

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051748.D
 Acq On : 9 Oct 2018 13:42
 Operator : MD\SY
 Sample : VN1009WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Quant Time: Oct 10 03:28:15 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	116393	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	682159	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	611173	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	239607	29.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.87%
60) 4-Bromofluorobenzene	12.40	95	269165	28.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.20%
63) Toluene-d8	10.09	98	817051	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	164055	24.163	ug/l 97
3) Chloromethane	2.06	50	141480	21.227	ug/l 96
4) Vinyl Chloride	2.18	62	219359	21.638	ug/l 98
5) Bromomethane	2.57	94	172351	21.871	ug/l 88
6) Chloroethane	2.70	64	153282	22.558	ug/l 98
7) Trichlorofluoromethane	3.01	101	262942	22.648	ug/l 97
8) Diethyl Ether	3.41	74	72433	23.357	ug/l 82
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136432	22.915	ug/l # 36
10) 1,1-Dichloroethene	3.74	96	123179	22.671	ug/l 90
11) Methyl Iodide	3.95	142	170212	24.402	ug/l 96
12) Methyl Acetate	4.33	43	100218	23.374	ug/l 95
13) Acrolein	3.61	56	32382	102.734	ug/l 94
14) Acrylonitrile	4.99	53	196702	112.364	ug/l # 60
15) Acetone	3.82	58	46434	110.991	ug/l 82
16) Carbon Disulfide	4.05	76	318528	20.496	ug/l 99
17) Allyl chloride	4.33	41	167172	21.096	ug/l 78
18) Methylene Chloride	4.55	84	143388	23.392	ug/l 92
19) trans-1,2-Dichloroethene	5.04	96	137284	22.352	ug/l 87
20) Diisopropyl ether	5.96	45	374209	21.025	ug/l # 87
21) 1,1-Dichloroethane	5.85	63	243397	21.912	ug/l # 95
22) cis-1,2-Dichloroethene	6.83	96	162488	22.486	ug/l 87
23) tert-Butyl Alcohol	4.80	59	56470	124.883	ug/l # 100
25) Chloroform	7.37	83	281893	22.444	ug/l 95
26) Cyclohexane	7.66	56	204853	21.703	ug/l # 77
29) 1,1-Dichloropropene	7.79	75	198463	21.890	ug/l 97
30) 2-Butanone	6.84	43	230003	104.165	ug/l # 91
31) 2,2-Dichloropropane	6.83	77	235478	20.848	ug/l # 79
32) 1,1,1-Trichloroethane	7.57	97	265631	21.787	ug/l 96
33) Carbon Tetrachloride	7.77	117	241078	21.810	ug/l 91
34) Benzene	8.04	78	596729	21.758	ug/l # 69
35) Methacrylonitrile	7.17	41	43392	17.807	ug/l 75
36) 1,2-Dichloroethane	8.13	62	201577	21.960	ug/l 98
37) Trichloroethene	8.84	130	169843	22.271	ug/l 99
38) Methylcyclohexane	9.08	83	251335	21.891	ug/l 82
39) 1,2-Dichloropropane	9.12	63	147290	21.926	ug/l 98
40) Dibromomethane	9.21	93	103849	22.346	ug/l 97
41) Bromodichloromethane	9.40	83	223660	21.566	ug/l 93

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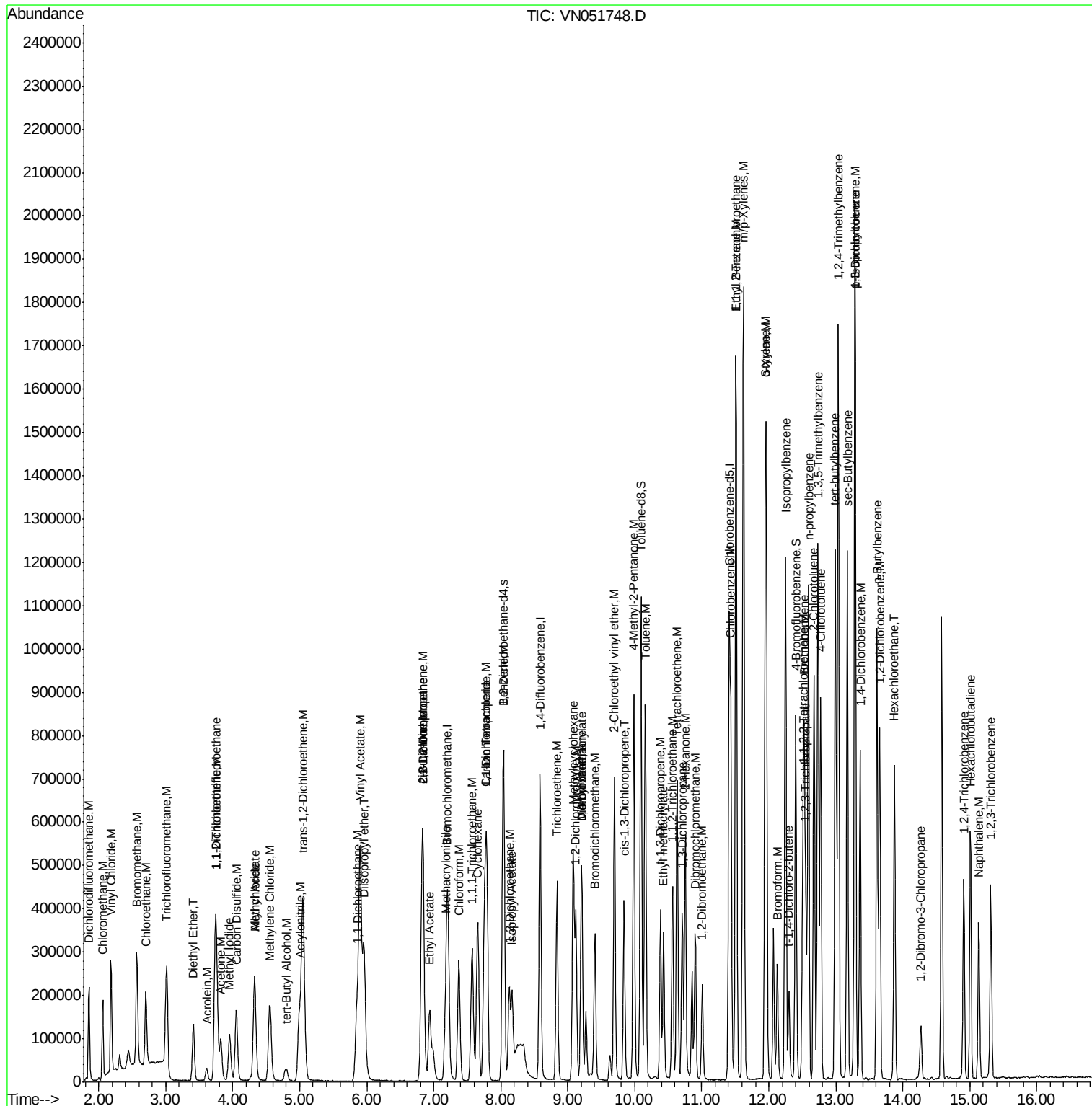
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.90	43	1369275	105.244	ug/l #	93
43) Ethyl Acetate	6.93	43	109934	23.661	ug/l	97
44) Isopropyl Acetate	8.17	43	261704	25.468	ug/l #	90
45) 1,4-Dioxane	9.20	88	29626	456.309	ug/l #	81
46) Methyl methacrylate	9.20	41	104026	22.708	ug/l	83
48) t-1,3-Dichloropropene	10.38	75	217144	20.696	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	234261	20.716	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	146705	22.384	ug/l	95
51) Ethyl methacrylate	10.43	69	179836	21.575	ug/l	87
52) 1,3-Dichloropropane	10.71	76	228174	21.861	ug/l	99
53) Dibromochloromethane	10.90	129	179189	20.815	ug/l	96
54) 1,2-Dibromoethane	11.01	107	149661	21.767	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	318445	92.218	ug/l #	95
56) Bromoform	12.13	173	122373	19.829	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	569218	113.435	ug/l #	92
59) 2-Hexanone	10.75	43	364372	107.278	ug/l	93
61) Tetrachloroethene	10.63	164	163965	22.772	ug/l	98
62) Toluene	10.16	91	694510	22.433	ug/l	99
64) Chlorobenzene	11.44	112	451886	22.741	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	180102	22.269	ug/l	99
66) Ethyl Benzene	11.51	91	778063	22.341	ug/l	98
67) m/p-Xylenes	11.62	106	626247	44.958	ug/l	99
68) o-Xylene	11.95	106	311849	22.699	ug/l	91
69) Styrene	11.96	104	486575	22.197	ug/l	98
70) Isopropylbenzene	12.25	105	842442	22.820	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	179241	23.249	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	213381	34.695	ug/l	69
73) Bromobenzene	12.53	156	196890	22.175	ug/l	88
74) n-propylbenzene	12.59	91	912530	22.454	ug/l	96
75) 2-Chlorotoluene	12.67	91	531297	22.374	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	710330	22.676	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	47287	20.622	ug/l	94
78) 4-Chlorotoluene	12.77	91	529488	22.250	ug/l	94
79) tert-butylbenzene	12.99	119	646687	22.953	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	720505	23.124	ug/l	99
81) sec-Butylbenzene	13.17	105	864973	22.950	ug/l	98
82) p-Isopropyltoluene	13.29	119	770397	23.202	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	362762	22.846	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	338570	22.313	ug/l	97
85) n-Butylbenzene	13.61	91	581591	22.160	ug/l	94
86) Hexachloroethane	13.88	117	136176	20.728	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	357331	22.965	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29276	23.062	ug/l #	84
89) 1,2,4-Trichlorobenzene	14.91	180	149374	22.607	ug/l	98
90) Hexachlorobutadiene	15.01	225	108903	23.001	ug/l	98
91) Naphthalene	15.13	128	314466	21.404	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	153263	22.833	ug/l	93

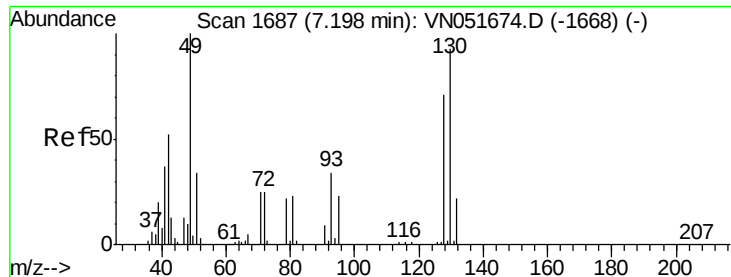
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

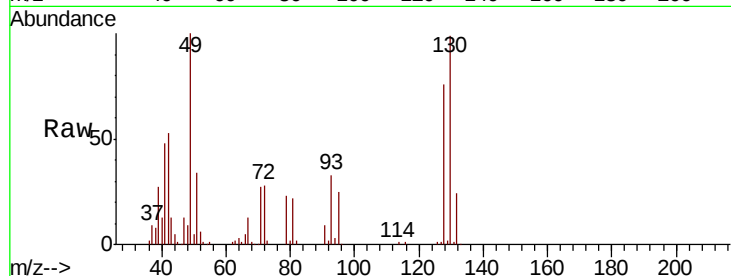
Tot Ion:128 Resp: 116393

Ion Ratio Lower Upper

128 100

49 132.5 0.0 403.3

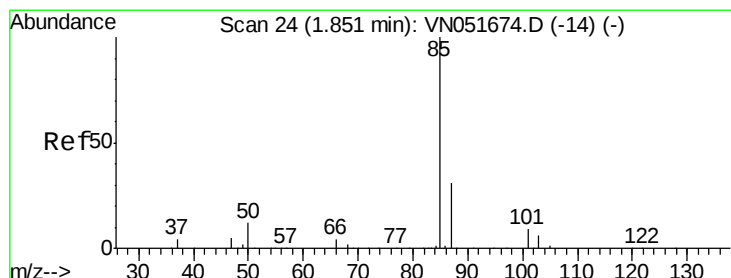
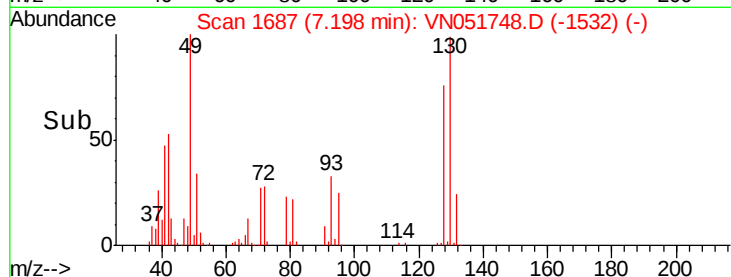
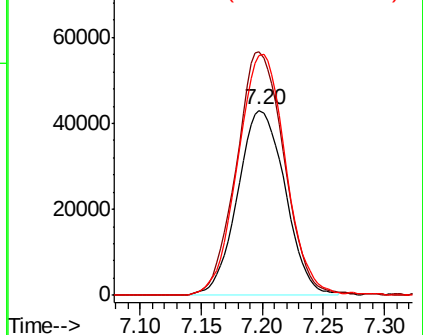
130 131.0 0.0 326.0



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: 24.163 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051748.D

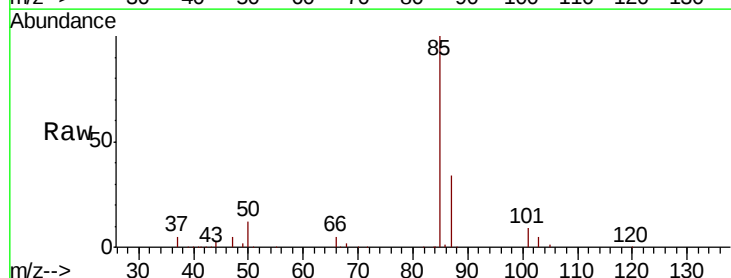
Acq: 9 Oct 2018 13:42

Tgt Ion: 85 Resp: 164055

Ion Ratio Lower Upper

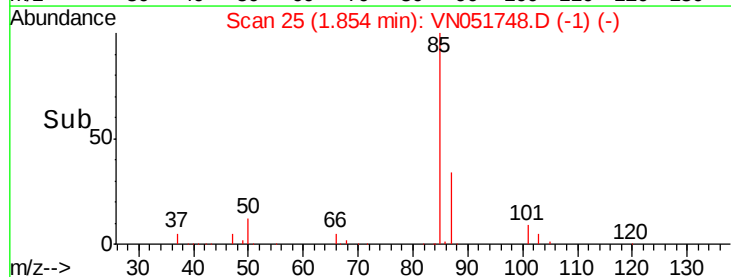
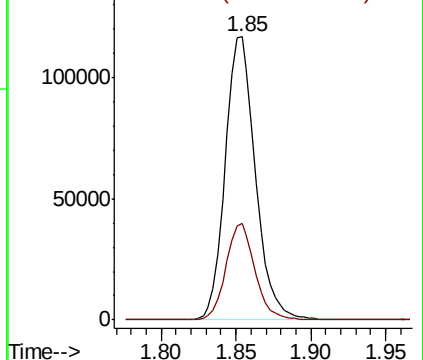
85 100

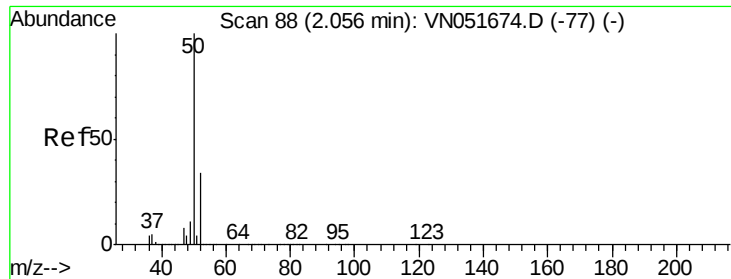
87 33.9 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 21.227 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

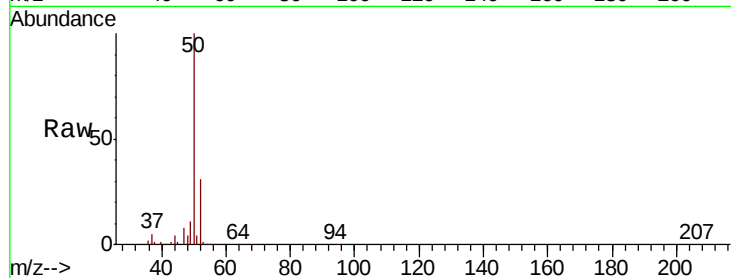
VN1009WBSD01

Tot Ion: 50 Resp: 141480

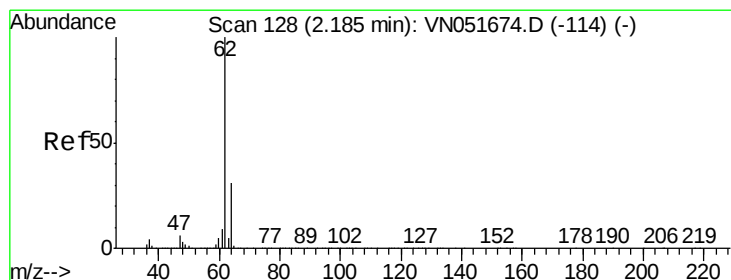
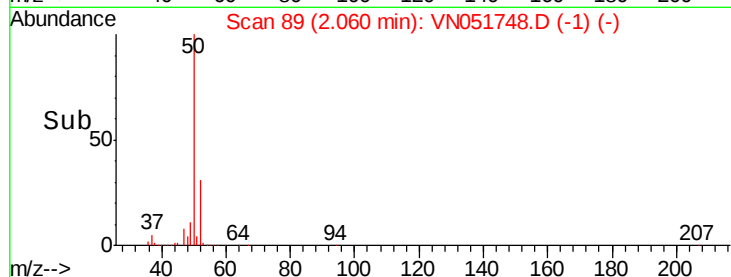
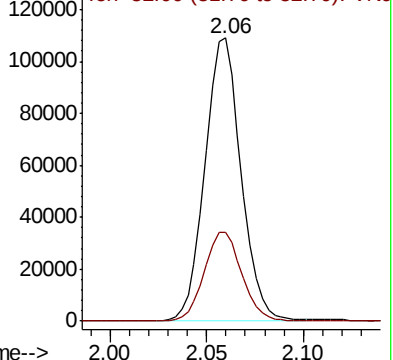
Ion Ratio Lower Upper

50 100

52 31.5 27.2 40.8



Abundance Ion 50.00 (49.70 to 50.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 21.638 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051748.D

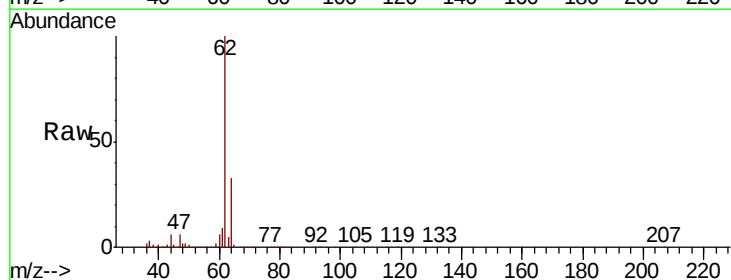
Acq: 9 Oct 2018 13:42

Tgt Ion: 62 Resp: 219359

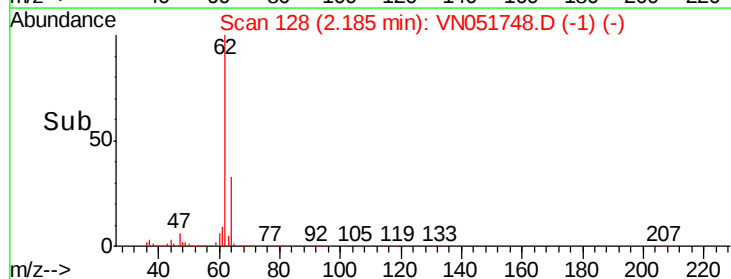
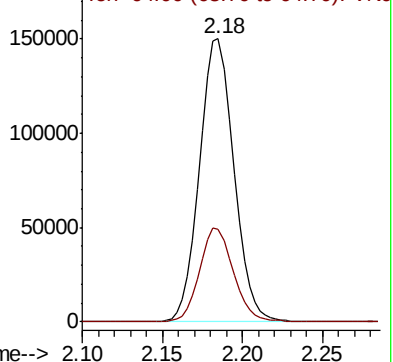
Ion Ratio Lower Upper

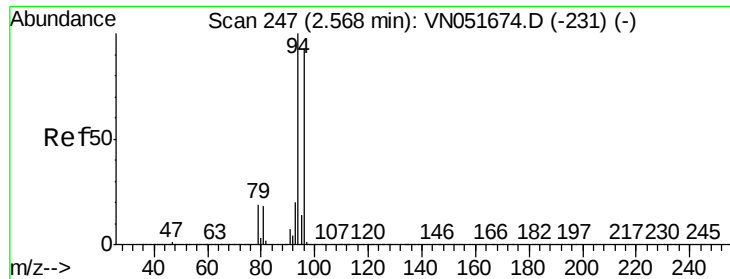
62 100

64 32.9 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 21.871 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

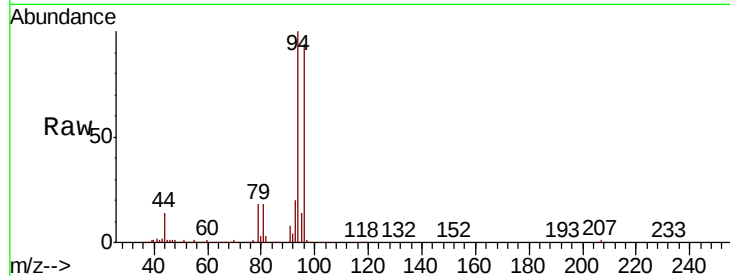
VN1009WBSD01

Tot Ion: 94 Resp: 172351

Ion Ratio Lower Upper

94 100

96 94.2 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.57

100000

80000

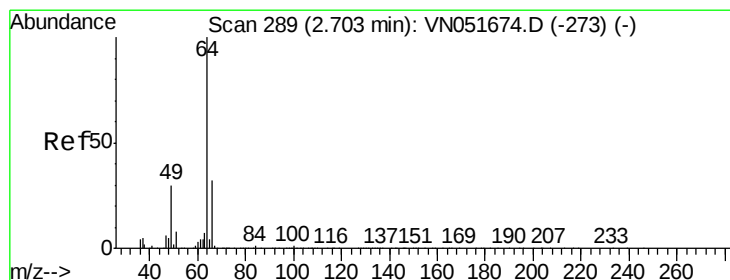
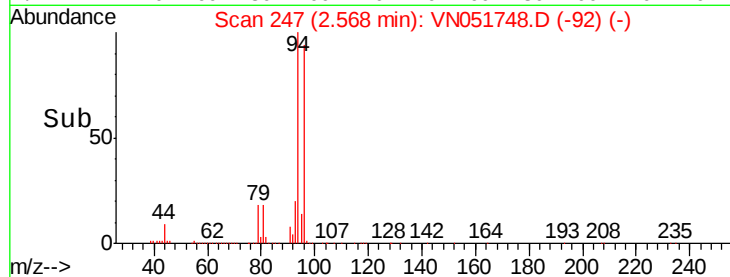
60000

40000

20000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 22.558 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051748.D

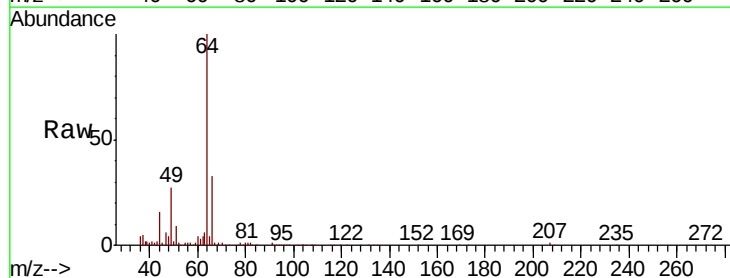
Acq: 9 Oct 2018 13:42

Tgt Ion: 64 Resp: 153282

Ion Ratio Lower Upper

64 100

66 33.2 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.70

80000

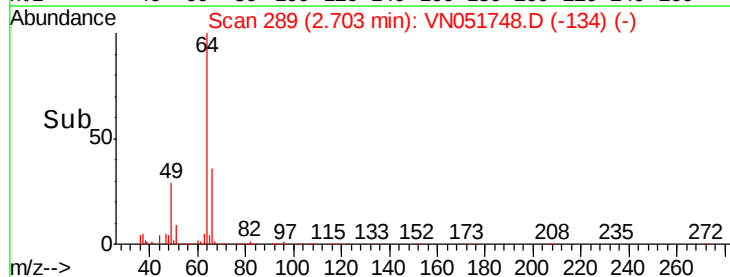
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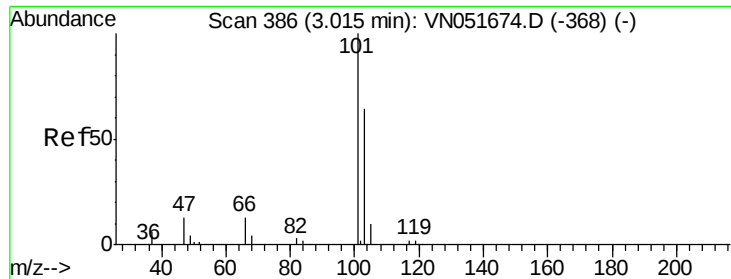
40000

20000

0

Time--> 2.60 2.65 2.70 2.75 2.80



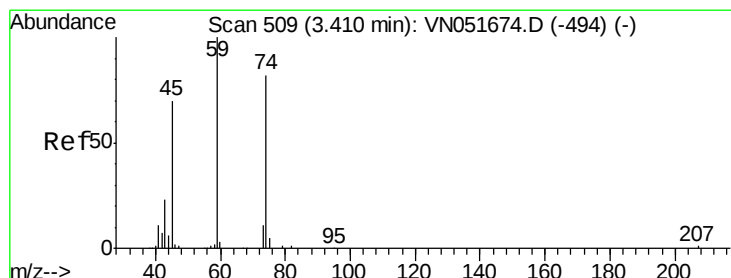
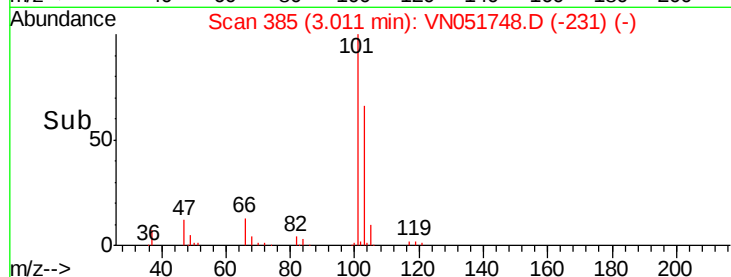
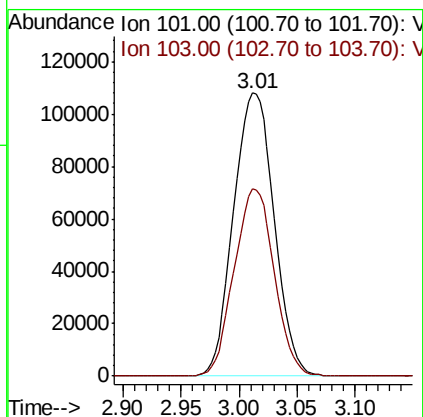
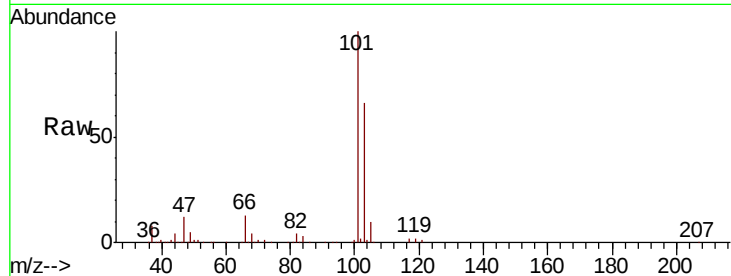


#7

Trichlorofluoromethane
 Concen: 22.648 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Instrument :
 MSVOA_N
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 VN1009WBSD01

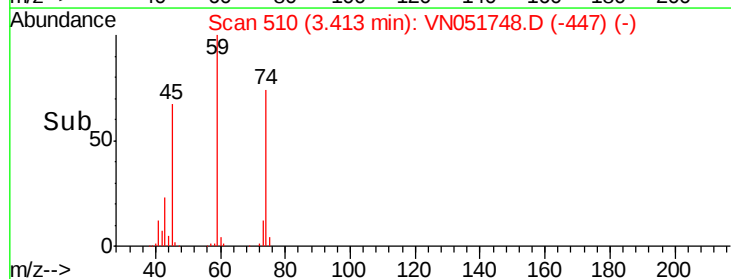
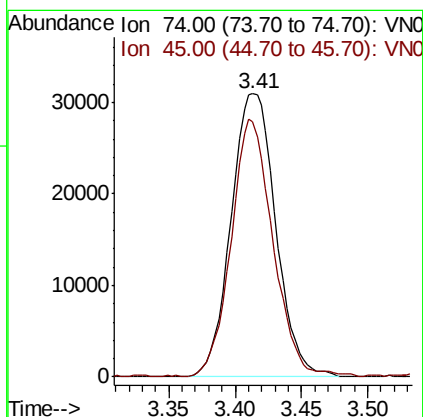
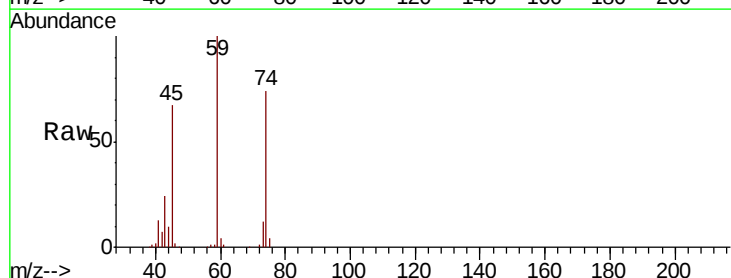
Tot Ion:101 Resp: 262942
 Ion Ratio Lower Upper
 101 100
 103 66.3 54.8 82.2

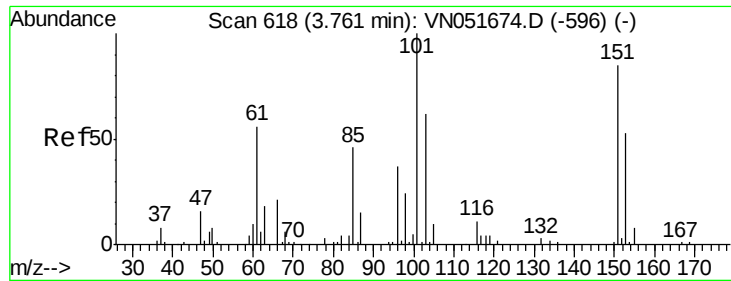


#8

Diethyl Ether
 Concen: 23.357 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion: 74 Resp: 72433
 Ion Ratio Lower Upper
 74 100
 45 85.3 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.915 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

