

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051681.D
 Acq On : 5 Oct 2018 12:49
 Operator : MD\SY
 Sample : VN1005WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Quant Time: Oct 05 14:53:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	102529	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	586151	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	518893	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	208209	29.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.53%
60) 4-Bromofluorobenzene	12.40	95	210468	26.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.60%
63) Toluene-d8	10.09	98	703352	30.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	119648	20.006	ug/l 100
3) Chloromethane	2.06	50	120909	20.594	ug/l 99
4) Vinyl Chloride	2.18	62	190709	21.356	ug/l 98
5) Bromomethane	2.57	94	147132	21.195	ug/l 86
6) Chloroethane	2.70	64	127533	21.307	ug/l 99
7) Trichlorofluoromethane	3.01	101	199275	19.485	ug/l 93
8) Diethyl Ether	3.41	74	54291	19.875	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	105974	20.206	ug/l 42
10) 1,1-Dichloroethene	3.74	96	96530	20.169	ug/l 90
11) Methyl Iodide	3.95	142	115024	18.720	ug/l 94
12) Methyl Acetate	4.33	43	77251	20.454	ug/l 98
13) Acrolein	3.61	56	28017	100.905	ug/l 86
14) Acrylonitrile	4.99	53	150712	97.735	ug/l 97
15) Acetone	3.82	58	36901	100.131	ug/l 75
16) Carbon Disulfide	4.05	76	269840	19.711	ug/l 98
17) Allyl chloride	4.32	41	139965	20.051	ug/l 78
18) Methylene Chloride	4.55	84	109730	20.321	ug/l 93
19) trans-1,2-Dichloroethene	5.04	96	103880	19.201	ug/l 86
20) Diisopropyl ether	5.96	45	301178	19.210	ug/l # 87
21) 1,1-Dichloroethane	5.85	63	191283	19.549	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	125208	19.670	ug/l 88
23) tert-Butyl Alcohol	4.79	59	43626	109.525	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	304223	19.797	ug/l # 58
25) Chloroform	7.37	83	214139	19.355	ug/l 94
26) Cyclohexane	7.66	56	156246	18.792	ug/l # 84
29) 1,1-Dichloropropene	7.80	75	147351	18.914	ug/l 96
30) 2-Butanone	6.84	43	183055	96.482	ug/l # 92
31) 2,2-Dichloropropane	6.83	77	191234	19.704	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	199812	19.073	ug/l 97
33) Carbon Tetrachloride	7.78	117	173218	18.238	ug/l 92
34) Benzene	8.04	78	445794	18.917	ug/l # 72
35) Methacrylonitrile	7.18	41	45042	21.511	ug/l 94
36) 1,2-Dichloroethane	8.13	62	152076	19.280	ug/l 98
37) Trichloroethene	8.84	130	123818	18.895	ug/l 99
38) Methylcyclohexane	9.08	83	180141	18.260	ug/l 85
39) 1,2-Dichloropropane	9.12	63	111581	19.331	ug/l 97
40) Dibromomethane	9.21	93	77080	19.303	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	168465	18.904	ug/l	94
42) Vinyl Acetate	5.90	43	1088237	97.343	ug/l	96
43) Ethyl Acetate	6.93	43	79263	19.854	ug/l #	92
44) Isopropyl Acetate	8.17	43	172866	19.578	ug/l	98
45) 1,4-Dioxane	9.20	88	21768	390.194	ug/l #	85
46) Methyl methacrylate	9.20	41	78071	19.834	ug/l	82
48) t-1,3-Dichloropropene	10.38	75	163087	18.090	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	179077	18.429	ug/l #	90
50) 1,1,2-Trichloroethane	10.56	97	105356	18.708	ug/l	97
51) Ethyl methacrylate	10.43	69	129276	18.049	ug/l	86
52) 1,3-Dichloropropane	10.71	76	166847	18.603	ug/l	97
53) Dibromochloromethane	10.90	129	129943	17.567	ug/l	96
54) 1,2-Dibromoethane	11.01	107	104615	17.707	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	279649	94.247	ug/l	95
56) Bromoform	12.13	173	85920	16.202	ug/l #	91
58) 4-Methyl-2-Pentanone	9.99	43	439799	103.230	ug/l #	94
59) 2-Hexanone	10.75	43	286819	99.463	ug/l	96
61) Tetrachloroethene	10.63	164	113926	18.637	ug/l	97
62) Toluene	10.16	91	506661	19.276	ug/l	98
64) Chlorobenzene	11.43	112	318794	18.896	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.51	131	129359	18.839	ug/l	99
66) Ethyl Benzene	11.51	91	547528	18.517	ug/l	98
67) m/p-Xylenes	11.62	106	432048	36.533	ug/l	99
68) o-Xylene	11.95	106	212340	18.204	ug/l	95
69) Styrene	11.96	104	322966	17.353	ug/l	99
70) Isopropylbenzene	12.25	105	570396	18.199	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	126299	19.295	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	149707	28.671	ug/l	65
73) Bromobenzene	12.53	156	130823	17.354	ug/l	90
74) n-propylbenzene	12.59	91	609116	17.654	ug/l	97
75) 2-Chlorotoluene	12.68	91	353968	17.558	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	467438	17.576	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	34480	17.711	ug/l	94
78) 4-Chlorotoluene	12.77	91	347555	17.202	ug/l	96
79) tert-butylbenzene	12.99	119	423421	17.701	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	462871	17.497	ug/l	98
81) sec-Butylbenzene	13.17	105	556717	17.398	ug/l	98
82) p-Isopropyltoluene	13.29	119	481123	17.067	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	221654	16.442	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	205700	15.968	ug/l	99
85) n-Butylbenzene	13.62	91	365246	16.392	ug/l	97
86) Hexachloroethane	13.87	117	99950	17.920	ug/l	85
87) 1,2-Dichlorobenzene	13.65	146	223334	16.906	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	19633	18.216	ug/l #	83
89) 1,2,4-Trichlorobenzene	14.91	180	82124	17.047	ug/l	96
90) Hexachlorobutadiene	15.01	225	69321	17.245	ug/l	97
91) Naphthalene	15.13	128	173098	13.877	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	88678	15.561	ug/l	94

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QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration

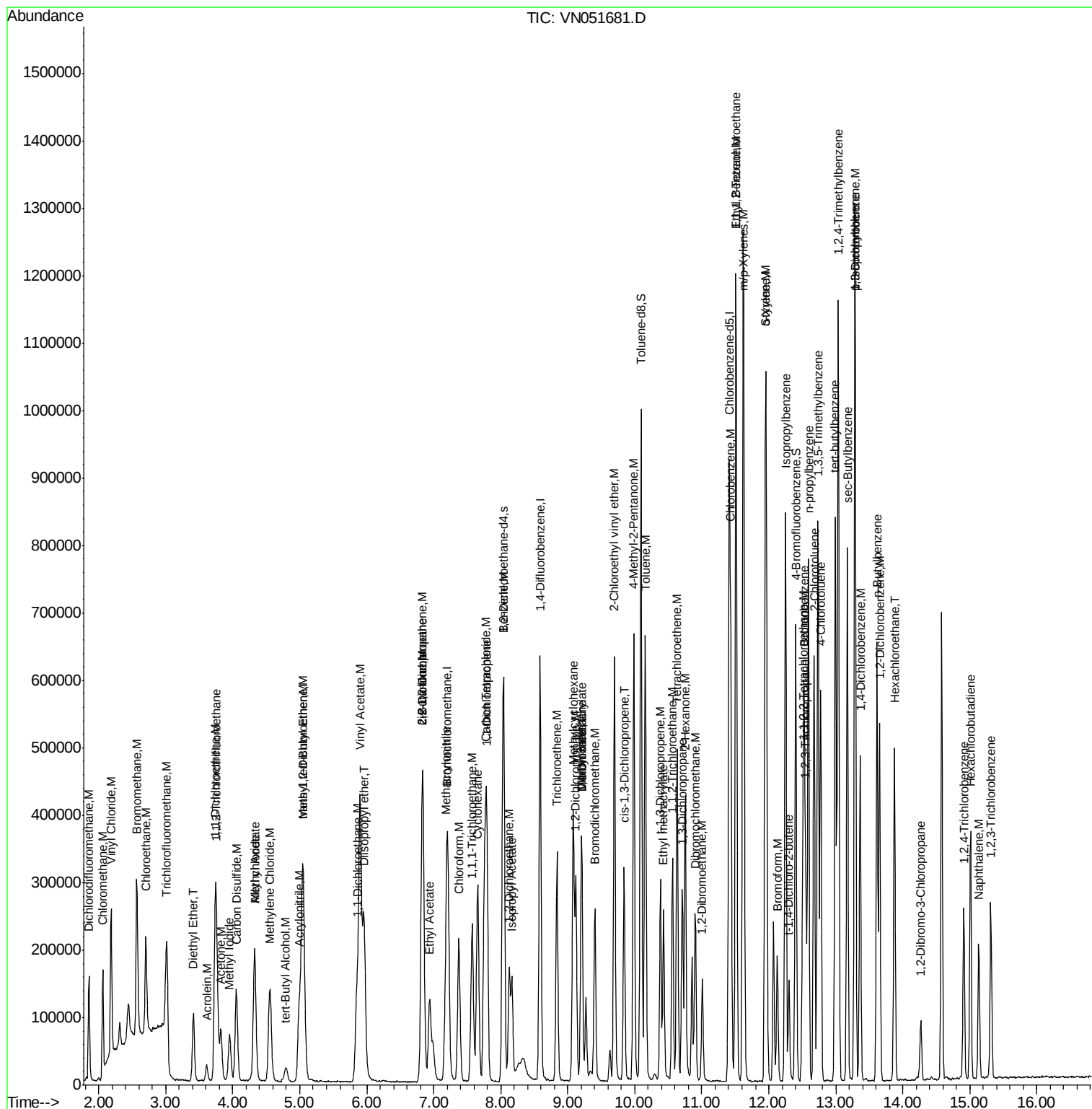
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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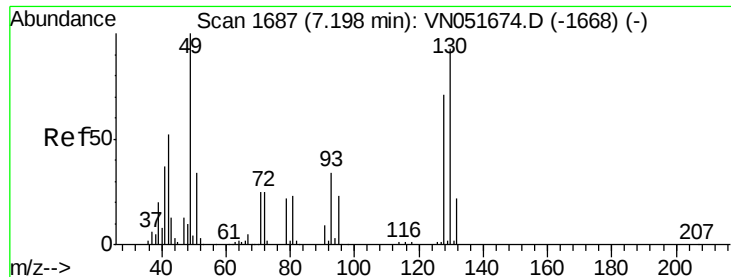
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100518\
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Instrument :
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ClientSampleId :
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Quant Time: Oct 05 14:53:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

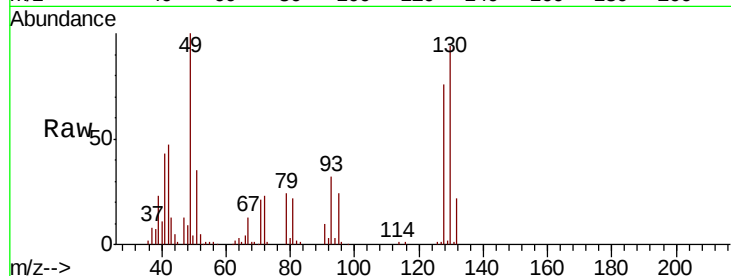
Tot Ion:128 Resp: 102529

Ion Ratio Lower Upper

128 100

49 139.2 0.0 403.3

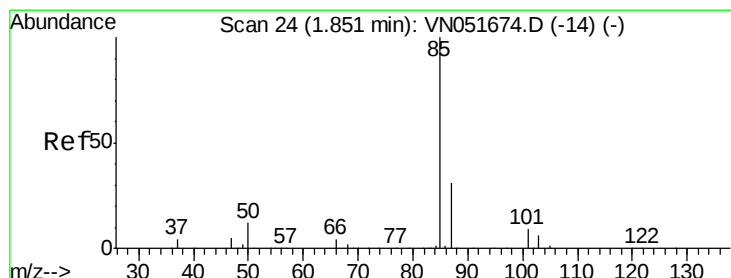
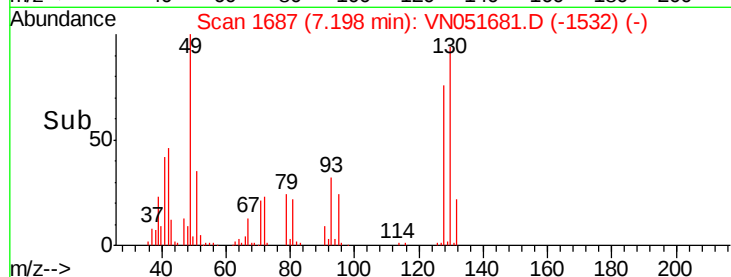
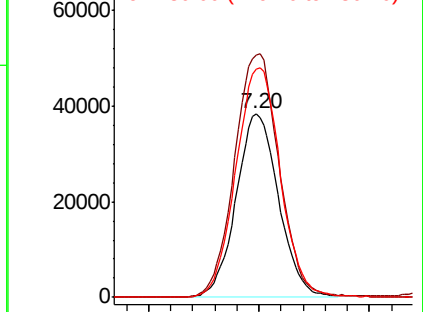
130 130.8 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.006 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051681.D

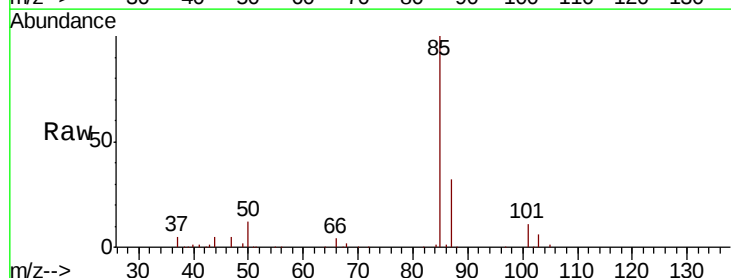
Acq: 5 Oct 2018 12:49

Tgt Ion: 85 Resp: 119648

Ion Ratio Lower Upper

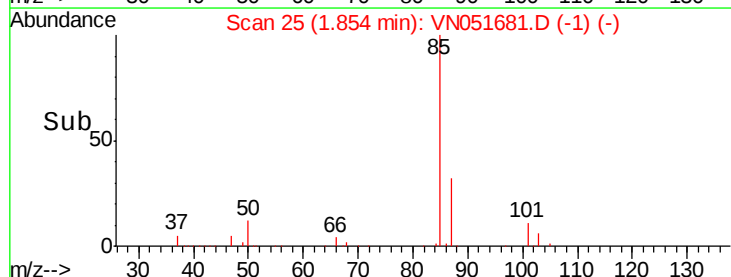
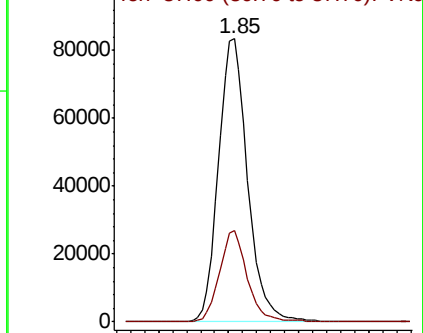
85 100

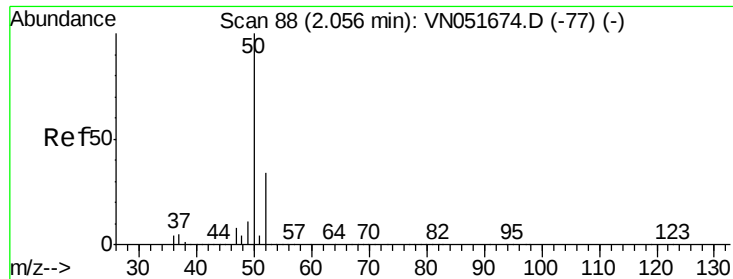
87 32.2 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN

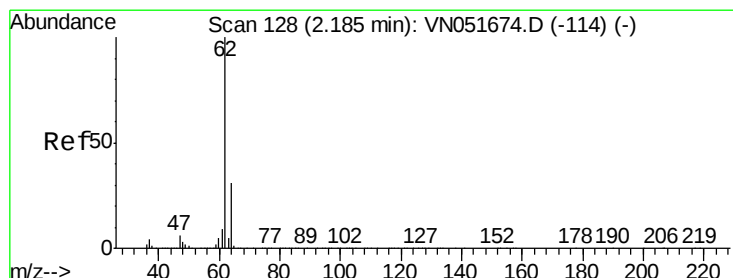
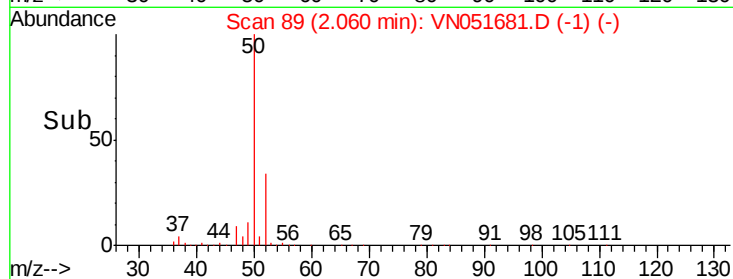
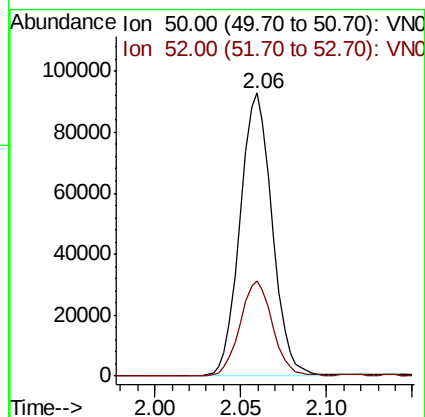
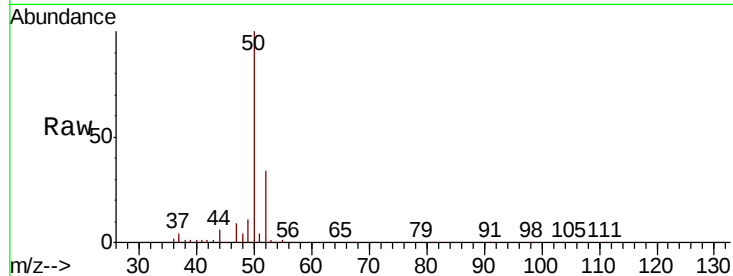




#3
Chloromethane
Concen: 20.594 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

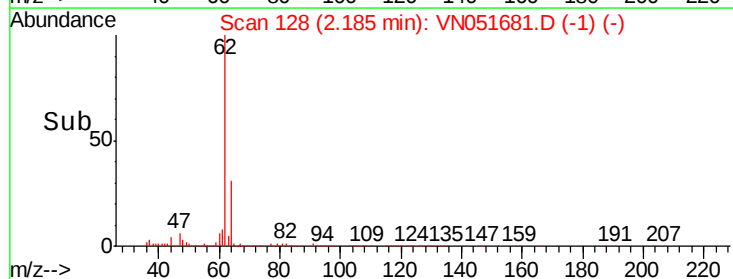
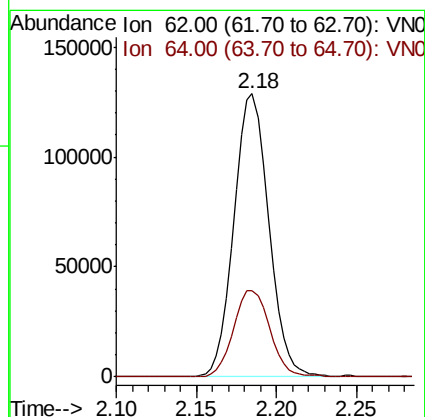
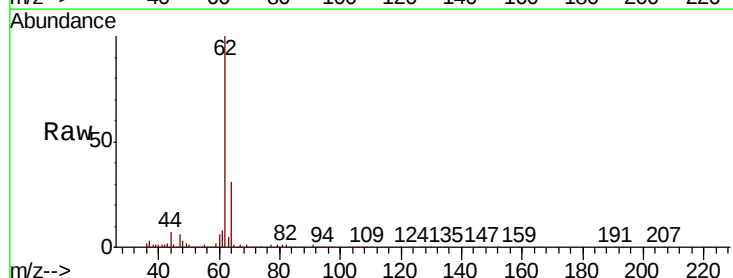
Instrument :
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ClientSampleId :
VN1005WBS01

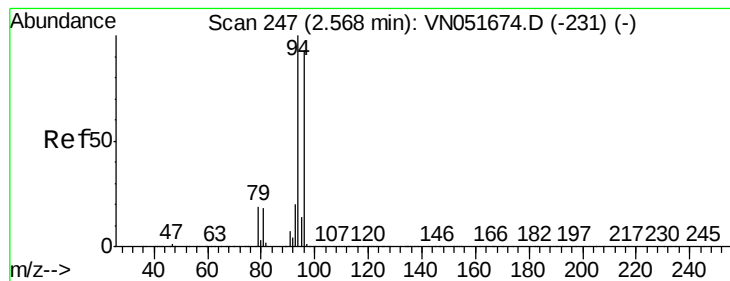
Tot Ion: 50 Resp: 120909
Ion Ratio Lower Upper
50 100
52 33.6 27.2 40.8



#4
Vinyl Chloride
Concen: 21.356 ug/l
RT: 2.18 min Scan# 128
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion: 62 Resp: 190709
Ion Ratio Lower Upper
62 100
64 30.5 25.4 38.2





#5

Bromomethane

Concen: 21.195 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

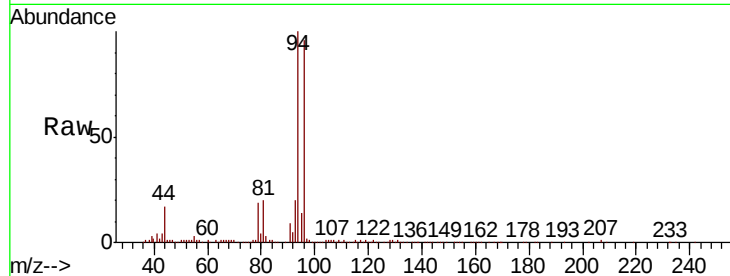
VN1005WBS01

Tot Ion: 94 Resp: 147132

Ion Ratio Lower Upper

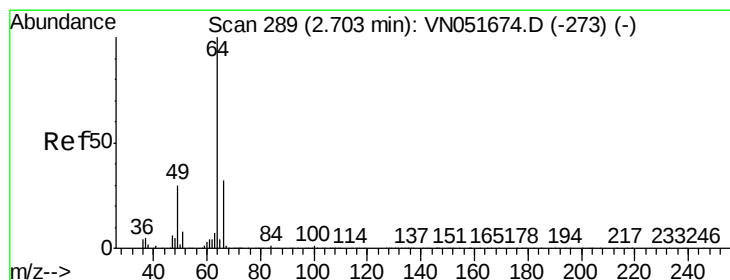
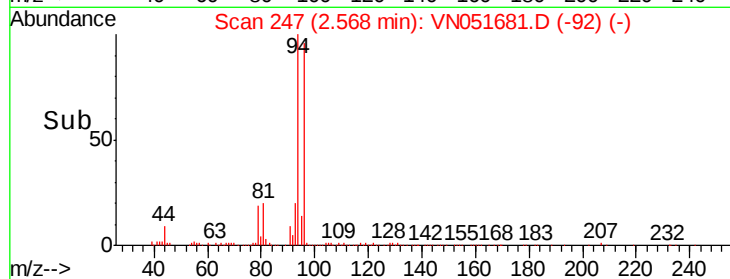
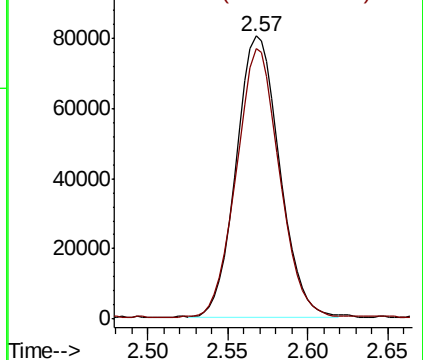
94 100

96 95.5 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.307 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051681.D

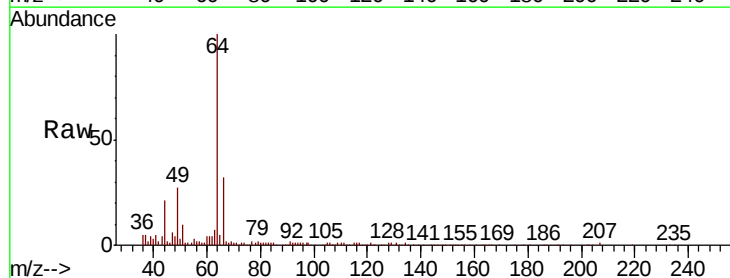
Acq: 5 Oct 2018 12:49

Tgt Ion: 64 Resp: 127533

Ion Ratio Lower Upper

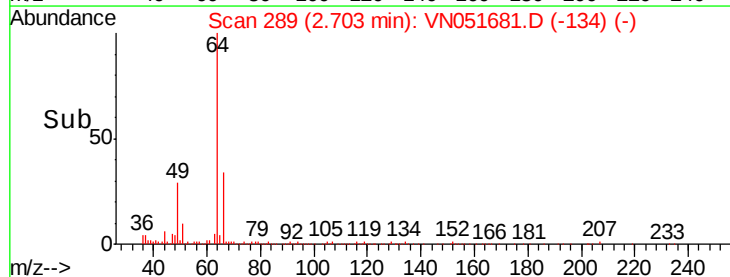
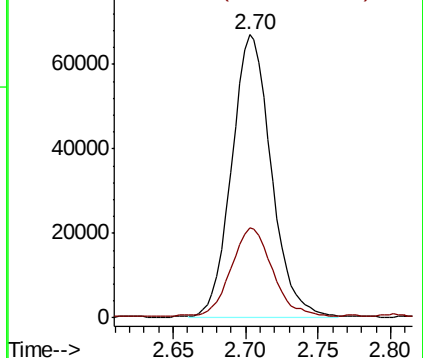
64 100

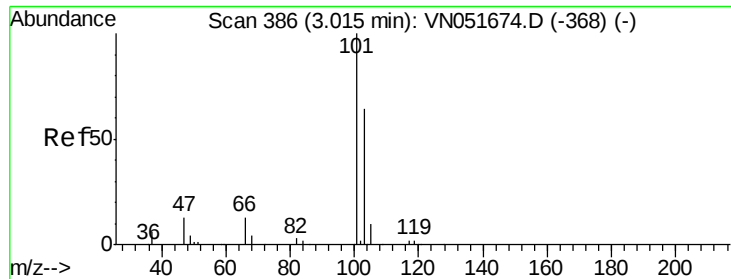
66 31.4 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



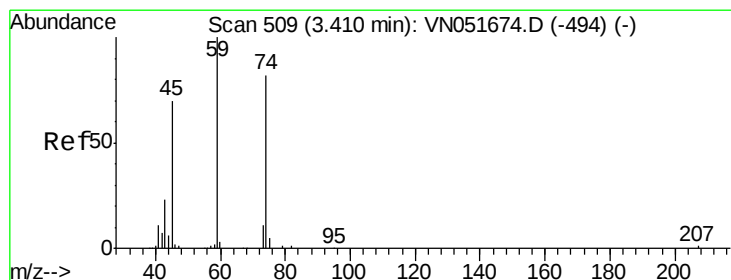
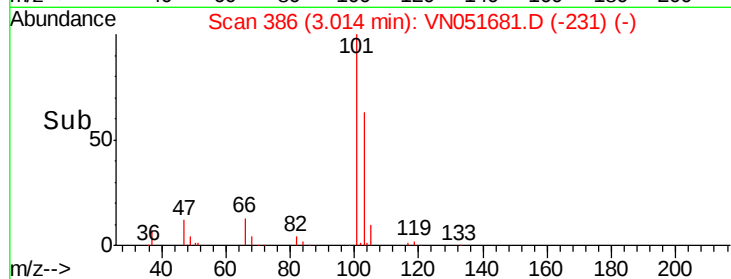
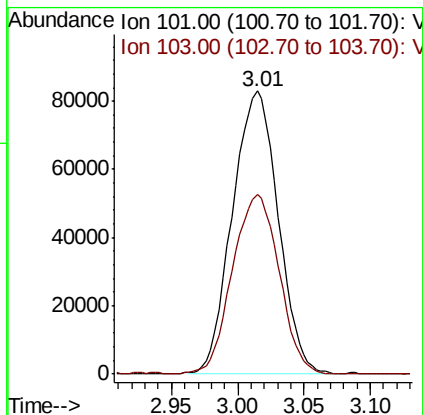
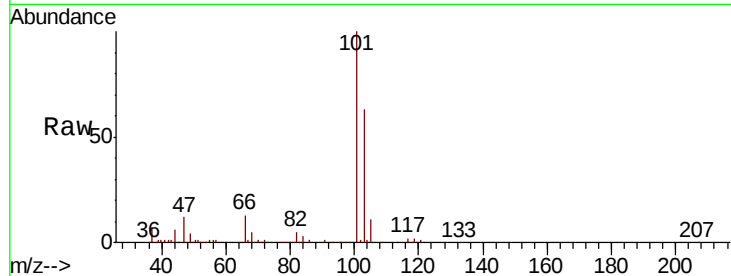


#7

Trichlorofluoromethane
 Concen: 19.485 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
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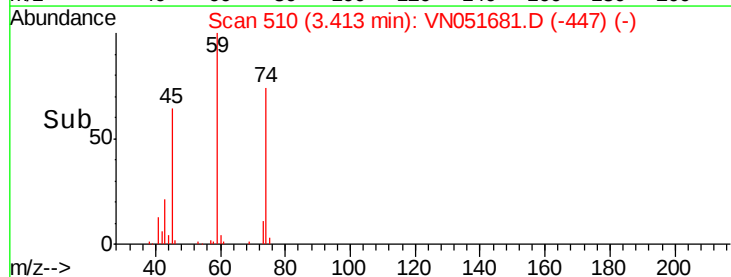
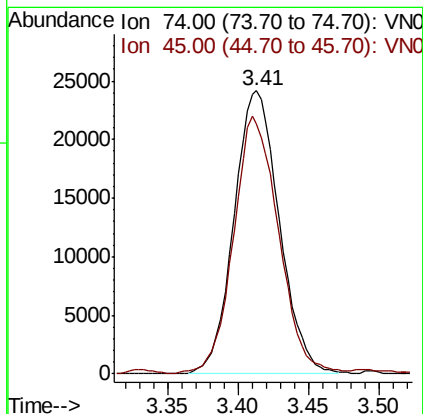
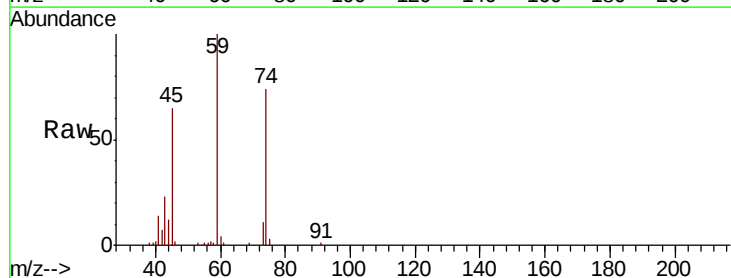
Tot Ion:101 Resp: 199275
 Ion Ratio Lower Upper
 101 100
 103 63.0 54.8 82.2

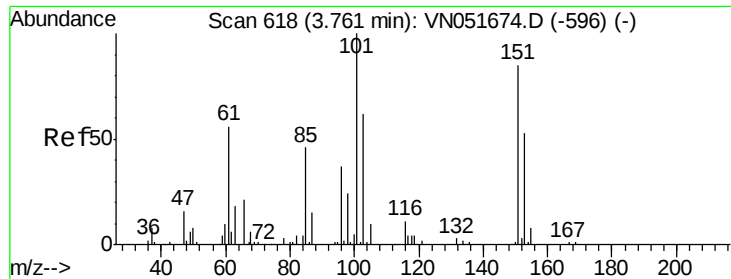


#8

Diethyl Ether
 Concen: 19.875 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion: 74 Resp: 54291
 Ion Ratio Lower Upper
 74 100
 45 90.7 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.206 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

