

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052321.D
 Acq On : 14 Nov 2018 18:55
 Operator : MD\SY
 Sample : VN1114WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Quant Time: Nov 15 03:28:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	261677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	443908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	393368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156827	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	187168	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
35) Dibromofluoromethane	7.59	113	146253	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
50) Toluene-d8	10.09	98	559063	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	174593	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	57575	20.764	ug/l	98
3) Chloromethane	2.06	50	80542	20.901	ug/l	99
4) Vinyl Chloride	2.19	62	69195	20.773	ug/l	94
5) Bromomethane	2.58	94	40160	19.339	ug/l	99
6) Chloroethane	2.71	64	36798	19.539	ug/l	98
7) Trichlorofluoromethane	3.02	101	92921	20.159	ug/l	100
8) Diethyl Ether	3.41	74	35561	20.242	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	56148	19.289	ug/l	98
10) Methyl Iodide	3.96	142	75270	19.259	ug/l	99
11) Tert butyl alcohol	4.79	59	18415	94.348	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	52802	19.602	ug/l	95
13) Acrolein	3.61	56	25025	99.373	ug/l	98
14) Allyl chloride	4.33	41	109503	19.798	ug/l	99
15) Acrylonitrile	4.99	53	111675	100.201	ug/l	98
16) Acetone	3.82	43	80421	79.031	ug/l	95
17) Carbon Disulfide	4.06	76	149105	19.303	ug/l	99
18) Methyl Acetate	4.33	43	62754	22.249	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	158171	20.433	ug/l	98
20) Methylene Chloride	4.55	84	62647	19.813	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	57971	19.989	ug/l	99
22) Diisopropyl ether	5.95	45	229493	20.335	ug/l	98
23) Vinyl Acetate	5.90	43	749957	97.961	ug/l	100
24) 1,1-Dichloroethane	5.86	63	120258	19.872	ug/l	99
25) 2-Butanone	6.84	43	133708	93.350	ug/l	98
26) 2,2-Dichloropropane	6.83	77	82566	18.555	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	65508	19.403	ug/l	96
28) Bromochloromethane	7.19	49	61703	19.830	ug/l	100
29) Tetrahydrofuran	7.21	42	95210	101.186	ug/l	99
30) Chloroform	7.37	83	128452	22.273	ug/l	96
31) Cyclohexane	7.66	56	111106	19.120	ug/l #	92
32) 1,1,1-Trichloroethane	7.57	97	95787	19.497	ug/l	98
36) 1,1-Dichloropropene	7.79	75	84671	19.030	ug/l	97
37) Ethyl Acetate	6.93	43	64268	19.903	ug/l	98
38) Carbon Tetrachloride	7.78	117	82290	20.131	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	97674	19.230	ug/l	99
40) Benzene	8.04	78	255066	20.067	ug/l	97
41) Methacrylonitrile	7.18	41	34672	21.600	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	91050	20.088	ug/l	98
43) Isopropyl Acetate	8.17	43	117766	18.900	ug/l	99
44) Trichloroethene	8.83	130	64778	20.689	ug/l	97
45) 1,2-Dichloropropane	9.12	63	71887	19.929	ug/l	99
46) Dibromomethane	9.21	93	41288	19.772	ug/l	98
47) Bromodichloromethane	9.40	83	87866	20.504	ug/l	98
48) Methyl methacrylate	9.20	41	59173	18.716	ug/l	99
49) 1,4-Dioxane	9.20	88	10190	419.845	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	320829	102.289	ug/l	100
52) Toluene	10.16	92	154442	20.311	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	82385	19.062	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	96824	19.653	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	53539	19.423	ug/l	96
56) Ethyl methacrylate	10.43	69	72202	19.917	ug/l	99
57) 1,3-Dichloropropane	10.71	76	99144	20.306	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	206680	100.143	ug/l	98
59) 2-Hexanone	10.75	43	206074	95.521	ug/l	100
60) Dibromochloromethane	10.90	129	58002	19.449	ug/l	100
61) 1,2-Dibromoethane	11.00	107	55799	20.322	ug/l	98
64) Tetrachloroethene	10.63	164	53987	19.305	ug/l	97
65) Chlorobenzene	11.43	112	163869	19.708	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	56876	20.059	ug/l	100
67) Ethyl Benzene	11.51	91	285004	19.749	ug/l	100
68) m/p-Xylenes	11.62	106	210478	39.917	ug/l	100
69) o-Xylene	11.95	106	102138	20.208	ug/l	100
70) Styrene	11.96	104	162926	20.131	ug/l	99
71) Bromoform	12.12	173	32540	19.437	ug/l #	97
73) Isopropylbenzene	12.25	105	267794	21.239	ug/l	100
74) N-amyl acetate	12.07	43	95796	21.331	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	68107	22.345	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	86212	32.398	ug/l #	100
77) Bromobenzene	12.53	156	63285	21.571	ug/l	99
78) n-propylbenzene	12.59	91	297350	20.164	ug/l	98
79) 2-Chlorotoluene	12.67	91	178902	20.767	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	208913	20.835	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	15976	19.472	ug/l	93
82) 4-Chlorotoluene	12.77	91	183943	20.841	ug/l	98
83) tert-Butylbenzene	12.99	119	186628	21.082	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	200702	19.939	ug/l	99
85) sec-Butylbenzene	13.17	105	238197	19.753	ug/l	99
86) p-Isopropyltoluene	13.29	119	199971	19.577	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	105883	20.321	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	103455	19.971	ug/l	99
89) n-Butylbenzene	13.61	91	139691	15.922	ug/l	99
90) Hexachloroethane	13.87	117	36355	20.094	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	101338	20.075	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9657	21.486	ug/l	96

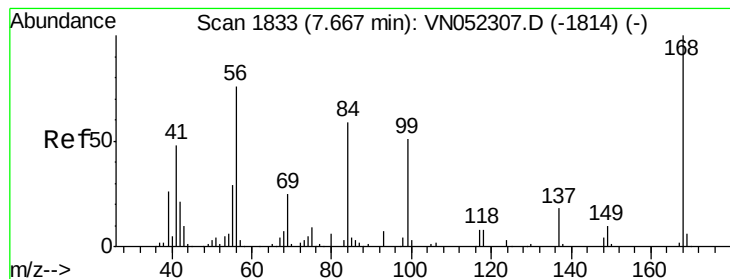
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	27919	13.607	ug/l	100
94) Hexachlorobutadiene	15.01	225	19934	17.253	ug/l	98
95) Naphthalene	15.13	128	68571	14.313	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	26697	13.918	ug/l	95

(#) = 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: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

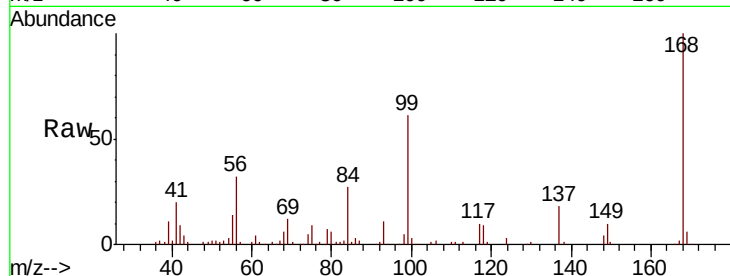
VN1114WBSD01

Tot Ion:168 Resp: 261677

Ion Ratio Lower Upper

168 100

99 60.7 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

120000

100000

80000

60000

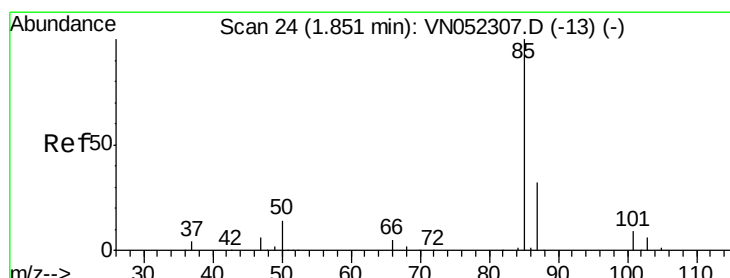
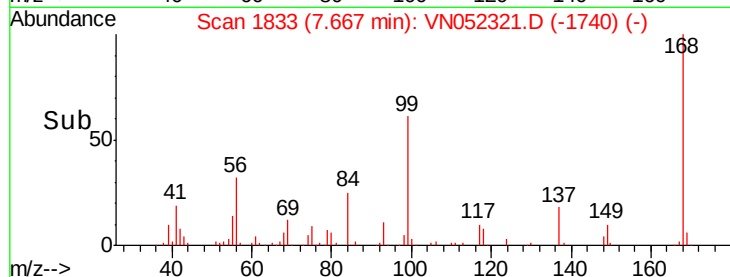
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.764 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052321.D

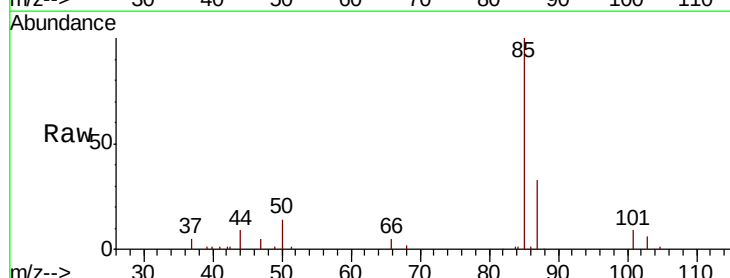
Acq: 14 Nov 2018 18:55

Tgt Ion: 85 Resp: 57575

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

30000

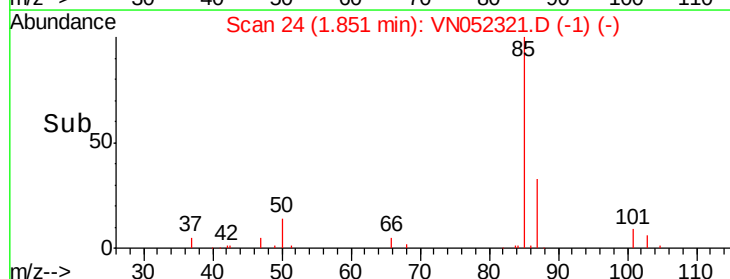
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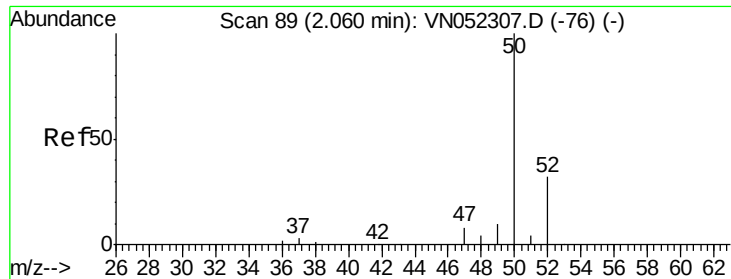
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.901 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

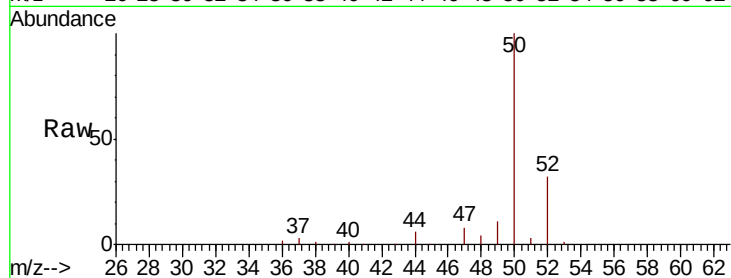
VN1114WBSD01

Tot Ion: 50 Resp: 80542

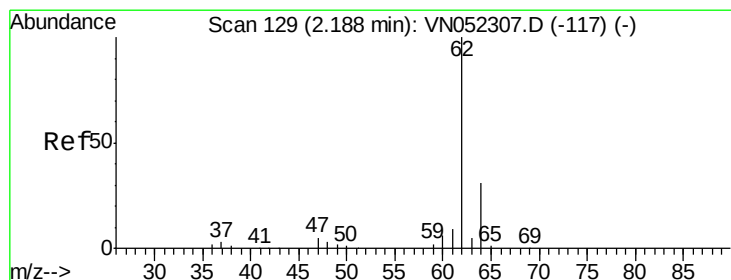
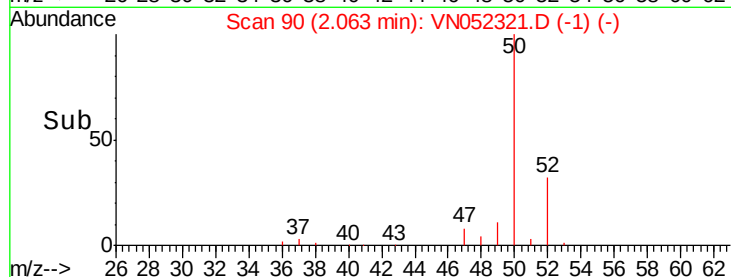
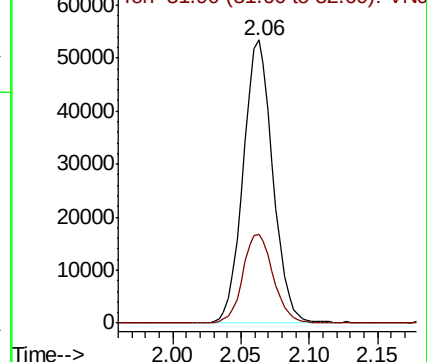
Ion Ratio Lower Upper

50 100

52 31.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.773 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052321.D

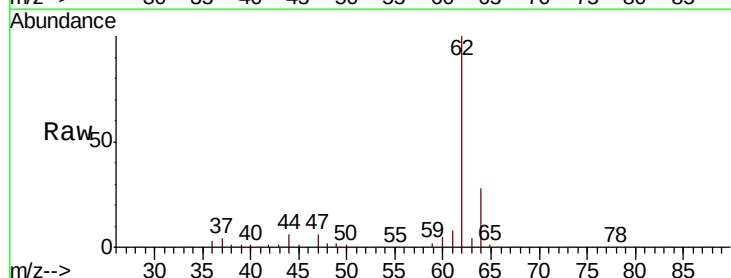
Acq: 14 Nov 2018 18:55

Tgt Ion: 62 Resp: 69195

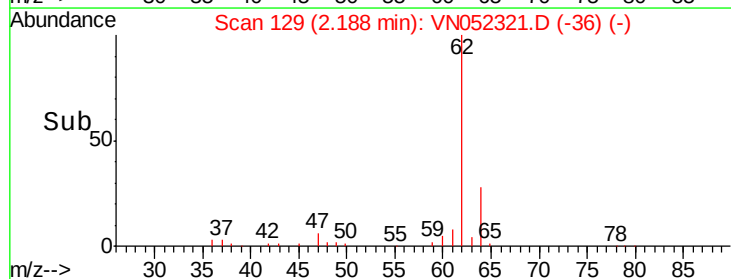
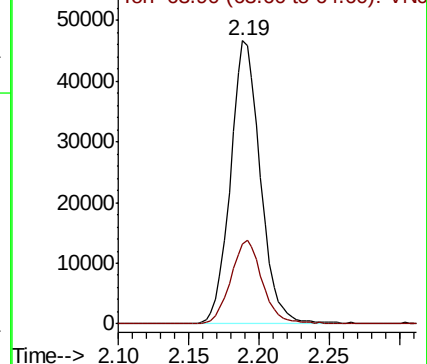
Ion Ratio Lower Upper

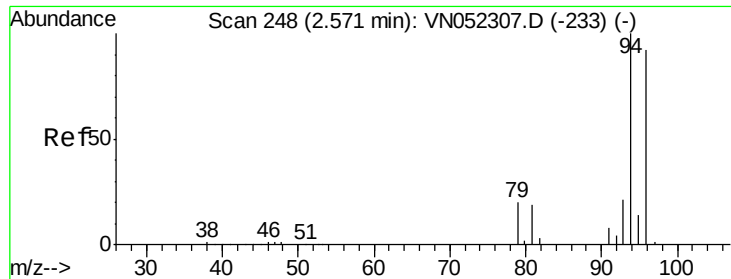
62 100

64 28.3 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO

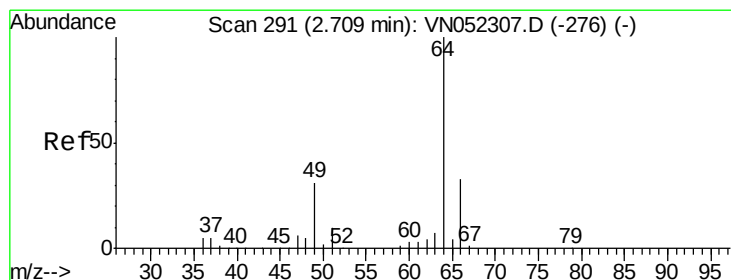
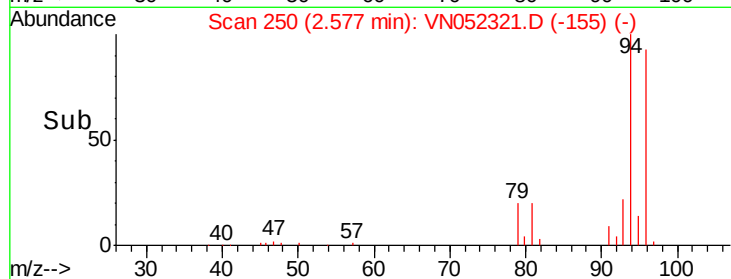
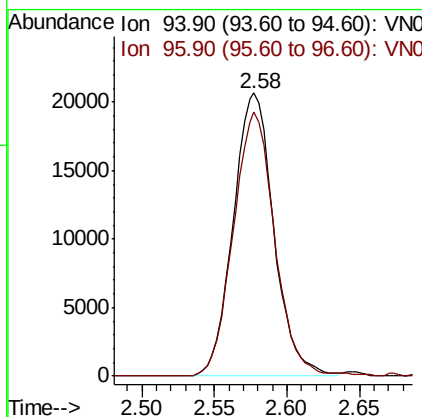
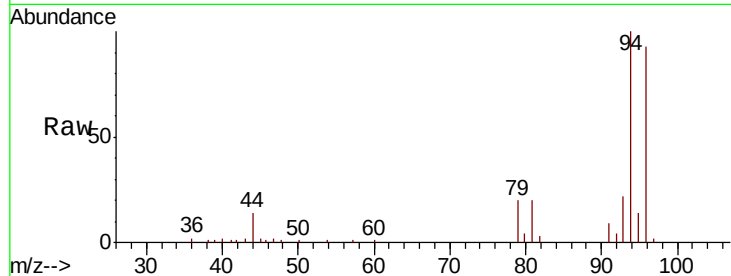




#5
Bromomethane
Concen: 19.339 ug/l
RT: 2.58 min Scan# 250
Delta R.T. 0.01 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

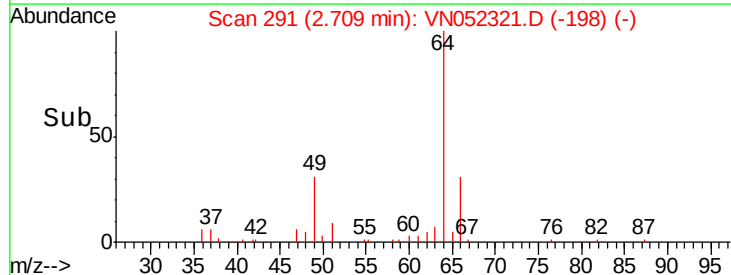
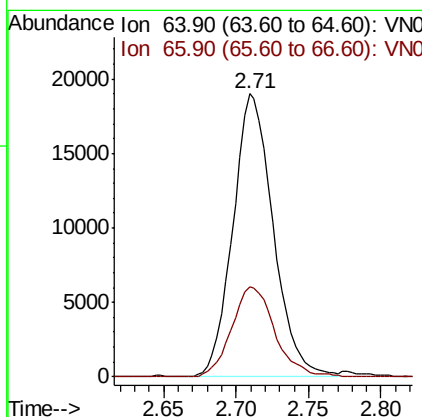
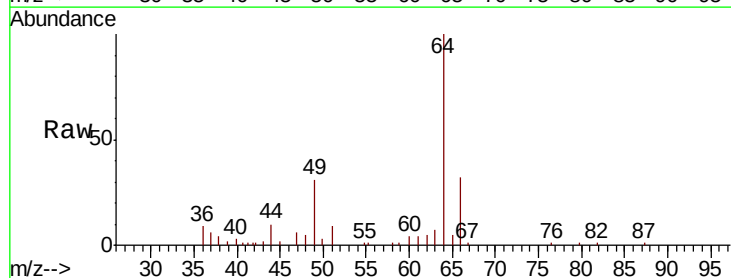
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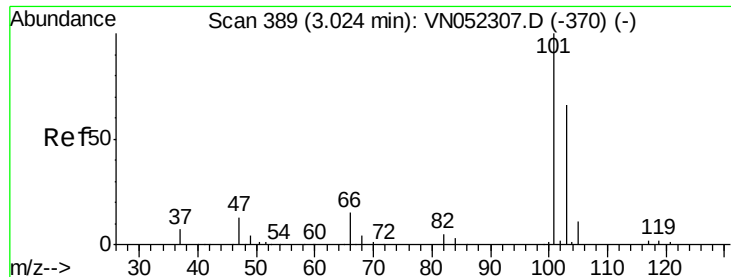
Tot Ion: 94 Resp: 40160
Ion Ratio Lower Upper
94 100
96 93.1 73.6 110.4



#6
Chloroethane
Concen: 19.539 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Tgt Ion: 64 Resp: 36798
Ion Ratio Lower Upper
64 100
66 31.7 26.2 39.2



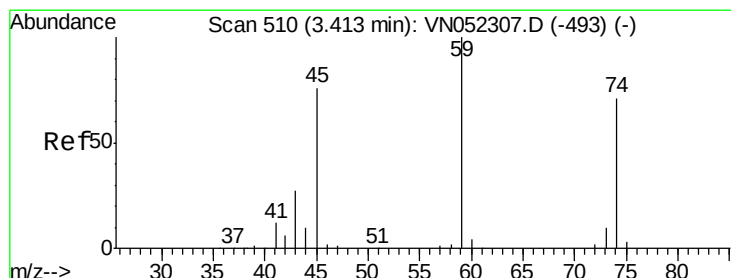
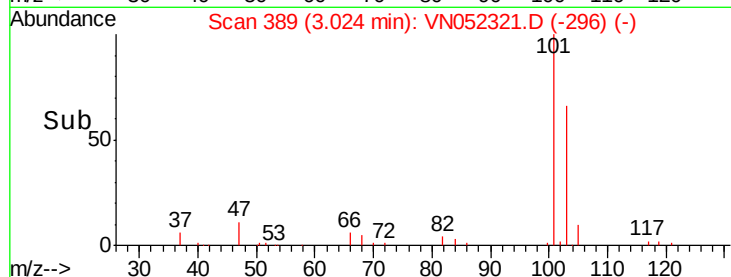
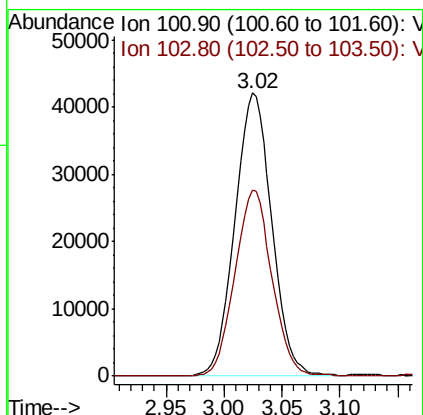
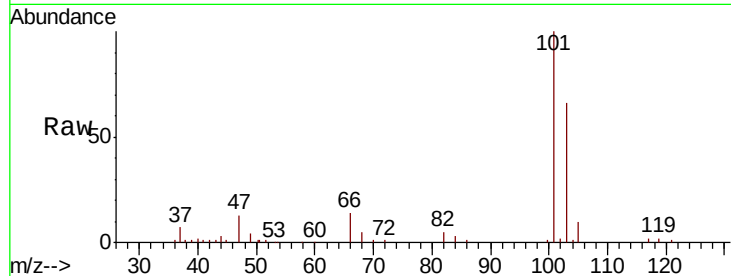


#7

Trichlorofluoromethane
 Concen: 20.159 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Instrument :
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 VN1114WBSD01

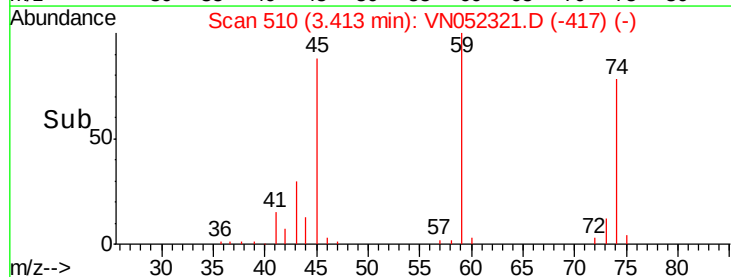
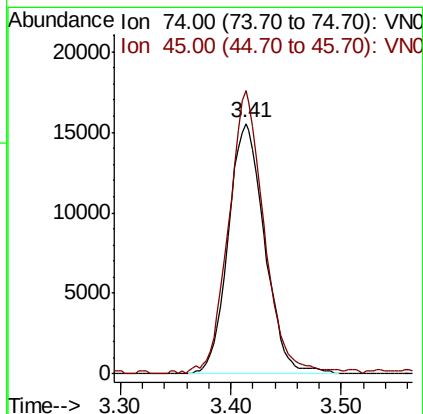
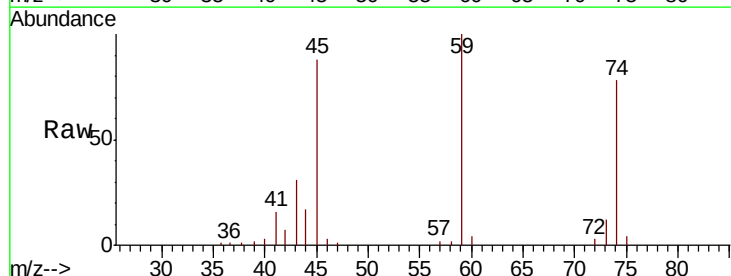
Tot Ion:101 Resp: 92921
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.8 79.2

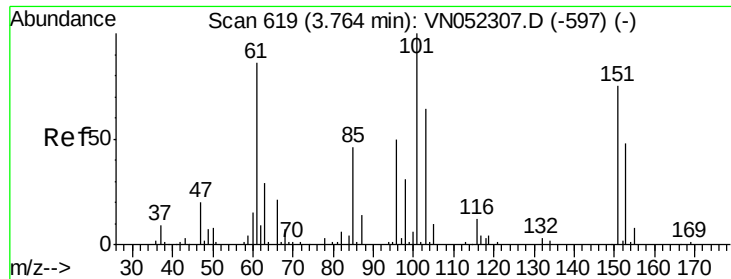


#8

Diethyl Ether
 Concen: 20.242 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Tgt Ion: 74 Resp: 35561
 Ion Ratio Lower Upper
 74 100
 45 110.1 54.3 162.9

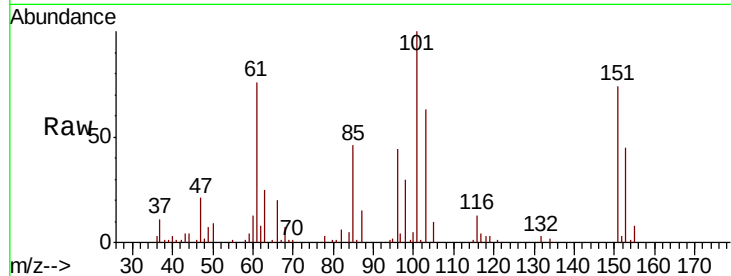




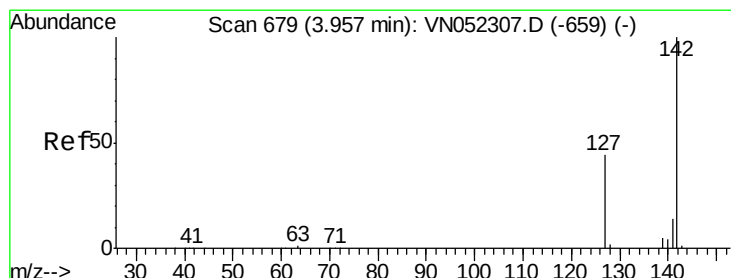
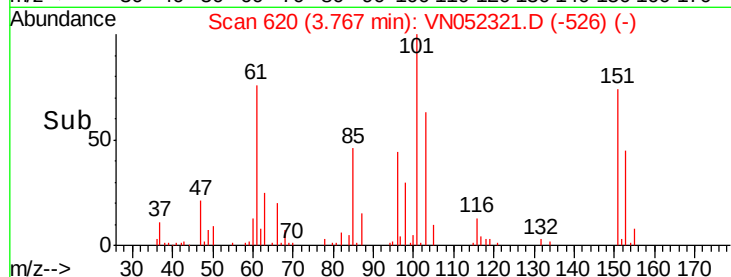
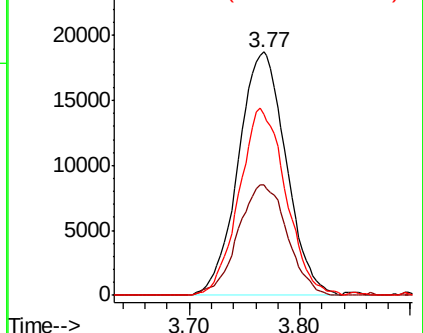
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.289 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Instrument :
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 VN1114WBSD01

Tot Ion:101 Resp: 56148
 Ion Ratio Lower Upper
 101 100
 85 46.9 37.4 56.0
 151 75.2 58.6 88.0

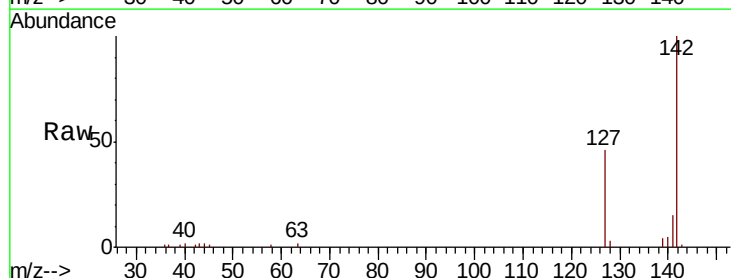


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

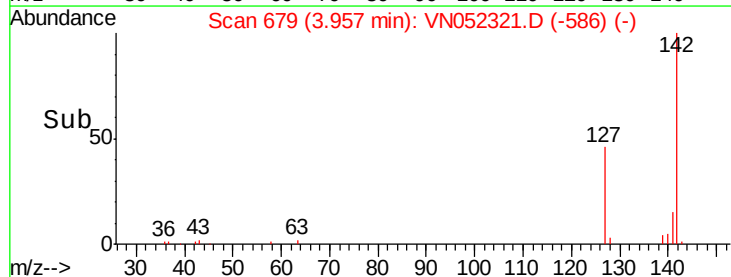
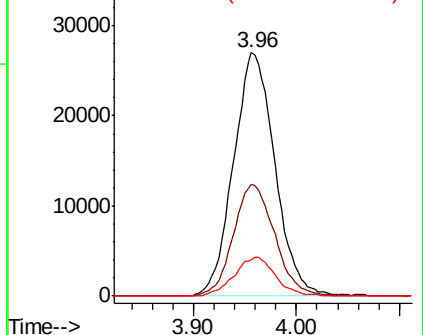


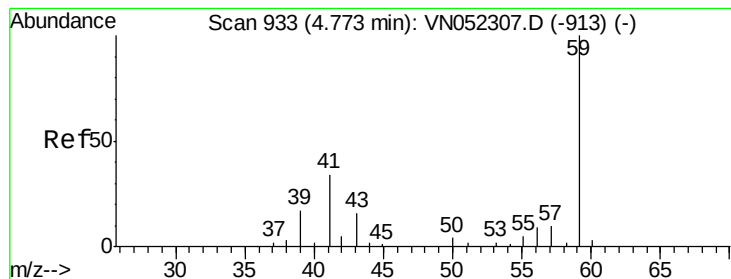
#10
 Methyl Iodide
 Concen: 19.259 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Tgt Ion:142 Resp: 75270
 Ion Ratio Lower Upper
 142 100
 127 45.8 36.3 54.5
 141 15.9 11.4 17.2



