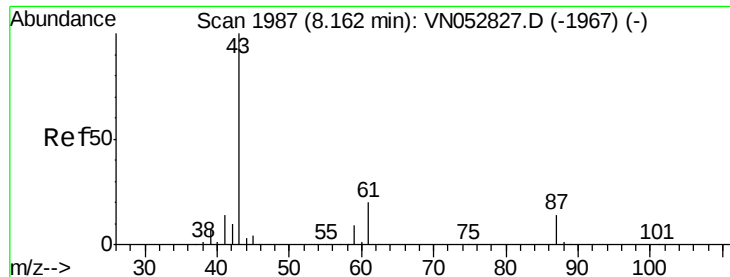


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 18.338 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

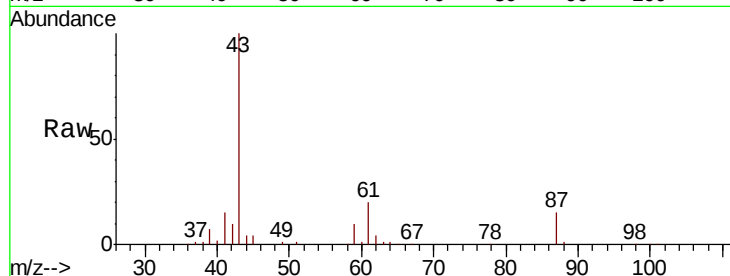
Tot Ion: 43 Resp: 324799

Ion Ratio Lower Upper

43 100

61 19.3 22.9 34.3#

87 13.1 10.6 15.8

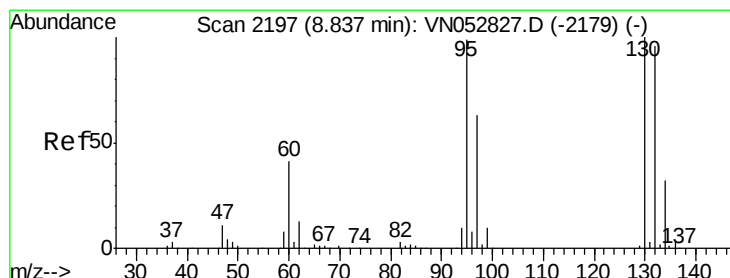
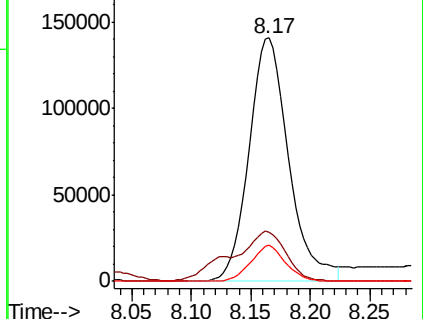
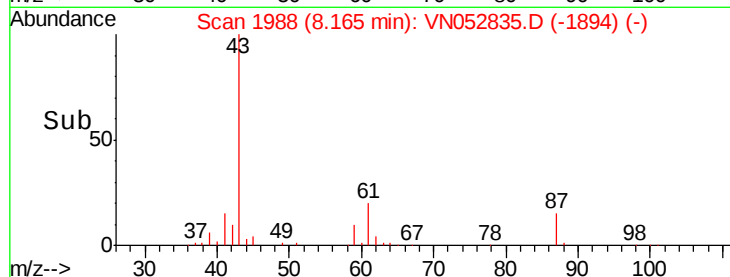


Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 19.570 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052835.D

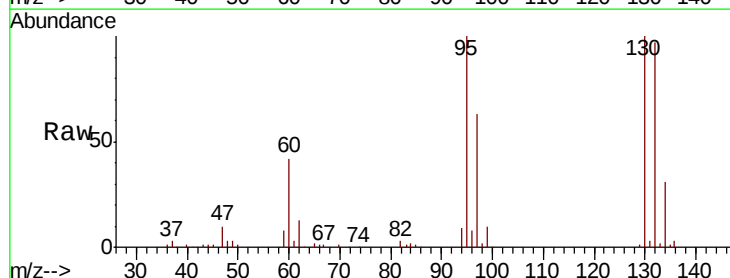
Acq: 12 Dec 2018 18:53

Tgt Ion: 130 Resp: 228153

Ion Ratio Lower Upper

130 100

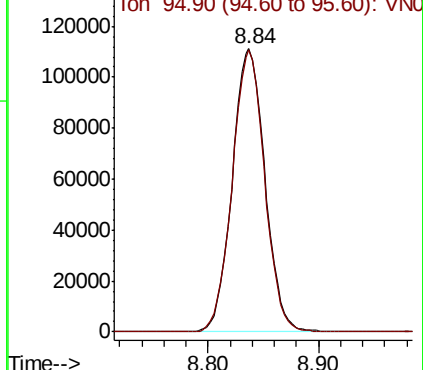
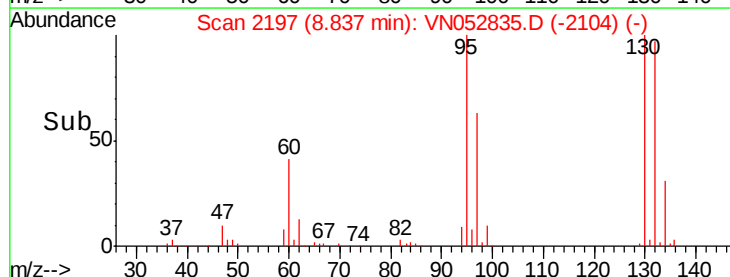
95 99.6 0.0 197.8

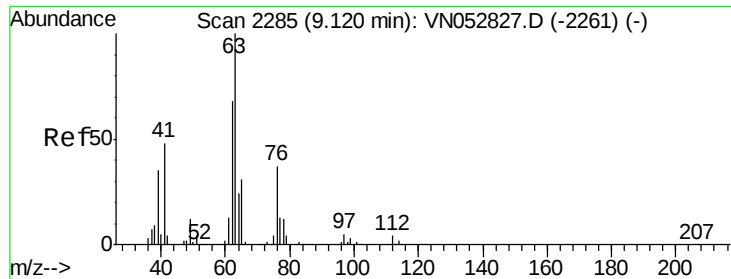


Abundance Ion 129.80 (129.50 to 130.50): VN052827.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052827.D (-2179) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 19.826 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

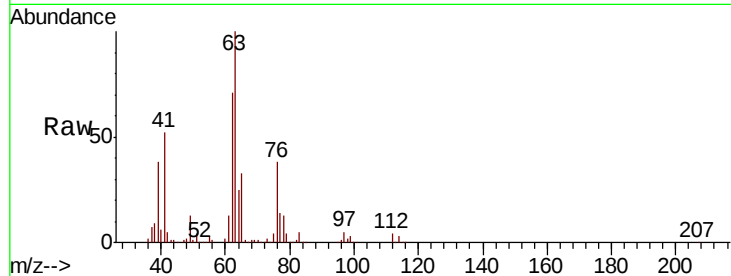
VN1212WBSD02

Tot Ion: 63 Resp: 224128

Ion Ratio Lower Upper

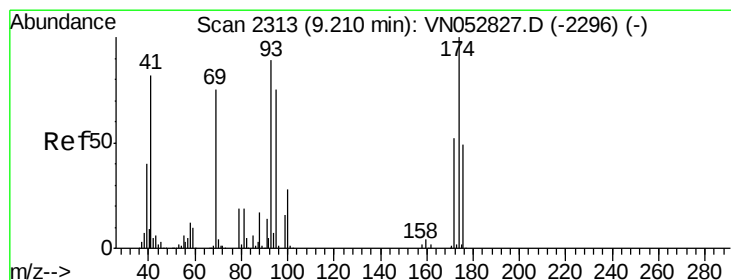
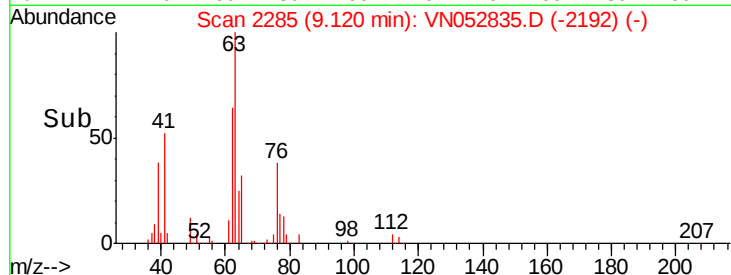
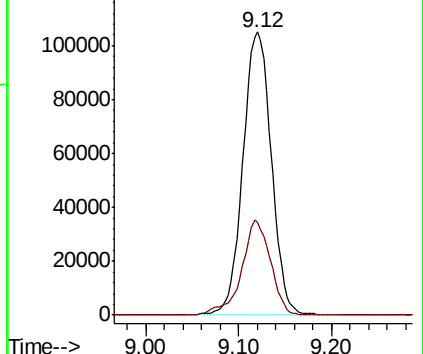
63 100

65 32.9 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.147 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

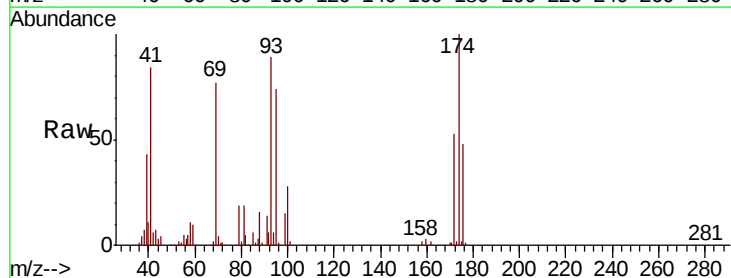
Tgt Ion: 93 Resp: 132090

Ion Ratio Lower Upper

93 100

95 82.8 67.8 101.6

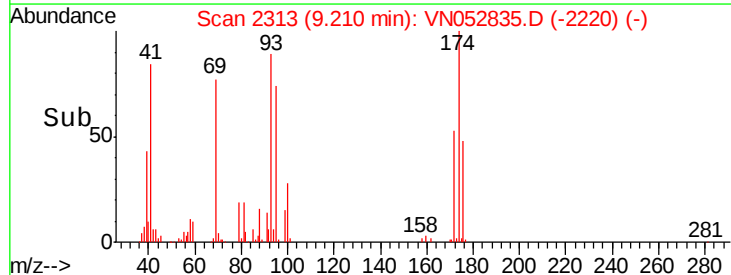
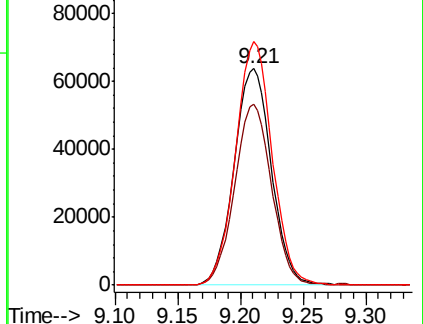
174 110.4 89.0 133.4

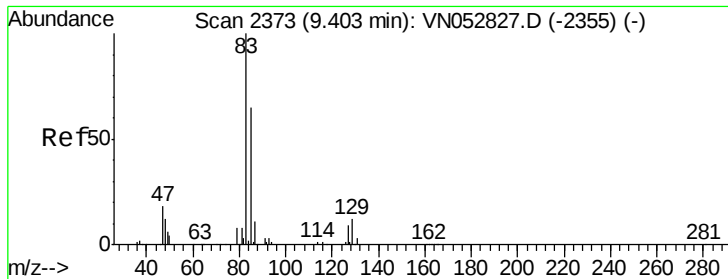


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.962 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

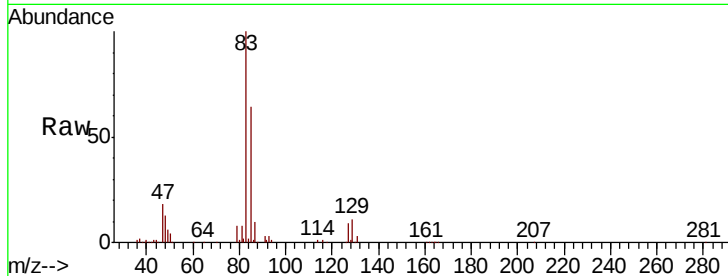
Tot Ion: 83 Resp: 271398

Ion Ratio Lower Upper

83 100

85 63.8 51.6 77.4

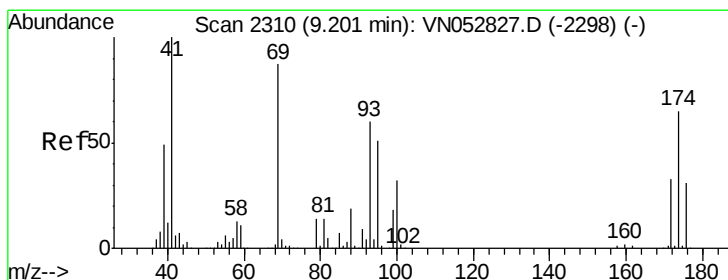
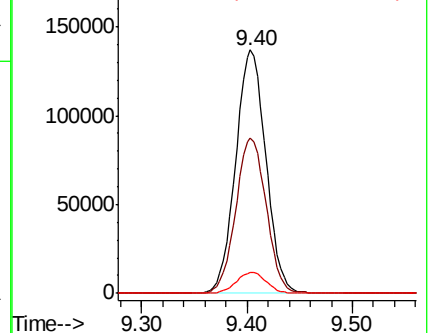
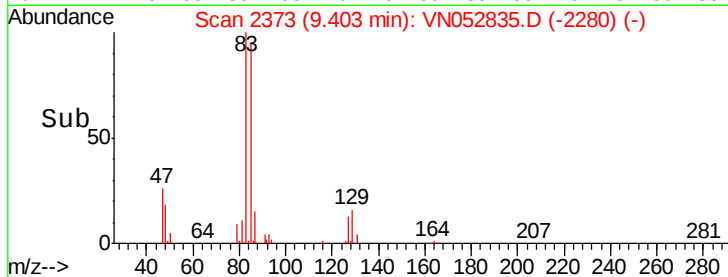
127 8.7 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052835.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052835.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052835.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.258 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

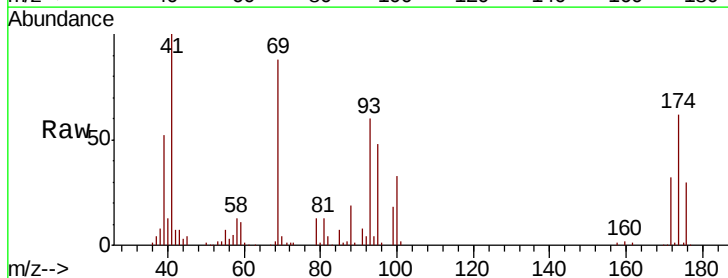
Tgt Ion: 41 Resp: 157353

Ion Ratio Lower Upper

41 100

69 92.0 72.2 108.2

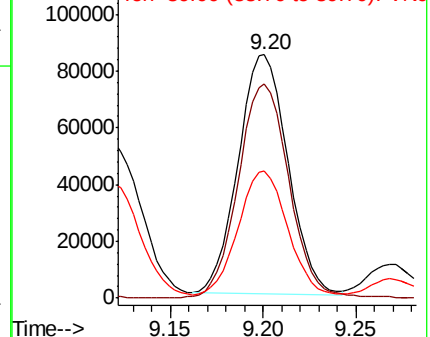
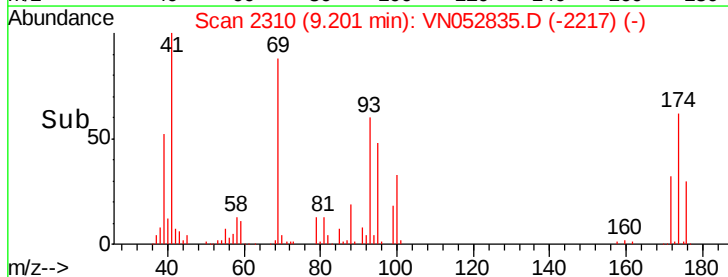
39 53.9 41.9 62.9

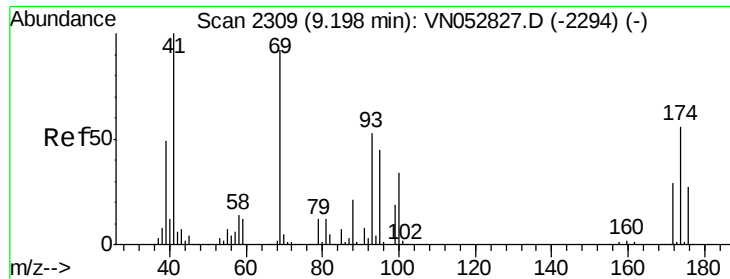


Abundance Ion 41.00 (40.70 to 41.70): VN052835.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN052835.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN052835.D (-2217) (-)