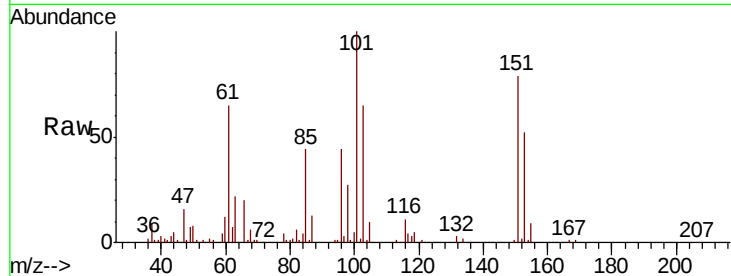
Tot Ion:101 Resp: 105974

Ion Ratio Lower Upper

101 100

85 44.7 0.0 46.0

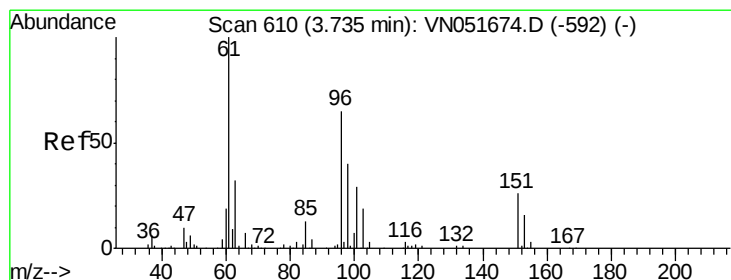
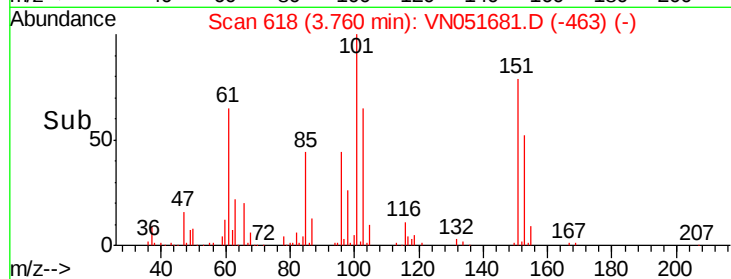
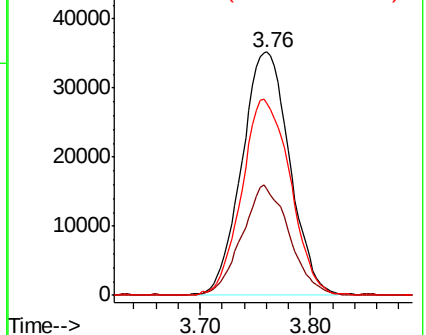
151 81.7 0.0 82.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.169 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

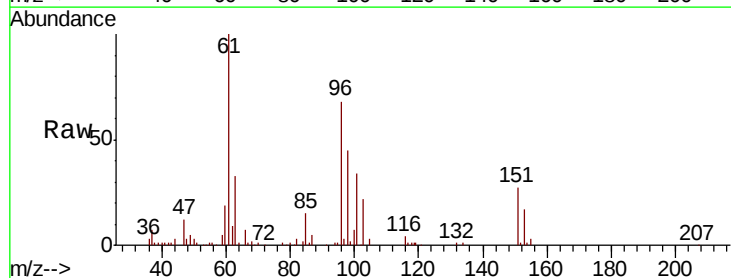
Tgt Ion: 96 Resp: 96530

Ion Ratio Lower Upper

96 100

61 146.9 133.0 199.6

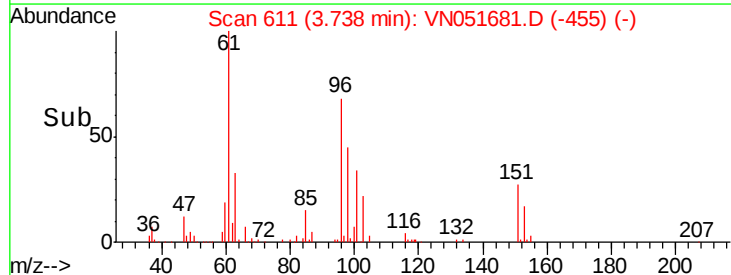
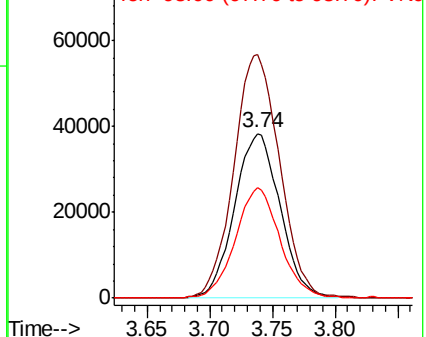
98 66.0 52.6 78.8

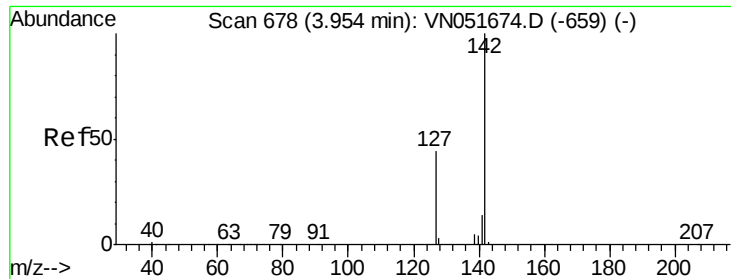


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

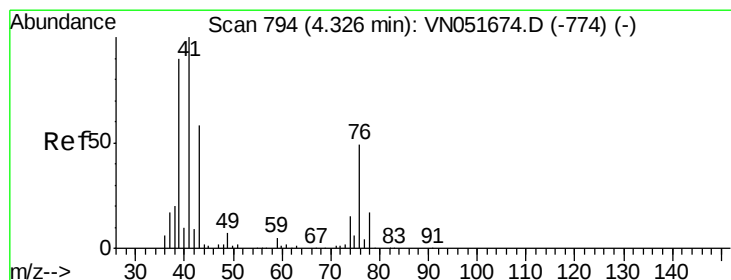
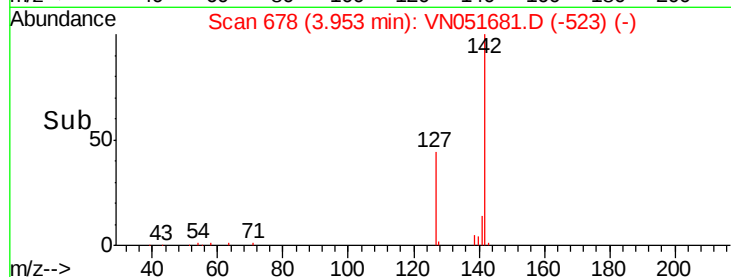
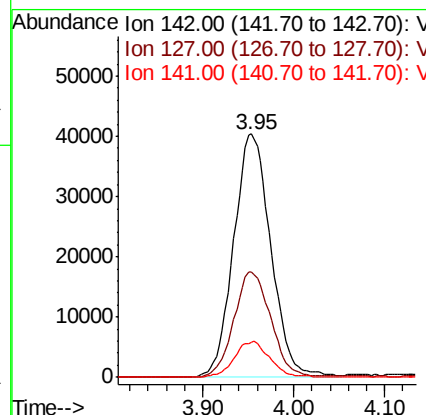
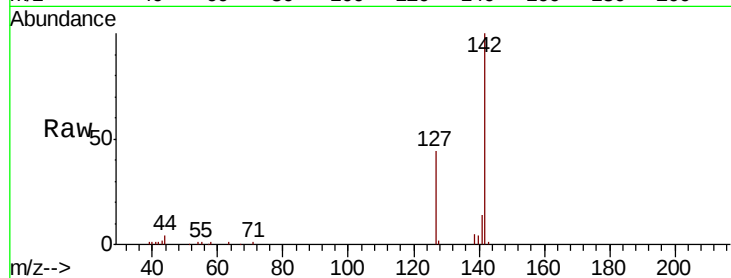




#11
Methyl Iodide
Concen: 18.720 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

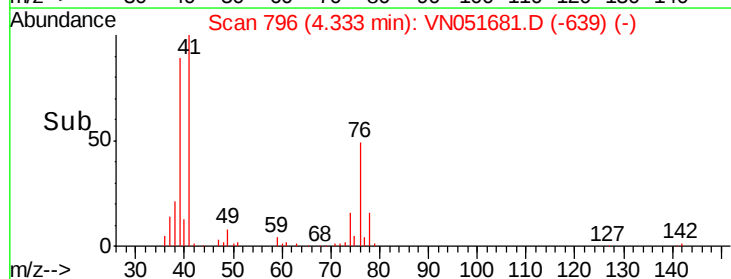
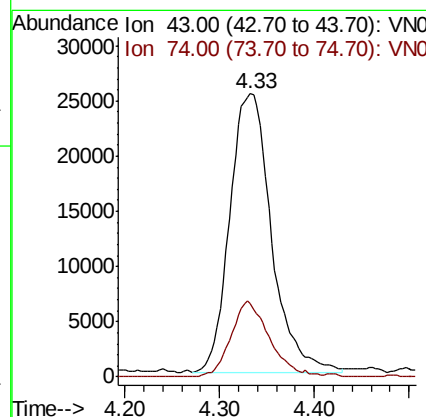
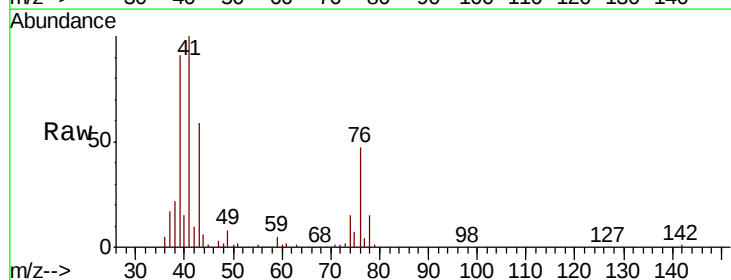
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

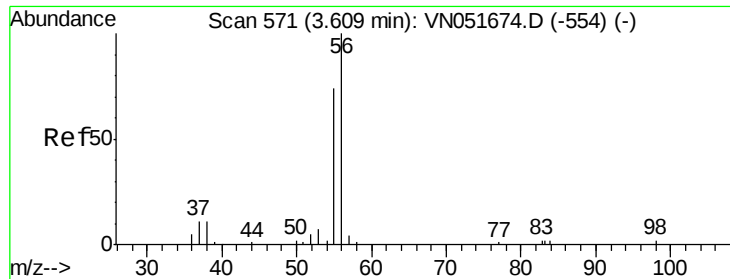
Tot Ion:142 Resp: 115024
Ion Ratio Lower Upper
142 100
127 43.4 19.7 59.0
141 14.1 6.3 18.9



#12
Methyl Acetate
Concen: 20.454 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion: 43 Resp: 77251
Ion Ratio Lower Upper
43 100
74 26.3 21.8 32.6





#13

Acrolein

Concen: 100.905 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

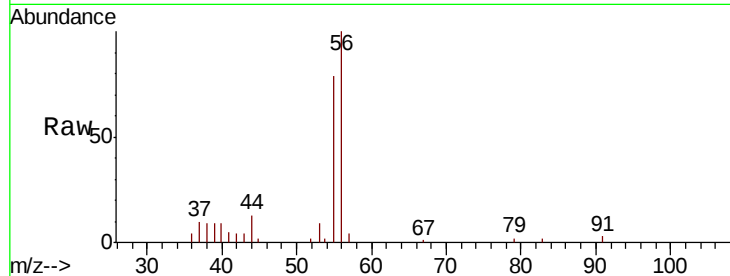
VN1005WBS01

Tot Ion: 56 Resp: 28017

Ion Ratio Lower Upper

56 100

55 67.9 64.0 96.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

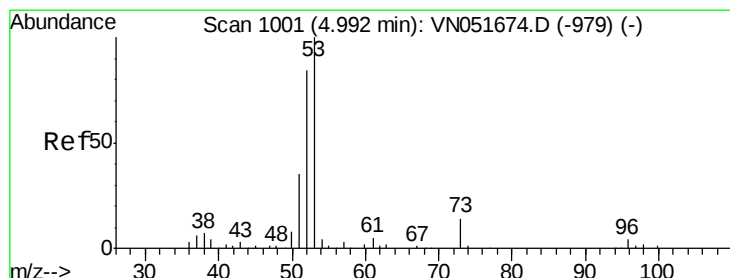
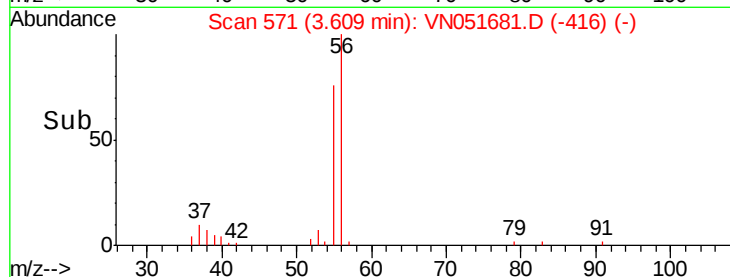
4000

2000

0

Time--> 3.50 3.55 3.60 3.65 3.70

3.61



#14

Acrylonitrile

Concen: 97.735 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

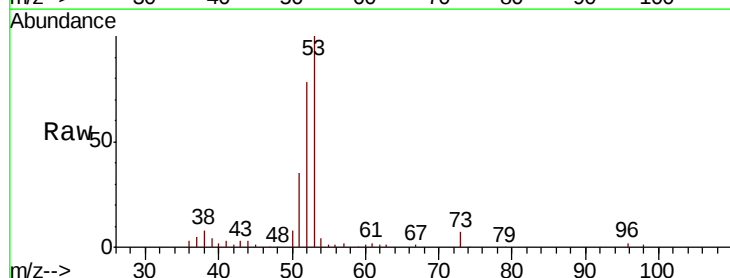
Tgt Ion: 53 Resp: 150712

Ion Ratio Lower Upper

53 100

52 37.1 18.3 54.8

51 36.9 19.7 59.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

60000

50000

40000

30000

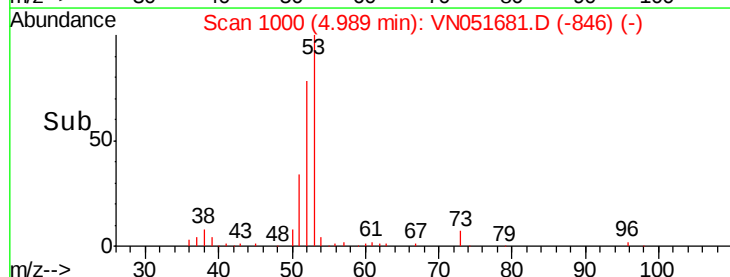
20000

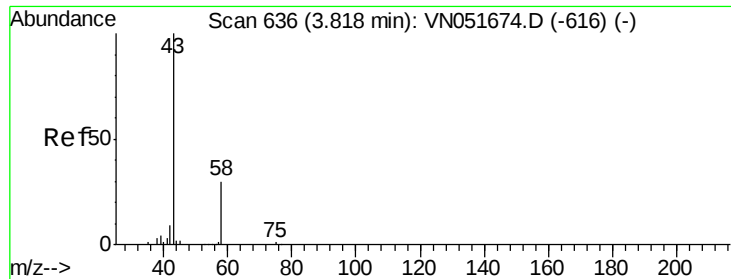
10000

0

Time--> 4.90 5.00 5.10

4.99





#15

Acetone

Concen: 100.131 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

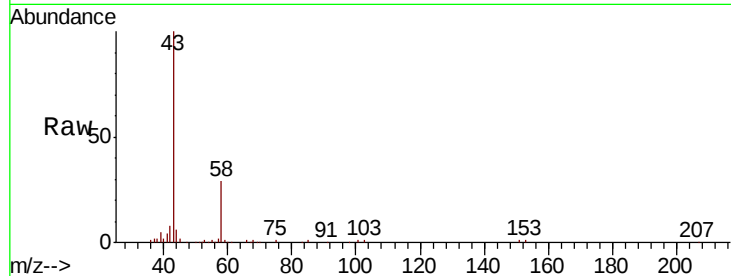
VN1005WBS01

Tot Ion: 58 Resp: 36901

Ion Ratio Lower Upper

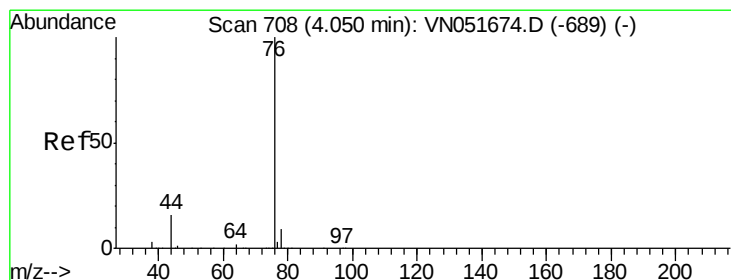
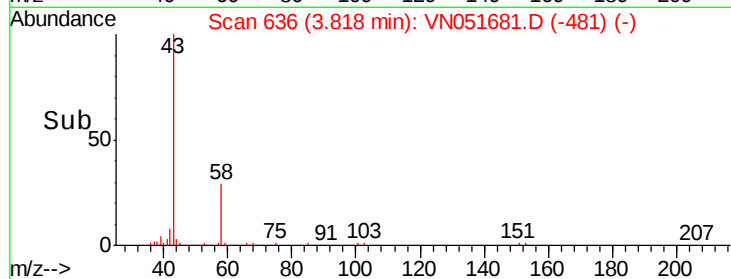
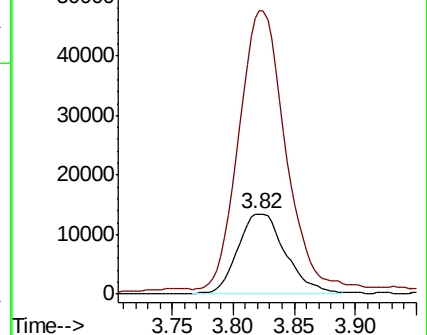
58 100

43 338.8 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN051674.D (-616) (-)

Ion 43.00 (42.70 to 43.70): VN051674.D (-616) (-)



#16

Carbon Disulfide

Concen: 19.711 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051681.D

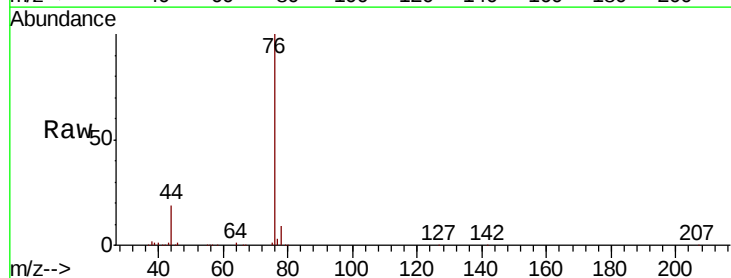
Acq: 5 Oct 2018 12:49

Tgt Ion: 76 Resp: 269840

Ion Ratio Lower Upper

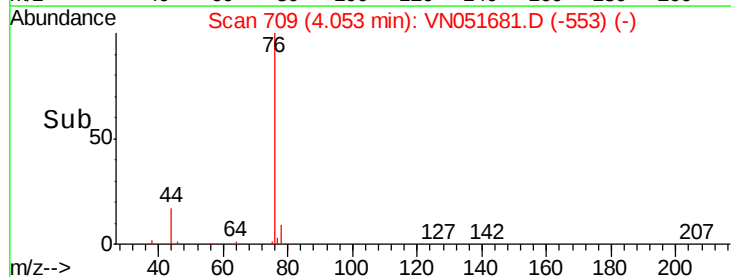
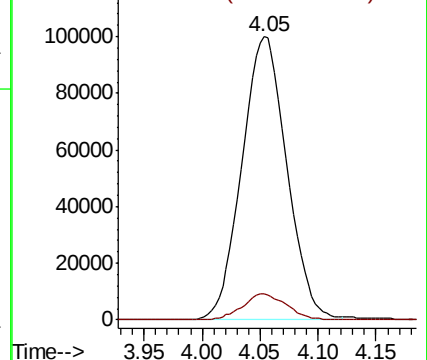
76 100

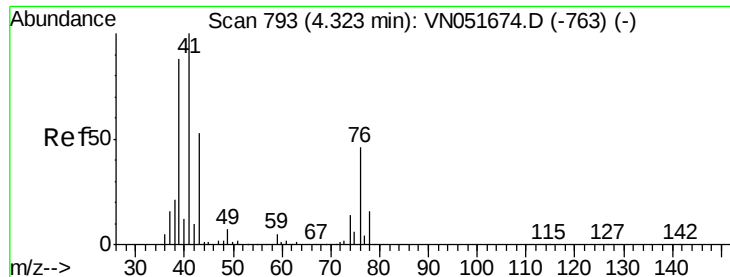
78 9.2 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN051674.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN051674.D (-689) (-)





#17

Allvl chloride

Concen: 20.051 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

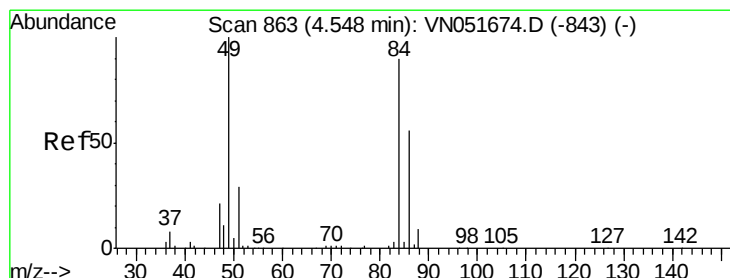
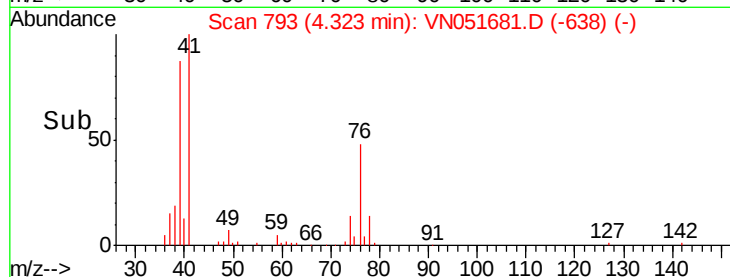
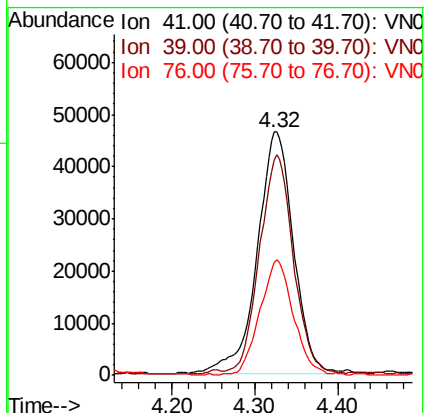
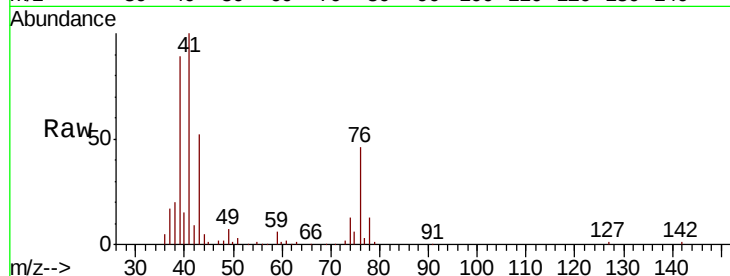
Tot Ion: 41 Resp: 139965

Ion Ratio Lower Upper

41 100

39 88.7 32.6 97.8

76 46.3 20.2 60.5



#18

Methylene Chloride

Concen: 20.321 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Tgt Ion: 84 Resp: 109730

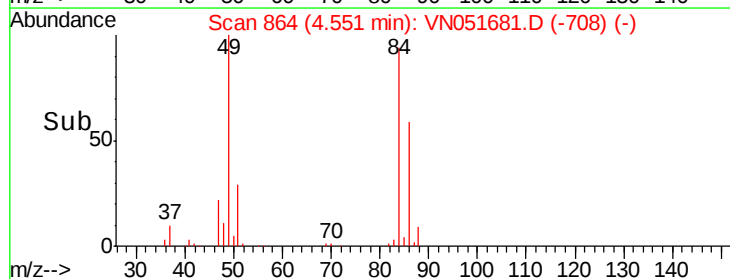
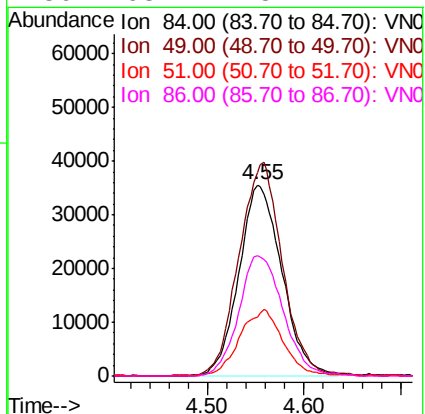
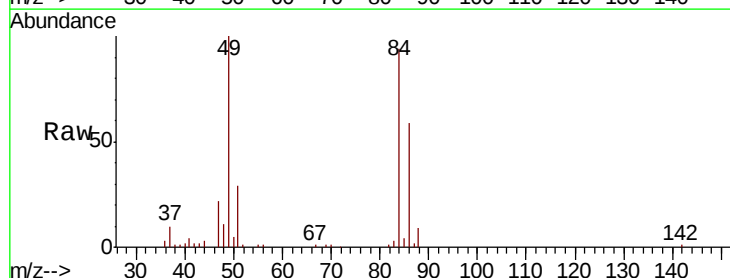
Ion Ratio Lower Upper

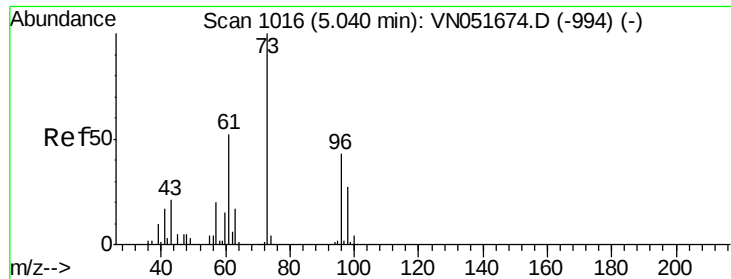
84 100

49 106.7 91.6 137.4

51 30.3 29.8 44.6

86 63.2 48.2 72.4

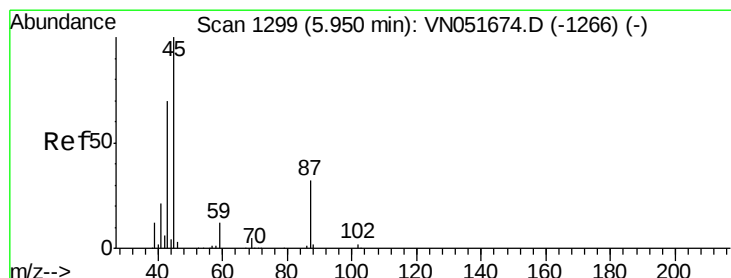
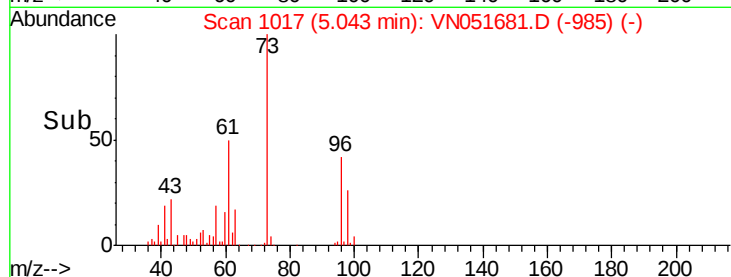
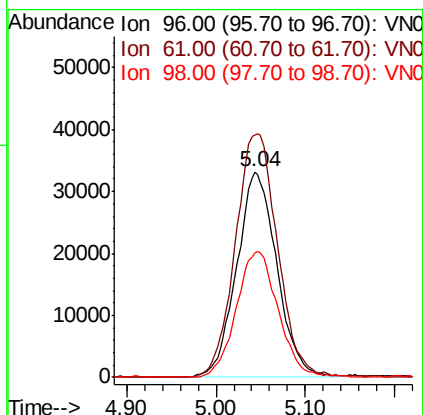
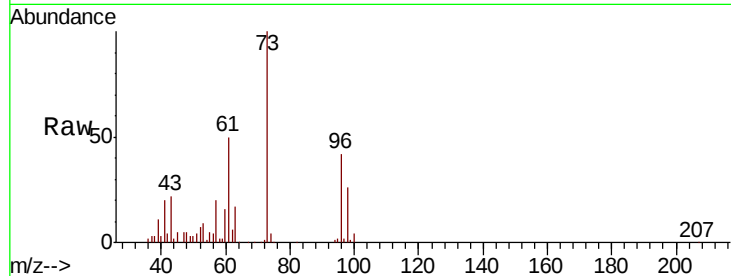




#19
trans-1,2-Dichloroethene
Concen: 19.201 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

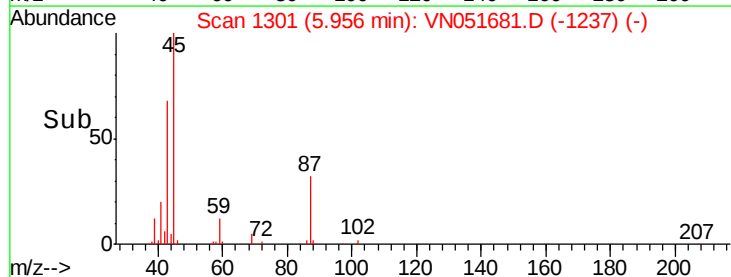
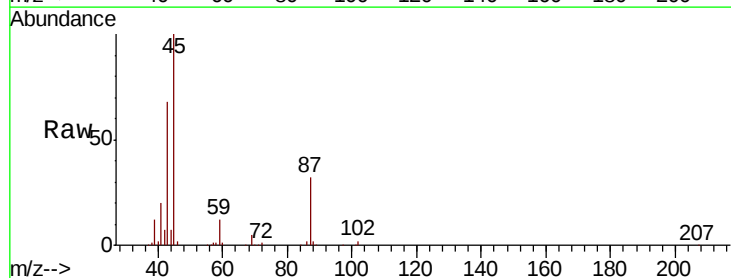
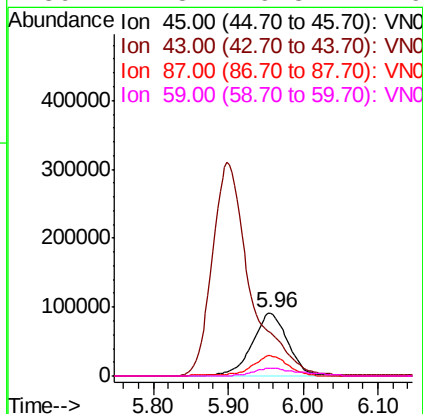
Instrument :
MSVOA_N
ClientSampled :
VN1005WBS01

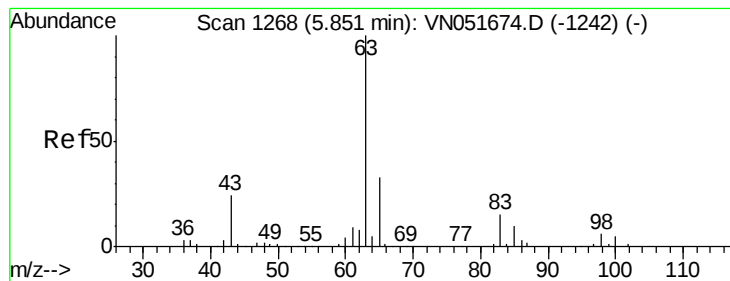
Tot Ion: 96 Resp: 103880
Ion Ratio Lower Upper
96 100
61 117.9 112.3 168.5
98 60.6 47.1 70.7