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



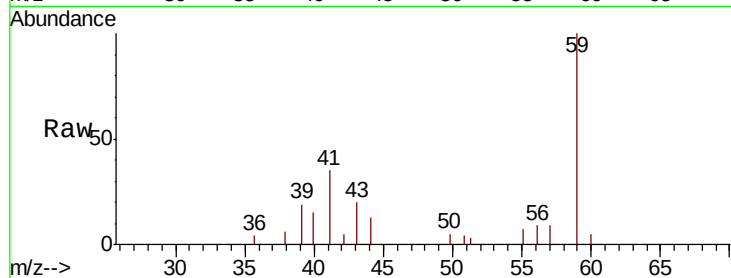


#11

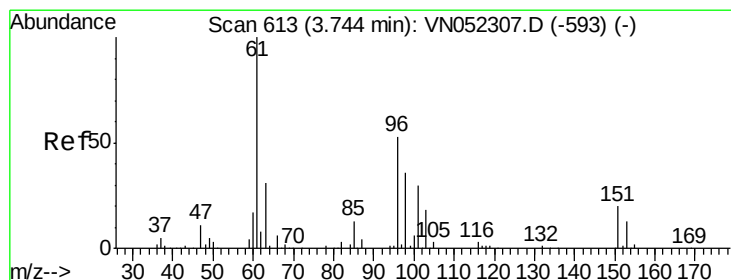
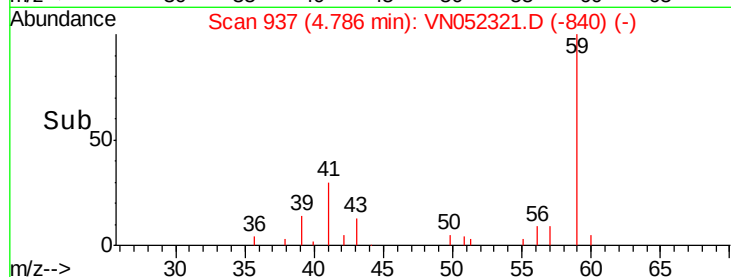
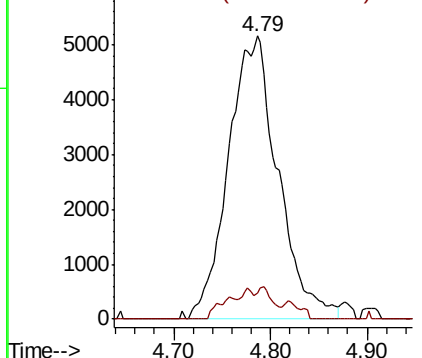
Tert butyl alcohol
 Concen: 94.348 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Tot Ion: 59 Resp: 18415
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



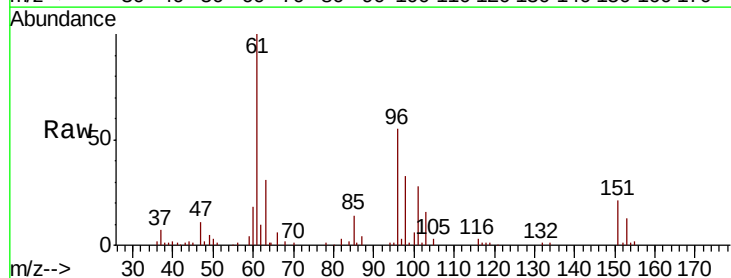
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



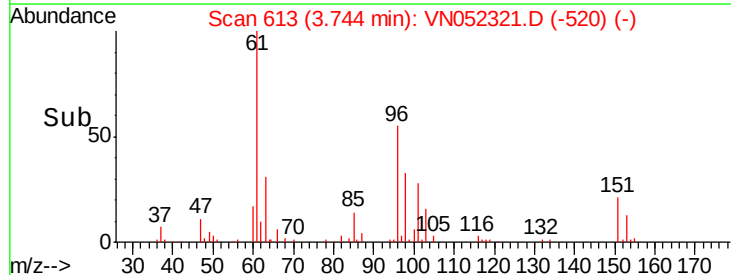
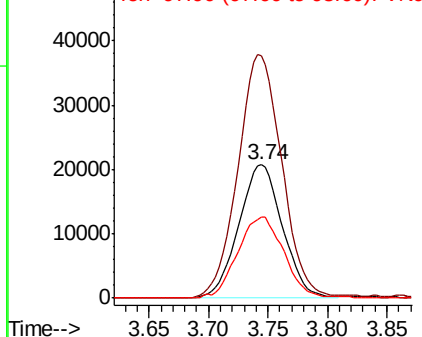
#12

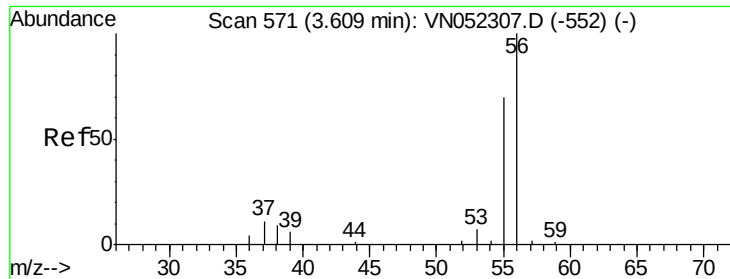
1,1-Dichloroethene
 Concen: 19.602 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Tgt Ion: 96 Resp: 52802
 Ion Ratio Lower Upper
 96 100
 61 182.0 149.6 224.4
 98 61.0 54.2 81.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 99.373 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

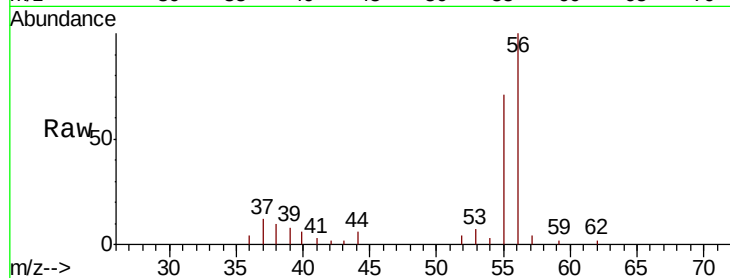
VN1114WBSD01

Tot Ion: 56 Resp: 25025

Ion Ratio Lower Upper

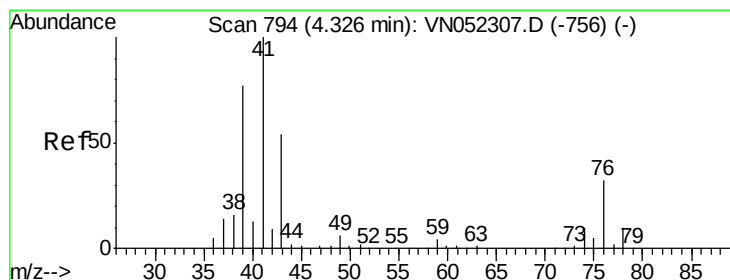
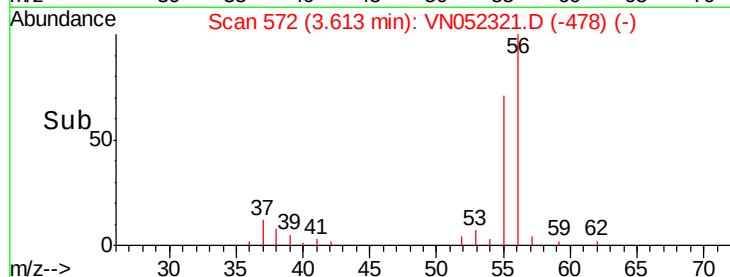
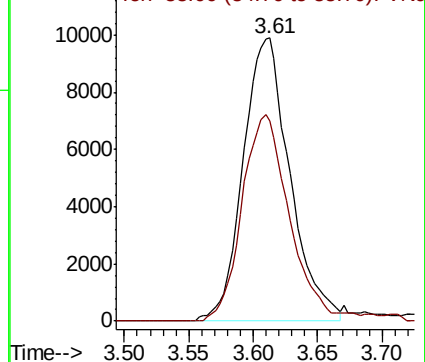
56 100

55 73.3 57.6 86.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.798 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

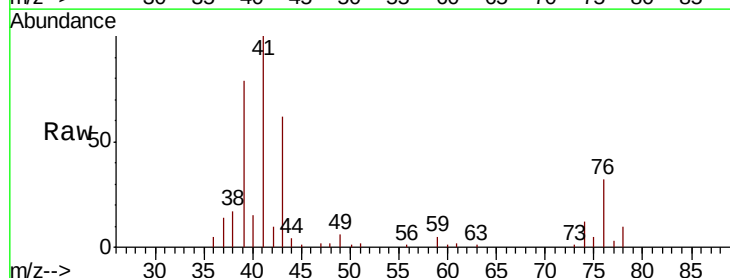
Tgt Ion: 41 Resp: 109503

Ion Ratio Lower Upper

41 100

39 74.3 59.1 88.7

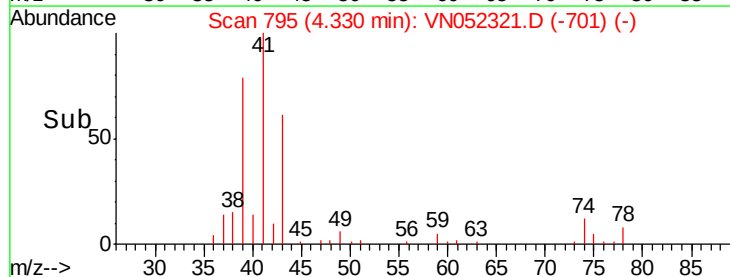
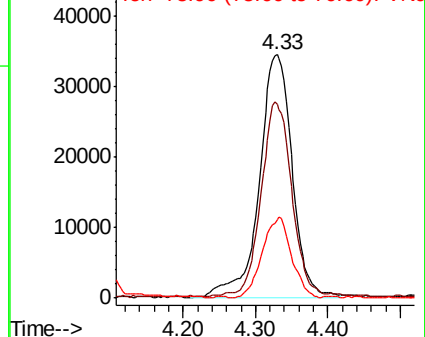
76 29.5 24.1 36.1

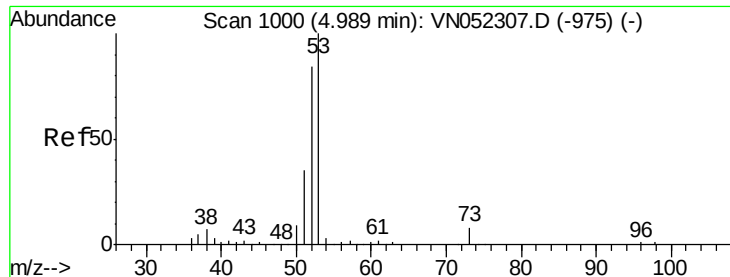


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.201 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

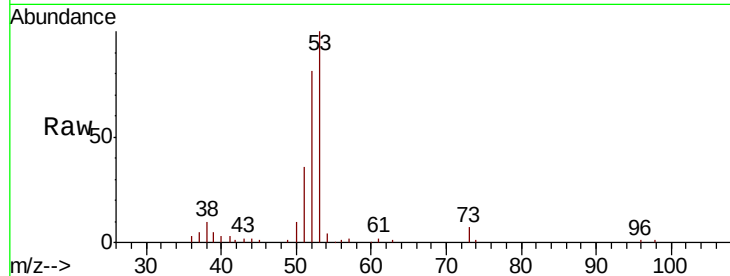
Tot Ion: 53 Resp: 111675

Ion Ratio Lower Upper

53 100

52 81.9 67.5 101.3

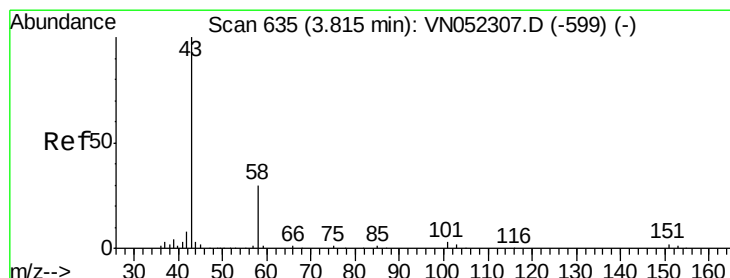
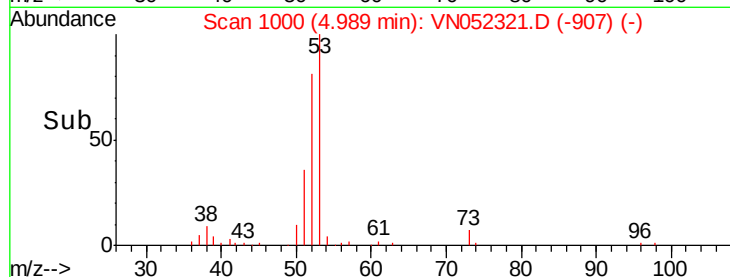
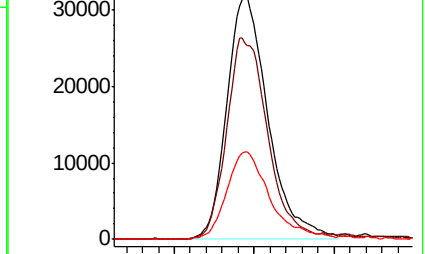
51 37.9 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN052307.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN052307.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN052307.D (-975) (-)



#16

Acetone

Concen: 79.031 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052321.D

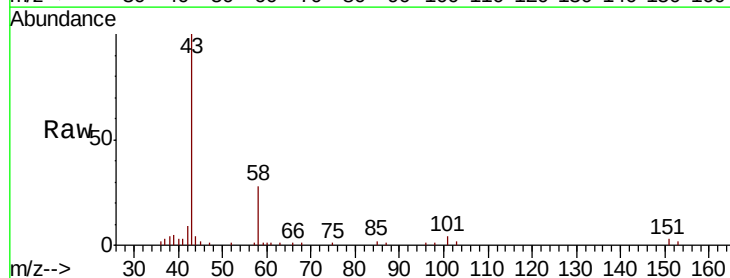
Acq: 14 Nov 2018 18:55

Tgt Ion: 43 Resp: 80421

Ion Ratio Lower Upper

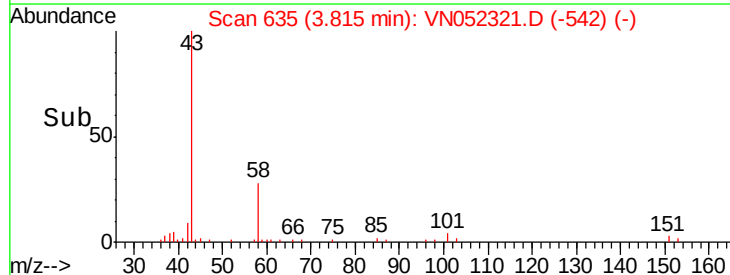
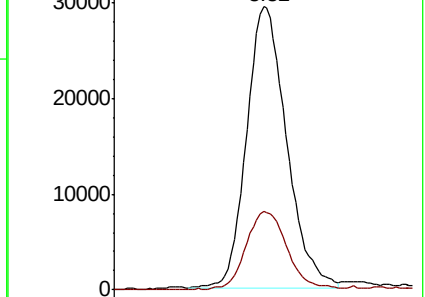
43 100

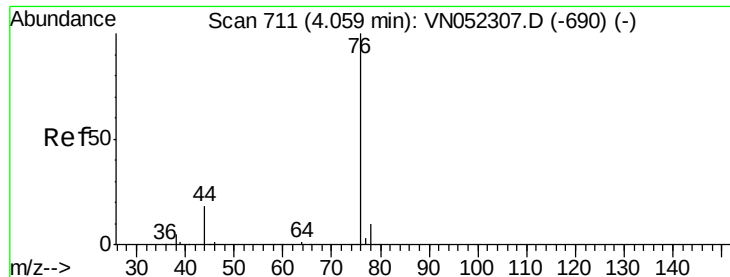
58 27.8 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-599) (-)





#17

Carbon Disulfide

Concen: 19.303 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

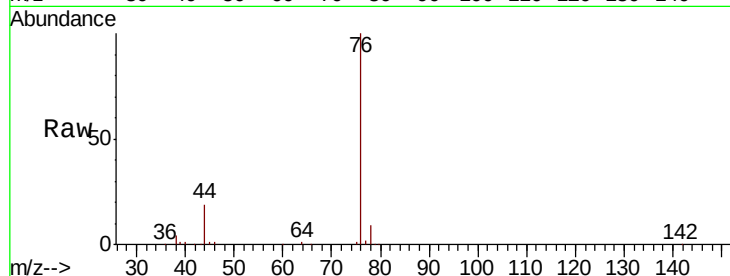
VN1114WBSD01

Tot Ion: 76 Resp: 149105

Ion Ratio Lower Upper

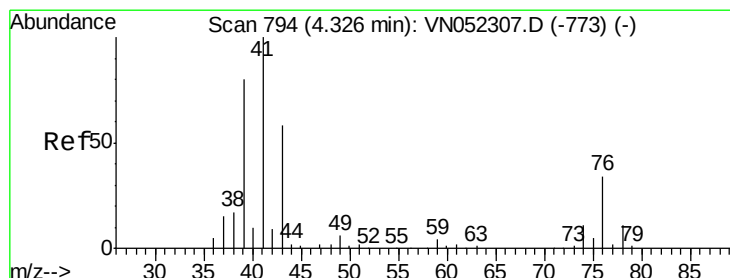
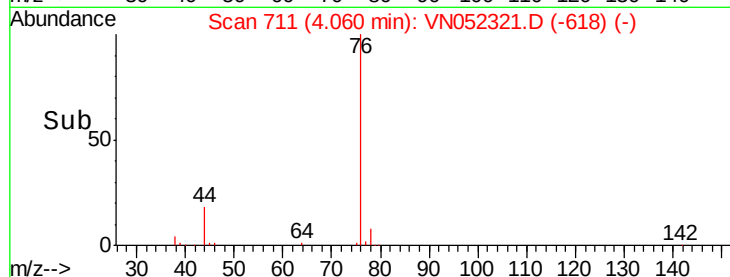
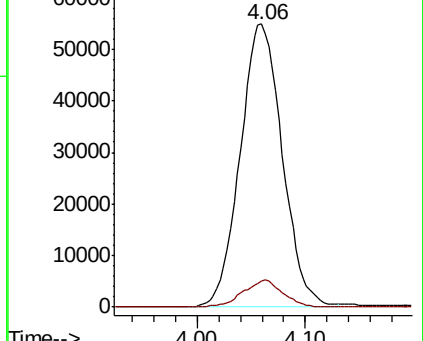
76 100

78 9.2 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.249 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052321.D

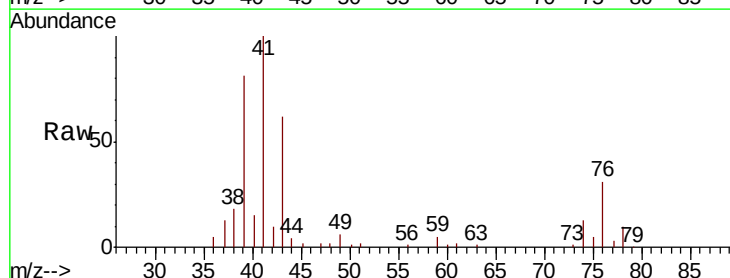
Acq: 14 Nov 2018 18:55

Tgt Ion: 43 Resp: 62754

Ion Ratio Lower Upper

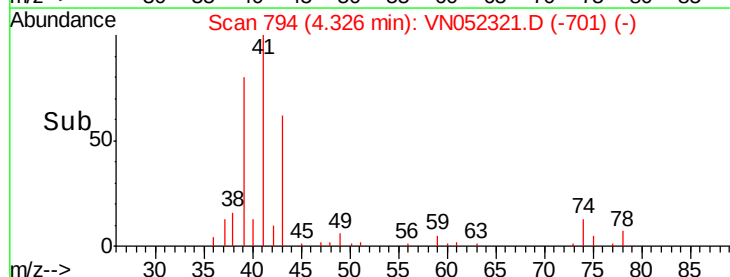
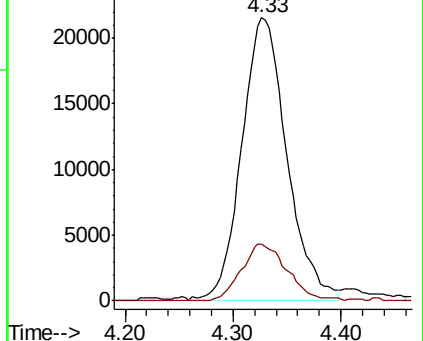
43 100

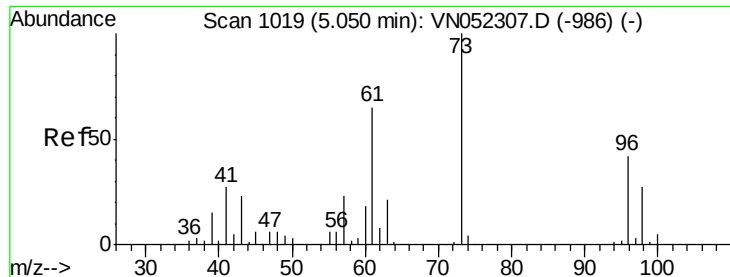
74 20.0 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

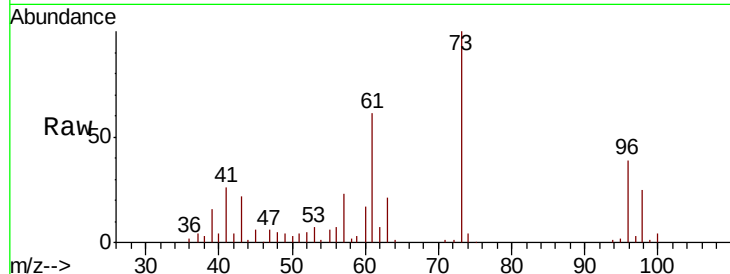




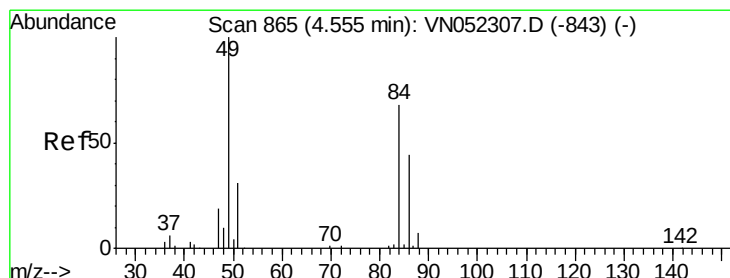
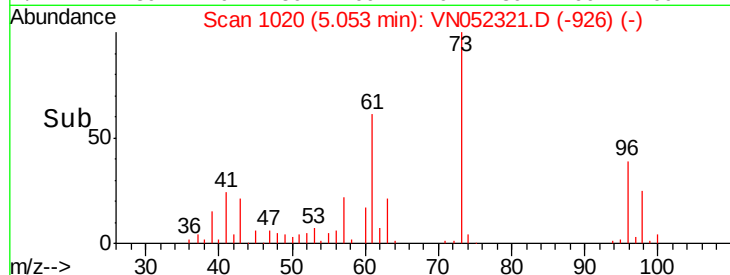
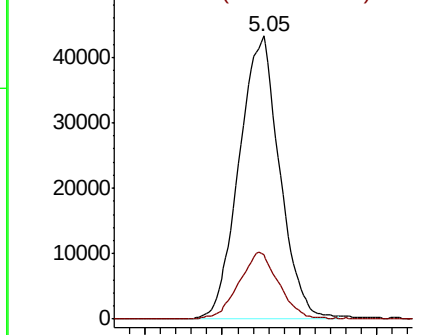
#19
Methyl tert-butyl Ether
Concen: 20.433 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion: 73 Resp: 158171
Ion Ratio Lower Upper
73 100
57 22.6 18.7 28.1

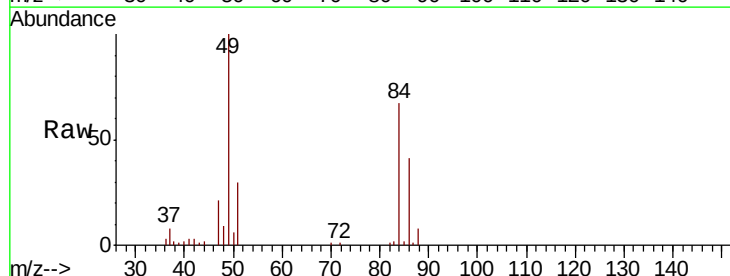


Abundance Ion 73.00 (72.70 to 73.70): VN052307.D (-986) (-)
Ion 57.00 (56.70 to 57.70): VN052307.D (-986) (-)

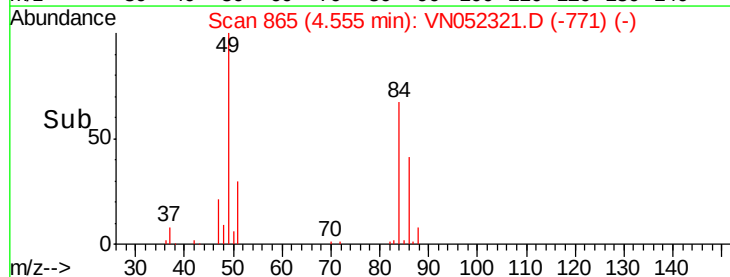
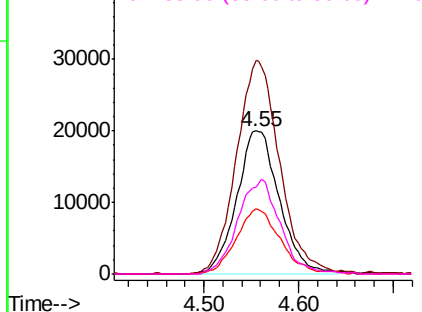


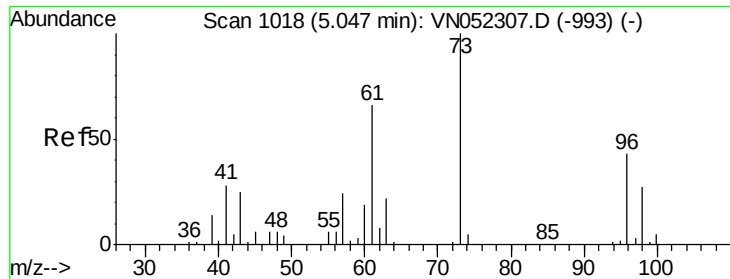
#20
Methylene Chloride
Concen: 19.813 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Tgt Ion: 84 Resp: 62647
Ion Ratio Lower Upper
84 100
49 149.3 118.2 177.2
51 45.3 36.1 54.1
86 61.2 51.6 77.4



Abundance Ion 83.90 (83.60 to 84.60): VN052307.D (-843) (-)
Ion 48.90 (48.60 to 49.60): VN052307.D (-843) (-)
Ion 50.90 (50.60 to 51.60): VN052307.D (-843) (-)
Ion 85.90 (85.60 to 86.60): VN052307.D (-843) (-)

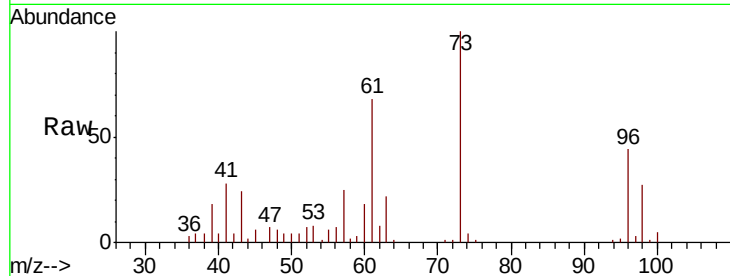




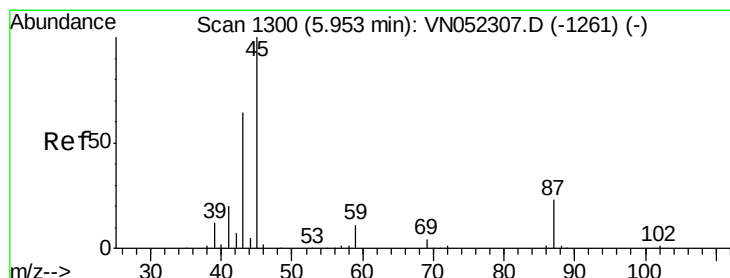
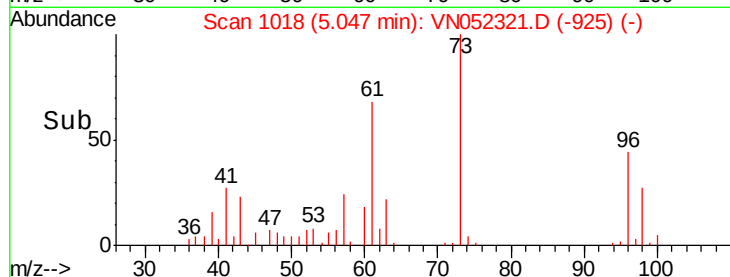
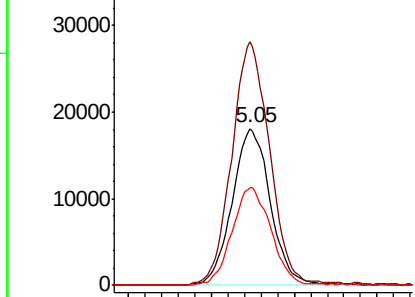
#21
trans-1,2-Dichloroethene
Concen: 19.989 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Instrument :
MSVOA_N
ClientSampled :
VN1114WBSD01

Tot Ion: 96 Resp: 57971
Ion Ratio Lower Upper
96 100
61 155.4 123.6 185.4
98 62.0 50.7 76.1

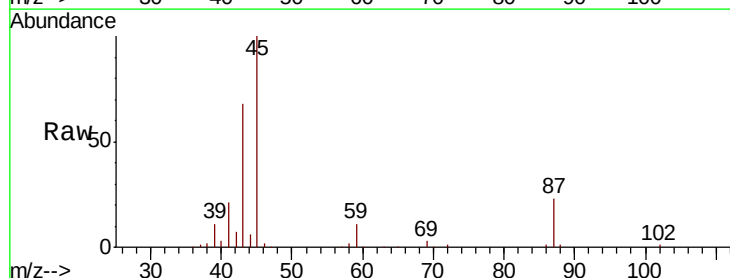


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

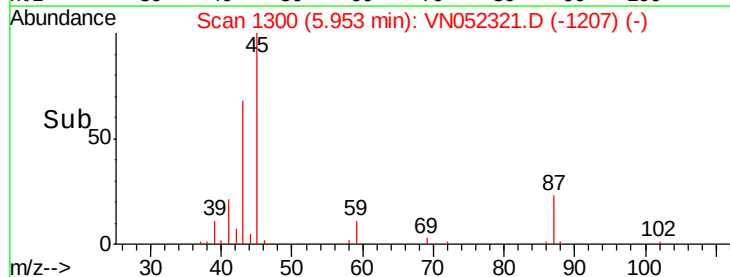
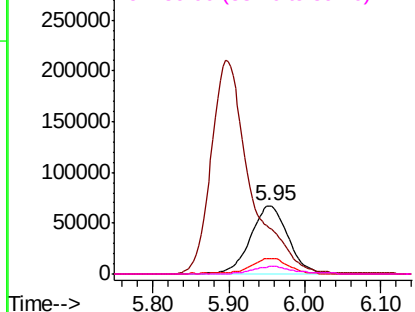


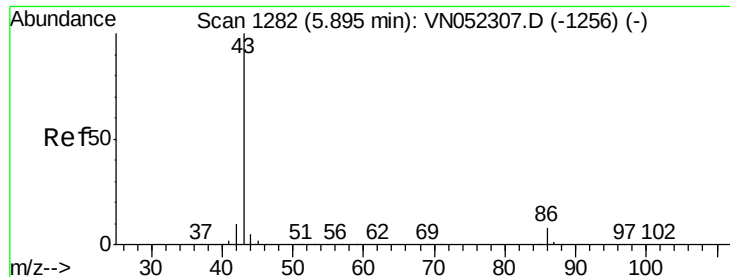
#22
Diisopropyl ether
Concen: 20.335 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Tgt Ion: 45 Resp: 229493
Ion Ratio Lower Upper
45 100
43 65.8 51.4 77.2
87 23.0 18.8 28.2
59 10.4 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

