

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101518\
 Data File : VN051862.D
 Acq On : 15 Oct 2018 9:41
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 16 00:43:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	158161	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	897012	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	777974	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	288528	29.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.93%
60) 4-Bromofluorobenzene	12.40	95	328661	29.30	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.67%
63) Toluene-d8	10.09	98	1045339	30.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	130464	21.232	ug/l 98
3) Chloromethane	2.06	50	121940	18.777	ug/l 100
4) Vinyl Chloride	2.18	62	179396	18.498	ug/l 99
5) Bromomethane	2.57	94	157230	18.349	ug/l 87
6) Chloroethane	2.70	64	128745	18.421	ug/l 98
7) Trichlorofluoromethane	3.01	101	288770	20.886	ug/l 97
8) Diethyl Ether	3.41	74	82187	20.419	ug/l 72
9) 1,1,2-Trichlorotrifluoroet	3.76	101	168722	21.428	ug/l # 41
10) 1,1-Dichloroethene	3.74	96	149555	20.538	ug/l 83
11) Methyl Iodide	3.95	142	198767	18.777	ug/l 94
12) Methyl Acetate	4.33	43	96222	21.280	ug/l 93
13) Acrolein	3.61	56	23807	79.910	ug/l 92
14) Acrylonitrile	4.99	53	198639	98.289	ug/l # 44
15) Acetone	3.82	58	51106	102.297	ug/l 88
16) Carbon Disulfide	4.05	76	386625	20.217	ug/l 98
17) Allyl chloride	4.32	41	160137	18.523	ug/l 74
18) Methylene Chloride	4.55	84	164436	20.196	ug/l # 85
19) trans-1,2-Dichloroethene	5.04	96	162193	19.507	ug/l 82
20) Diisopropyl ether	5.95	45	378338	19.650	ug/l # 86
21) 1,1-Dichloroethane	5.85	63	267473	19.881	ug/l # 96
22) cis-1,2-Dichloroethene	6.83	96	190920	19.549	ug/l # 82
23) tert-Butyl Alcohol	4.79	59	52765	99.134	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	419480	19.995	ug/l # 66
25) Chloroform	7.37	83	317299	19.880	ug/l 95
26) Cyclohexane	7.65	56	217216	19.044	ug/l # 69
29) 1,1-Dichloropropene	7.79	75	223133	19.298	ug/l 95
30) 2-Butanone	6.84	43	229473	94.953	ug/l # 82
31) 2,2-Dichloropropane	6.82	77	276355	20.317	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	301400	19.661	ug/l 94
33) Carbon Tetrachloride	7.77	117	274396	19.785	ug/l 94
34) Benzene	8.04	78	673618	19.695	ug/l # 67
35) Methacrylonitrile	7.17	41	48400	15.243	ug/l 75
36) 1,2-Dichloroethane	8.12	62	208115	18.990	ug/l 97
37) Trichloroethene	8.83	130	206147	19.416	ug/l 100
38) Methylcyclohexane	9.08	83	291545	19.659	ug/l 79
39) 1,2-Dichloropropane	9.12	63	156380	19.415	ug/l 96
40) Dibromomethane	9.21	93	115292	19.286	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101518\
 Data File : VN051862.D
 Acq On : 15 Oct 2018 9:41
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 16 00:43:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	238713	19.333	ug/l	94
42) Vinyl Acetate	5.90	43	1295186	95.203	ug/l #	88
43) Ethyl Acetate	6.93	43	101948	19.428	ug/l	95
44) Isopropyl Acetate	8.16	43	206087	19.662	ug/l #	75
45) 1,4-Dioxane	9.20	88	32859	390.429	ug/l #	79
46) Methyl methacrylate	9.20	41	91299	18.884	ug/l	76
47) n-amyl Acetate	12.07	43	152621	17.394	ug/l #	75
48) t-1,3-Dichloropropene	10.38	75	223171	18.534	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	260239	19.605	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	158406	19.178	ug/l	94
51) Ethyl methacrylate	10.43	69	177422	18.763	ug/l	84
52) 1,3-Dichloropropane	10.71	76	246216	19.315	ug/l	97
53) Dibromochloromethane	10.90	129	193003	18.889	ug/l	96
54) 1,2-Dibromoethane	11.00	107	162900	18.790	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	402682	99.613	ug/l #	92
56) Bromoform	12.13	173	119888	17.791	ug/l	94
58) 4-Methyl-2-Pentanone	9.98	43	526125	101.058	ug/l #	88
59) 2-Hexanone	10.75	43	346696	98.710	ug/l	89
61) Tetrachloroethene	10.63	164	211202	21.228	ug/l	97
62) Toluene	10.15	91	779779	20.176	ug/l	99
64) Chlorobenzene	11.43	112	499759	19.744	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	192751	19.840	ug/l	98
66) Ethyl Benzene	11.51	91	836124	19.575	ug/l	99
67) m/p-Xylenes	11.62	106	670711	38.731	ug/l	97
68) o-Xylene	11.95	106	331330	19.408	ug/l	89
69) Styrene	11.96	104	489932	18.705	ug/l	97
70) Isopropylbenzene	12.25	105	884346	19.425	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	170305	18.943	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	208093	29.422	ug/l	72
73) Bromobenzene	12.53	156	211485	18.755	ug/l	84
74) n-propylbenzene	12.59	91	937884	19.152	ug/l	95
75) 2-Chlorotoluene	12.67	91	553897	19.294	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	716180	19.024	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	43996	18.808	ug/l	95
78) 4-Chlorotoluene	12.77	91	528894	18.751	ug/l	93
79) tert-butylbenzene	12.99	119	661678	19.112	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	709265	18.851	ug/l	96
81) sec-Butylbenzene	13.17	105	857153	18.926	ug/l	96
82) p-Isopropyltoluene	13.29	119	757856	18.700	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	356209	17.902	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	332885	17.771	ug/l	98
85) n-Butylbenzene	13.61	91	573320	18.760	ug/l	95
86) Hexachloroethane	13.87	117	133739	19.139	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	350412	18.191	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24313	18.109	ug/l #	72
89) 1,2,4-Trichlorobenzene	14.91	180	138503	18.621	ug/l	98
90) Hexachlorobutadiene	15.01	225	119793	19.297	ug/l	95
91) Naphthalene	15.13	128	252097	18.102	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	145057	16.551	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101518\
Data File : VN051862.D
Acq On : 15 Oct 2018 9:41
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 16 00:43:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

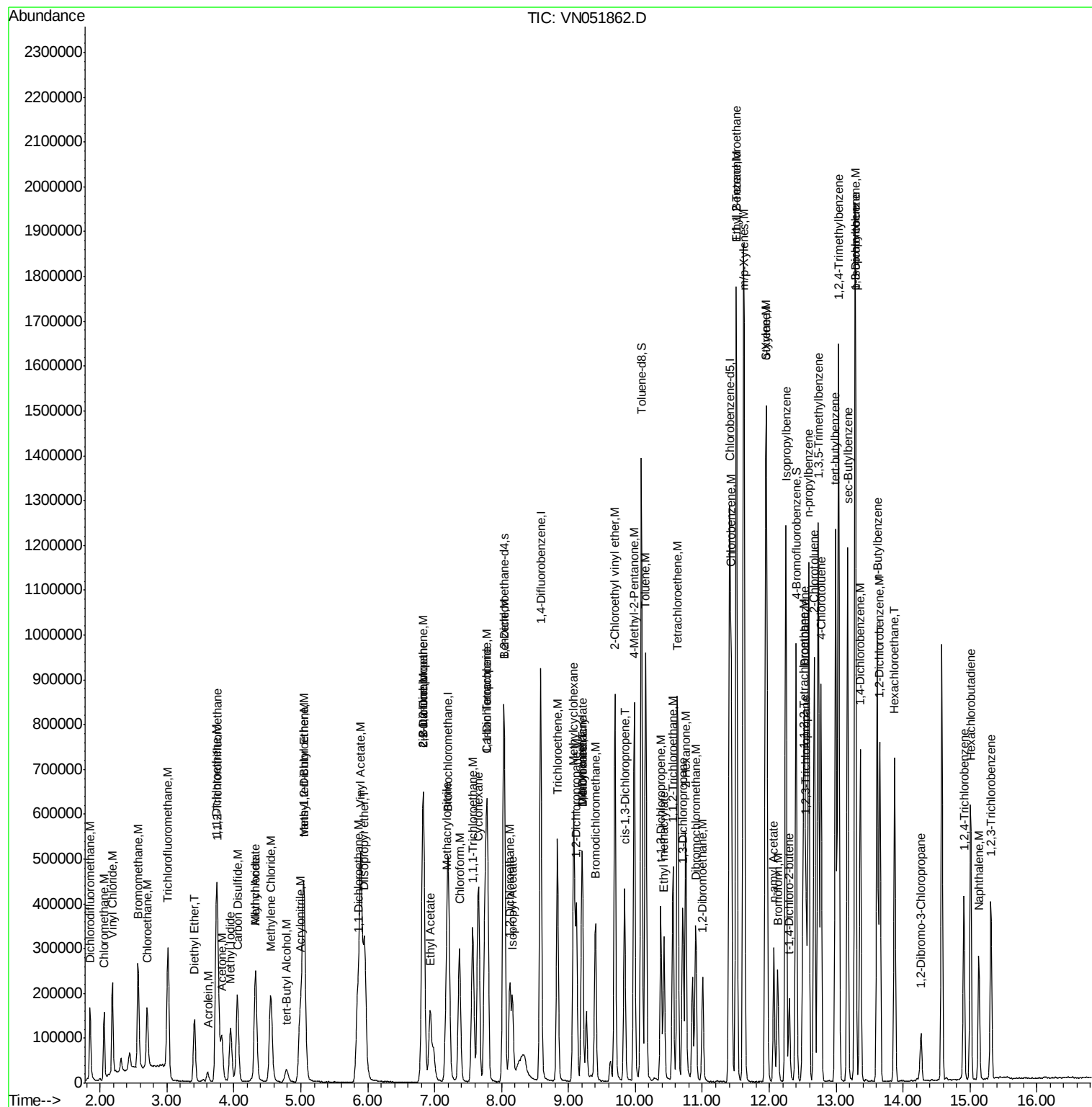
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