#20
Diisopropyl ether
Concen: 19.210 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion: 45 Resp: 301178
Ion Ratio Lower Upper
45 100
43 65.3 62.1 93.1
87 31.9 19.9 29.9#
59 11.8 9.8 14.6





#21

1,1-Dichloroethane

Concen: 19.549 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

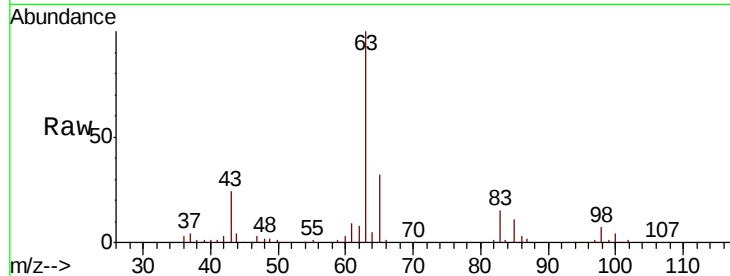
Tot Ion: 63 Resp: 191283

Ion Ratio Lower Upper

63 100

98 7.3 4.1 12.3

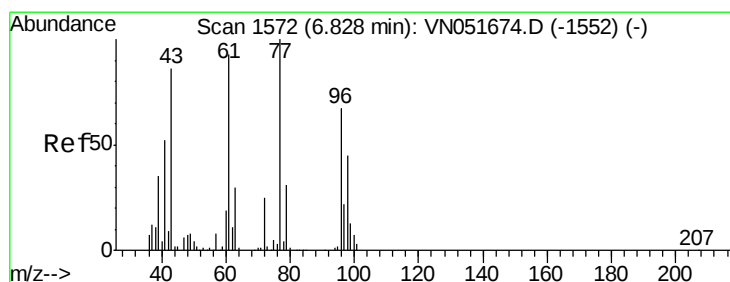
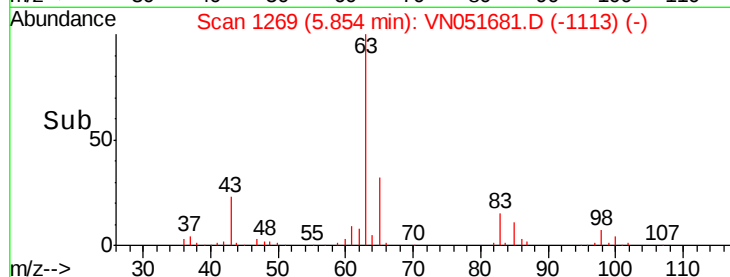
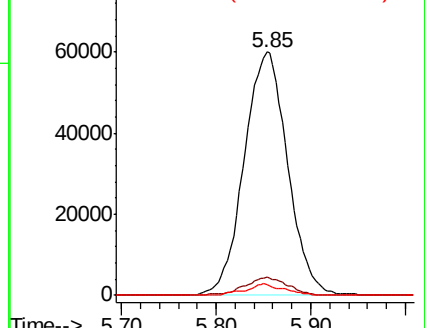
100 4.5 1.6 4.7



Abundance Ion 63.00 (62.70 to 63.70): VN051674.D (-1242) (-)

Ion 98.00 (97.70 to 98.70): VN051674.D (-1242) (-)

Ion 100.00 (99.70 to 100.70): VN051674.D (-1242) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.670 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

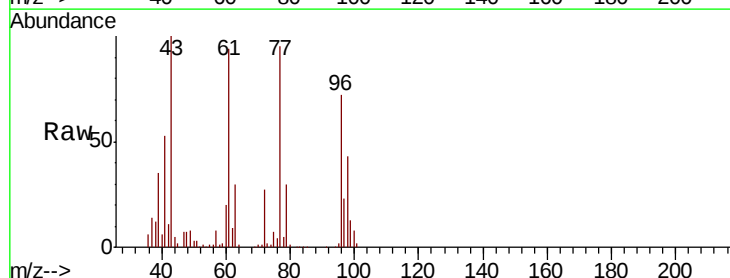
Tgt Ion: 96 Resp: 125208

Ion Ratio Lower Upper

96 100

61 134.3 124.5 186.7

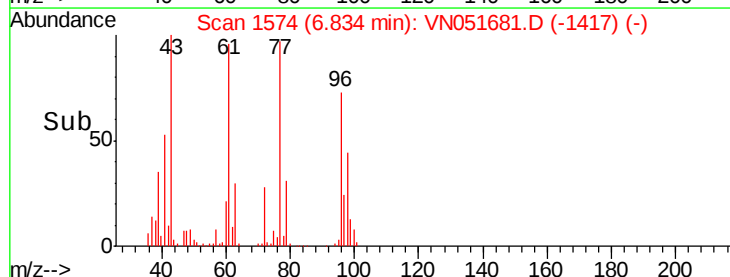
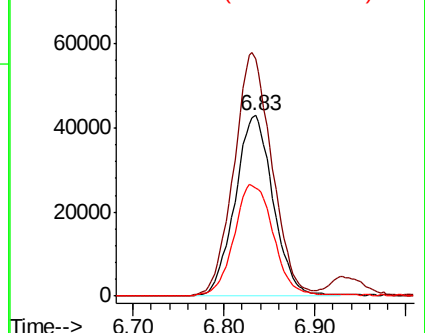
98 64.1 51.9 77.9

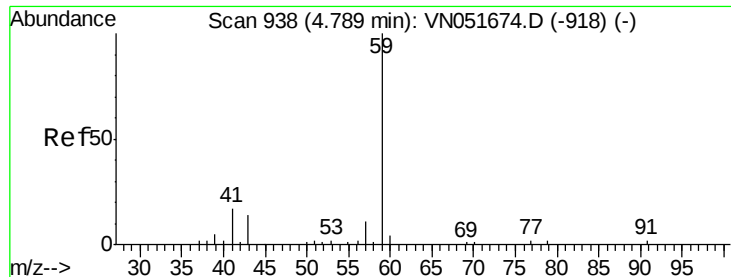


Abundance Ion 96.00 (95.70 to 96.70): VN051674.D (-1552) (-)

Ion 61.00 (60.70 to 61.70): VN051674.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VN051674.D (-1552) (-)



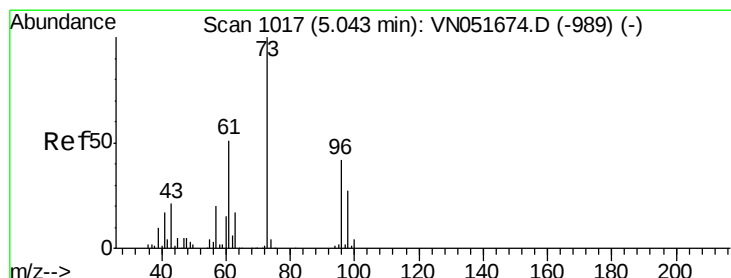
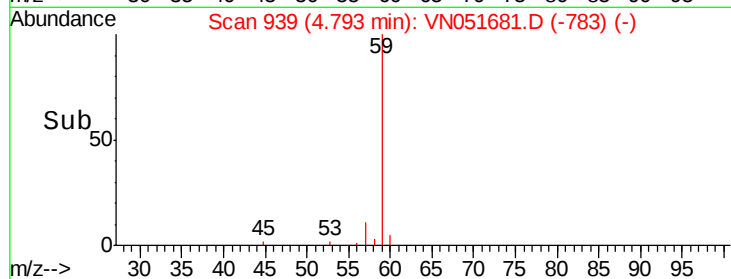
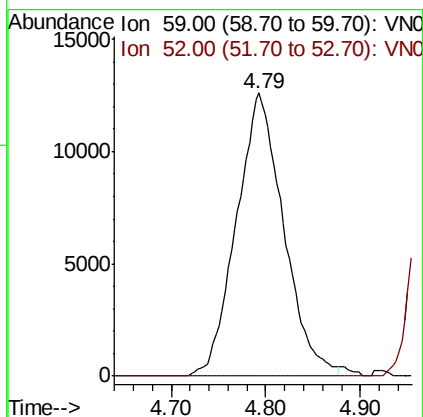
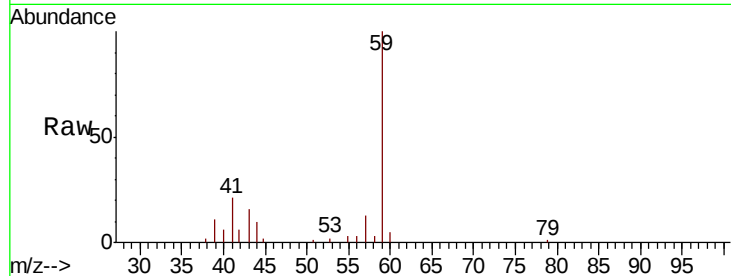


#23

tert-Butyl Alcohol
 Concen: 109.525 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

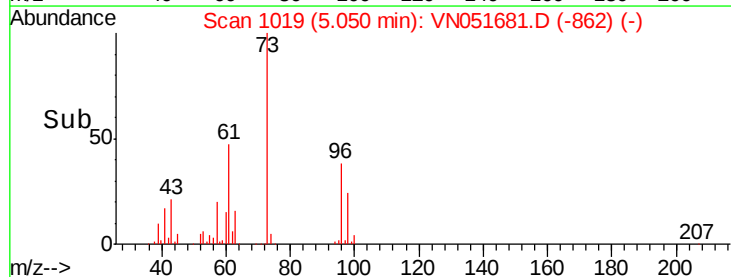
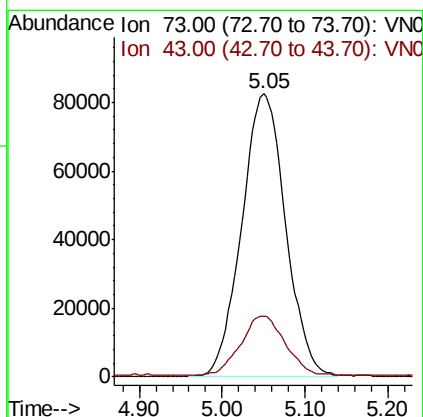
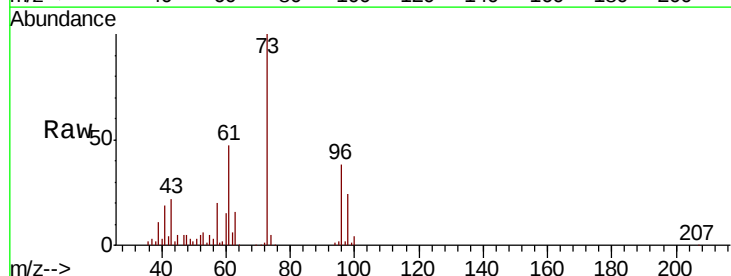
Tot Ion: 59 Resp: 43626
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

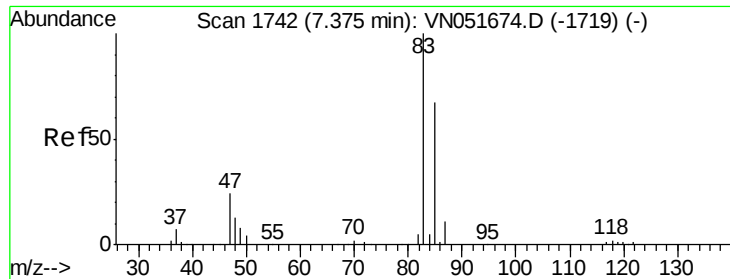


#24

Methyl tert-Butyl Ether
 Concen: 19.797 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion: 73 Resp: 304223
 Ion Ratio Lower Upper
 73 100
 43 21.1 5.4 8.0#

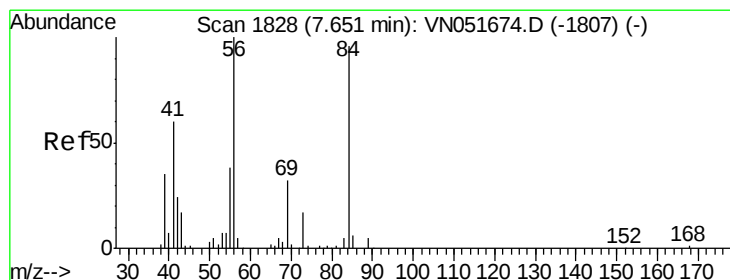
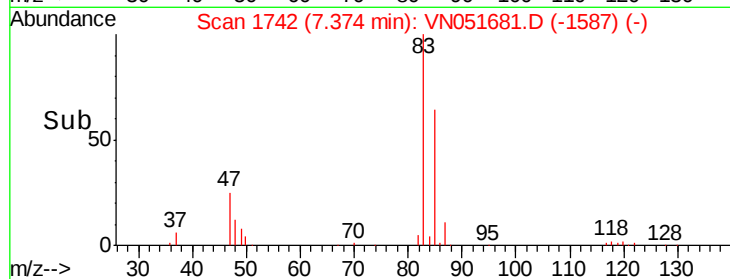
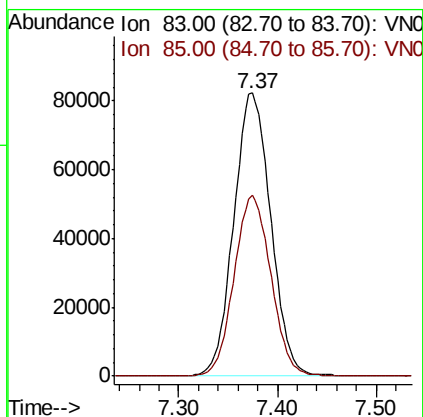
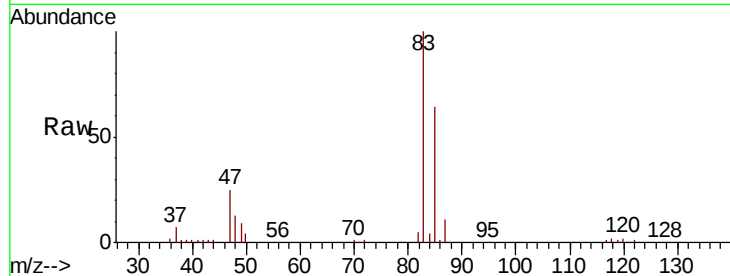




#25
Chloroform
Concen: 19.355 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

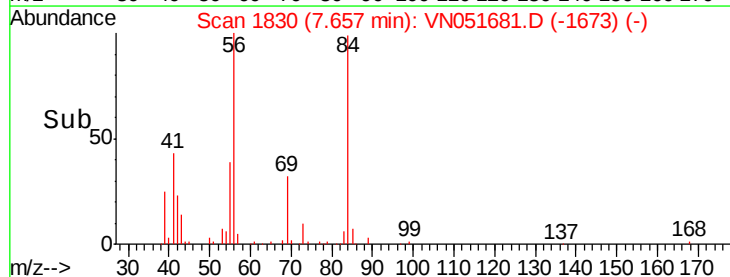
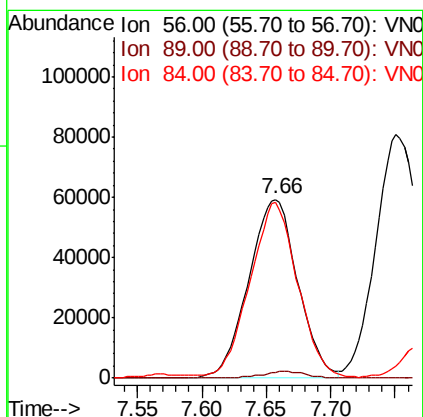
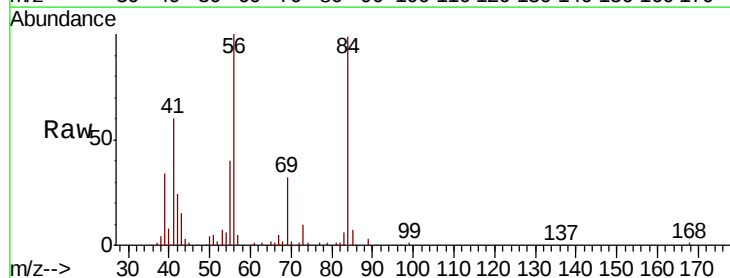
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

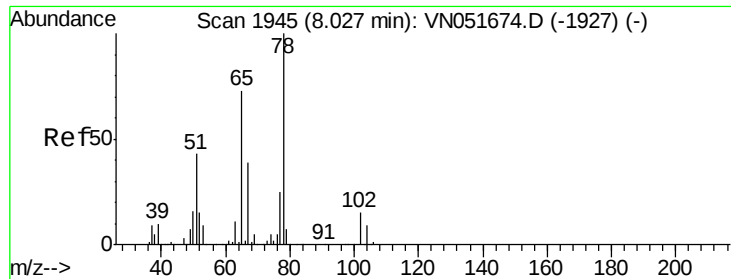
Tot Ion: 83 Resp: 214139
Ion Ratio Lower Upper
83 100
85 63.7 54.6 82.0



#26
Cyclohexane
Concen: 18.792 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion: 56 Resp: 156246
Ion Ratio Lower Upper
56 100
89 3.3 1.5 2.3#
84 94.8 64.2 96.4





#27

1,2-Dichloroethane-d4

Concen: 18.792 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

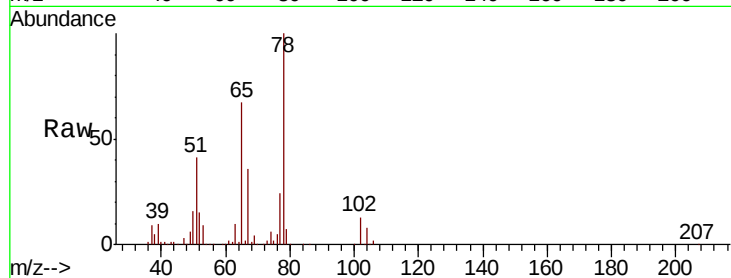
VN1005WBS01

Tot Ion: 65 Resp: 208209

Ion Ratio Lower Upper

65 100

67 52.4 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN051674.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN051674.D (-1927) (-)

8.03

100000

80000

60000

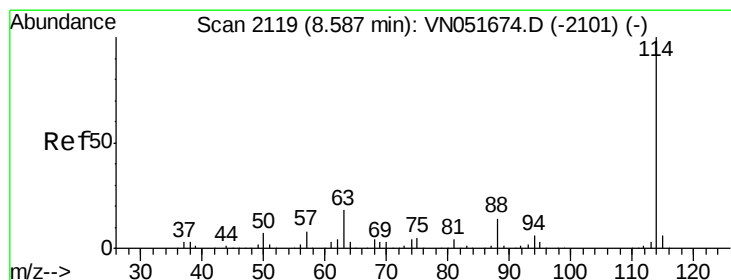
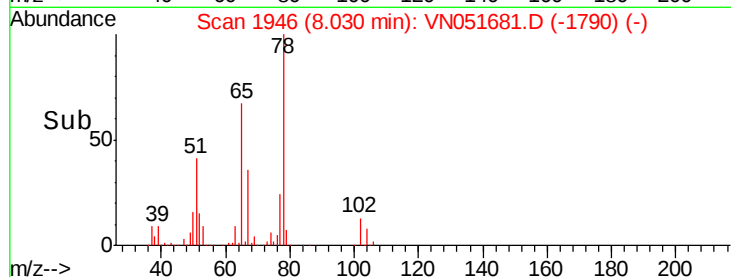
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

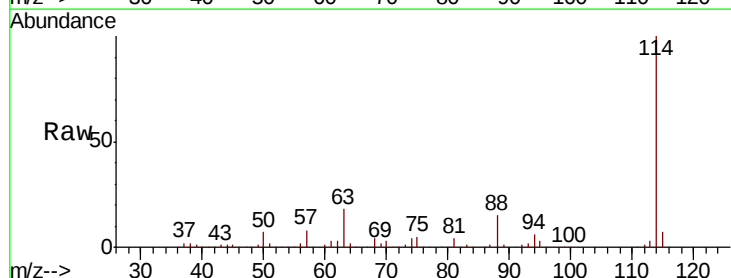
Tgt Ion: 114 Resp: 586151

Ion Ratio Lower Upper

114 100

63 18.2 16.2 24.2

88 14.2 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051674.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051674.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN051674.D (-2101) (-)

8.59

300000

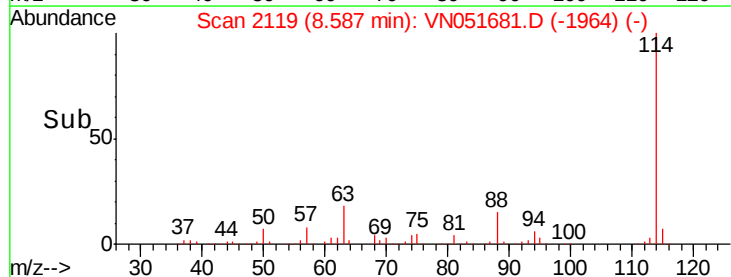
200000

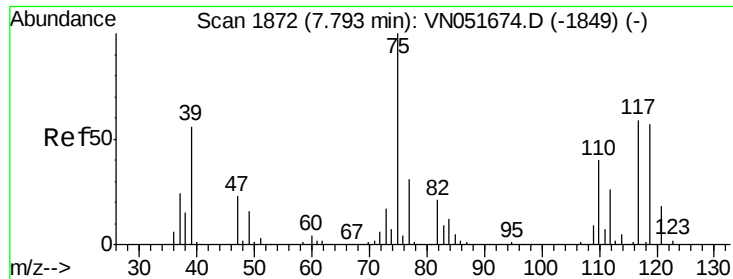
100000

0

8.50 8.55 8.60 8.65 8.70

Time-->

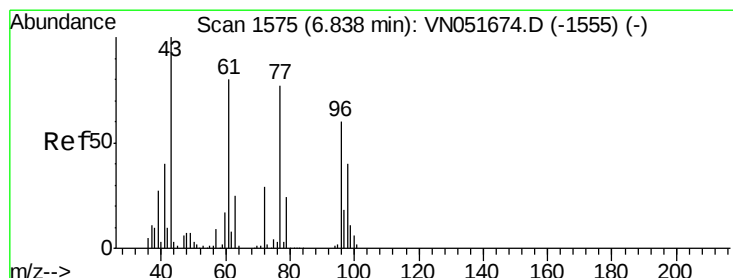
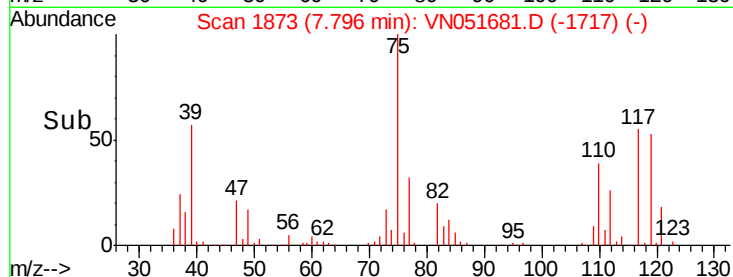
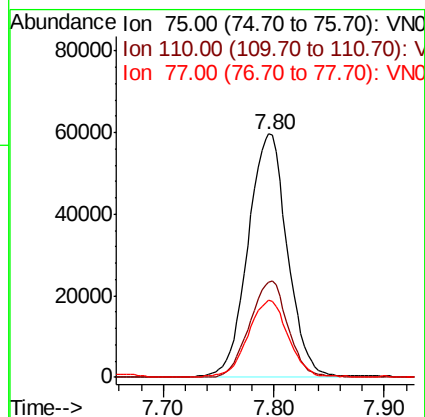
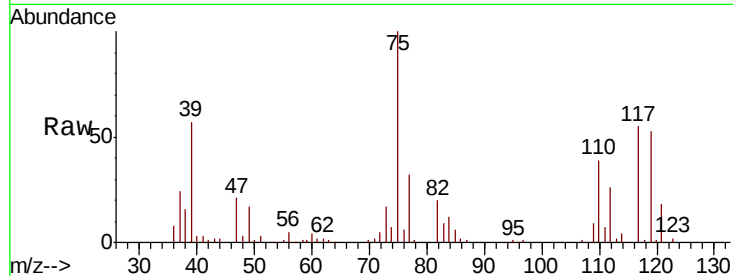




#29
 1,1-Dichloropropene
 Concen: 18.914 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

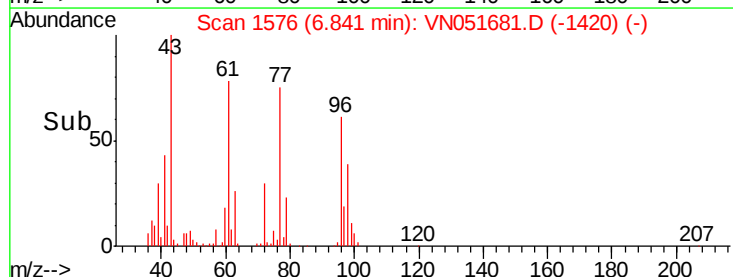
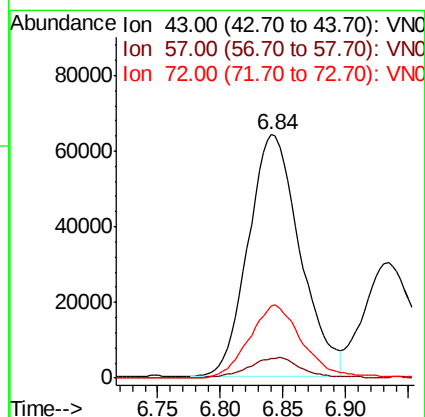
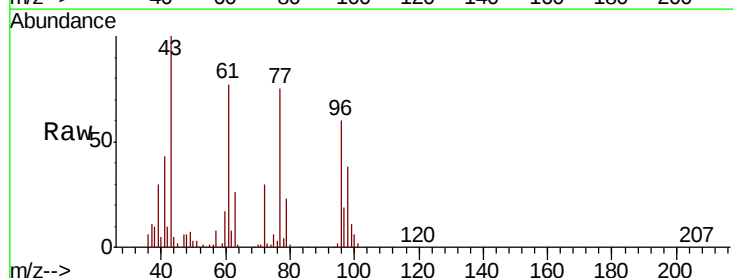
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

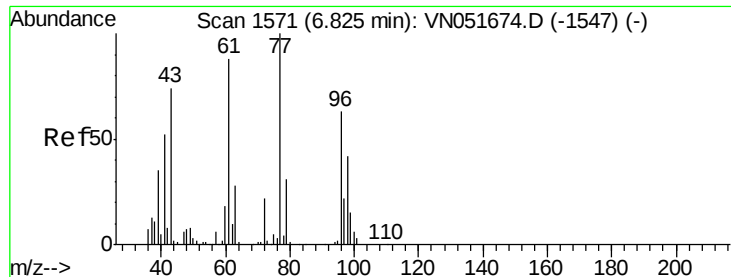
Tot Ion: 75 Resp: 147351
 Ion Ratio Lower Upper
 75 100
 110 38.7 0.0 70.8
 77 31.8 0.0 61.6



#30
 2-Butanone
 Concen: 96.482 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion: 43 Resp: 183055
 Ion Ratio Lower Upper
 43 100
 57 8.6 4.5 6.7#
 72 30.7 21.5 32.3





#31

2,2-Dichloropropane

Concen: 19.704 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

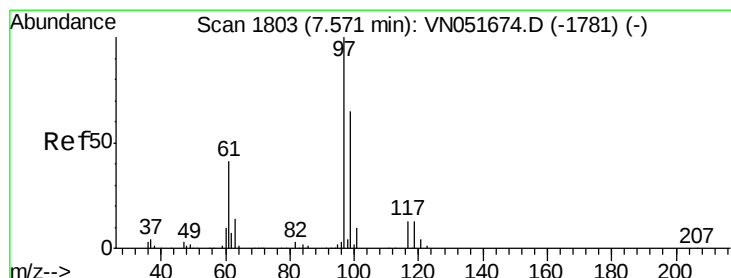
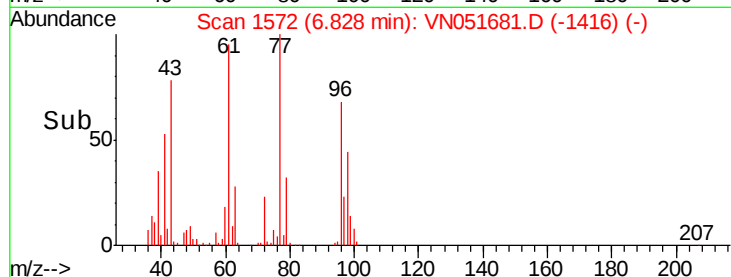
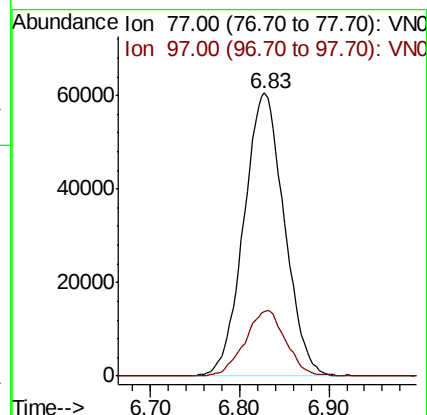
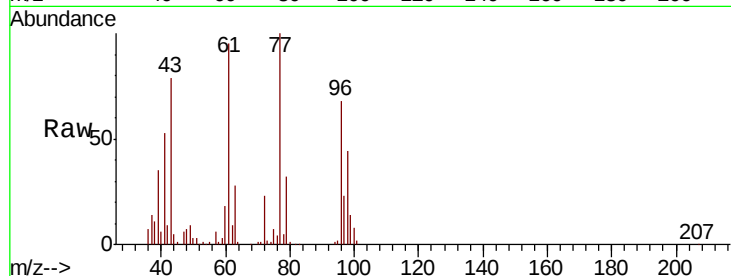
VN1005WBS01

Tot Ion: 77 Resp: 191234

Ion Ratio Lower Upper

77 100

97 23.5 12.0 18.0#



#32

1,1,1-Trichloroethane

Concen: 19.073 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

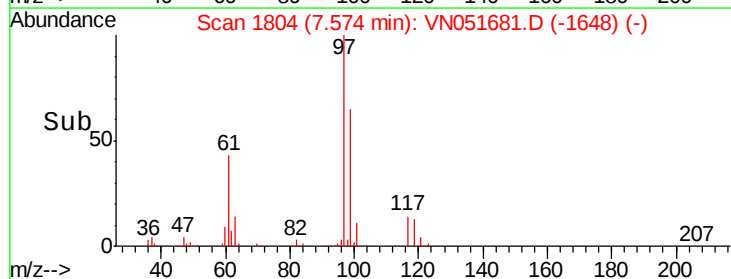
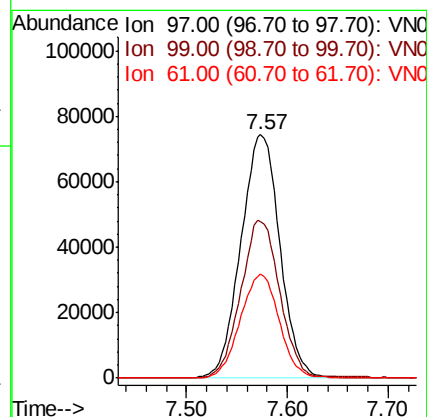
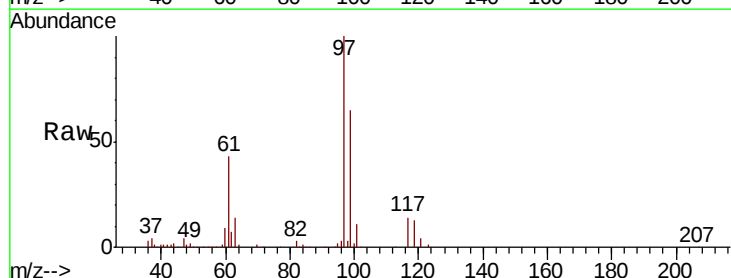
Tgt Ion: 97 Resp: 199812

