

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052091.D
 Acq On : 1 Nov 2018 8:49
 Operator : MD\SY
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Nov 02 05:18:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:15:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	60783	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	351493	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	317995	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	143361	31.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.93%
60) 4-Bromofluorobenzene	12.40	95	153500	30.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.57%
63) Toluene-d8	10.09	98	456338	30.52	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.73%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	83403	20.545 ug/l	100
3) Chloromethane	2.06	50	96160	20.725 ug/l	100
4) Vinyl Chloride	2.19	62	96585	21.221 ug/l	100
5) Bromomethane	2.57	94	62428	20.095 ug/l	100
6) Chloroethane	2.71	64	59472	20.435 ug/l	100
7) Trichlorofluoromethane	3.02	101	125099	20.297 ug/l	100
8) Diethyl Ether	3.42	74	42759	20.546 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	71782	19.926 ug/l	100
10) 1,1-Dichloroethene	3.74	96	66147	19.679 ug/l	100
11) Methyl Iodide	3.96	142	92110	18.953 ug/l	100
12) Methyl Acetate	4.33	43	57324	19.631 ug/l	100
13) Acrolein	3.61	56	29501	97.201 ug/l	100
14) Acrylonitrile	4.99	53	129346	103.092 ug/l	100
15) Acetone	3.82	58	31217	105.272 ug/l	100
16) Carbon Disulfide	4.06	76	192747	19.420 ug/l	100
17) Allyl chloride	4.33	41	113408	19.871 ug/l	100
18) Methylene Chloride	4.55	84	82733	19.941 ug/l	100
19) trans-1,2-Dichloroethene	5.05	96	73669	20.003 ug/l	100
20) Diisopropyl ether	5.96	45	252471	20.346 ug/l	100
21) 1,1-Dichloroethane	5.85	63	148678	20.514 ug/l	100
22) cis-1,2-Dichloroethene	6.84	96	87414	20.326 ug/l	100
23) tert-Butyl Alcohol	4.78	59	23189	117.146 ug/l	100
24) Methyl tert-Butyl Ether	5.05	73	196604	20.631 ug/l	100
25) Chloroform	7.37	83	149778	20.581 ug/l	100
26) Cyclohexane	7.65	56	128331	19.752 ug/l	100
29) 1,1-Dichloropropene	7.79	75	114170	20.459 ug/l	100
30) 2-Butanone	6.84	43	157912	106.258 ug/l	100
31) 2,2-Dichloropropane	6.83	77	115560	20.092 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	123749	19.819 ug/l	100
33) Carbon Tetrachloride	7.78	117	108594	19.556 ug/l	100
34) Benzene	8.04	78	331106	20.264 ug/l	100
35) Methacrylonitrile	7.21	41	95238	31.671 ug/l	# 89
36) 1,2-Dichloroethane	8.13	62	110192	20.170 ug/l	100
37) Trichloroethene	8.84	130	78322	19.151 ug/l	100
38) Methylcyclohexane	9.08	83	134830	19.806 ug/l	100
39) 1,2-Dichloropropane	9.12	63	90842	20.885 ug/l	100
40) Dibromomethane	9.21	93	54605	20.367 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	109710	20.000	ug/l	100
42) Vinyl Acetate	5.90	43	892680	102.606	ug/l	100
43) Ethyl Acetate	6.84	43	157912	15.265	ug/l #	86
44) Isopropyl Acetate	8.17	43	125271	20.259	ug/l	100
45) 1,4-Dioxane	9.20	88	12820	454.468	ug/l	100
46) Methyl methacrylate	9.20	41	65012	21.121	ug/l	100
47) n-amyl Acetate	12.07	43	110795	19.751	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	107614	19.756	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	127974	20.355	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	70984	20.022	ug/l	100
51) Ethyl methacrylate	10.43	69	91700	20.014	ug/l	100
52) 1,3-Dichloropropane	10.71	76	124708	20.195	ug/l	100
53) Dibromochloromethane	10.90	129	74728	19.525	ug/l	100
54) 1,2-Dibromoethane	11.00	107	70135	19.509	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	261120	104.072	ug/l	100
56) Bromoform	12.13	173	41021	18.557	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	355677	104.381	ug/l	100
59) 2-Hexanone	10.75	43	244191	104.081	ug/l	100
61) Tetrachloroethene	10.63	164	66524	19.236	ug/l	100
62) Toluene	10.16	91	360184	20.177	ug/l	100
64) Chlorobenzene	11.43	112	221433	19.572	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	75469	19.599	ug/l	100
66) Ethyl Benzene	11.51	91	377482	19.577	ug/l	100
67) m/p-Xylenes	11.62	106	290066	39.074	ug/l	100
68) o-Xylene	11.95	106	139169	19.663	ug/l	100
69) Styrene	11.96	104	227674	19.962	ug/l	100
70) Isopropylbenzene	12.25	105	368134	19.376	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	83454	19.969	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	107813	31.025	ug/l	51
73) Bromobenzene	12.53	156	79474	18.877	ug/l	100
74) n-propylbenzene	12.59	91	431237	19.491	ug/l	100
75) 2-Chlorotoluene	12.67	91	251520	19.718	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	297557	19.531	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	20241	17.605	ug/l	100
78) 4-Chlorotoluene	12.77	91	251200	19.556	ug/l	100
79) tert-butylbenzene	12.99	119	263869	19.883	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	300989	19.831	ug/l	100
81) sec-Butylbenzene	13.17	105	355818	19.482	ug/l	100
82) p-Isopropyltoluene	13.29	119	297382	19.267	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	141389	18.987	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	136643	18.536	ug/l	100
85) n-Butylbenzene	13.62	91	254350	19.040	ug/l	100
86) Hexachloroethane	13.88	117	49236	18.903	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	135482	19.149	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11881	20.791	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	53704	18.699	ug/l	100
90) Hexachlorobutadiene	15.01	225	29820	18.978	ug/l	100
91) Naphthalene	15.13	128	126198	19.064	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	46020	18.385	ug/l	100

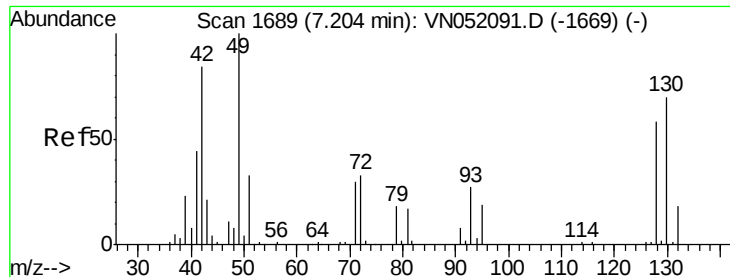
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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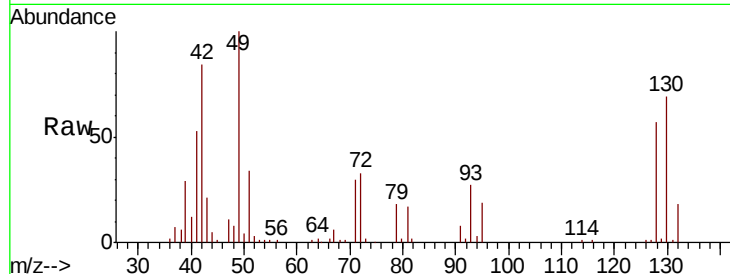
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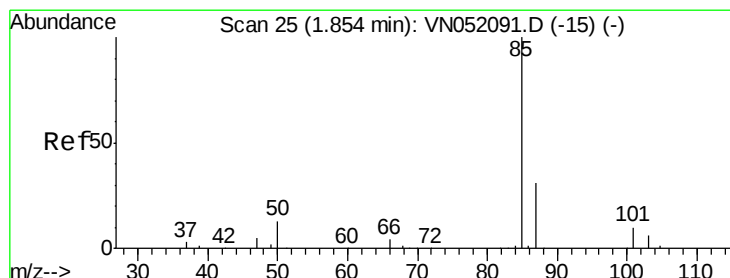
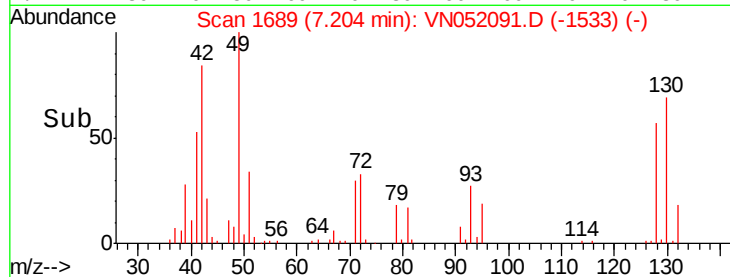
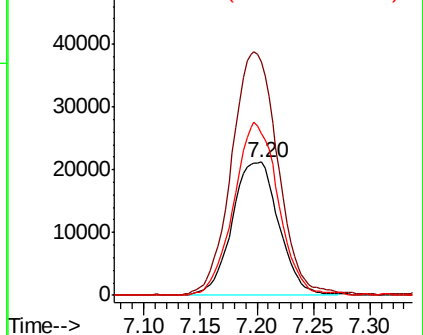
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 128 Resp: 60783
 Ion Ratio Lower Upper
 128 100
 49 181.5 0.0 453.7
 130 123.5 0.0 308.8

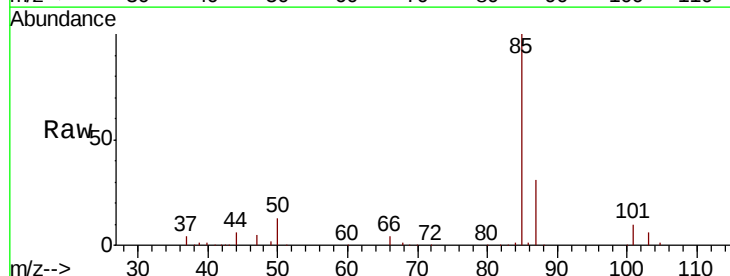


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

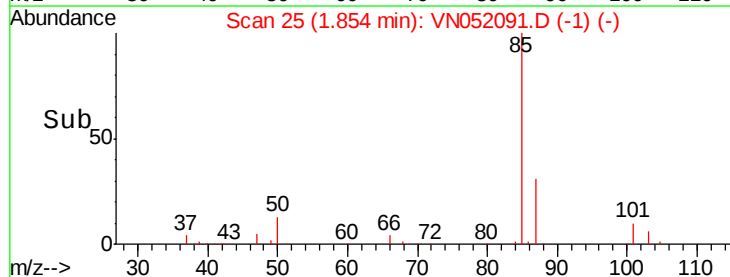
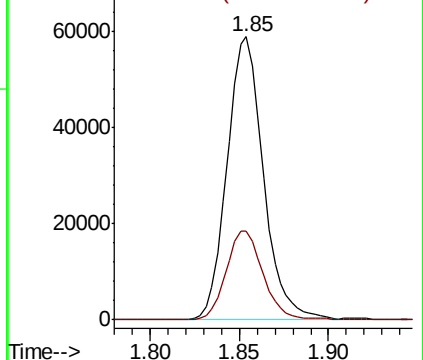


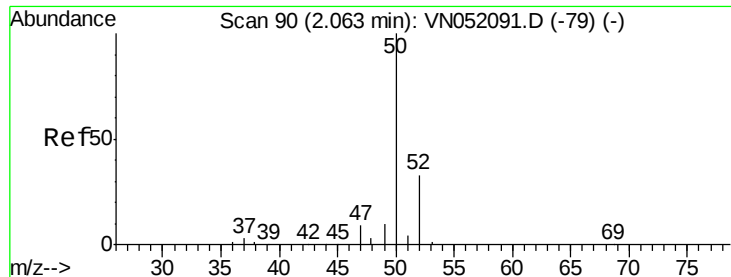
#2
 Dichlorodifluoromethane
 Concen: 20.545 ug/l
 RT: 1.85 min Scan# 25
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 85 Resp: 83403
 Ion Ratio Lower Upper
 85 100
 87 31.4 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.725 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

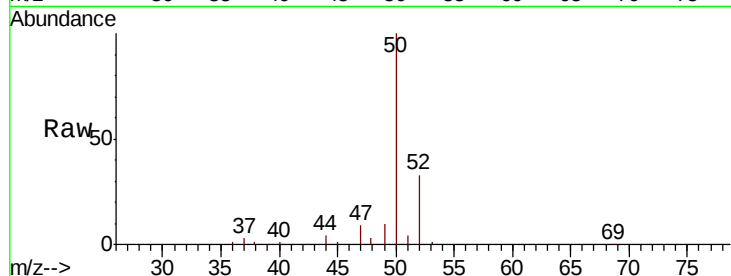
VSTDICCC020

Tgt Ion: 50 Resp: 96160

Ion Ratio Lower Upper

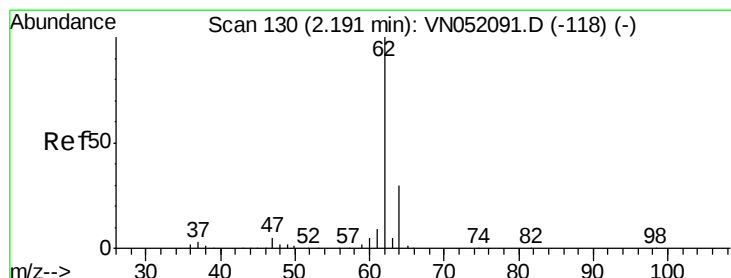
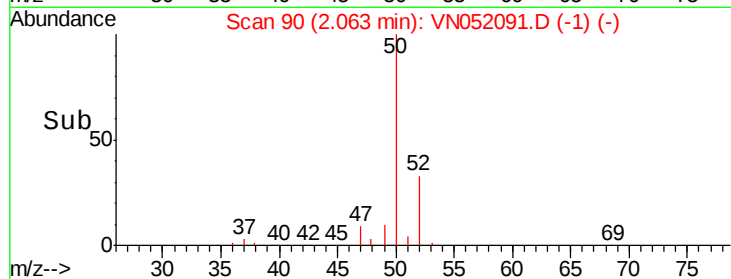
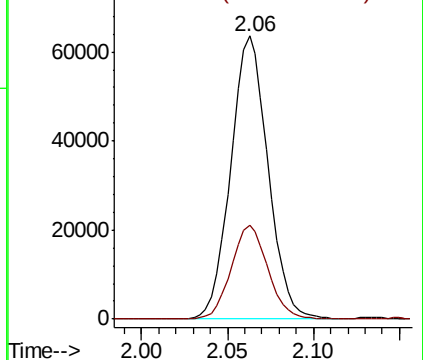
50 100

52 33.1 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 21.221 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052091.D

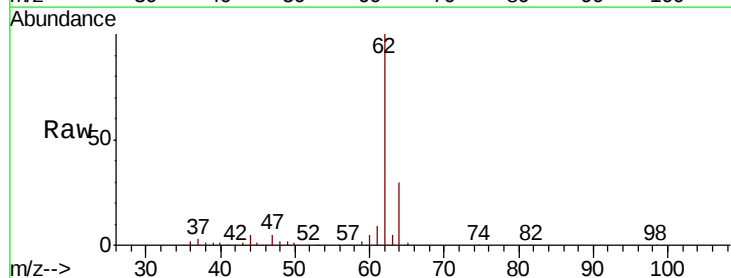
Acq: 1 Nov 2018 8:49

Tgt Ion: 62 Resp: 96585

Ion Ratio Lower Upper

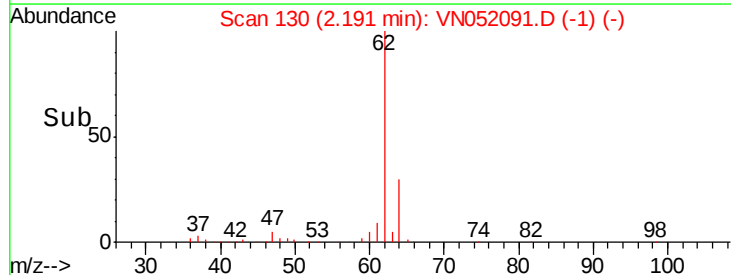
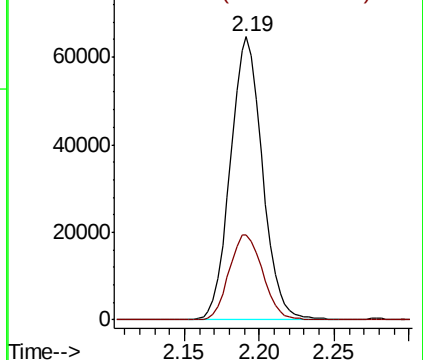
62 100

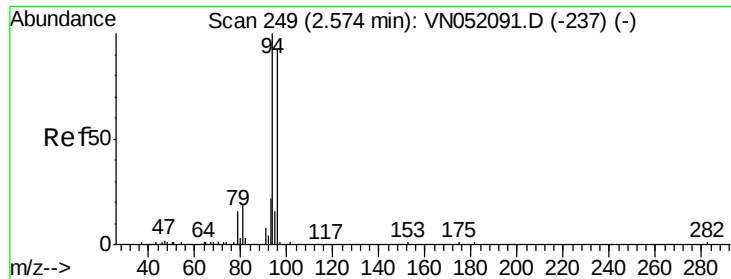
64 30.3 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 20.095 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

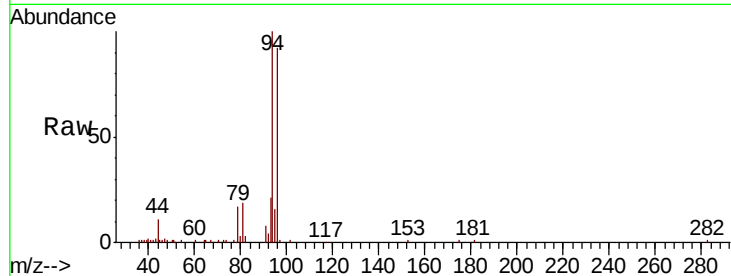
VSTDICCC020

Tgt Ion: 94 Resp: 62428

Ion Ratio Lower Upper

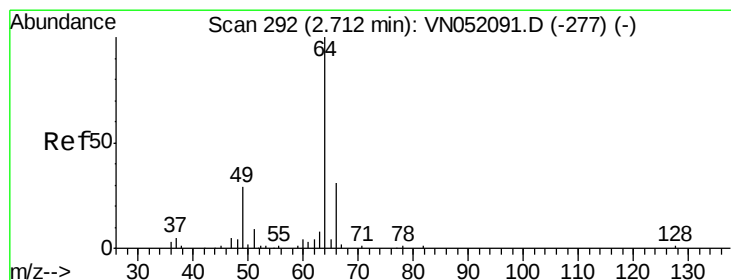
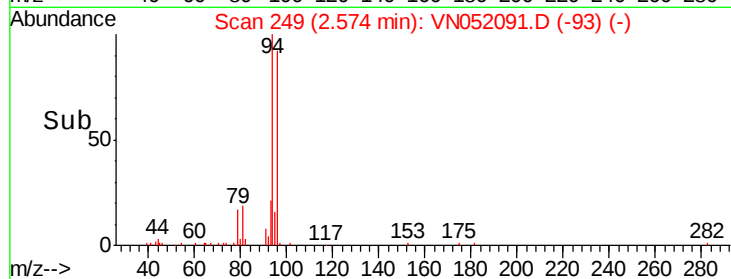
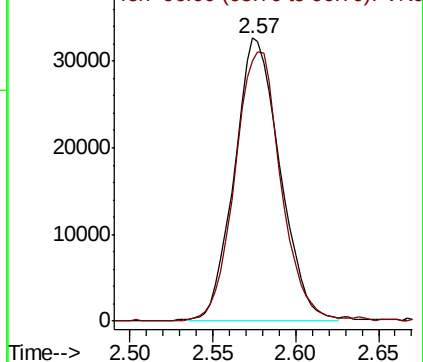
94 100

96 91.7 73.4 110.0



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.435 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052091.D

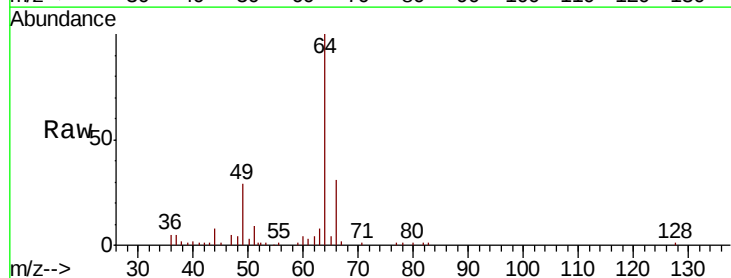
Acq: 1 Nov 2018 8:49

Tgt Ion: 64 Resp: 59472

Ion Ratio Lower Upper

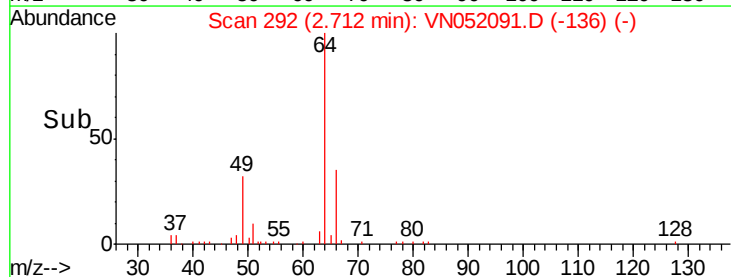
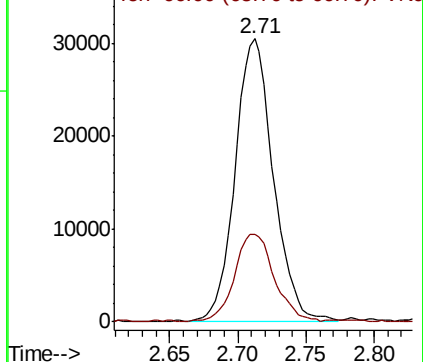
64 100

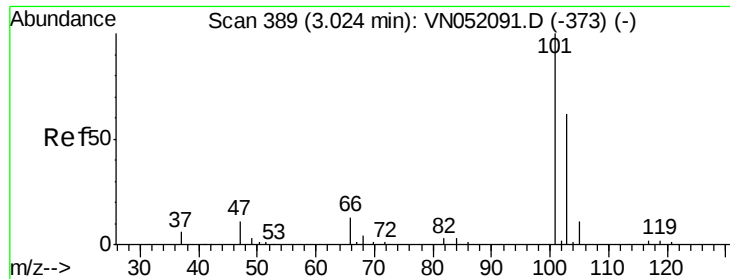
66 30.9 24.7 37.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



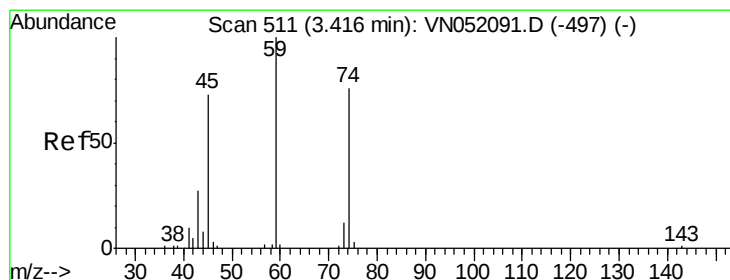
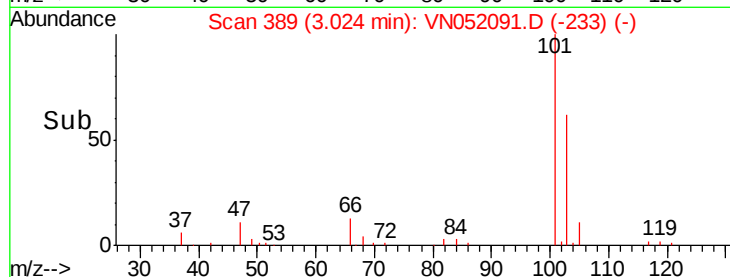
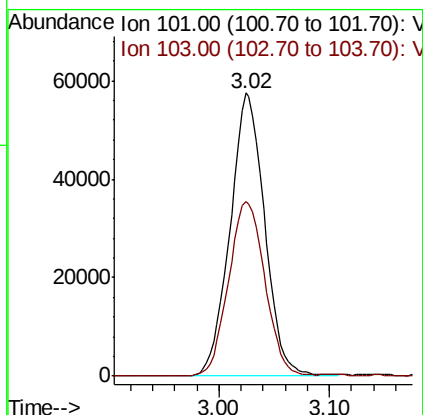
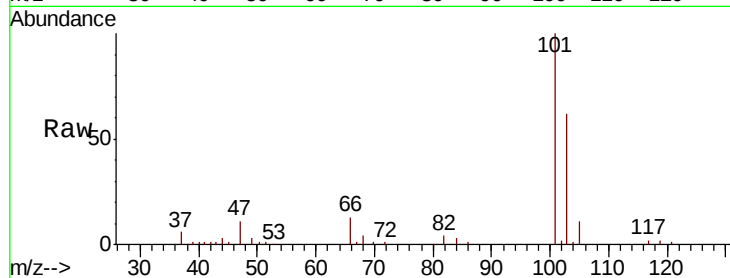


#7

Trichlorofluoromethane
Concen: 20.297 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
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VSTDICCC020

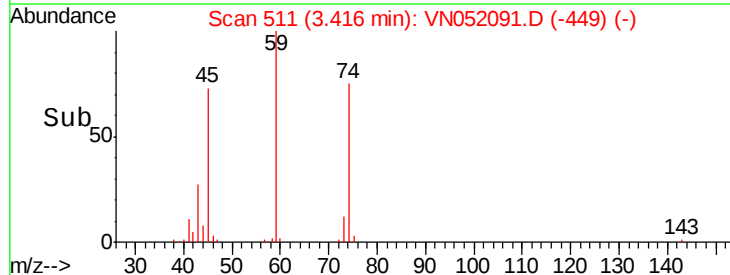
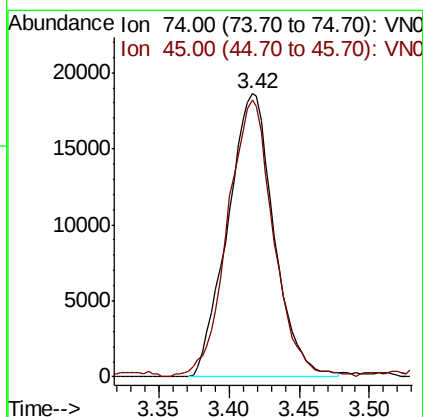
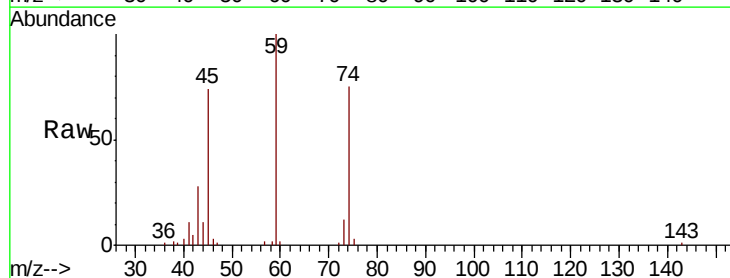
Tgt Ion:101 Resp: 125099
Ion Ratio Lower Upper
101 100
103 61.9 49.5 74.3

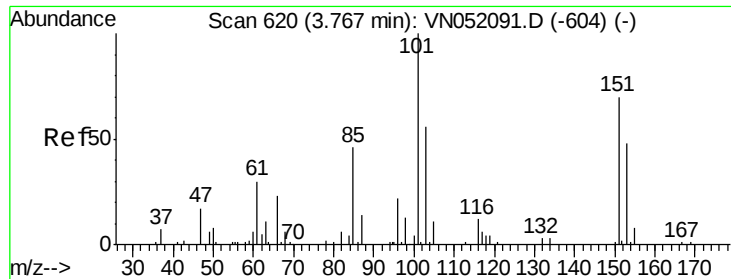


#8

Diethyl Ether
Concen: 20.546 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion: 74 Resp: 42759
Ion Ratio Lower Upper
74 100
45 96.9 19.4 174.4

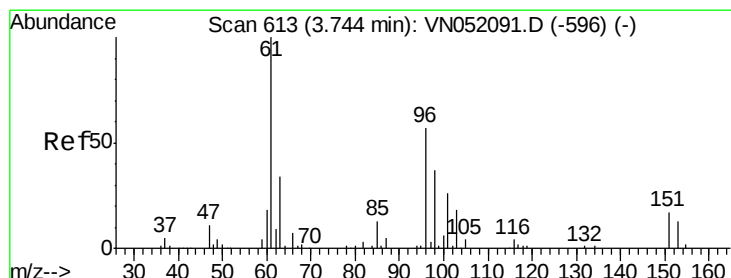
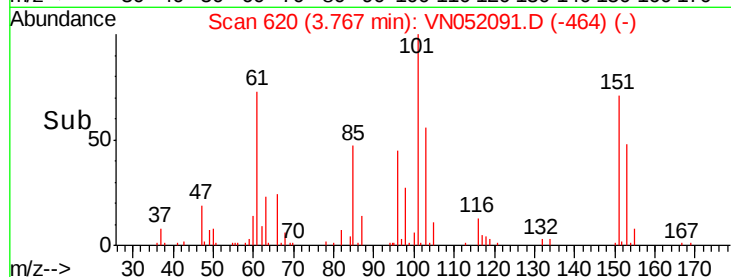
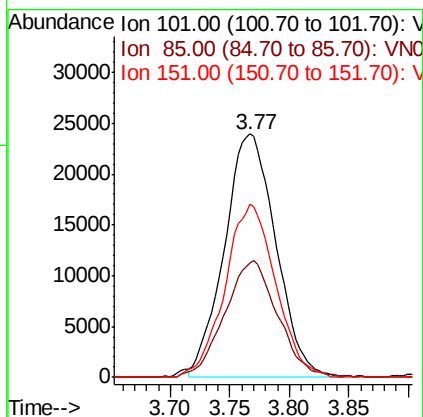
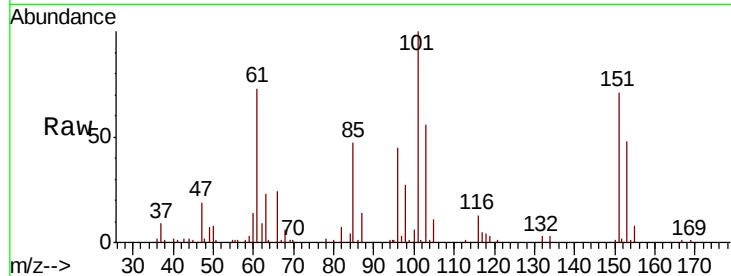




