

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052094.D
 Acq On : 1 Nov 2018 10:09
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Nov 02 05:20:00 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	70045	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	404260	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	366956	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	145872	28.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.53%
60) 4-Bromofluorobenzene	12.40	95	173066	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	10.09	98	499502	28.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.50%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	745761	159.412	ug/l 97
3) Chloromethane	2.06	50	777151	145.350	ug/l 99
4) Vinyl Chloride	2.19	62	753109	143.585	ug/l 97
5) Bromomethane	2.55	94	519055	144.983	ug/l 98
6) Chloroethane	2.70	64	466673	139.150	ug/l 97
7) Trichlorofluoromethane	3.02	101	1041331	146.610	ug/l 95
8) Diethyl Ether	3.41	74	353488	147.397	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	612511	147.547	ug/l 94
10) 1,1-Dichloroethene	3.74	96	589003	152.057	ug/l 90
11) Methyl Iodide	3.96	142	925576	165.265	ug/l 97
12) Methyl Acetate	4.32	43	457395	135.923	ug/l 100
13) Acrolein	3.61	56	280817	802.905	ug/l 98
14) Acrylonitrile	4.99	53	1024096	708.302	ug/l 100
15) Acetone	3.81	58	219837	643.320	ug/l 88
16) Carbon Disulfide	4.06	76	1784819	156.053	ug/l 98
17) Allyl chloride	4.33	41	964251	146.614	ug/l 98
18) Methylene Chloride	4.55	84	662990	138.667	ug/l 93
19) trans-1,2-Dichloroethene	5.04	96	635552	149.749	ug/l 94
20) Diisopropyl ether	5.95	45	2072294	144.921	ug/l 96
21) 1,1-Dichloroethane	5.85	63	1187930	142.233	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	726575	146.605	ug/l 98
23) tert-Butyl Alcohol	4.78	59	157752	691.552	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1617968	147.337	ug/l 97
25) Chloroform	7.37	83	1205091	143.697	ug/l 95
26) Cyclohexane	7.66	56	1099727	146.884	ug/l # 99
29) 1,1-Dichloropropene	7.80	75	935039	145.686	ug/l 98
30) 2-Butanone	6.83	43	1159265	678.241	ug/l # 77
31) 2,2-Dichloropropane	6.83	77	974407	147.307	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	1084752	151.055	ug/l 96
33) Carbon Tetrachloride	7.78	117	960674	150.422	ug/l 96
34) Benzene	8.04	78	2712976	144.362	ug/l # 91
35) Methacrylonitrile	7.18	41	310111	89.665	ug/l # 74
36) 1,2-Dichloroethane	8.13	62	870159	138.485	ug/l 99
37) Trichloroethene	8.84	130	718660	152.790	ug/l 89
38) Methylcyclohexane	9.08	83	1159867	148.142	ug/l 97
39) 1,2-Dichloropropane	9.12	63	711356	142.199	ug/l 95
40) Dibromomethane	9.21	93	436133	141.440	ug/l 92

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Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 02 05:20:00 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)
41) Bromodichloromethane	9.40	83	935711	148.313	ug/l	97
42) Vinyl Acetate	5.90	43	7430335	742.574	ug/l	99
43) Ethyl Acetate	6.83	43	1159265	97.439	ug/l #	88
44) Isopropyl Acetate	8.16	43	1036848	145.791	ug/l	98
45) 1,4-Dioxane	9.20	88	91767	2828.513	ug/l #	80
46) Methyl methacrylate	9.20	41	512425	144.748	ug/l	98
47) n-amyl Acetate	12.07	43	967698	149.992	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	980427	156.498	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	1117355	154.525	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	591551	145.079	ug/l	98
51) Ethyl methacrylate	10.43	69	792163	150.324	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1021140	143.774	ug/l	99
53) Dibromochloromethane	10.90	129	715717	162.591	ug/l	99
54) 1,2-Dibromoethane	11.01	107	627523	151.768	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	2162954	749.547	ug/l	98
56) Bromoform	12.13	173	427750	168.245	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	2743206	697.640	ug/l	99
59) 2-Hexanone	10.75	43	1840469	679.792	ug/l	98
61) Tetrachloroethene	10.63	164	609853	152.812	ug/l	94
62) Toluene	10.16	91	3046670	147.900	ug/l	98
64) Chlorobenzene	11.44	112	1948050	149.213	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	691218	155.556	ug/l	99
66) Ethyl Benzene	11.51	91	3339723	150.093	ug/l	99
67) m/p-Xylenes	11.62	106	2588815	302.201	ug/l	97
68) o-Xylene	11.95	106	1245754	152.529	ug/l	94
69) Styrene	11.96	104	2028264	154.110	ug/l	97
70) Isopropylbenzene	12.25	105	3308214	150.887	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	677254	140.435	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	914711	228.104	ug/l	52
73) Bromobenzene	12.53	156	764751	157.414	ug/l	89
74) n-propylbenzene	12.59	91	3829638	149.994	ug/l	98
75) 2-Chlorotoluene	12.67	91	2147745	145.908	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	2646867	150.554	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	218319	164.554	ug/l	91
78) 4-Chlorotoluene	12.77	91	2239242	151.063	ug/l	97
79) tert-butylbenzene	12.99	119	2286810	149.322	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	2667594	152.307	ug/l	98
81) sec-Butylbenzene	13.17	105	3216141	152.597	ug/l	99
82) p-Isopropyltoluene	13.29	119	2774432	155.769	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	1357384	157.958	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	1367650	160.768	ug/l	96
85) n-Butylbenzene	13.62	91	2446745	158.717	ug/l	99
86) Hexachloroethane	13.88	117	494949	164.670	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	1265284	154.974	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	94919	143.940	ug/l #	87
89) 1,2,4-Trichlorobenzene	14.91	180	569426	171.811	ug/l	96
90) Hexachlorobutadiene	15.01	225	283758	156.492	ug/l	98
91) Naphthalene	15.13	128	1304768	170.801	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	495541	171.557	ug/l	100

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Misc : 5.00mL/MSVOA_N/WATER
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MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Nov 02 05:20:00 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

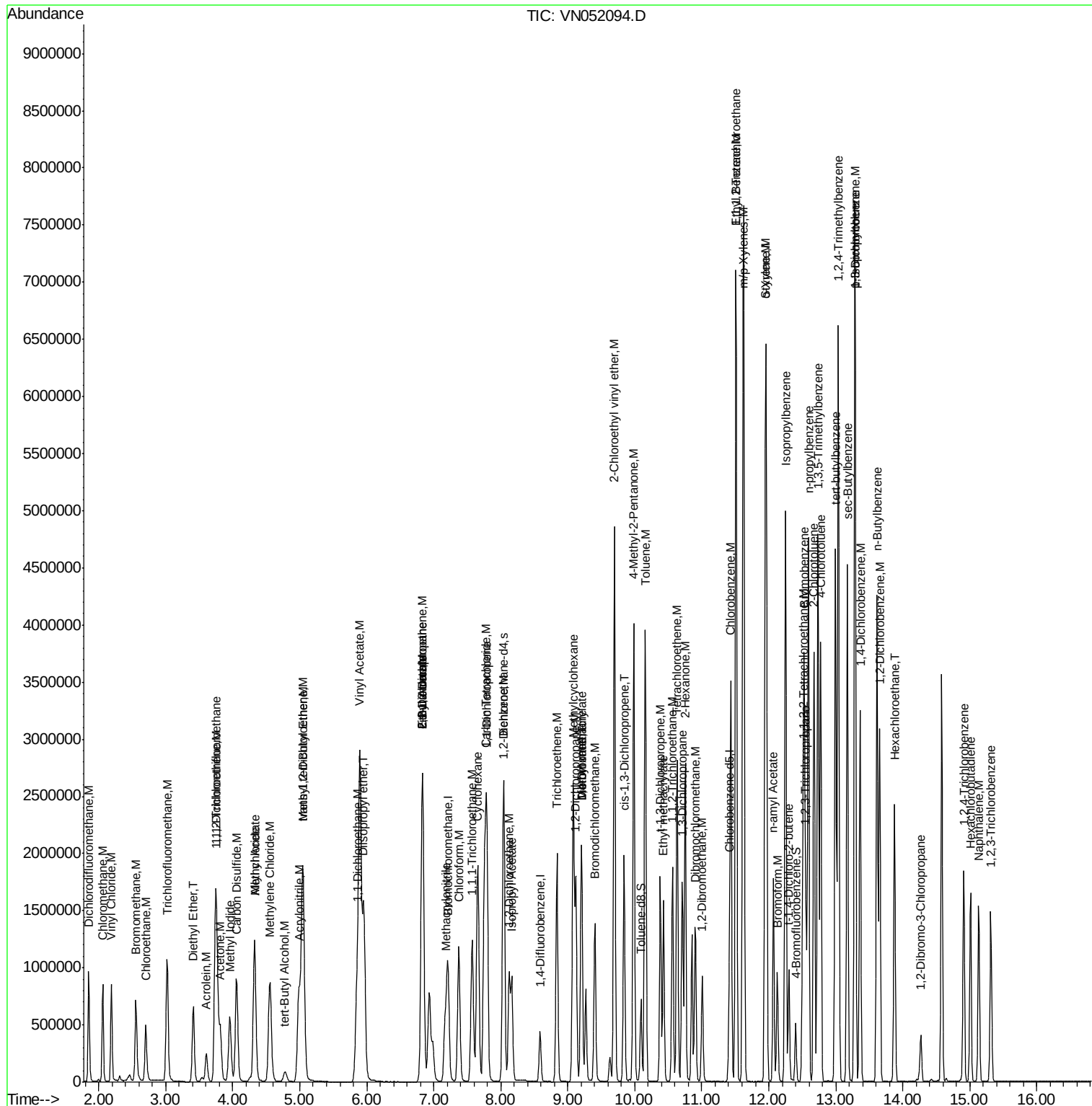
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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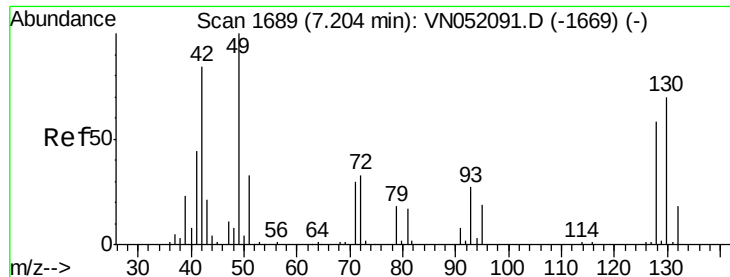
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN052094.D
Acq On : 1 Nov 2018 10:09
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Sample : VSTDIC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Quant Time: Nov 02 05:20:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
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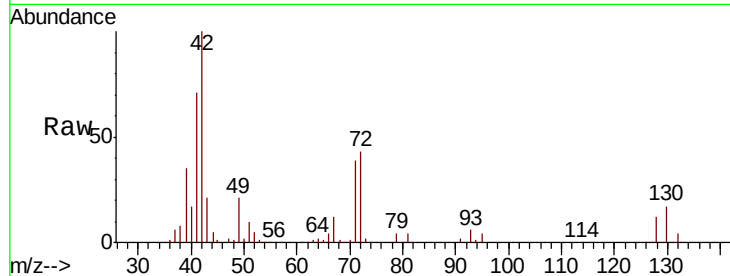




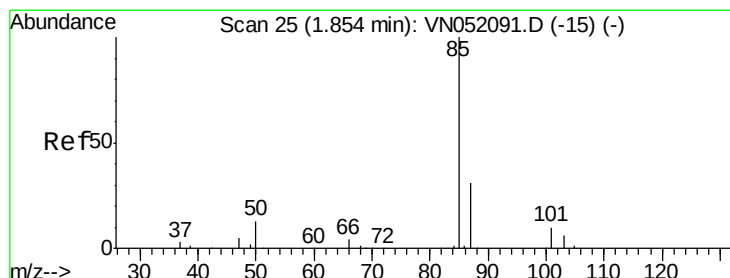
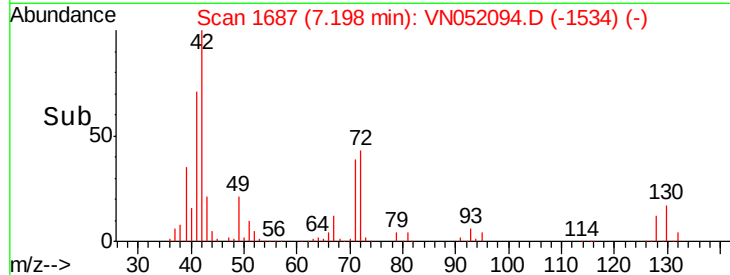
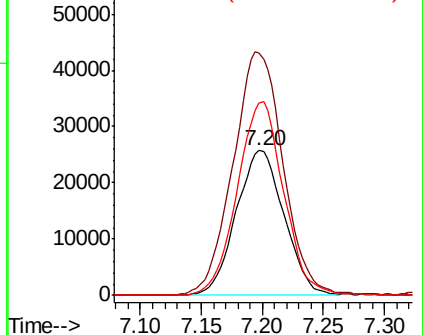
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.01 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 128 Resp: 70045
 Ion Ratio Lower Upper
 128 100
 49 175.6 0.0 453.7
 130 129.5 0.0 308.8

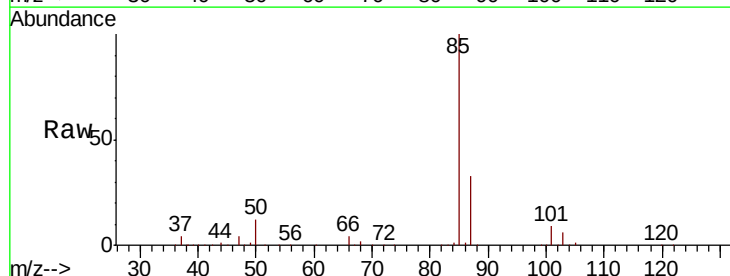


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

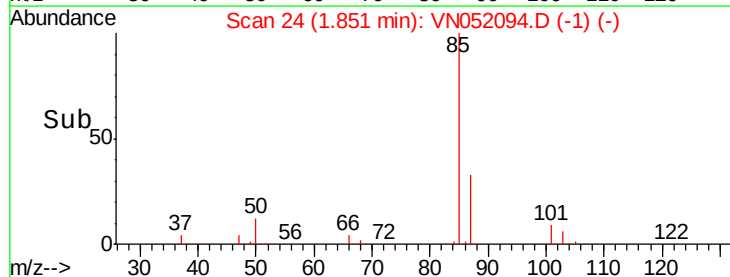
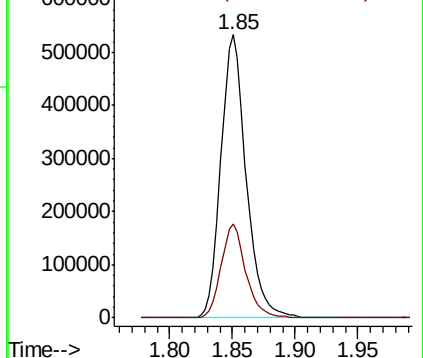


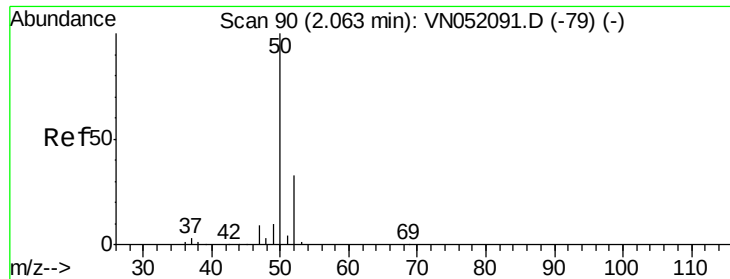
#2
 Dichlorodifluoromethane
 Concen: 159.412 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 85 Resp: 745761
 Ion Ratio Lower Upper
 85 100
 87 33.1 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: 145.350 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

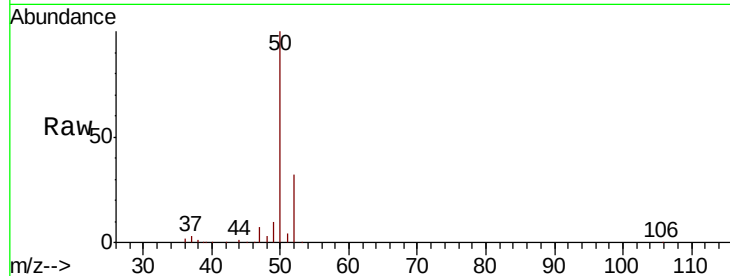
VSTDIC150

Tgt Ion: 50 Resp: 777151

Ion Ratio Lower Upper

50 100

52 32.4 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN052091.D (-79) (-)

Ion 52.00 (51.70 to 52.70): VN052091.D (-79) (-)

2.06

500000

400000

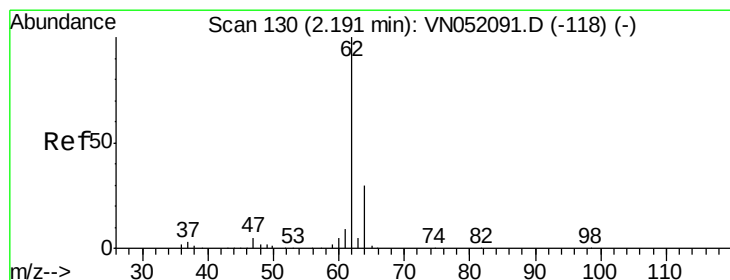
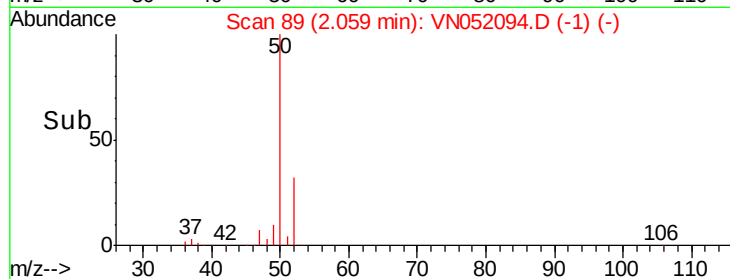
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 143.585 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052094.D

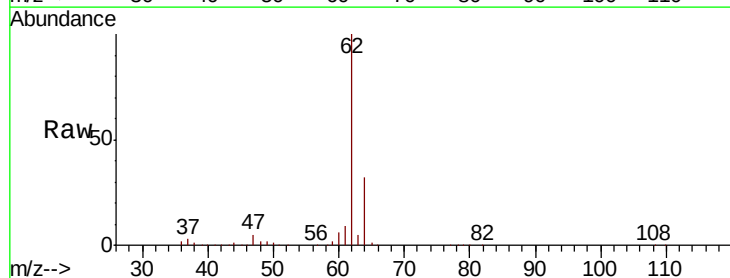
Acq: 1 Nov 2018 10:09

Tgt Ion: 62 Resp: 753109

Ion Ratio Lower Upper

62 100

64 32.2 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN052091.D (-118) (-)

Ion 64.00 (63.70 to 64.70): VN052091.D (-118) (-)

2.19

500000

400000

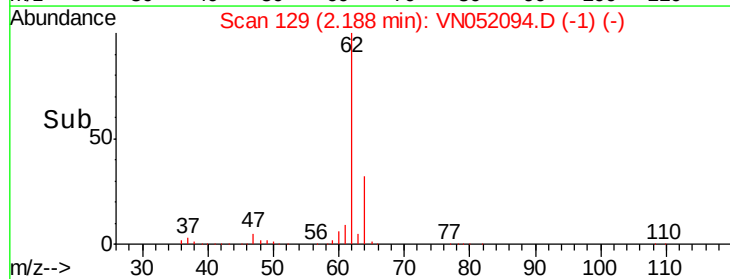
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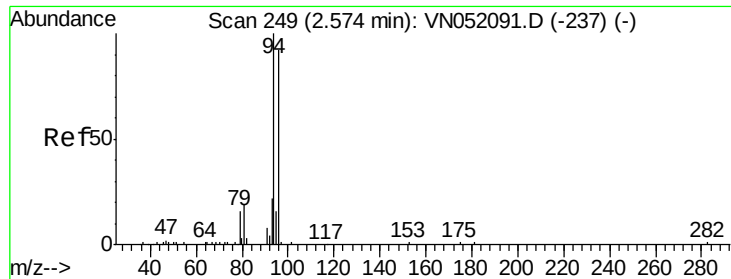
200000

100000

0

Time-->





#5

Bromomethane

Concen: 144.983 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.02 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampled :

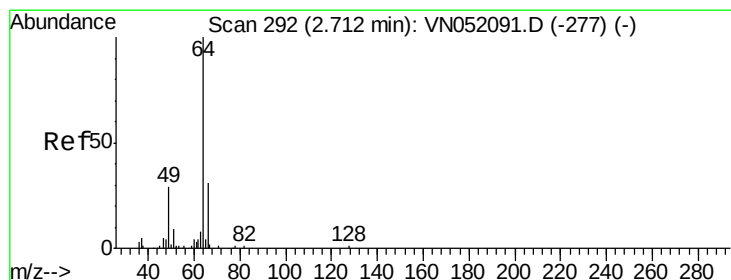
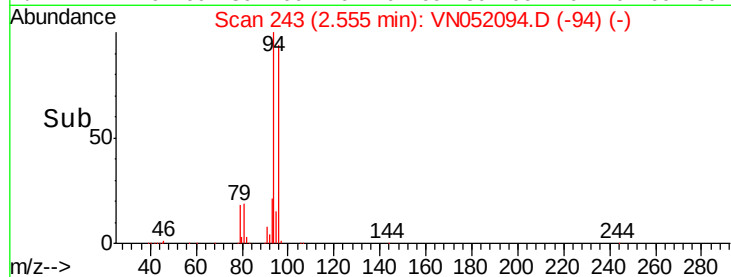
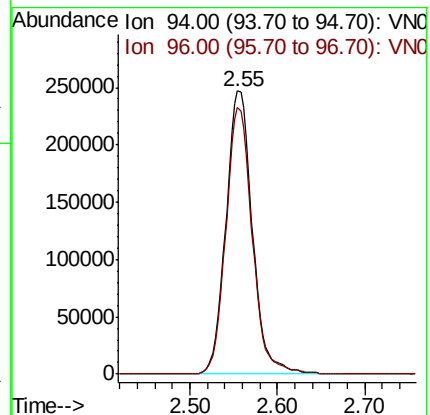
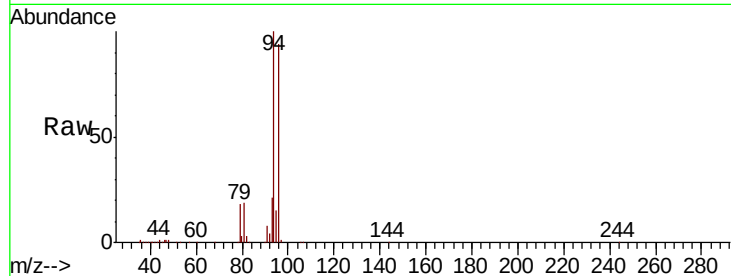
VSTDIC150

Tgt Ion: 94 Resp: 519055

Ion Ratio Lower Upper

94 100

96 94.1 73.4 110.0



#6

Chloroethane

Concen: 139.150 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN052094.D

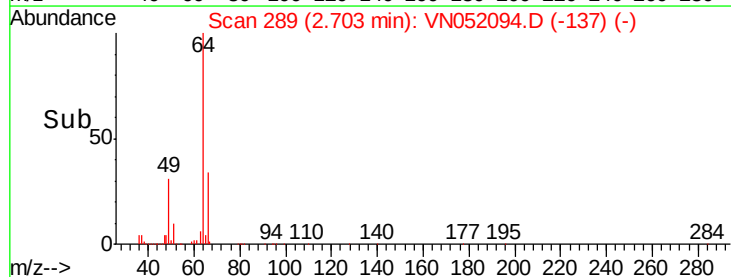
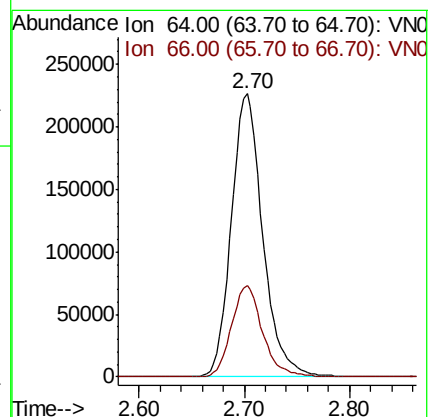
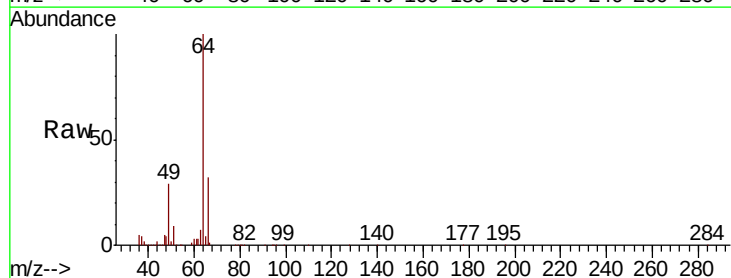
Acq: 1 Nov 2018 10:09

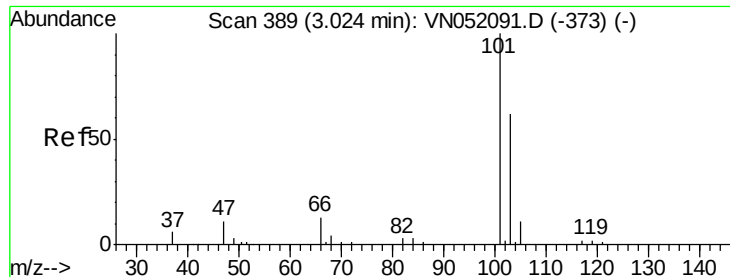
Tgt Ion: 64 Resp: 466673

Ion Ratio Lower Upper

64 100

66 32.3 24.7 37.1



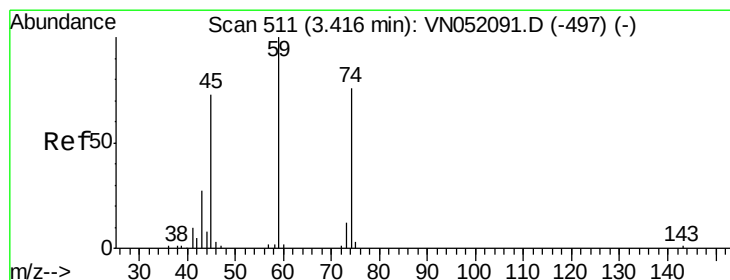
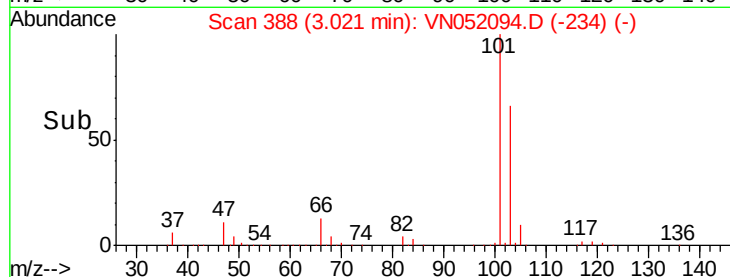
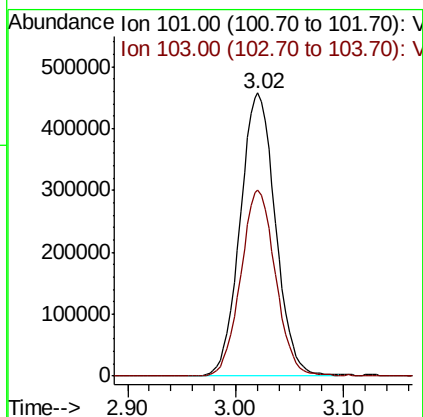
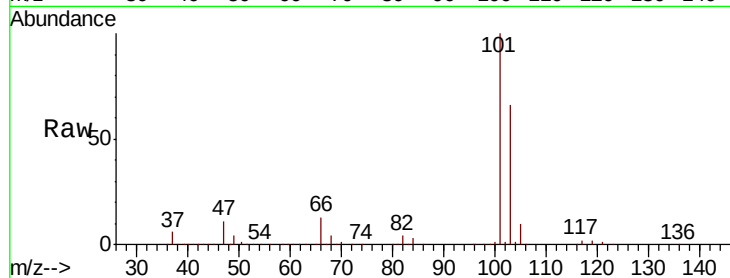


#7

Trichlorofluoromethane
Concen: 146.610 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

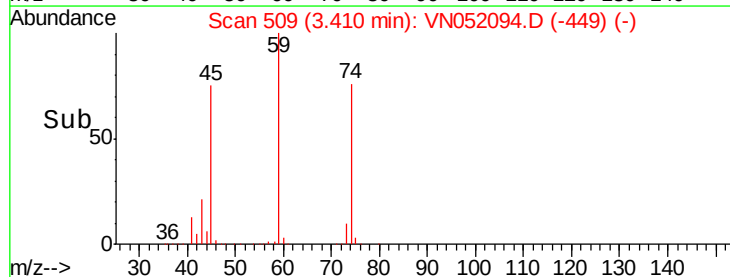
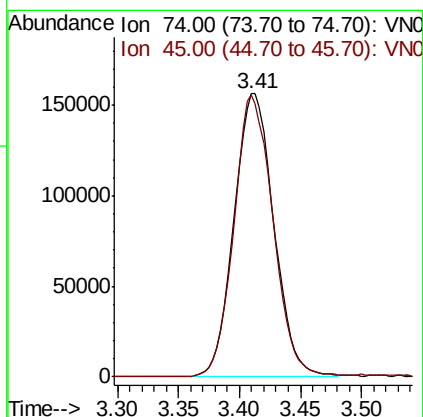
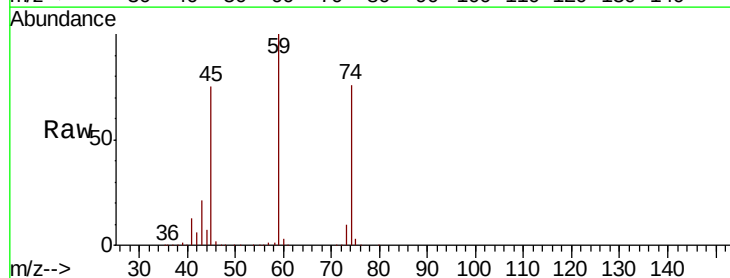
Tgt Ion:101 Resp: 1041331
Ion Ratio Lower Upper
101 100
103 65.8 49.5 74.3

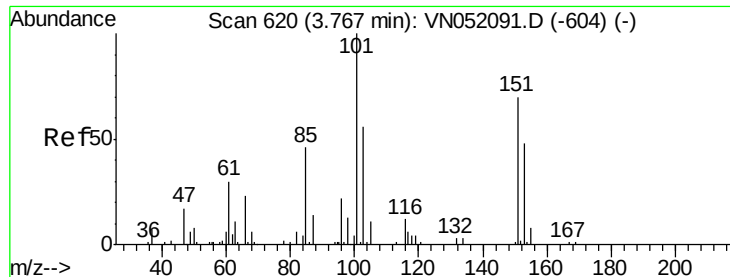


#8

Diethyl Ether
Concen: 147.397 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.01 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 74 Resp: 353488
Ion Ratio Lower Upper
74 100
45 97.5 19.4 174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 147.547 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