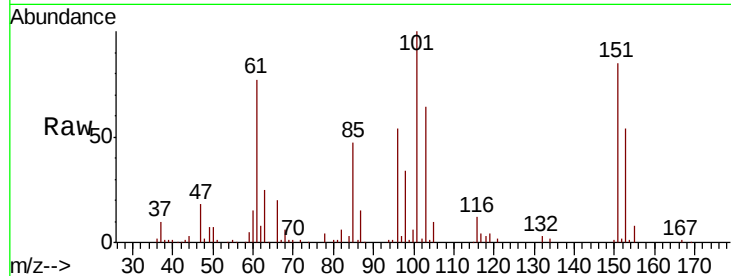
Tot Ion:101 Resp: 136432

Ion Ratio Lower Upper

101 100

85 45.8 0.0 46.0

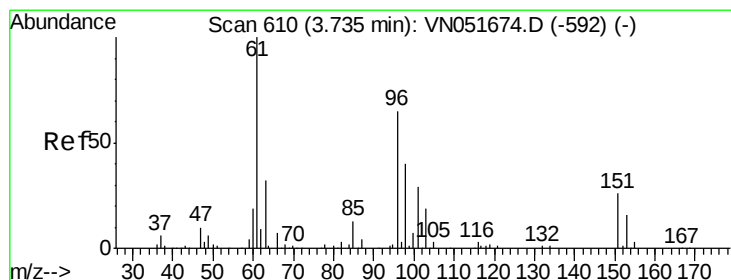
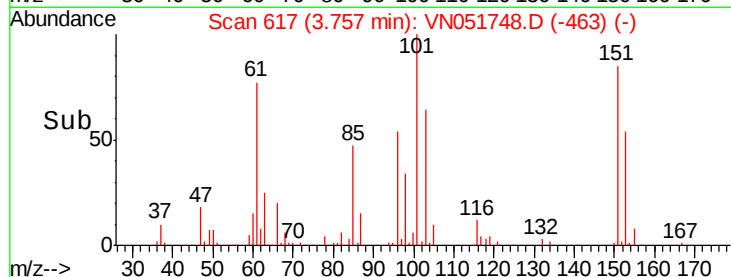
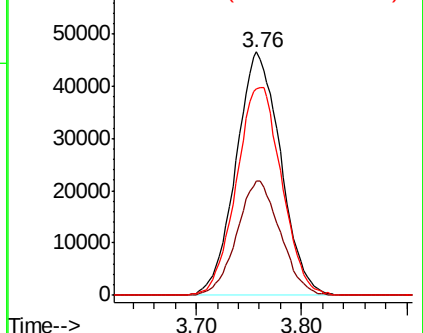
151 87.1 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 22.671 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

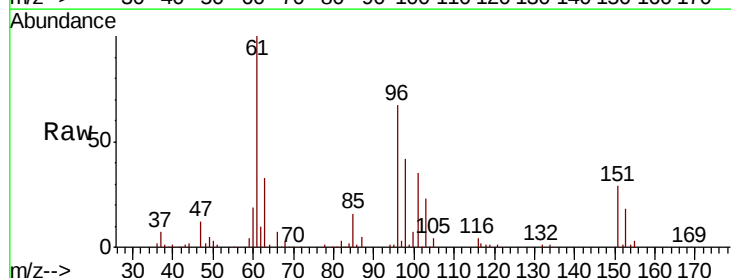
Tgt Ion: 96 Resp: 123179

Ion Ratio Lower Upper

96 100

61 149.6 133.0 199.6

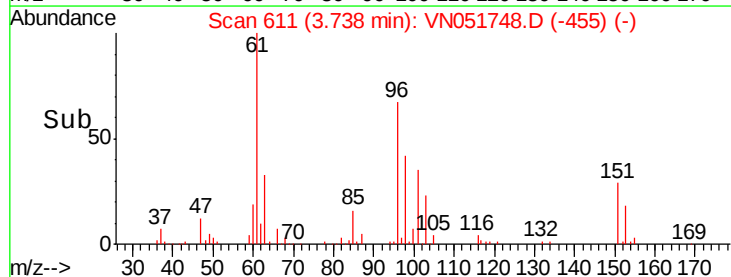
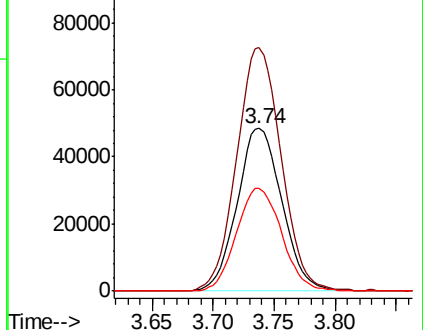
98 63.4 52.6 78.8

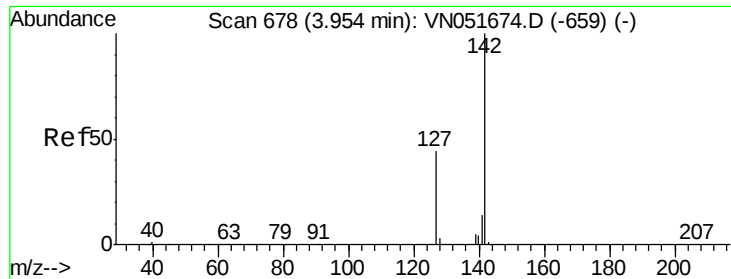


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

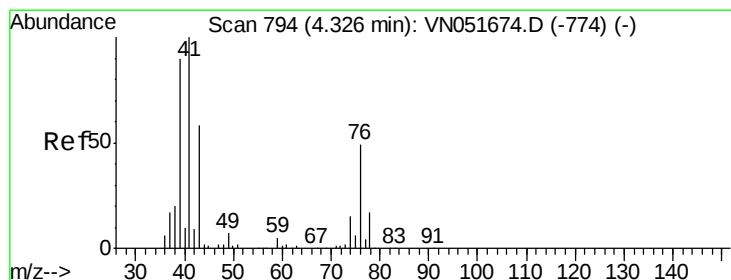
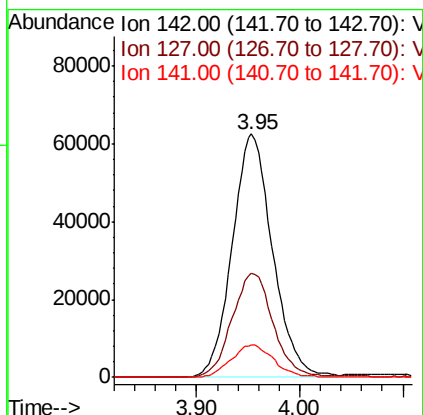
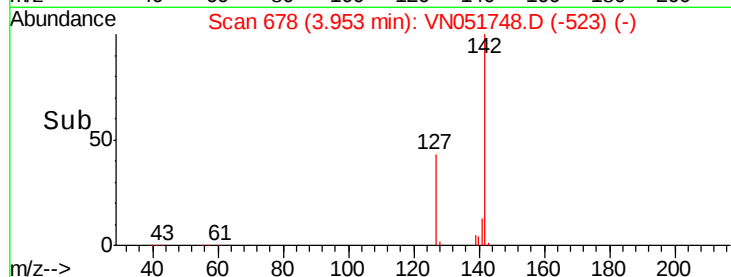
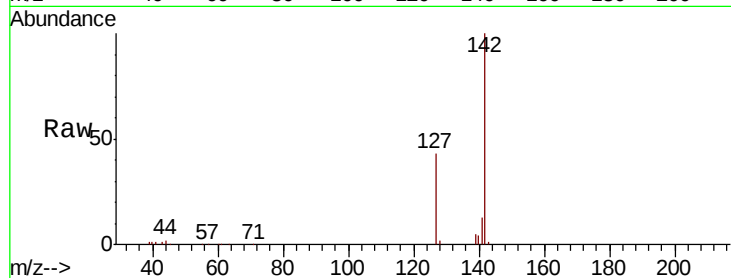




#11
Methyl Iodide
Concen: 24.402 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

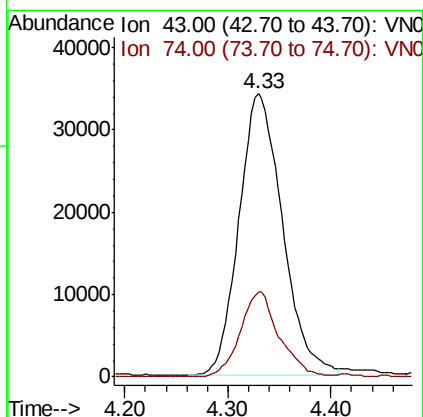
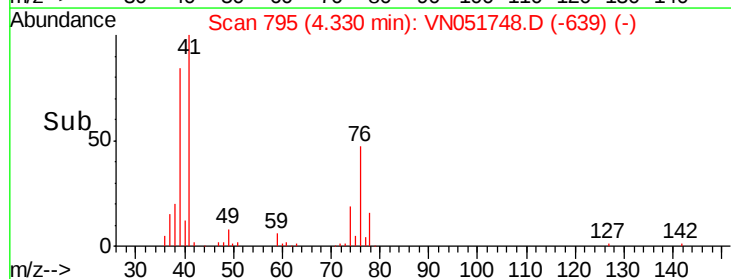
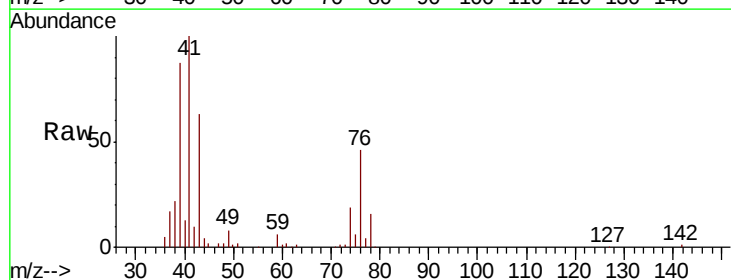
Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

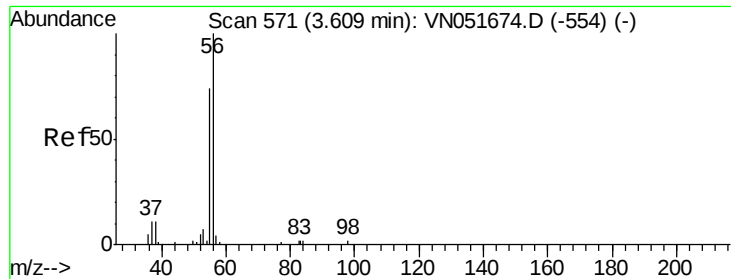
Tot Ion:142 Resp: 170212
Ion Ratio Lower Upper
142 100
127 42.5 19.7 59.0
141 13.3 6.3 18.9



#12
Methyl Acetate
Concen: 23.374 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion: 43 Resp: 100218
Ion Ratio Lower Upper
43 100
74 30.0 21.8 32.6





#13

Acrolein

Concen: 102.734 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampled :

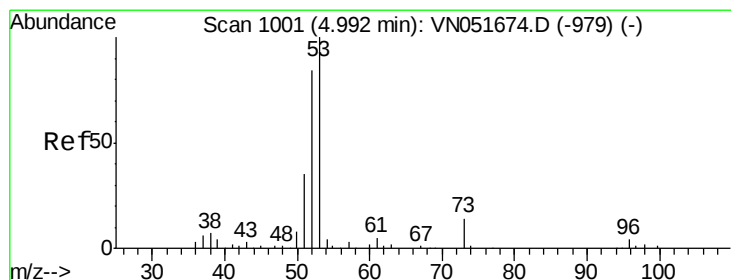
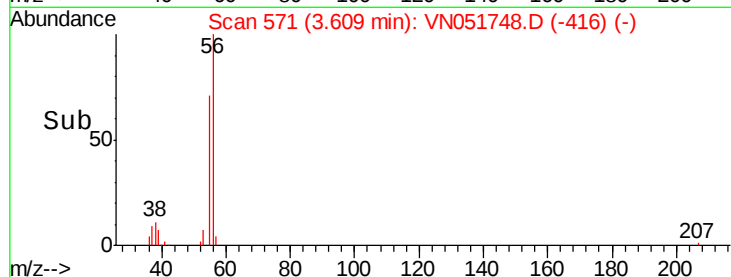
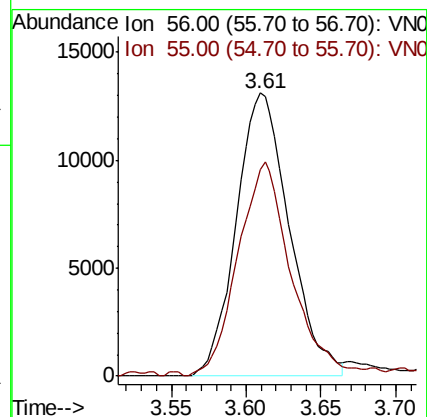
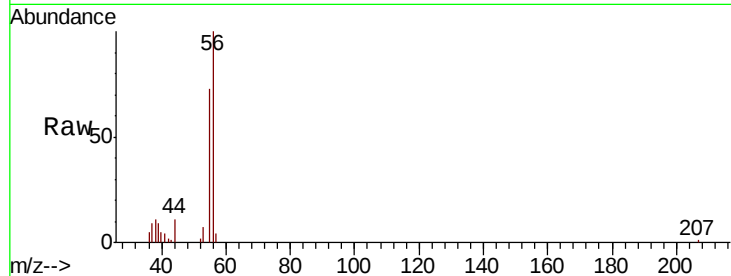
VN1009WBSD01

Tot Ion: 56 Resp: 32382

Ion Ratio Lower Upper

56 100

55 74.8 64.0 96.0



#14

Acrylonitrile

Concen: 112.364 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

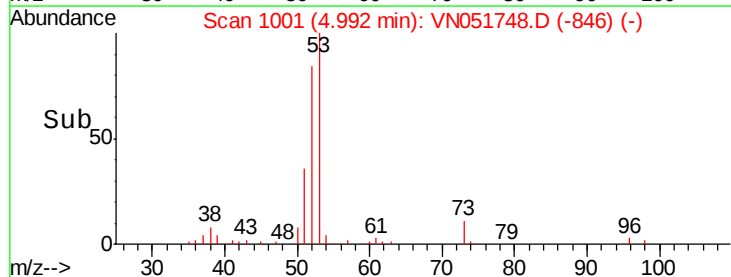
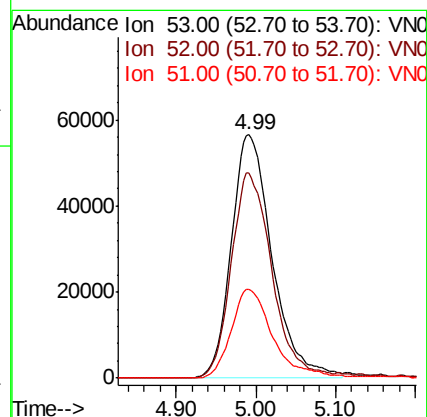
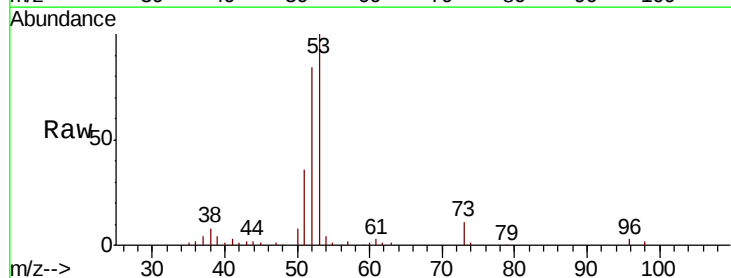
Tgt Ion: 53 Resp: 196702

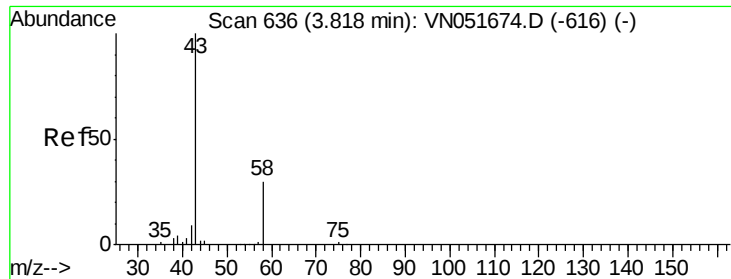
Ion Ratio Lower Upper

53 100

52 83.7 18.3 54.8#

51 37.3 19.7 59.1





#15

Acetone

Concen: 110.991 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

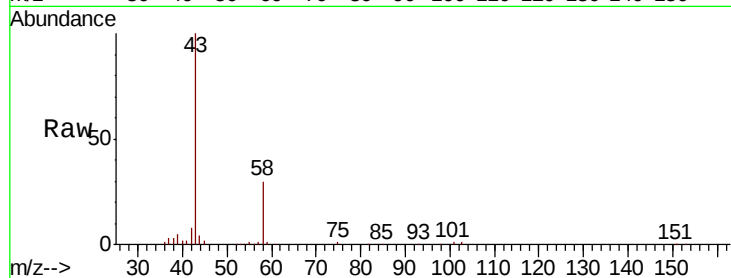
VN1009WBSD01

Tot Ion: 58 Resp: 46434

Ion Ratio Lower Upper

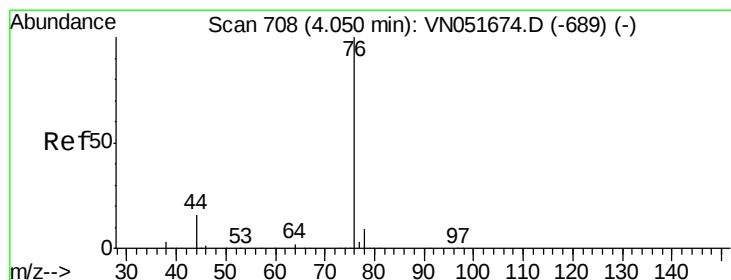
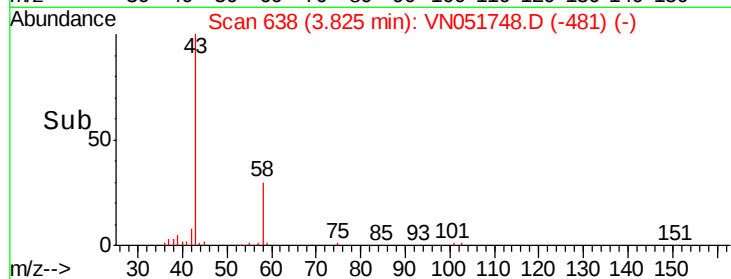
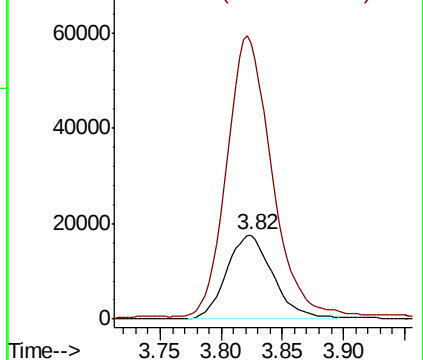
58 100

43 324.0 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN051748.D (-616) (-)

Ion 43.00 (42.70 to 43.70): VN051748.D (-616) (-)



#16

Carbon Disulfide

Concen: 20.496 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051748.D

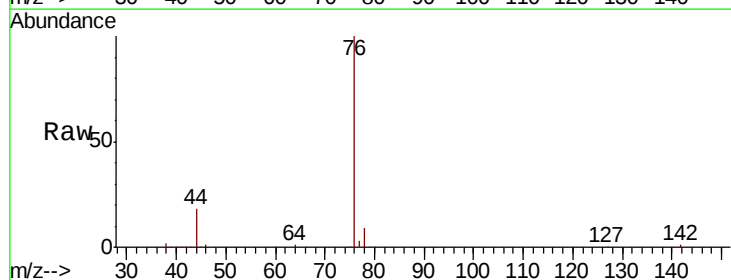
Acq: 9 Oct 2018 13:42

Tgt Ion: 76 Resp: 318528

Ion Ratio Lower Upper

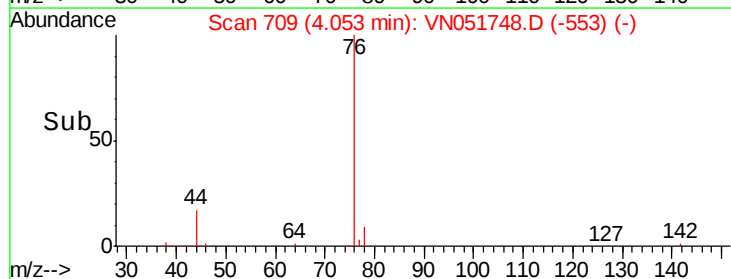
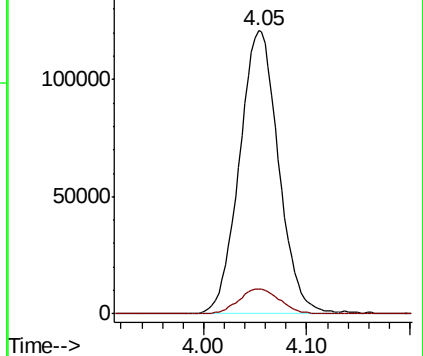
76 100

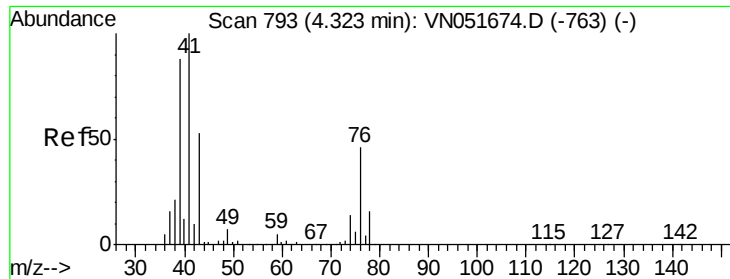
78 8.9 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN051748.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN051748.D (-689) (-)

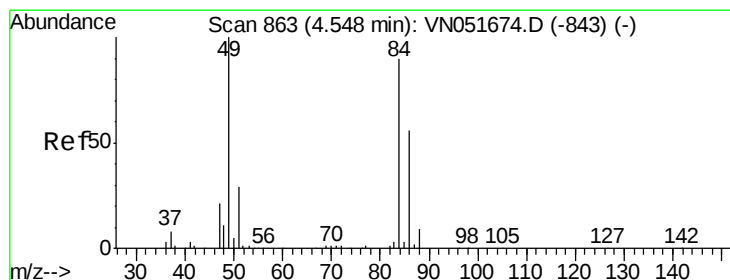
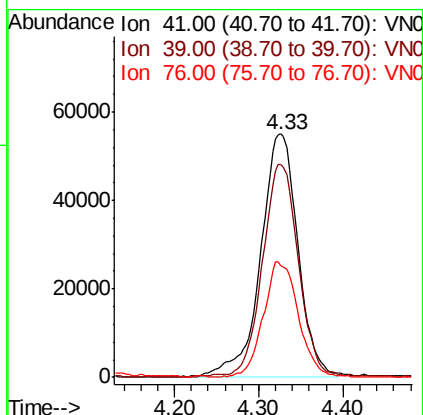
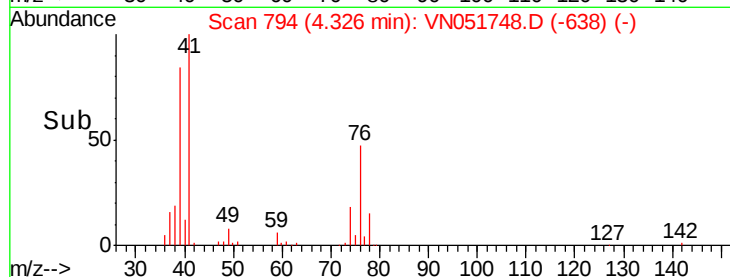
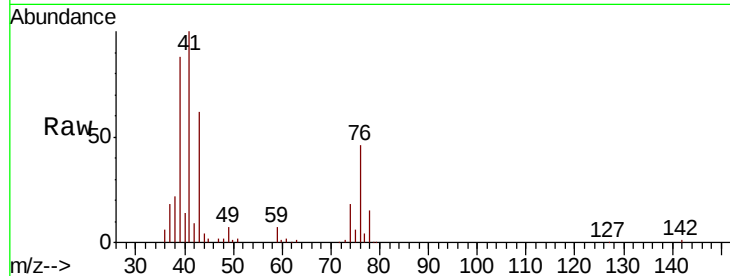




#17
Allvl chloride
Concen: 21.096 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

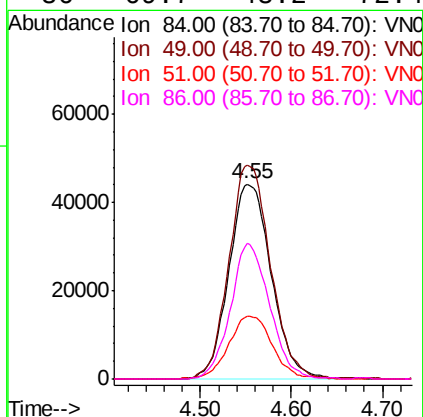
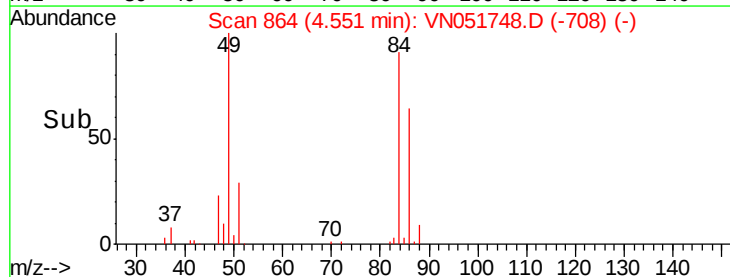
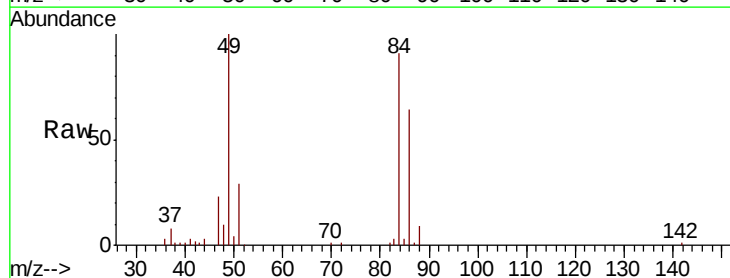
Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

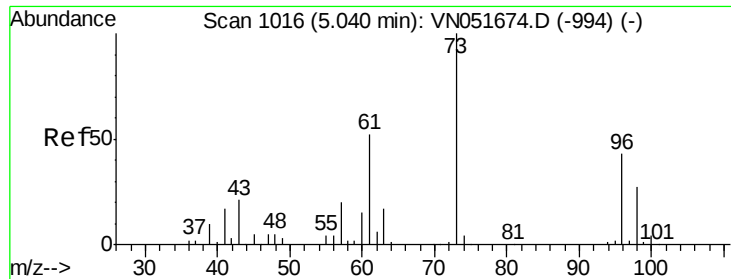
Tot Ion: 41 Resp: 167172
Ion Ratio Lower Upper
41 100
39 87.9 32.6 97.8
76 46.3 20.2 60.5



#18
Methylene Chloride
Concen: 23.392 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion: 84 Resp: 143388
Ion Ratio Lower Upper
84 100
49 109.1 91.6 137.4
51 32.1 29.8 44.6
86 69.7 48.2 72.4

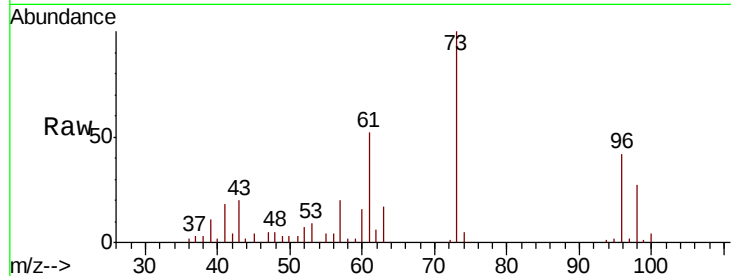




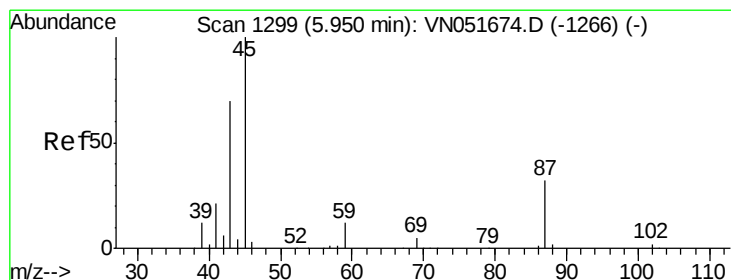
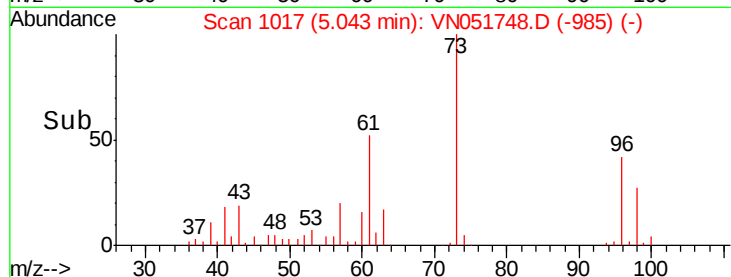
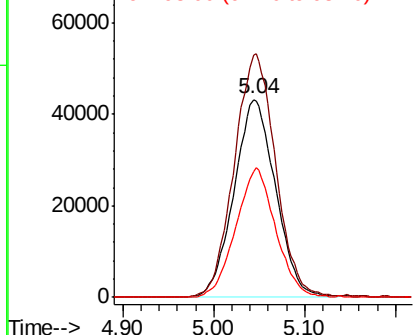
#19
trans-1,2-Dichloroethene
Concen: 22.352 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion: 96 Resp: 137284
Ion Ratio Lower Upper
96 100
61 121.7 112.3 168.5
98 63.5 47.1 70.7

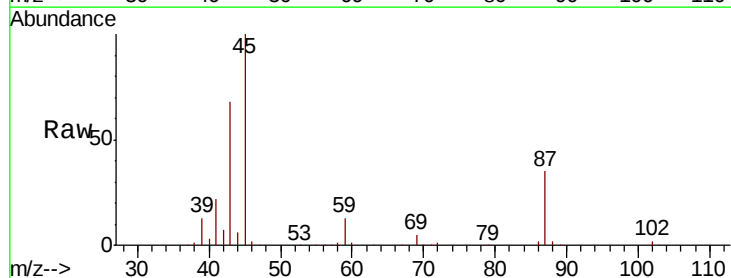


Abundance Ion 96.00 (95.70 to 96.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

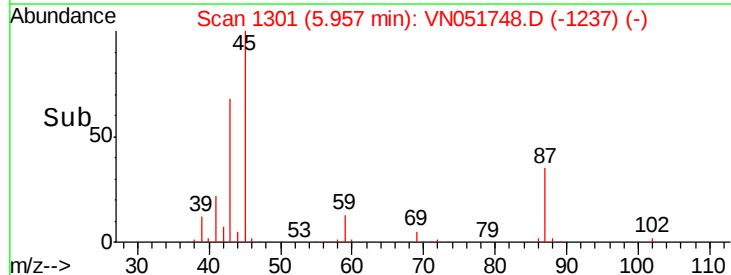
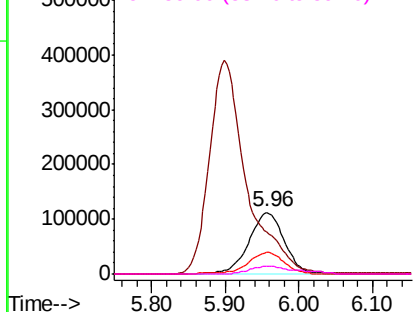