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.926 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052091.D
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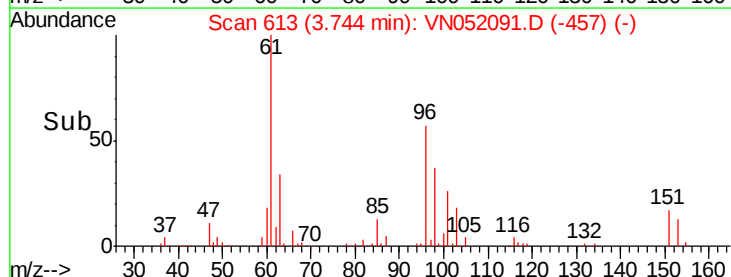
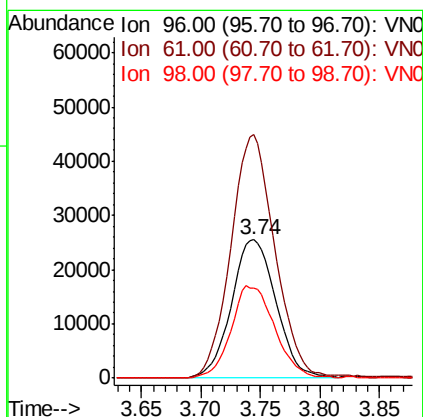
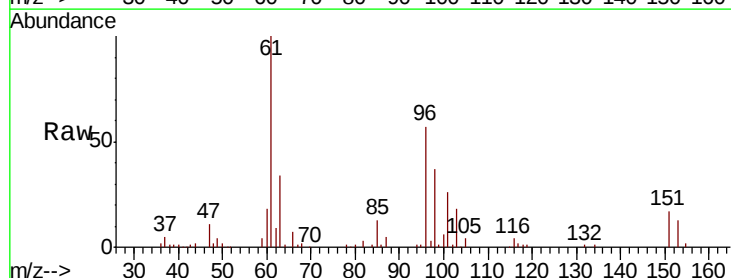
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

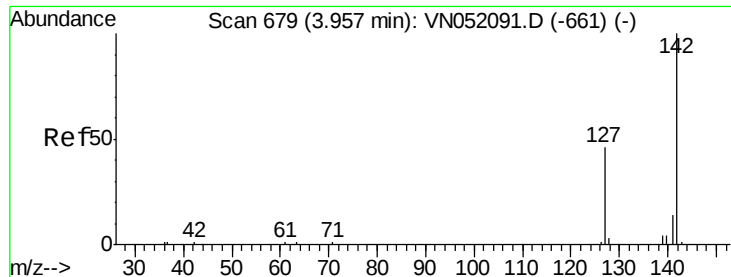
Tgt Ion: 101 Resp: 71782
 Ion Ratio Lower Upper
 101 100
 85 49.0 0.0 98.0
 151 69.8 0.0 139.6



#10
 1,1-Dichloroethene
 Concen: 19.679 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 96 Resp: 66147
 Ion Ratio Lower Upper
 96 100
 61 175.4 140.3 210.5
 98 65.0 52.0 78.0

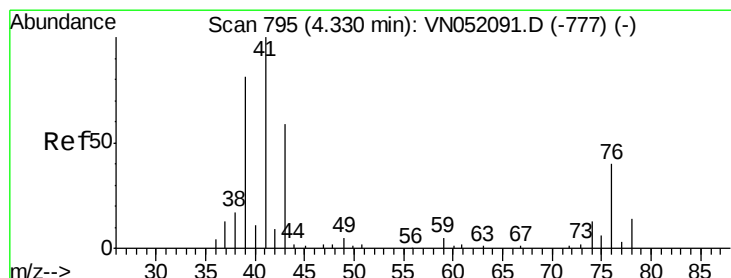
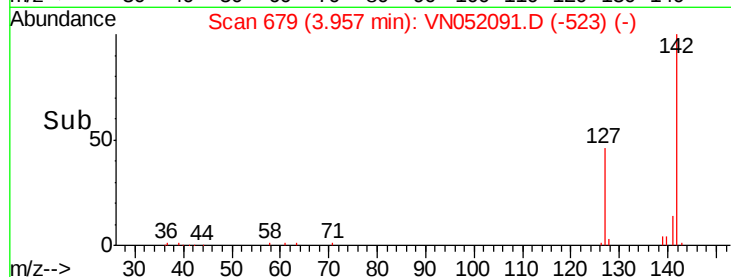
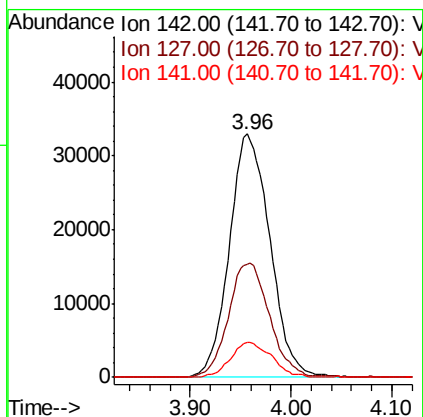
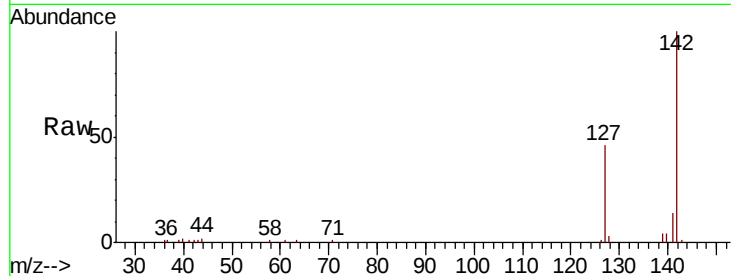




#11
Methyl Iodide
Concen: 18.953 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

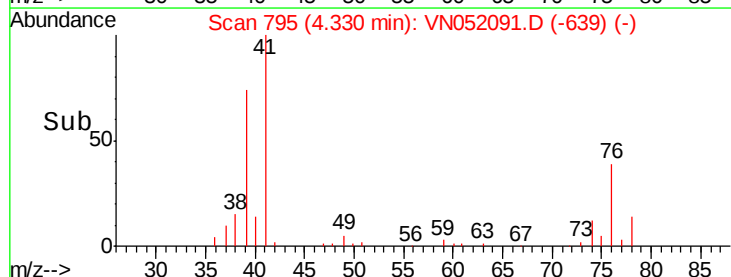
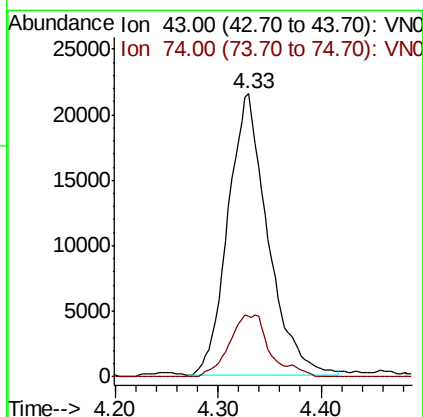
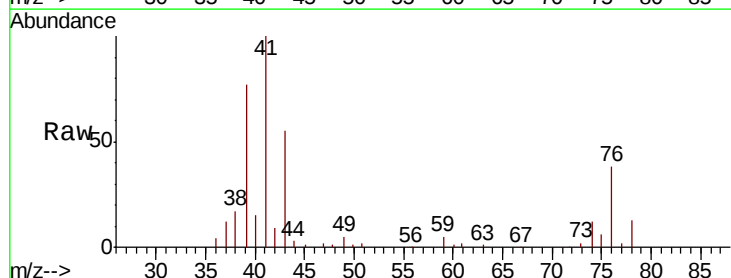
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

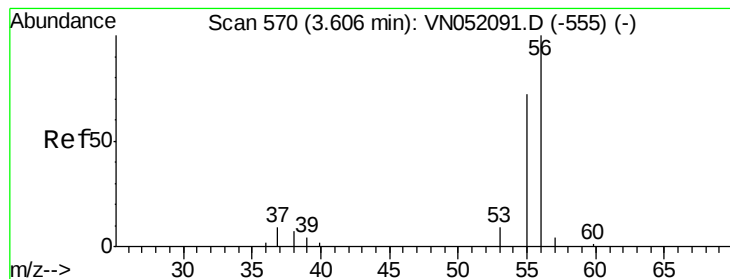
Tgt Ion:142 Resp: 92110
Ion Ratio Lower Upper
142 100
127 46.1 23.1 69.2
141 13.9 7.0 20.9



#12
Methyl Acetate
Concen: 19.631 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion: 43 Resp: 57324
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.2





#13

Acrolein

Concen: 97.201 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

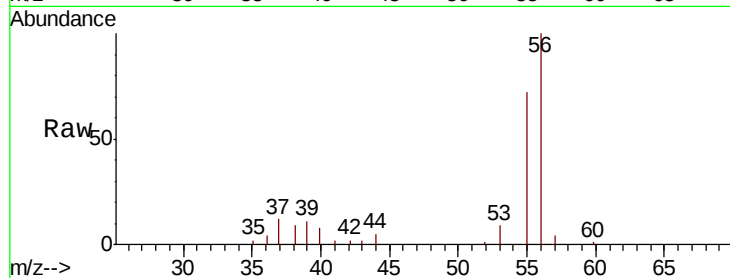
VSTDICCC020

Tgt Ion: 56 Resp: 29501

Ion Ratio Lower Upper

56 100

55 70.2 56.2 84.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

4000

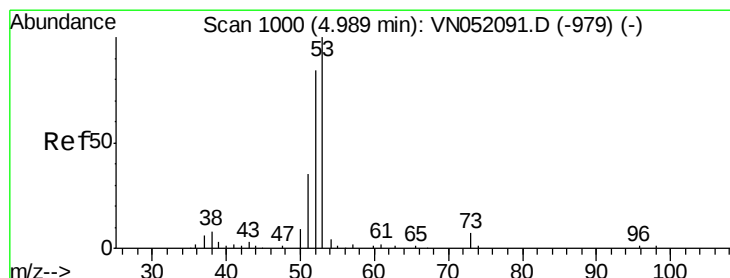
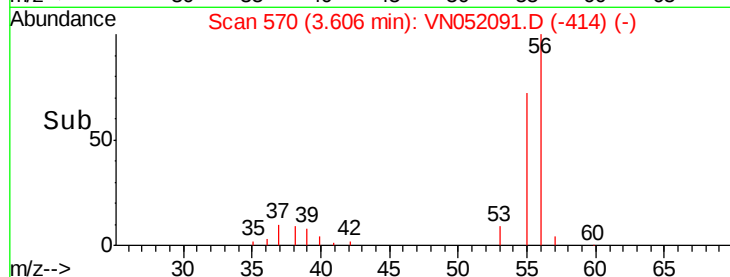
2000

0

Time-->

3.55 3.60 3.65 3.70

3.61



#14

Acrylonitrile

Concen: 103.092 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

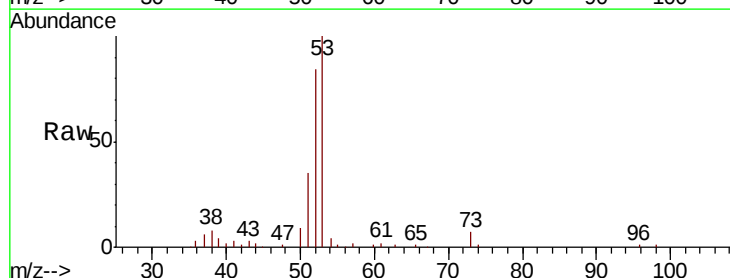
Tgt Ion: 53 Resp: 129346

Ion Ratio Lower Upper

53 100

52 82.7 41.3 124.1

51 37.1 18.6 55.6



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

50000

40000

30000

20000

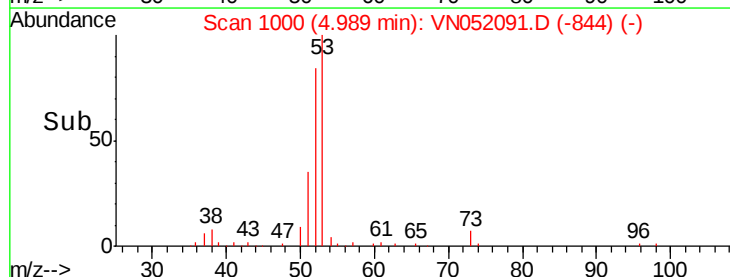
10000

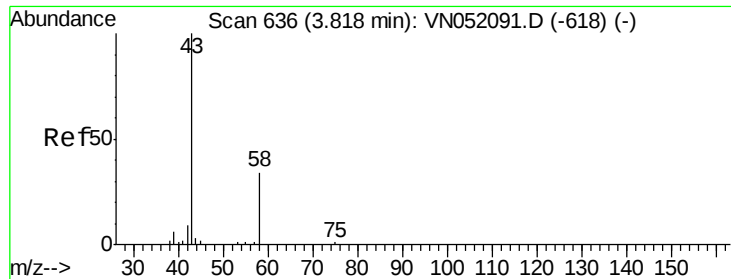
0

Time-->

4.90 5.00 5.10

4.99





#15

Acetone

Concen: 105.272 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

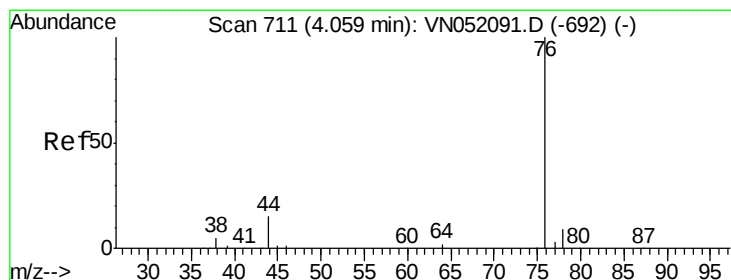
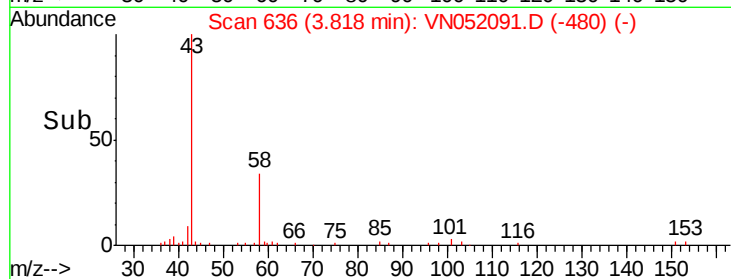
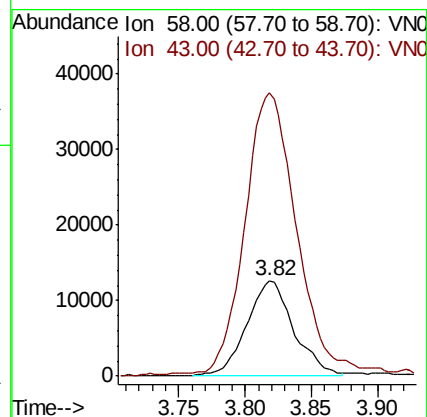
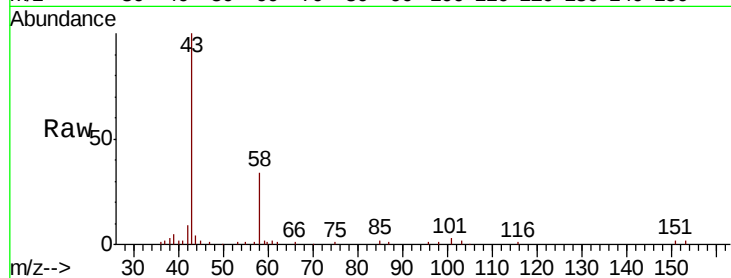
VSTDICCC020

Tgt Ion: 58 Resp: 31217

Ion Ratio Lower Upper

58 100

43 293.4 234.7 352.1



#16

Carbon Disulfide

Concen: 19.420 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052091.D

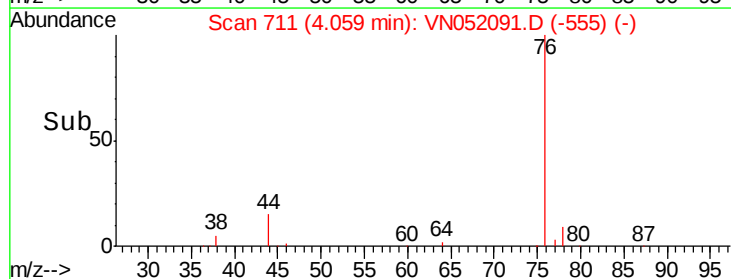
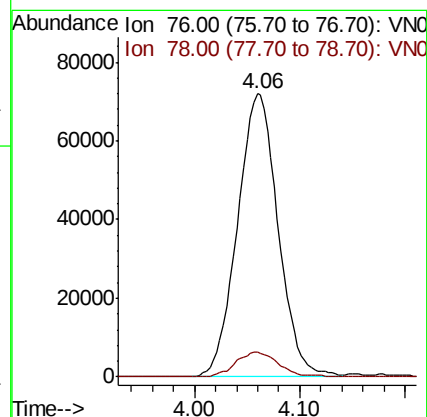
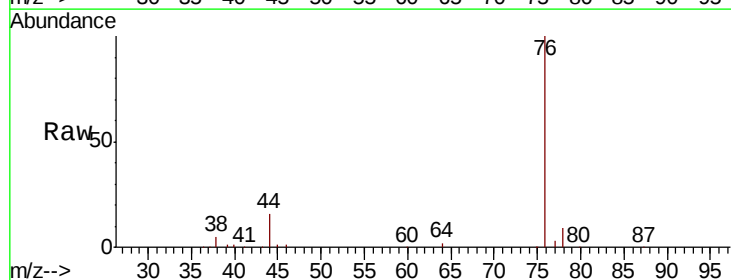
Acq: 1 Nov 2018 8:49

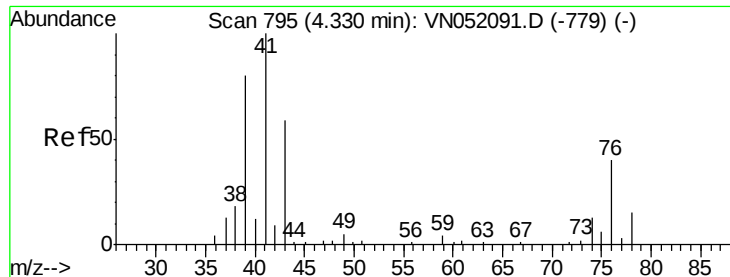
Tgt Ion: 76 Resp: 192747

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

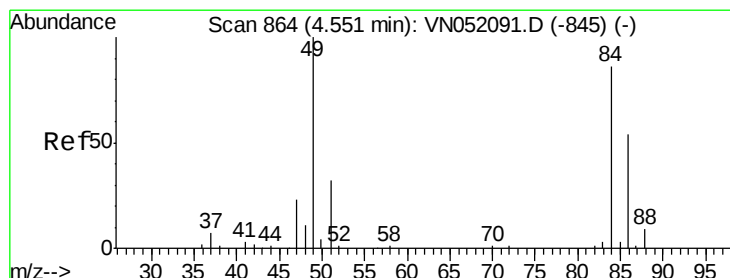
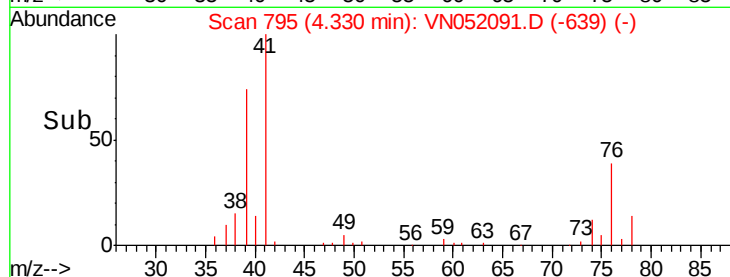
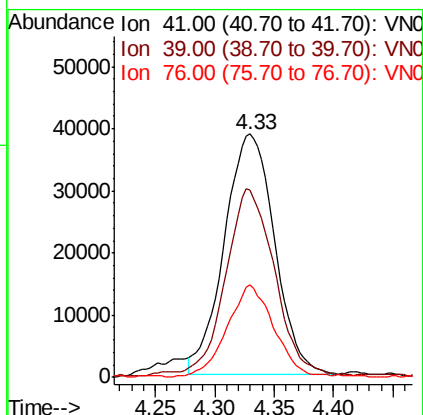
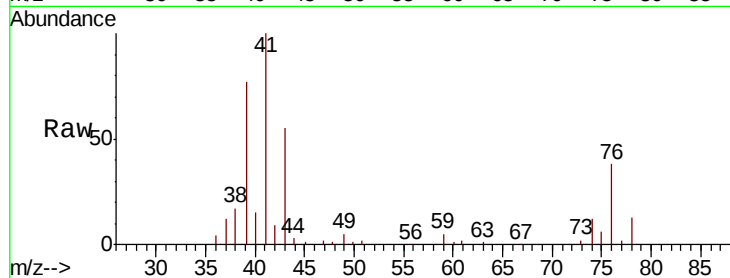




#17
 Allyl chloride
 Concen: 19.871 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

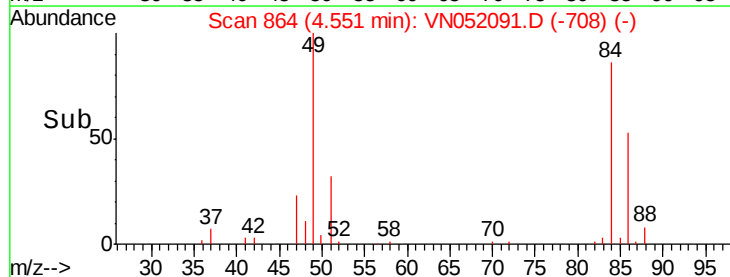
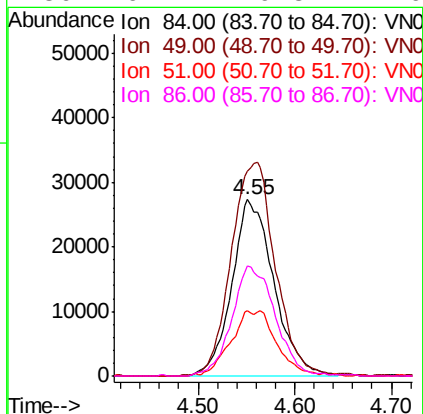
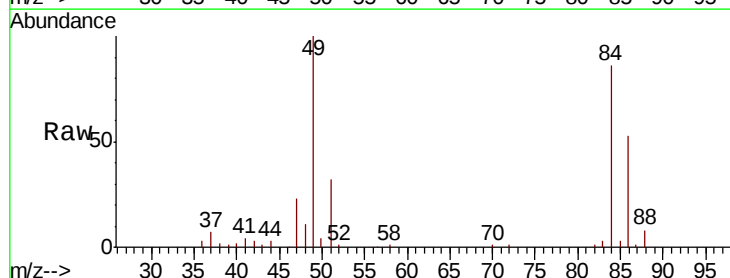
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

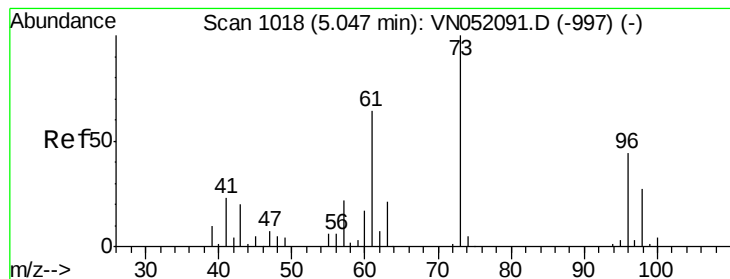
Tgt Ion: 41 Resp: 113408
 Ion Ratio Lower Upper
 41 100
 39 76.7 38.4 115.1
 76 37.5 18.8 56.3



#18
 Methylene Chloride
 Concen: 19.941 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 84 Resp: 82733
 Ion Ratio Lower Upper
 84 100
 49 115.7 92.6 138.8
 51 37.1 29.7 44.5
 86 62.2 49.8 74.6





#19

trans-1,2-Dichloroethene

Concen: 20.003 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

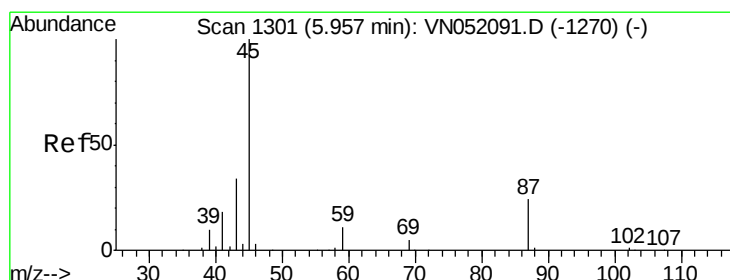
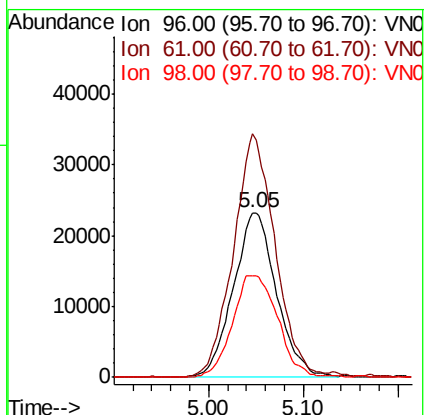
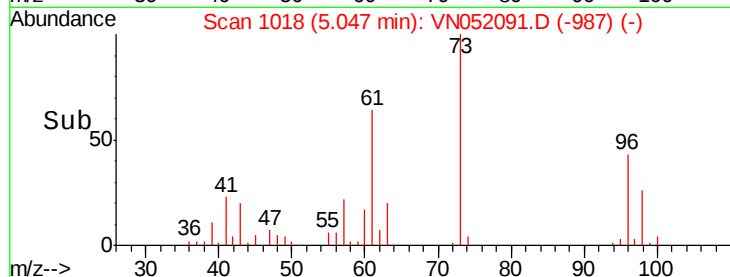
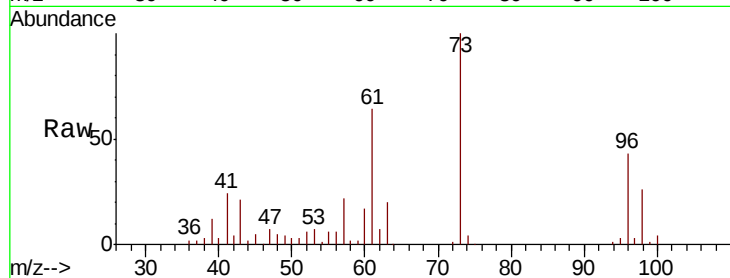
Tgt Ion: 96 Resp: 73669

Ion Ratio Lower Upper

96 100

61 147.2 117.8 176.6

98 61.6 49.3 73.9



#20

Diisopropyl ether

Concen: 20.346 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Tgt Ion: 45 Resp: 252471

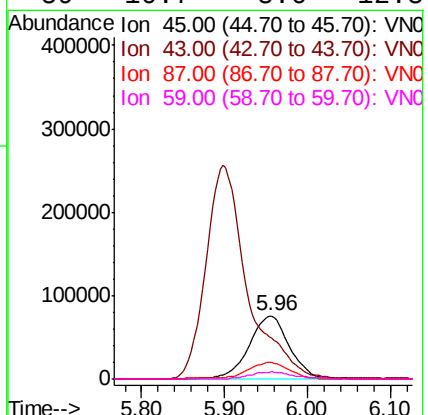
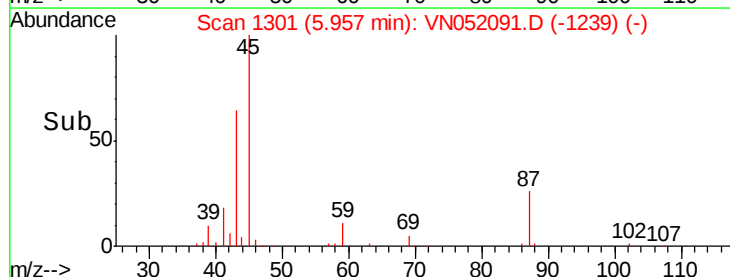
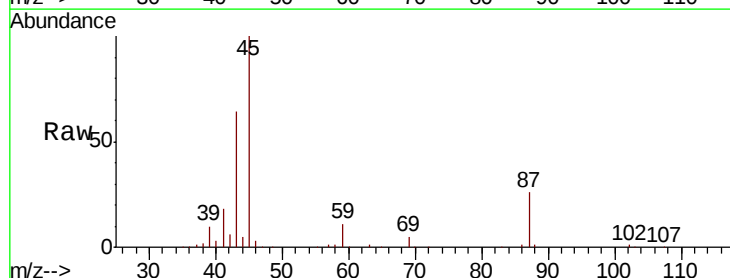
Ion Ratio Lower Upper

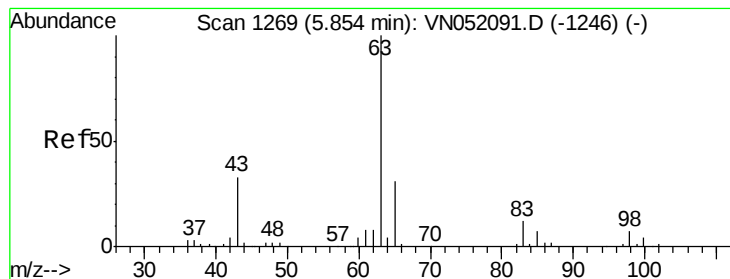
45 100

43 61.7 49.4 74.0

87 25.4 20.3 30.5

59 10.7 8.6 12.8





#21

1,1-Dichloroethane

Concen: 20.514 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

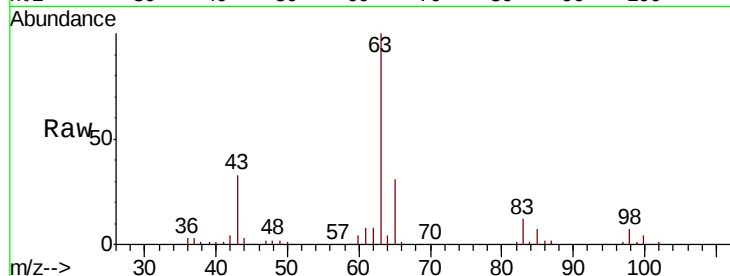
Tgt Ion: 63 Resp: 148678

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 3.9 2.0 5.8

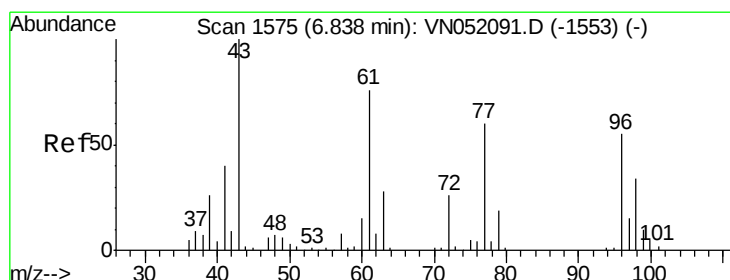
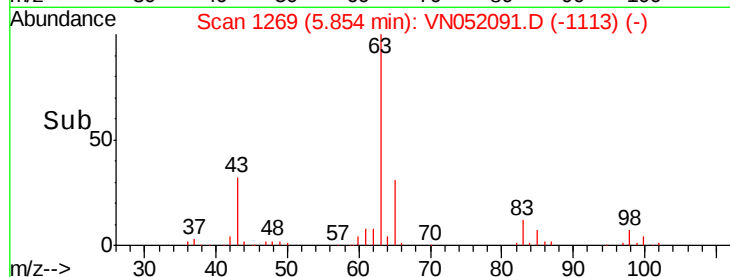


Abundance Ion 63.00 (62.70 to 63.70): VN052091.D (-1246) (-)

Ion 98.00 (97.70 to 98.70): VN052091.D (-1246) (-)

Ion 100.00 (99.70 to 100.70): VN052091.D (-1246) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 20.326 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