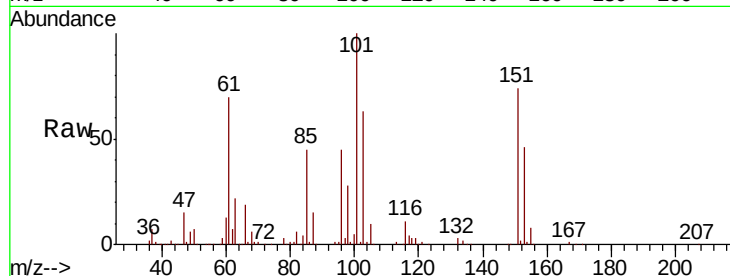
Tgt Ion:101 Resp: 612511

Ion Ratio Lower Upper

101 100

85 44.8 0.0 98.0

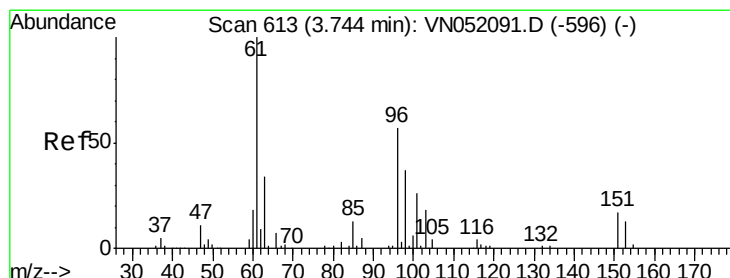
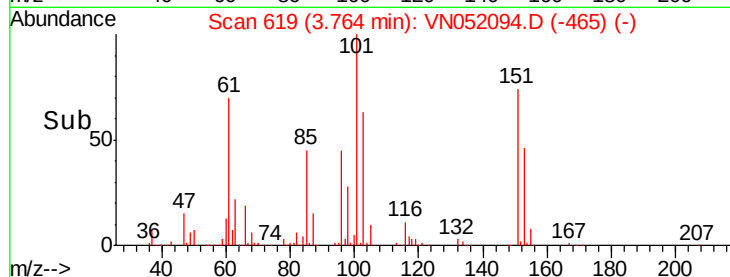
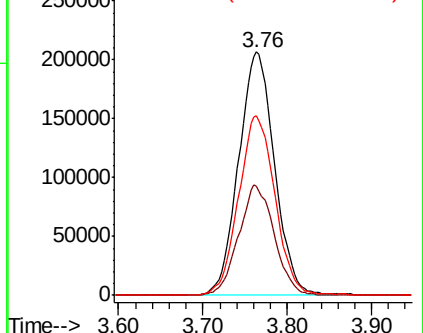
151 74.6 0.0 139.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 152.057 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

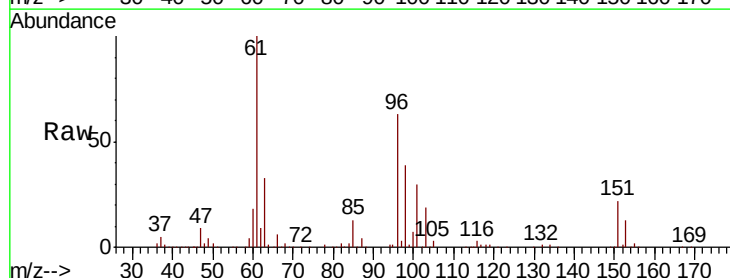
Tgt Ion: 96 Resp: 589003

Ion Ratio Lower Upper

96 100

61 159.0 140.3 210.5

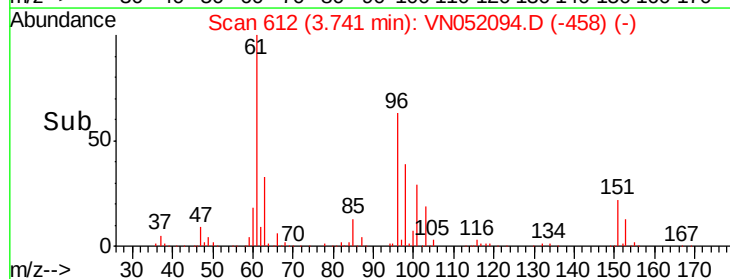
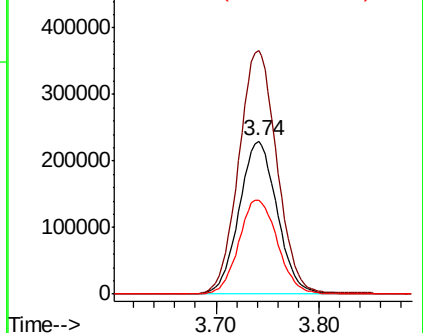
98 61.5 52.0 78.0

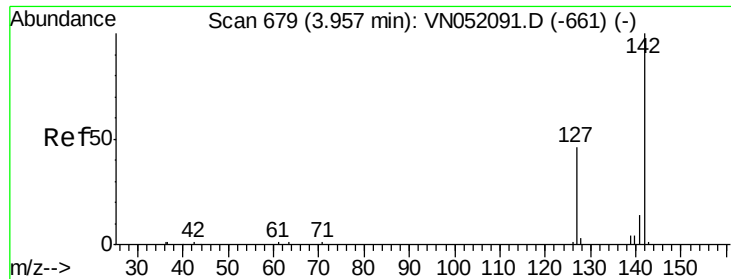


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

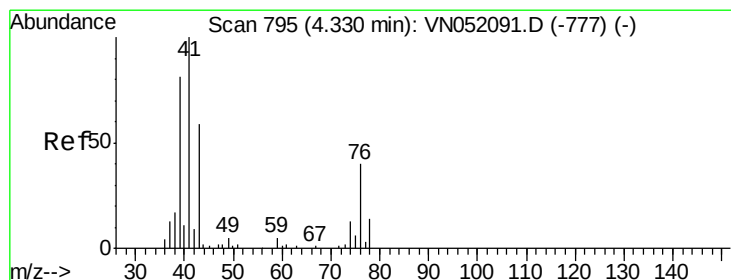
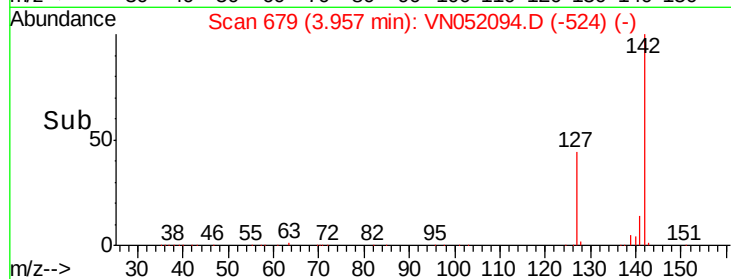
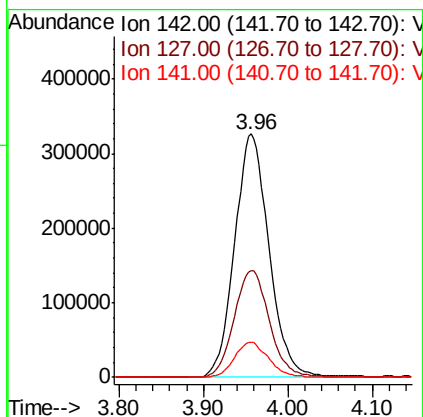
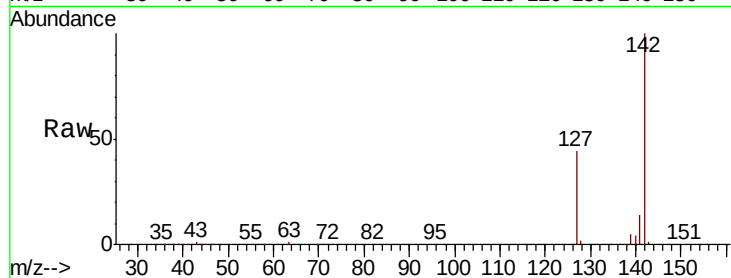




#11
Methyl Iodide
Concen: 165.265 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

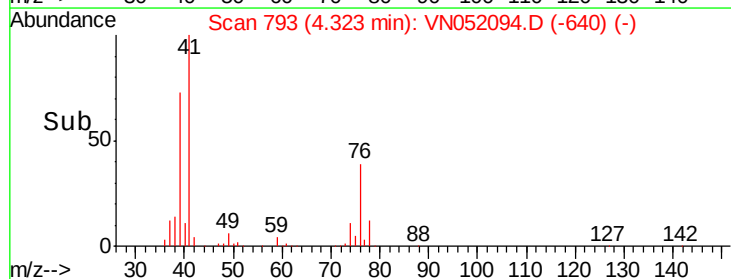
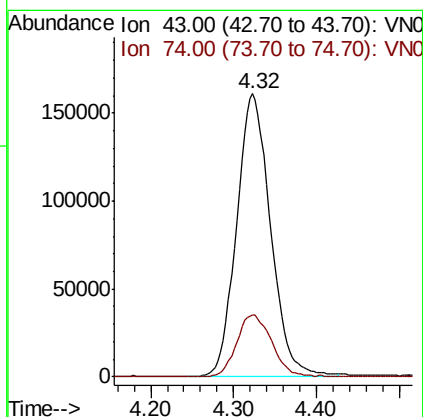
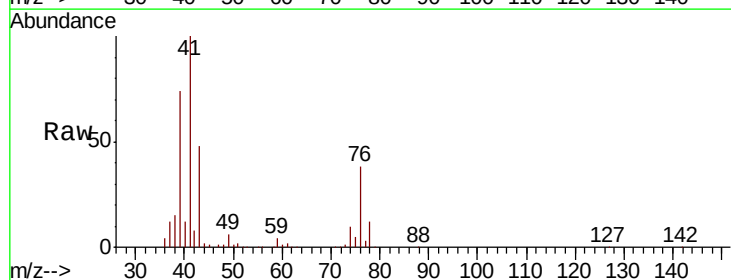
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

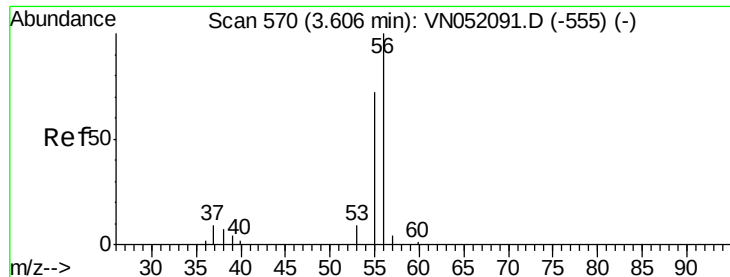
Tgt Ion:142 Resp: 925576
Ion Ratio Lower Upper
142 100
127 44.0 23.1 69.2
141 14.5 7.0 20.9



#12
Methyl Acetate
Concen: 135.923 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 43 Resp: 457395
Ion Ratio Lower Upper
43 100
74 21.7 17.4 26.2





#13

Acrolein

Concen: 802.905 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

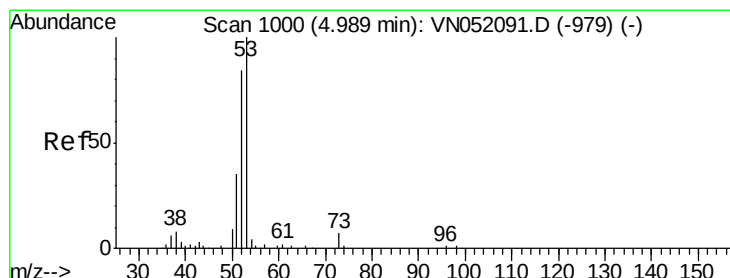
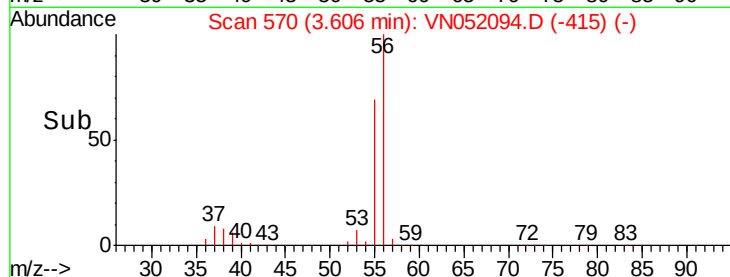
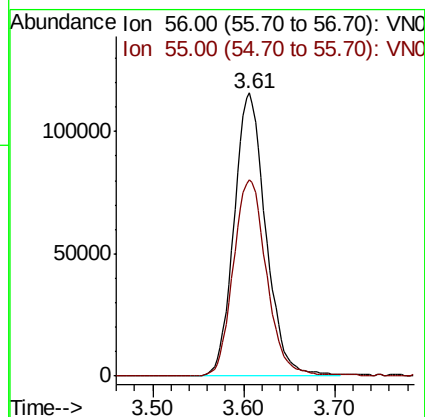
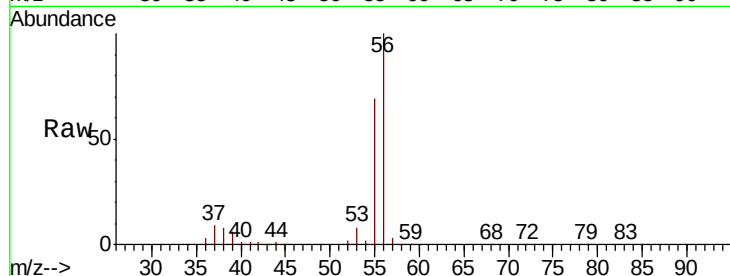
VSTDIC150

Tgt Ion: 56 Resp: 280817

Ion Ratio Lower Upper

56 100

55 72.0 56.2 84.2



#14

Acrylonitrile

Concen: 708.302 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

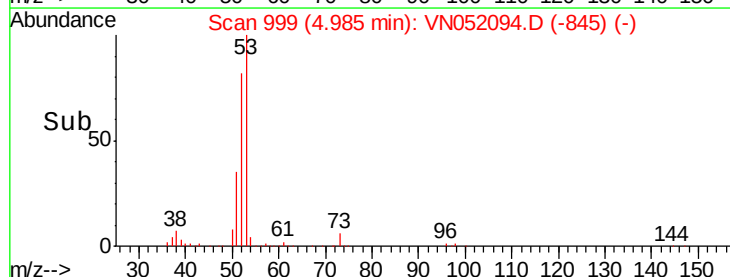
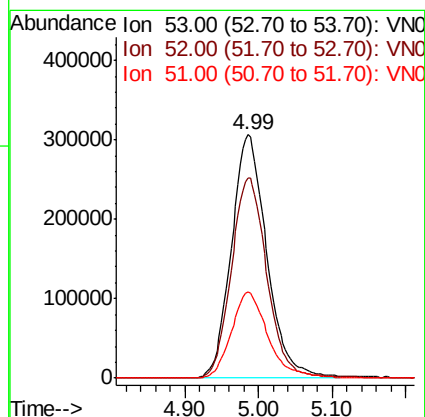
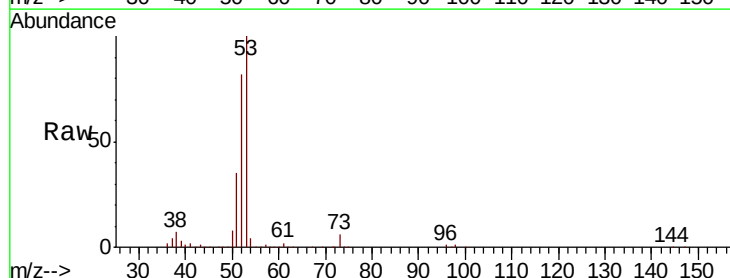
Tgt Ion: 53 Resp: 1024096

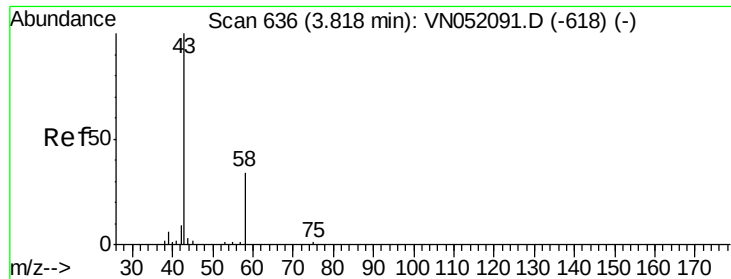
Ion Ratio Lower Upper

53 100

52 82.6 41.3 124.1

51 36.5 18.6 55.6





#15

Acetone

Concen: 643.320 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampled :

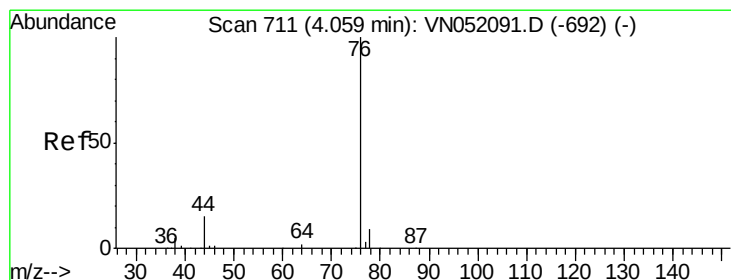
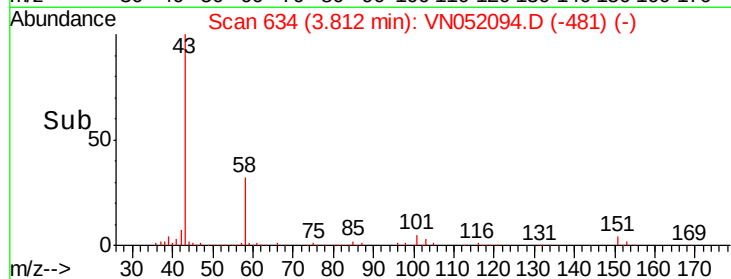
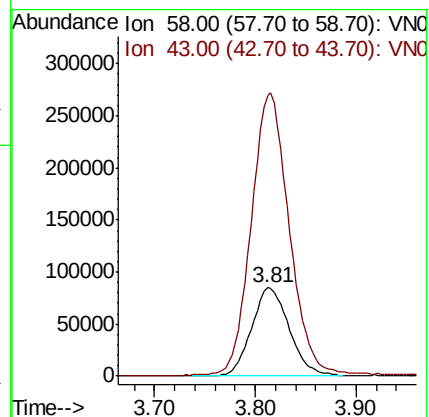
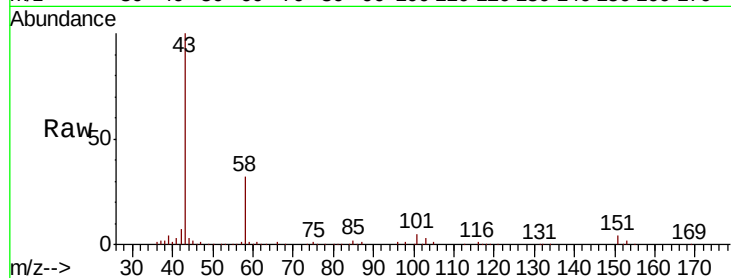
VSTDIC150

Tgt Ion: 58 Resp: 219837

Ion Ratio Lower Upper

58 100

43 317.1 234.7 352.1



#16

Carbon Disulfide

Concen: 156.053 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052094.D

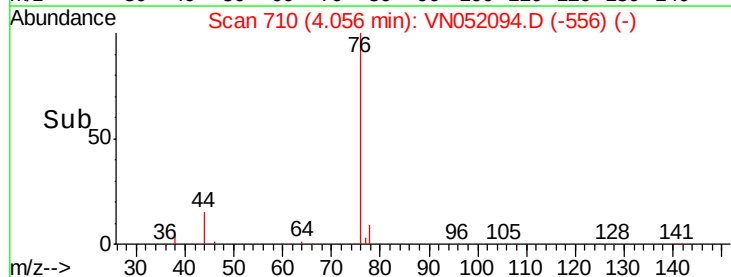
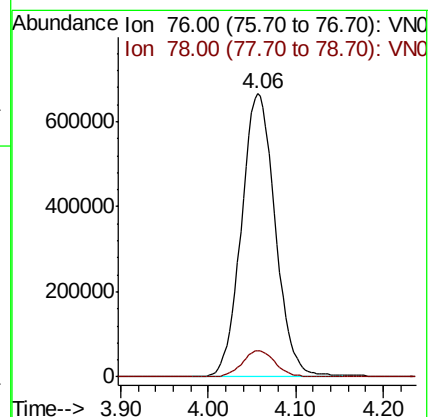
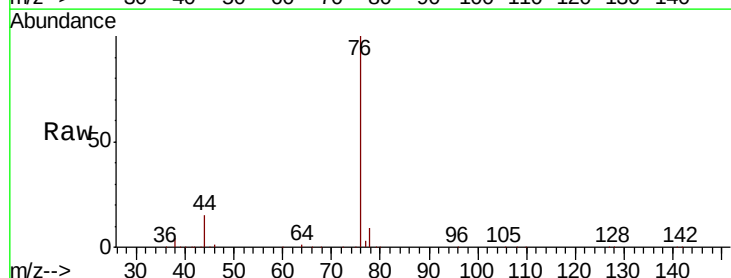
Acq: 1 Nov 2018 10:09

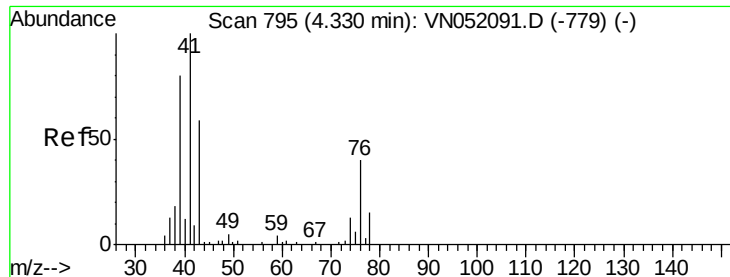
Tgt Ion: 76 Resp: 1784819

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6

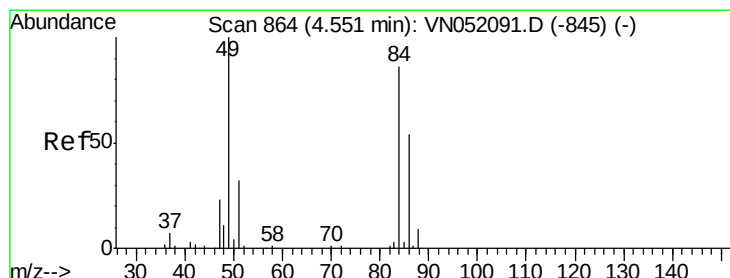
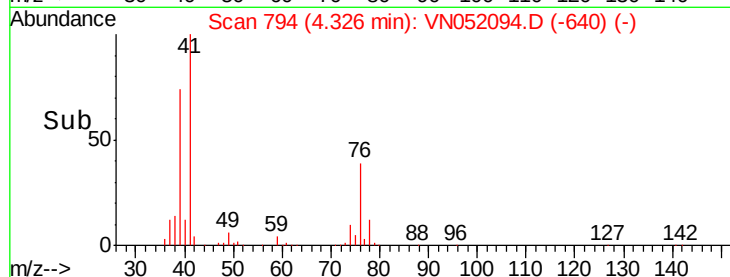
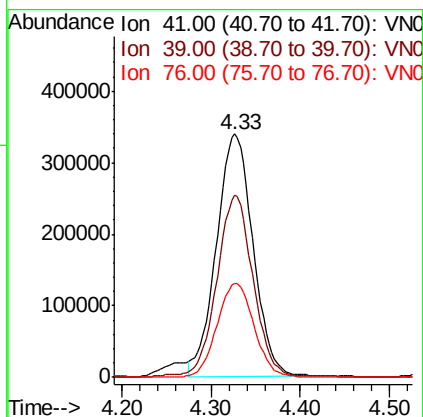
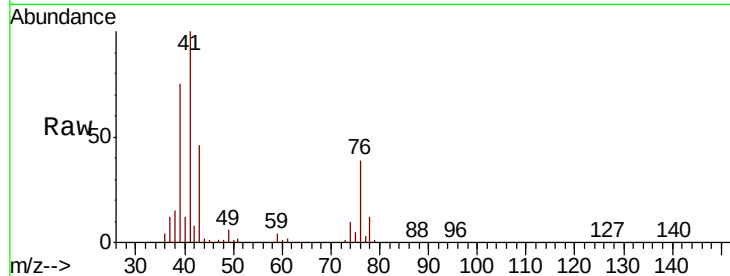




#17
 Allyl chloride
 Concen: 146.614 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

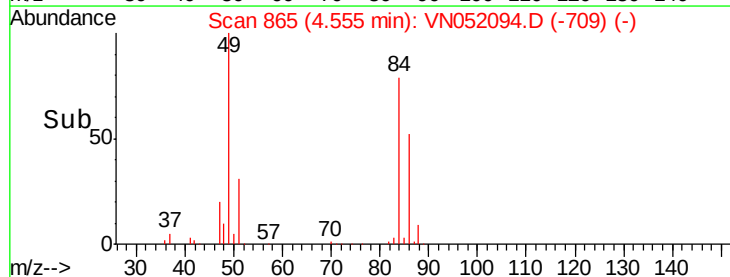
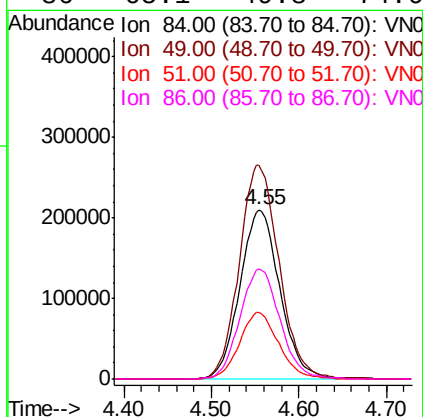
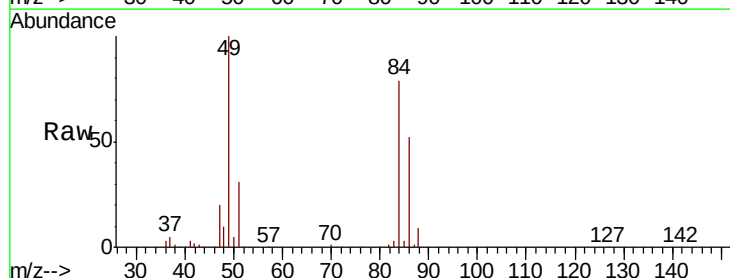
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

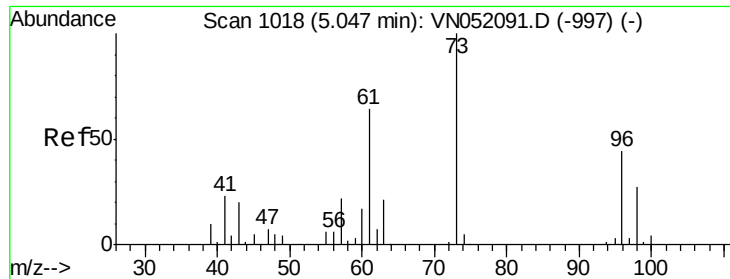
Tgt Ion: 41 Resp: 964251
 Ion Ratio Lower Upper
 41 100
 39 74.8 38.4 115.1
 76 38.7 18.8 56.3



#18
 Methylene Chloride
 Concen: 138.667 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 84 Resp: 662990
 Ion Ratio Lower Upper
 84 100
 49 125.9 92.6 138.8
 51 39.4 29.7 44.5
 86 65.1 49.8 74.6

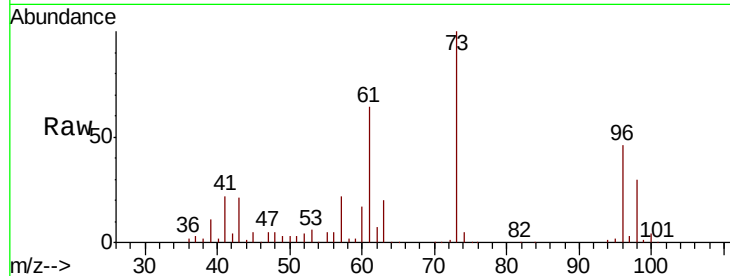




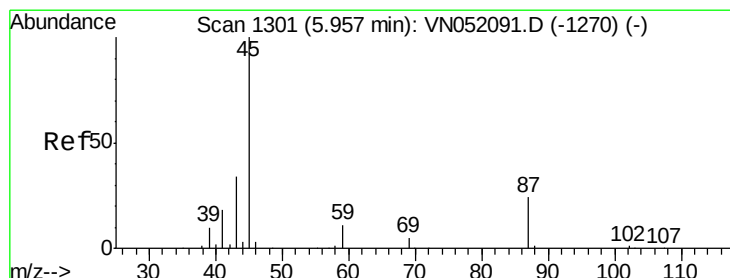
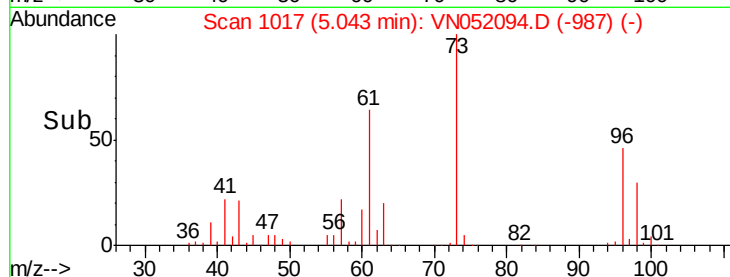
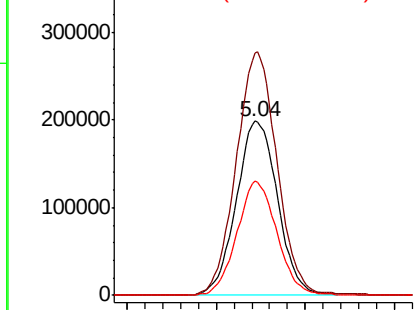
#19
trans-1,2-Dichloroethene
Concen: 149.749 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 635552
Ion Ratio Lower Upper
96 100
61 139.5 117.8 176.6
98 65.9 49.3 73.9

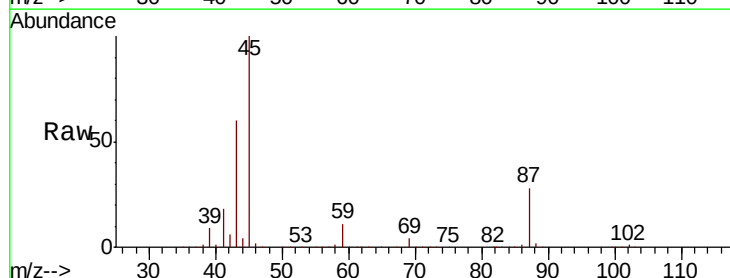


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

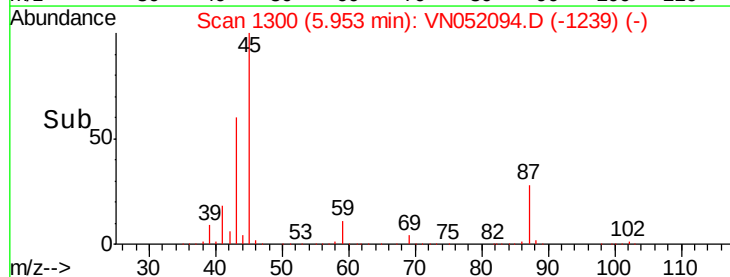
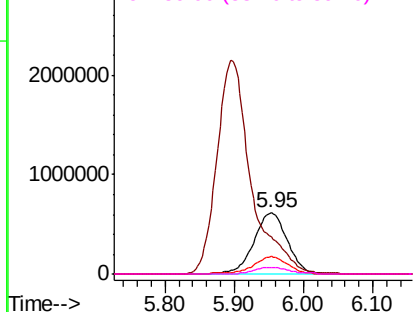


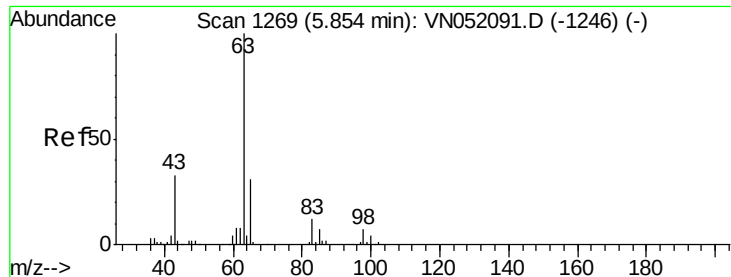
#20
Diisopropyl ether
Concen: 144.921 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 45 Resp: 2072294
Ion Ratio Lower Upper
45 100
43 59.1 49.4 74.0
87 28.1 20.3 30.5
59 10.5 8.6 12.8