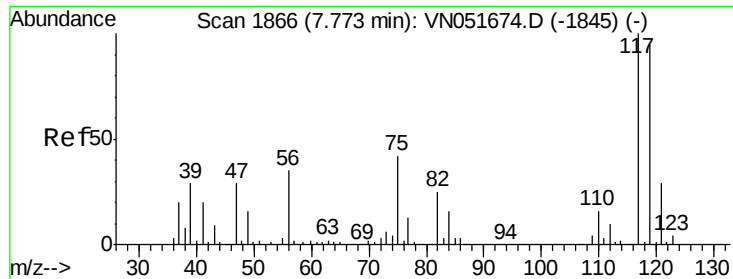
Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

61 42.4 37.4 56.0





#33

Carbon Tetrachloride

Concen: 18.238 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampled :

VN1005WBS01

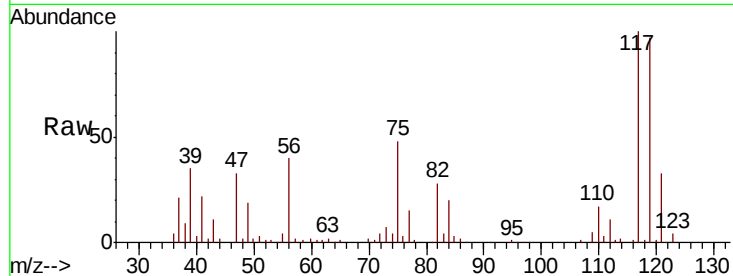
Tot Ion:117 Resp: 173218

Ion Ratio Lower Upper

117 100

119 96.8 85.1 127.7

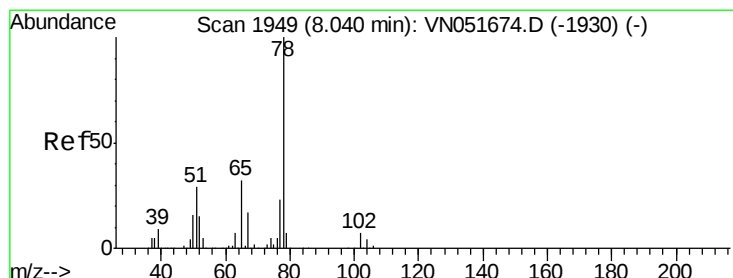
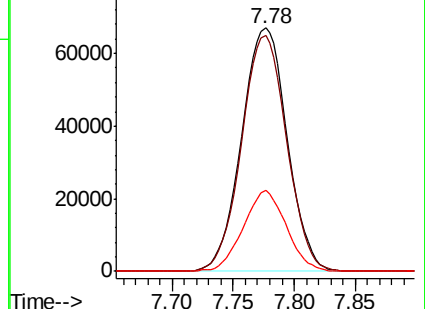
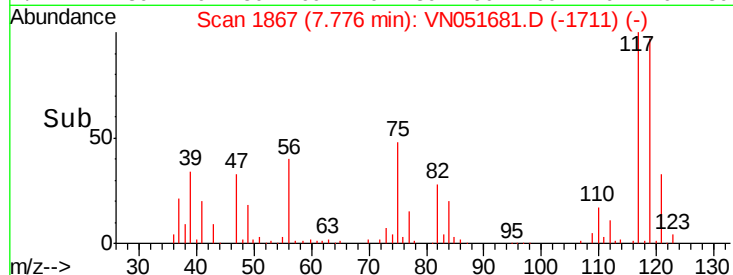
121 33.0 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 18.917 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

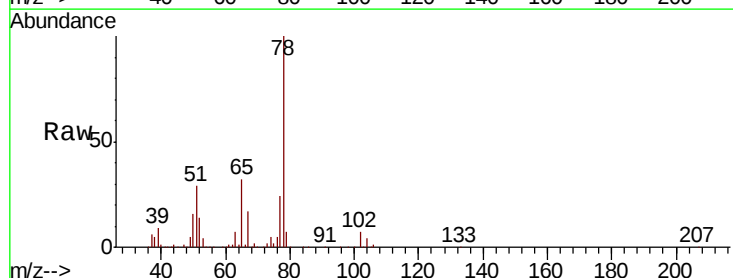
Tgt Ion: 78 Resp: 445794

Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2

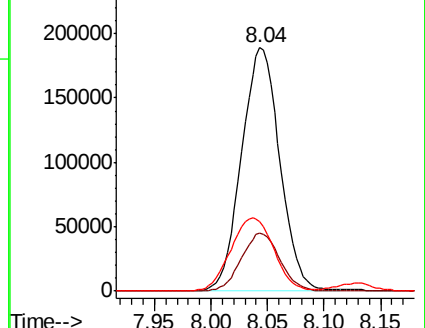
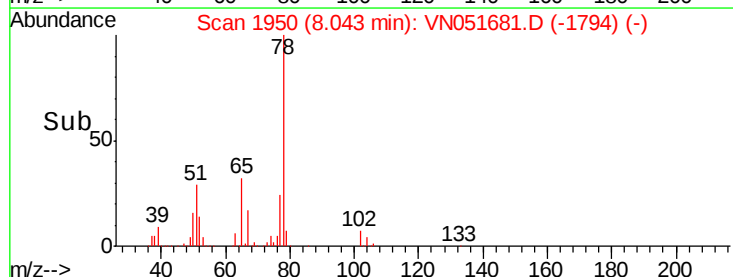
51 28.4 46.2 69.4#

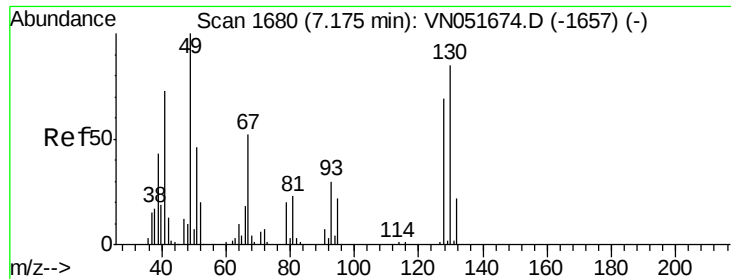


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

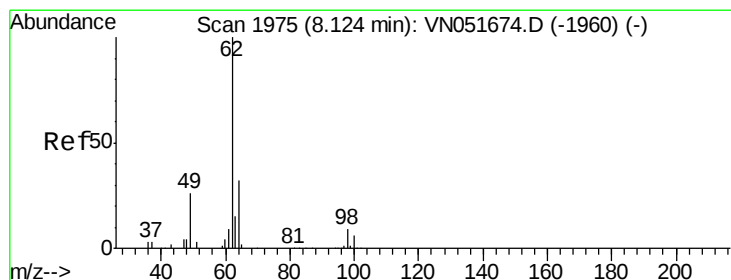
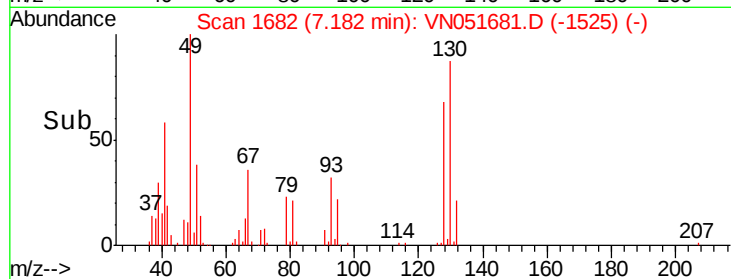
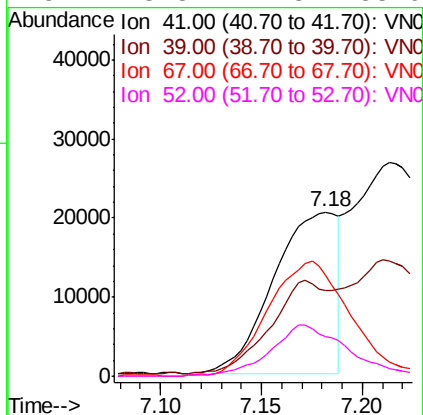
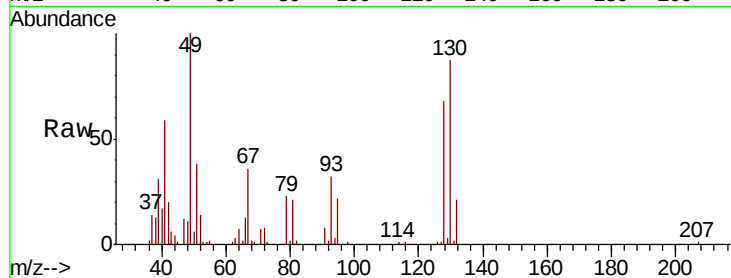




#35
Methacrylonitrile
Concen: 21.511 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

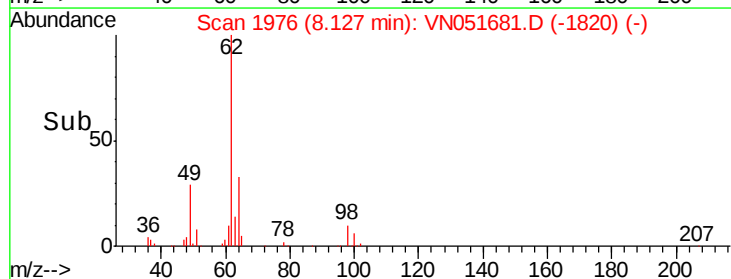
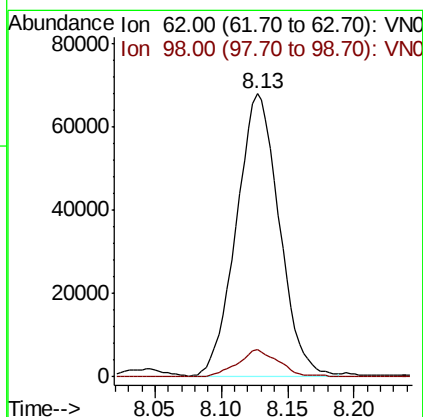
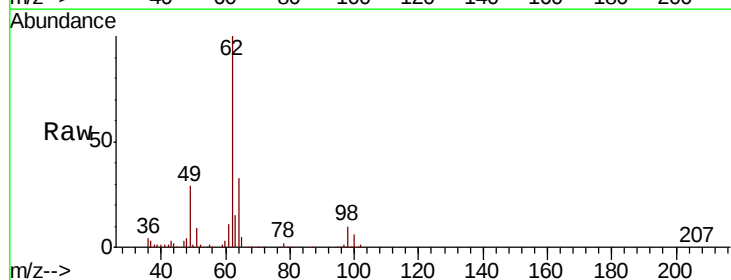
Instrument :
MSVOA_N
ClientSampled :
VN1005WBS01

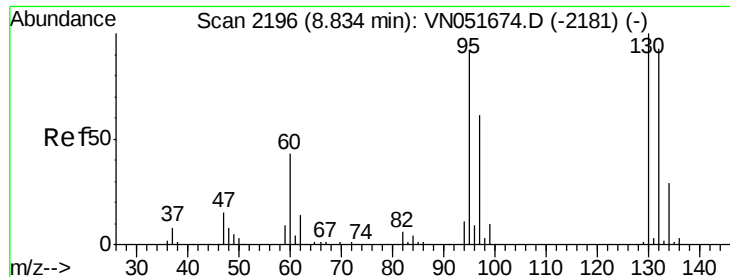
Tot Ion: 41 Resp: 45042
Ion Ratio Lower Upper
41 100
39 51.4 22.6 67.7
67 61.6 28.9 86.8
52 23.8 11.3 33.9



#36
1,2-Dichloroethane
Concen: 19.280 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion: 62 Resp: 152076
Ion Ratio Lower Upper
62 100
98 9.2 6.9 10.3

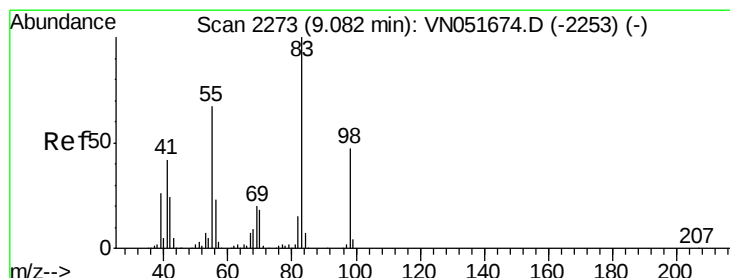
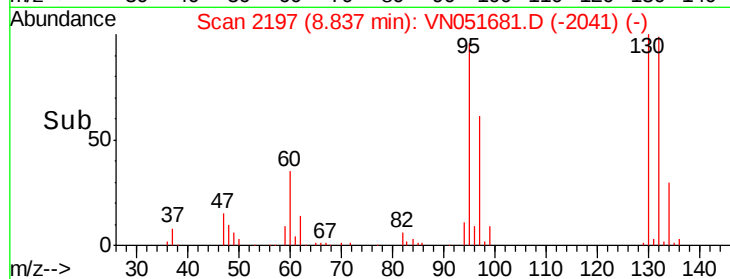
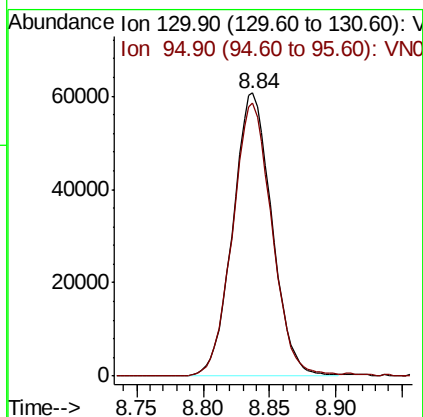
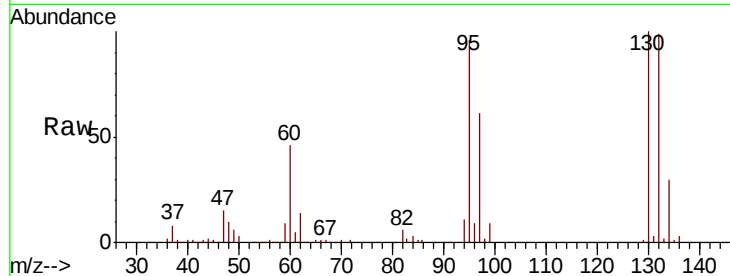




#37
 Trichloroethene
 Concen: 18.895 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

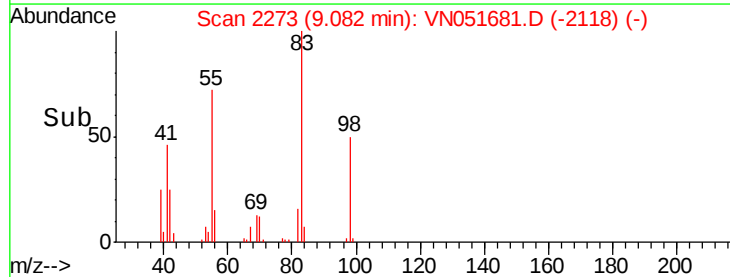
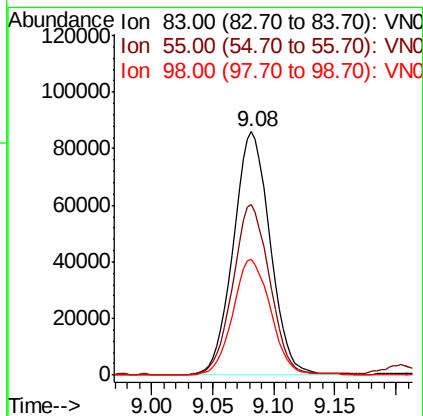
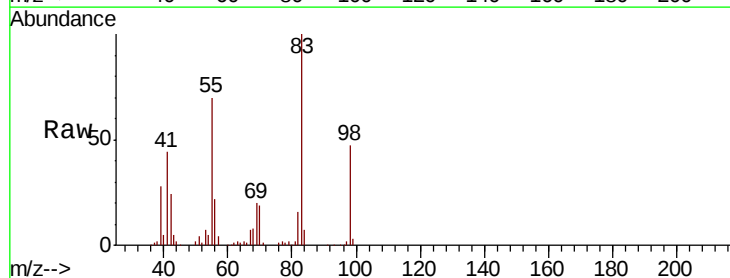
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

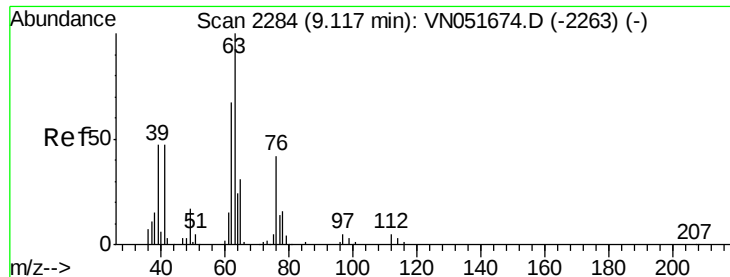
Tot Ion:130 Resp: 123818
 Ion Ratio Lower Upper
 130 100
 95 96.3 76.4 114.6



#38
 Methylcyclohexane
 Concen: 18.260 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion: 83 Resp: 180141
 Ion Ratio Lower Upper
 83 100
 55 69.4 43.0 129.2
 98 48.4 21.3 63.7





#39

1,2-Dichloropropane

Concen: 19.331 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

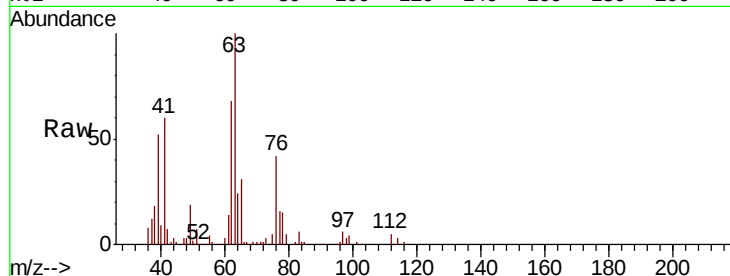
VN1005WBS01

Tot Ion: 63 Resp: 111581

Ion Ratio Lower Upper

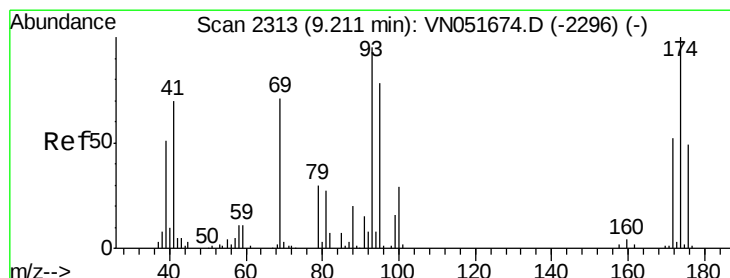
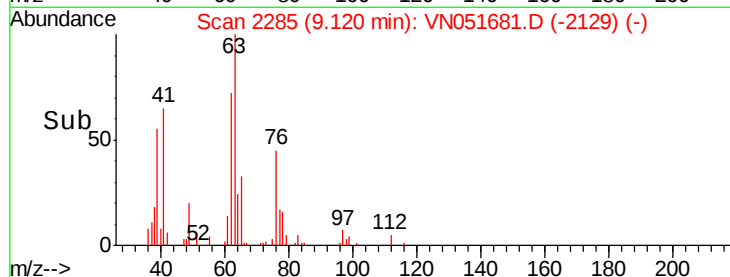
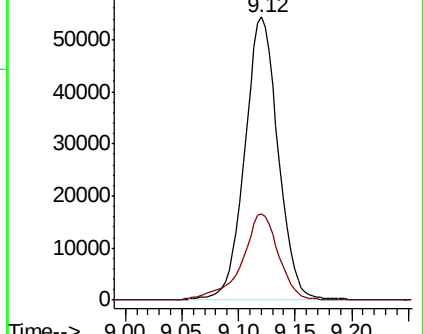
63 100

65 30.4 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.303 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

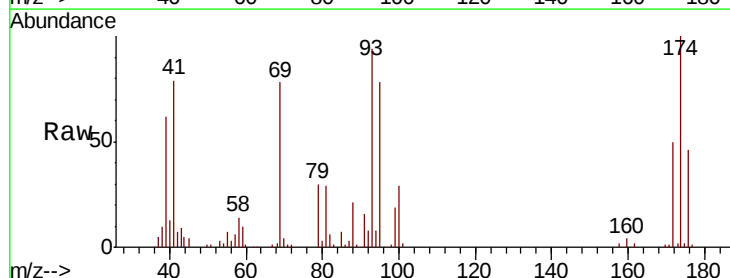
Tgt Ion: 93 Resp: 77080

Ion Ratio Lower Upper

93 100

95 80.5 0.0 162.0

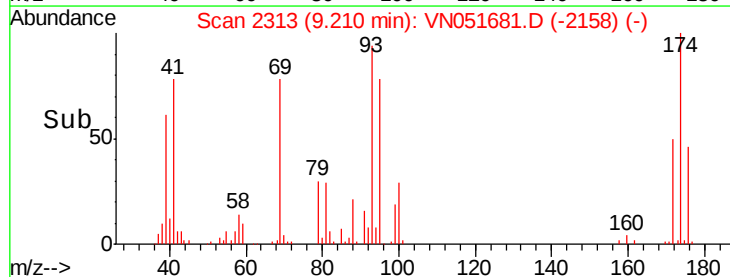
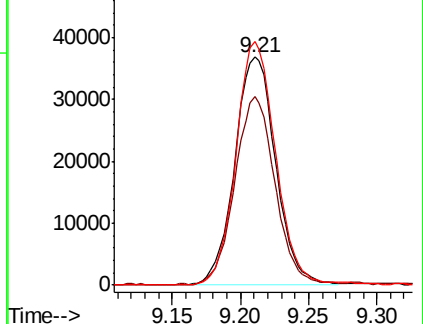
174 103.6 0.0 214.0

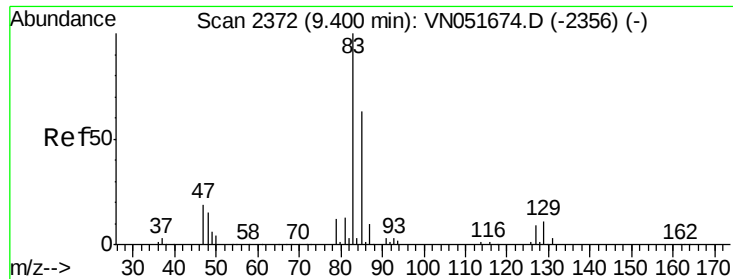


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.904 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

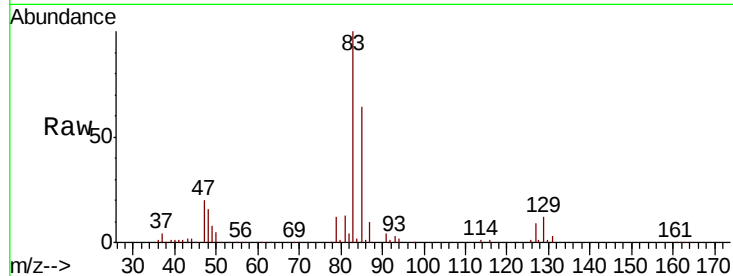
Tot Ion: 83 Resp: 168465

Ion Ratio Lower Upper

83 100

85 64.0 55.7 83.5

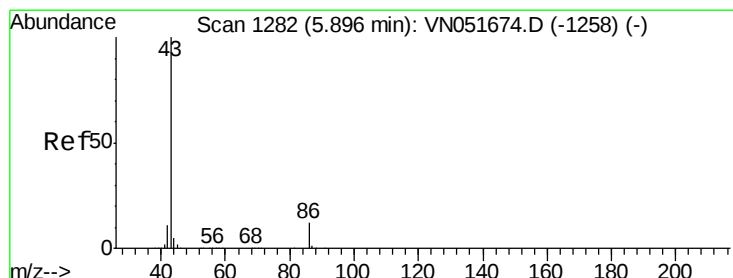
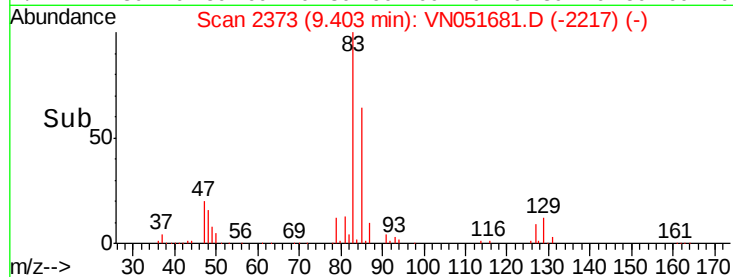
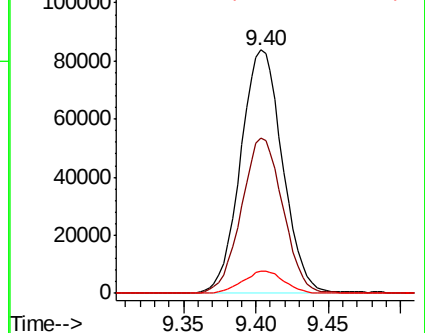
127 10.2 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 97.343 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051681.D

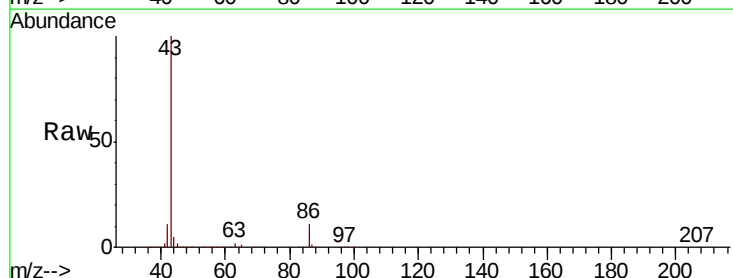
Acq: 5 Oct 2018 12:49

Tgt Ion: 43 Resp: 1088237

Ion Ratio Lower Upper

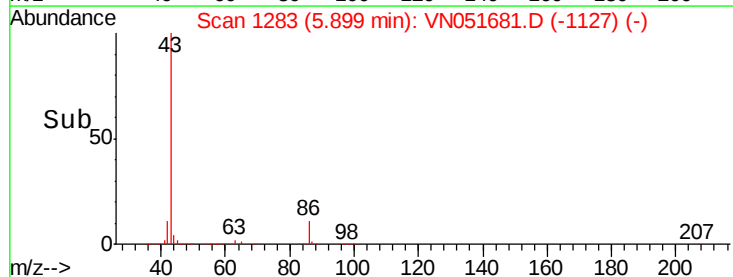
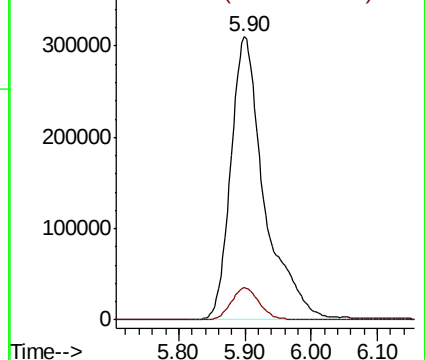
43 100

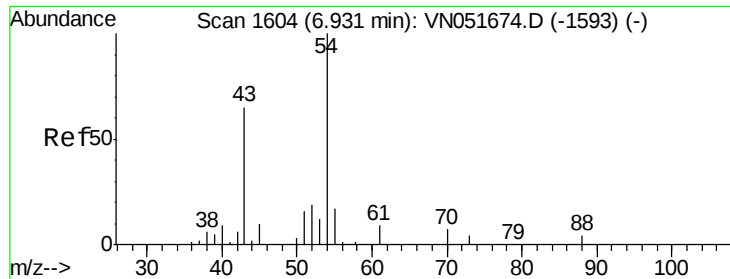
86 9.6 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

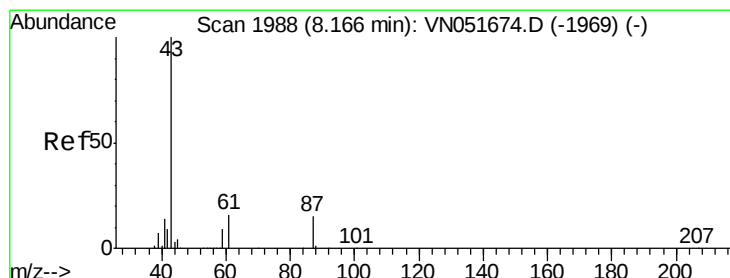
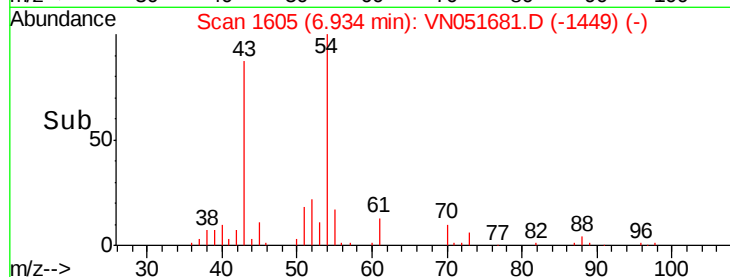
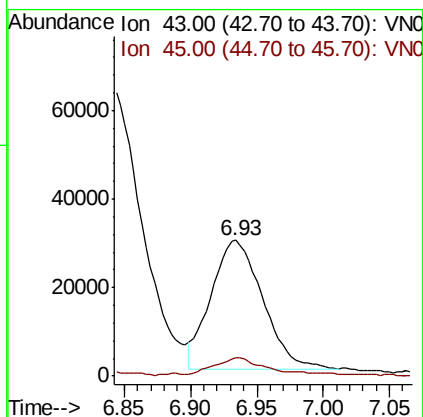
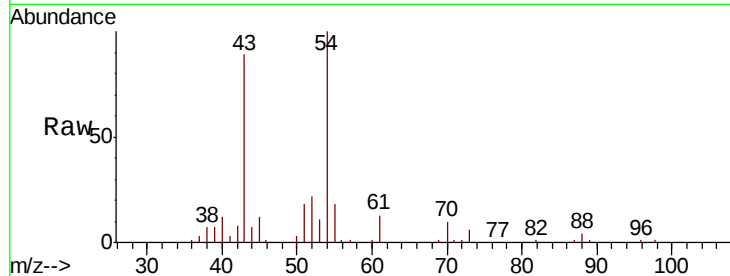




#43
Ethyl Acetate
Concen: 19.854 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

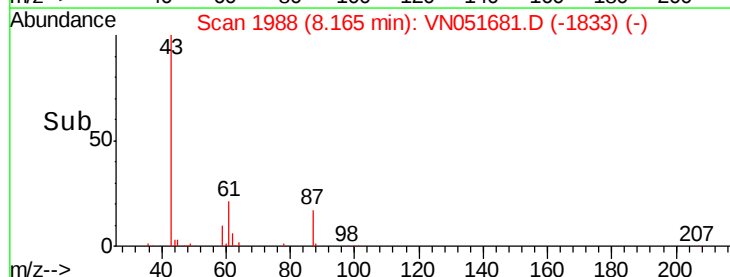
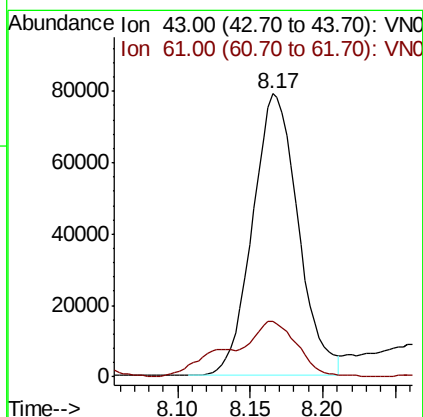
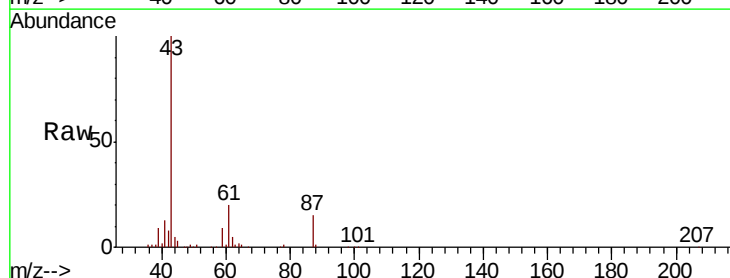
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