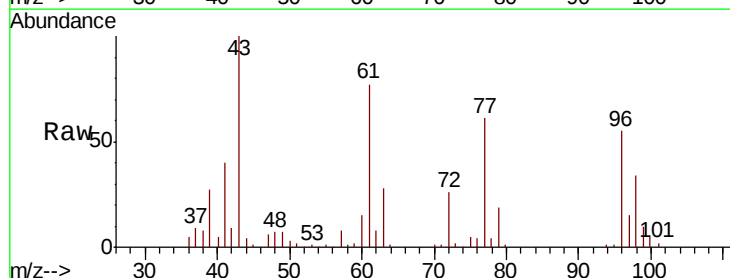
Tgt Ion: 96 Resp: 87414

Ion Ratio Lower Upper

96 100

61 147.0 117.6 176.4

98 63.7 51.0 76.4

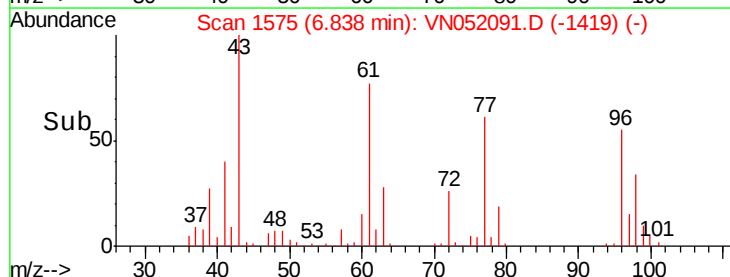


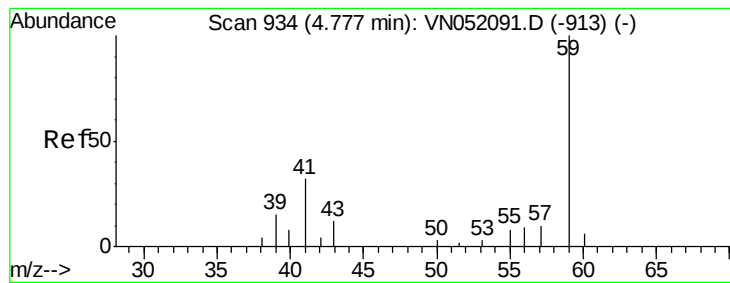
Abundance Ion 96.00 (95.70 to 96.70): VN052091.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN052091.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN052091.D (-1553) (-)

Time-->



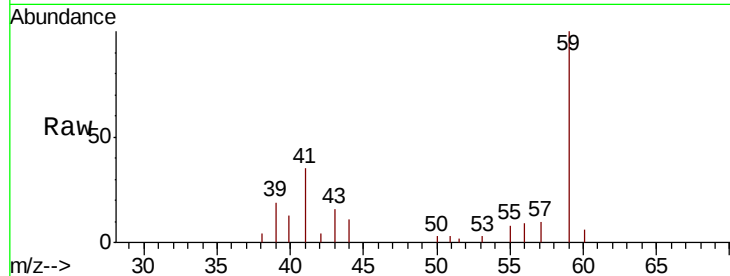


#23

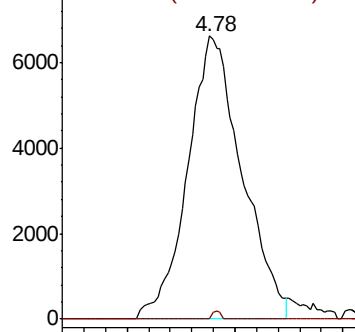
tert-Butyl Alcohol
 Concen: 117.146 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

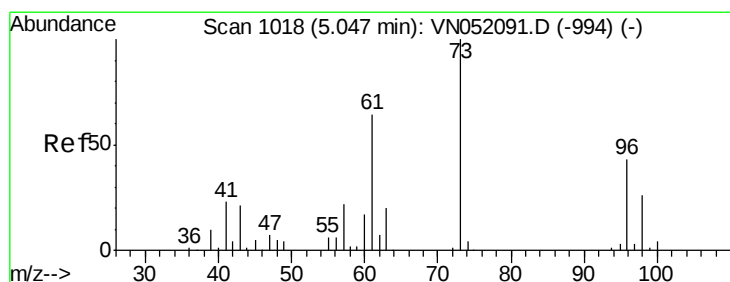
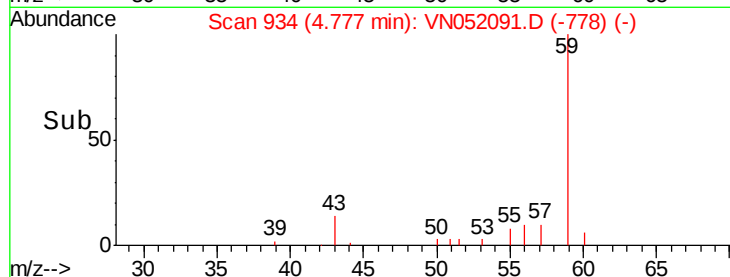
Tgt Ion: 59 Resp: 23189
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.3 0.5



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



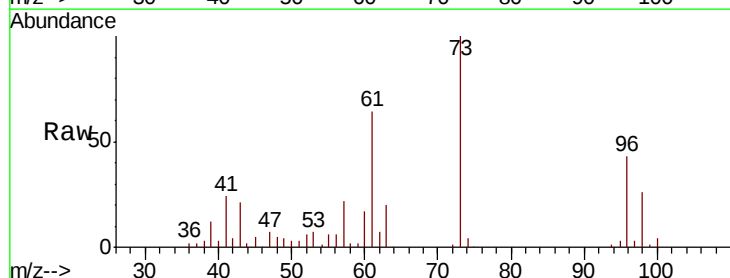
Time-->



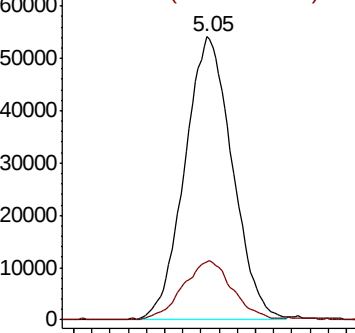
#24

Methyl tert-Butyl Ether
 Concen: 20.631 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

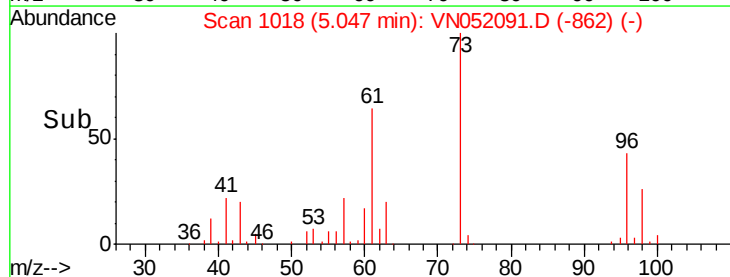
Tgt Ion: 73 Resp: 196604
 Ion Ratio Lower Upper
 73 100
 43 21.8 17.4 26.2

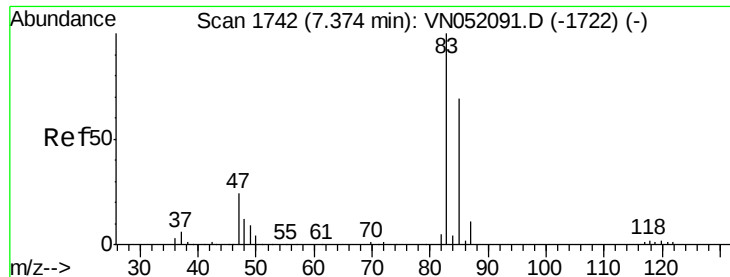


Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0



Time-->

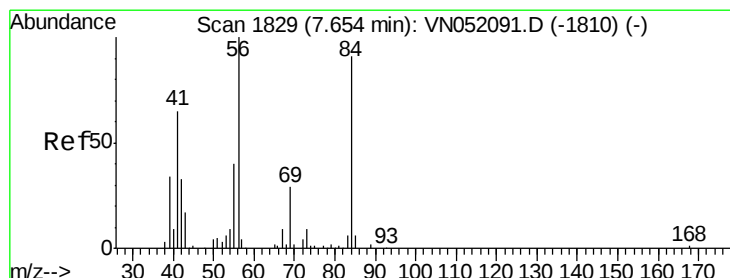
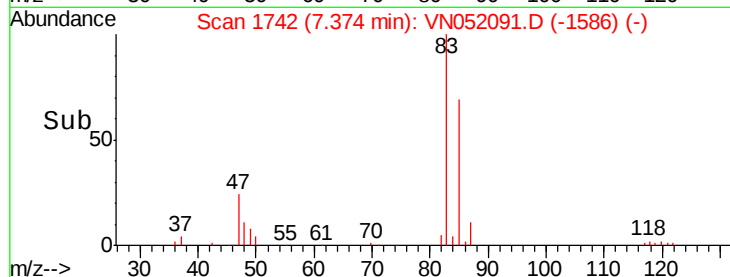
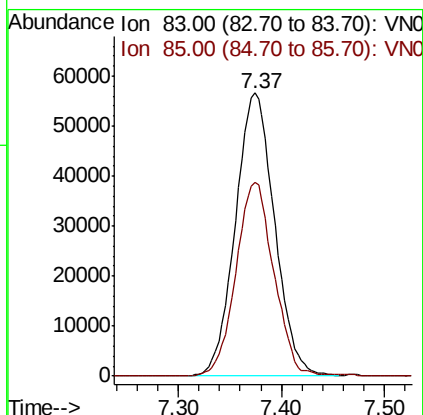
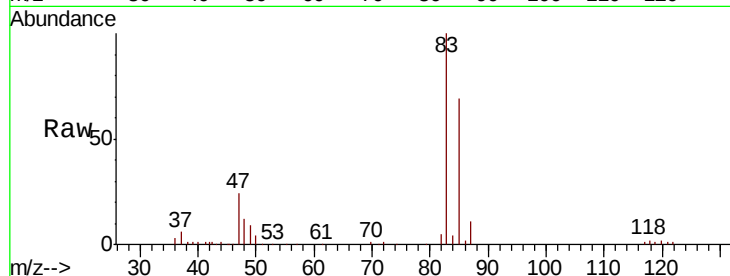




#25
Chloroform
Concen: 20.581 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

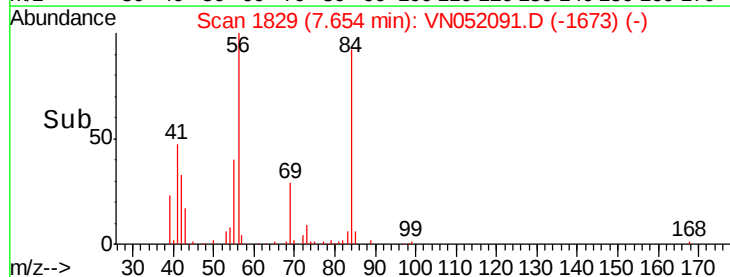
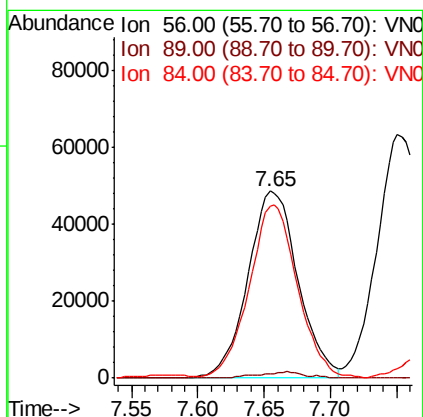
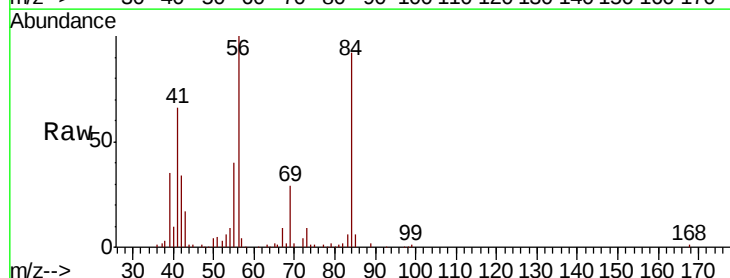
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

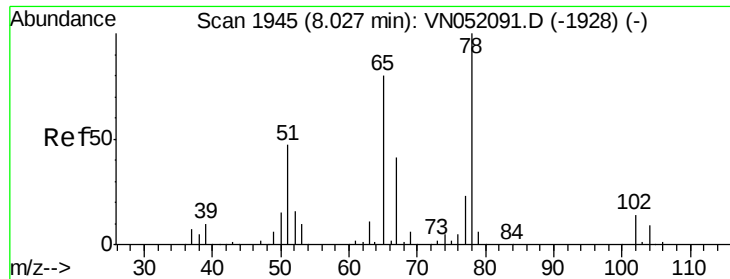
Tgt Ion: 83 Resp: 149778
Ion Ratio Lower Upper
83 100
85 68.6 54.9 82.3



#26
Cyclohexane
Concen: 19.752 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion: 56 Resp: 128331
Ion Ratio Lower Upper
56 100
89 2.7 2.2 3.2
84 88.8 71.0 106.6

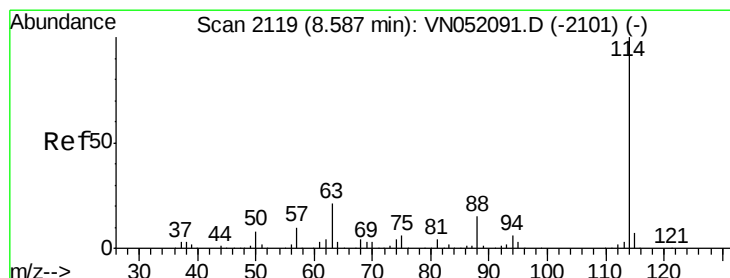
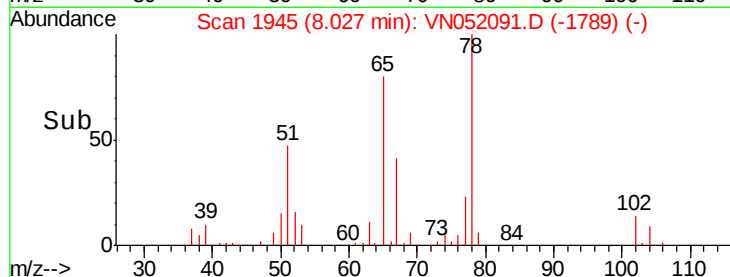
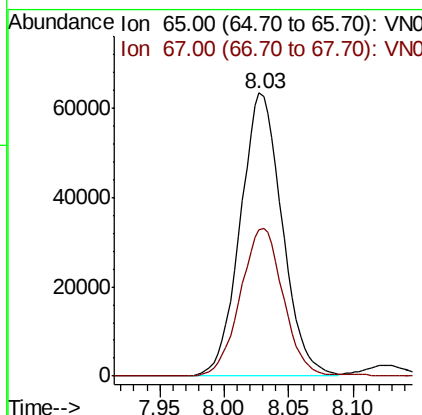
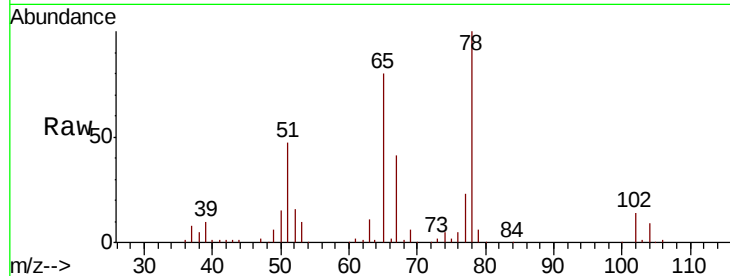




#27
 1,2-Dichloroethane-d4
 Concen: 19.752 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

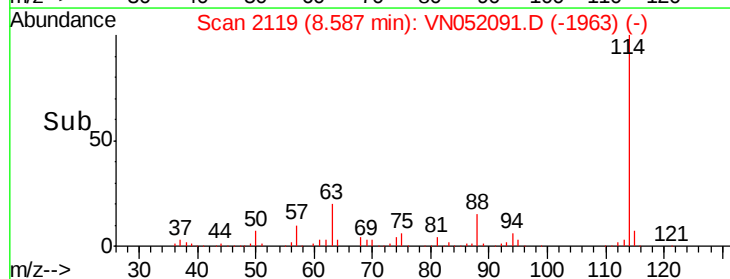
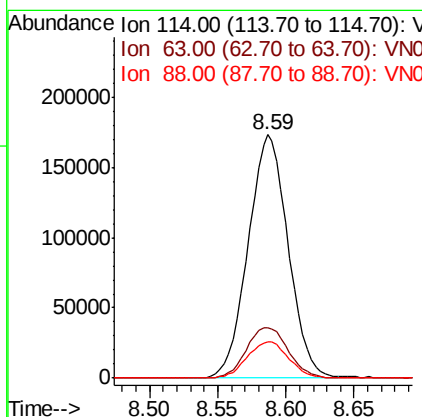
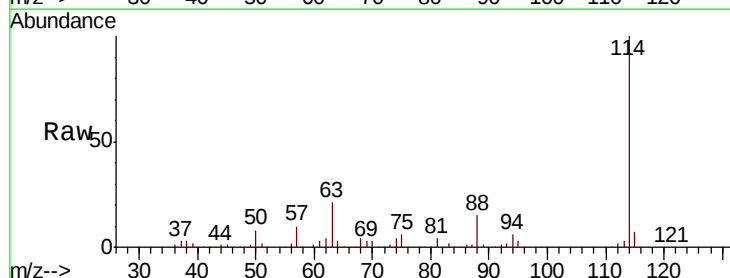
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

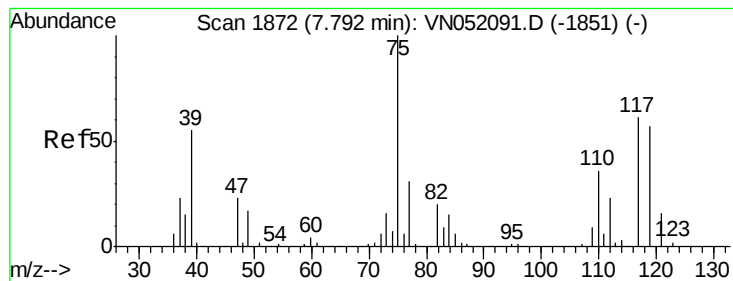
Tgt Ion: 65 Resp: 143361
 Ion Ratio Lower Upper
 65 100
 67 53.3 42.6 64.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 114 Resp: 351493
 Ion Ratio Lower Upper
 114 100
 63 21.9 17.5 26.3
 88 15.7 12.6 18.8





#29

1,1-Dichloropropene

Concen: 20.459 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

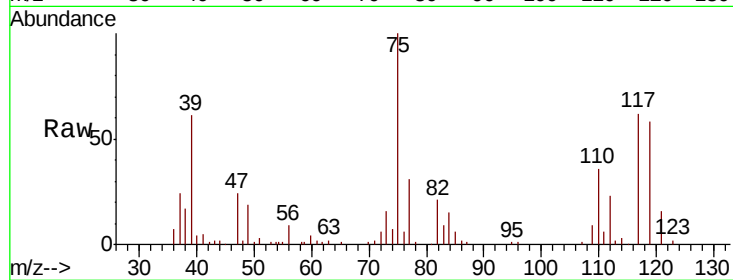
Tgt Ion: 75 Resp: 114170

Ion Ratio Lower Upper

75 100

110 33.8 0.0 67.6

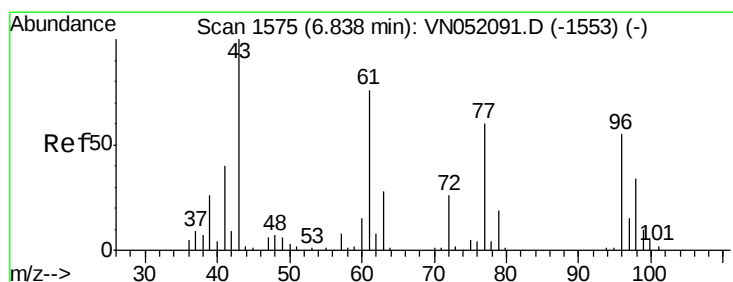
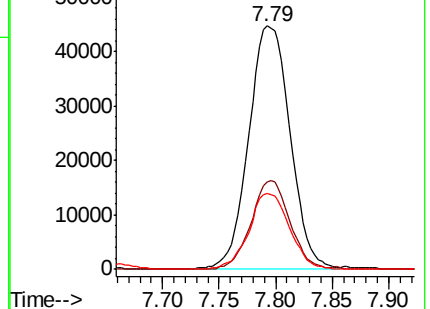
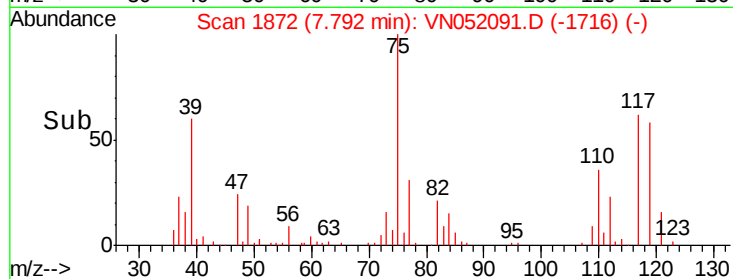
77 30.1 0.0 60.2



Abundance Ion 75.00 (74.70 to 75.70): VN052091.D (-1851) (-)

Ion 110.00 (109.70 to 110.70): VN052091.D (-1851) (-)

Ion 77.00 (76.70 to 77.70): VN052091.D (-1851) (-)



#30

2-Butanone

Concen: 106.258 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

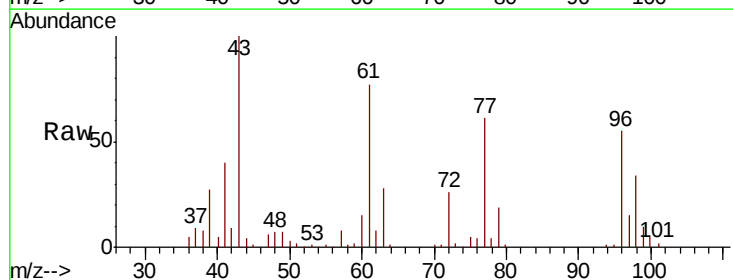
Tgt Ion: 43 Resp: 157912

Ion Ratio Lower Upper

43 100

57 8.2 6.6 9.8

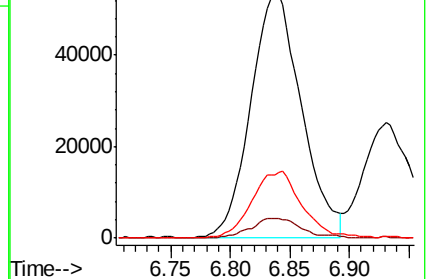
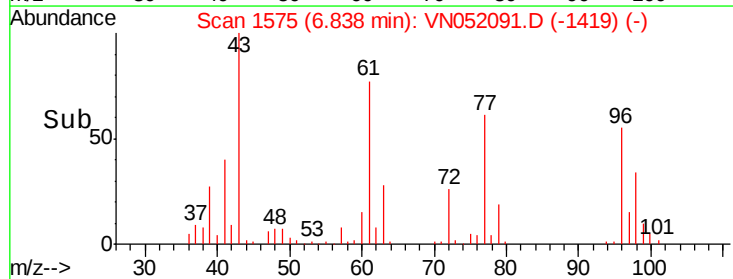
72 11.5 9.2 13.8

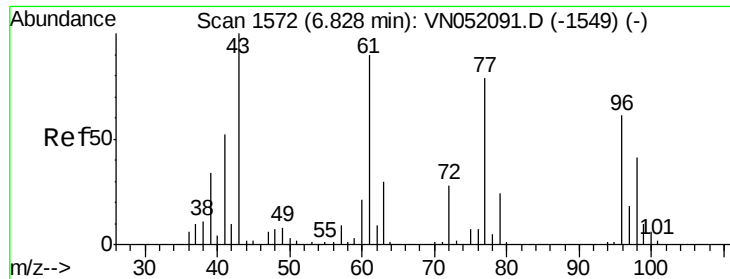


Abundance Ion 43.00 (42.70 to 43.70): VN052091.D (-1553) (-)

Ion 57.00 (56.70 to 57.70): VN052091.D (-1553) (-)

Ion 72.00 (71.70 to 72.70): VN052091.D (-1553) (-)

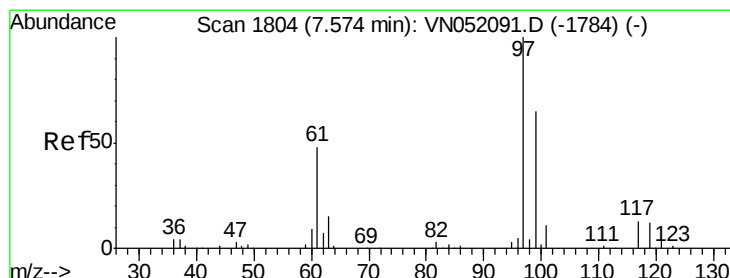
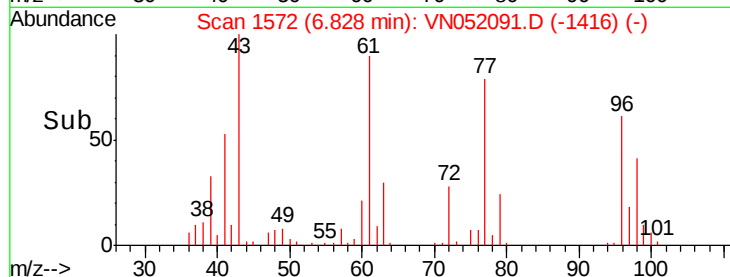
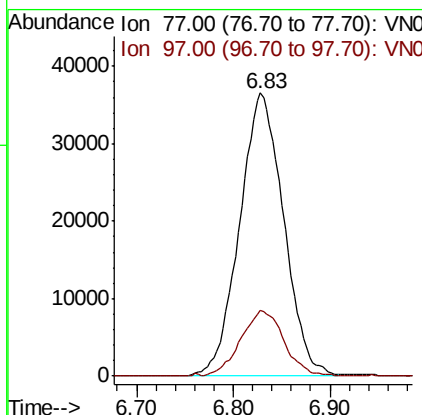
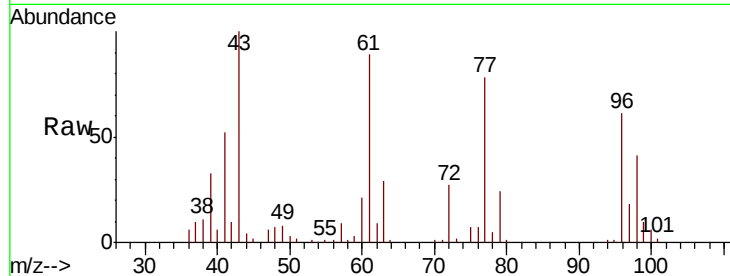




#31
 2,2-Dichloropropane
 Concen: 20.092 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

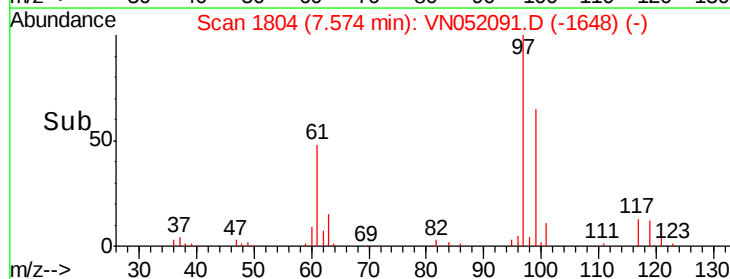
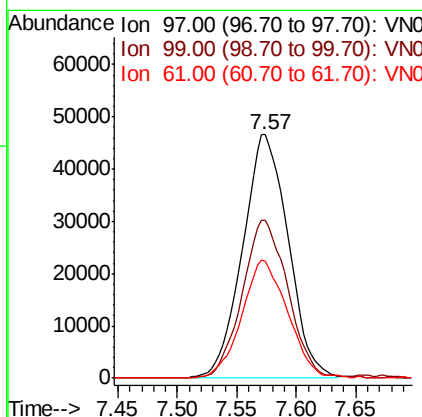
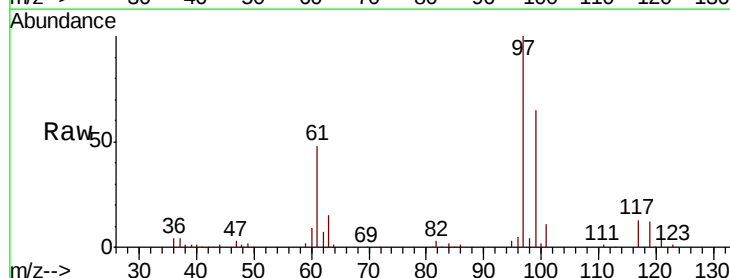
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 77 Resp: 115560
 Ion Ratio Lower Upper
 77 100
 97 22.7 18.2 27.2



#32
 1,1,1-Trichloroethane
 Concen: 19.819 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 97 Resp: 123749
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 48.4 38.7 58.1

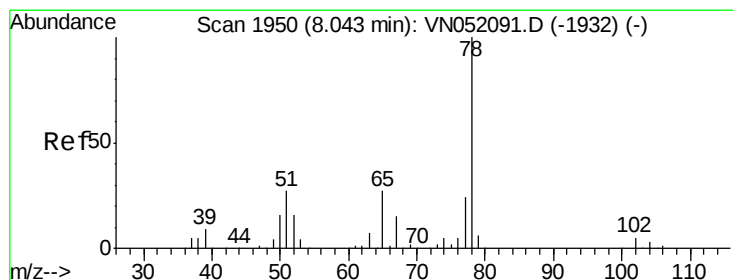
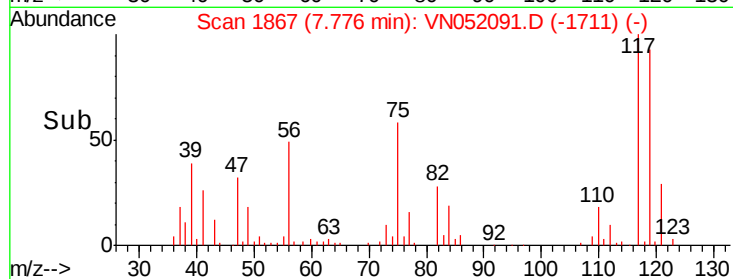
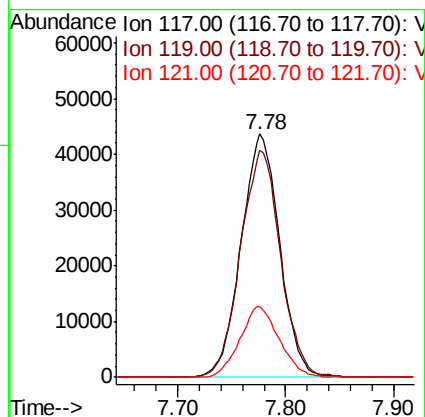
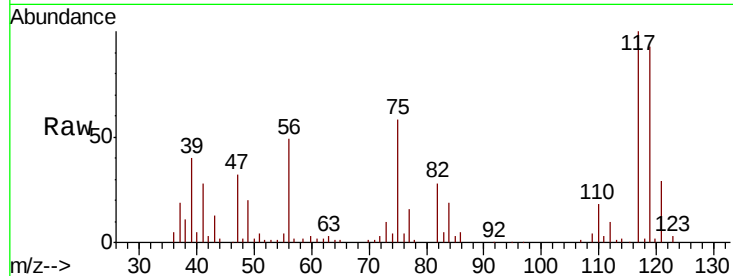




#33
Carbon Tetrachloride
Concen: 19.556 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