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





#21

1,1-Dichloroethane

Concen: 142.233 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

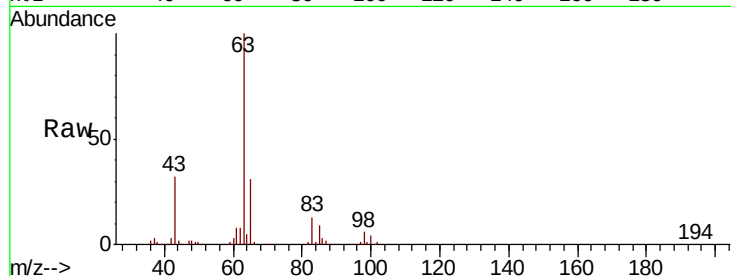
Tgt Ion: 63 Resp: 1187930

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

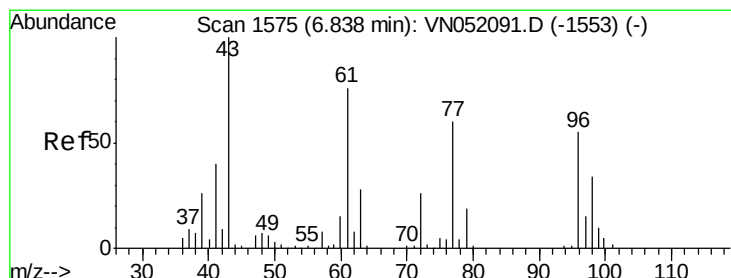
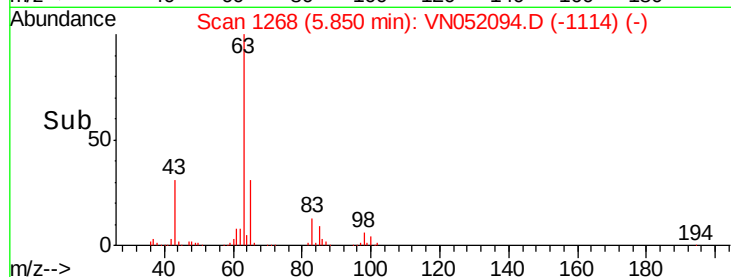
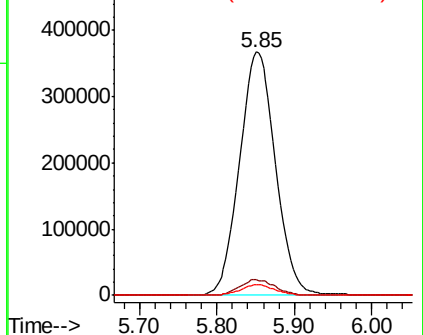
100 4.2 2.0 5.8



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) (-)



#22

cis-1,2-Dichloroethene

Concen: 146.605 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

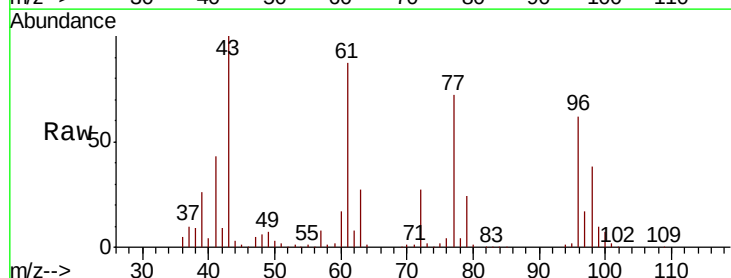
Tgt Ion: 96 Resp: 726575

Ion Ratio Lower Upper

96 100

61 143.7 117.6 176.4

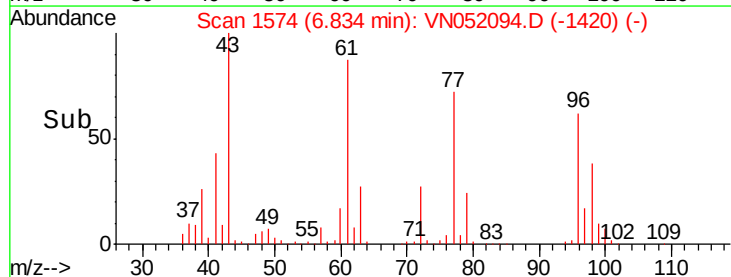
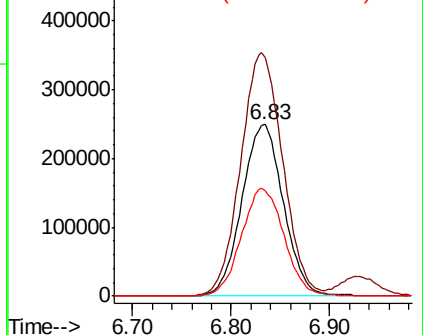
98 64.1 51.0 76.4

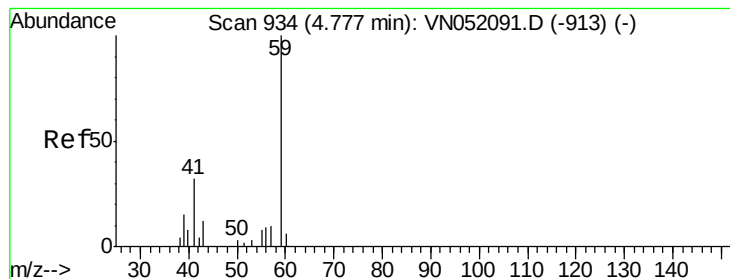


Abundance Ion 96.00 (95.70 to 96.70): VN052091.D (-1553) (-)

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

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





#23

tert-Butyl Alcohol

Concen: 691.552 ug/l

RT: 4.78 min Scan# 934

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

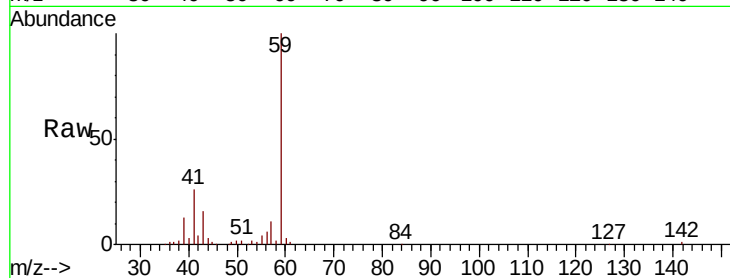
VSTDIC150

Tgt Ion: 59 Resp: 157752

Ion Ratio Lower Upper

59 100

52 0.1 0.3 0.5#



Abundance Ion 59.00 (58.70 to 59.70): VN052094.D (-913) (-)

Ion 52.00 (51.70 to 52.70): VN052094.D (-913) (-)

4.78

50000

40000

30000

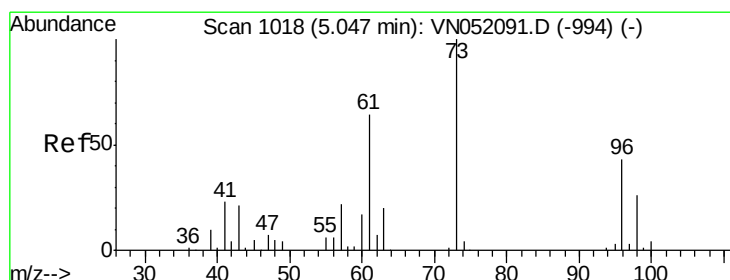
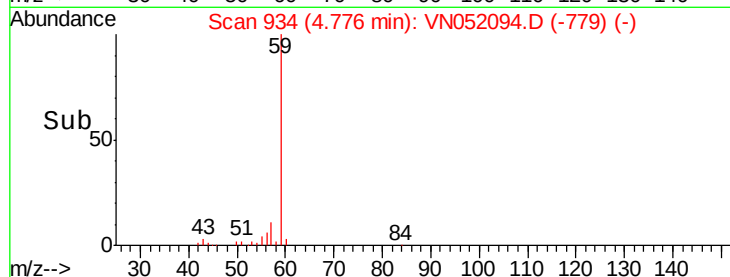
20000

10000

0

Time-->

4.70 4.80 4.90



#24

Methyl tert-Butyl Ether

Concen: 147.337 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052094.D

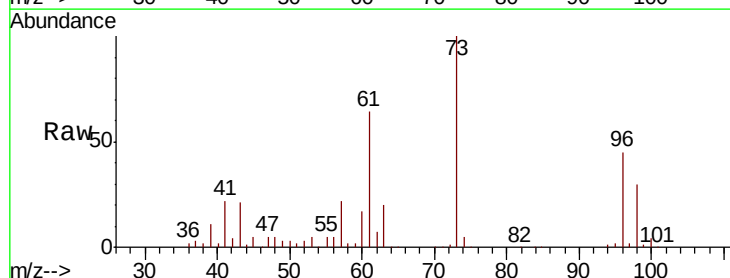
Acq: 1 Nov 2018 10:09

Tgt Ion: 73 Resp: 1617968

Ion Ratio Lower Upper

73 100

43 20.6 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VN052094.D (-994) (-)

Ion 43.00 (42.70 to 43.70): VN052094.D (-994) (-)

5.05

500000

400000

300000

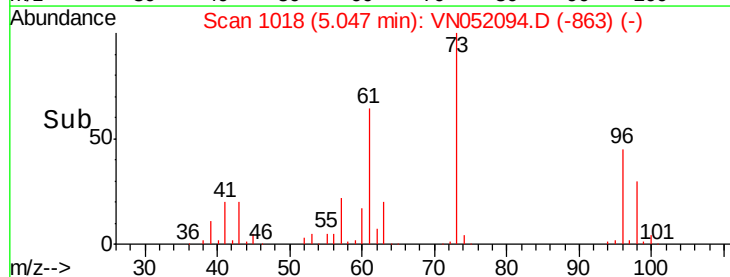
200000

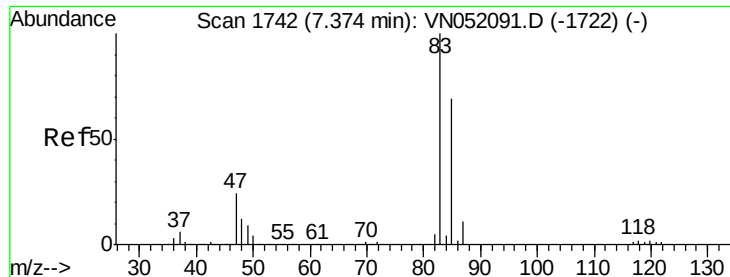
100000

0

Time-->

4.90 5.00 5.10 5.20





#25

Chloroform

Concen: 143.697 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

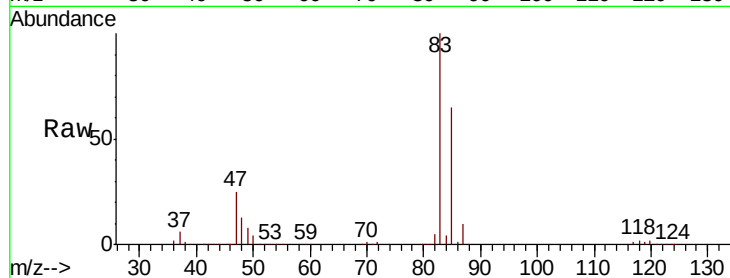
VSTDIC150

Tgt Ion: 83 Resp: 1205091

Ion Ratio Lower Upper

83 100

85 64.7 54.9 82.3



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

500000

400000

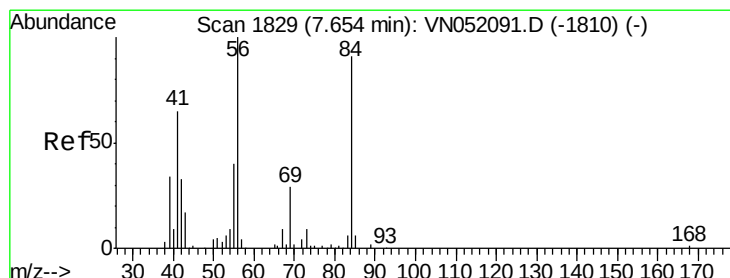
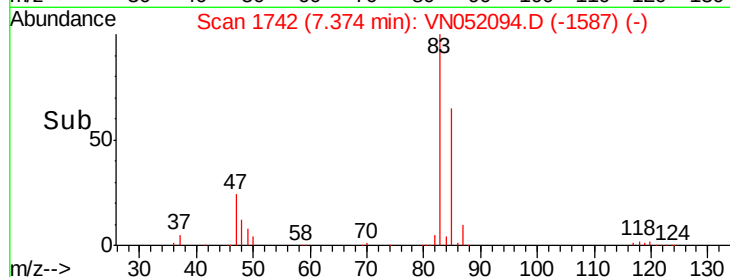
300000

200000

100000

0

Time-->



#26

Cyclohexane

Concen: 146.884 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

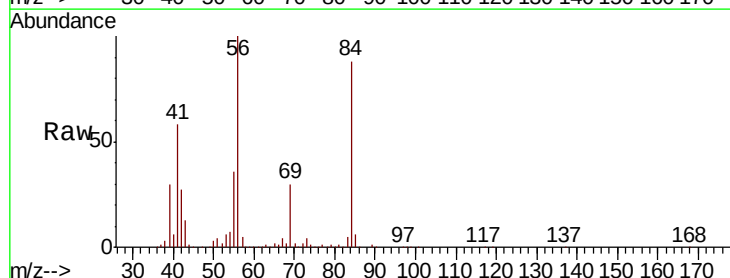
Tgt Ion: 56 Resp: 1099727

Ion Ratio Lower Upper

56 100

89 1.0 2.2 3.2#

84 88.2 71.0 106.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

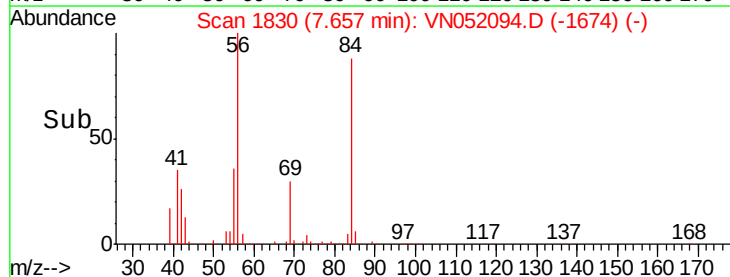
600000

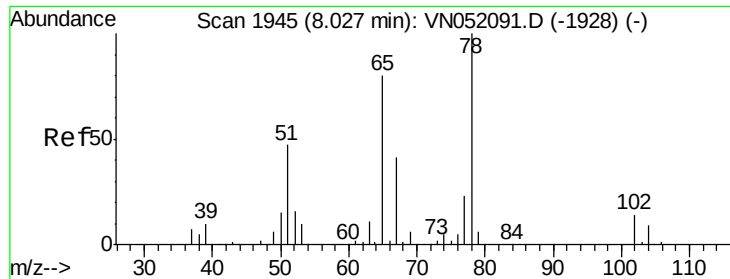
400000

200000

0

Time-->

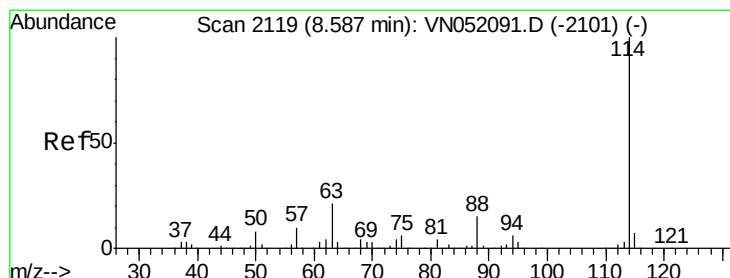
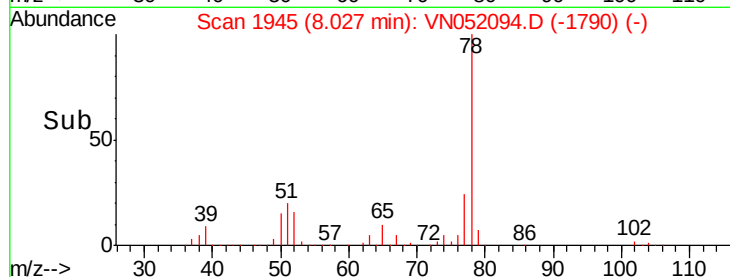
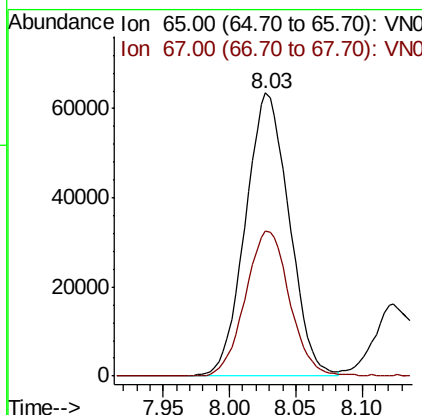
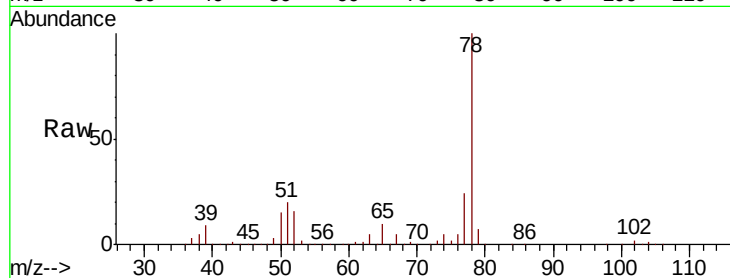




#27
 1,2-Dichloroethane-d4
 Concen: 146.884 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

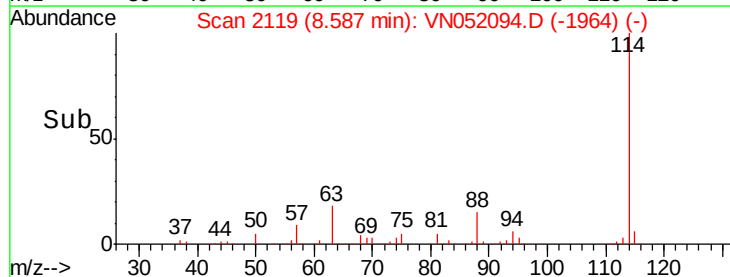
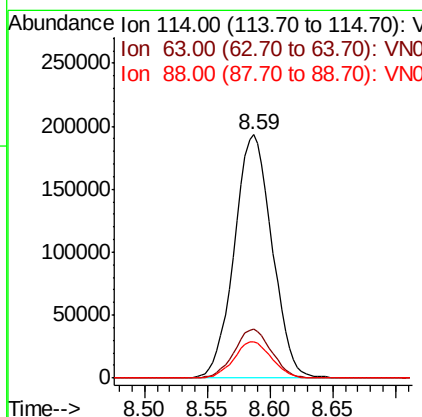
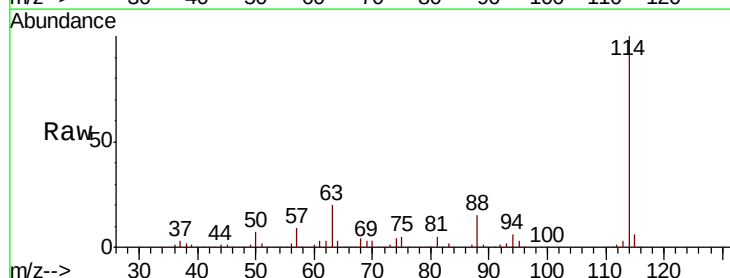
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

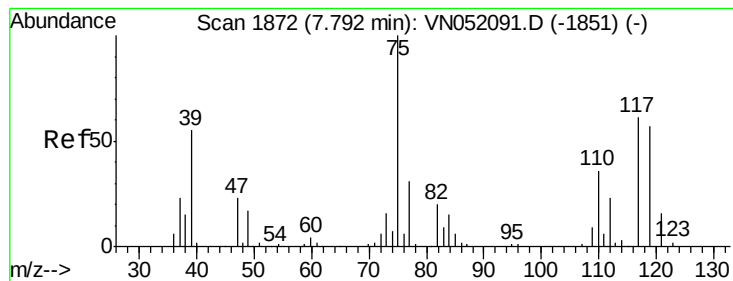
Tgt Ion: 65 Resp: 145872
 Ion Ratio Lower Upper
 65 100
 67 51.5 42.6 64.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 114 Resp: 404260
 Ion Ratio Lower Upper
 114 100
 63 19.8 17.5 26.3
 88 14.9 12.6 18.8





#29

1,1-Dichloropropene

Concen: 145.686 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC150

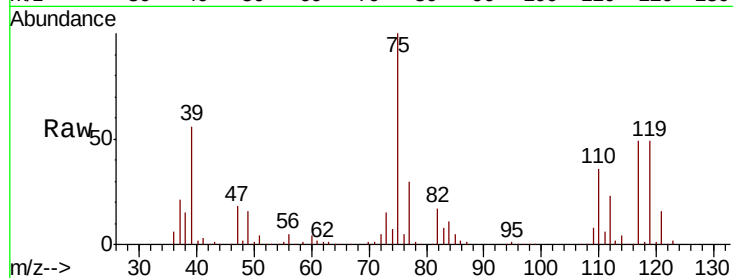
Tgt Ion: 75 Resp: 935039

Ion Ratio Lower Upper

75 100

110 35.8 0.0 67.6

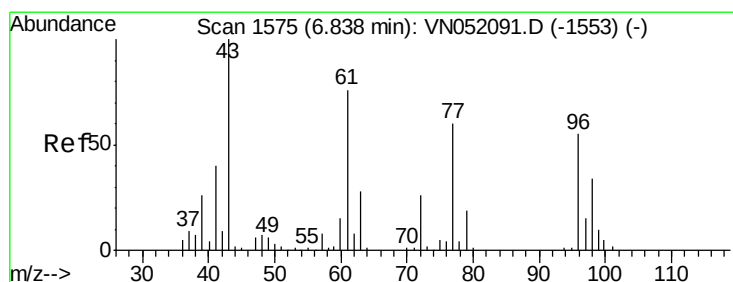
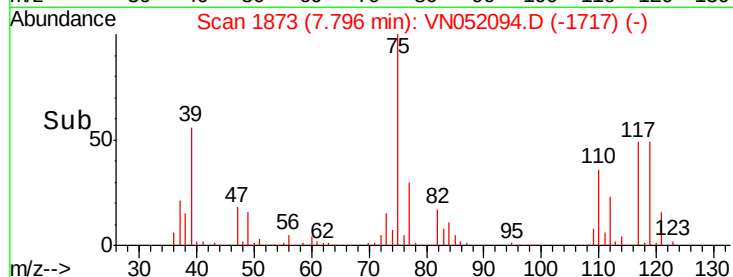
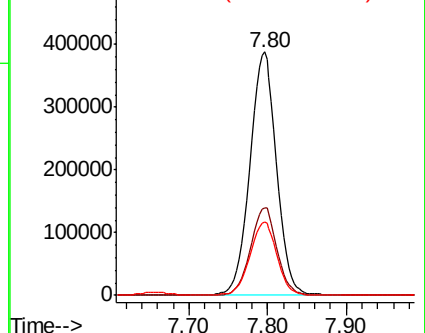
77 30.7 0.0 60.2



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: 678.241 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

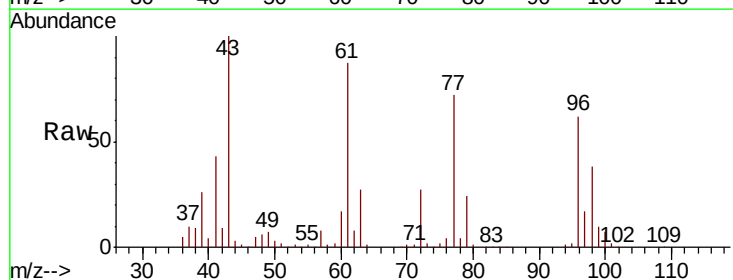
Tgt Ion: 43 Resp: 1159265

Ion Ratio Lower Upper

43 100

57 8.0 6.6 9.8

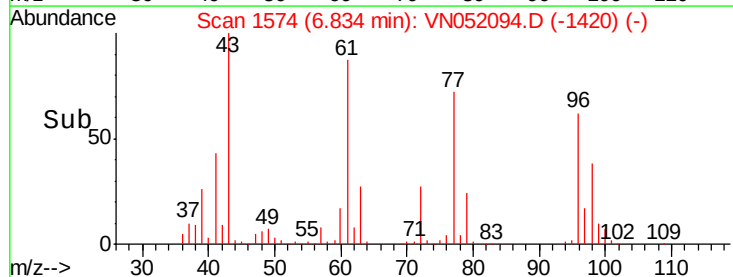
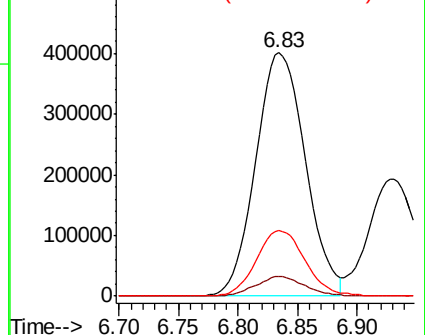
72 26.7 9.2 13.8#

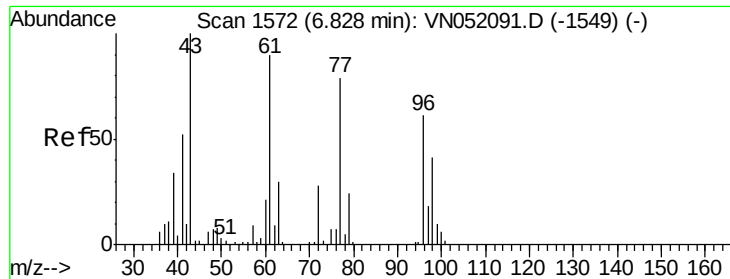


Abundance Ion 43.00 (42.70 to 43.70): VN052091.D (-1553) (-)

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

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

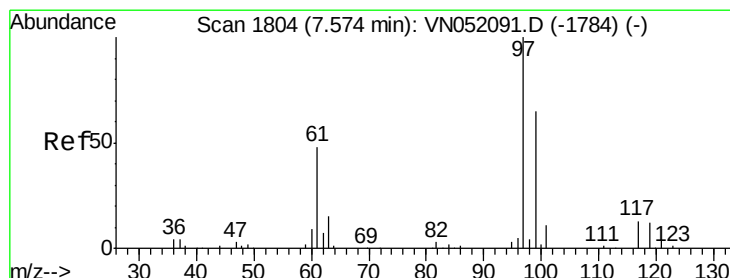
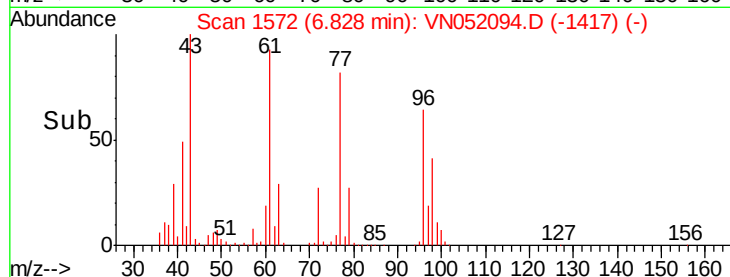
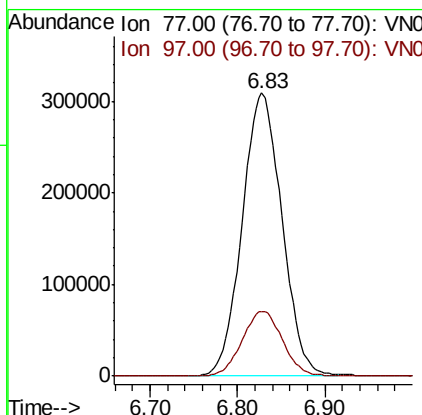
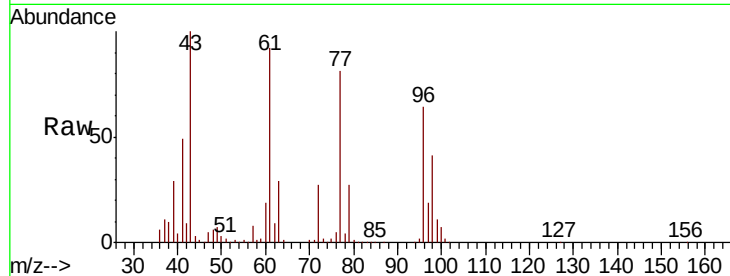




#31
 2,2-Dichloropropane
 Concen: 147.307 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

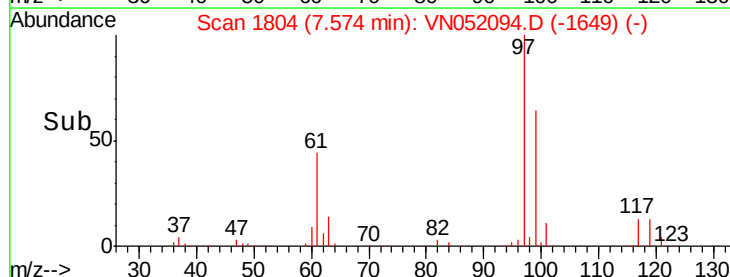
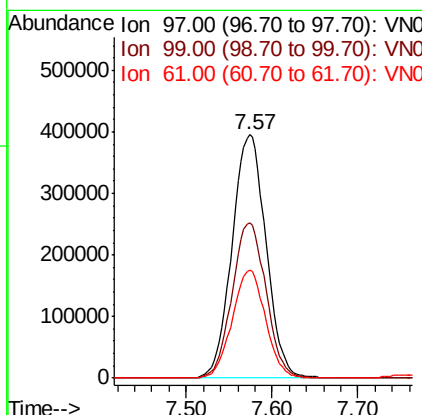
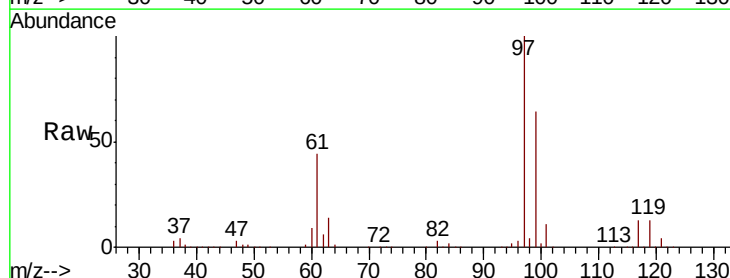
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

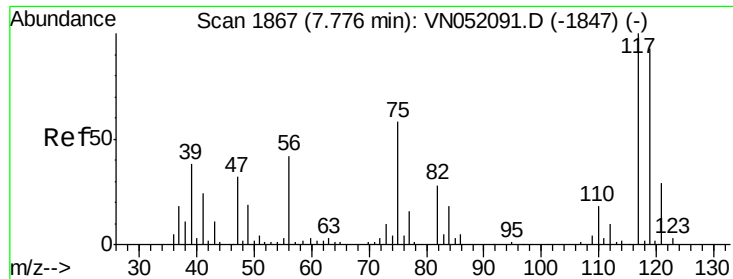
Tgt Ion: 77 Resp: 974407
 Ion Ratio Lower Upper
 77 100
 97 23.2 18.2 27.2



#32
 1,1,1-Trichloroethane
 Concen: 151.055 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 97 Resp: 1084752
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.7 77.5
 61 43.5 38.7 58.1