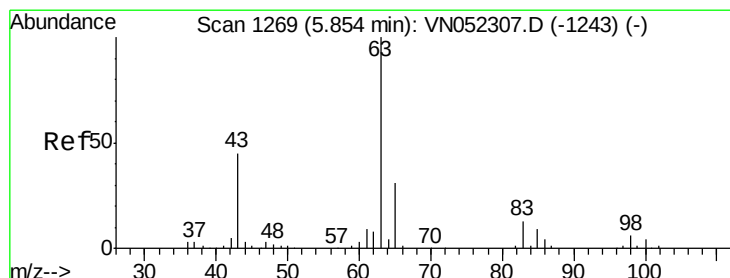
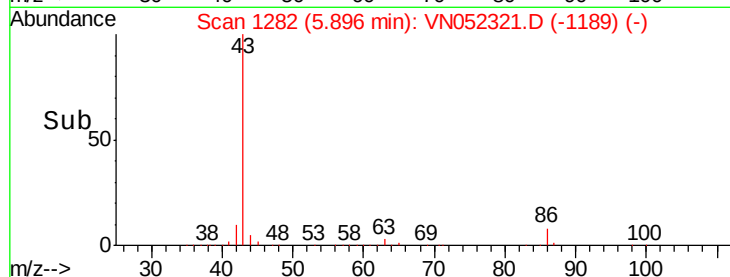
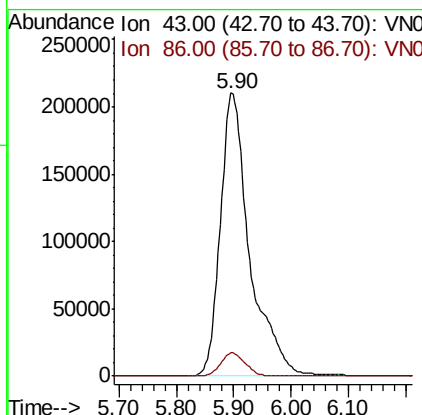
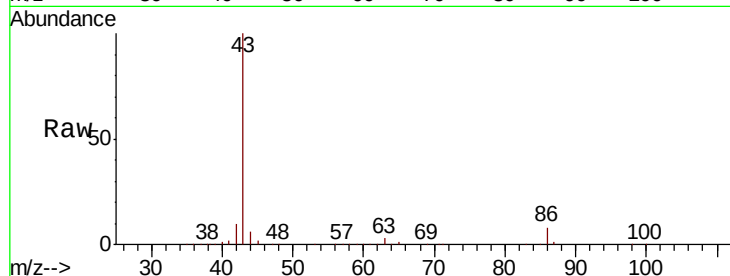




#23
 Vinyl Acetate
 Concen: 97.961 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

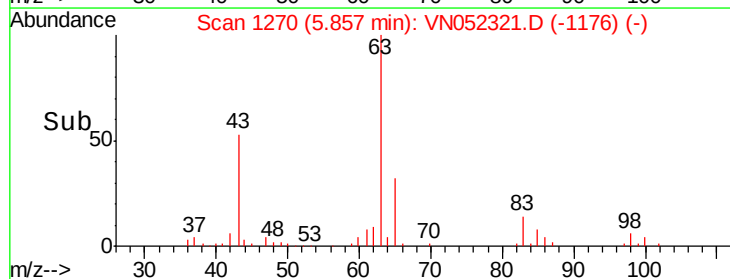
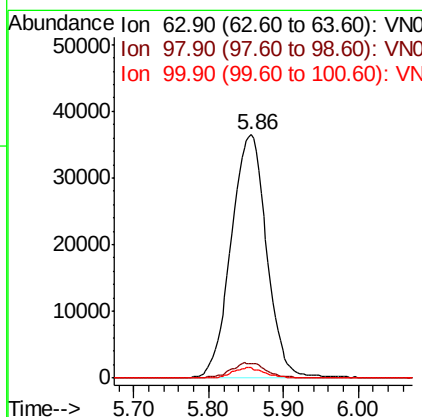
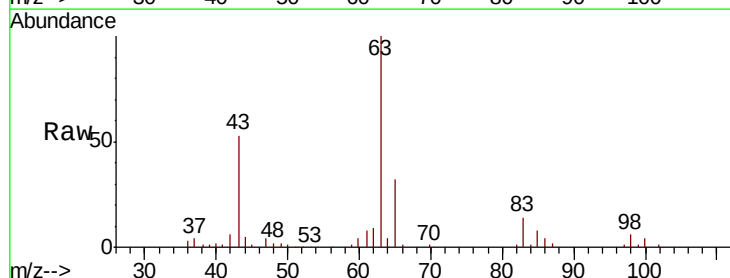
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

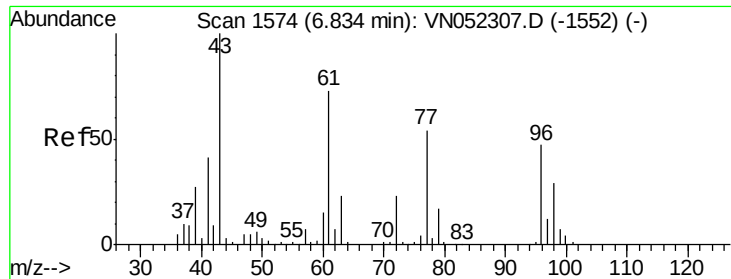
Tot Ion: 43 Resp: 749957
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 19.872 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Tgt Ion: 63 Resp: 120258
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.6
 100 4.1 1.9 5.7

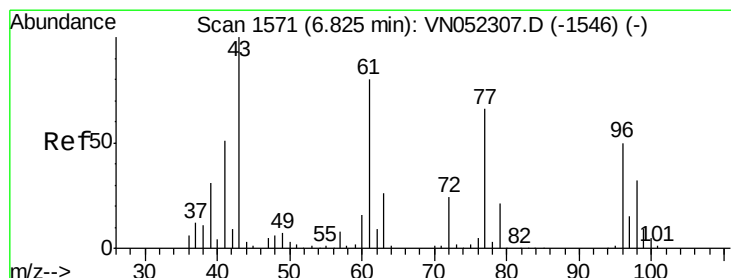
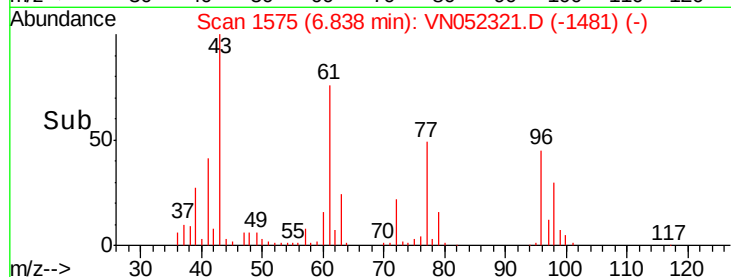
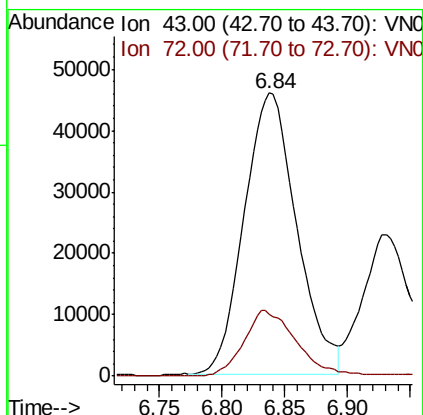
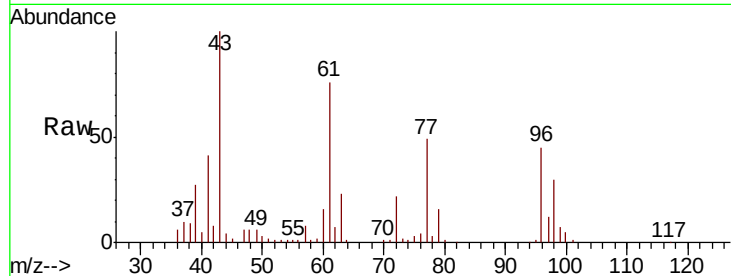




#25
2-Butanone
Concen: 93.350 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

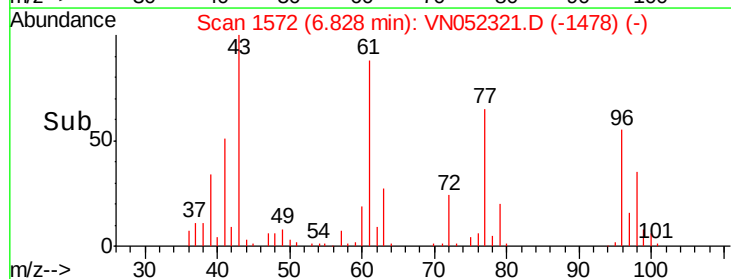
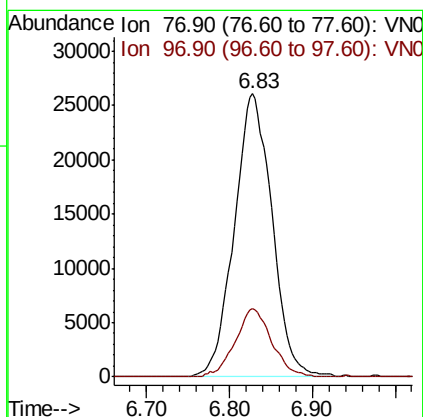
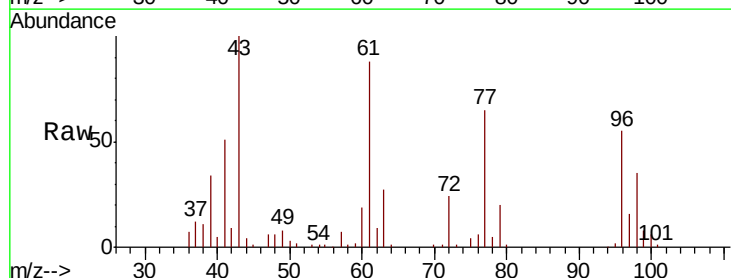
Instrument :
MSVOA_N
ClientSampleID :
VN1114WBSD01

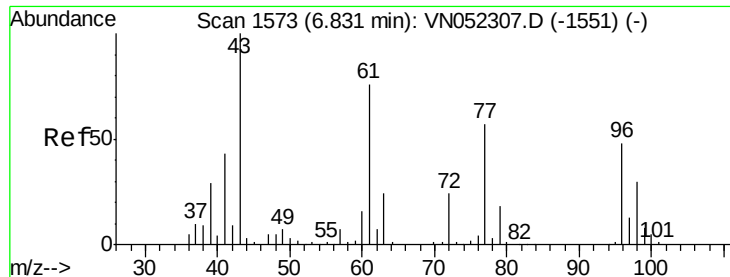
Tot Ion: 43 Resp: 133708
Ion Ratio Lower Upper
43 100
72 22.1 18.6 27.8



#26
2,2-Dichloropropane
Concen: 18.555 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Tgt Ion: 77 Resp: 82566
Ion Ratio Lower Upper
77 100
97 23.2 11.1 33.1

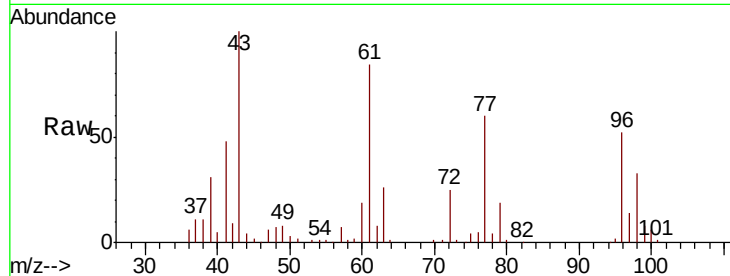




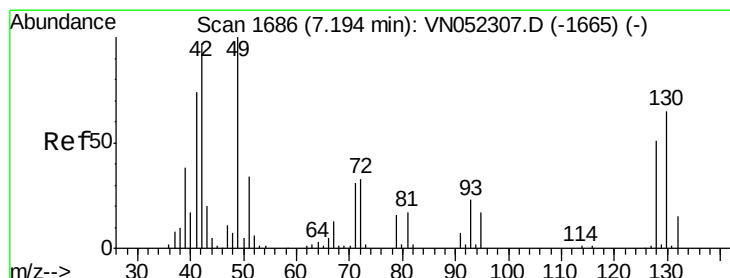
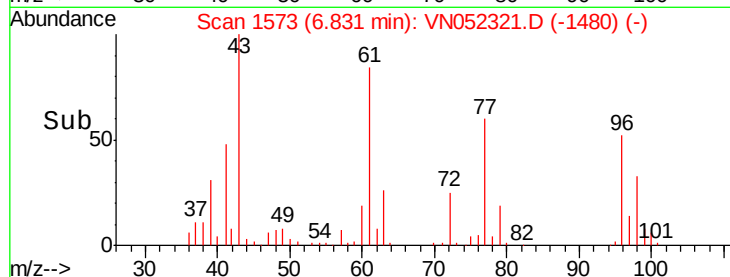
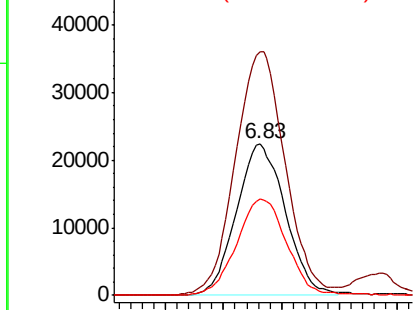
#27
 cis-1,2-Dichloroethene
 Concen: 19.403 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Tot Ion: 96 Resp: 65508
 Ion Ratio Lower Upper
 96 100
 61 164.2 0.0 316.8
 98 64.8 0.0 126.6

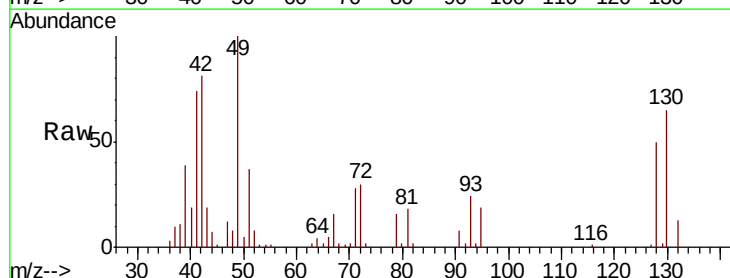


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

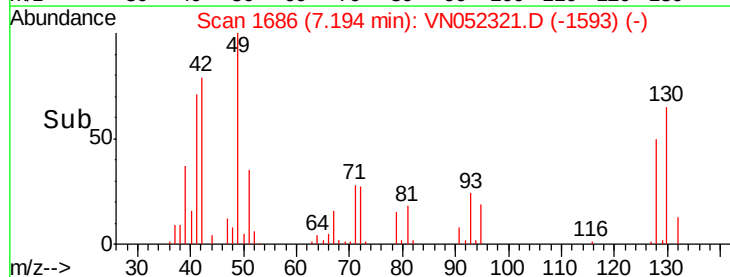
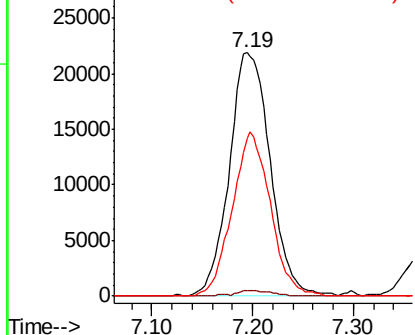


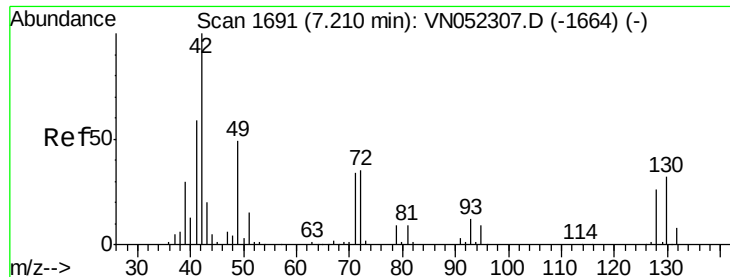
#28
 Bromochloromethane
 Concen: 19.830 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Tgt Ion: 49 Resp: 61703
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.0
 130 62.7 50.4 75.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.186 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

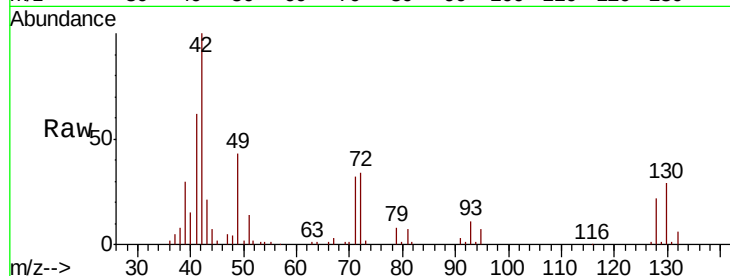
Tot Ion: 42 Resp: 95210

Ion Ratio Lower Upper

42 100

72 35.1 28.6 42.8

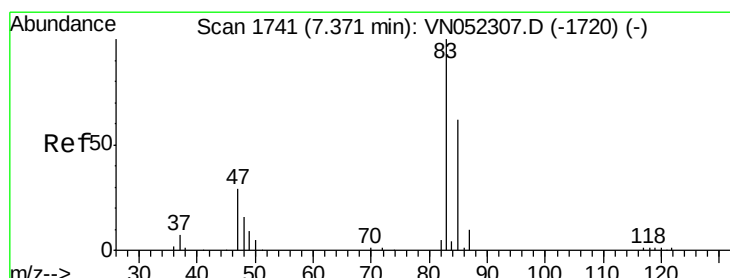
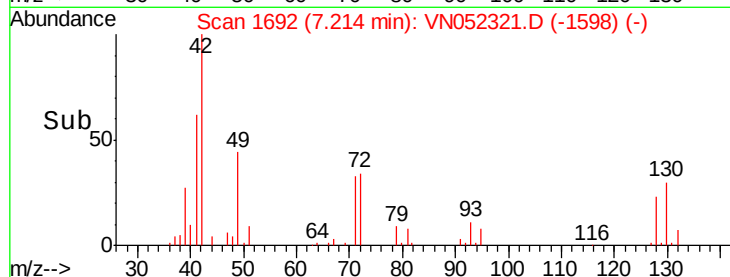
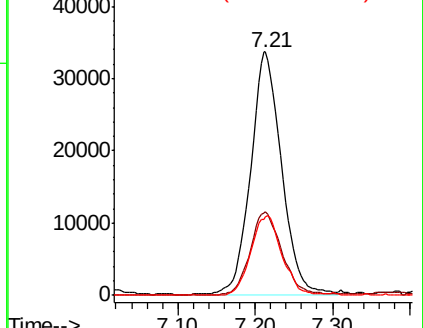
71 32.4 26.7 40.1



Abundance Ion 42.00 (41.70 to 42.70): VN052307.D (-1664) (-)

Ion 72.00 (71.70 to 72.70): VN052307.D (-1664) (-)

Ion 71.00 (70.70 to 71.70): VN052307.D (-1664) (-)



#30

Chloroform

Concen: 22.273 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN052321.D

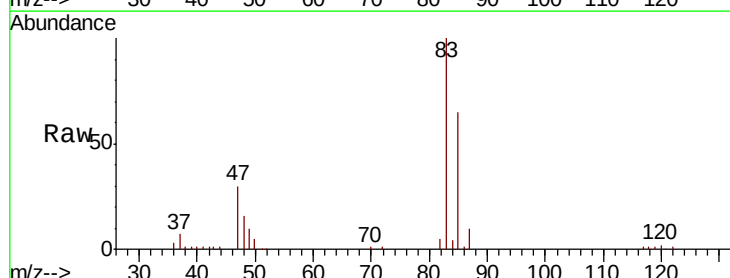
Acq: 14 Nov 2018 18:55

Tgt Ion: 83 Resp: 128452

Ion Ratio Lower Upper

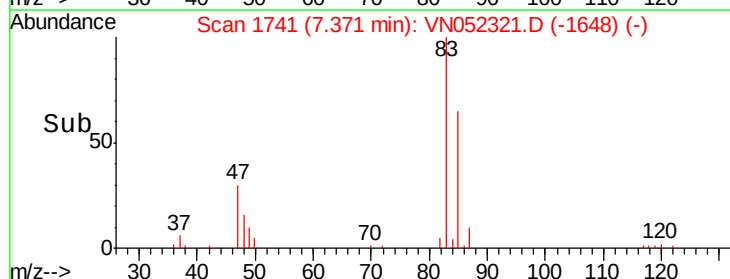
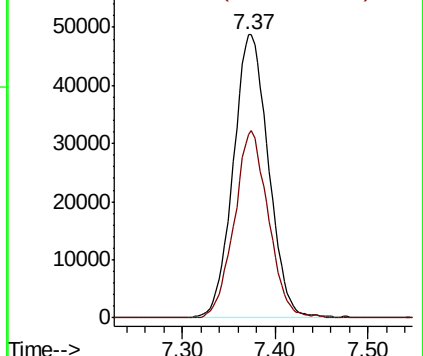
83 100

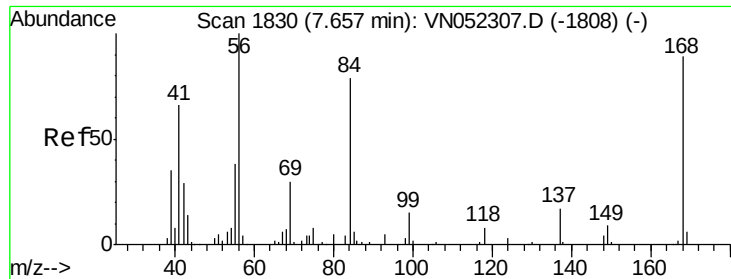
85 64.9 49.4 74.2



Abundance Ion 82.90 (82.60 to 83.60): VN052307.D (-1720) (-)

Ion 84.90 (84.60 to 85.60): VN052307.D (-1720) (-)

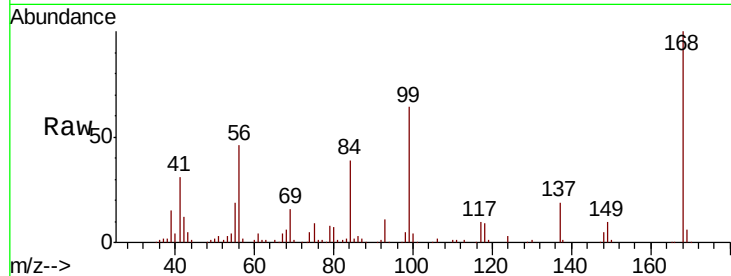




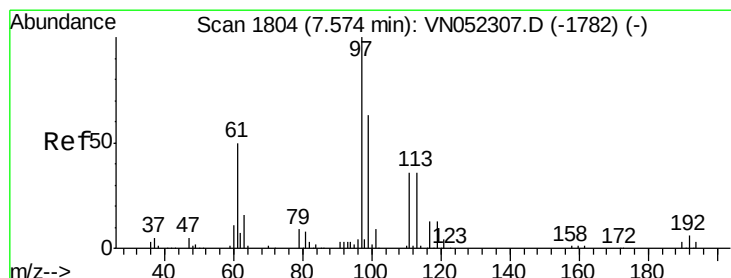
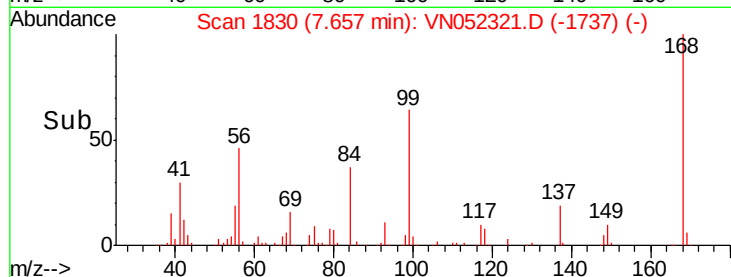
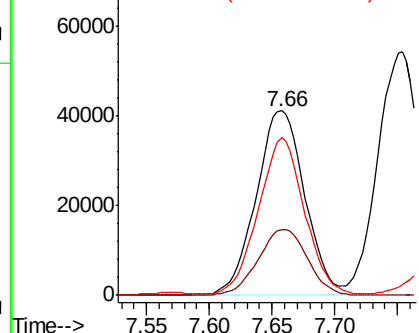
#31
Cyclohexane
Concen: 19.120 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Instrument :
MSVOA_N
ClientSampled :
VN1114WBSD01

Tot Ion: 56 Resp: 111106
Ion Ratio Lower Upper
56 100
69 35.8 23.8 35.8#
84 84.5 63.0 94.6

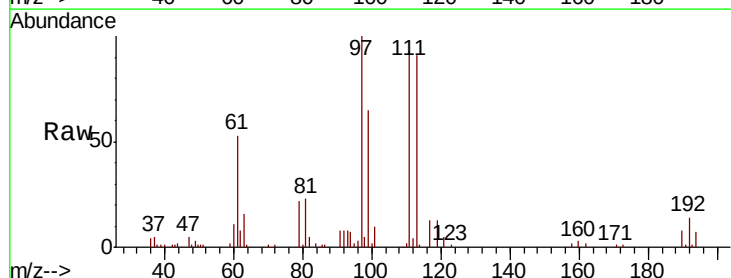


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

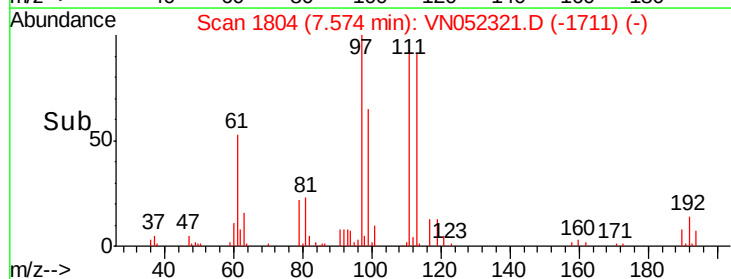
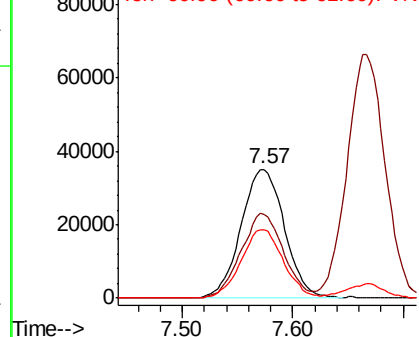


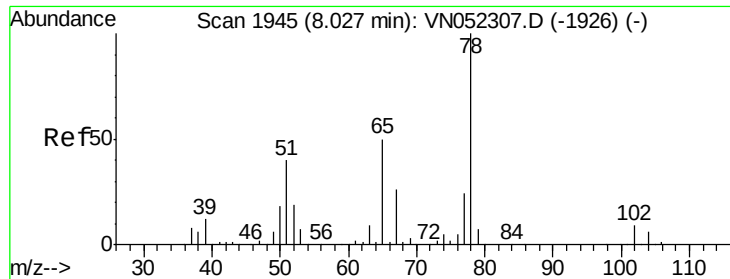
#32
1,1,1-Trichloroethane
Concen: 19.497 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Tgt Ion: 97 Resp: 95787
Ion Ratio Lower Upper
97 100
99 64.4 50.2 75.2
61 51.7 40.2 60.4



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

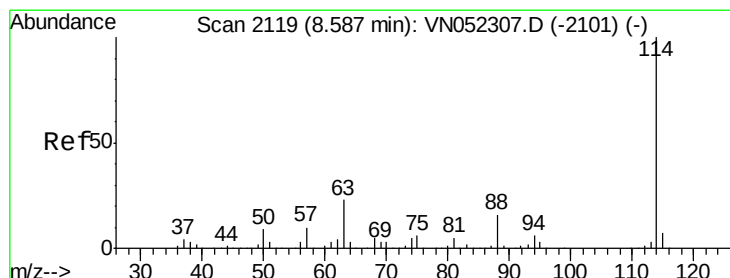
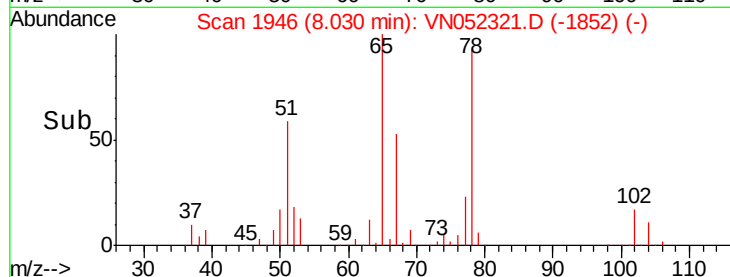
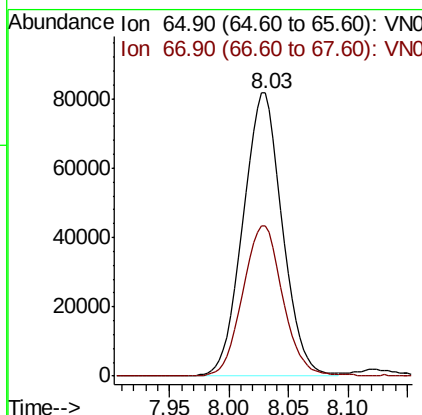
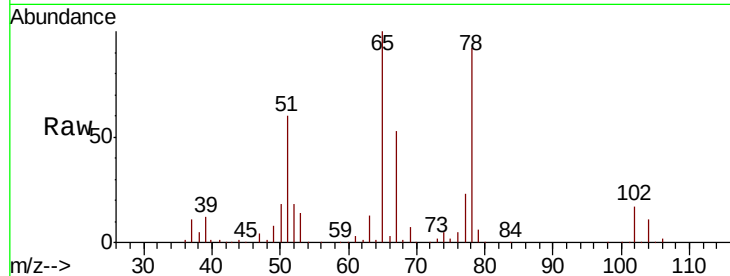




#33
 1,2-Dichloroethane-d4
 Concen: 19.497 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

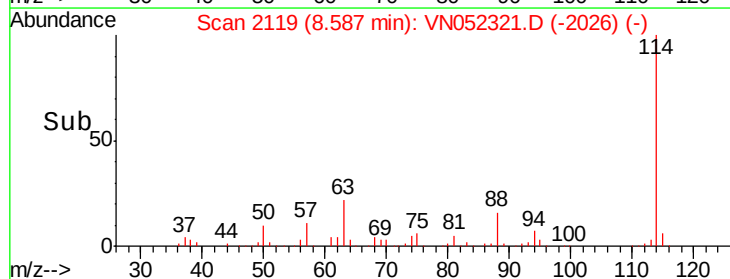
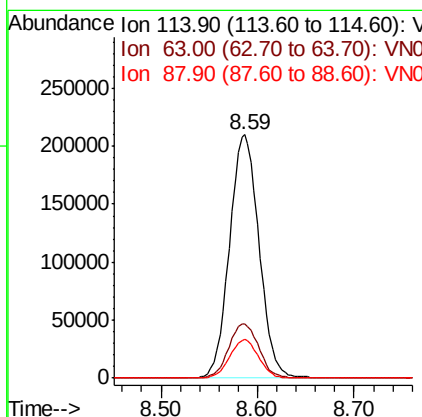
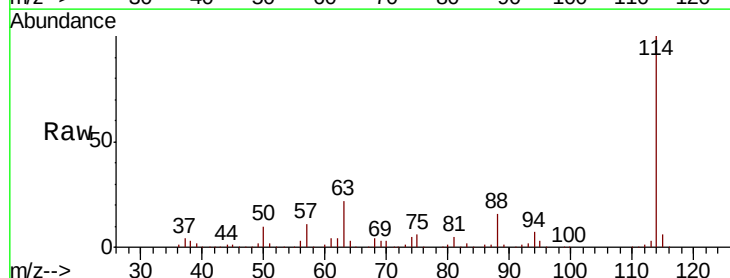
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

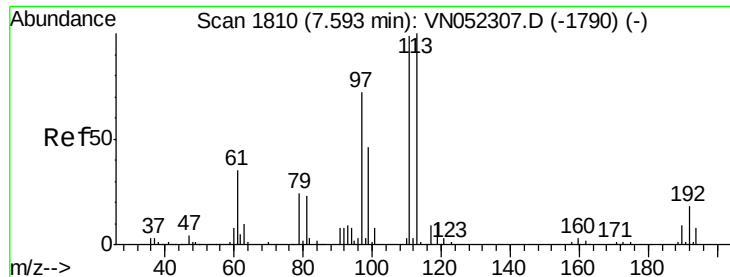
Tot Ion: 65 Resp: 187168
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Tgt Ion: 114 Resp: 443908
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.4
 88 15.9 0.0 31.2

