

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111518\
 Data File : VN052334.D
 Acq On : 15 Nov 2018 11:16
 Operator : MD\SY
 Sample : VN1115WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 16 02:49:57 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	243184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	422666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	376786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161832	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	185969	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
35) Dibromofluoromethane	7.59	113	140061	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	10.09	98	531986	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	173429	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	50936	19.766	ug/l 98
3) Chloromethane	2.06	50	70384	19.654	ug/l 96
4) Vinyl Chloride	2.19	62	59623	19.261	ug/l 99
5) Bromomethane	2.58	94	35426	18.357	ug/l 94
6) Chloroethane	2.71	64	33057	18.887	ug/l 98
7) Trichlorofluoromethane	3.03	101	81780	19.091	ug/l 99
8) Diethyl Ether	3.41	74	30907	18.931	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	50076	18.511	ug/l 99
10) Methyl Iodide	3.96	142	67407	18.558	ug/l 99
11) Tert butyl alcohol	4.79	59	15180	83.688	ug/l # 87
12) 1,1-Dichloroethene	3.74	96	46458	18.558	ug/l 88
13) Acrolein	3.61	56	22811	97.887	ug/l 99
14) Allyl chloride	4.33	41	89909	17.491	ug/l 95
15) Acrylonitrile	4.99	53	96363	93.037	ug/l 98
16) Acetone	3.82	43	83875	88.693	ug/l 95
17) Carbon Disulfide	4.06	76	130514	18.182	ug/l 99
18) Methyl Acetate	4.33	43	48443	18.554	ug/l 96
19) Methyl tert-butyl Ether	5.05	73	139913	19.449	ug/l 98
20) Methylene Chloride	4.56	84	60384	20.576	ug/l 98
21) trans-1,2-Dichloroethene	5.05	96	50753	18.831	ug/l 99
22) Diisopropyl ether	5.95	45	209900	20.013	ug/l 99
23) Vinyl Acetate	5.90	43	700717	98.489	ug/l 100
24) 1,1-Dichloroethane	5.85	63	108289	19.255	ug/l 100
25) 2-Butanone	6.83	43	122329	91.900	ug/l 94
26) 2,2-Dichloropropane	6.83	77	75379	18.228	ug/l 98
27) cis-1,2-Dichloroethene	6.83	96	60517	19.288	ug/l 99
28) Bromochloromethane	7.19	49	60614	20.962	ug/l 98
29) Tetrahydrofuran	7.21	42	76041	86.959	ug/l 99
30) Chloroform	7.37	83	112692	21.026	ug/l 98
31) Cyclohexane	7.66	56	100983	18.675	ug/l 95
32) 1,1,1-Trichloroethane	7.57	97	85545	18.737	ug/l 100
36) 1,1-Dichloropropene	7.79	75	77883	18.384	ug/l 100
37) Ethyl Acetate	6.93	43	55105	17.923	ug/l # 98
38) Carbon Tetrachloride	7.77	117	73428	18.866	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	87531	18.099	ug/l	97
40) Benzene	8.04	78	230307	19.030	ug/l	98
41) Methacrylonitrile	7.17	41	28056	18.911	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	83636	19.380	ug/l	100
43) Isopropyl Acetate	8.17	43	100918	17.010	ug/l	100
44) Trichloroethene	8.83	130	56018	18.791	ug/l	99
45) 1,2-Dichloropropane	9.12	63	65551	19.085	ug/l	98
46) Dibromomethane	9.21	93	37994	19.109	ug/l	98
47) Bromodichloromethane	9.40	83	80623	19.760	ug/l	96
48) Methyl methacrylate	9.20	41	51111	16.978	ug/l	100
49) 1,4-Dioxane	9.20	88	9679	418.833	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	264132	88.445	ug/l	99
52) Toluene	10.15	92	139960	19.332	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	75470	18.340	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	91828	19.575	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	48586	18.512	ug/l	98
56) Ethyl methacrylate	10.43	69	63781	18.479	ug/l	99
57) 1,3-Dichloropropane	10.71	76	87658	18.856	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	195655	99.566	ug/l	99
59) 2-Hexanone	10.75	43	180395	87.820	ug/l	99
60) Dibromochloromethane	10.90	129	53635	18.888	ug/l	98
61) 1,2-Dibromoethane	11.00	107	48158	18.421	ug/l	99
64) Tetrachloroethene	10.63	164	49349	18.423	ug/l	99
65) Chlorobenzene	11.43	112	150202	18.859	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	53332	19.637	ug/l	99
67) Ethyl Benzene	11.51	91	262939	19.022	ug/l	99
68) m/p-Xylenes	11.62	106	193691	38.350	ug/l	98
69) o-Xylene	11.95	106	94589	19.538	ug/l	99
70) Styrene	11.96	104	150818	19.455	ug/l	99
71) Bromoform	12.12	173	28548	17.803	ug/l #	99
73) Isopropylbenzene	12.25	105	249792	19.198	ug/l	100
74) N-amyl acetate	12.07	43	85055	18.353	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	58136	18.484	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	74960	27.298	ug/l #	100
77) Bromobenzene	12.52	156	58105	19.193	ug/l	98
78) n-propylbenzene	12.59	91	288445	18.956	ug/l	99
79) 2-Chlorotoluene	12.67	91	171581	19.302	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	207577	20.062	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	13669	16.145	ug/l	94
82) 4-Chlorotoluene	12.77	91	171949	18.880	ug/l	98
83) tert-Butylbenzene	12.99	119	174415	19.093	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	206185	19.850	ug/l	99
85) sec-Butylbenzene	13.17	105	238454	19.163	ug/l	100
86) p-Isopropyltoluene	13.29	119	198234	18.806	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	102500	19.064	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	99509	18.616	ug/l	99
89) n-Butylbenzene	13.61	91	166849	18.430	ug/l	98
90) Hexachloroethane	13.87	117	33950	18.184	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	99879	19.174	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	8117	17.501	ug/l	94

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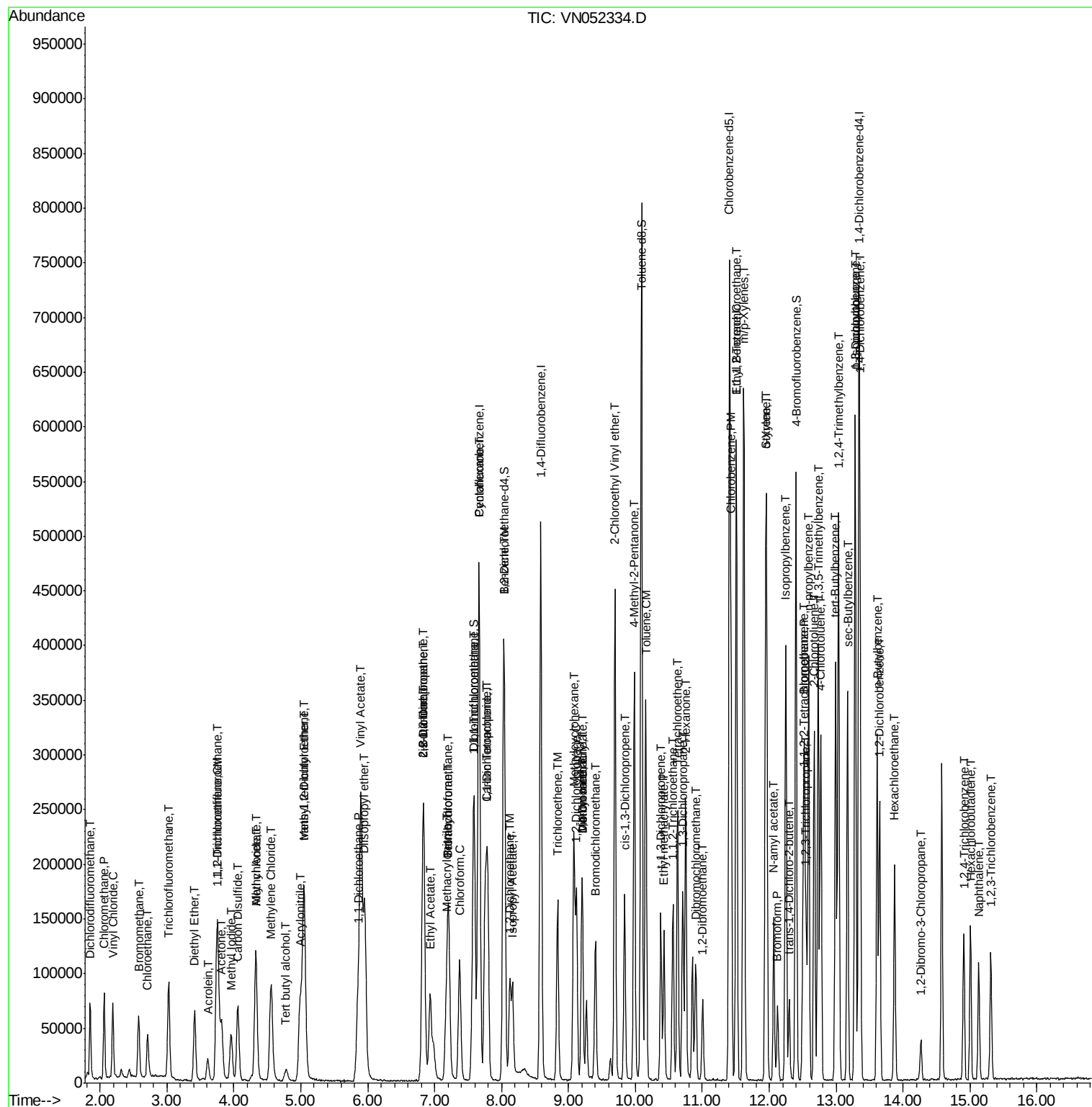
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37623	17.079	ug/l	100
94) Hexachlorobutadiene	15.01	225	22708	19.046	ug/l	97
95) Naphthalene	15.13	128	82646	16.280	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	35492	17.931	ug/l	99

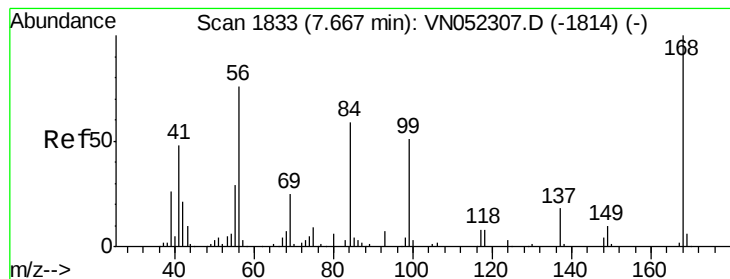
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

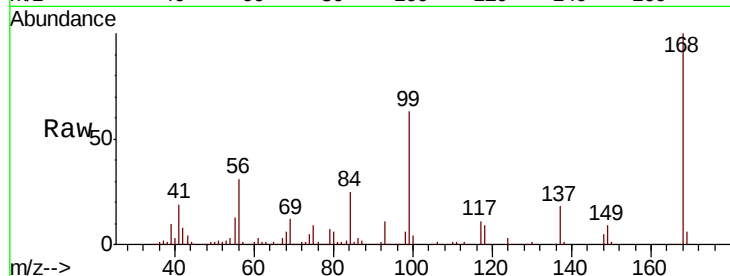
ClientSampled :

Tot Ion:168 Resp: 243184

Ion Ratio Lower Upper

168 100

99 62.7 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

120000

100000

80000

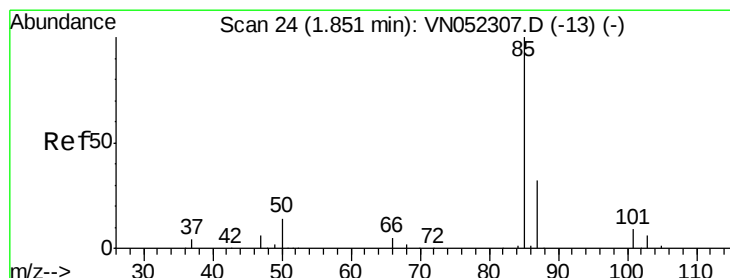
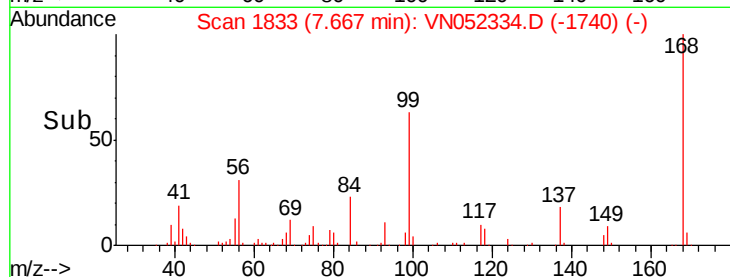
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.766 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052334.D

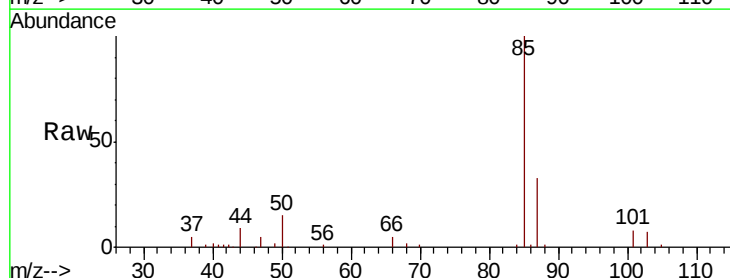
Acq: 15 Nov 2018 11:16

Tgt Ion: 85 Resp: 50936

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

40000

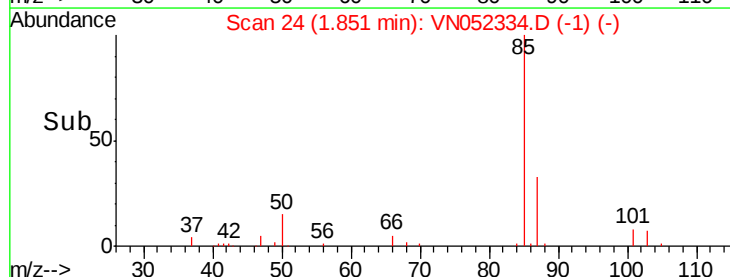
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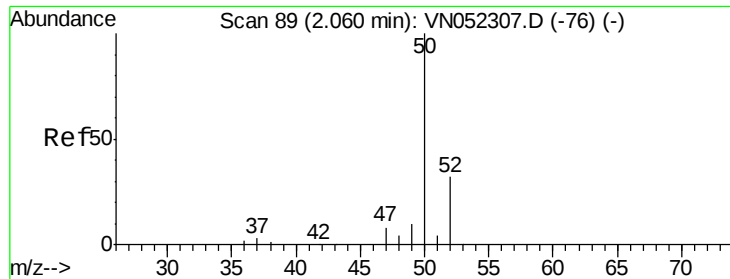
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.654 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

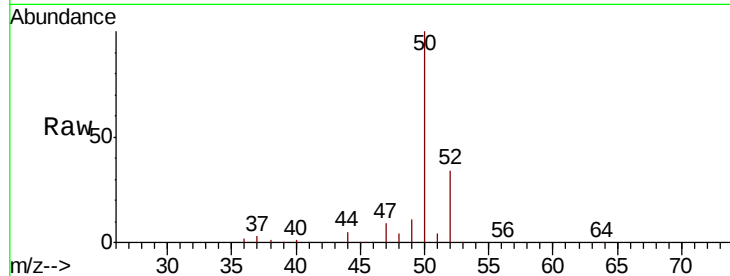
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 70384

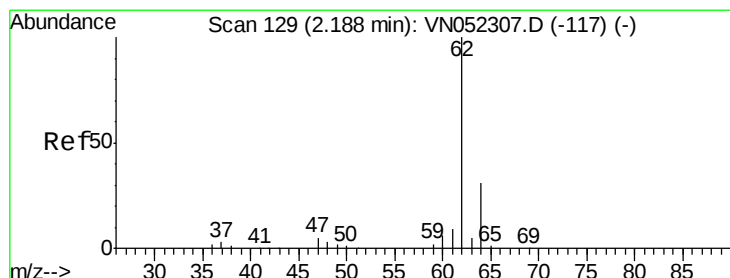
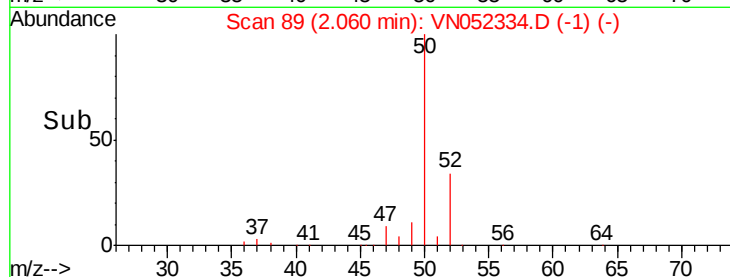
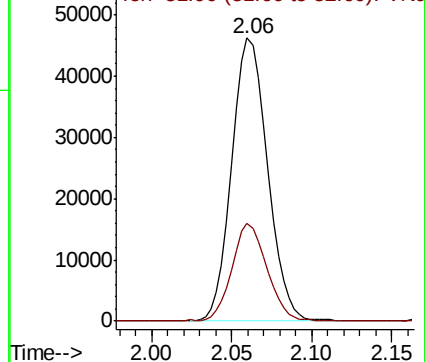
Ion Ratio Lower Upper

50 100

52 34.3 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: 19.261 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052334.D

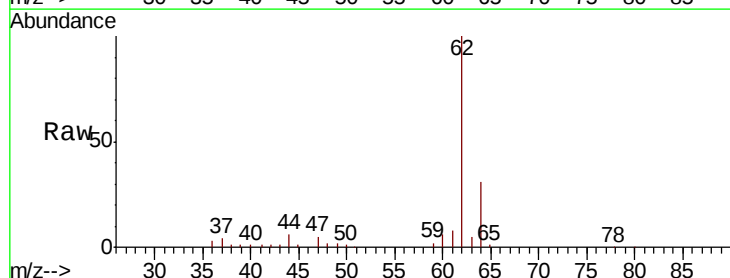
Acq: 15 Nov 2018 11:16

Tgt Ion: 62 Resp: 59623

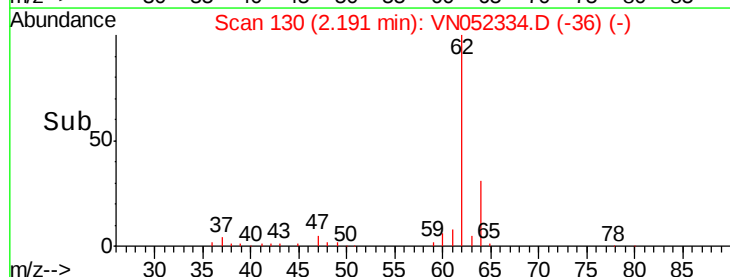
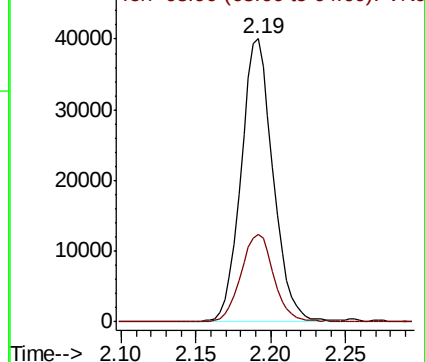
Ion Ratio Lower Upper

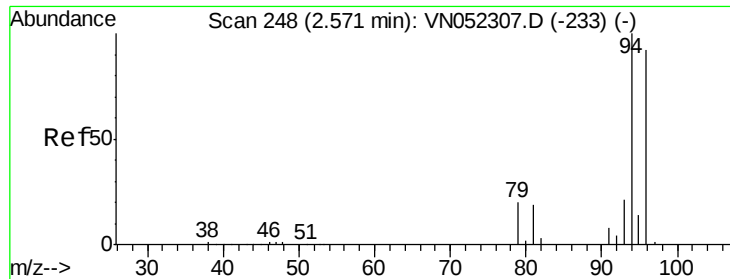
62 100

64 30.8 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: 18.357 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

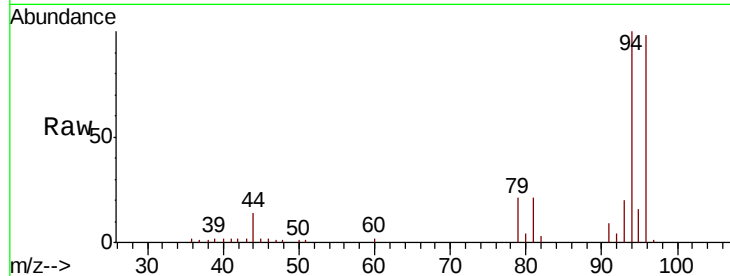
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 35426

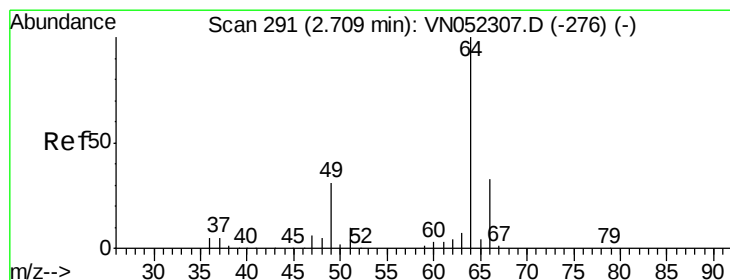
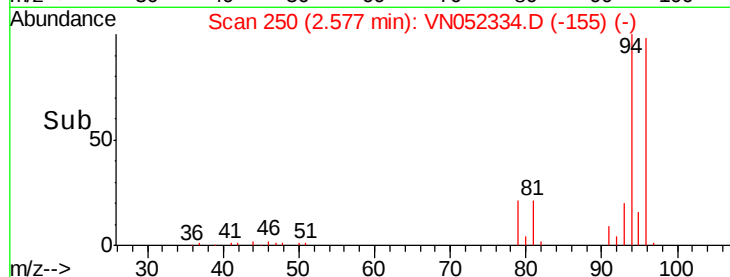
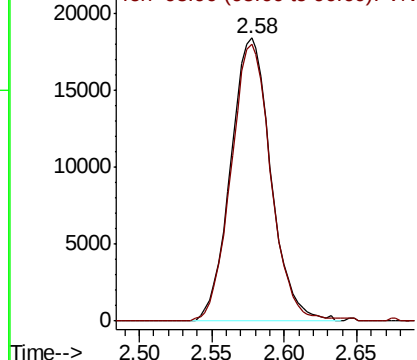
Ion Ratio Lower Upper

94 100

96 97.8 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.887 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052334.D

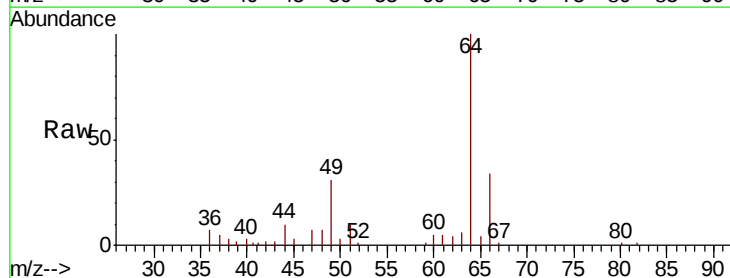
Acq: 15 Nov 2018 11:16

Tgt Ion: 64 Resp: 33057

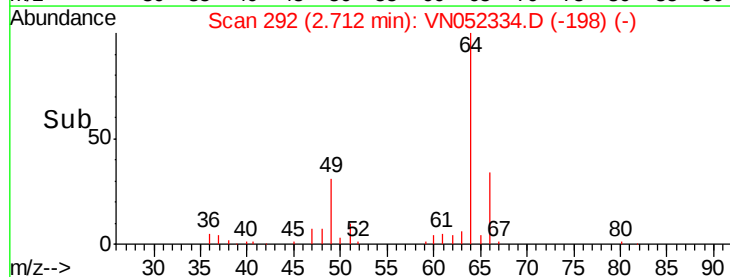
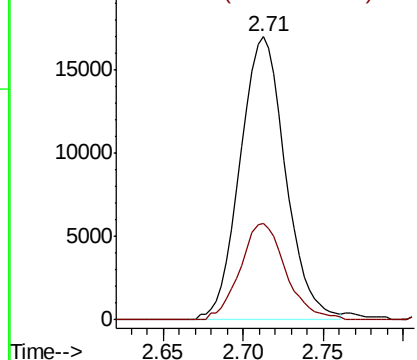
Ion Ratio Lower Upper

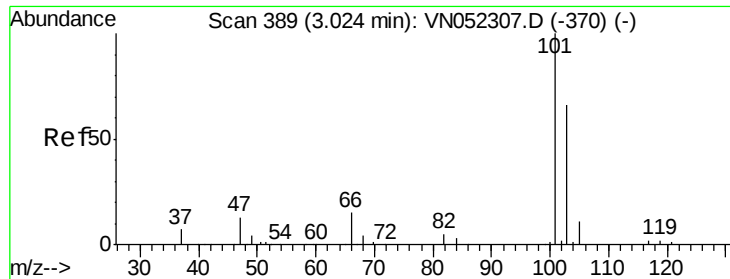
64 100

66 34.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



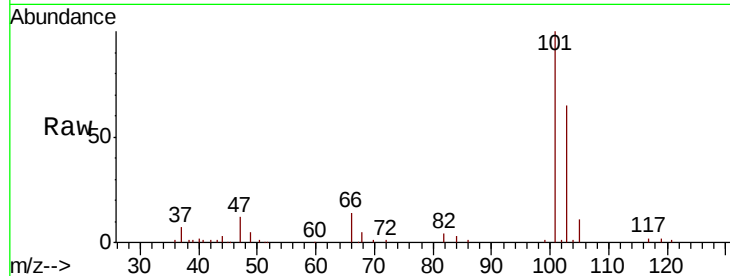


#7

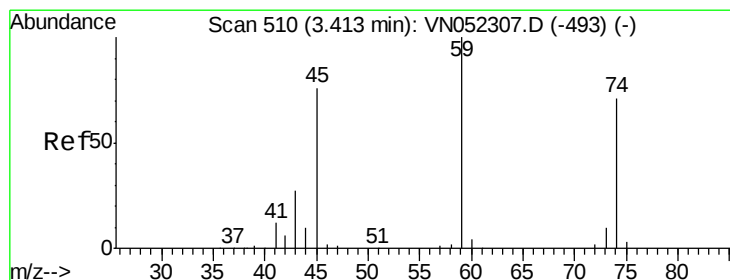
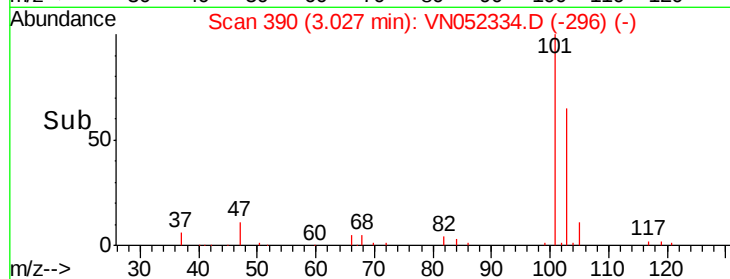
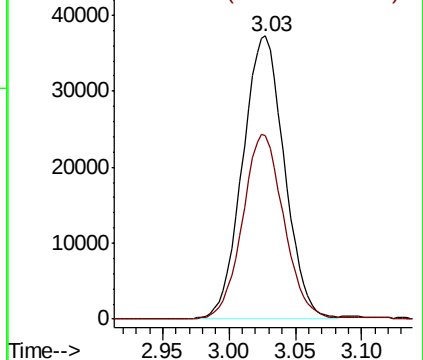
Trichlorofluoromethane
 Concen: 19.091 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:101 Resp: 81780
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.8 79.2



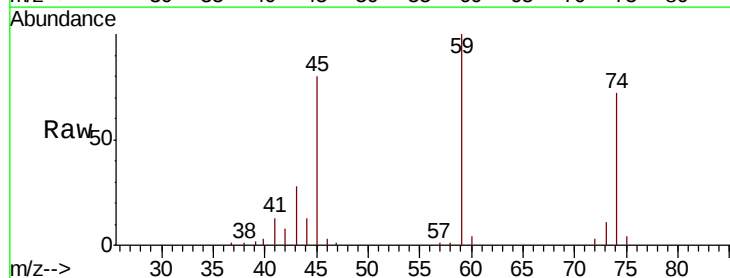
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



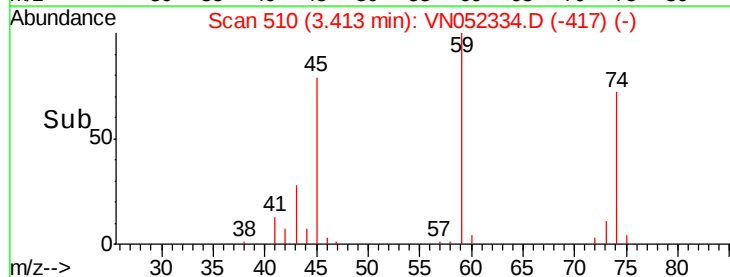
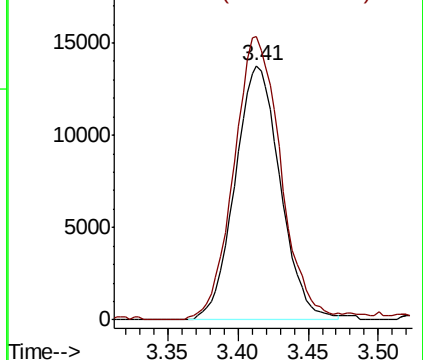
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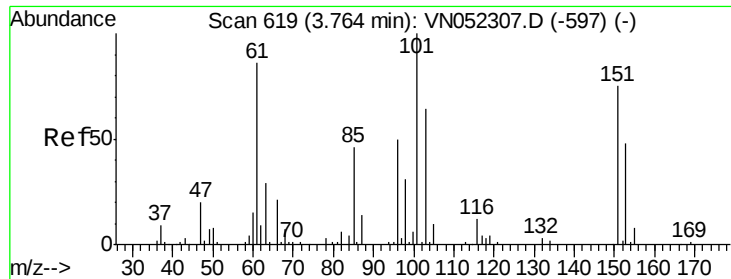
Diethyl Ether
 Concen: 18.931 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Tgt Ion: 74 Resp: 30907
 Ion Ratio Lower Upper
 74 100
 45 115.5 54.3 162.9



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO

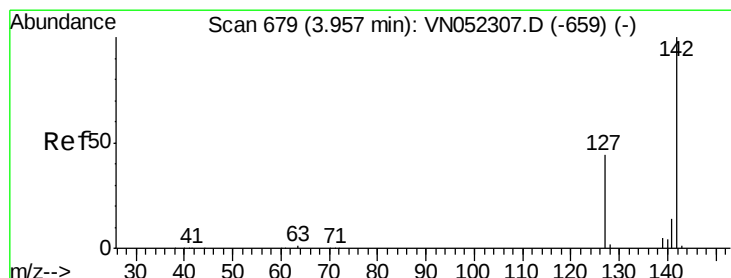
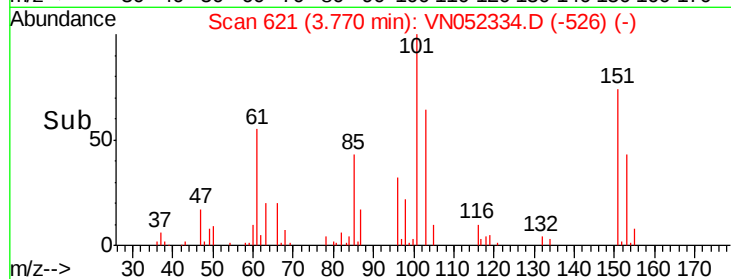
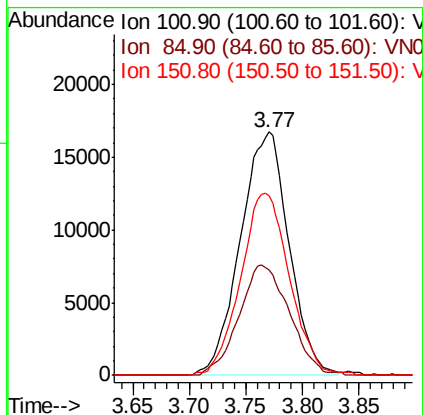
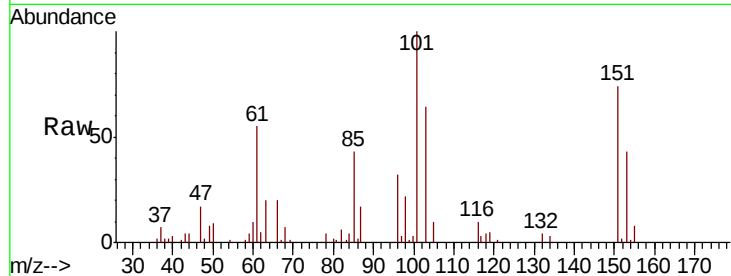