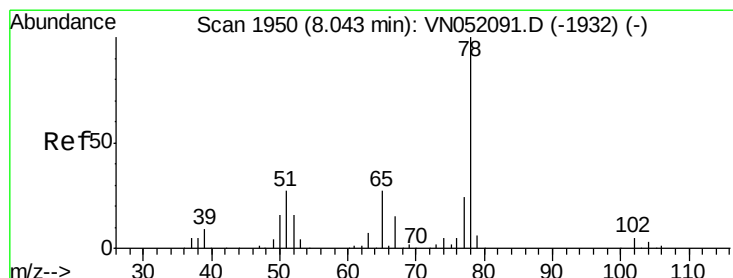
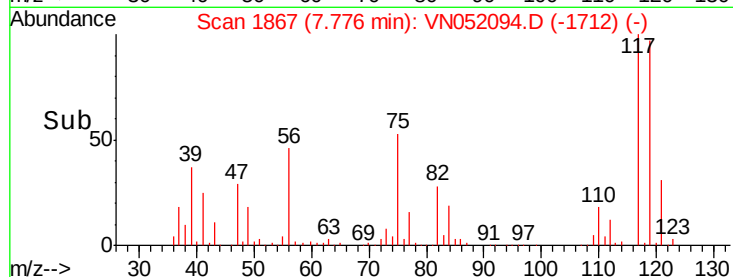
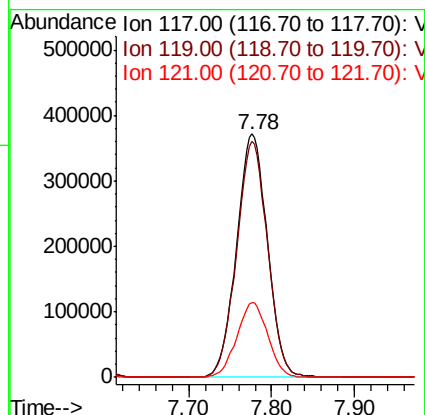
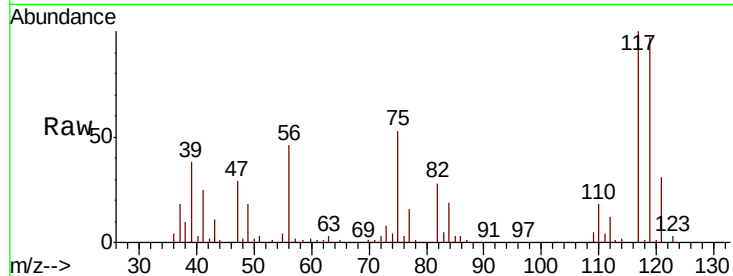




#33
Carbon Tetrachloride
Concen: 150.422 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

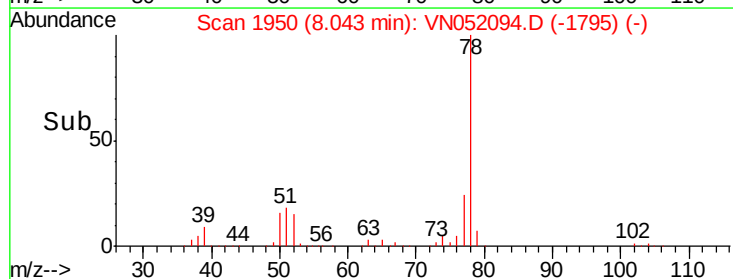
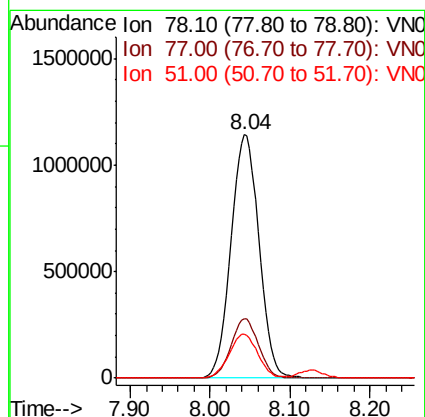
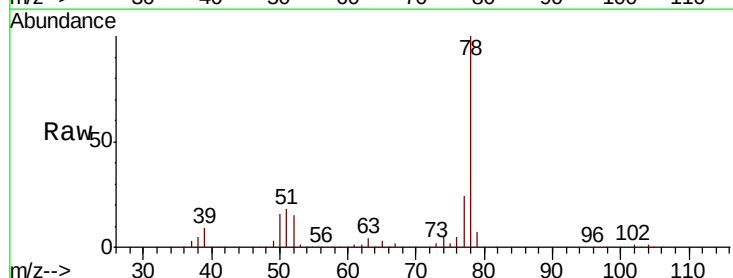
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

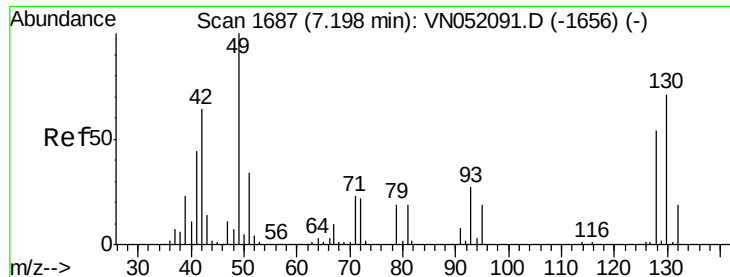
Tgt Ion:117 Resp: 960674
Ion Ratio Lower Upper
117 100
119 97.2 74.7 112.1
121 30.8 23.4 35.0



#34
Benzene
Concen: 144.362 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 78 Resp: 2712976
Ion Ratio Lower Upper
78 100
77 24.4 19.1 28.7
51 18.2 21.2 31.8#

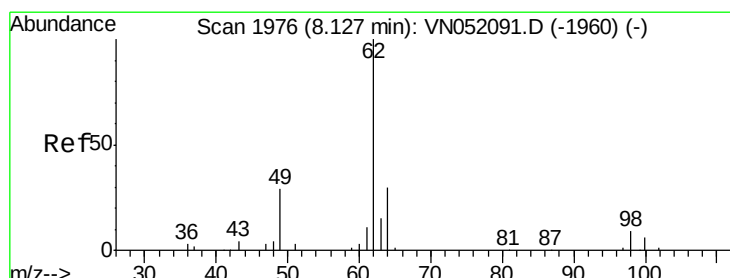
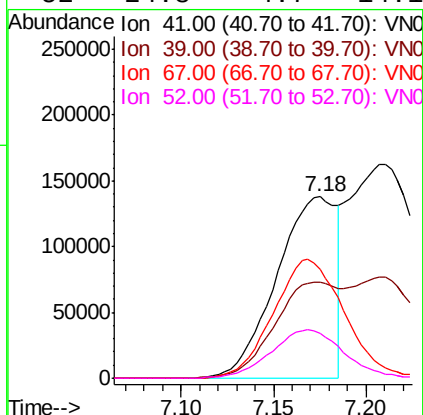
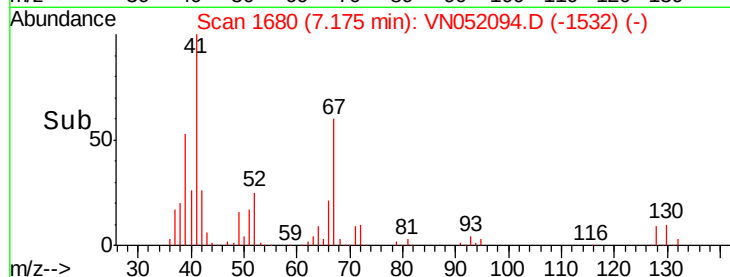
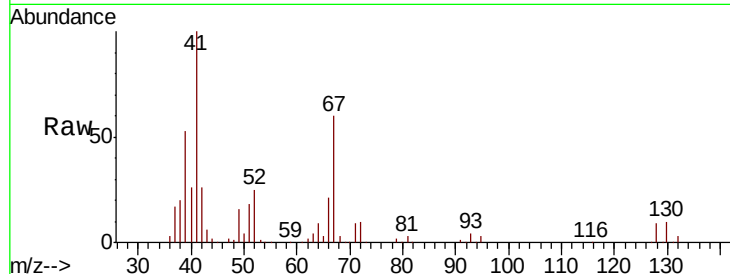




#35
Methacrylonitrile
Concen: 89.665 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.02 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

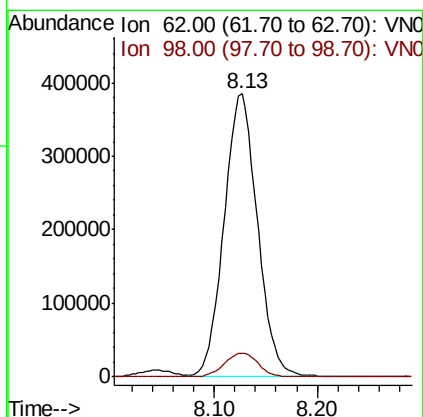
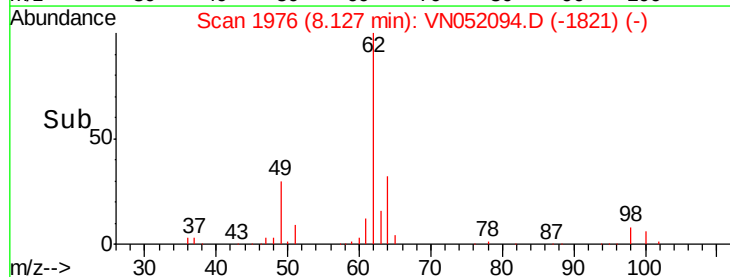
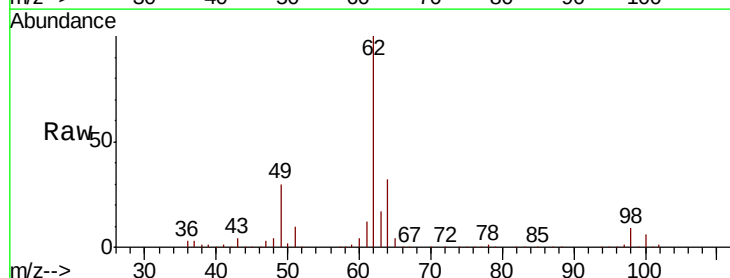
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

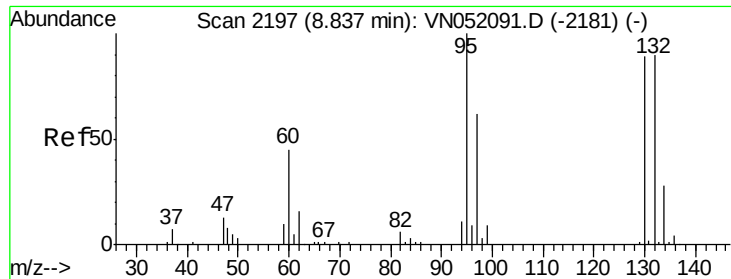
Tgt Ion: 41 Resp: 310111
Ion Ratio Lower Upper
41 100
39 52.9 26.1 78.3
67 59.9 11.0 33.0#
52 24.8 4.7 14.1#



#36
1,2-Dichloroethane
Concen: 138.485 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 62 Resp: 870159
Ion Ratio Lower Upper
62 100
98 8.6 6.7 10.1





#37

Trichloroethene

Concen: 152.790 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

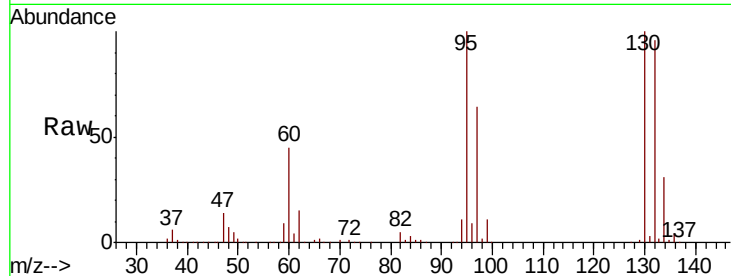
VSTDIC150

Tgt Ion:130 Resp: 718660

Ion Ratio Lower Upper

130 100

95 100.2 89.9 134.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

400000

300000

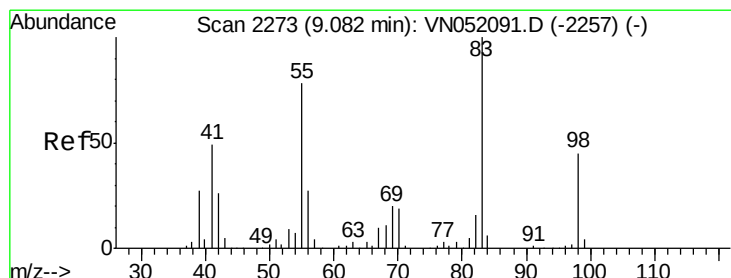
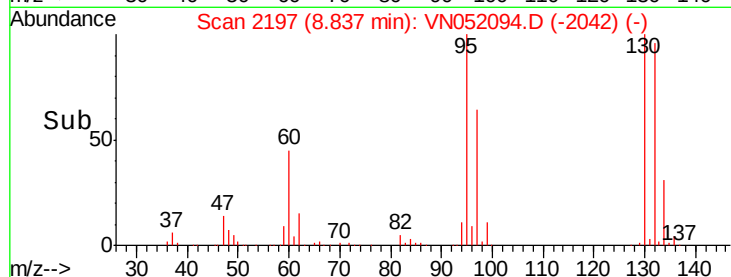
200000

100000

0

Time-->

8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 148.142 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

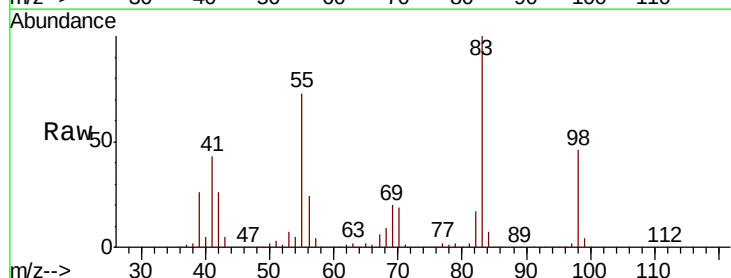
Tgt Ion: 83 Resp: 1159867

Ion Ratio Lower Upper

83 100

55 73.6 38.5 115.3

98 46.0 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

9.08

600000

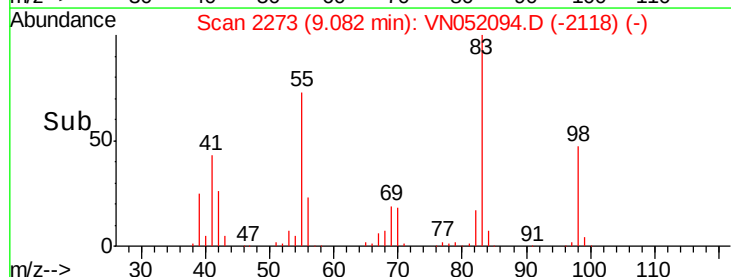
400000

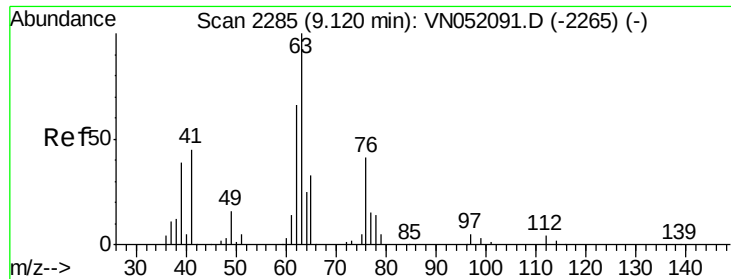
200000

0

Time-->

9.00 9.10 9.20





#39

1,2-Dichloropropane

Concen: 142.199 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

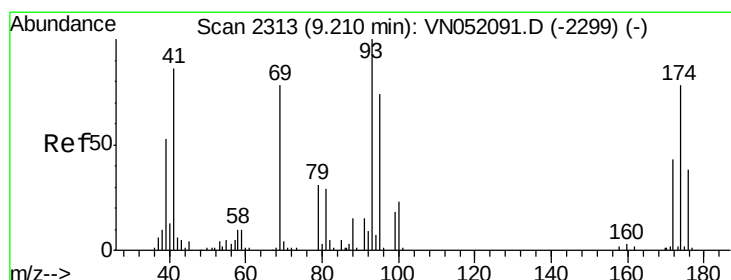
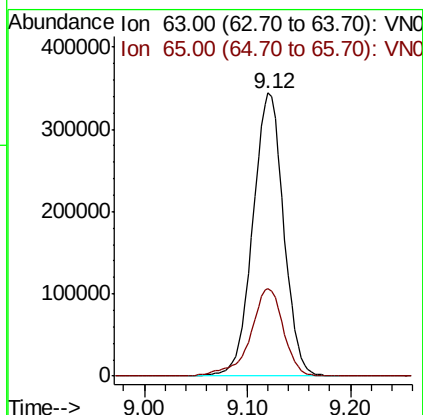
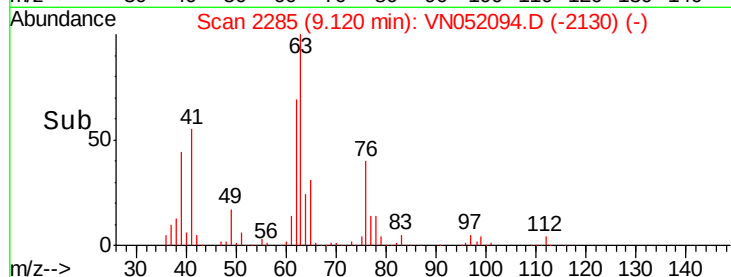
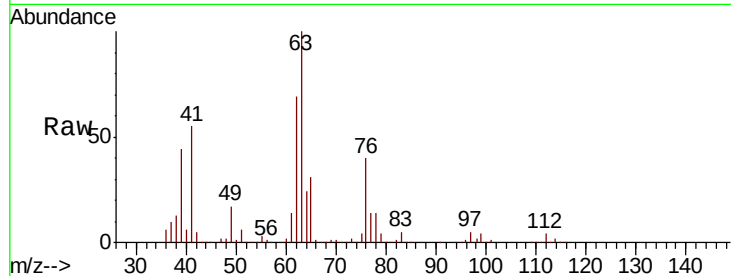
VSTDIC150

Tgt Ion: 63 Resp: 711356

Ion Ratio Lower Upper

63 100

65 31.0 27.3 40.9



#40

Dibromomethane

Concen: 141.440 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

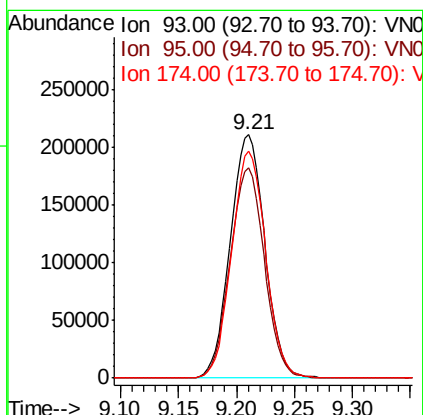
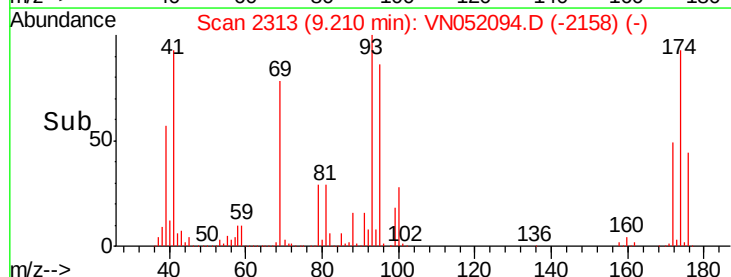
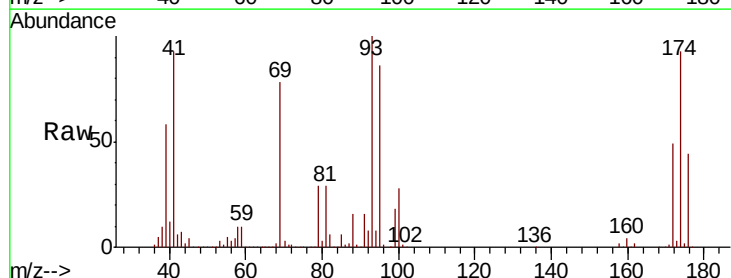
Tgt Ion: 93 Resp: 436133

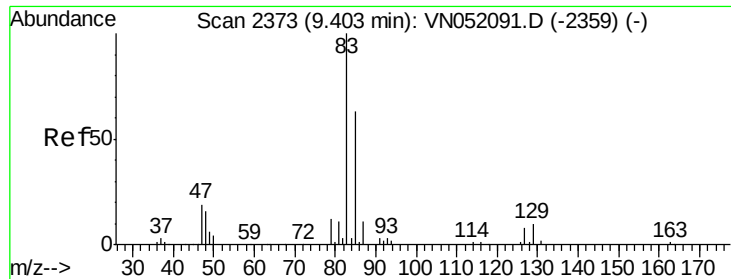
Ion Ratio Lower Upper

93 100

95 85.7 0.0 161.2

174 91.8 0.0 165.0





#41

Bromodichloromethane

Concen: 148.313 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

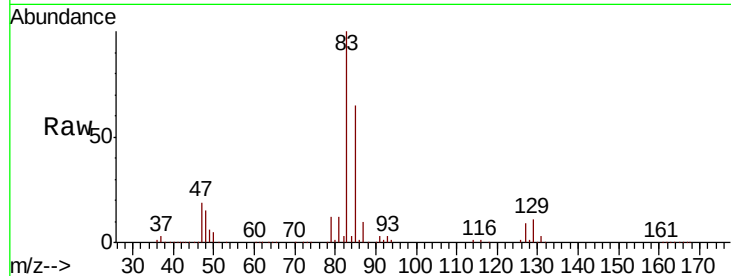
Tgt Ion: 83 Resp: 935711

Ion Ratio Lower Upper

83 100

85 64.9 50.2 75.2

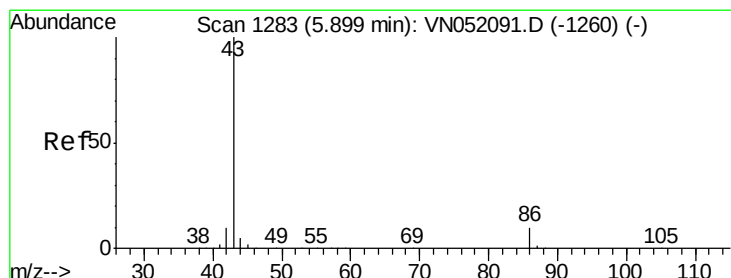
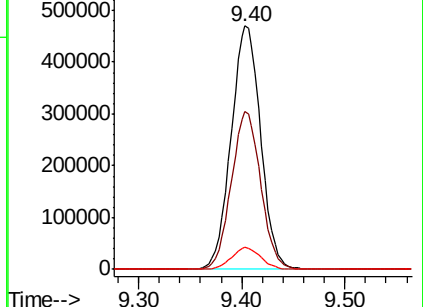
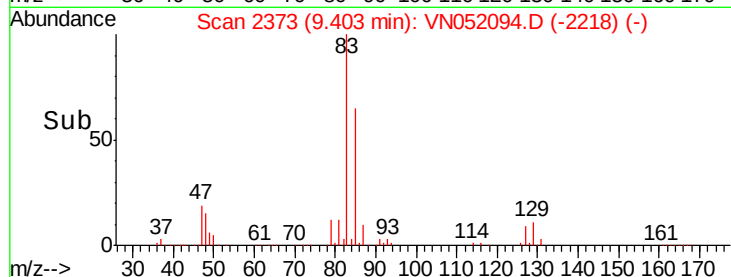
127 8.9 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VN052094.D (-2359) (-)

Ion 85.00 (84.70 to 85.70): VN052094.D (-2359) (-)

Ion 127.00 (126.70 to 127.70): VN052094.D (-2359) (-)



#42

Vinyl Acetate

Concen: 742.574 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052094.D

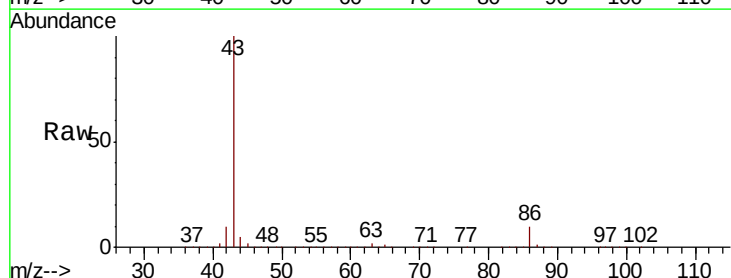
Acq: 1 Nov 2018 10:09

Tgt Ion: 43 Resp: 7430335

Ion Ratio Lower Upper

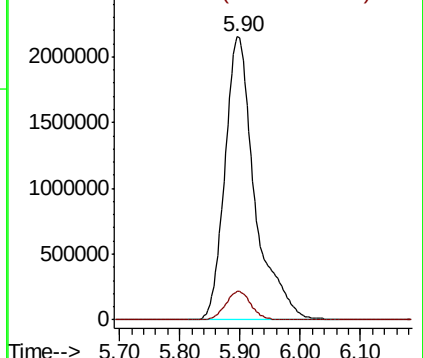
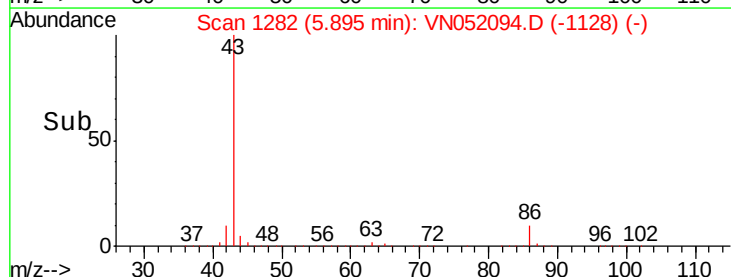
43 100

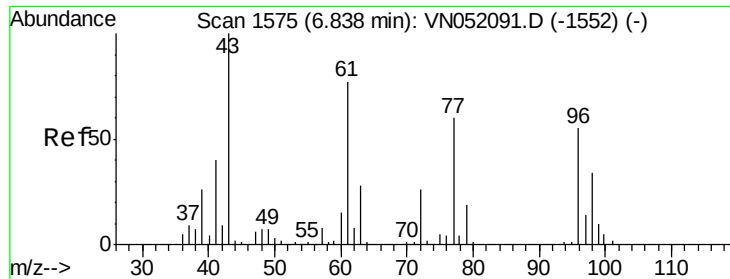
86 8.7 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN052094.D (-1128) (-)

Ion 86.00 (85.70 to 86.70): VN052094.D (-1128) (-)





#43

Ethyl Acetate

Concen: 97.439 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

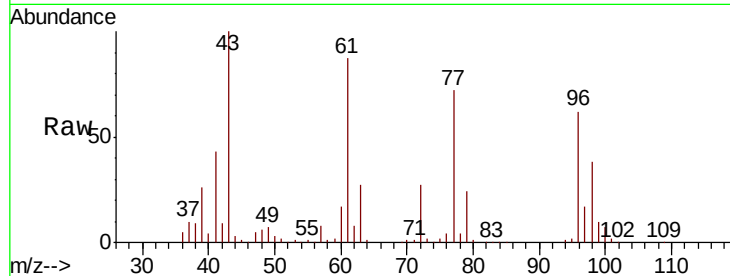
VSTDIC150

Tgt Ion: 43 Resp: 1159265

Ion Ratio Lower Upper

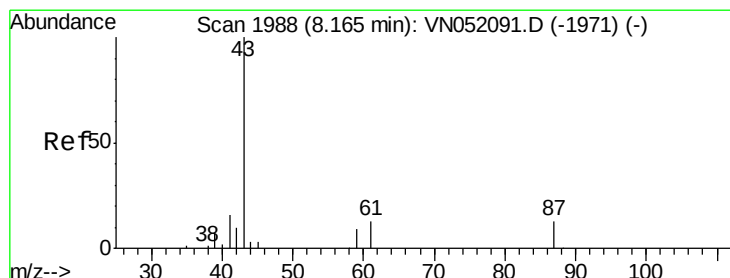
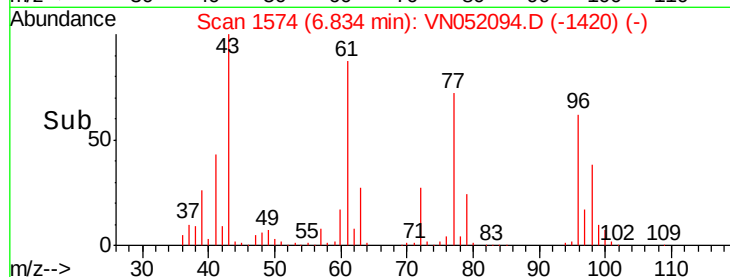
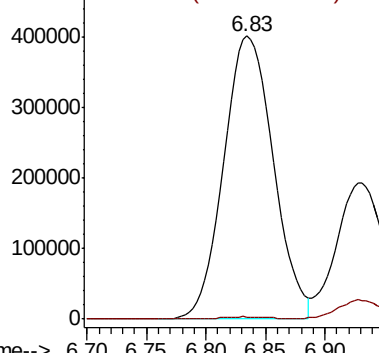
43 100

45 0.8 3.8 5.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 145.791 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052094.D

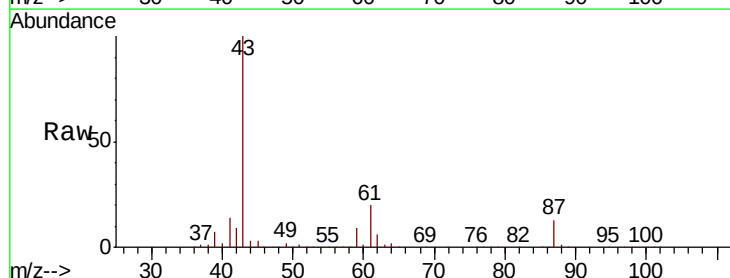
Acq: 1 Nov 2018 10:09

Tgt Ion: 43 Resp: 1036848

Ion Ratio Lower Upper

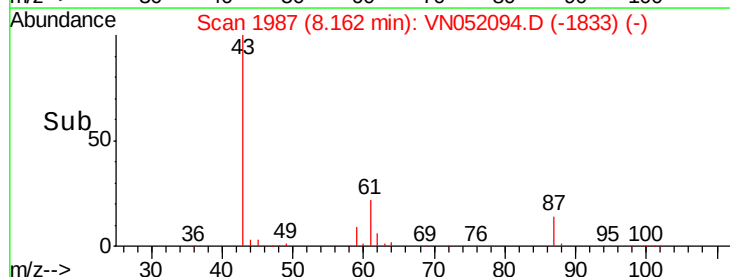
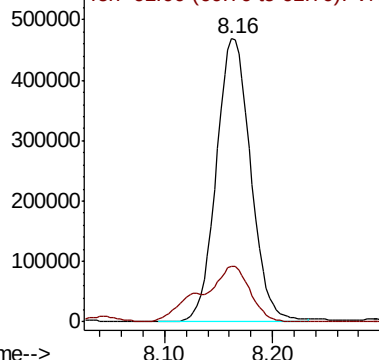
43 100

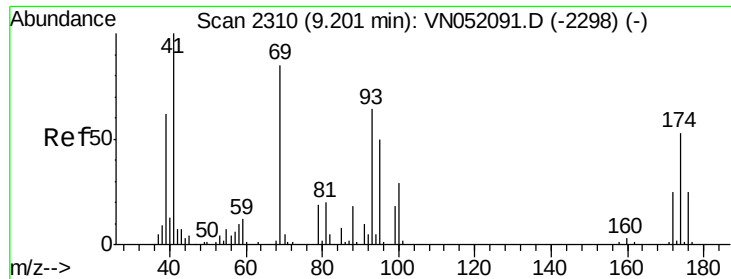
61 19.1 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