#49

1,4-Dioxane

Concen: 365.860 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

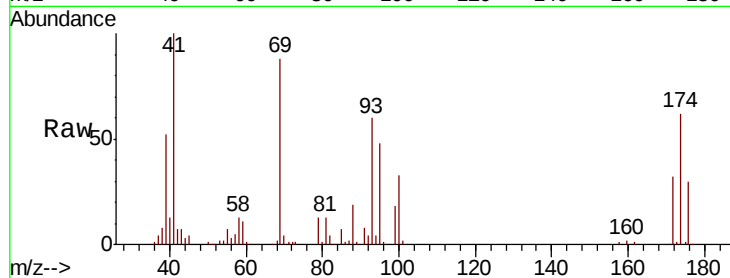
Tot Ion: 88 Resp: 32257

Ion Ratio Lower Upper

88 100

43 38.3 26.6 40.0

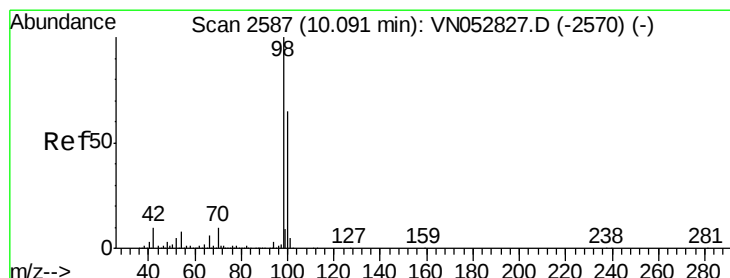
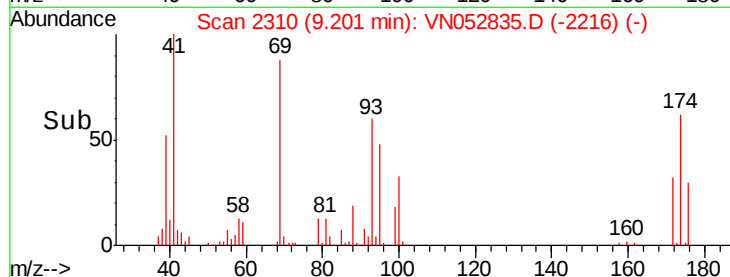
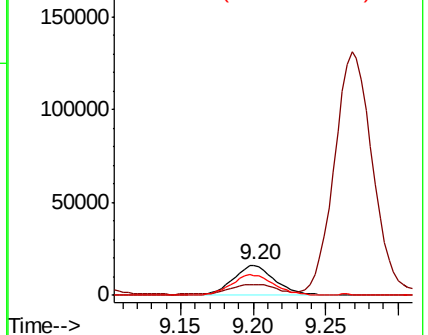
58 70.8 58.4 87.6



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: 365.860 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052835.D

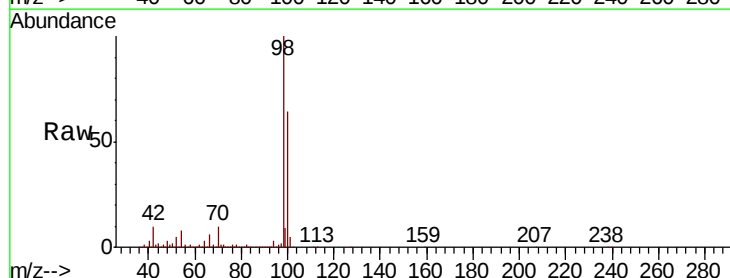
Acq: 12 Dec 2018 18:53

Tgt Ion: 98 Resp: 1916675

Ion Ratio Lower Upper

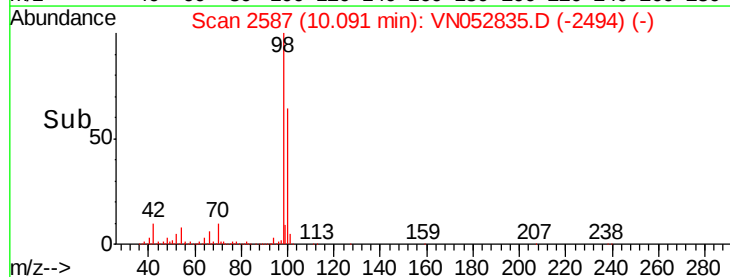
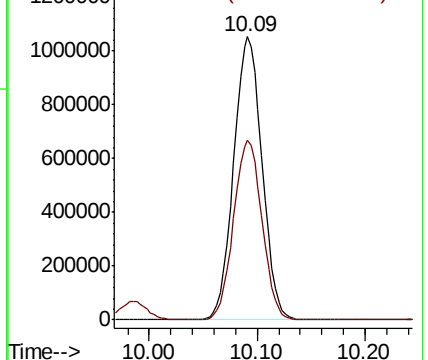
98 100

100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

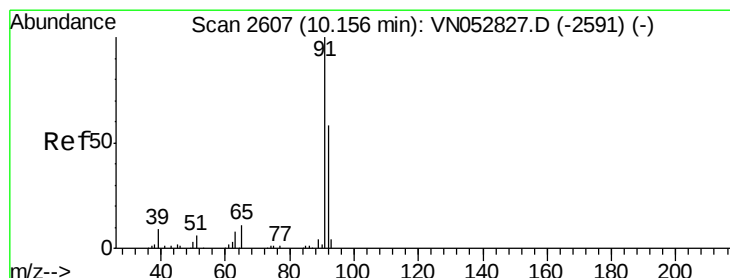
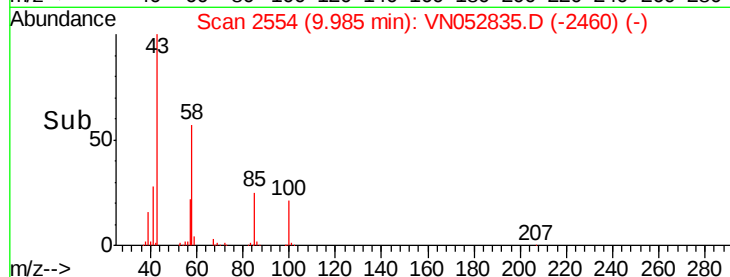
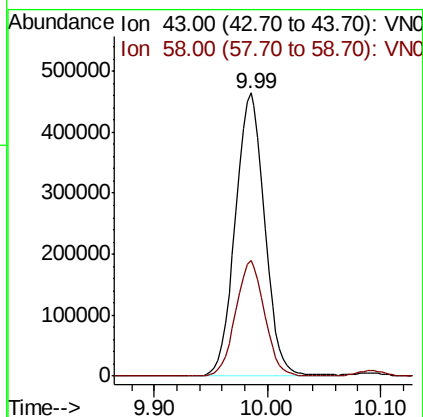
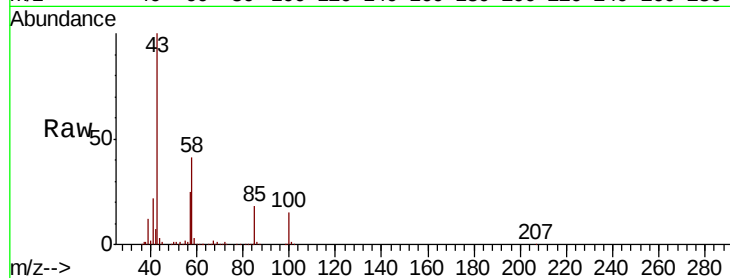




#51
 4-Methyl-2-Pentanone
 Concen: 103.132 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

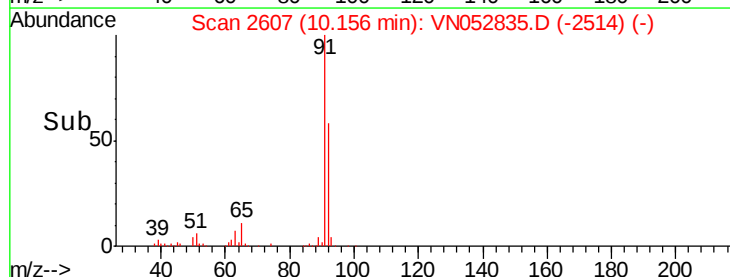
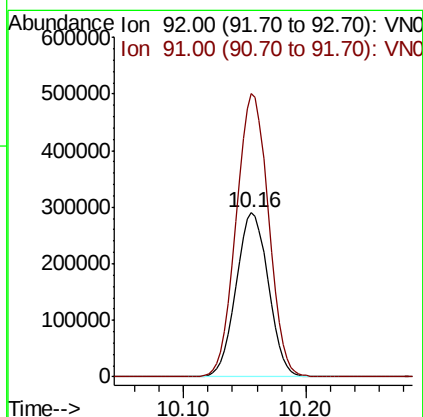
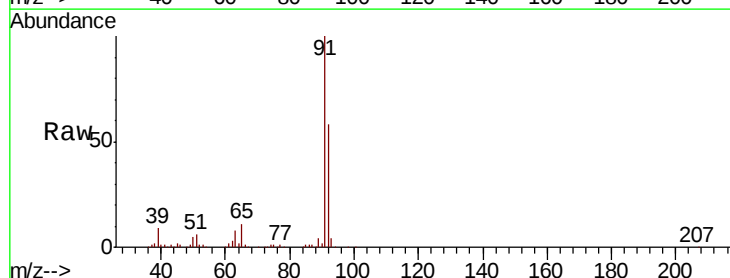
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1212WBSD02

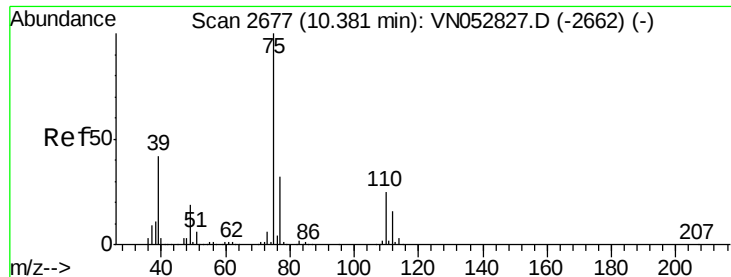
Tot Ion: 43 Resp: 837609
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.2 48.4



#52
 Toluene
 Concen: 20.260 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion: 92 Resp: 529622
 Ion Ratio Lower Upper
 92 100
 91 173.3 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 19.759 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

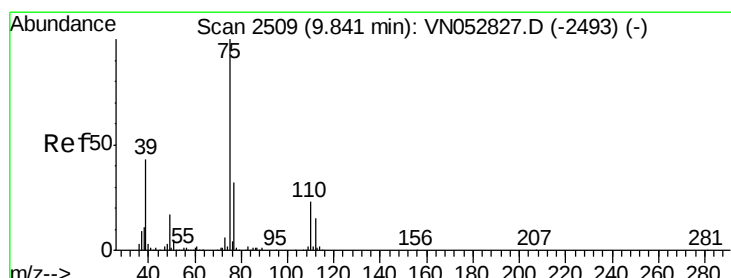
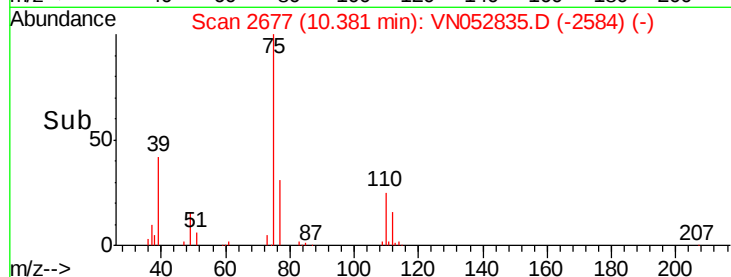
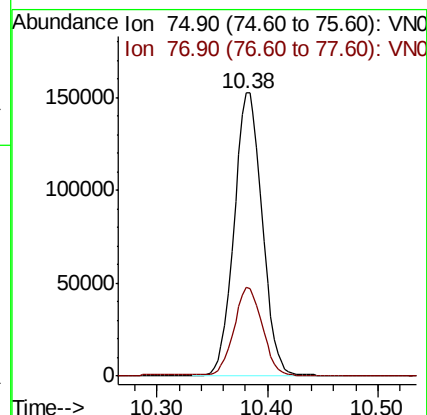
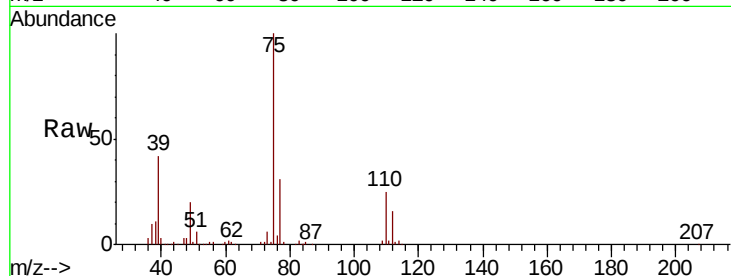
VN1212WBSD02

Tot Ion: 75 Resp: 270324

Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 19.509 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

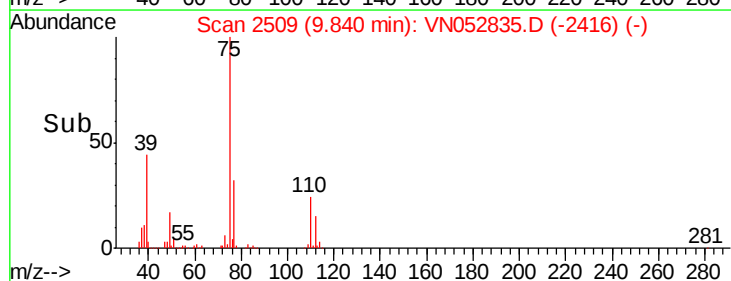
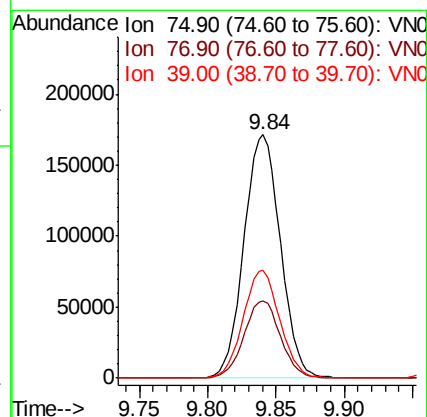
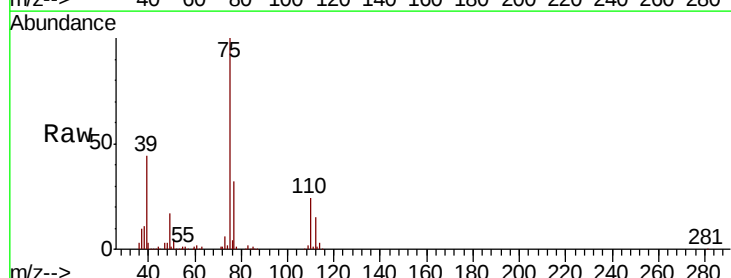
Tgt Ion: 75 Resp: 318048

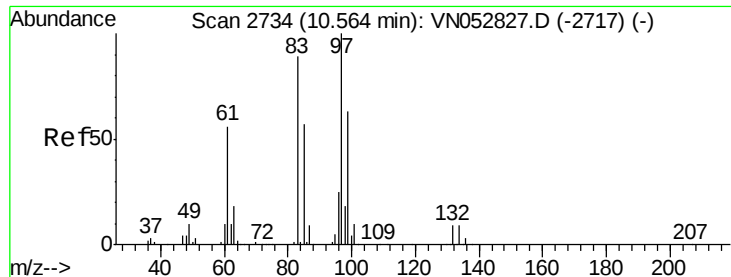
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

39 44.1 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 19.958 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

Tot Ion: 97 Resp: 186236

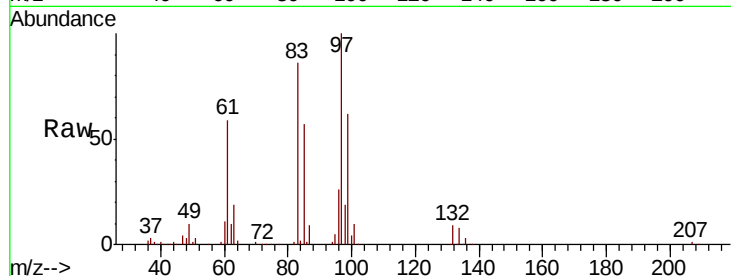
Ion Ratio Lower Upper

97 100

83 86.4 70.9 106.3

85 57.5 45.4 68.2

99 61.9 50.4 75.6



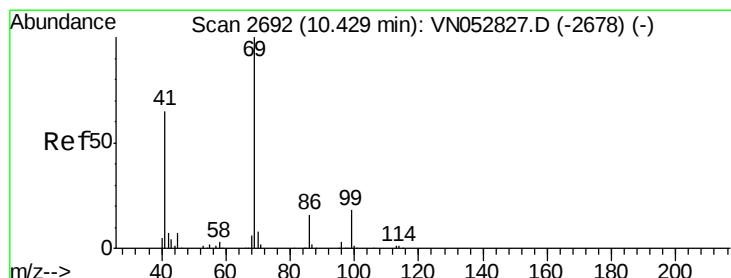
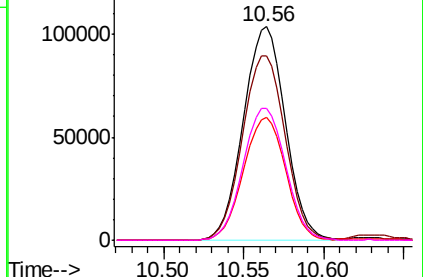
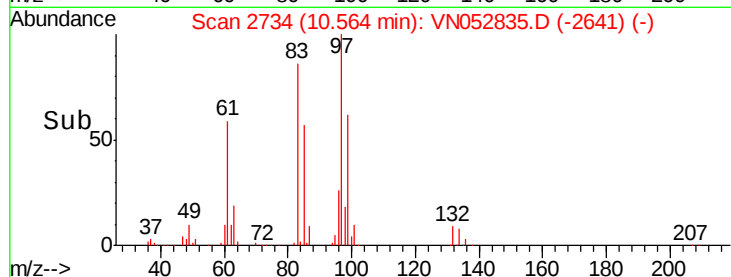
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 20.131 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