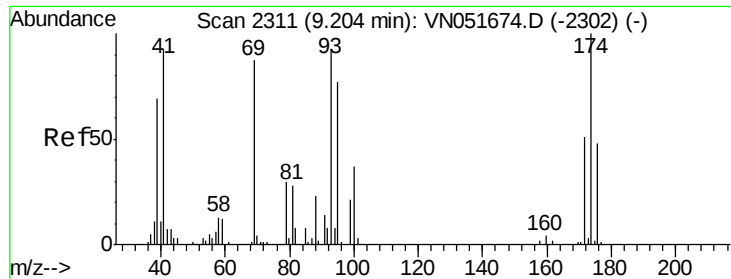
Tot Ion: 43 Resp: 79263
Ion Ratio Lower Upper
43 100
45 10.5 11.0 16.6#



#44
Isopropyl Acetate
Concen: 19.578 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion: 43 Resp: 172866
Ion Ratio Lower Upper
43 100
61 19.1 15.9 23.9





#45

1,4-Dioxane

Concen: 390.194 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

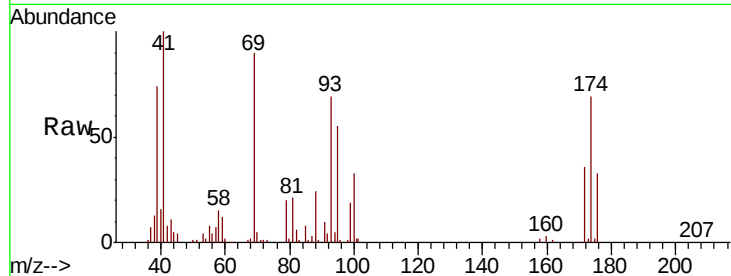
Tot Ion: 88 Resp: 21768

Ion Ratio Lower Upper

88 100

43 31.5 26.2 39.2

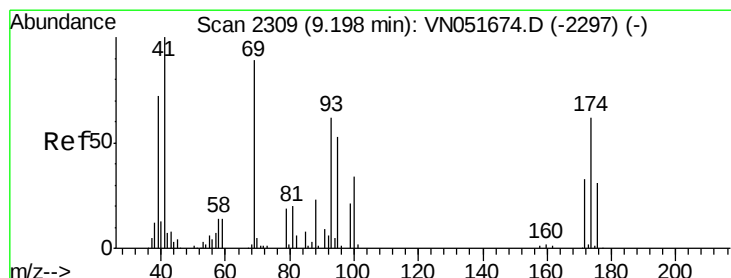
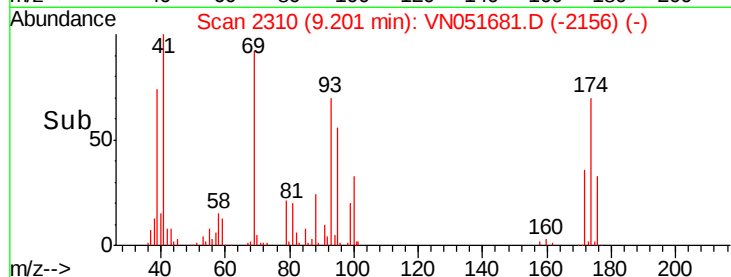
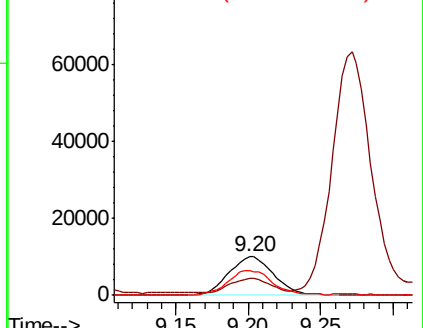
58 63.8 65.6 98.4#



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: 19.834 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

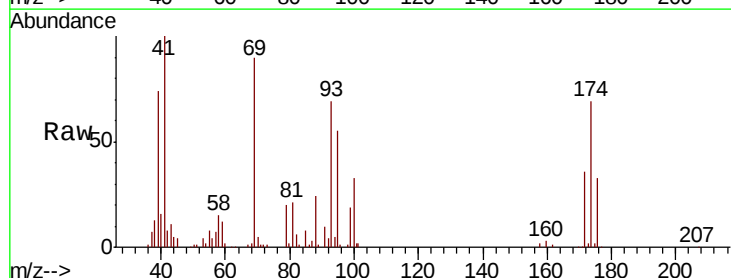
Tgt Ion: 41 Resp: 78071

Ion Ratio Lower Upper

41 100

69 92.5 40.7 122.1

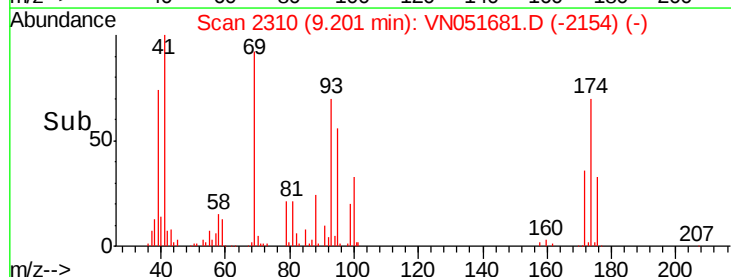
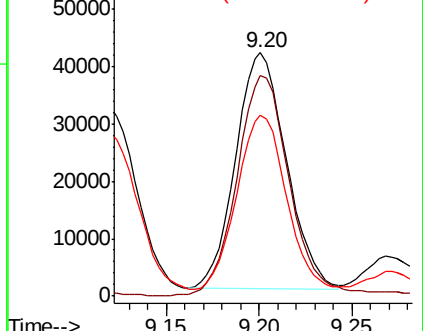
39 73.6 27.3 81.9

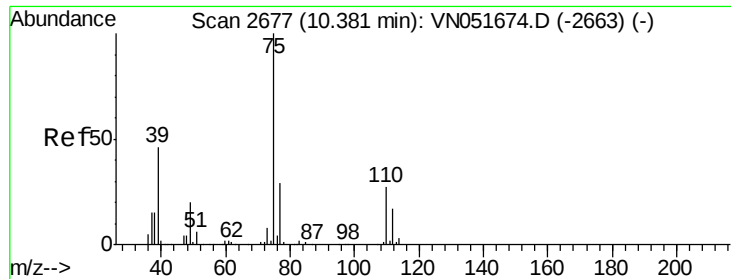


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#48

t-1,3-Dichloropropene

Concen: 18.090 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

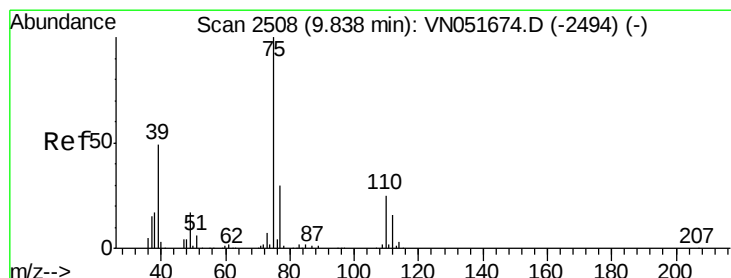
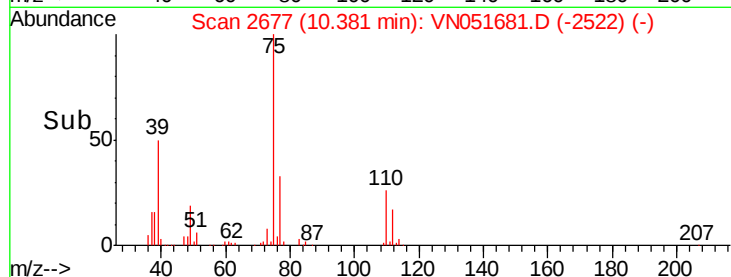
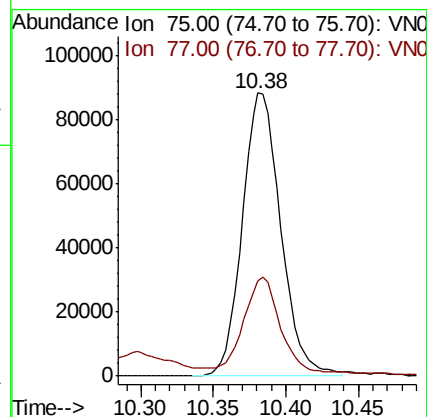
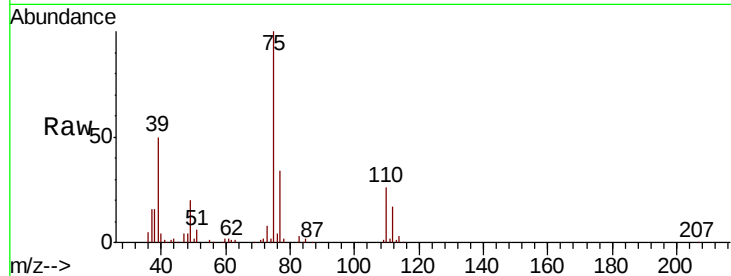
VN1005WBS01

Tot Ion: 75 Resp: 163087

Ion Ratio Lower Upper

75 100

77 32.3 24.6 37.0



#49

cis-1,3-Dichloropropene

Concen: 18.429 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

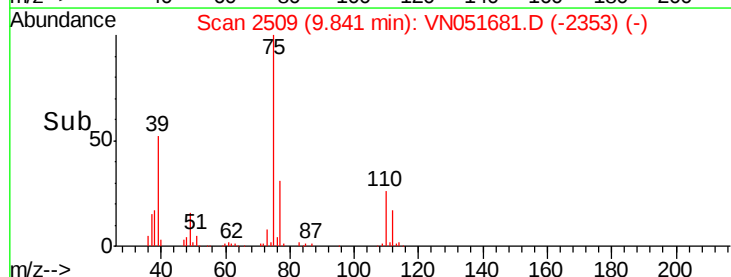
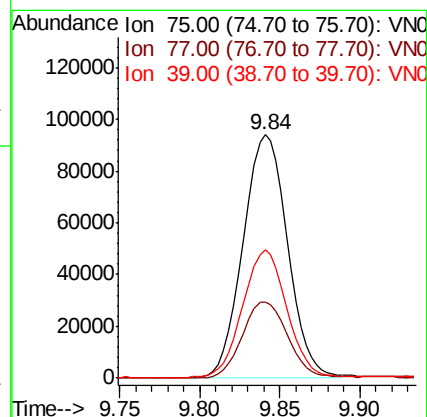
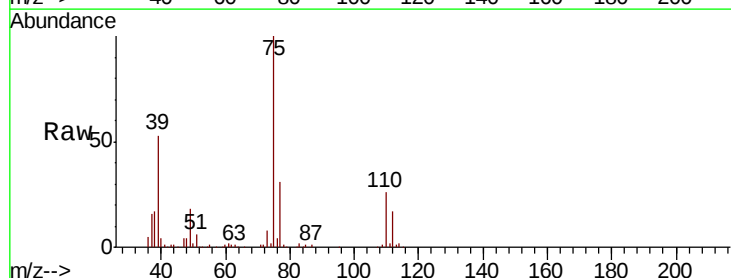
Tgt Ion: 75 Resp: 179077

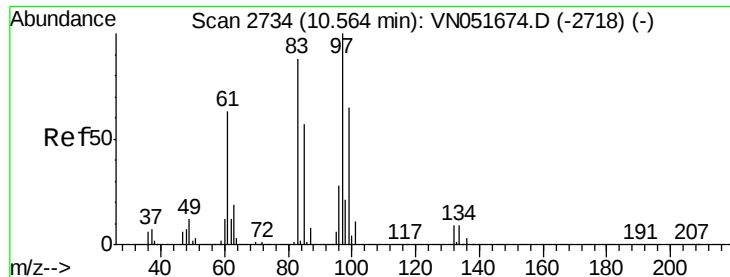
Ion Ratio Lower Upper

75 100

77 31.2 23.2 34.8

39 52.1 34.6 52.0#

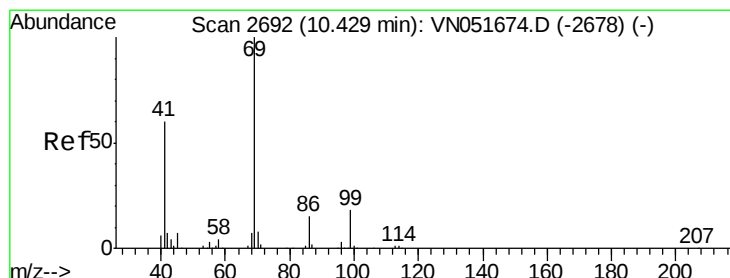
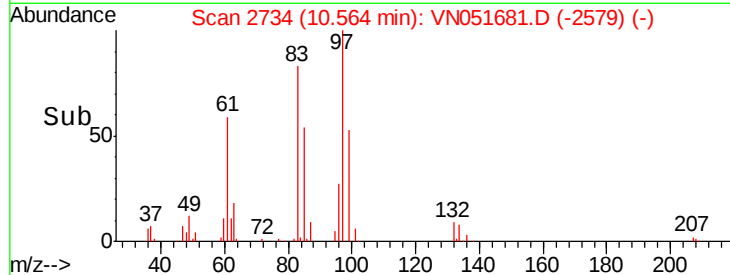
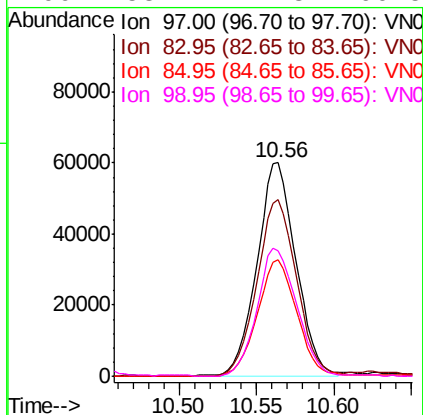
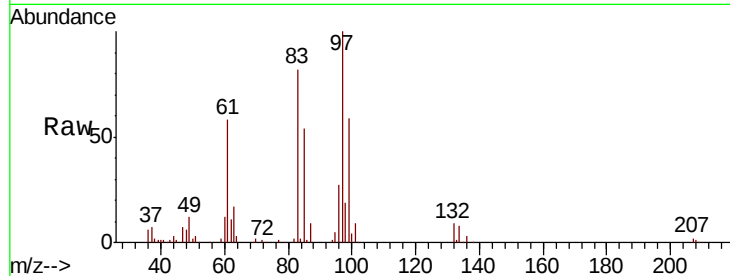




#50
 1,1,2-Trichloroethane
 Concen: 18.708 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

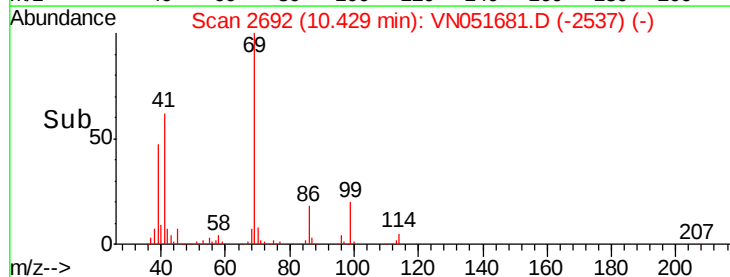
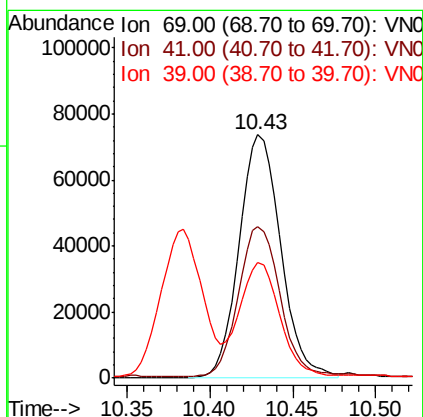
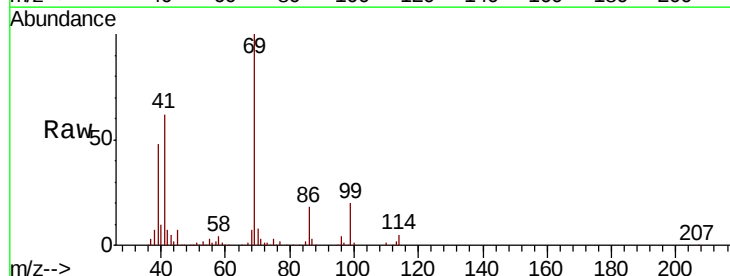
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

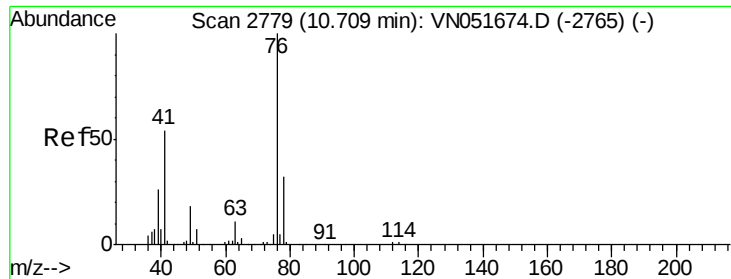
Tot Ion:	97	Resp:	105356
Ion	Ratio	Lower	Upper
97	100		
83	82.4	68.2	102.4
85	54.4	42.5	63.7
99	58.4	44.3	66.5



#51
 Ethyl methacrylate
 Concen: 18.049 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion:	69	Resp:	129276
Ion	Ratio	Lower	Upper
69	100		
41	61.5	34.4	103.1
39	46.5	16.3	48.8





#52

1,3-Dichloropropane

Concen: 18.603 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

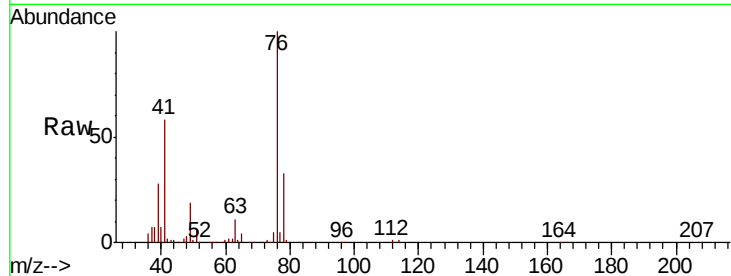
VN1005WBS01

Tot Ion: 76 Resp: 166847

Ion Ratio Lower Upper

76 100

78 32.0 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN051674.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN051674.D (-2765) (-)

10.71

80000

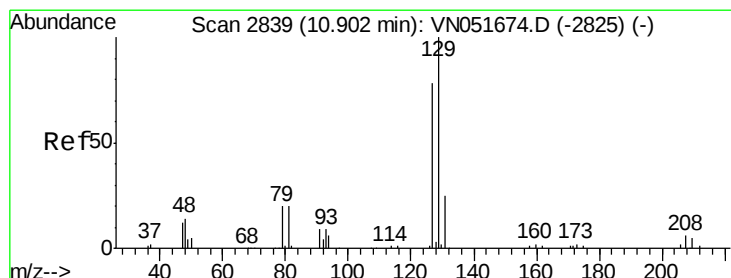
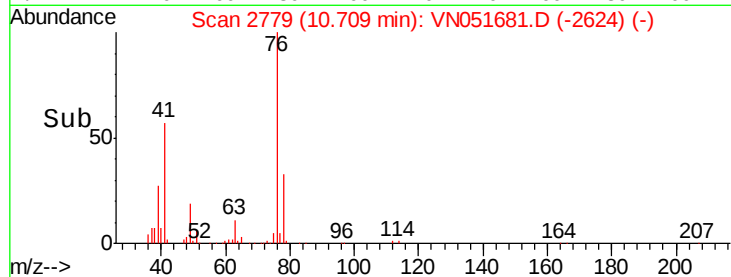
60000

40000

20000

0

Time-->



#53

Dibromochloromethane

Concen: 17.567 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN051681.D

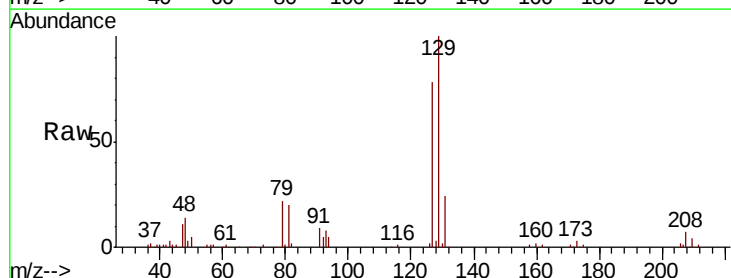
Acq: 5 Oct 2018 12:49

Tgt Ion: 129 Resp: 129943

Ion Ratio Lower Upper

129 100

127 77.1 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): VN051674.D (-2825) (-)

Ion 127.00 (126.70 to 127.70): VN051674.D (-2825) (-)

10.90

80000

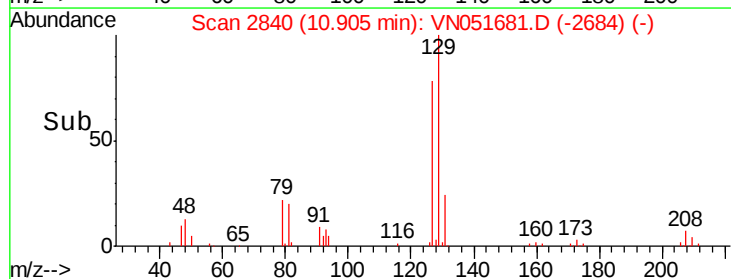
60000

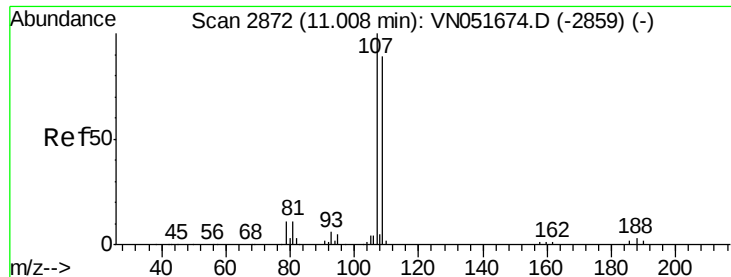
40000

20000

0

Time-->





#54

1,2-Dibromoethane

Concen: 17.707 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

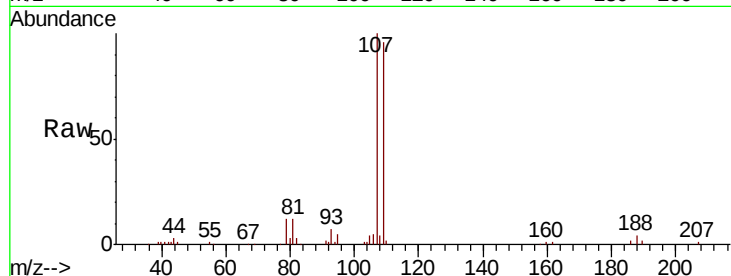
VN1005WBS01

Tot Ion:107 Resp: 104615

Ion Ratio Lower Upper

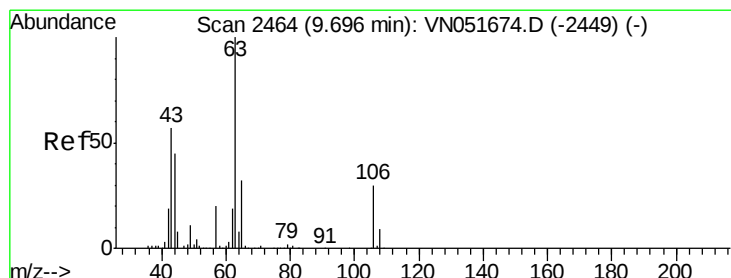
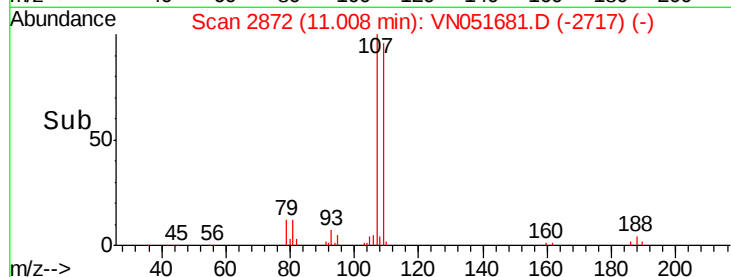
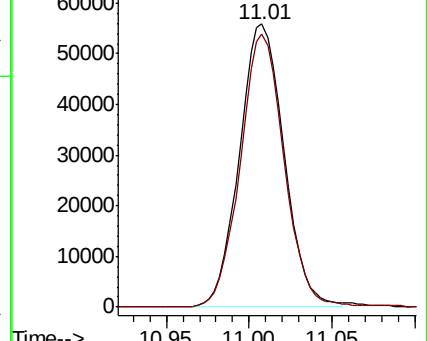
107 100

109 95.2 77.4 116.0



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: 94.247 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

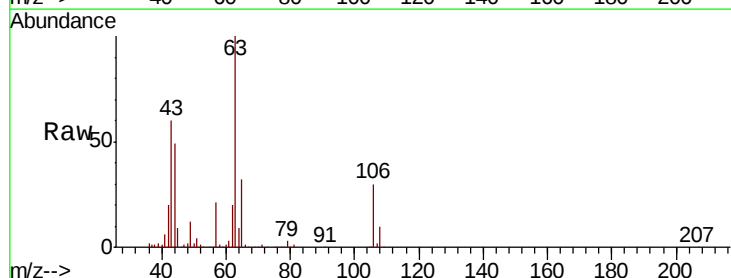
Tgt Ion: 63 Resp: 279649

Ion Ratio Lower Upper

63 100

65 33.2 25.4 38.0

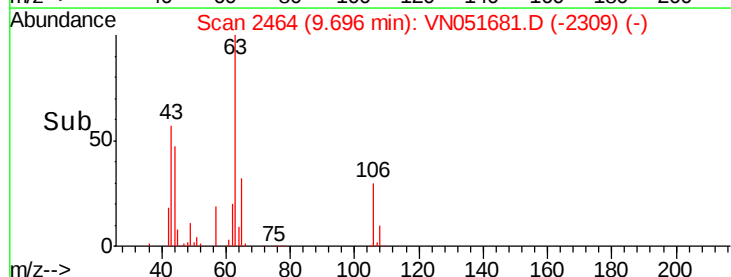
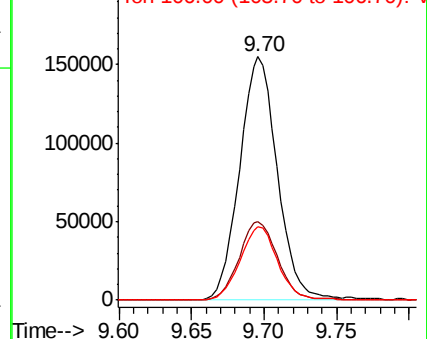
106 30.2 21.2 31.8

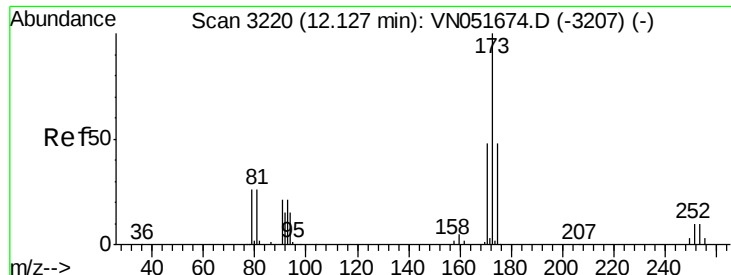


Abundance Ion 63.00 (62.70 to 63.70): V

Ion 65.00 (64.70 to 65.70): V

Ion 106.00 (105.70 to 106.70): V

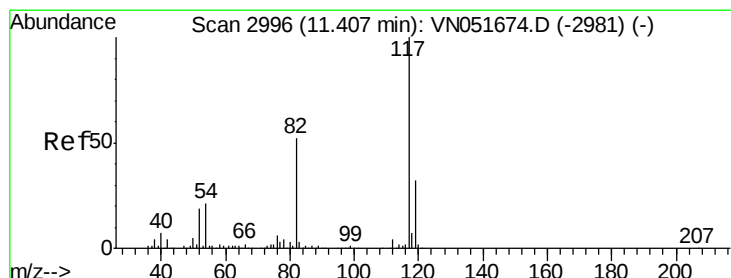
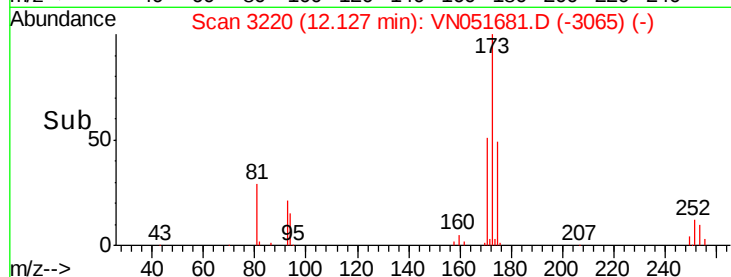
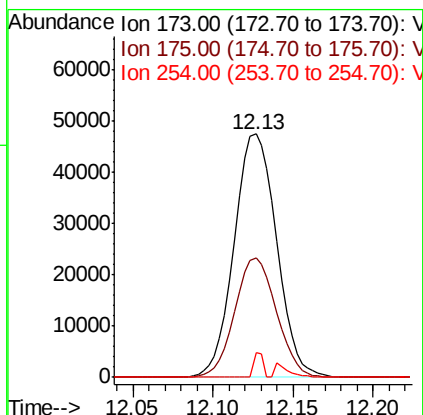
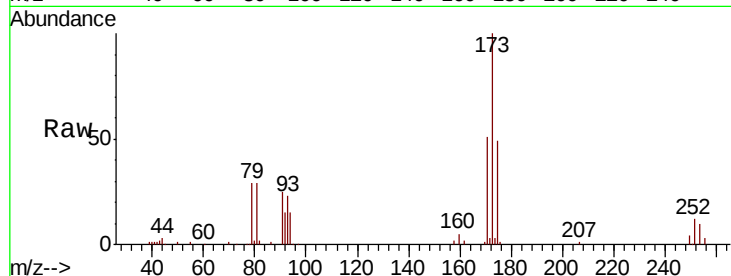




#56
Bromoform
Concen: 16.202 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

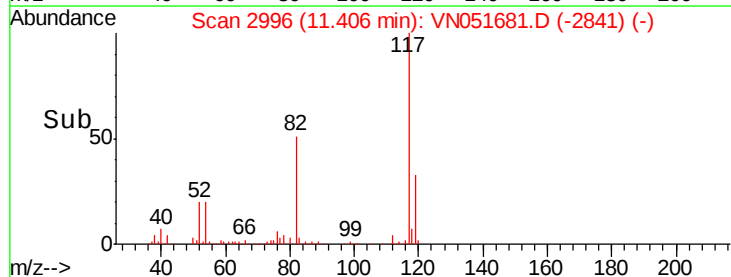
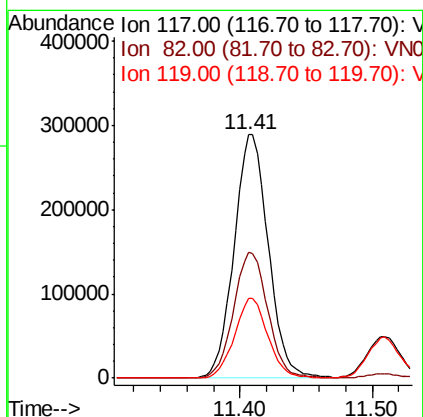
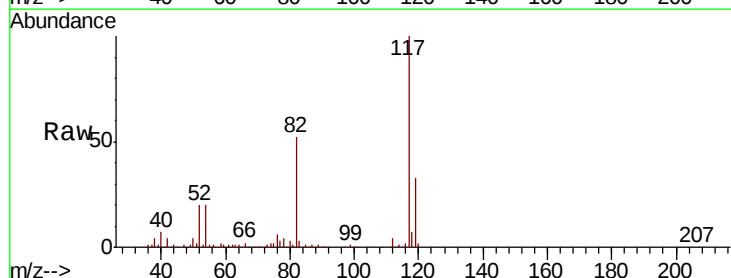
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