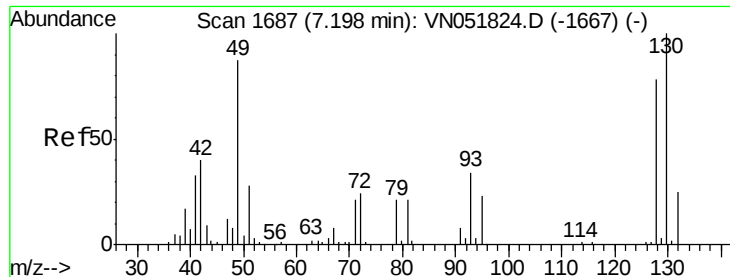
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101518\
 Data File : VN051862.D
 Acq On : 15 Oct 2018 9:41
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 16 00:43:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

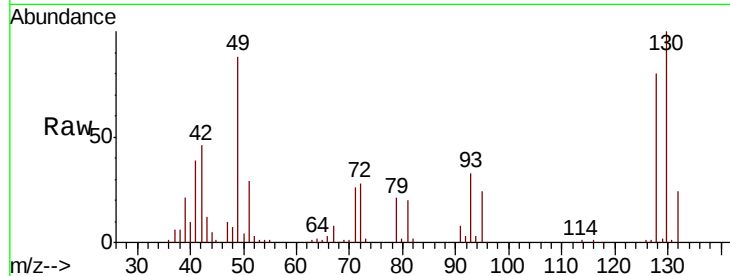




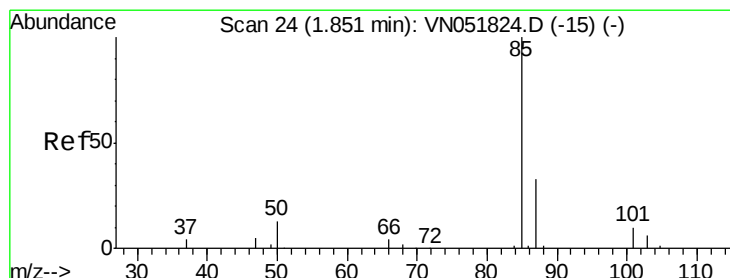
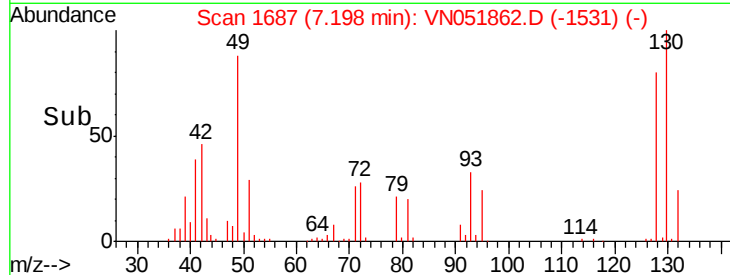
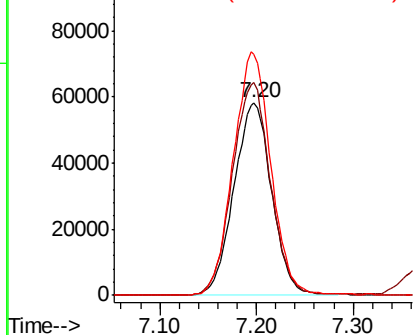
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
49	111.2	0.0	403.3
130	125.3	0.0	326.0

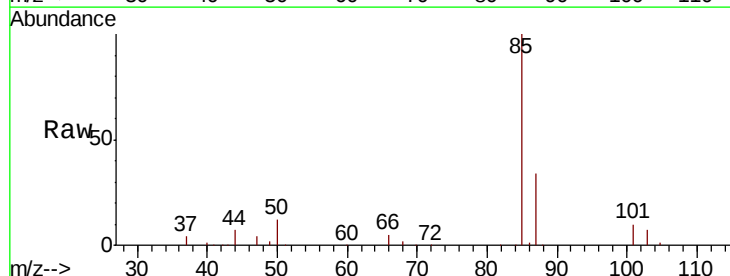


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

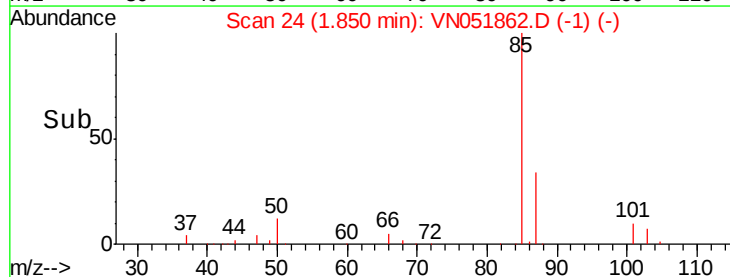
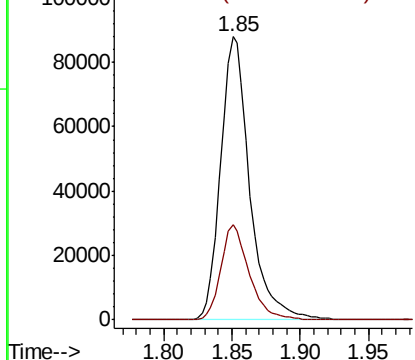


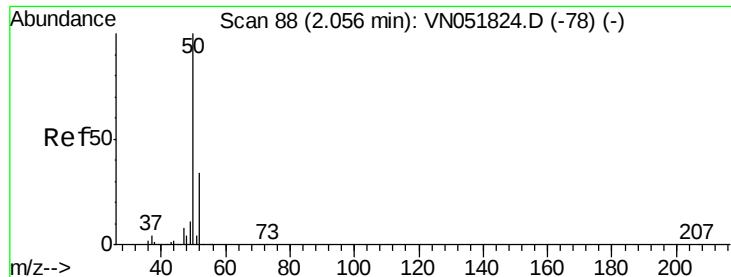
#2
 Dichlorodifluoromethane
 Concen: 21.232 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.7	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: 18.777 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

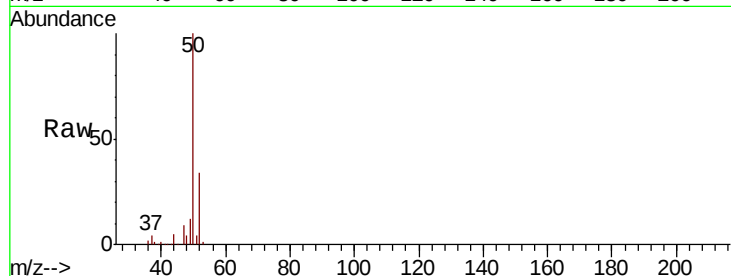
ClientSampleId :

Tot Ion: 50 Resp: 121940

Ion Ratio Lower Upper

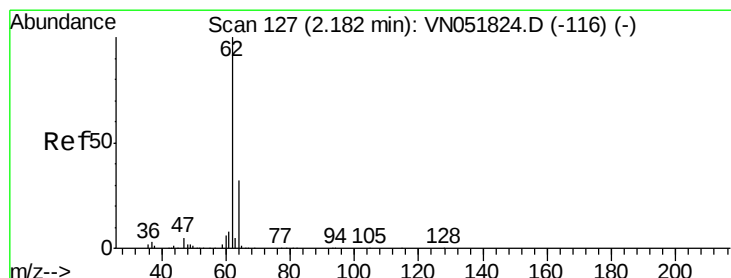
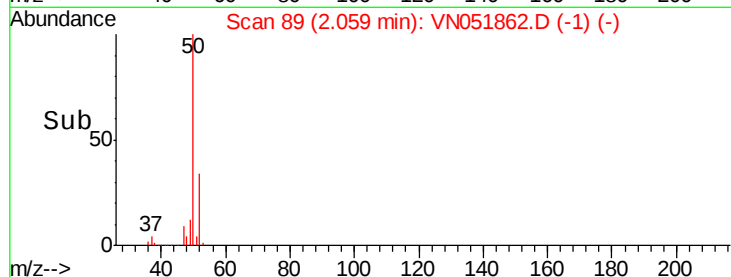
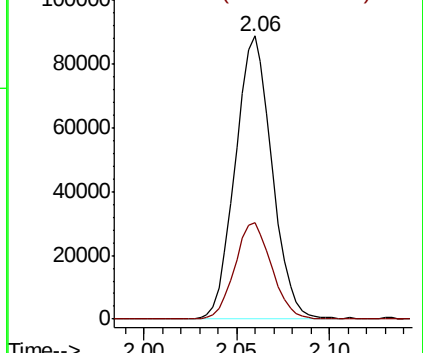
50 100

52 33.9 27.2 40.8



Abundance Ion 50.00 (49.70 to 50.70): VN051824.D (-78) (-)

Ion 52.00 (51.70 to 52.70): VN051824.D (-78) (-)