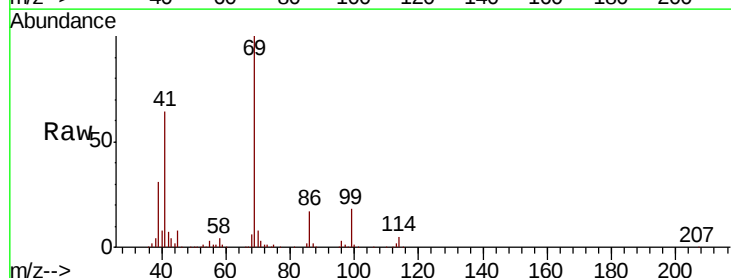
Tgt Ion: 69 Resp: 241084

Ion Ratio Lower Upper

69 100

41 64.5 51.7 77.5

39 31.2 24.6 37.0

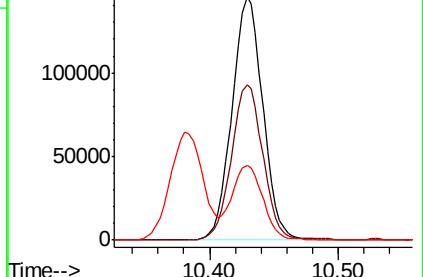
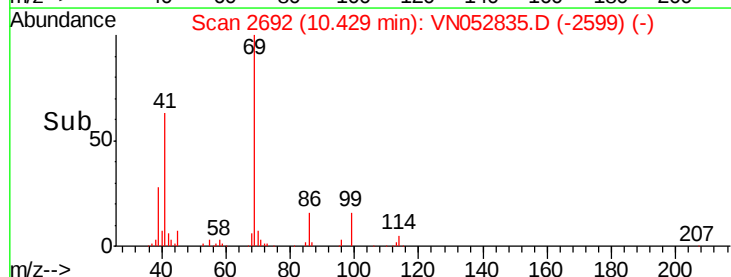


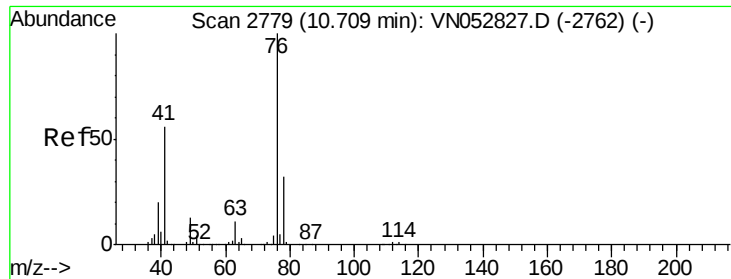
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.157 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

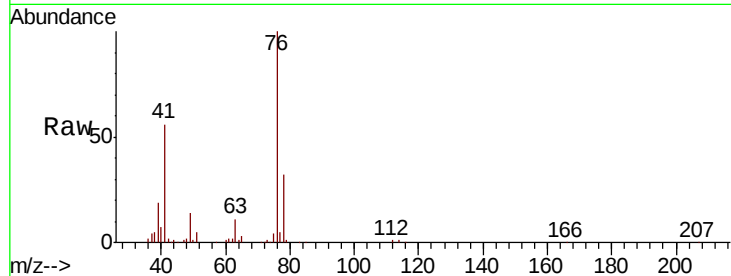
VN1212WBSD02

Tot Ion: 76 Resp: 322549

Ion Ratio Lower Upper

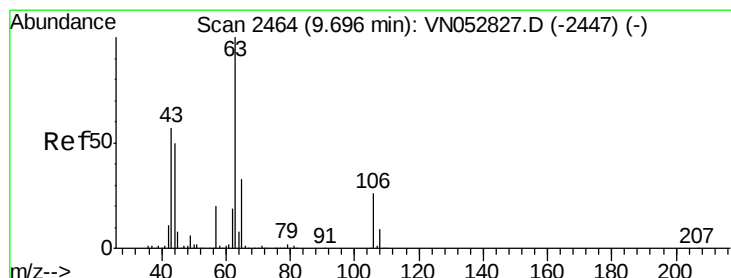
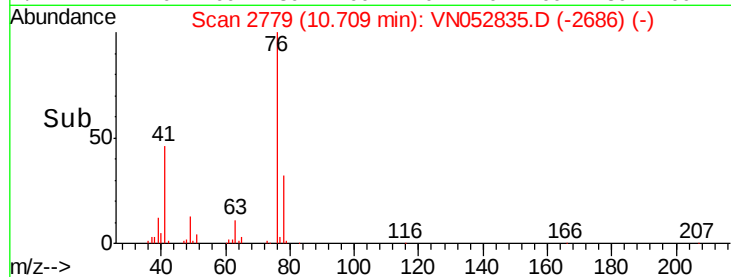
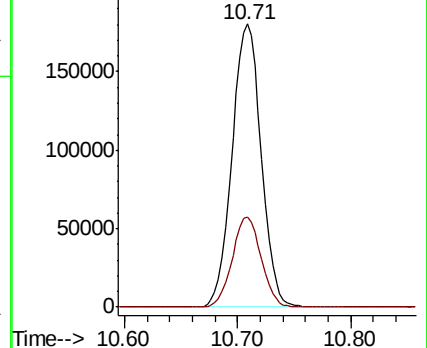
76 100

78 31.8 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 100.592 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052835.D

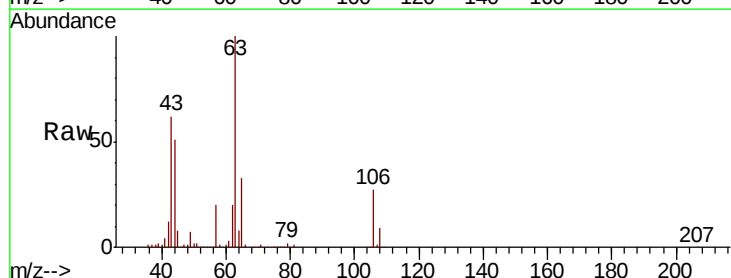
Acq: 12 Dec 2018 18:53

Tgt Ion: 63 Resp: 672171

Ion Ratio Lower Upper

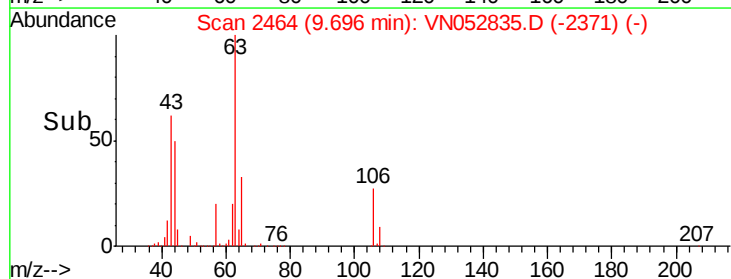
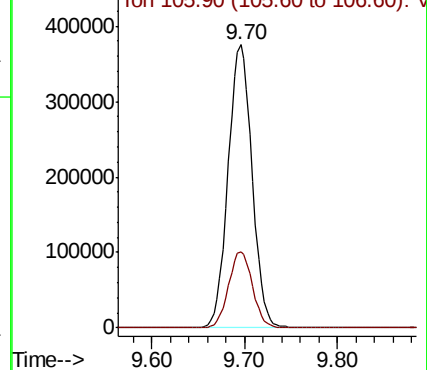
63 100

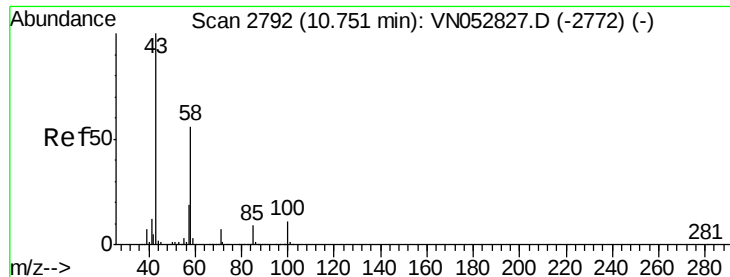
106 26.9 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

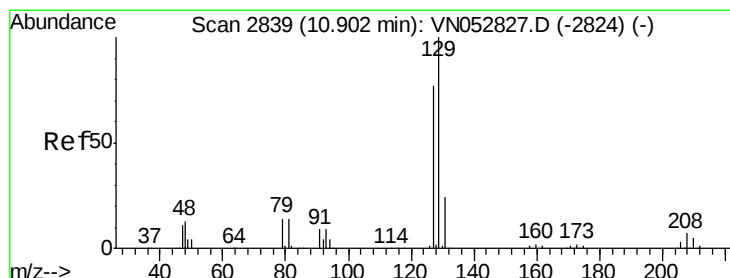
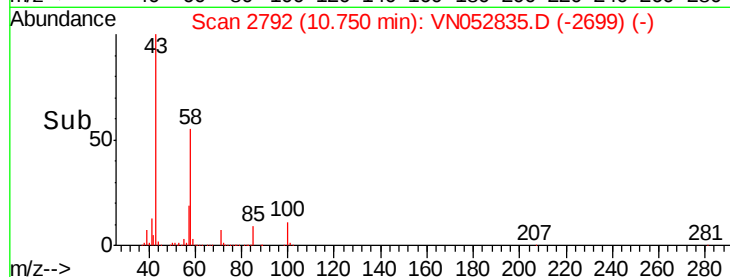
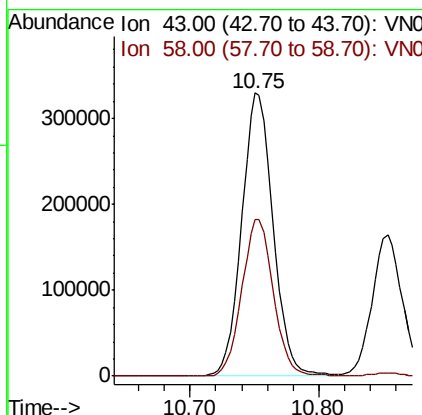
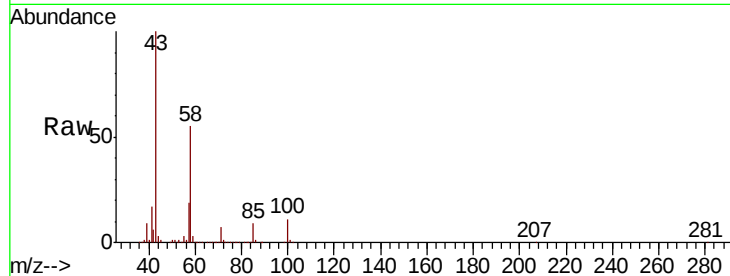




#59
2-Hexanone
Concen: 99.978 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

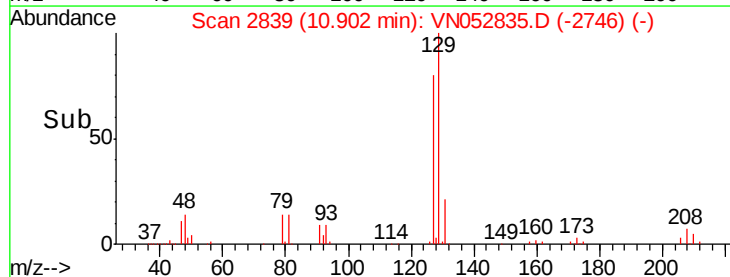
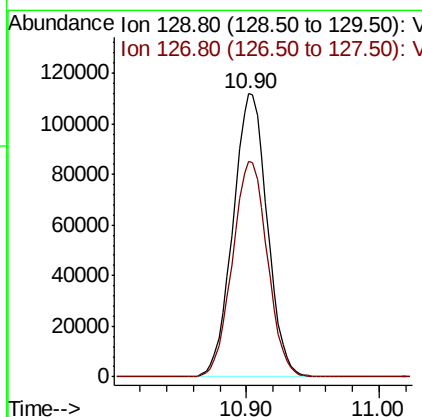
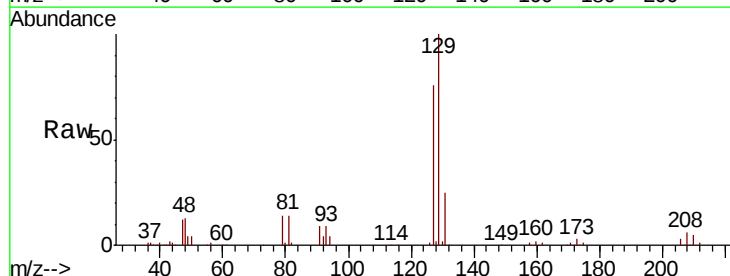
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

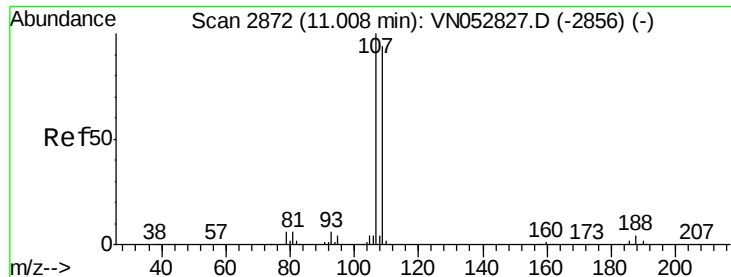
Tot Ion: 43 Resp: 556471
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.3



#60
Dibromochloromethane
Concen: 19.887 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion: 129 Resp: 200564
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0

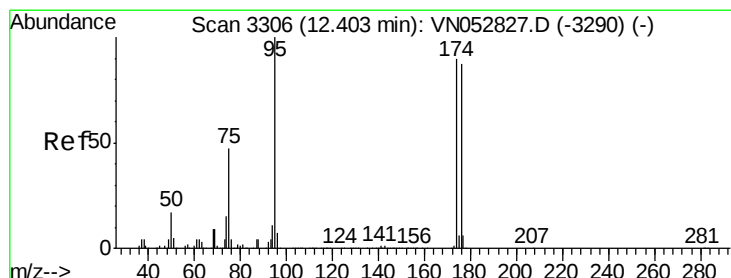
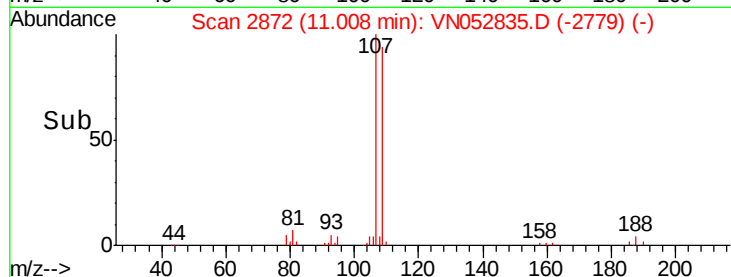
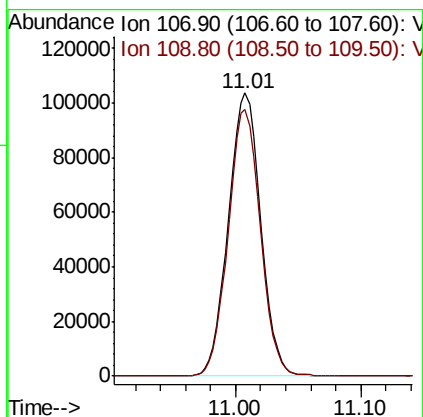
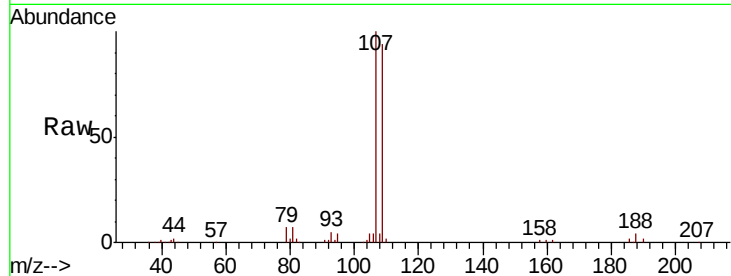




#61
 1,2-Dibromoethane
 Concen: 20.128 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

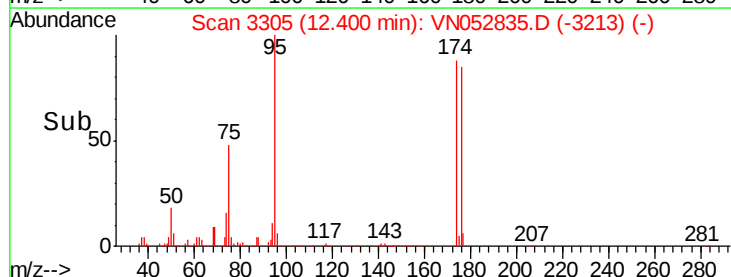
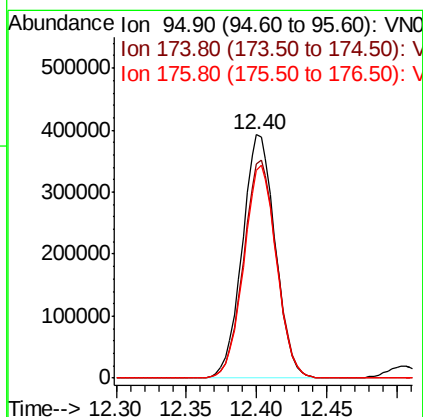
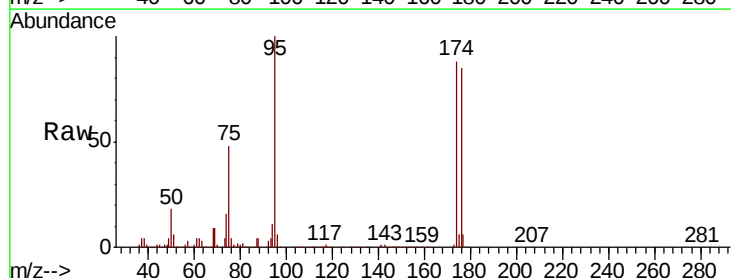
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

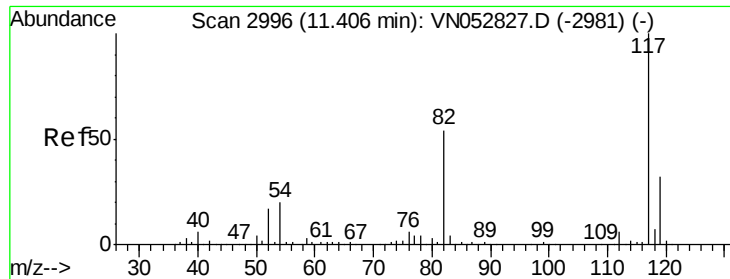
Tot Ion:107 Resp: 185659
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 20.128 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion: 95 Resp: 643513
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 178.8
 176 86.7 0.0 173.8