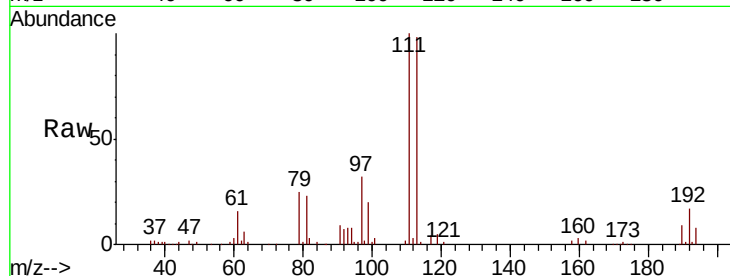




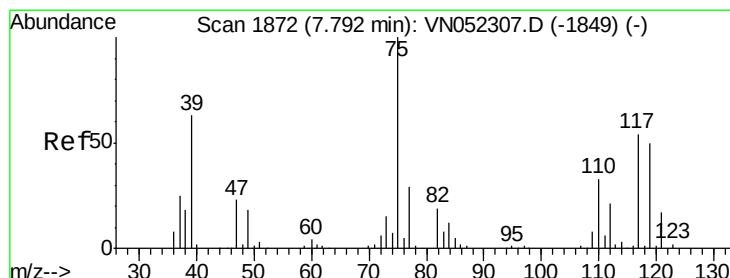
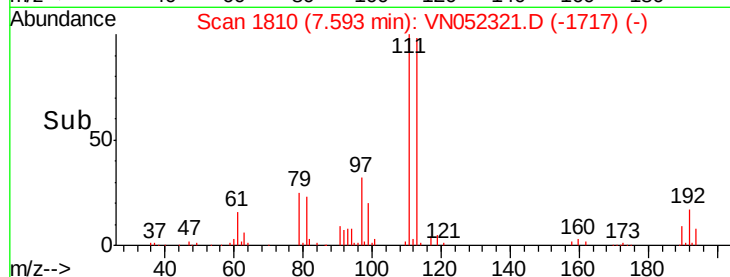
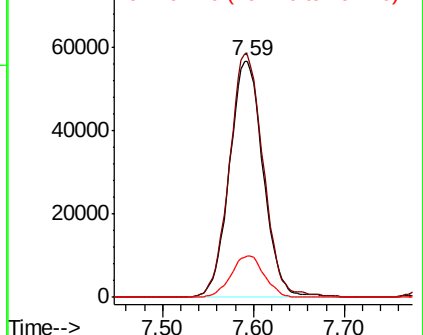
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Tot Ion:113 Resp: 146253
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.0 121.6
 192 17.4 13.8 20.6

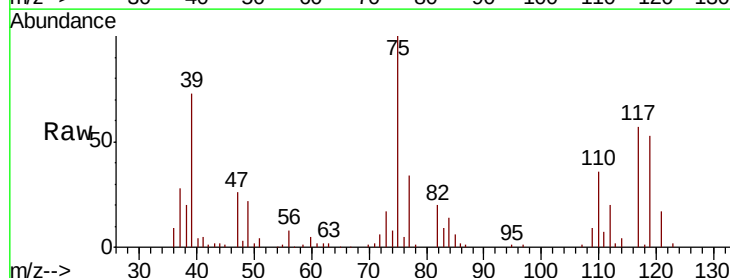


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

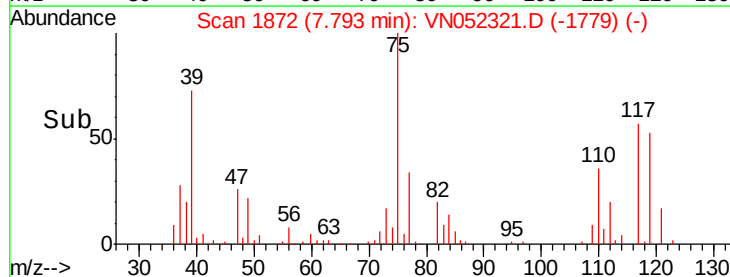
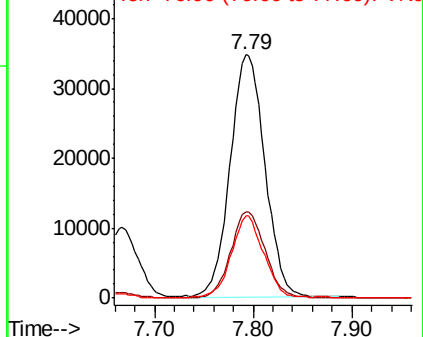


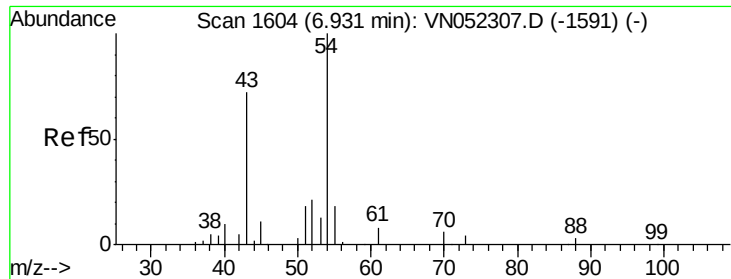
#36
 1,1-Dichloropropene
 Concen: 19.030 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Tgt Ion: 75 Resp: 84671
 Ion Ratio Lower Upper
 75 100
 110 35.3 16.5 49.5
 77 31.7 24.2 36.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

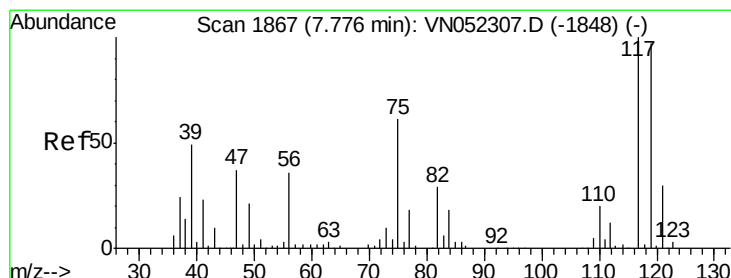
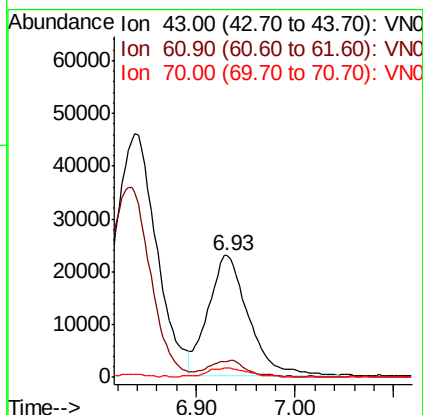
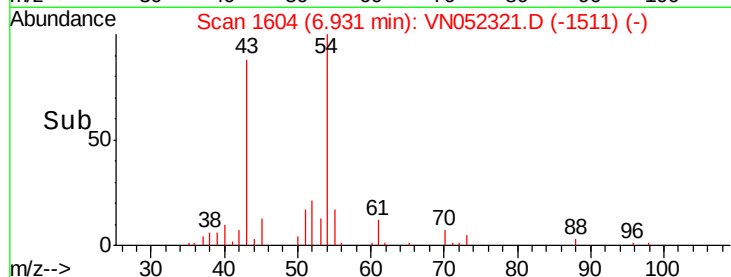
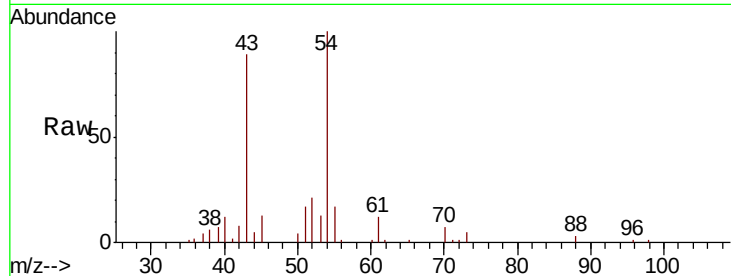




#37
Ethyl Acetate
Concen: 19.903 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

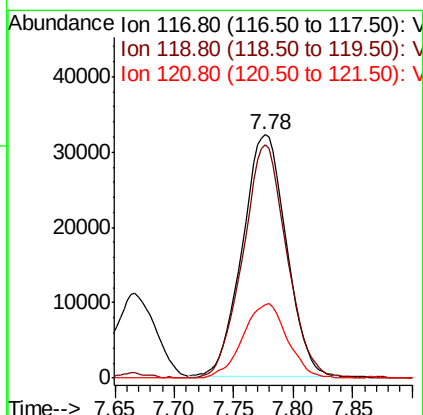
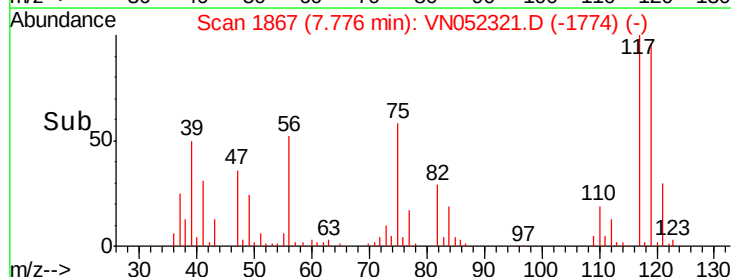
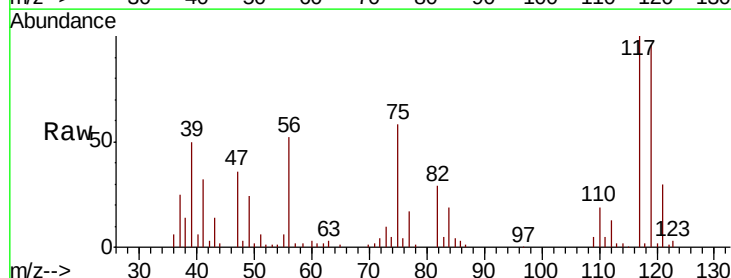
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

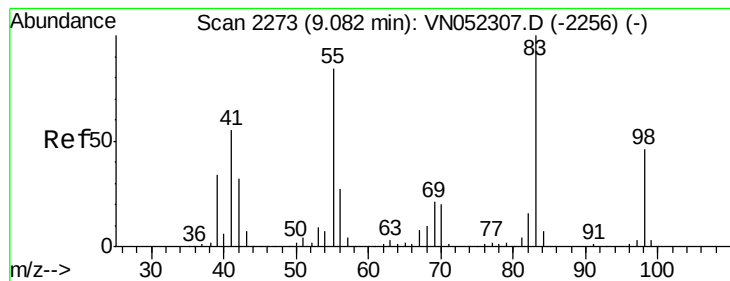
Tot Ion: 43 Resp: 64268
Ion Ratio Lower Upper
43 100
61 13.7 10.3 15.5
70 7.9 5.6 8.4



#38
Carbon Tetrachloride
Concen: 20.131 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Tgt Ion: 117 Resp: 82290
Ion Ratio Lower Upper
117 100
119 96.5 77.4 116.0
121 30.3 24.0 36.0





#39

Methylvlcyclohexane

Concen: 19.230 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

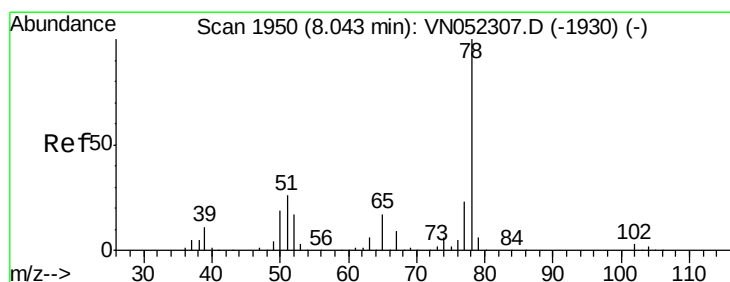
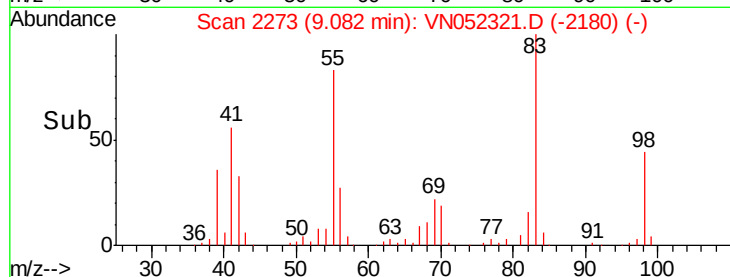
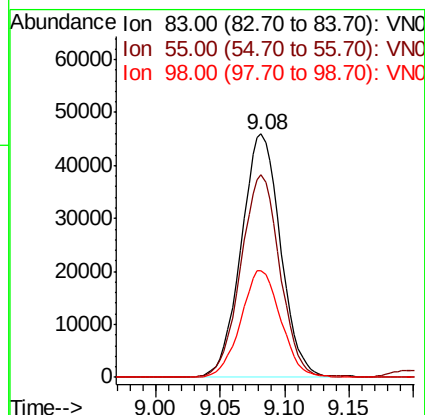
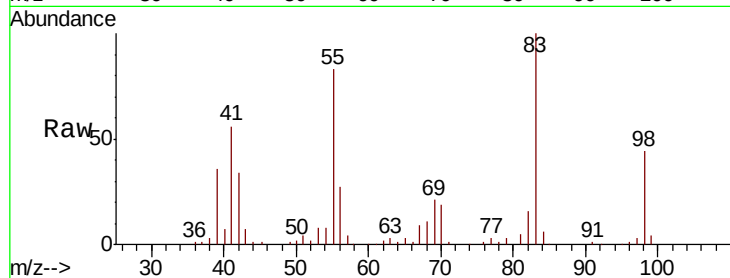
Tot Ion: 83 Resp: 97674

Ion Ratio Lower Upper

83 100

55 83.0 66.8 100.2

98 44.0 36.4 54.6



#40

Benzene

Concen: 20.067 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052321.D

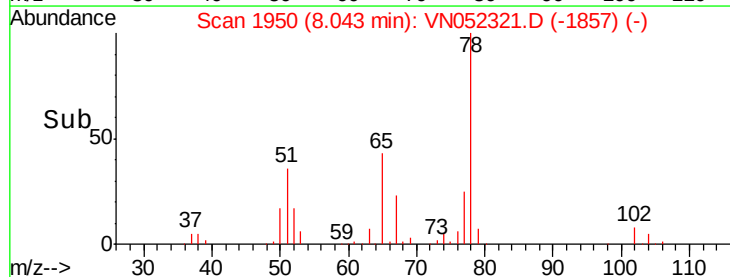
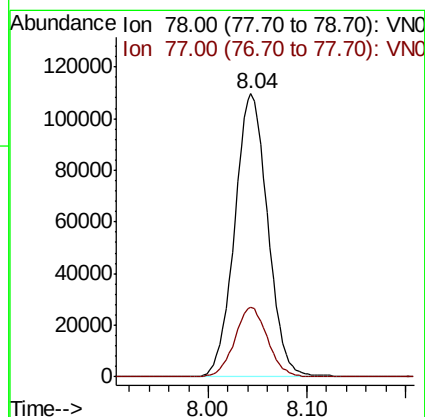
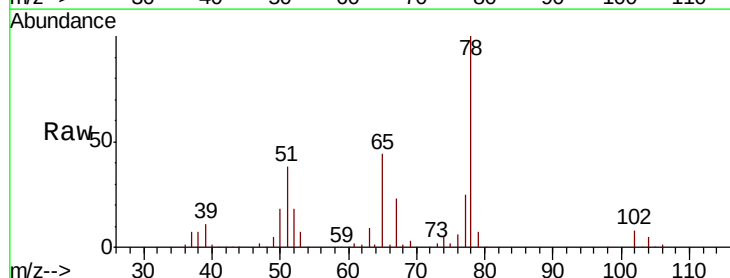
Acq: 14 Nov 2018 18:55

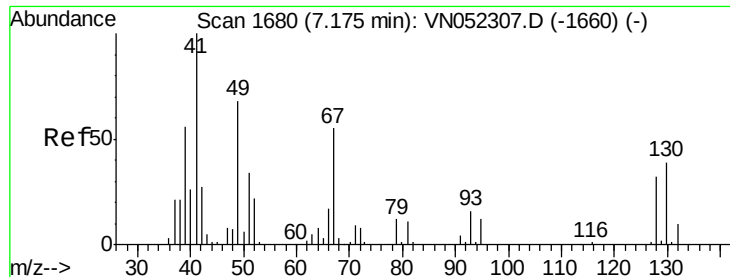
Tgt Ion: 78 Resp: 255066

Ion Ratio Lower Upper

78 100

77 24.7 18.7 28.1

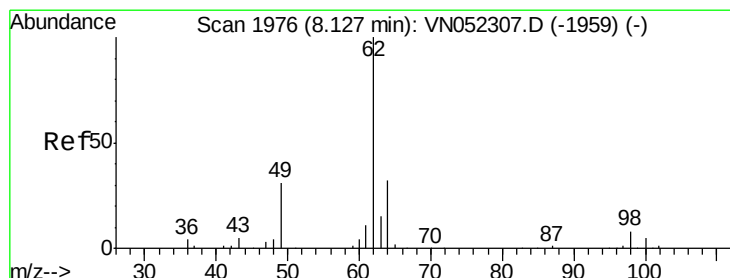
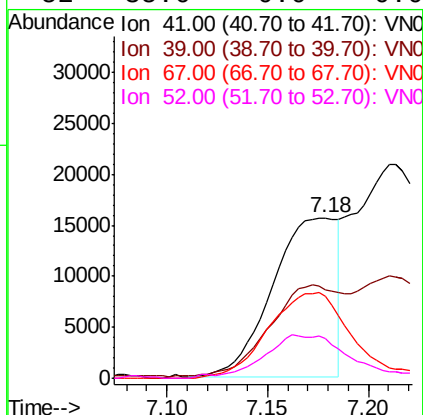
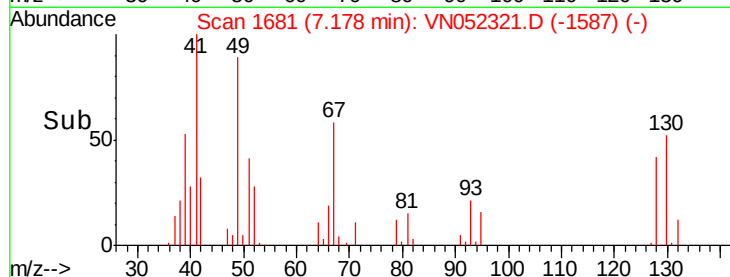
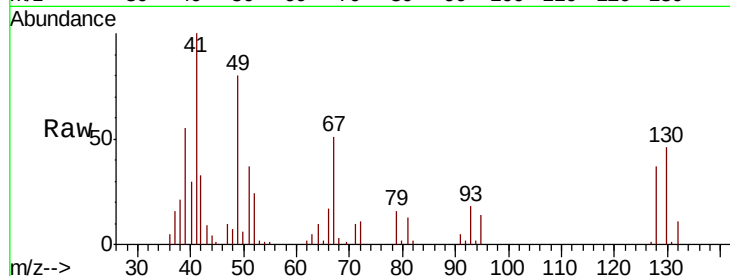




#41
Methacrylonitrile
Concen: 21.600 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

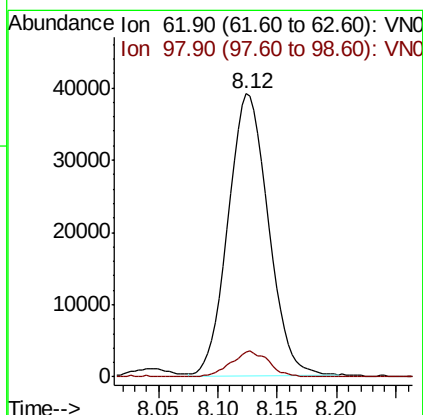
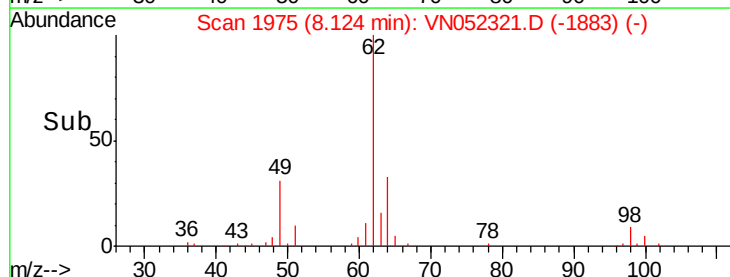
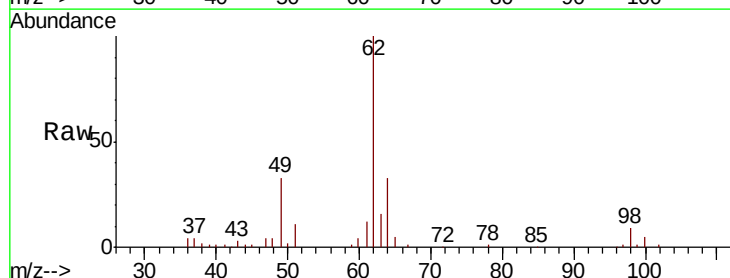
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

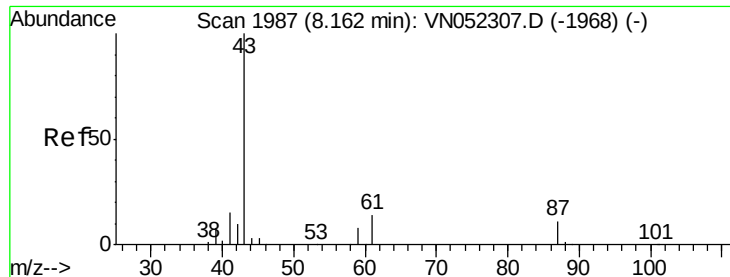
Tot Ion: 41 Resp: 34672
Ion Ratio Lower Upper
41 100
39 62.9 0.0 0.0#
67 69.5 0.0 0.0#
52 35.6 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 20.088 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Tgt Ion: 62 Resp: 91050
Ion Ratio Lower Upper
62 100
98 8.6 0.0 15.6





#43

Isopropyl Acetate

Concen: 18.900 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

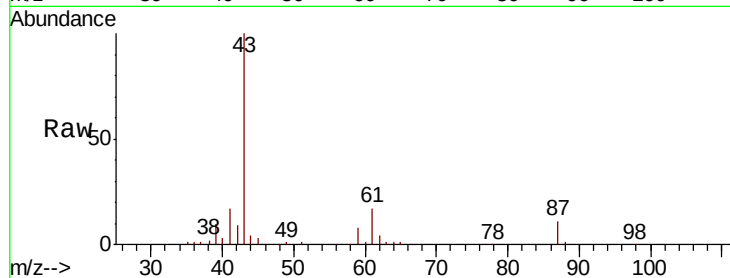
Tot Ion: 43 Resp: 117766

Ion Ratio Lower Upper

43 100

61 14.5 12.0 18.0

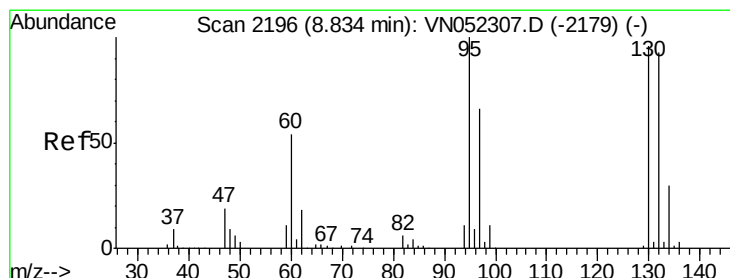
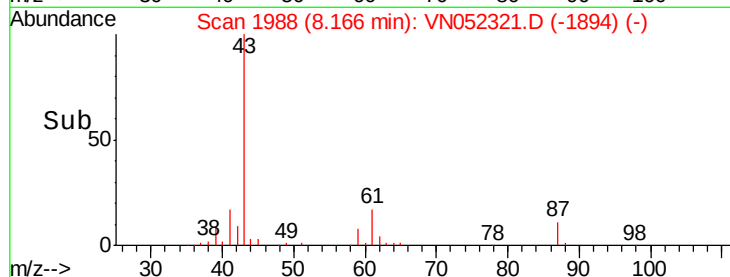
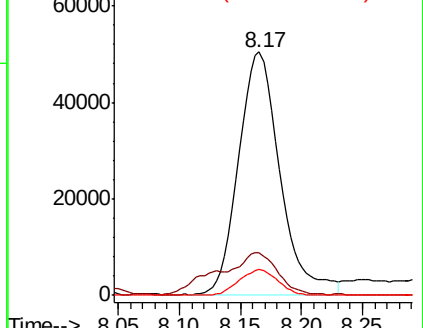
87 9.9 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052307.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1968) (-)



#44

Trichloroethene

Concen: 20.689 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN052321.D

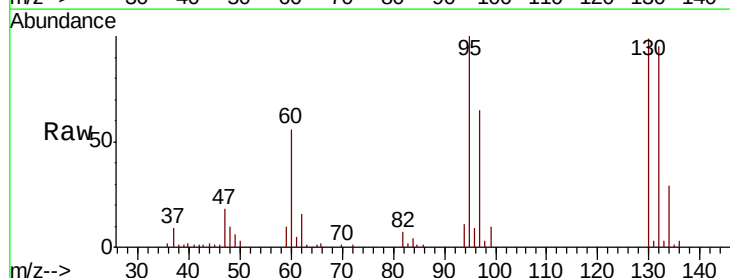
Acq: 14 Nov 2018 18:55

Tgt Ion:130 Resp: 64778

Ion Ratio Lower Upper

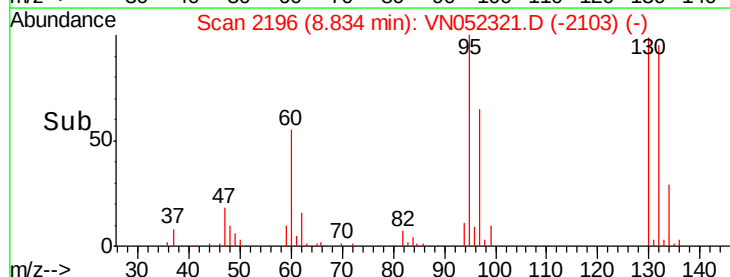
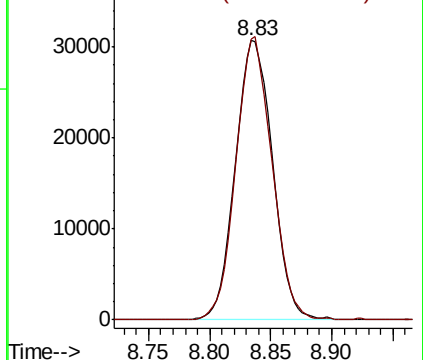
130 100

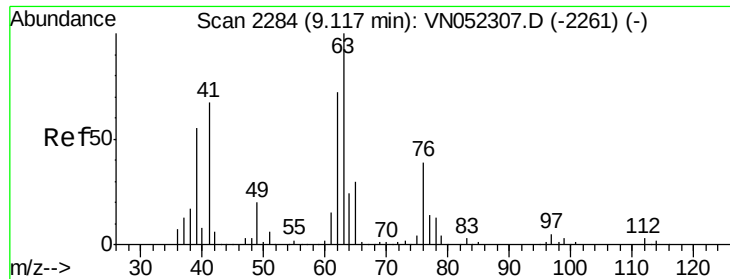
95 100.9 0.0 208.4



Abundance Ion 129.80 (129.50 to 130.50): VN052307.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052307.D (-2179) (-)

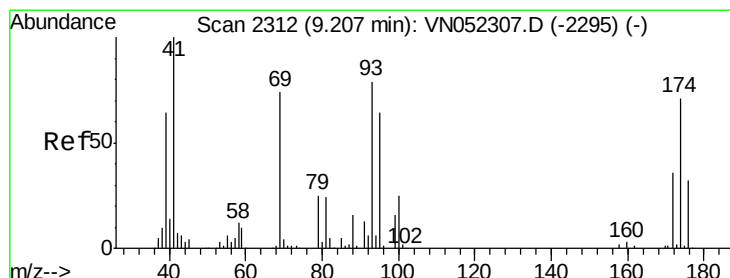
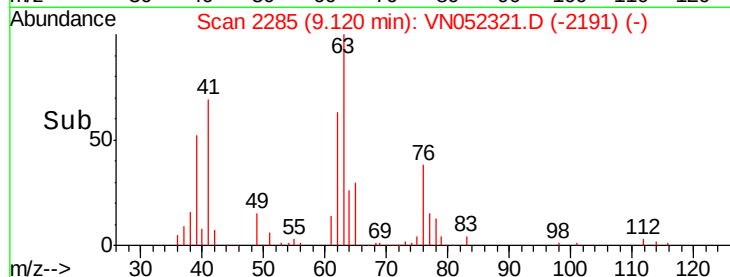
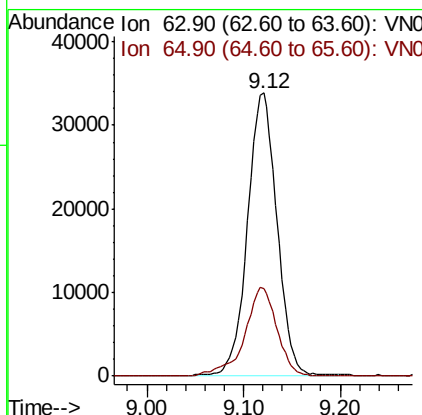
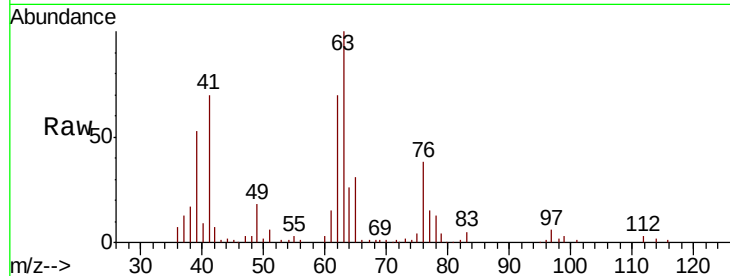




#45
 1,2-Dichloropropane
 Concen: 19.929 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

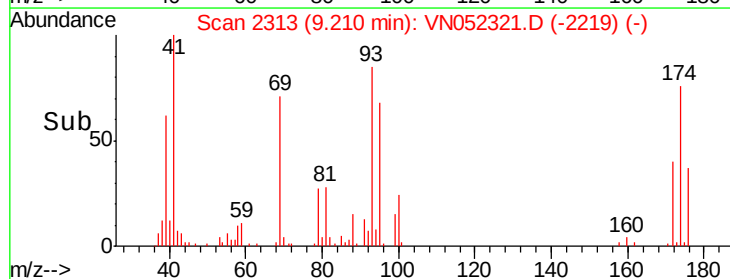
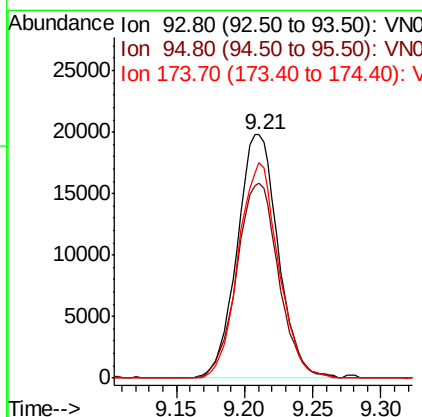
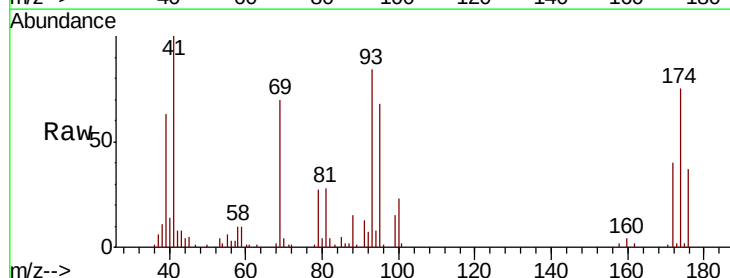
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

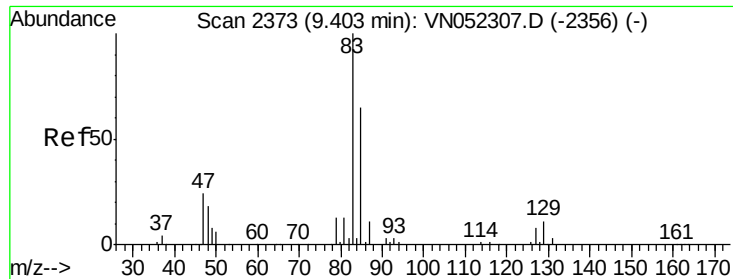
Tot Ion: 63 Resp: 71887
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.2 36.4



#46
 Dibromomethane
 Concen: 19.772 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Tgt Ion: 93 Resp: 41288
 Ion Ratio Lower Upper
 93 100
 95 81.8 64.2 96.2
 174 86.4 70.9 106.3