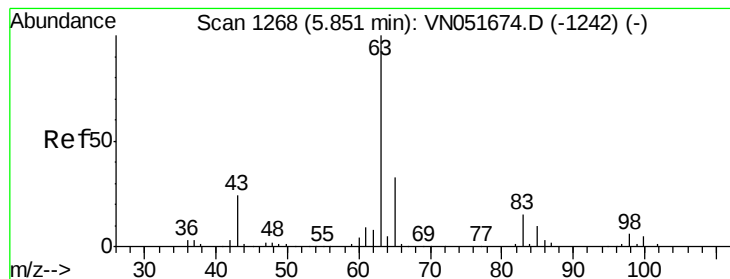
#20
Diisopropyl ether
Concen: 21.025 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion: 45 Resp: 374209
Ion Ratio Lower Upper
45 100
43 66.3 62.1 93.1
87 35.1 19.9 29.9#
59 12.5 9.8 14.6



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





#21

1,1-Dichloroethane

Concen: 21.912 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

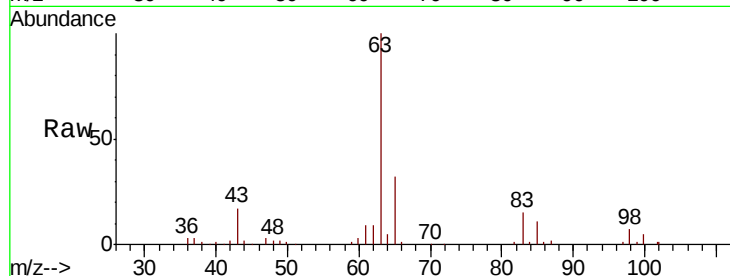
Tot Ion: 63 Resp: 243397

Ion Ratio Lower Upper

63 100

98 6.7 4.1 12.3

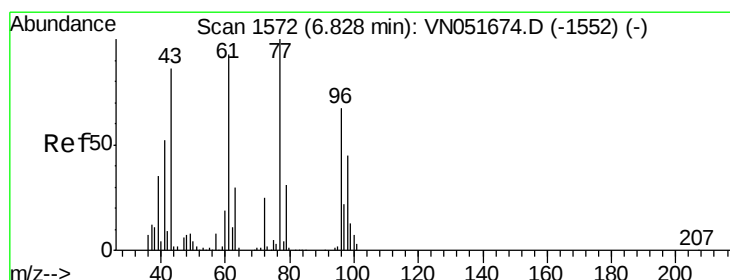
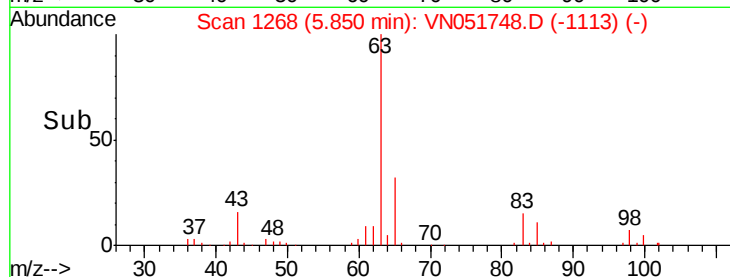
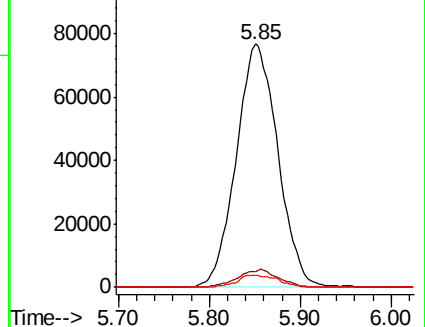
100 5.0 1.6 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VN051748.D (-1242) (-)

Ion 98.00 (97.70 to 98.70): VN051748.D (-1242) (-)

Ion 100.00 (99.70 to 100.70): VN051748.D (-1242) (-)



#22

cis-1,2-Dichloroethene

Concen: 22.486 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

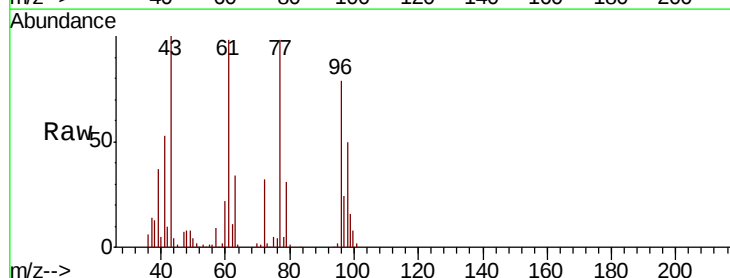
Tgt Ion: 96 Resp: 162488

Ion Ratio Lower Upper

96 100

61 132.4 124.5 186.7

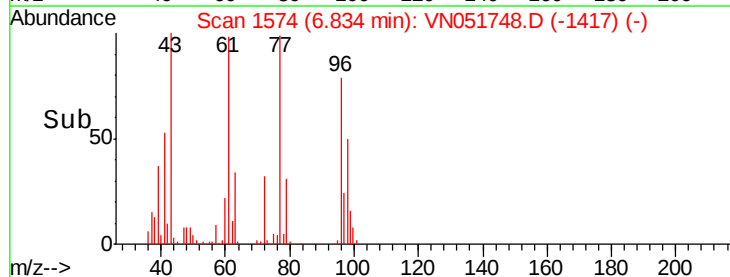
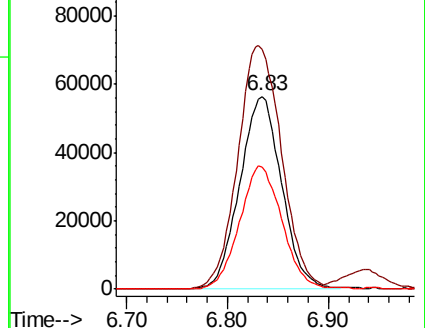
98 64.8 51.9 77.9

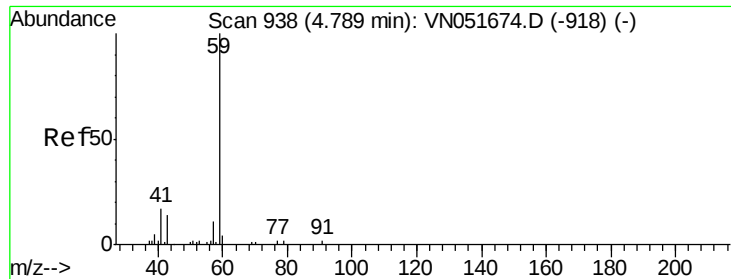


Abundance Ion 96.00 (95.70 to 96.70): VN051748.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN051748.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN051748.D (-1417) (-)





#23

tert-Butyl Alcohol

Concen: 124.883 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.01 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

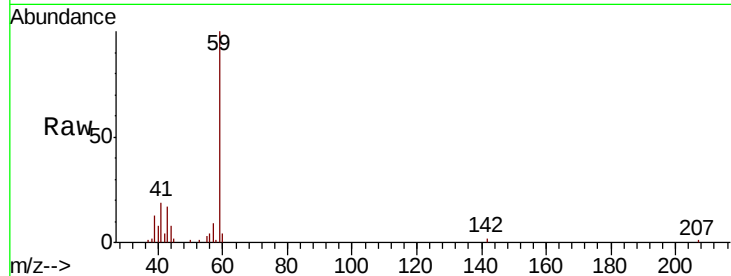
VN1009WBSD01

Tot Ion: 59 Resp: 56470

Ion Ratio Lower Upper

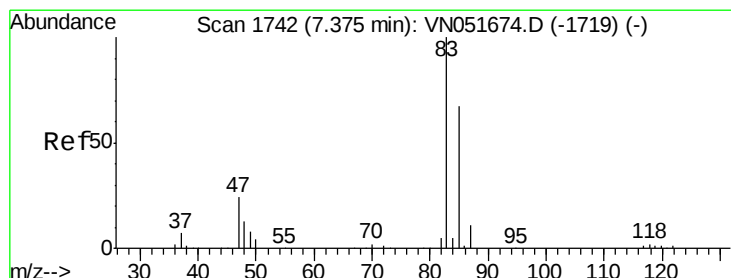
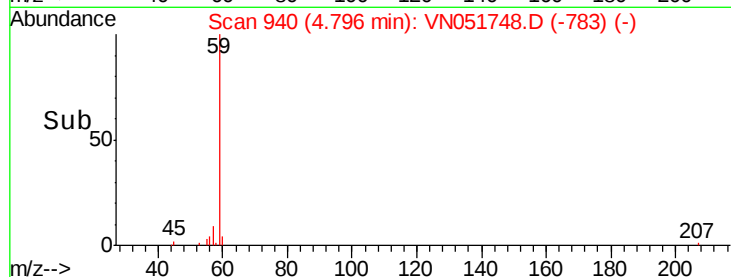
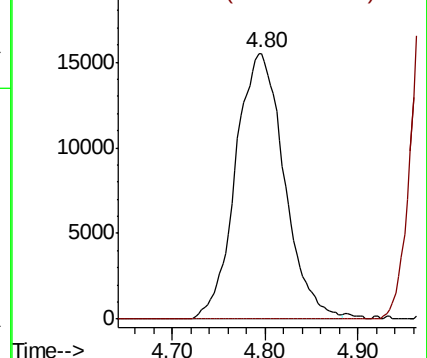
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#25

Chloroform

Concen: 22.444 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051748.D

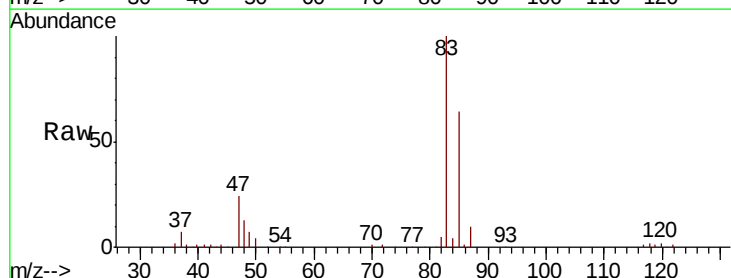
Acq: 9 Oct 2018 13:42

Tgt Ion: 83 Resp: 281893

Ion Ratio Lower Upper

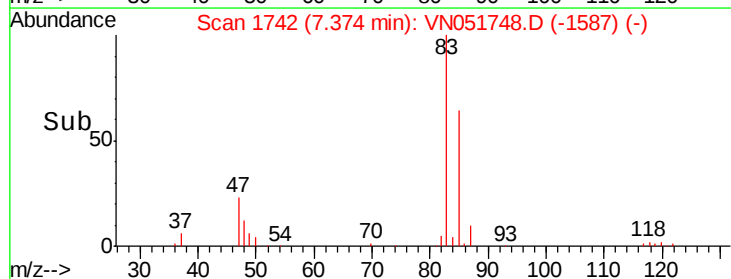
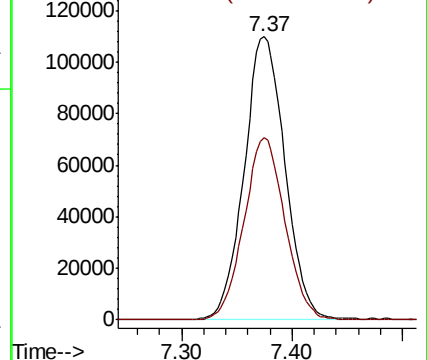
83 100

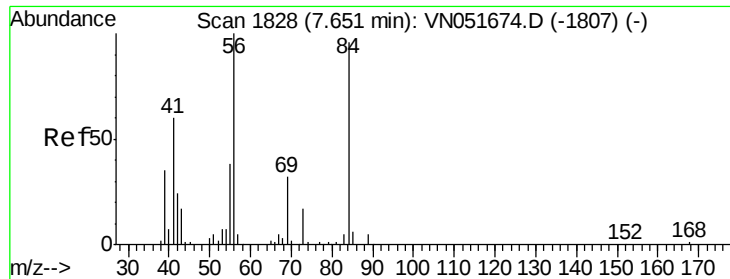
85 64.2 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

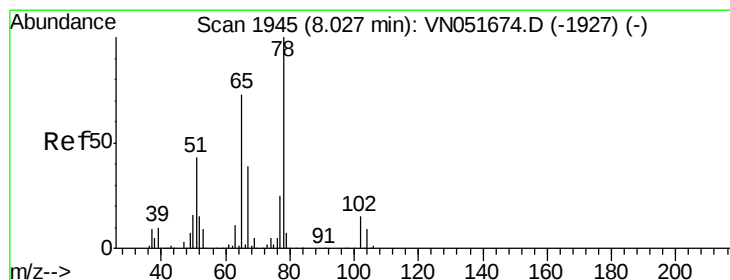
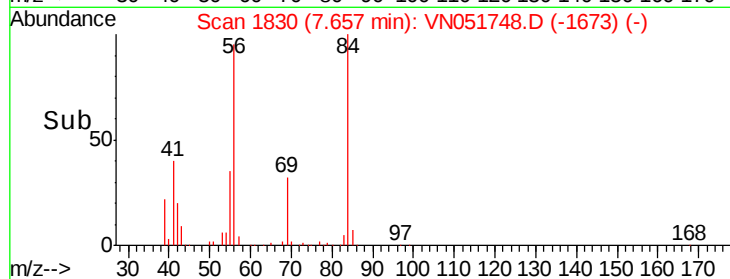
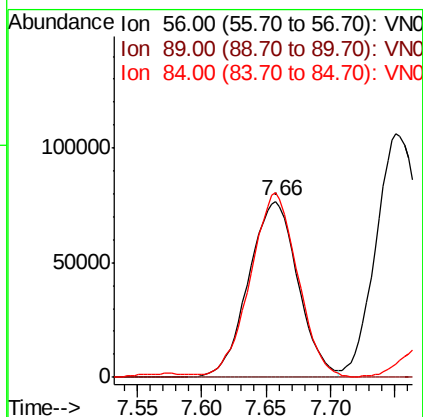
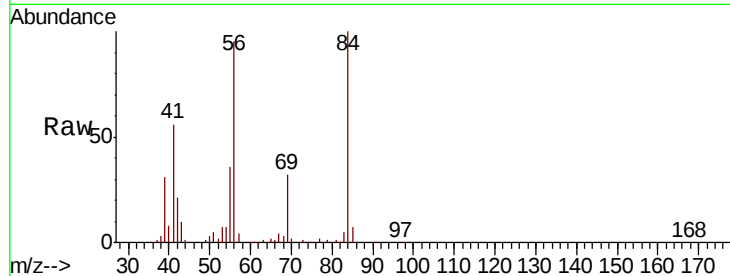




#26
Cyclohexane
Concen: 21.703 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

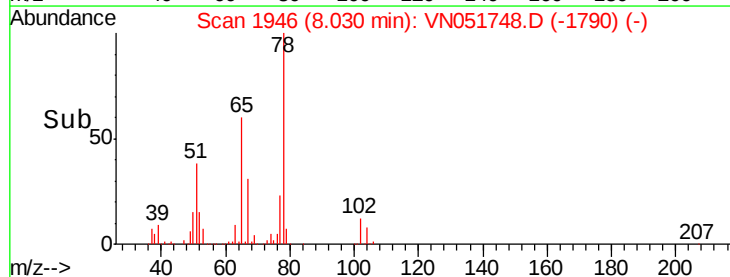
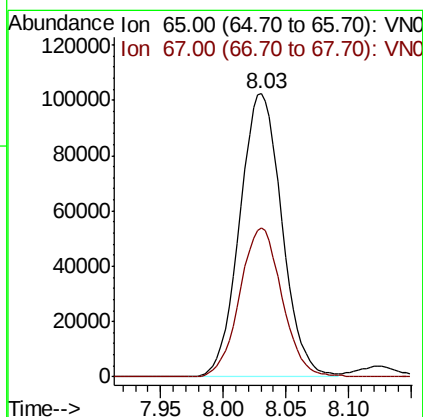
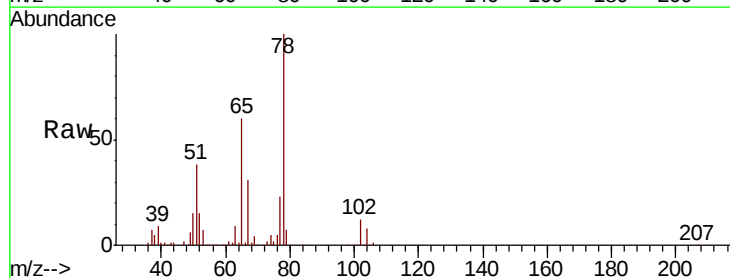
Instrument :
MSVOA_N
ClientSampled :
VN1009WBSD01

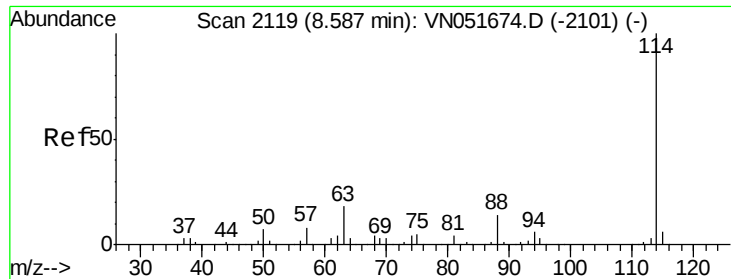
Tot Ion: 56 Resp: 204853
Ion Ratio Lower Upper
56 100
89 0.0 1.5 2.3#
84 101.0 64.2 96.4#



#27
1,2-Dichloroethane-d4
Concen: 21.703 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion: 65 Resp: 239607
Ion Ratio Lower Upper
65 100
67 52.7 41.8 62.8

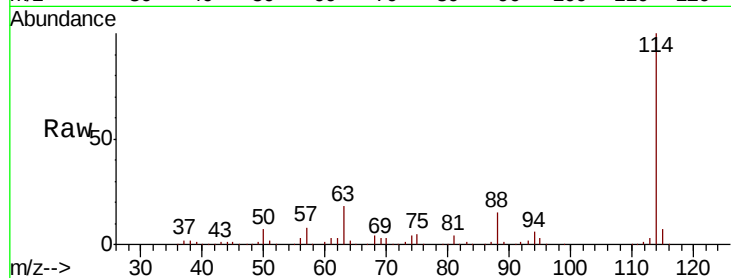




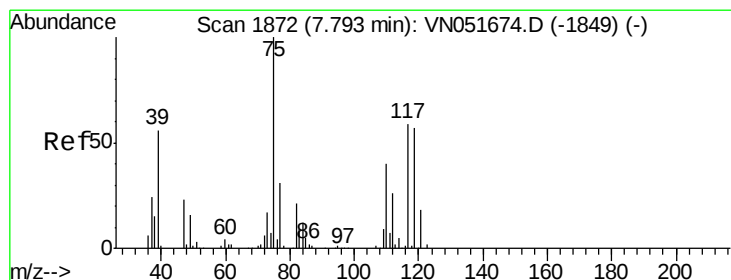
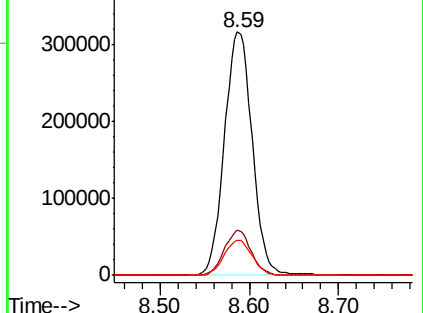
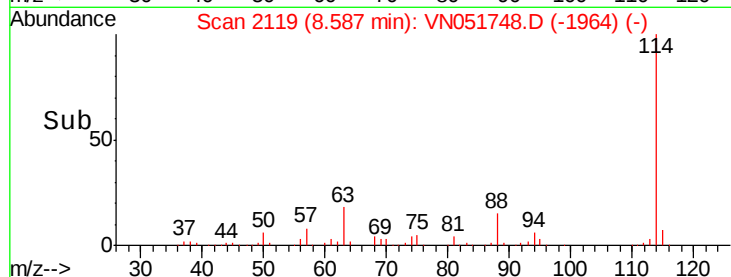
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Tot Ion:114 Resp: 682159
 Ion Ratio Lower Upper
 114 100
 63 17.8 16.2 24.2
 88 14.6 12.2 18.4

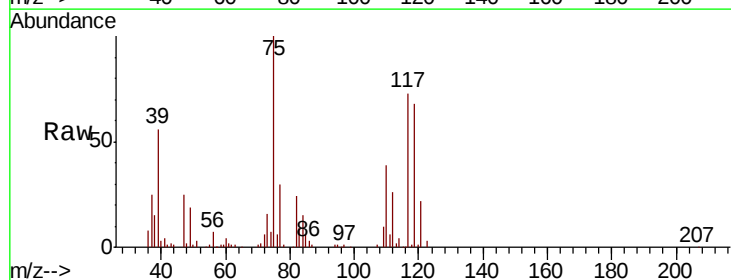


Abundance Ion 114.00 (113.70 to 114.70): VN051748.D (-2101) (-)
 Ion 63.00 (62.70 to 63.70): VN051748.D (-2101) (-)
 Ion 88.00 (87.70 to 88.70): VN051748.D (-2101) (-)

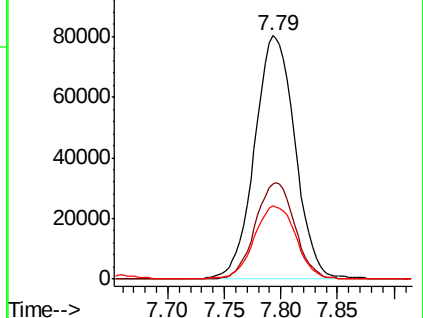
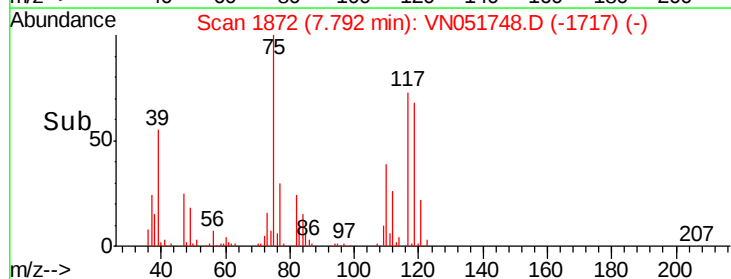


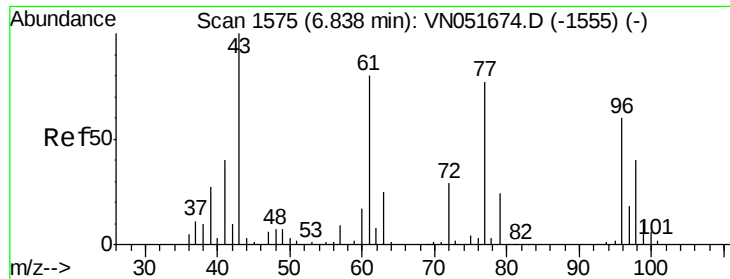
#29
 1,1-Dichloropropene
 Concen: 21.890 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion: 75 Resp: 198463
 Ion Ratio Lower Upper
 75 100
 110 38.8 0.0 70.8
 77 31.1 0.0 61.6



Abundance Ion 75.00 (74.70 to 75.70): VN051748.D (-1849) (-)
 Ion 110.00 (109.70 to 110.70): VN051748.D (-1849) (-)
 Ion 77.00 (76.70 to 77.70): VN051748.D (-1849) (-)

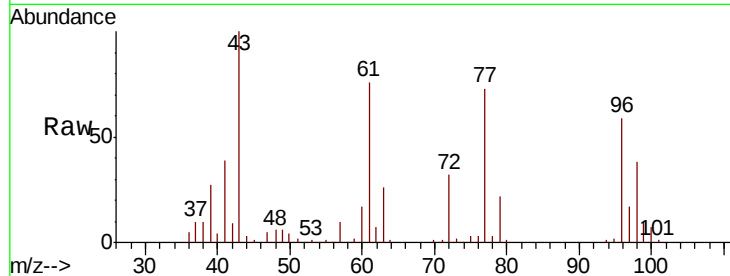




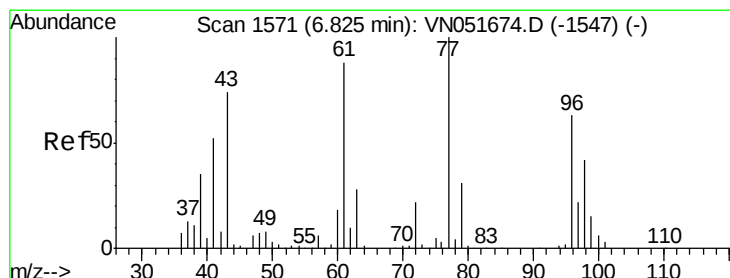
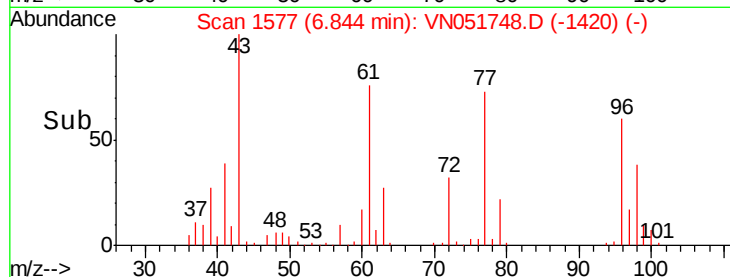
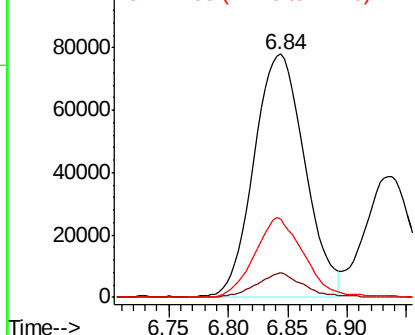
#30
2-Butanone
Concen: 104.165 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion: 43 Resp: 230003
Ion Ratio Lower Upper
43 100
57 9.2 4.5 6.7#
72 31.2 21.5 32.3

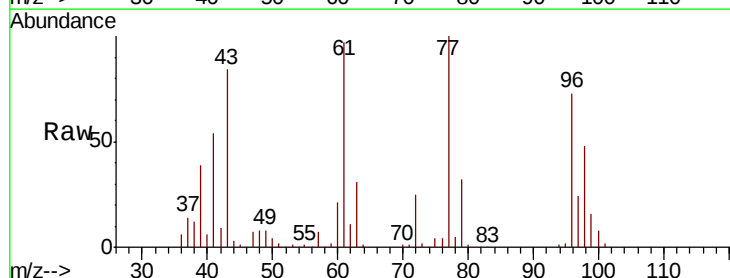


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 57.00 (56.70 to 57.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

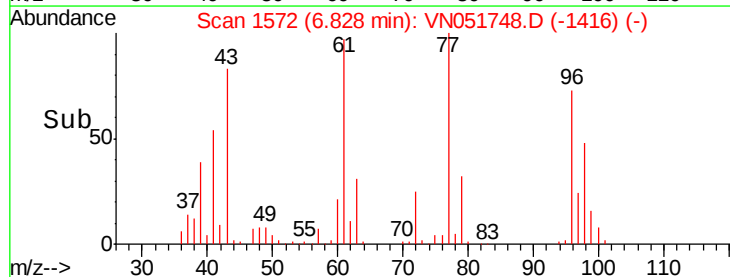
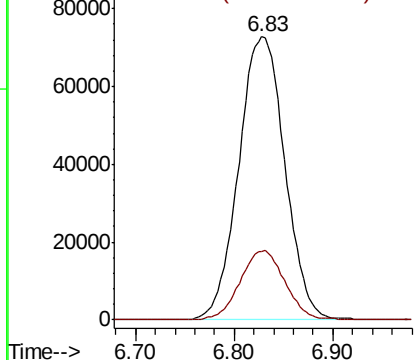


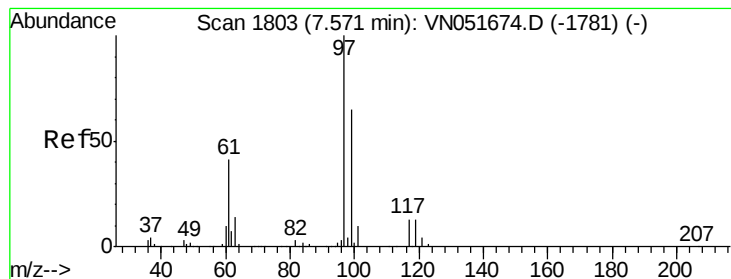
#31
2,2-Dichloropropane
Concen: 20.848 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion: 77 Resp: 235478
Ion Ratio Lower Upper
77 100
97 23.7 12.0 18.0#



Abundance Ion 77.00 (76.70 to 77.70): VN0
Ion 97.00 (96.70 to 97.70): VN0





#32

1,1,1-Trichloroethane

Concen: 21.787 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

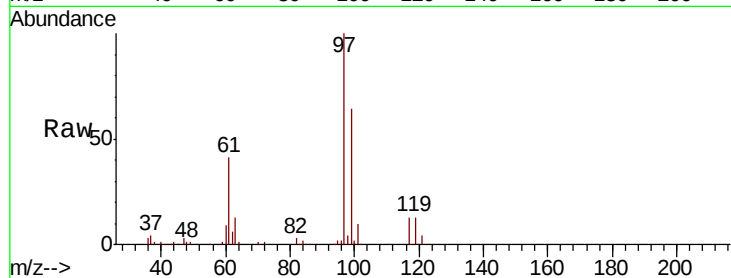
Tot Ion: 97 Resp: 265631

Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

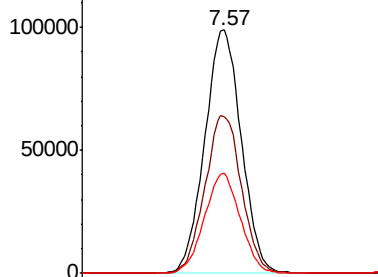
61 40.5 37.4 56.0



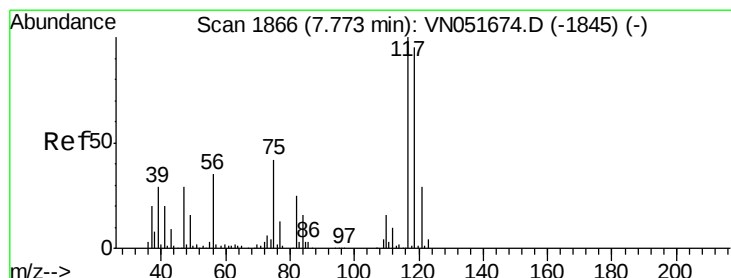
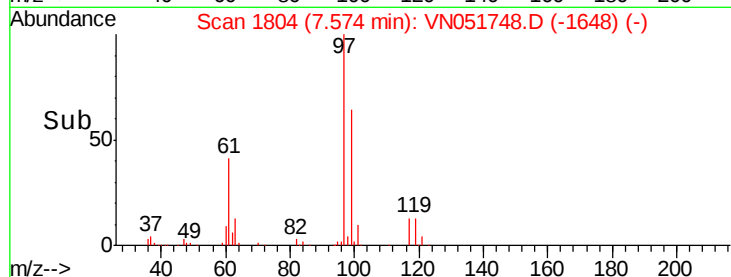
Abundance Ion 97.00 (96.70 to 97.70): VN051748.D (-1781) (-)

Ion 99.00 (98.70 to 99.70): VN051748.D (-1648) (-)