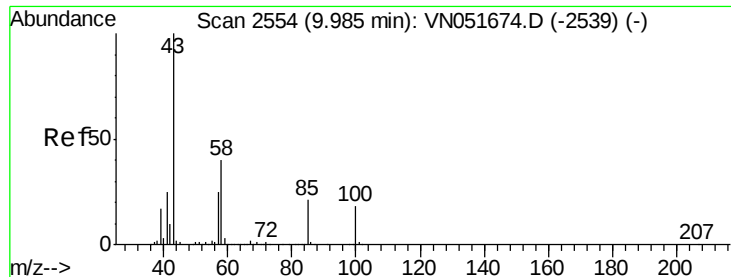
Tot Ion:173 Resp: 85920
Ion Ratio Lower Upper
173 100
175 48.1 35.8 53.8
254 2.1 8.6 13.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion:117 Resp: 518893
Ion Ratio Lower Upper
117 100
82 51.5 44.1 66.1
119 31.9 25.8 38.8

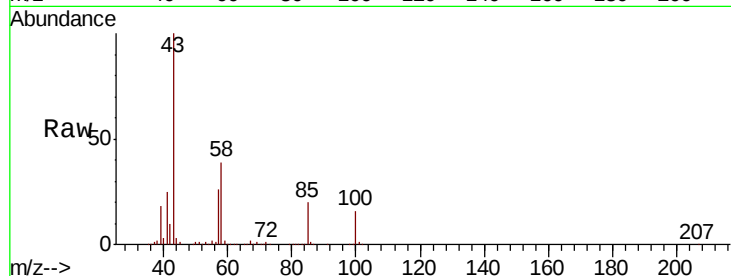




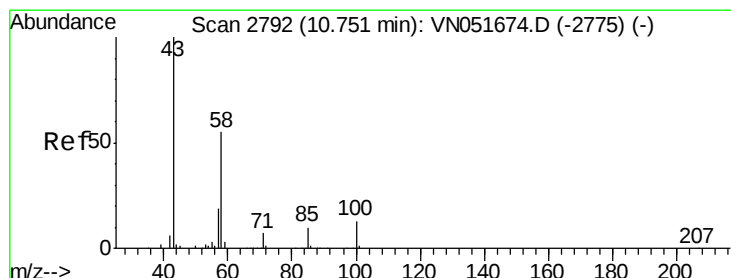
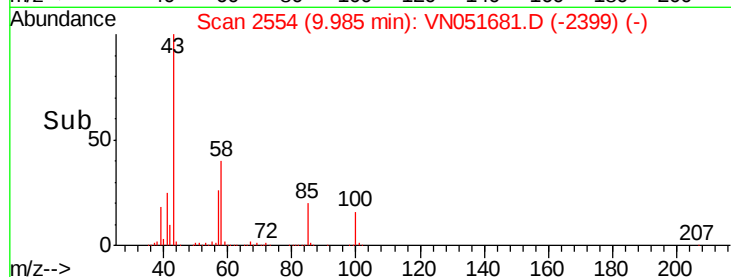
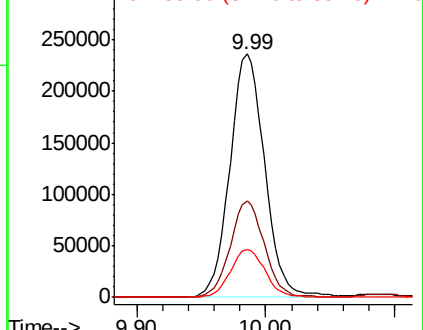
#58
 4-Methyl-2-Pentanone
 Concen: 103.230 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	29.3	43.9
85	19.7	12.6	18.8#

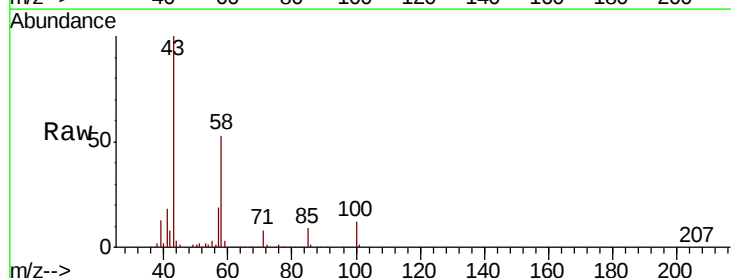


Abundance Ion 43.00 (42.70 to 43.70): VNC
 Ion 58.00 (57.70 to 58.70): VNC
 Ion 85.00 (84.70 to 85.70): VNC

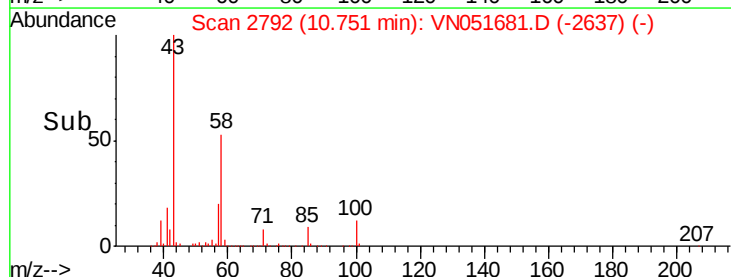
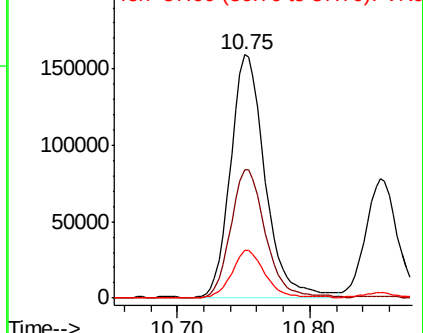


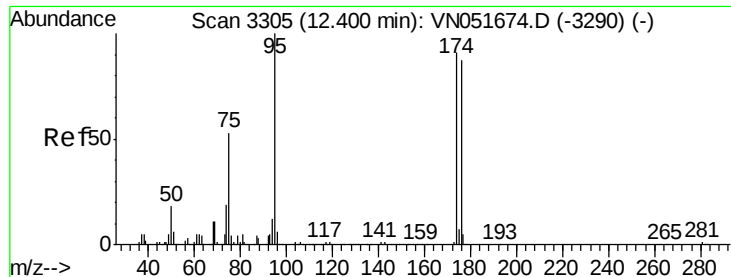
#59
 2-Hexanone
 Concen: 99.463 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.8	41.3	61.9
57	19.3	13.4	20.0



Abundance Ion 43.00 (42.70 to 43.70): VNC
 Ion 58.00 (57.70 to 58.70): VNC
 Ion 57.00 (56.70 to 57.70): VNC

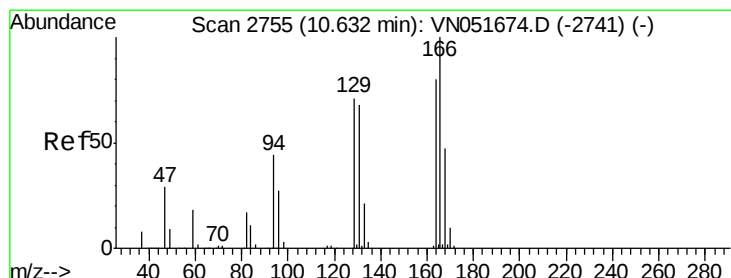
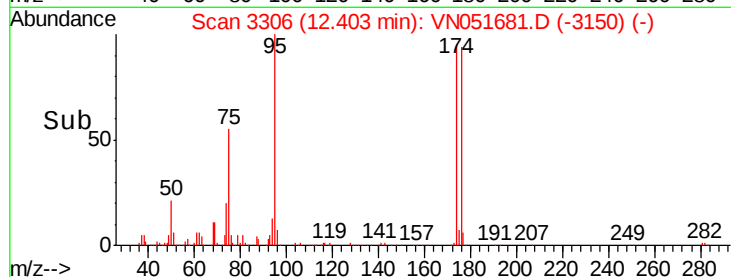
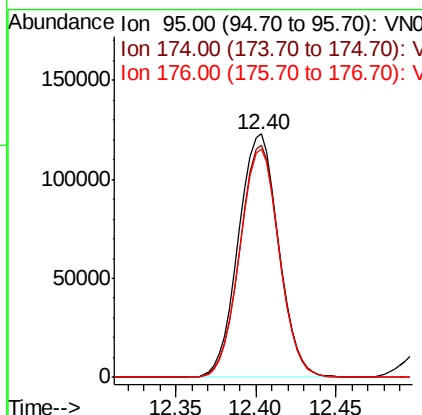
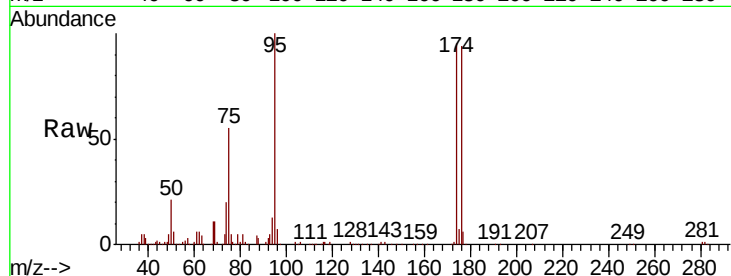




#60
4-Bromofluorobenzene
Concen: 99.463 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

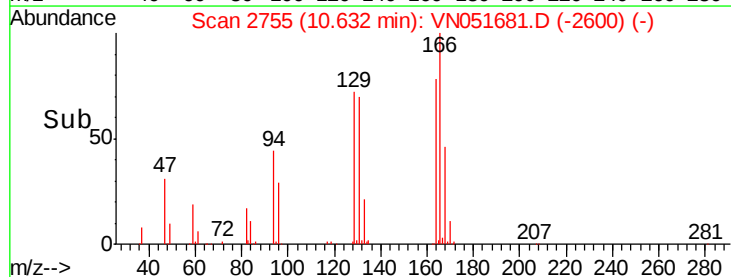
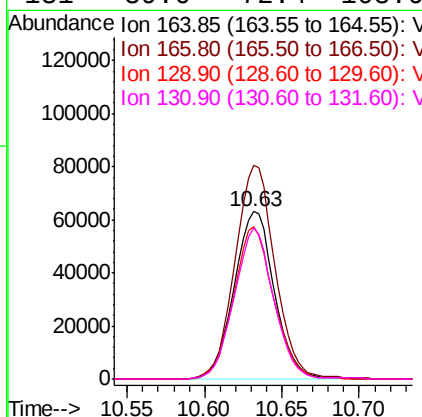
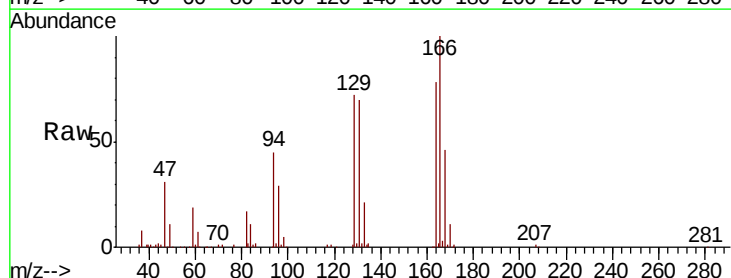
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

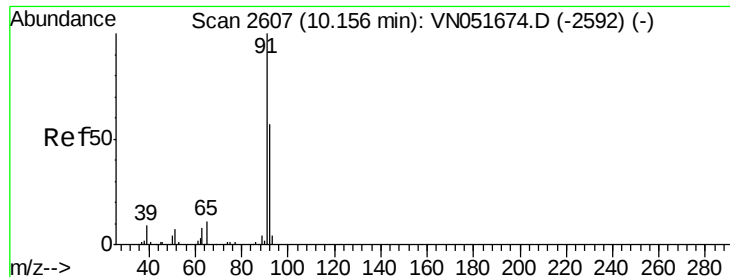
Tot Ion: 95 Resp: 210468
Ion Ratio Lower Upper
95 100
174 93.6 73.5 110.3
176 92.0 70.2 105.2



#61
Tetrachloroethene
Concen: 18.637 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion: 164 Resp: 113926
Ion Ratio Lower Upper
164 100
166 127.6 98.7 148.1
129 91.3 69.6 104.4
131 89.6 72.4 108.6





#62

Toluene

Concen: 19.276 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

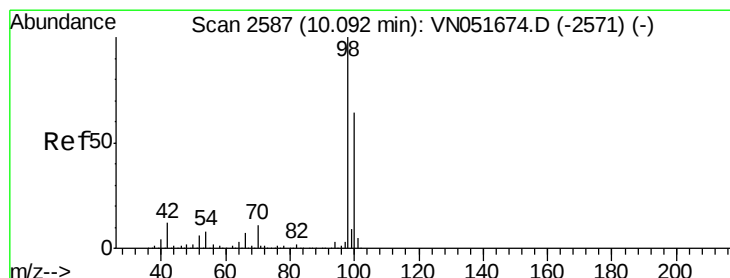
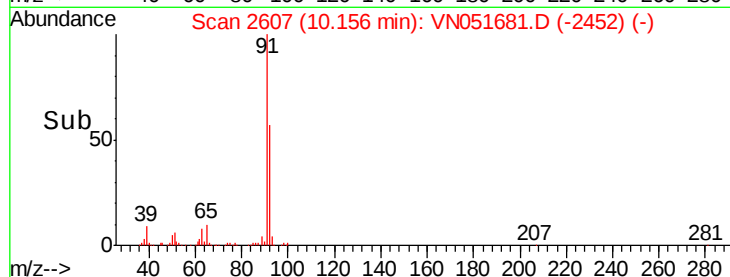
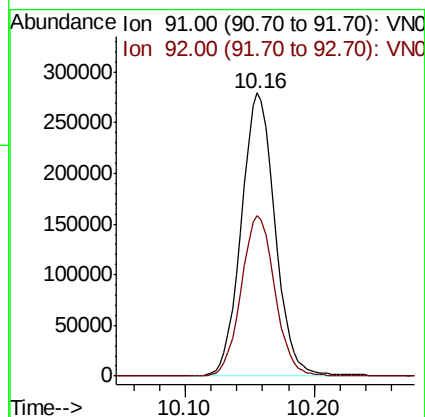
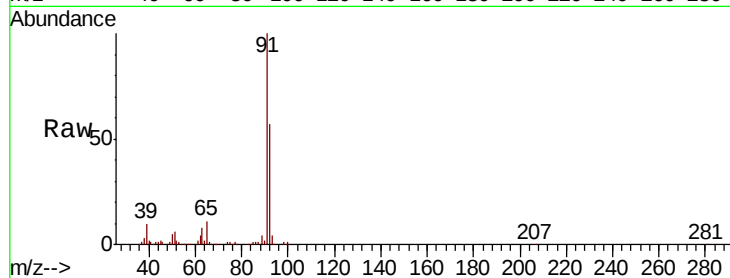
VN1005WBS01

Tot Ion: 91 Resp: 506661

Ion Ratio Lower Upper

91 100

92 56.9 44.6 66.8



#63

Toluene-d8

Concen: 19.276 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051681.D

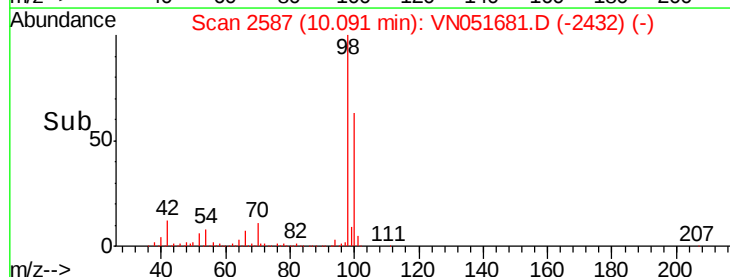
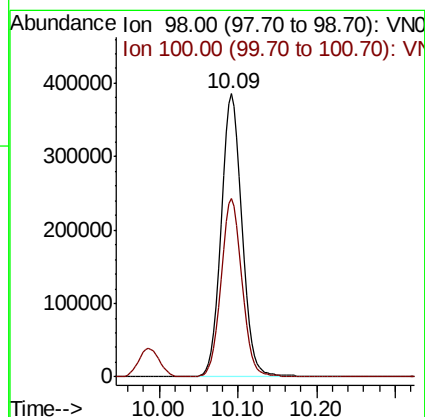
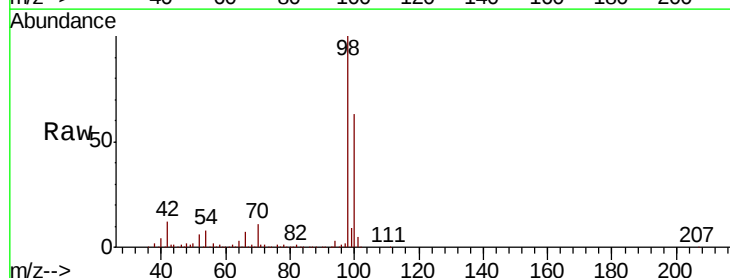
Acq: 5 Oct 2018 12:49

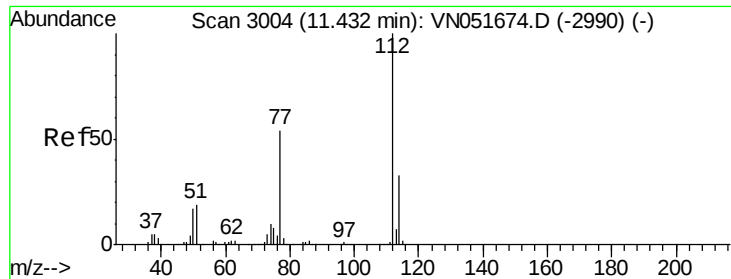
Tgt Ion: 98 Resp: 703352

Ion Ratio Lower Upper

98 100

100 62.7 50.8 76.2

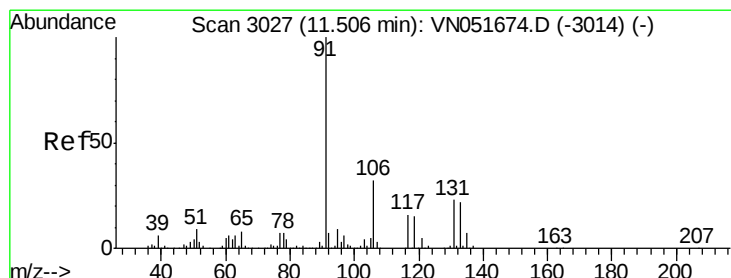
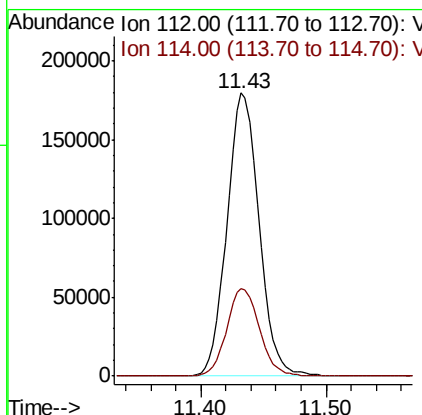
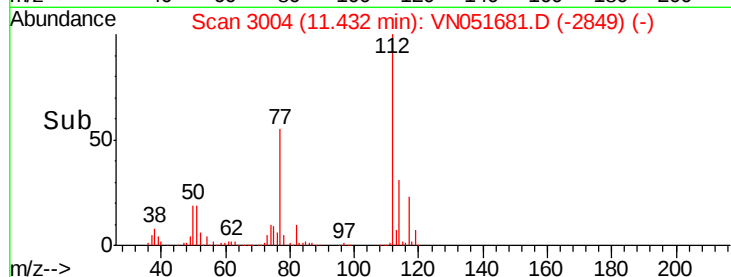
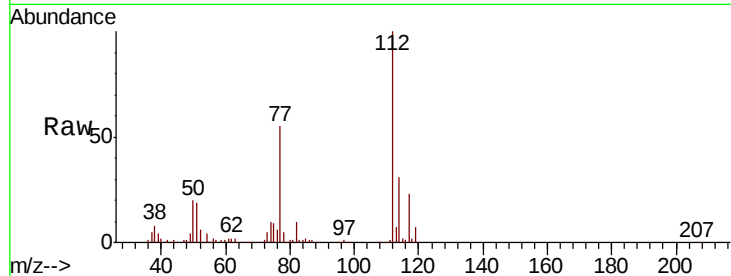




#64
Chlorobenzene
Concen: 18.896 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

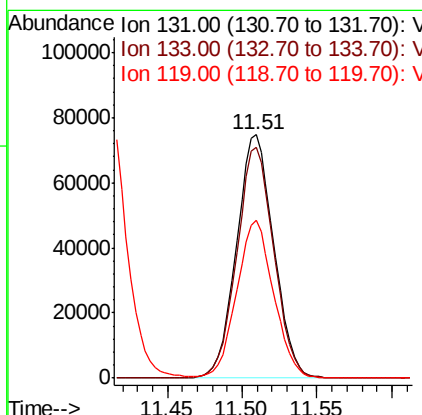
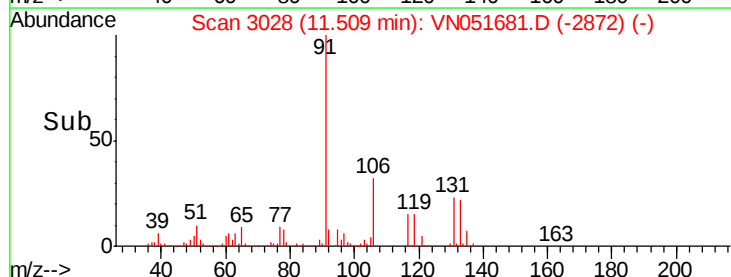
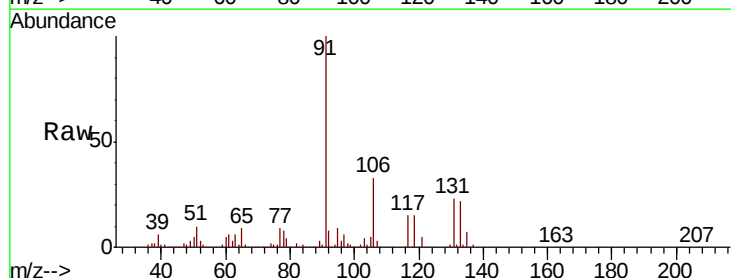
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

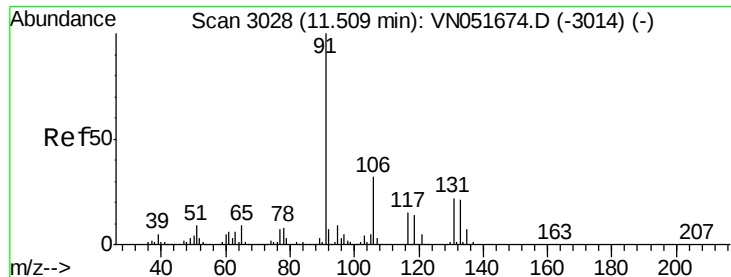
Tot Ion:112 Resp: 318794
Ion Ratio Lower Upper
112 100
114 30.8 27.5 41.3



#65
1,1,1,2-Tetrachloroethane
Concen: 18.839 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion:131 Resp: 129359
Ion Ratio Lower Upper
131 100
133 94.5 0.0 190.4
119 64.4 0.0 128.0

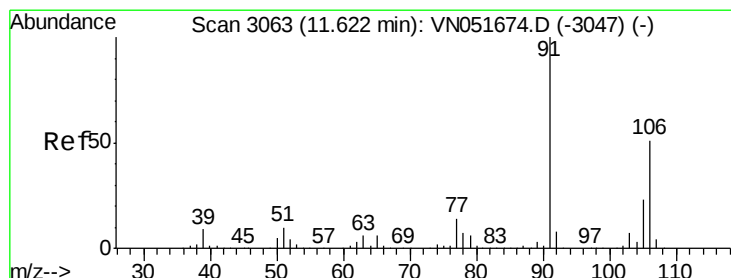
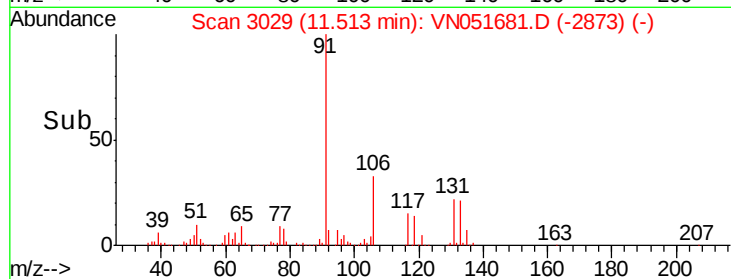
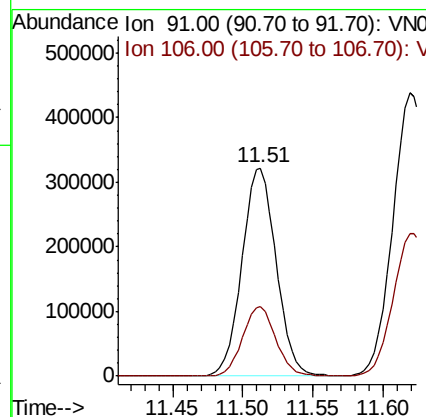
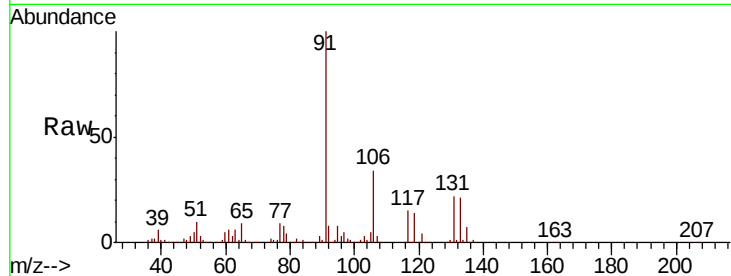




#66
Ethyl Benzene
Concen: 18.517 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

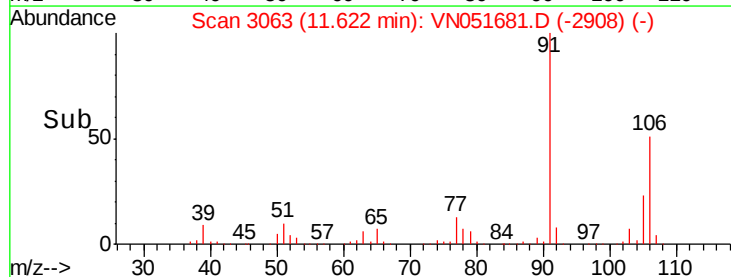
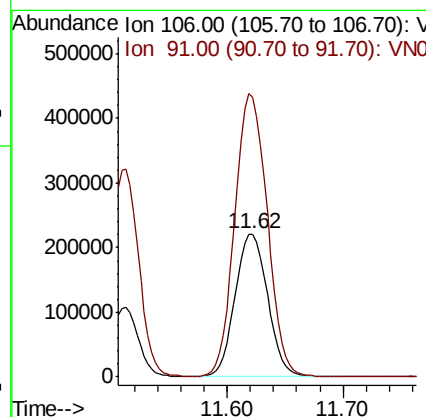
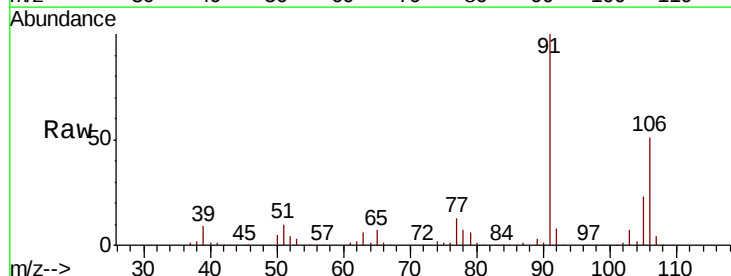
Instrument :
MSVOA_N
ClientSampled :
VN1005WBS01

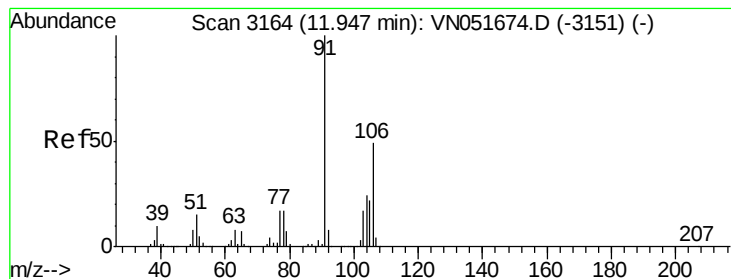
Tot Ion: 91 Resp: 547528
Ion Ratio Lower Upper
91 100
106 33.5 25.9 38.9



#67
m/p-Xylenes
Concen: 36.533 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion: 106 Resp: 432048
Ion Ratio Lower Upper
106 100
91 197.6 158.8 238.2





#68

o-Xylene

Concen: 18.204 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampled :

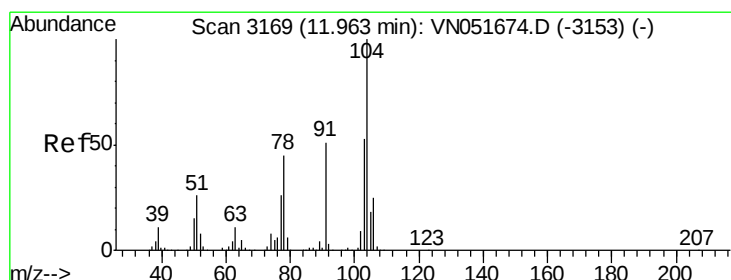
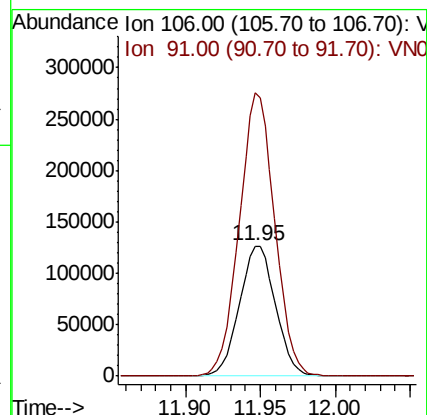
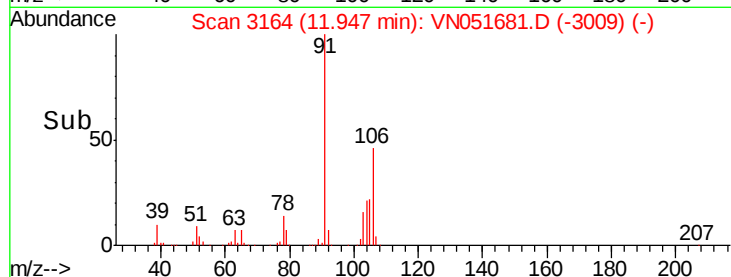
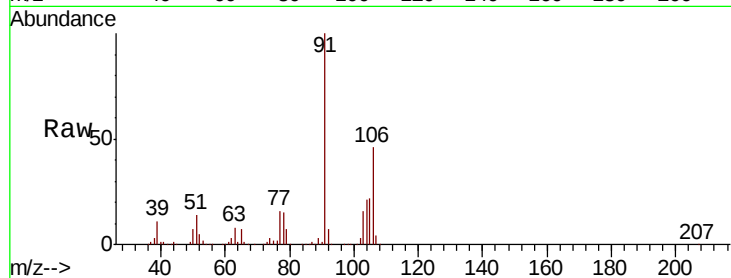
VN1005WBS01