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.511 ug/l
 RT: 3.77 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

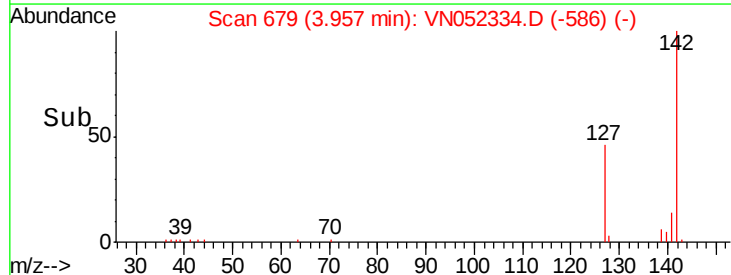
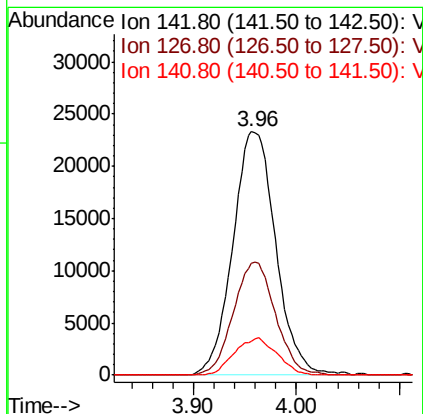
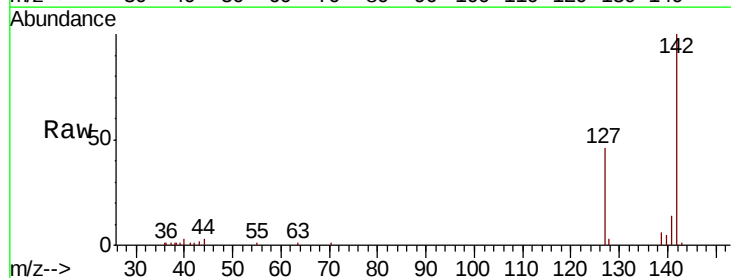
Instrument :
 MSVOA_N
 ClientSampled :

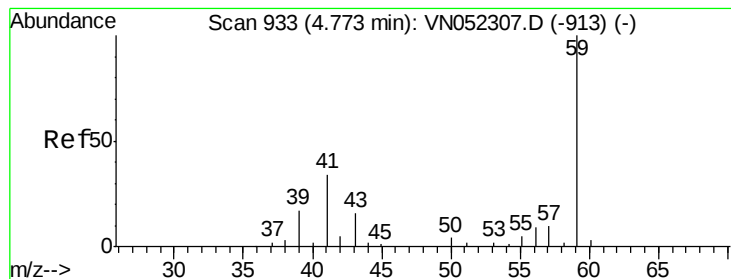
Tot Ion:101 Resp: 50076
 Ion Ratio Lower Upper
 101 100
 85 46.8 37.4 56.0
 151 75.2 58.6 88.0



#10
 Methyl Iodide
 Concen: 18.558 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Tgt Ion:142 Resp: 67407
 Ion Ratio Lower Upper
 142 100
 127 45.5 36.3 54.5
 141 15.1 11.4 17.2



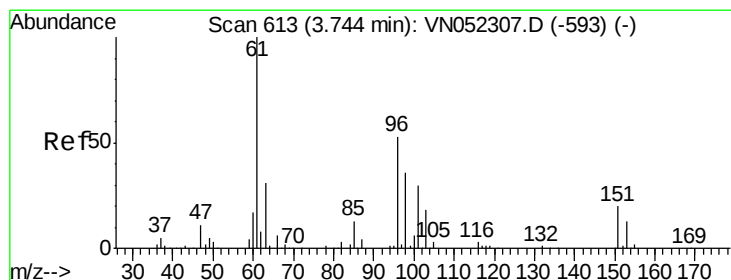
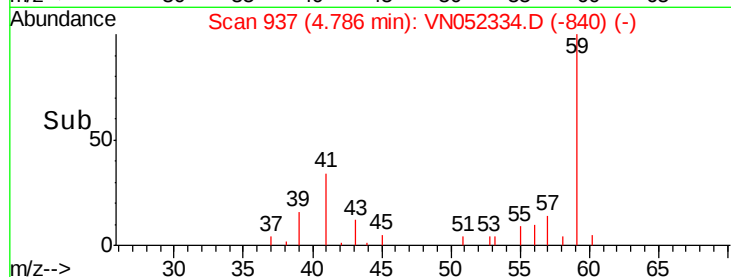
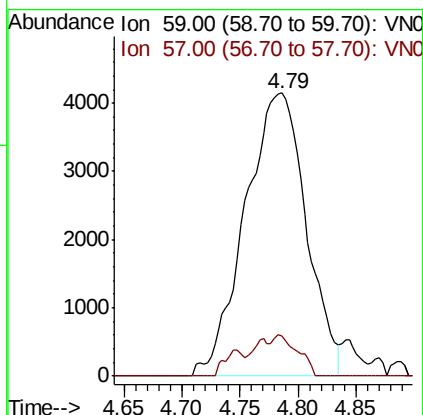
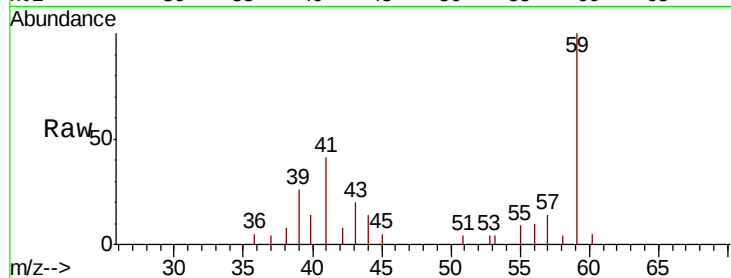


#11

Tert butyl alcohol
 Concen: 83.688 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :

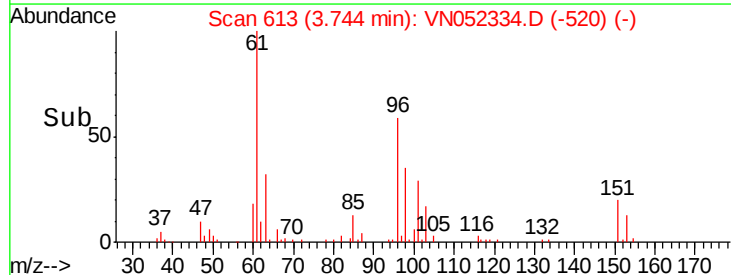
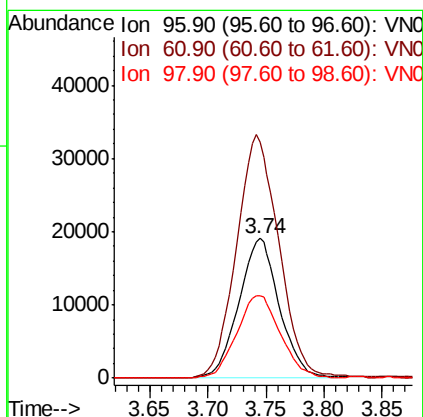
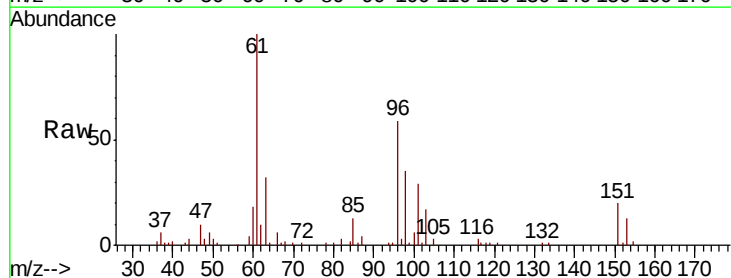
Tot Ion: 59 Resp: 15180
 Ion Ratio Lower Upper
 59 100
 57 5.8 8.5 12.7#

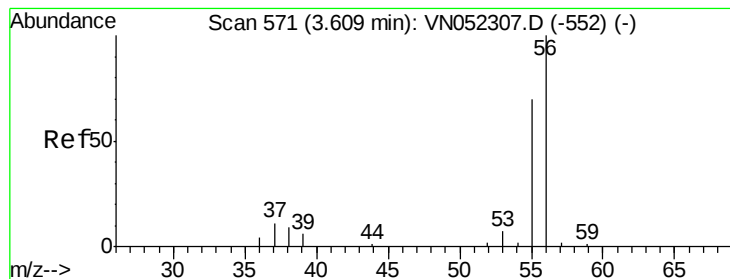


#12

1,1-Dichloroethene
 Concen: 18.558 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Tgt Ion: 96 Resp: 46458
 Ion Ratio Lower Upper
 96 100
 61 169.4 149.6 224.4
 98 58.7 54.2 81.2





#13

Acrolein

Concen: 97.887 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

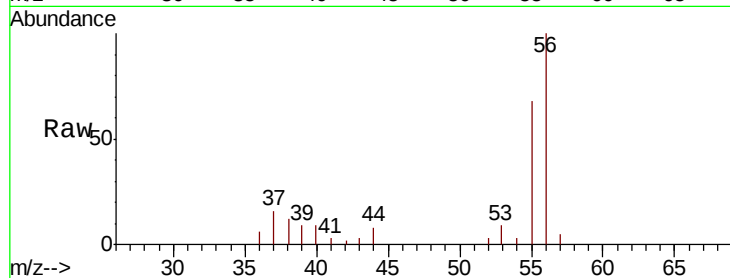
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 22811

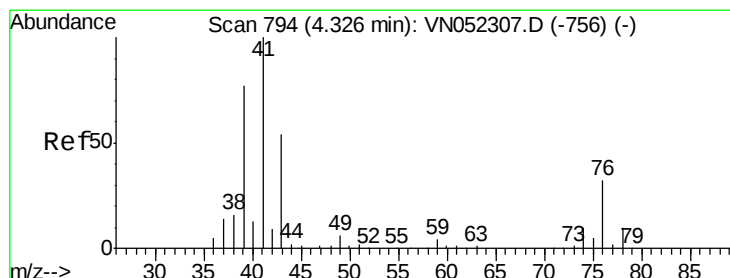
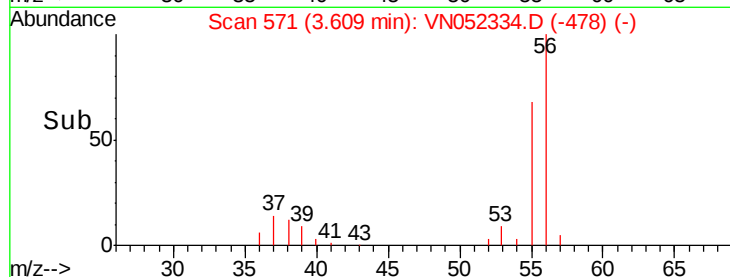
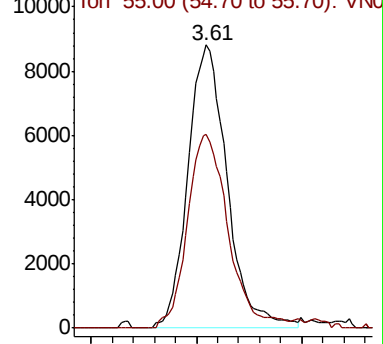
Ion Ratio Lower Upper

56 100

55 71.1 57.6 86.4



Abundance Ion 56.00 (55.70 to 56.70): VN052334.D (-478) (-)



#14

Allyl chloride

Concen: 17.491 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

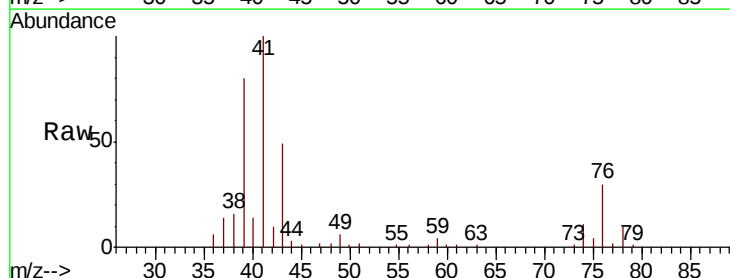
Tgt Ion: 41 Resp: 89909

Ion Ratio Lower Upper

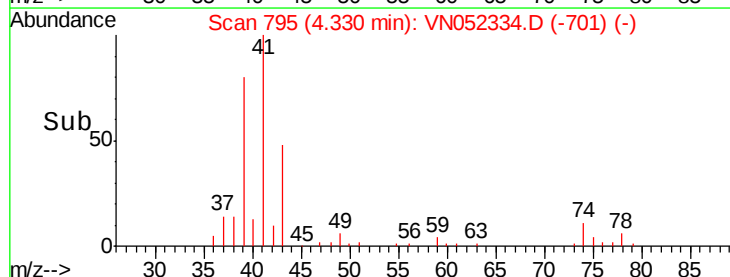
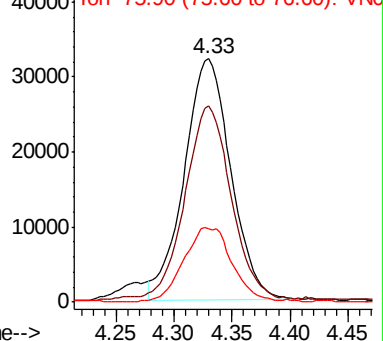
41 100

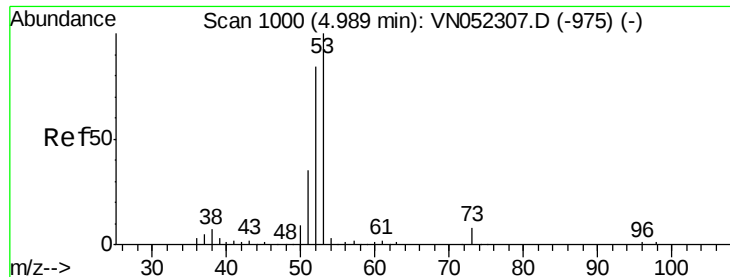
39 78.0 59.1 88.7

76 32.2 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VN052334.D (-701) (-)





#15

Acrylonitrile

Concen: 93.037 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

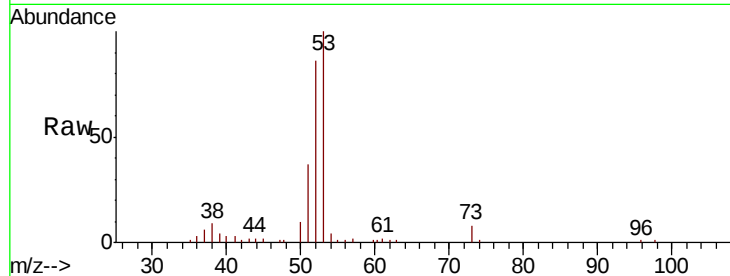
Tot Ion: 53 Resp: 96363

Ion Ratio Lower Upper

53 100

52 81.7 67.5 101.3

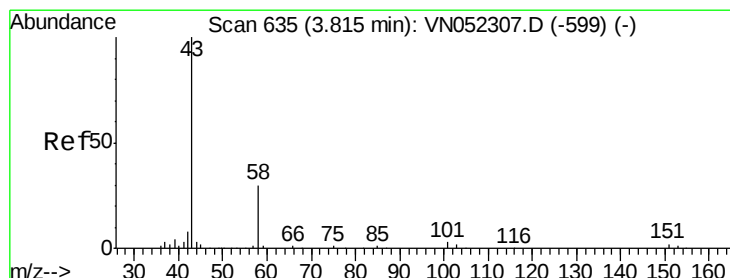
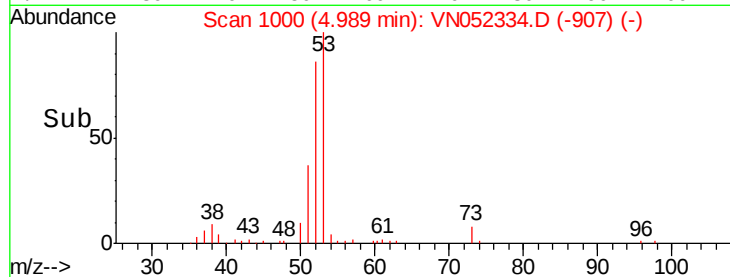
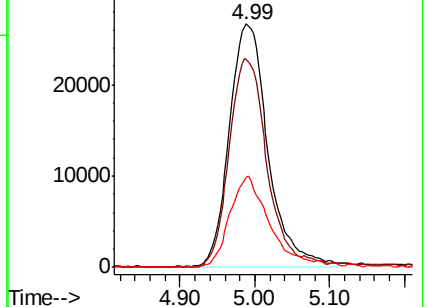
51 37.5 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 88.693 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052334.D

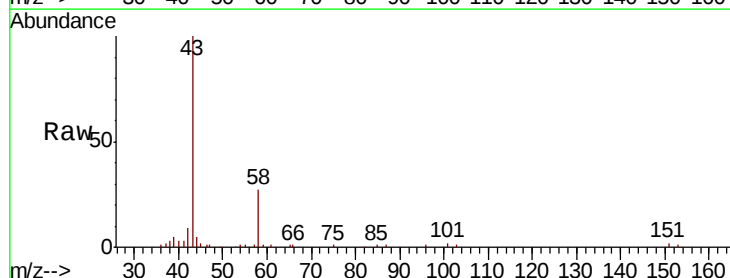
Acq: 15 Nov 2018 11:16

Tgt Ion: 43 Resp: 83875

Ion Ratio Lower Upper

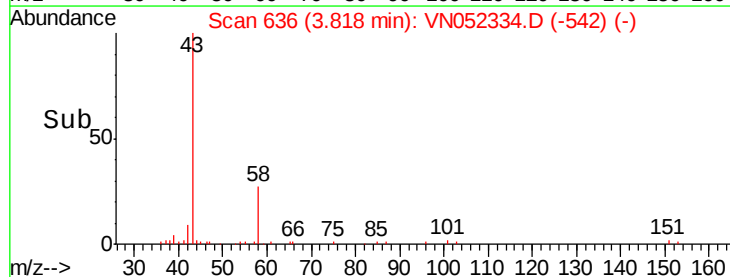
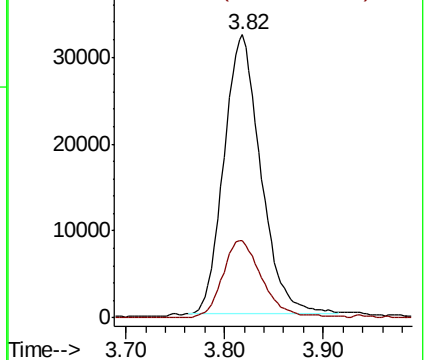
43 100

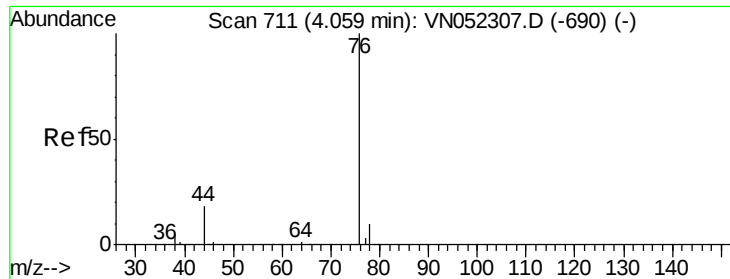
58 27.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

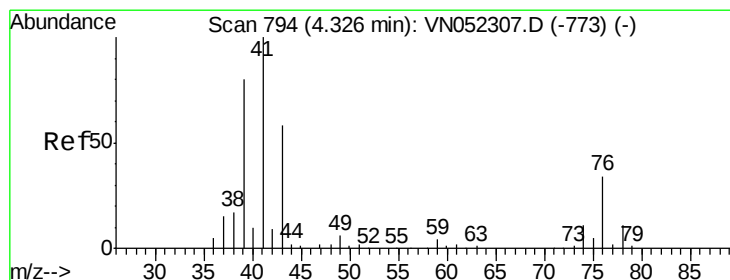
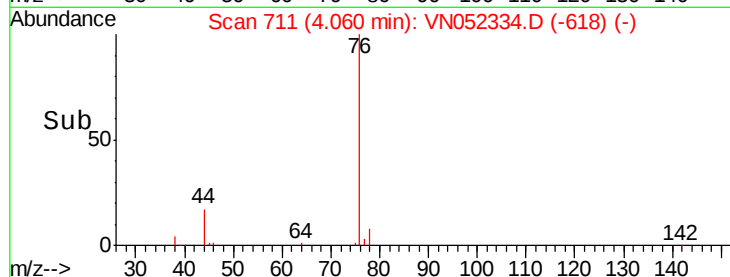
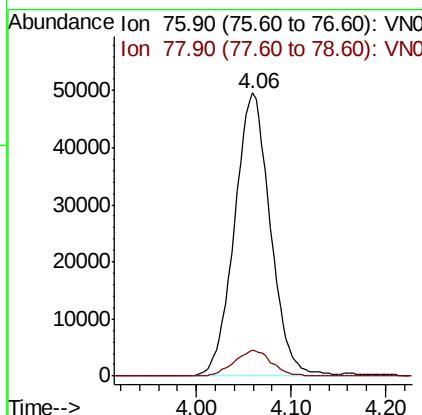
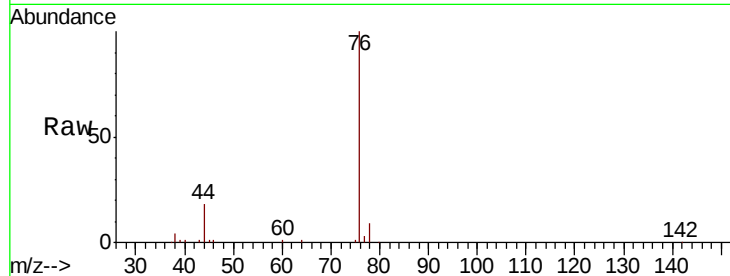




#17
Carbon Disulfide
Concen: 18.182 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

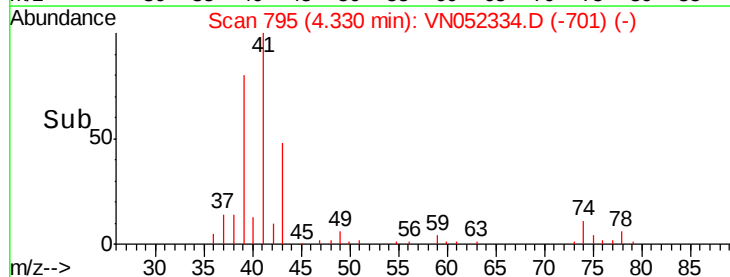
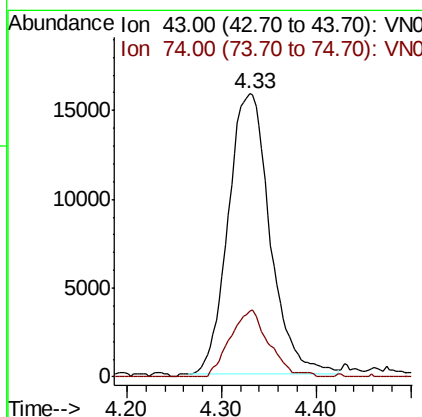
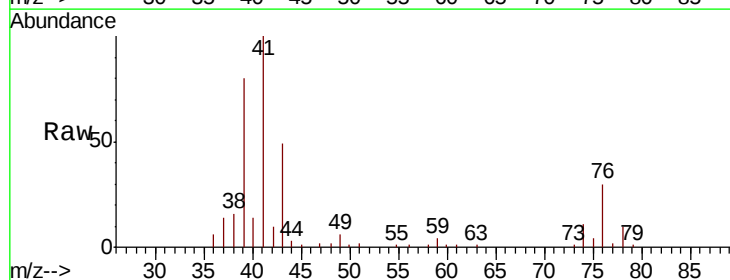
Instrument :
MSVOA_N
ClientSampled :

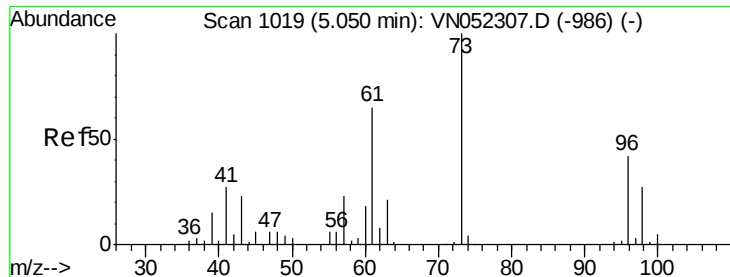
Tot Ion: 76 Resp: 130514
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5



#18
Methyl Acetate
Concen: 18.554 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion: 43 Resp: 48443
Ion Ratio Lower Upper
43 100
74 22.0 15.9 23.9

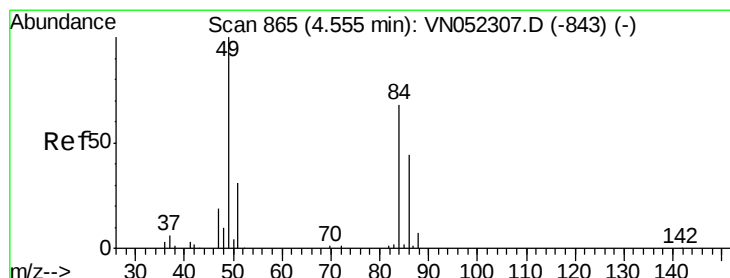
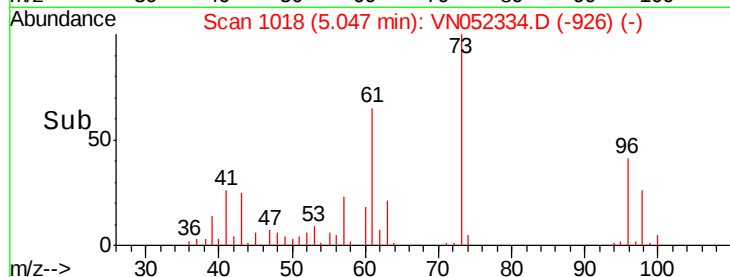
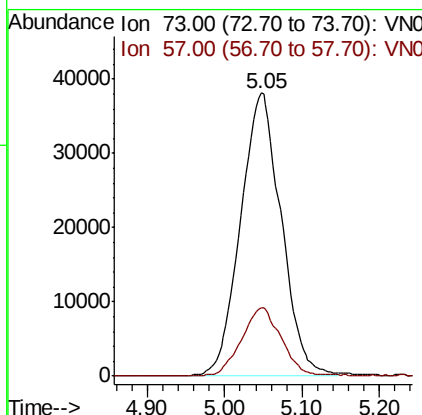
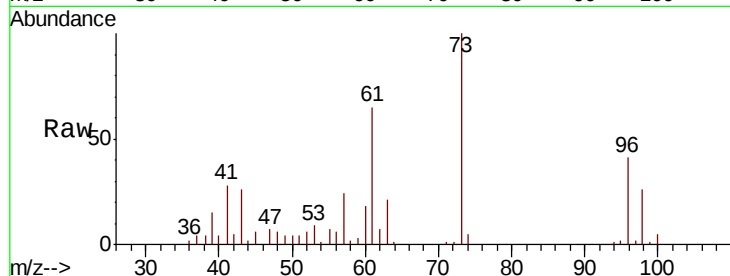




#19
Methvl tert-butvl Ether
Concen: 19.449 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

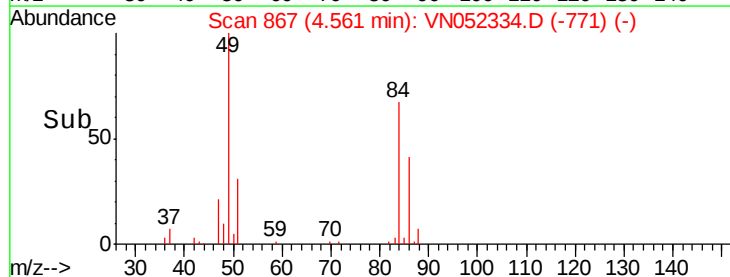
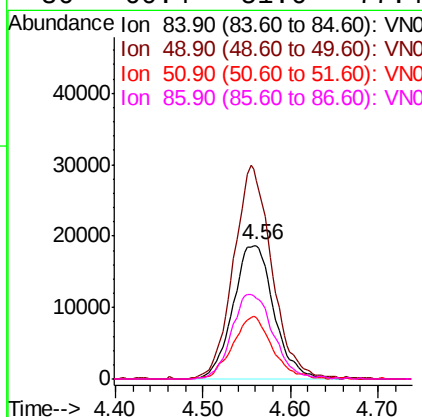
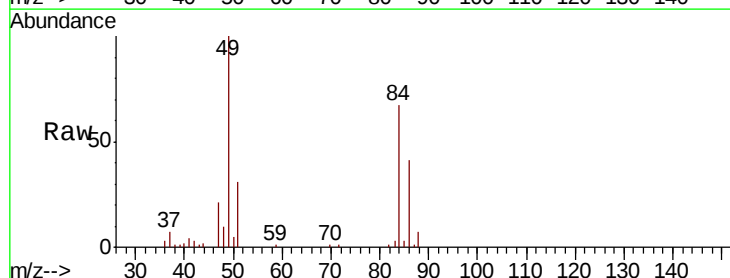
Instrument :
MSVOA_N
ClientSampled :

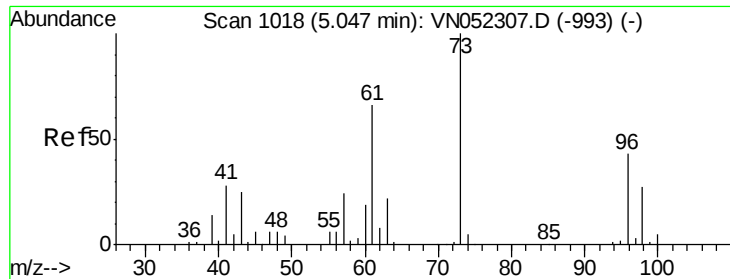
Tot Ion: 73 Resp: 139913
Ion Ratio Lower Upper
73 100
57 24.2 18.7 28.1



#20
Methylene Chloride
Concen: 20.576 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion: 84 Resp: 60384
Ion Ratio Lower Upper
84 100
49 148.7 118.2 177.2
51 46.4 36.1 54.1
86 60.4 51.6 77.4

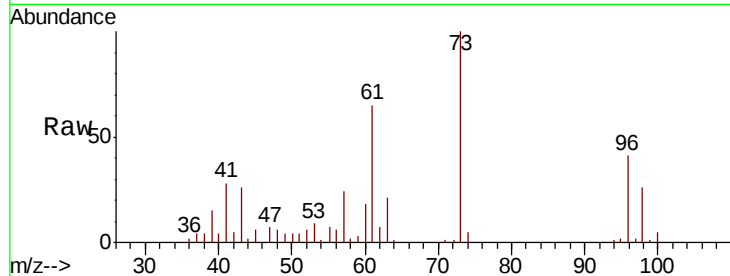




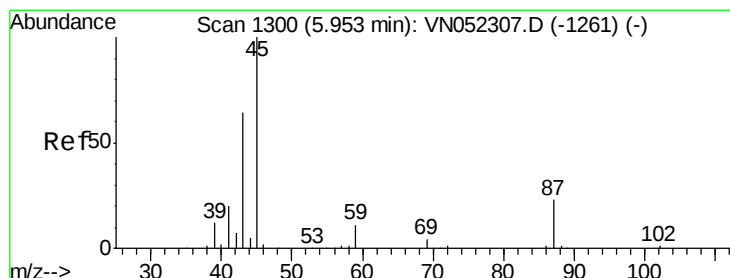
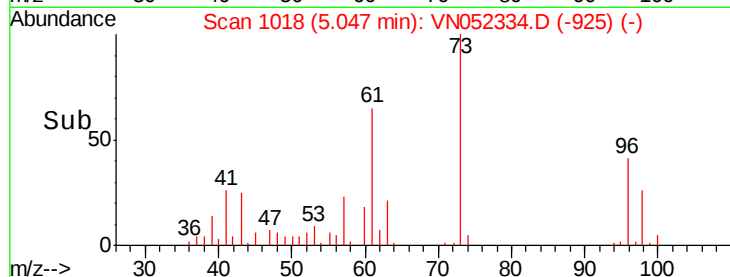
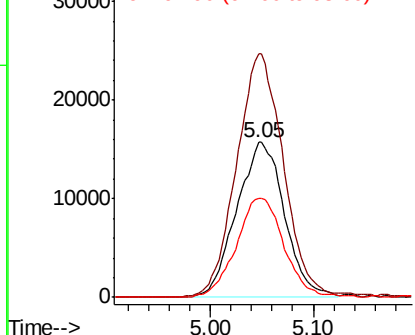
#21
trans-1,2-Dichloroethene
Concen: 18.831 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 50753
Ion Ratio Lower Upper
96 100
61 155.7 123.6 185.4
98 64.0 50.7 76.1