#4

Vinyl Chloride

Concen: 18.498 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051862.D

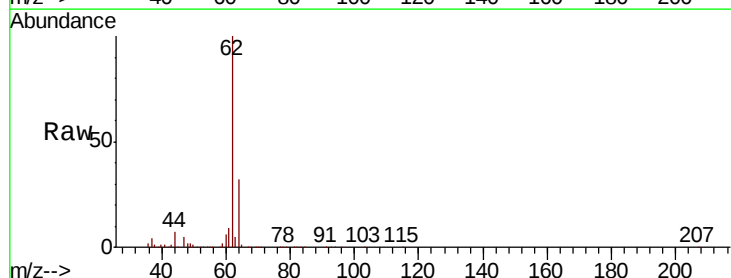
Acq: 15 Oct 2018 9:41

Tgt Ion: 62 Resp: 179396

Ion Ratio Lower Upper

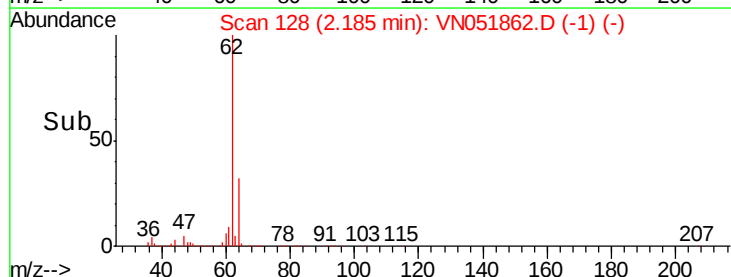
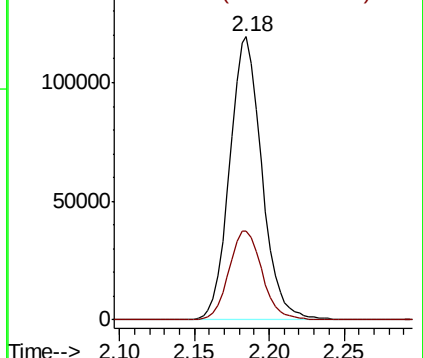
62 100

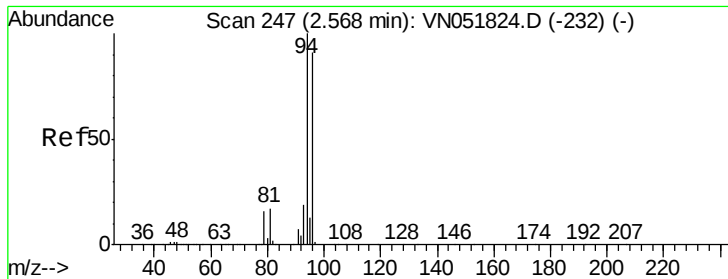
64 31.5 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN051824.D (-116) (-)

Ion 64.00 (63.70 to 64.70): VN051824.D (-116) (-)





#5

Bromomethane

Concen: 18.349 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

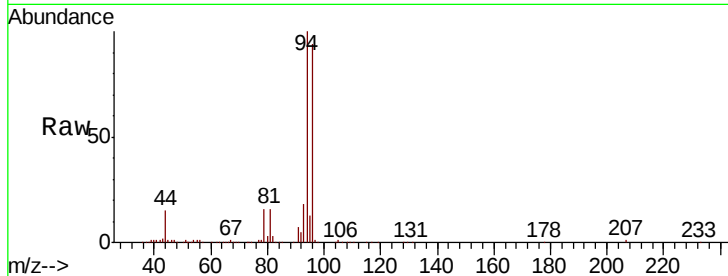
ClientSampleId :

Tot Ion: 94 Resp: 157230

Ion Ratio Lower Upper

94 100

96 94.4 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

80000

60000

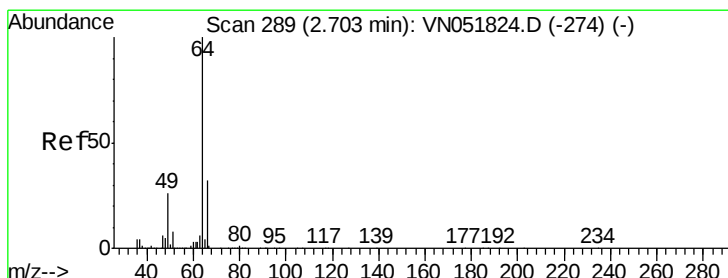
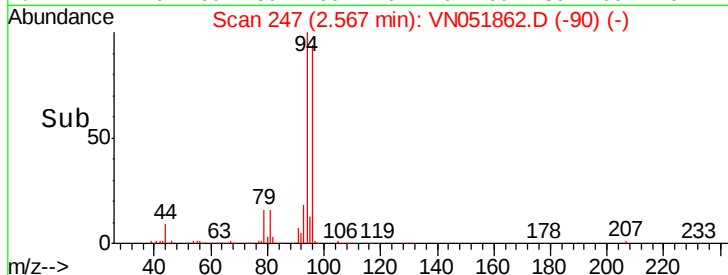
40000

20000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.421 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051862.D

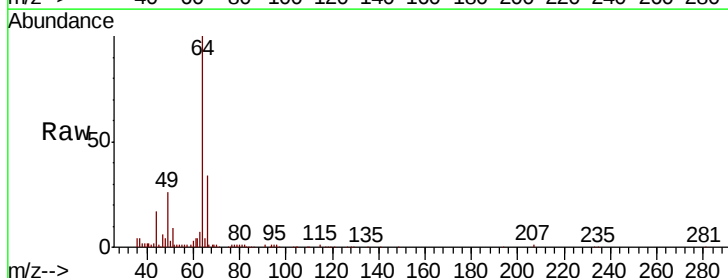
Acq: 15 Oct 2018 9:41

Tgt Ion: 64 Resp: 128745

Ion Ratio Lower Upper

64 100

66 33.3 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

60000

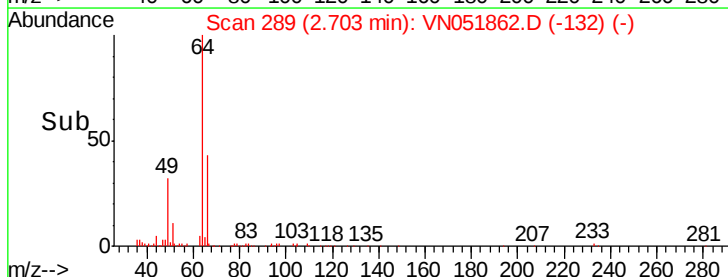
40000

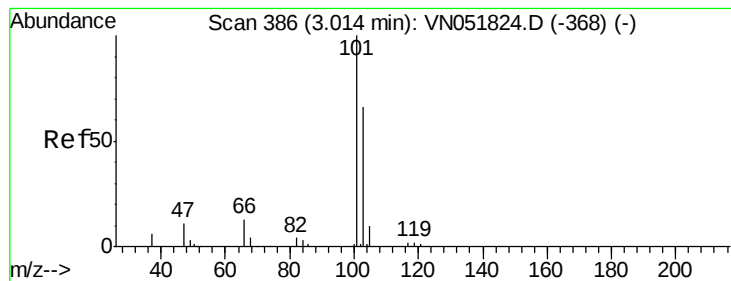
20000

0

Time-->

2.60 2.65 2.70 2.75 2.80



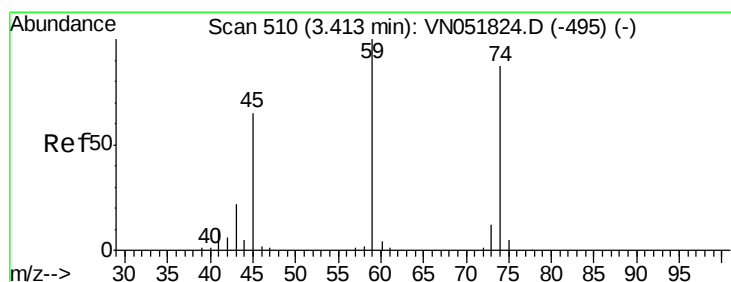
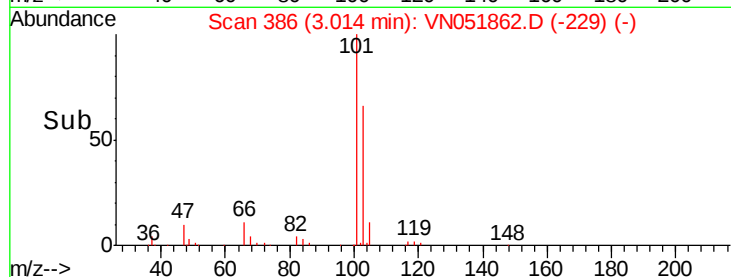
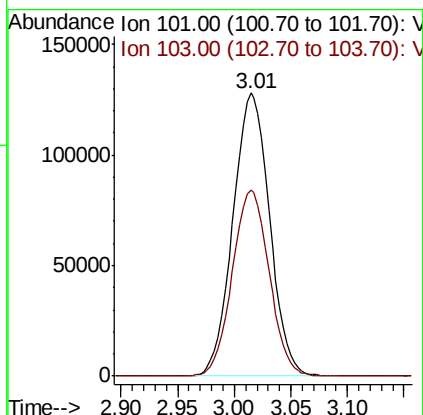
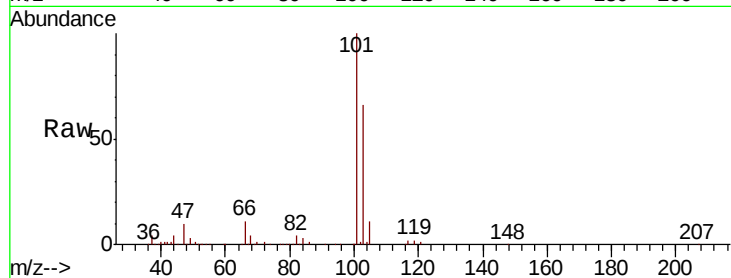


#7

Trichlorofluoromethane
 Concen: 20.886 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :