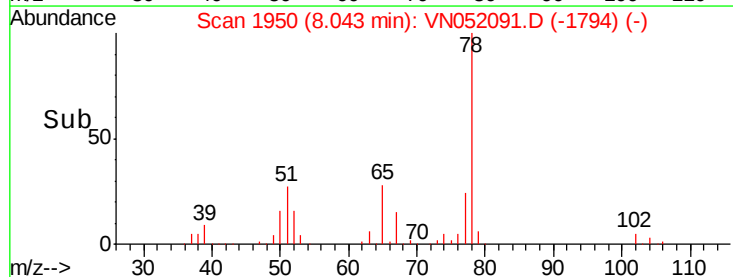
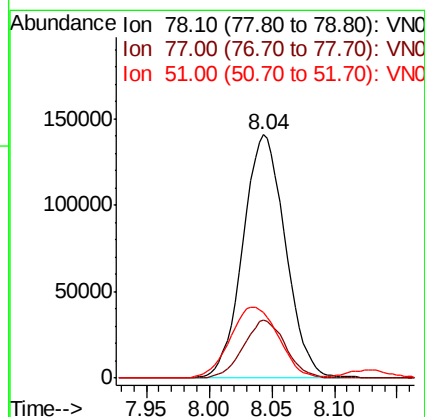
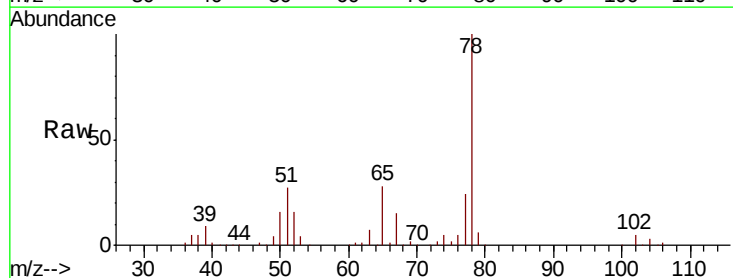
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

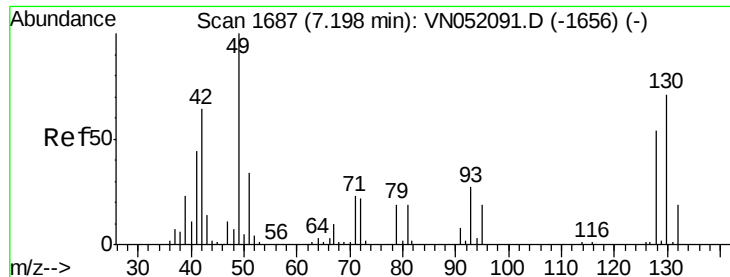
Tgt Ion: 117 Resp: 108594
Ion Ratio Lower Upper
117 100
119 93.4 74.7 112.1
121 29.2 23.4 35.0



#34
Benzene
Concen: 20.264 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion: 78 Resp: 331106
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7
51 26.5 21.2 31.8

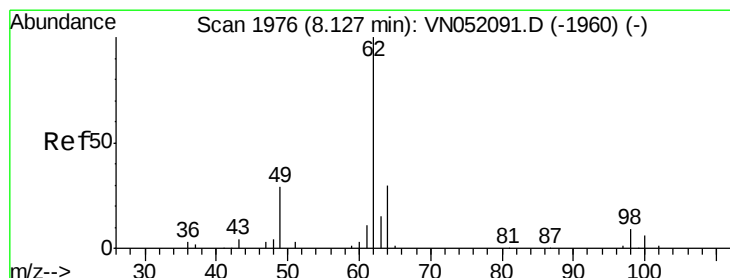
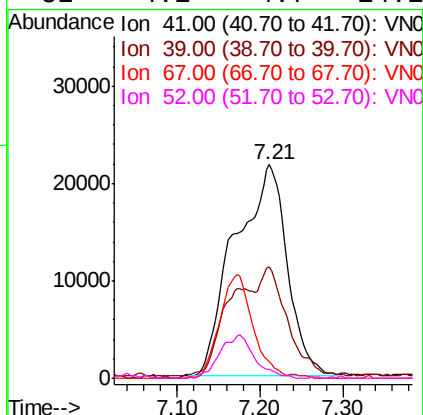
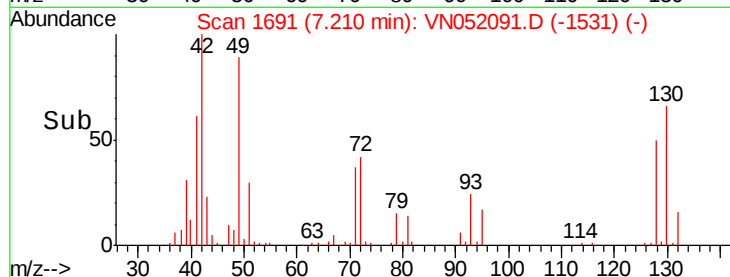
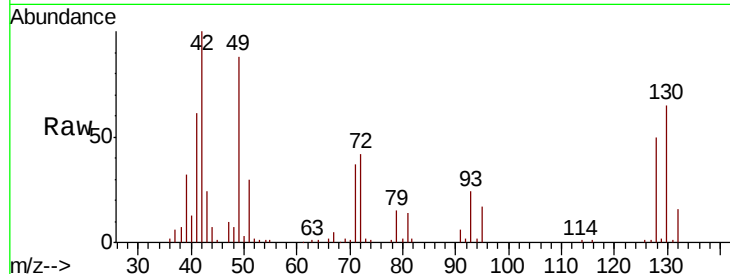




#35
Methacrylonitrile
Concen: 31.671 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

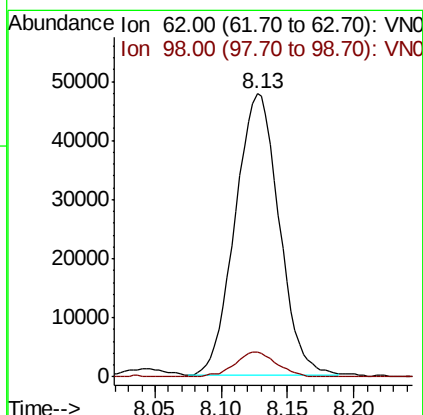
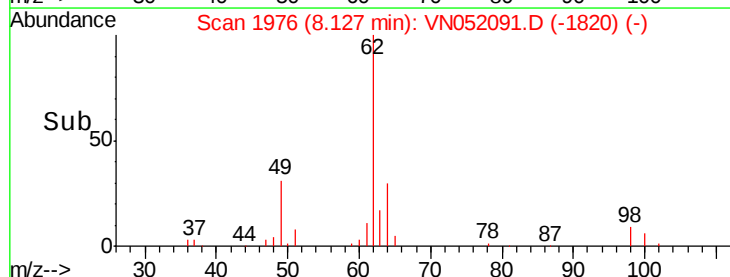
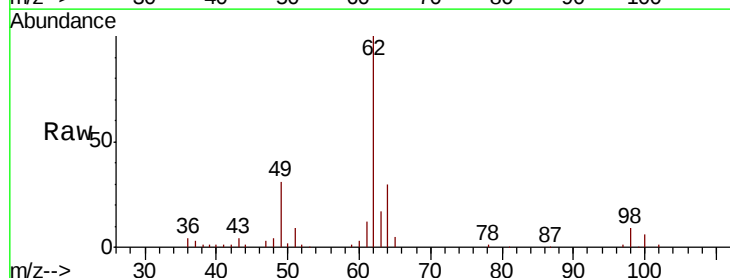
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

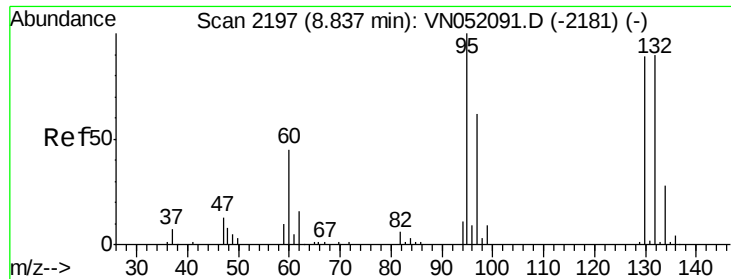
Tgt Ion: 41 Resp: 95238
Ion Ratio Lower Upper
41 100
39 51.0 26.1 78.3
67 7.9 11.0 33.0#
52 4.1 4.7 14.1#



#36
1,2-Dichloroethane
Concen: 20.170 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion: 62 Resp: 110192
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1

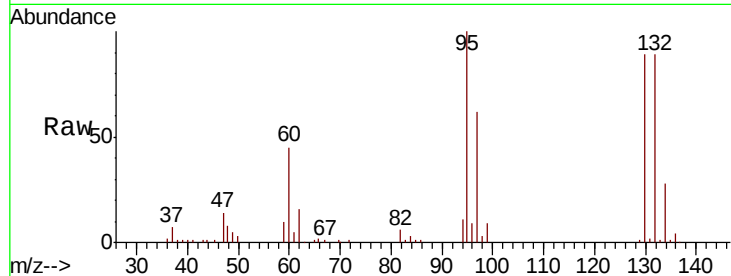




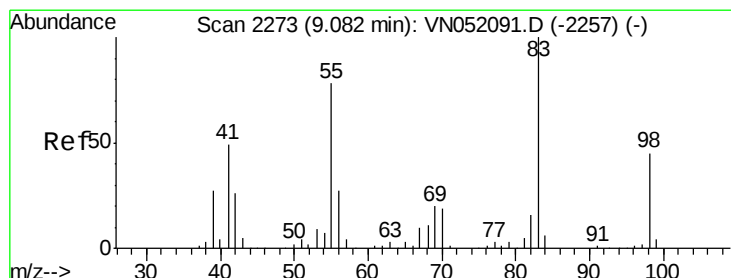
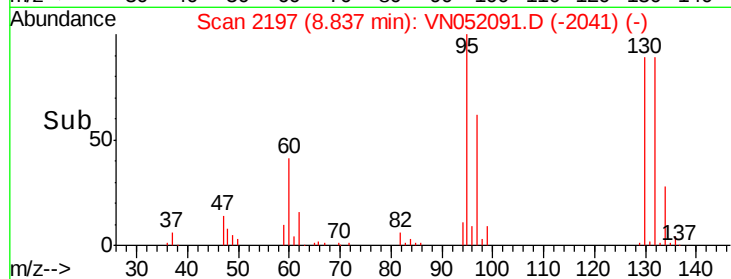
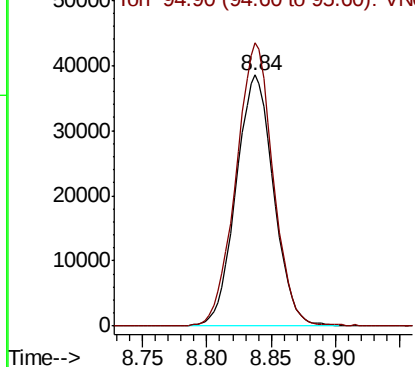
#37
 Trichloroethene
 Concen: 19.151 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 130 Resp: 78322
 Ion Ratio Lower Upper
 130 100
 95 112.4 89.9 134.9

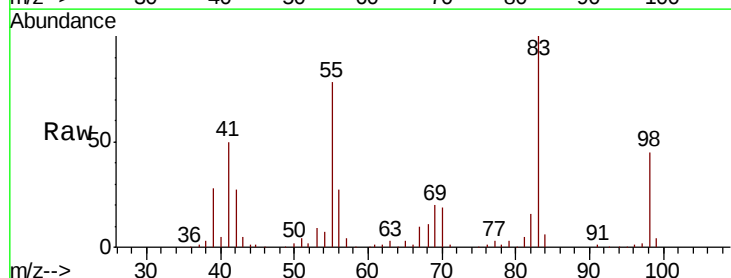


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

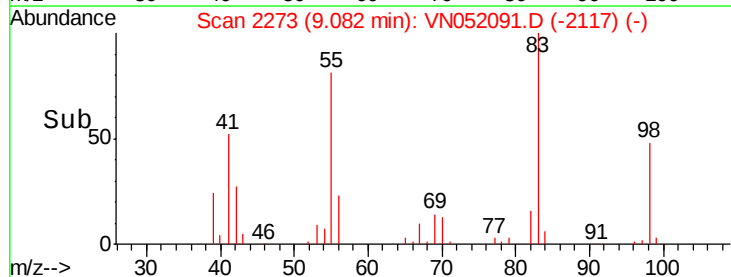
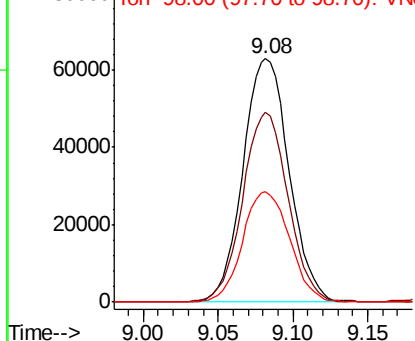


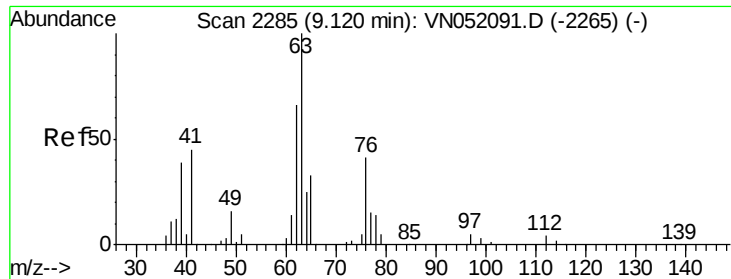
#38
 Methylcyclohexane
 Concen: 19.806 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 83 Resp: 134830
 Ion Ratio Lower Upper
 83 100
 55 76.9 38.5 115.3
 98 46.4 23.2 69.6



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

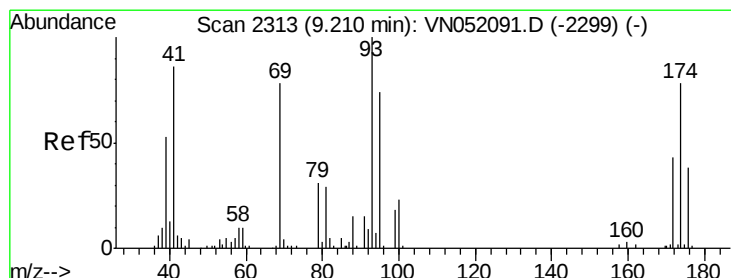
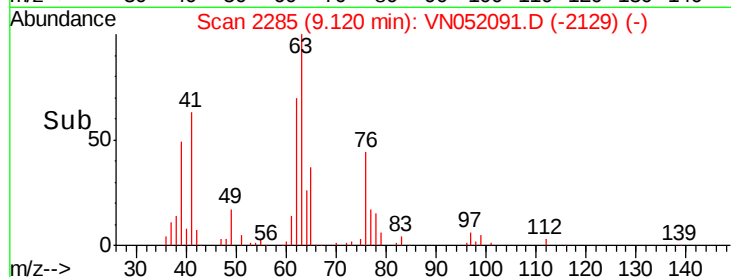
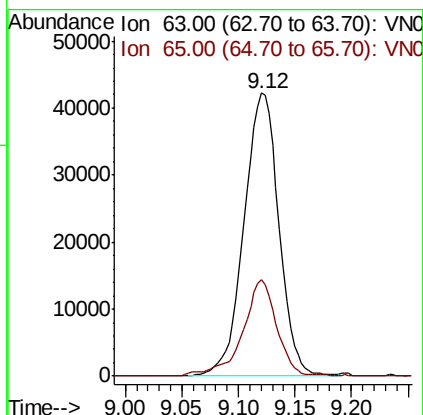
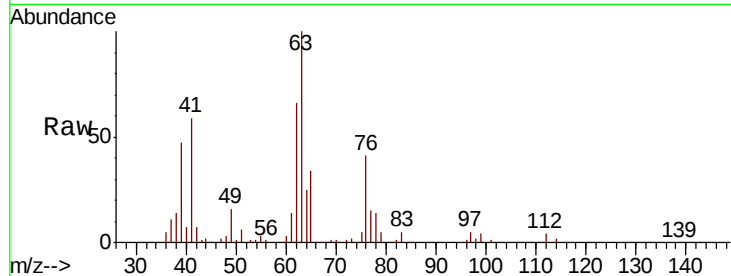




#39
 1,2-Dichloropropane
 Concen: 20.885 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

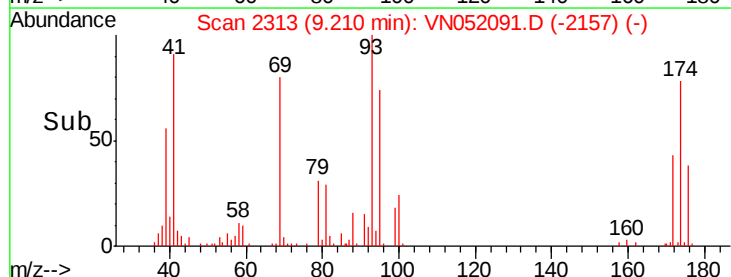
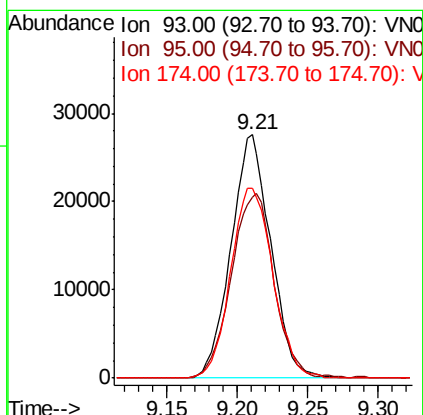
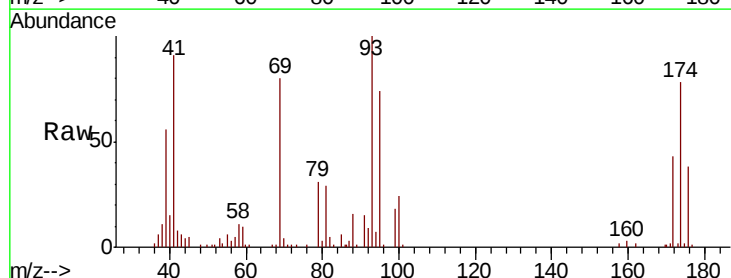
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

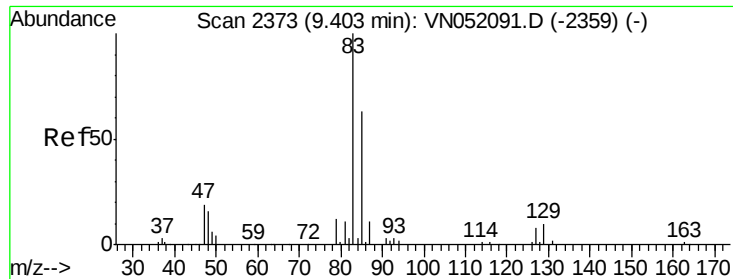
Tgt Ion: 63 Resp: 90842
 Ion Ratio Lower Upper
 63 100
 65 34.1 27.3 40.9



#40
 Dibromomethane
 Concen: 20.367 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 93 Resp: 54605
 Ion Ratio Lower Upper
 93 100
 95 80.6 0.0 161.2
 174 82.5 0.0 165.0

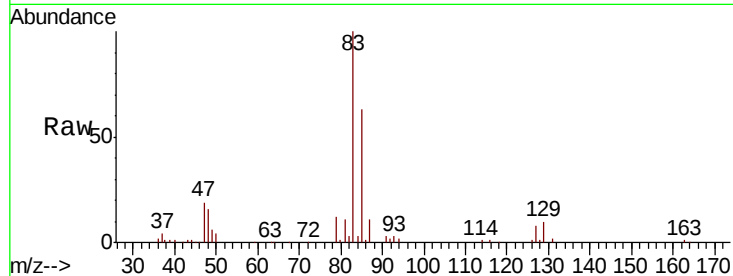




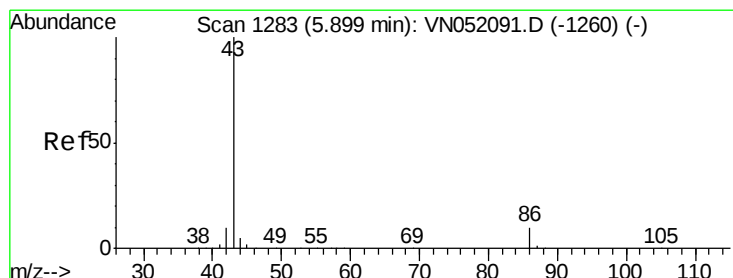
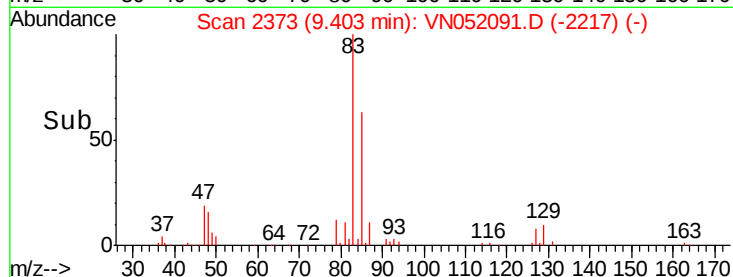
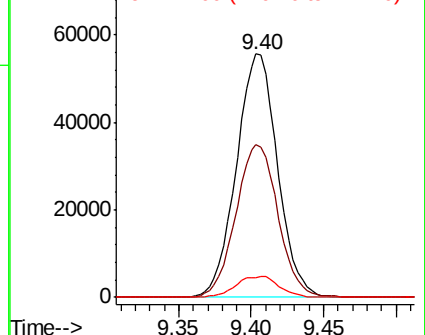
#41
Bromodichloromethane
Concen: 20.000 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 109710
Ion Ratio Lower Upper
83 100
85 62.7 50.2 75.2
127 8.3 6.6 10.0

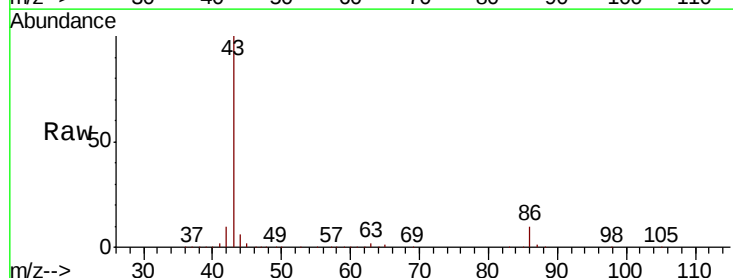


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

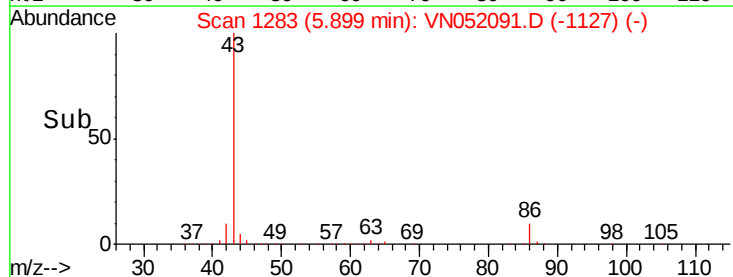
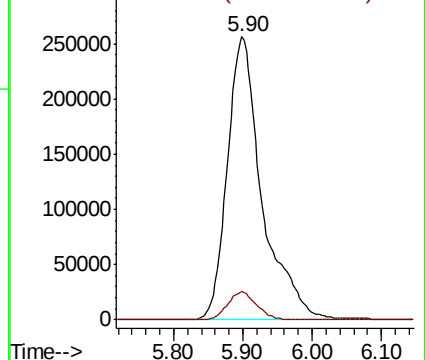


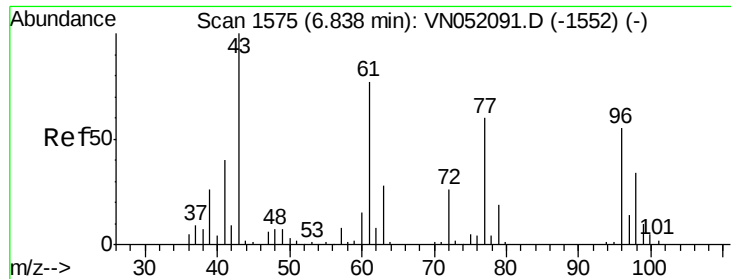
#42
Vinyl Acetate
Concen: 102.606 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion: 43 Resp: 892680
Ion Ratio Lower Upper
43 100
86 8.3 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 15.265 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

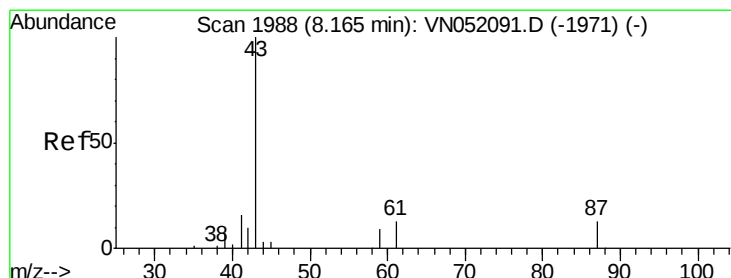
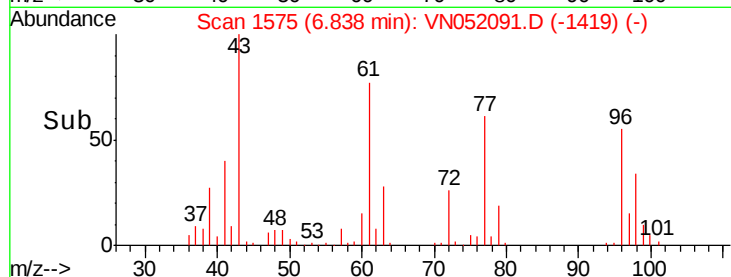
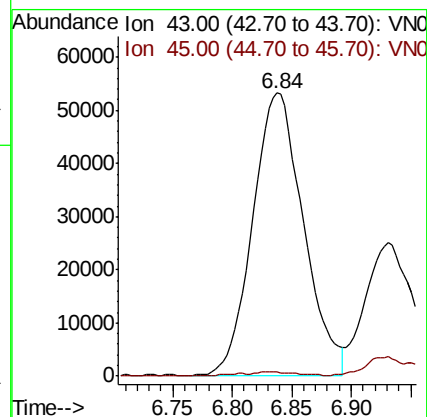
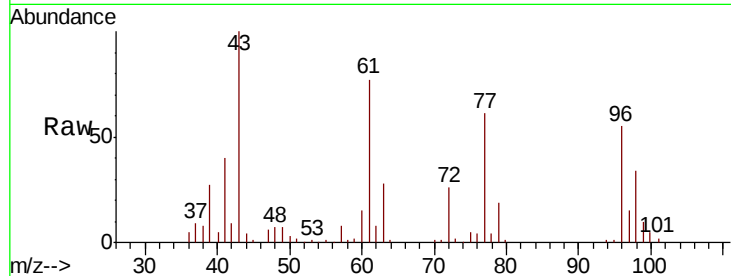
VSTDICCC020

Tgt Ion: 43 Resp: 157912

Ion Ratio Lower Upper

43 100

45 0.3 3.8 5.8#



#44

Isopropyl Acetate

Concen: 20.259 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052091.D

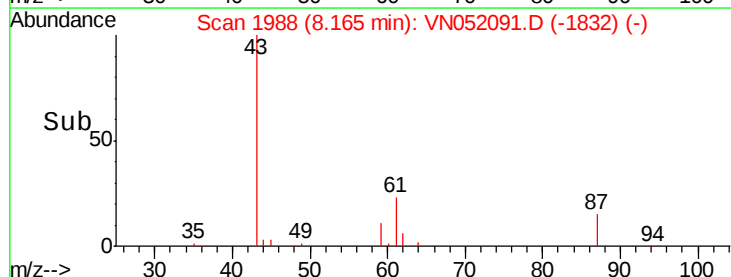
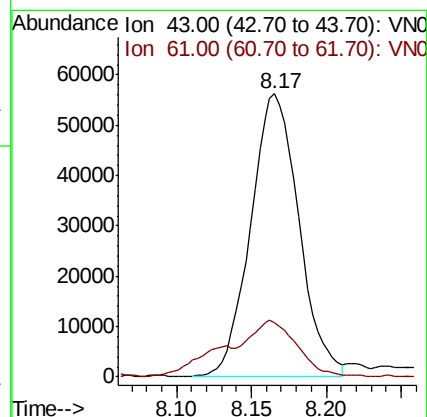
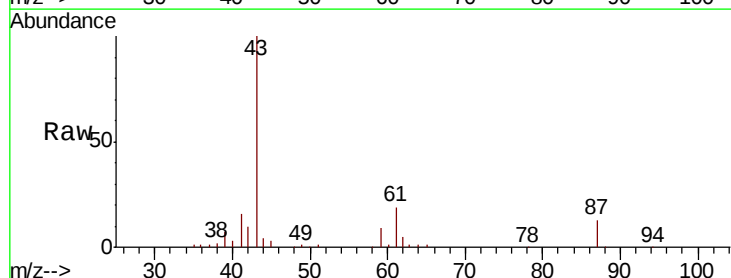
Acq: 1 Nov 2018 8:49

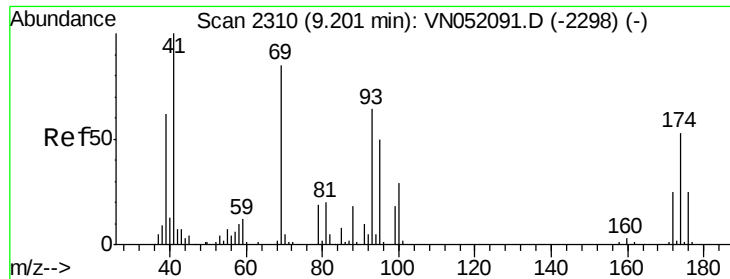
Tgt Ion: 43 Resp: 125271

Ion Ratio Lower Upper

43 100

61 20.2 16.2 24.2

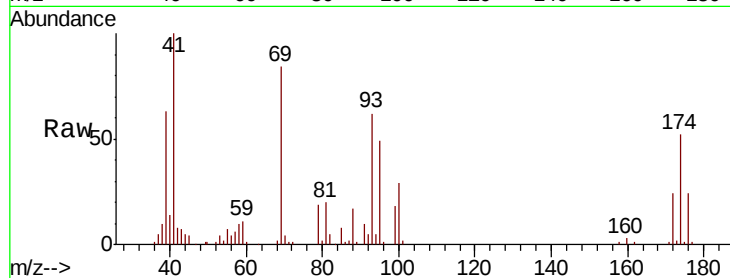




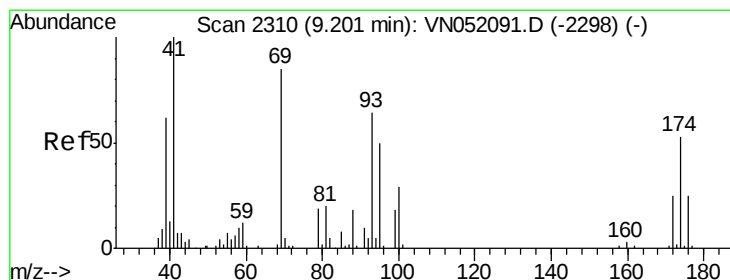
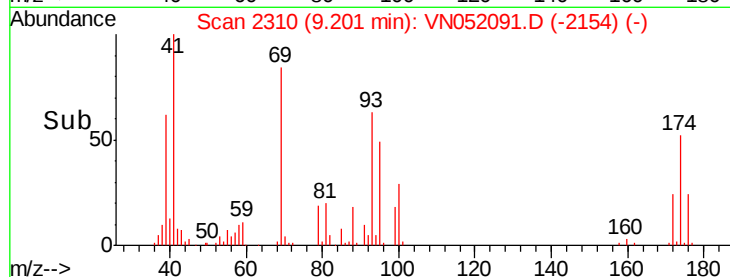
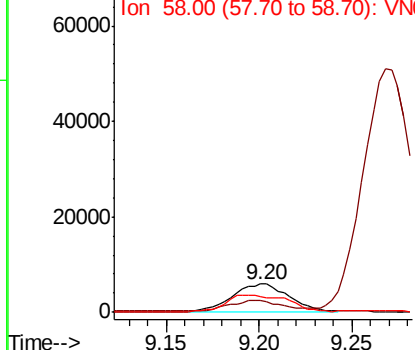
#45
 1,4-Dioxane
 Concen: 454.468 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 88 Resp: 12820
 Ion Ratio Lower Upper
 88 100
 43 35.8 28.6 43.0
 58 47.3 37.8 56.8