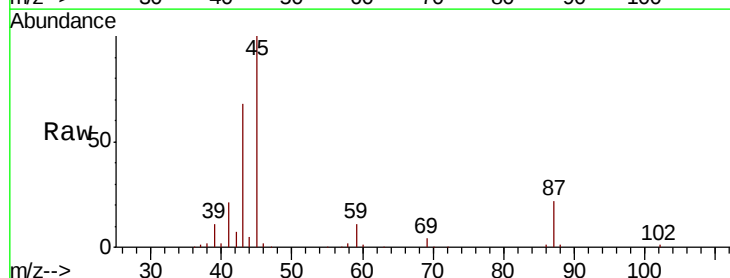


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

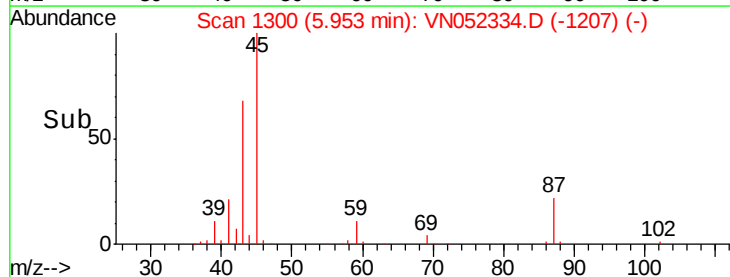
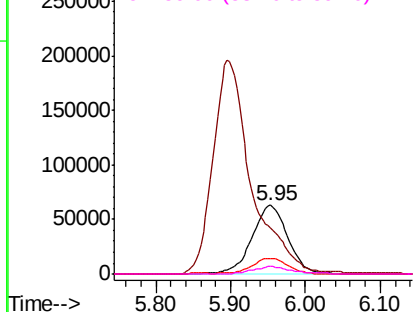


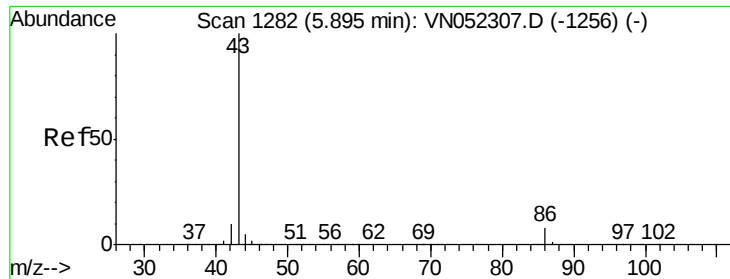
#22
Diisopropyl ether
Concen: 20.013 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion: 45 Resp: 209900
Ion Ratio Lower Upper
45 100
43 64.9 51.4 77.2
87 21.9 18.8 28.2
59 10.3 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: 98.489 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

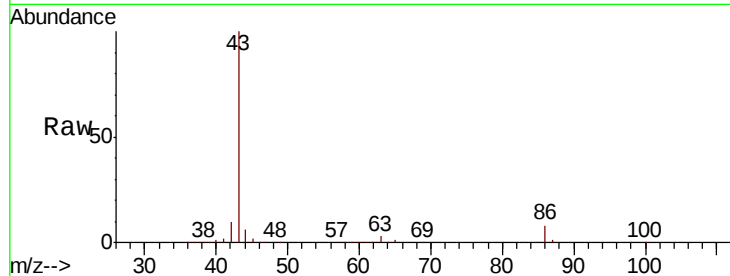
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 700717

Ion Ratio Lower Upper

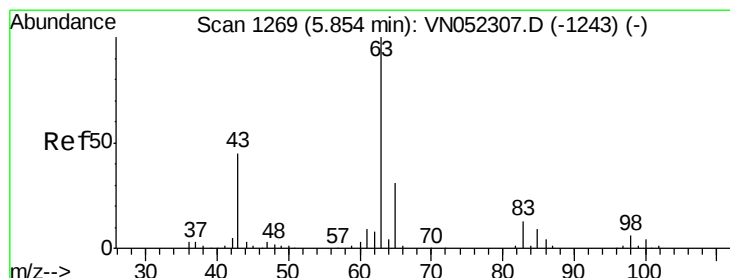
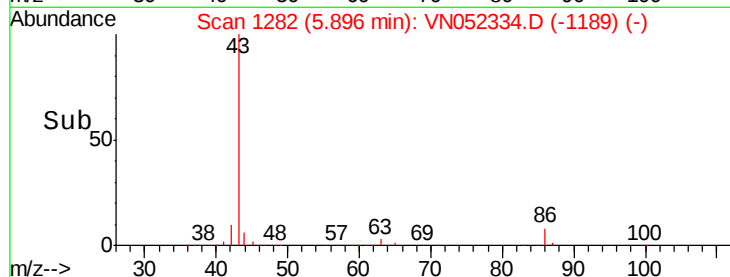
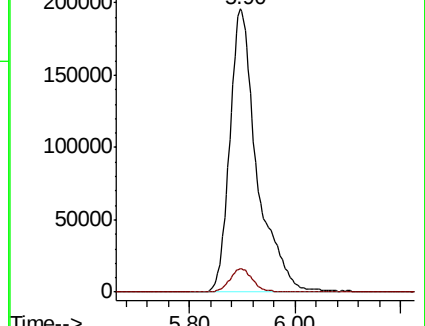
43 100

86 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.255 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

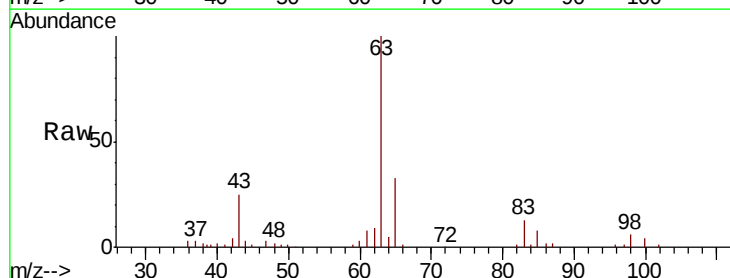
Tgt Ion: 63 Resp: 108289

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

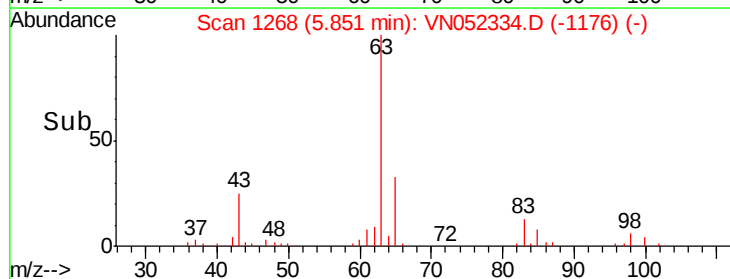
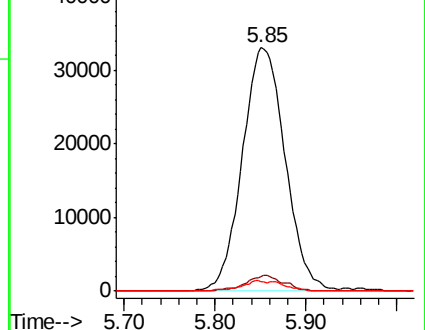
100 4.1 1.9 5.7

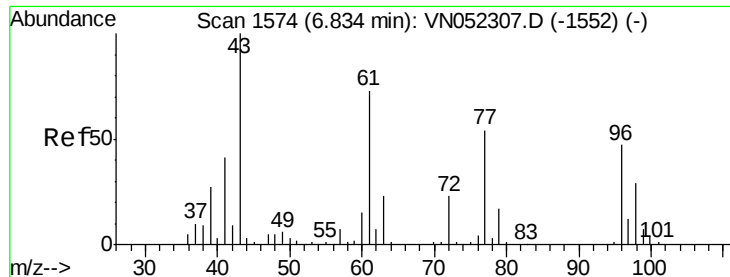


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

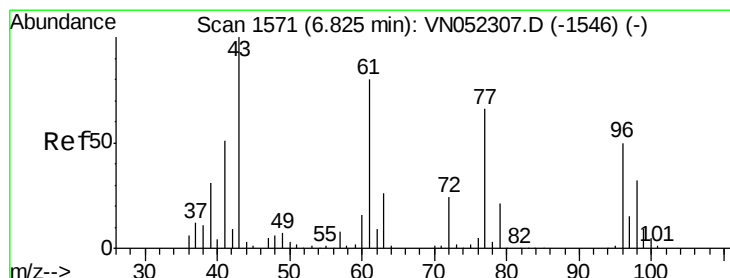
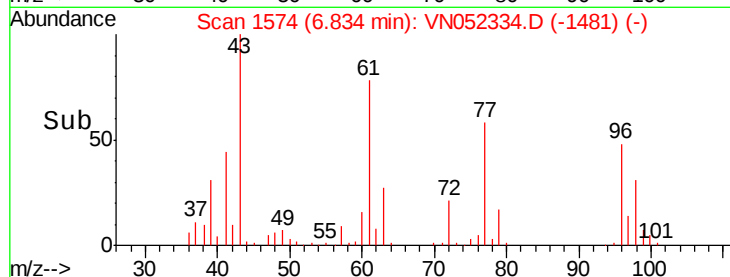
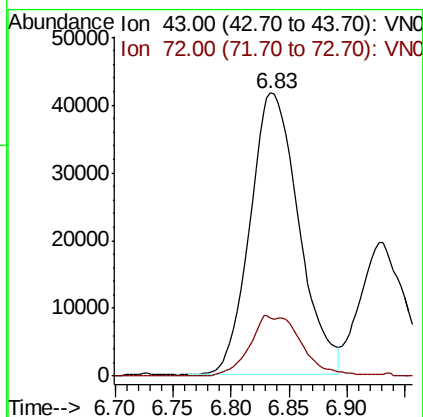
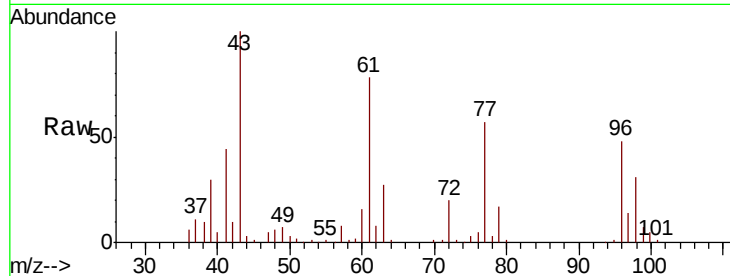




#25
2-Butanone
Concen: 91.900 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

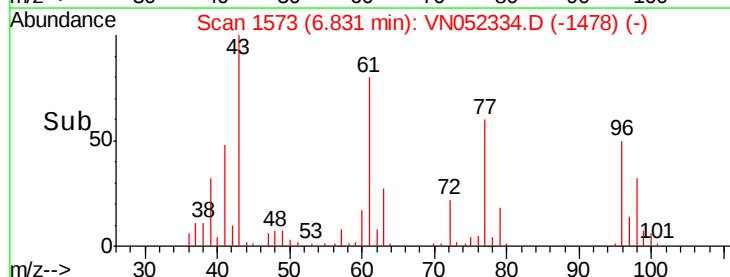
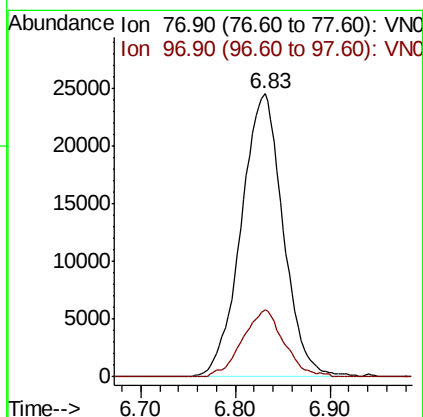
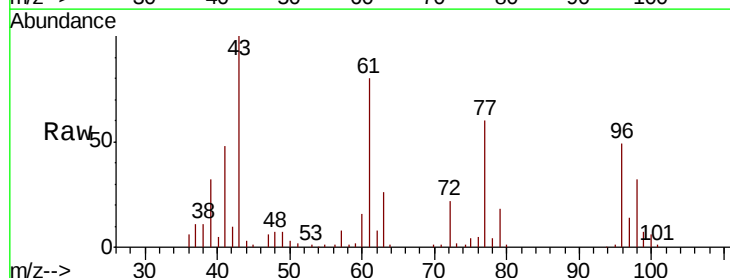
Instrument :
MSVOA_N
ClientSampled :

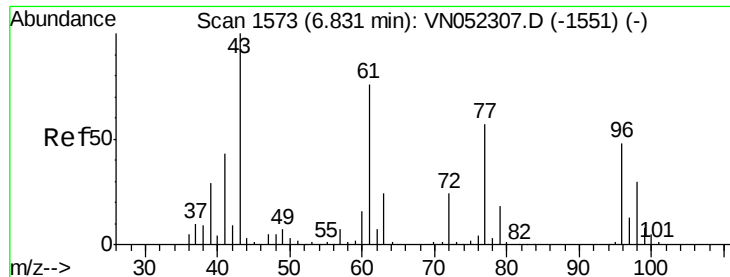
Tot Ion: 43 Resp: 122329
Ion Ratio Lower Upper
43 100
72 20.5 18.6 27.8



#26
2,2-Dichloropropane
Concen: 18.228 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion: 77 Resp: 75379
Ion Ratio Lower Upper
77 100
97 23.2 11.1 33.1



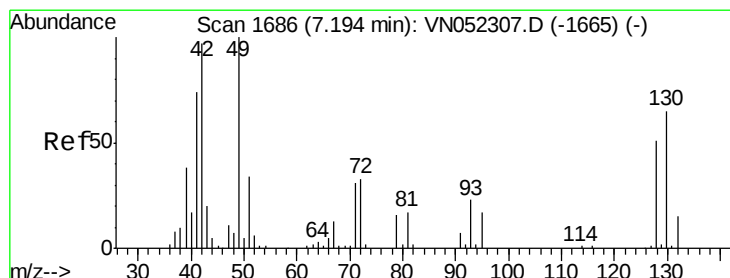
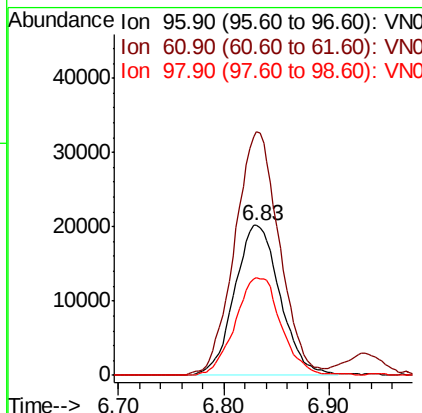
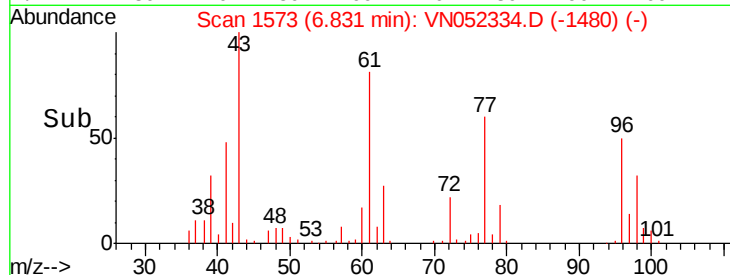
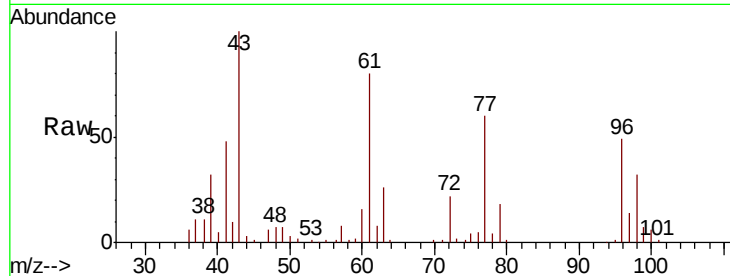


#27

cis-1,2-Dichloroethene
Concen: 19.288 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Instrument :
MSVOA_N
ClientSampled :

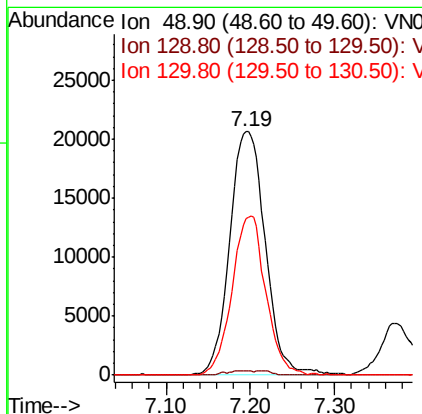
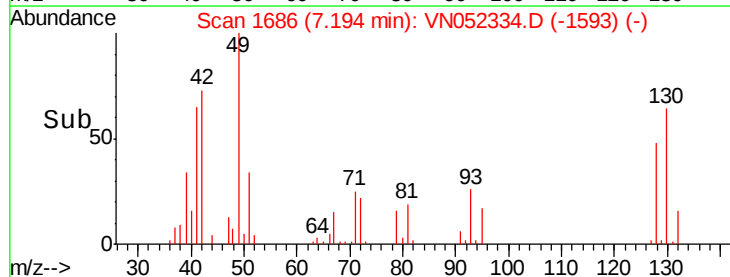
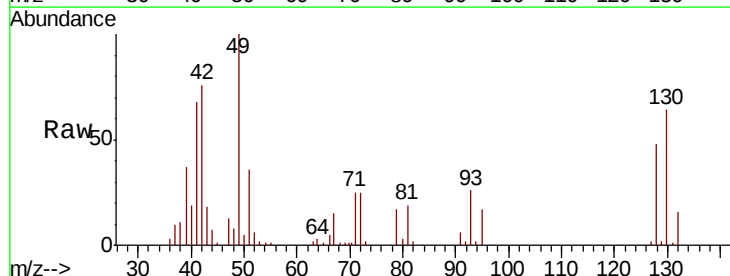
Tot Ion: 96 Resp: 60517
Ion Ratio Lower Upper
96 100
61 159.1 0.0 316.8
98 65.3 0.0 126.6

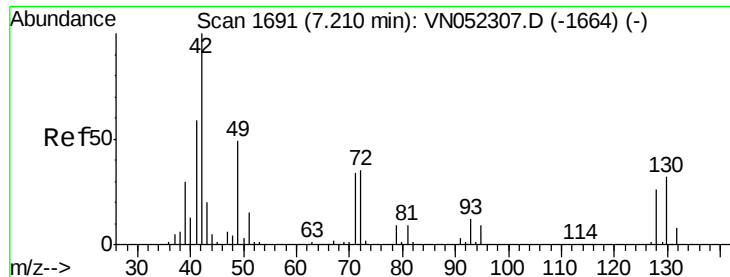


#28

Bromochloromethane
Concen: 20.962 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion: 49 Resp: 60614
Ion Ratio Lower Upper
49 100
129 1.3 0.0 3.0
130 61.7 50.4 75.6

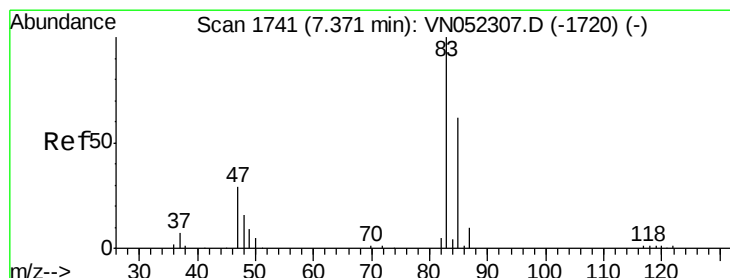
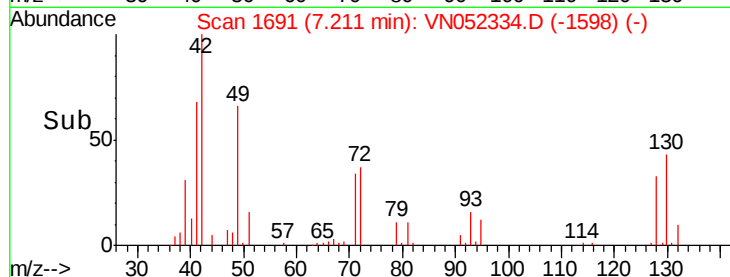
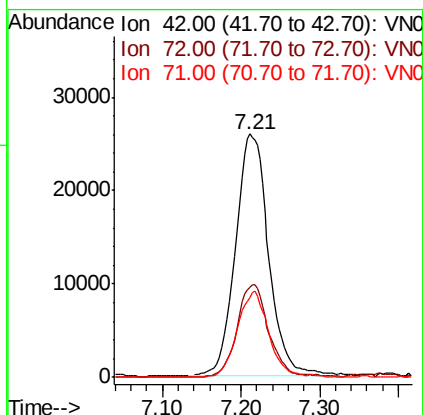
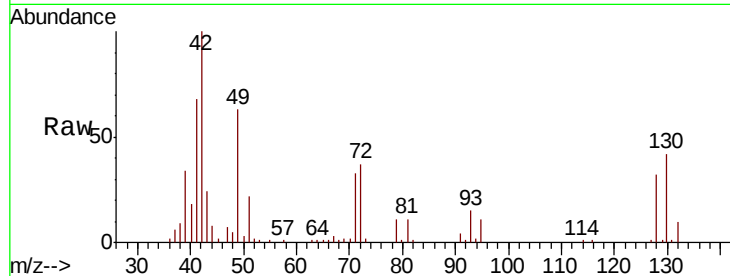




#29
Tetrahydrofuran
Concen: 86.959 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

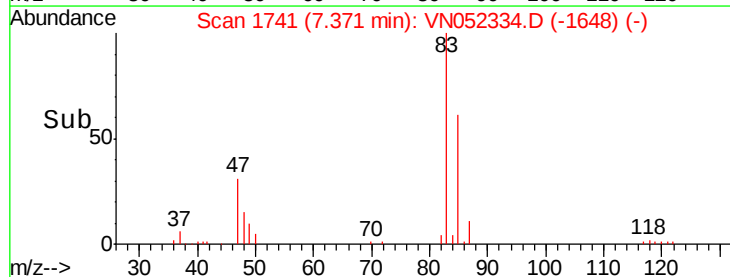
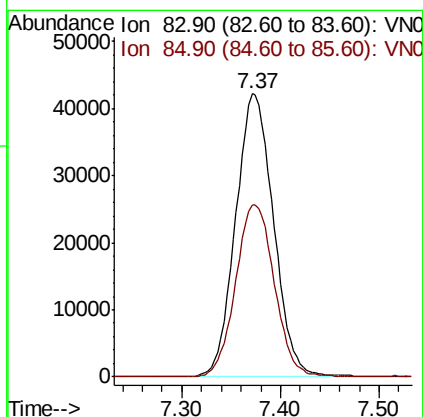
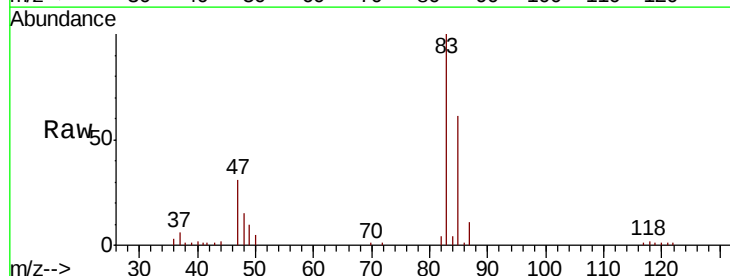
Instrument :
MSVOA_N
ClientSampleId :

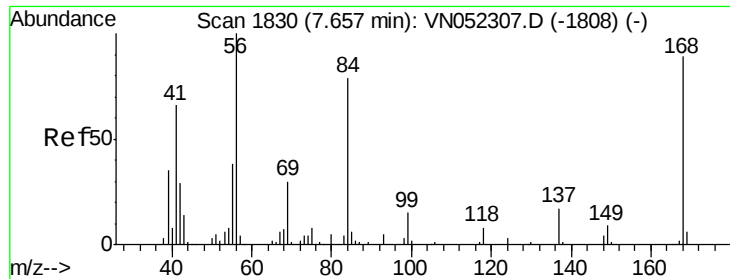
Tot Ion: 42 Resp: 76041
Ion Ratio Lower Upper
42 100
72 36.6 28.6 42.8
71 33.9 26.7 40.1



#30
Chloroform
Concen: 21.026 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion: 83 Resp: 112692
Ion Ratio Lower Upper
83 100
85 60.6 49.4 74.2

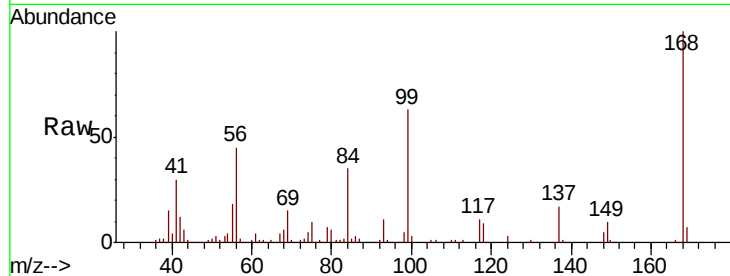




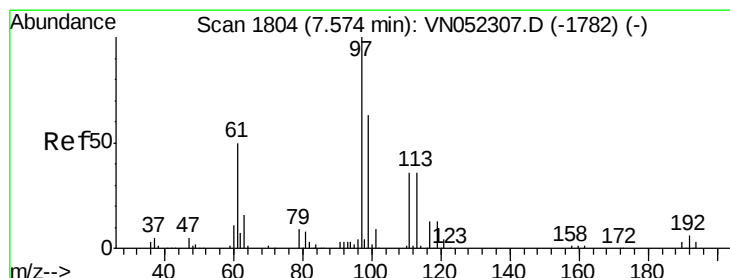
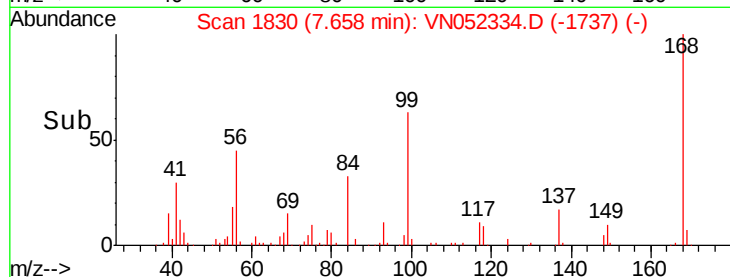
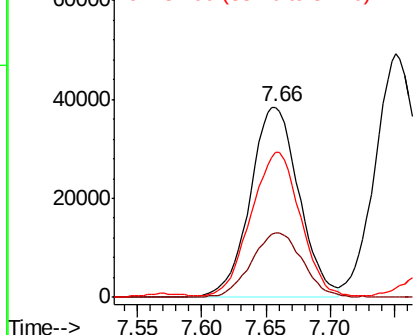
#31
Cyclohexane
Concen: 18.675 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	56	Resp	100983
Ion Ratio	56	100	
Lower	69	33.8	23.8
Upper	84	75.3	63.0

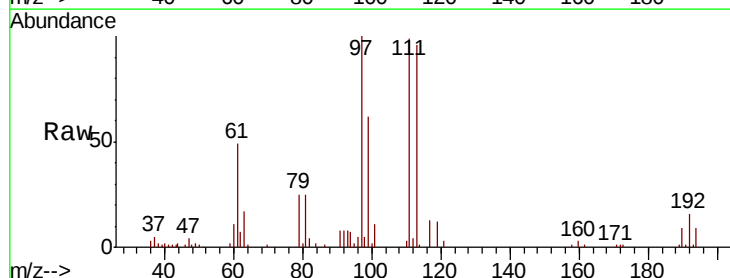


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

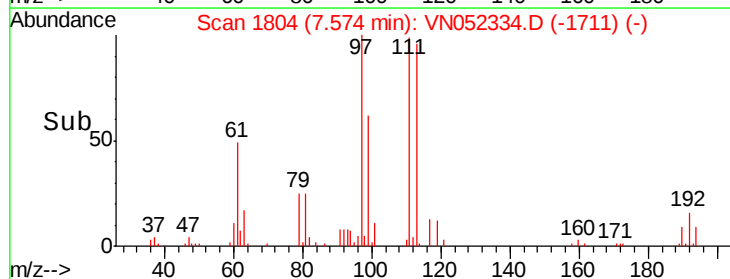
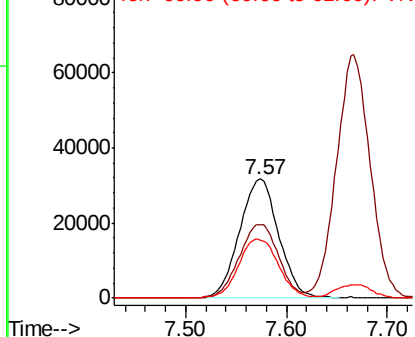


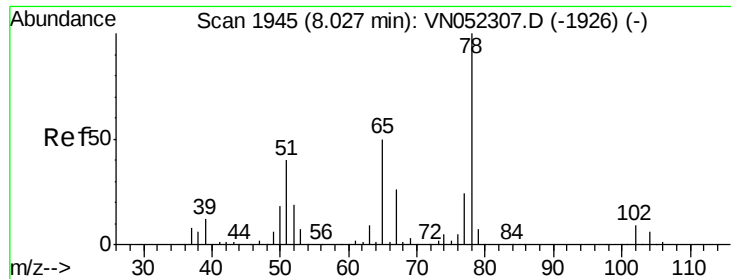
#32
1,1,1-Trichloroethane
Concen: 18.737 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion	97	Resp	85545
Ion Ratio	97	100	
Lower	99	62.5	50.2
Upper	61	50.8	40.2



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

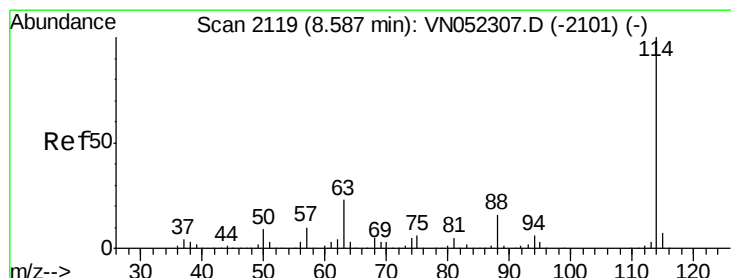
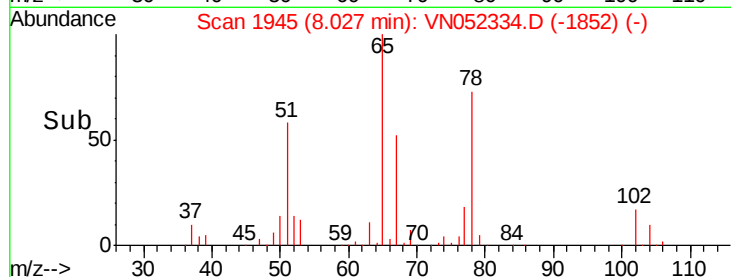
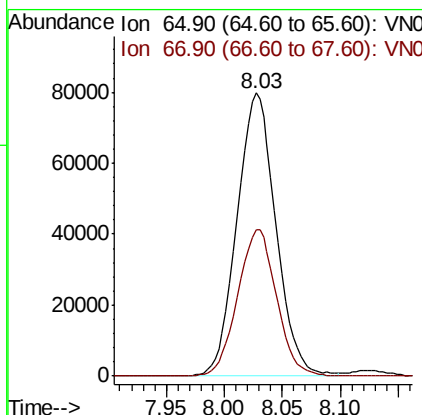
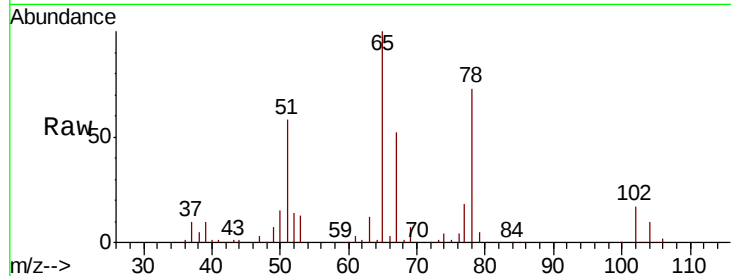