Ion 61.00 (60.70 to 61.70): VN051748.D (-1648) (-)



Time-->



#33

Carbon Tetrachloride

Concen: 21.810 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

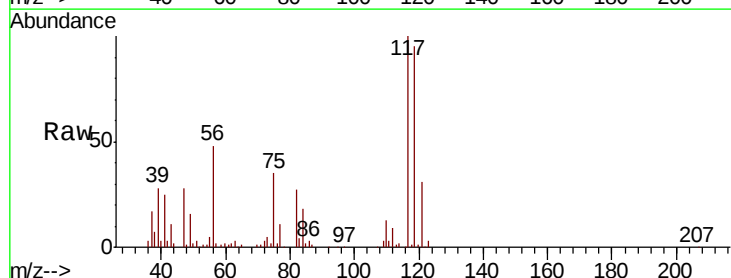
Tgt Ion: 117 Resp: 241078

Ion Ratio Lower Upper

117 100

119 94.6 85.1 127.7

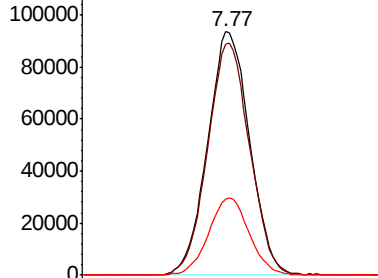
121 31.4 24.2 36.2



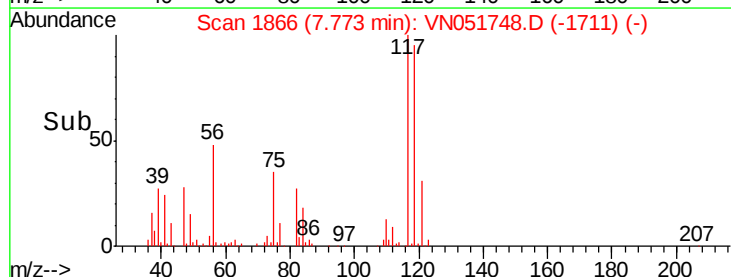
Abundance Ion 117.00 (116.70 to 117.70): VN051748.D (-1711) (-)

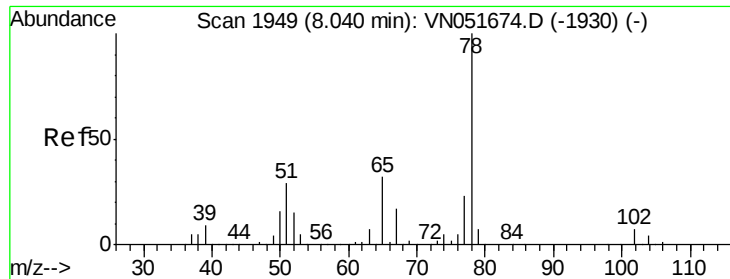
Ion 119.00 (118.70 to 119.70): VN051748.D (-1711) (-)

Ion 121.00 (120.70 to 121.70): VN051748.D (-1711) (-)



Time-->





#34

Benzene

Concen: 21.758 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

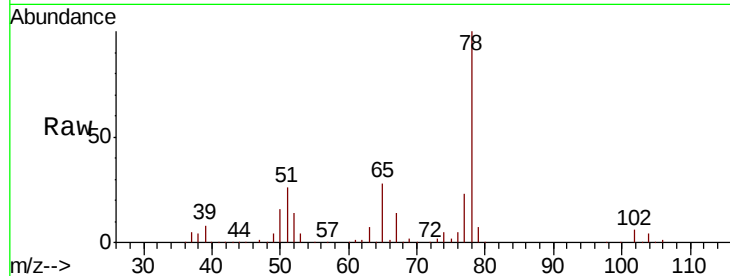
Tot Ion: 78 Resp: 596729

Ion Ratio Lower Upper

78 100

77 23.1 18.8 28.2

51 25.8 46.2 69.4#



Abundance Ion 78.10 (77.80 to 78.80): VN051674.D (-1930) (-)

Ion 77.00 (76.70 to 77.70): VN051674.D (-1930) (-)

Ion 51.00 (50.70 to 51.70): VN051674.D (-1930) (-)

8.04

300000

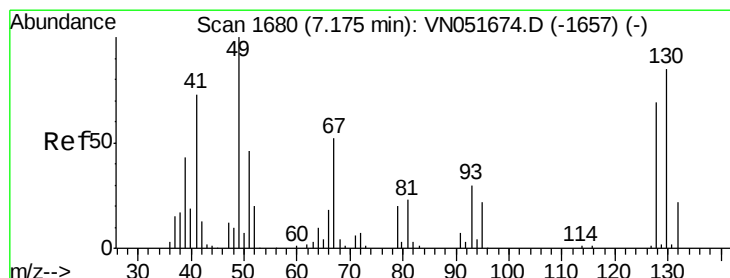
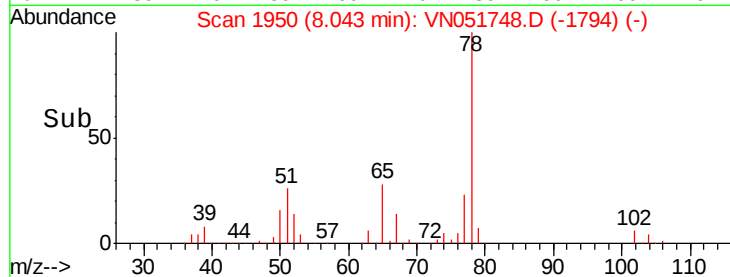
200000

100000

0

8.00 8.10

Time-->



#35

Methacrylonitrile

Concen: 17.807 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Tgt Ion: 41 Resp: 43392

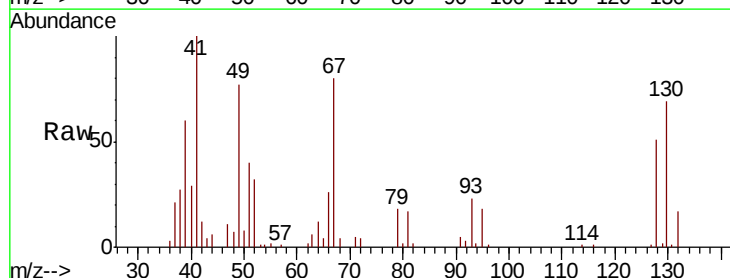
Ion Ratio Lower Upper

41 100

39 58.7 22.6 67.7

67 80.3 28.9 86.8

52 31.8 11.3 33.9



Abundance Ion 41.00 (40.70 to 41.70): VN051674.D (-1657) (-)

Ion 39.00 (38.70 to 39.70): VN051674.D (-1657) (-)

Ion 67.00 (66.70 to 67.70): VN051674.D (-1657) (-)

Ion 52.00 (51.70 to 52.70): VN051674.D (-1657) (-)

7.17

50000

40000

30000

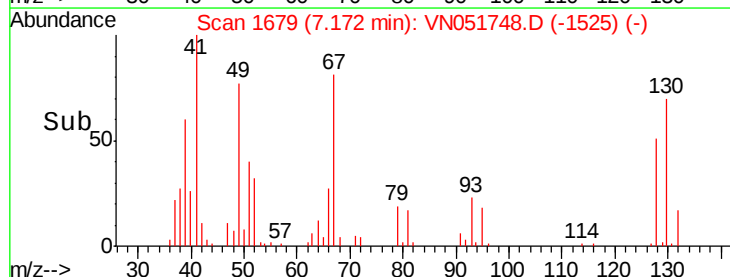
20000

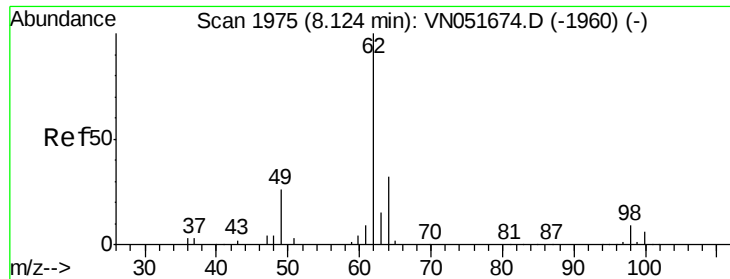
10000

0

7.10 7.15 7.20

Time-->

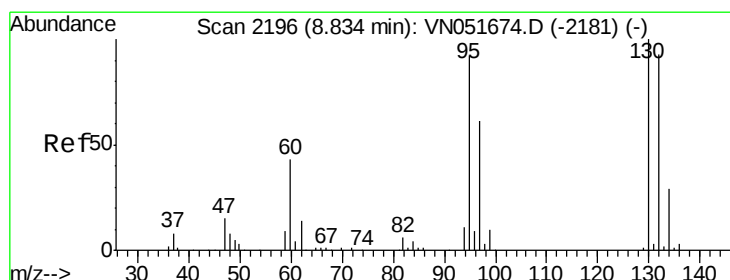
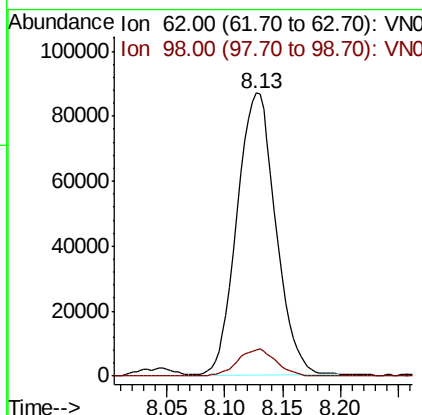
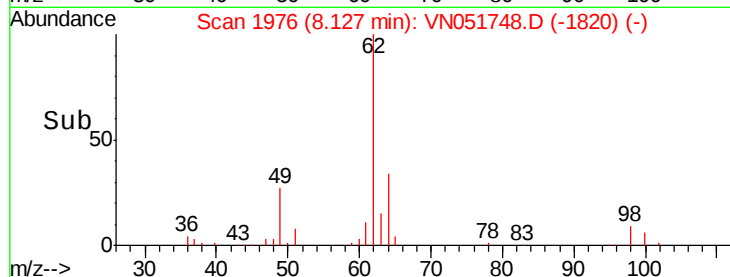
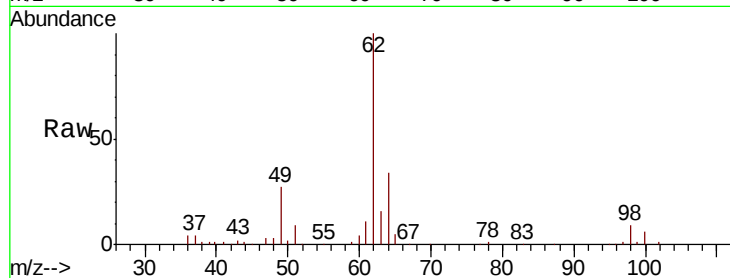




#36
 1,2-Dichloroethane
 Concen: 21.960 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

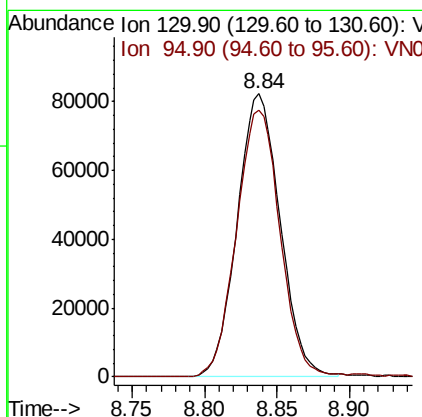
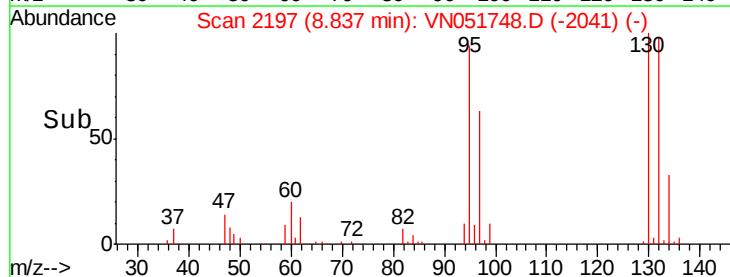
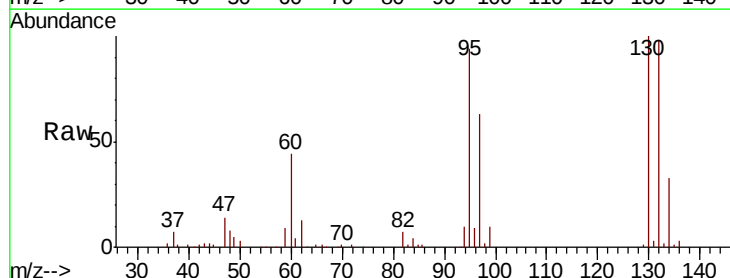
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

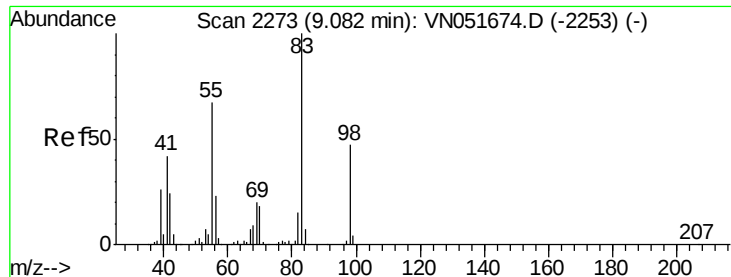
Tot Ion: 62 Resp: 201577
 Ion Ratio Lower Upper
 62 100
 98 9.4 6.9 10.3



#37
 Trichloroethene
 Concen: 22.271 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion:130 Resp: 169843
 Ion Ratio Lower Upper
 130 100
 95 94.2 76.4 114.6

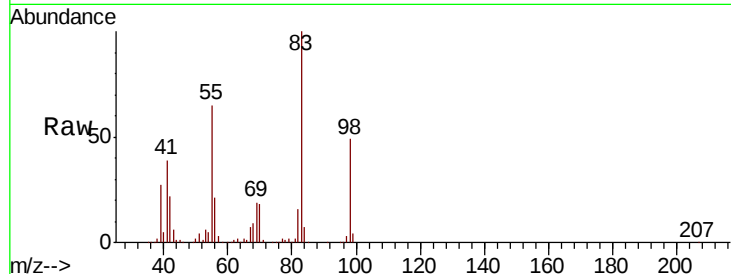




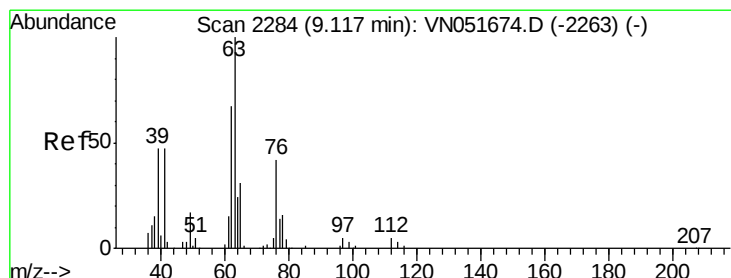
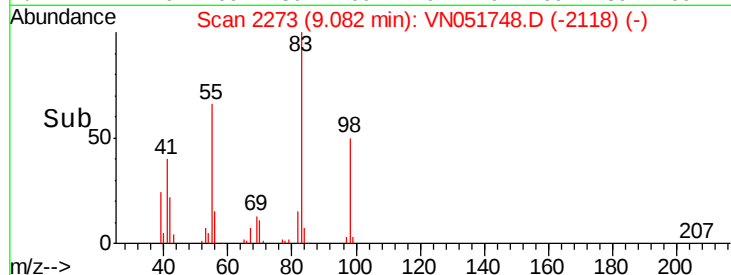
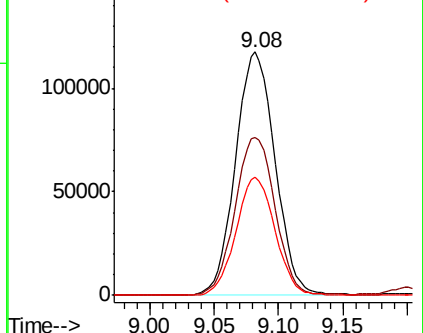
#38
Methvlcvclohexane
Concen: 21.891 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion: 83 Resp: 251335
Ion Ratio Lower Upper
83 100
55 65.6 43.0 129.2
98 48.0 21.3 63.7

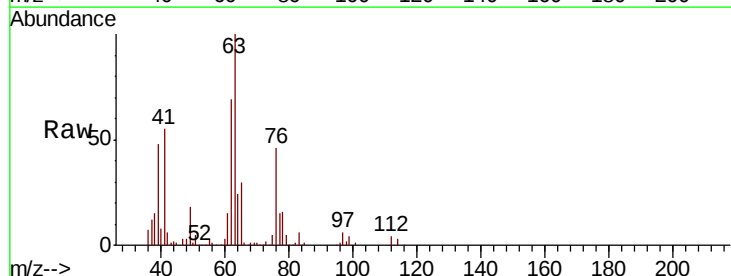


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

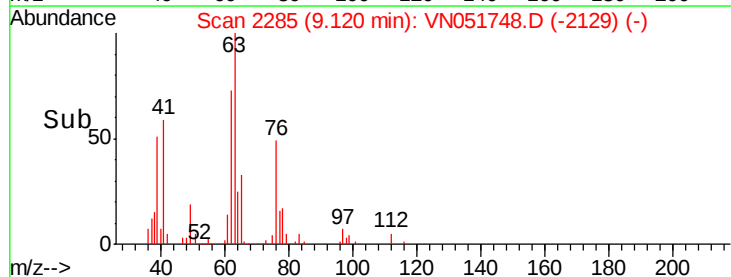
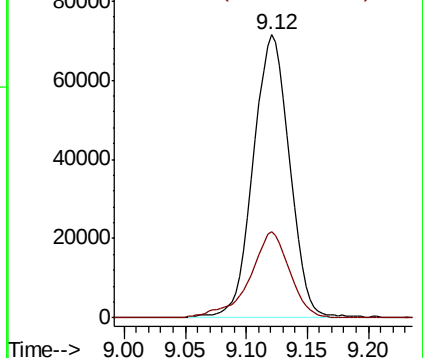


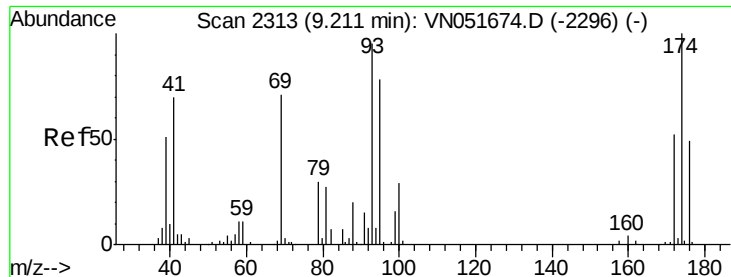
#39
1,2-Dichloropropane
Concen: 21.926 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion: 63 Resp: 147290
Ion Ratio Lower Upper
63 100
65 30.0 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0

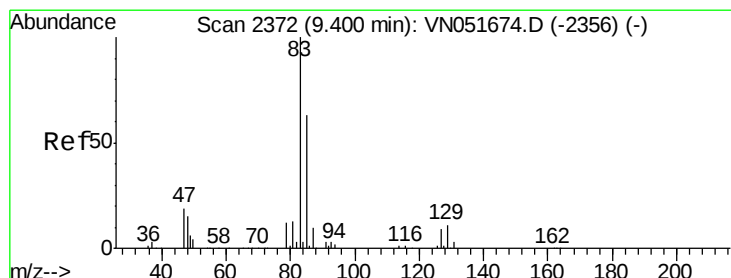
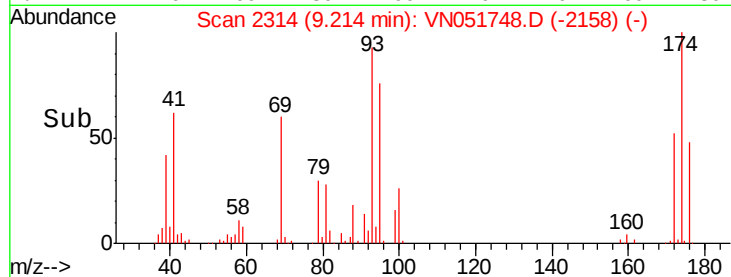
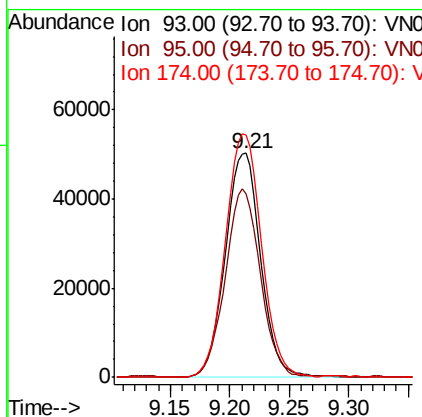
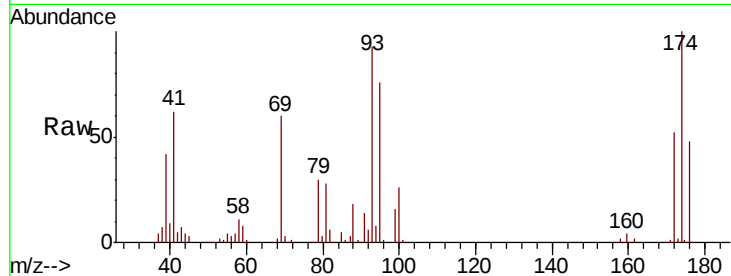




#40
 Dibromomethane
 Concen: 22.346 ug/l
 RT: 9.21 min Scan# 2314
 Delta R.T. 0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

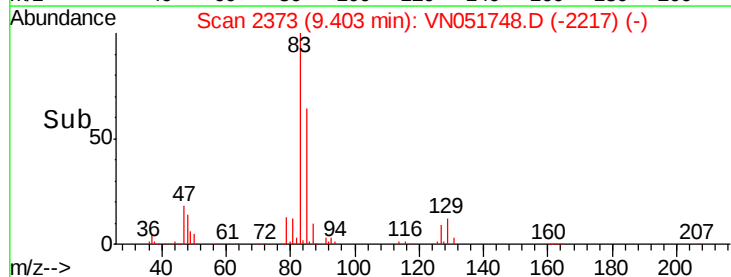
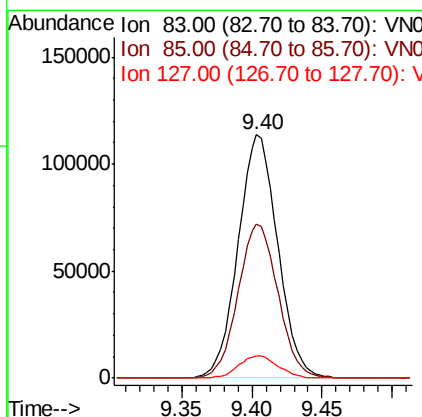
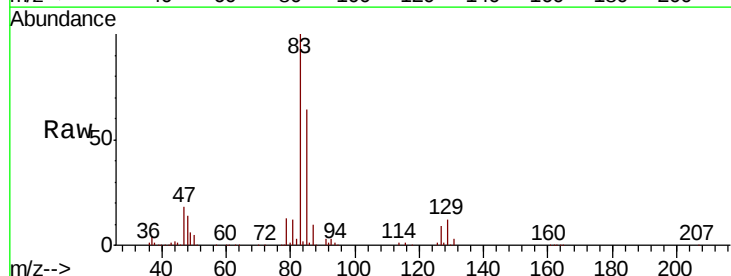
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

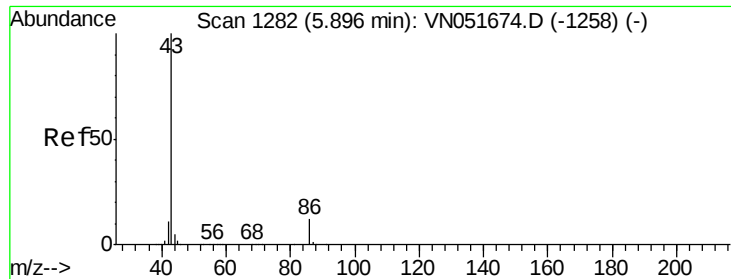
Tot Ion: 93 Resp: 103849
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 162.0
 174 110.5 0.0 214.0



#41
 Bromodichloromethane
 Concen: 21.566 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion: 83 Resp: 223660
 Ion Ratio Lower Upper
 83 100
 85 63.5 55.7 83.5
 127 9.3 8.2 12.4





#42

Vinyl Acetate

Concen: 105.244 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

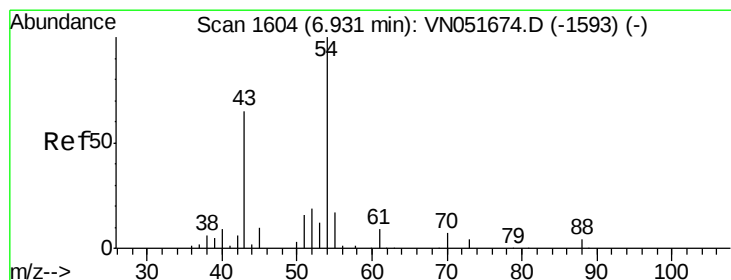
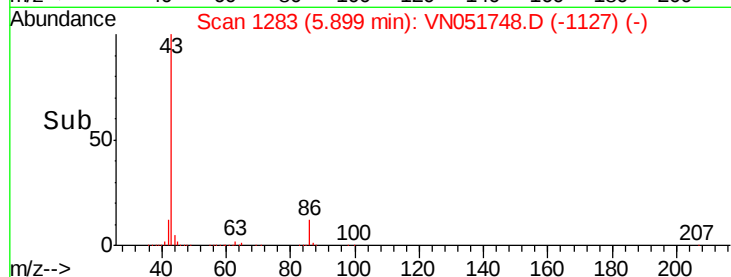
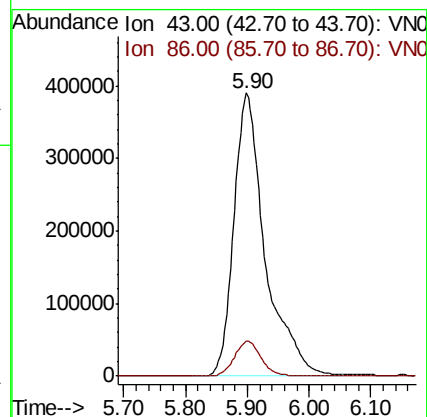
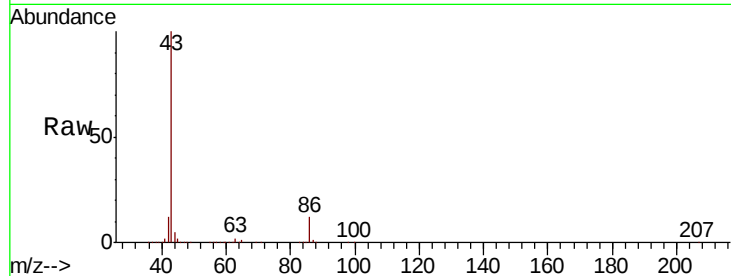
VN1009WBSD01

Tot Ion: 43 Resp: 1369275

Ion Ratio Lower Upper

43 100

86 10.5 6.5 9.7#



#43

Ethyl Acetate

Concen: 23.661 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN051748.D

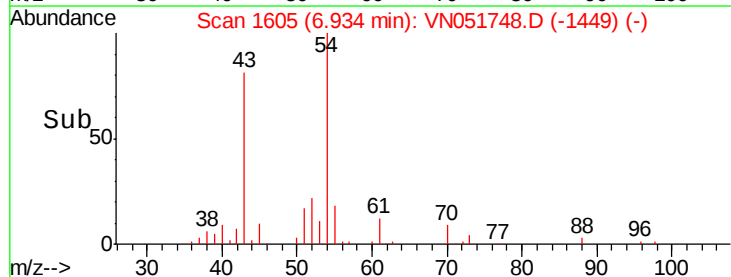
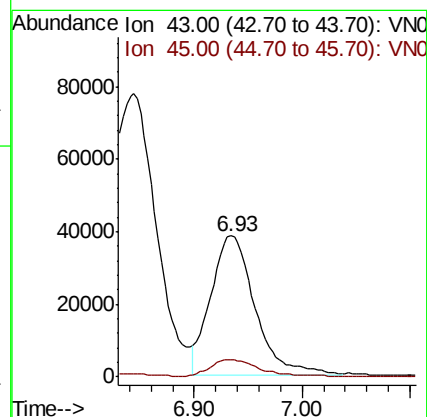
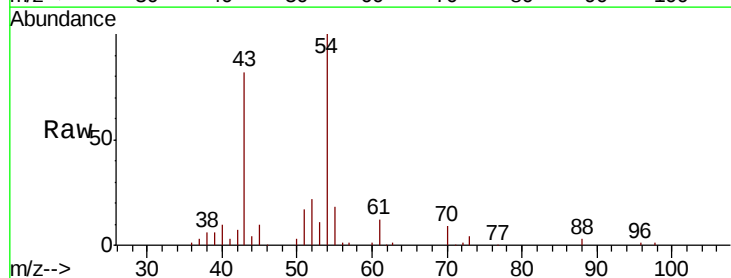
Acq: 9 Oct 2018 13:42

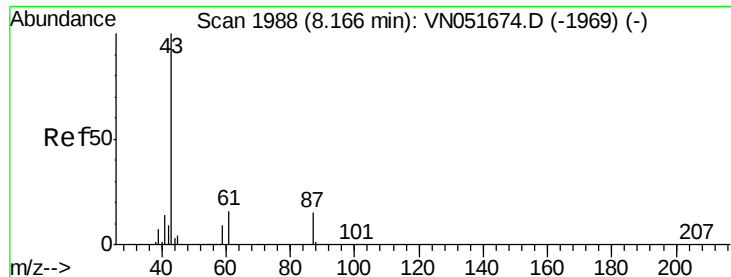
Tgt Ion: 43 Resp: 109934

Ion Ratio Lower Upper

43 100

45 12.6 11.0 16.6





#44

Isopropyl Acetate

Concen: 25.468 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

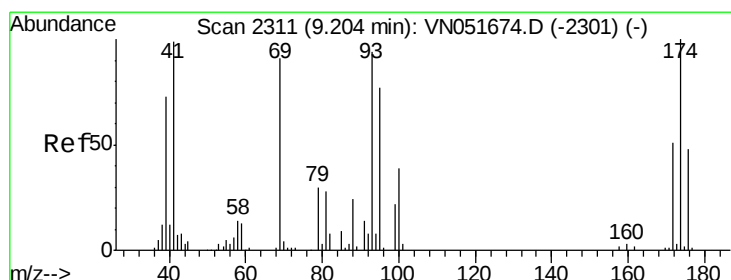
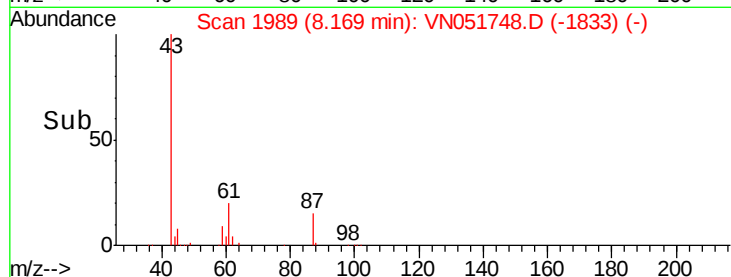
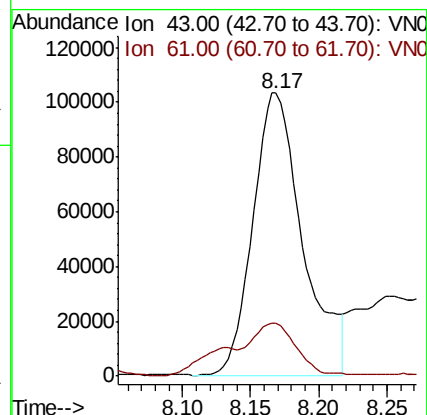
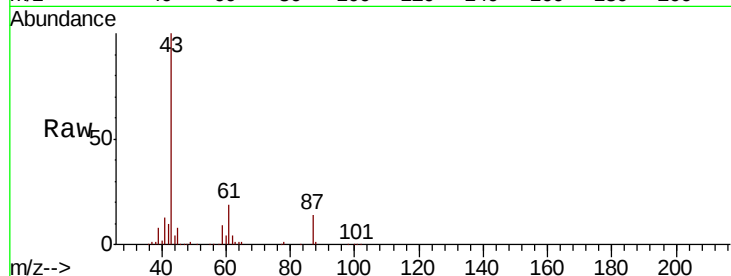
VN1009WBSD01