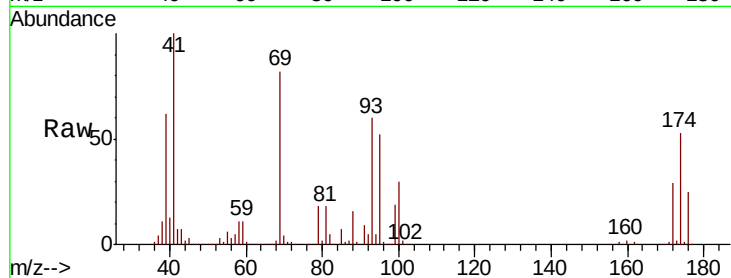




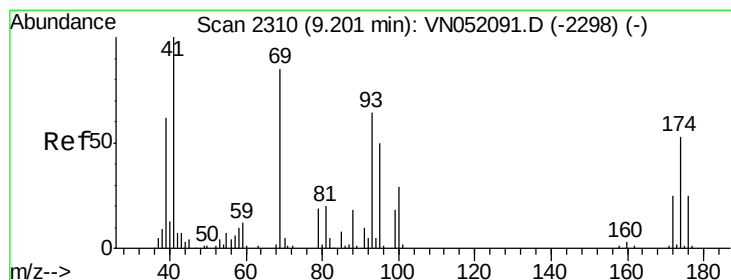
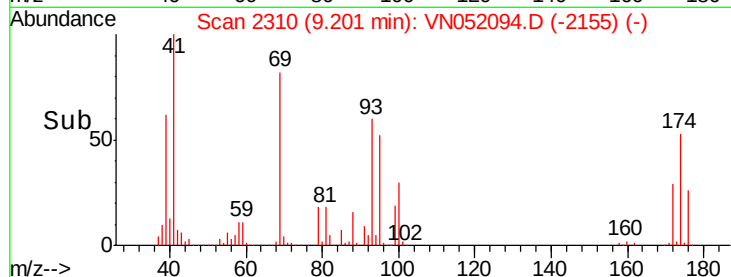
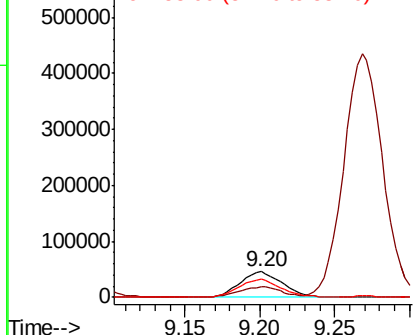
#45
 1,4-Dioxane
 Concen: 2828.513 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 88 Resp: 91767
 Ion Ratio Lower Upper
 88 100
 43 37.5 28.6 43.0
 58 69.7 37.8 56.8#

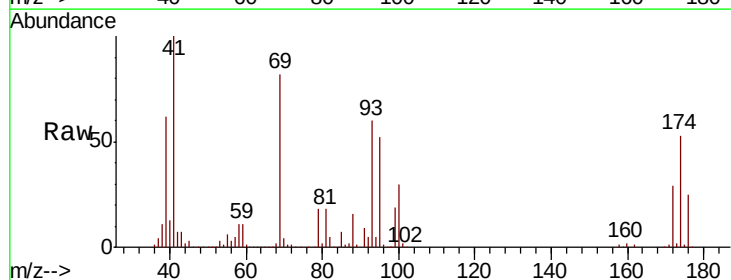


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

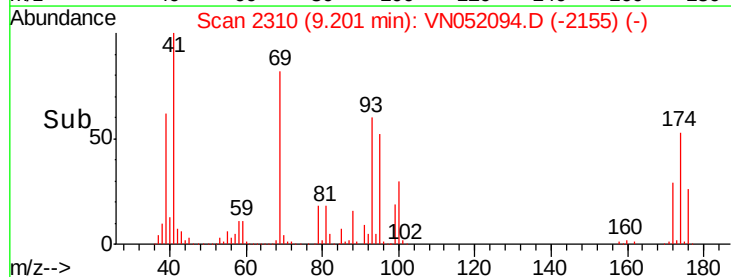
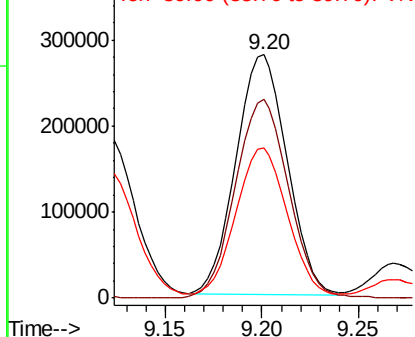


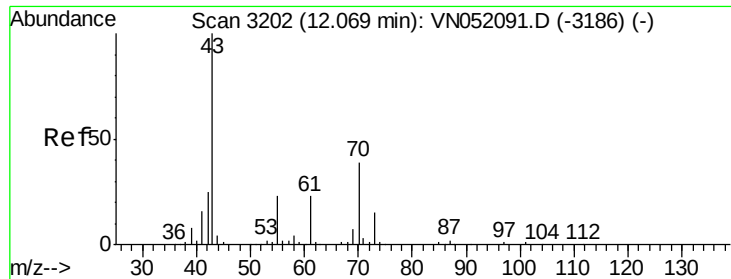
#46
 Methyl methacrylate
 Concen: 144.748 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 41 Resp: 512425
 Ion Ratio Lower Upper
 41 100
 69 82.8 42.5 127.6
 39 61.2 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: 149.992 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

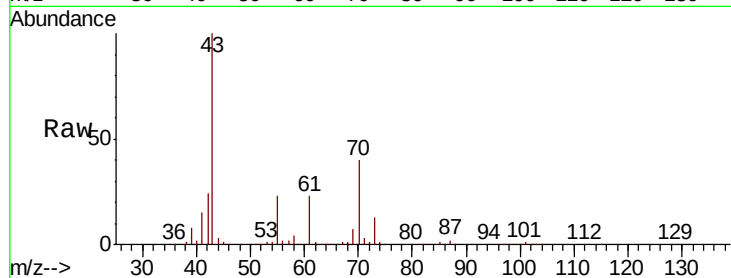
VSTDIC150

Tgt Ion: 43 Resp: 967698

Ion Ratio Lower Upper

43 100

55 22.3 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN052091.D (-3186) (-)

Ion 55.00 (54.70 to 55.70): VN052091.D (-3186) (-)

12.07

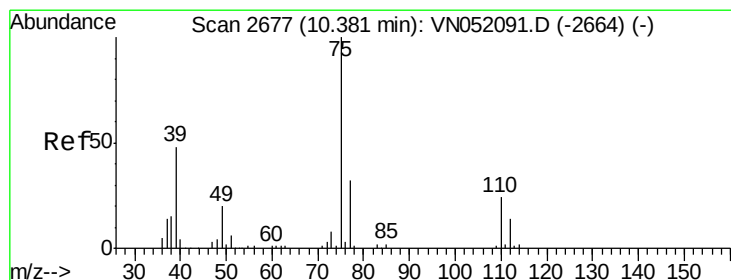
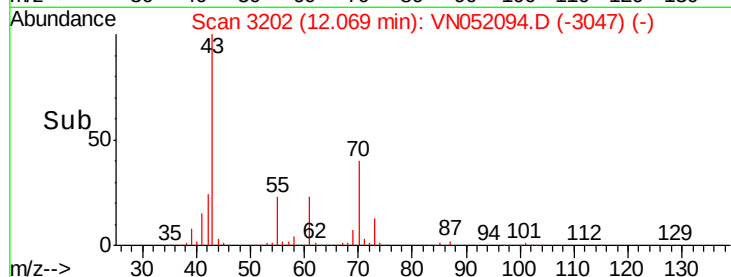
600000

400000

200000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 156.498 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052094.D

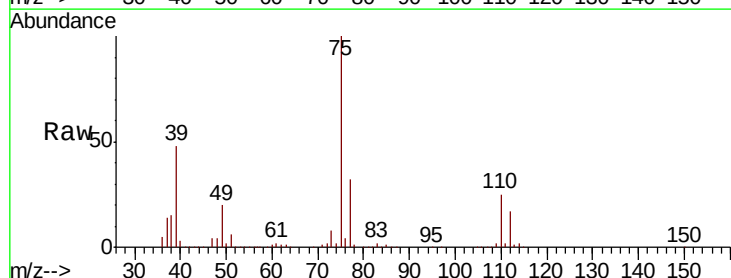
Acq: 1 Nov 2018 10:09

Tgt Ion: 75 Resp: 980427

Ion Ratio Lower Upper

75 100

77 32.3 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VN052091.D (-2664) (-)

Ion 77.00 (76.70 to 77.70): VN052091.D (-2664) (-)

10.38

600000

500000

400000

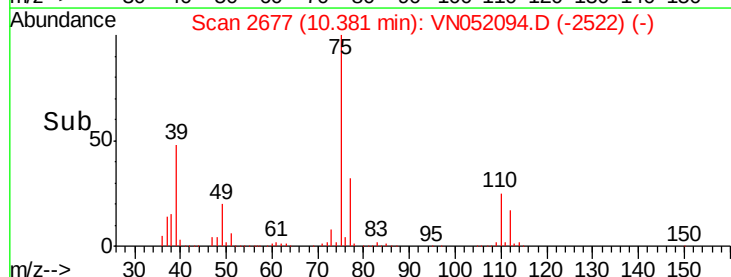
300000

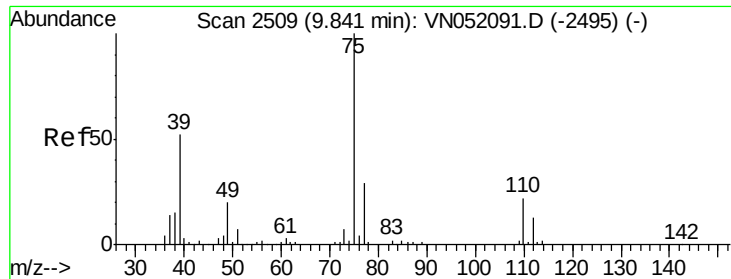
200000

100000

0

Time-->



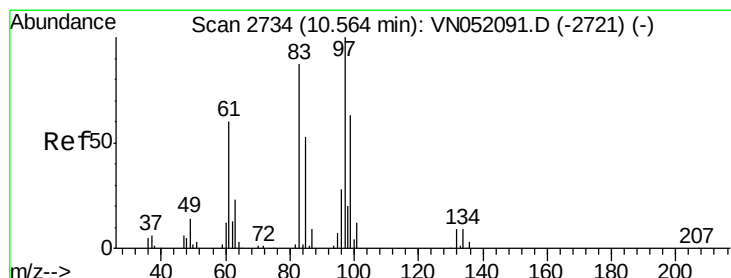
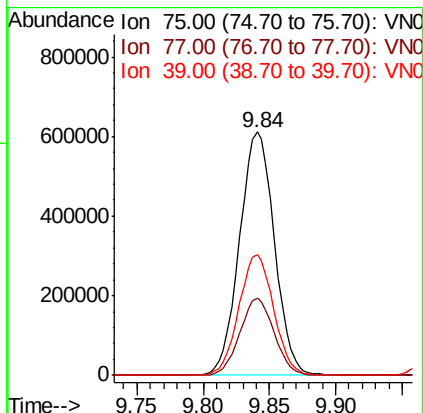
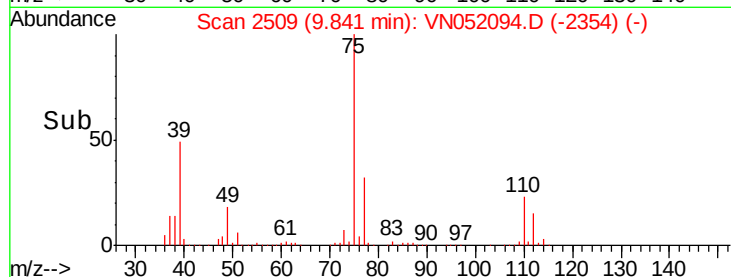
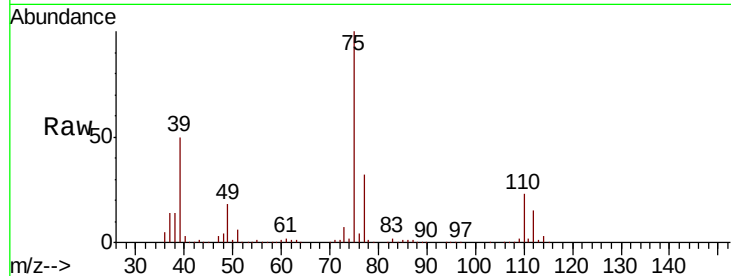


#49

cis-1,3-Dichloropropene
 Concen: 154.525 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

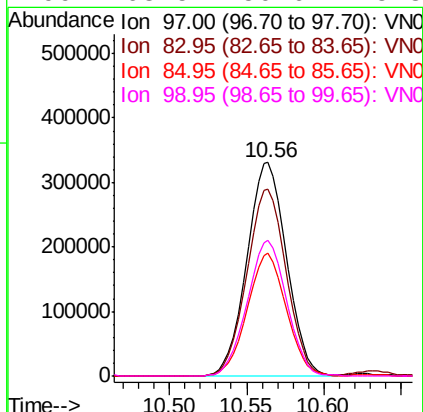
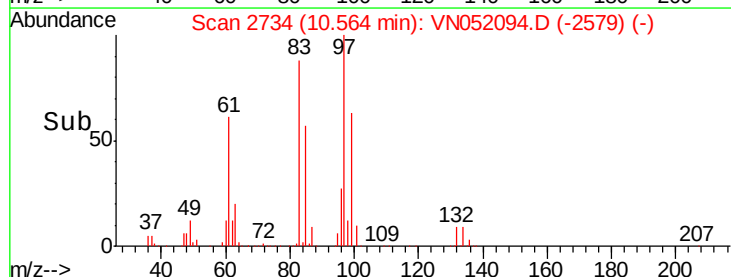
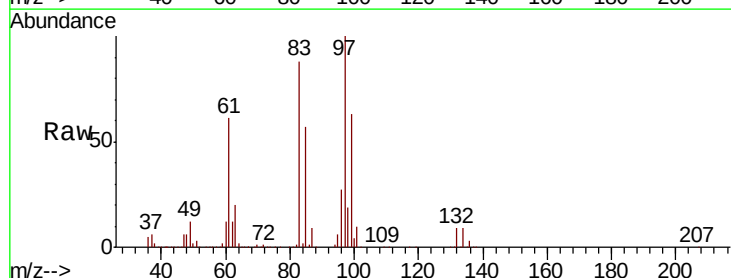
Tgt Ion: 75 Resp: 1117355
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.3 34.9
 39 49.5 41.6 62.4

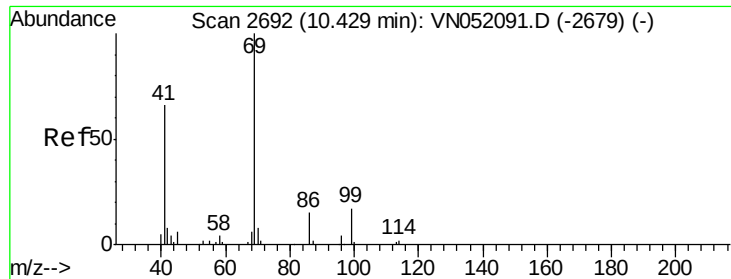


#50

1,1,2-Trichloroethane
 Concen: 145.079 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 97 Resp: 591551
 Ion Ratio Lower Upper
 97 100
 83 87.7 69.4 104.0
 85 57.4 42.7 64.1
 99 63.5 50.6 75.8





#51

Ethyl methacrylate

Concen: 150.324 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

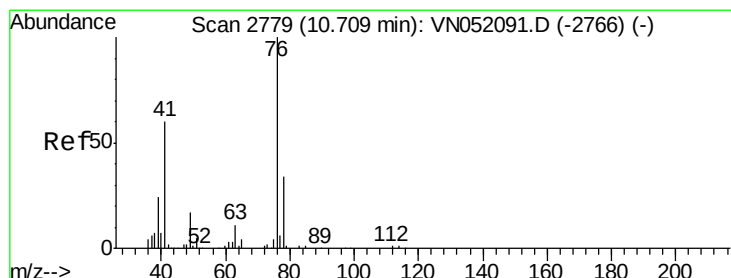
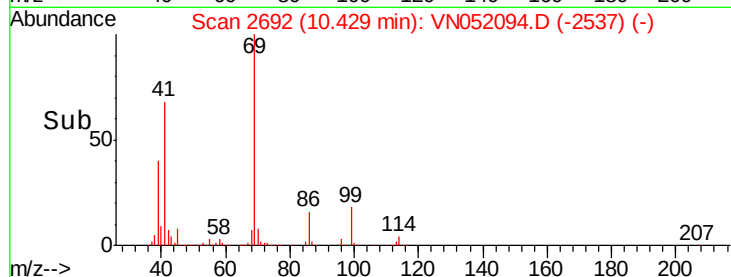
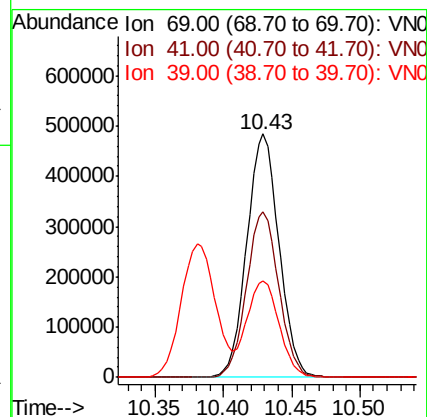
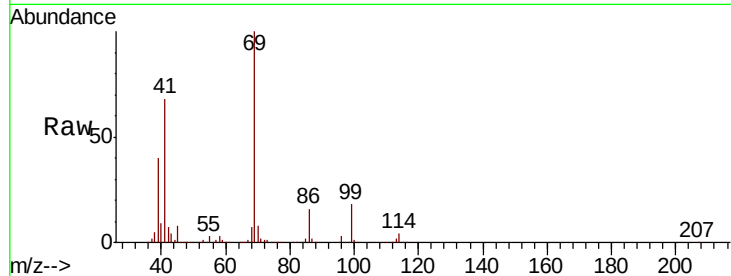
Tgt Ion: 69 Resp: 792163

Ion Ratio Lower Upper

69 100

41 67.8 33.0 99.0

39 39.7 20.7 62.1



#52

1,3-Dichloropropane

Concen: 143.774 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052094.D

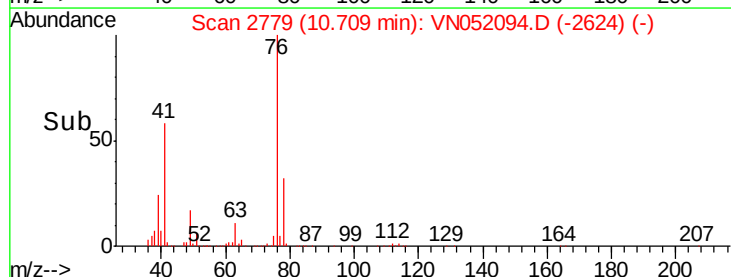
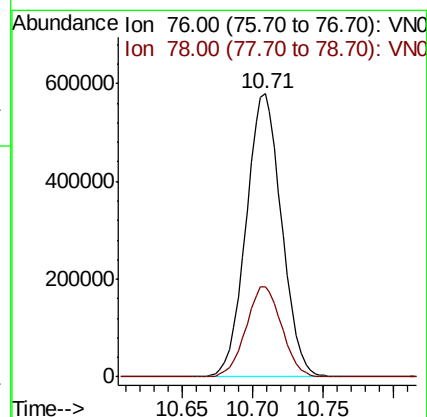
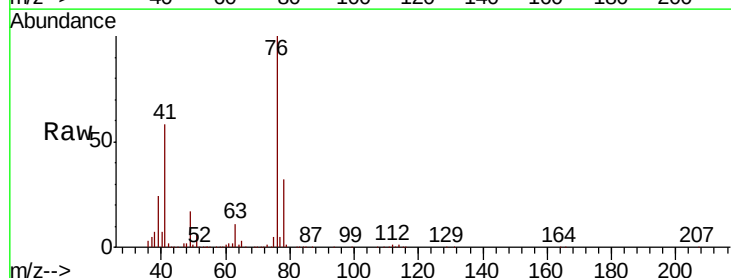
Acq: 1 Nov 2018 10:09

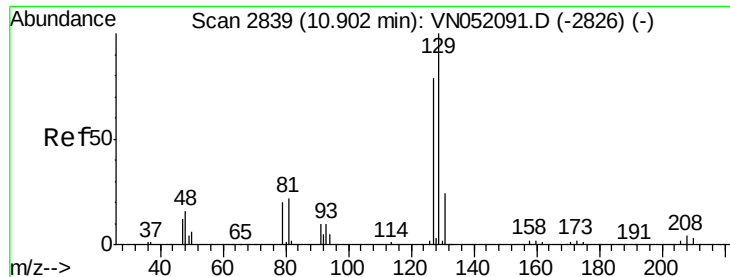
Tgt Ion: 76 Resp: 1021140

Ion Ratio Lower Upper

76 100

78 32.2 0.0 65.0





#53

Dibromochloromethane

Concen: 162.591 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

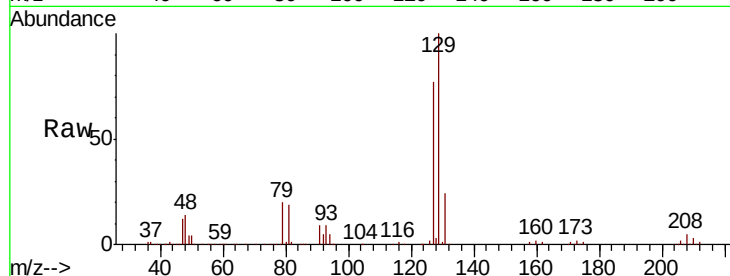
VSTDIC150

Tgt Ion:129 Resp: 715717

Ion Ratio Lower Upper

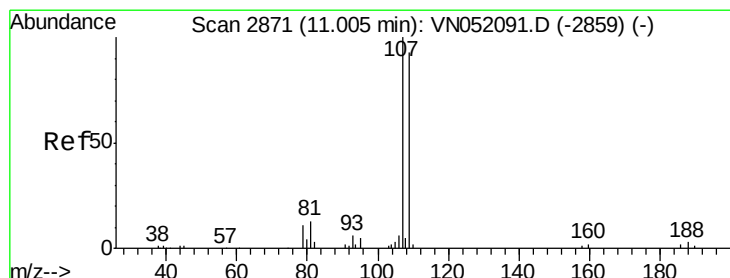
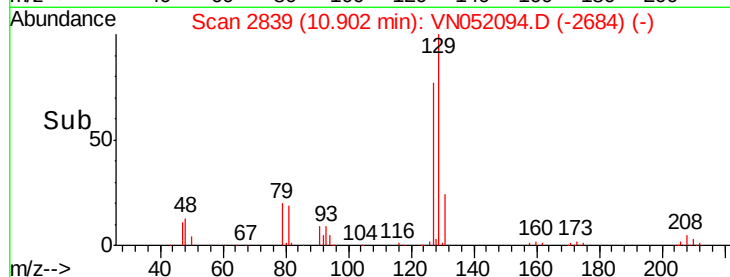
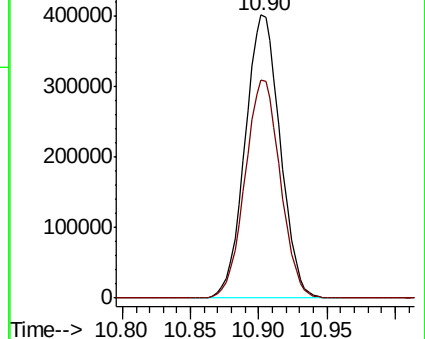
129 100

127 77.4 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: 151.768 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052094.D

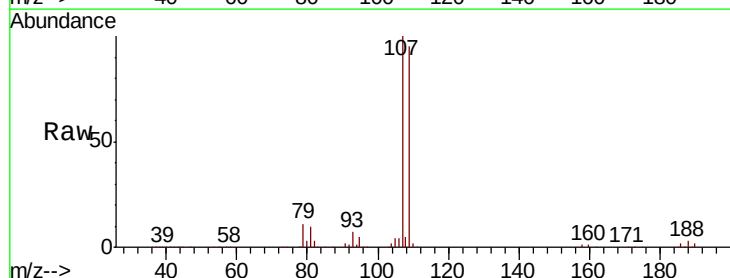
Acq: 1 Nov 2018 10:09

Tgt Ion:107 Resp: 627523

Ion Ratio Lower Upper

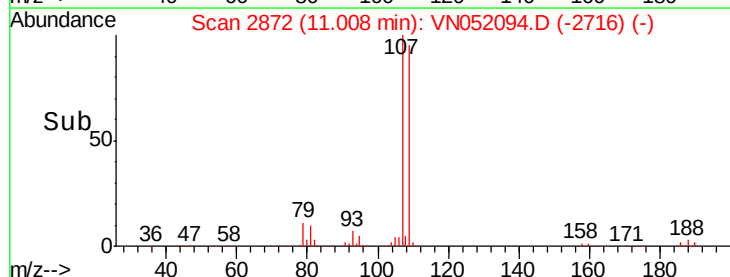
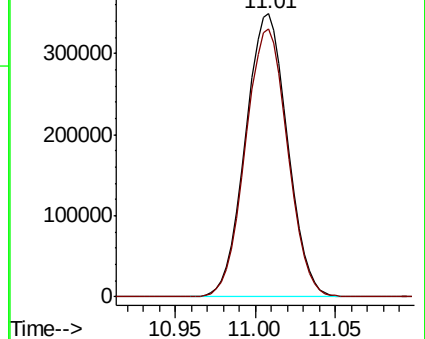
107 100

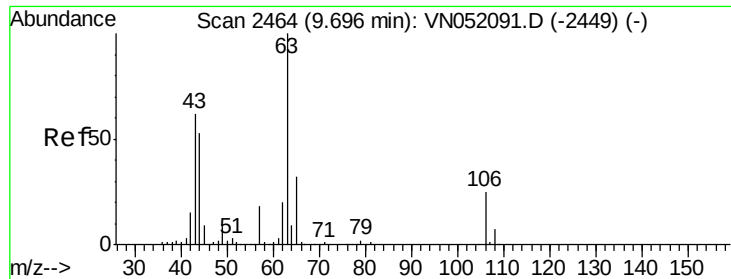
109 94.9 77.0 115.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

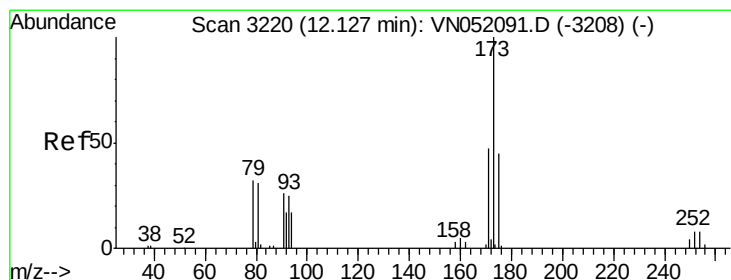
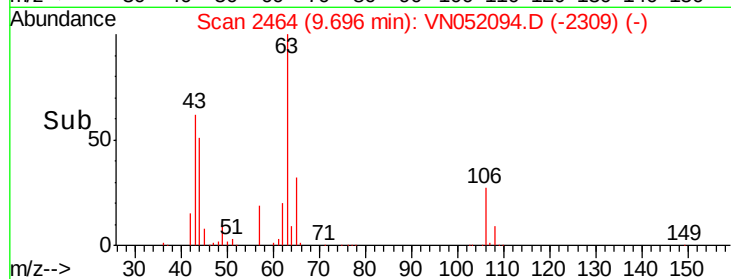
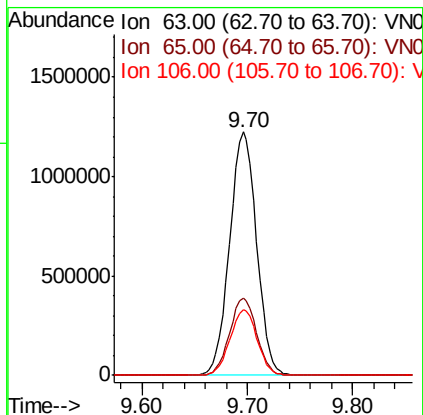
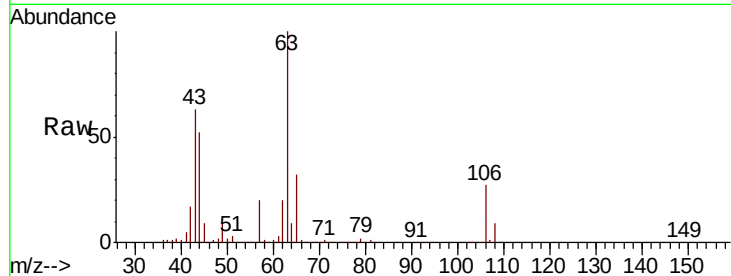




#55
2-Chloroethyl vinyl ether
Concen: 749.547 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

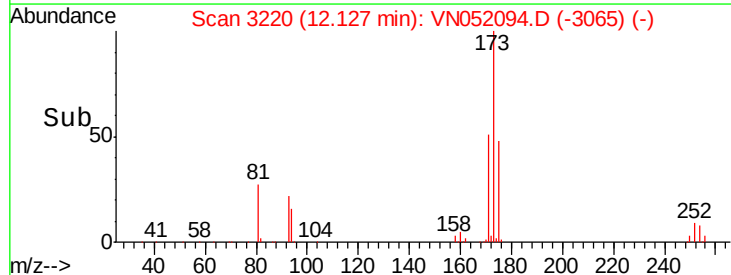
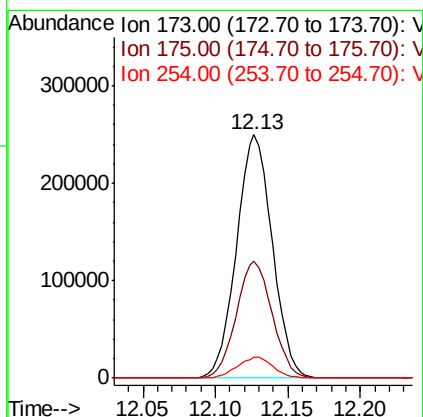
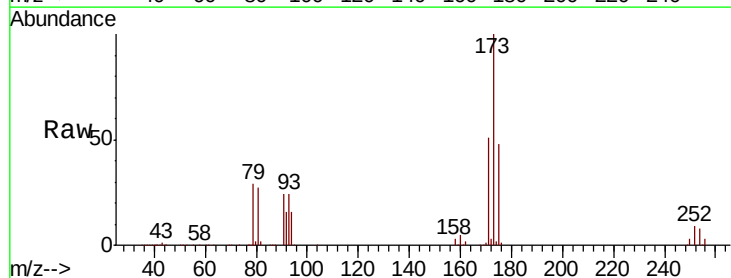
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

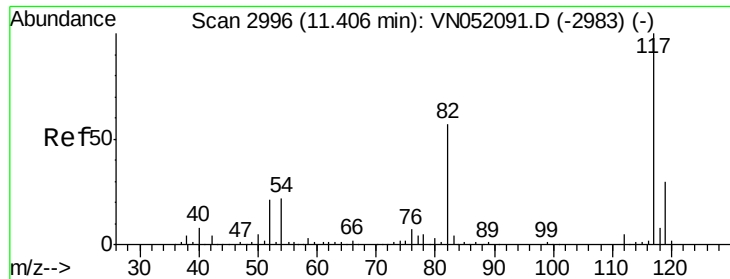
Tgt Ion: 63 Resp: 2162954
Ion Ratio Lower Upper
63 100
65 31.8 25.5 38.3
106 27.1 20.4 30.6



#56
Bromoform
Concen: 168.245 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 173 Resp: 427750
Ion Ratio Lower Upper
173 100
175 48.1 37.3 55.9
254 8.5 7.0 10.6