Tot Ion:106 Resp: 212340

Ion Ratio Lower Upper

106 100

91 213.6 111.1 333.3



#69

Styrene

Concen: 17.353 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

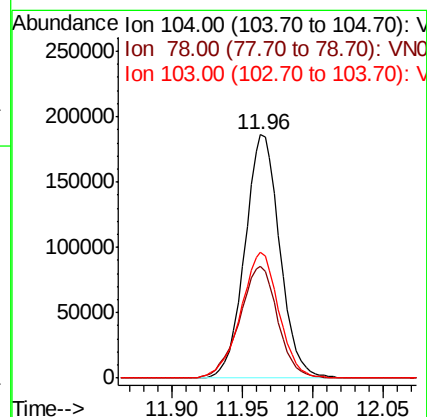
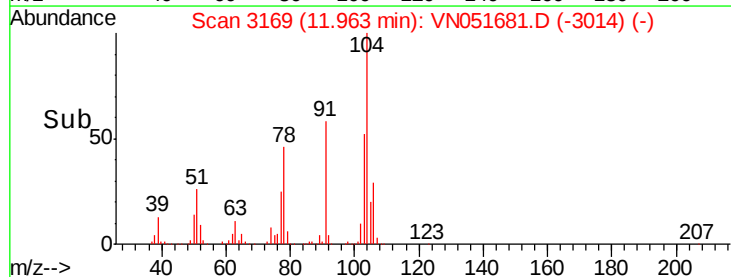
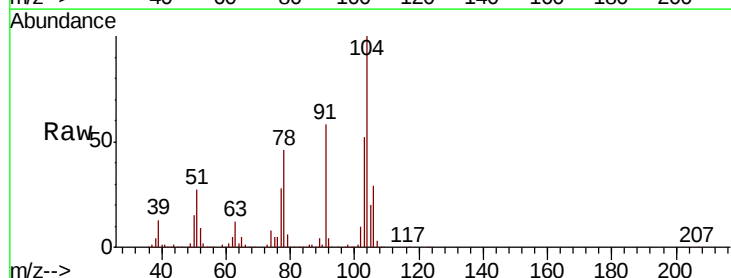
Tgt Ion:104 Resp: 322966

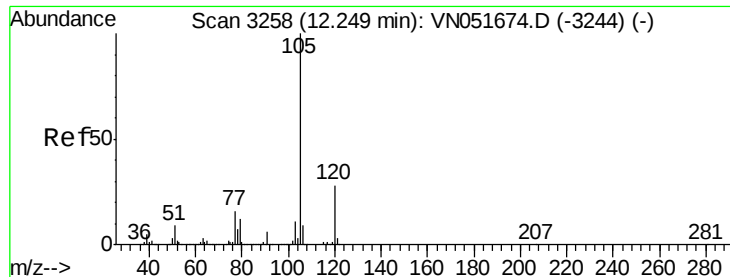
Ion Ratio Lower Upper

104 100

78 50.3 40.6 60.8

103 56.1 44.0 66.0





#70

Isopropylbenzene

Concen: 18.199 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

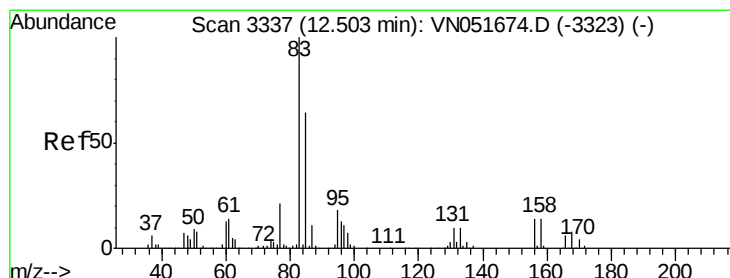
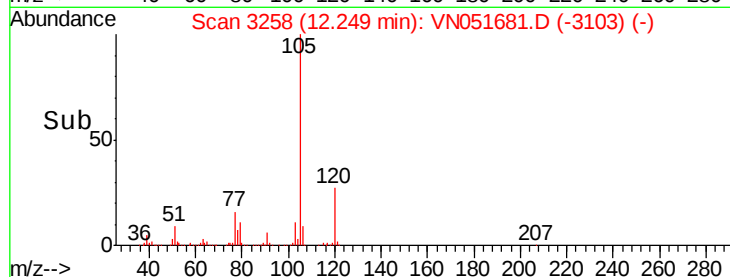
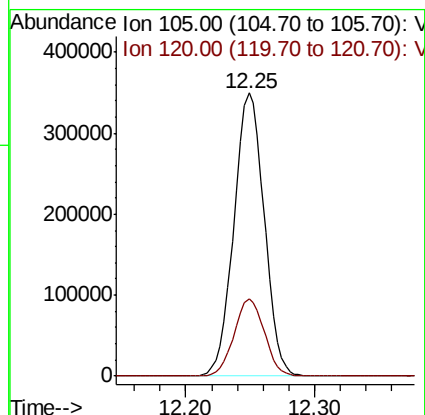
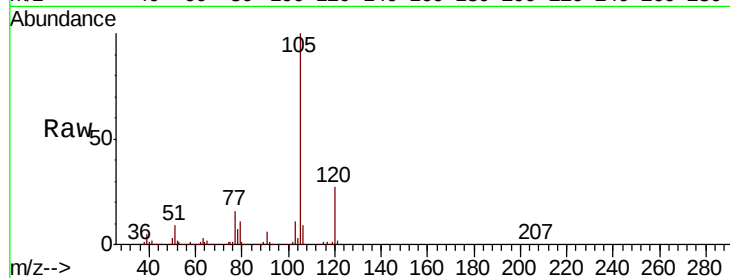
VN1005WBS01

Tot Ion:105 Resp: 570396

Ion Ratio Lower Upper

105 100

120 27.2 19.0 35.4



#71

1,1,2,2-Tetrachloroethane

Concen: 19.295 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

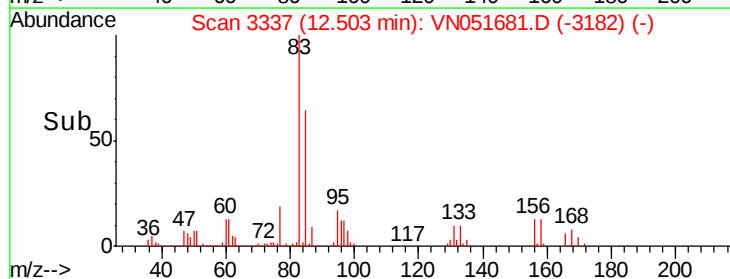
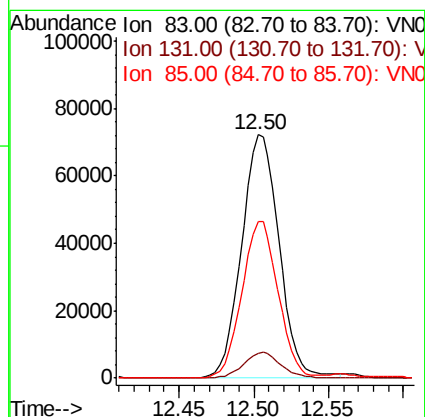
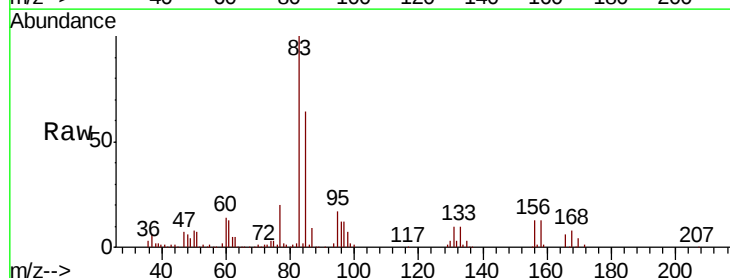
Tgt Ion: 83 Resp: 126299

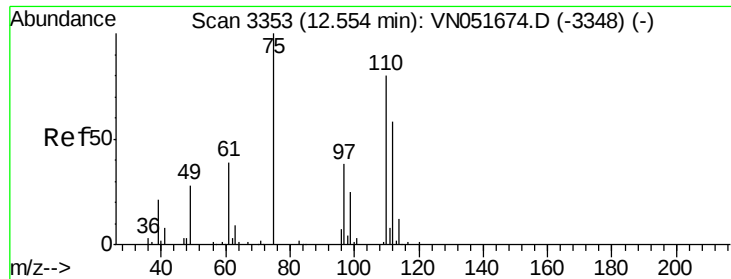
Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.4

85 62.3 30.6 91.8





#72

1,2,3-Trichloropropane

Concen: 28.671 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

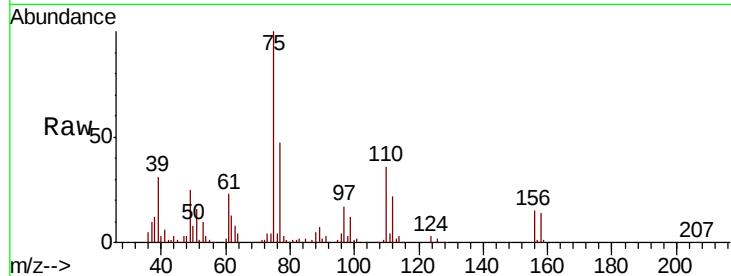
VN1005WBS01

Tot Ion: 75 Resp: 149707

Ion Ratio Lower Upper

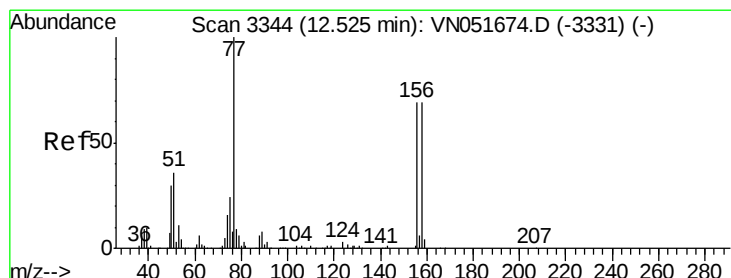
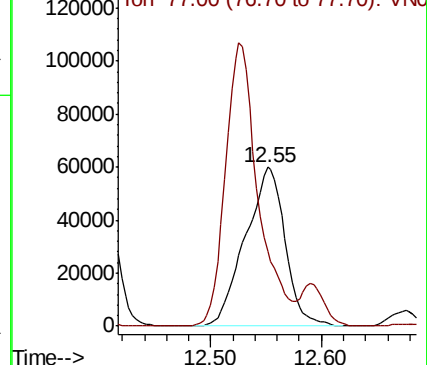
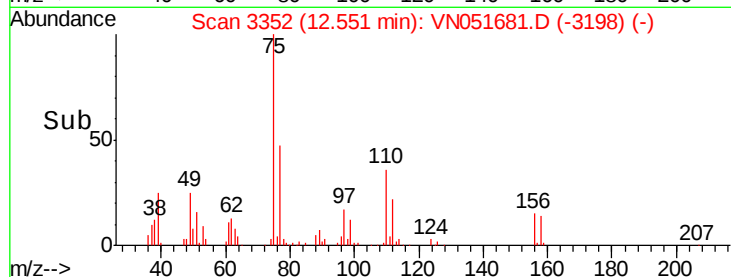
75 100

77 147.6 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN051674.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051674.D (-3348) (-)



#73

Bromobenzene

Concen: 17.354 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

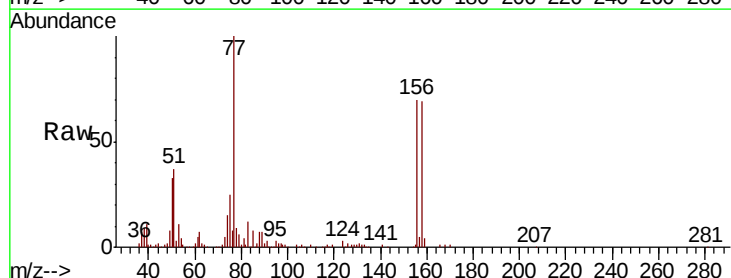
Tgt Ion: 156 Resp: 130823

Ion Ratio Lower Upper

156 100

77 168.9 0.0 377.4

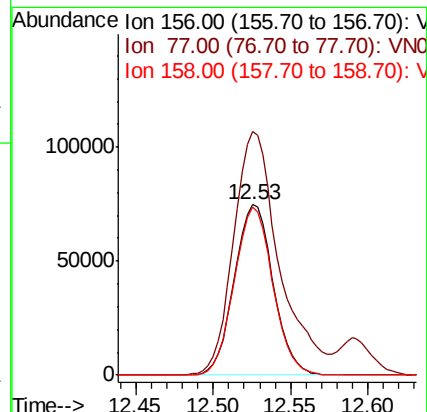
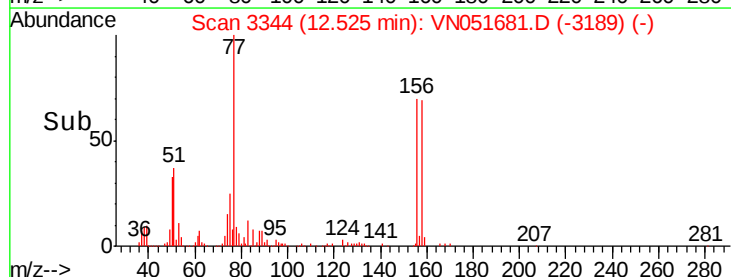
158 97.5 0.0 203.0

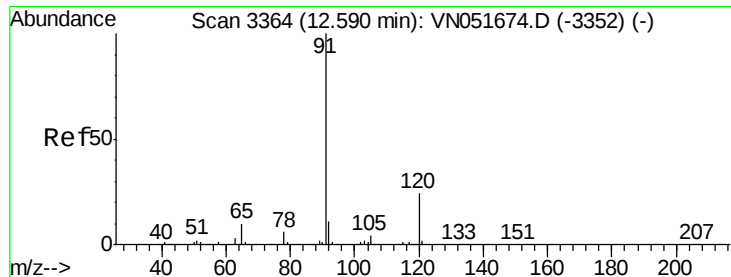


Abundance Ion 156.00 (155.70 to 156.70): VN051674.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN051674.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN051674.D (-3331) (-)





#74

n-propylbenzene

Concen: 17.654 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampled :

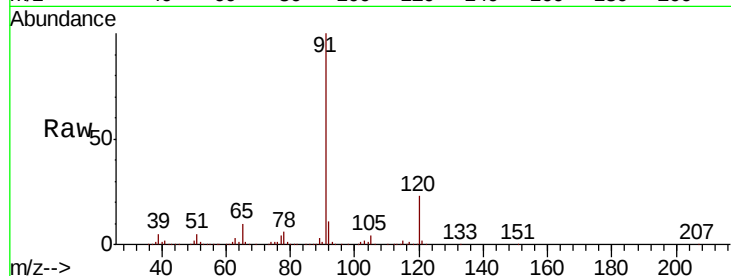
VN1005WBS01

Tot Ion: 91 Resp: 609116

Ion Ratio Lower Upper

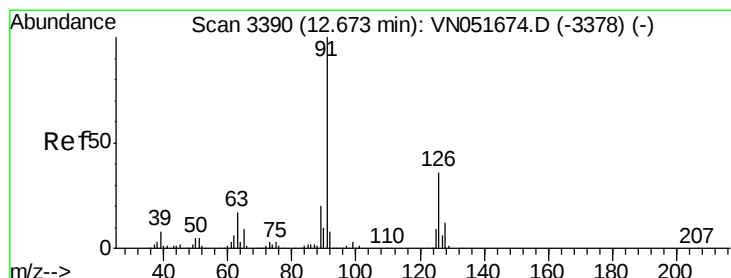
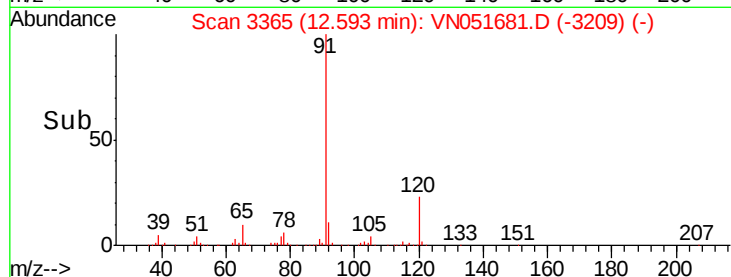
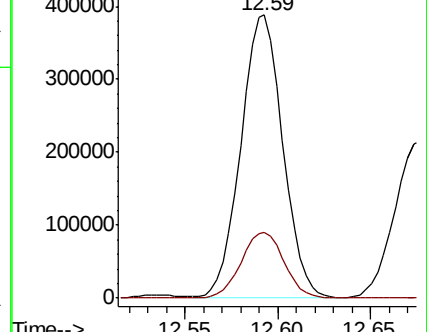
91 100

120 23.8 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 17.558 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051681.D

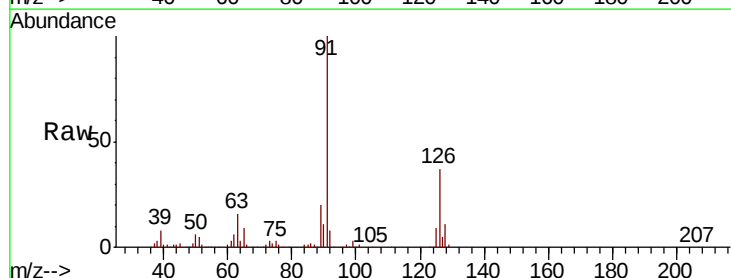
Acq: 5 Oct 2018 12:49

Tgt Ion: 91 Resp: 353968

Ion Ratio Lower Upper

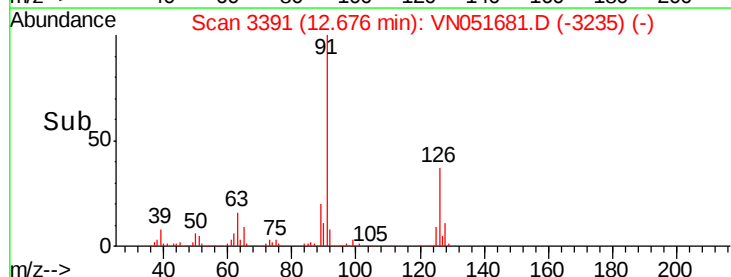
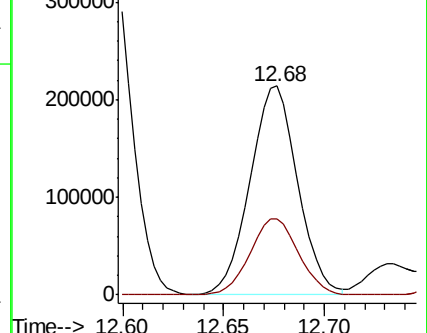
91 100

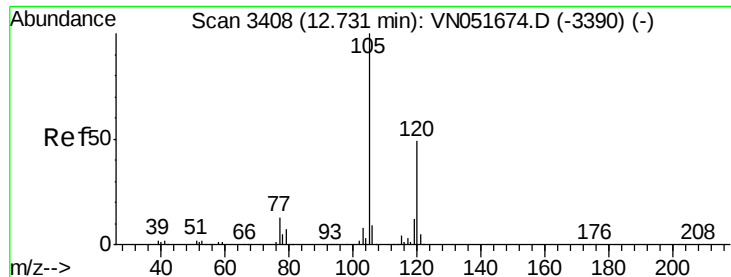
126 37.4 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#76

1,3,5-Trimethylbenzene

Concen: 17.576 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

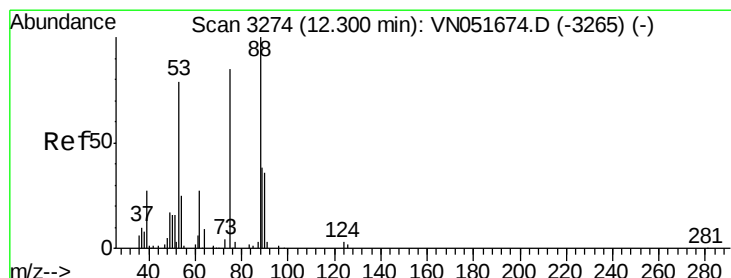
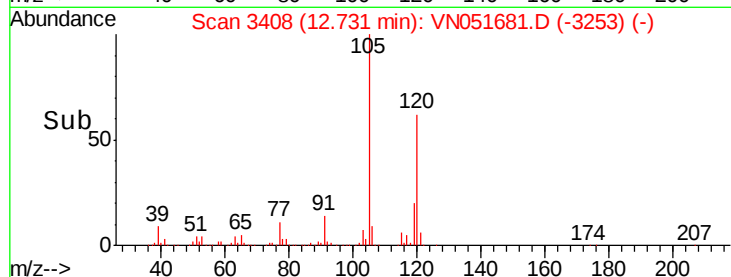
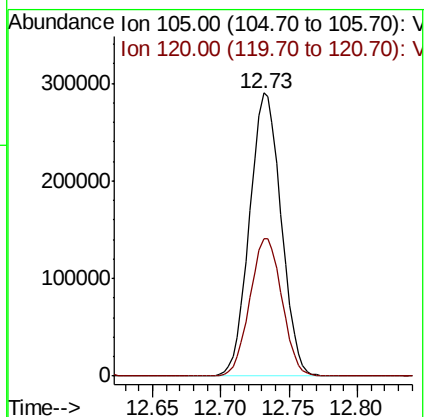
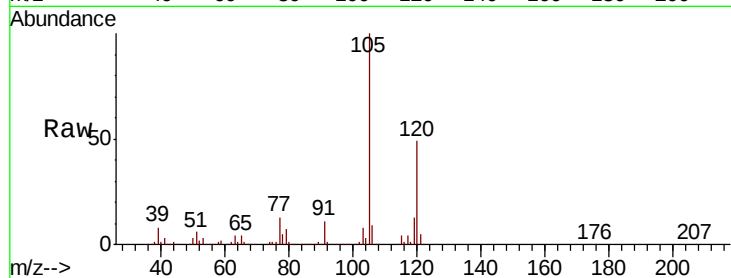
VN1005WBS01

Tot Ion:105 Resp: 467438

Ion Ratio Lower Upper

105 100

120 49.3 0.0 98.2



#77

t-1,4-Dichloro-2-butene

Concen: 17.711 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

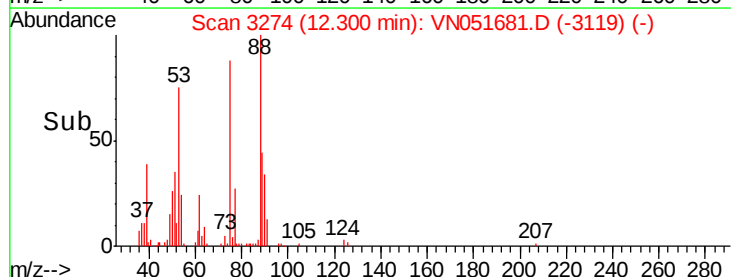
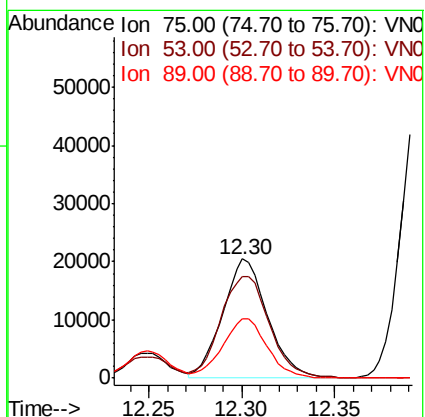
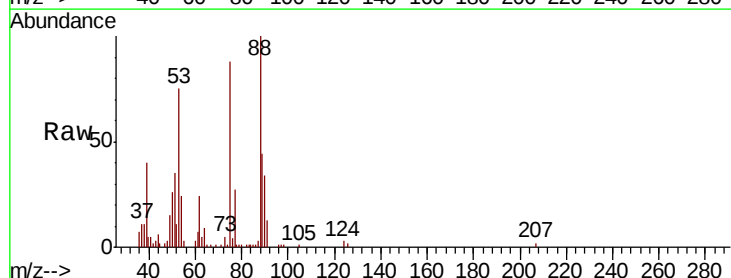
Tgt Ion: 75 Resp: 34480

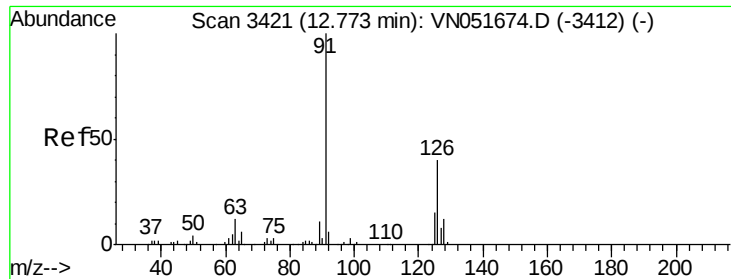
Ion Ratio Lower Upper

75 100

53 84.1 46.3 138.9

89 49.6 24.6 73.8

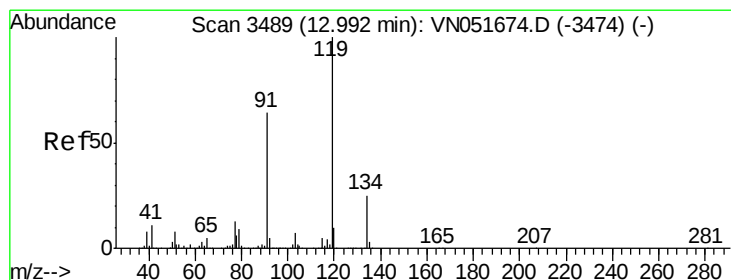
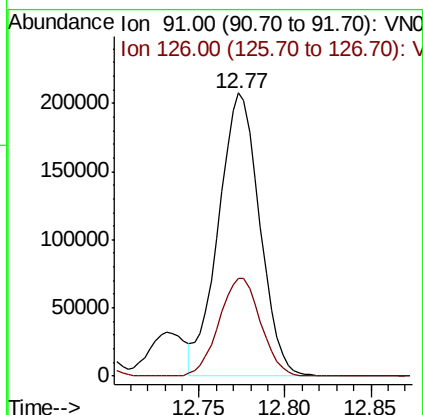
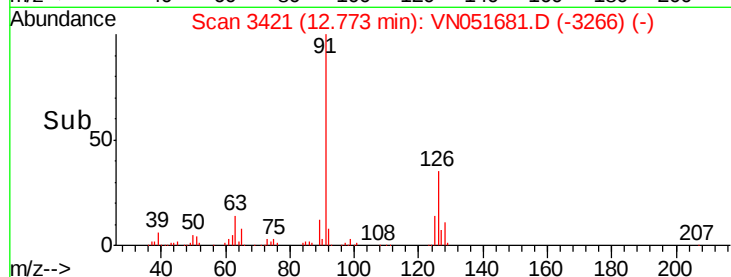
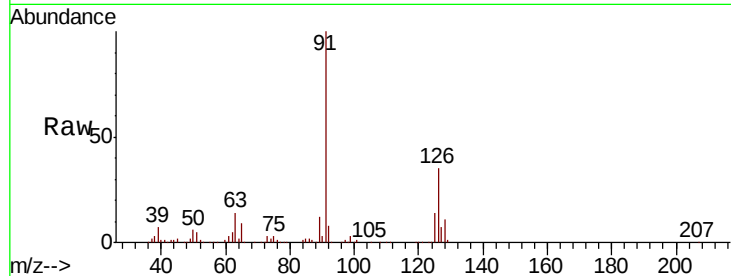




#78
4-Chlorotoluene
Concen: 17.202 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

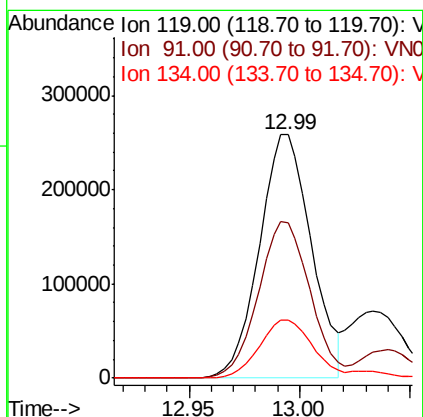
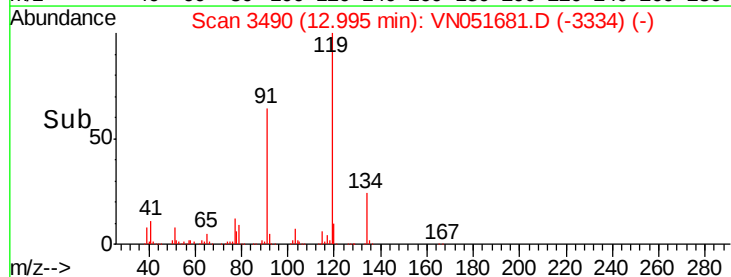
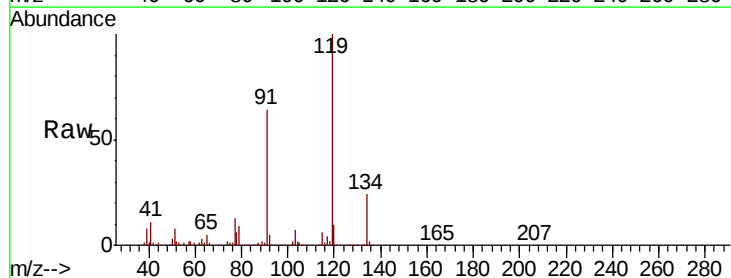
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

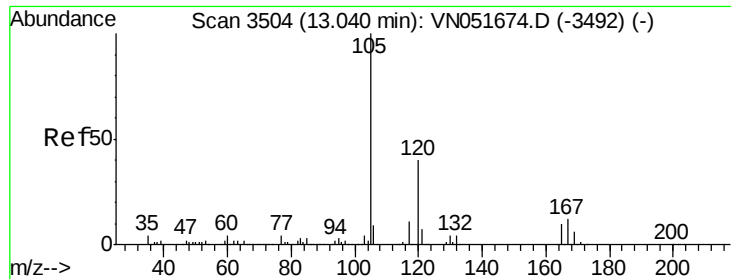
Tot Ion: 91 Resp: 347555
Ion Ratio Lower Upper
91 100
126 35.0 0.0 65.2



#79
tert-butylbenzene
Concen: 17.701 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion: 119 Resp: 423421
Ion Ratio Lower Upper
119 100
91 63.8 0.0 131.6
134 24.1 0.0 46.2

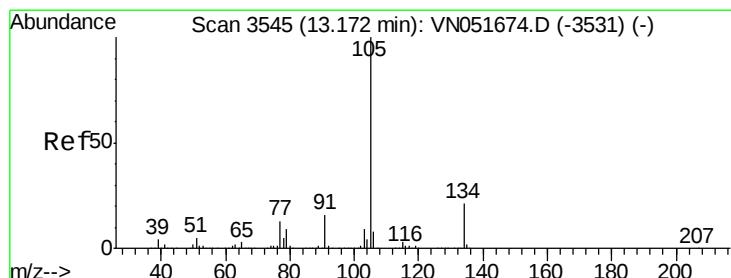
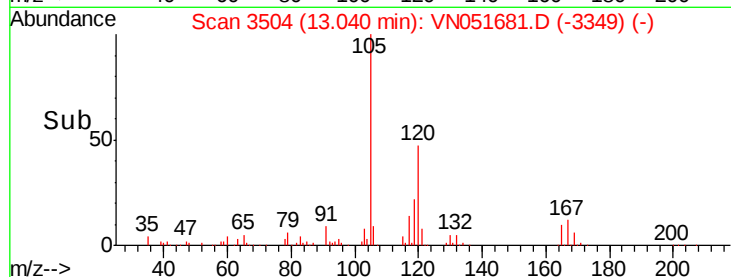
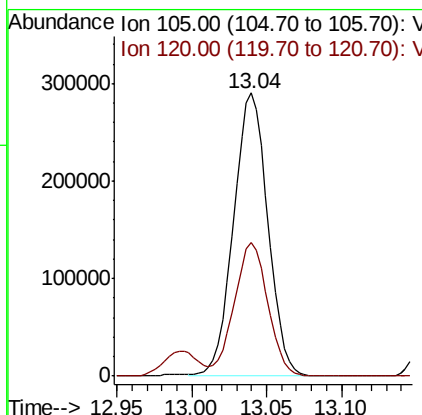
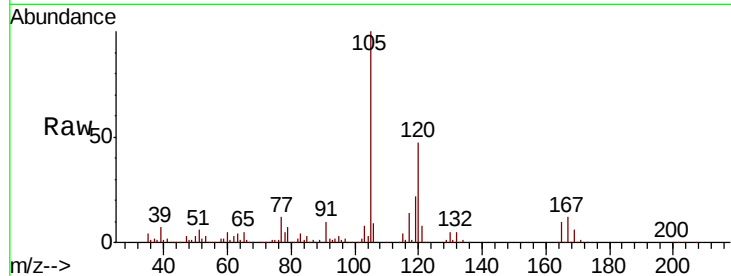