#33
 1,2-Dichloroethane-d4
 Concen: 18.737 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

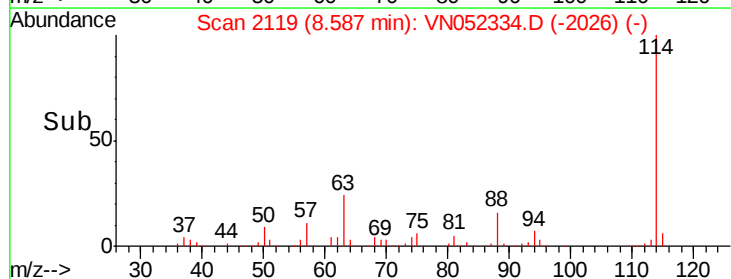
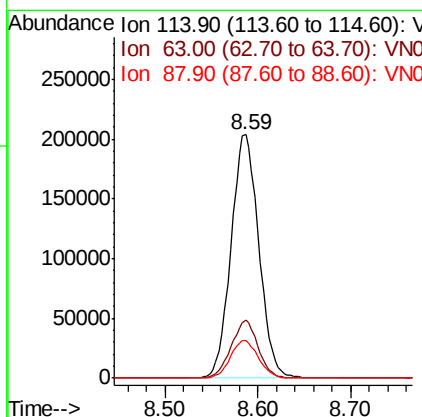
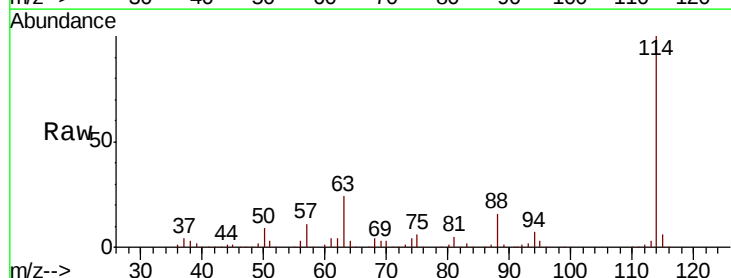
Instrument :
 MSVOA_N
 ClientSampled :

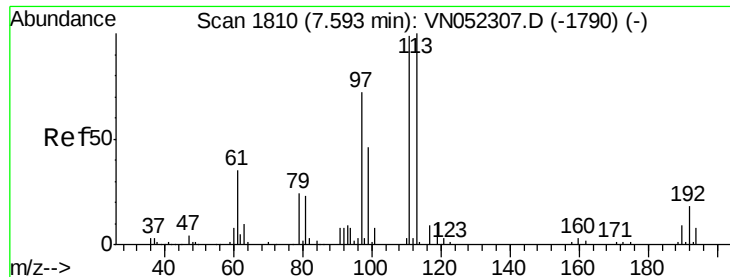
Tot Ion: 65 Resp: 185969
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Tgt Ion: 114 Resp: 422666
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 45.4
 88 15.5 0.0 31.2

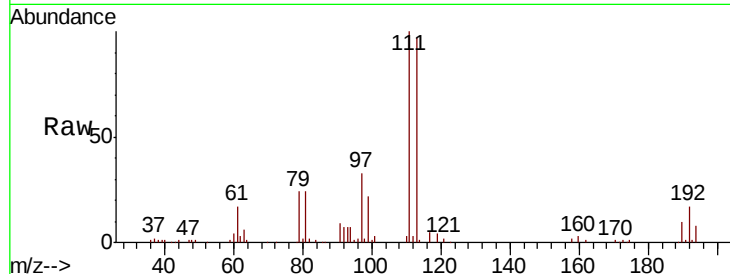




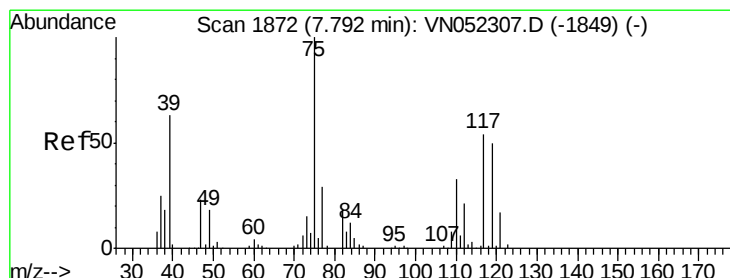
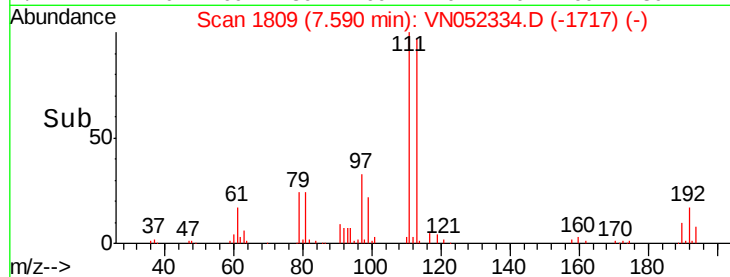
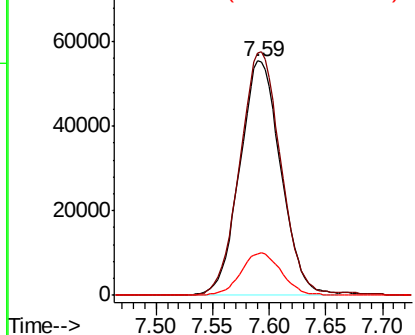
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 140061
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.0 121.6
 192 17.9 13.8 20.6

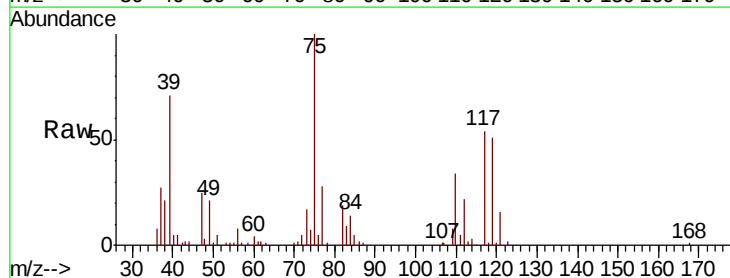


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

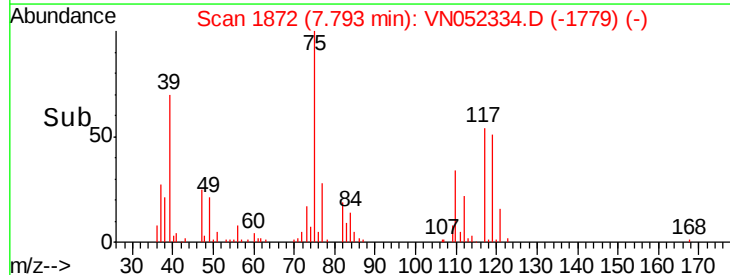
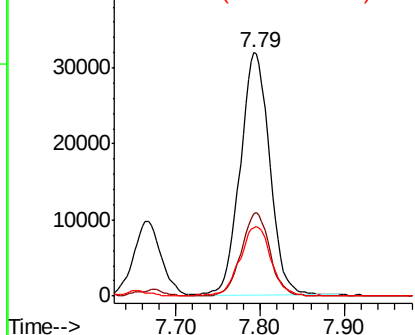


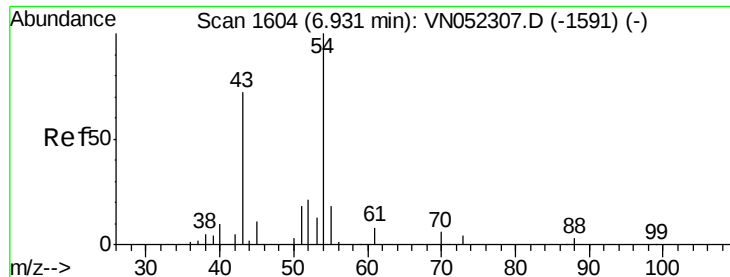
#36
 1,1-Dichloropropene
 Concen: 18.384 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Tgt Ion: 75 Resp: 77883
 Ion Ratio Lower Upper
 75 100
 110 33.1 16.5 49.5
 77 30.0 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

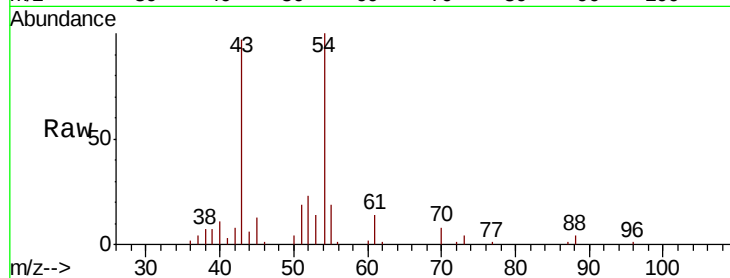




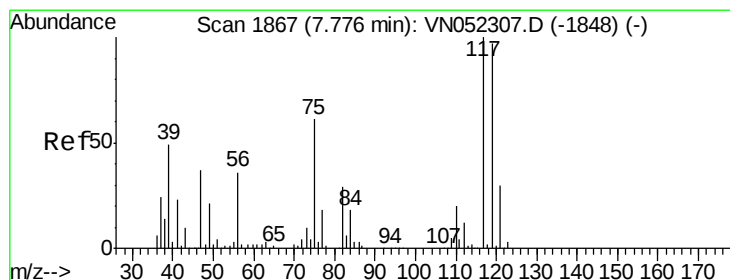
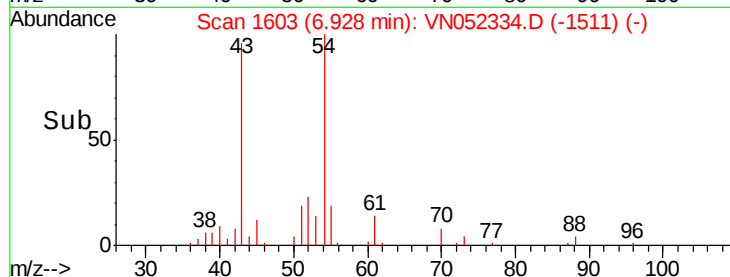
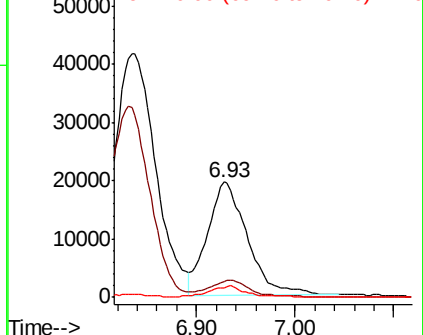
#37
Ethyl Acetate
Concen: 17.923 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 55105
Ion Ratio Lower Upper
43 100
61 13.0 10.3 15.5
70 9.0 5.6 8.4#

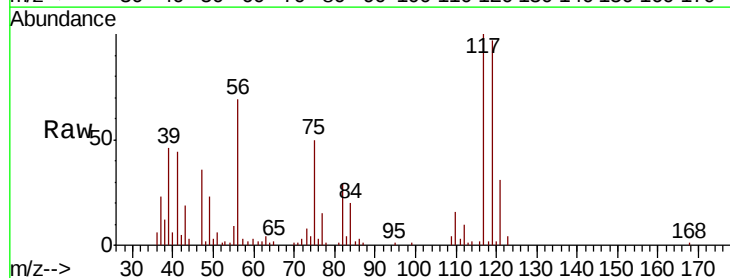


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

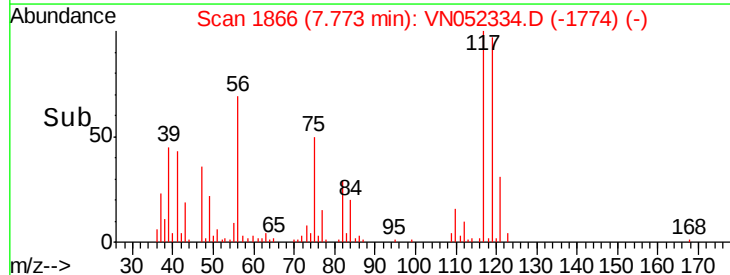
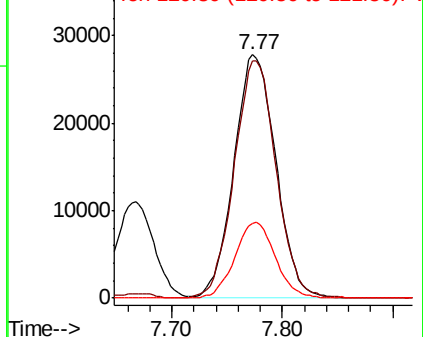


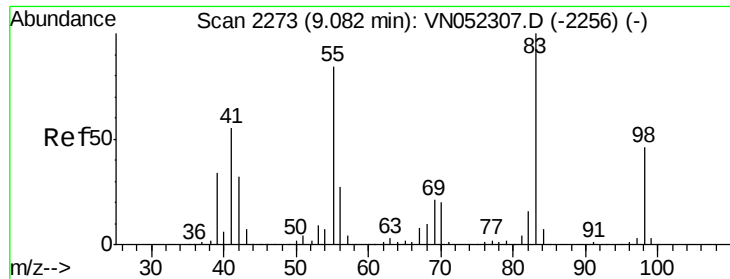
#38
Carbon Tetrachloride
Concen: 18.866 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion: 117 Resp: 73428
Ion Ratio Lower Upper
117 100
119 97.2 77.4 116.0
121 30.8 24.0 36.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

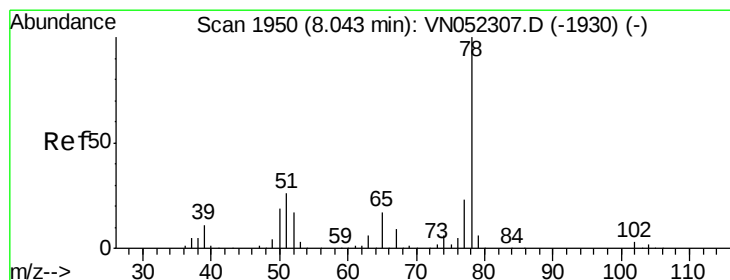
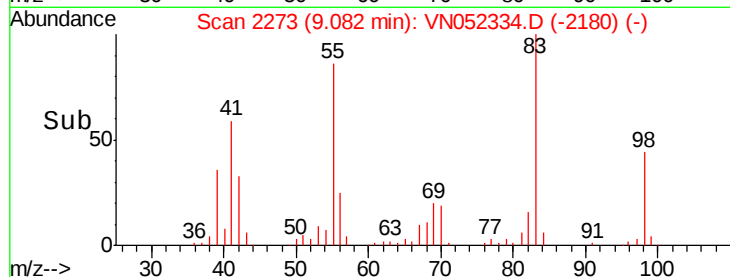
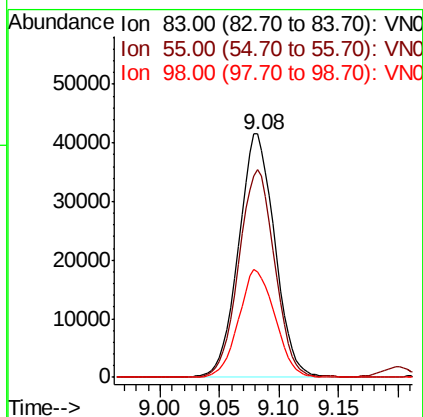
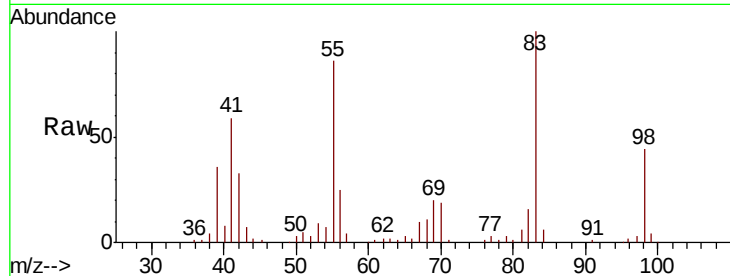




#39
Methvlcvclohexane
Concen: 18.099 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

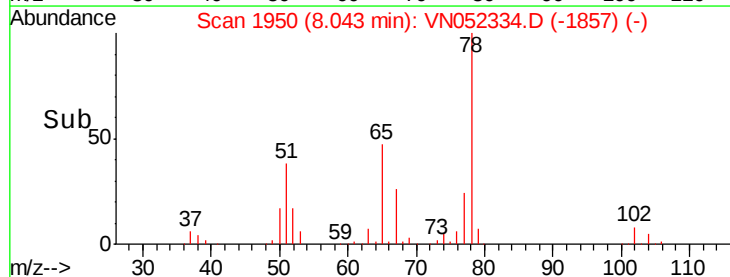
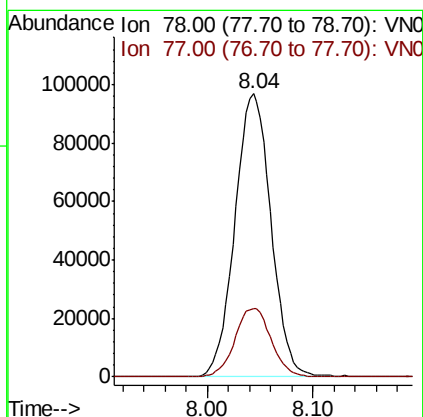
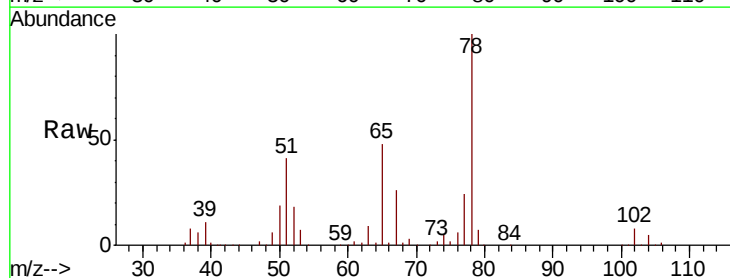
Instrument :
MSVOA_N
ClientSampled :

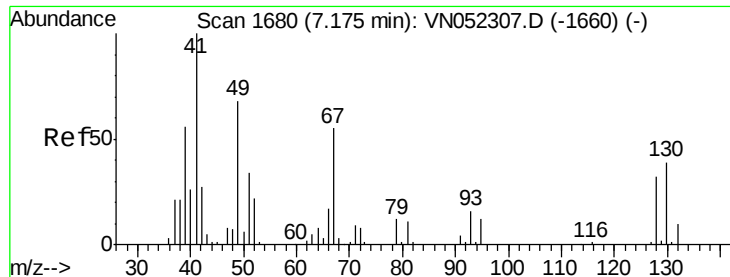
Tot Ion: 83 Resp: 87531
Ion Ratio Lower Upper
83 100
55 85.6 66.8 100.2
98 43.5 36.4 54.6



#40
Benzene
Concen: 19.030 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion: 78 Resp: 230307
Ion Ratio Lower Upper
78 100
77 24.3 18.7 28.1





#41

Methacrylonitrile

Concen: 18.911 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 28056

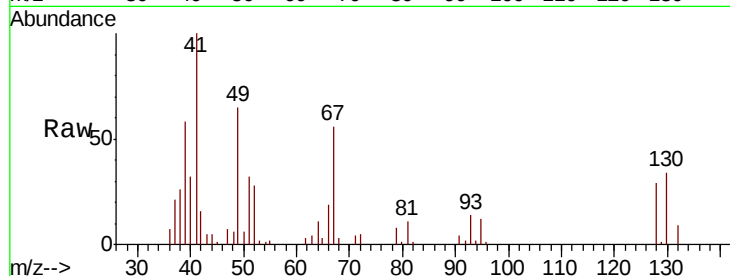
Ion Ratio Lower Upper

41 100

39 64.1 0.0 0.0#

67 76.0 0.0 0.0#

52 36.8 0.0 0.0#

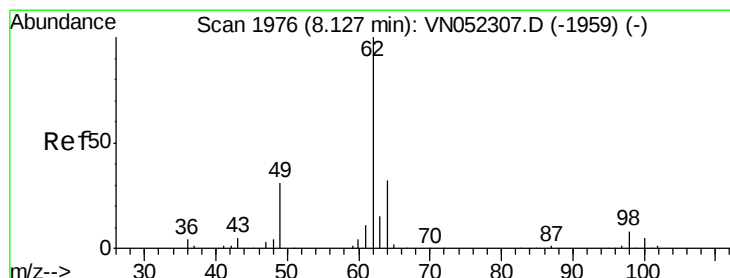
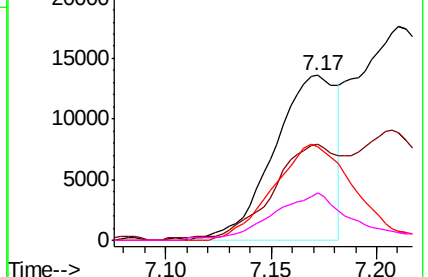
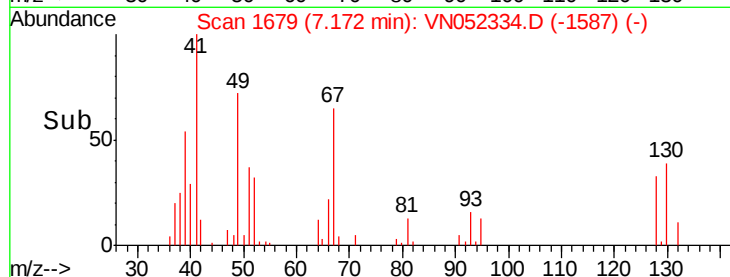


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.380 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN052334.D

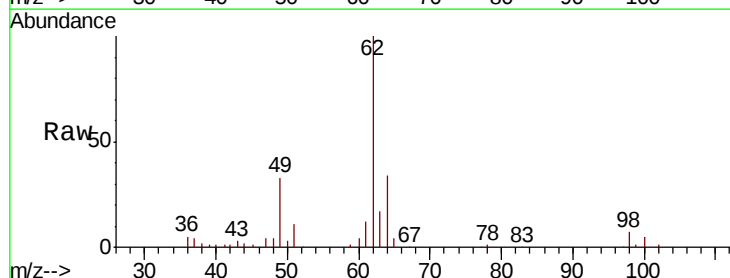
Acq: 15 Nov 2018 11:16

Tgt Ion: 62 Resp: 83636

Ion Ratio Lower Upper

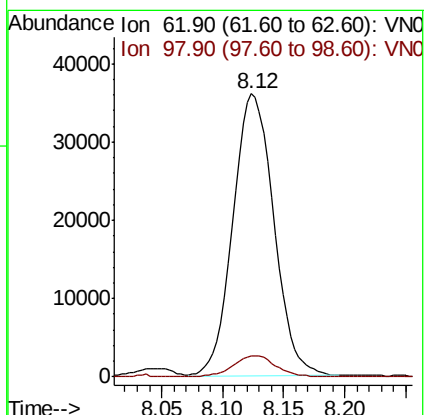
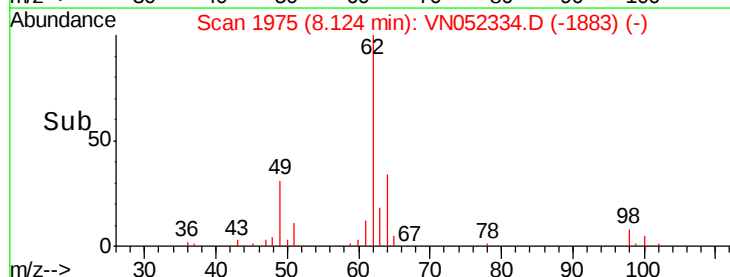
62 100

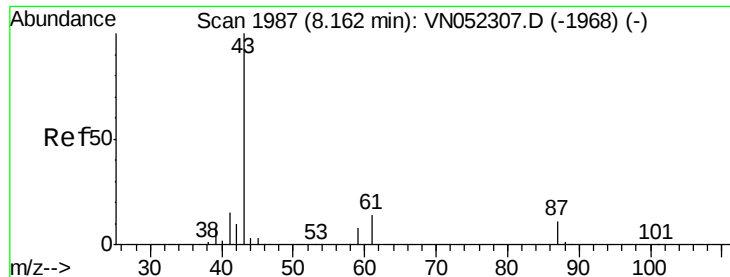
98 7.8 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 17.010 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

ClientSampled :

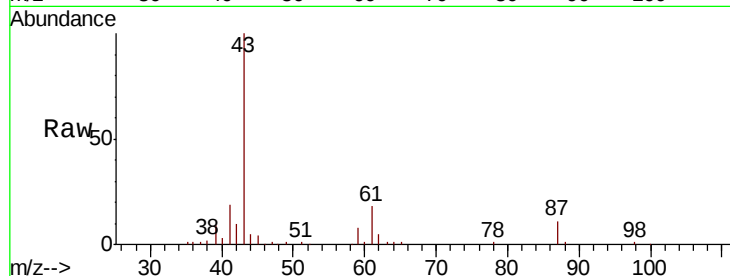
Tot Ion: 43 Resp: 100918

Ion Ratio Lower Upper

43 100

61 14.8 12.0 18.0

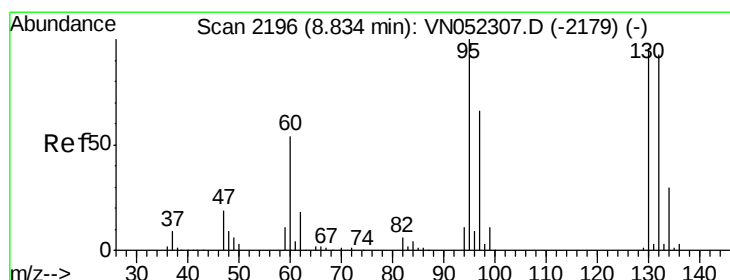
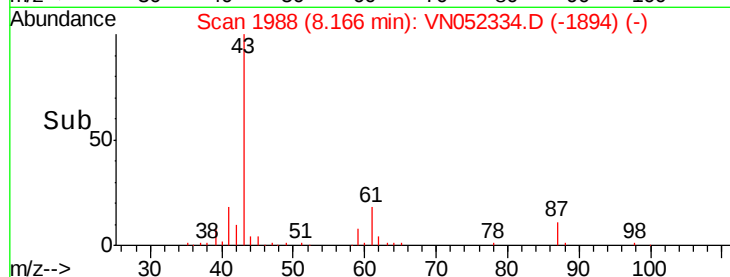
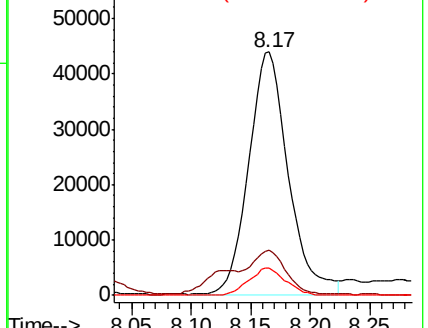
87 10.3 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN052334.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN052334.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN052334.D (-2103) (-)



#44

Trichloroethene

Concen: 18.791 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN052334.D

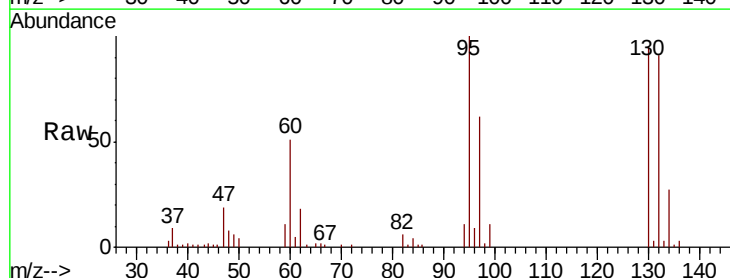
Acq: 15 Nov 2018 11:16

Tgt Ion:130 Resp: 56018

Ion Ratio Lower Upper

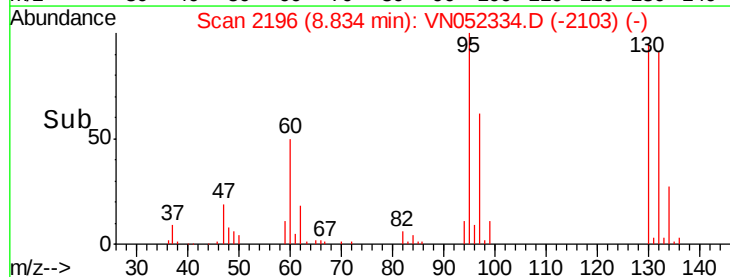
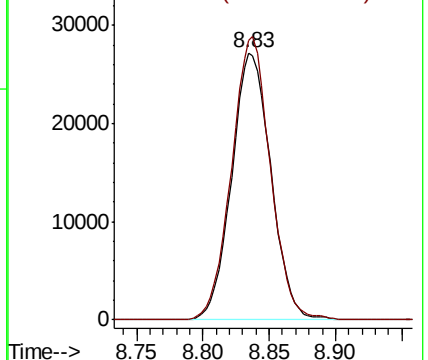
130 100

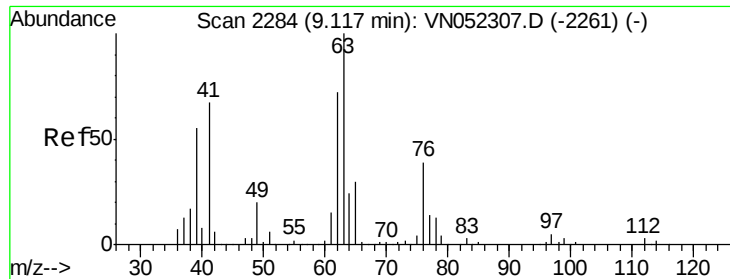
95 104.9 0.0 208.4



Abundance Ion 129.80 (129.50 to 130.50): VN052334.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN052334.D (-2103) (-)

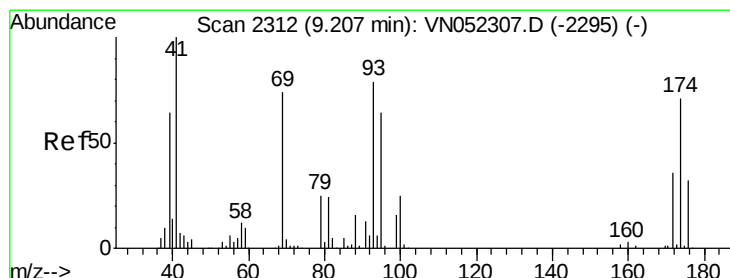
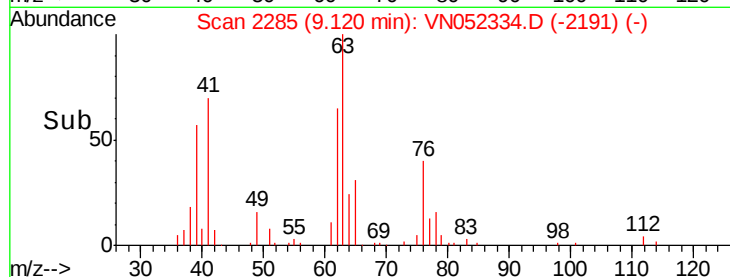
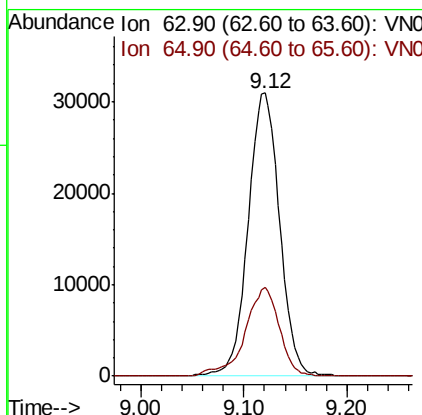
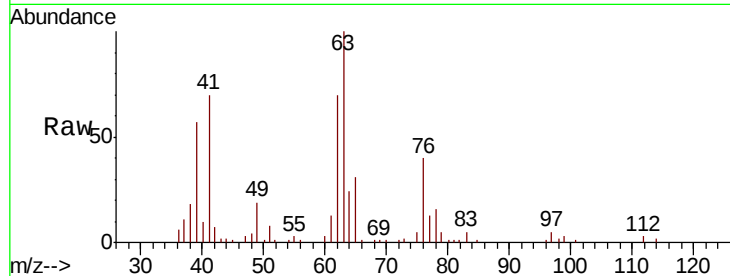