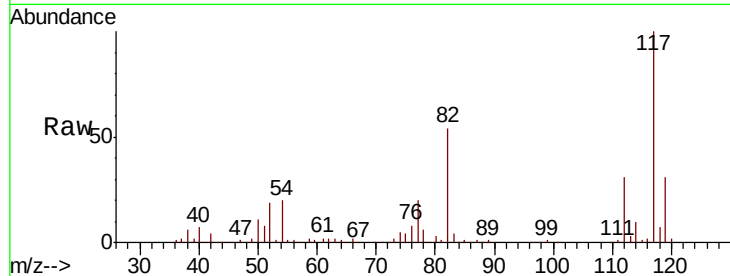




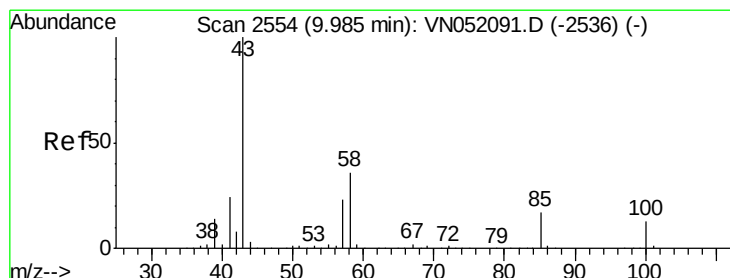
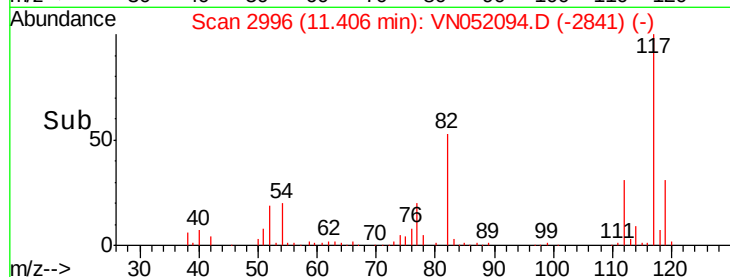
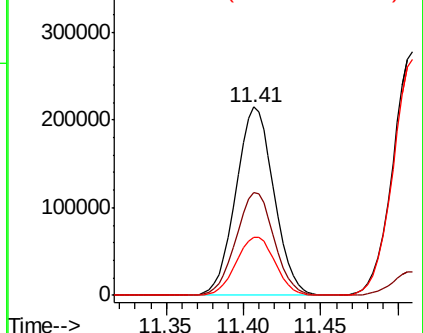
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 117 Resp: 366956
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.6
119 31.8 24.2 36.4

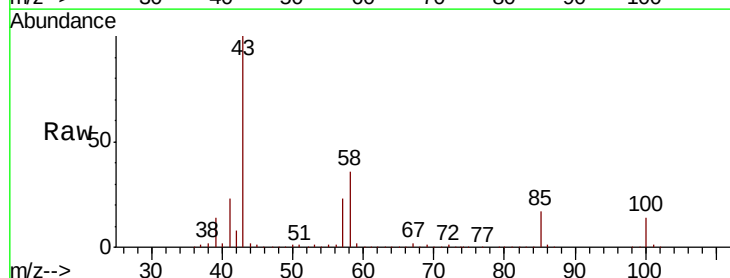


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

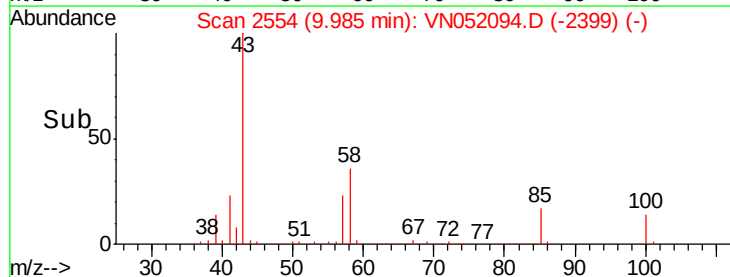
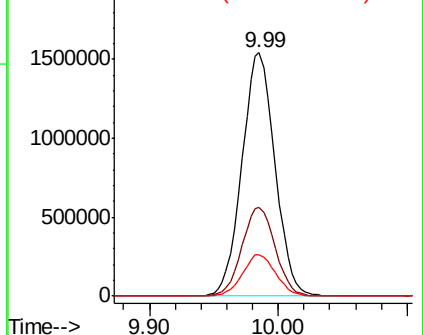


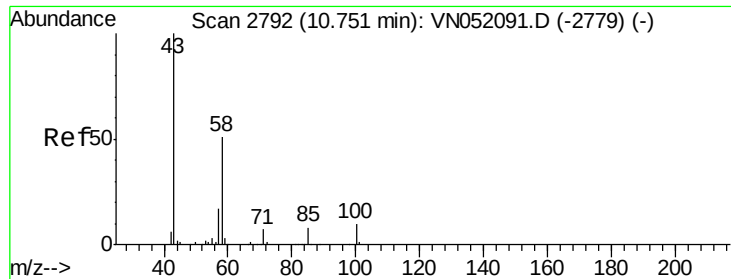
#58
4-Methyl-2-Pentanone
Concen: 697.640 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 43 Resp: 2743206
Ion Ratio Lower Upper
43 100
58 36.8 29.0 43.6
85 17.1 13.4 20.2



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

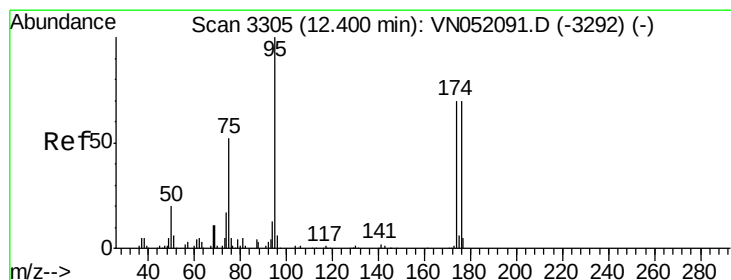
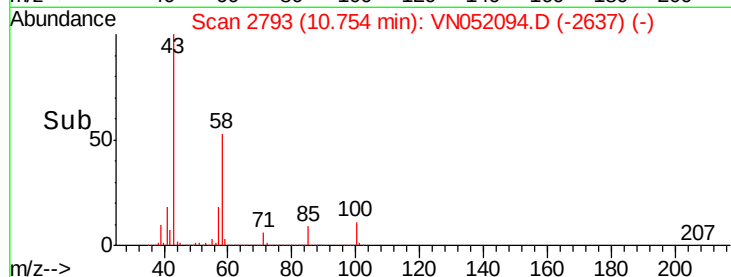
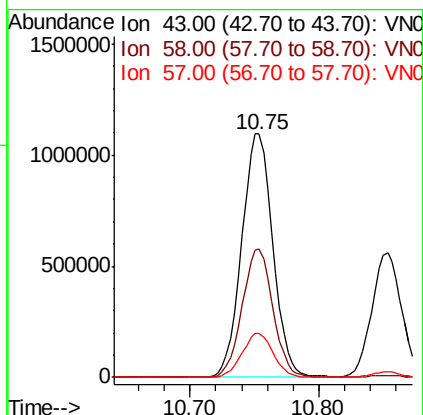
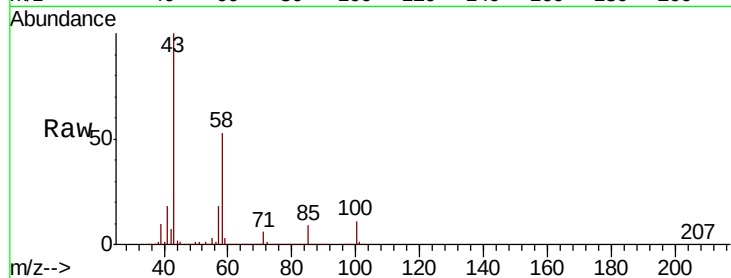




#59
 2-Hexanone
 Concen: 679.792 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

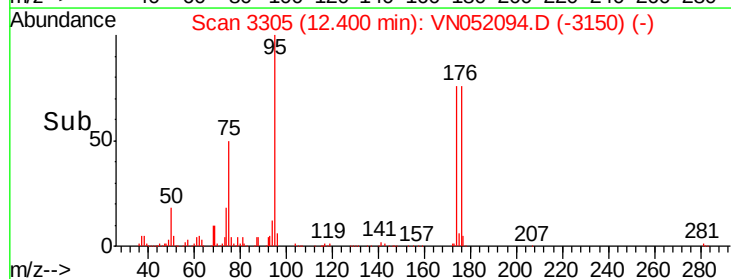
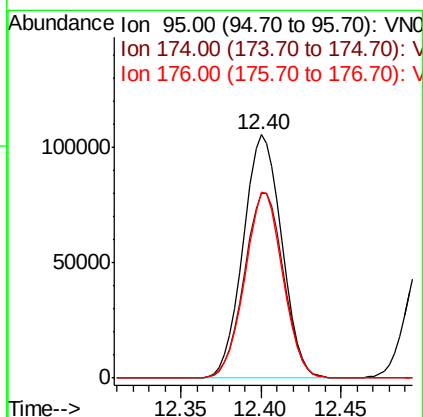
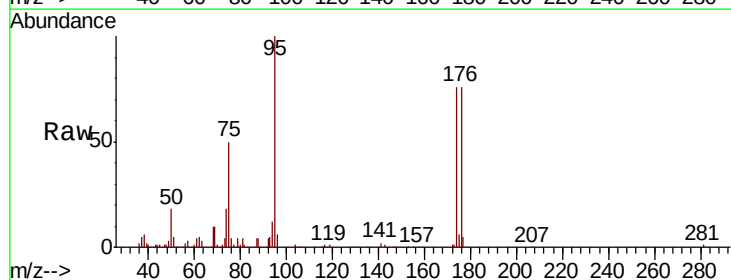
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

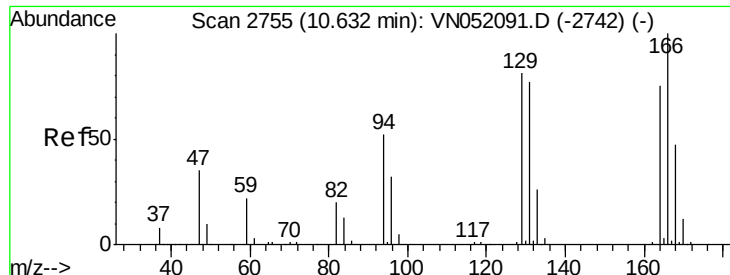
Tgt Ion: 43 Resp: 1840469
 Ion Ratio Lower Upper
 43 100
 58 52.0 40.8 61.2
 57 18.1 13.8 20.8



#60
 4-Bromofluorobenzene
 Concen: 679.792 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 95 Resp: 173066
 Ion Ratio Lower Upper
 95 100
 174 77.8 55.0 82.6
 176 75.4 54.2 81.4





#61

Tetrachloroethene

Concen: 152.812 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:164 Resp: 609853

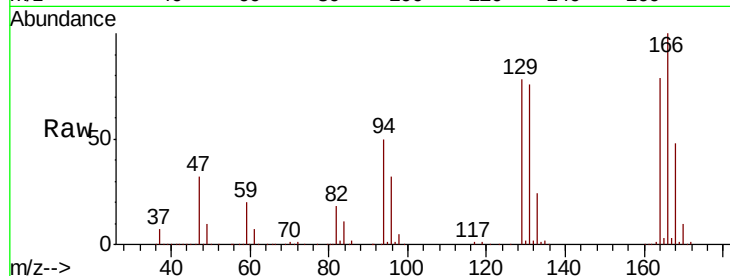
Ion Ratio Lower Upper

164 100

166 127.1 106.4 159.6

129 99.7 87.0 130.4

131 97.1 81.4 122.2

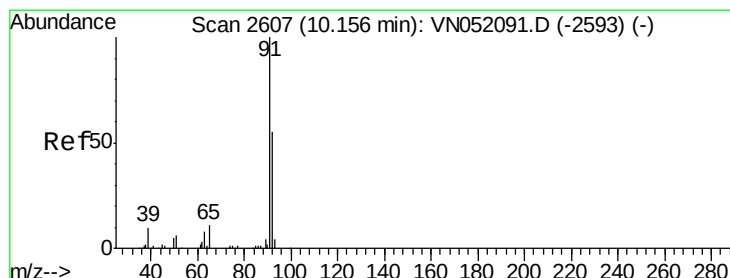
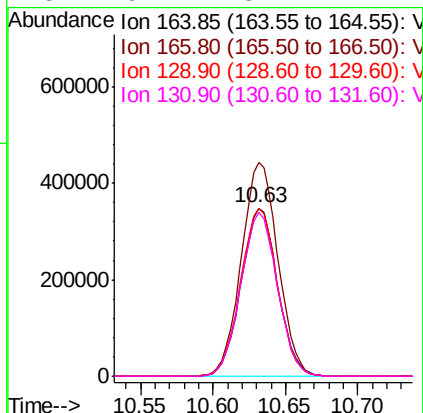
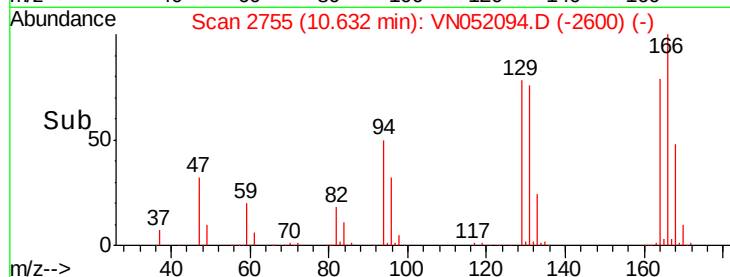


Abundance Ion 163.85 (163.55 to 164.55): V

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: 147.900 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052094.D

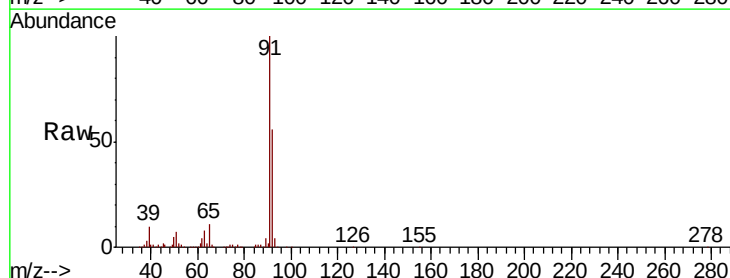
Acq: 1 Nov 2018 10:09

Tgt Ion: 91 Resp: 3046670

Ion Ratio Lower Upper

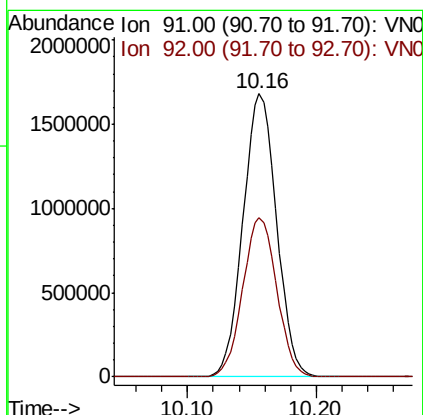
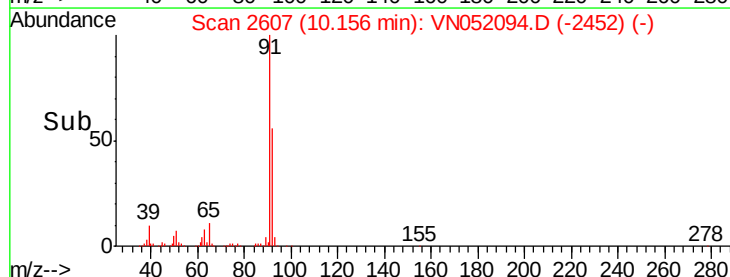
91 100

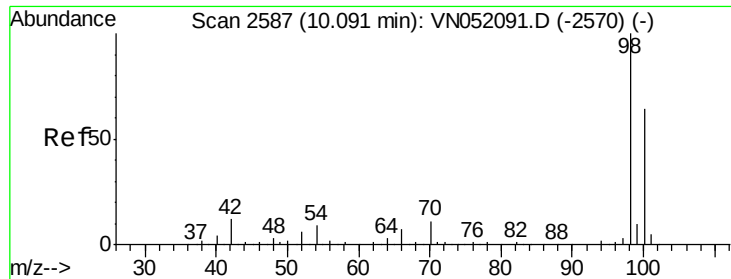
92 57.0 44.6 67.0



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO

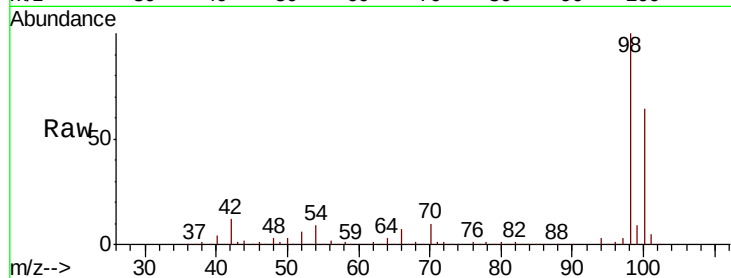




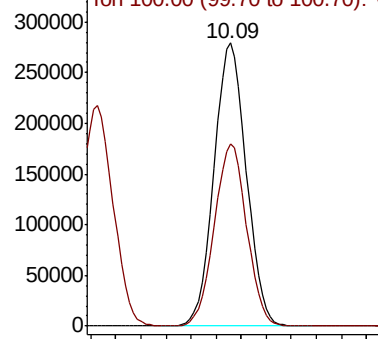
#63
Toluene-d8
Concen: 147.900 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

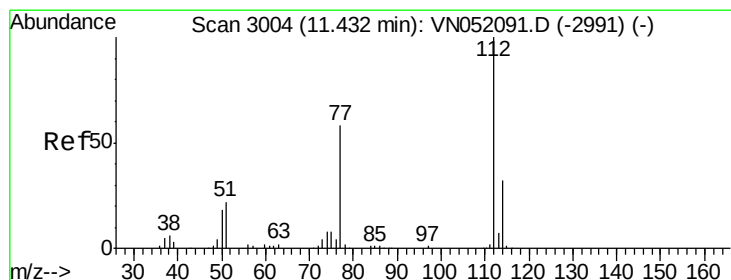
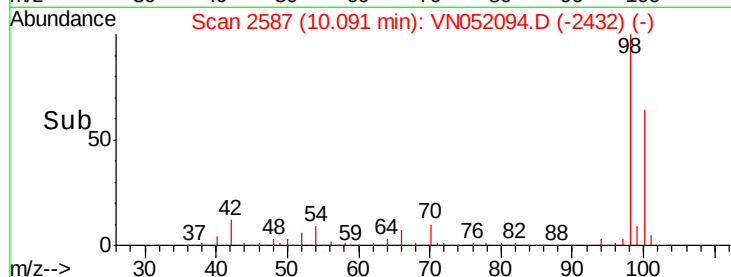
Tgt Ion: 98 Resp: 499502
Ion Ratio Lower Upper
98 100
100 64.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN052091.D (-2570) (-)
Ion 100.00 (99.70 to 100.70): VN052091.D (-2570) (-)

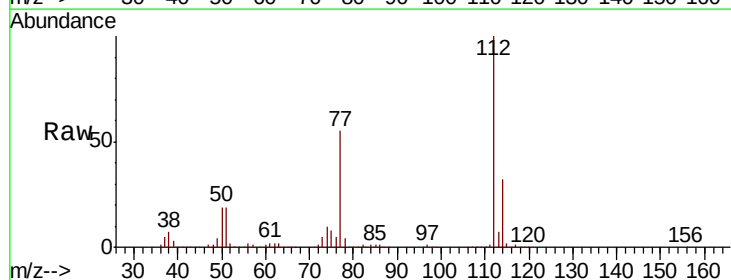


Time-->

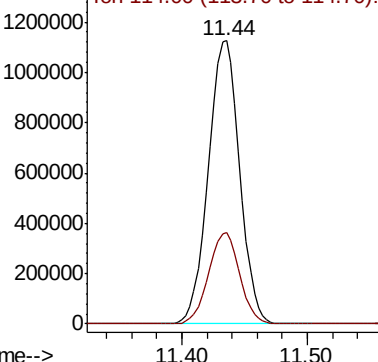


#64
Chlorobenzene
Concen: 149.213 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

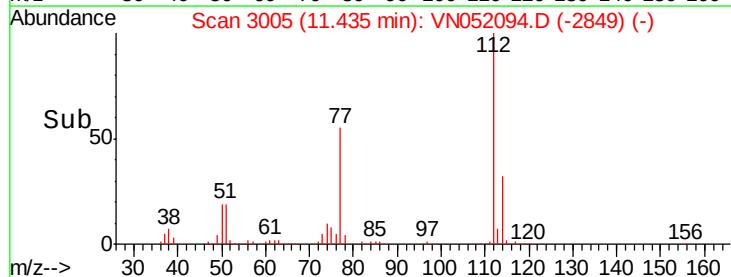
Tgt Ion: 112 Resp: 1948050
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3

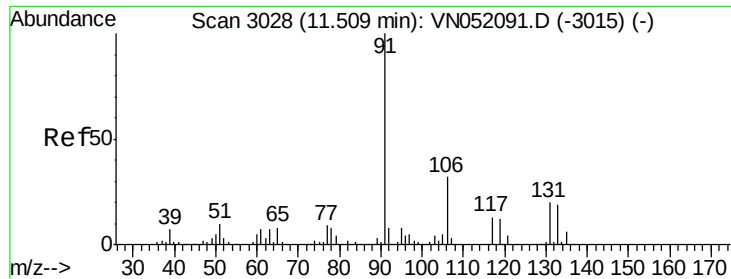


Abundance Ion 112.00 (111.70 to 112.70): VN052091.D (-2991) (-)
Ion 114.00 (113.70 to 114.70): VN052091.D (-2991) (-)



Time-->

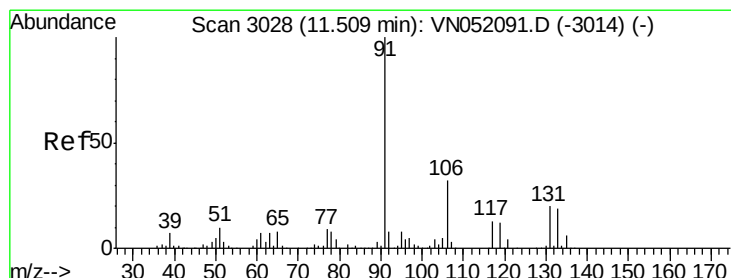
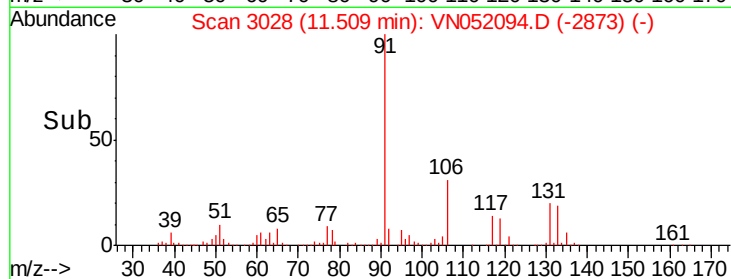
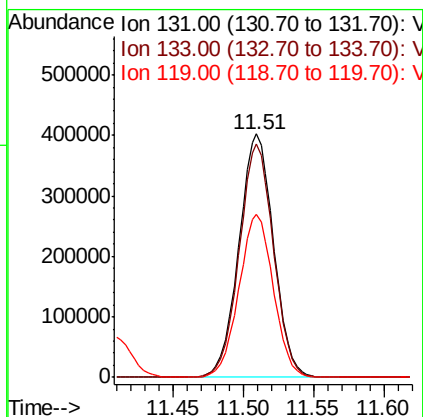
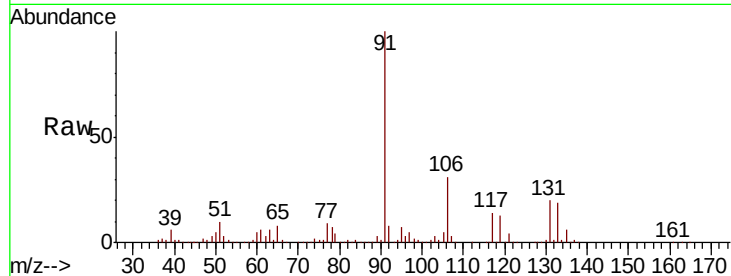




#65
1,1,1,2-Tetrachloroethane
Concen: 155.556 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

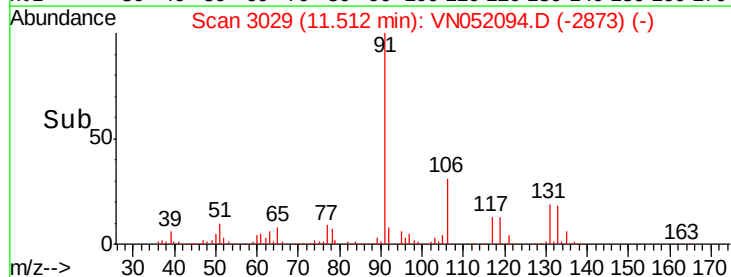
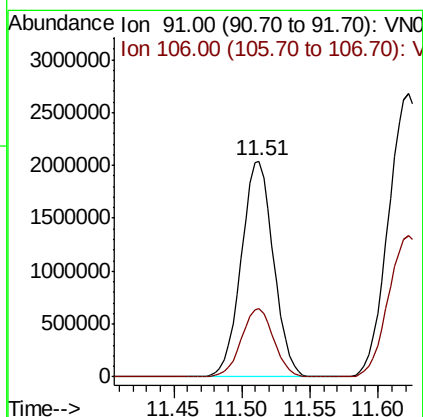
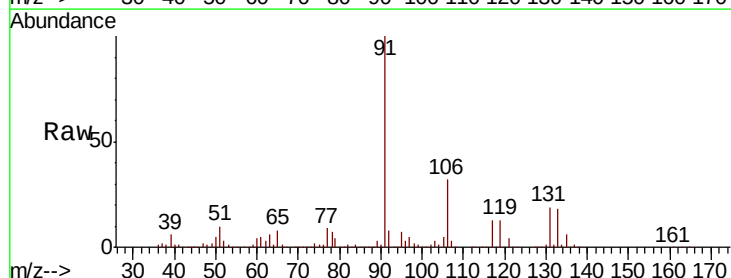
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

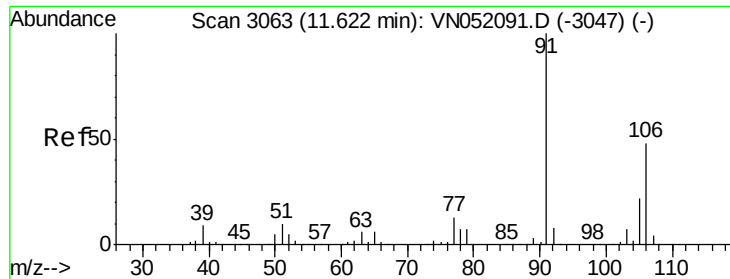
Tgt Ion:131 Resp: 691218
Ion Ratio Lower Upper
131 100
133 94.8 0.0 188.8
119 66.5 0.0 131.4



#66
Ethyl Benzene
Concen: 150.093 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 91 Resp: 3339723
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5

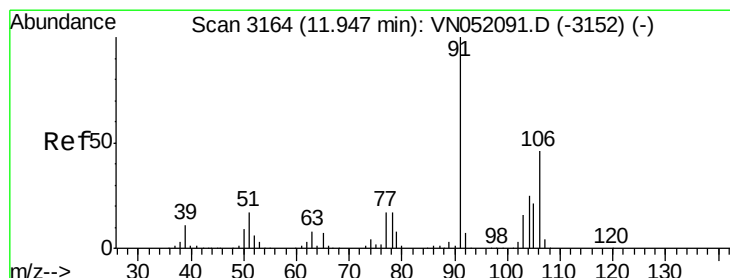
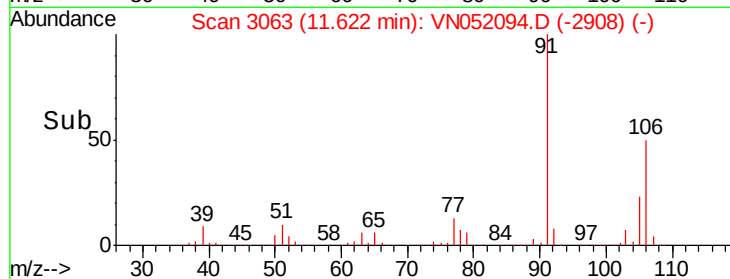
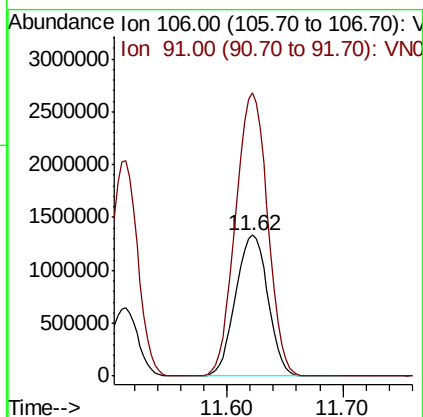
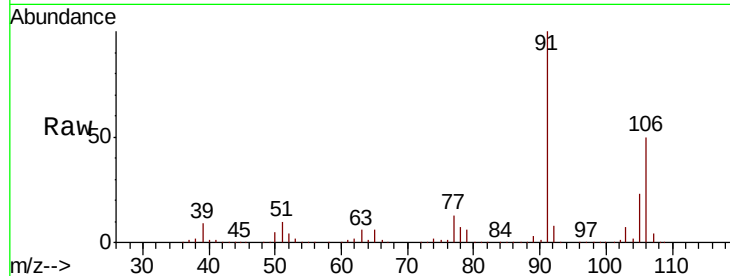




#67
m/p-Xylenes
Concen: 302.201 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

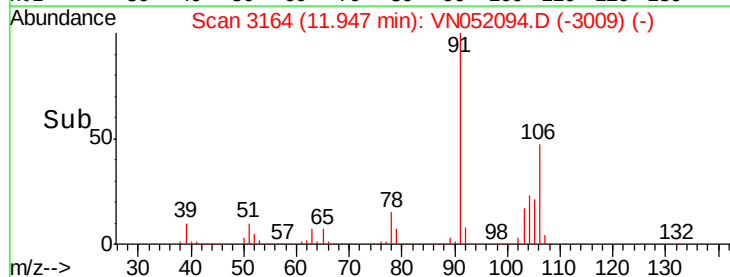
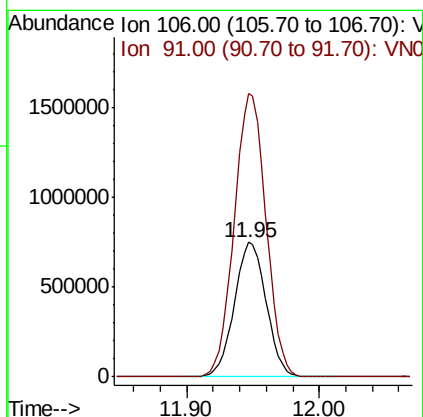
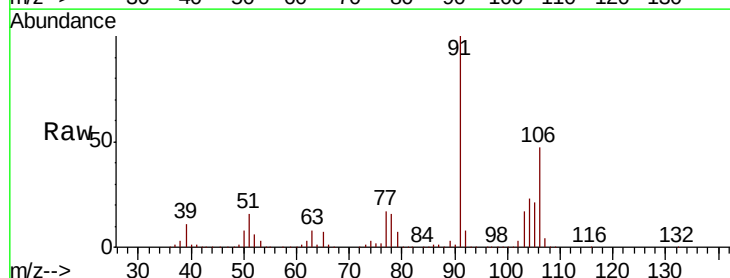
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

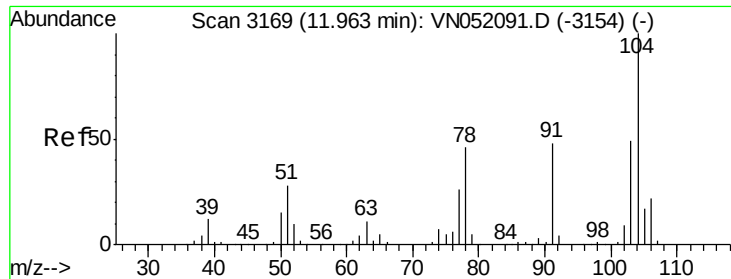
Tgt Ion:106 Resp: 2588815
Ion Ratio Lower Upper
106 100
91 199.4 163.6 245.4