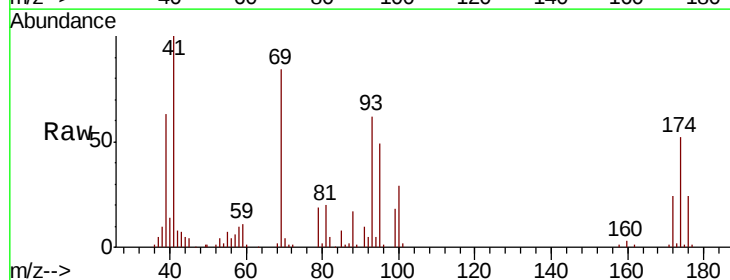


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

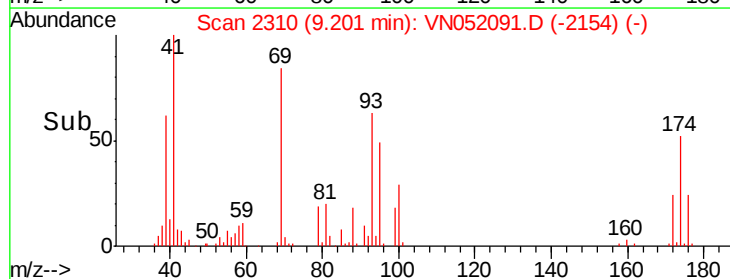
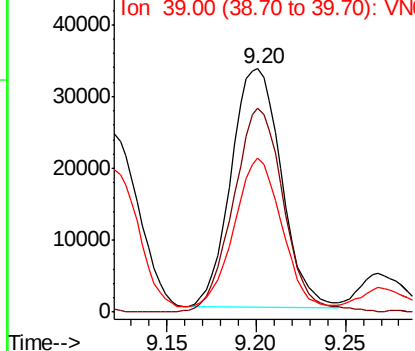


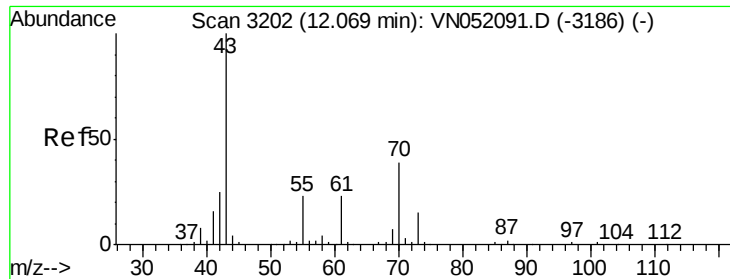
#46
 Methyl methacrylate
 Concen: 21.121 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 41 Resp: 65012
 Ion Ratio Lower Upper
 41 100
 69 85.1 42.5 127.6
 39 62.2 31.1 93.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 19.751 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

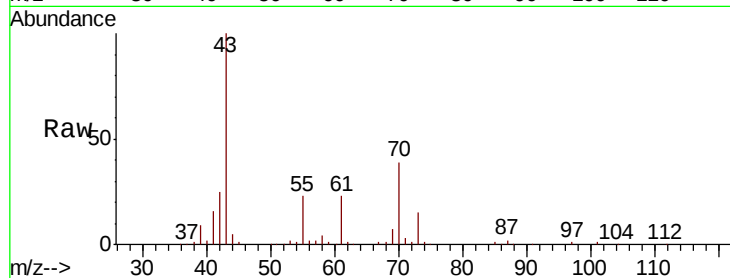
VSTDICCC020

Tgt Ion: 43 Resp: 110795

Ion Ratio Lower Upper

43 100

55 23.9 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

80000

60000

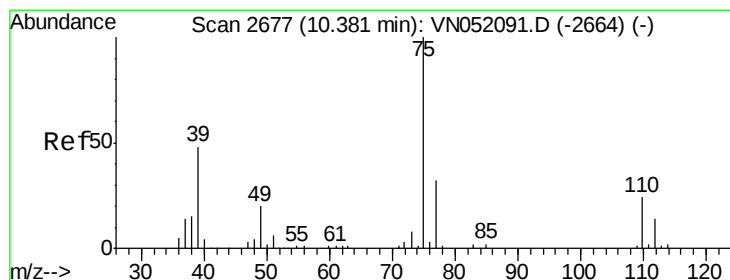
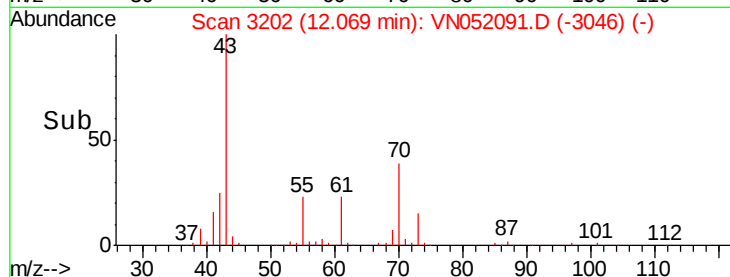
40000

20000

0

Time-->

12.00 12.05 12.10 12.15



#48

t-1,3-Dichloropropene

Concen: 19.756 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052091.D

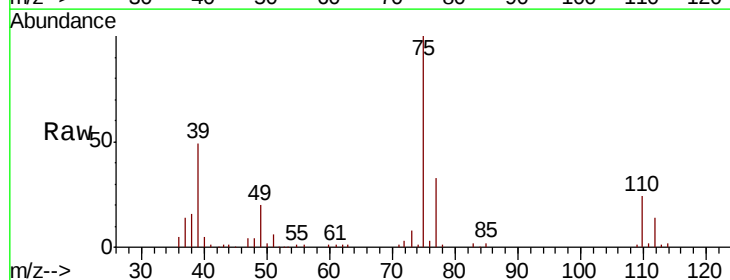
Acq: 1 Nov 2018 8:49

Tgt Ion: 75 Resp: 107614

Ion Ratio Lower Upper

75 100

77 32.9 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

60000

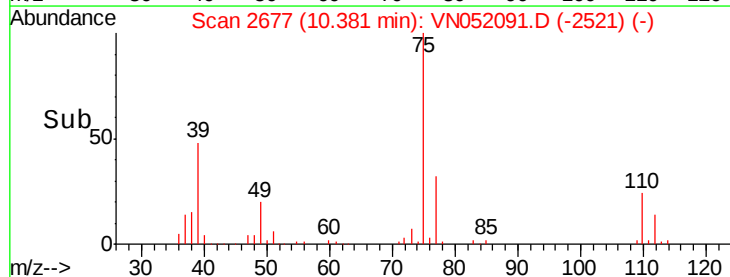
40000

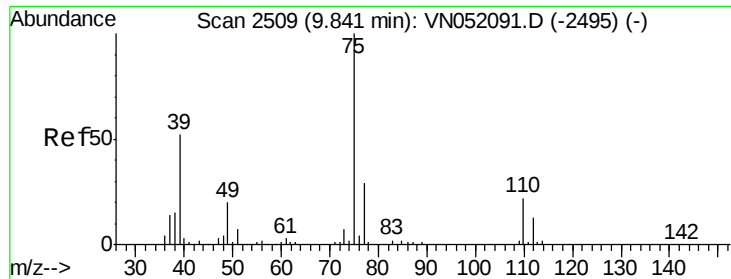
20000

0

Time-->

10.30 10.35 10.40 10.45

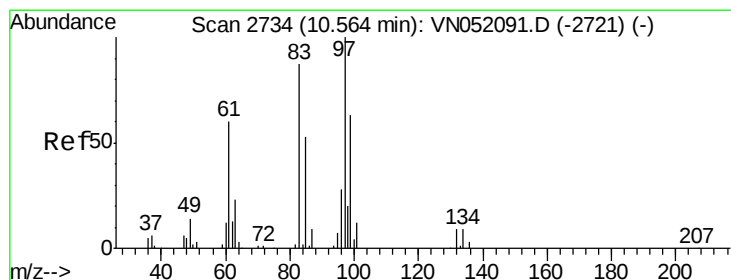
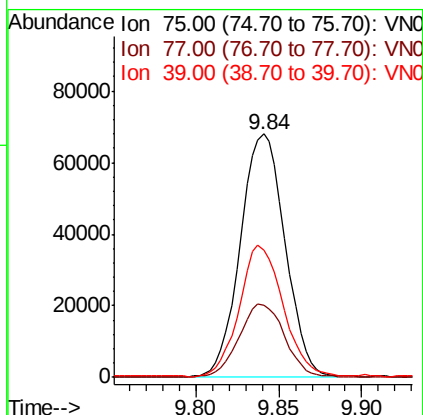
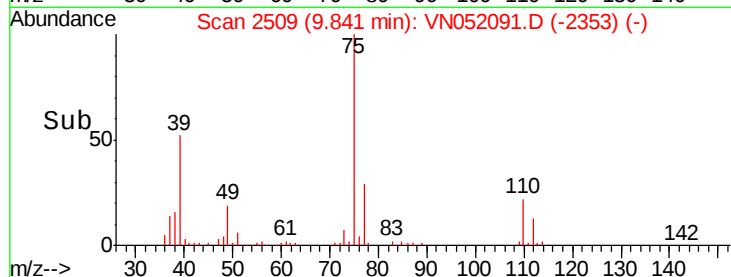
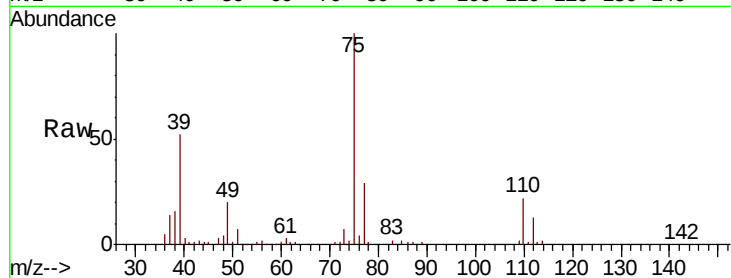




#49
 cis-1,3-Dichloropropene
 Concen: 20.355 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

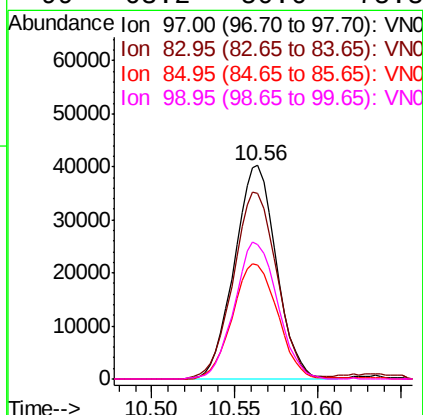
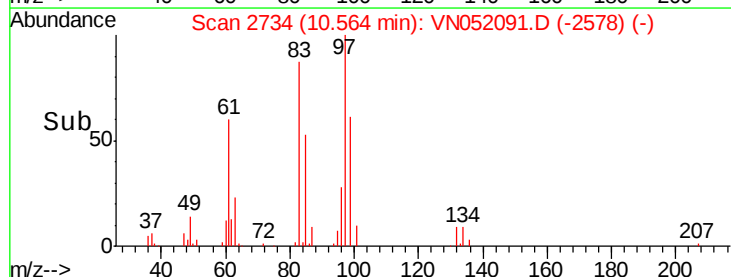
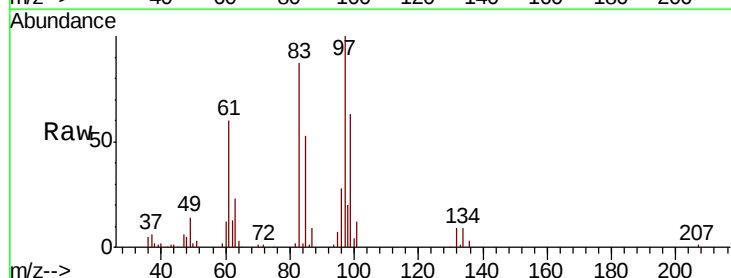
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

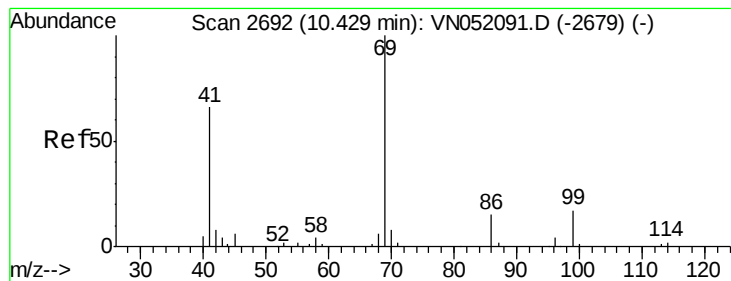
Tgt Ion: 75 Resp: 127974
 Ion Ratio Lower Upper
 75 100
 77 29.1 23.3 34.9
 39 52.0 41.6 62.4



#50
 1,1,2-Trichloroethane
 Concen: 20.022 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 97 Resp: 70984
 Ion Ratio Lower Upper
 97 100
 83 86.7 69.4 104.0
 85 53.4 42.7 64.1
 99 63.2 50.6 75.8





#51

Ethyl methacrylate

Concen: 20.014 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

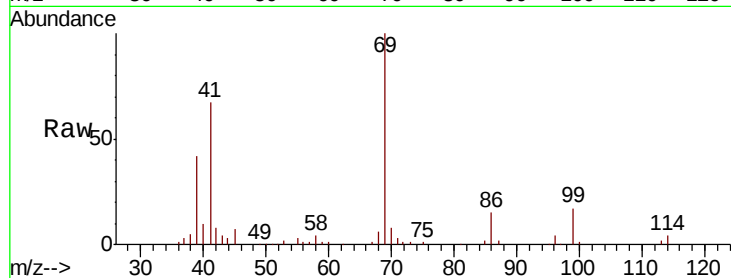
Tgt Ion: 69 Resp: 91700

Ion Ratio Lower Upper

69 100

41 66.0 33.0 99.0

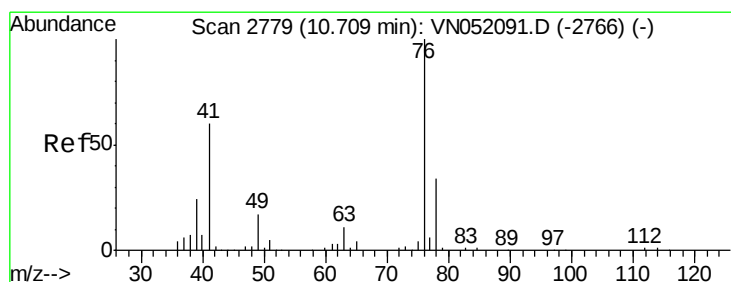
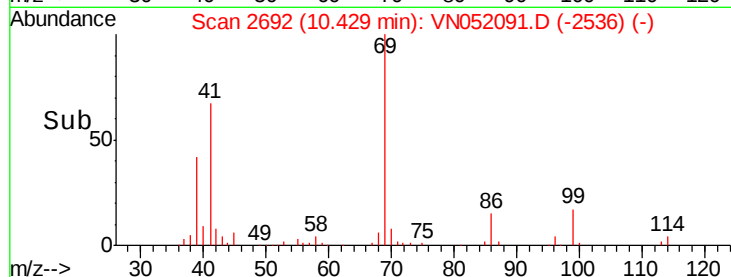
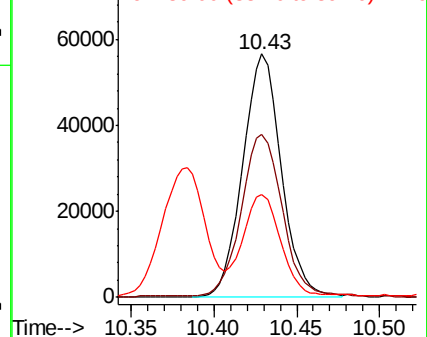
39 41.4 20.7 62.1



Abundance Ion 69.00 (68.70 to 69.70): VN052091.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN052091.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN052091.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 20.195 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052091.D

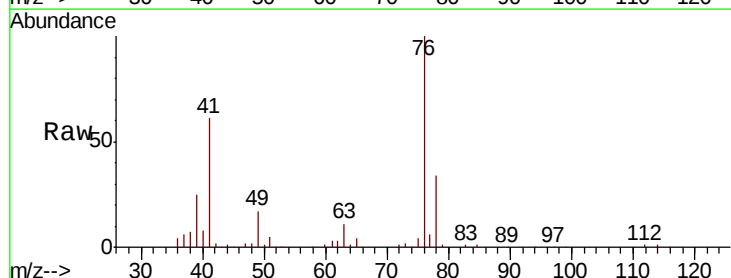
Acq: 1 Nov 2018 8:49

Tgt Ion: 76 Resp: 124708

Ion Ratio Lower Upper

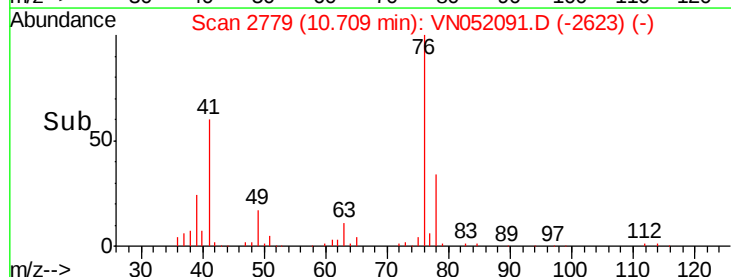
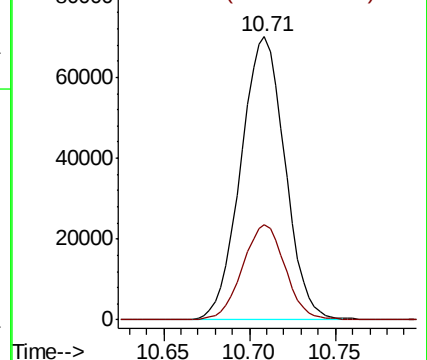
76 100

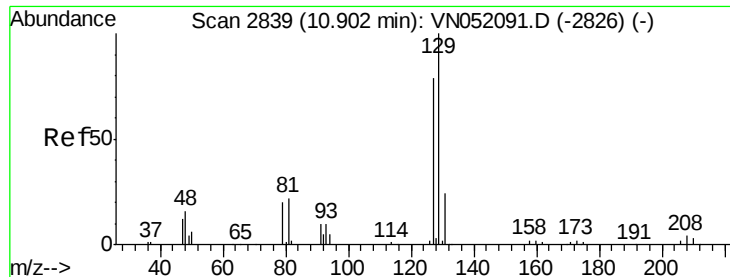
78 32.5 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN052091.D (-2766) (-)

Ion 78.00 (77.70 to 78.70): VN052091.D (-2766) (-)





#53

Dibromochloromethane

Concen: 19.525 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

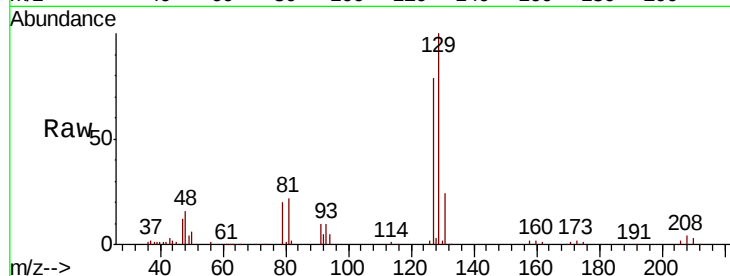
VSTDICCC020

Tgt Ion:129 Resp: 74728

Ion Ratio Lower Upper

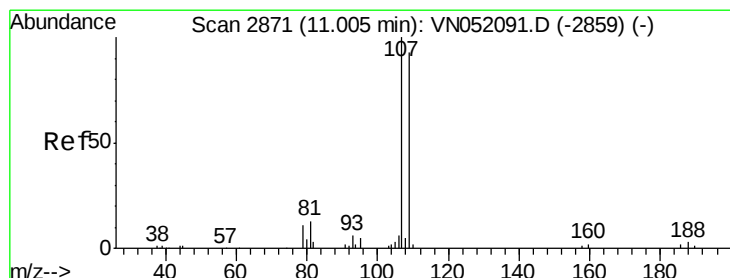
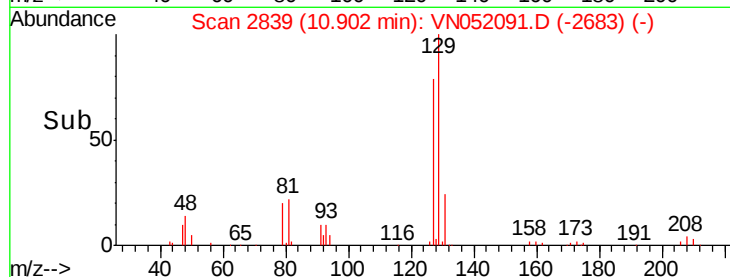
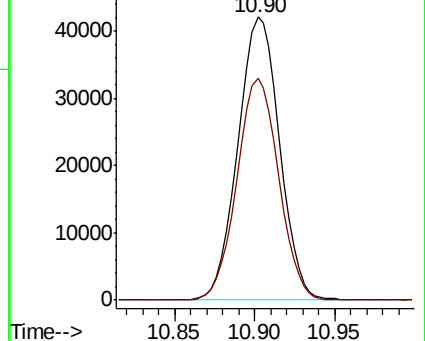
129 100

127 78.4 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.509 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN052091.D

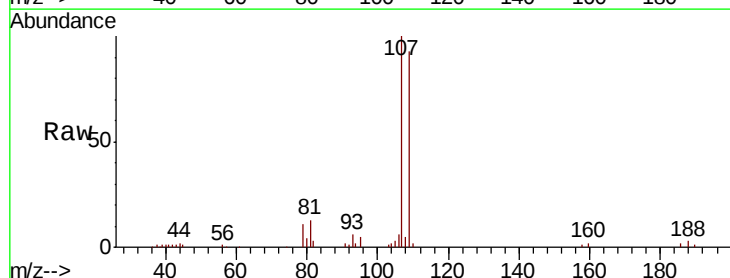
Acq: 1 Nov 2018 8:49

Tgt Ion:107 Resp: 70135

Ion Ratio Lower Upper

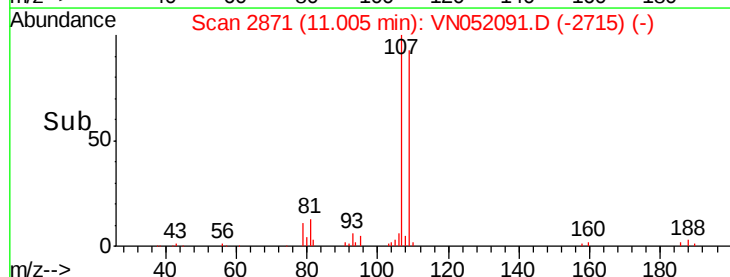
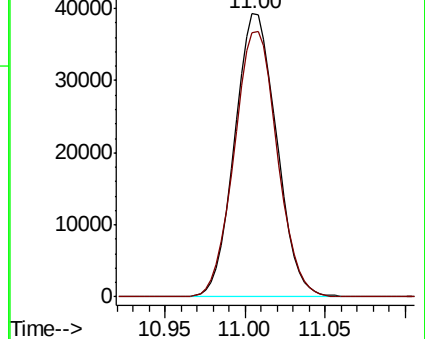
107 100

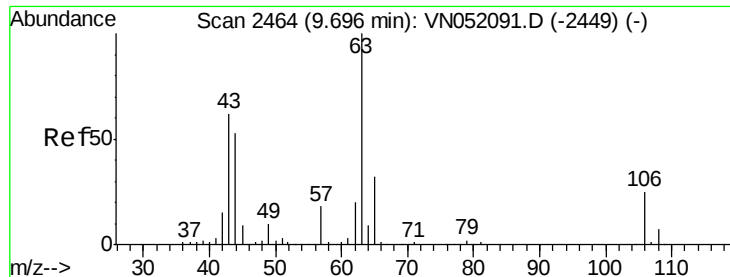
109 96.3 77.0 115.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

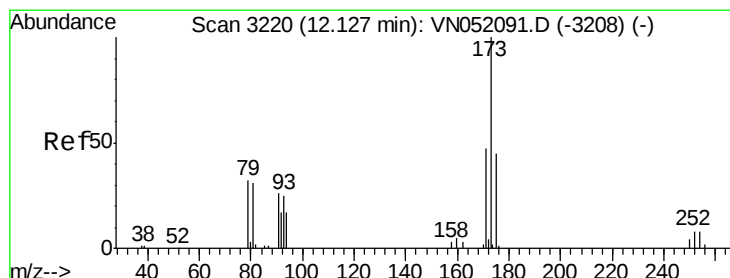
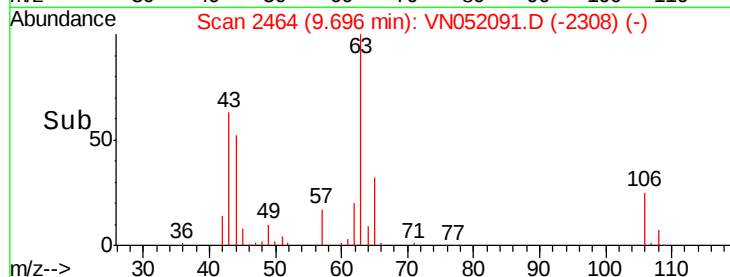
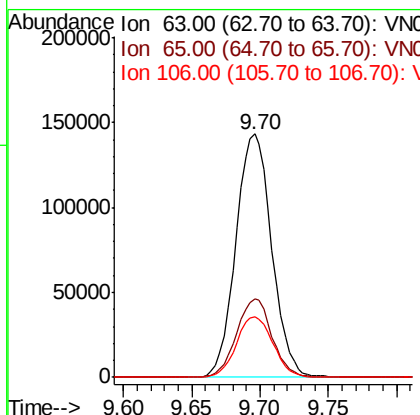
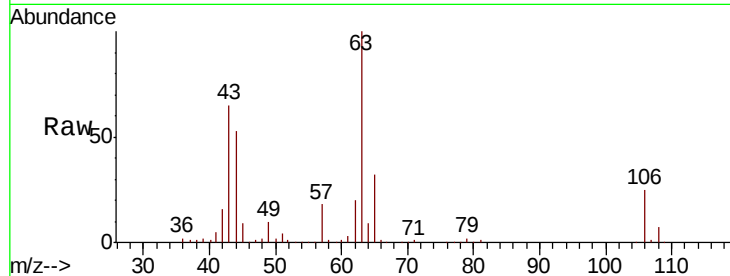




#55
 2-Chloroethyl vinyl ether
 Concen: 104.072 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

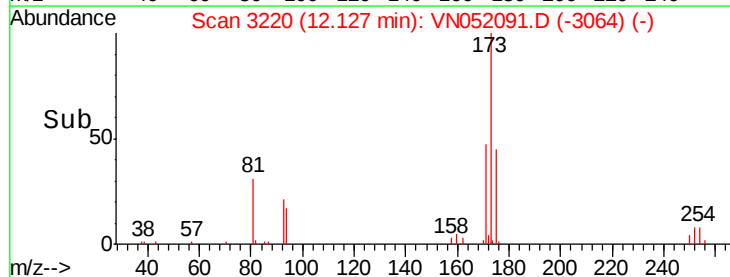
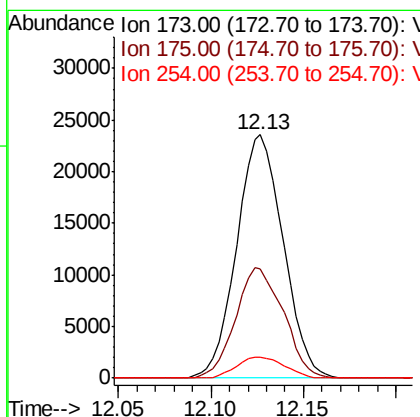
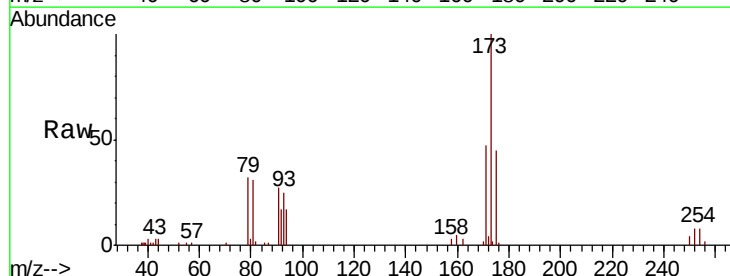
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

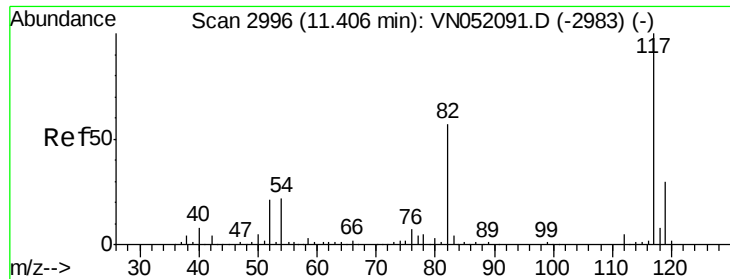
Tgt Ion: 63 Resp: 261120
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.5 38.3
 106 25.5 20.4 30.6



#56
 Bromoform
 Concen: 18.557 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 173 Resp: 41021
 Ion Ratio Lower Upper
 173 100
 175 46.6 37.3 55.9
 254 8.8 7.0 10.6