#45
 1,2-Dichloropropane
 Concen: 19.085 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

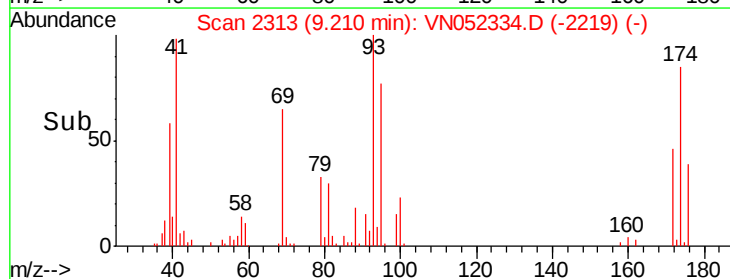
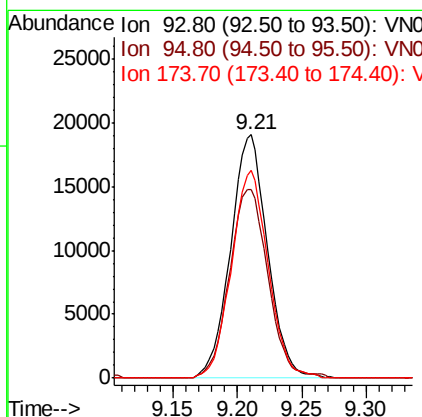
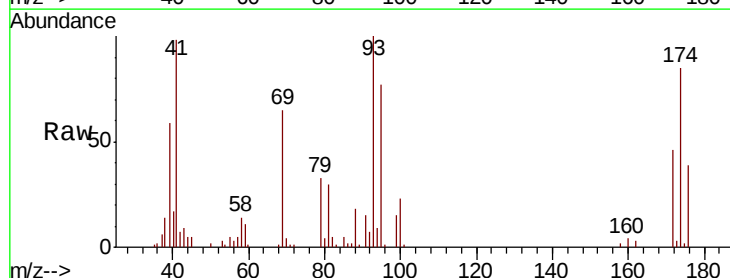
Instrument :
 MSVOA_N
 ClientSampleId :

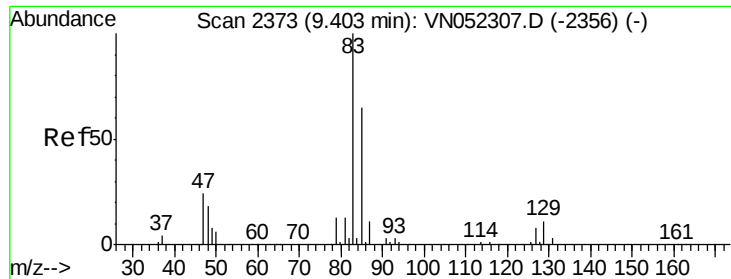
Tot Ion: 63 Resp: 65551
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.2 36.4



#46
 Dibromomethane
 Concen: 19.109 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Tgt Ion: 93 Resp: 37994
 Ion Ratio Lower Upper
 93 100
 95 81.0 64.2 96.2
 174 85.0 70.9 106.3





#47

Bromodichloromethane

Concen: 19.760 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

ClientSampled :

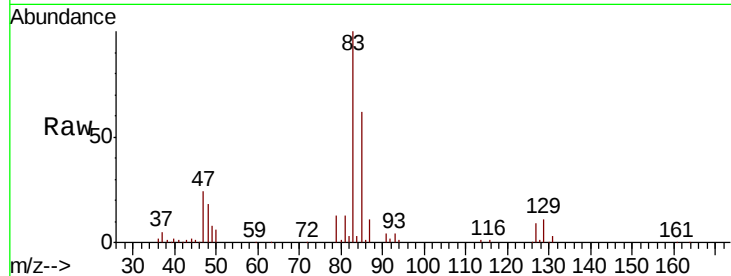
Tot Ion: 83 Resp: 80623

Ion Ratio Lower Upper

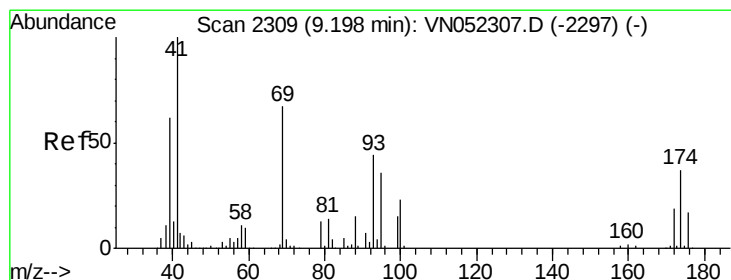
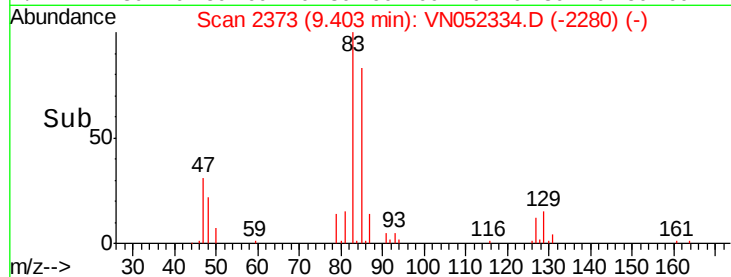
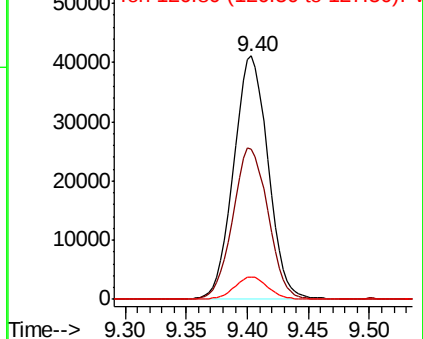
83 100

85 61.5 52.2 78.4

127 9.3 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 16.978 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

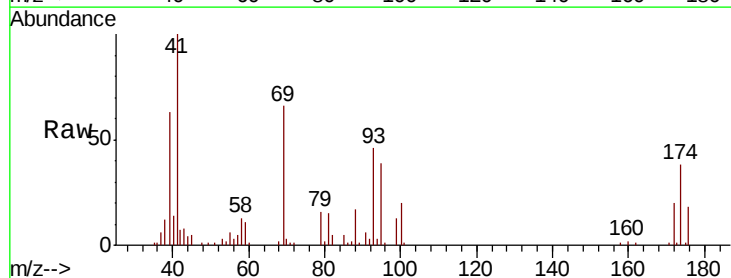
Tgt Ion: 41 Resp: 51111

Ion Ratio Lower Upper

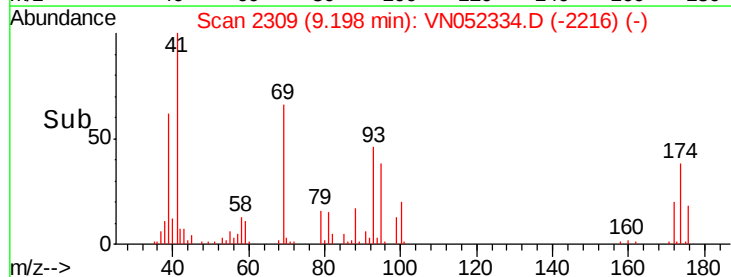
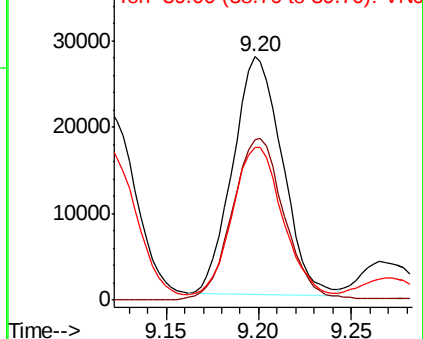
41 100

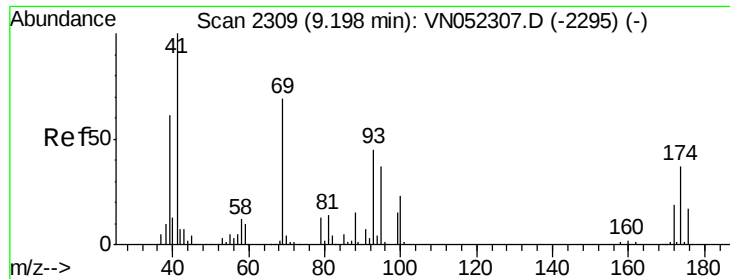
69 71.7 57.1 85.7

39 65.9 52.5 78.7



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

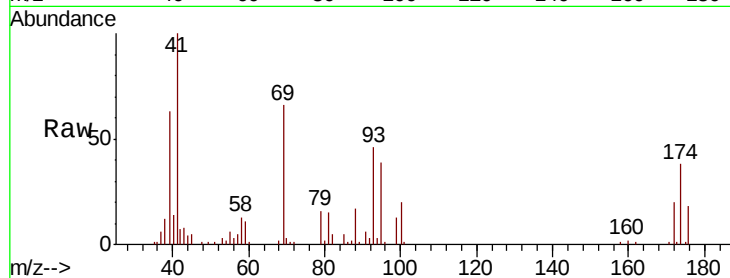




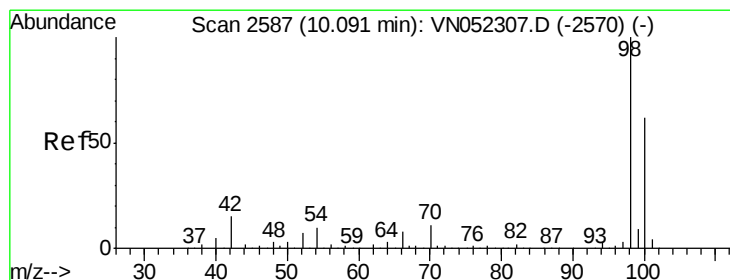
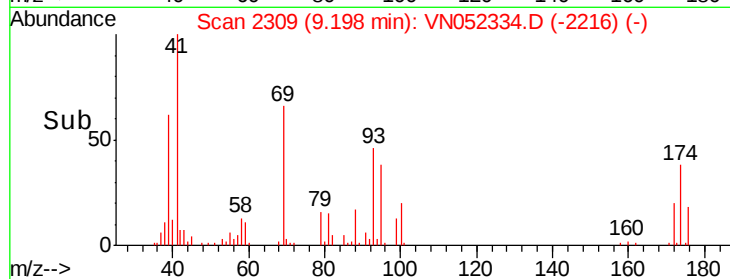
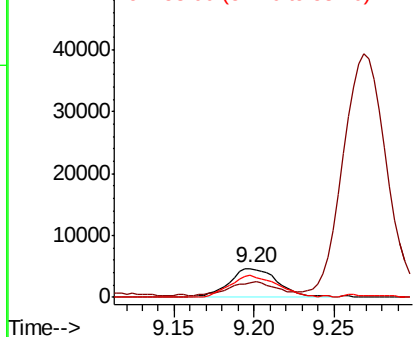
#49
 1,4-Dioxane
 Concen: 418.833 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 9679
 Ion Ratio Lower Upper
 88 100
 43 44.0 33.3 49.9
 58 76.4 59.2 88.8

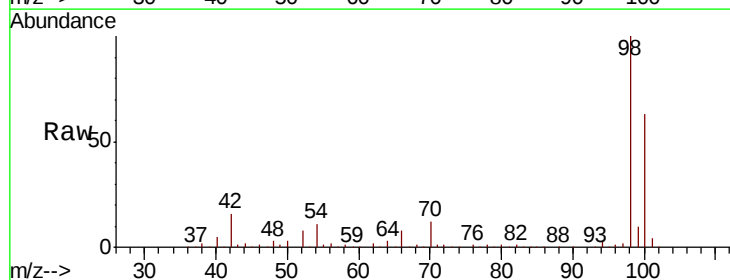


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

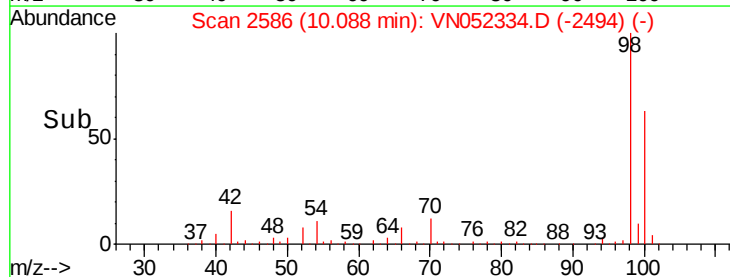
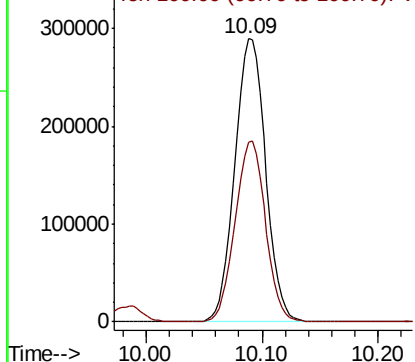


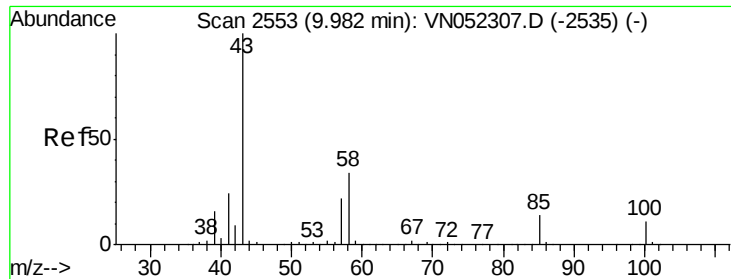
#50
 Toluene-d8
 Concen: 418.833 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Tgt Ion: 98 Resp: 531986
 Ion Ratio Lower Upper
 98 100
 100 63.1 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: 88.445 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

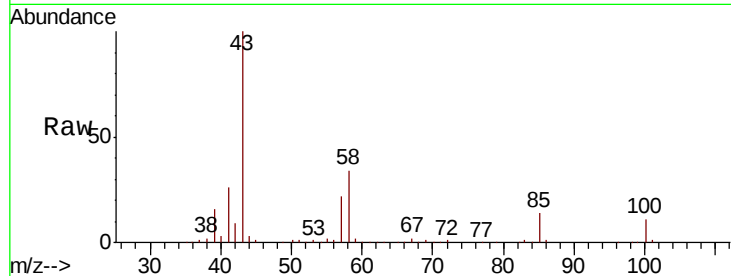
ClientSampleId :

Tot Ion: 43 Resp: 264132

Ion Ratio Lower Upper

43 100

58 34.6 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

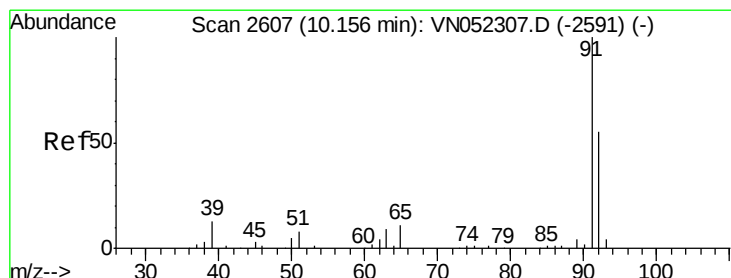
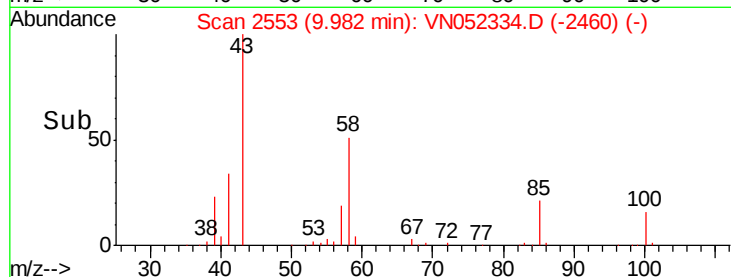
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.332 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052334.D

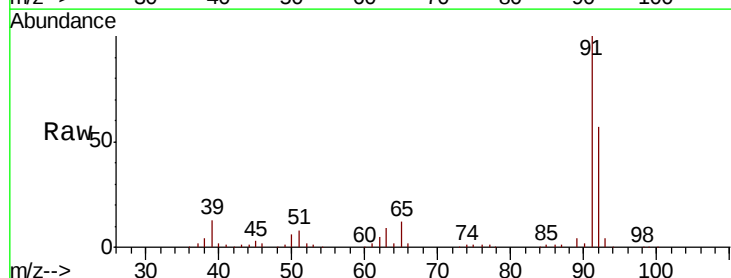
Acq: 15 Nov 2018 11:16

Tgt Ion: 92 Resp: 139960

Ion Ratio Lower Upper

92 100

91 176.4 143.6 215.4



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

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

10.15

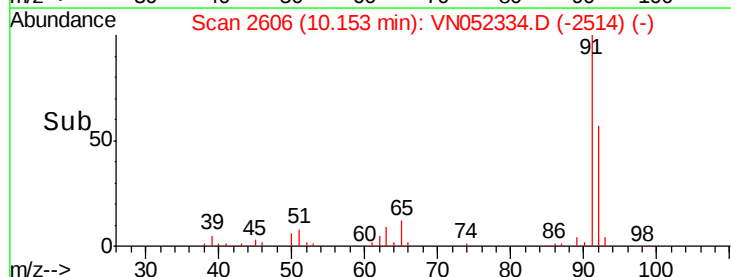
150000

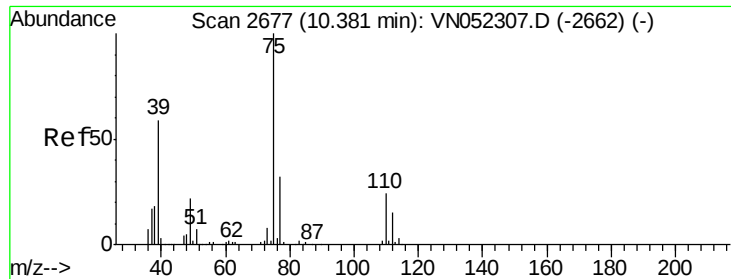
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.340 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

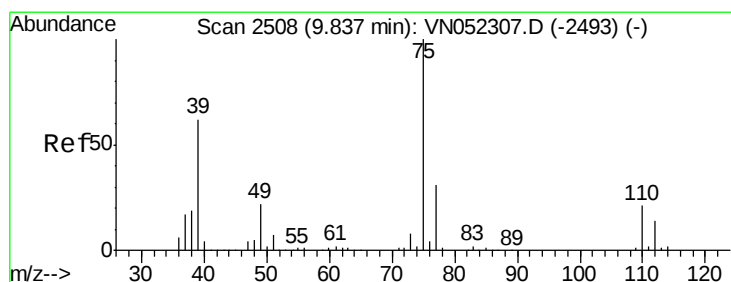
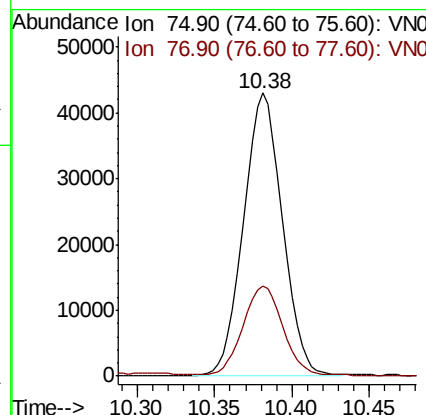
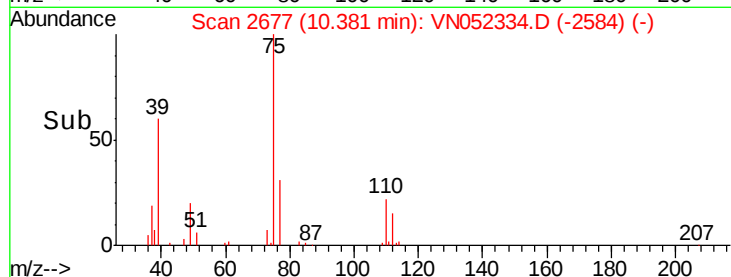
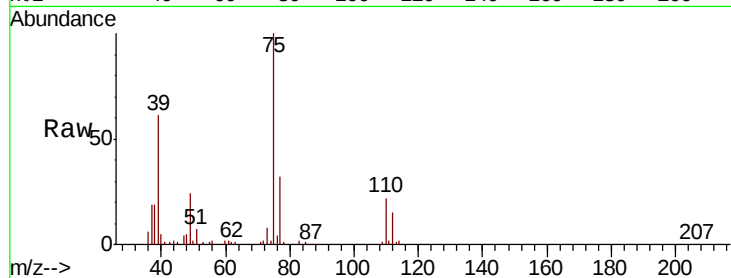
ClientSampleId :

Tot Ion: 75 Resp: 75470

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.575 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

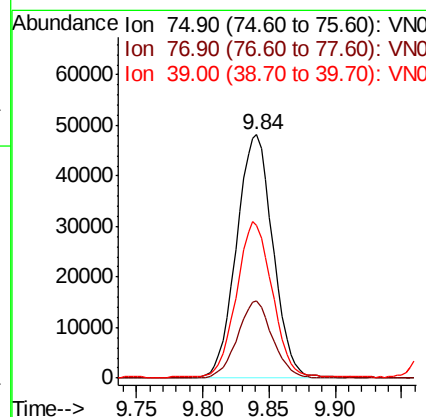
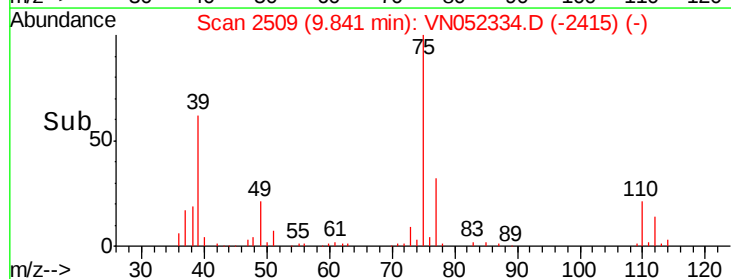
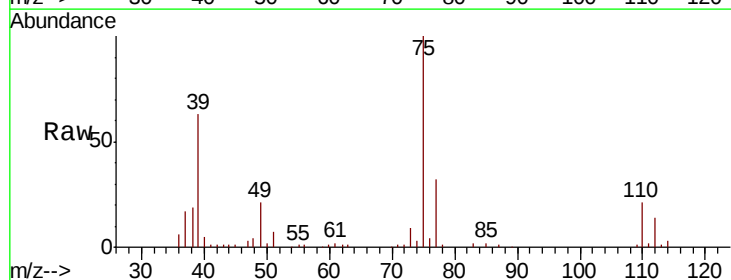
Tgt Ion: 75 Resp: 91828

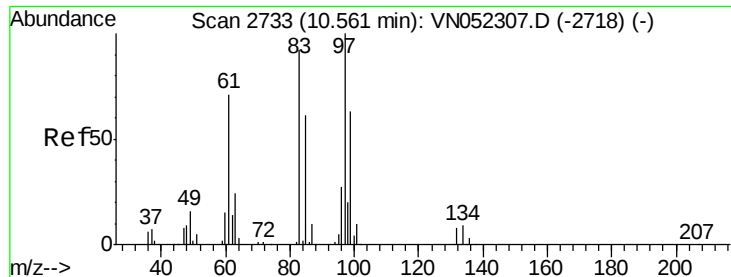
Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

39 62.4 49.9 74.9





#55

1,1,2-Trichloroethane

Concen: 18.512 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 48586

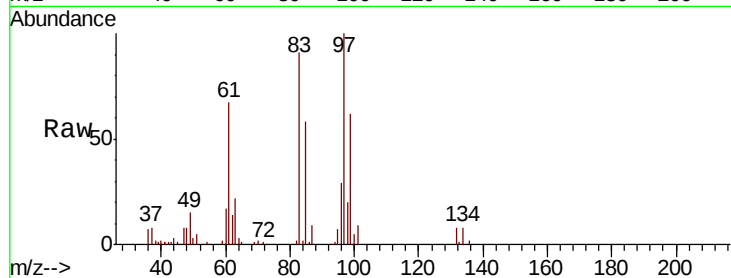
Ion	Ratio	Lower	Upper
97	100		
83	91.2	73.8	110.6
85	57.5	49.0	73.4
99	62.3	50.5	75.7

97 100

83 91.2 73.8 110.6

85 57.5 49.0 73.4

99 62.3 50.5 75.7



Abundance

Ion 96.90 (96.60 to 97.60): VN0

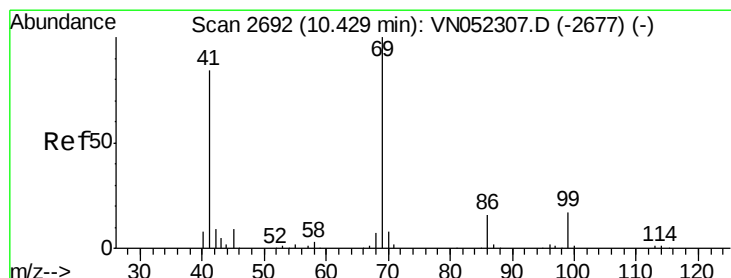
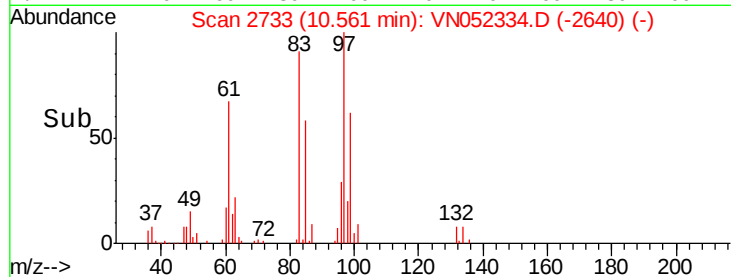
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.56

Time-->



#56

Ethyl methacrylate

Concen: 18.479 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

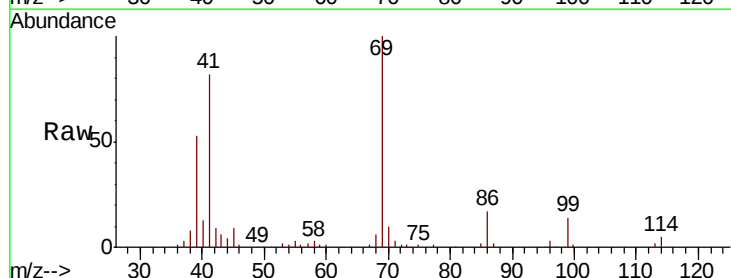
Tgt Ion: 69 Resp: 63781

Ion	Ratio	Lower	Upper
69	100		
41	80.4	64.8	97.2
39	50.9	41.0	61.6

69 100

41 80.4 64.8 97.2

39 50.9 41.0 61.6



Abundance

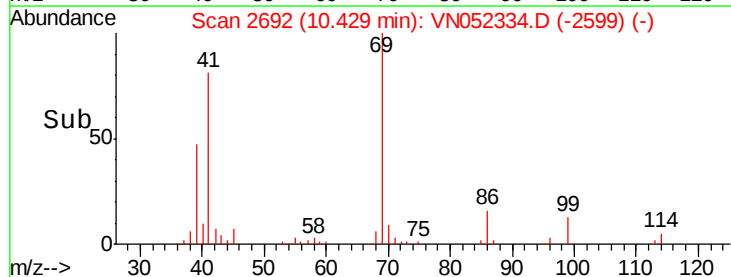
Ion 69.00 (68.70 to 69.70): VN0

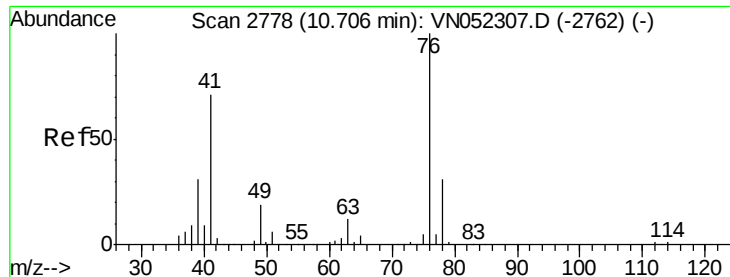
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.43

Time-->





#57

1,3-Dichloropropane

Concen: 18.856 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

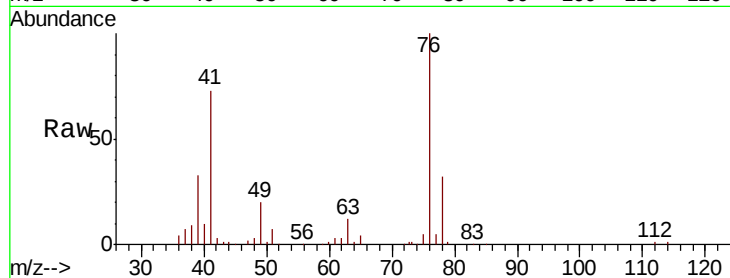
ClientSampleId :

Tot Ion: 76 Resp: 87658

Ion Ratio Lower Upper

76 100

78 32.9 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN052307.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN052307.D (-2762) (-)

10.71

60000

50000

40000

30000

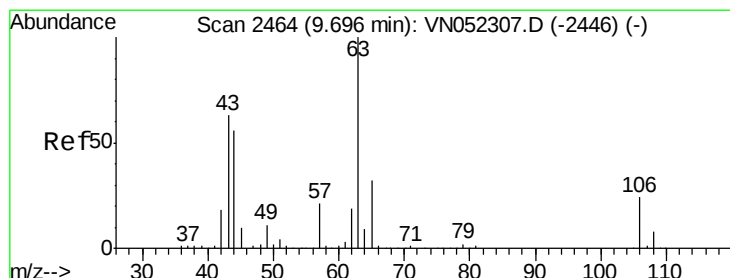
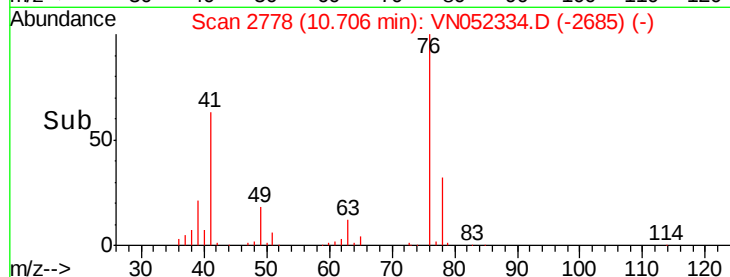
20000

10000

0

Time-->

10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 99.566 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052334.D

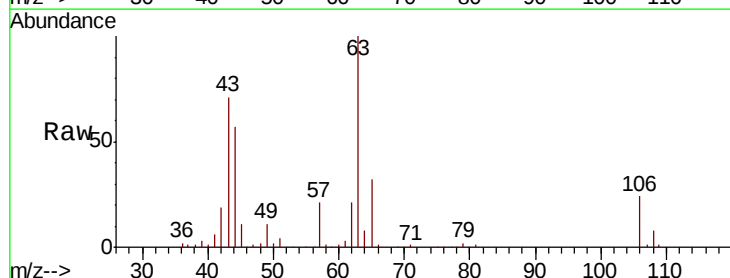
Acq: 15 Nov 2018 11:16

Tgt Ion: 63 Resp: 195655

Ion Ratio Lower Upper

63 100

106 23.6 19.3 28.9



Abundance Ion 62.90 (62.60 to 63.60): VN052307.D (-2446) (-)

Ion 105.90 (105.60 to 106.60): VN052307.D (-2446) (-)