#47

Bromodichloromethane

Concen: 20.504 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

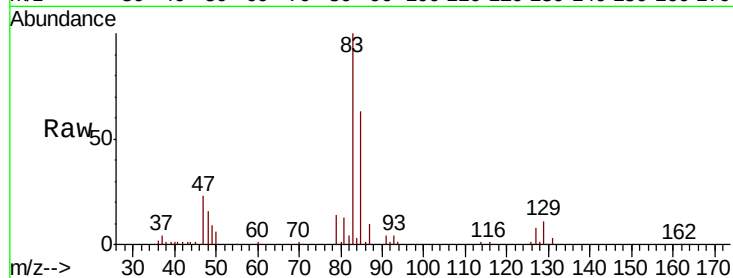
Tot Ion: 83 Resp: 87866

Ion Ratio Lower Upper

83 100

85 63.2 52.2 78.4

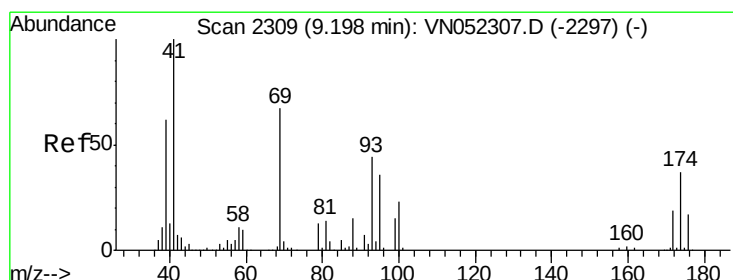
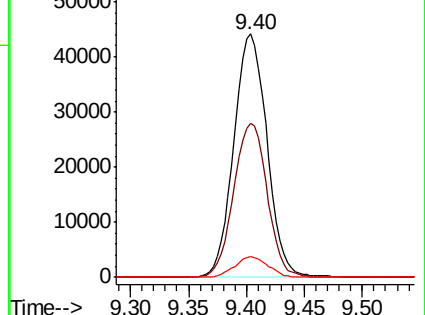
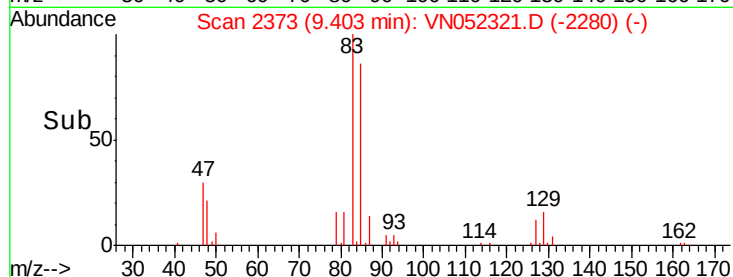
127 8.5 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN052321.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052321.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052321.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.716 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

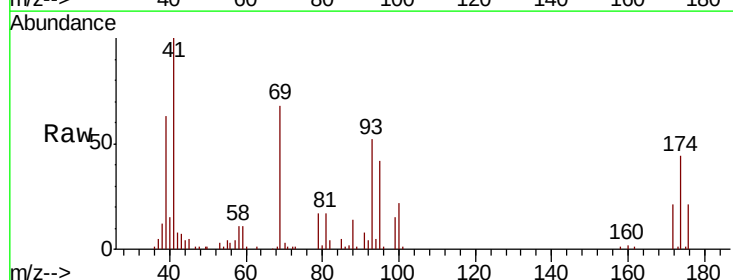
Tgt Ion: 41 Resp: 59173

Ion Ratio Lower Upper

41 100

69 72.6 57.1 85.7

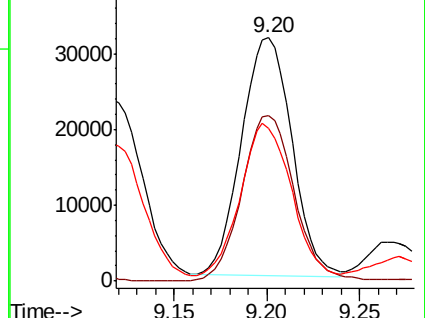
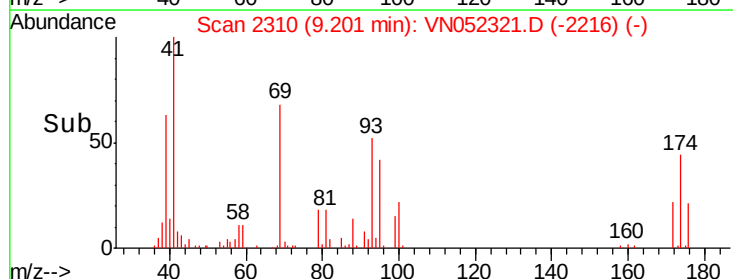
39 64.5 52.5 78.7

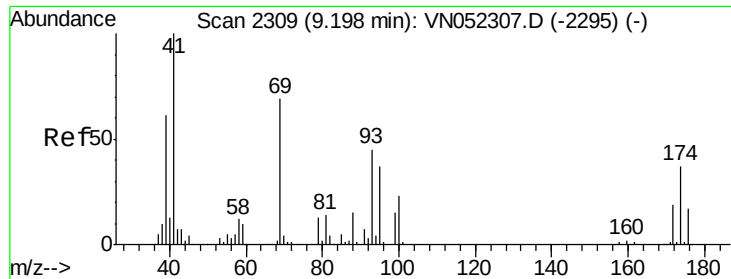


Abundance Ion 41.00 (40.70 to 41.70): VN052321.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052321.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052321.D (-2216) (-)





#49

1,4-Dioxane

Concen: 419.845 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

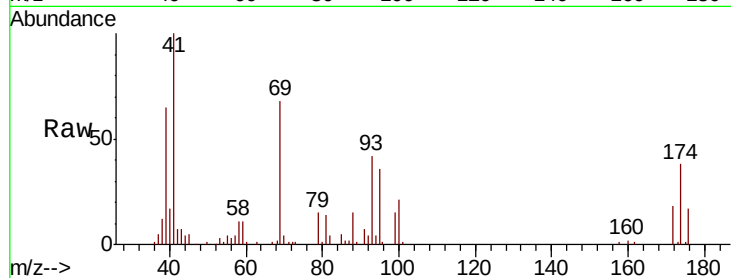
Tot Ion: 88 Resp: 10190

Ion Ratio Lower Upper

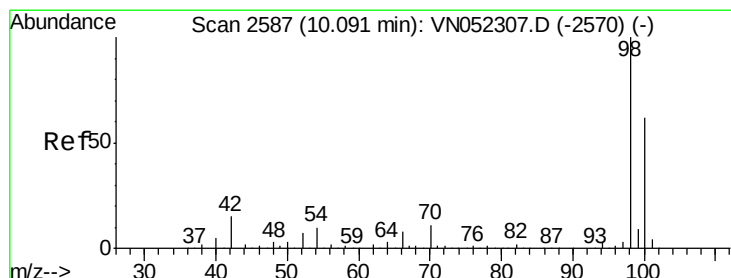
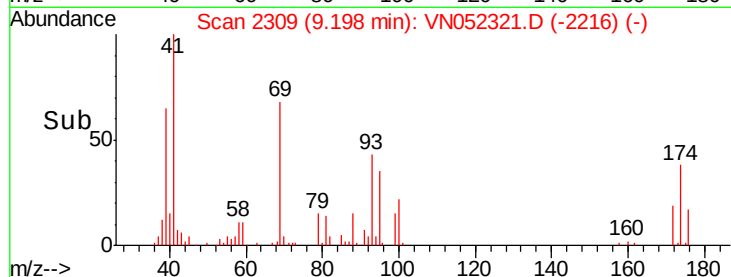
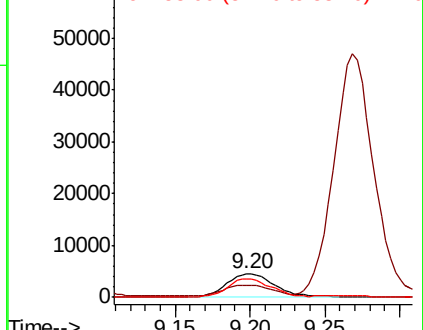
88 100

43 41.8 33.3 49.9

58 72.7 59.2 88.8



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: 419.845 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052321.D

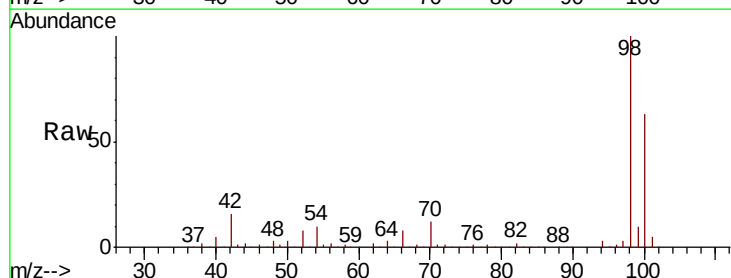
Acq: 14 Nov 2018 18:55

Tgt Ion: 98 Resp: 559063

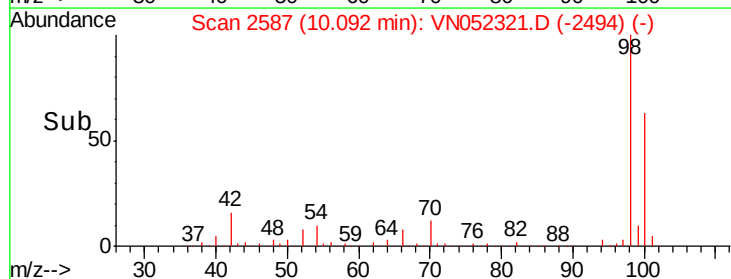
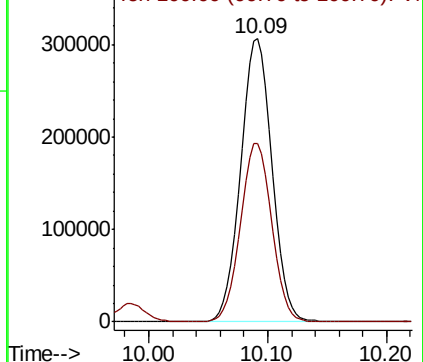
Ion Ratio Lower Upper

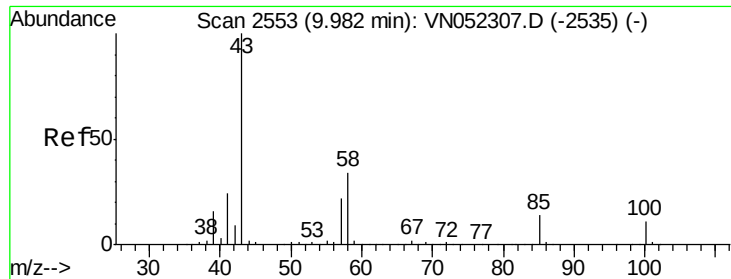
98 100

100 62.7 49.5 74.3



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: 102.289 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

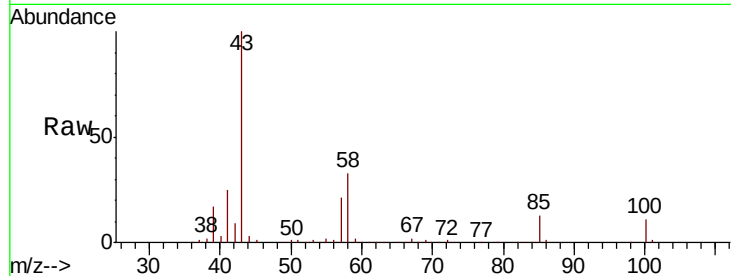
VN1114WBSD01

Tot Ion: 43 Resp: 320829

Ion Ratio Lower Upper

43 100

58 33.9 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2535) (-)

9.98

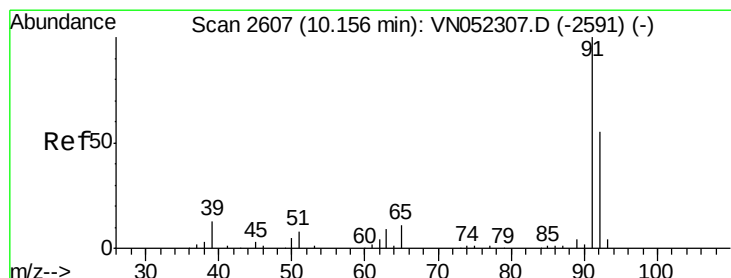
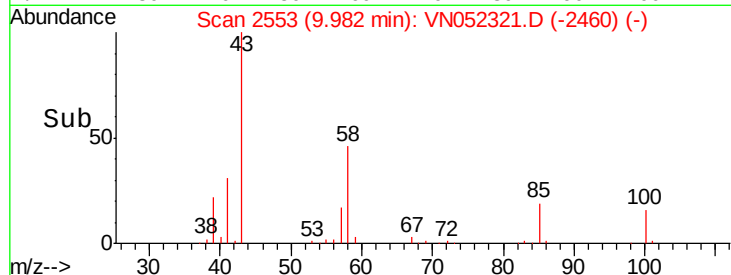
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.311 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052321.D

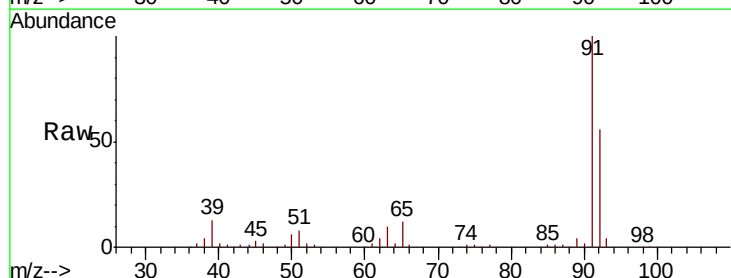
Acq: 14 Nov 2018 18:55

Tgt Ion: 92 Resp: 154442

Ion Ratio Lower Upper

92 100

91 177.8 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN052307.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052307.D (-2591) (-)

10.16

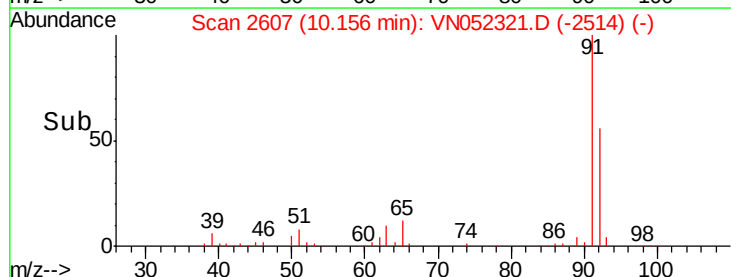
150000

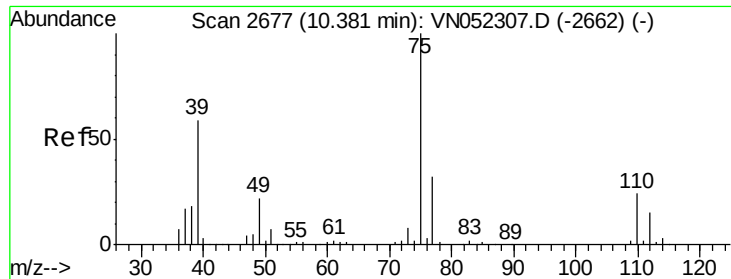
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.062 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

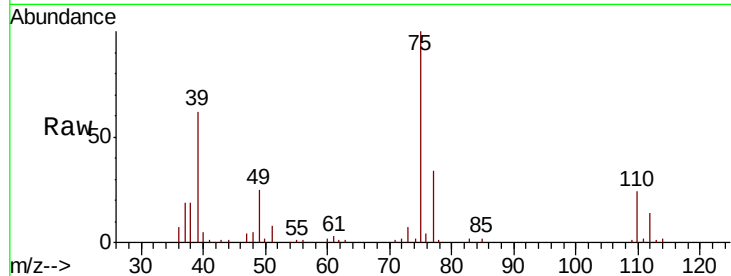
VN1114WBSD01

Tot Ion: 75 Resp: 82385

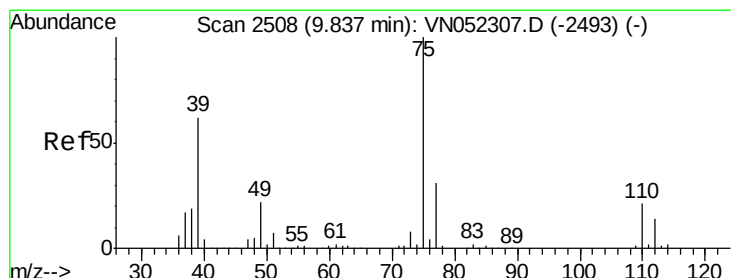
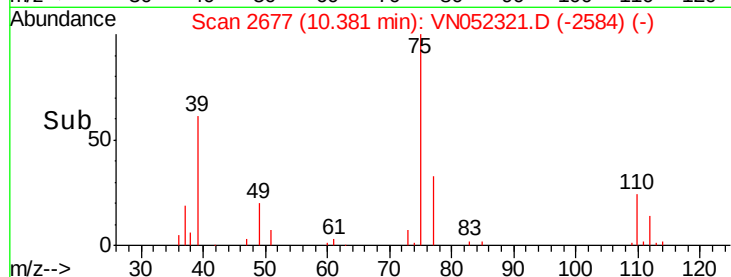
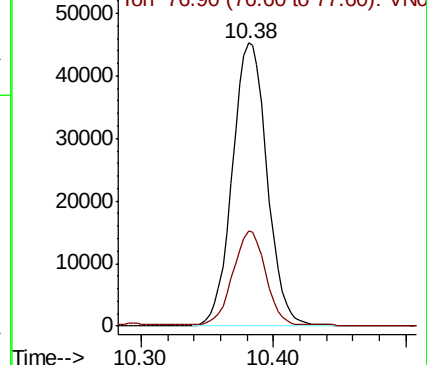
Ion Ratio Lower Upper

75 100

77 33.2 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN052321.D (-2415) (-)



#54

cis-1,3-Dichloropropene

Concen: 19.653 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

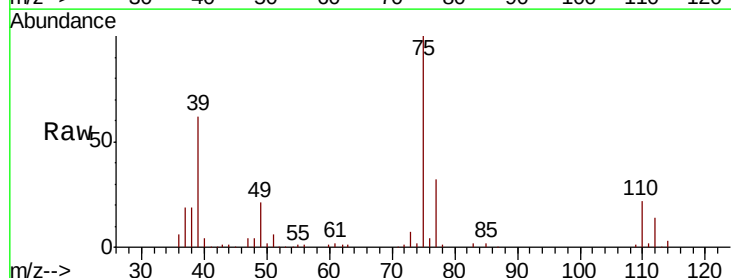
Tgt Ion: 75 Resp: 96824

Ion Ratio Lower Upper

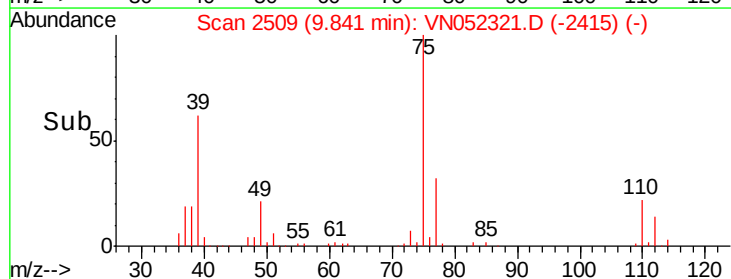
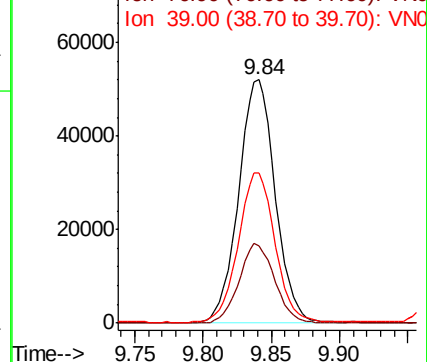
75 100

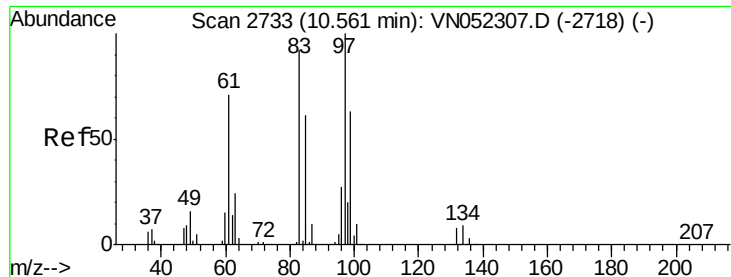
77 31.8 24.6 36.8

39 61.5 49.9 74.9



Abundance Ion 74.90 (74.60 to 75.60): VN052321.D (-2415) (-)

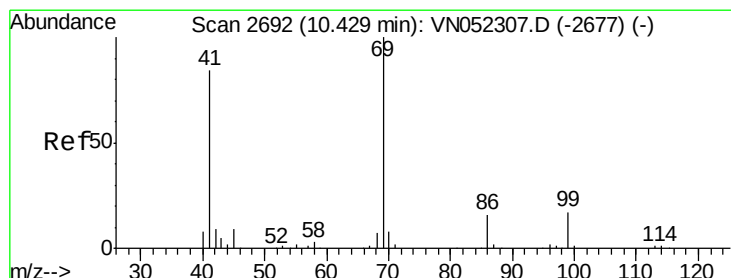
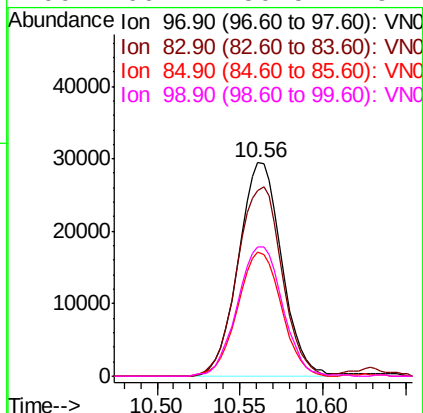
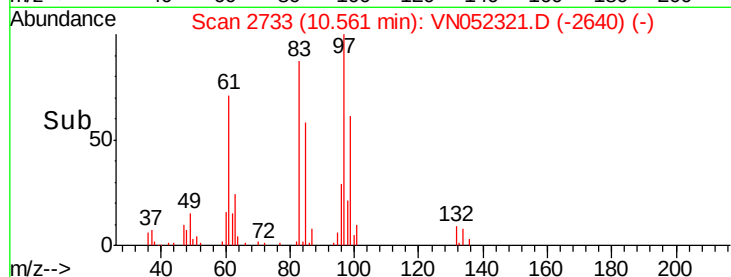
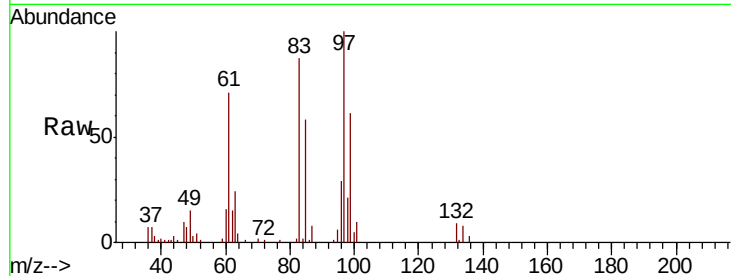




#55
 1,1,2-Trichloroethane
 Concen: 19.423 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

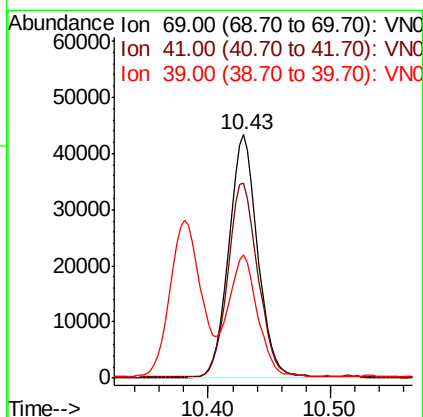
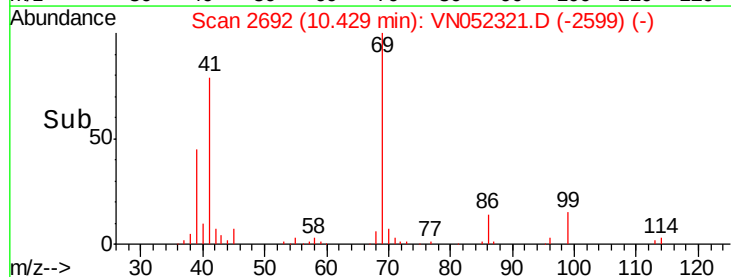
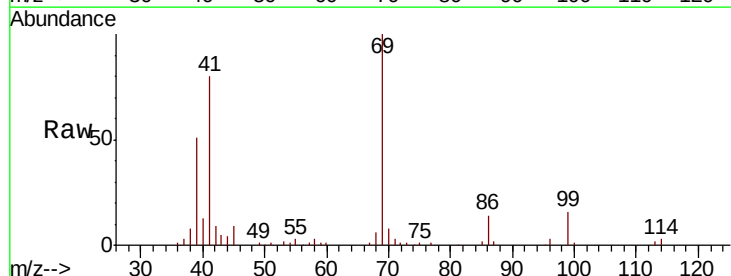
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

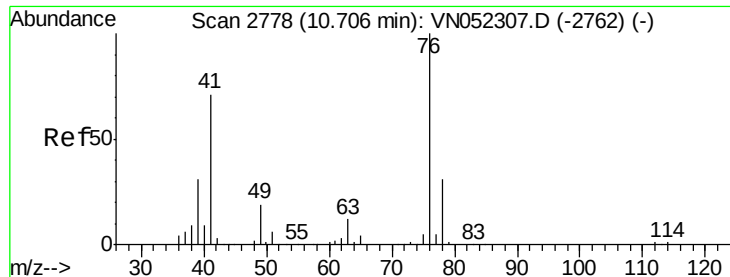
Tot Ion: 97 Resp: 53539
 Ion Ratio Lower Upper
 97 100
 83 87.2 73.8 110.6
 85 58.1 49.0 73.4
 99 60.7 50.5 75.7



#56
 Ethyl methacrylate
 Concen: 19.917 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Tgt Ion: 69 Resp: 72202
 Ion Ratio Lower Upper
 69 100
 41 82.0 64.8 97.2
 39 50.0 41.0 61.6





#57

1,3-Dichloropropane

Concen: 20.306 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

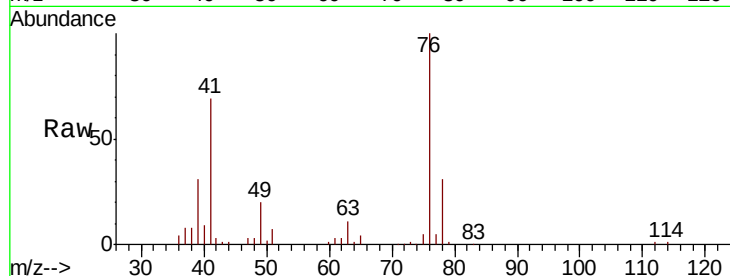
VN1114WBSD01

Tot Ion: 76 Resp: 99144

Ion Ratio Lower Upper

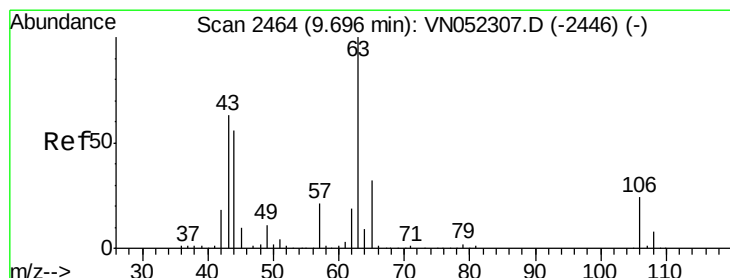
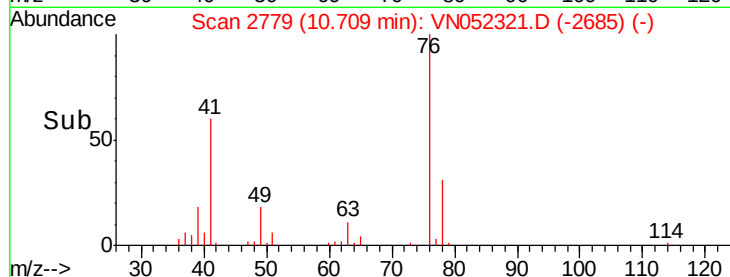
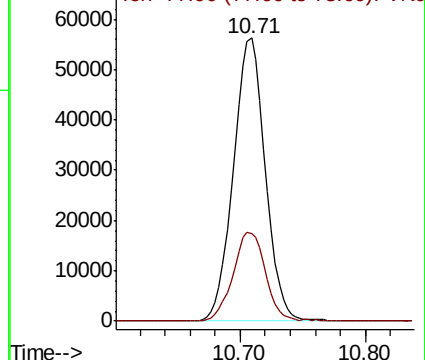
76 100

78 31.8 25.7 38.5



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: 100.143 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052321.D

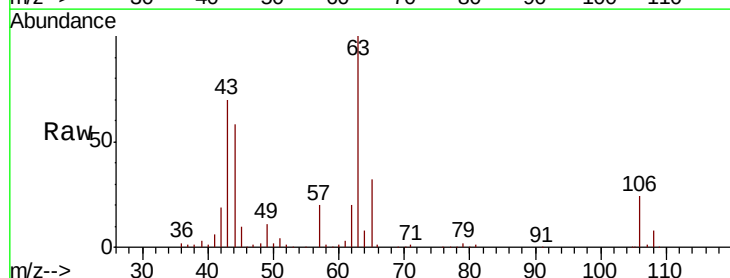
Acq: 14 Nov 2018 18:55

Tgt Ion: 63 Resp: 206680

Ion Ratio Lower Upper

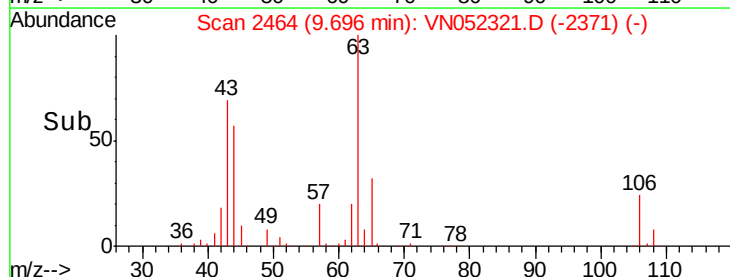
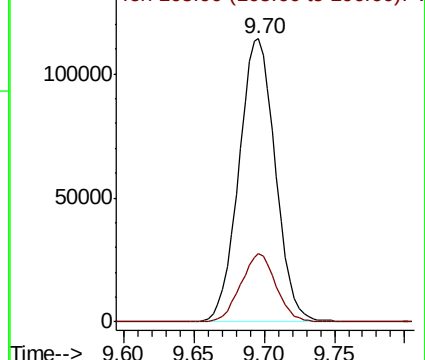
63 100

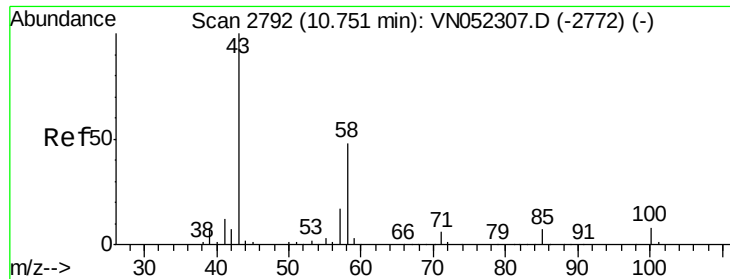
106 23.3 19.3 28.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