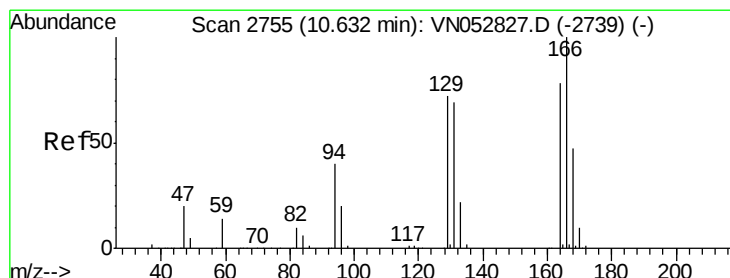
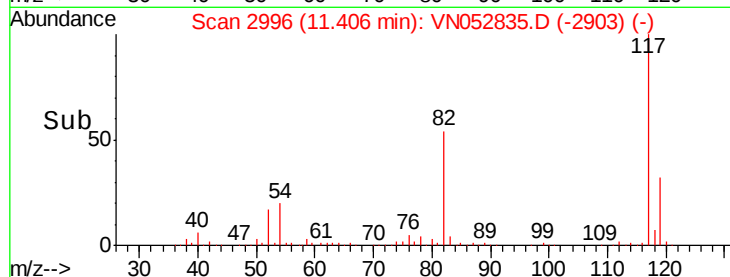
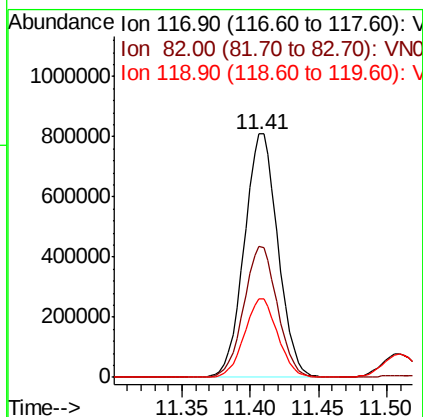
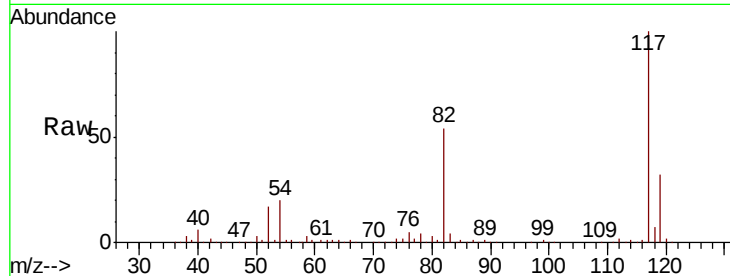




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

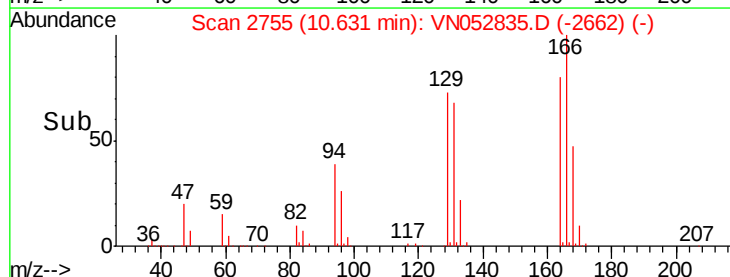
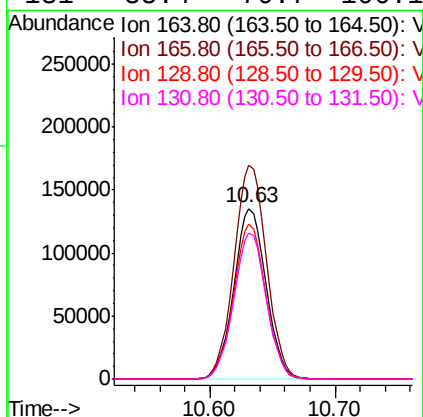
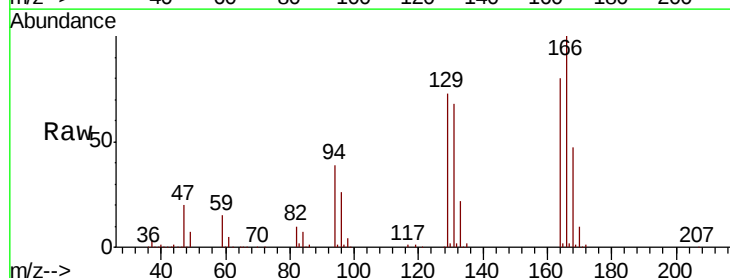
Instrument :
MSVOA_N
ClientSampled :
VN1212WBSD02

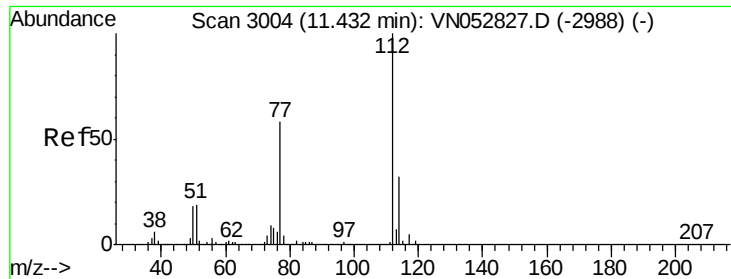
Tot Ion:117 Resp: 1383871
Ion Ratio Lower Upper
117 100
82 53.9 42.8 64.2
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 20.264 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion:164 Resp: 241021
Ion Ratio Lower Upper
164 100
166 125.1 102.9 154.3
129 90.7 73.7 110.5
131 85.4 70.7 106.1





#65

Chlorobenzene

Concen: 19.842 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

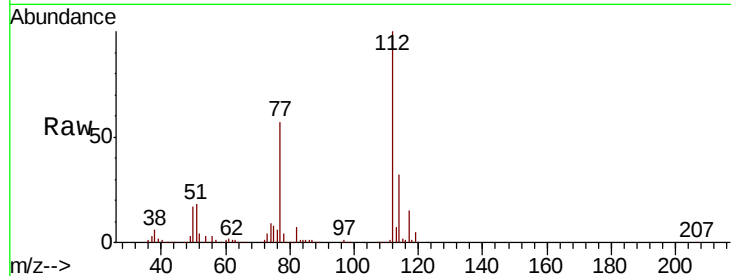
VN1212WBSD02

Tot Ion:112 Resp: 569669

Ion Ratio Lower Upper

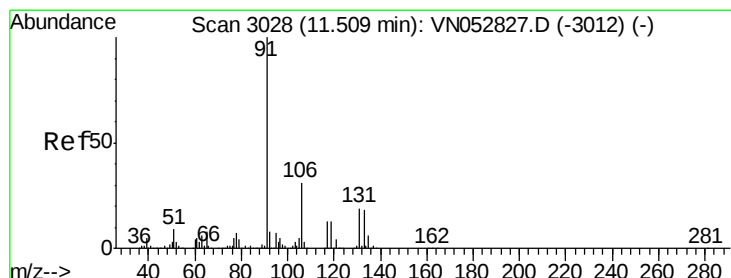
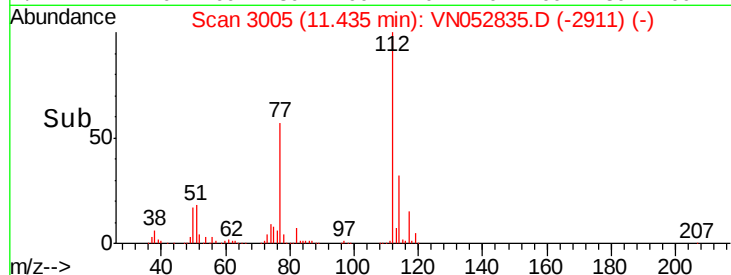
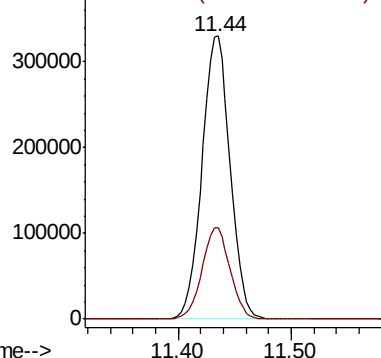
112 100

114 32.1 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.785 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

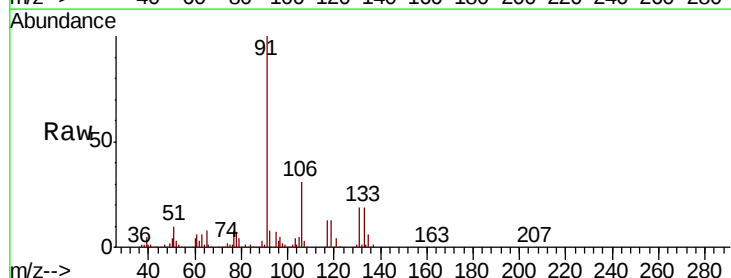
Tgt Ion:131 Resp: 197555

Ion Ratio Lower Upper

131 100

133 96.8 47.6 142.9

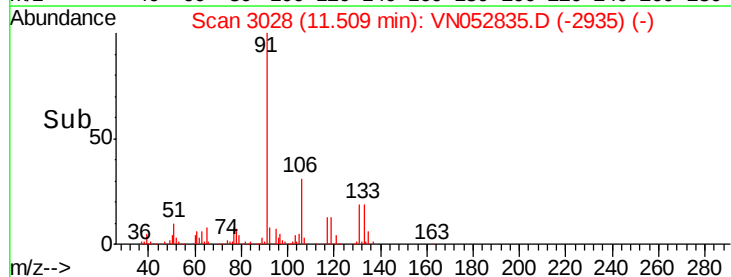
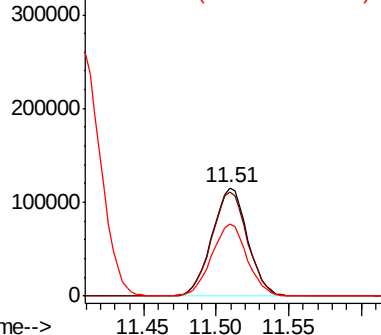
119 66.2 33.3 99.8

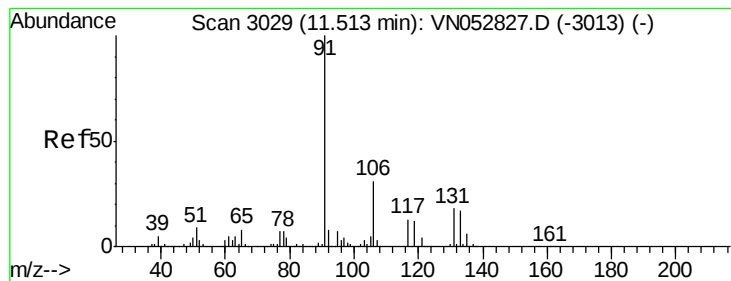


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.042 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampled :

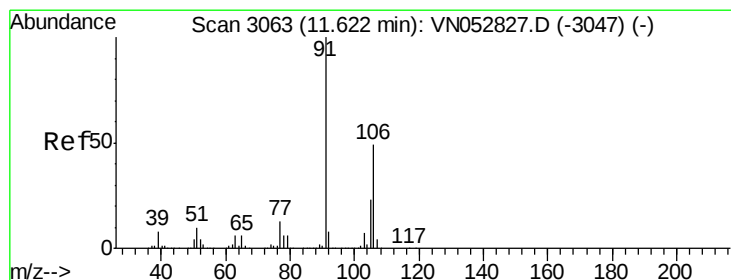
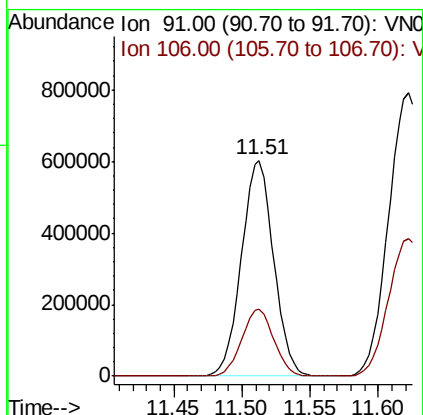
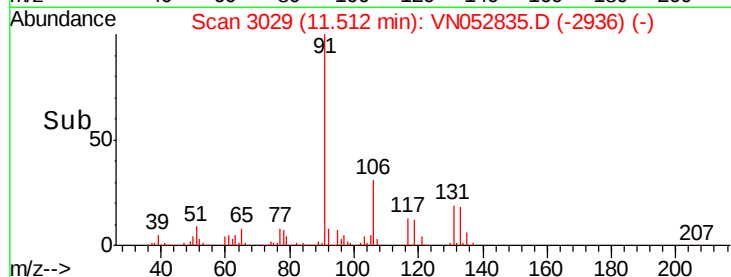
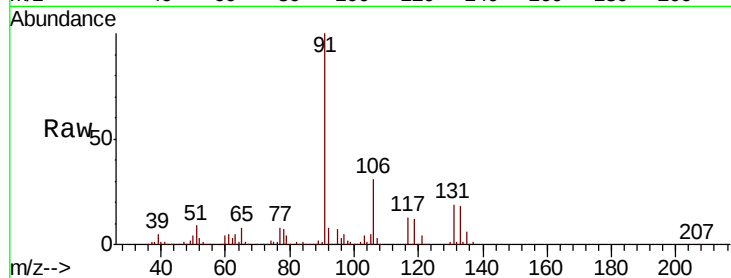
VN1212WBSD02

Tot Ion: 91 Resp: 988141

Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3



#68

m/p-Xylenes

Concen: 40.432 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052835.D

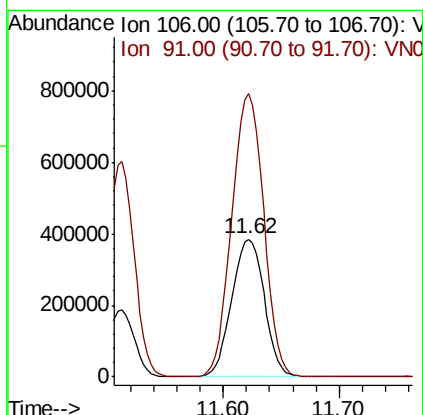
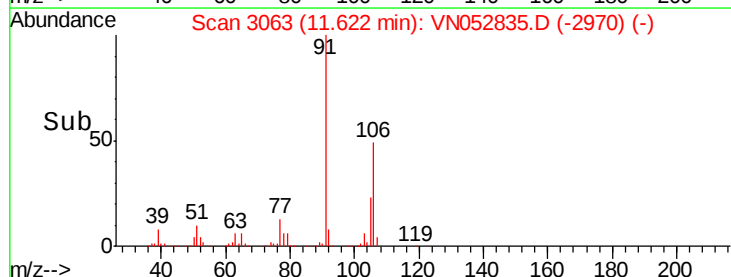
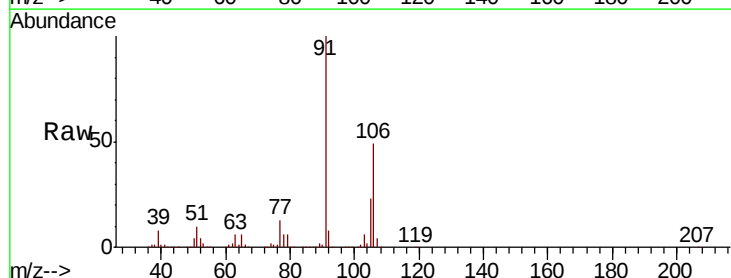
Acq: 12 Dec 2018 18:53

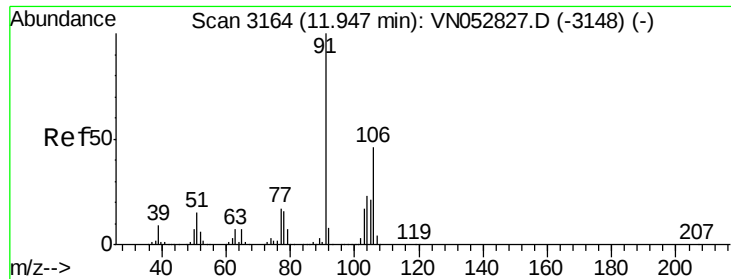
Tgt Ion: 106 Resp: 748532

Ion Ratio Lower Upper

106 100

91 201.8 162.2 243.4

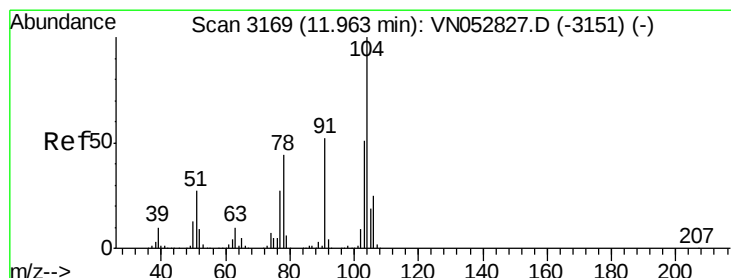
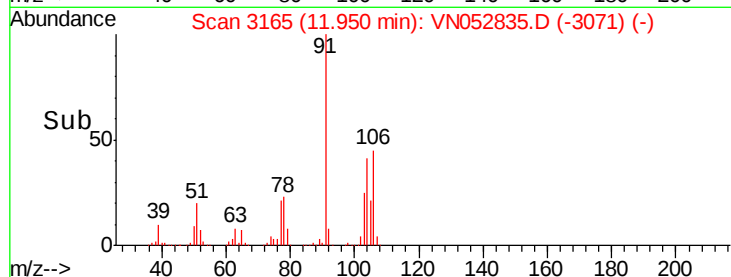
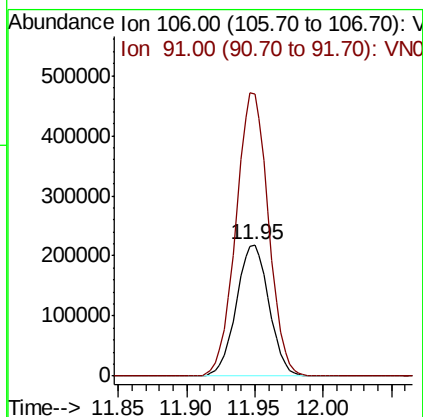
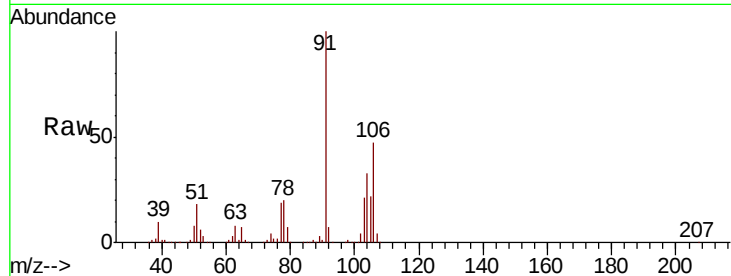