#80
 1,2,4-Trimethylbenzene
 Concen: 17.497 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

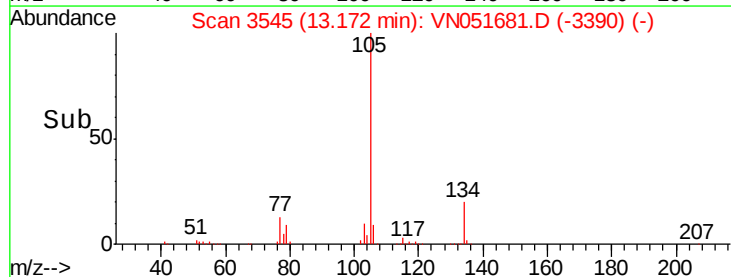
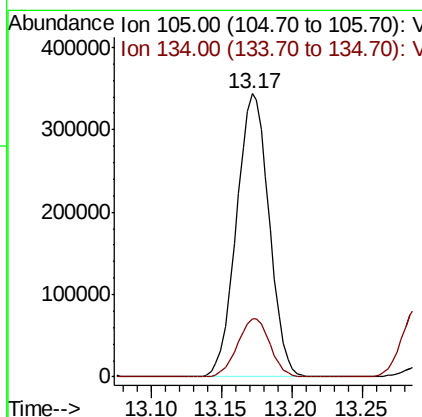
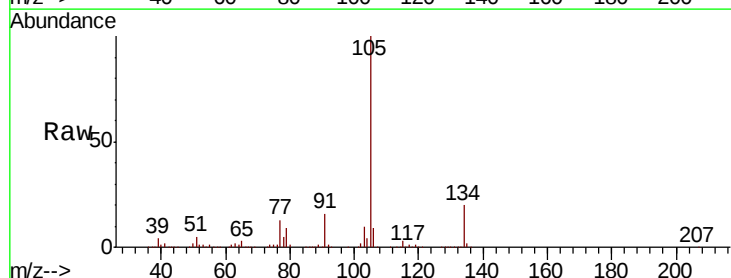
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

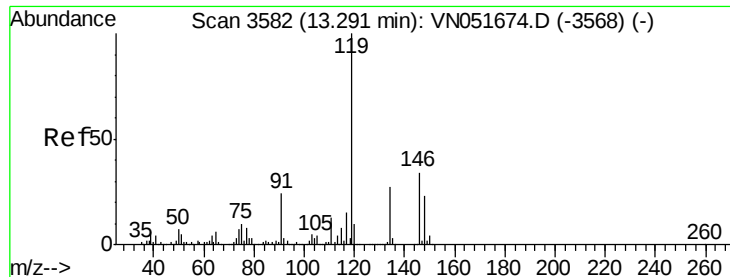
Tot Ion:105 Resp: 462871
 Ion Ratio Lower Upper
 105 100
 120 46.3 0.0 89.6



#81
 sec-Butylbenzene
 Concen: 17.398 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion:105 Resp: 556717
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 39.4

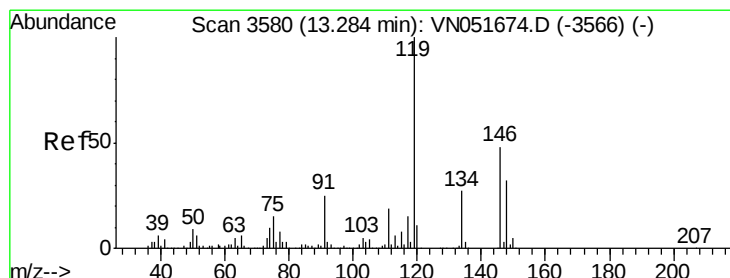
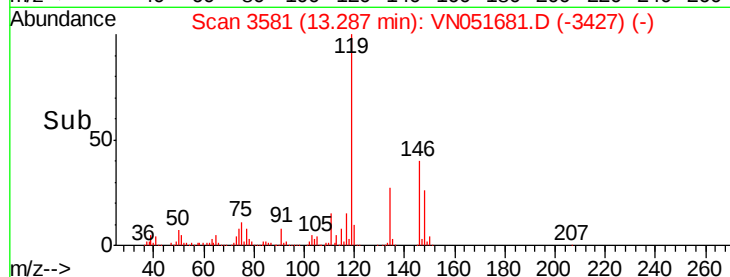
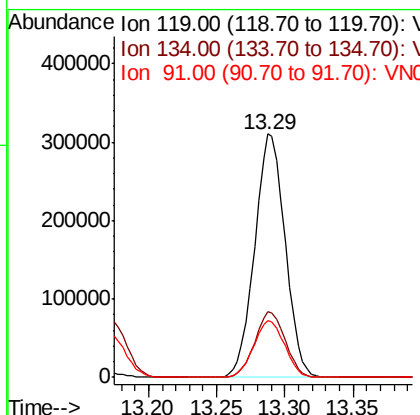
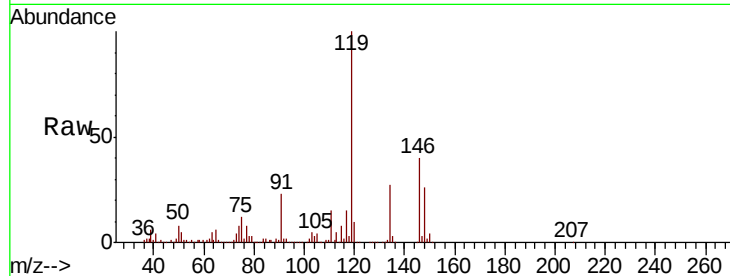




#82
 p-Isopropyltoluene
 Concen: 17.067 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

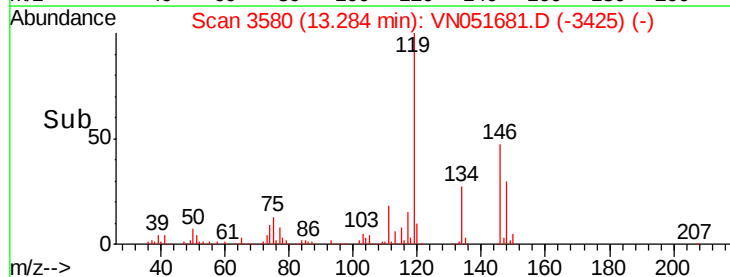
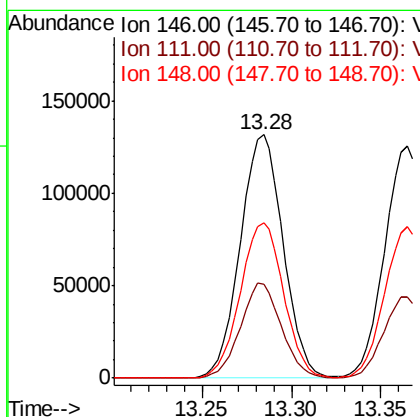
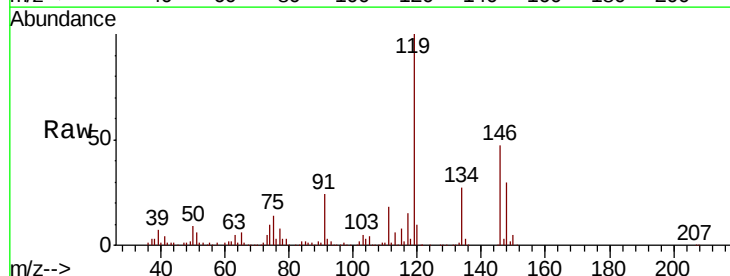
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

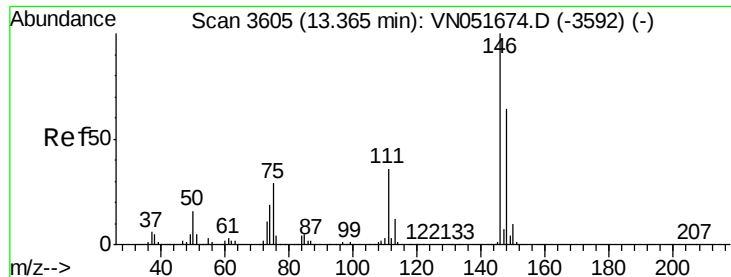
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	53.6
91	23.8	0.0	52.0



#83
 1,3-Dichlorobenzene
 Concen: 16.442 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.3
148	64.4	31.3	93.8





#84

1,4-Dichlorobenzene

Concen: 15.968 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

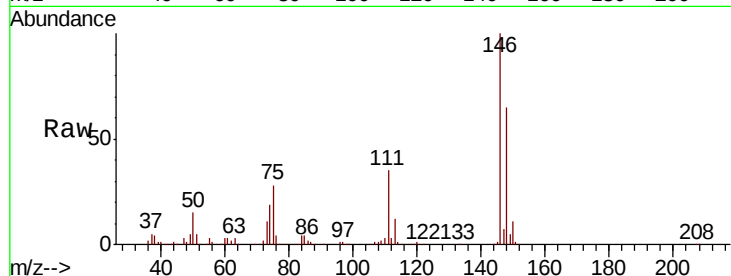
Tot Ion:146 Resp: 205700

Ion Ratio Lower Upper

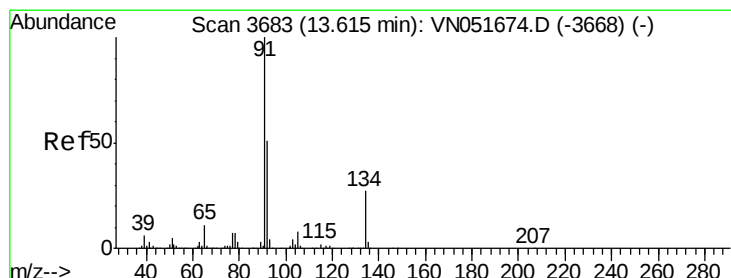
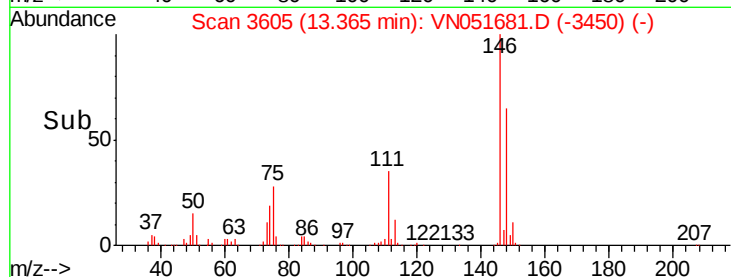
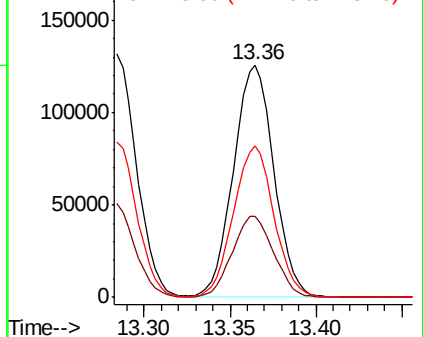
146 100

111 35.4 17.4 52.2

148 65.2 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 16.392 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

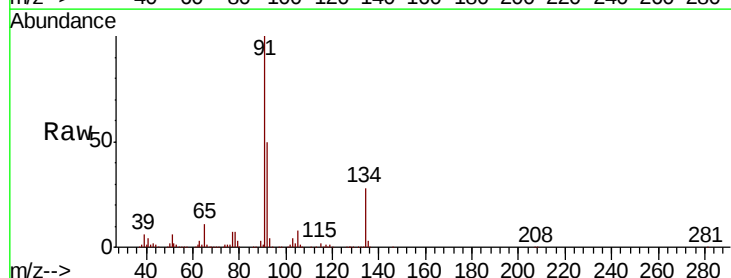
Tgt Ion: 91 Resp: 365246

Ion Ratio Lower Upper

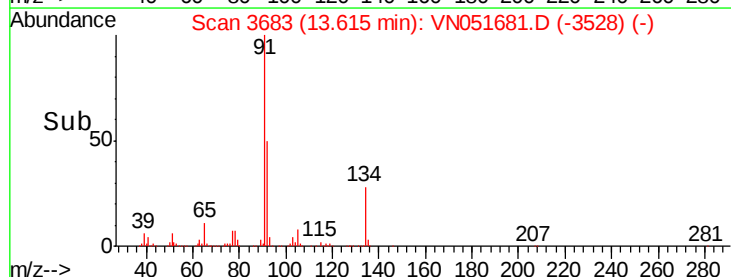
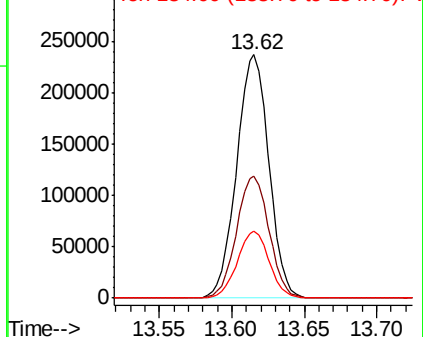
91 100

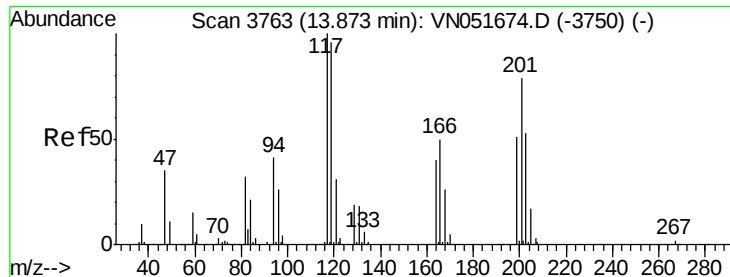
92 50.4 0.0 97.4

134 27.2 0.0 49.6



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 17.920 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

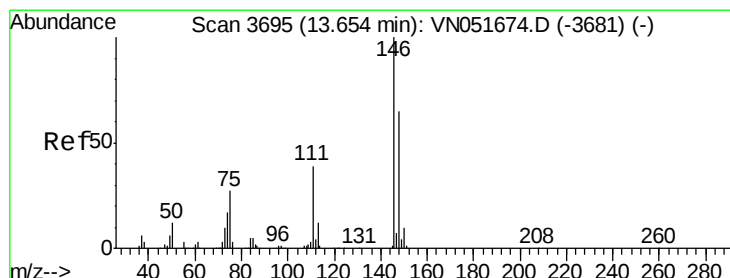
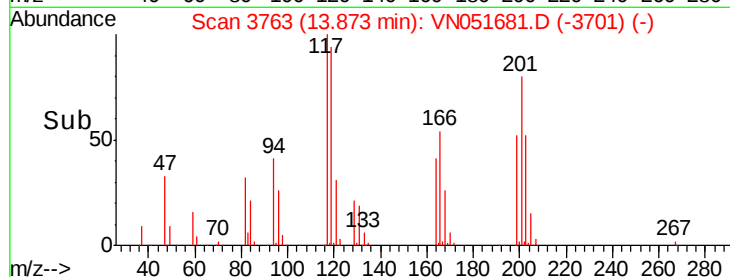
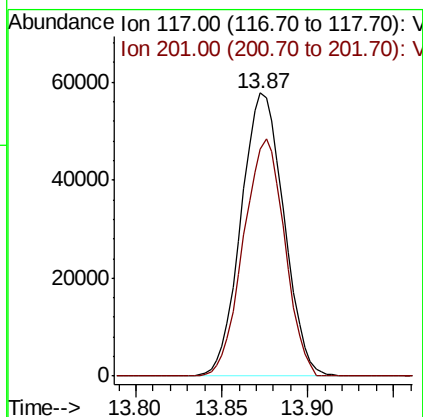
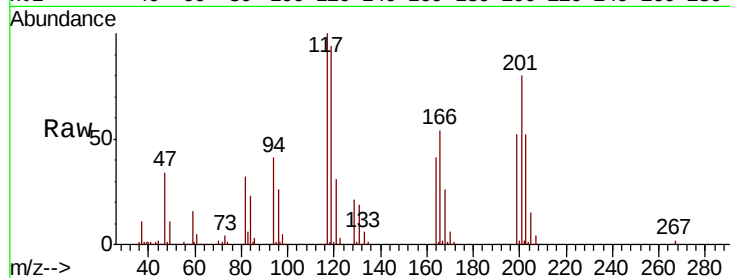
VN1005WBS01

Tot Ion:117 Resp: 99950

Ion Ratio Lower Upper

117 100

201 80.6 47.8 143.3



#87

1,2-Dichlorobenzene

Concen: 16.906 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

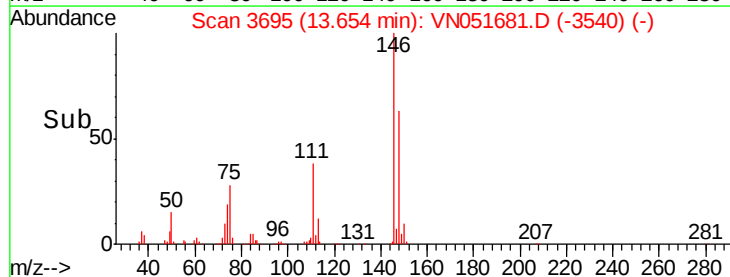
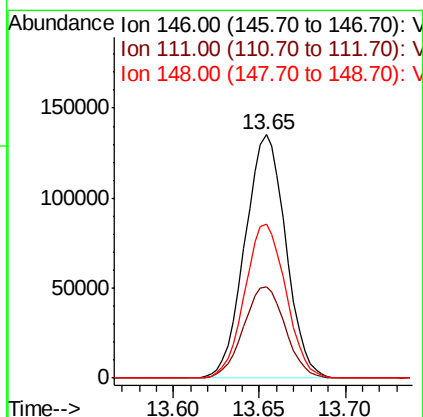
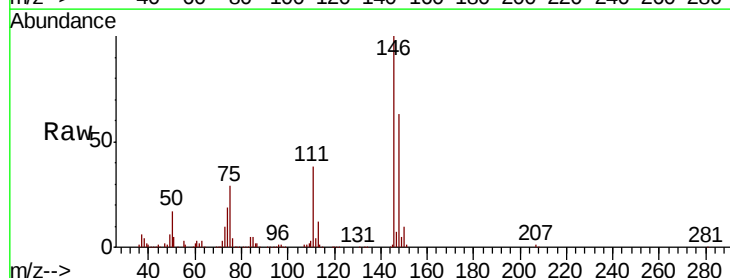
Tgt Ion:146 Resp: 223334

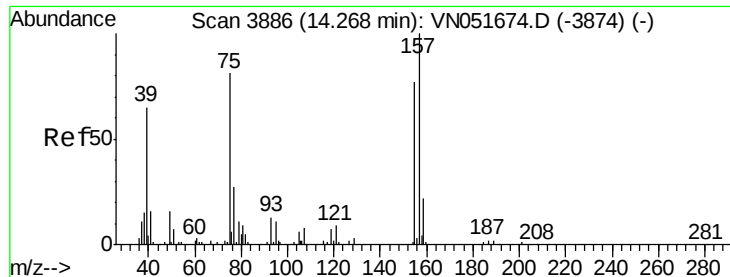
Ion Ratio Lower Upper

146 100

111 38.3 20.8 62.2

148 63.6 33.2 99.6





#88

1,2-Dibromo-3-Chloropropane

Concen: 18.216 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

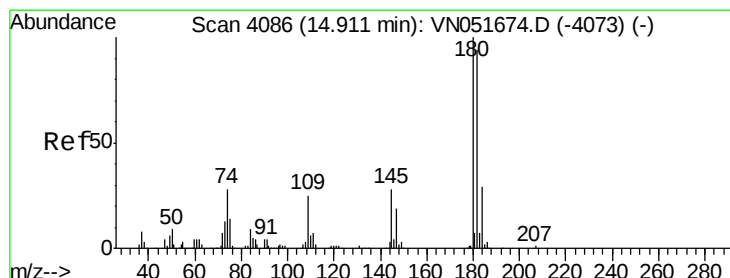
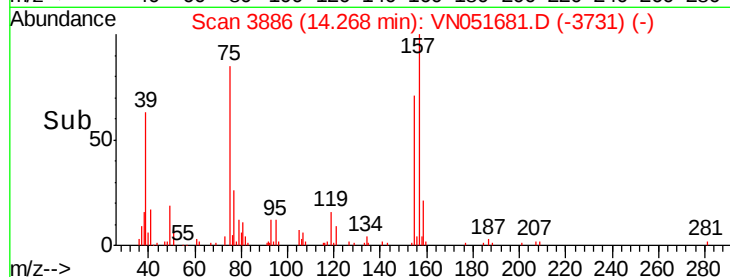
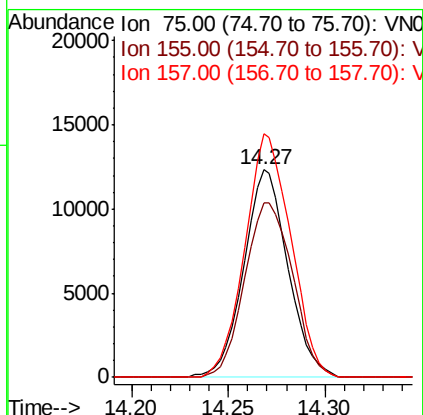
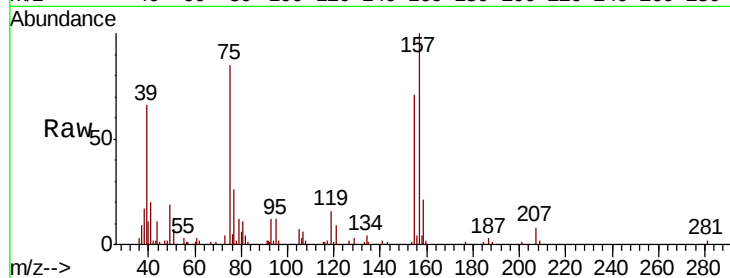
Tot Ion: 75 Resp: 19633

Ion Ratio Lower Upper

75 100

155 91.1 57.0 85.6#

157 121.6 87.4 131.0



#89

1,2,4-Trichlorobenzene

Concen: 17.047 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

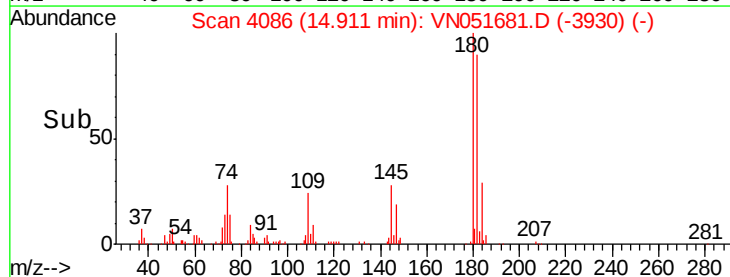
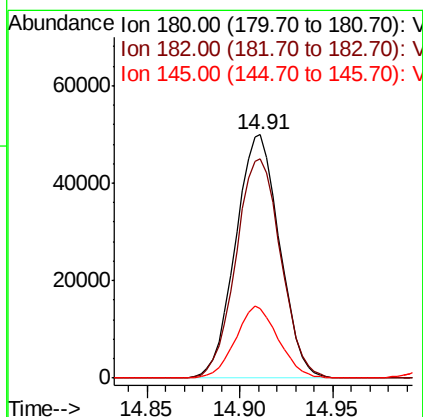
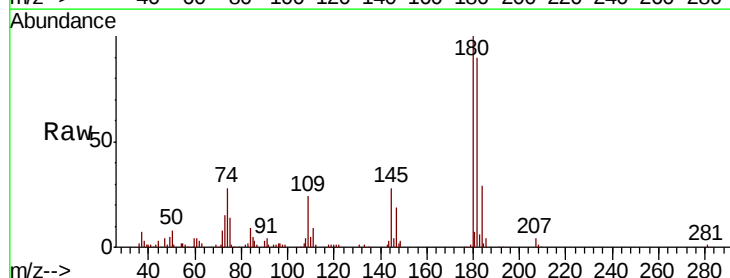
Tgt Ion: 180 Resp: 82124

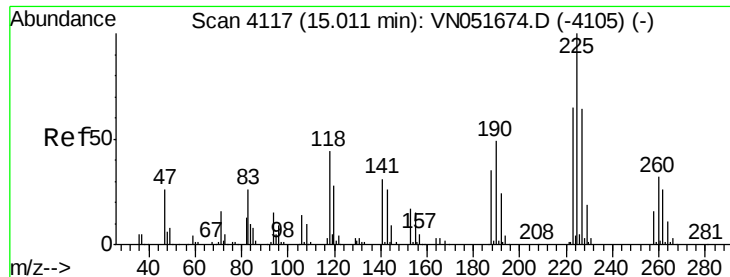
Ion Ratio Lower Upper

180 100

182 92.1 77.7 116.5

145 28.8 23.4 35.2





#90

Hexachlorobutadiene

Concen: 17.245 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

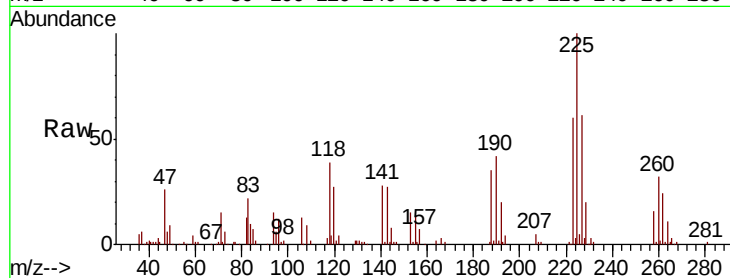
Tot Ion:225 Resp: 69321

Ion Ratio Lower Upper

225 100

223 61.8 0.0 117.0

227 64.7 0.0 127.0

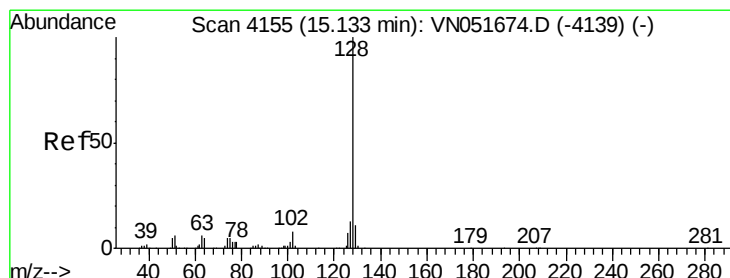
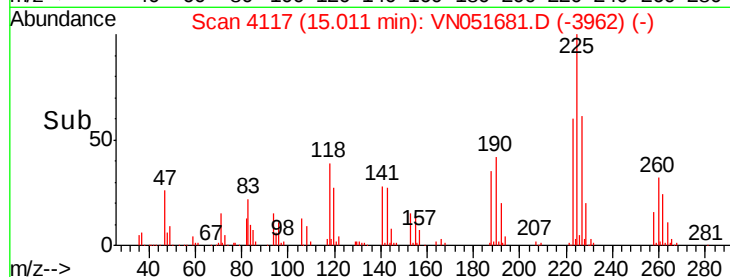
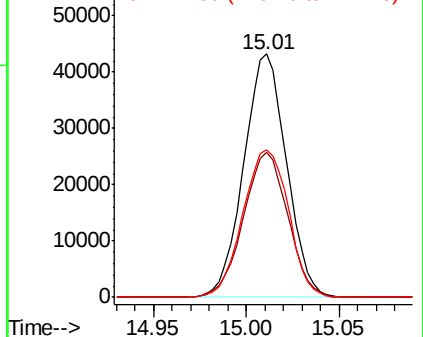


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 13.877 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

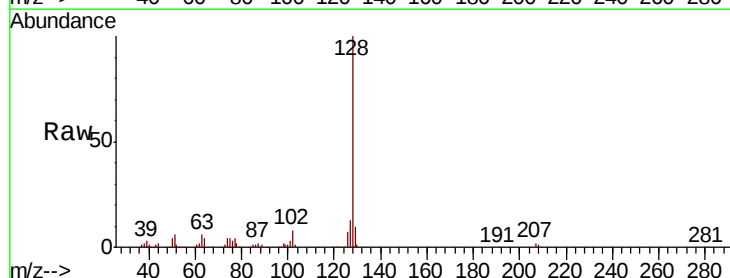
Tgt Ion:128 Resp: 173098

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 10.3 8.4 12.6

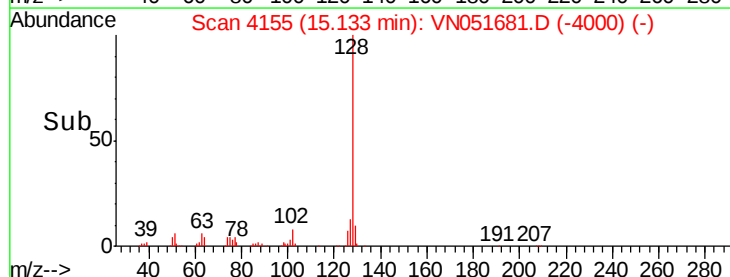
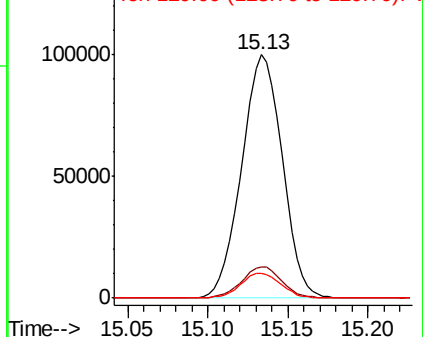


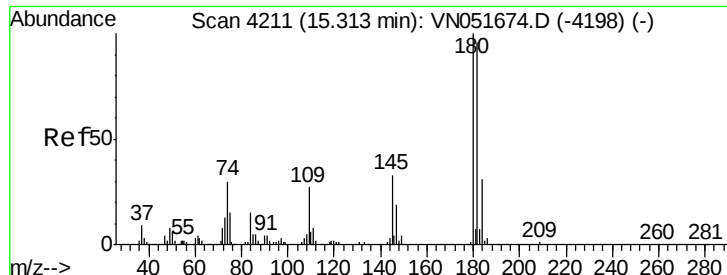
Abundance

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

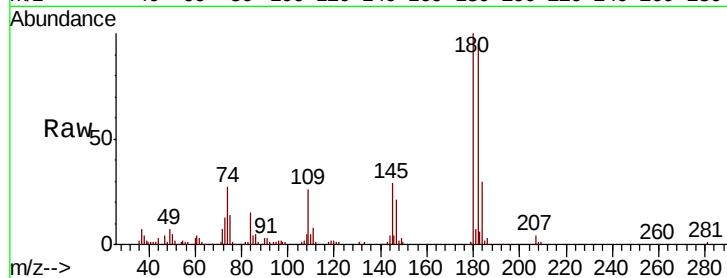




#92
 1,2,3-Trichlorobenzene
 Concen: 15.561 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	0.0	198.0
145	31.3	0.0	36.8



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