Tot Ion: 43 Resp: 261704

Ion Ratio Lower Upper

43 100

61 15.4 15.9 23.9#



#45

1,4-Dioxane

Concen: 456.309 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

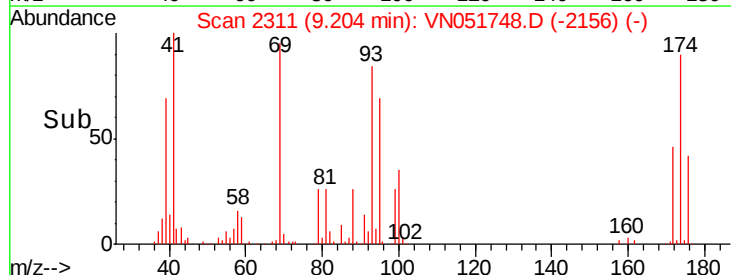
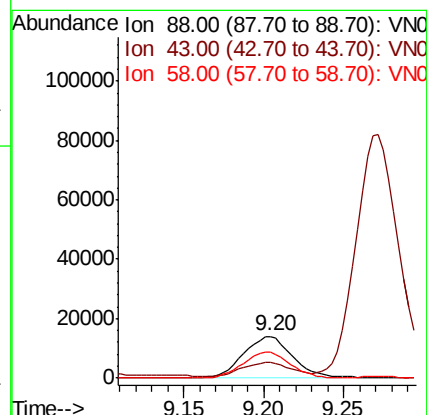
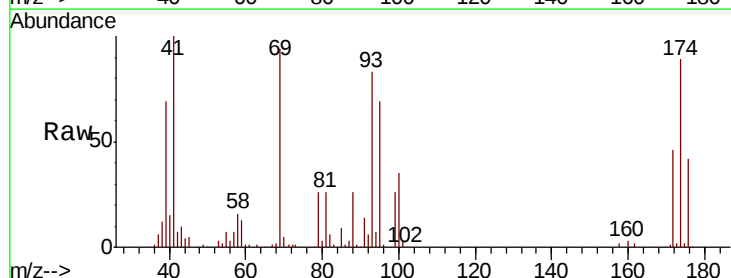
Tgt Ion: 88 Resp: 29626

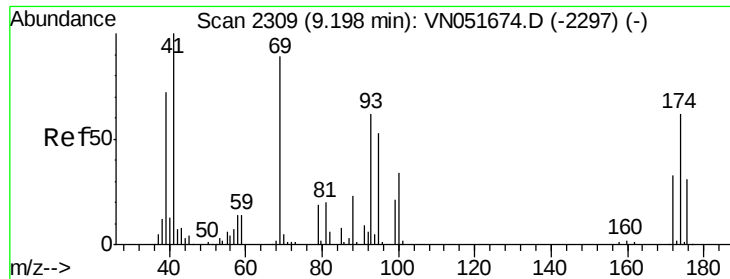
Ion Ratio Lower Upper

88 100

43 30.8 26.2 39.2

58 59.4 65.6 98.4#

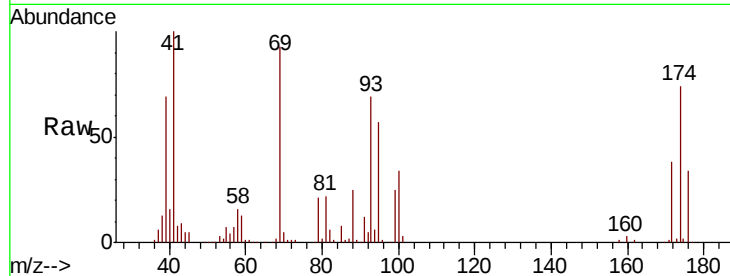




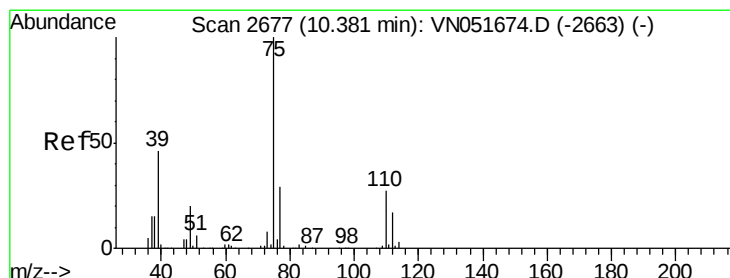
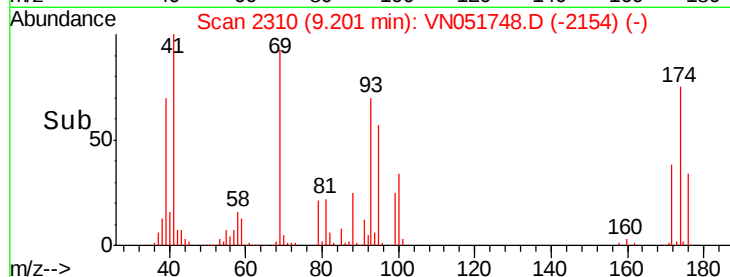
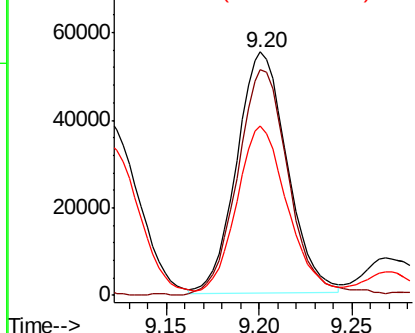
#46
Methvl methacrylate
Concen: 22.708 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampled :
VN1009WBSD01

Tot Ion: 41 Resp: 104026
Ion Ratio Lower Upper
41 100
69 94.1 40.7 122.1
39 68.9 27.3 81.9

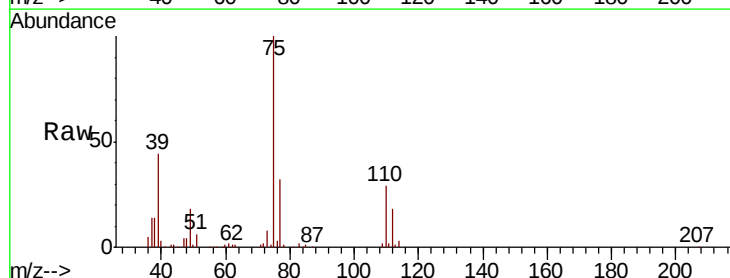


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

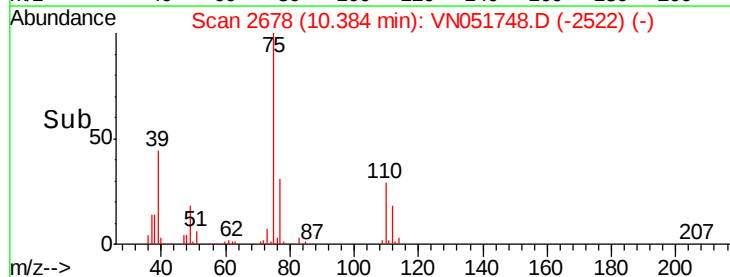
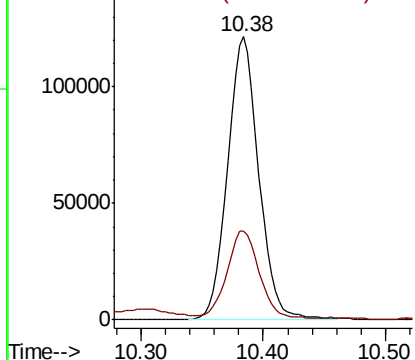


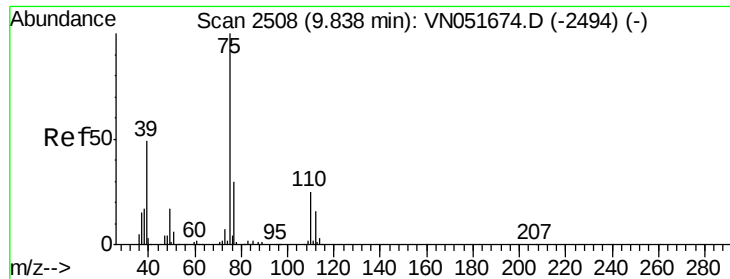
#48
t-1,3-Dichloropropene
Concen: 20.696 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion: 75 Resp: 217144
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0



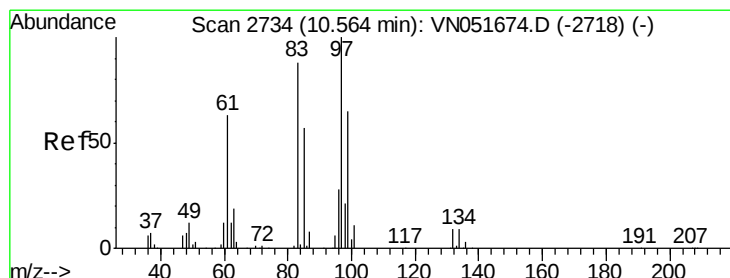
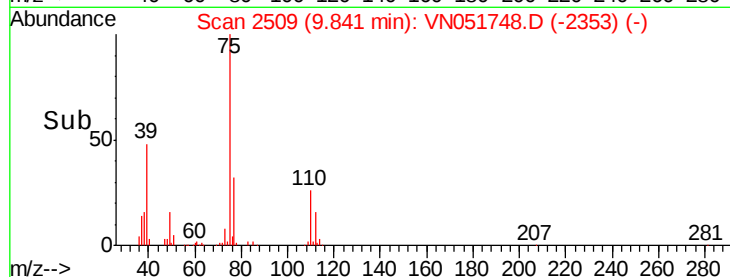
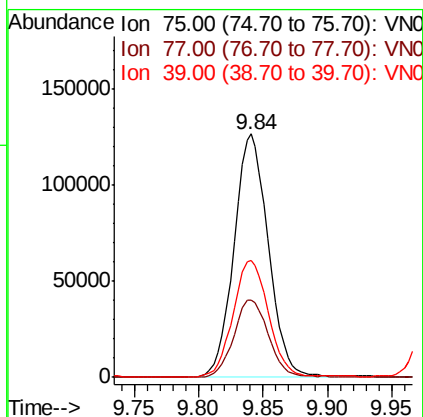
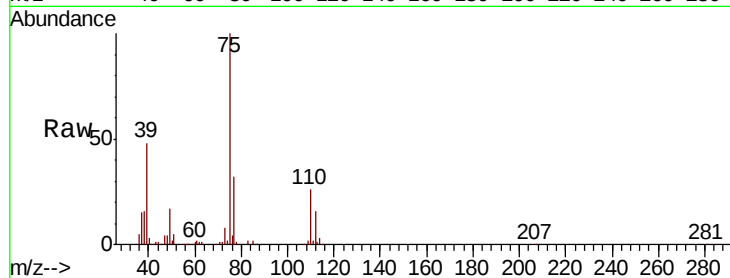


#49

cis-1,3-Dichloropropene
 Concen: 20.716 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

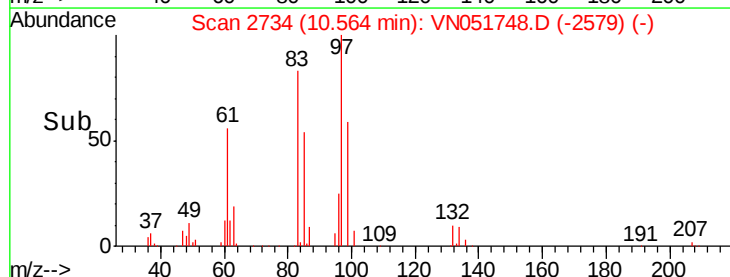
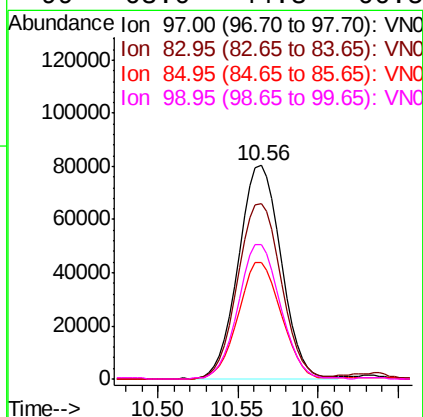
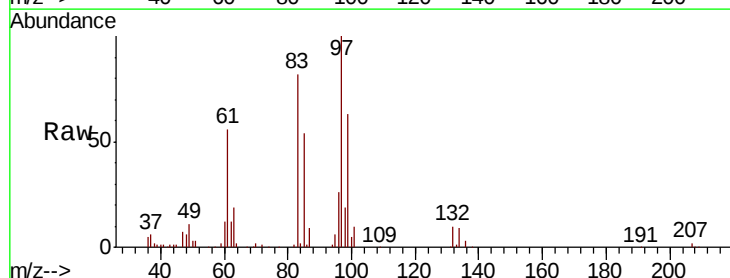
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	23.2	34.8
39	48.0	34.6	52.0

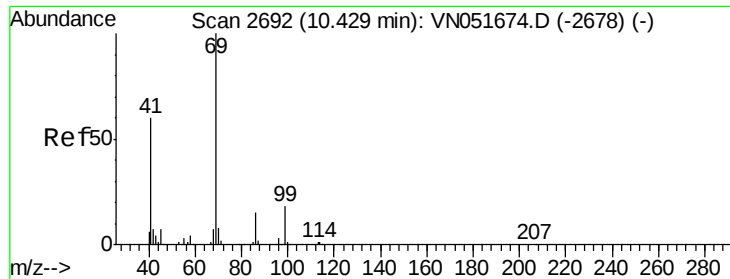


#50

1,1,2-Trichloroethane
 Concen: 22.384 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.5	68.2	102.4
85	54.3	42.5	63.7
99	63.0	44.3	66.5





#51

Ethyl methacrylate

Concen: 21.575 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampled :

VN1009WBSD01

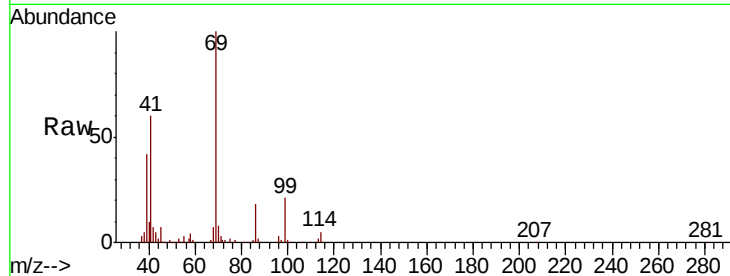
Tot Ion: 69 Resp: 179836

Ion Ratio Lower Upper

69 100

41 59.8 34.4 103.1

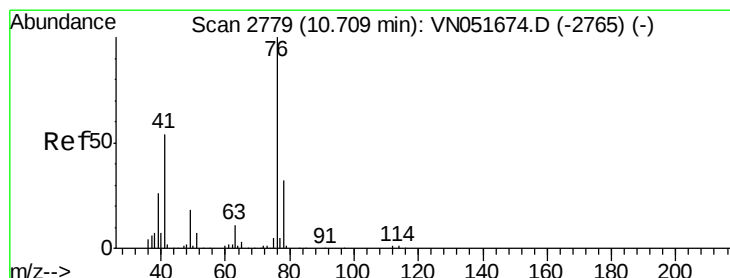
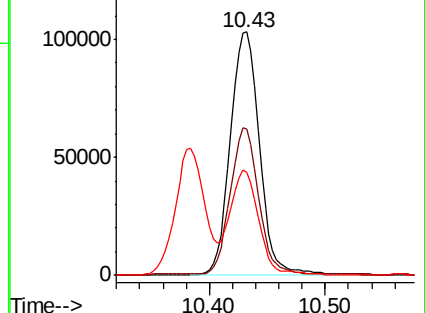
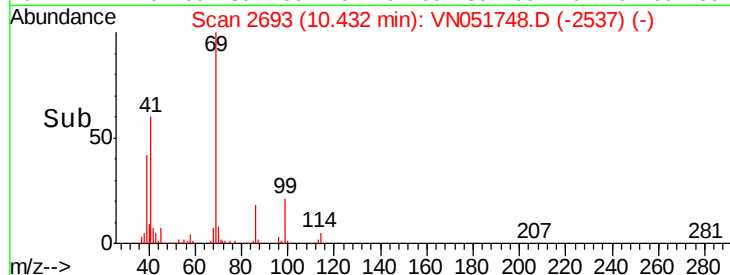
39 42.2 16.3 48.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 21.861 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051748.D

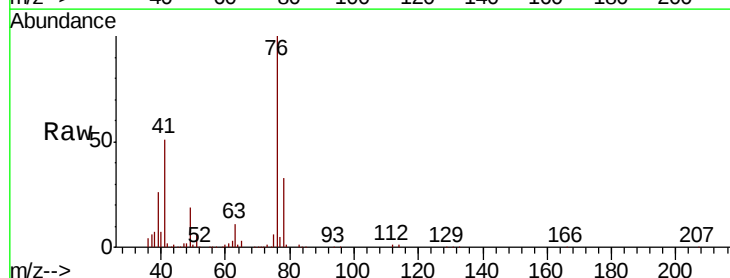
Acq: 9 Oct 2018 13:42

Tgt Ion: 76 Resp: 228174

Ion Ratio Lower Upper

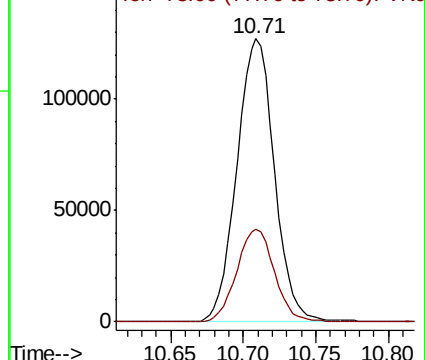
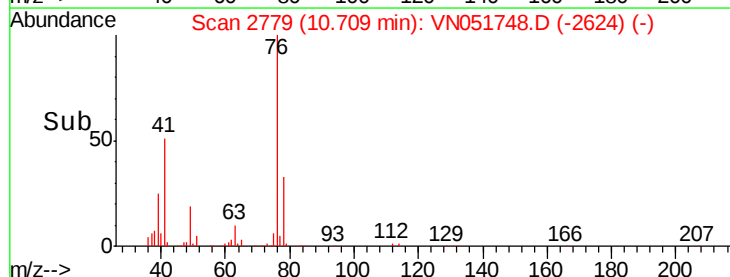
76 100

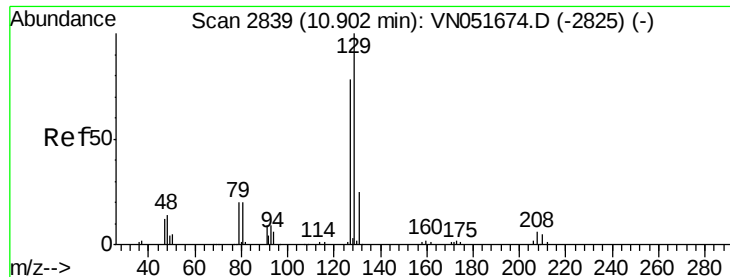
78 33.1 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.815 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampled :

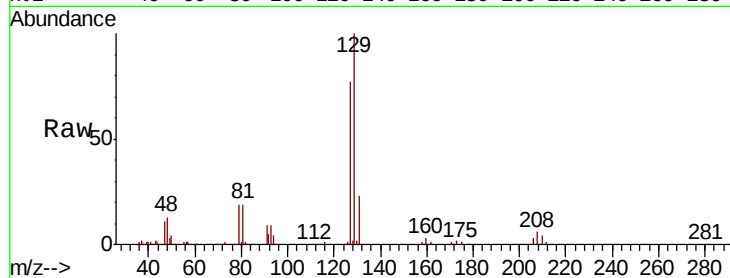
VN1009WBSD01

Tot Ion:129 Resp: 179189

Ion Ratio Lower Upper

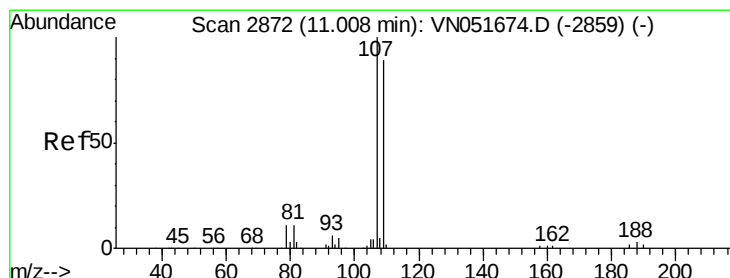
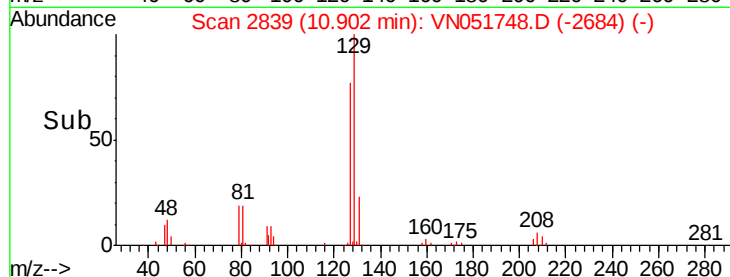
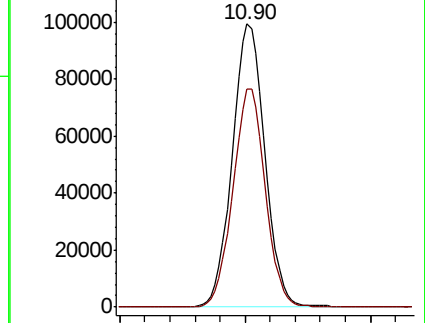
129 100

127 76.4 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.767 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051748.D

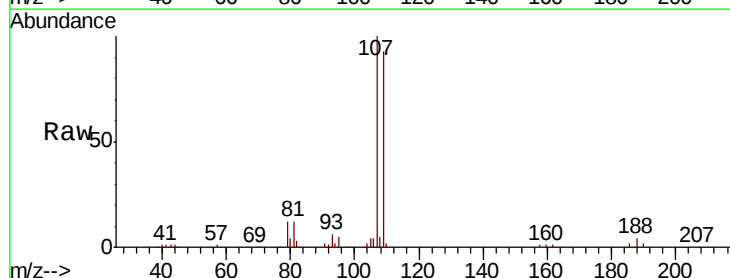
Acq: 9 Oct 2018 13:42

Tgt Ion:107 Resp: 149661

Ion Ratio Lower Upper

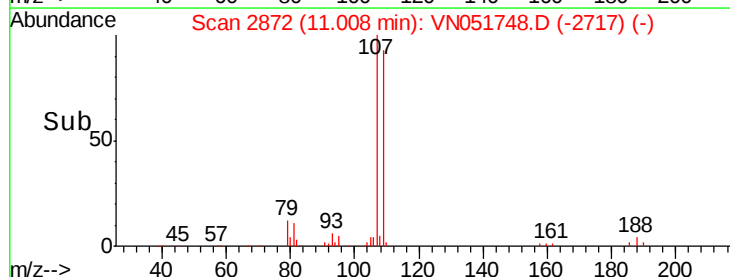
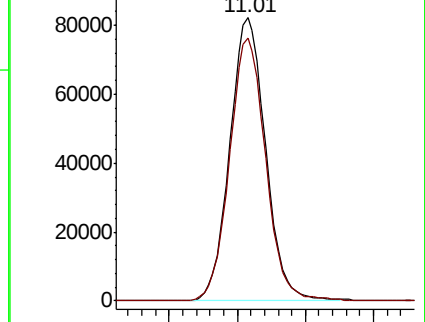
107 100

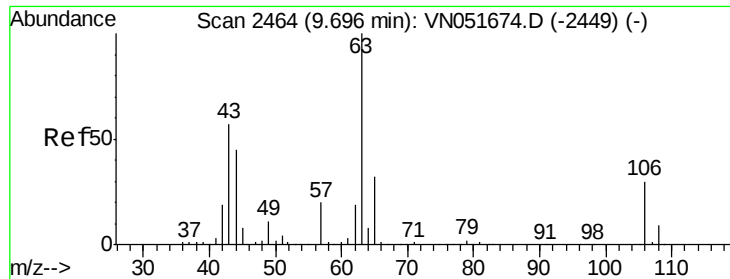
109 93.7 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

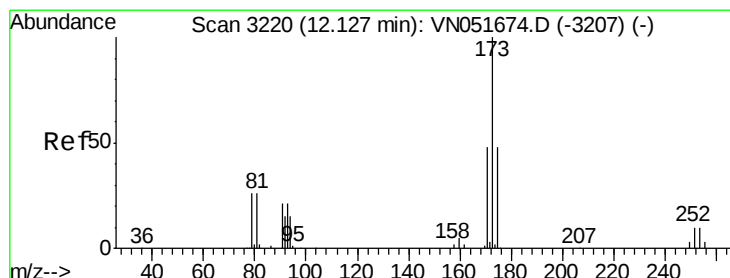
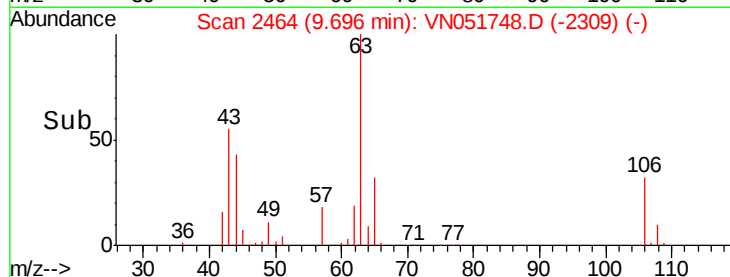
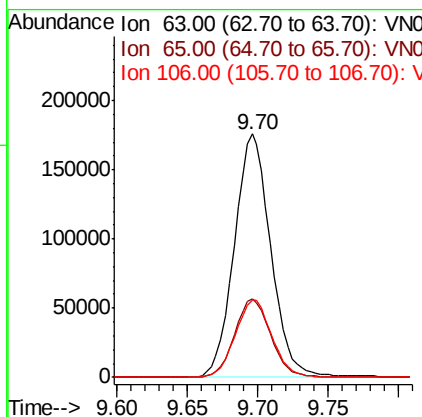
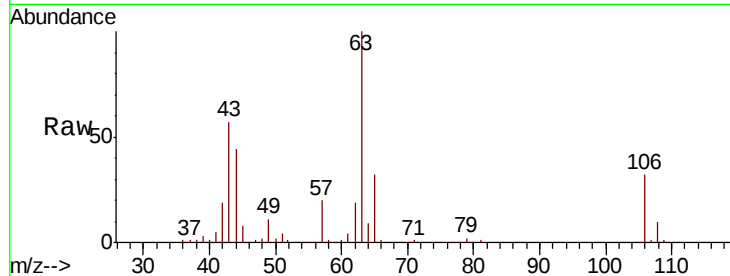




#55
2-Chloroethyl vinyl ether
Concen: 92.218 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

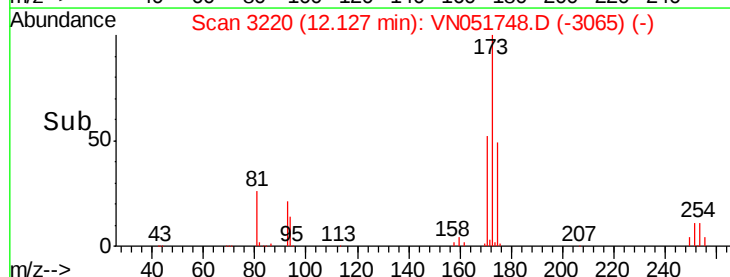
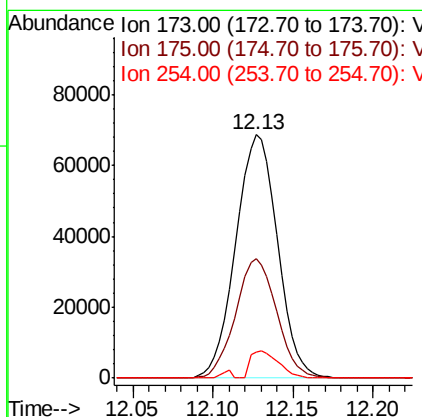
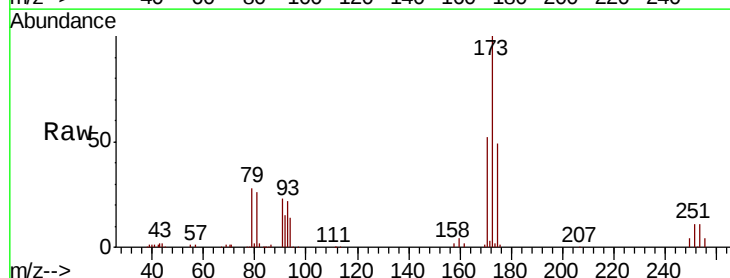
Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

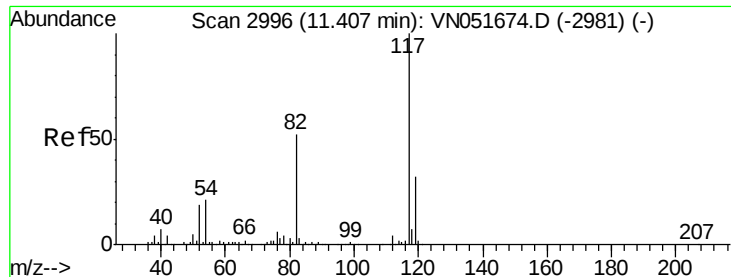
Tot Ion: 63 Resp: 318445
Ion Ratio Lower Upper
63 100
65 32.2 25.4 38.0
106 31.8 21.2 31.8#



#56
Bromoform
Concen: 19.829 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion: 173 Resp: 122373
Ion Ratio Lower Upper
173 100
175 48.3 35.8 53.8
254 7.5 8.6 13.0#