#69
o-Xylene
Concen: 20.110 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

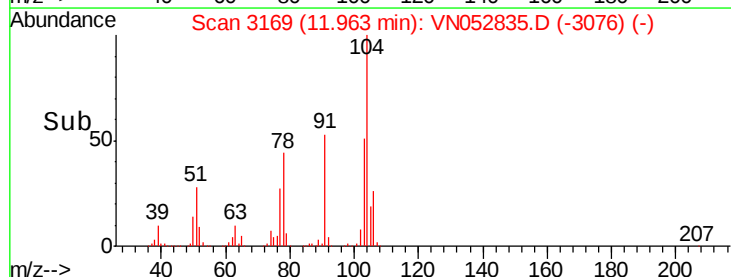
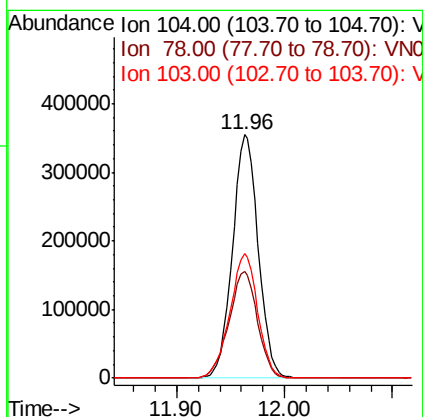
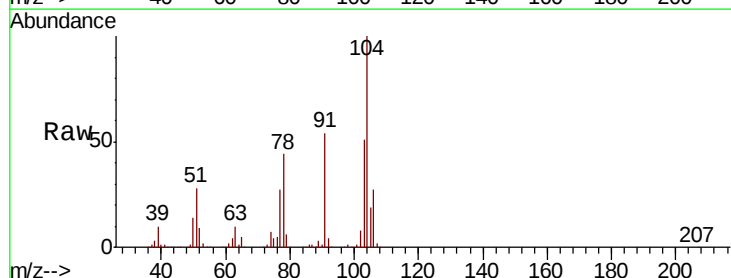
Instrument :
MSVOA_N
ClientSampled :
VN1212WBSD02

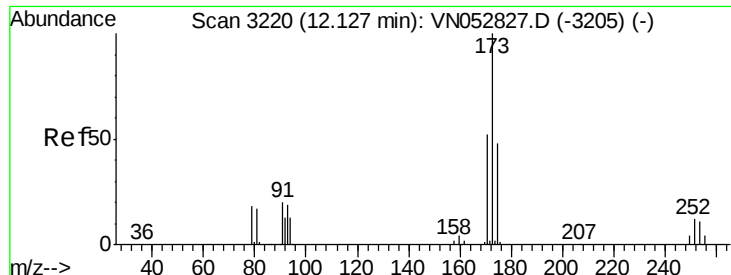
Tot Ion:106 Resp: 363545
Ion Ratio Lower Upper
106 100
91 214.2 106.6 319.8



#70
Styrene
Concen: 20.349 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion:104 Resp: 591370
Ion Ratio Lower Upper
104 100
78 48.4 38.9 58.3
103 55.3 44.3 66.5

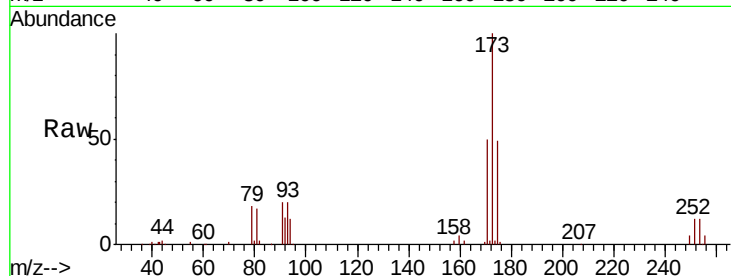




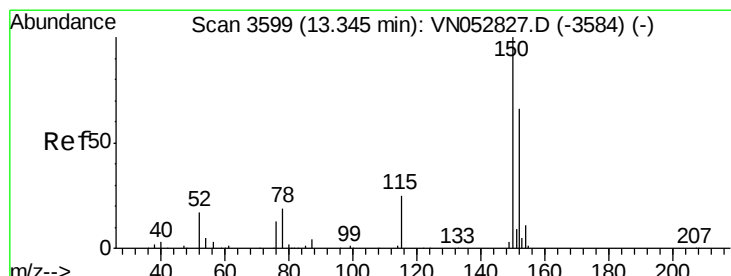
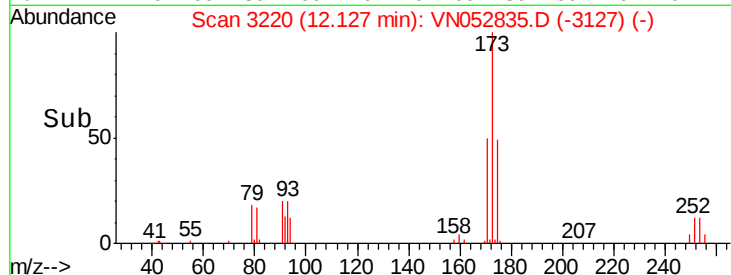
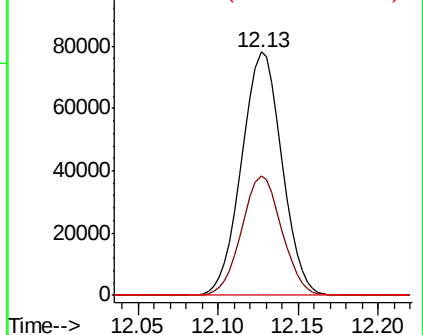
#71
Bromoform
Concen: 19.825 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion:173 Resp: 134481
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.9
254 0.1 0.1 0.1

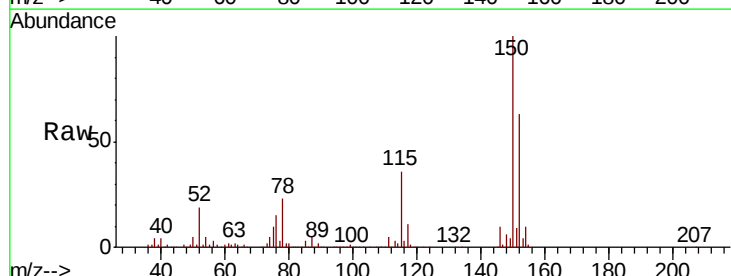


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

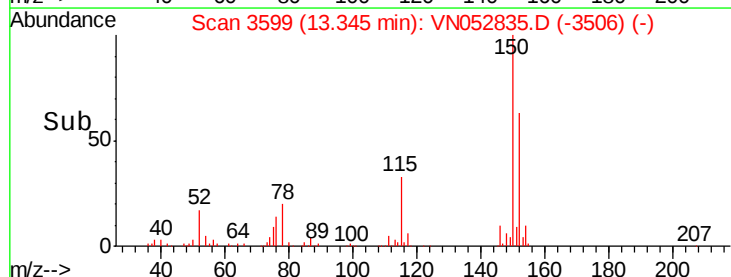
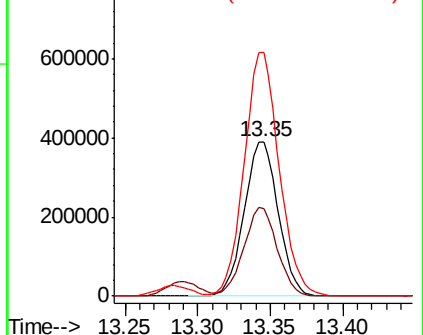


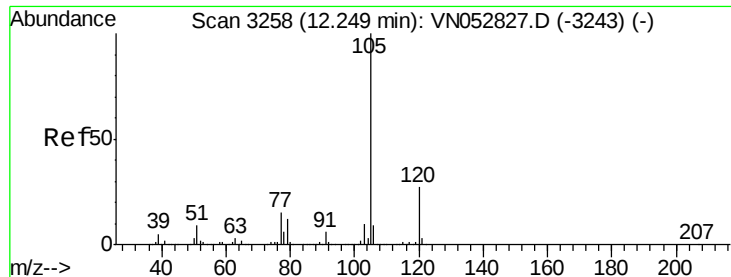
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion:152 Resp: 636492
Ion Ratio Lower Upper
152 100
115 56.4 28.3 85.0
150 162.9 0.0 347.8



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: 20.292 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

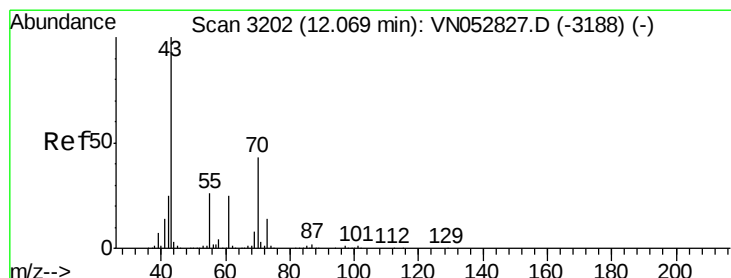
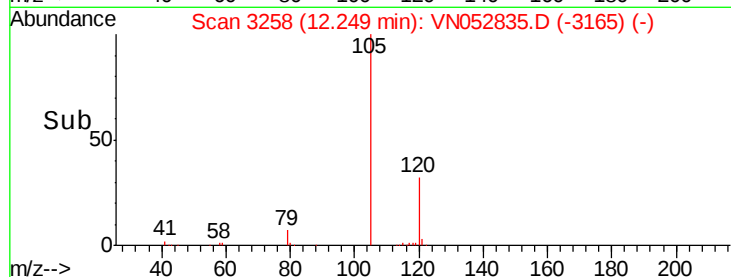
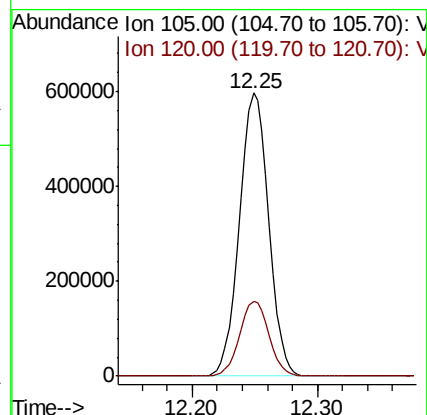
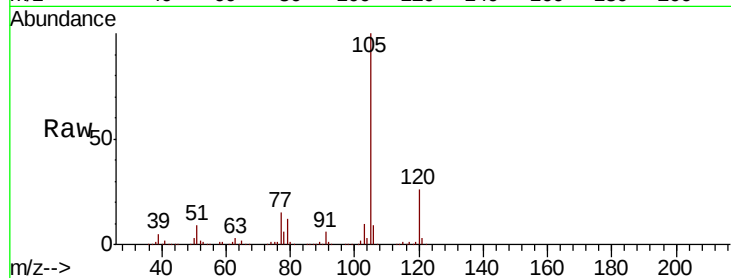
VN1212WBSD02

Tot Ion:105 Resp: 964334

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



#74

N-ethyl acetate

Concen: 20.378 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Tgt Ion: 43 Resp: 265870

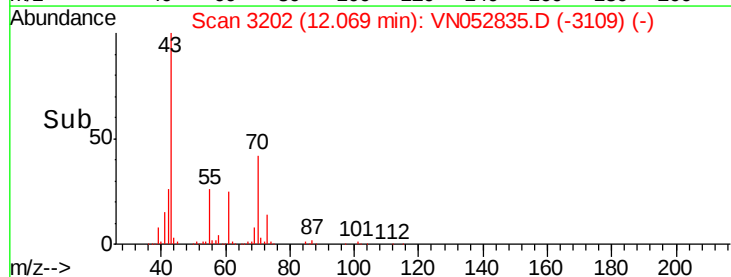
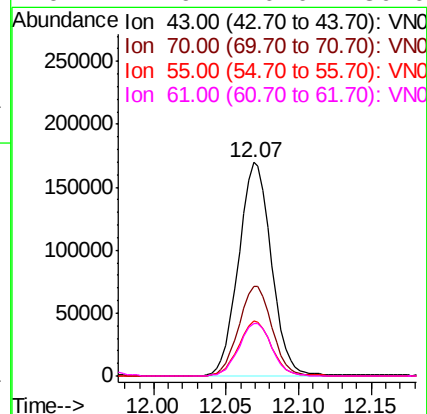
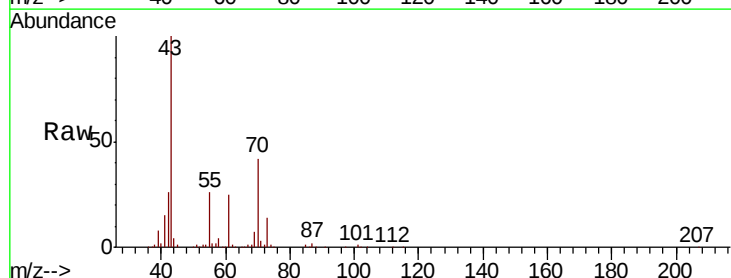
Ion Ratio Lower Upper

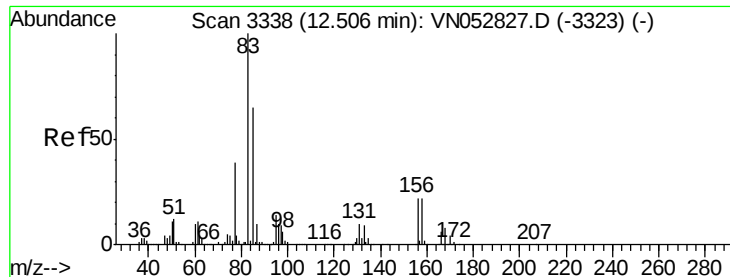
43 100

70 42.7 34.2 51.4

55 26.1 20.3 30.5

61 24.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.435 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

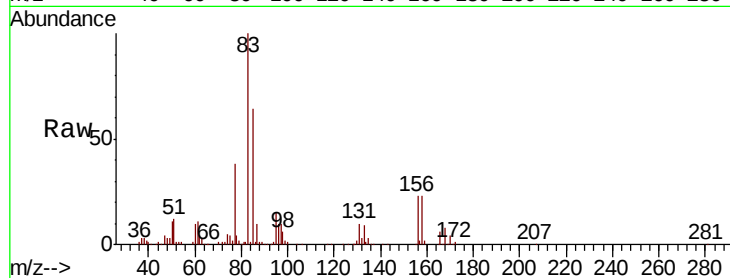
Tot Ion: 83 Resp: 217644

Ion Ratio Lower Upper

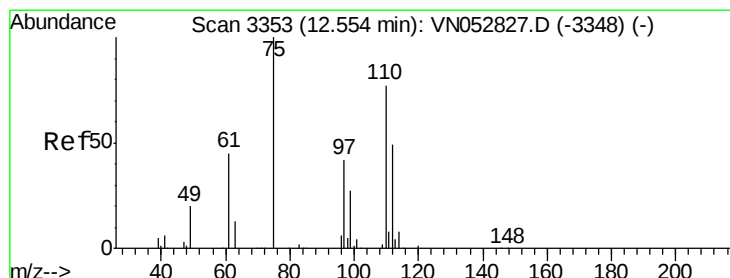
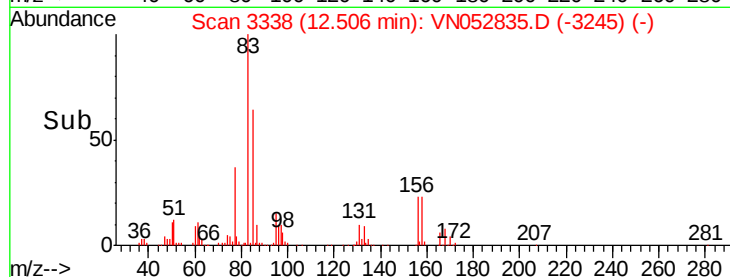
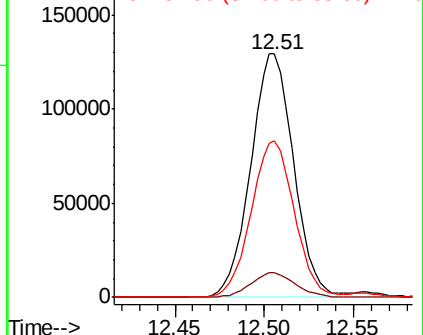
83 100

131 10.6 5.2 15.6

85 64.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.297 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052835.D