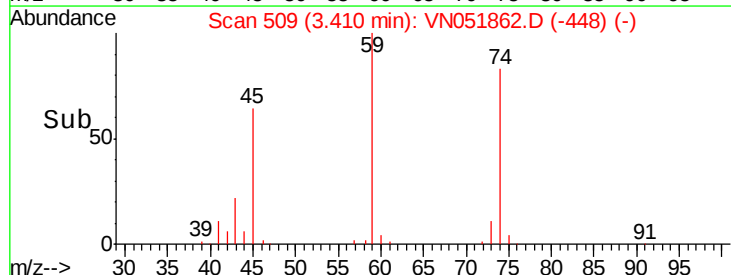
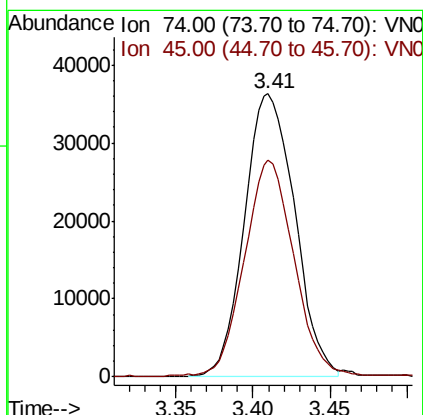
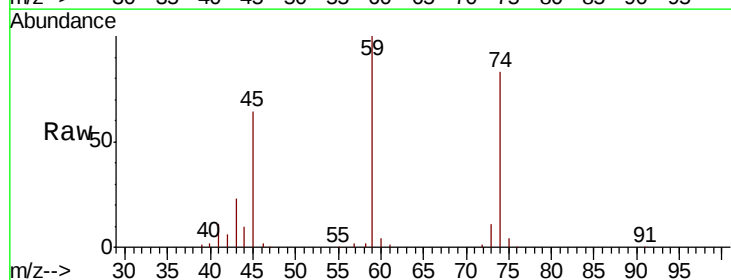
Tot Ion:101 Resp: 288770
 Ion Ratio Lower Upper
 101 100
 103 65.9 54.8 82.2

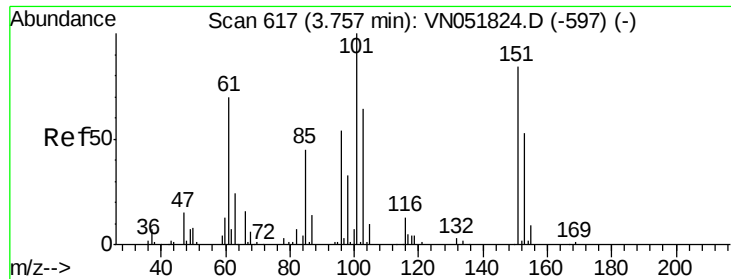


#8

Diethyl Ether
 Concen: 20.419 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion: 74 Resp: 82187
 Ion Ratio Lower Upper
 74 100
 45 74.8 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.428 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampleId :

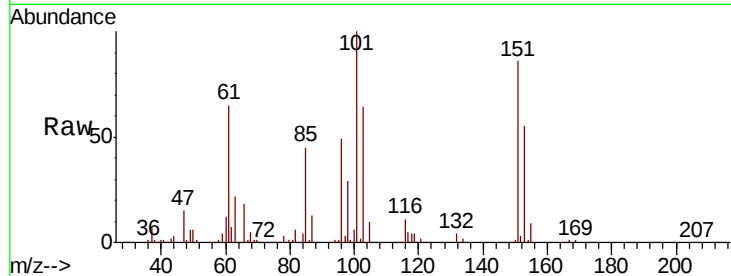
Tot Ion:101 Resp: 168722

Ion Ratio Lower Upper

101 100

85 42.7 0.0 46.0

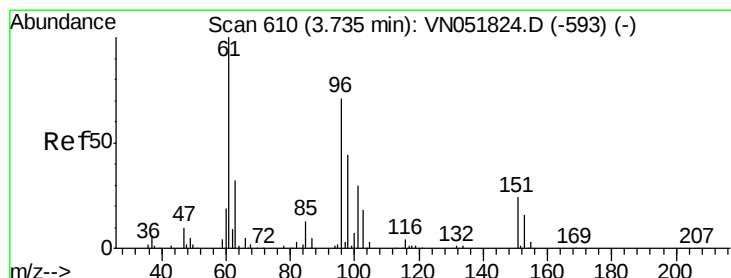
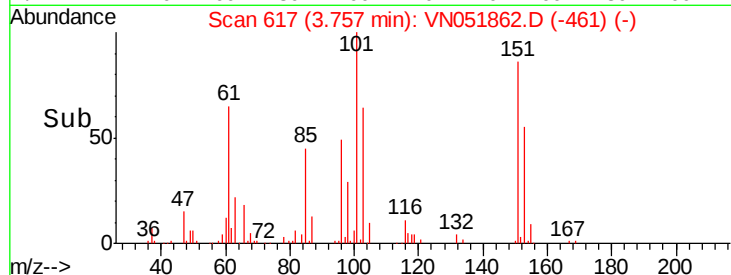
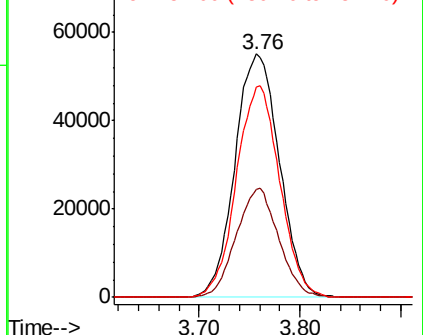
151 84.5 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.538 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

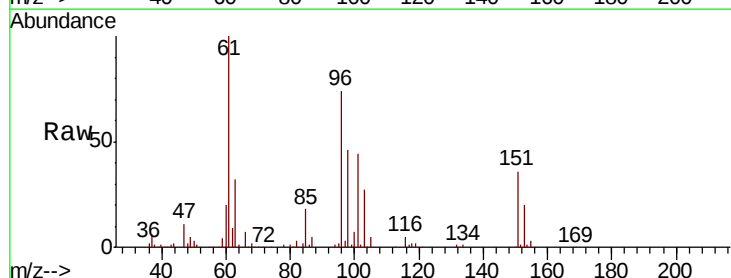
Tgt Ion: 96 Resp: 149555

Ion Ratio Lower Upper

96 100

61 135.9 133.0 199.6

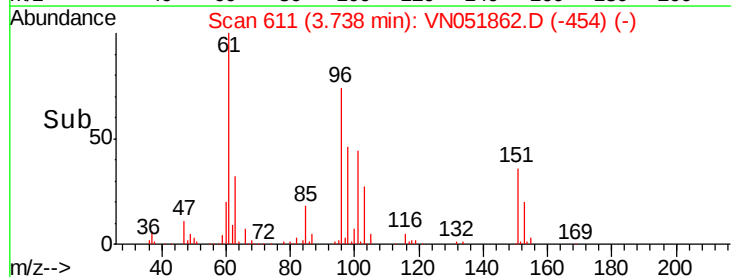
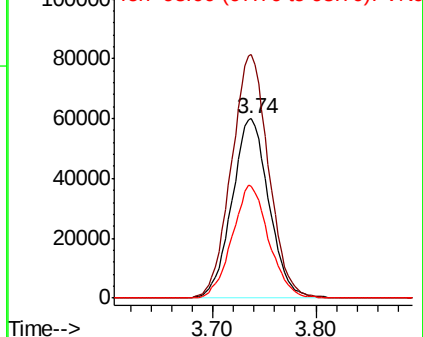
98 62.1 52.6 78.8

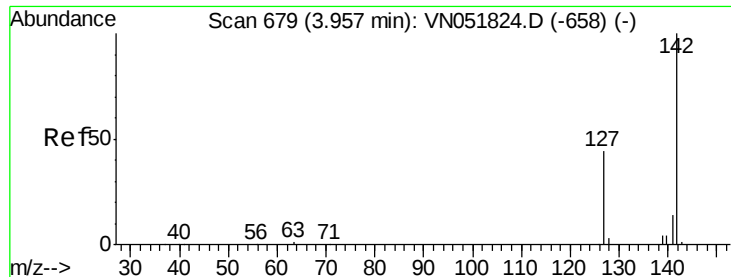


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

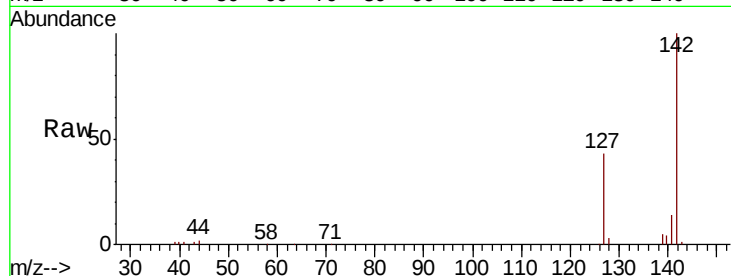




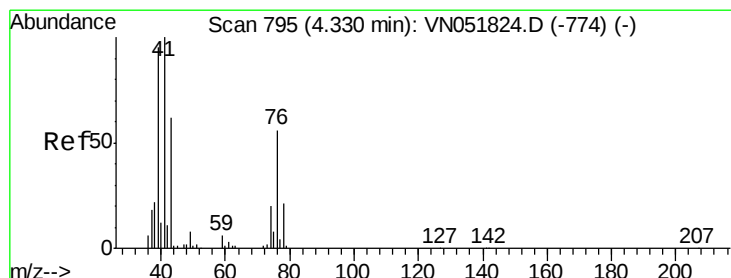
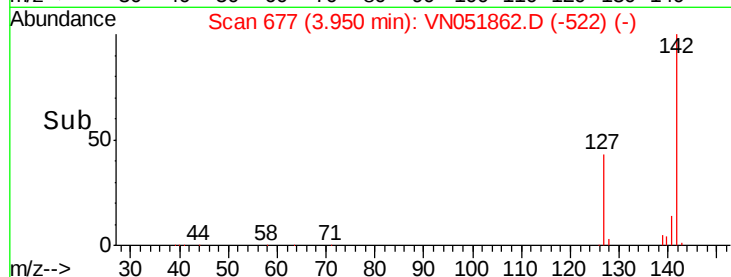
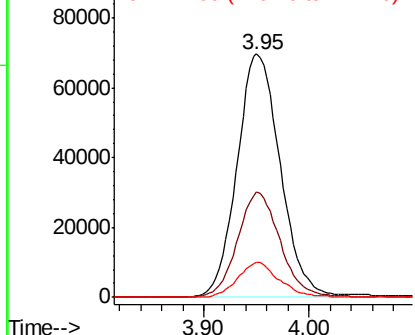
#11
Methvl Iodide
Concen: 18.777 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:142 Resp: 198767
Ion Ratio Lower Upper
142 100
127 43.1 19.7 59.0
141 14.6 6.3 18.9