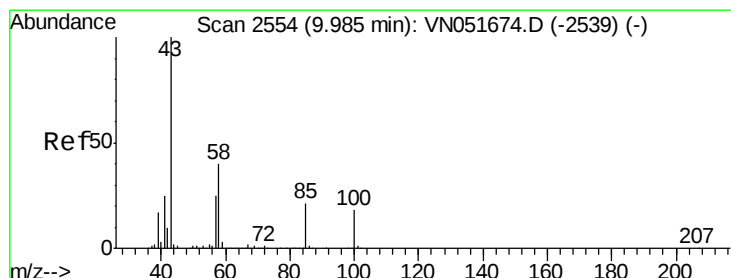
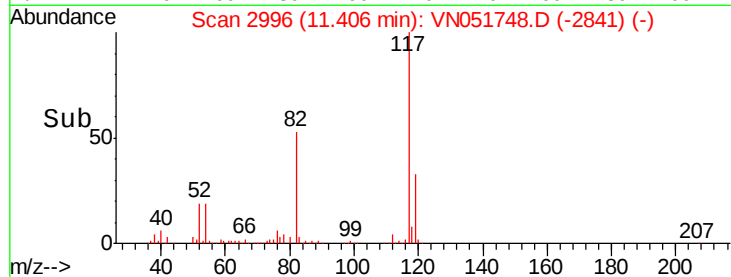
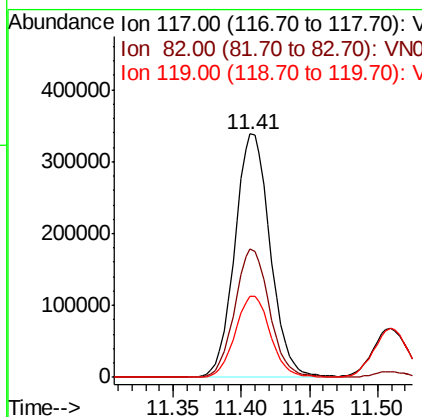
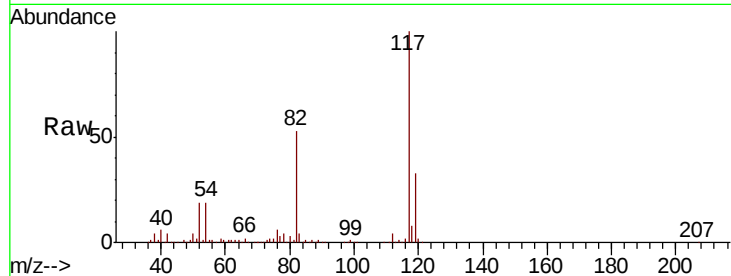




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

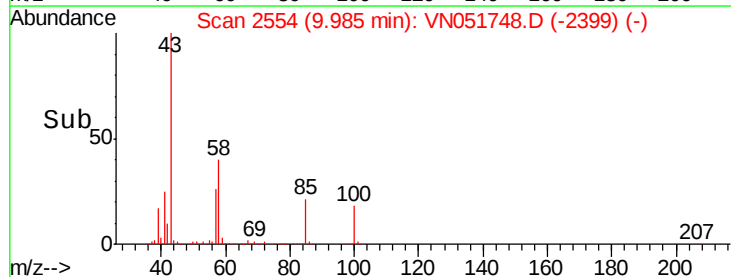
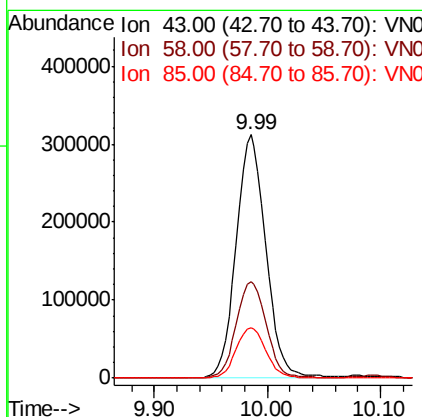
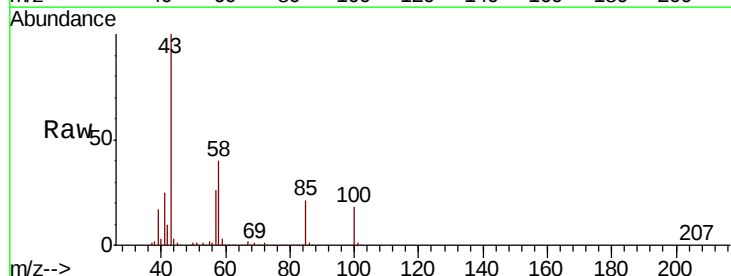
Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

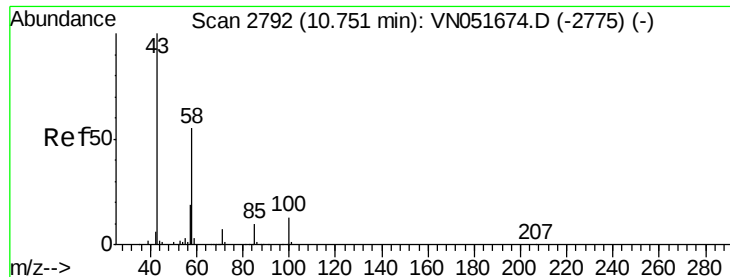
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	44.1	66.1
119	33.2	25.8	38.8



#58
4-Methyl-2-Pentanone
Concen: 113.435 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.4	29.3	43.9
85	21.0	12.6	18.8

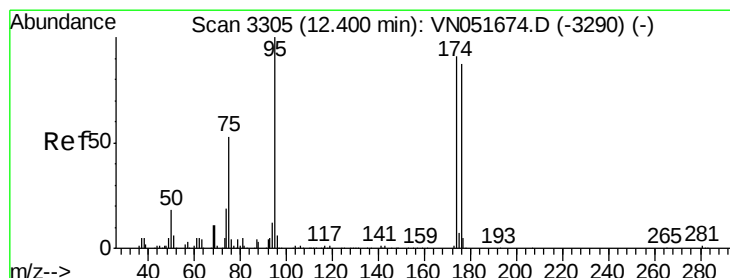
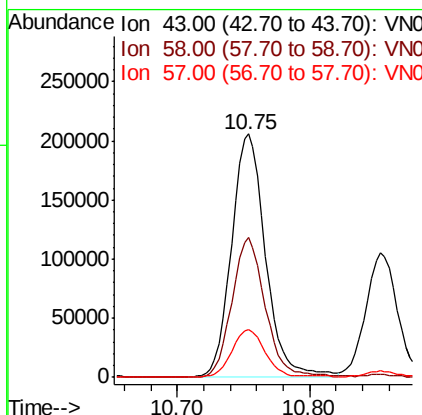
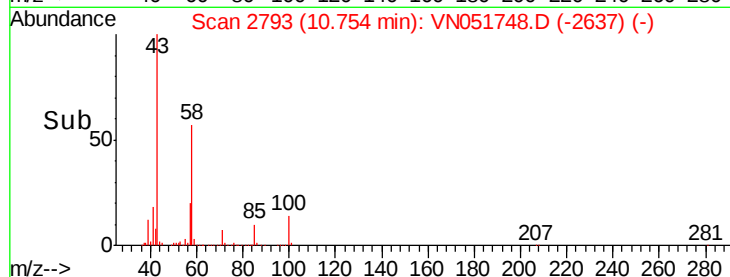
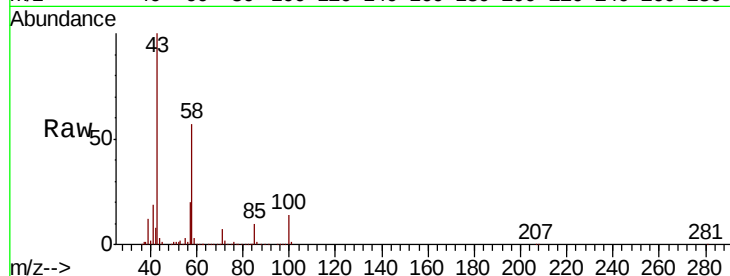




#59
2-Hexanone
Concen: 107.278 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

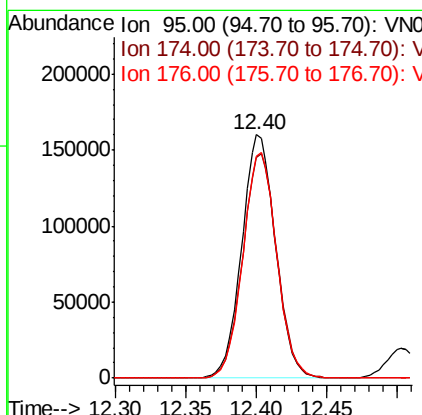
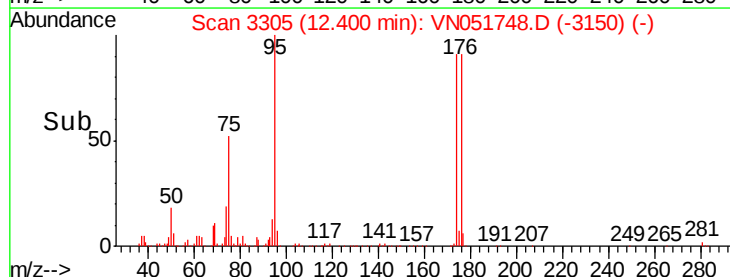
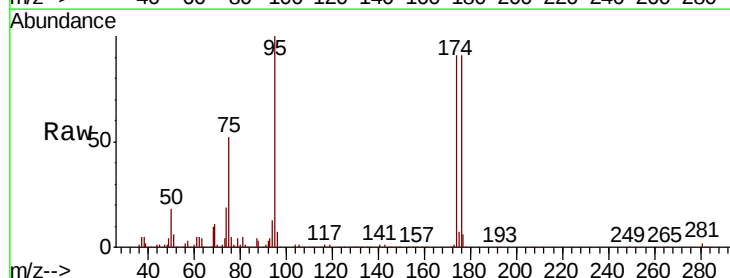
Instrument :
MSVOA_N
ClientSampled :
VN1009WBSD01

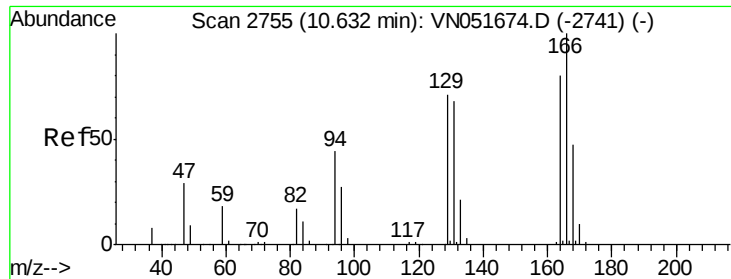
Tot Ion: 43 Resp: 364372
Ion Ratio Lower Upper
43 100
58 56.9 41.3 61.9
57 19.1 13.4 20.0



#60
4-Bromofluorobenzene
Concen: 107.278 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion: 95 Resp: 269165
Ion Ratio Lower Upper
95 100
174 92.9 73.5 110.3
176 92.5 70.2 105.2

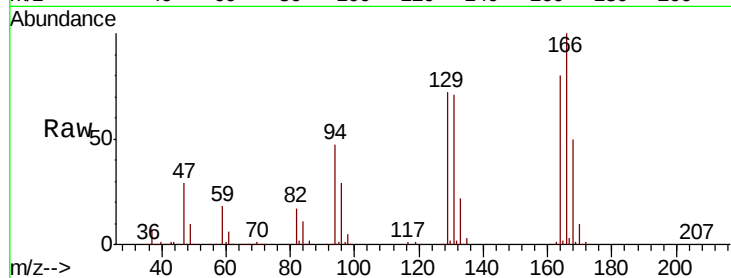




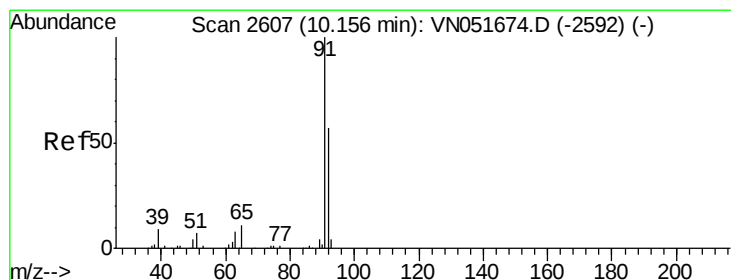
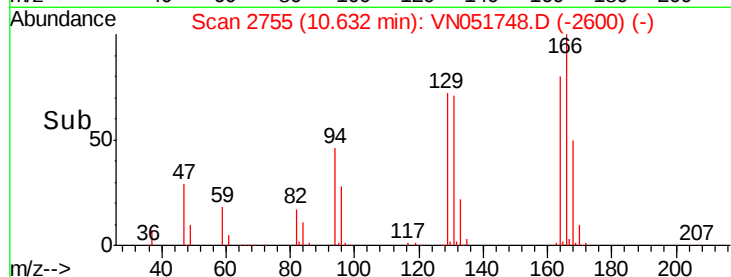
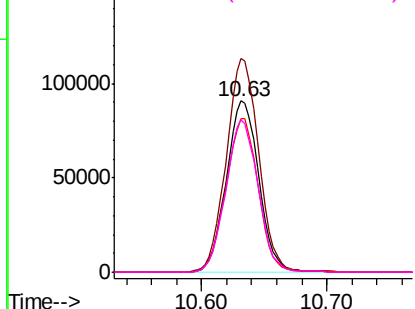
#61
Tetrachloroethene
Concen: 22.772 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion:164 Resp: 163965
Ion Ratio Lower Upper
164 100
166 124.9 98.7 148.1
129 89.4 69.6 104.4
131 89.3 72.4 108.6

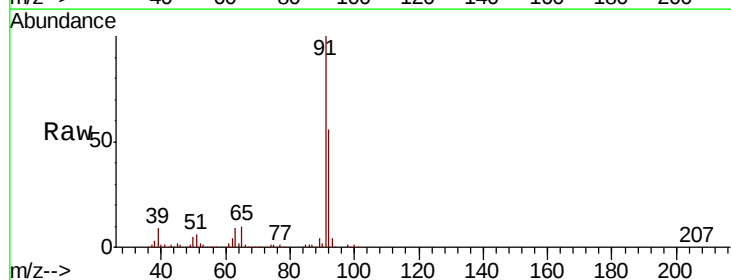


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

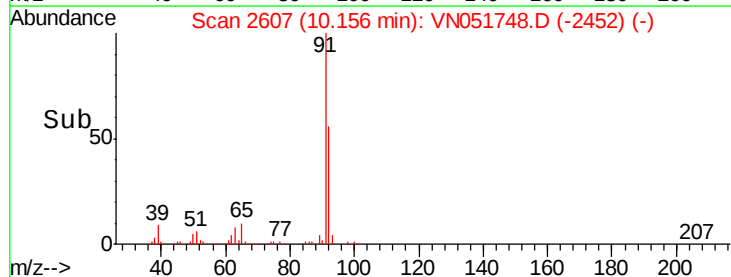
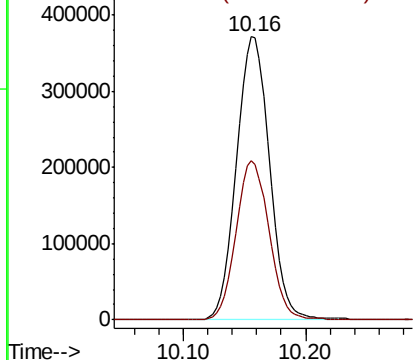


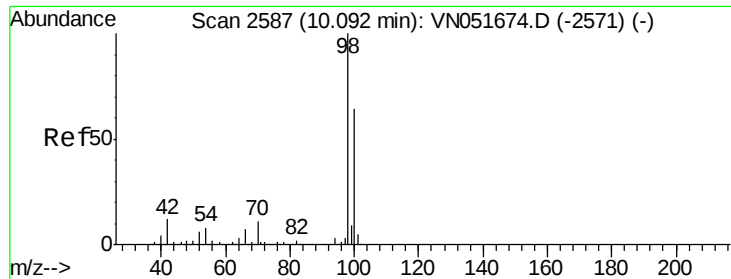
#62
Toluene
Concen: 22.433 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion: 91 Resp: 694510
Ion Ratio Lower Upper
91 100
92 56.6 44.6 66.8



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





#63

Toluene-d8

Concen: 22.433 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

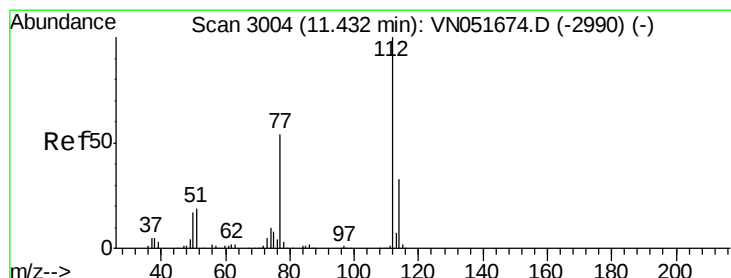
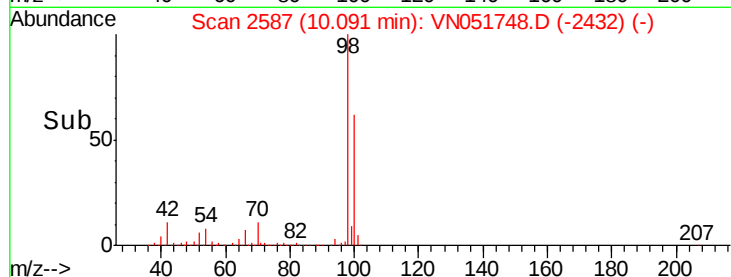
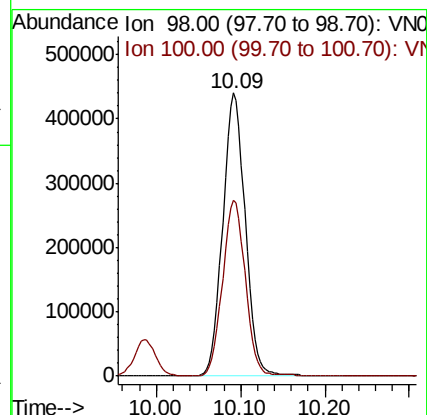
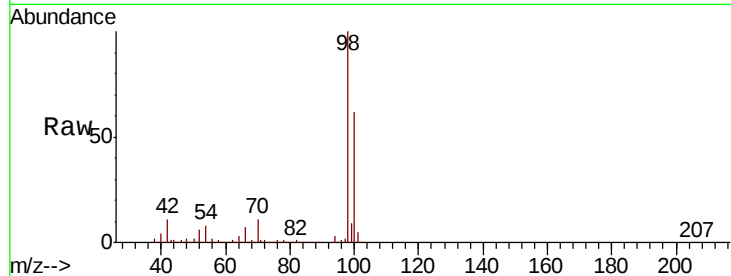
VN1009WBSD01

Tot Ion: 98 Resp: 817051

Ion Ratio Lower Upper

98 100

100 62.2 50.8 76.2



#64

Chlorobenzene

Concen: 22.741 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051748.D

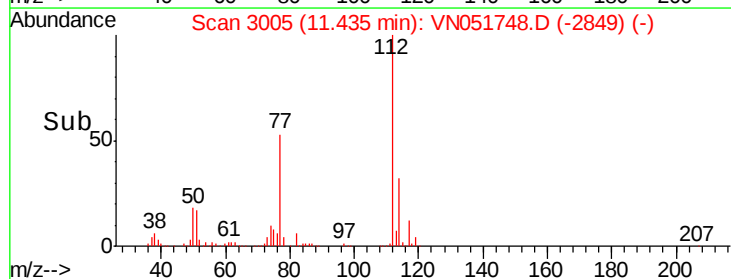
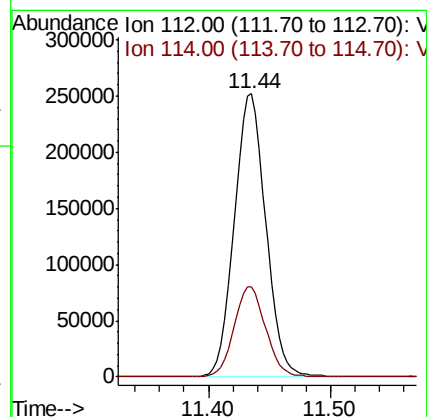
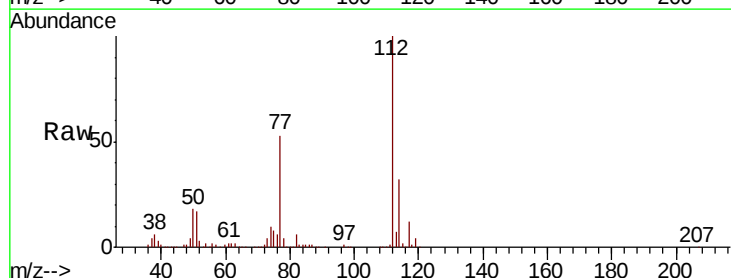
Acq: 9 Oct 2018 13:42

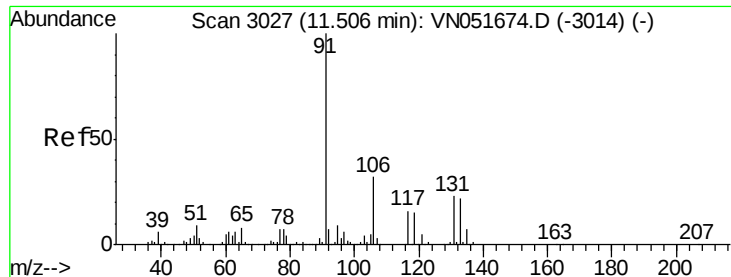
Tgt Ion: 112 Resp: 451886

Ion Ratio Lower Upper

112 100

114 32.0 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 22.269 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampled :

VN1009WBSD01

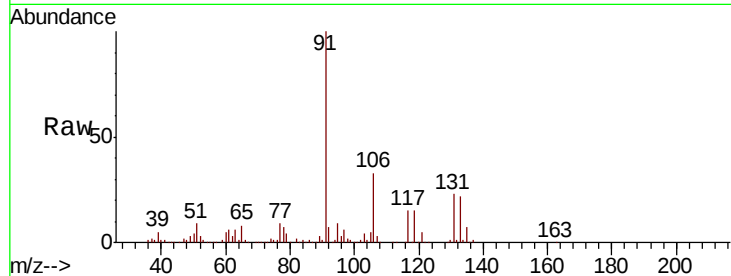
Tot Ion:131 Resp: 180102

Ion Ratio Lower Upper

131 100

133 95.3 0.0 190.4

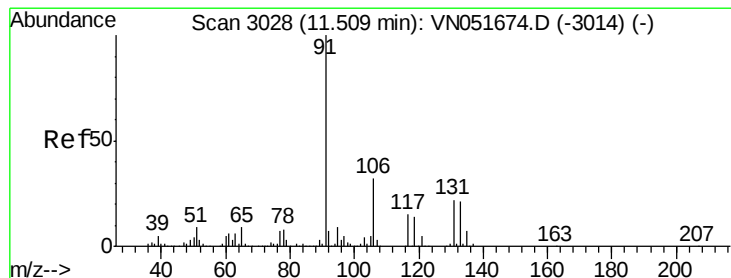
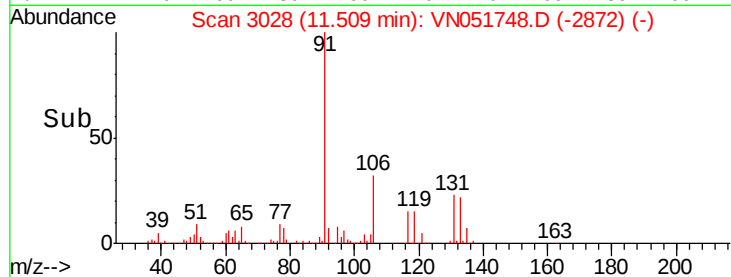
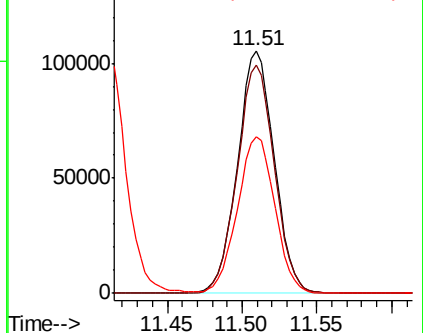
119 66.0 0.0 128.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 22.341 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051748.D

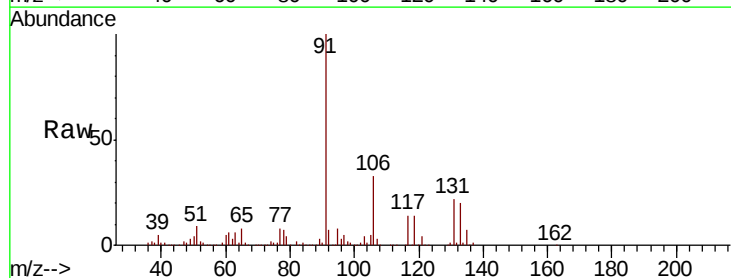
Acq: 9 Oct 2018 13:42

Tgt Ion: 91 Resp: 778063

Ion Ratio Lower Upper

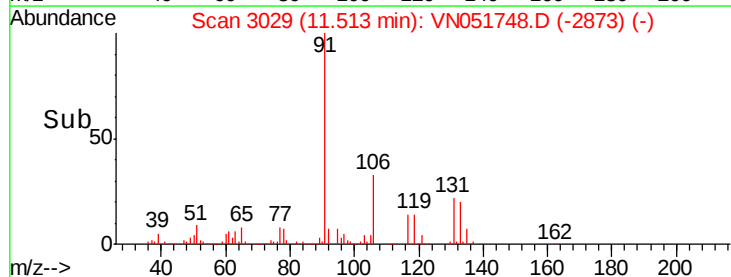
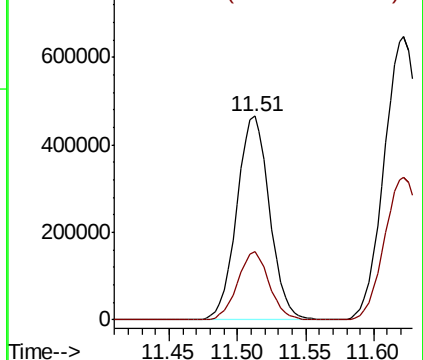
91 100

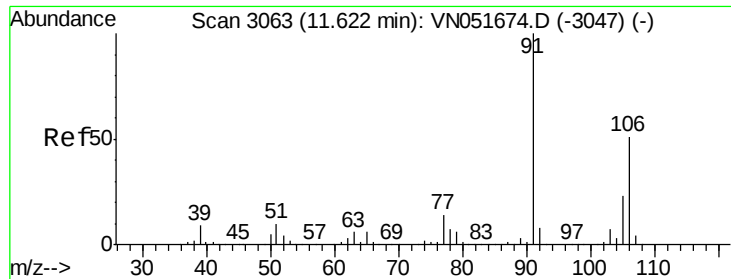
106 33.3 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

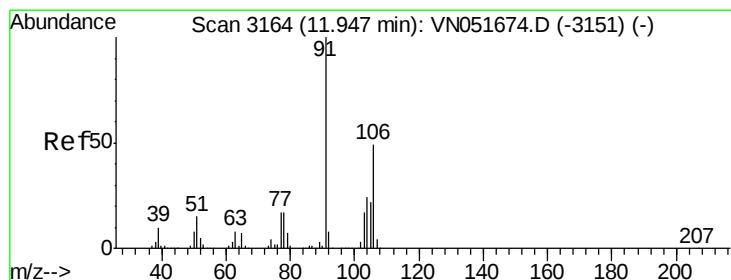
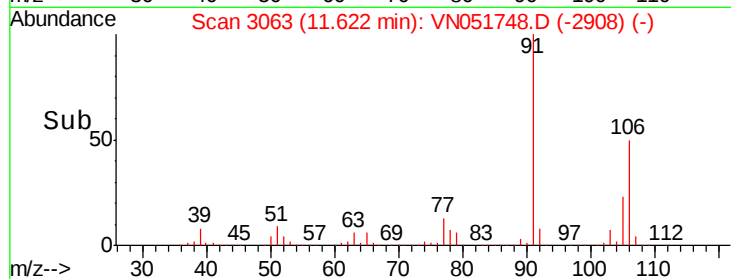
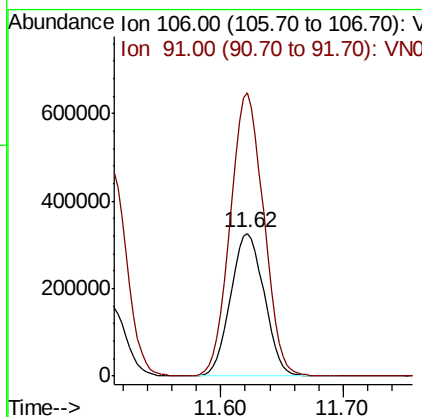
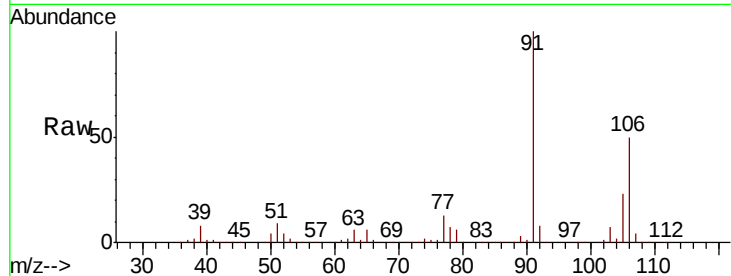




#67
m/p-Xylenes
Concen: 44.958 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

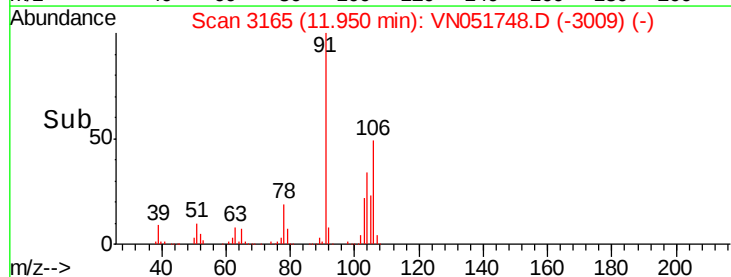
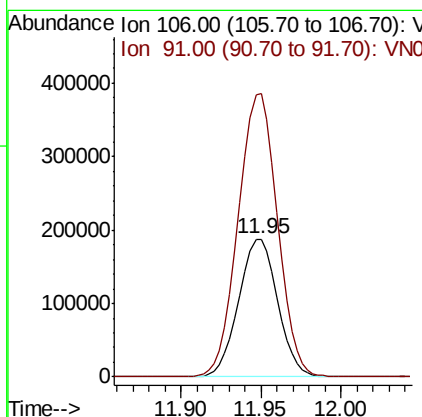
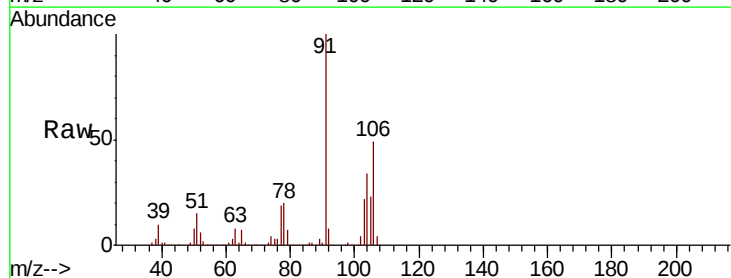
Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