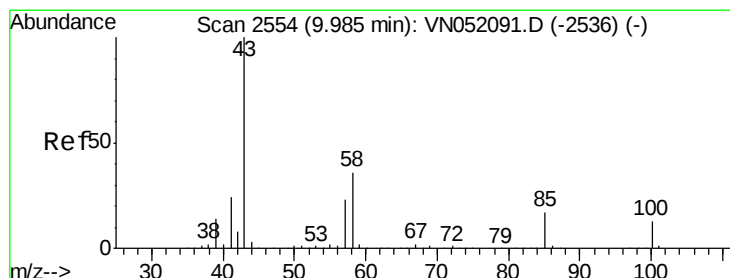
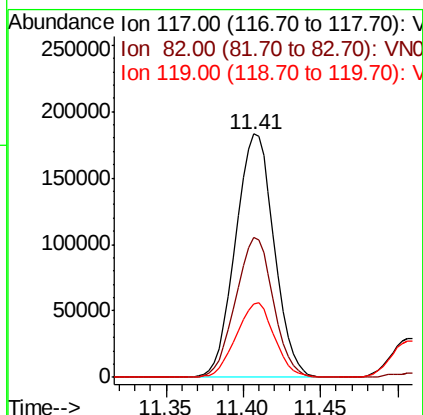
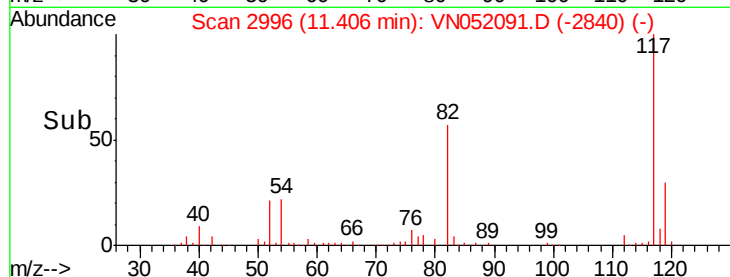
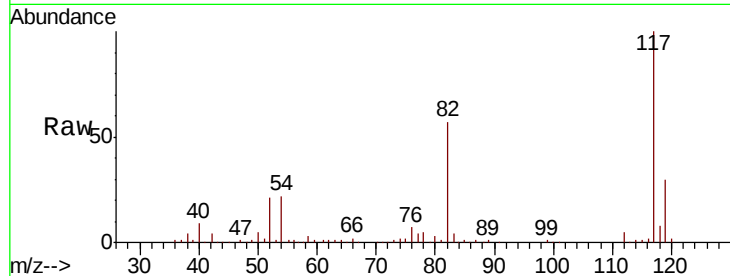




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

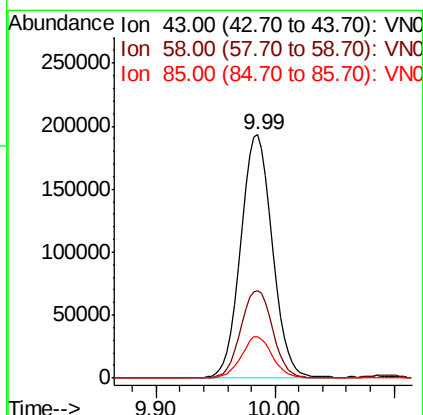
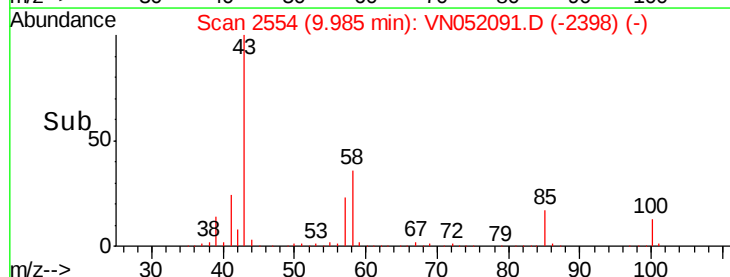
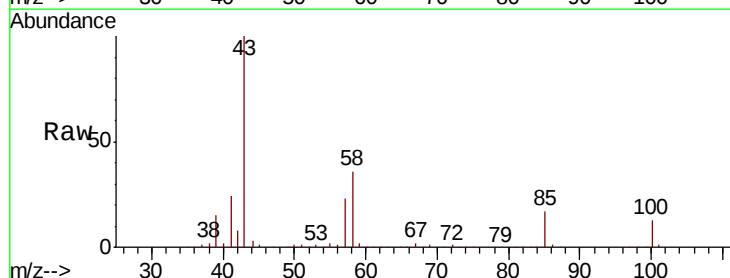
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

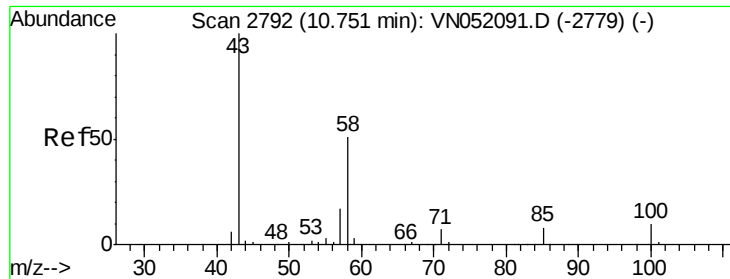
Tgt Ion:117 Resp: 317995
Ion Ratio Lower Upper
117 100
82 56.3 45.0 67.6
119 30.3 24.2 36.4



#58
4-Methyl-2-Pentanone
Concen: 104.381 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion: 43 Resp: 355677
Ion Ratio Lower Upper
43 100
58 36.3 29.0 43.6
85 16.8 13.4 20.2

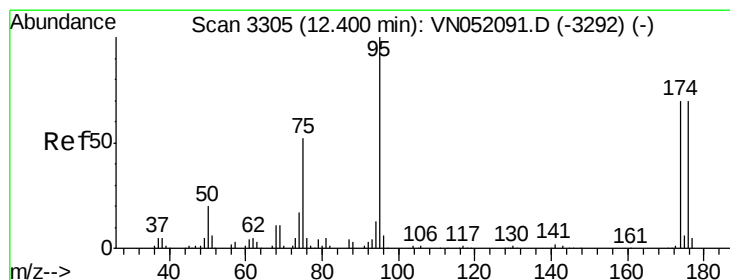
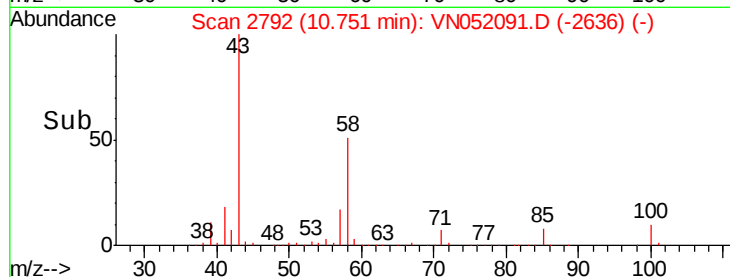
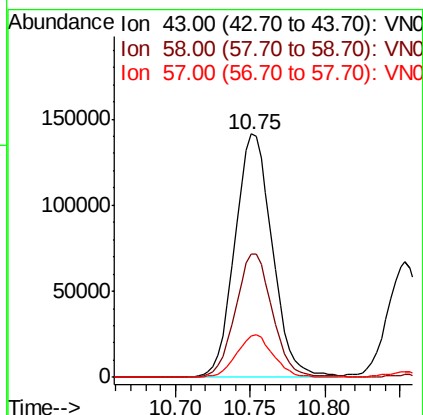
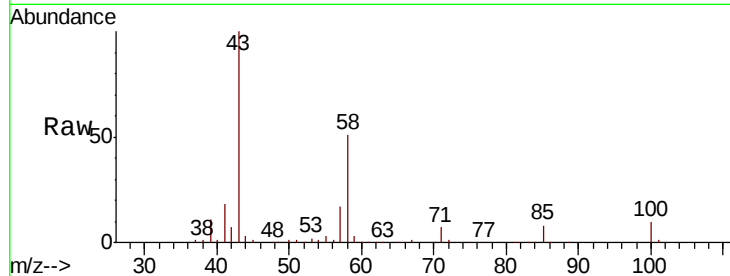




#59
2-Hexanone
Concen: 104.081 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

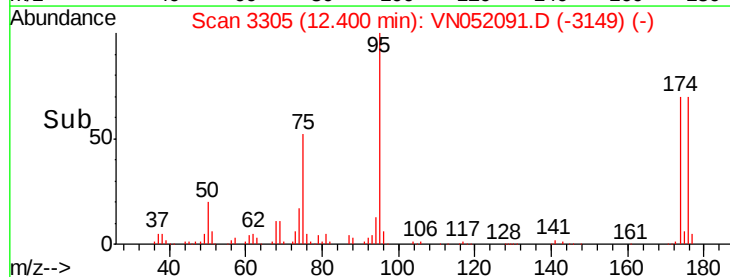
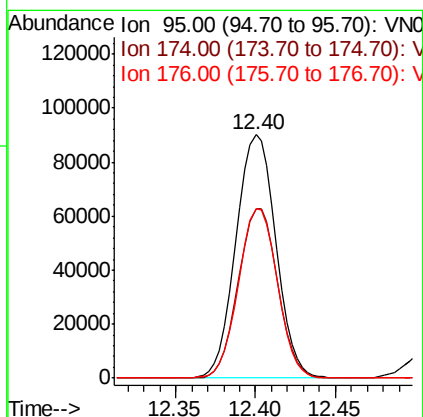
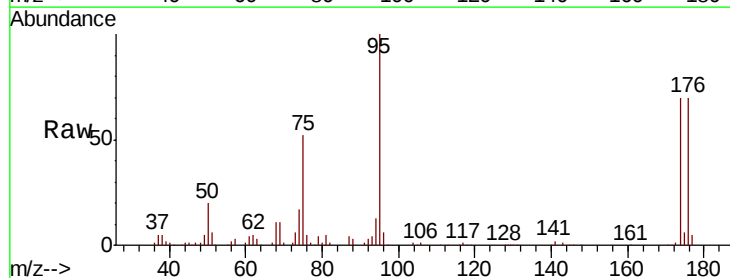
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

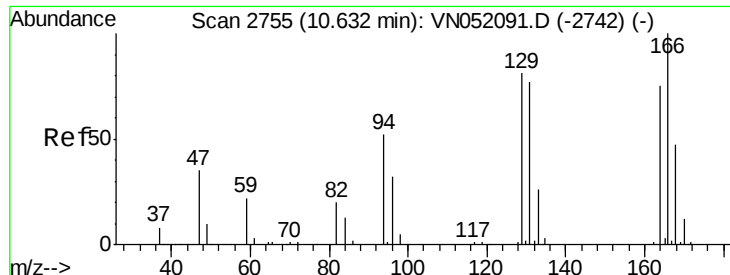
Tgt Ion: 43 Resp: 244191
Ion Ratio Lower Upper
43 100
58 51.0 40.8 61.2
57 17.3 13.8 20.8



#60
4-Bromofluorobenzene
Concen: 104.081 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion: 95 Resp: 153500
Ion Ratio Lower Upper
95 100
174 68.8 55.0 82.6
176 67.8 54.2 81.4





#61

Tetrachloroethene

Concen: 19.236 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:164 Resp: 66524

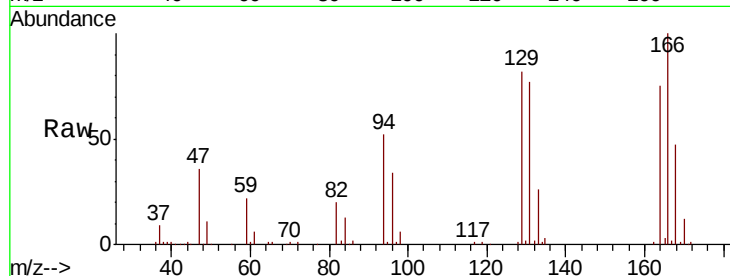
Ion Ratio Lower Upper

164 100

166 133.0 106.4 159.6

129 108.7 87.0 130.4

131 101.8 81.4 122.2

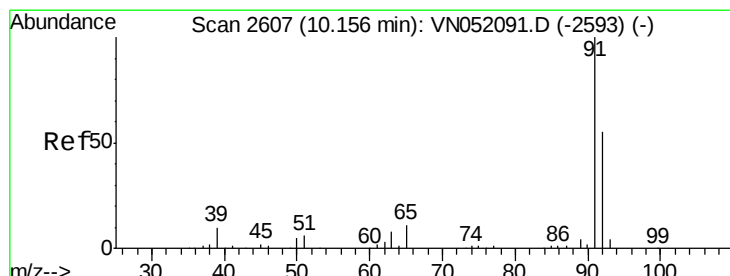
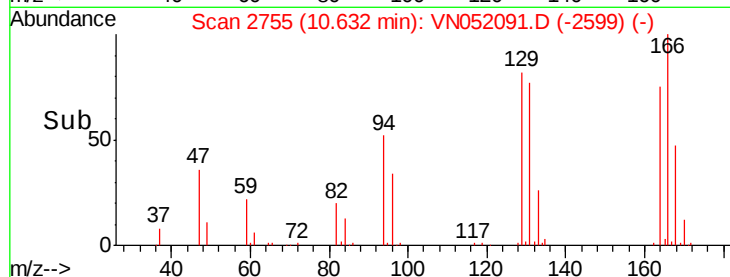
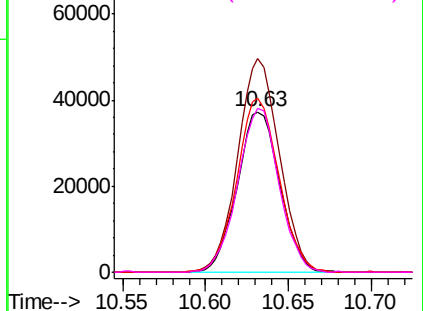


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.177 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052091.D

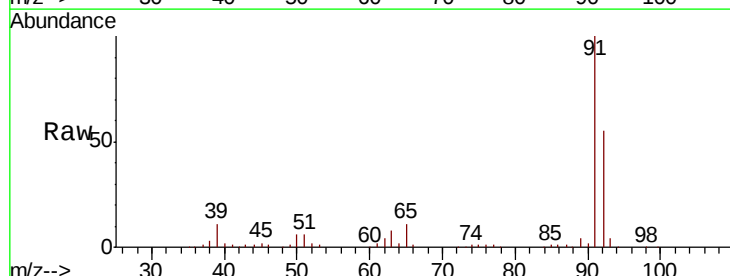
Acq: 1 Nov 2018 8:49

Tgt Ion: 91 Resp: 360184

Ion Ratio Lower Upper

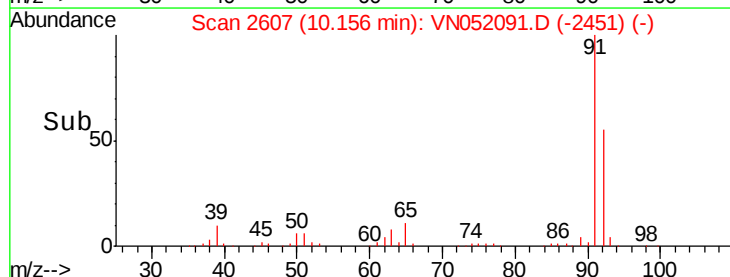
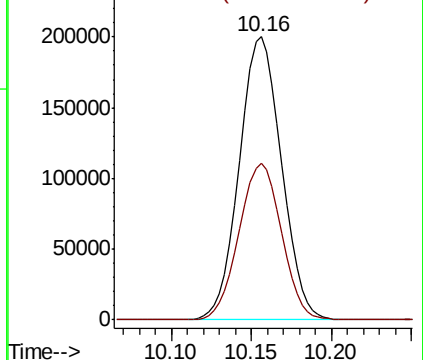
91 100

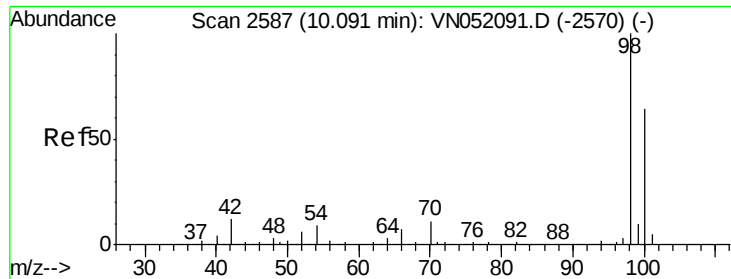
92 55.8 44.6 67.0



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 20.177 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

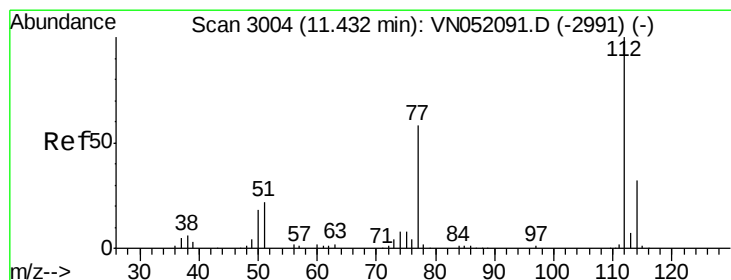
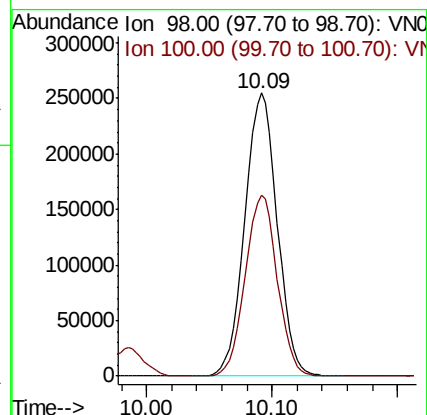
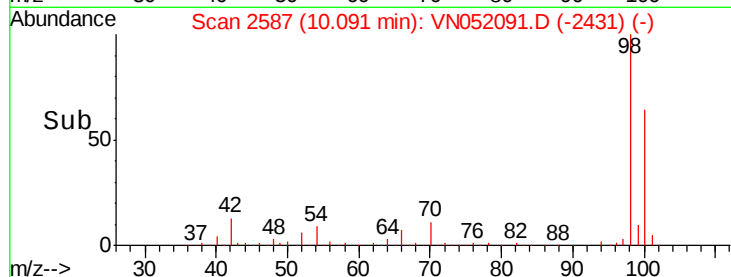
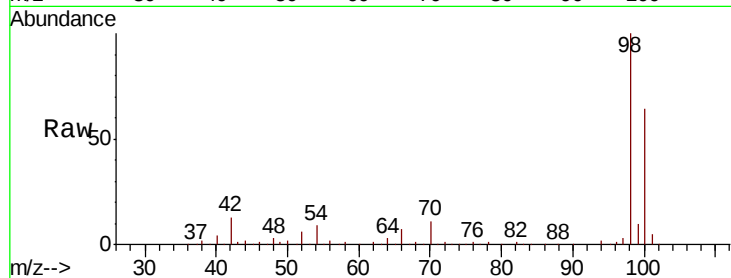
VSTDICCC020

Tgt Ion: 98 Resp: 456338

Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



#64

Chlorobenzene

Concen: 19.572 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052091.D

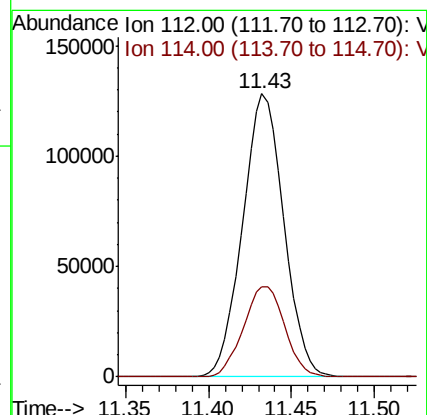
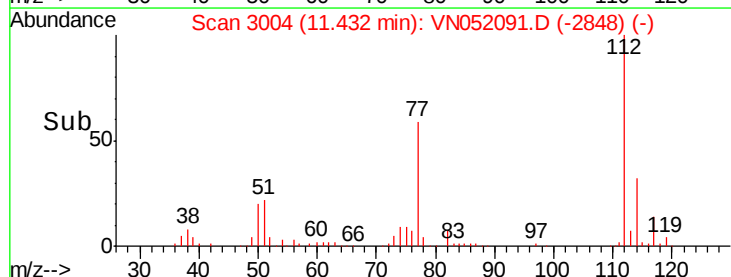
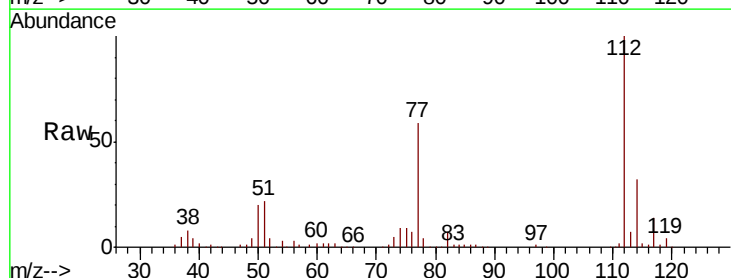
Acq: 1 Nov 2018 8:49

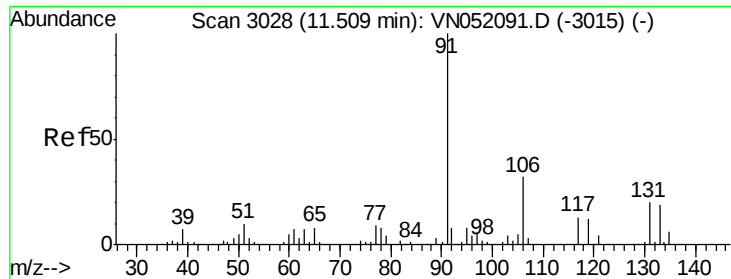
Tgt Ion: 112 Resp: 221433

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3

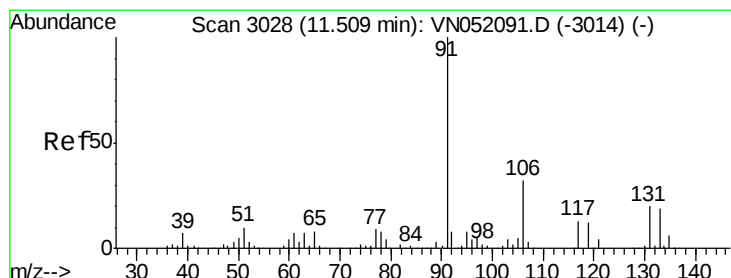
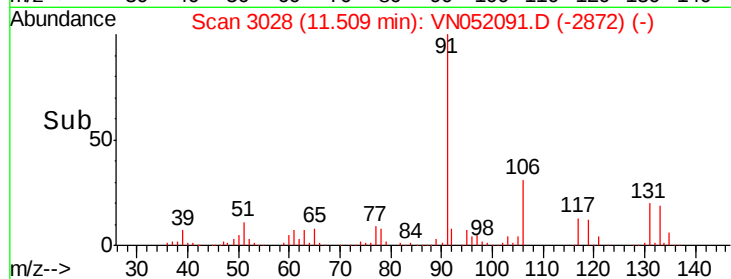
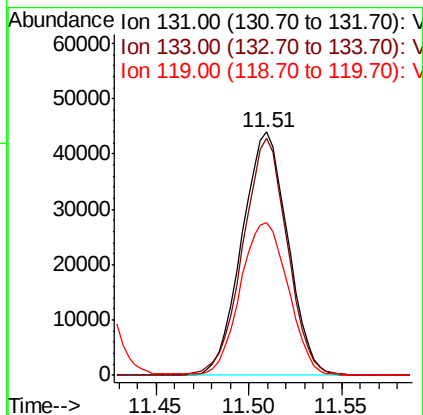
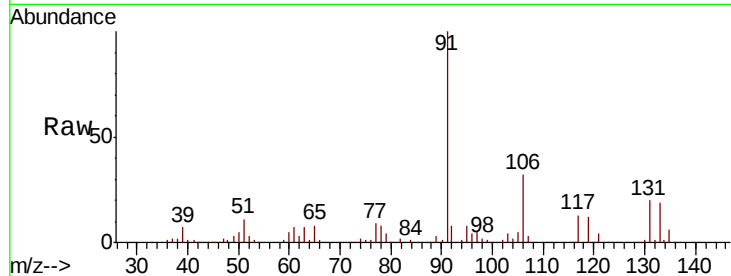




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.599 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

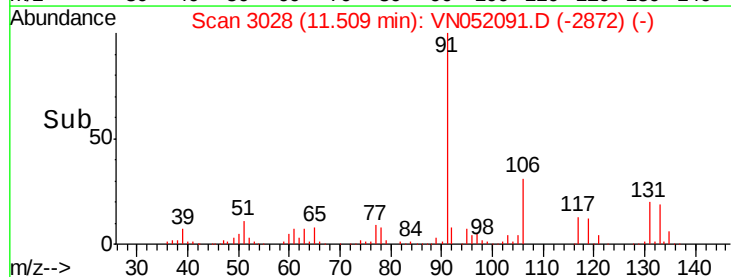
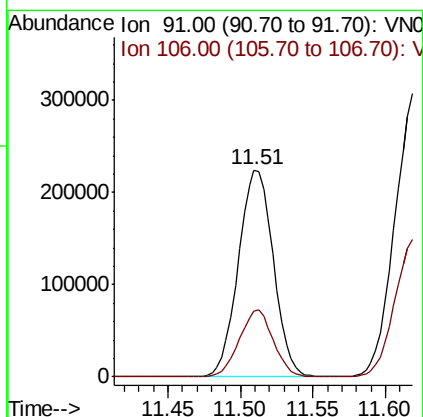
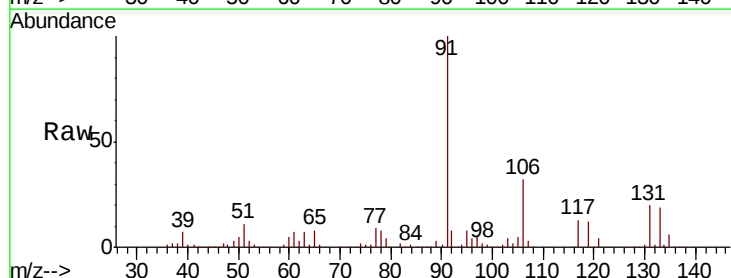
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

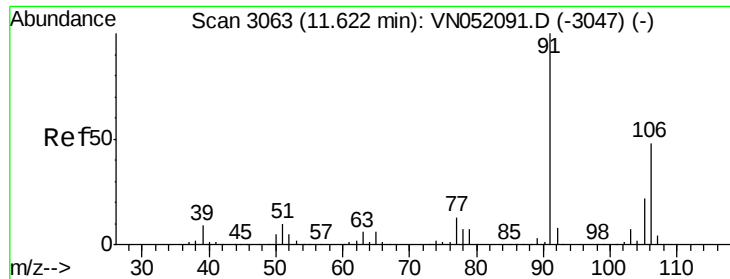
Tgt Ion: 131 Resp: 75469
 Ion Ratio Lower Upper
 131 100
 133 94.4 0.0 188.8
 119 65.7 0.0 131.4



#66
 Ethyl Benzene
 Concen: 19.577 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 91 Resp: 377482
 Ion Ratio Lower Upper
 91 100
 106 32.1 25.7 38.5

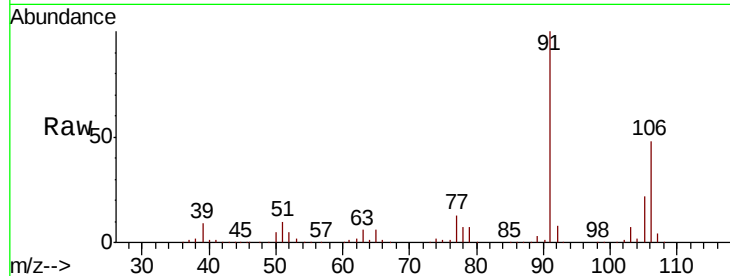




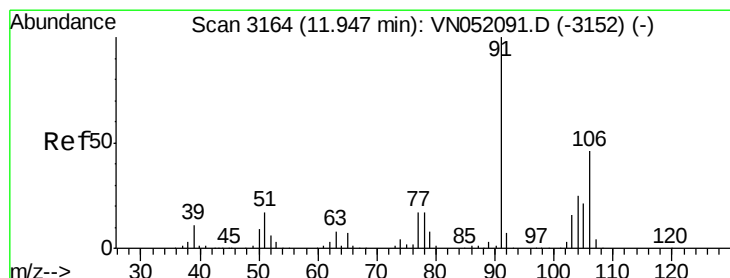
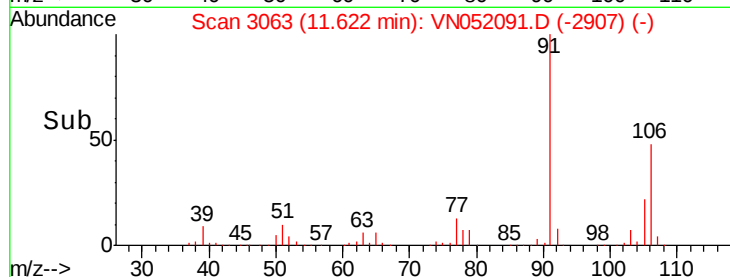
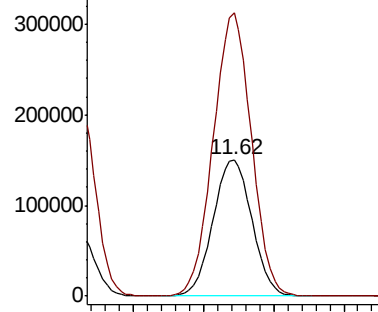
#67
m/p-Xylenes
Concen: 39.074 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 290066
Ion Ratio Lower Upper
106 100
91 204.5 163.6 245.4

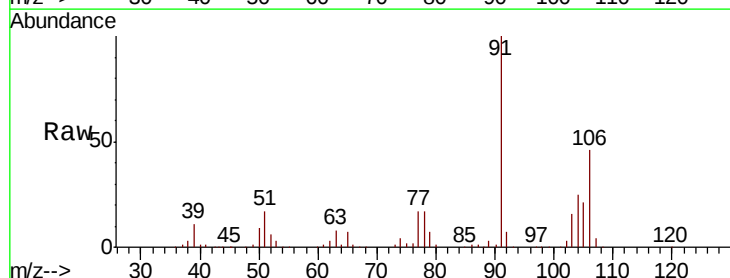


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

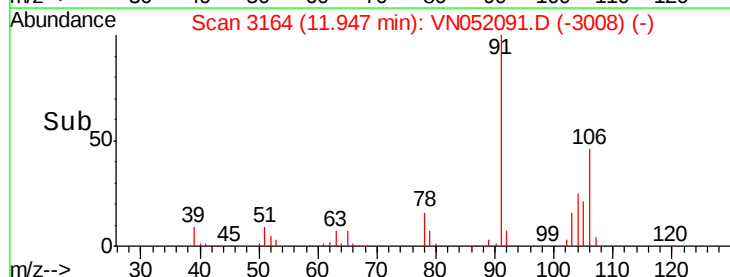
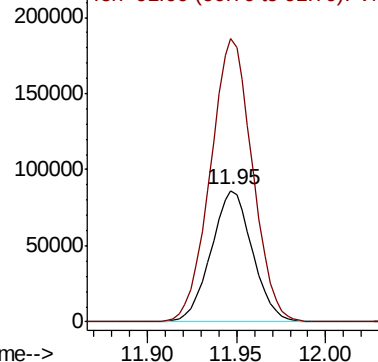


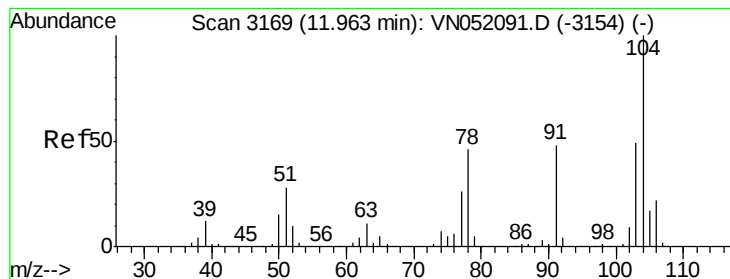
#68
o-Xylene
Concen: 19.663 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion:106 Resp: 139169
Ion Ratio Lower Upper
106 100
91 220.0 110.0 330.0