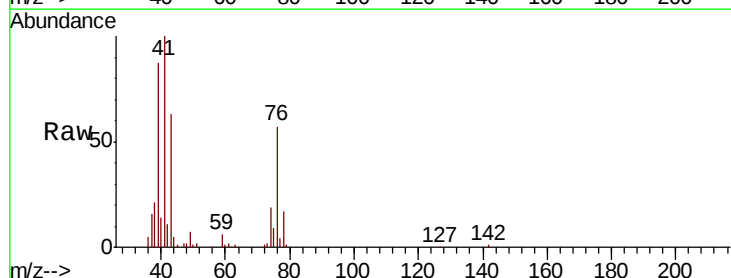


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

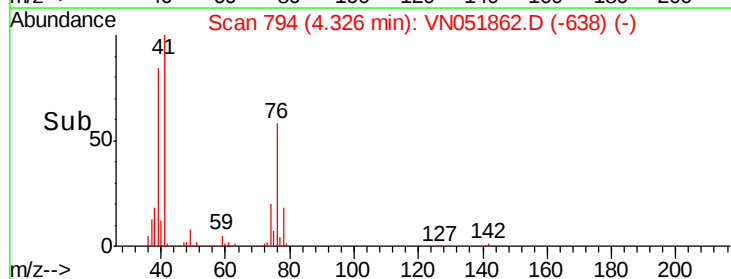
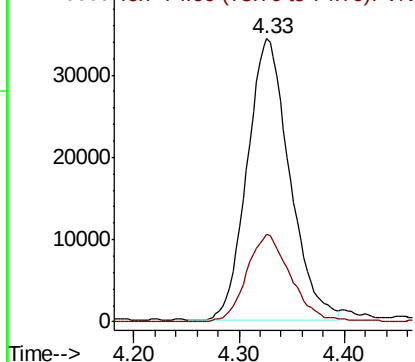


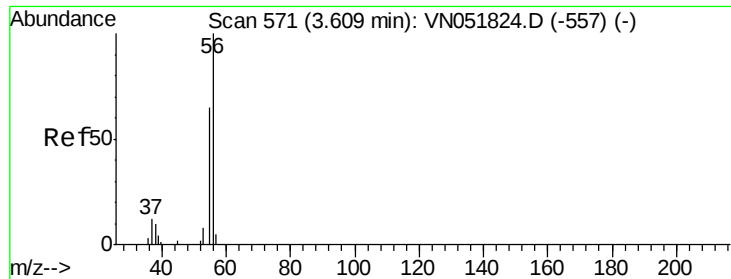
#12
Methyl Acetate
Concen: 21.280 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion: 43 Resp: 96222
Ion Ratio Lower Upper
43 100
74 30.8 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 79.910 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

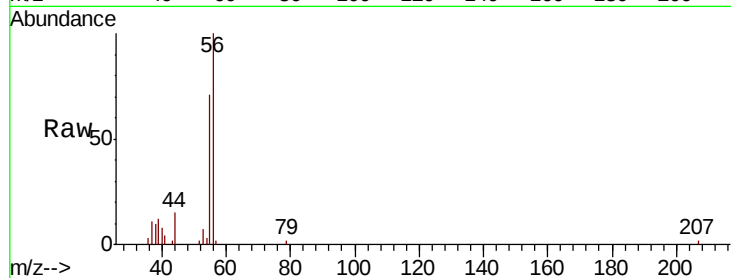
ClientSampled :

Tot Ion: 56 Resp: 23807

Ion Ratio Lower Upper

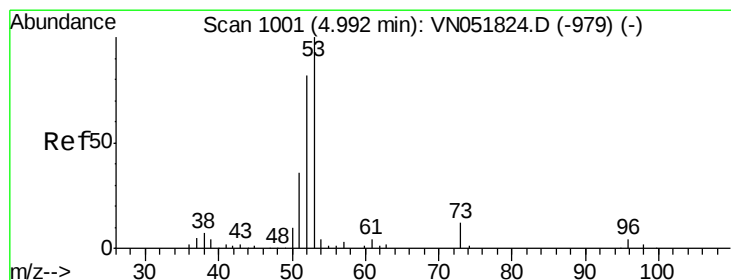
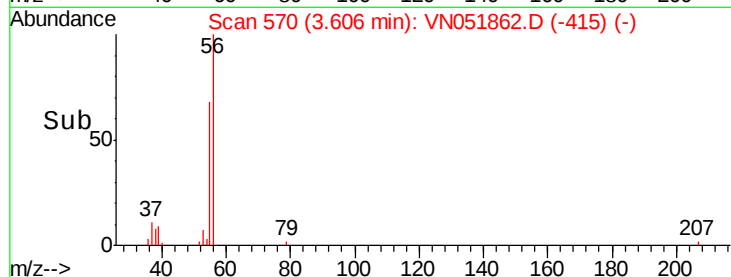
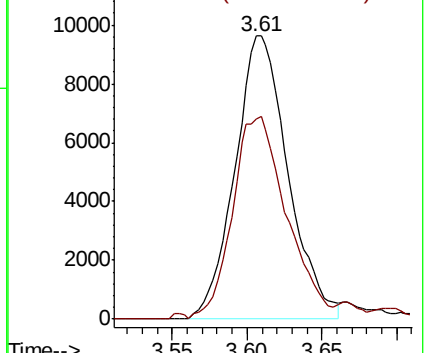
56 100

55 72.8 64.0 96.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 98.289 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

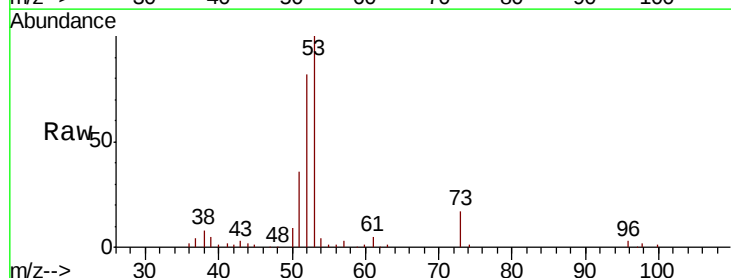
Tgt Ion: 53 Resp: 198639

Ion Ratio Lower Upper

53 100

52 81.1 18.3 54.8#

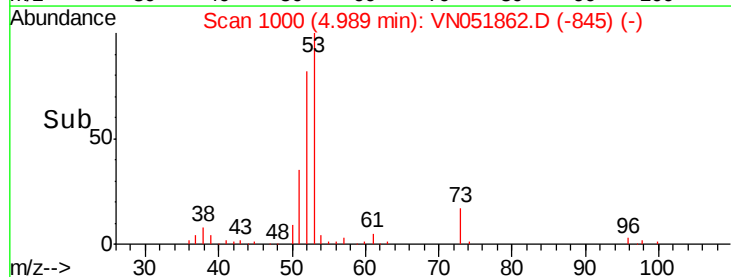
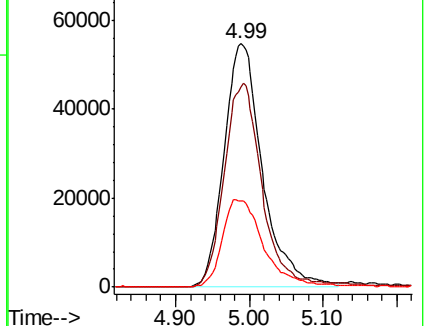
51 15.8 19.7 59.1#

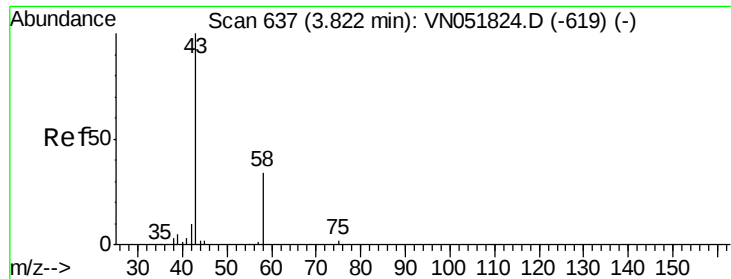


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

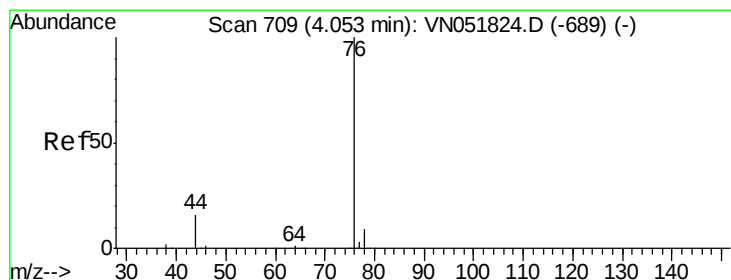
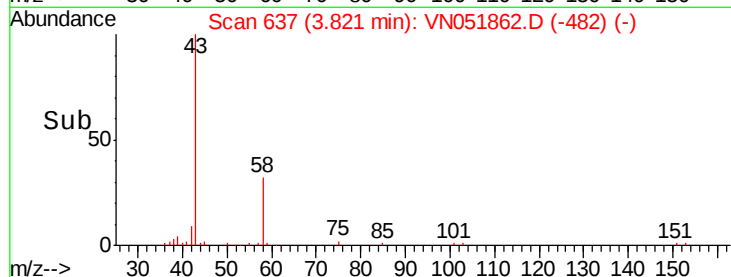
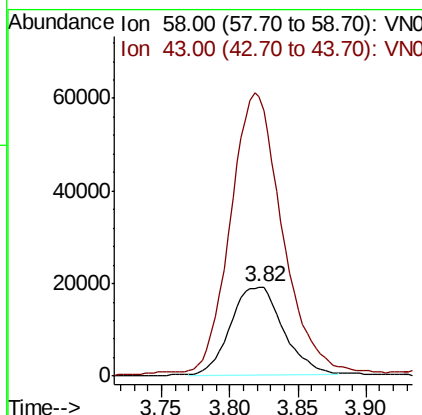
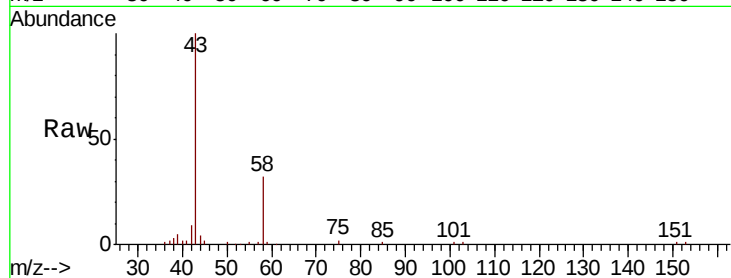