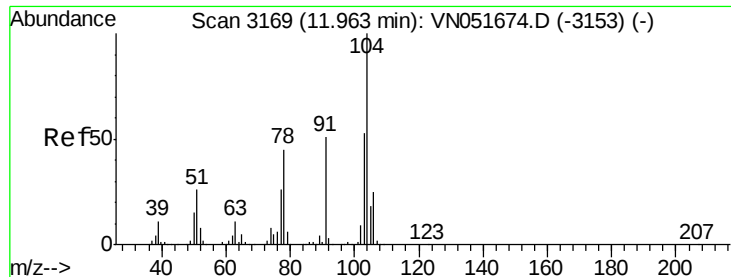
Tot Ion:106 Resp: 626247
Ion Ratio Lower Upper
106 100
91 197.2 158.8 238.2



#68
o-Xylene
Concen: 22.699 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion:106 Resp: 311849
Ion Ratio Lower Upper
106 100
91 207.1 111.1 333.3

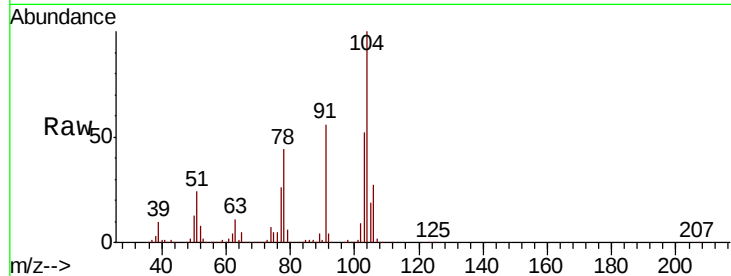




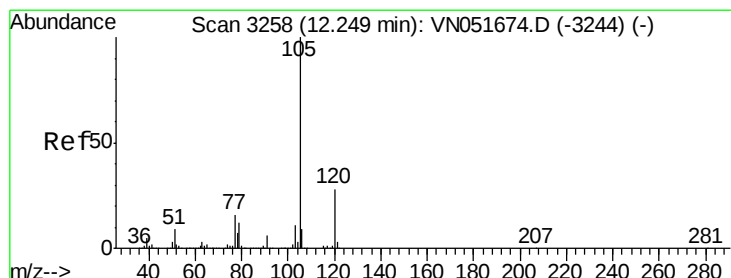
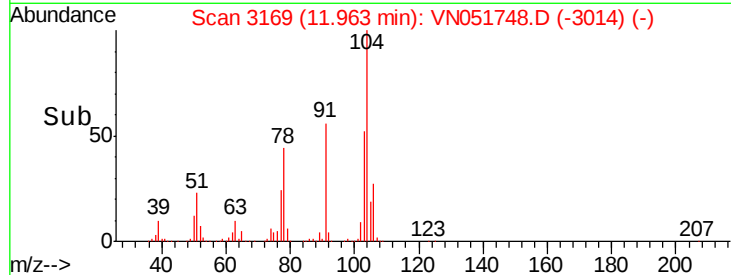
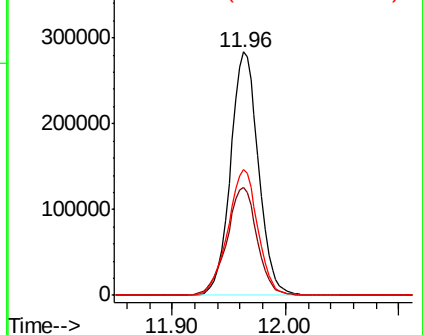
#69
Stvrene
Concen: 22.197 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	40.6	60.8
103	55.5	44.0	66.0

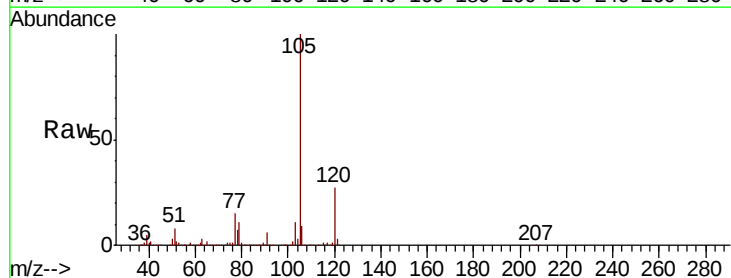


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

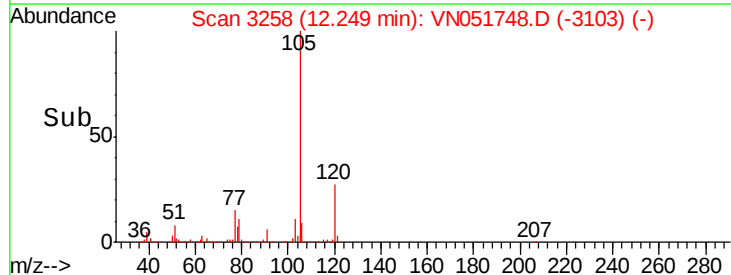
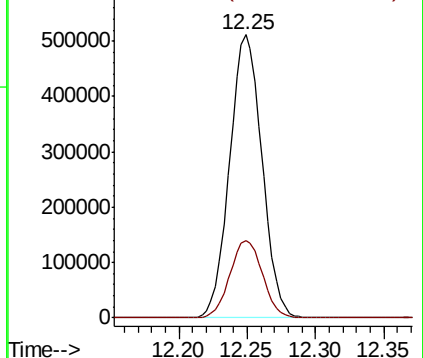


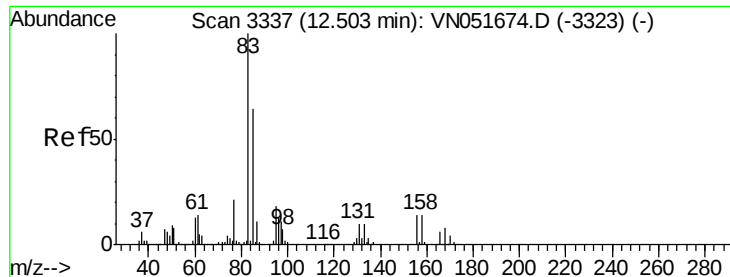
#70
Isopropylbenzene
Concen: 22.820 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	19.0	35.4



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

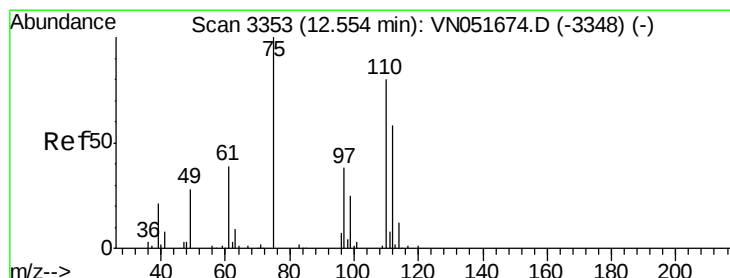
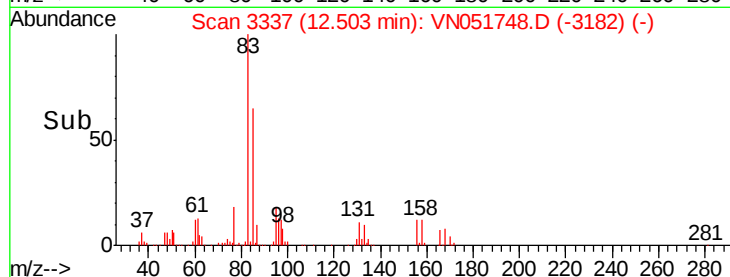
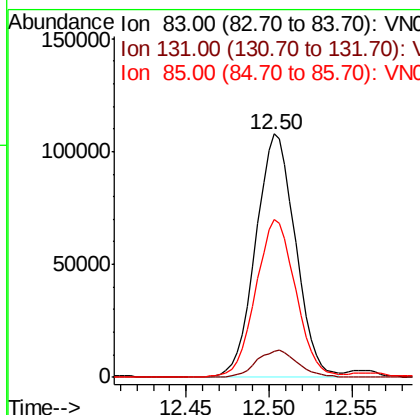
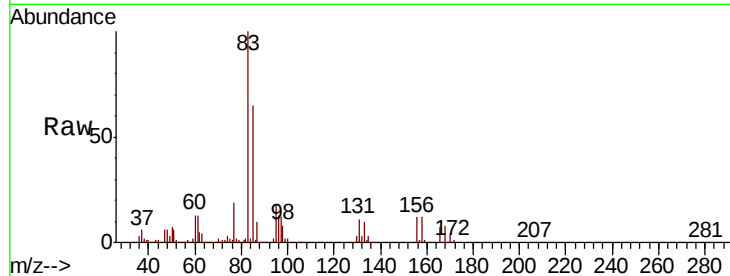




#71
 1,1,2,2-Tetrachloroethane
 Concen: 23.249 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

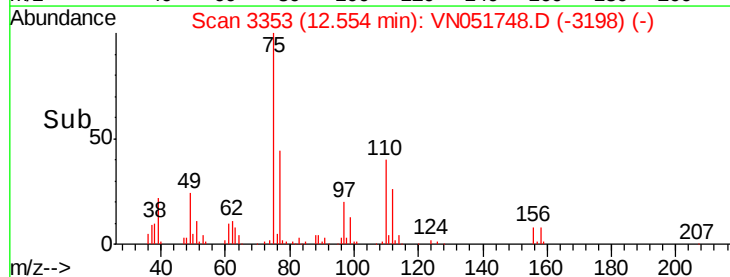
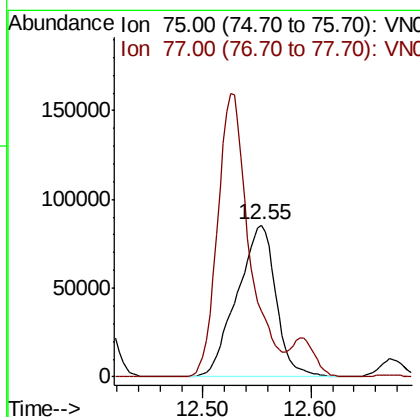
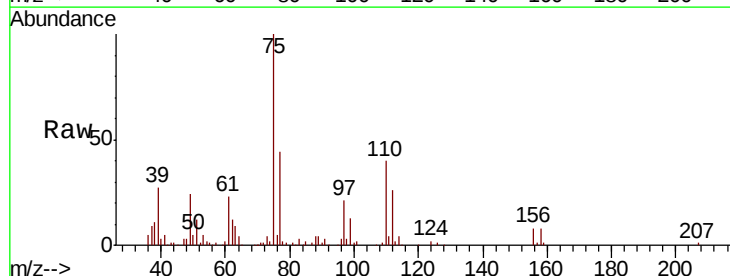
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

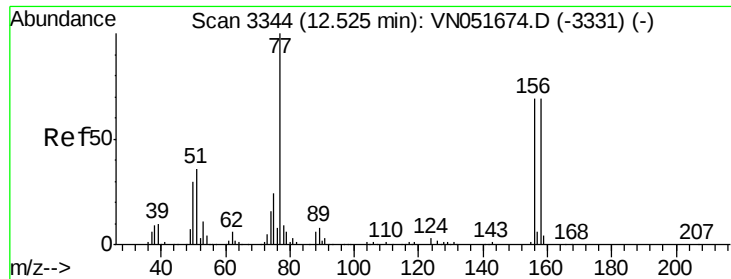
Tot Ion	83	Resp	179241
Ion Ratio	100		
Lower	5.5		
Upper	16.4		
85	64.8	30.6	91.8



#72
 1,2,3-Trichloropropane
 Concen: 34.695 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion	75	Resp	213381
Ion Ratio	100		
Lower	0.0		
Upper	400.0		
77	152.7		





#73

Bromobenzene

Concen: 22.175 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

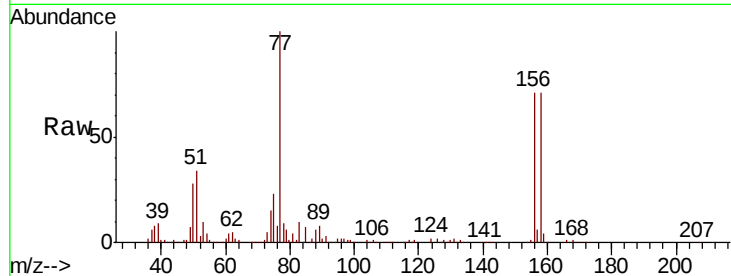
Tot Ion:156 Resp: 196890

Ion Ratio Lower Upper

156 100

77 165.4 0.0 377.4

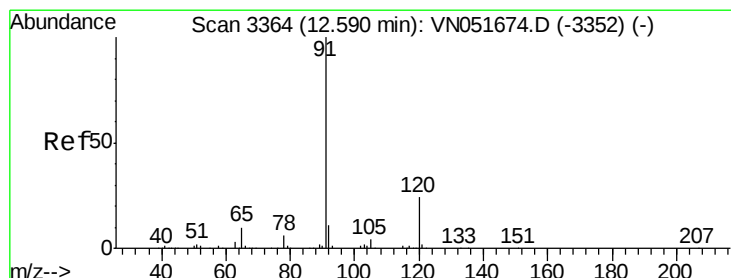
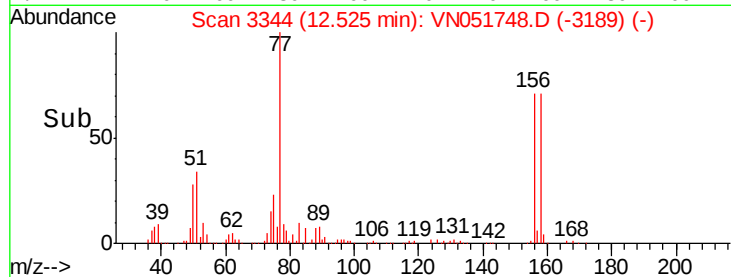
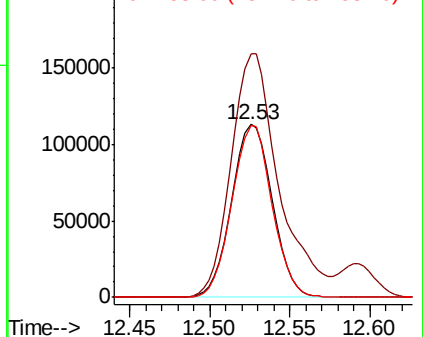
158 97.7 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 22.454 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051748.D

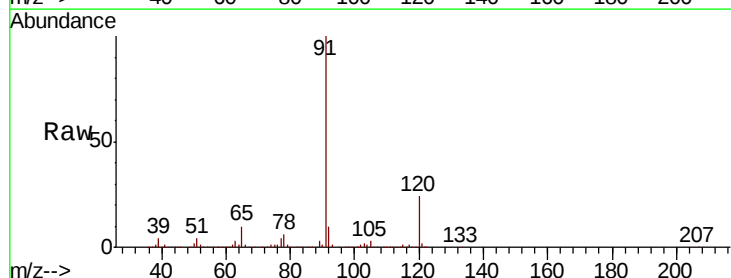
Acq: 9 Oct 2018 13:42

Tgt Ion: 91 Resp: 912530

Ion Ratio Lower Upper

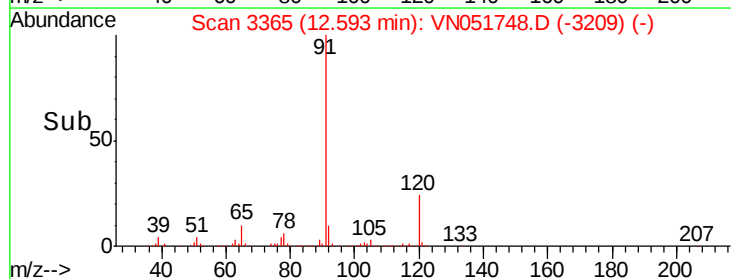
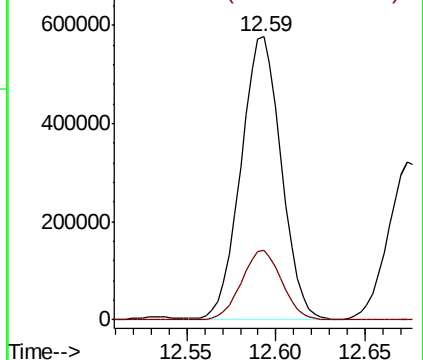
91 100

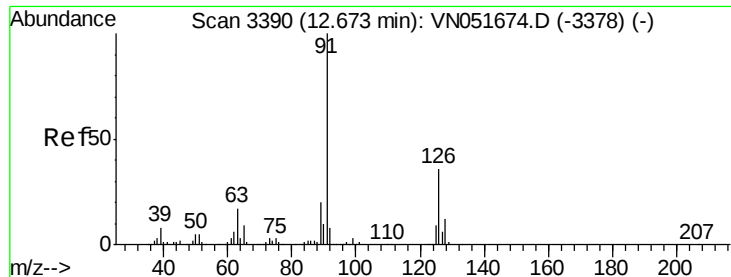
120 24.5 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 22.374 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

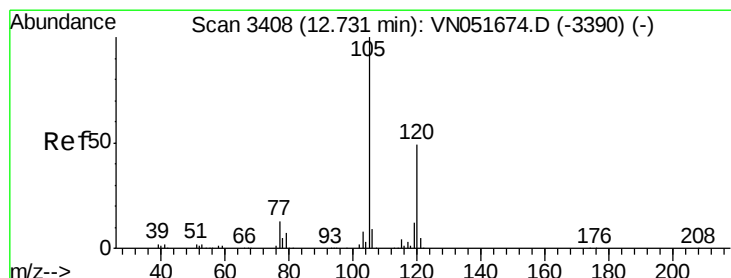
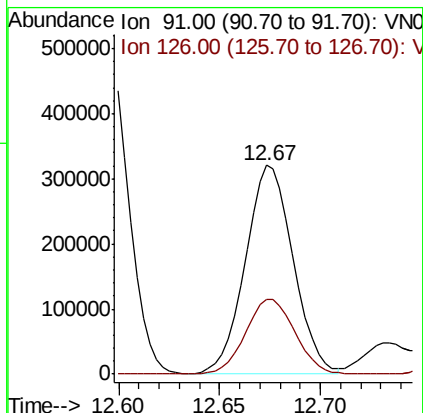
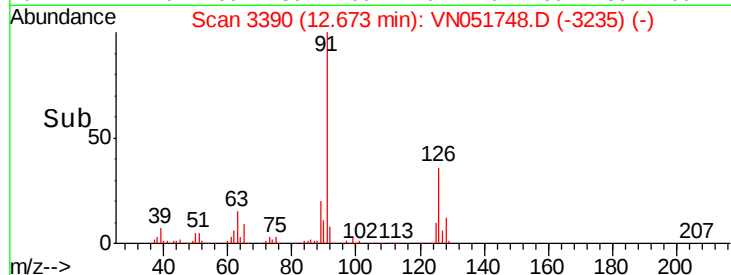
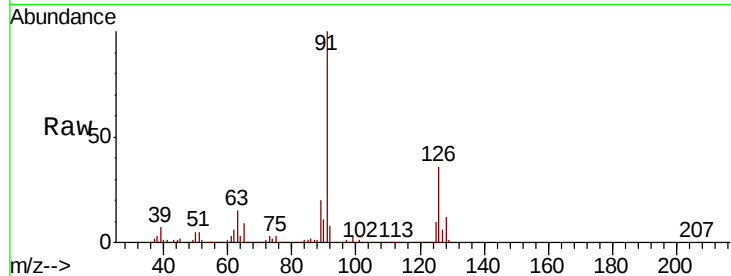
VN1009WBSD01

Tot Ion: 91 Resp: 531297

Ion Ratio Lower Upper

91 100

126 37.2 0.0 67.6



#76

1,3,5-Trimethylbenzene

Concen: 22.676 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051748.D

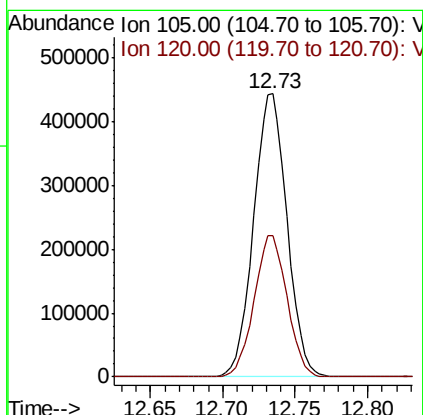
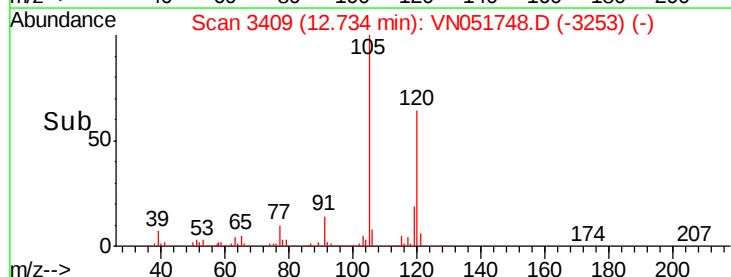
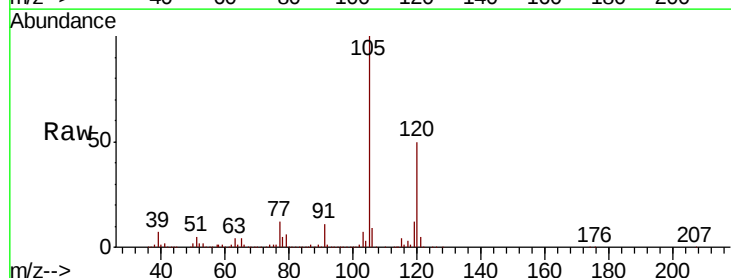
Acq: 9 Oct 2018 13:42

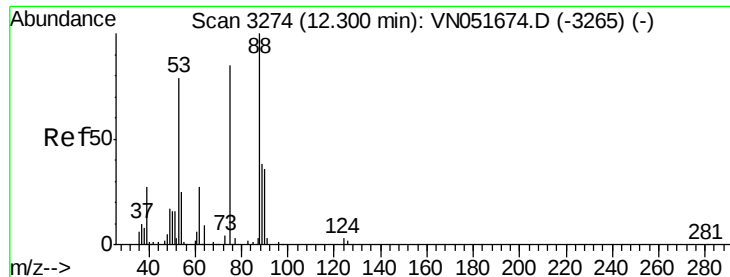
Tgt Ion: 105 Resp: 710330

Ion Ratio Lower Upper

105 100

120 49.5 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 20.622 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampled :

VN1009WBSD01

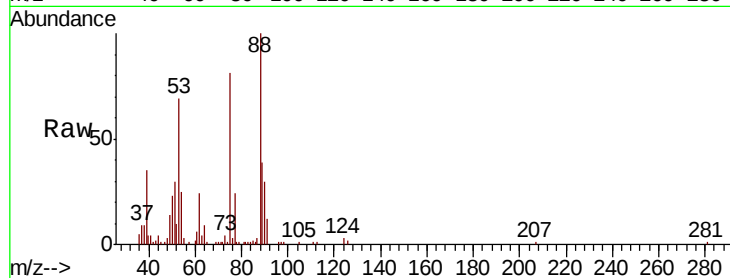
Tot Ion: 75 Resp: 47287

Ion Ratio Lower Upper

75 100

53 84.7 46.3 138.9

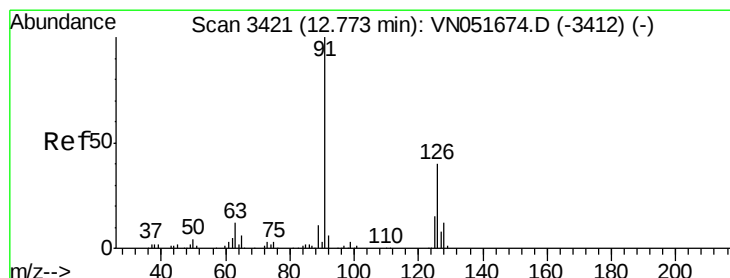
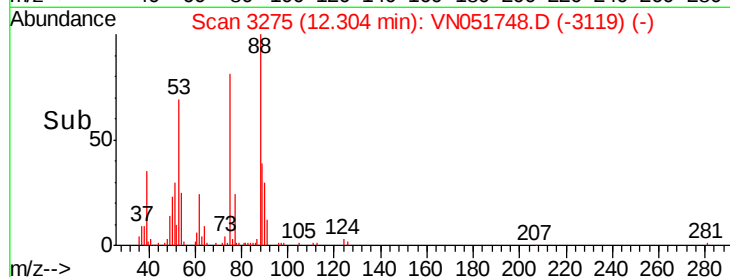
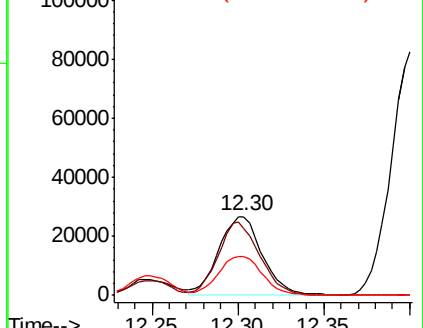
89 48.7 24.6 73.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 22.250 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051748.D

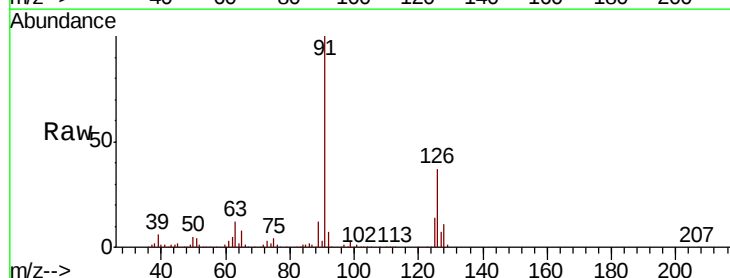
Acq: 9 Oct 2018 13:42

Tgt Ion: 91 Resp: 529488

Ion Ratio Lower Upper

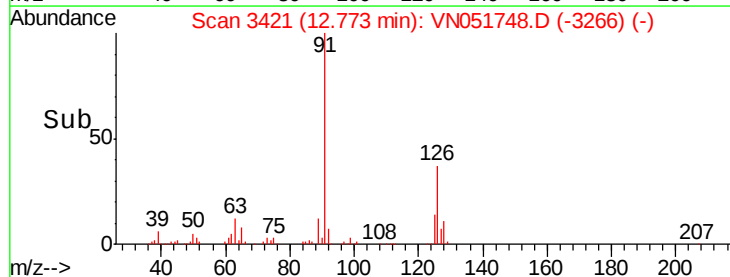
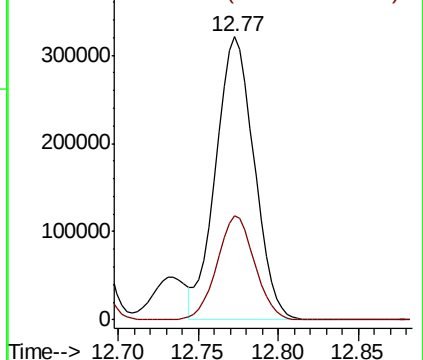
91 100

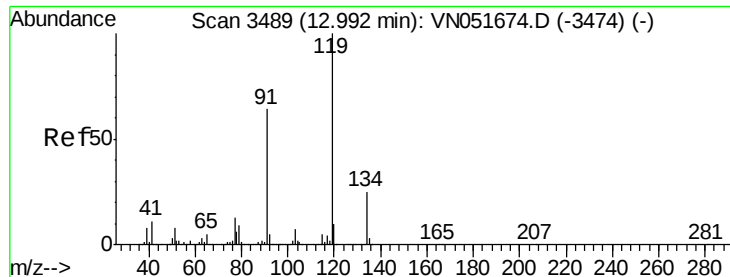
126 35.9 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 22.953 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

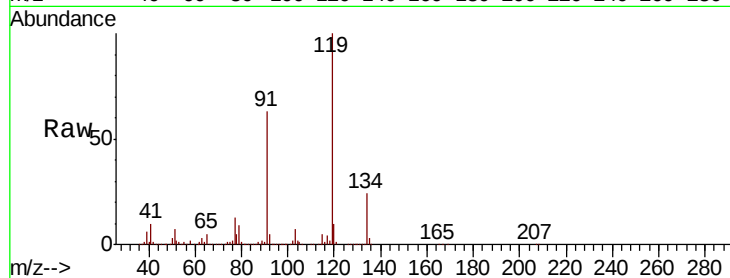
Tot Ion:119 Resp: 646687

Ion Ratio Lower Upper

119 100

91 62.5 0.0 131.6

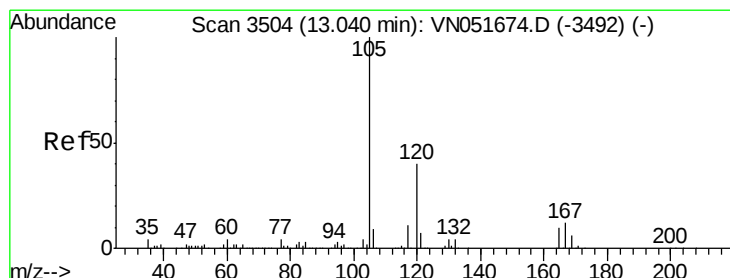
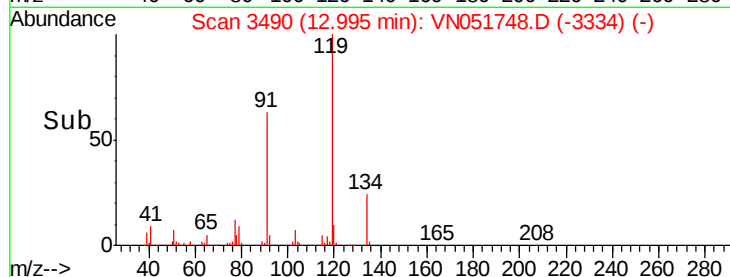
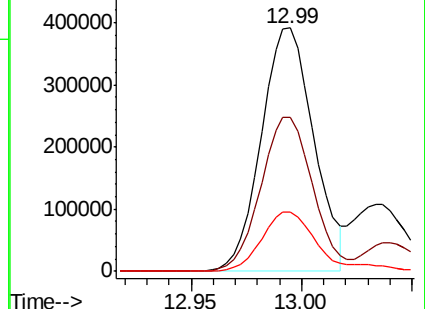
134 24.2 0.0 46.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 23.124 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051748.D

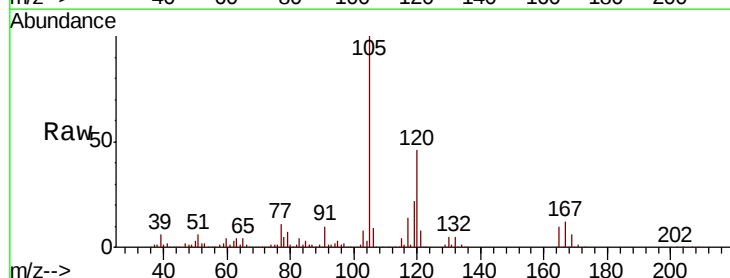
Acq: 9 Oct 2018 13:42

Tgt Ion:105 Resp: 720505

Ion Ratio Lower Upper

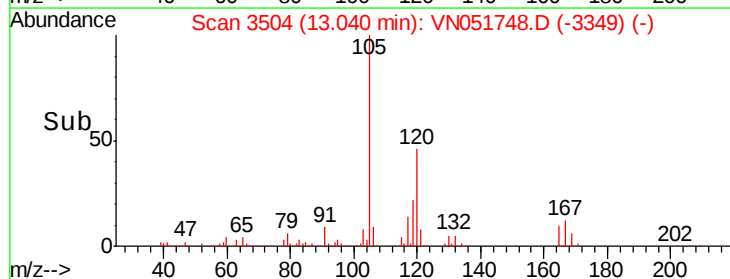
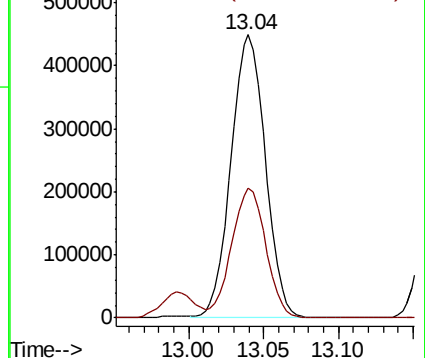
105 100