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





#69

Styrene

Concen: 19.962 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

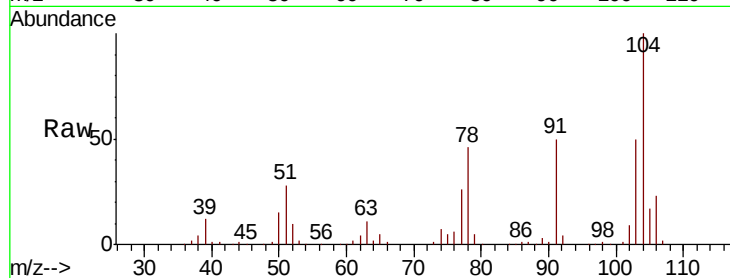
Tgt Ion:104 Resp: 227674

Ion Ratio Lower Upper

104 100

78 51.6 41.3 61.9

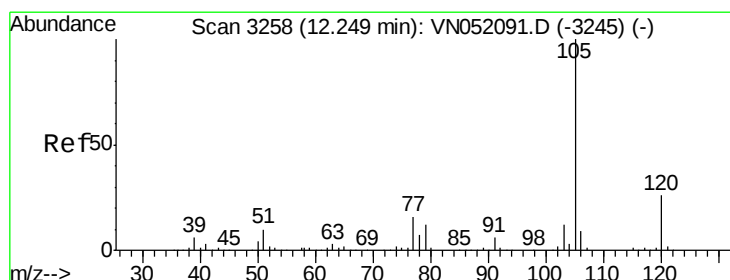
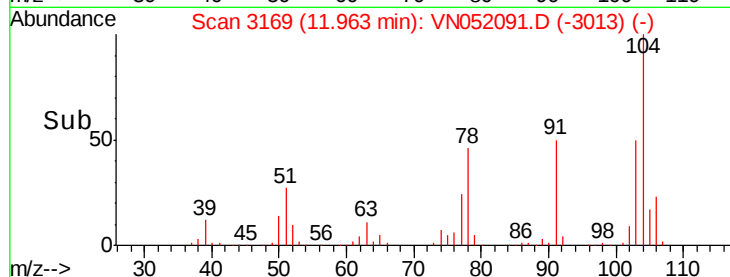
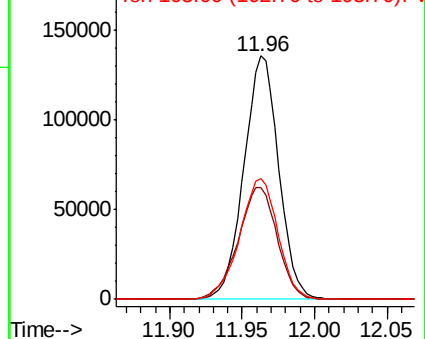
103 54.1 43.3 64.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 19.376 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052091.D

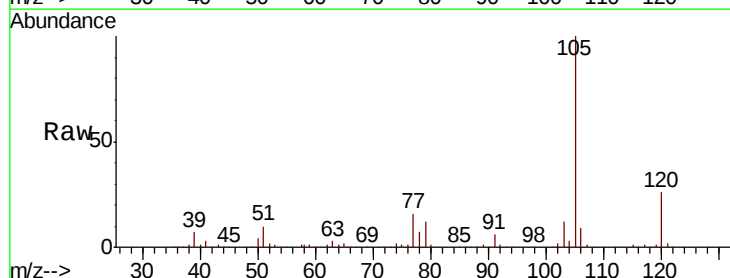
Acq: 1 Nov 2018 8:49

Tgt Ion:105 Resp: 368134

Ion Ratio Lower Upper

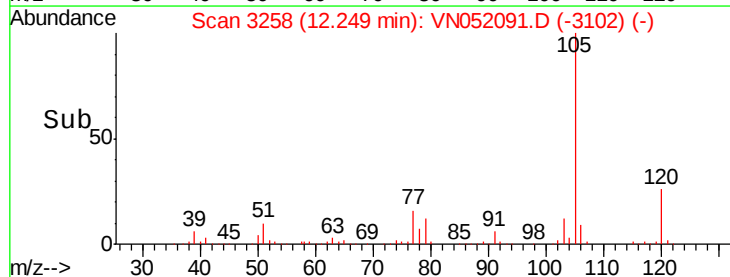
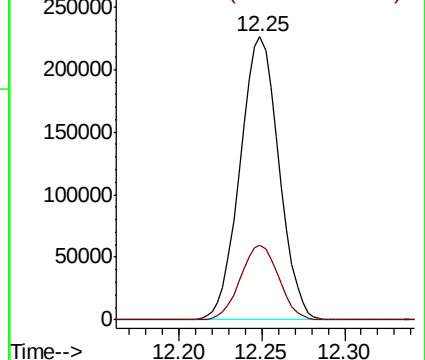
105 100

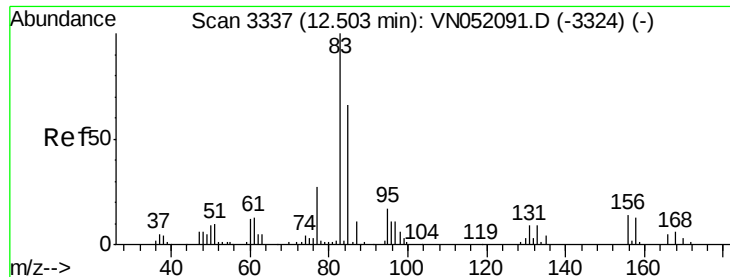
120 26.3 18.4 34.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

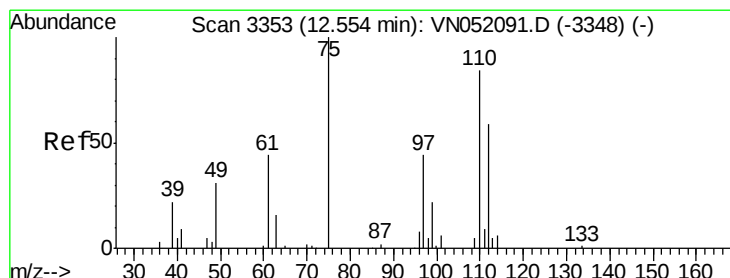
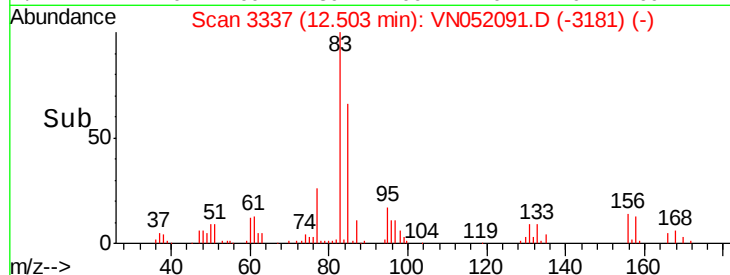
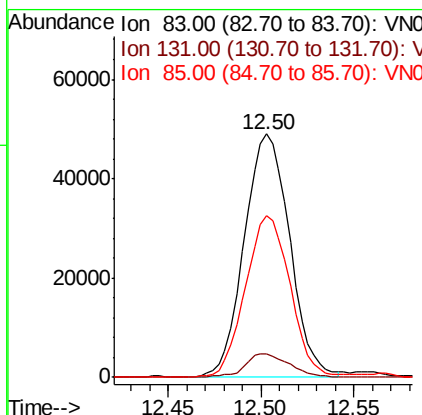
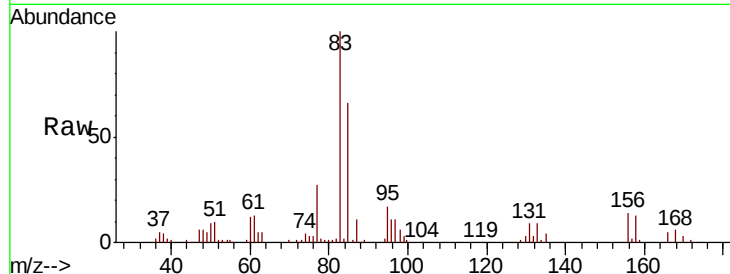




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.969 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

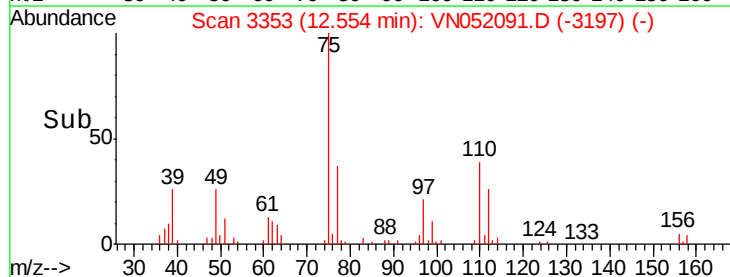
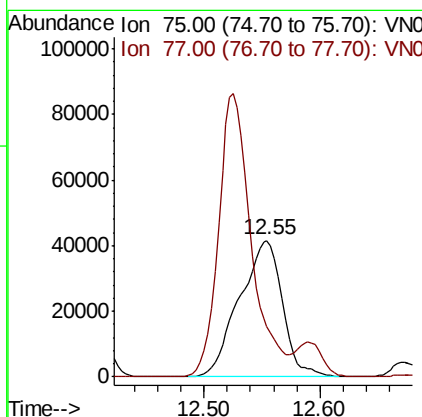
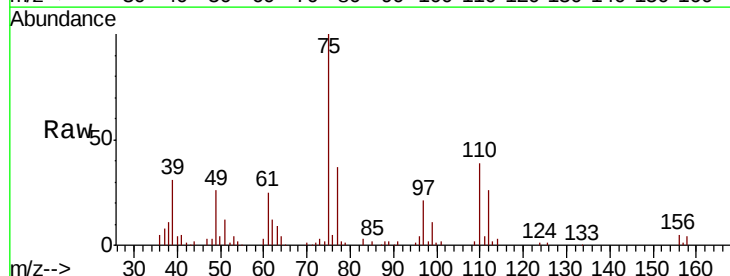
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

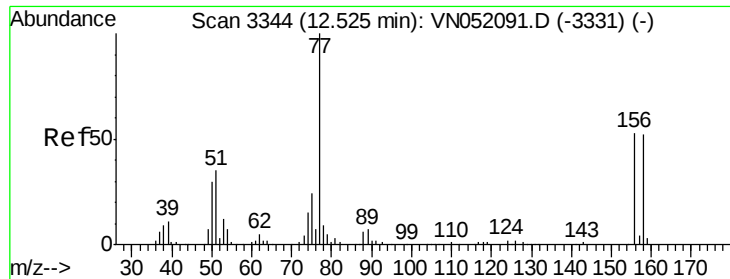
Tgt Ion: 83 Resp: 83454
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.3
 85 65.4 32.7 98.1



#72
 1,2,3-Trichloropropane
 Concen: 31.025 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 75 Resp: 107813
 Ion Ratio Lower Upper
 75 100
 77 157.8 0.0 481.8





#73

Bromobenzene

Concen: 18.877 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

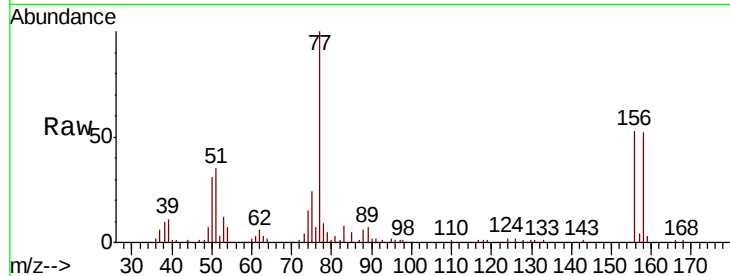
Tgt Ion:156 Resp: 79474

Ion Ratio Lower Upper

156 100

77 214.0 0.0 428.0

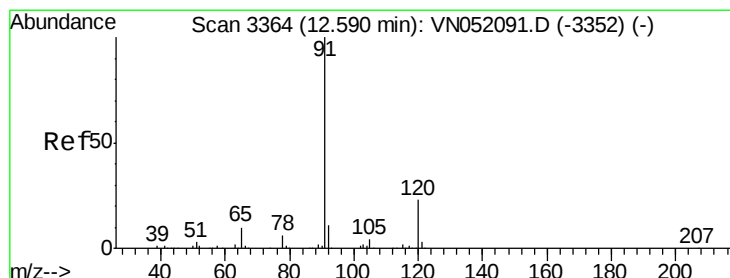
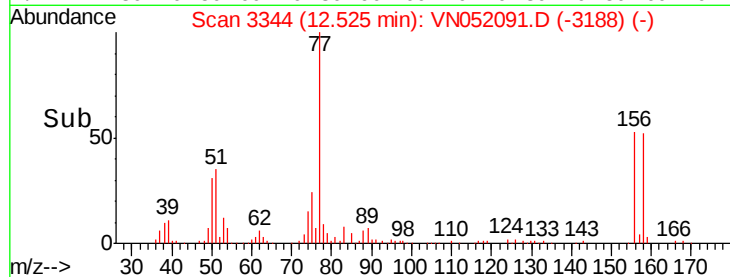
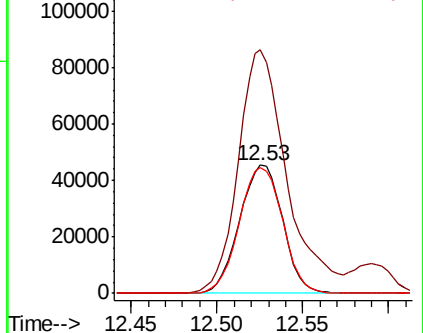
158 98.4 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.491 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052091.D

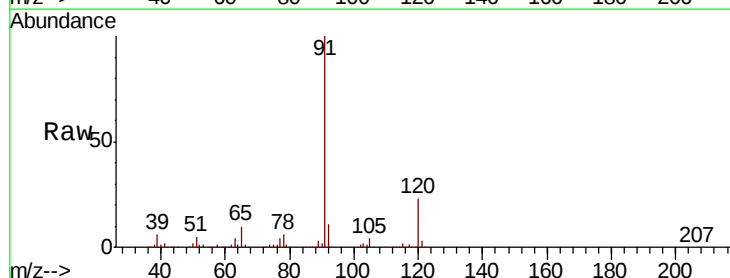
Acq: 1 Nov 2018 8:49

Tgt Ion: 91 Resp: 431237

Ion Ratio Lower Upper

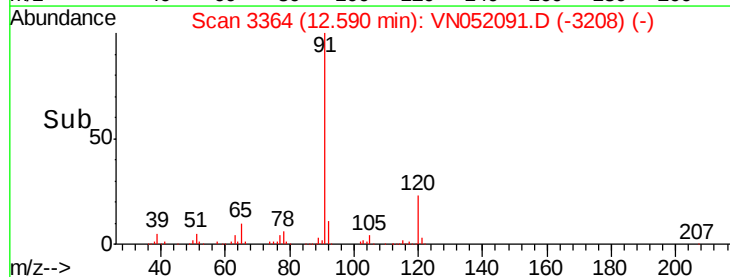
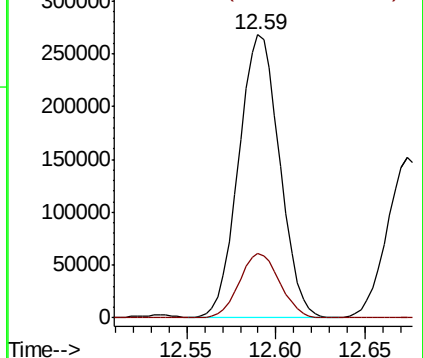
91 100

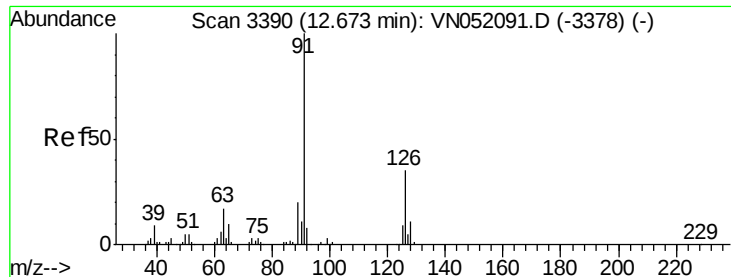
120 22.4 0.0 44.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.718 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

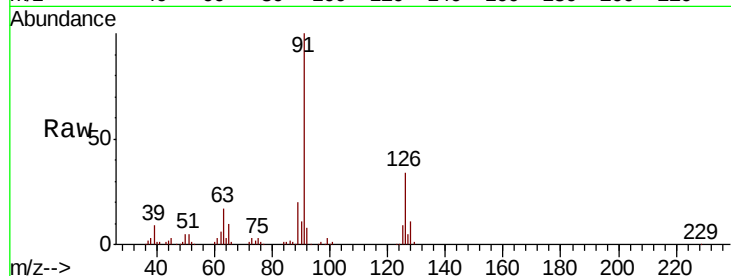
VSTDICCC020

Tgt Ion: 91 Resp: 251520

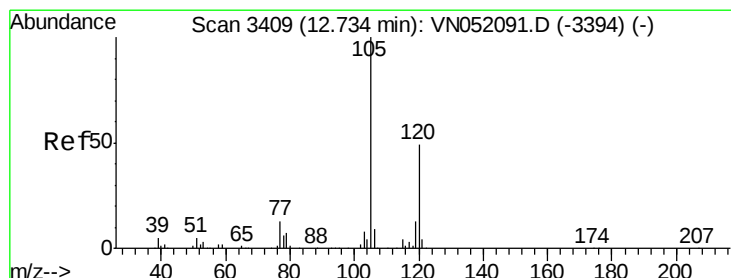
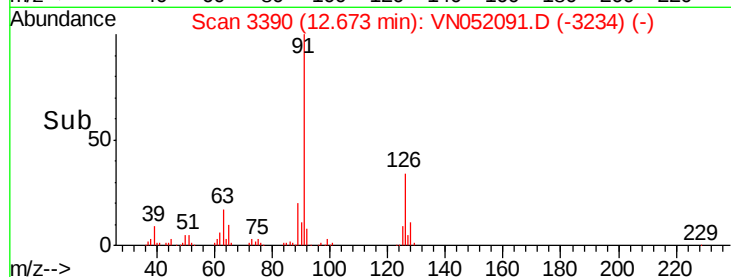
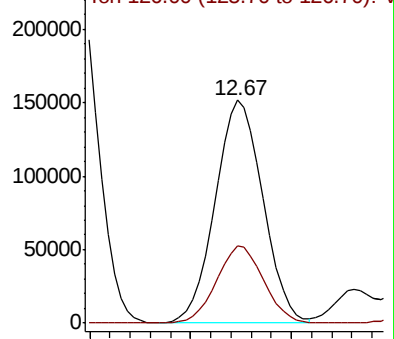
Ion Ratio Lower Upper

91 100

126 34.0 0.0 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.531 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052091.D

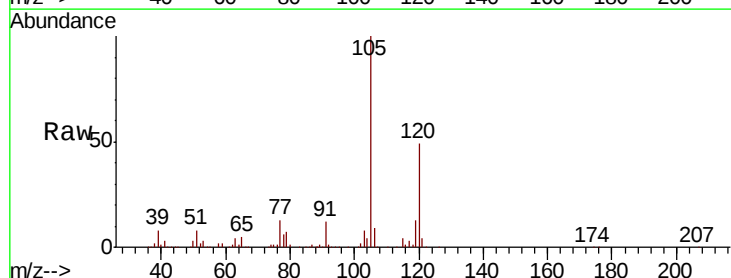
Acq: 1 Nov 2018 8:49

Tgt Ion: 105 Resp: 297557

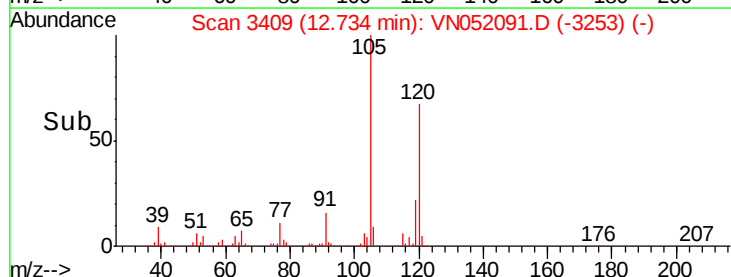
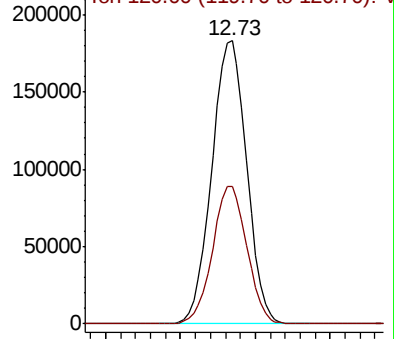
Ion Ratio Lower Upper

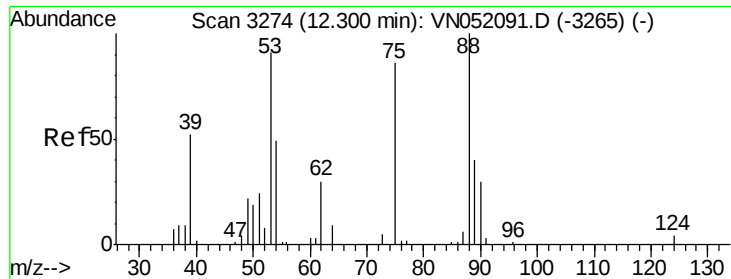
105 100

120 47.9 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052091.D (-3394) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.605 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

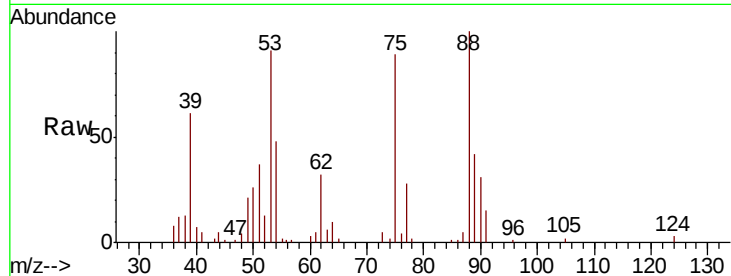
Tgt Ion: 75 Resp: 20241

Ion Ratio Lower Upper

75 100

53 101.4 50.7 152.1

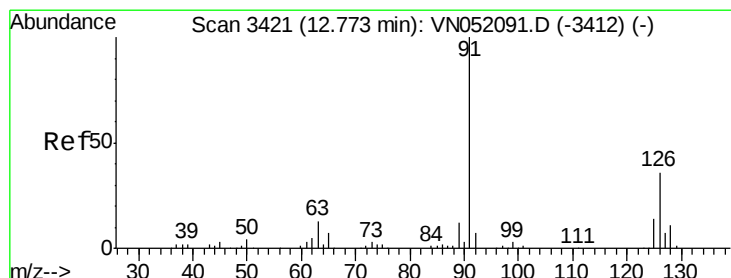
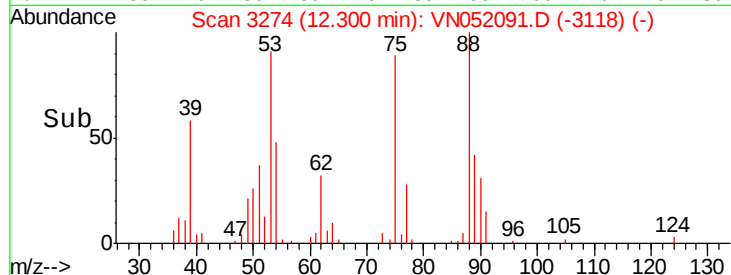
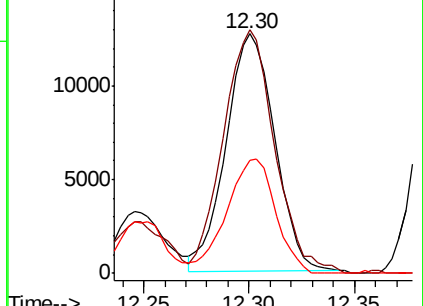
89 47.7 23.8 71.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.556 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052091.D

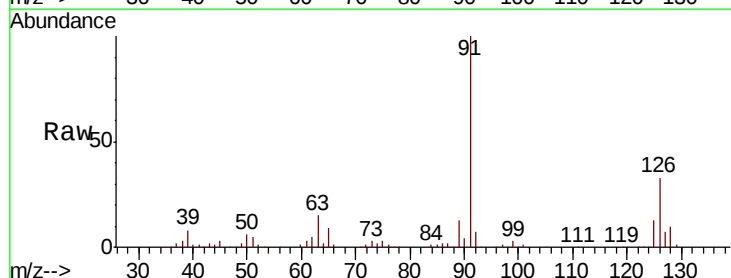
Acq: 1 Nov 2018 8:49

Tgt Ion: 91 Resp: 251200

Ion Ratio Lower Upper

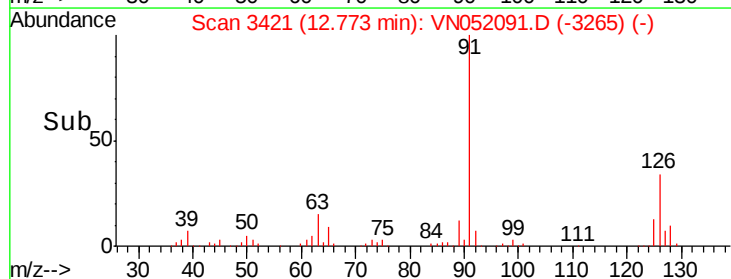
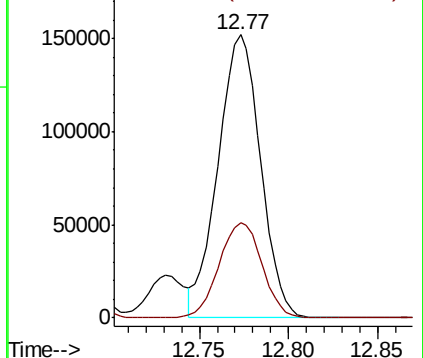
91 100

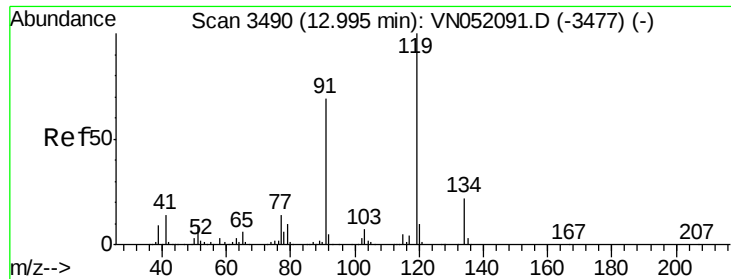
126 34.0 0.0 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

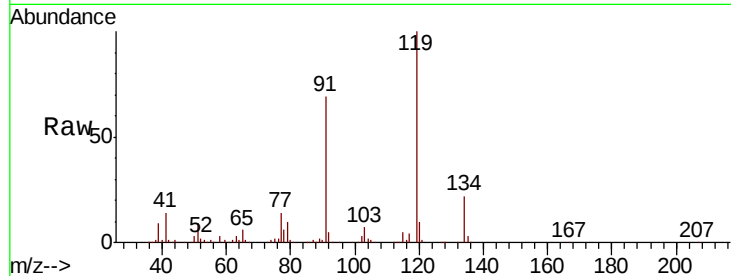




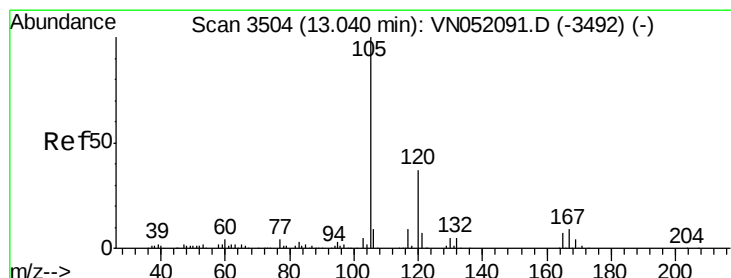
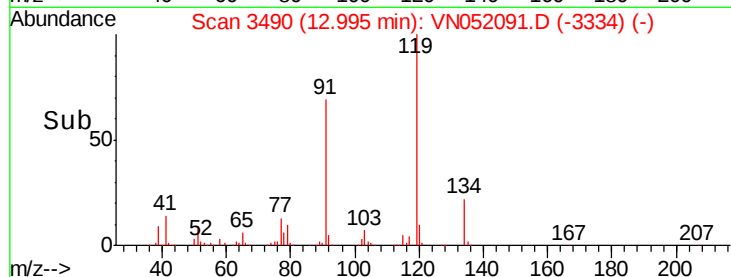
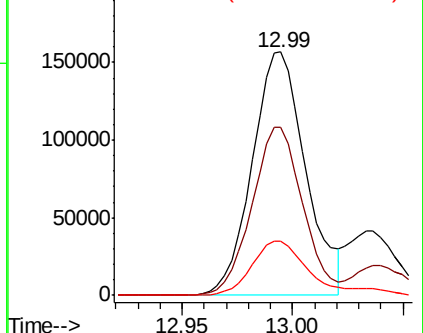
#79
tert-butylbenzene
Concen: 19.883 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:119 Resp: 263869
Ion Ratio Lower Upper
119 100
91 65.6 0.0 131.2
134 22.9 0.0 45.8

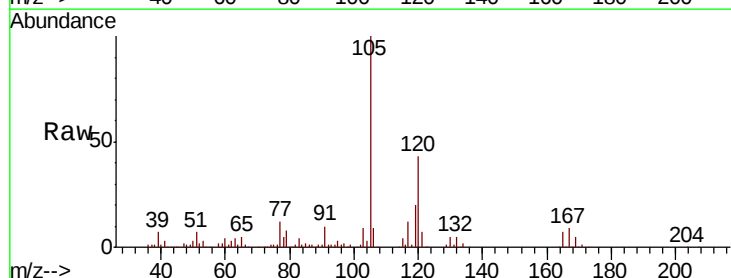


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

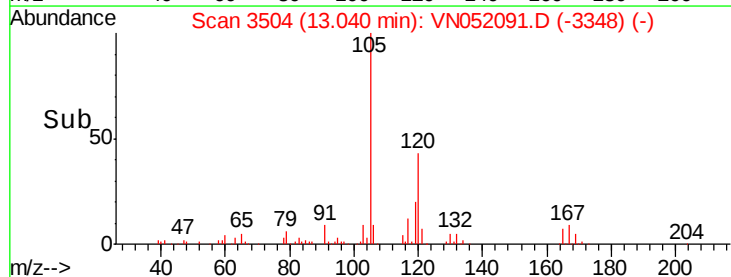
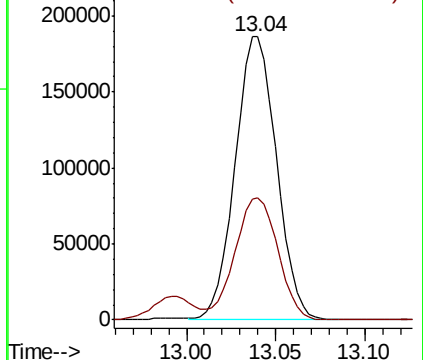