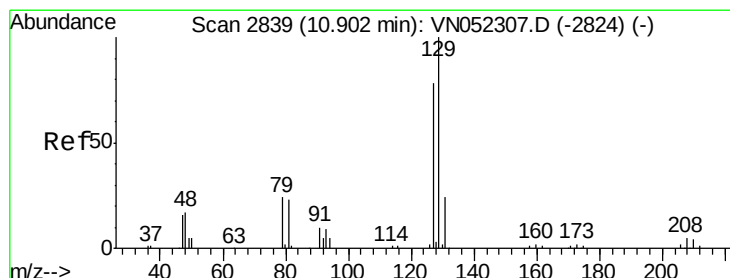
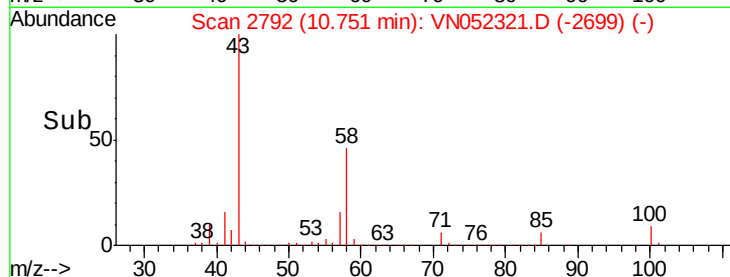
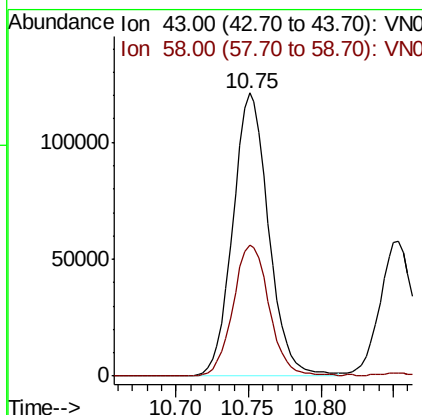
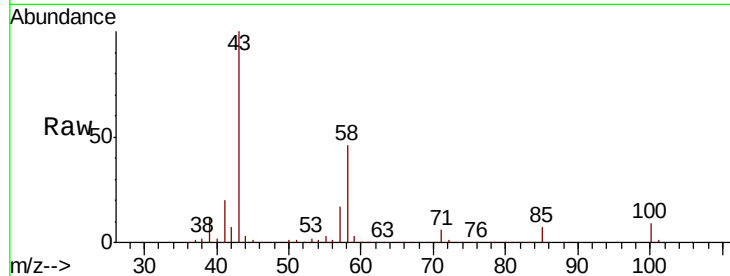




#59
2-Hexanone
Concen: 95.521 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

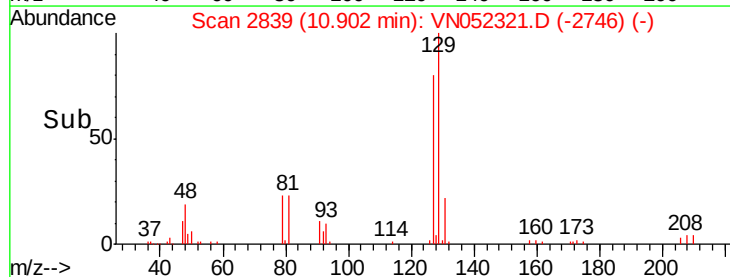
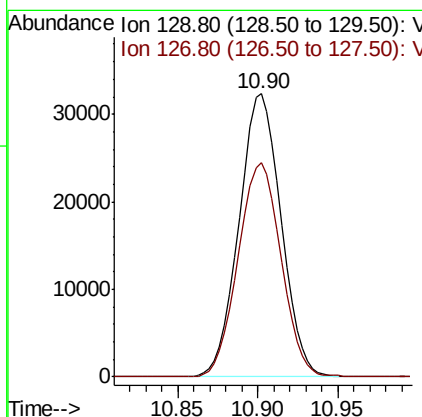
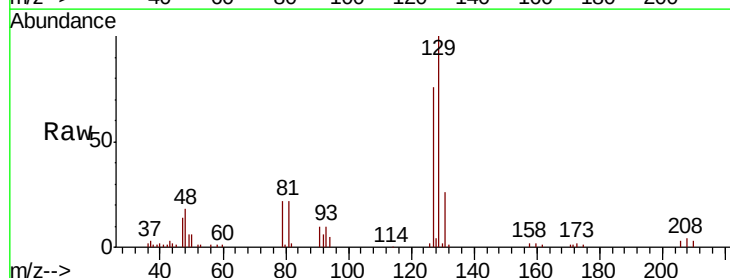
Instrument :
MSVOA_N
ClientSampled :
VN1114WBSD01

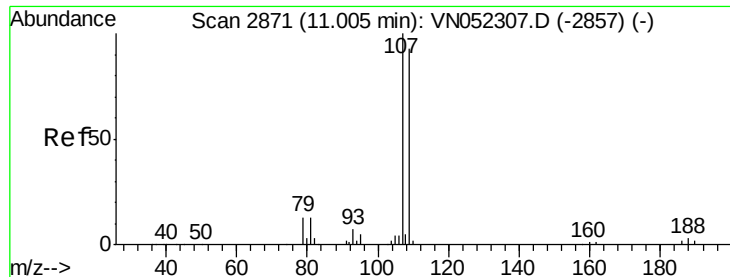
Tot Ion: 43 Resp: 206074
Ion Ratio Lower Upper
43 100
58 47.2 23.5 70.6



#60
Dibromochloromethane
Concen: 19.449 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Tgt Ion: 129 Resp: 58002
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5

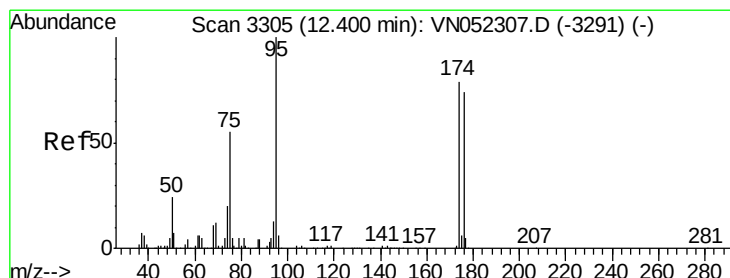
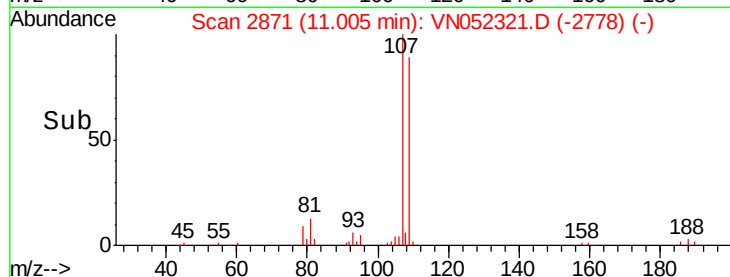
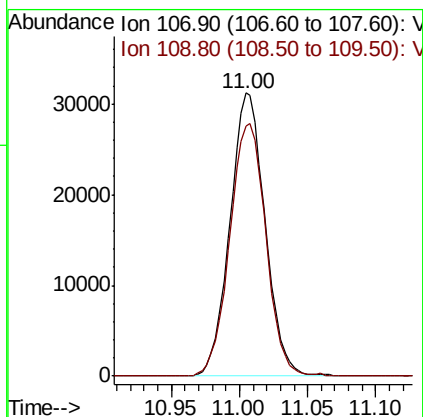
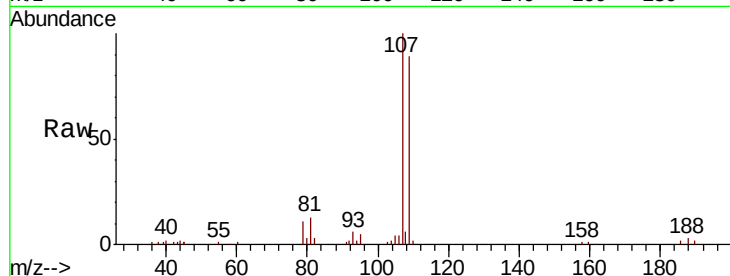




#61
 1,2-Dibromoethane
 Concen: 20.322 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

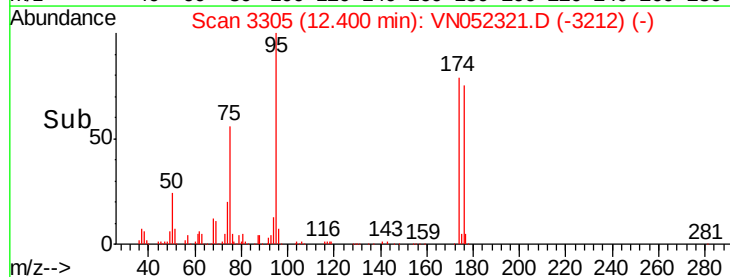
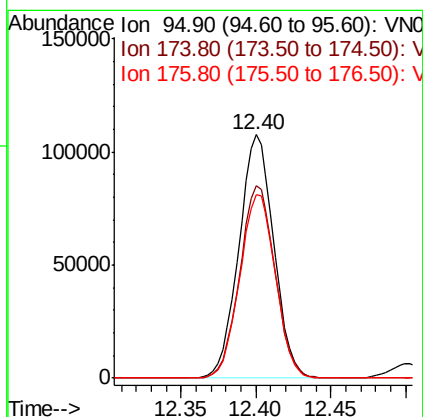
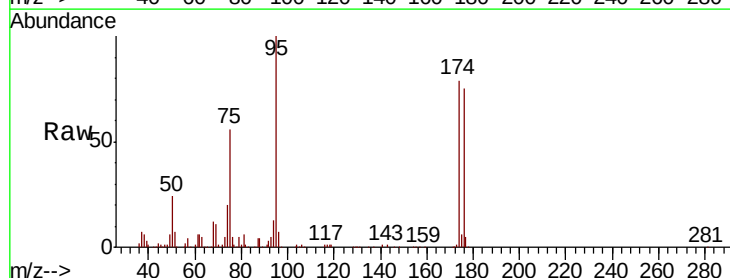
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

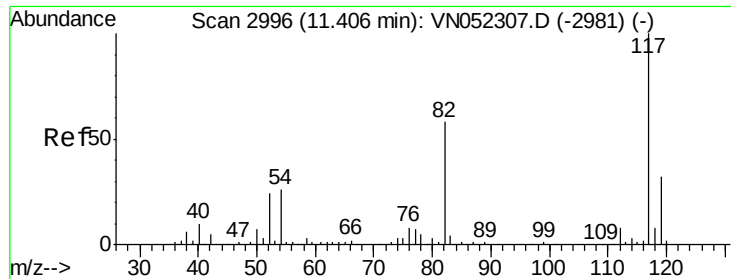
Tot Ion: 107 Resp: 55799
 Ion Ratio Lower Upper
 107 100
 109 91.9 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 20.322 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Tgt Ion: 95 Resp: 174593
 Ion Ratio Lower Upper
 95 100
 174 80.2 0.0 156.0
 176 77.1 0.0 148.4

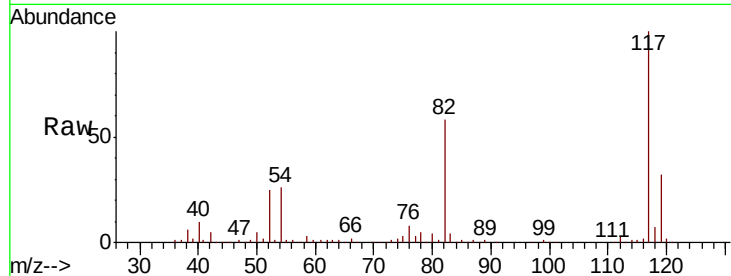




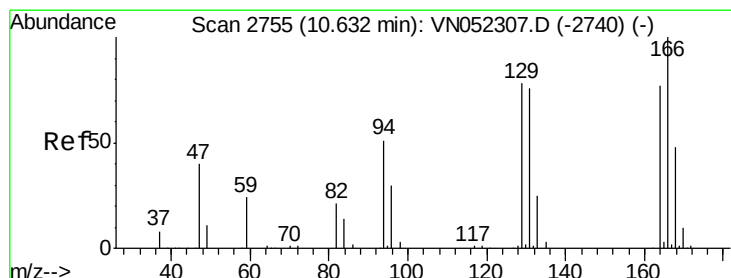
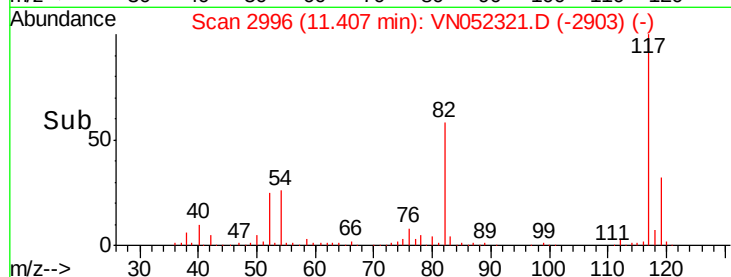
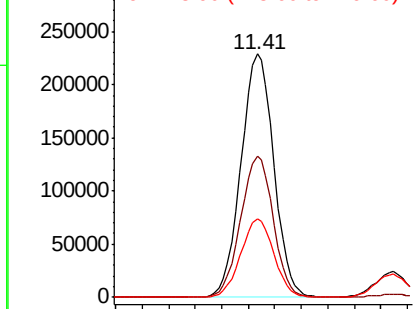
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion:117 Resp: 393368
Ion Ratio Lower Upper
117 100
82 57.9 46.5 69.7
119 32.3 25.7 38.5

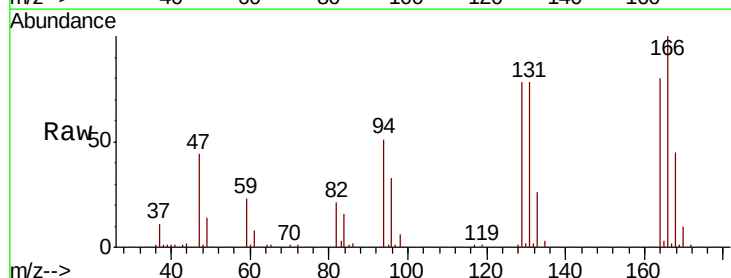


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

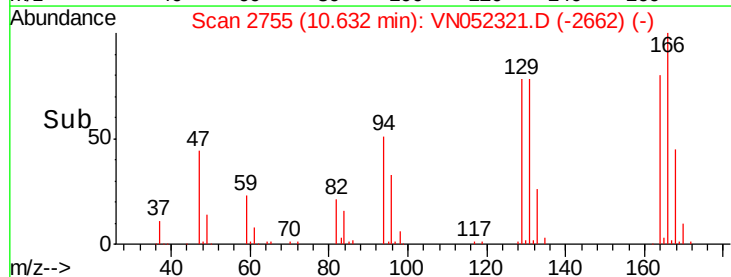
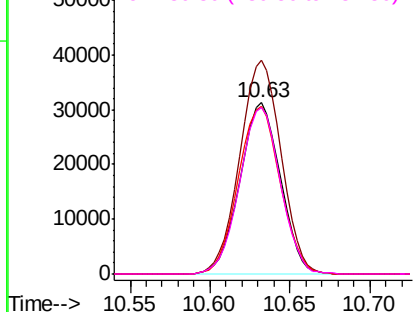


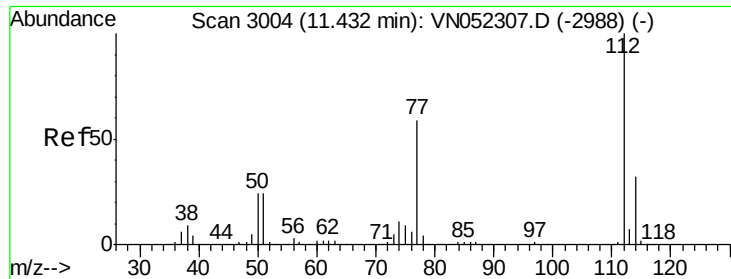
#64
Tetrachloroethene
Concen: 19.305 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Tgt Ion:164 Resp: 53987
Ion Ratio Lower Upper
164 100
166 124.6 103.8 155.6
129 97.6 80.7 121.1
131 97.2 78.5 117.7



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





#65

Chlorobenzene

Concen: 19.708 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

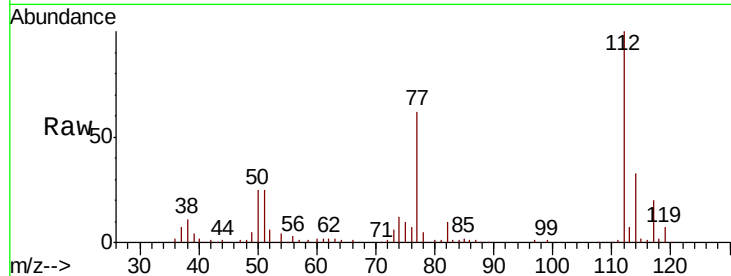
VN1114WBSD01

Tot Ion:112 Resp: 163869

Ion Ratio Lower Upper

112 100

114 32.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

100000

80000

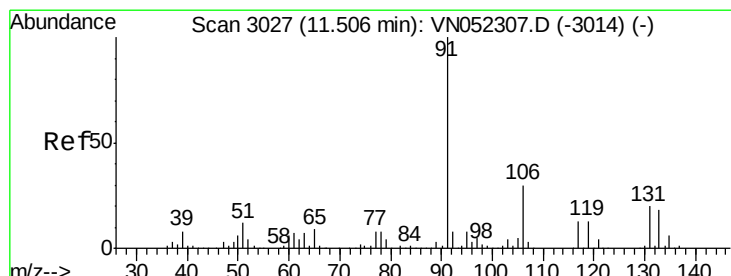
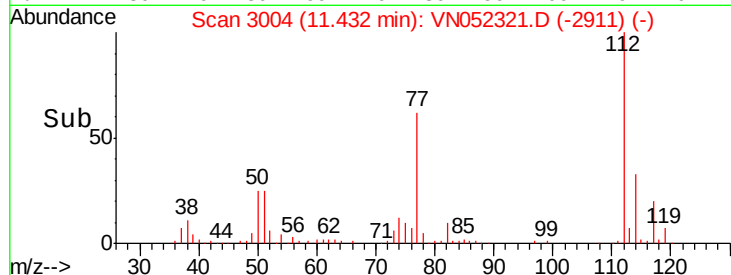
60000

40000

20000

0

Time--> 11.35 11.40 11.45 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 20.059 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

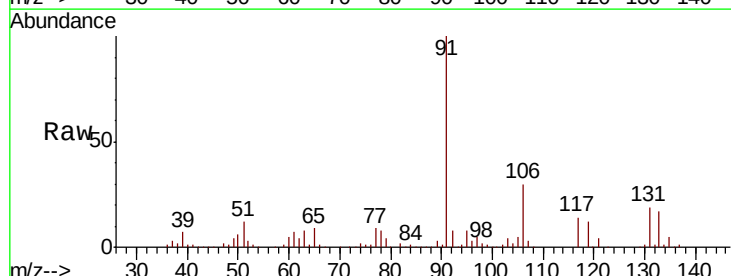
Tgt Ion:131 Resp: 56876

Ion Ratio Lower Upper

131 100

133 95.2 47.4 142.3

119 66.6 33.3 99.9



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

11.51

50000

40000

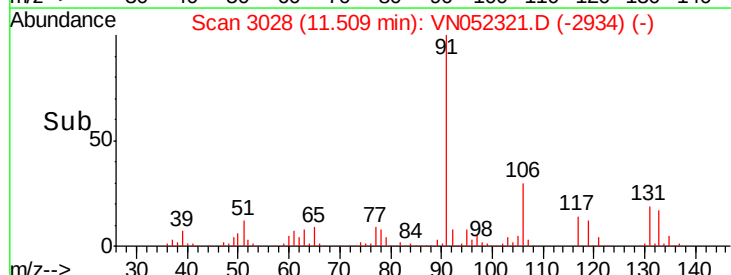
30000

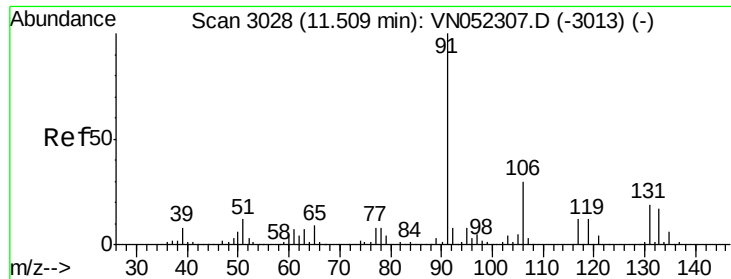
20000

10000

0

Time--> 11.45 11.50 11.55

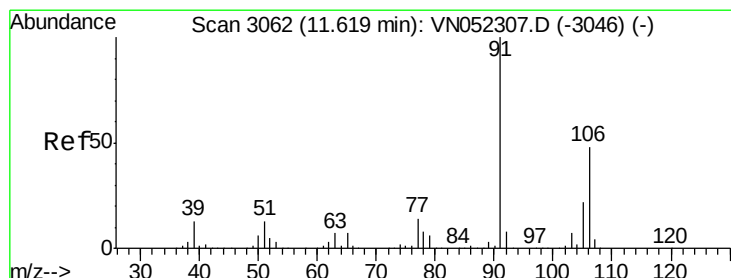
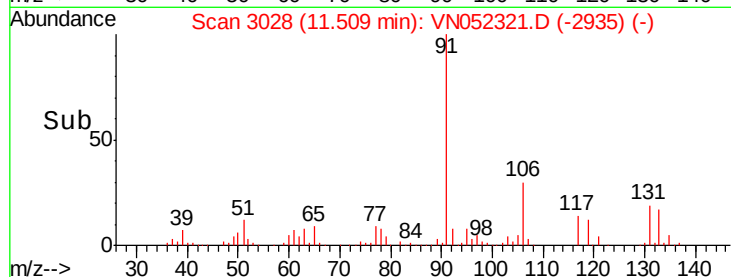
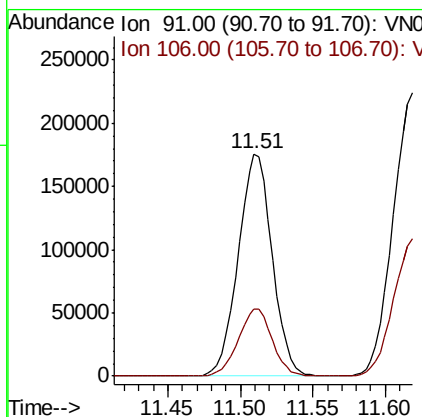
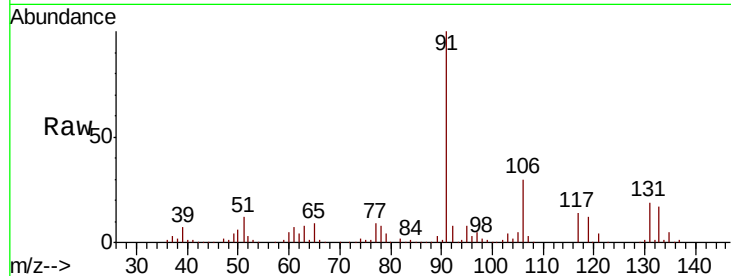




#67
Ethyl Benzene
Concen: 19.749 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

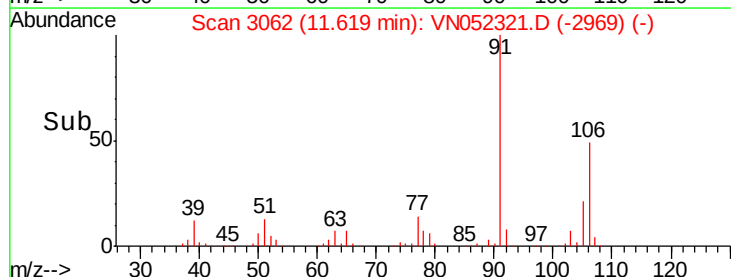
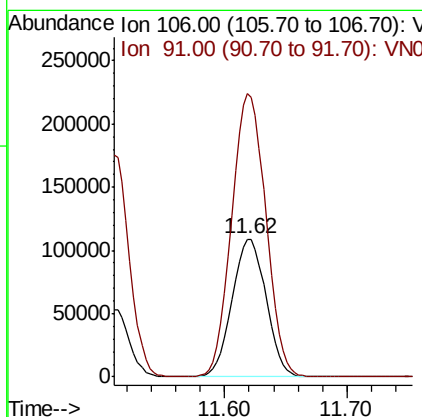
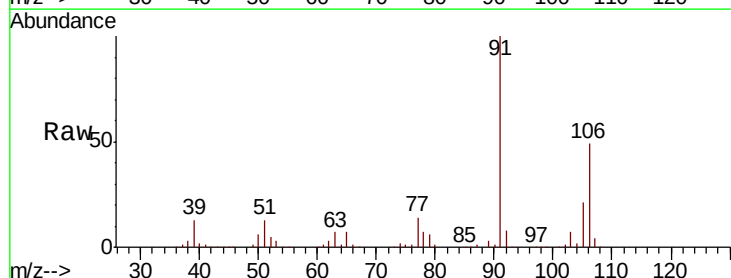
Instrument :
MSVOA_N
ClientSampled :
VN1114WBSD01

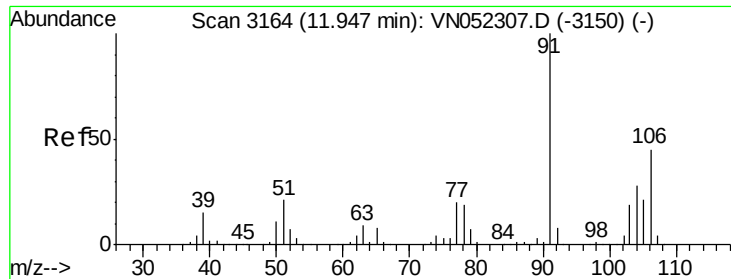
Tot Ion: 91 Resp: 285004
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.2



#68
m/p-Xylenes
Concen: 39.917 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Tgt Ion: 106 Resp: 210478
Ion Ratio Lower Upper
106 100
91 206.4 165.5 248.3

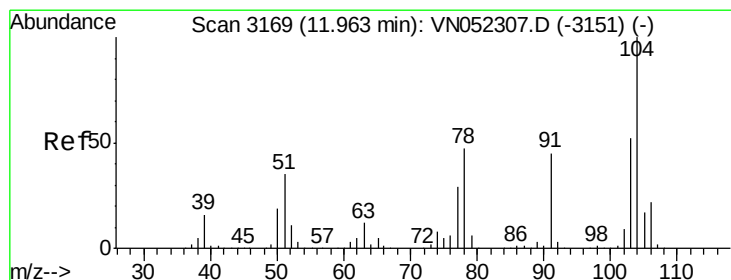
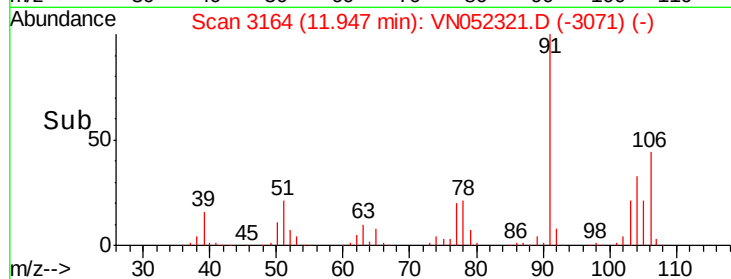
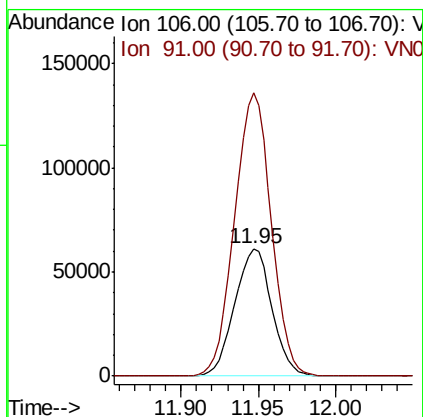
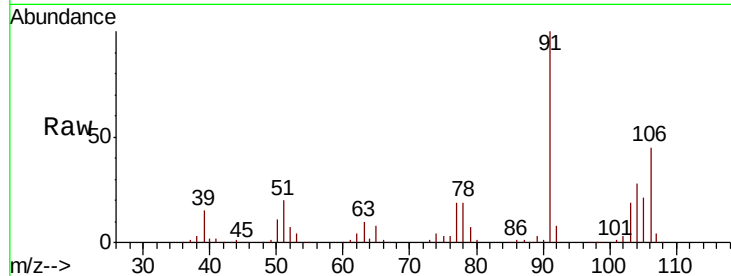




#69
o-Xylene
Concen: 20.208 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

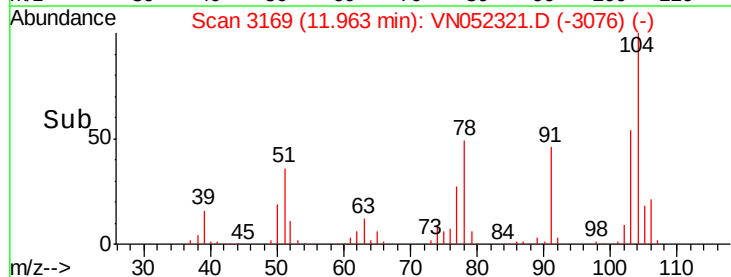
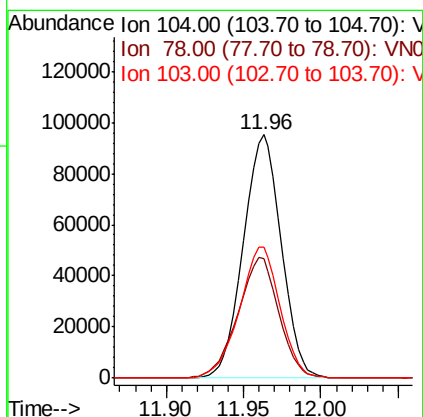
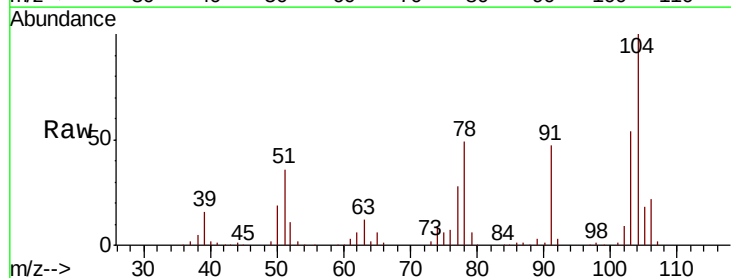
Instrument :
MSVOA_N
ClientSampled :
VN1114WBSD01

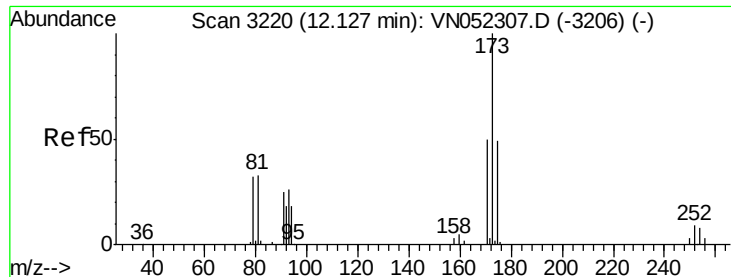
Tot Ion:106 Resp: 102138
Ion Ratio Lower Upper
106 100
91 219.5 110.0 330.0



#70
Styrene
Concen: 20.131 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Tgt Ion:104 Resp: 162926
Ion Ratio Lower Upper
104 100
78 53.7 42.7 64.1
103 57.5 45.4 68.0





#71

Bromoform

Concen: 19.437 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

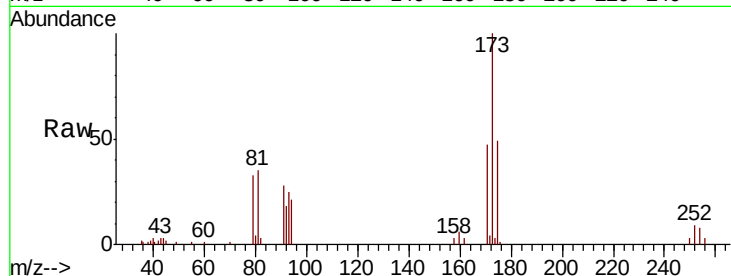
Tot Ion:173 Resp: 32540

Ion Ratio Lower Upper

173 100

175 47.9 25.0 75.0

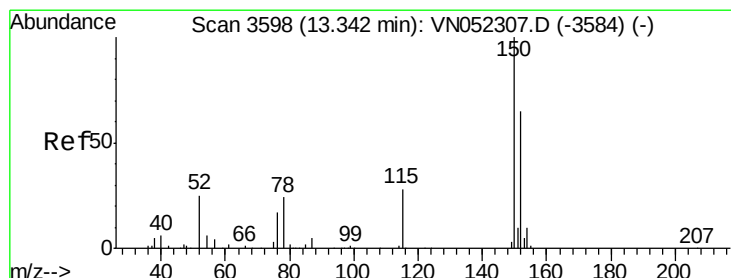
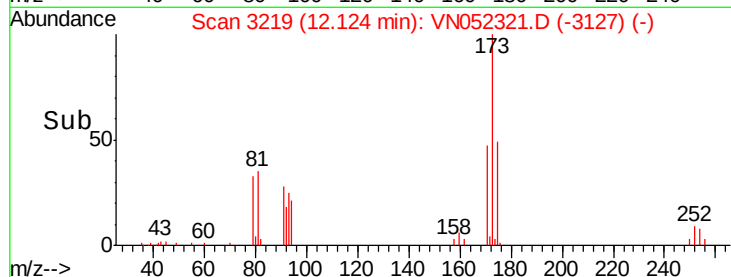
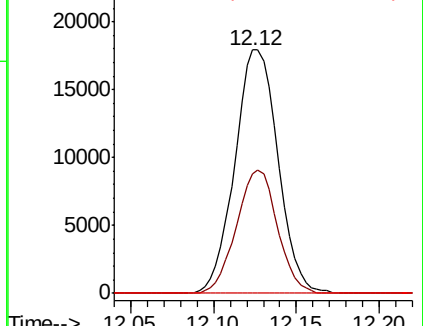
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