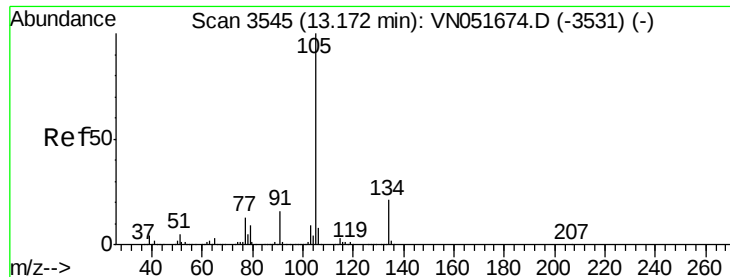
120 45.8 0.0 89.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 22.950 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

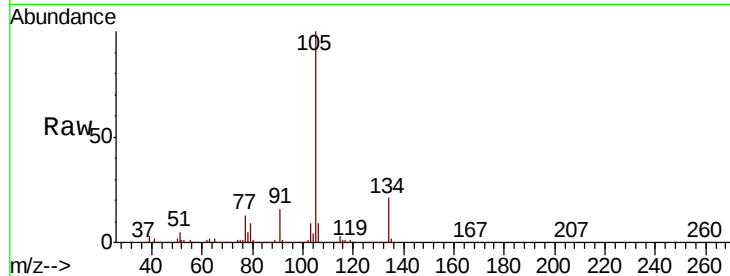
VN1009WBSD01

Tot Ion:105 Resp: 864973

Ion Ratio Lower Upper

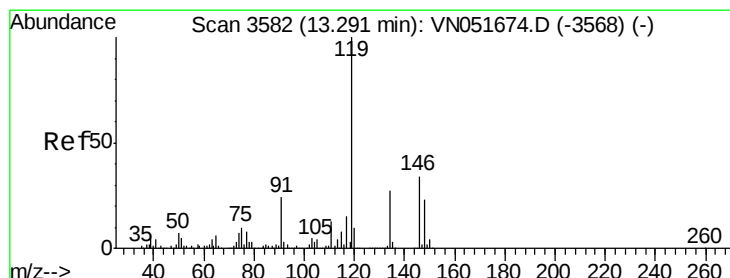
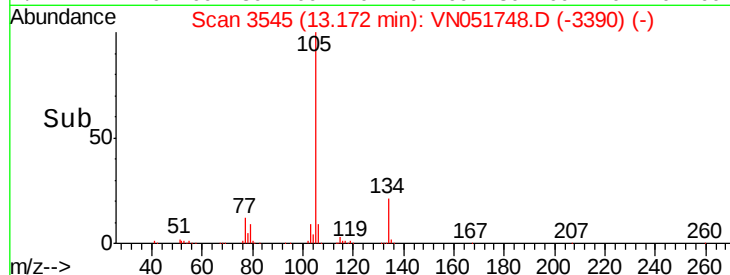
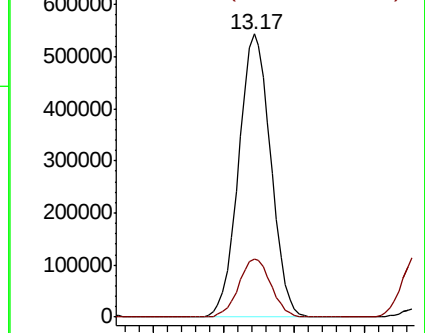
105 100

134 20.7 0.0 39.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 23.202 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

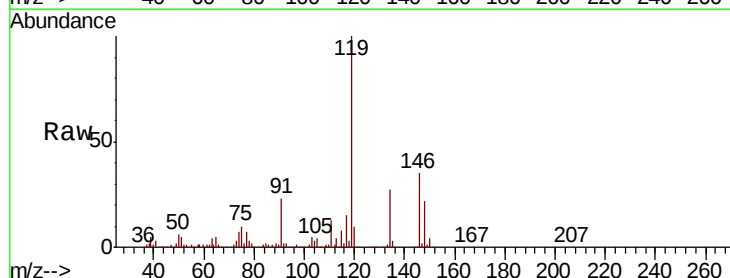
Tgt Ion:119 Resp: 770397

Ion Ratio Lower Upper

119 100

134 26.8 0.0 53.6

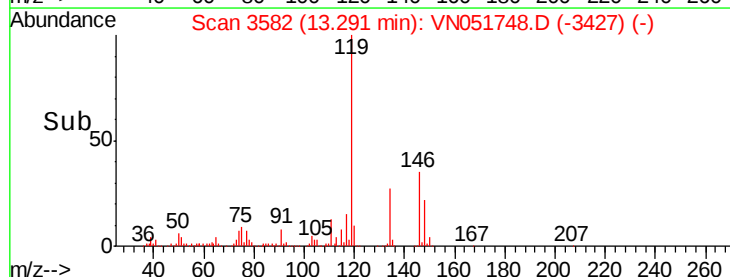
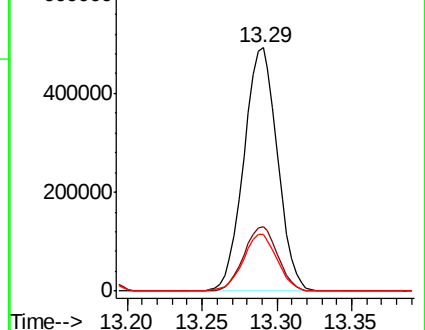
91 23.7 0.0 52.0

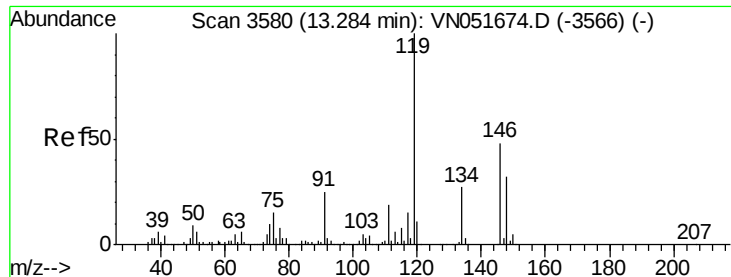


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

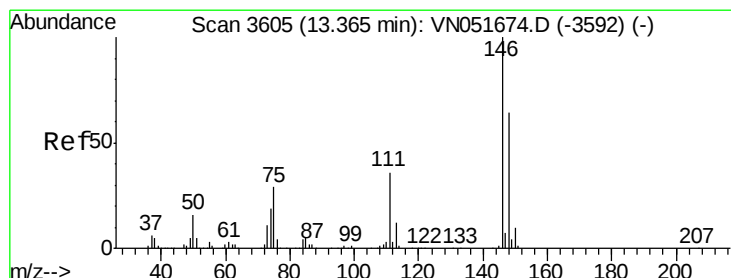
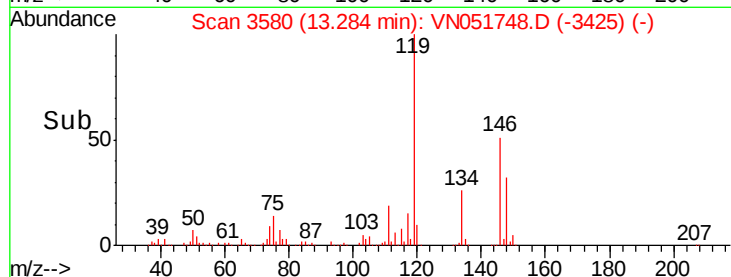
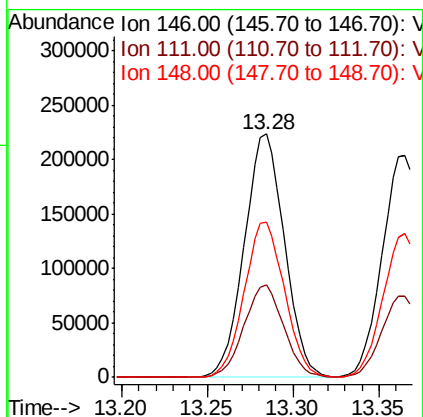
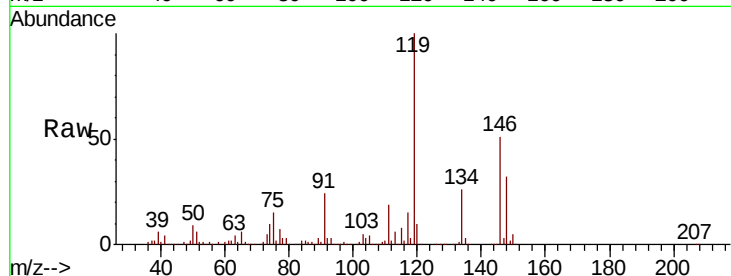




#83
 1,3-Dichlorobenzene
 Concen: 22.846 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

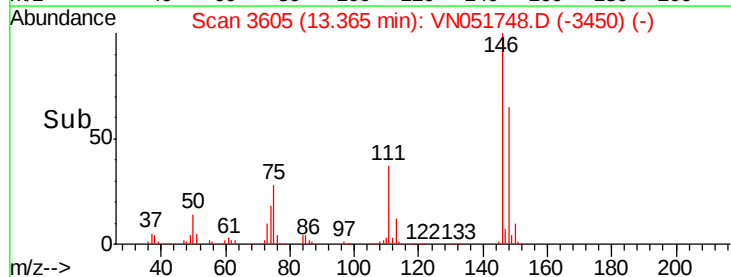
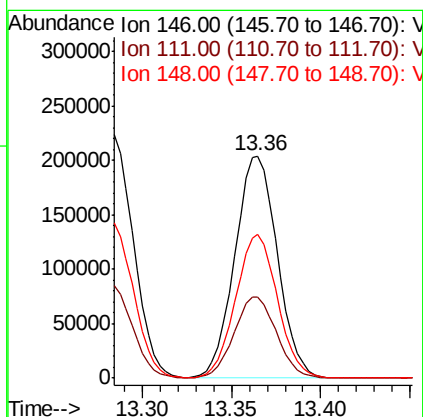
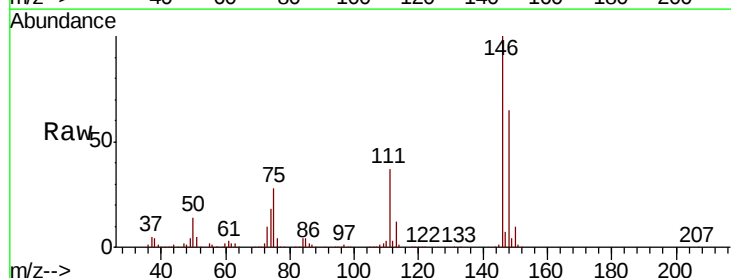
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

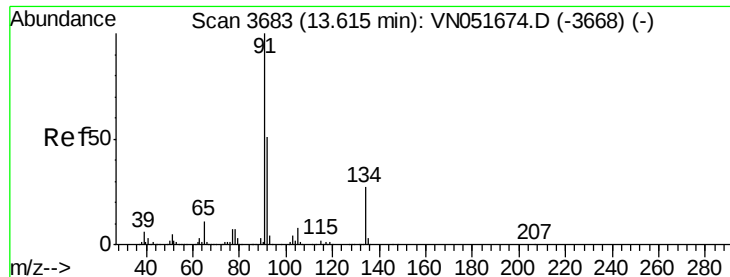
Tot Ion:146 Resp: 362762
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.1 54.3
 148 63.9 31.3 93.8



#84
 1,4-Dichlorobenzene
 Concen: 22.313 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion:146 Resp: 338570
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.4 52.2
 148 63.7 32.8 98.3

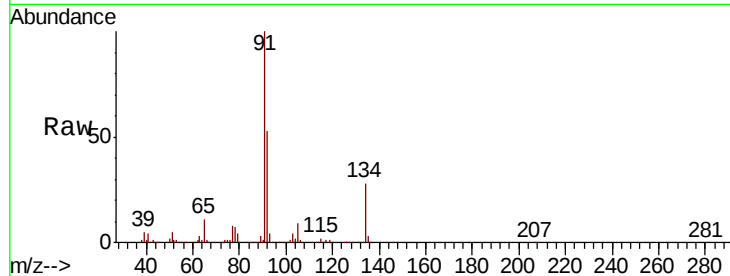




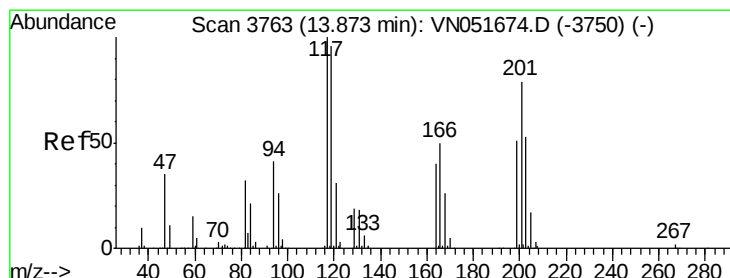
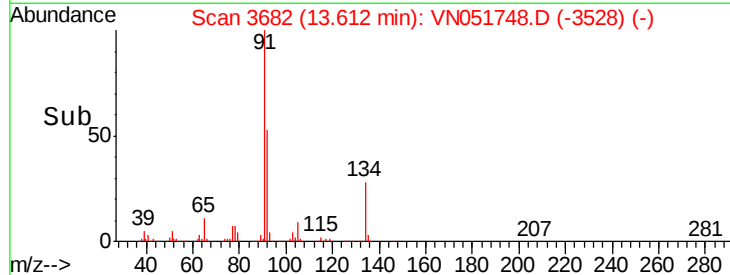
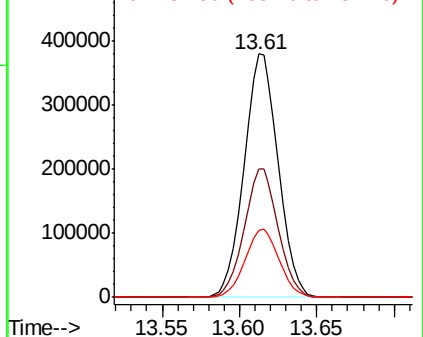
#85
n-Butylbenzene
Concen: 22.160 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion: 91 Resp: 581591
Ion Ratio Lower Upper
91 100
92 52.2 0.0 97.4
134 28.0 0.0 49.6

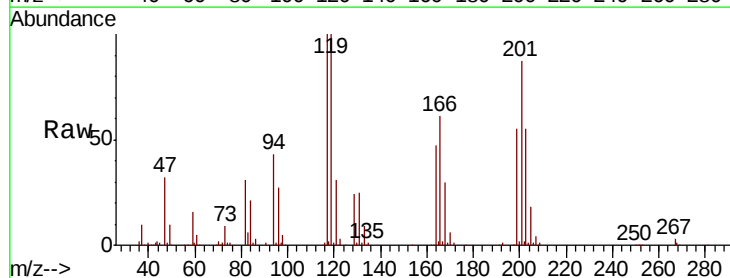


Abundance Ion 91.00 (90.70 to 91.70): VN051748.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN051748.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN051748.D (-3668) (-)

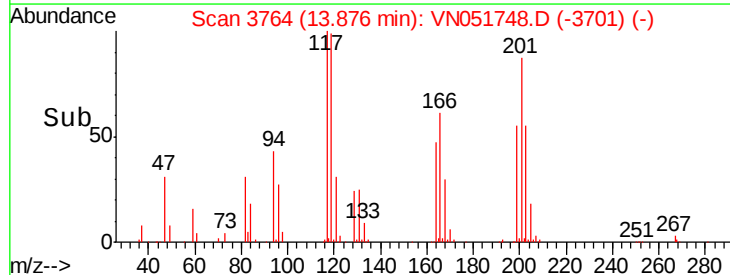
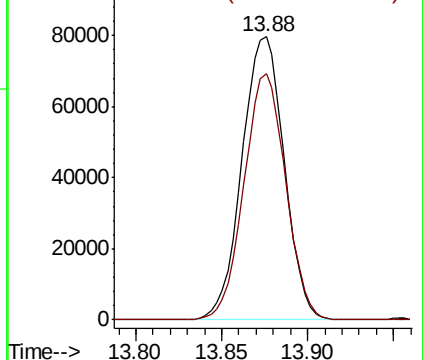


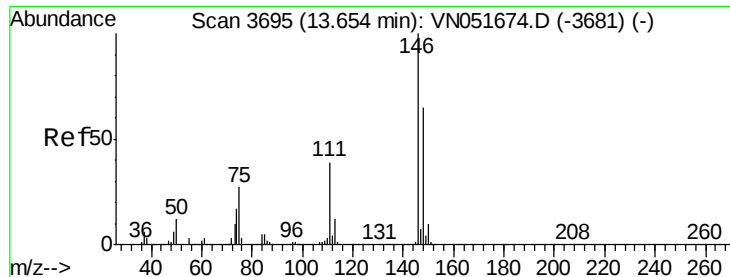
#86
Hexachloroethane
Concen: 20.728 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion: 117 Resp: 136176
Ion Ratio Lower Upper
117 100
201 85.7 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN051748.D (-3750) (-)
Ion 201.00 (200.70 to 201.70): VN051748.D (-3750) (-)

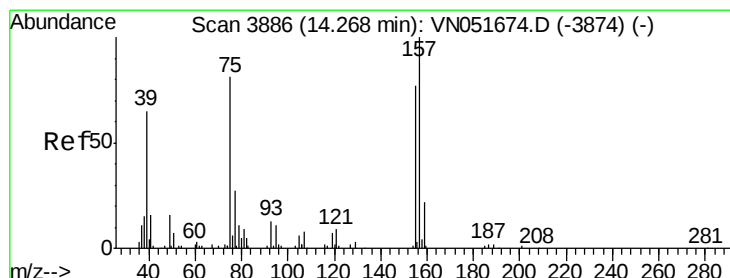
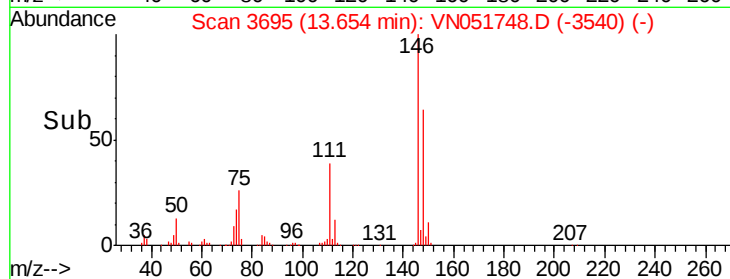
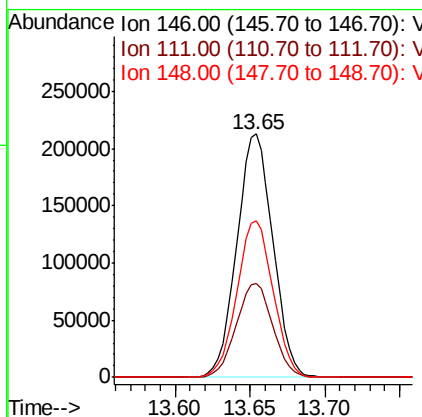
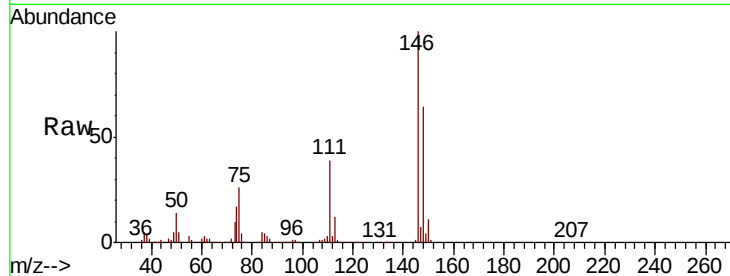




#87
 1,2-Dichlorobenzene
 Concen: 22.965 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

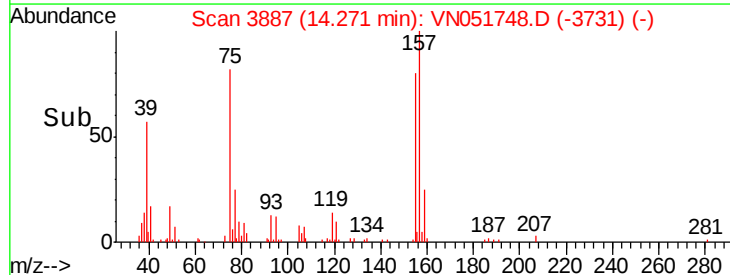
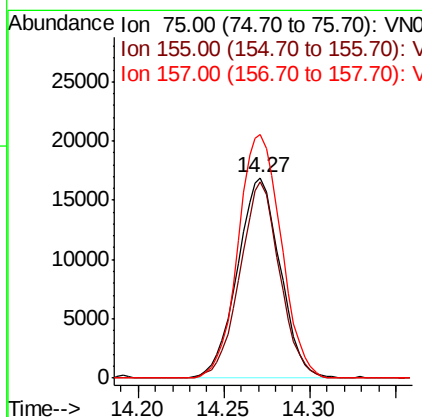
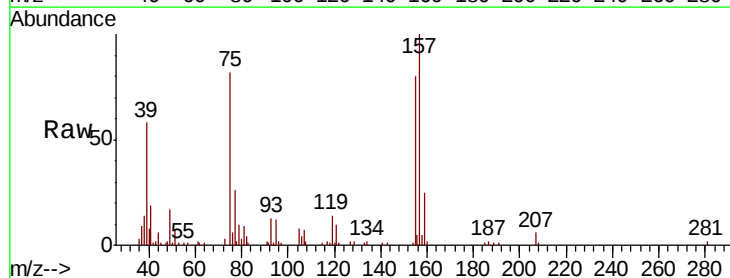
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

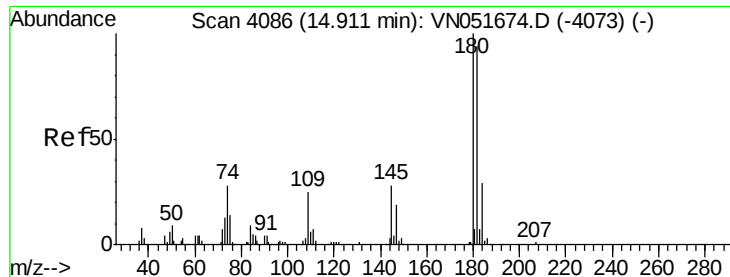
Tot Ion:146 Resp: 357331
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.8 62.2
 148 64.5 33.2 99.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.062 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion: 75 Resp: 29276
 Ion Ratio Lower Upper
 75 100
 155 90.8 57.0 85.6#
 157 121.8 87.4 131.0

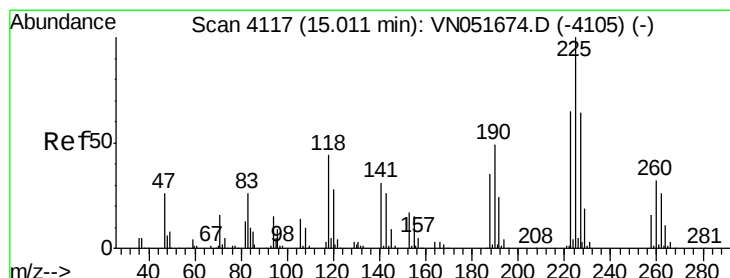
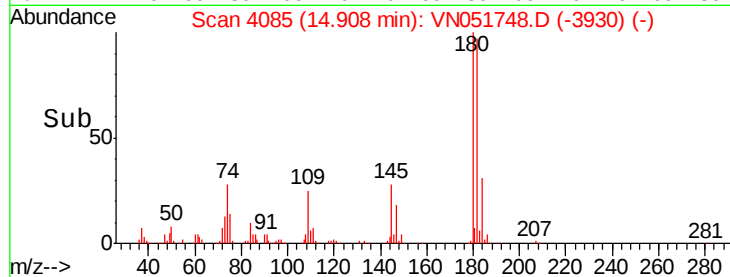
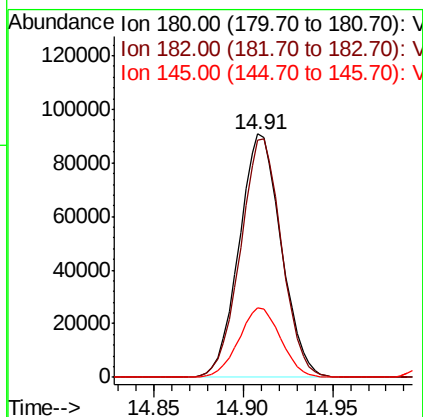
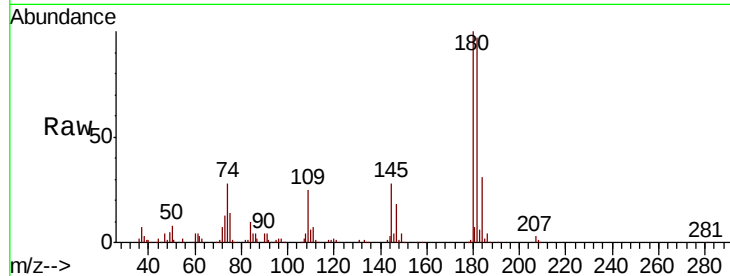




#89
 1,2,4-Trichlorobenzene
 Concen: 22.607 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

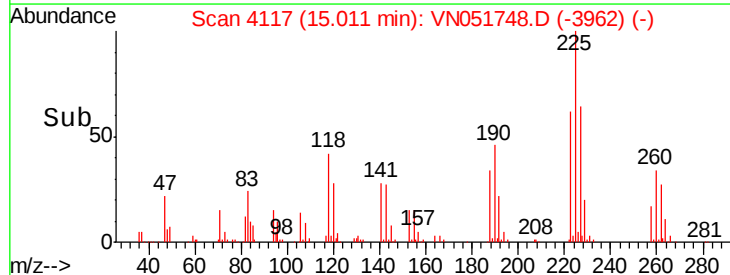
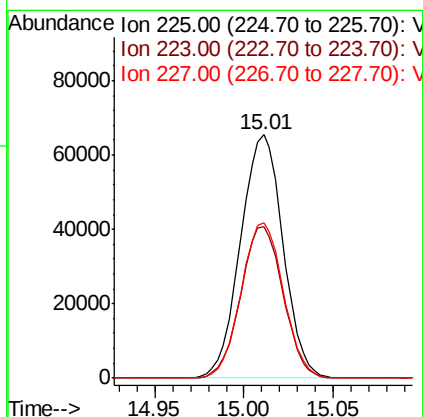
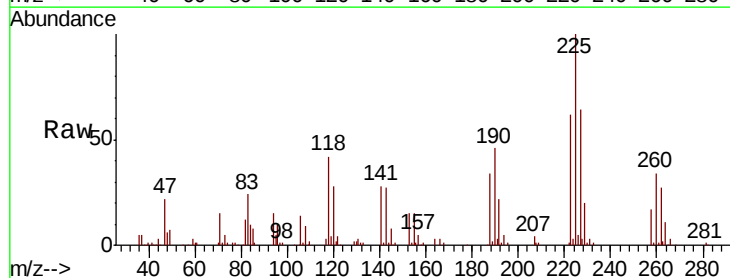
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

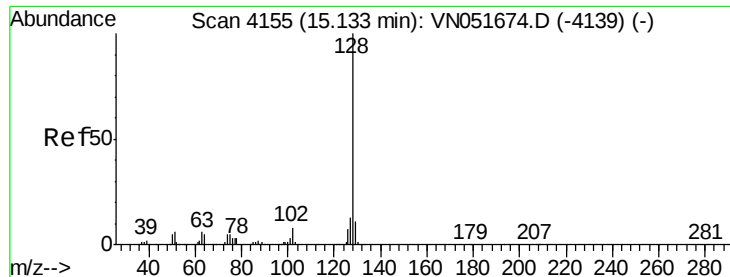
Tot Ion:180 Resp: 149374
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.7 116.5
 145 28.5 23.4 35.2



#90
 Hexachlorobutadiene
 Concen: 23.001 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion:225 Resp: 108903
 Ion Ratio Lower Upper
 225 100
 223 61.8 0.0 117.0
 227 63.5 0.0 127.0

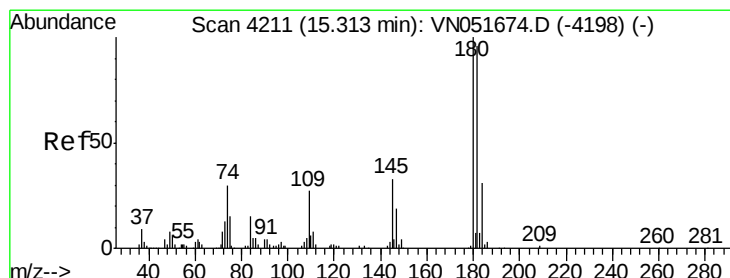
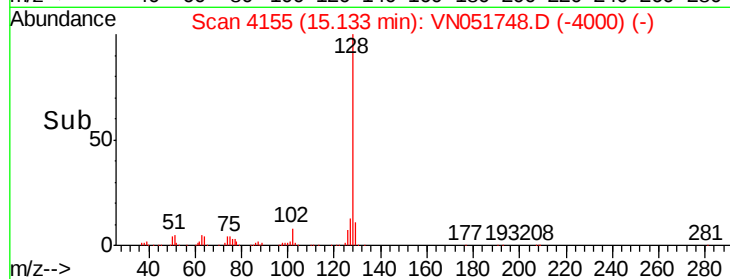
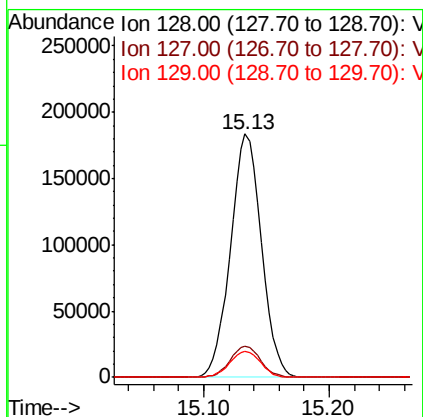
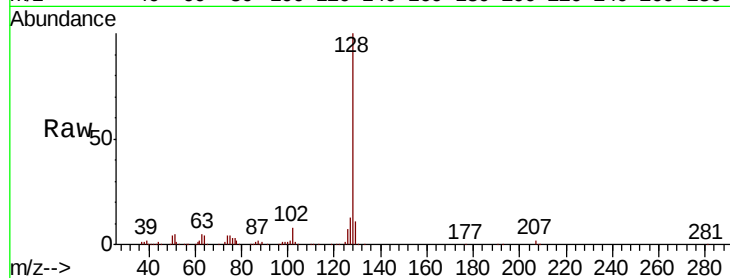




#91
Naphthalene
Concen: 21.404 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion:128 Resp: 314466
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.8 8.4 12.6



#92
1,2,3-Trichlorobenzene
Concen: 22.833 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion:180 Resp: 153263
Ion Ratio Lower Upper
180 100
182 96.4 0.0 198.0
145 32.1 0.0 36.8