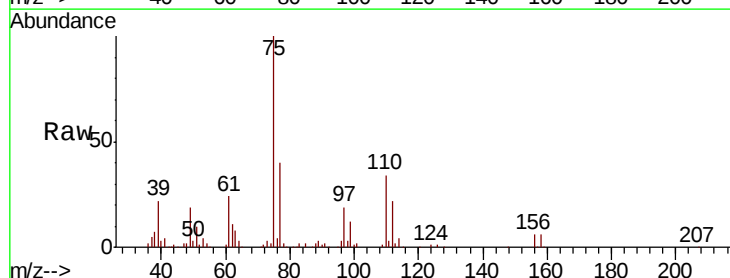
Acq: 12 Dec 2018 18:53

Tgt Ion: 75 Resp: 275123

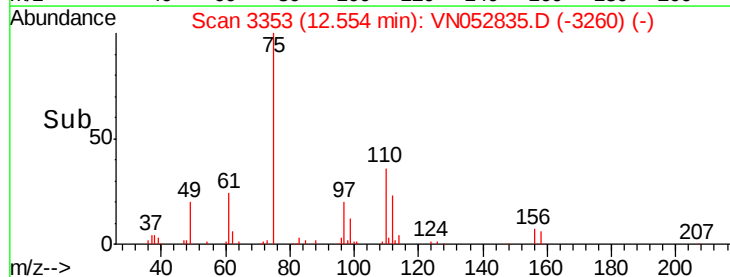
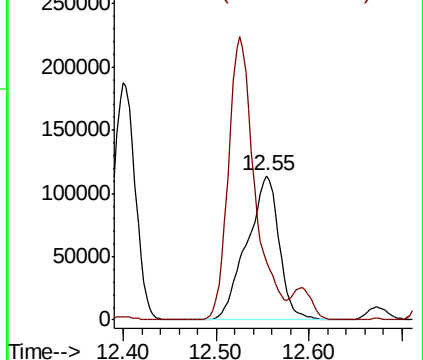
Ion Ratio Lower Upper

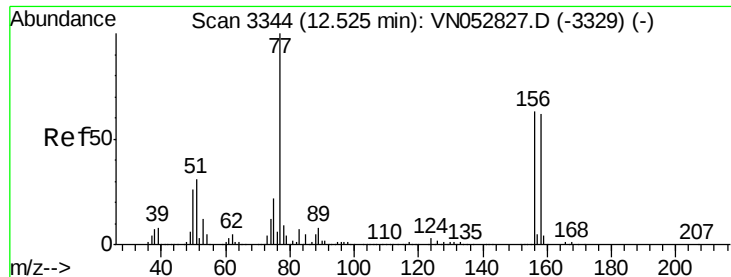
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.321 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

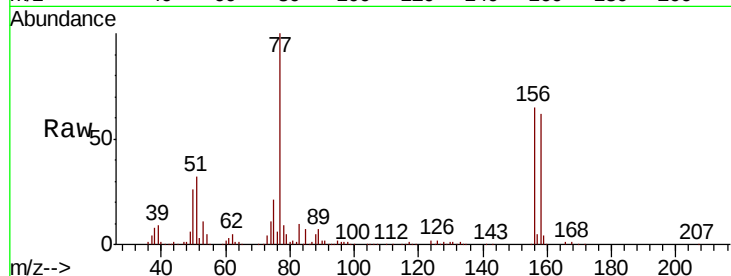
Tot Ion:156 Resp: 245630

Ion Ratio Lower Upper

156 100

77 181.3 91.3 273.8

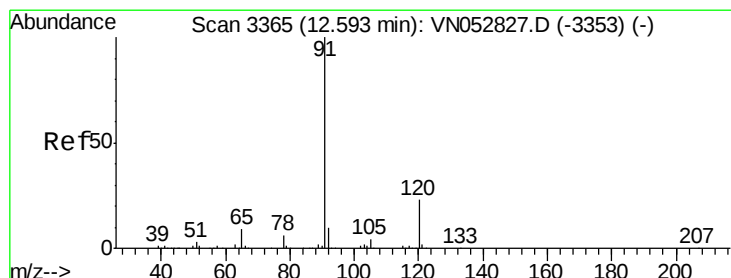
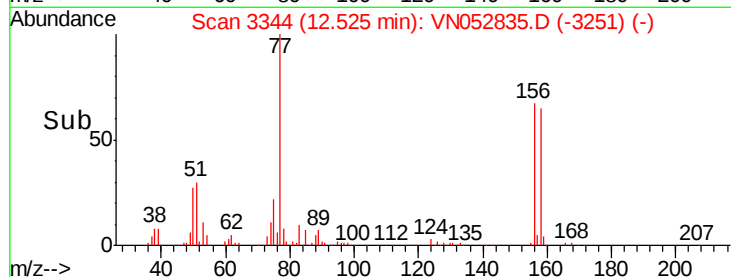
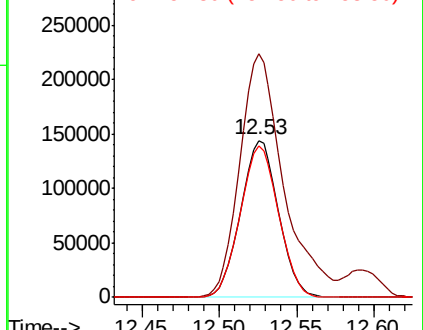
158 97.7 49.0 147.2



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: 20.159 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052835.D

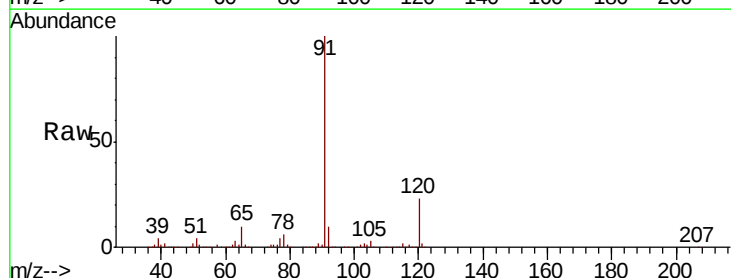
Acq: 12 Dec 2018 18:53

Tgt Ion: 91 Resp: 1092594

Ion Ratio Lower Upper

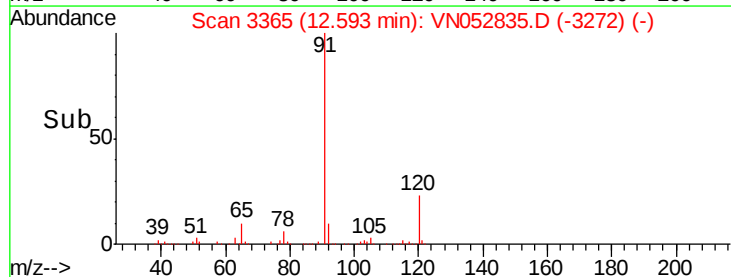
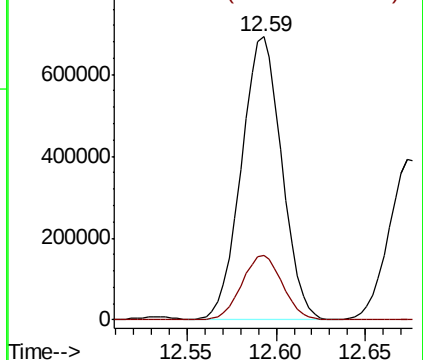
91 100

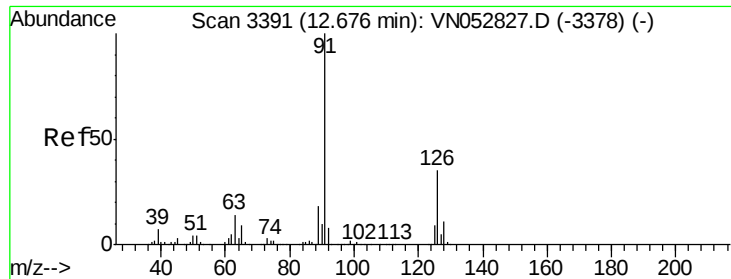
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.264 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

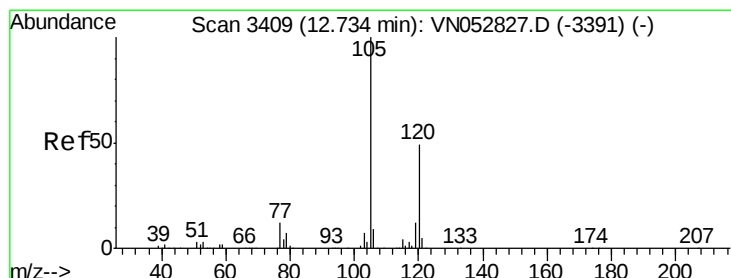
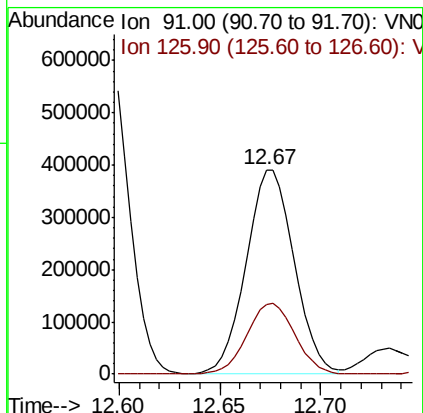
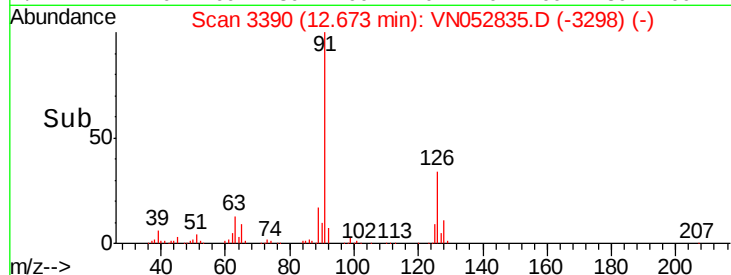
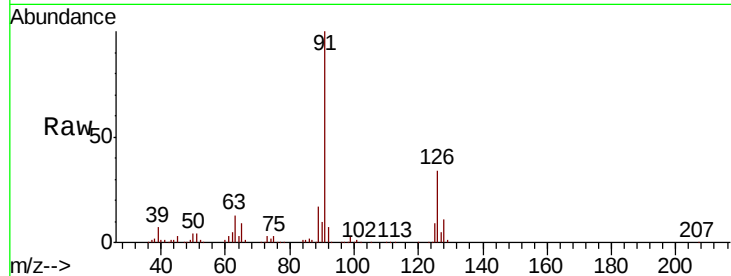
VN1212WBSD02

Tot Ion: 91 Resp: 649301

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 20.150 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052835.D

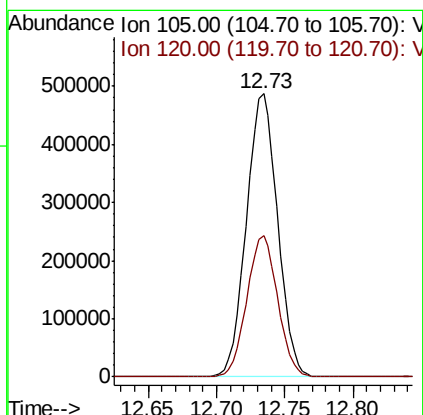
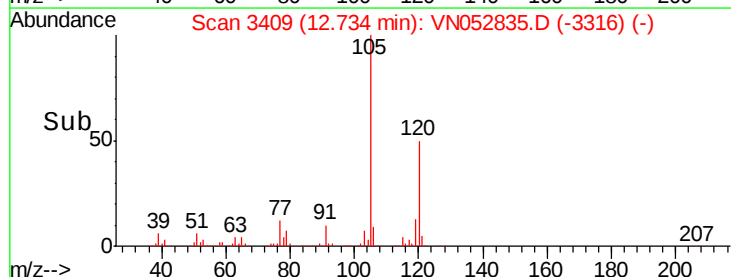
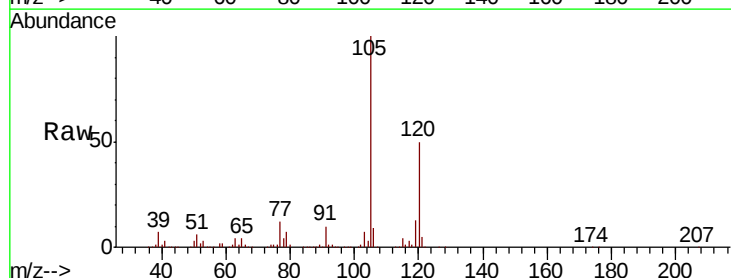
Acq: 12 Dec 2018 18:53

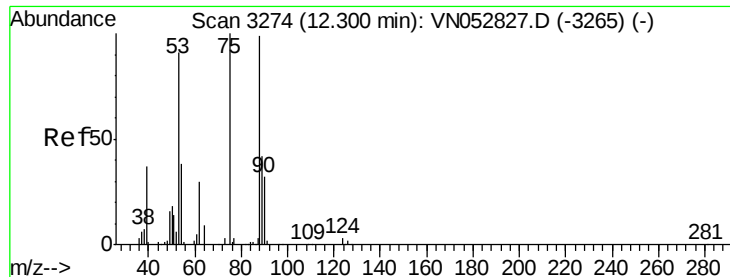
Tgt Ion: 105 Resp: 773002

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.544 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

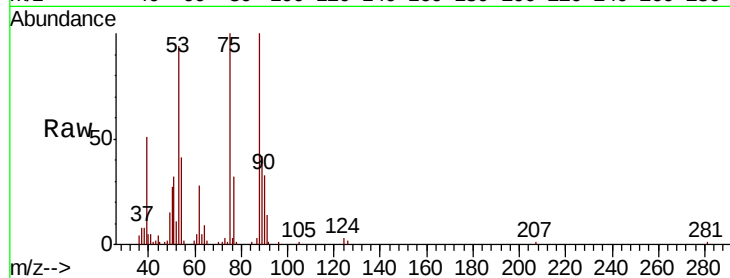
Tot Ion: 75 Resp: 57131

Ion Ratio Lower Upper

75 100

53 95.8 74.7 112.1

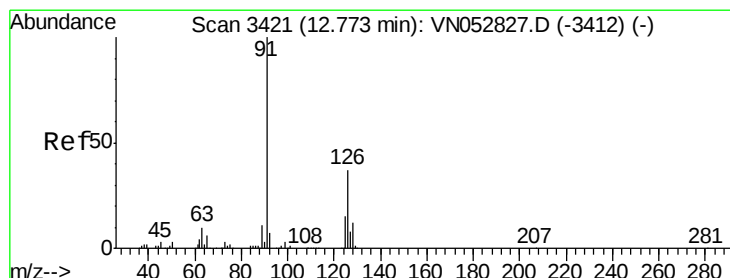
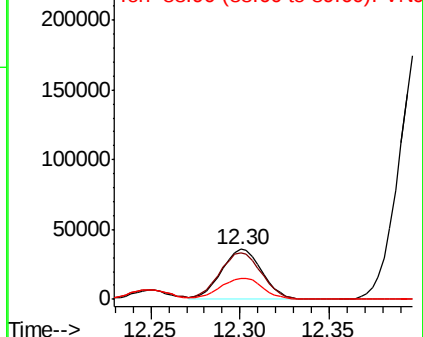
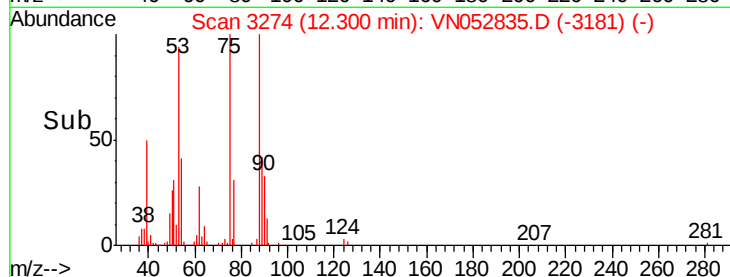
89 44.2 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.034 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052835.D

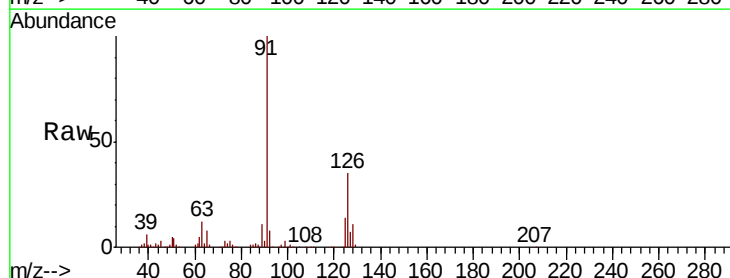
Acq: 12 Dec 2018 18:53

Tgt Ion: 91 Resp: 656320

Ion Ratio Lower Upper

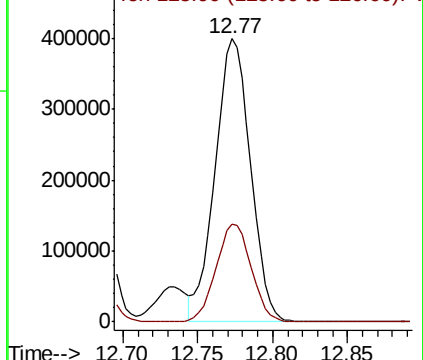
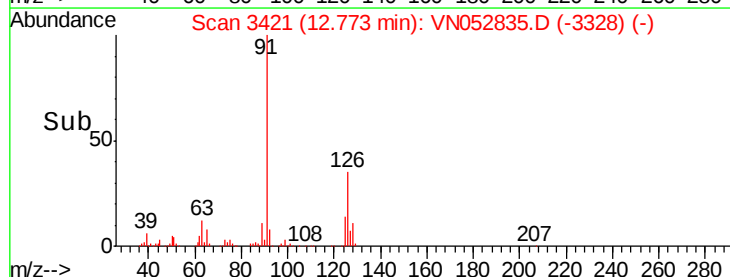
91 100

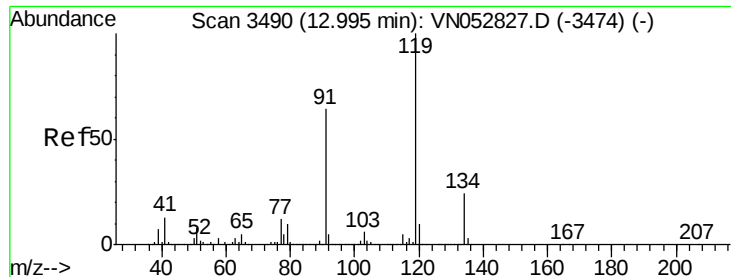
126 34.4 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