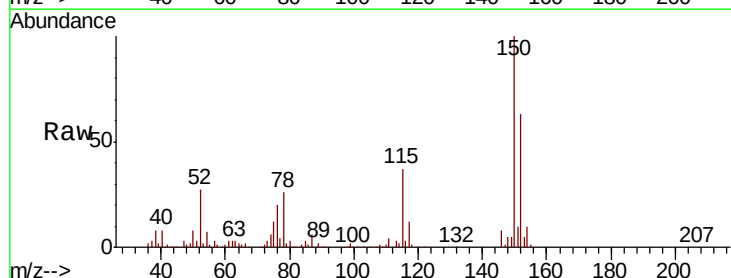
Tgt Ion:152 Resp: 156827

Ion Ratio Lower Upper

152 100

115 60.4 30.3 91.0

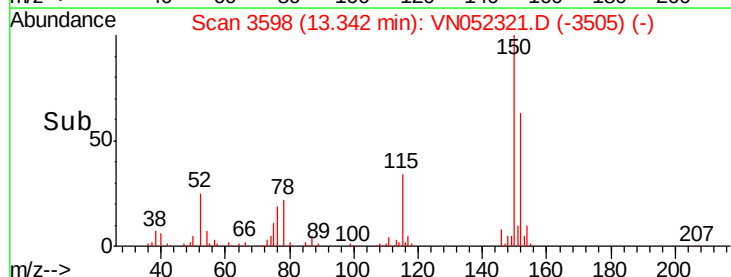
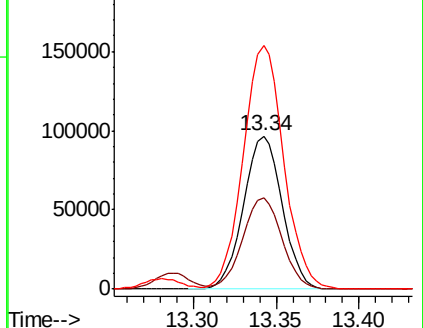
150 166.7 0.0 348.2

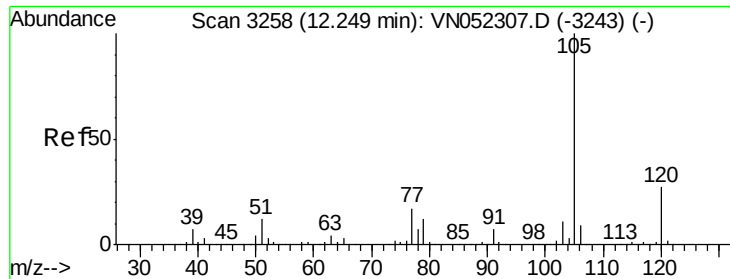


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.239 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

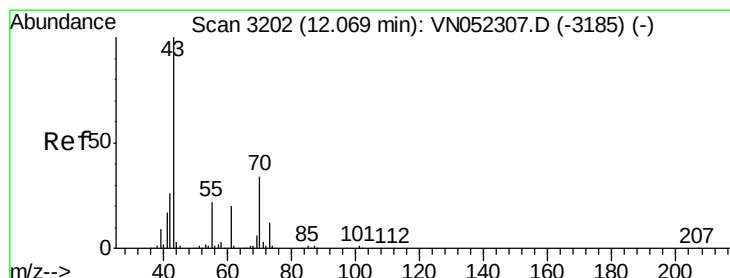
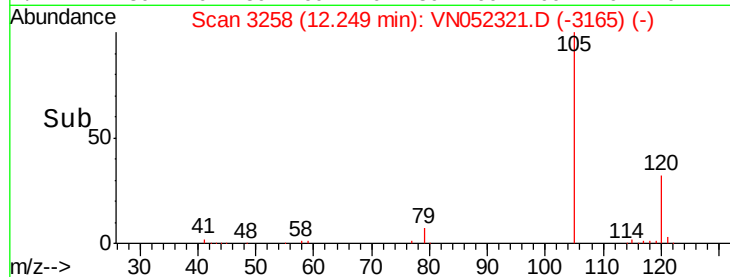
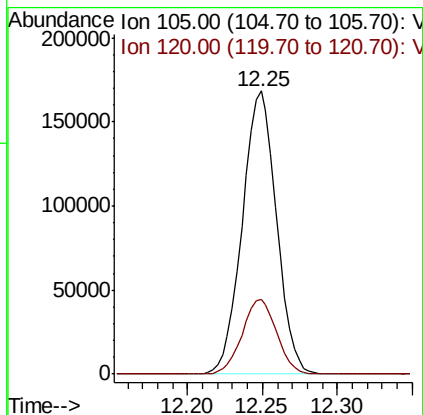
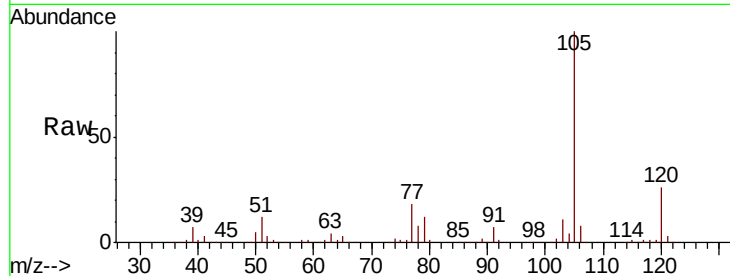
VN1114WBSD01

Tot Ion:105 Resp: 267794

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.1



#74

N-ethyl acetate

Concen: 21.331 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Tgt Ion: 43 Resp: 95796

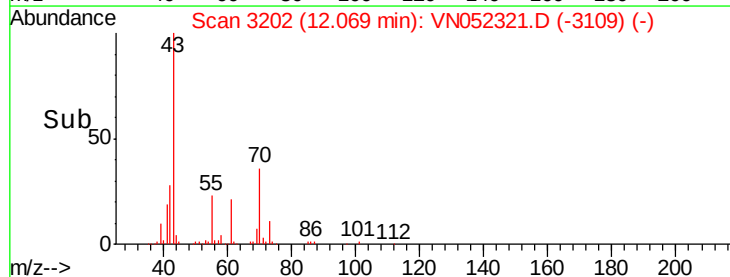
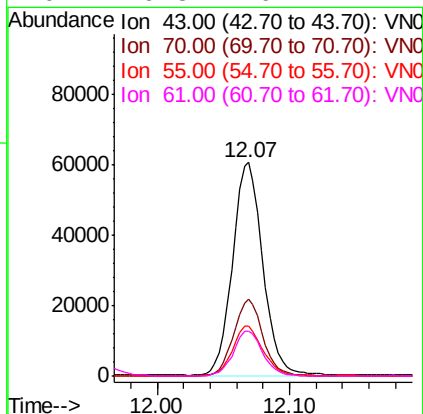
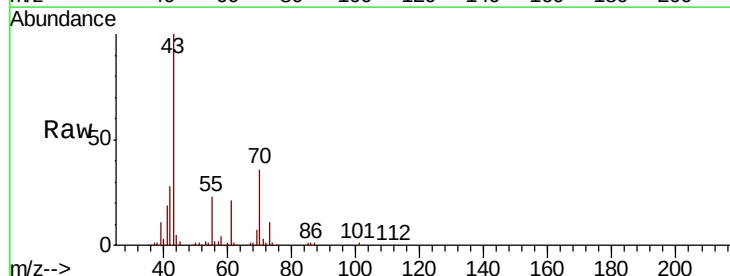
Ion Ratio Lower Upper

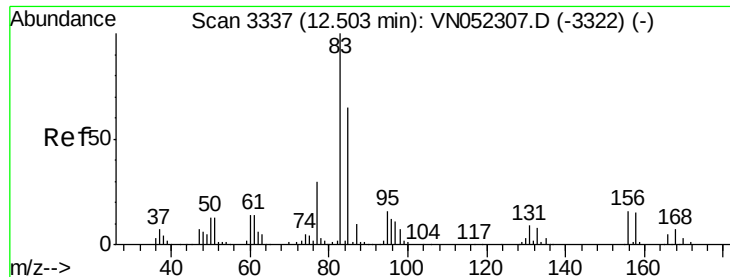
43 100

70 34.9 27.1 40.7

55 23.9 17.4 26.0

61 20.3 16.1 24.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.345 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

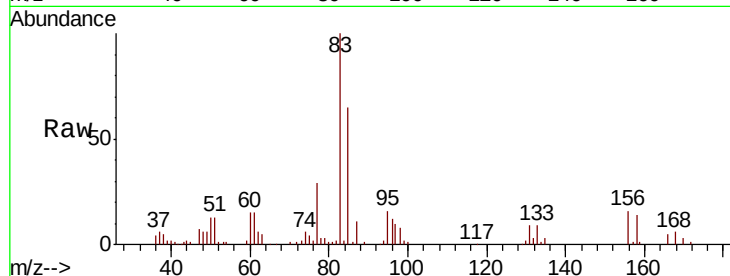
Tot Ion: 83 Resp: 68107

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.1

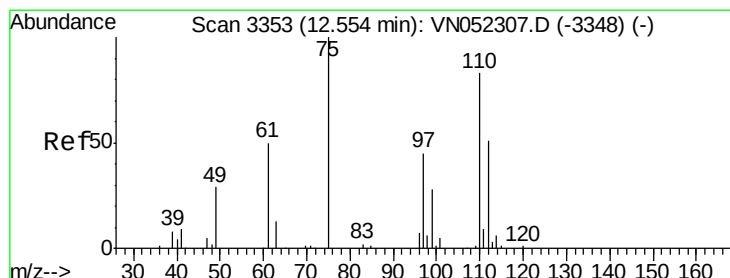
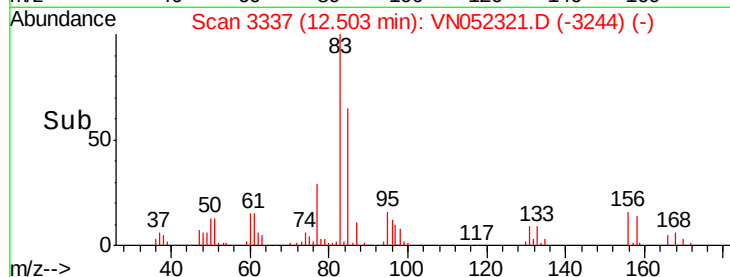
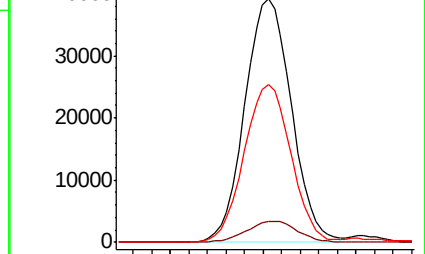
85 65.2 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN052307.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052307.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052307.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 32.398 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052321.D

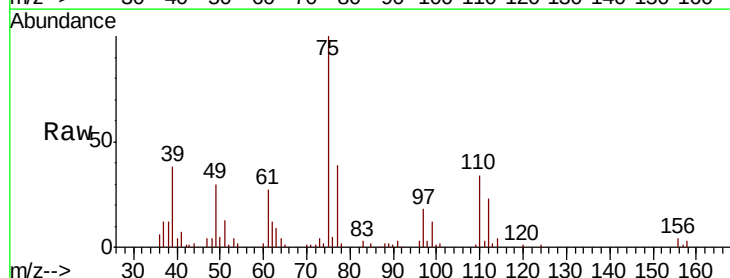
Acq: 14 Nov 2018 18:55

Tgt Ion: 75 Resp: 86212

Ion Ratio Lower Upper

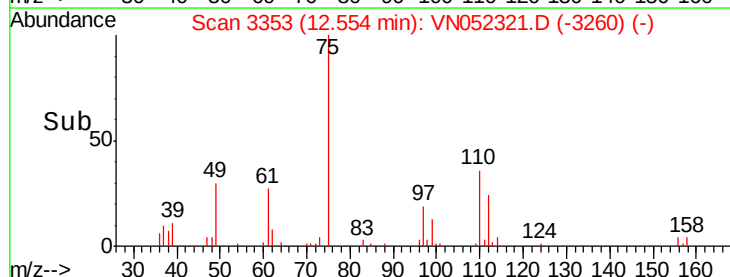
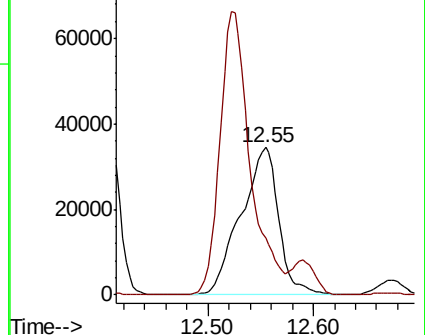
75 100

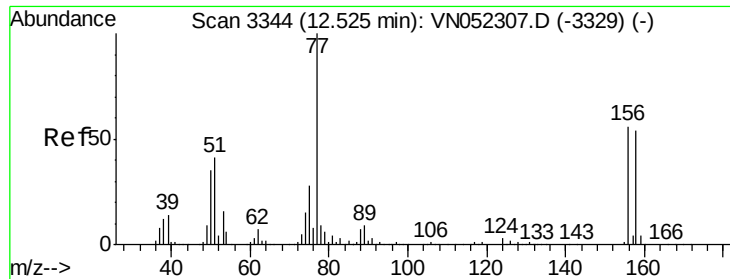
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052307.D (-3348) (-)





#77

Bromobenzene

Concen: 21.571 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

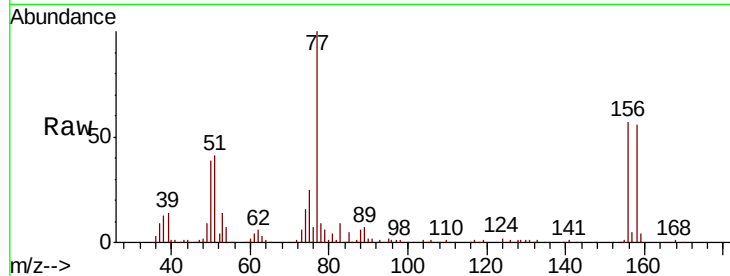
Tot Ion:156 Resp: 63285

Ion Ratio Lower Upper

156 100

77 209.4 103.6 310.9

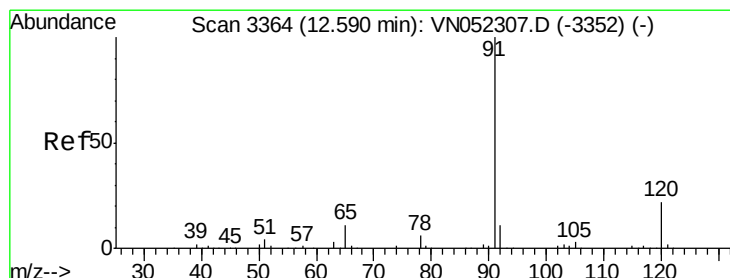
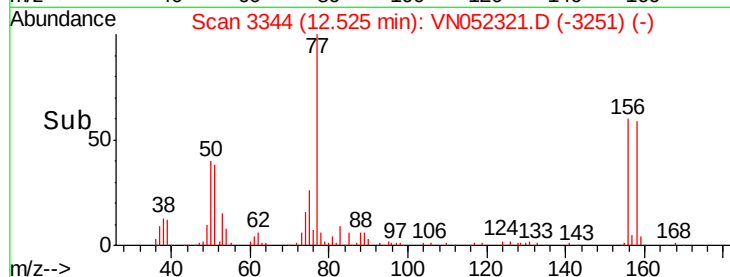
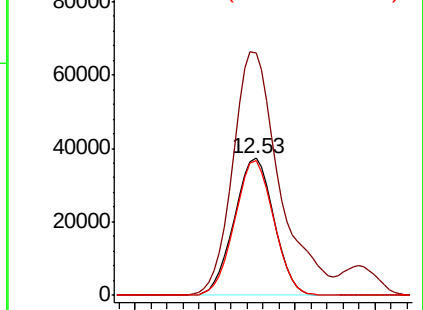
158 96.7 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.164 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052321.D

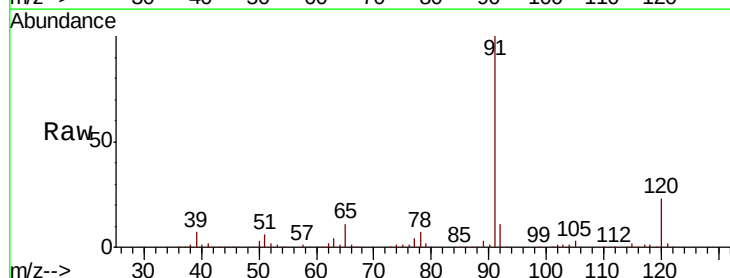
Acq: 14 Nov 2018 18:55

Tgt Ion: 91 Resp: 297350

Ion Ratio Lower Upper

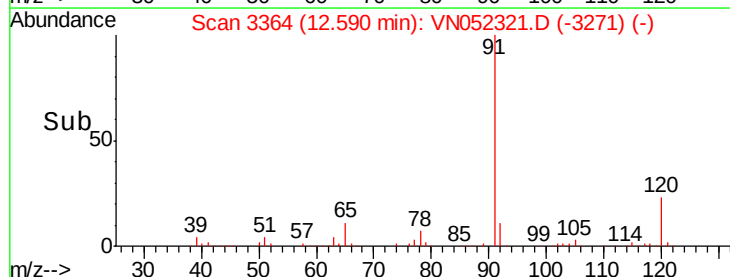
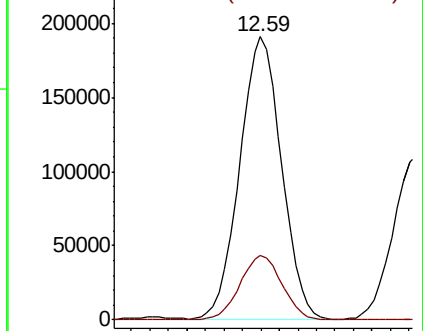
91 100

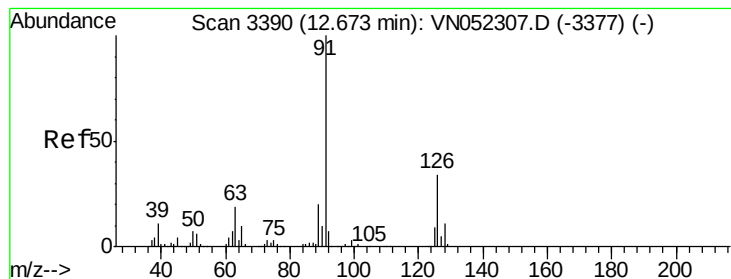
120 22.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.767 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

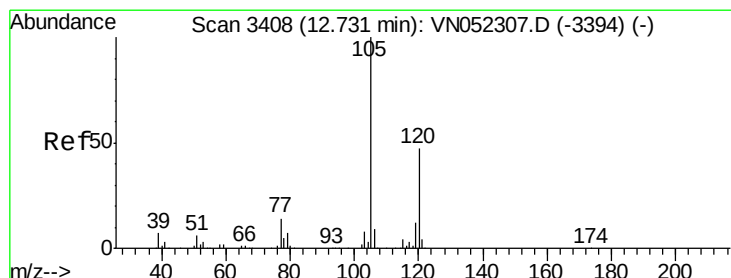
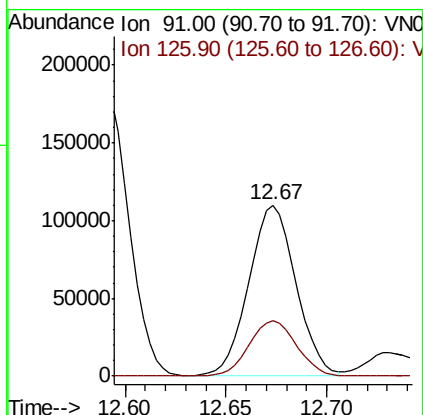
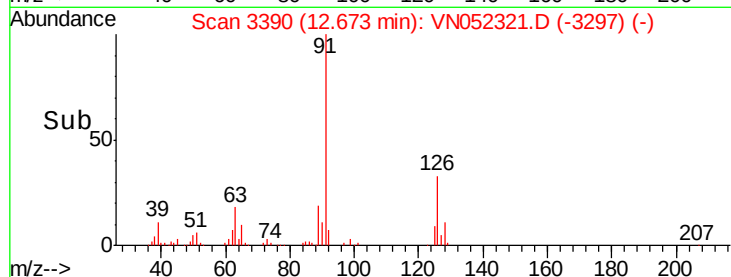
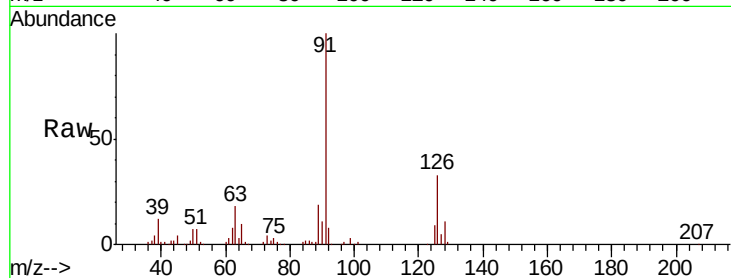
VN1114WBSD01

Tot Ion: 91 Resp: 178902

Ion Ratio Lower Upper

91 100

126 33.1 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 20.835 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052321.D

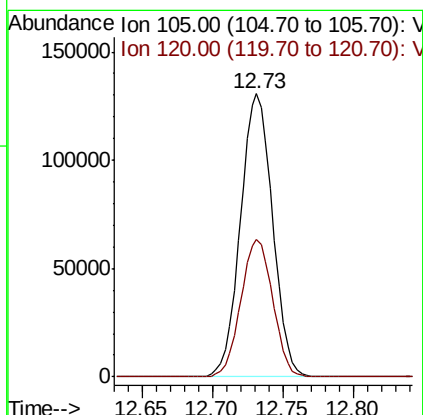
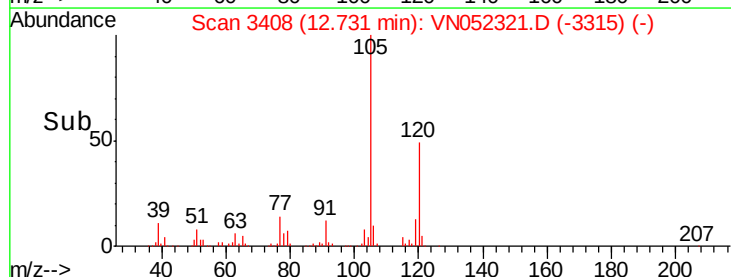
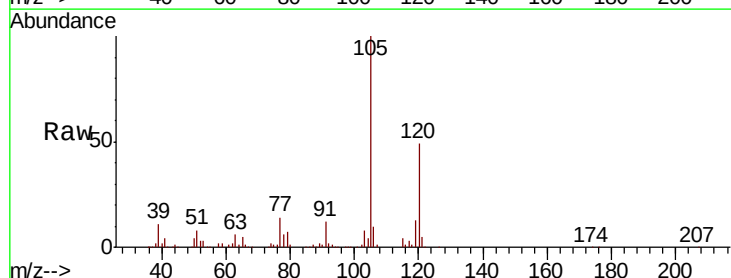
Acq: 14 Nov 2018 18:55

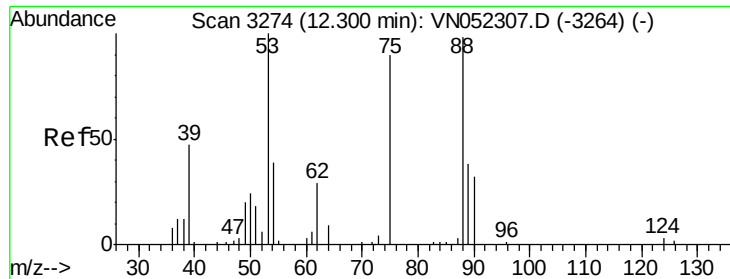
Tgt Ion: 105 Resp: 208913

Ion Ratio Lower Upper

105 100

120 48.3 23.7 71.1

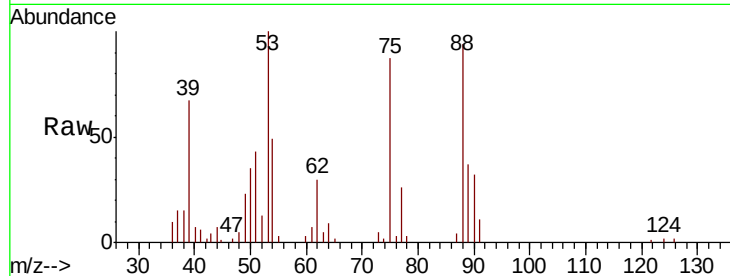




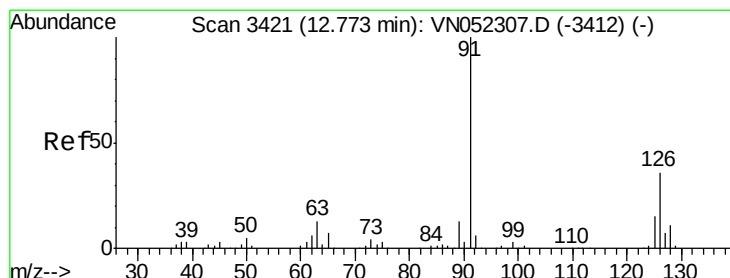
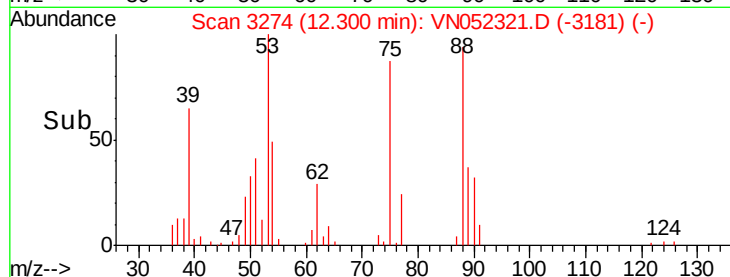
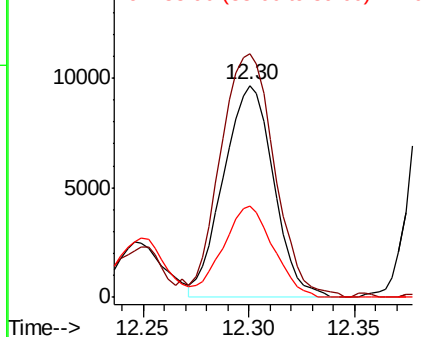
#81
trans-1,4-Dichloro-2-butene
Concen: 19.472 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Instrument :
MSVOA_N
ClientSampled :
VN1114WBSD01

Tot Ion: 75 Resp: 15976
Ion Ratio Lower Upper
75 100
53 123.1 90.2 135.2
89 43.4 35.4 53.0

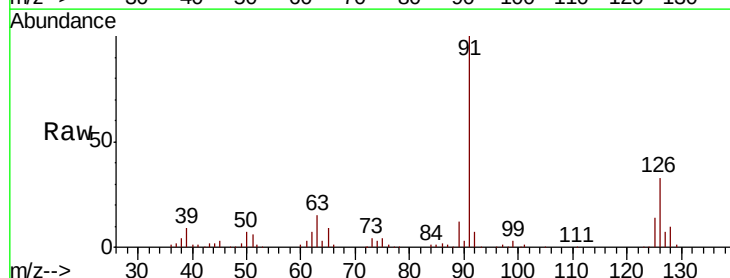


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

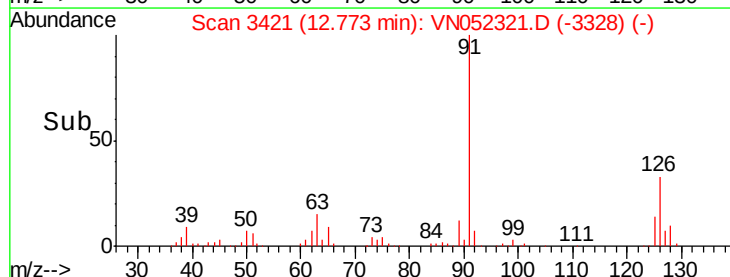
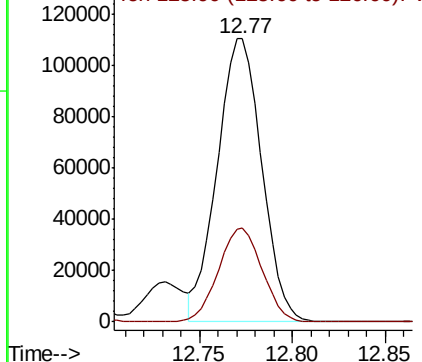


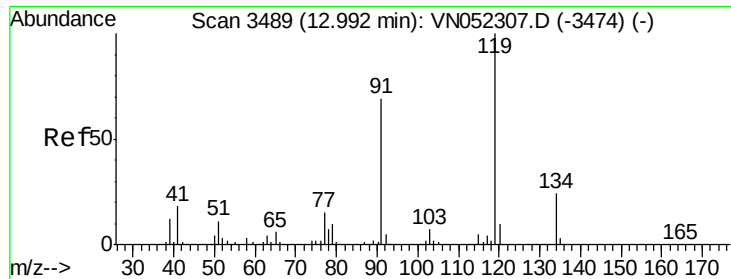
#82
4-Chlorotoluene
Concen: 20.841 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052321.D
Acq: 14 Nov 2018 18:55

Tgt Ion: 91 Resp: 183943
Ion Ratio Lower Upper
91 100
126 32.6 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V

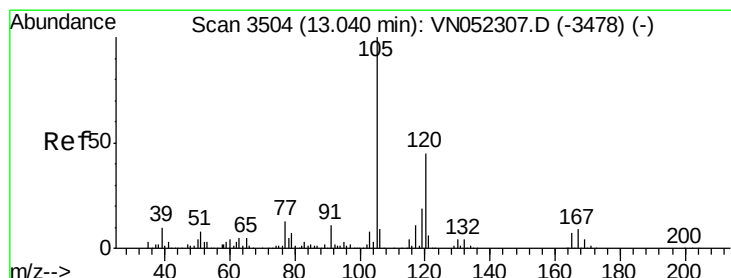
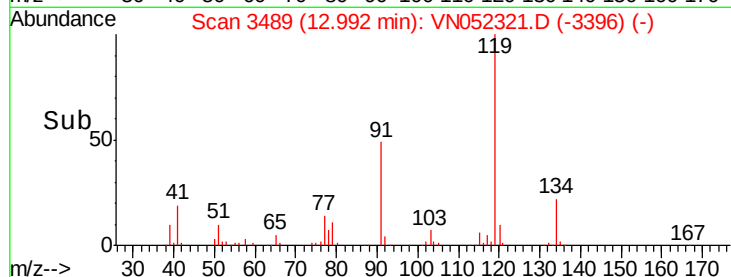
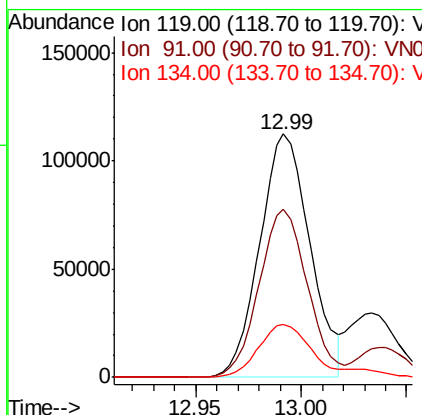
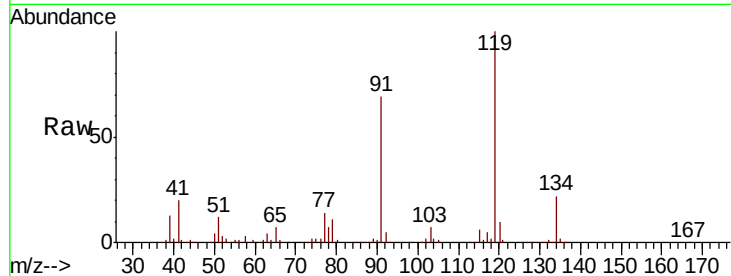