#15
Acetone
Concen: 102.297 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

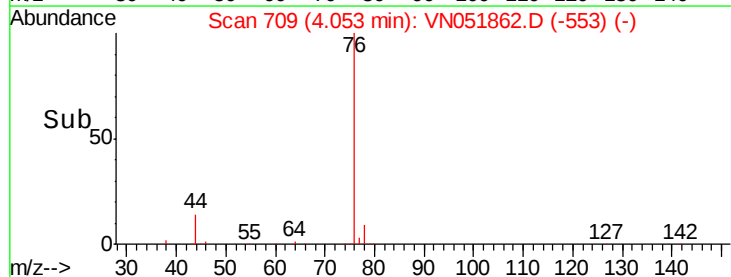
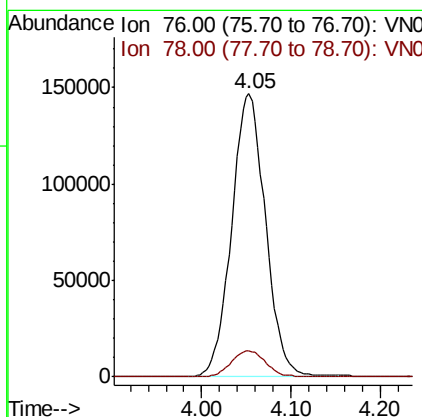
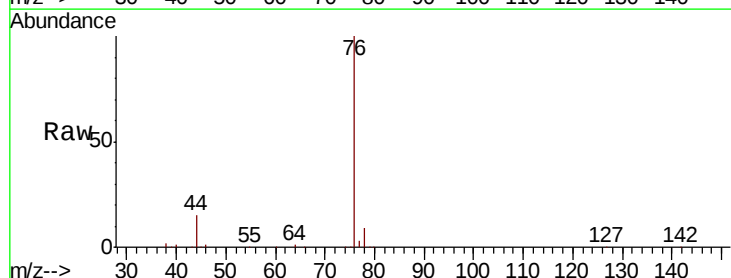
Instrument :
MSVOA_N
ClientSampleId :

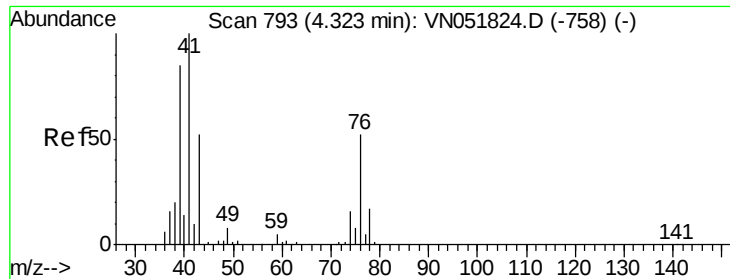
Tot Ion: 58 Resp: 51106
Ion Ratio Lower Upper
58 100
43 312.5 232.2 348.2



#16
Carbon Disulfide
Concen: 20.217 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion: 76 Resp: 386625
Ion Ratio Lower Upper
76 100
78 9.1 6.7 10.1

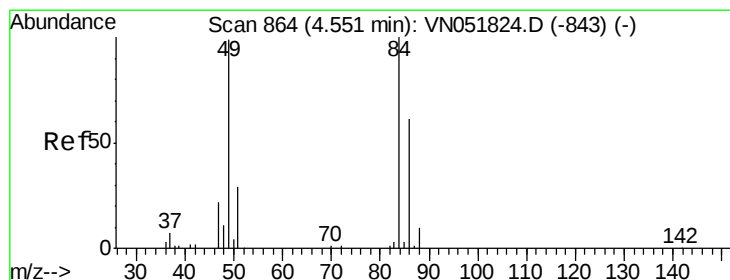
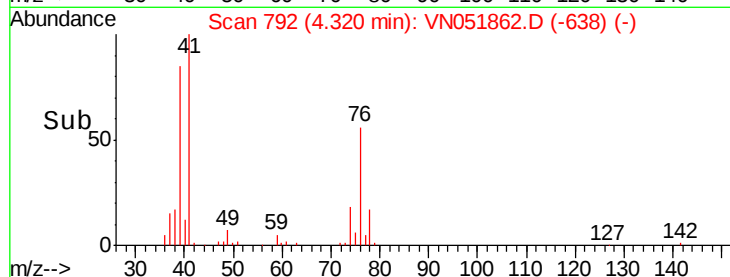
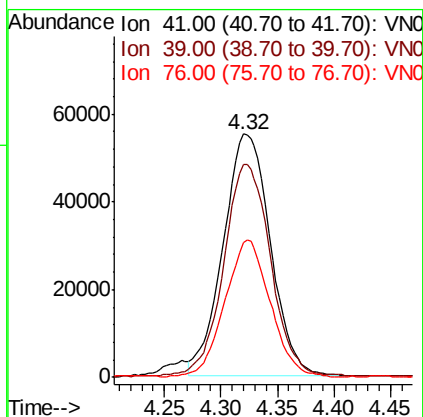
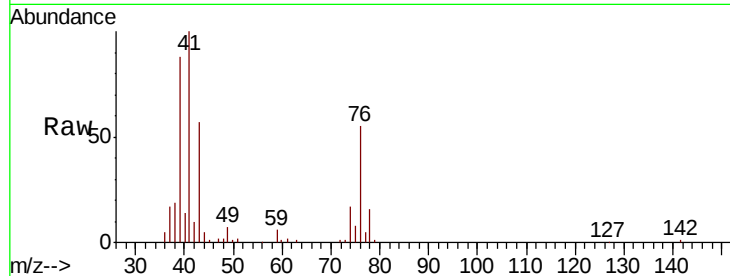




#17
Allvl chloride
Concen: 18.523 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

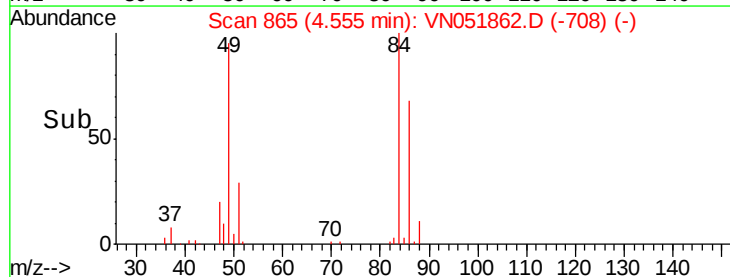
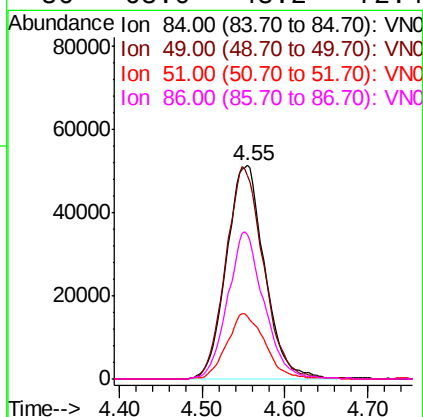
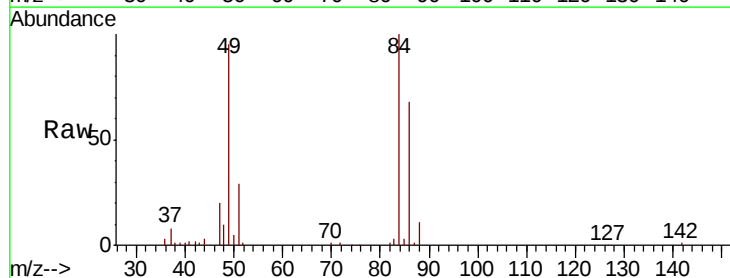
Instrument :
MSVOA_N
ClientSampleId :

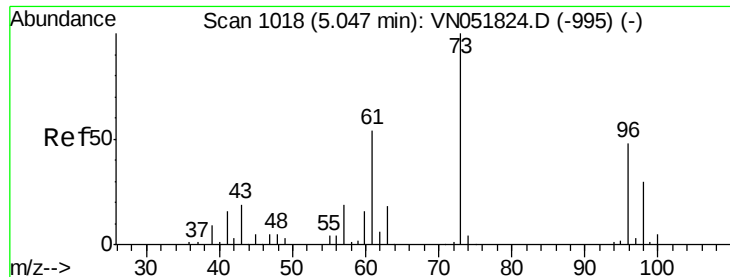
Tot Ion: 41 Resp: 160137
Ion Ratio Lower Upper
41 100
39 86.8 32.6 97.8
76 55.5 20.2 60.5



#18
Methylene Chloride
Concen: 20.196 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion: 84 Resp: 164436
Ion Ratio Lower Upper
84 100
49 95.5 91.6 137.4
51 29.4 29.8 44.6#
86 68.0 48.2 72.4