9.69

120000

100000

80000

60000

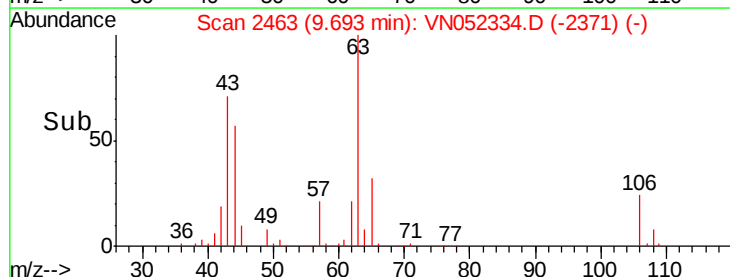
40000

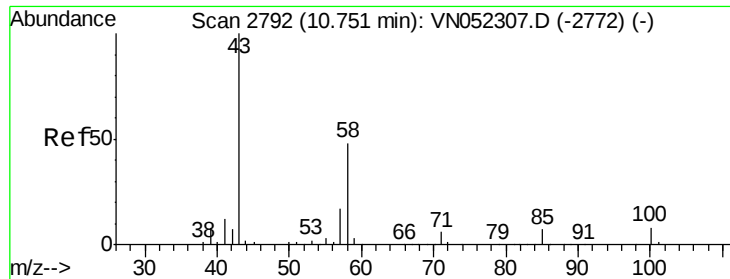
20000

0

Time-->

9.60 9.70 9.80

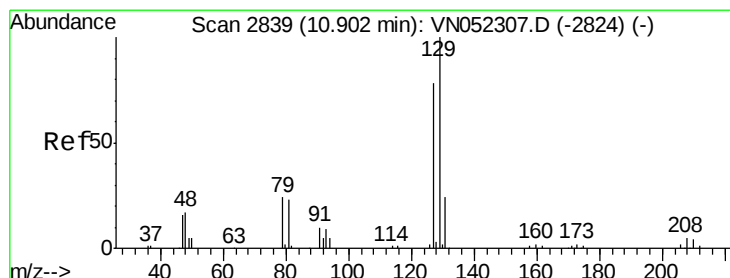
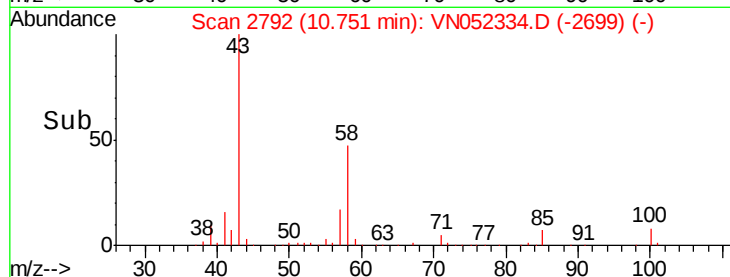
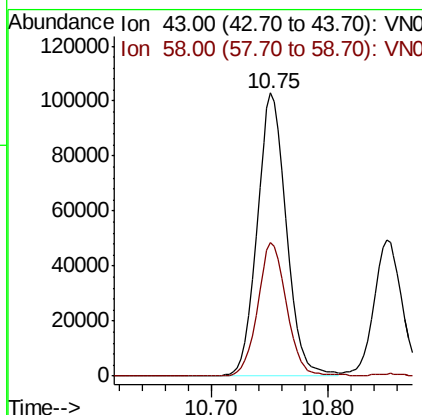
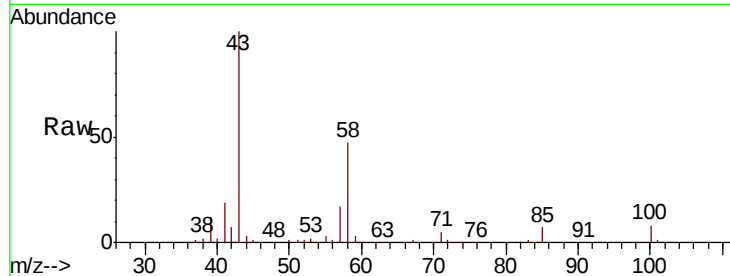




#59
2-Hexanone
Concen: 87.820 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

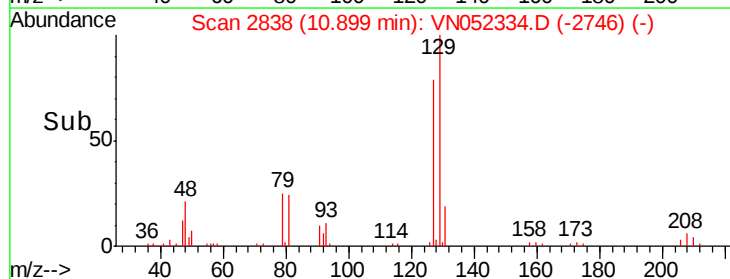
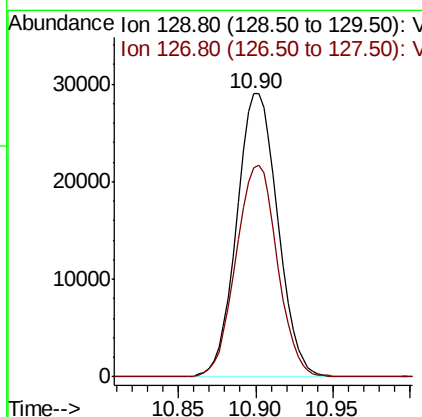
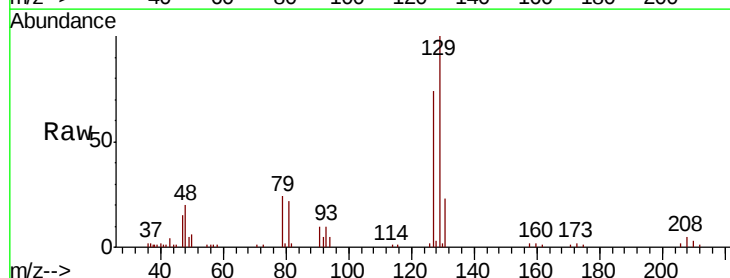
Instrument :
MSVOA_N
ClientSampled :

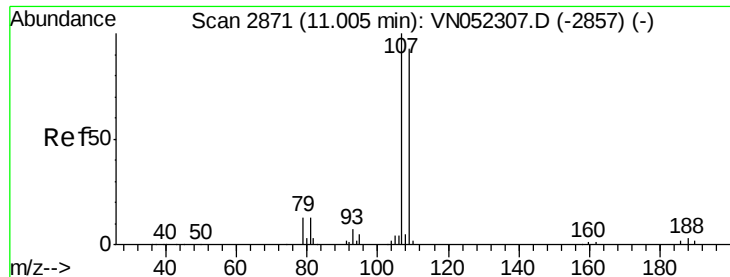
Tot Ion: 43 Resp: 180395
Ion Ratio Lower Upper
43 100
58 46.7 23.5 70.6



#60
Dibromochloromethane
Concen: 18.888 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion: 129 Resp: 53635
Ion Ratio Lower Upper
129 100
127 75.4 38.5 115.5

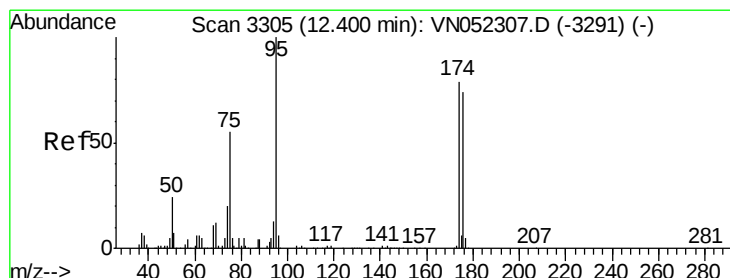
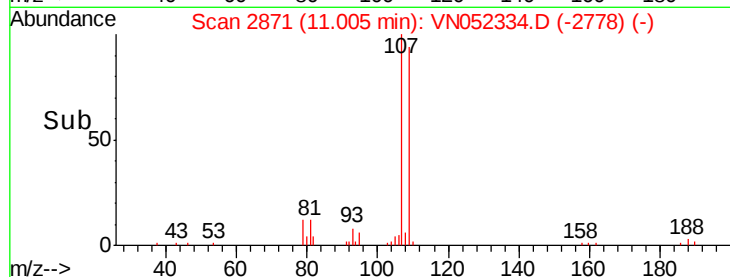
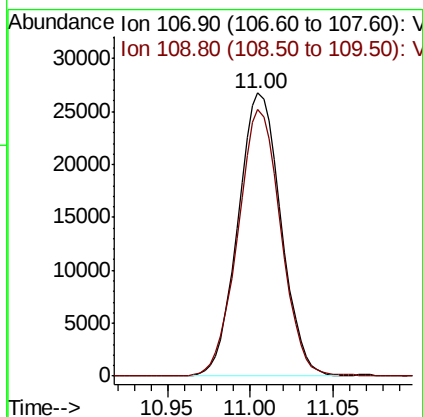
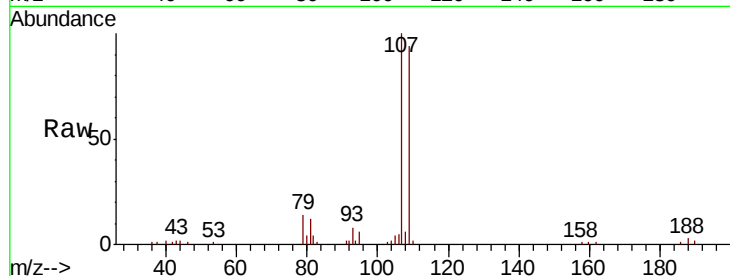




#61
 1,2-Dibromoethane
 Concen: 18.421 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

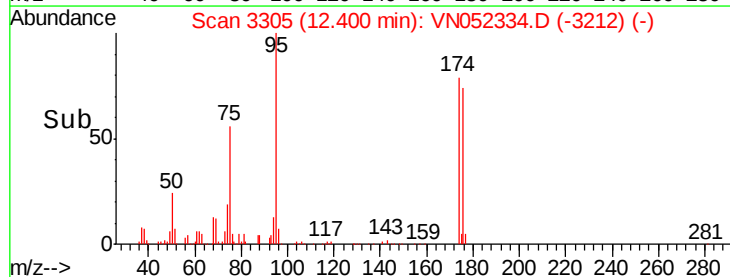
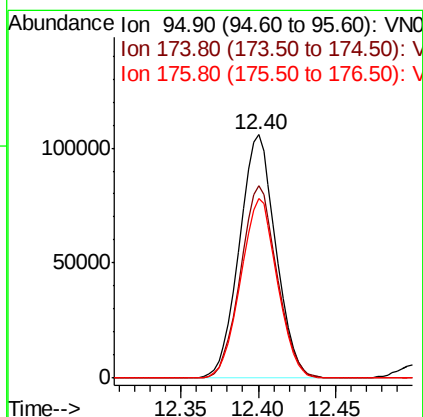
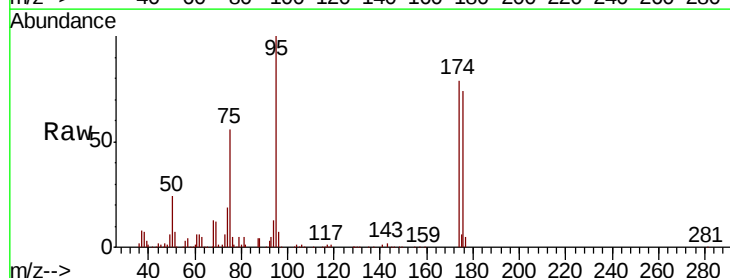
Instrument :
 MSVOA_N
 ClientSampleId :

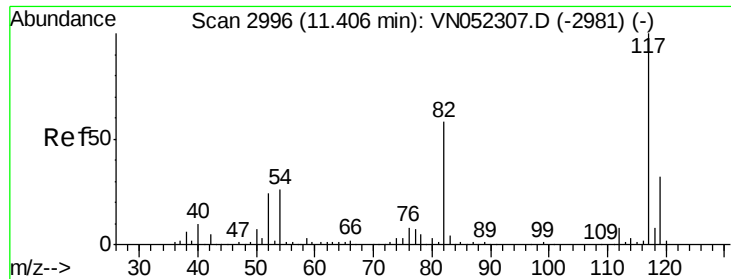
Tot Ion: 107 Resp: 48158
 Ion Ratio Lower Upper
 107 100
 109 94.4 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 18.421 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Tgt Ion: 95 Resp: 173429
 Ion Ratio Lower Upper
 95 100
 174 79.2 0.0 156.0
 176 74.1 0.0 148.4

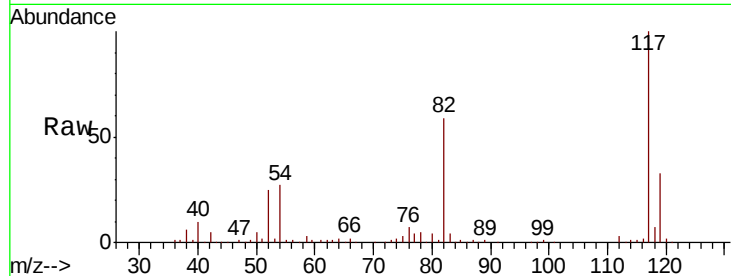




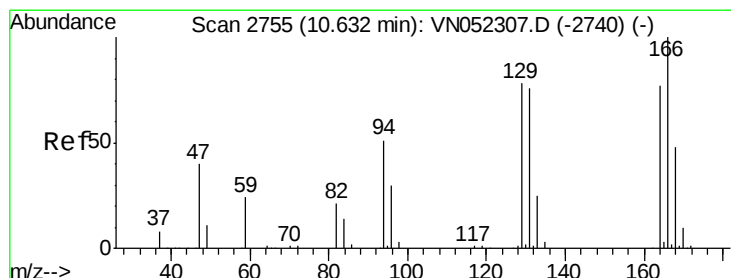
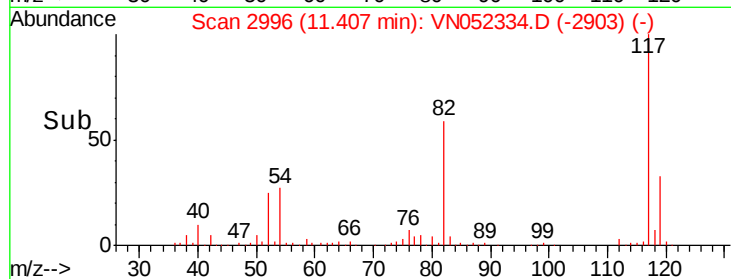
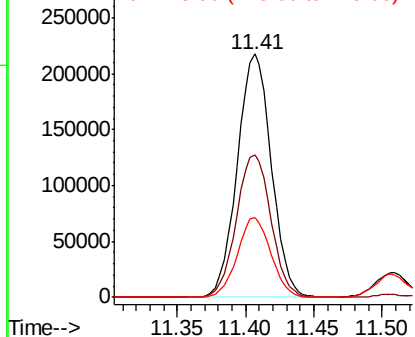
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 376786
Ion Ratio Lower Upper
117 100
82 58.8 46.5 69.7
119 32.8 25.7 38.5

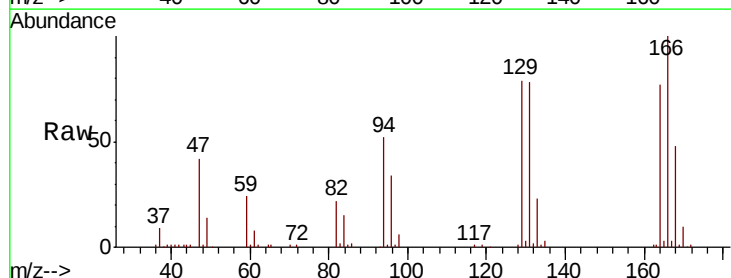


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

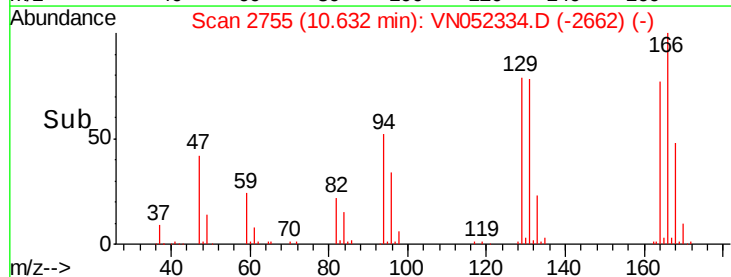
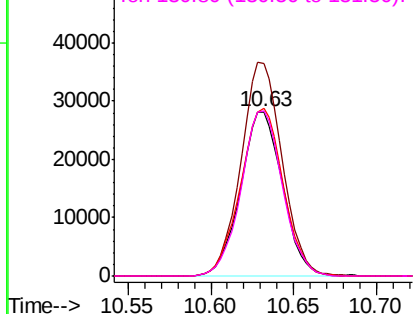


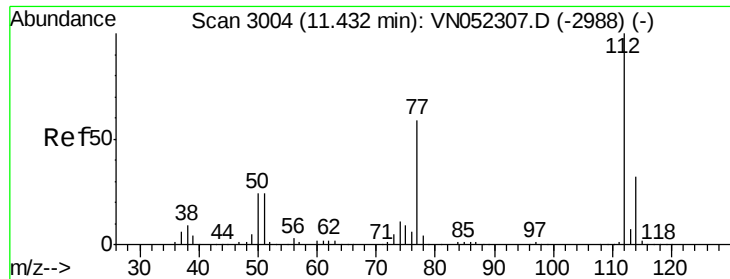
#64
Tetrachloroethene
Concen: 18.423 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion:164 Resp: 49349
Ion Ratio Lower Upper
164 100
166 129.8 103.8 155.6
129 102.0 80.7 121.1
131 100.8 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: 18.859 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

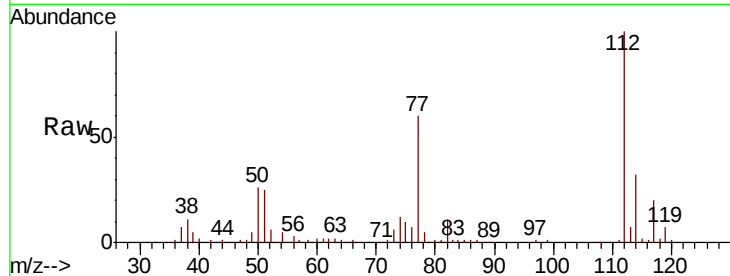
ClientSampled :

Tot Ion:112 Resp: 150202

Ion Ratio Lower Upper

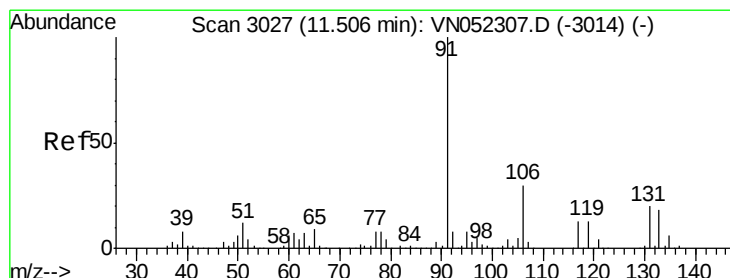
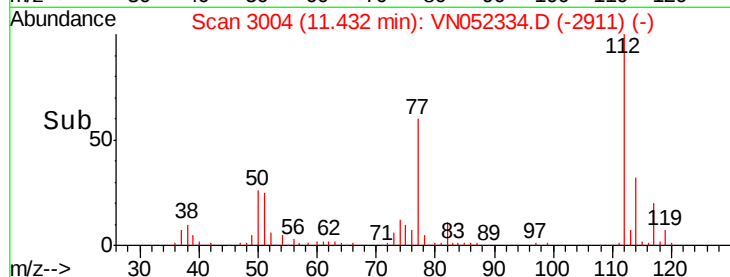
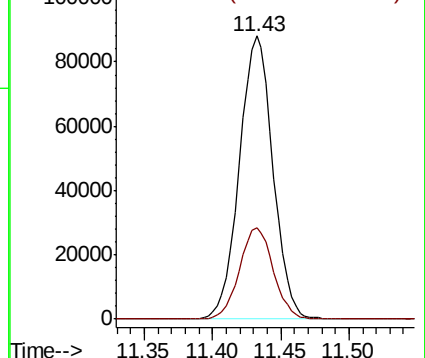
112 100

114 32.1 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.637 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

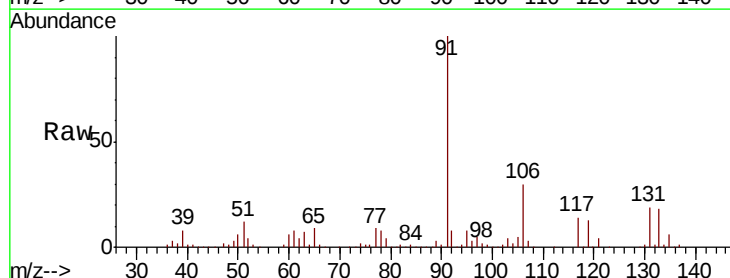
Tgt Ion:131 Resp: 53332

Ion Ratio Lower Upper

131 100

133 94.0 47.4 142.3

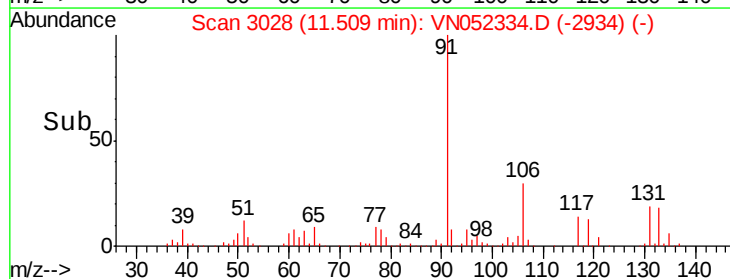
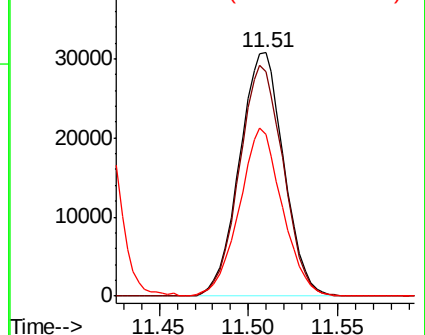
119 66.9 33.3 99.9



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

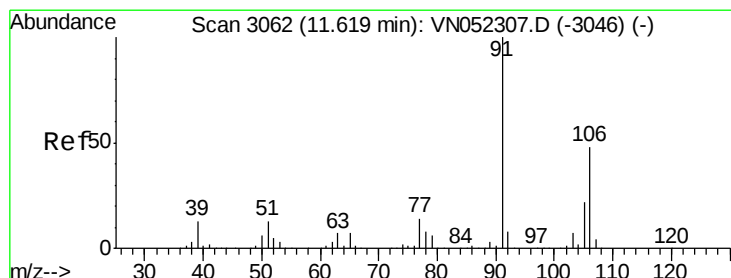
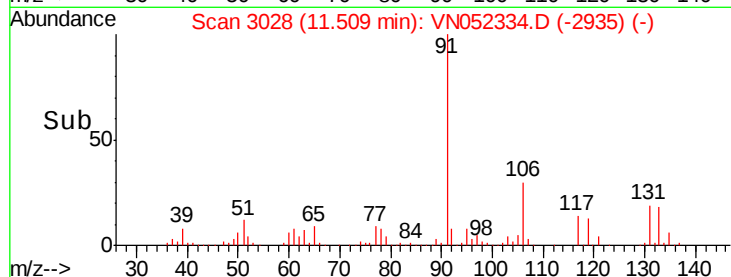
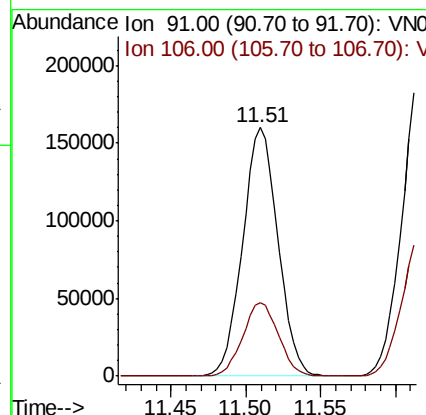
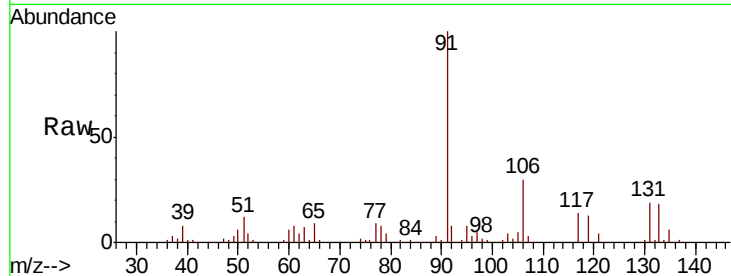




#67
Ethyl Benzene
Concen: 19.022 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

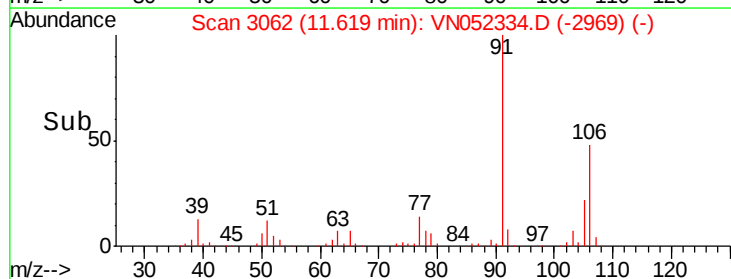
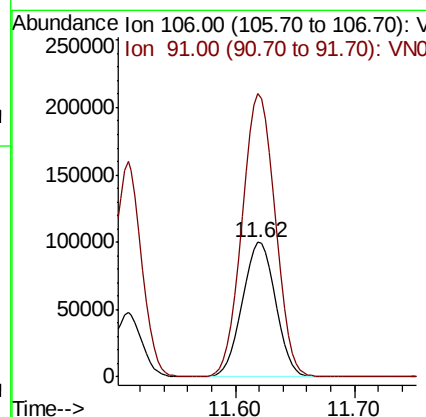
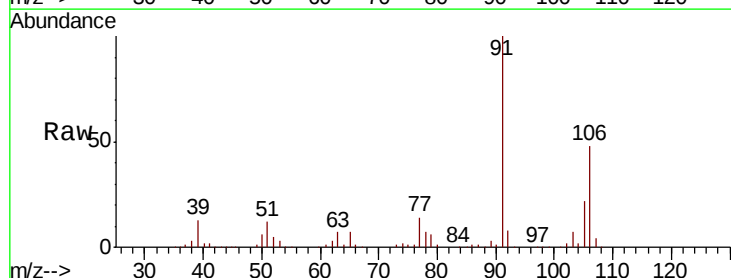
Instrument :
MSVOA_N
ClientSampled :

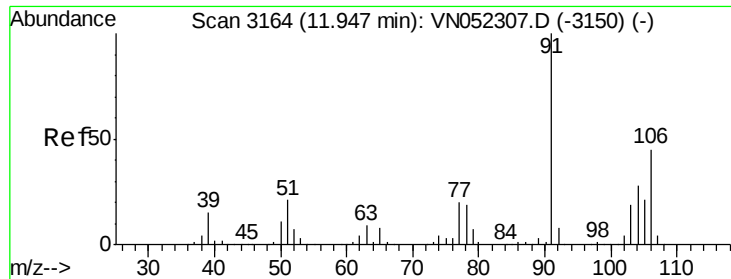
Tot Ion: 91 Resp: 262939
Ion Ratio Lower Upper
91 100
106 29.8 24.2 36.2



#68
m/p-Xylenes
Concen: 38.350 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion: 106 Resp: 193691
Ion Ratio Lower Upper
106 100
91 209.5 165.5 248.3

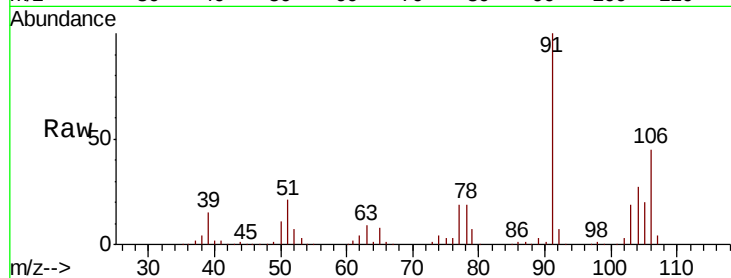




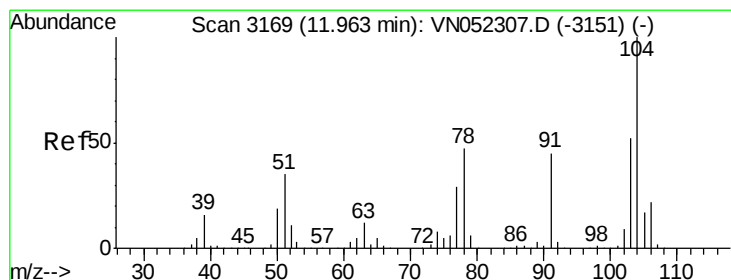
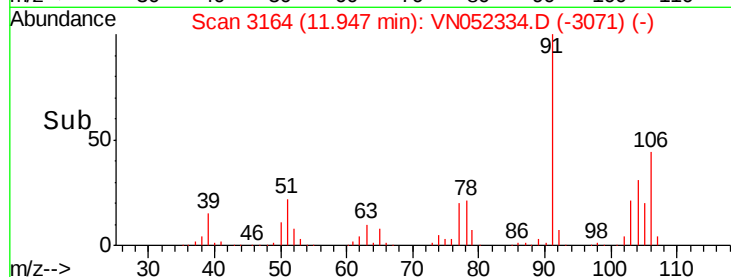
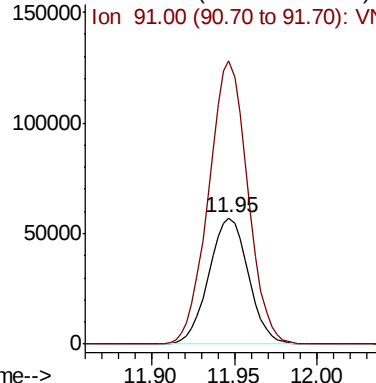
#69
o-Xylene
Concen: 19.538 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 94589
Ion Ratio Lower Upper
106 100
91 222.0 110.0 330.0

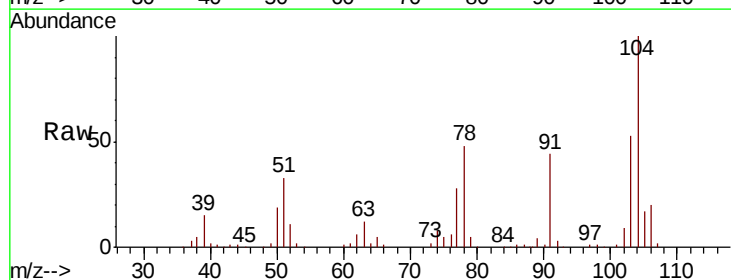


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

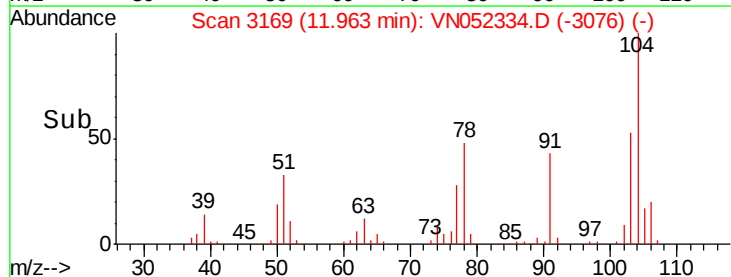
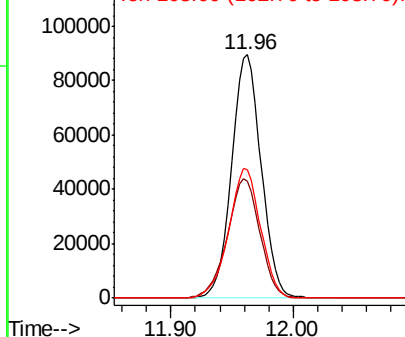