#83
 tert-Butylbenzene
 Concen: 21.082 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

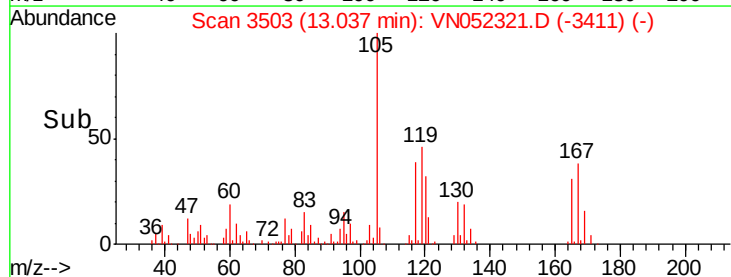
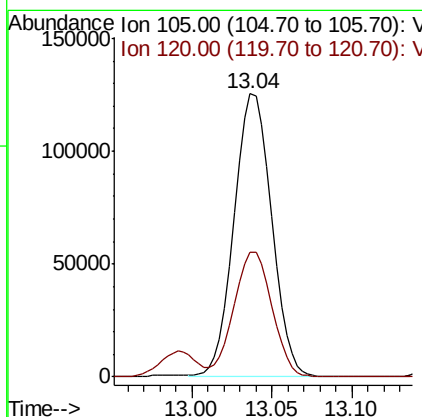
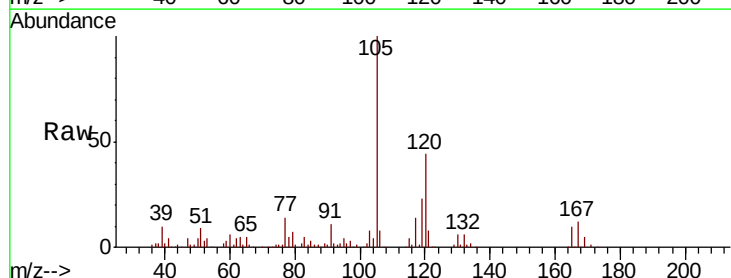
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

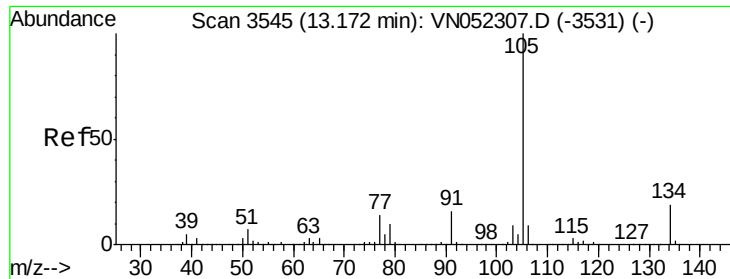
Tot Ion:119 Resp: 186628
 Ion Ratio Lower Upper
 119 100
 91 66.7 33.8 101.3
 134 22.6 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.939 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Tgt Ion:105 Resp: 200702
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.5 67.5





#85

sec-Butylbenzene

Concen: 19.753 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

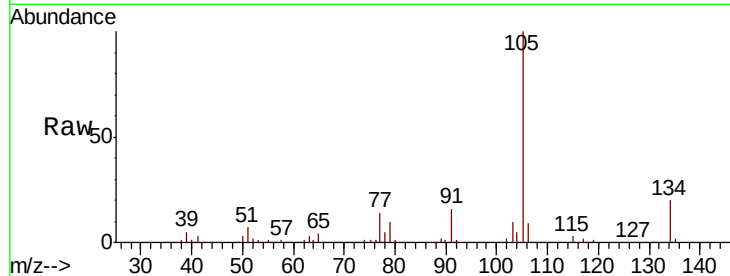
VN1114WBSD01

Tot Ion:105 Resp: 238197

Ion Ratio Lower Upper

105 100

134 19.7 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

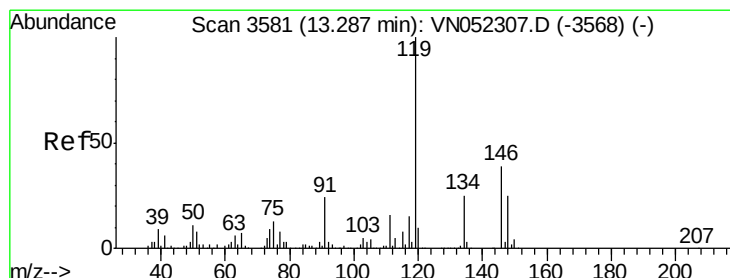
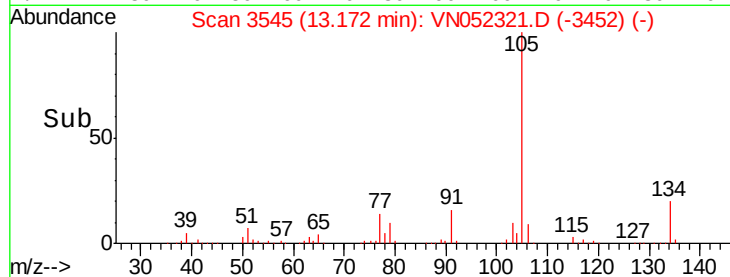
100000

50000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.577 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

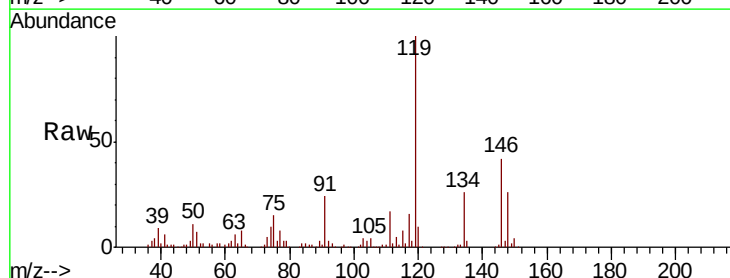
Tgt Ion:119 Resp: 199971

Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 24.7 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

150000

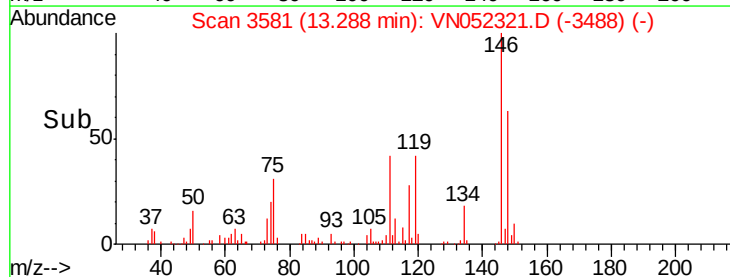
100000

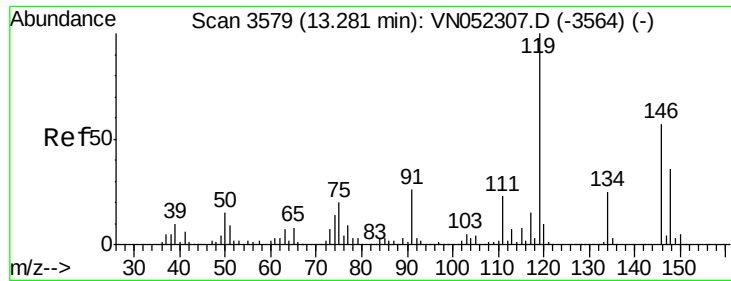
50000

0

13.25 13.30 13.35

Time-->

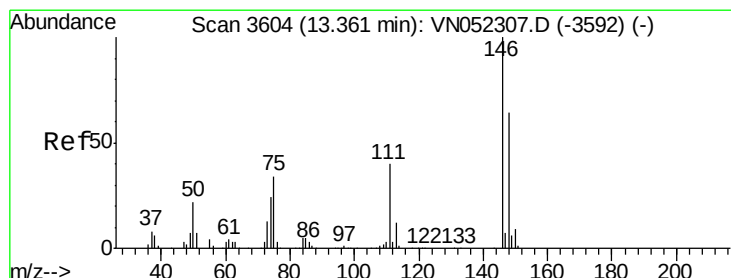
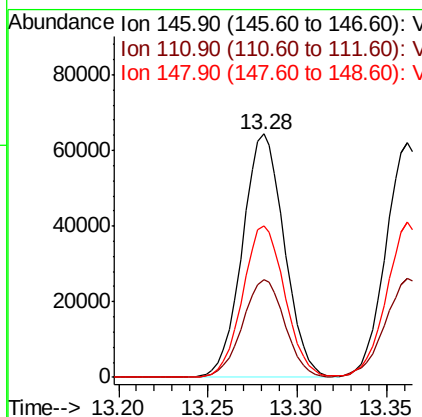
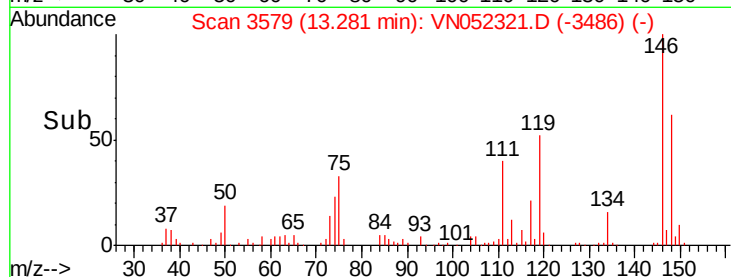
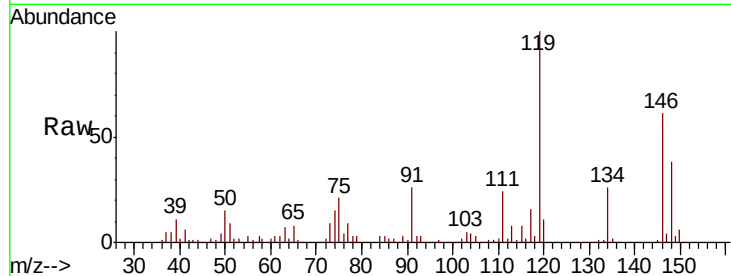




#87
 1,3-Dichlorobenzene
 Concen: 20.321 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

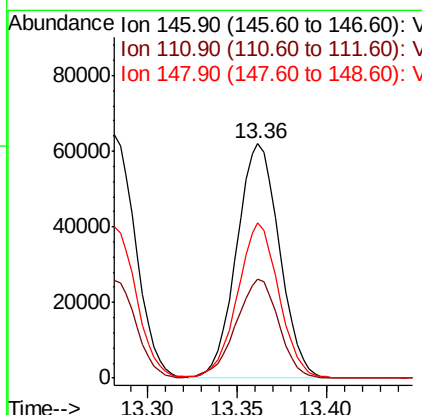
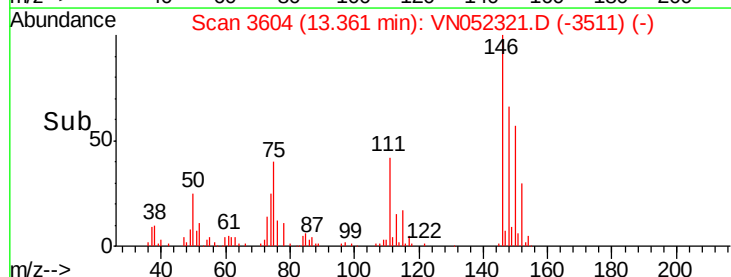
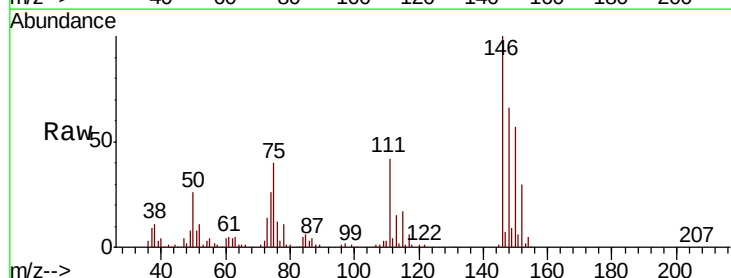
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

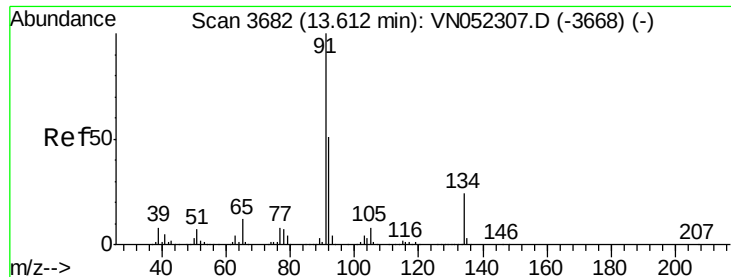
Tot Ion:146 Resp: 105883
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.3 61.0
 148 62.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.971 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Tgt Ion:146 Resp: 103455
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.6 61.8
 148 64.3 32.4 97.2





#89

n-Butylbenzene

Concen: 15.922 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

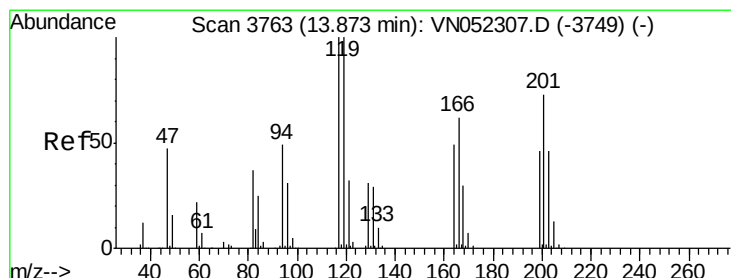
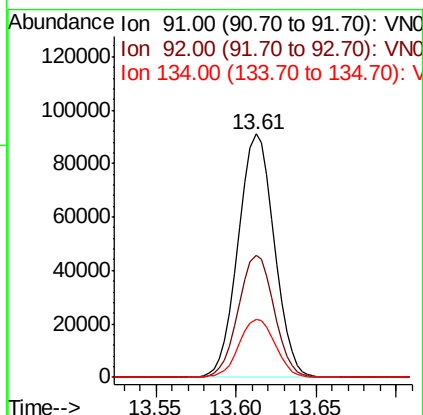
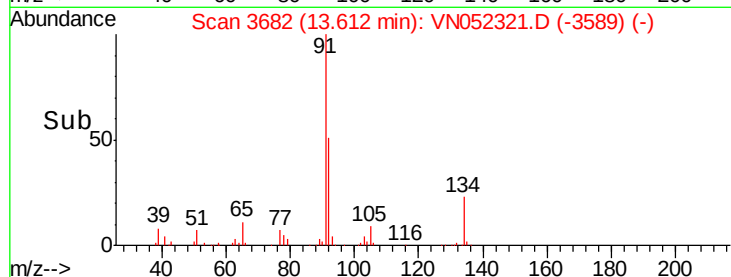
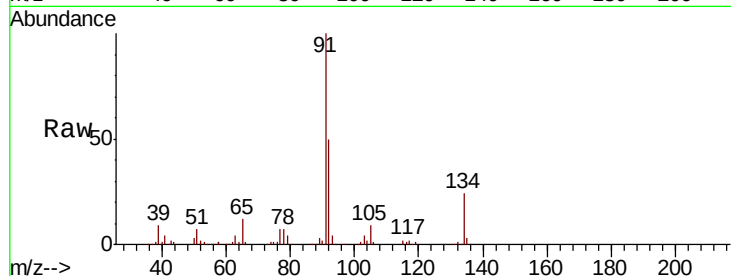
Tot Ion: 91 Resp: 139691

Ion Ratio Lower Upper

91 100

92 49.6 25.4 76.2

134 24.0 12.2 36.4



#90

Hexachloroethane

Concen: 20.094 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052321.D

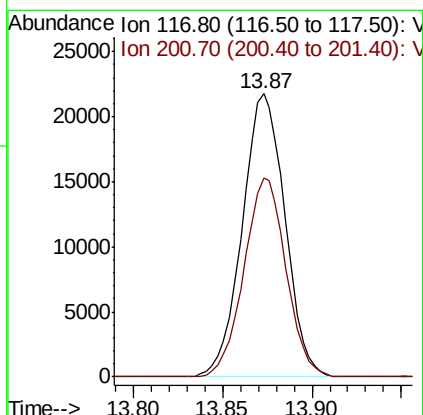
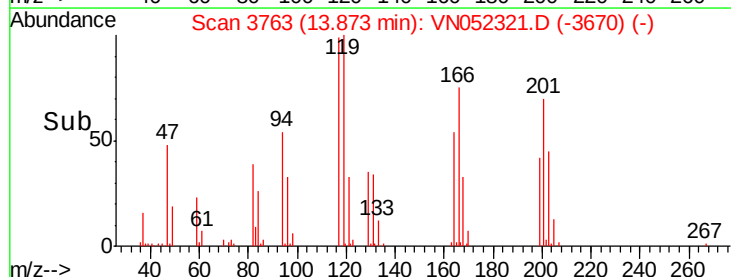
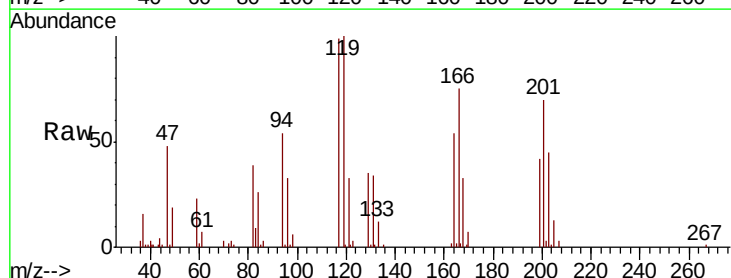
Acq: 14 Nov 2018 18:55

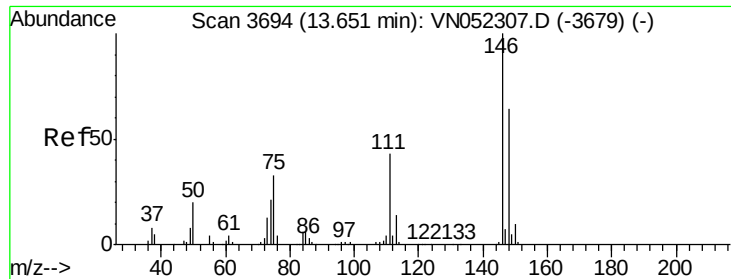
Tgt Ion: 117 Resp: 36355

Ion Ratio Lower Upper

117 100

201 69.3 35.3 105.9

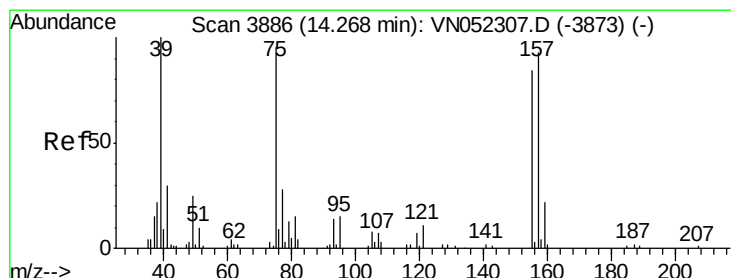
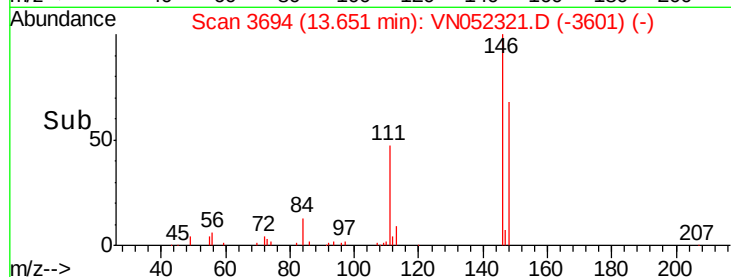
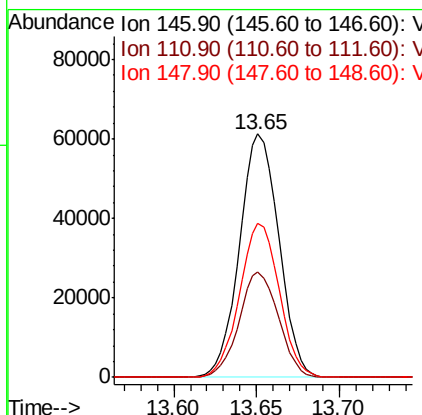
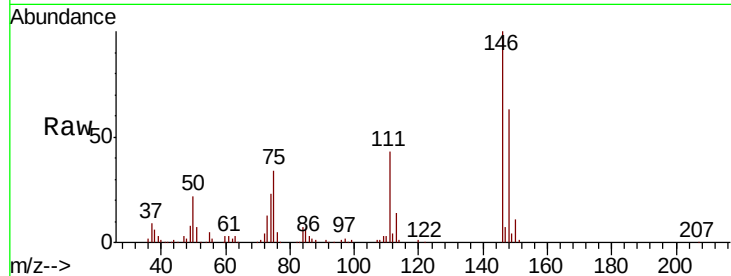




#91
 1,2-Dichlorobenzene
 Concen: 20.075 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

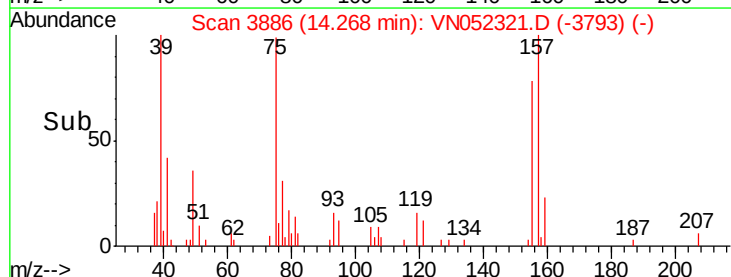
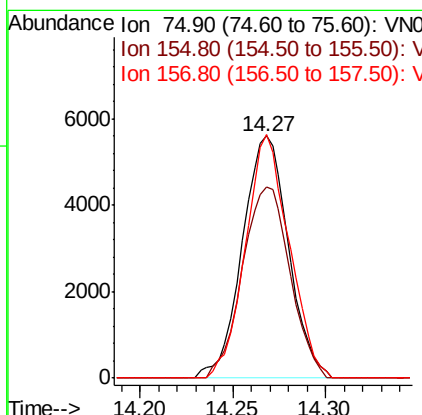
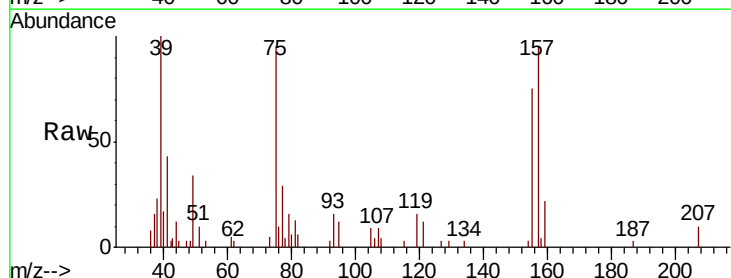
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

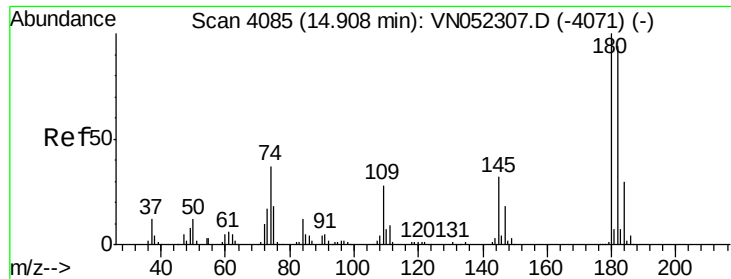
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.9
148	63.6	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.486 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	42.4	127.3
157	95.1	49.6	149.0

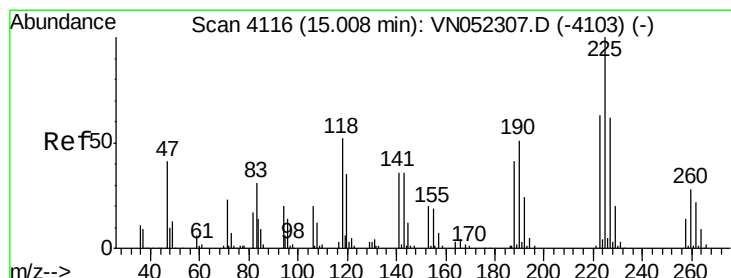
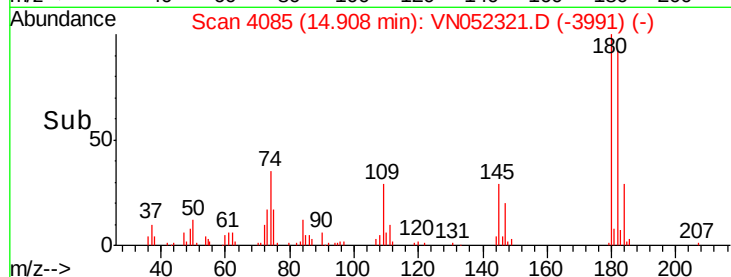
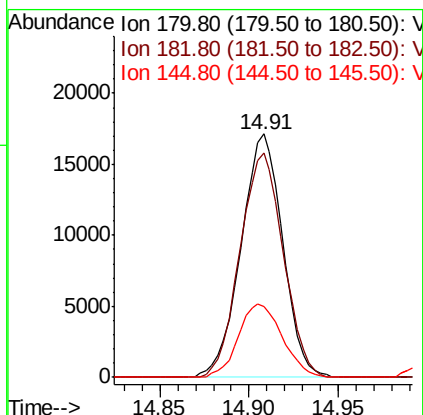
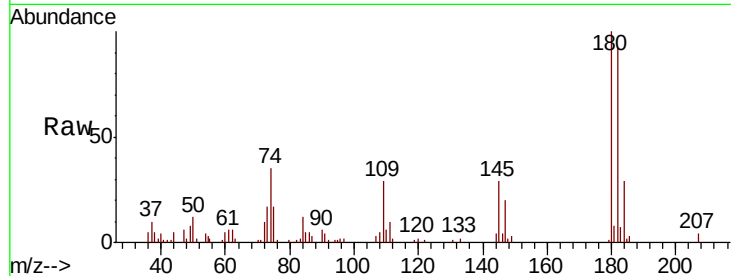




#93
 1,2,4-Trichlorobenzene
 Concen: 13.607 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

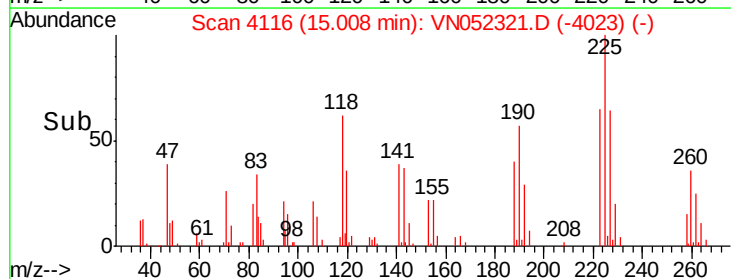
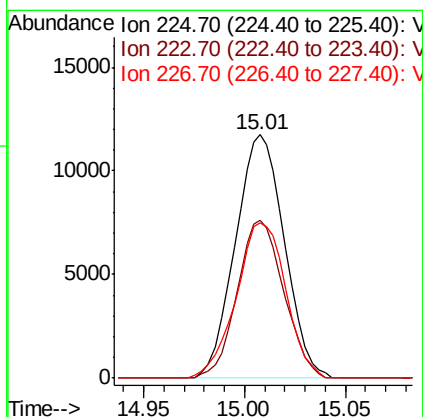
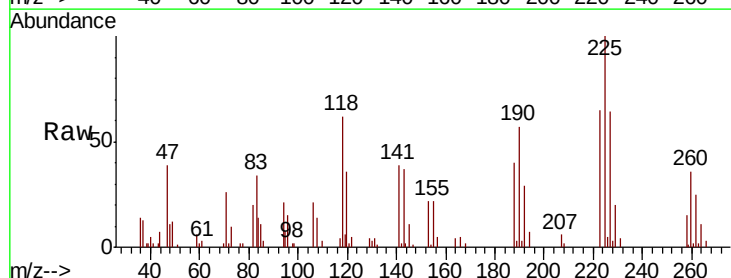
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

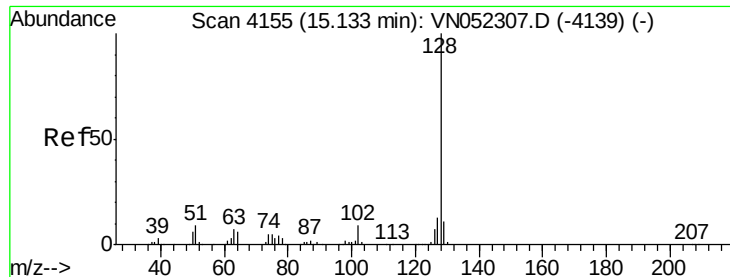
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.9
145	31.6	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 17.253 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052321.D
 Acq: 14 Nov 2018 18:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.9	95.5
227	64.7	31.6	95.0





#95

Naphthalene

Concen: 14.313 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

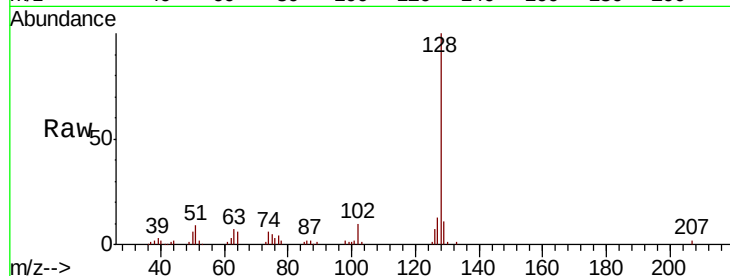
Tot Ion:128 Resp: 68571

Ion Ratio Lower Upper

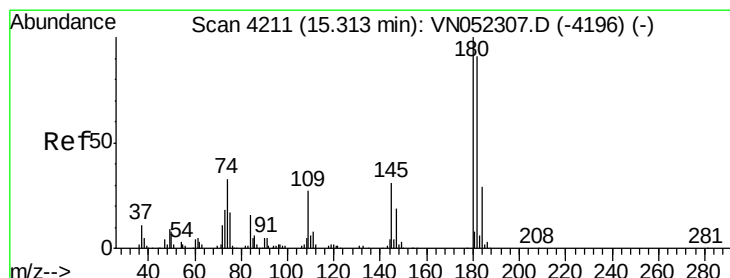
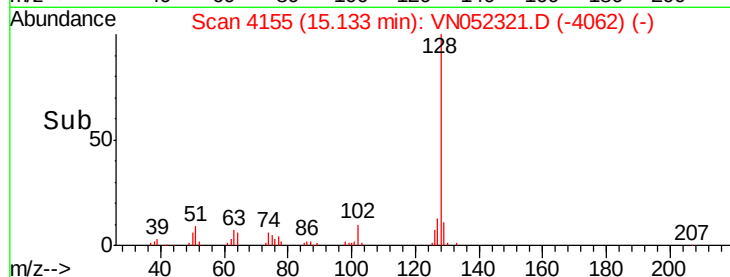
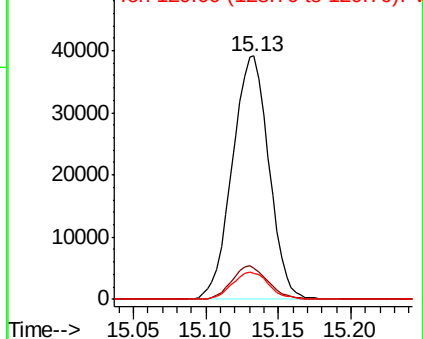
128 100

127 13.5 10.4 15.6

129 11.1 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: 13.918 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

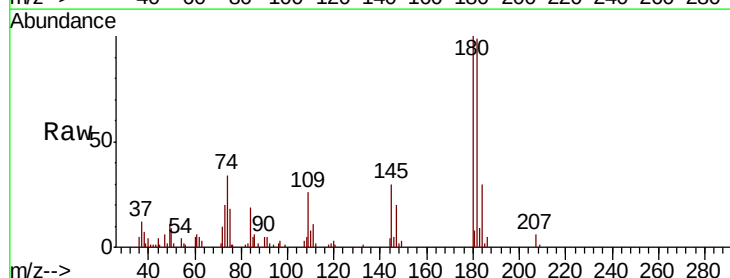
Tgt Ion:180 Resp: 26697

Ion Ratio Lower Upper

180 100

182 97.8 46.5 139.3

145 34.5 16.4 49.2



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