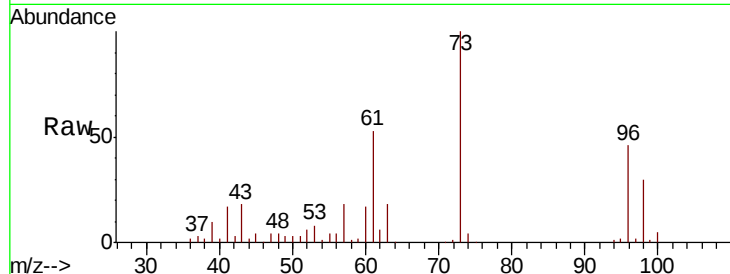




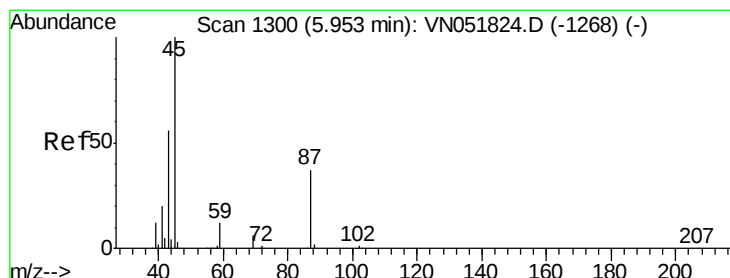
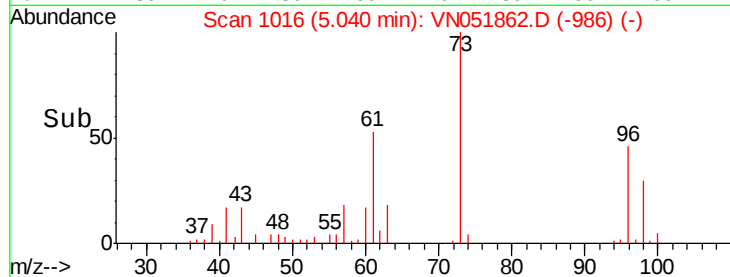
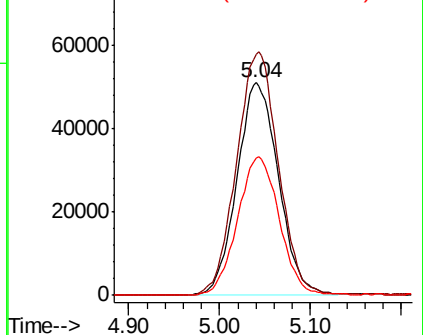
#19
trans-1,2-Dichloroethene
Concen: 19.507 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 162193
Ion Ratio Lower Upper
96 100
61 113.5 112.3 168.5
98 64.6 47.1 70.7

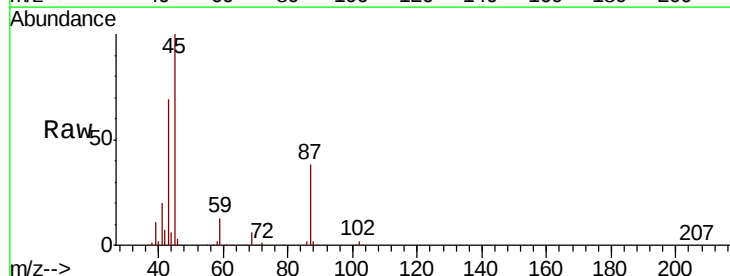


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

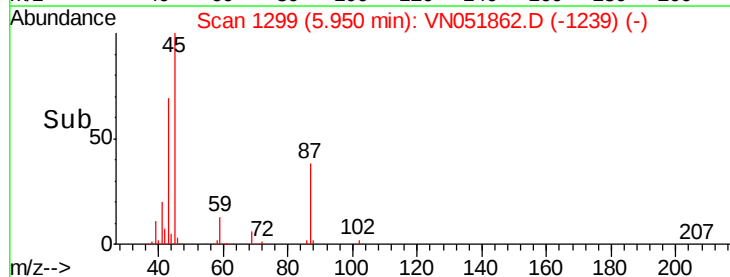
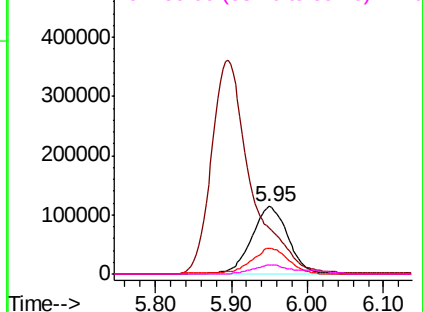


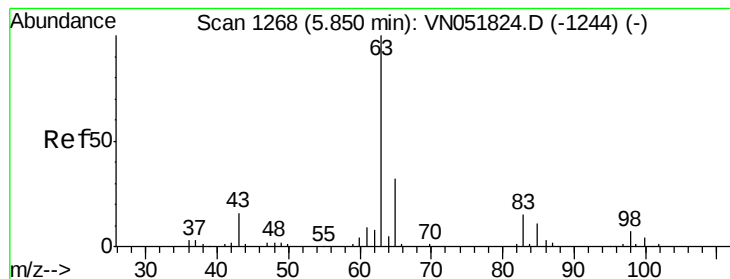
#20
Diisopropyl ether
Concen: 19.650 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion: 45 Resp: 378338
Ion Ratio Lower Upper
45 100
43 66.5 62.1 93.1
87 37.7 19.9 29.9#
59 12.6 9.8 14.6



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





#21

1,1-Dichloroethane

Concen: 19.881 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampled :

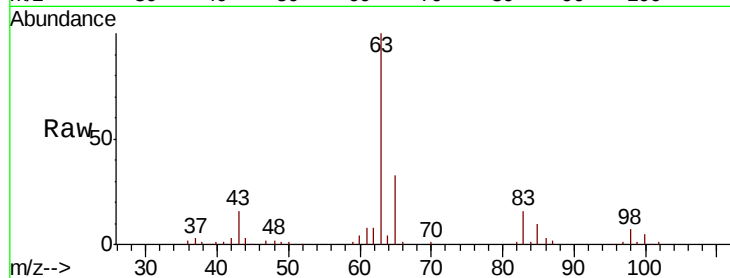
Tot Ion: 63 Resp: 267473

Ion Ratio Lower Upper

63 100

98 6.9 4.1 12.3

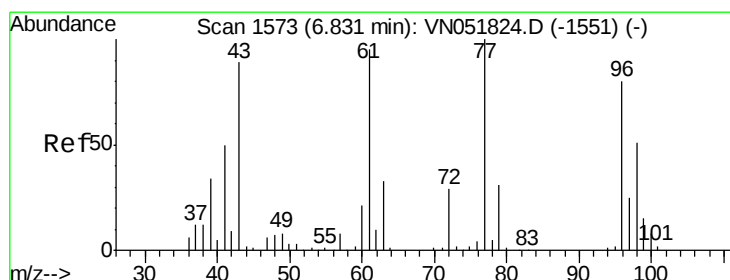
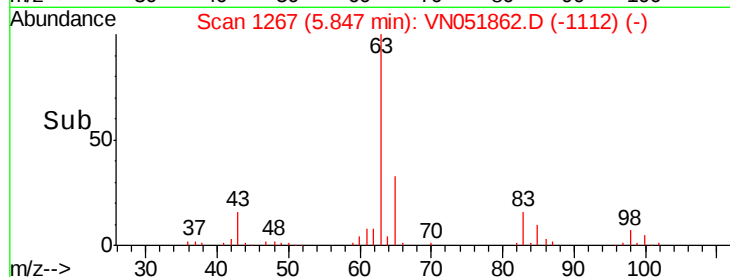
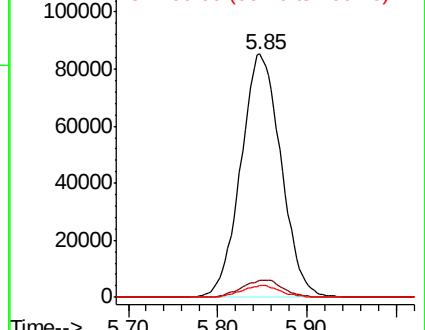
100 4.7 1.6 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 19.549 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

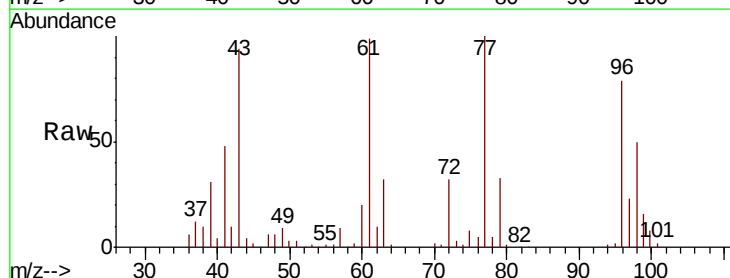
Tgt Ion: 96 Resp: 190920

Ion Ratio Lower Upper

96 100

61 123.3 124.5 186.7#

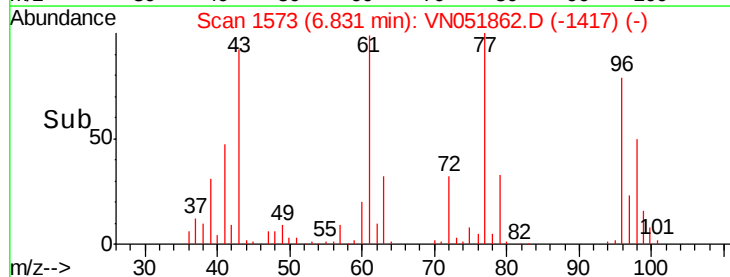
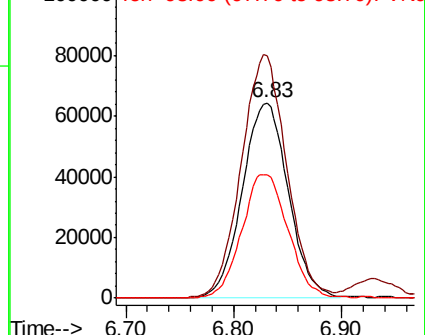
98 63.6 51.9 77.9