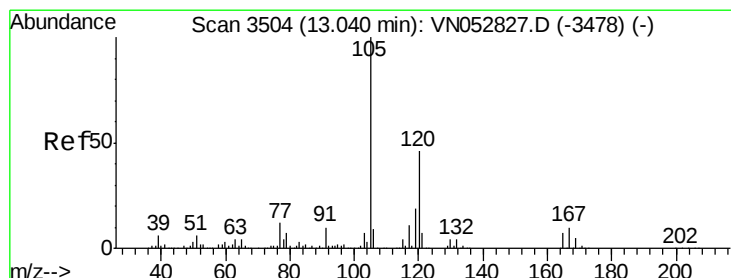
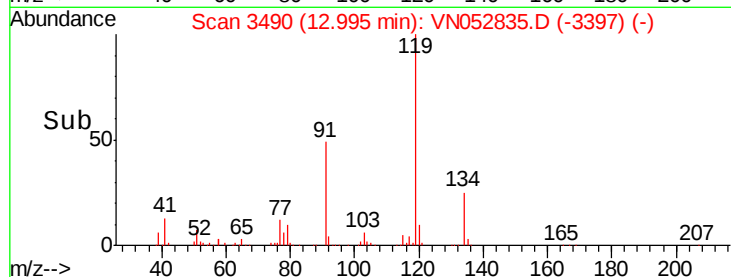
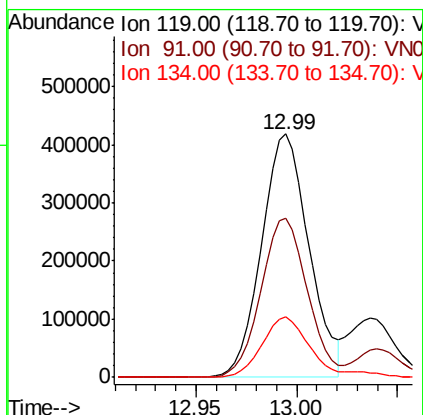
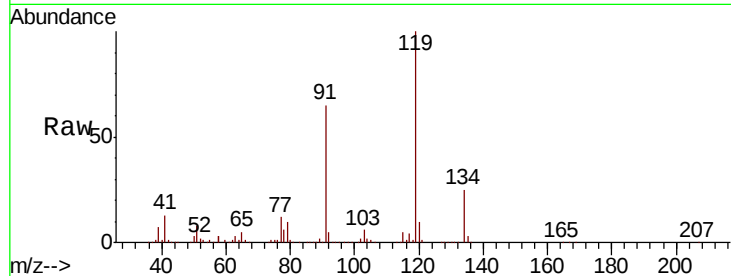




#83
tert-Butylbenzene
Concen: 20.253 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

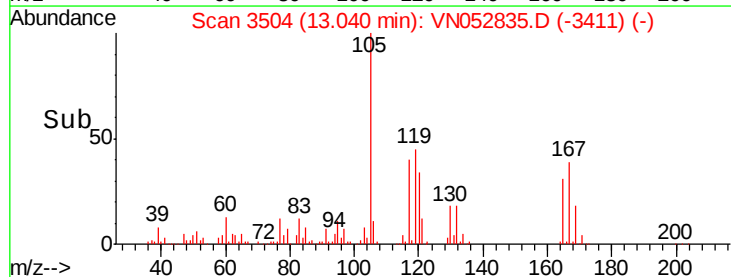
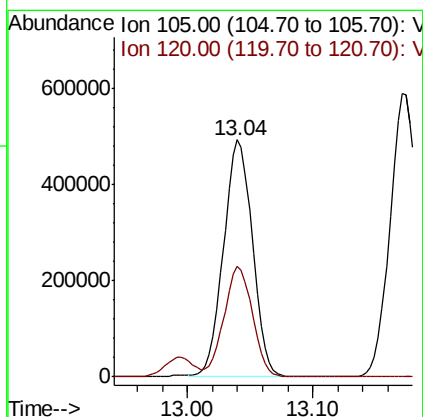
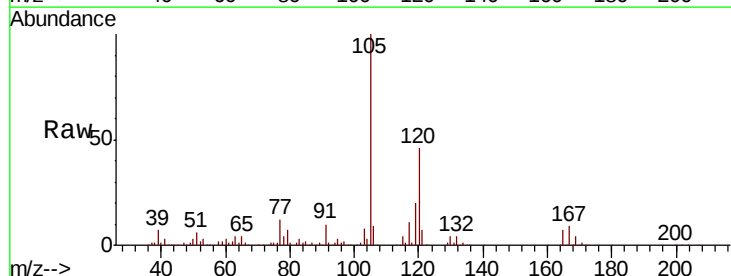
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

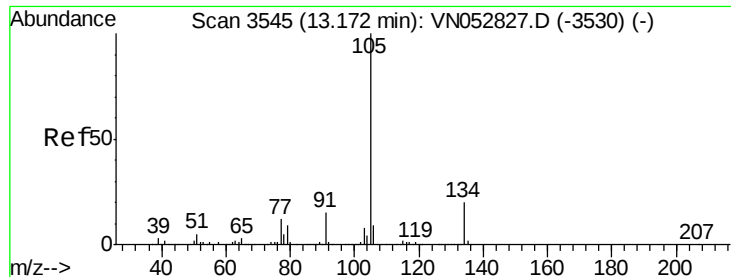
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	31.9	95.5
134	25.9	12.8	38.4



#84
1,2,4-Trimethylbenzene
Concen: 20.305 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.213 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

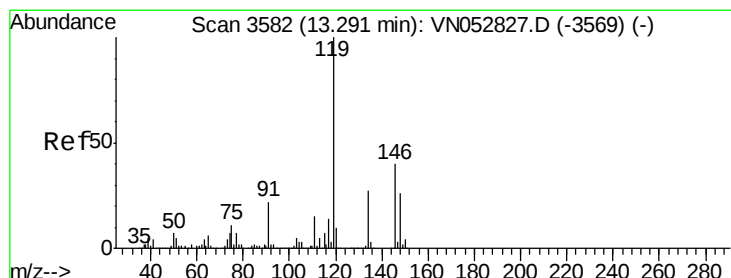
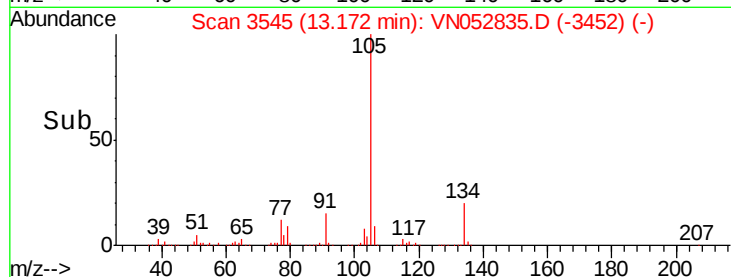
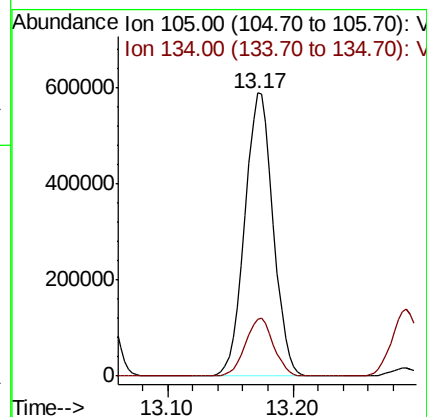
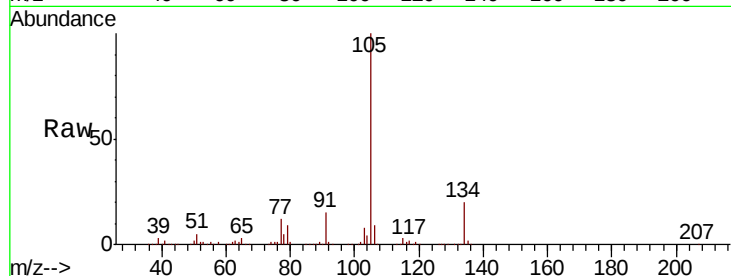
VN1212WBSD02

Tot Ion:105 Resp: 926351

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.3



#86

p-Isopropyltoluene

Concen: 20.162 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

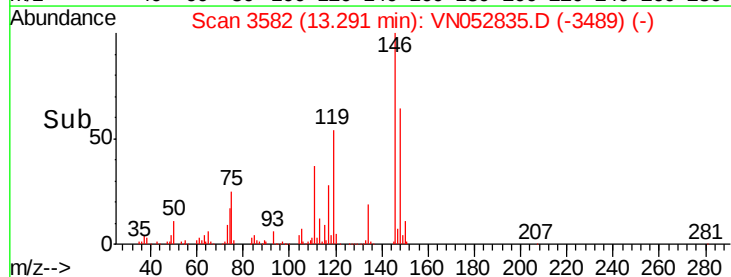
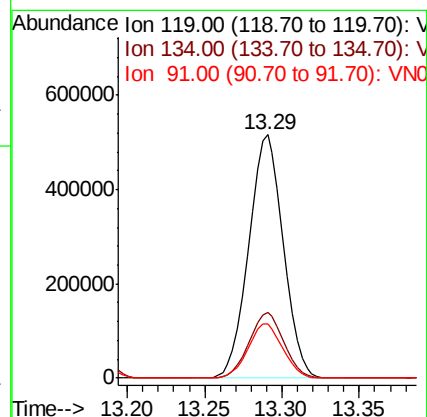
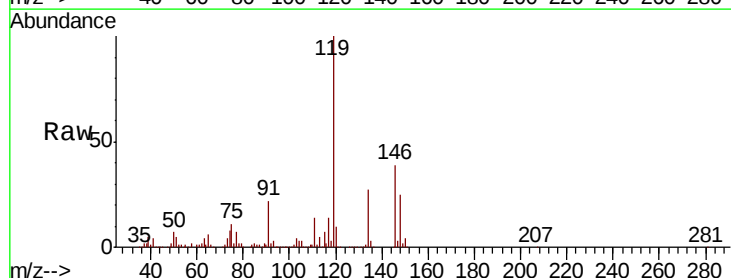
Tgt Ion:119 Resp: 800540

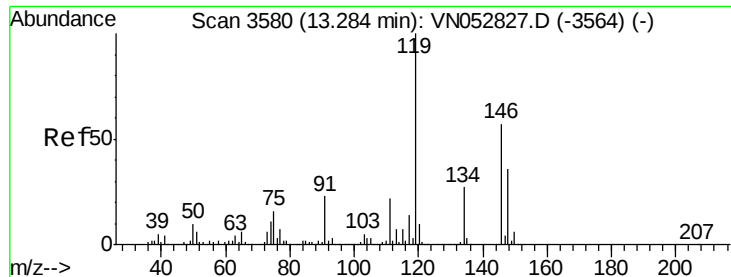
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 22.4 11.1 33.3

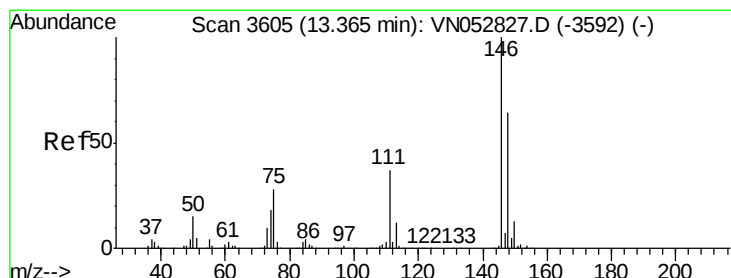
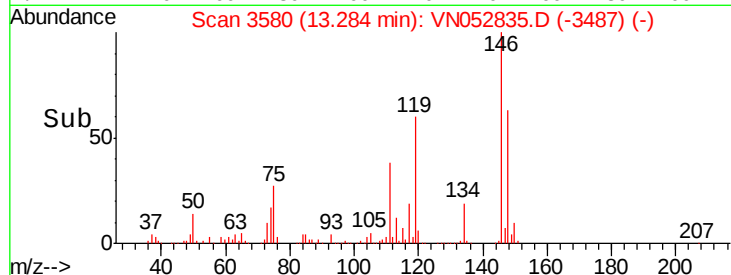
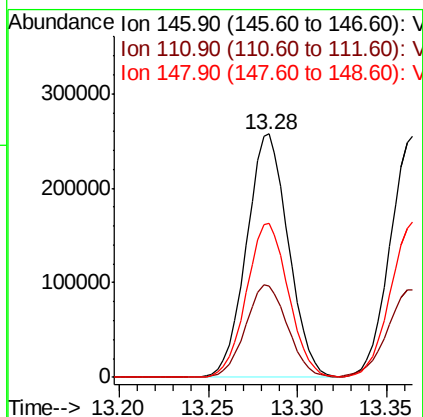
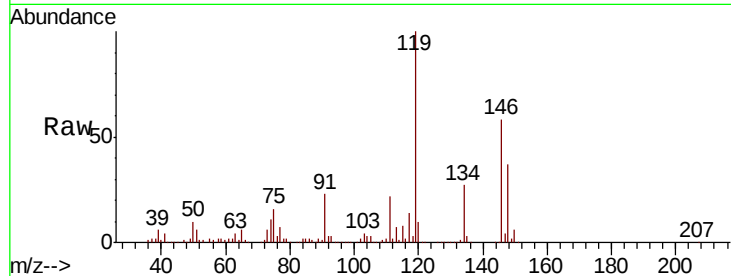




#87
 1,3-Dichlorobenzene
 Concen: 19.680 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

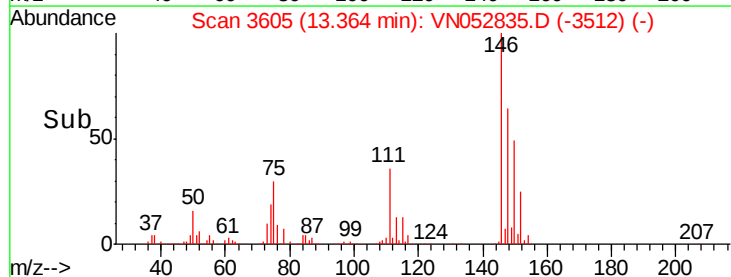
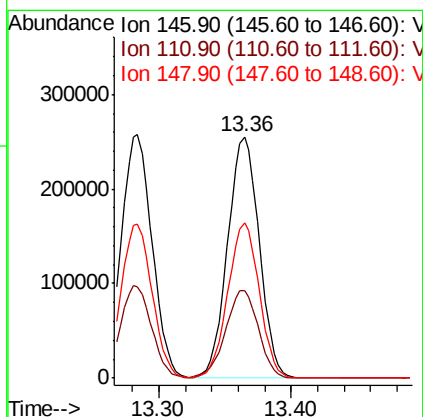
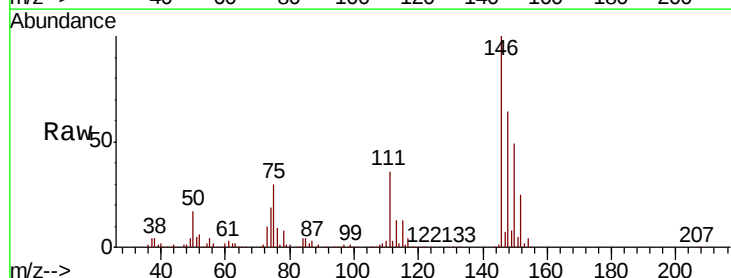
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

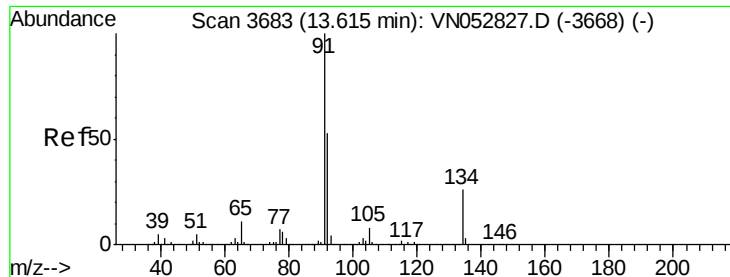
Tot Ion:146 Resp: 422731
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 63.4 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.826 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion:146 Resp: 421734
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.8
 148 63.9 32.1 96.5

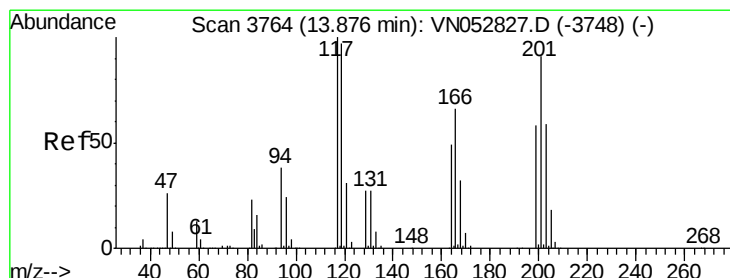
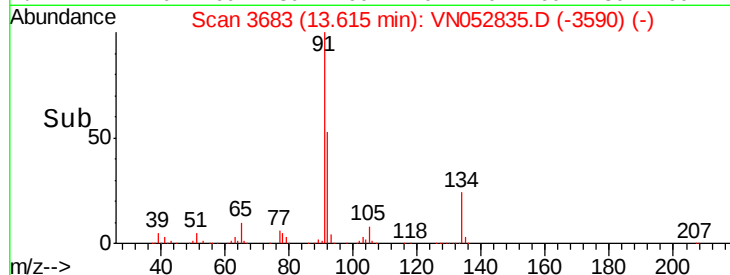
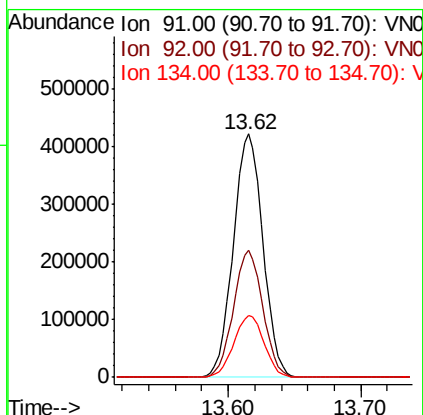
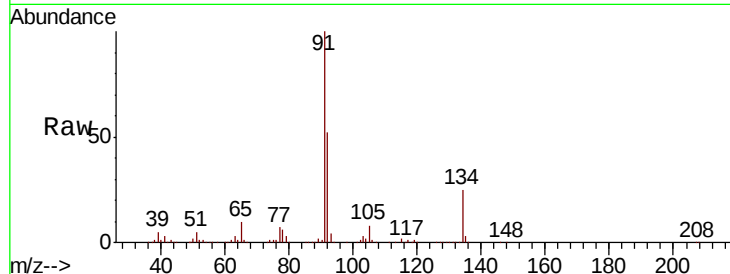