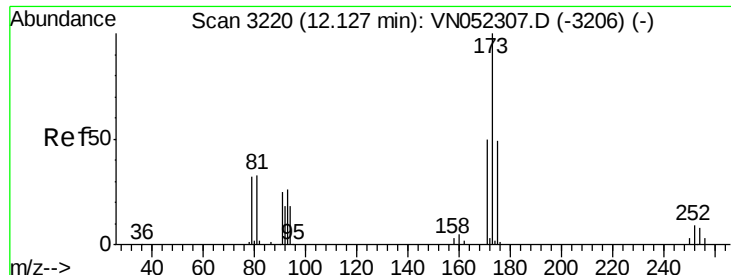
#70
Styrene
Concen: 19.455 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion:104 Resp: 150818
Ion Ratio Lower Upper
104 100
78 54.5 42.7 64.1
103 57.5 45.4 68.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.803 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

ClientSampled :

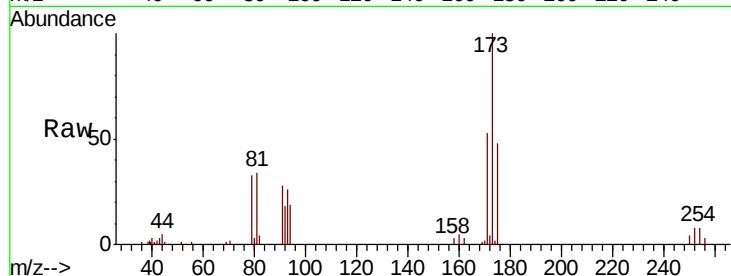
Tot Ion:173 Resp: 28548

Ion Ratio Lower Upper

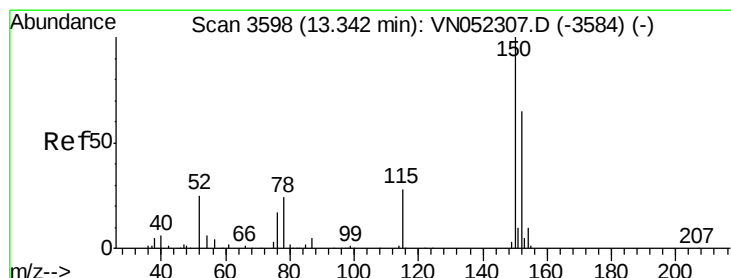
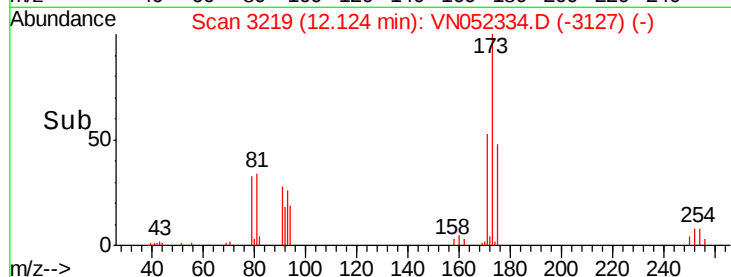
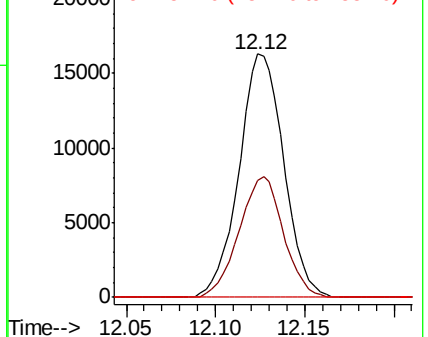
173 100

175 49.1 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: VN052334.D

Acq: 15 Nov 2018 11:16

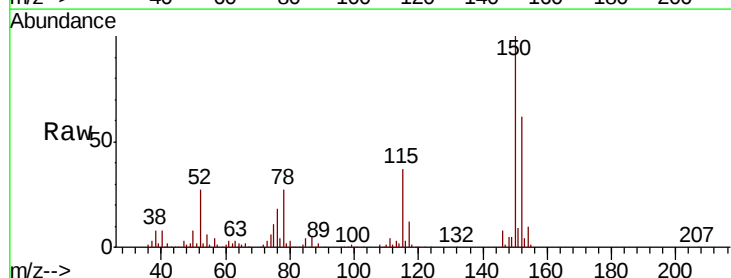
Tgt Ion:152 Resp: 161832

Ion Ratio Lower Upper

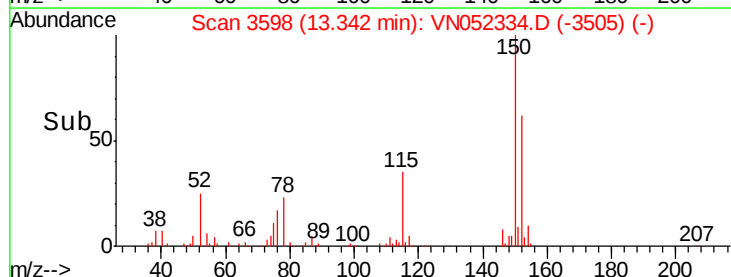
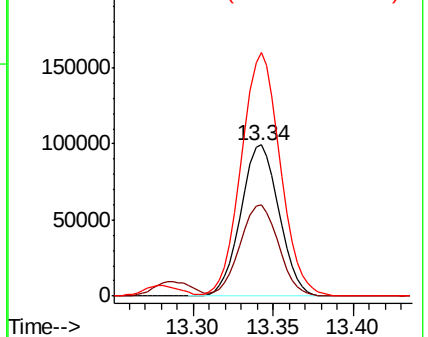
152 100

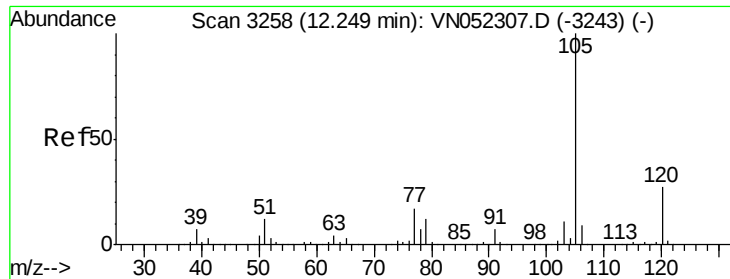
115 61.1 30.3 91.0

150 164.2 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: 19.198 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

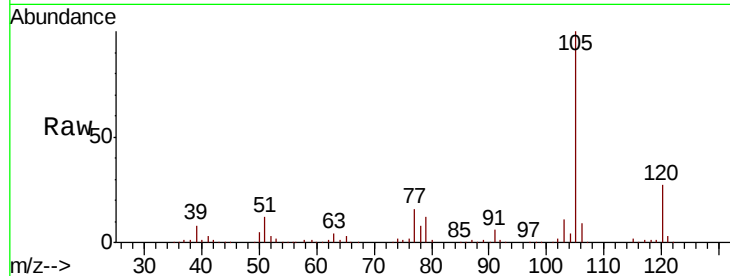
ClientSampleId :

Tot Ion:105 Resp: 249792

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

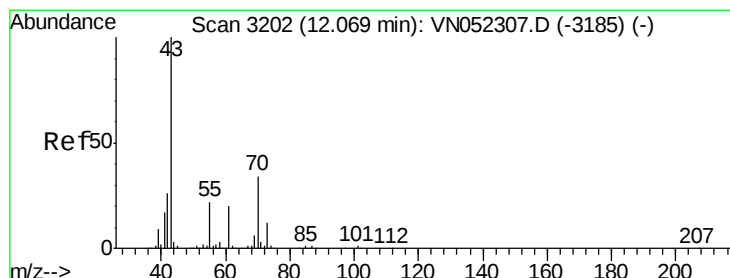
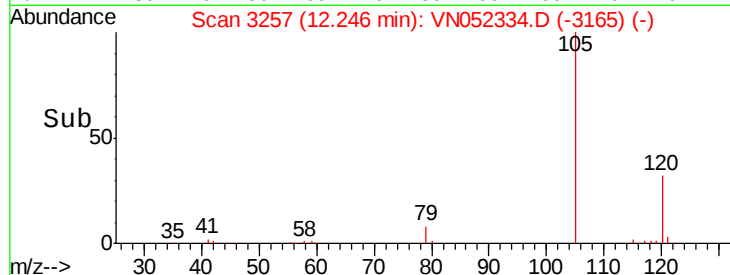
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 18.353 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Tgt Ion: 43 Resp: 85055

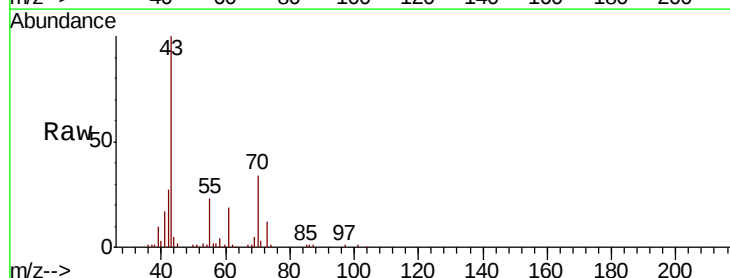
Ion Ratio Lower Upper

43 100

70 33.1 27.1 40.7

55 23.0 17.4 26.0

61 18.8 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

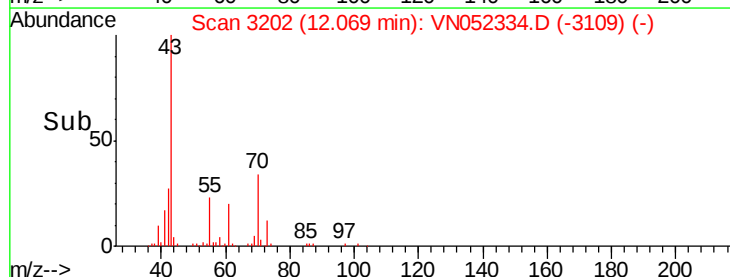
40000

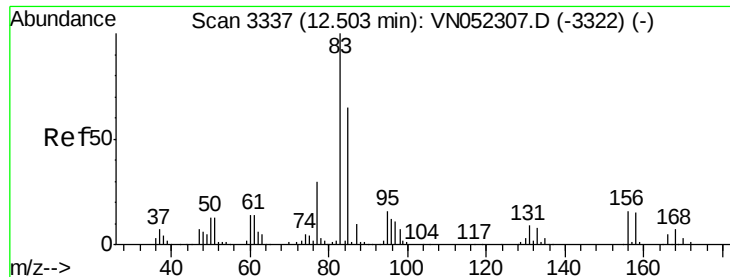
20000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.484 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

ClientSampled :

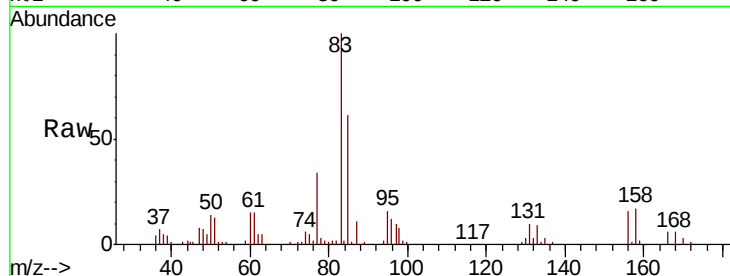
Tot Ion: 83 Resp: 58136

Ion Ratio Lower Upper

83 100

131 10.1 4.7 14.1

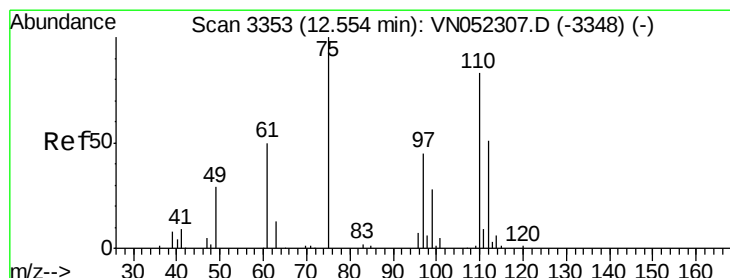
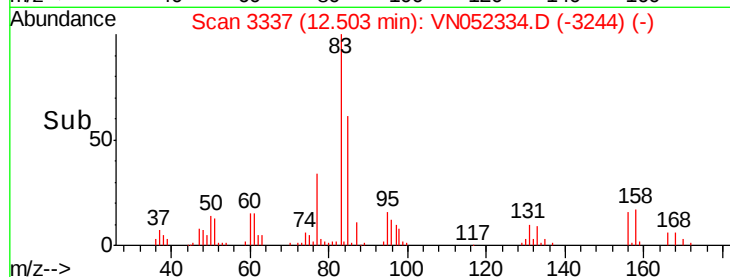
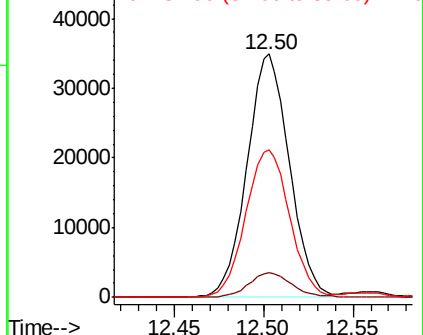
85 62.6 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.298 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052334.D

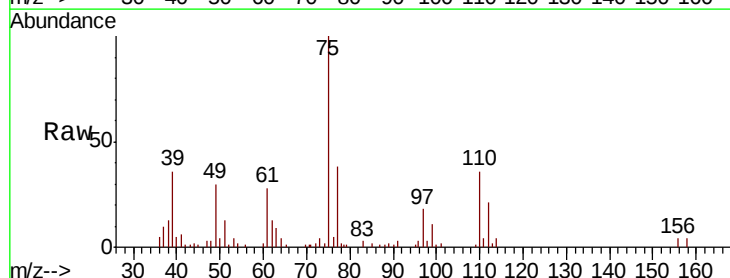
Acq: 15 Nov 2018 11:16

Tgt Ion: 75 Resp: 74960

Ion Ratio Lower Upper

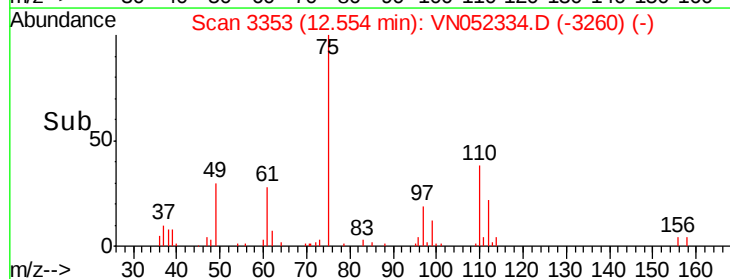
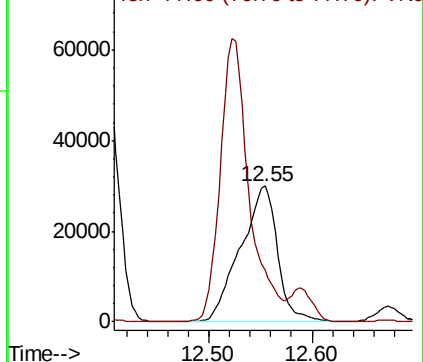
75 100

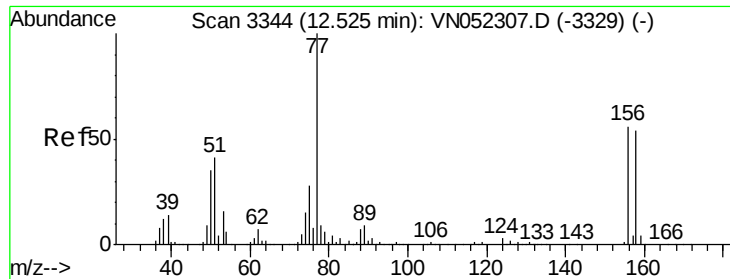
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.193 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

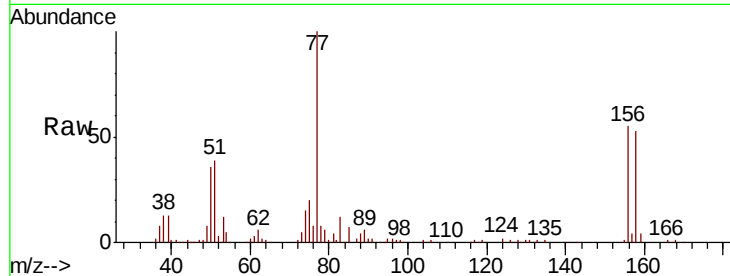
Tot Ion:156 Resp: 58105

Ion Ratio Lower Upper

156 100

77 211.1 103.6 310.9

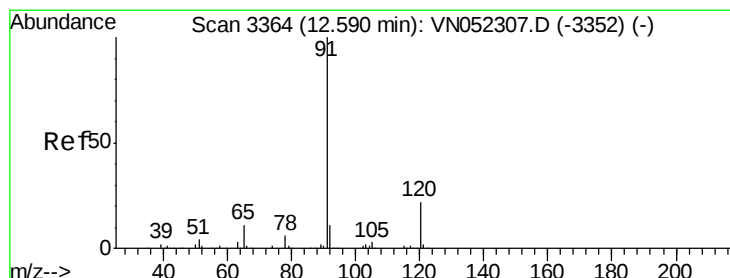
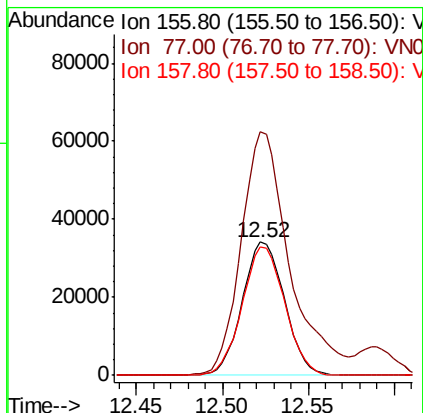
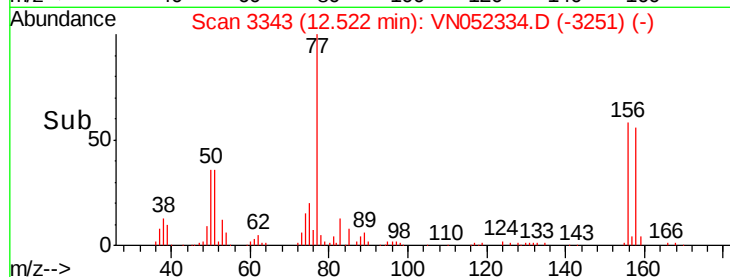
158 97.6 48.1 144.4



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: 18.956 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052334.D

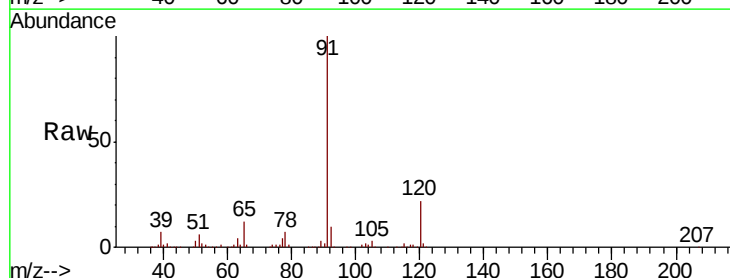
Acq: 15 Nov 2018 11:16

Tgt Ion: 91 Resp: 288445

Ion Ratio Lower Upper

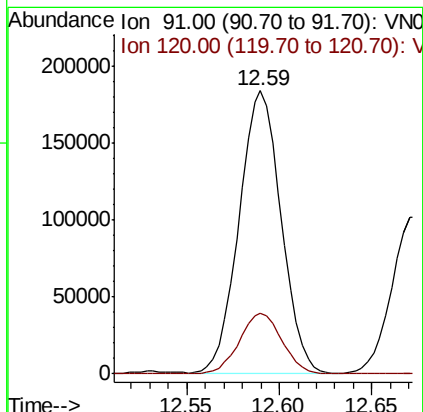
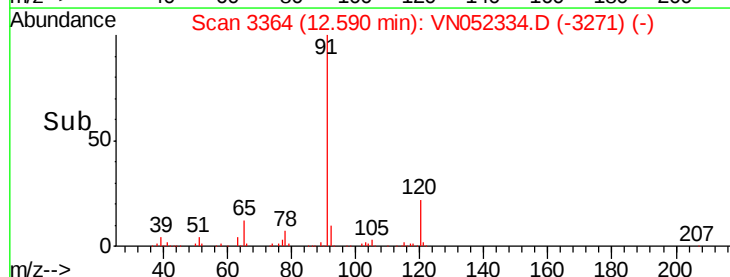
91 100

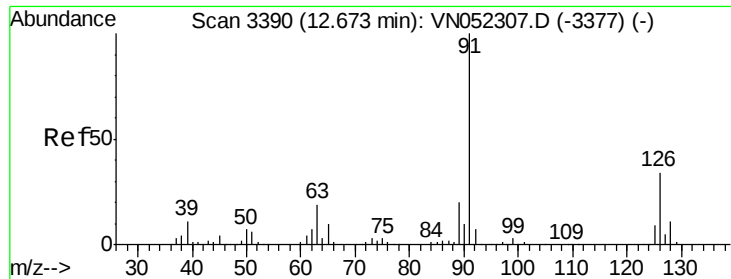
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.302 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

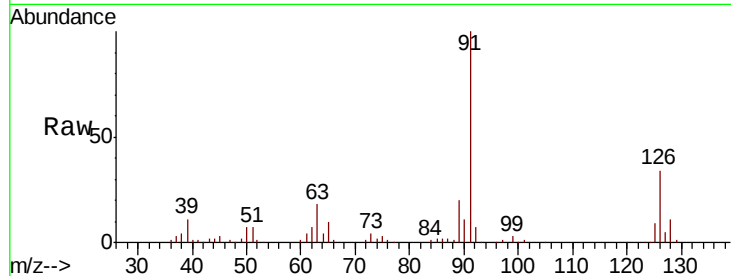
ClientSampleId :

Tot Ion: 91 Resp: 171581

Ion Ratio Lower Upper

91 100

126 33.5 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN052334.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN052334.D (-3297) (-)

200000

150000

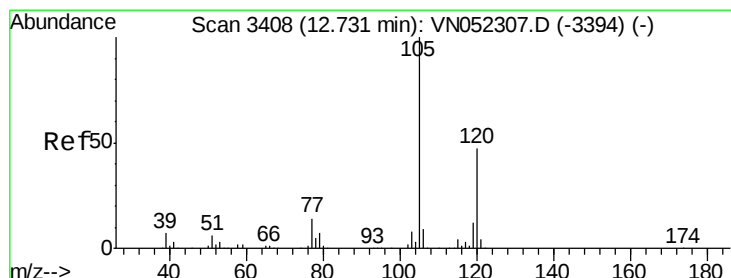
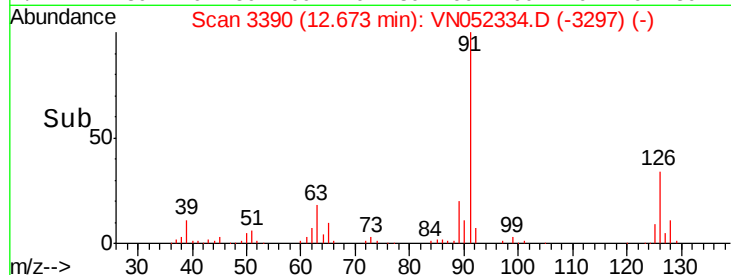
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.062 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052334.D

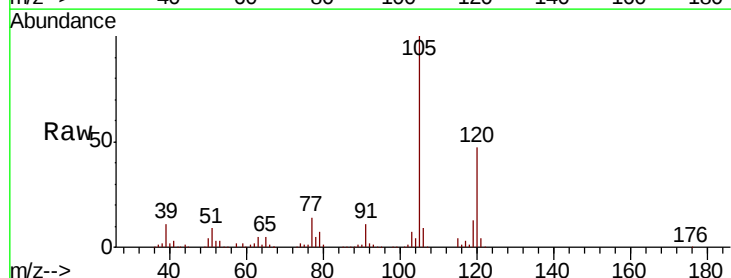
Acq: 15 Nov 2018 11:16

Tgt Ion:105 Resp: 207577

Ion Ratio Lower Upper

105 100

120 47.1 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052334.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN052334.D (-3315) (-)

150000

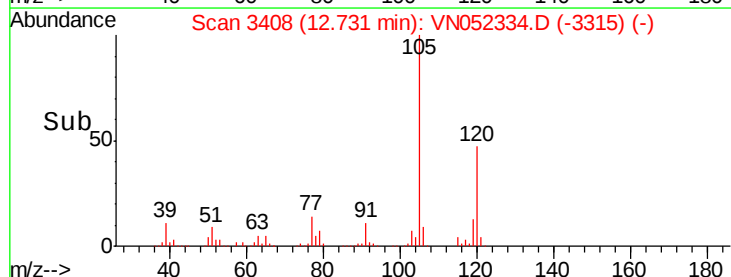
100000

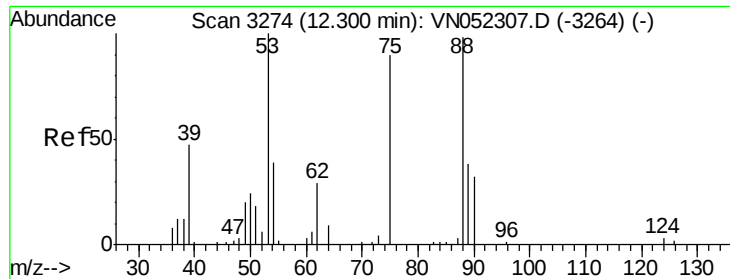
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.145 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

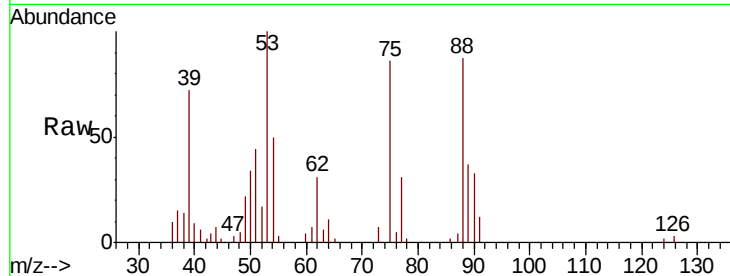
Tot Ion: 75 Resp: 13669

Ion Ratio Lower Upper

75 100

53 121.0 90.2 135.2

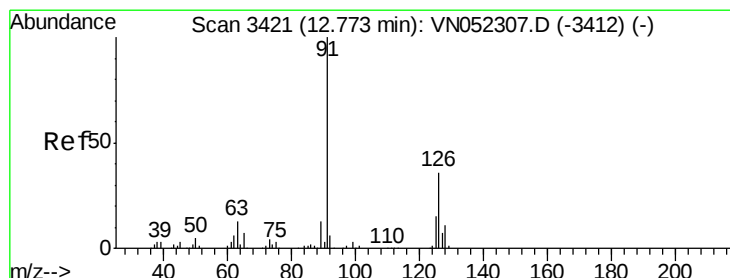
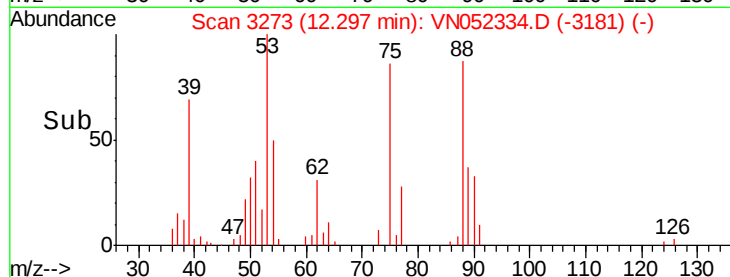
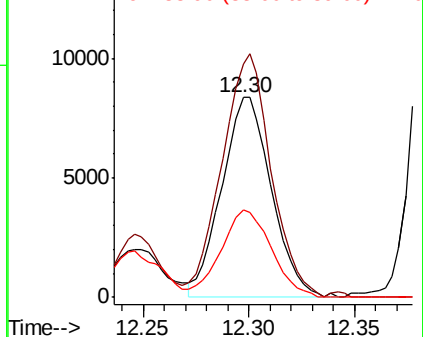
89 44.3 35.4 53.0



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: 18.880 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052334.D

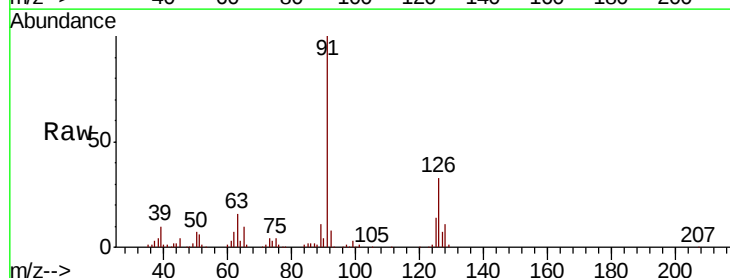
Acq: 15 Nov 2018 11:16

Tgt Ion: 91 Resp: 171949

Ion Ratio Lower Upper

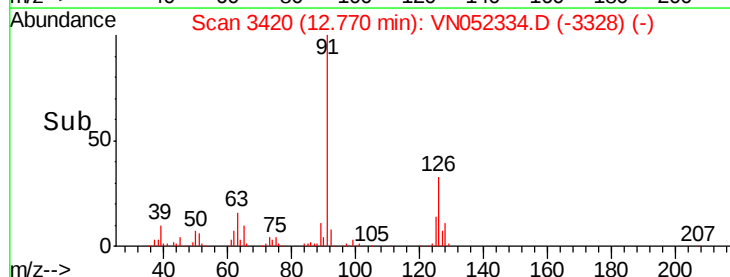
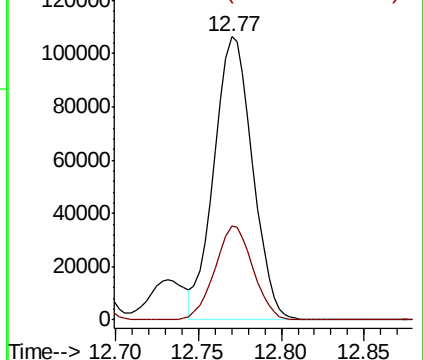
91 100

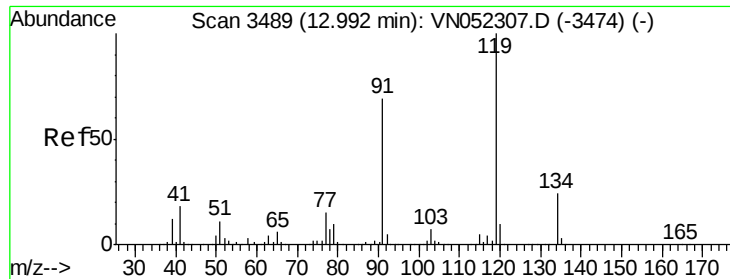
126 32.8 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

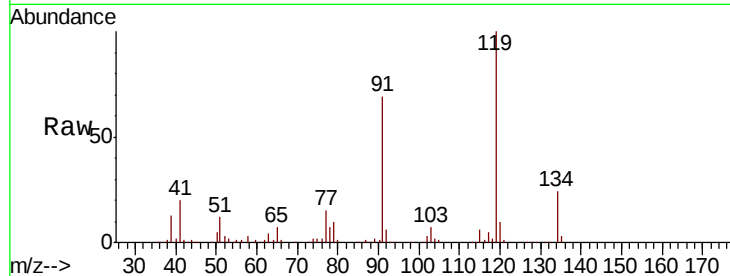




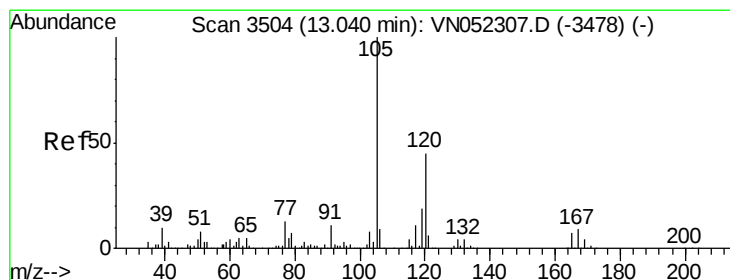
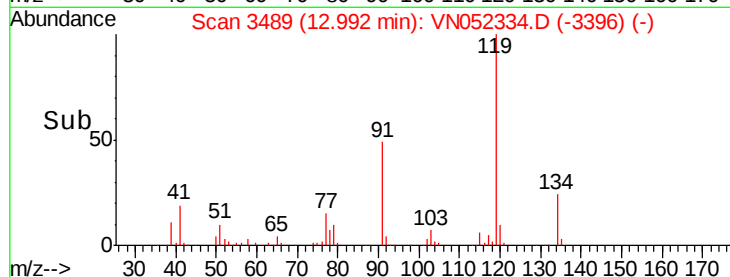
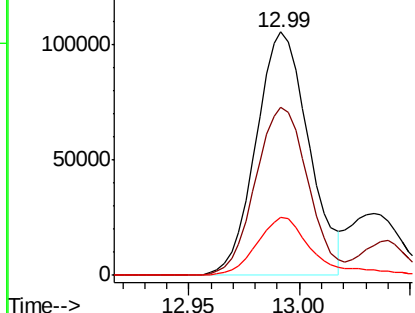
#83
tert-Butylbenzene
Concen: 19.093 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 174415
Ion Ratio Lower Upper
119 100
91 69.1 33.8 101.3
134 25.4 11.9 35.9