#68
o-Xylene
Concen: 152.529 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion:106 Resp: 1245754
Ion Ratio Lower Upper
106 100
91 210.3 110.0 330.0

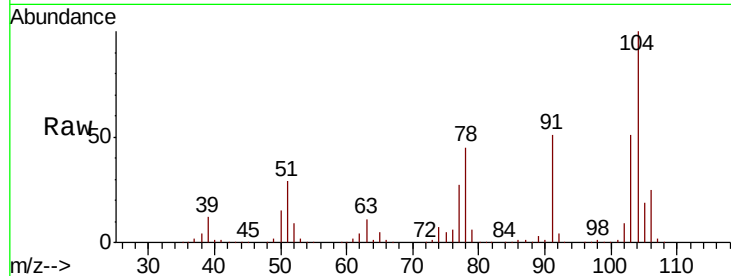




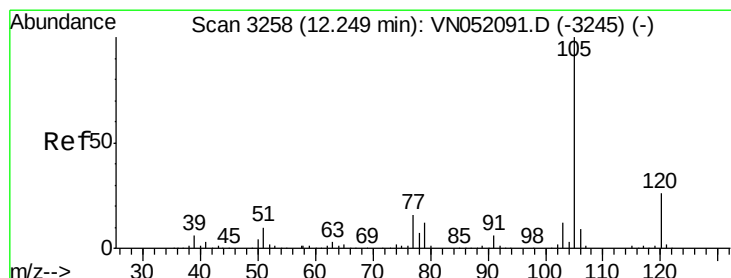
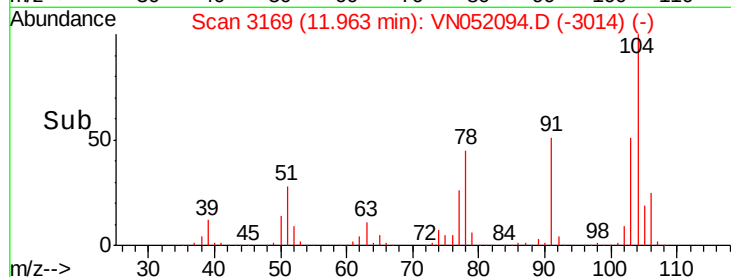
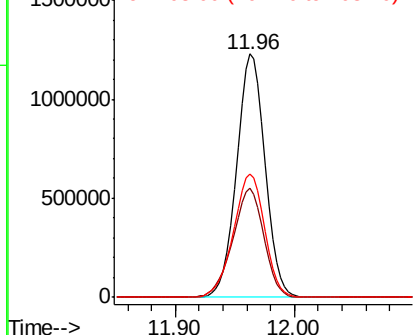
#69
Styrene
Concen: 154.110 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:104 Resp: 2028264
Ion Ratio Lower Upper
104 100
78 49.2 41.3 61.9
103 55.7 43.3 64.9

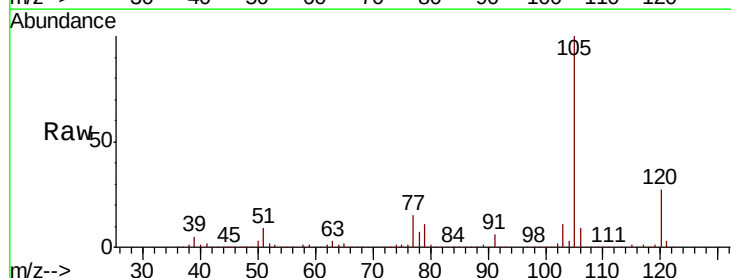


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

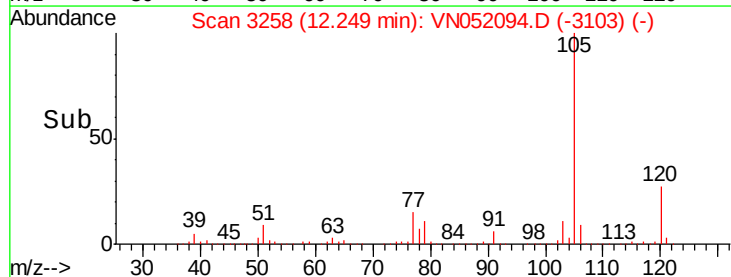
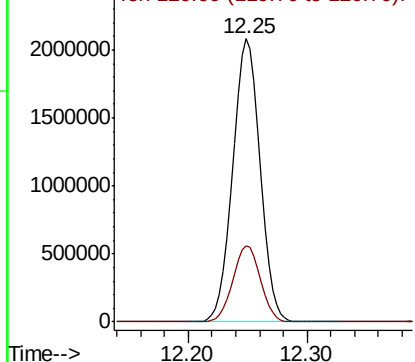


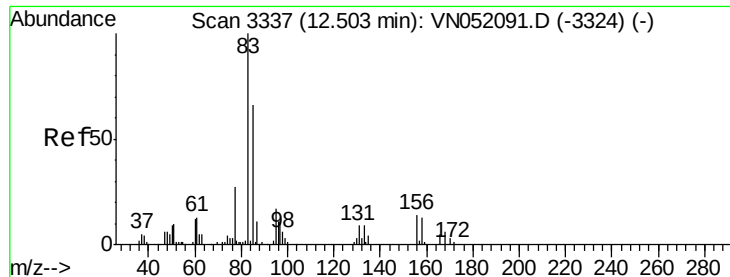
#70
Isopropylbenzene
Concen: 150.887 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion:105 Resp: 3308214
Ion Ratio Lower Upper
105 100
120 27.3 18.4 34.2



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

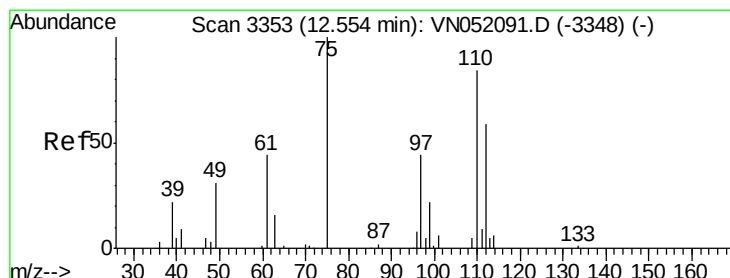
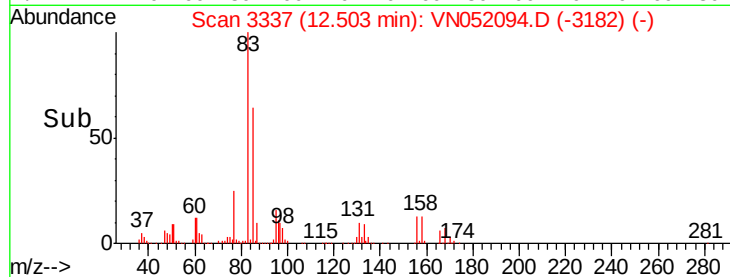
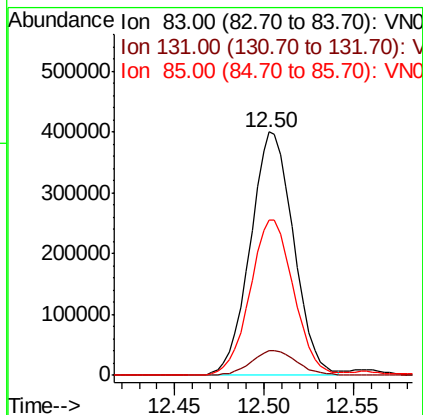
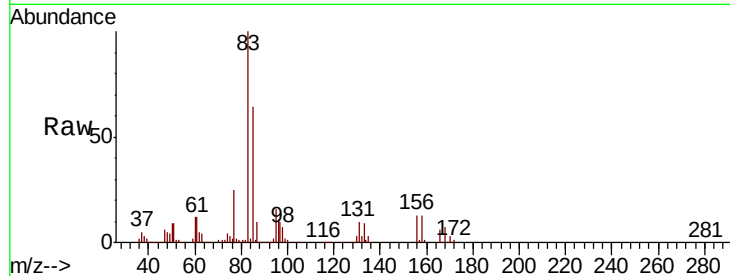




#71
 1,1,2,2-Tetrachloroethane
 Concen: 140.435 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

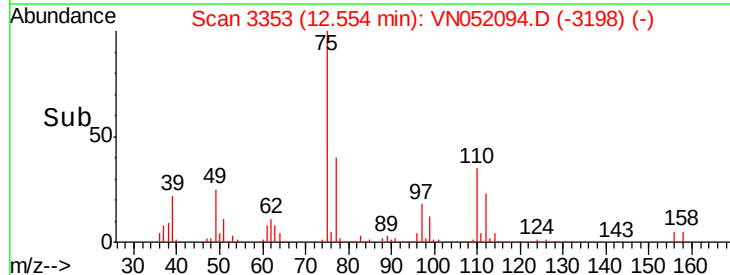
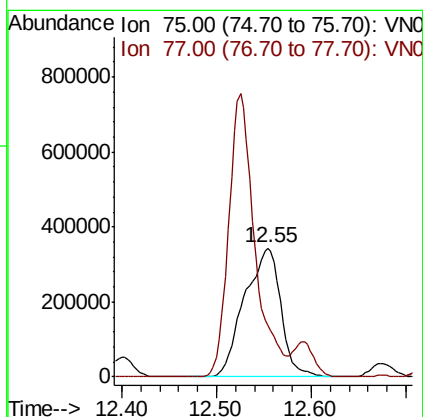
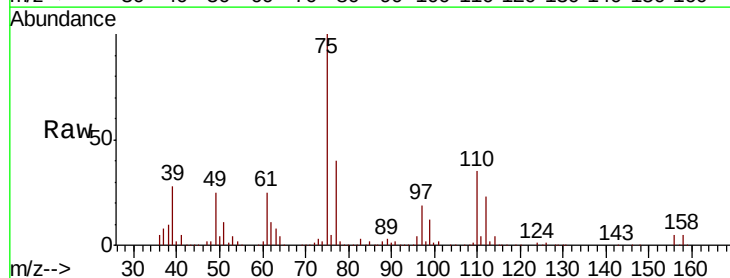
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

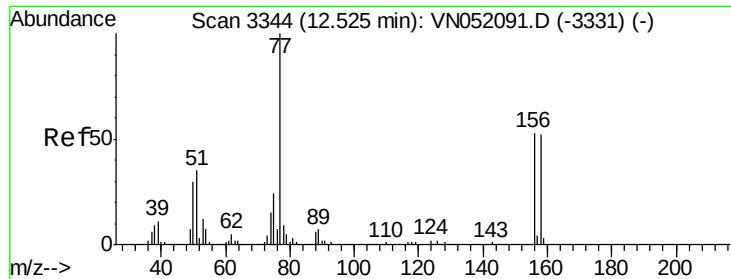
Tgt Ion: 83 Resp: 677254
 Ion Ratio Lower Upper
 83 100
 131 10.7 4.8 14.3
 85 64.4 32.7 98.1



#72
 1,2,3-Trichloropropane
 Concen: 228.104 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 75 Resp: 914711
 Ion Ratio Lower Upper
 75 100
 77 158.7 0.0 481.8





#73

Bromobenzene

Concen: 157.414 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

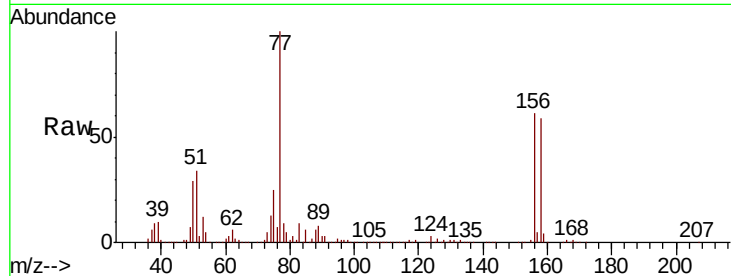
Tgt Ion:156 Resp: 764751

Ion Ratio Lower Upper

156 100

77 189.8 0.0 428.0

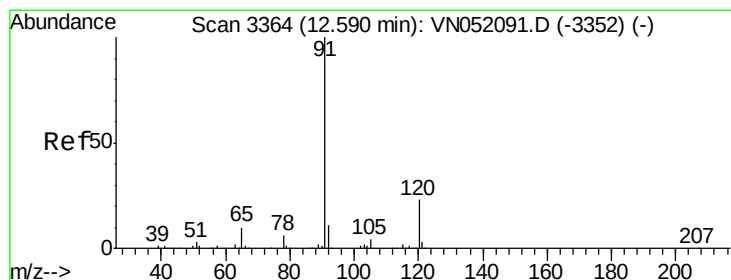
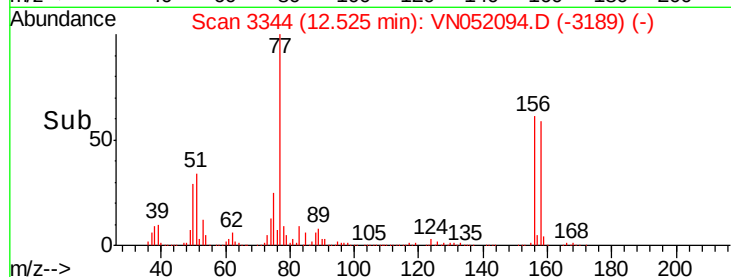
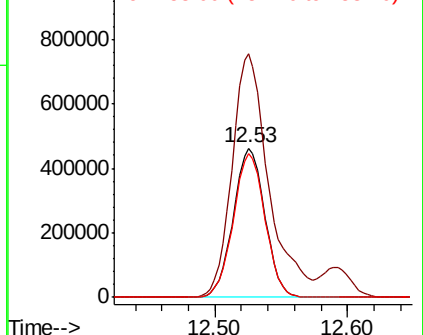
158 96.8 0.0 196.8



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: 149.994 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052094.D

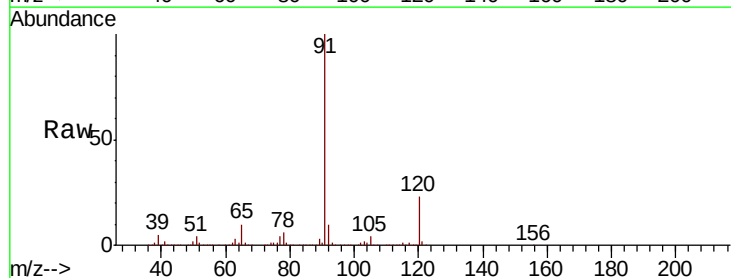
Acq: 1 Nov 2018 10:09

Tgt Ion: 91 Resp: 3829638

Ion Ratio Lower Upper

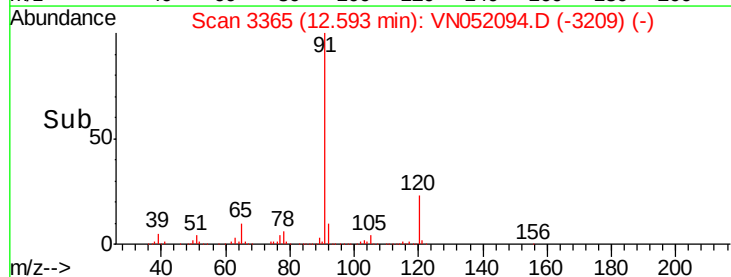
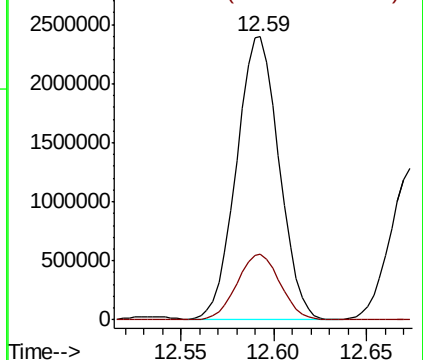
91 100

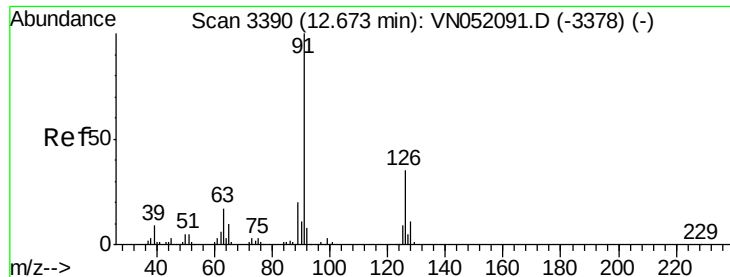
120 23.4 0.0 44.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 145.908 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

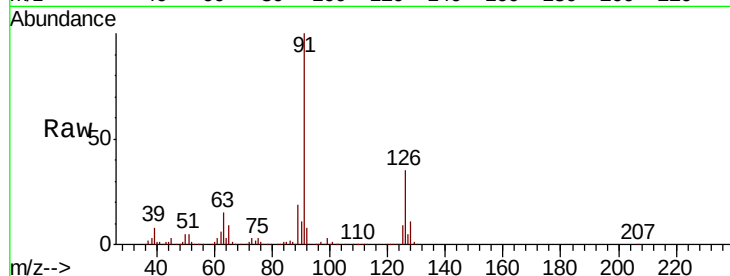
VSTDIC150

Tgt Ion: 91 Resp: 2147745

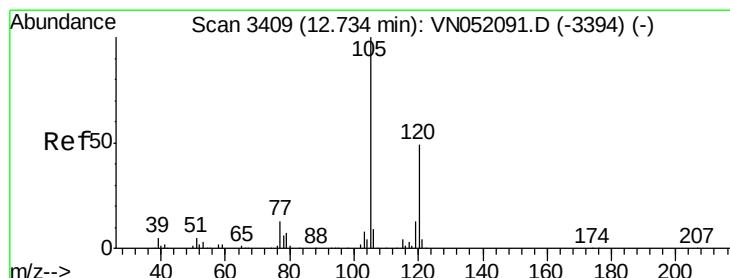
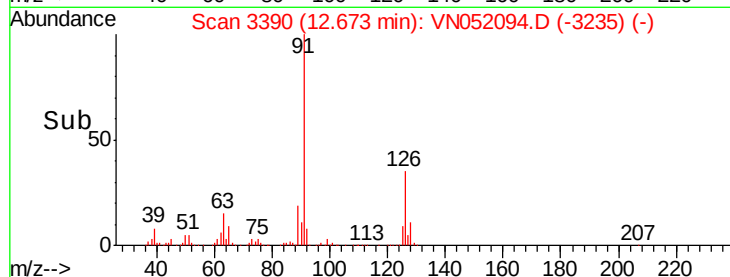
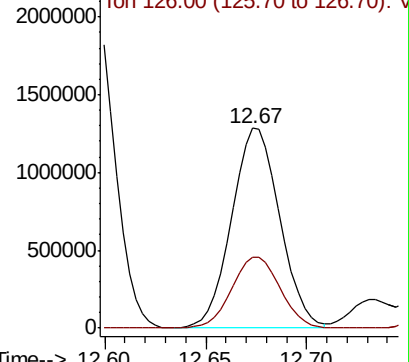
Ion Ratio Lower Upper

91 100

126 35.7 0.0 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN052094.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 150.554 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052094.D

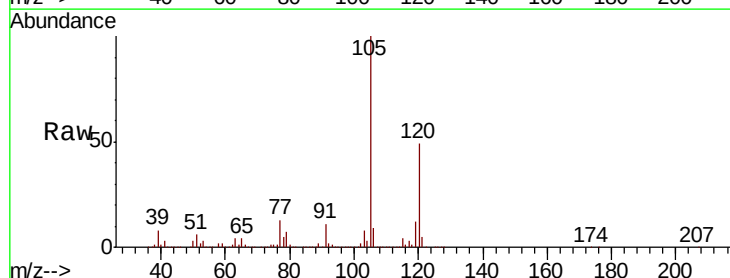
Acq: 1 Nov 2018 10:09

Tgt Ion: 105 Resp: 2646867

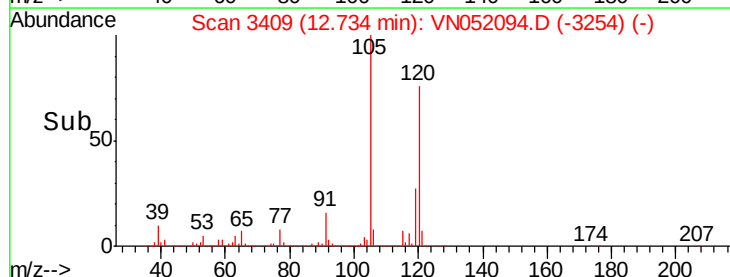
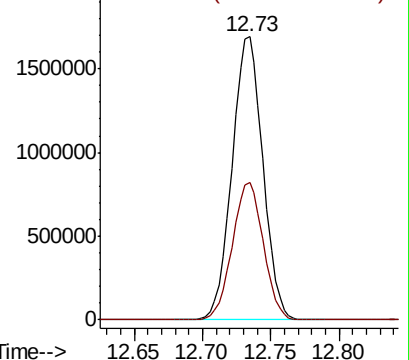
Ion Ratio Lower Upper

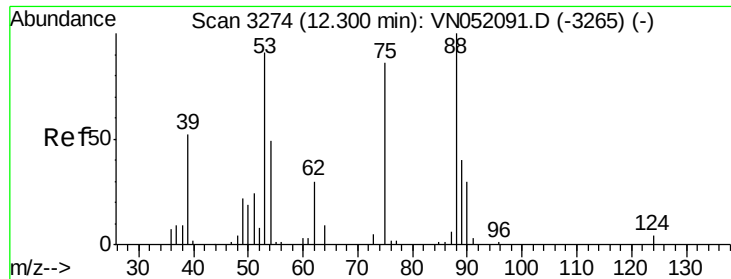
105 100

120 48.9 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052094.D (-3394) (-)

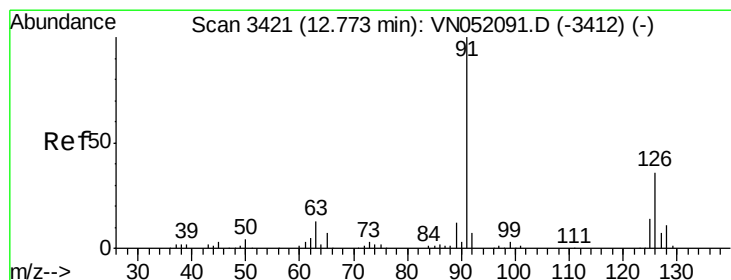
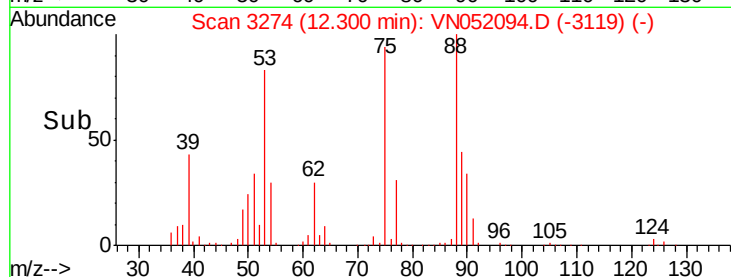
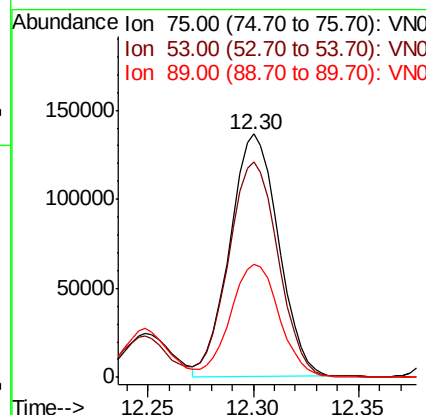
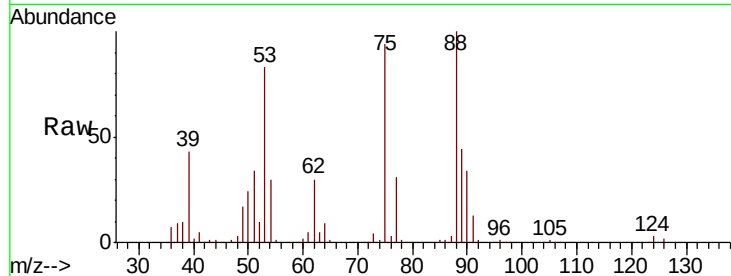




#77
t-1,4-Dichloro-2-butene
Concen: 164.554 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

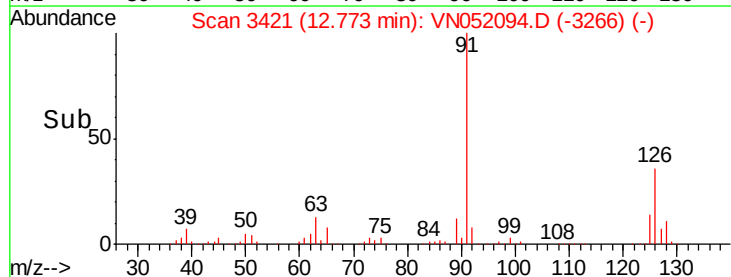
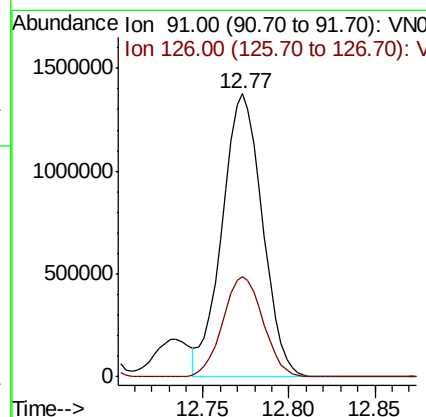
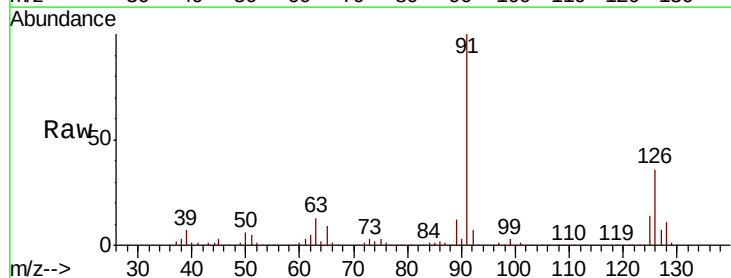
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

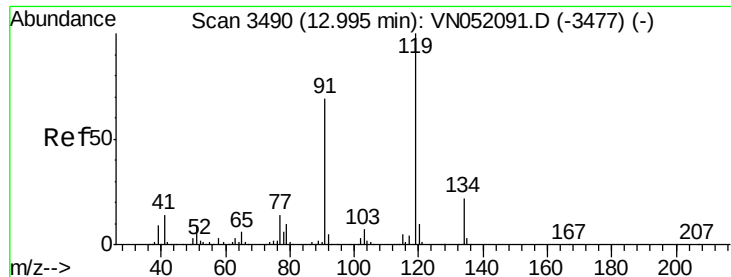
Tgt Ion: 75 Resp: 218319
Ion Ratio Lower Upper
75 100
53 88.4 50.7 152.1
89 46.4 23.8 71.5



#78
4-Chlorotoluene
Concen: 151.063 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 91 Resp: 2239242
Ion Ratio Lower Upper
91 100
126 35.5 0.0 68.0

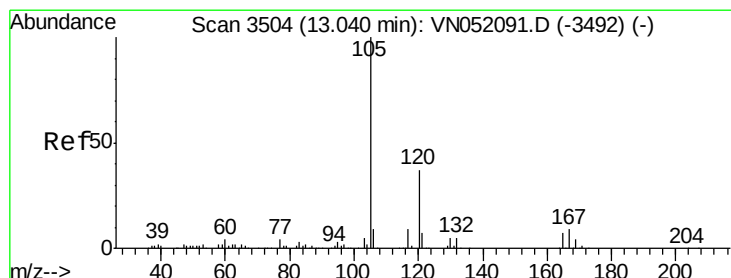
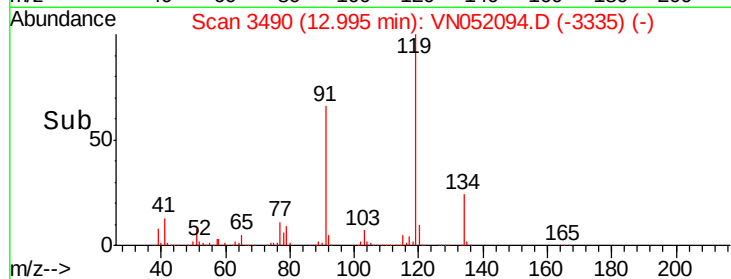
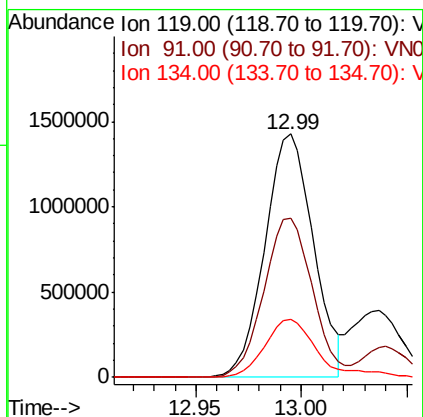
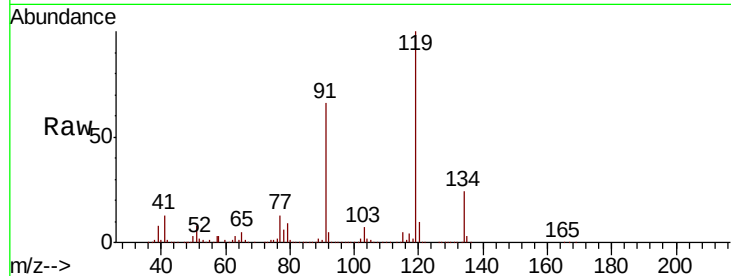




#79
 tert-butylbenzene
 Concen: 149.322 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

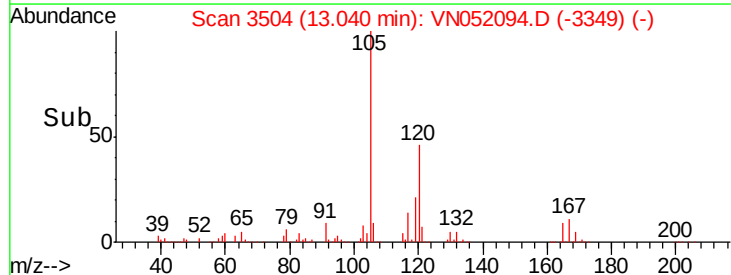
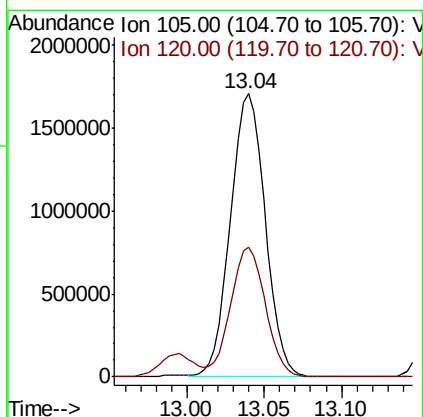
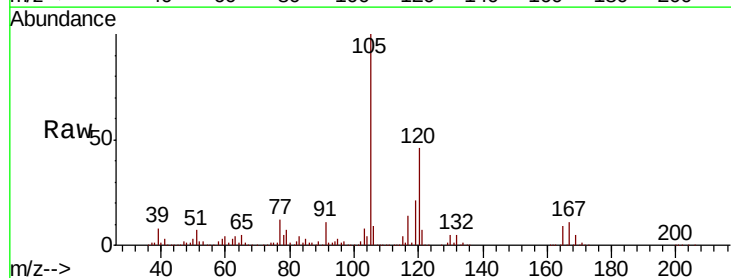
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