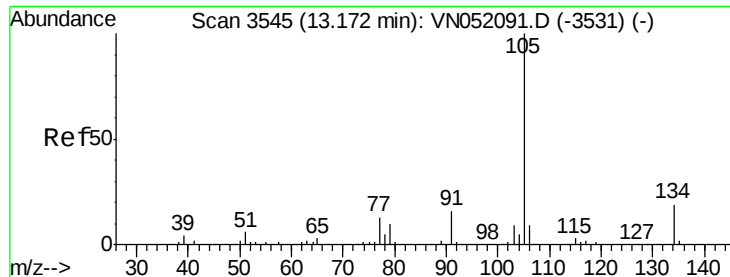
#80
1,2,4-Trimethylbenzene
Concen: 19.831 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion:105 Resp: 300989
Ion Ratio Lower Upper
105 100
120 44.7 0.0 89.4



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

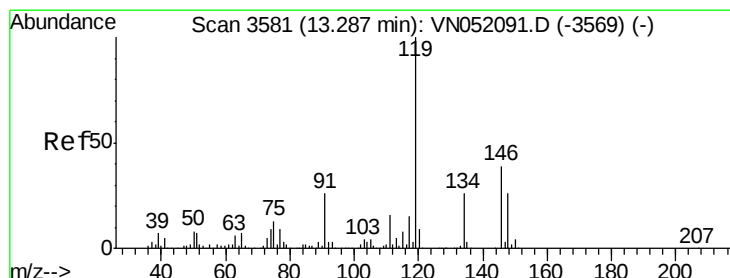
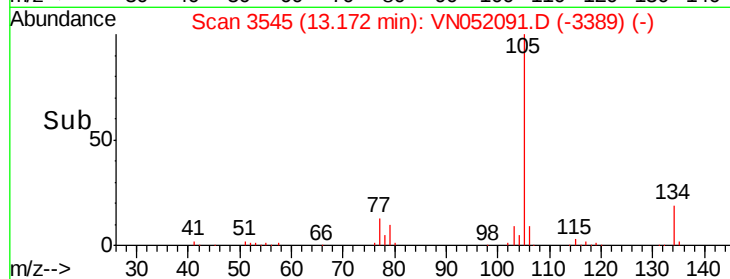
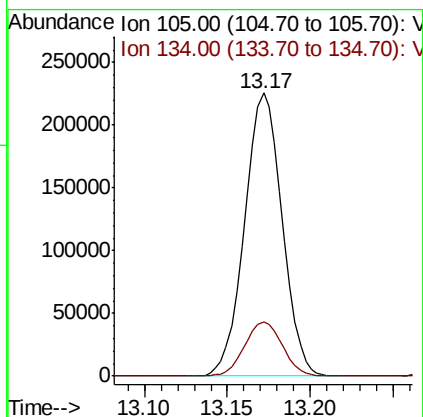
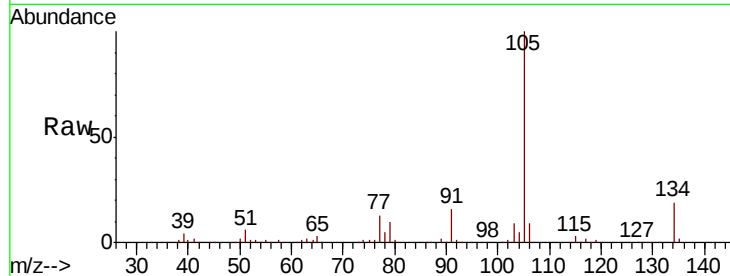




#81
 sec-Butylbenzene
 Concen: 19.482 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

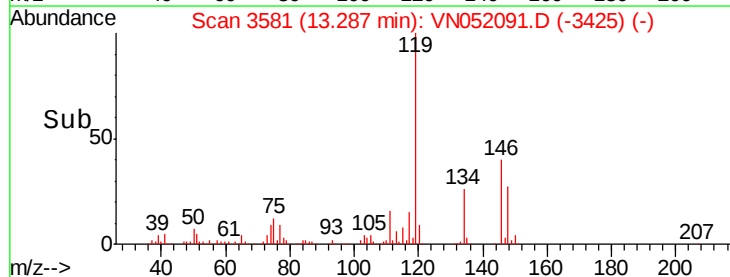
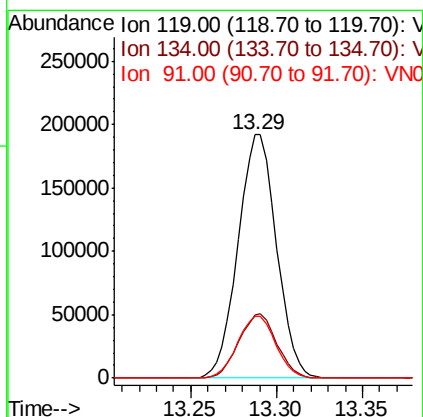
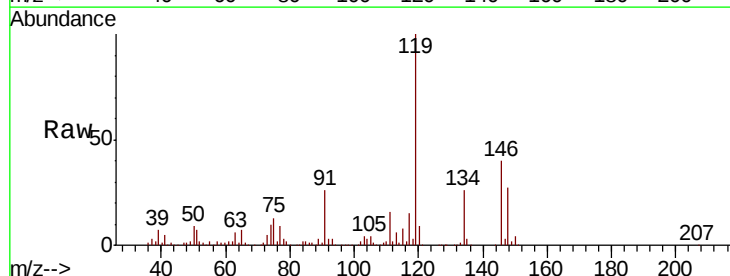
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

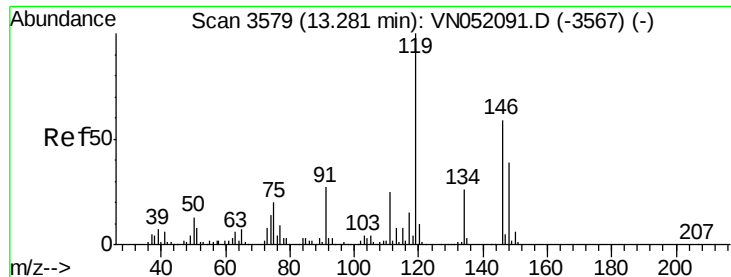
Tgt Ion:105 Resp: 355818
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 38.6



#82
 p-Isopropyltoluene
 Concen: 19.267 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion:119 Resp: 297382
 Ion Ratio Lower Upper
 119 100
 134 26.0 0.0 52.0
 91 25.4 0.0 50.8

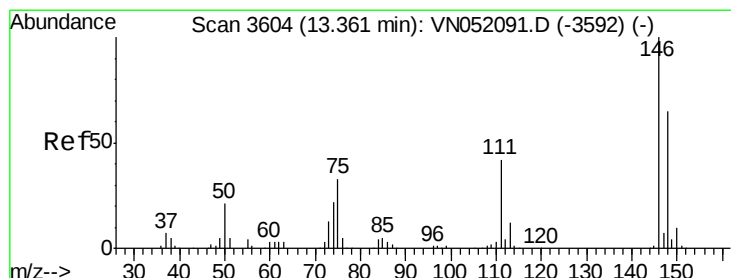
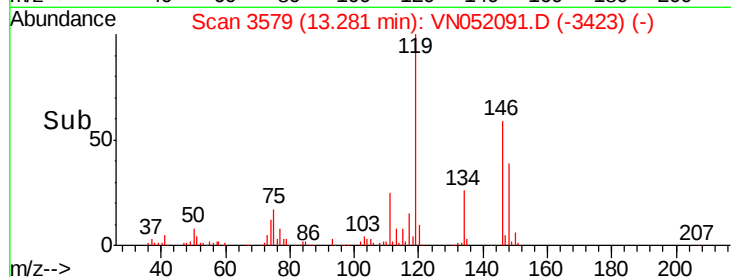
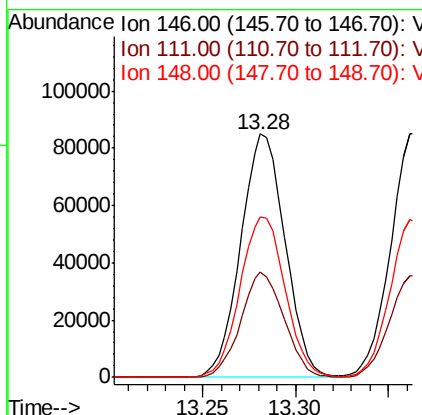
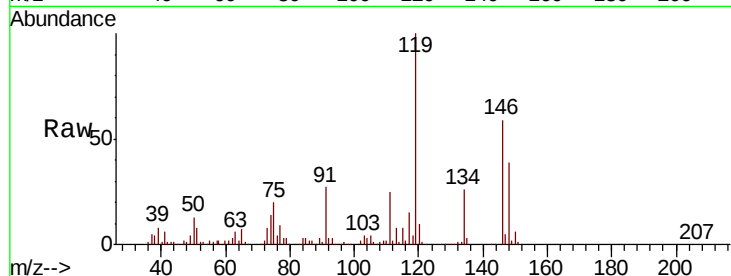




#83
 1,3-Dichlorobenzene
 Concen: 18.987 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

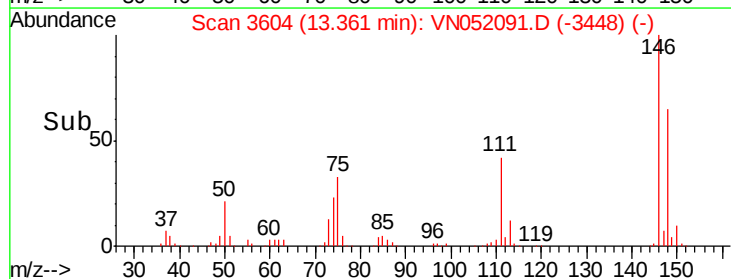
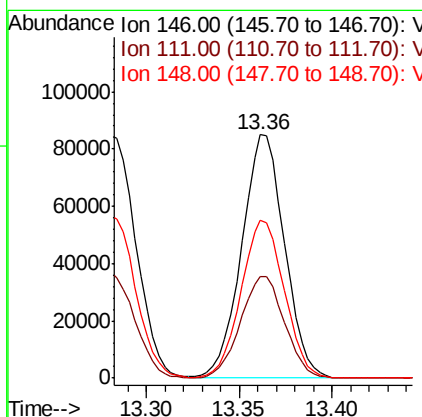
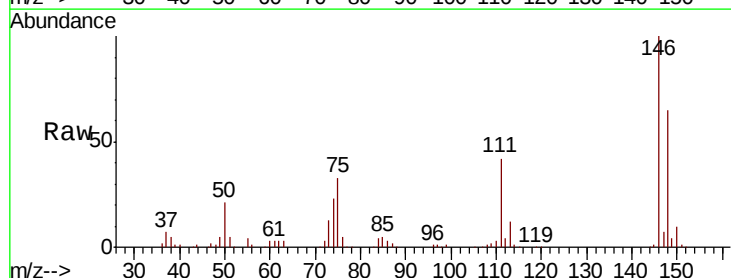
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

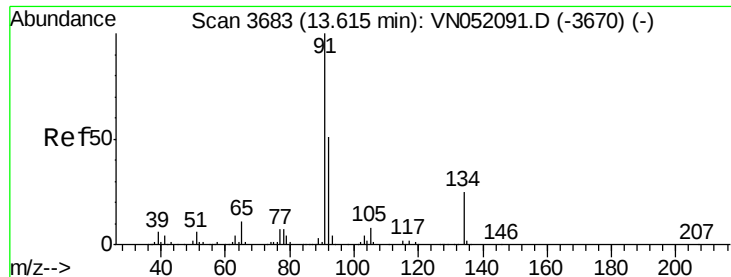
Tgt Ion:146 Resp: 141389
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.0 63.0
 148 66.8 33.4 100.2



#84
 1,4-Dichlorobenzene
 Concen: 18.536 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion:146 Resp: 136643
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.4 64.2
 148 65.3 32.6 98.0

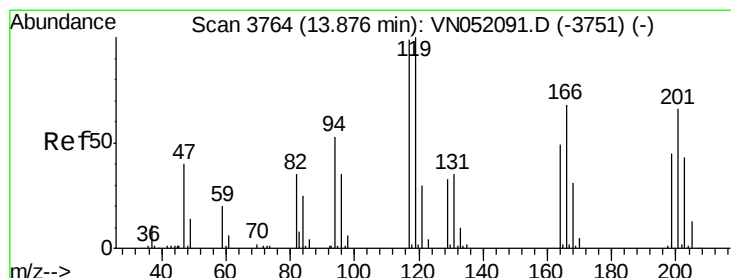
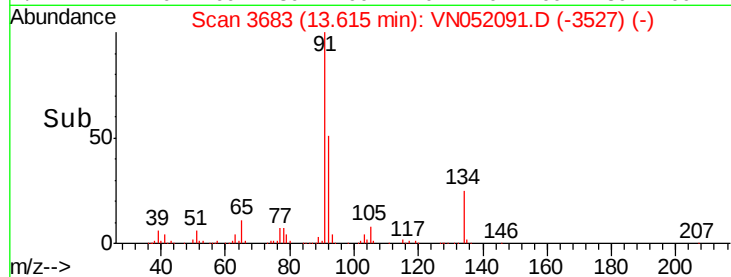
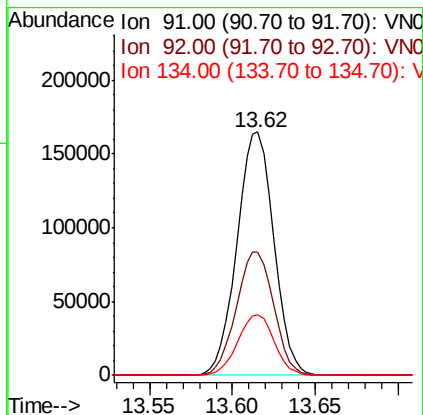
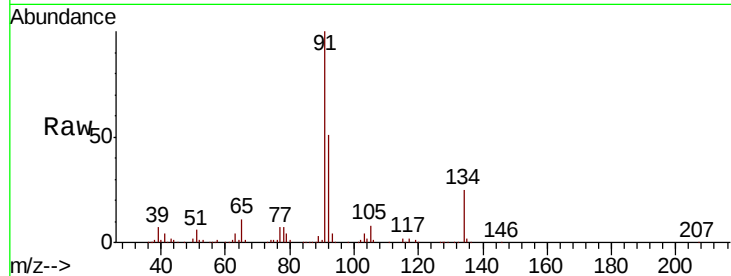




#85
n-Butylbenzene
Concen: 19.040 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

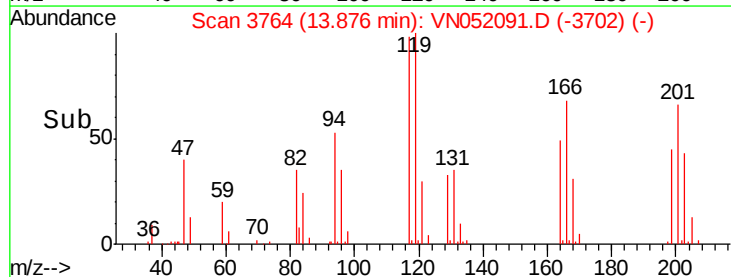
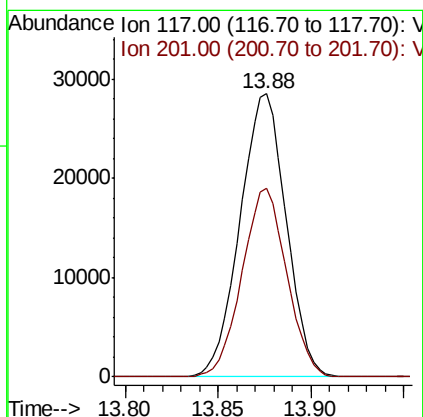
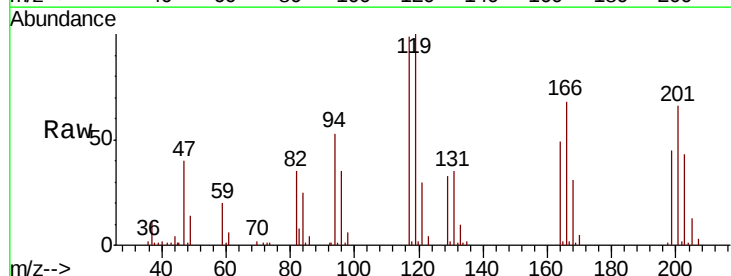
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

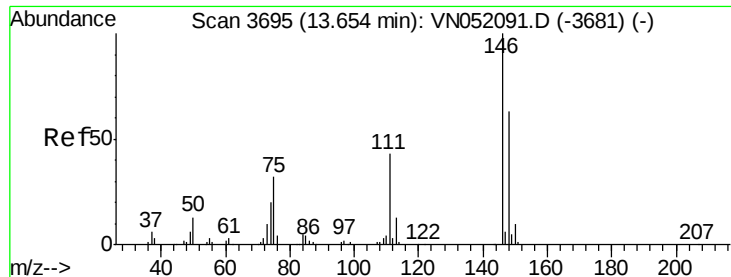
Tgt Ion: 91 Resp: 254350
Ion Ratio Lower Upper
91 100
92 51.4 0.0 102.8
134 24.6 0.0 49.2



#86
Hexachloroethane
Concen: 18.903 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion: 117 Resp: 49236
Ion Ratio Lower Upper
117 100
201 64.4 32.2 96.6

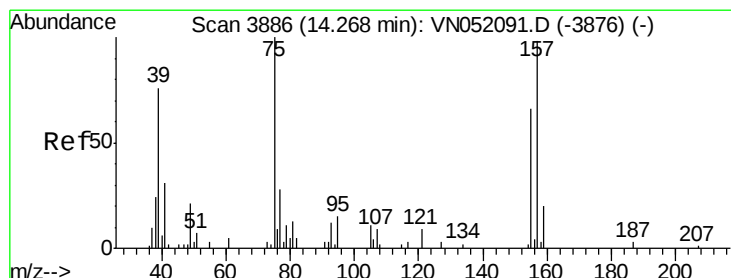
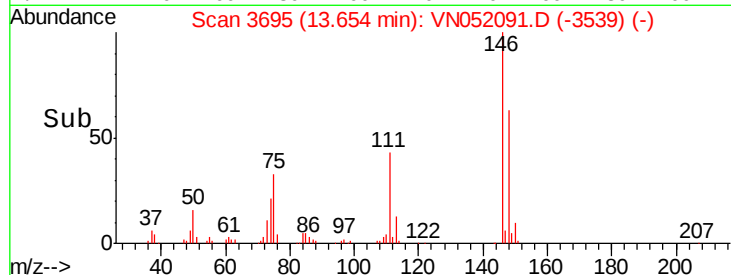
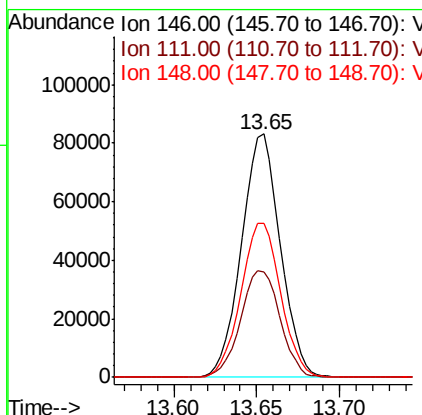
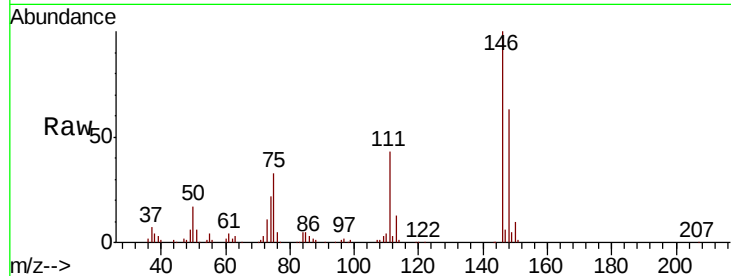




#87
 1,2-Dichlorobenzene
 Concen: 19.149 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

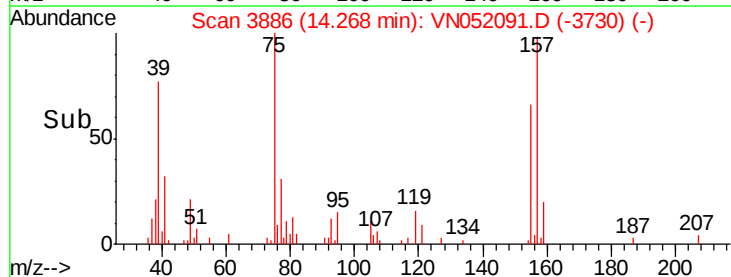
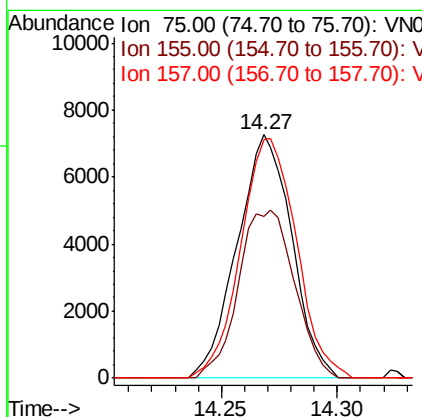
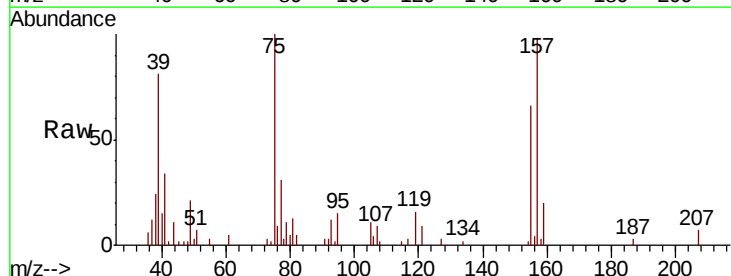
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

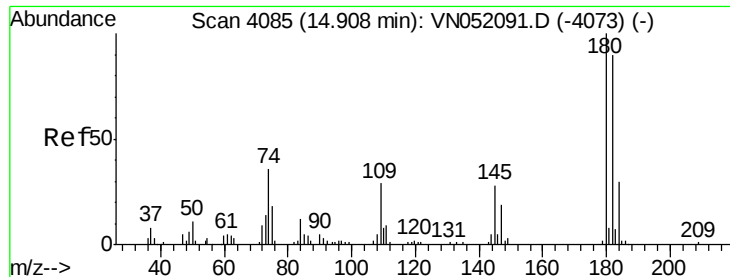
Tgt Ion:146 Resp: 135482
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.4 67.0
 148 64.9 32.5 97.4



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.791 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 75 Resp: 11881
 Ion Ratio Lower Upper
 75 100
 155 70.9 56.7 85.1
 157 100.5 80.4 120.6

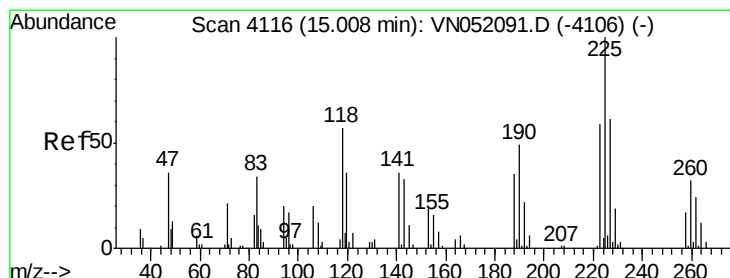
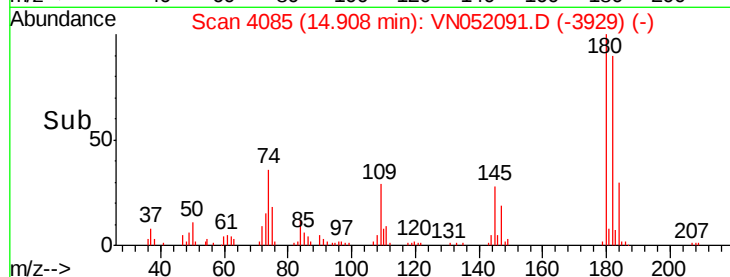
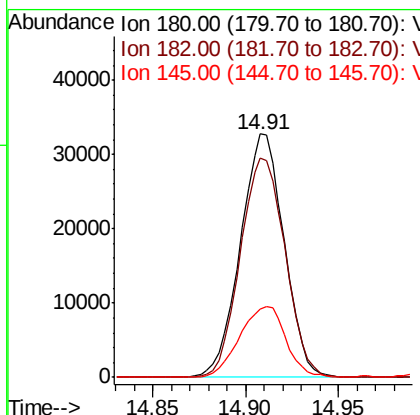
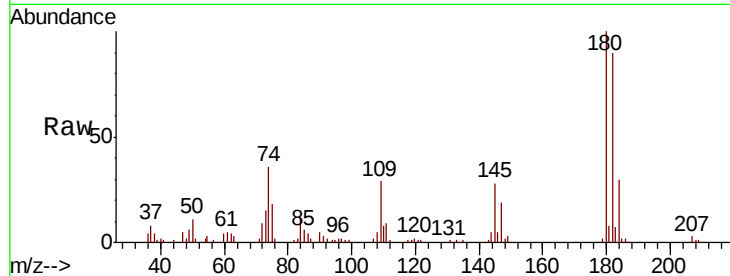




#89
 1,2,4-Trichlorobenzene
 Concen: 18.699 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

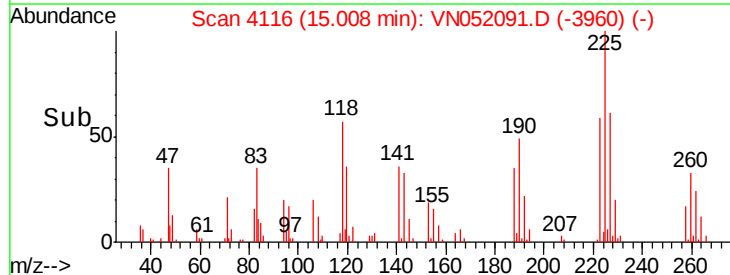
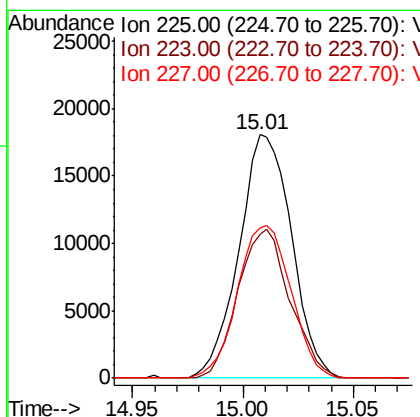
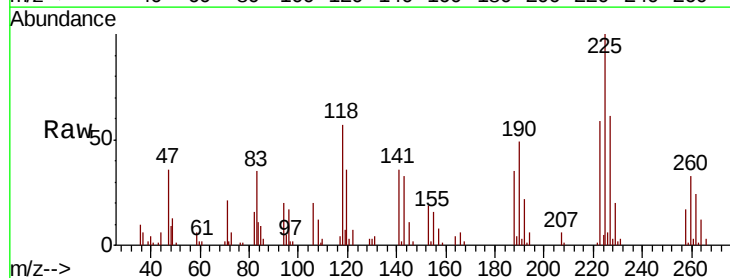
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

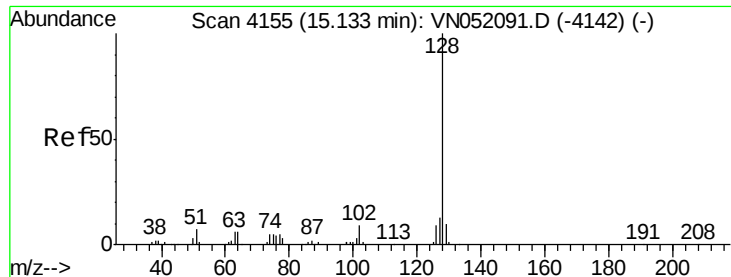
Tgt Ion:180 Resp: 53704
 Ion Ratio Lower Upper
 180 100
 182 92.5 74.0 111.0
 145 30.7 24.6 36.8



#90
 Hexachlorobutadiene
 Concen: 18.978 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion:225 Resp: 29820
 Ion Ratio Lower Upper
 225 100
 223 60.6 0.0 121.2
 227 63.6 0.0 127.2





#91

Naphthalene

Concen: 19.064 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

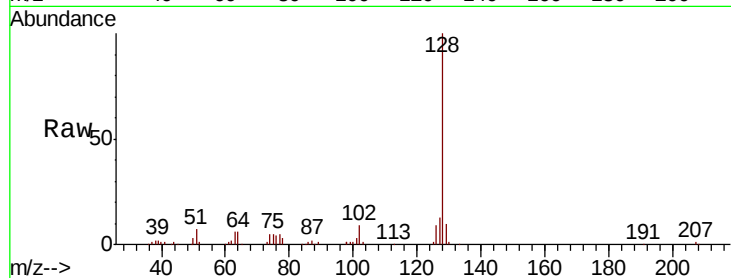
Tgt Ion:128 Resp: 126198

Ion Ratio Lower Upper

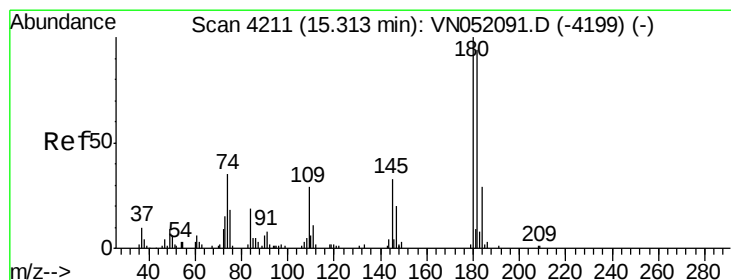
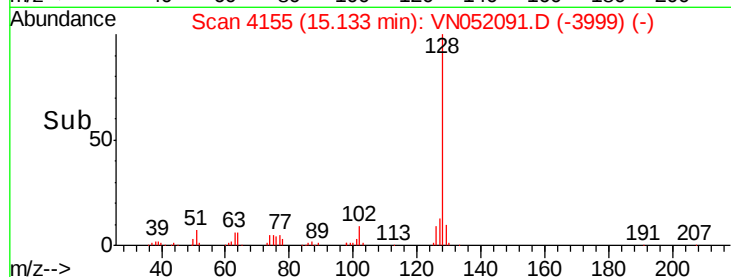
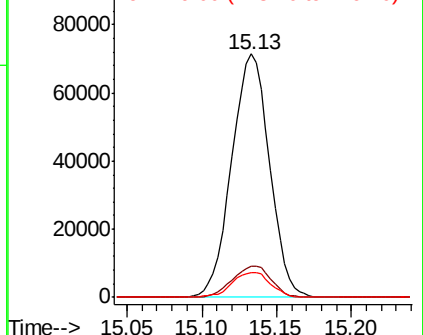
128 100

127 13.0 10.4 15.6

129 10.4 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.385 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

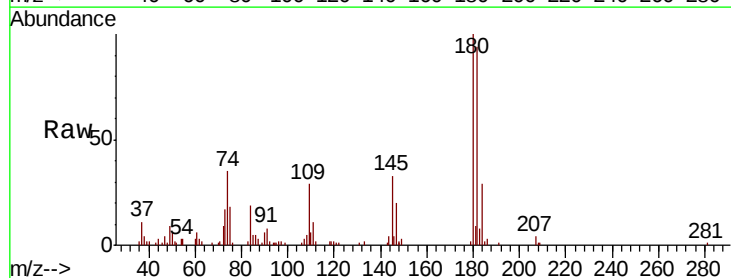
Tgt Ion:180 Resp: 46020

Ion Ratio Lower Upper

180 100

182 93.3 0.0 186.6

145 33.3 0.0 66.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