#89
n-Butylbenzene
Concen: 19.566 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

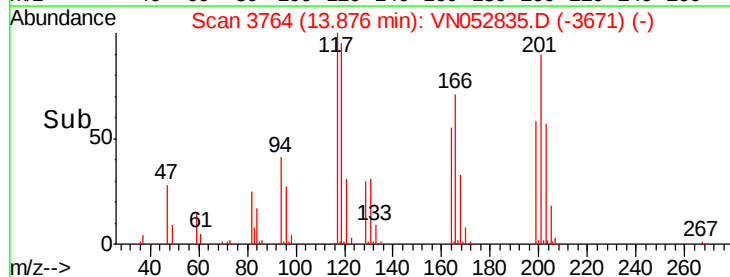
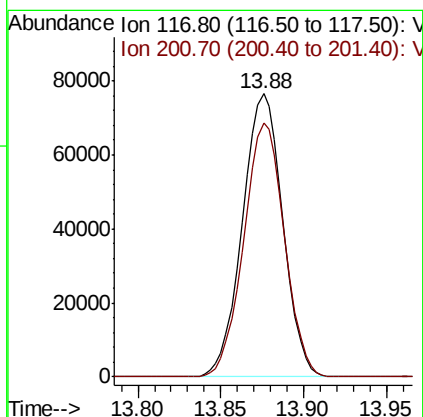
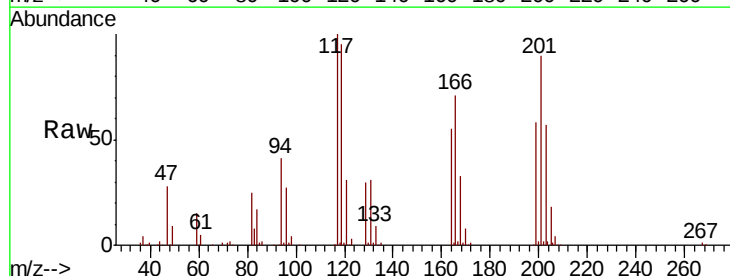
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

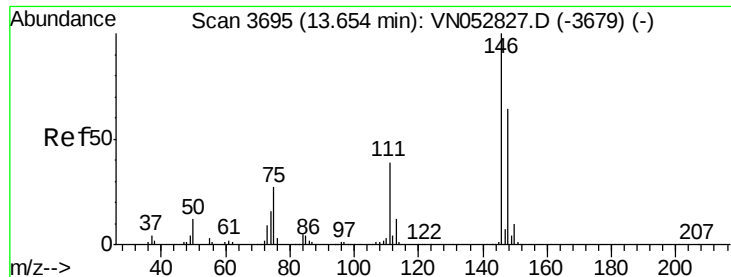
Tot Ion: 91 Resp: 653999
Ion Ratio Lower Upper
91 100
92 51.6 26.3 78.9
134 25.9 13.3 39.8



#90
Hexachloroethane
Concen: 19.511 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion: 117 Resp: 129723
Ion Ratio Lower Upper
117 100
201 90.1 45.7 137.1





#91

1,2-Dichlorobenzene

Concen: 20.169 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

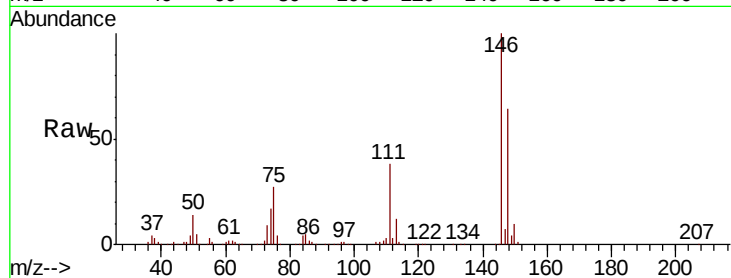
Tot Ion:146 Resp: 416745

Ion Ratio Lower Upper

146 100

111 38.6 19.7 59.0

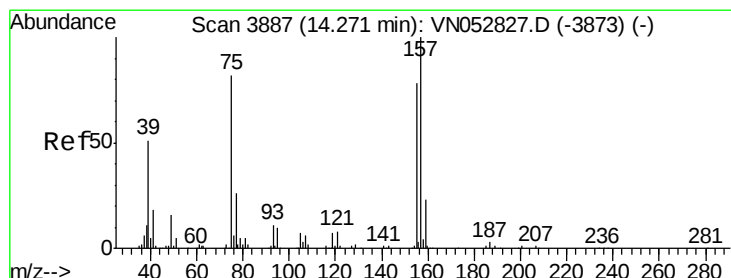
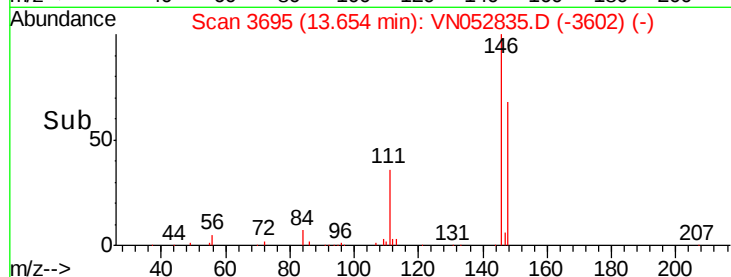
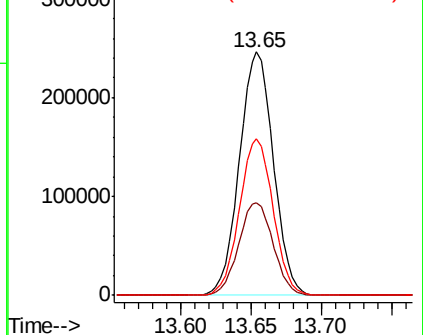
148 63.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.449 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

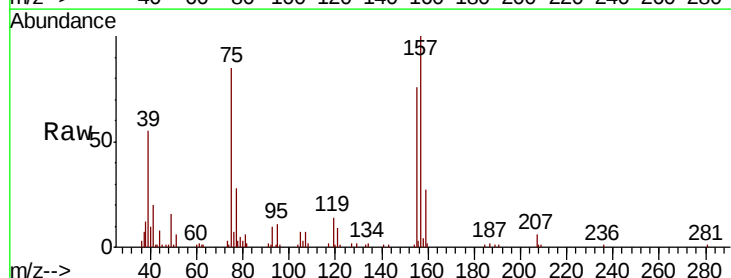
Tgt Ion: 75 Resp: 32830

Ion Ratio Lower Upper

75 100

155 91.7 48.2 144.6

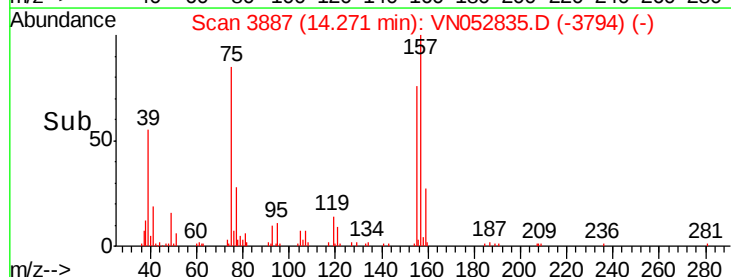
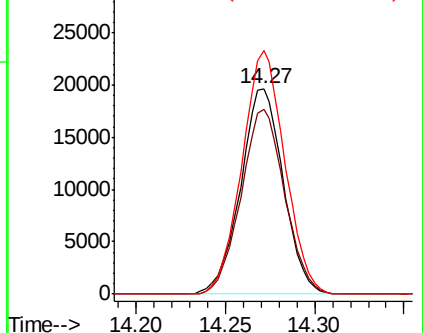
157 119.1 61.2 183.5

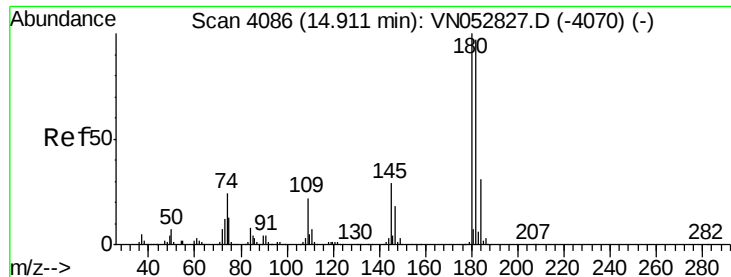


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

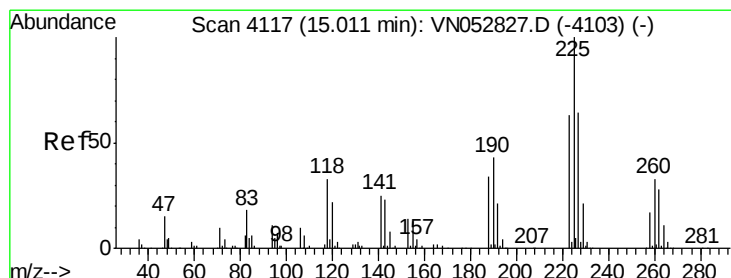
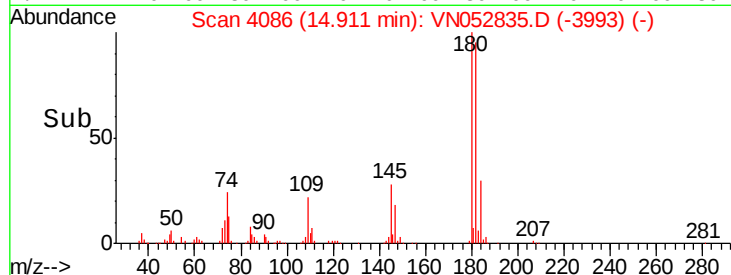
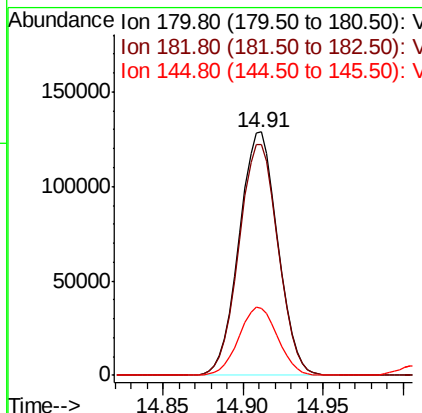
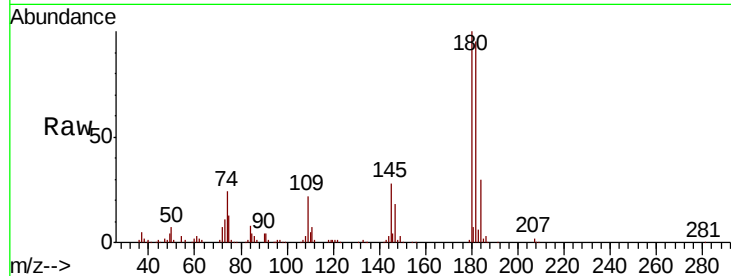




#93
 1,2,4-Trichlorobenzene
 Concen: 18.880 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

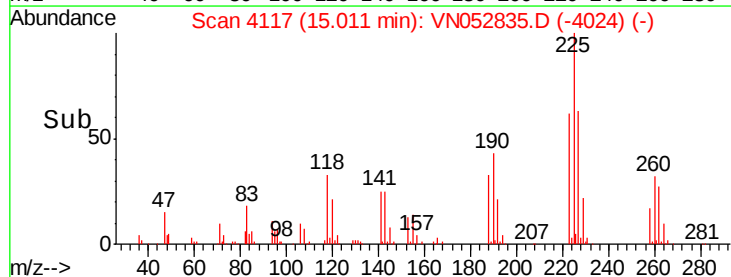
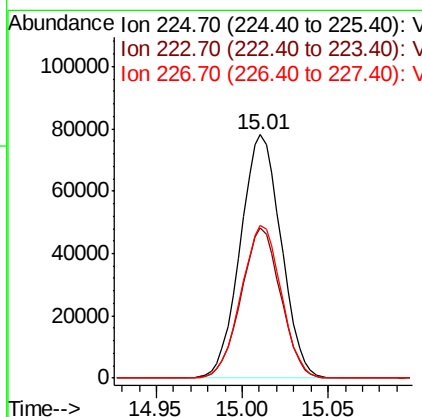
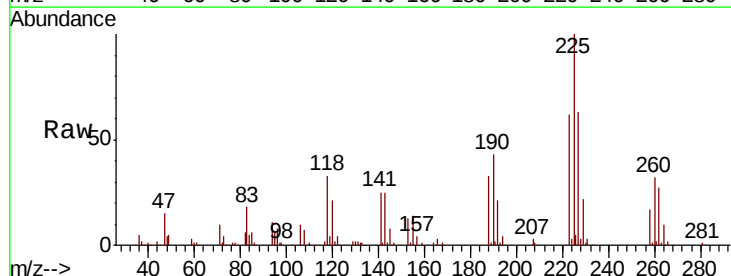
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

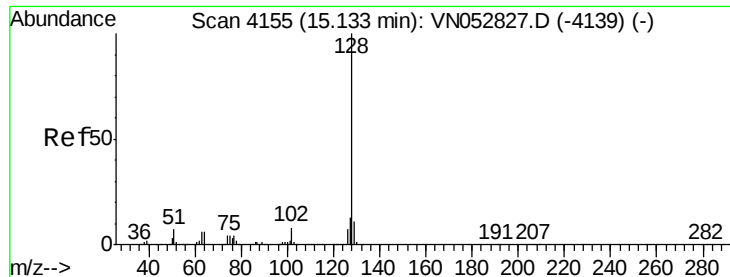
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.8	143.3
145	28.2	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 19.822 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.0	31.5	94.5
227	61.8	31.9	95.7





#95

Naphthalene

Concen: 19.009 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

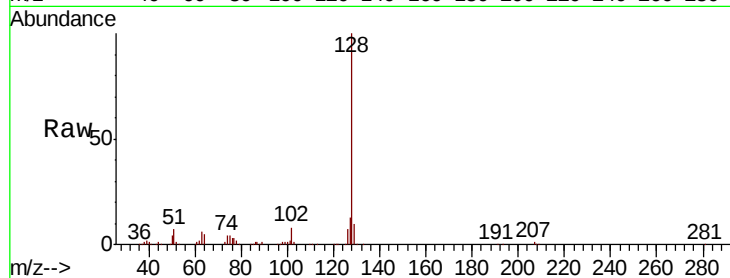
Tot Ion:128 Resp: 442203

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

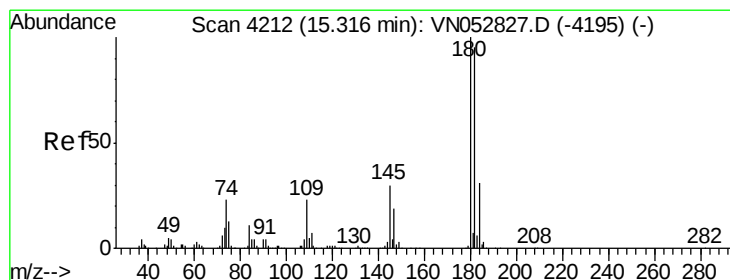
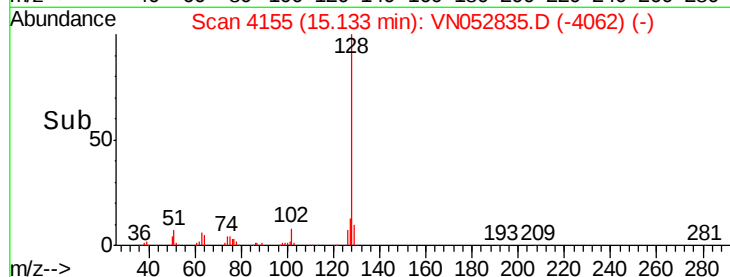
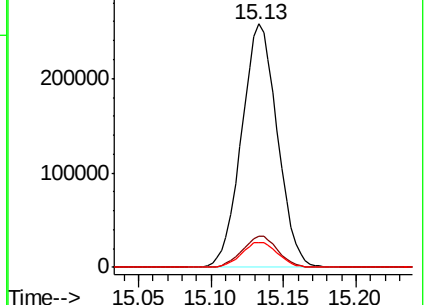
129 10.6 8.6 13.0



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: 19.301 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

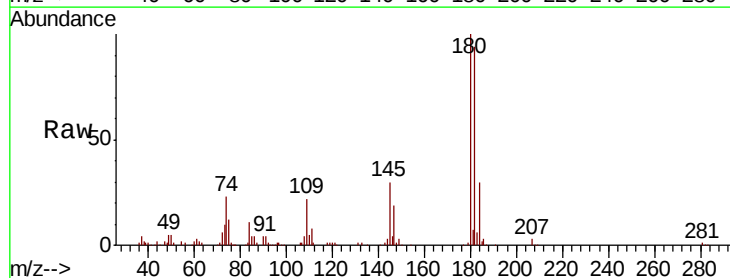
Tgt Ion:180 Resp: 198914

Ion Ratio Lower Upper

180 100

182 94.8 47.9 143.7

145 30.2 15.0 45.0



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