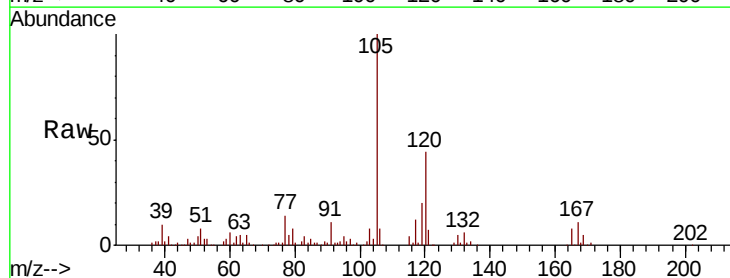


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

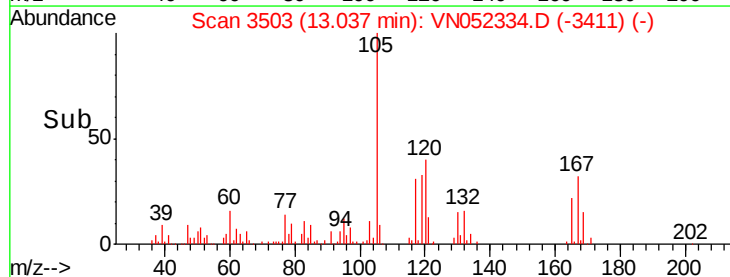
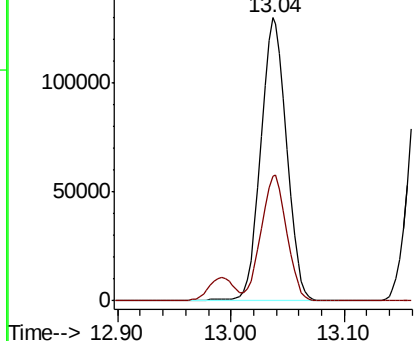


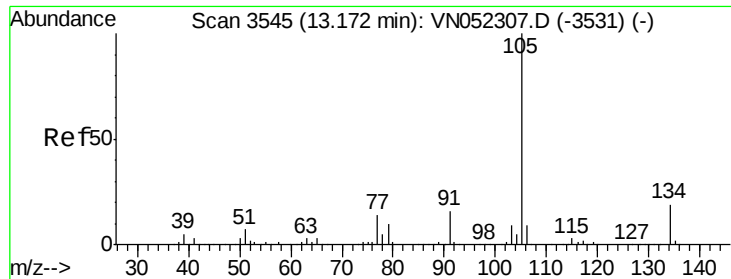
#84
1,2,4-Trimethylbenzene
Concen: 19.850 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion:105 Resp: 206185
Ion Ratio Lower Upper
105 100
120 44.0 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.163 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

Instrument :

MSVOA_N

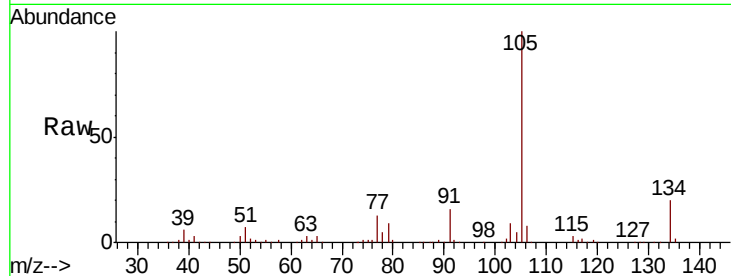
ClientSampleId :

Tot Ion:105 Resp: 238454

Ion Ratio Lower Upper

105 100

134 19.1 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

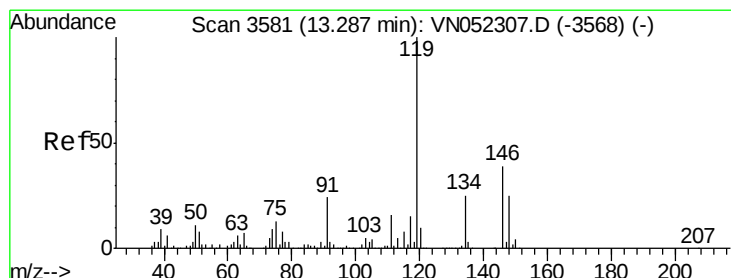
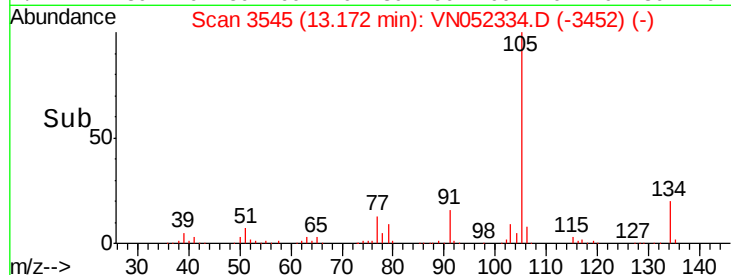
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 18.806 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052334.D

Acq: 15 Nov 2018 11:16

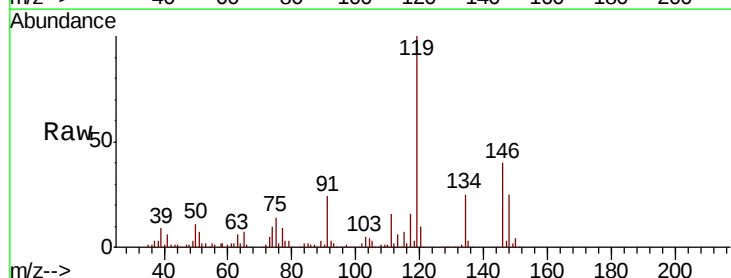
Tgt Ion:119 Resp: 198234

Ion Ratio Lower Upper

119 100

134 25.5 13.0 38.9

91 25.1 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

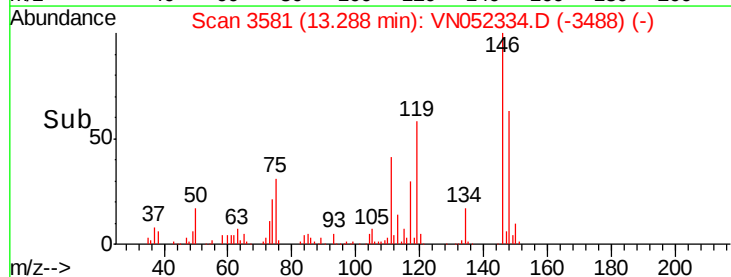
100000

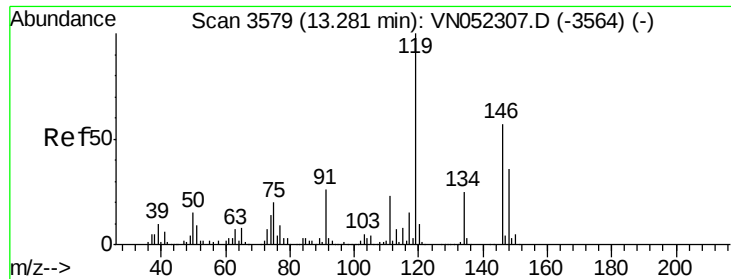
50000

0

13.25 13.30 13.35

Time-->

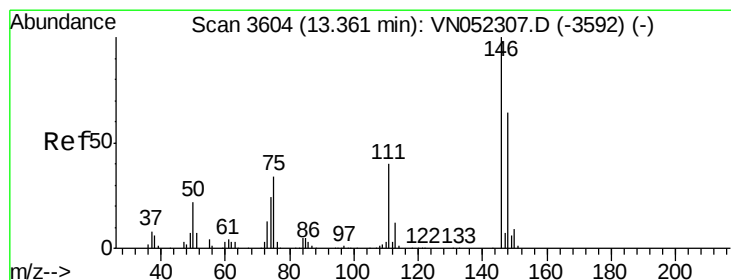
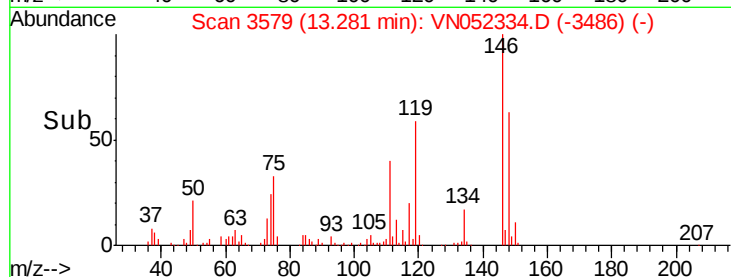
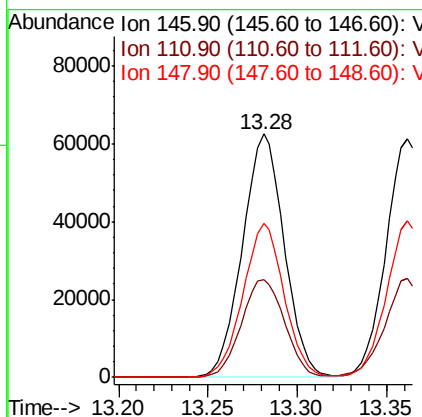
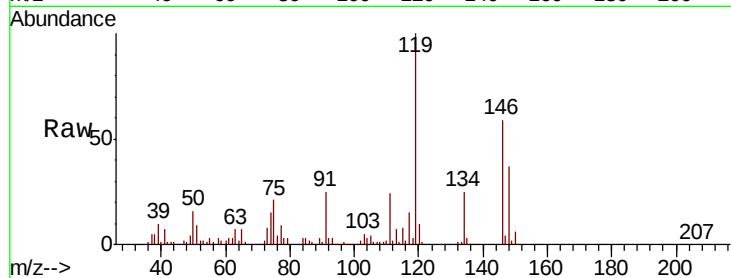




#87
 1,3-Dichlorobenzene
 Concen: 19.064 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

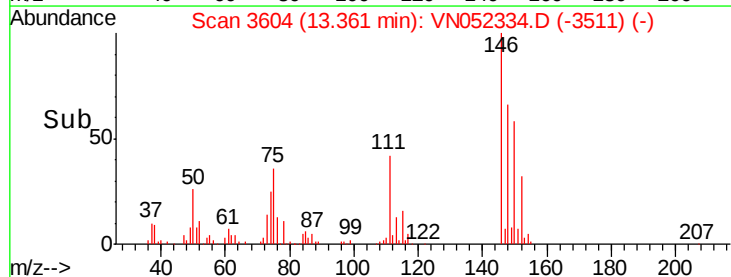
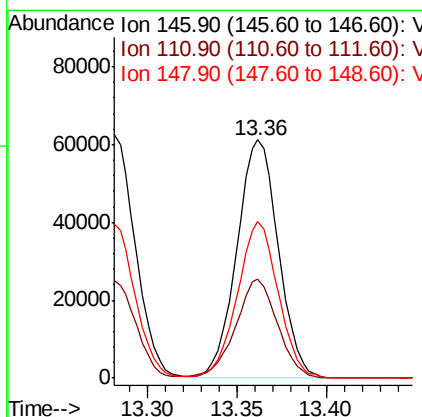
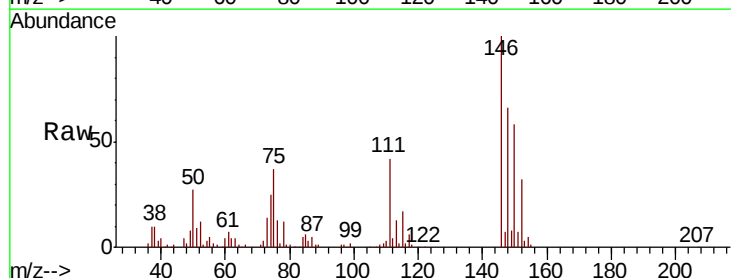
Instrument :
 MSVOA_N
 ClientSampleId :

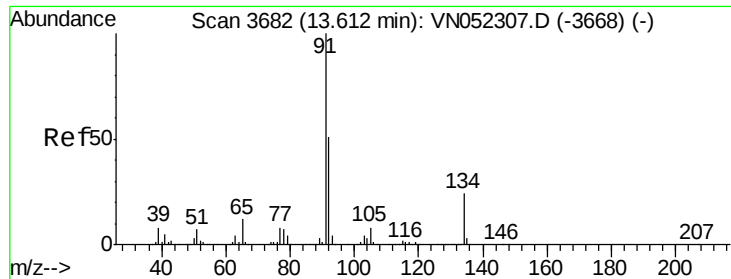
Tot Ion:146 Resp: 102500
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.3 61.0
 148 62.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.616 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Tgt Ion:146 Resp: 99509
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.6 61.8
 148 64.7 32.4 97.2

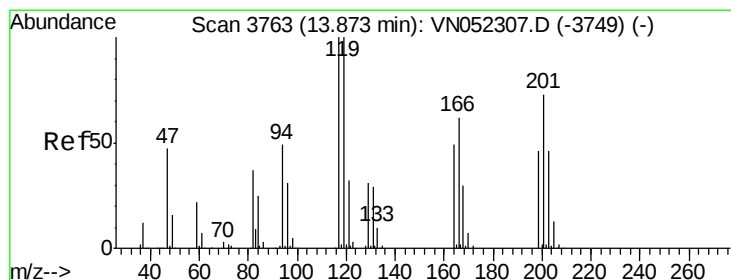
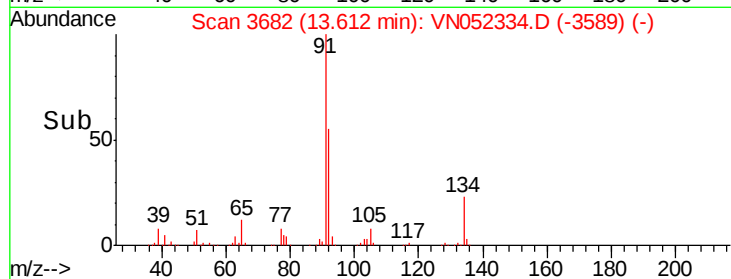
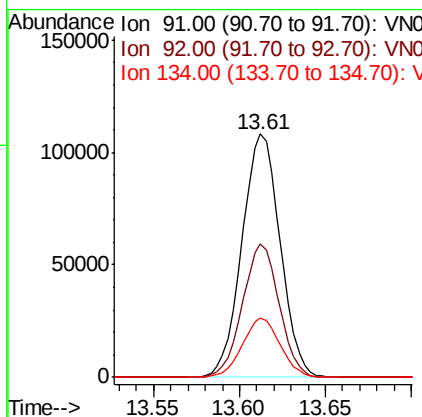
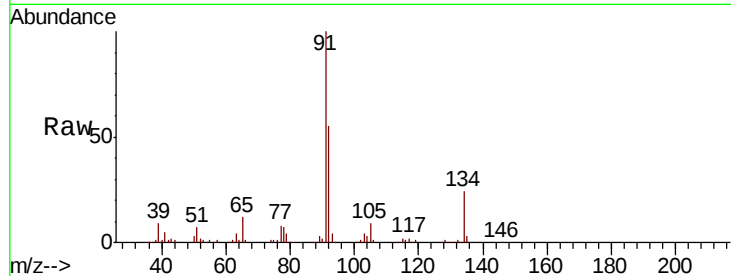




#89
n-Butylbenzene
Concen: 18.430 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

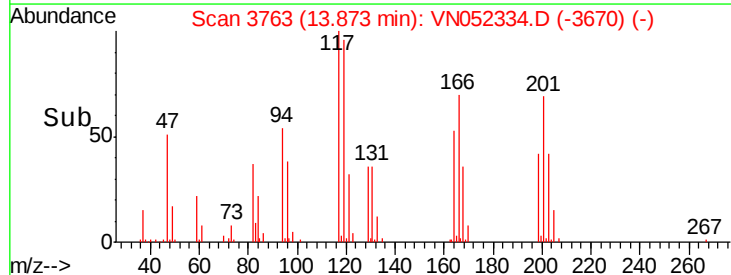
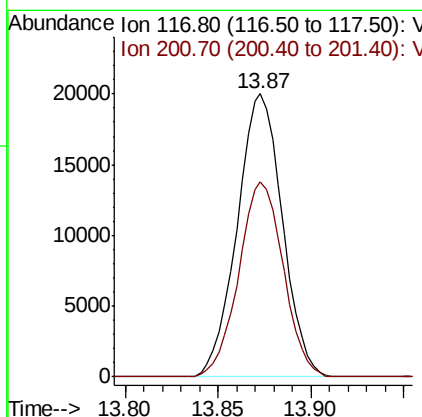
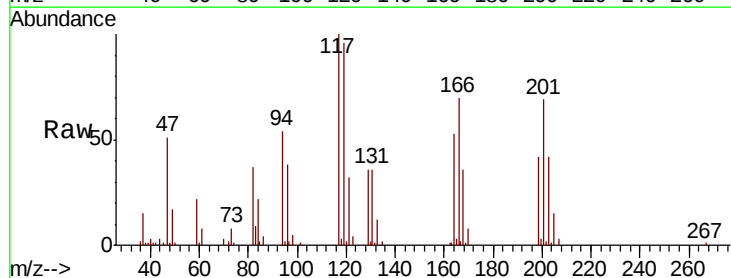
Instrument :
MSVOA_N
ClientSampled :

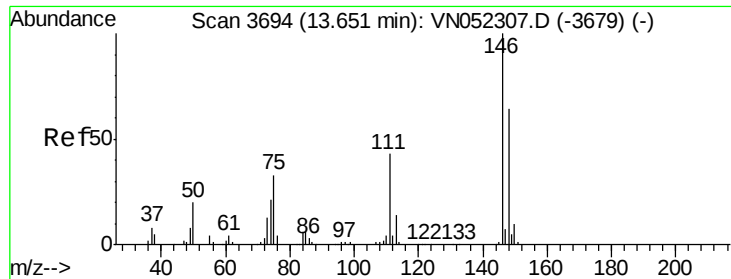
Tot Ion: 91 Resp: 166849
Ion Ratio Lower Upper
91 100
92 52.6 25.4 76.2
134 24.0 12.2 36.4



#90
Hexachloroethane
Concen: 18.184 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion: 117 Resp: 33950
Ion Ratio Lower Upper
117 100
201 68.0 35.3 105.9

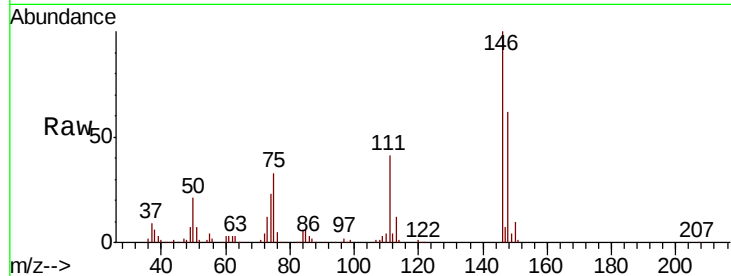




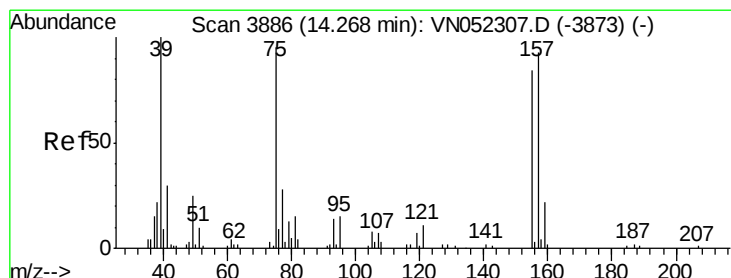
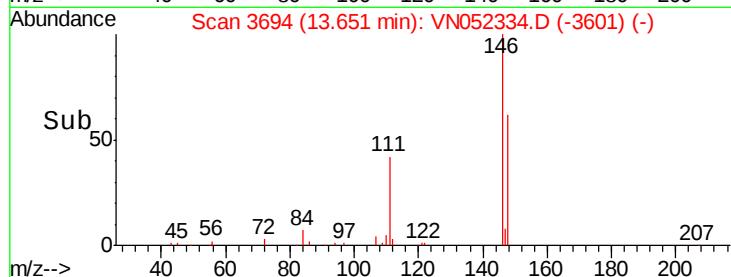
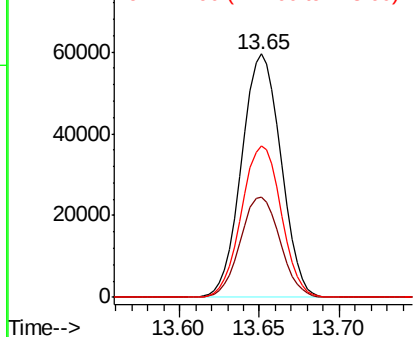
#91
 1,2-Dichlorobenzene
 Concen: 19.174 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.9
148	62.8	31.6	94.8

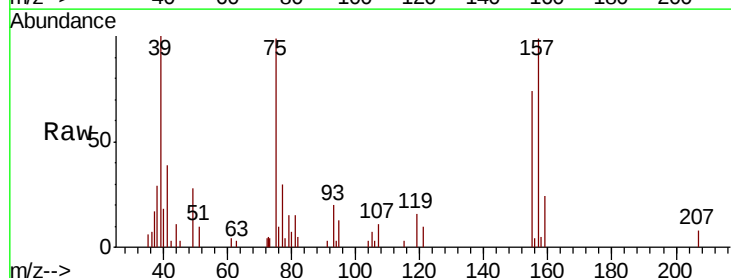


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

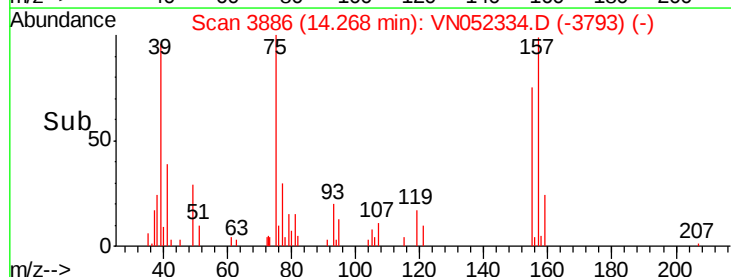
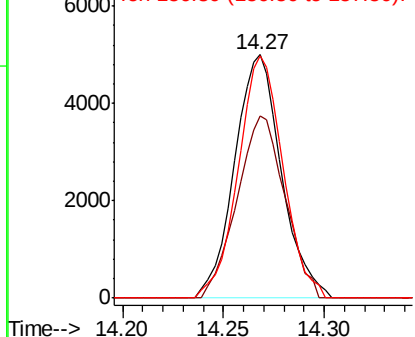


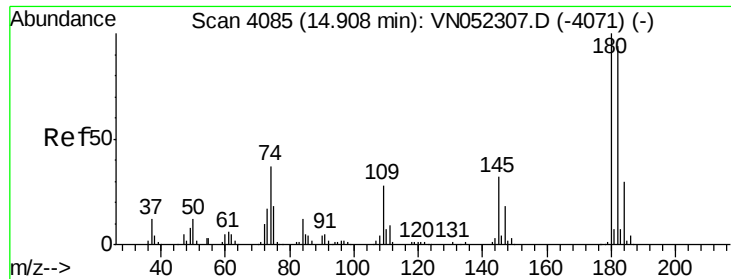
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.501 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	42.4	127.3
157	95.3	49.6	149.0



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

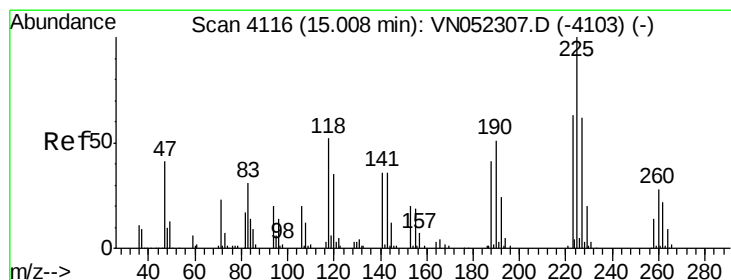
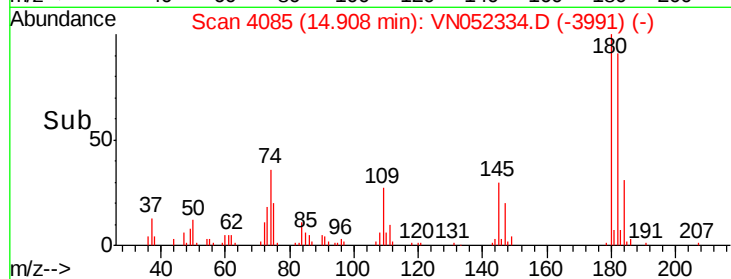
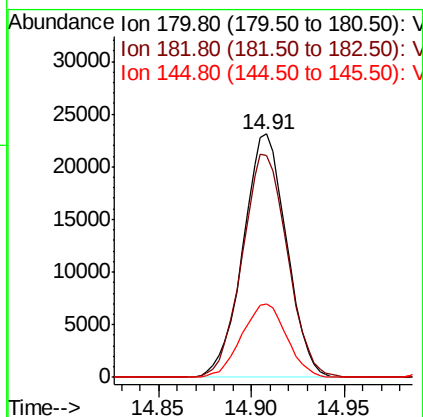
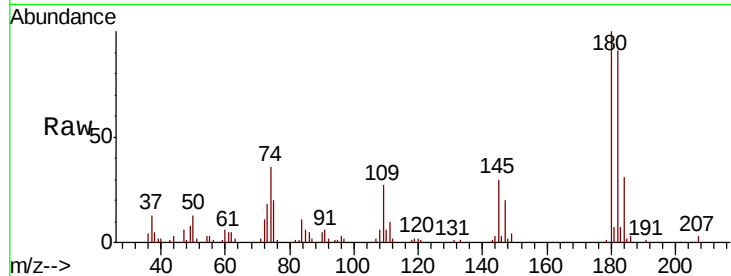




#93
 1,2,4-Trichlorobenzene
 Concen: 17.079 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

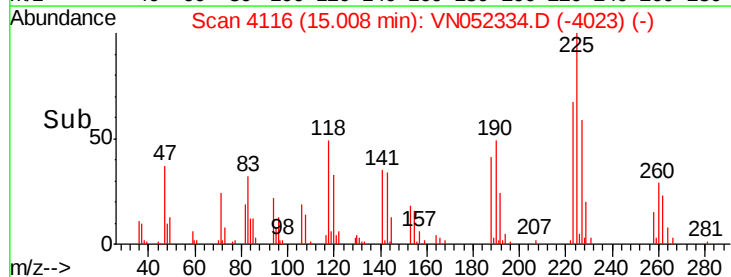
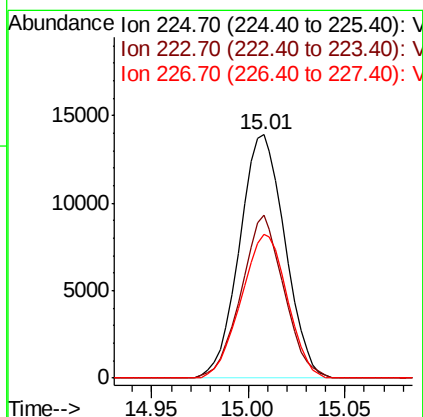
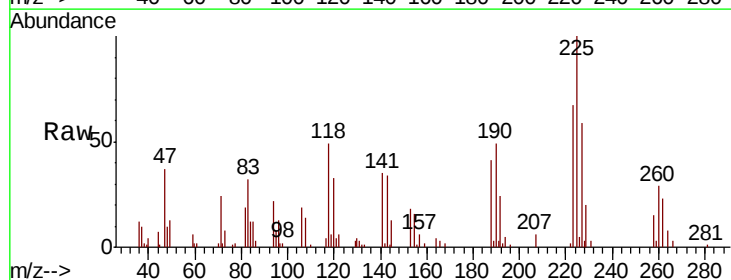
Instrument :
 MSVOA_N
 ClientSampled :

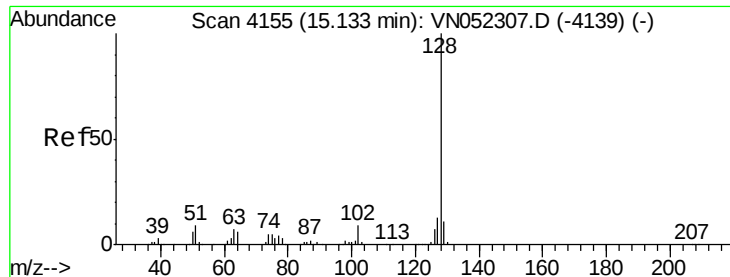
Tot Ion:180 Resp: 37623
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.6 142.9
 145 31.2 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 19.046 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052334.D
 Acq: 15 Nov 2018 11:16

Tgt Ion:225 Resp: 22708
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.9 95.5
 227 59.7 31.6 95.0

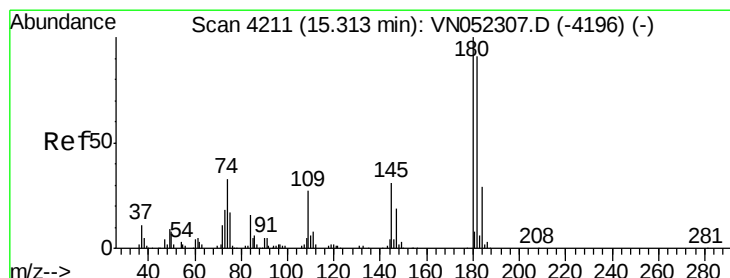
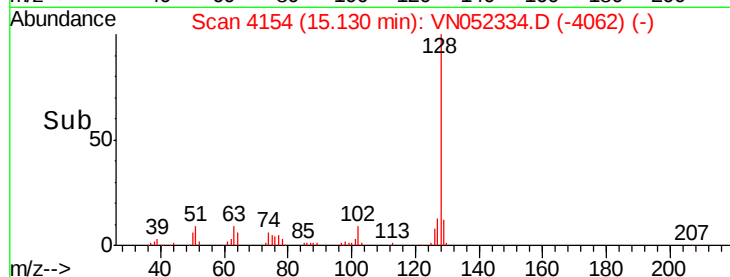
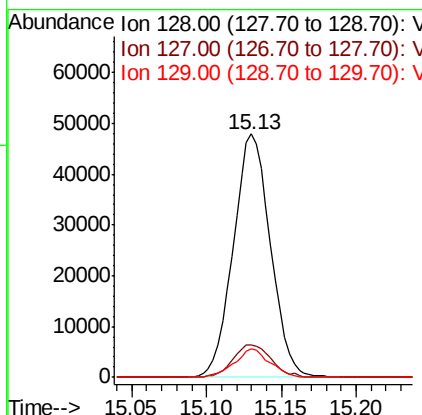
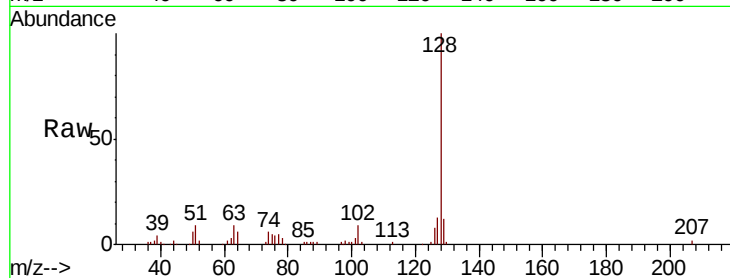




#95
Naphthalene
Concen: 16.280 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 82646
Ion Ratio Lower Upper
128 100
127 13.7 10.4 15.6
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.931 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052334.D
Acq: 15 Nov 2018 11:16

Tgt Ion:180 Resp: 35492
Ion Ratio Lower Upper
180 100
182 94.3 46.5 139.3
145 32.5 16.4 49.2