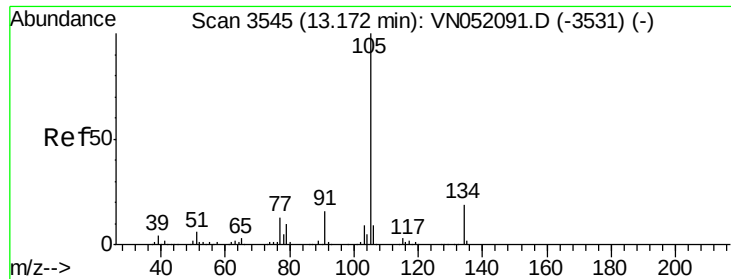
Tgt Ion:119 Resp: 2286810
 Ion Ratio Lower Upper
 119 100
 91 65.5 0.0 131.2
 134 26.2 0.0 45.8



#80
 1,2,4-Trimethylbenzene
 Concen: 152.307 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion:105 Resp: 2667594
 Ion Ratio Lower Upper
 105 100
 120 45.8 0.0 89.4





#81

sec-Butylbenzene

Concen: 152.597 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

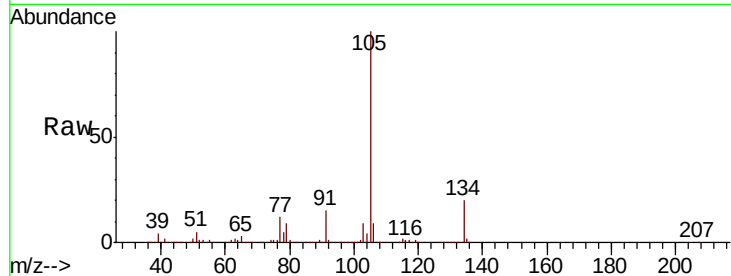
VSTDIC150

Tgt Ion:105 Resp: 3216141

Ion Ratio Lower Upper

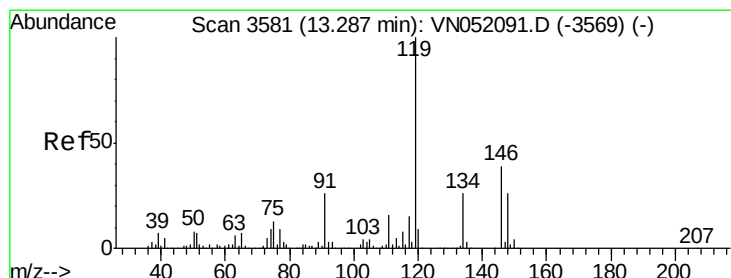
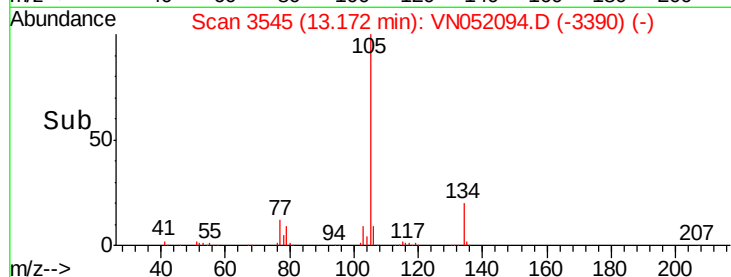
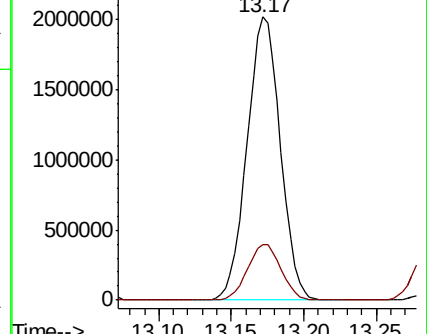
105 100

134 19.9 0.0 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 155.769 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

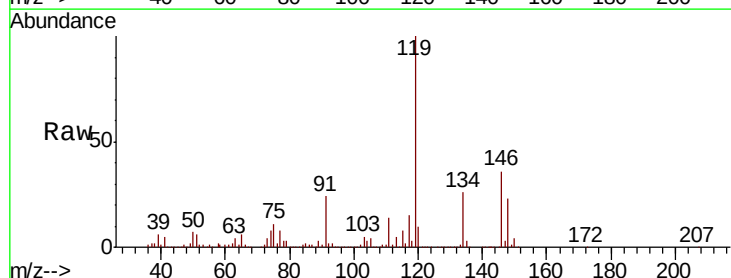
Tgt Ion:119 Resp: 2774432

Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.0

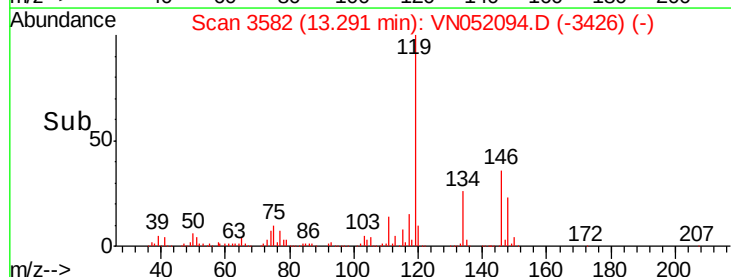
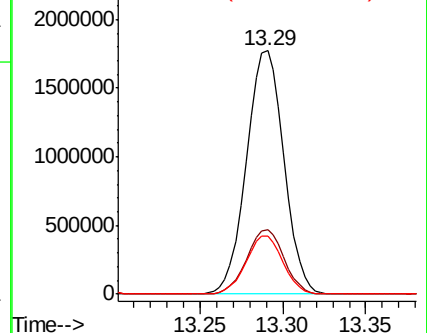
91 23.7 0.0 50.8

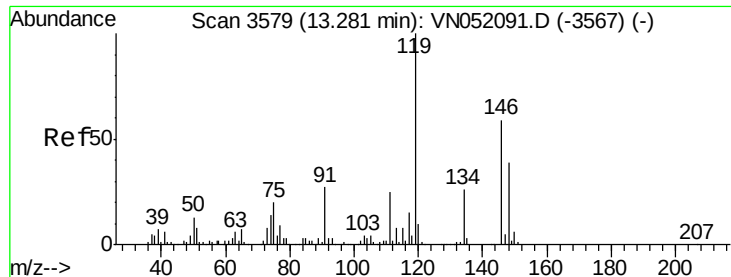


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

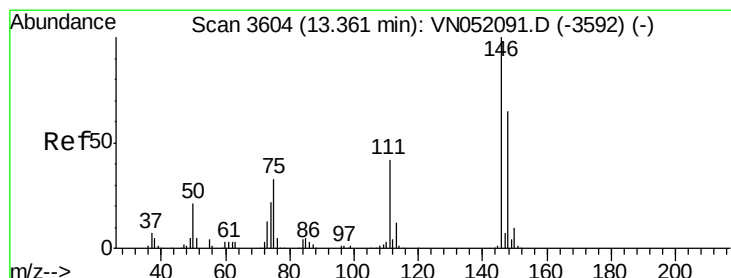
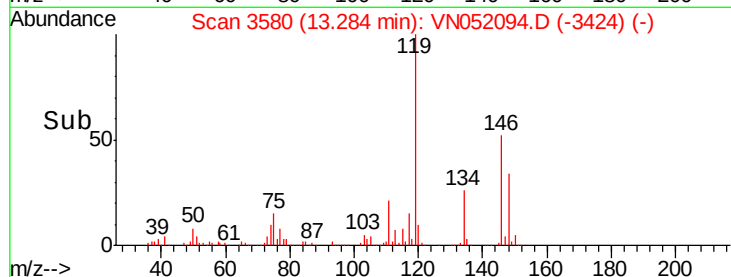
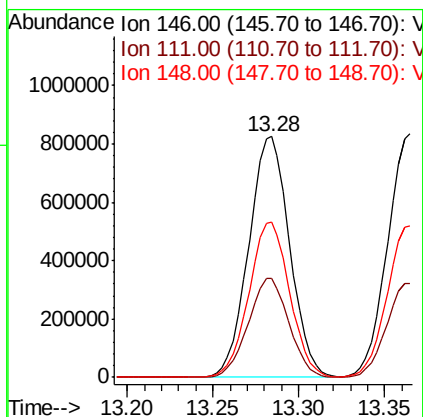
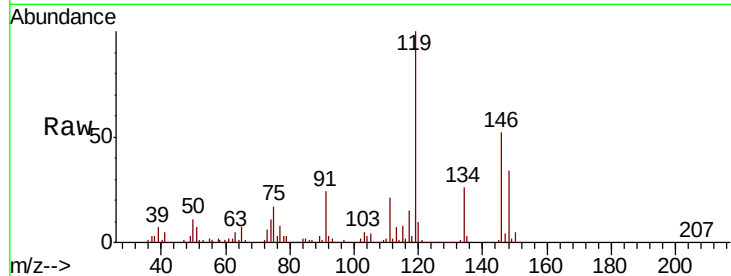




#83
 1,3-Dichlorobenzene
 Concen: 157.958 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

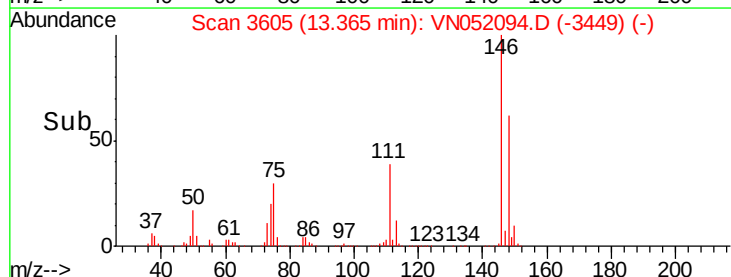
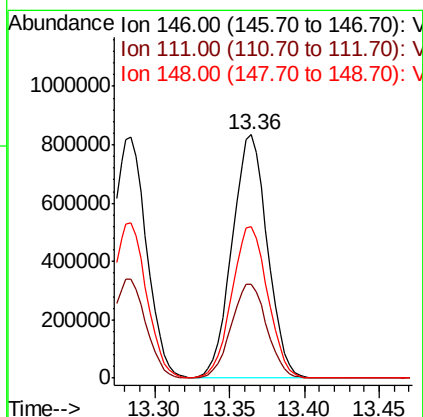
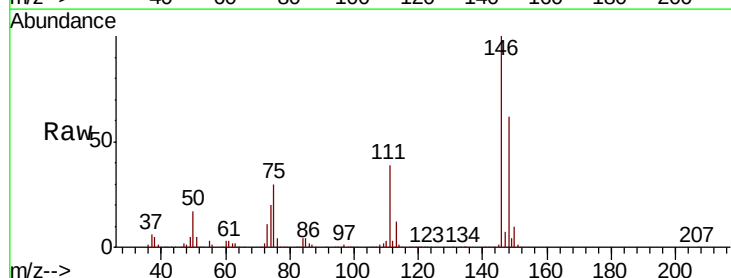
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

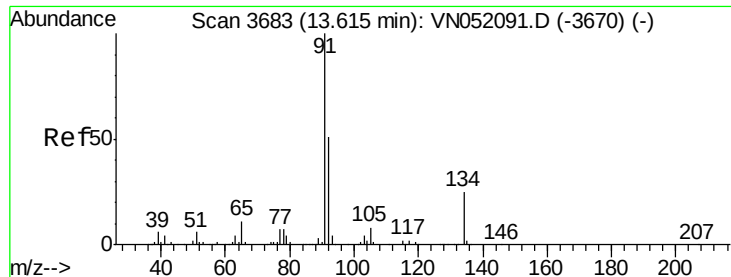
Tgt Ion:146 Resp: 1357384
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.0 63.0
 148 64.2 33.4 100.2



#84
 1,4-Dichlorobenzene
 Concen: 160.768 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion:146 Resp: 1367650
 Ion Ratio Lower Upper
 146 100
 111 39.1 21.4 64.2
 148 63.3 32.6 98.0





#85

n-Butylbenzene

Concen: 158.717 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

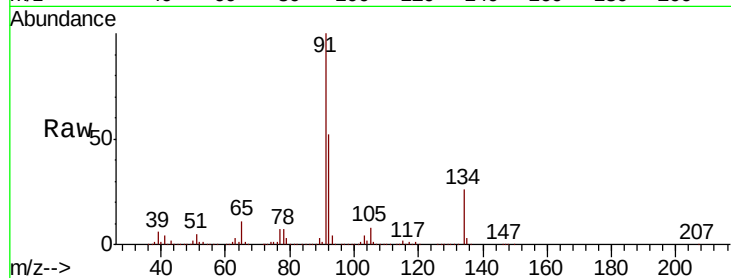
Tgt Ion: 91 Resp: 2446745

Ion Ratio Lower Upper

91 100

92 51.8 0.0 102.8

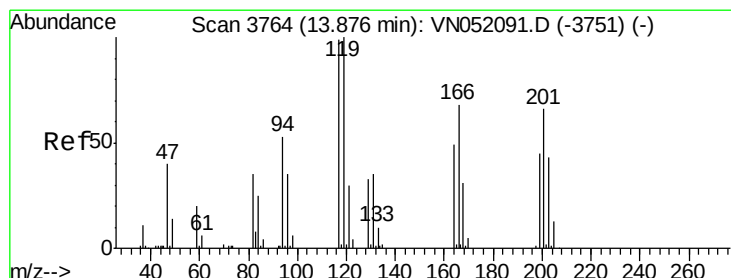
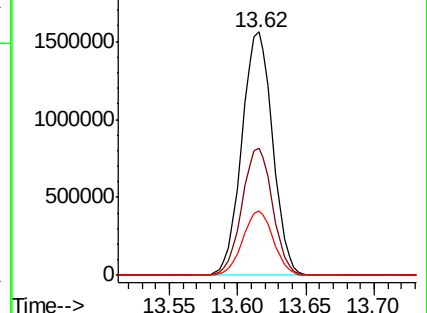
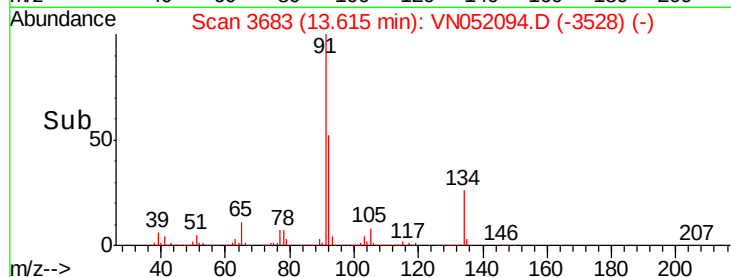
134 26.2 0.0 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN052091.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN052091.D (-3670) (-)



#86

Hexachloroethane

Concen: 164.670 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052094.D

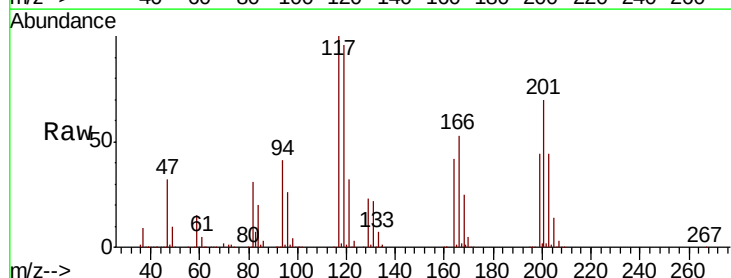
Acq: 1 Nov 2018 10:09

Tgt Ion: 117 Resp: 494949

Ion Ratio Lower Upper

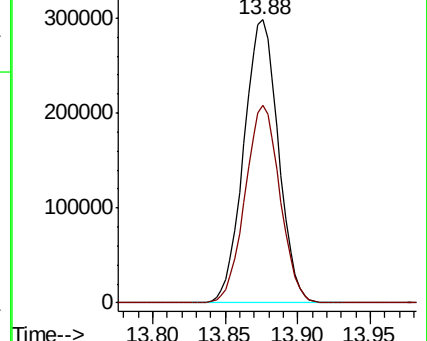
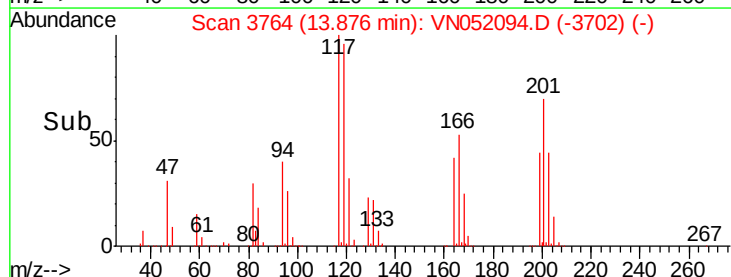
117 100

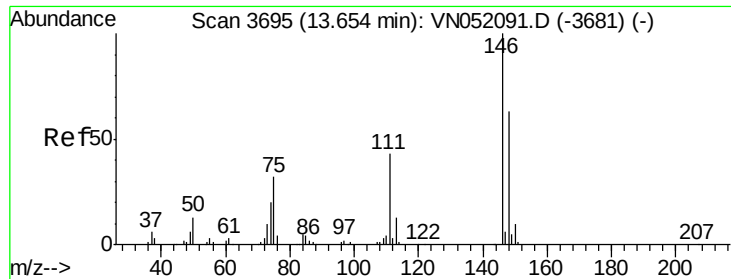
201 70.2 32.2 96.6



Abundance Ion 117.00 (116.70 to 117.70): VN052091.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052091.D (-3751) (-)

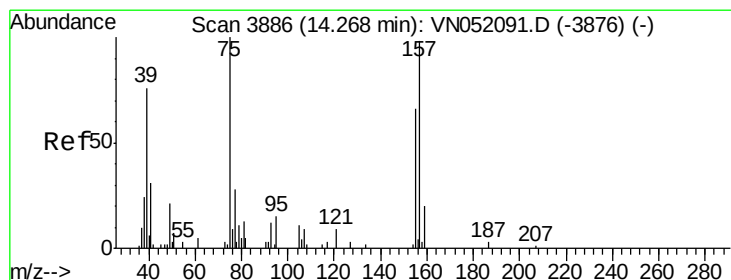
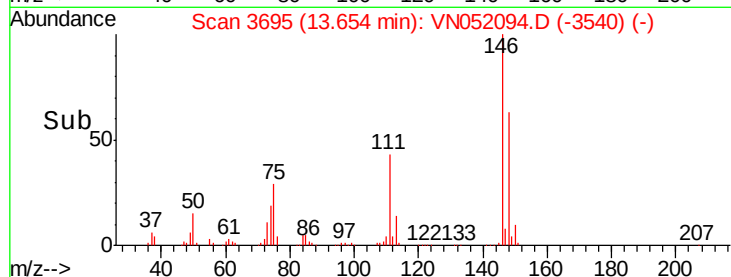
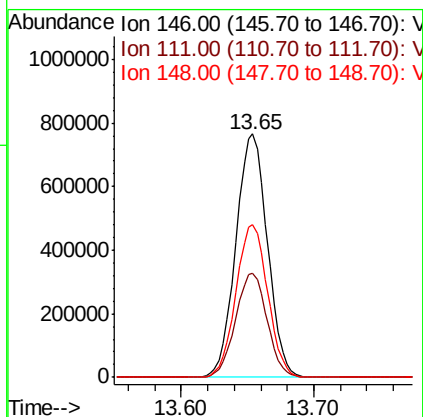
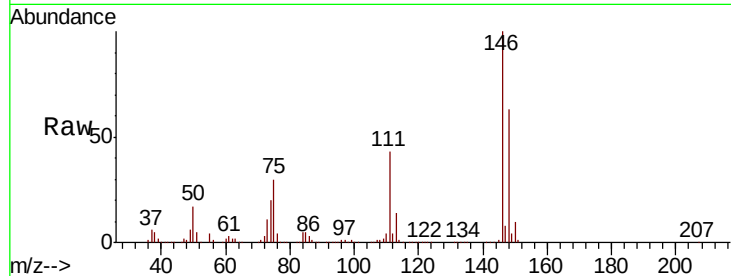




#87
 1,2-Dichlorobenzene
 Concen: 154.974 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

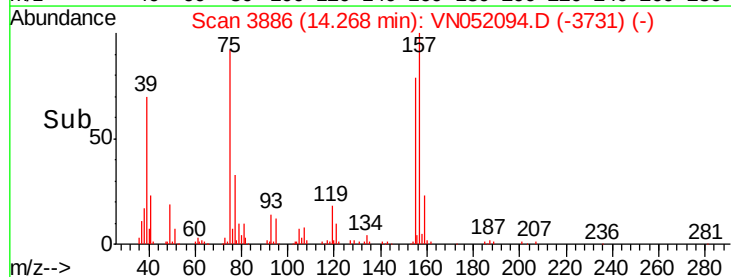
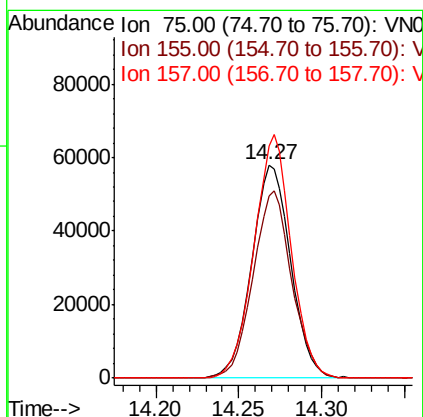
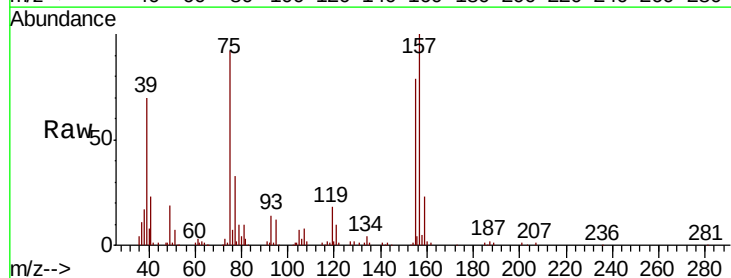
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

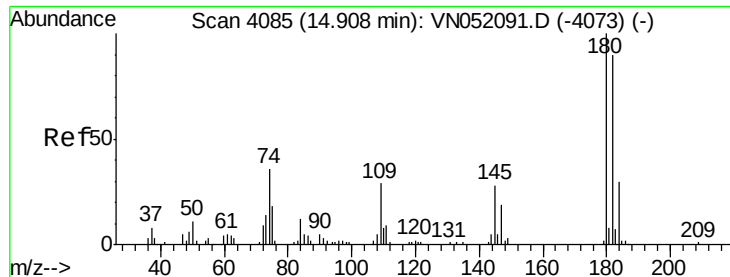
Tgt Ion:146 Resp: 1265284
 Ion Ratio Lower Upper
 146 100
 111 42.7 22.4 67.0
 148 63.0 32.5 97.4



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 143.940 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 75 Resp: 94919
 Ion Ratio Lower Upper
 75 100
 155 87.3 56.7 85.1#
 157 109.2 80.4 120.6

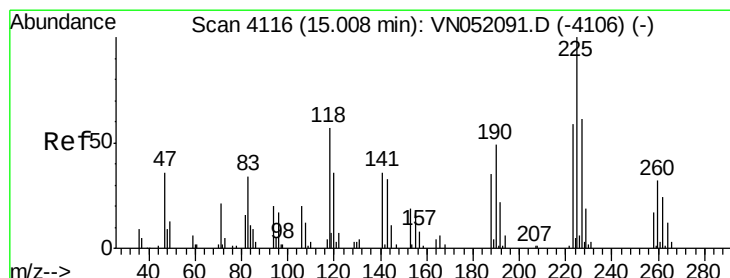
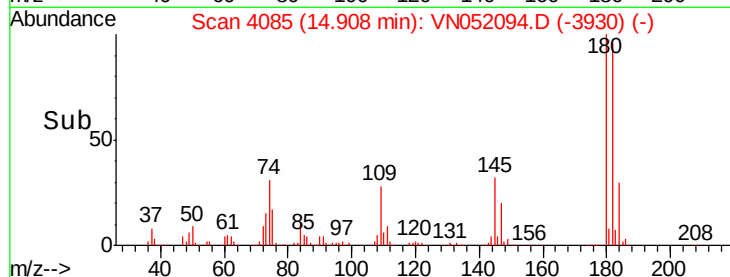
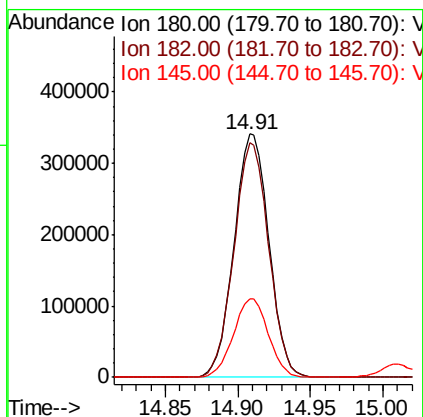
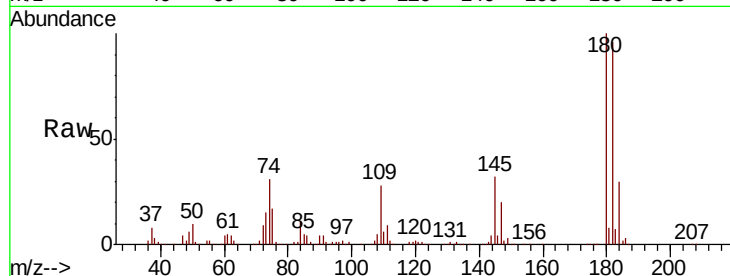




#89
 1,2,4-Trichlorobenzene
 Concen: 171.811 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

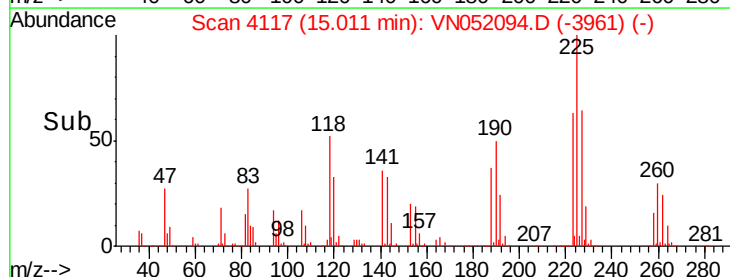
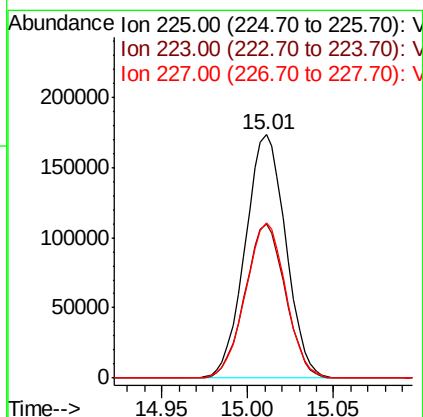
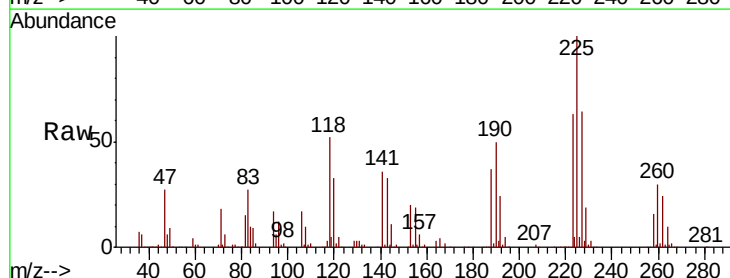
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

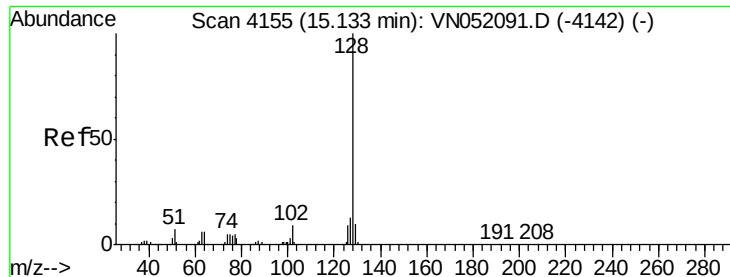
Tgt Ion:180 Resp: 569426
 Ion Ratio Lower Upper
 180 100
 182 96.1 74.0 111.0
 145 32.3 24.6 36.8



#90
 Hexachlorobutadiene
 Concen: 156.492 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion:225 Resp: 283758
 Ion Ratio Lower Upper
 225 100
 223 62.9 0.0 121.2
 227 63.5 0.0 127.2





#91

Naphthalene

Concen: 170.801 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

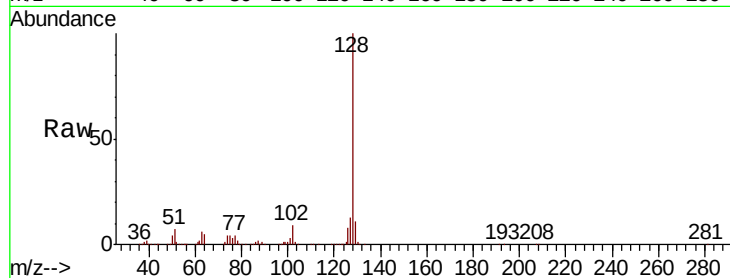
Tgt Ion:128 Resp: 1304768

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

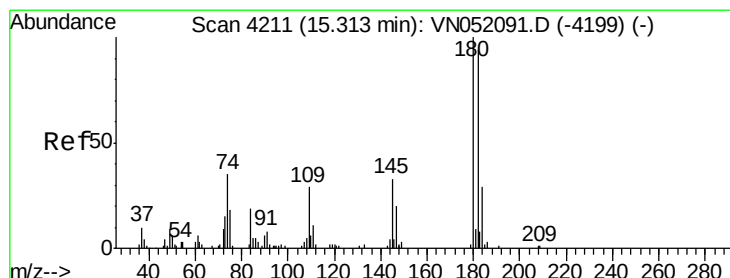
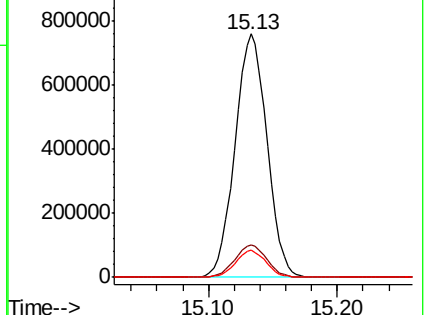
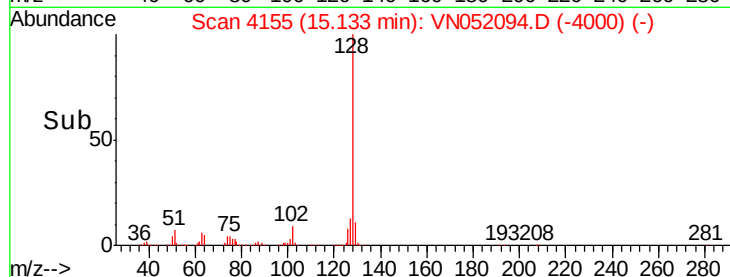
129 10.7 8.3 12.5



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: 171.557 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

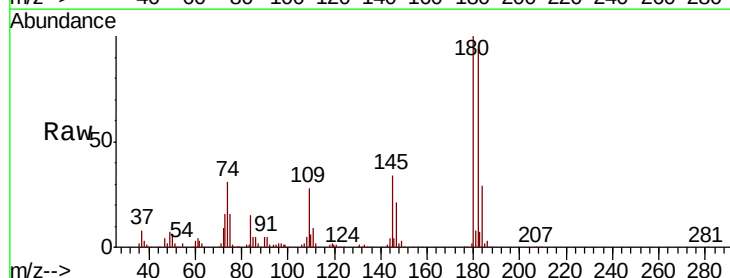
Tgt Ion:180 Resp: 495541

Ion Ratio Lower Upper

180 100

182 93.1 0.0 186.6

145 34.0 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