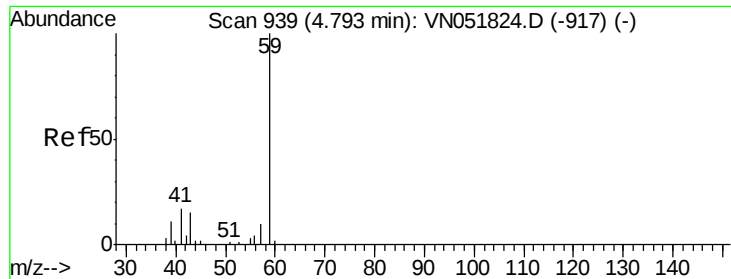


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



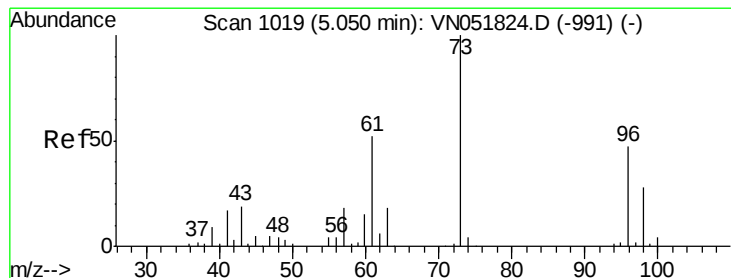
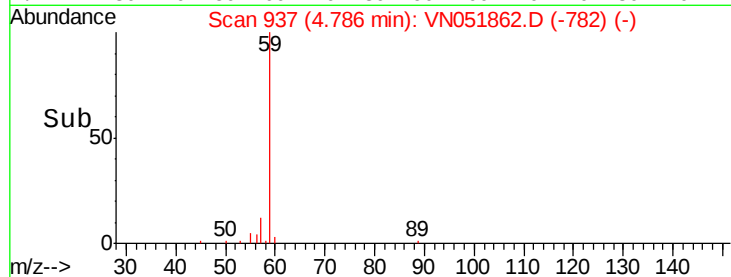
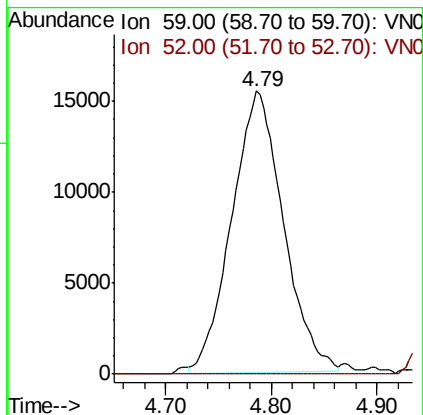
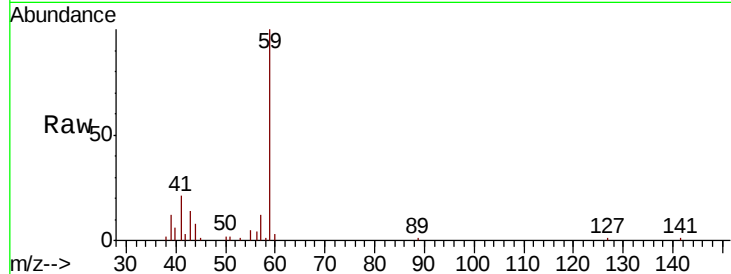


#23

tert-Butyl Alcohol
 Concen: 99.134 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampleId :

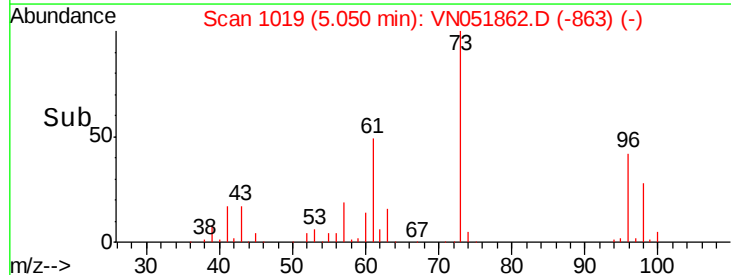
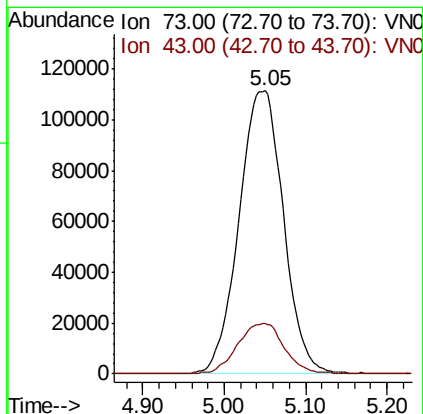
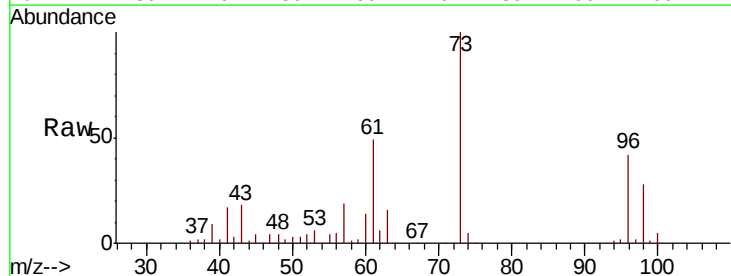
Tot Ion: 59 Resp: 52765
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

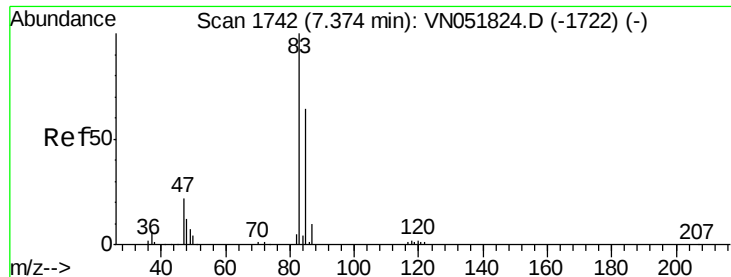


#24

Methyl tert-Butyl Ether
 Concen: 19.995 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion: 73 Resp: 419480
 Ion Ratio Lower Upper
 73 100
 43 18.4 5.4 8.0#





#25

Chloroform

Concen: 19.880 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

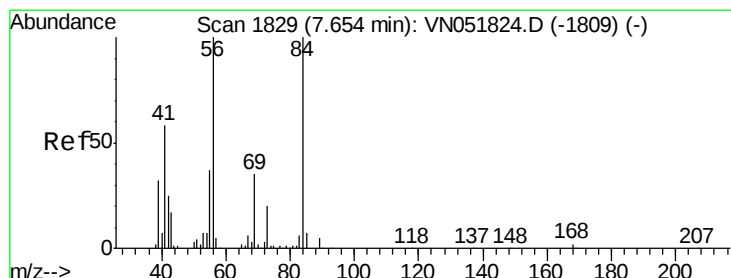
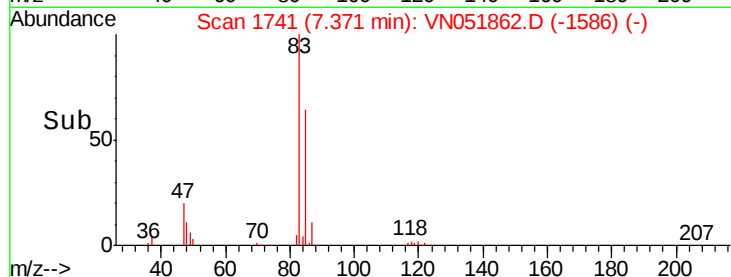
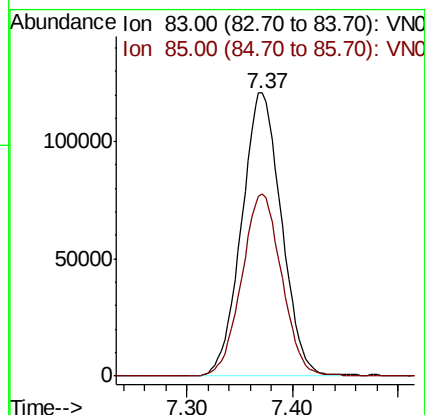
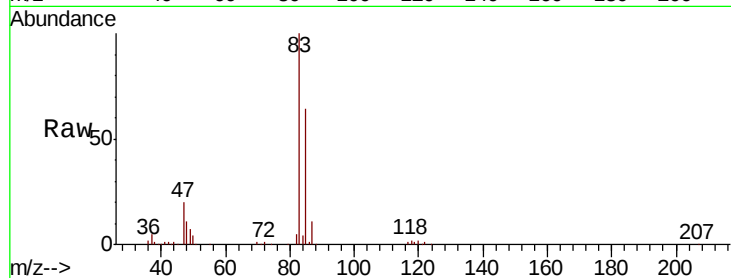
ClientSampled :

Tot Ion: 83 Resp: 317299

Ion Ratio Lower Upper

83 100

85 64.5 54.6 82.0



#26

Cyclohexane

Concen: 19.044 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

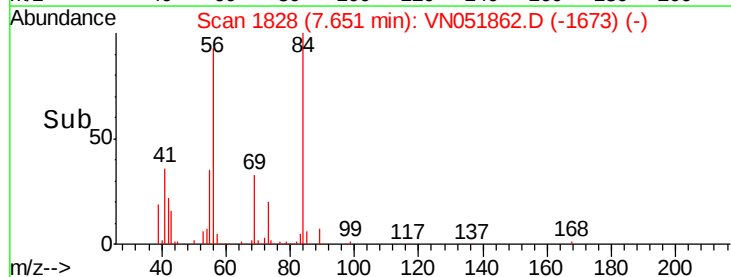
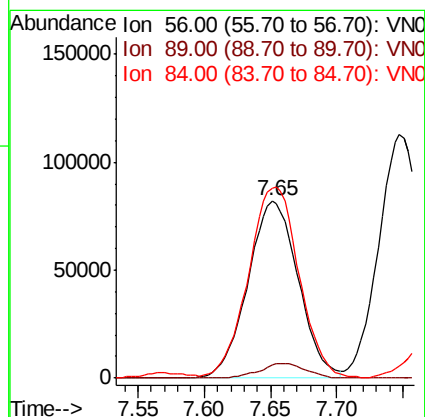
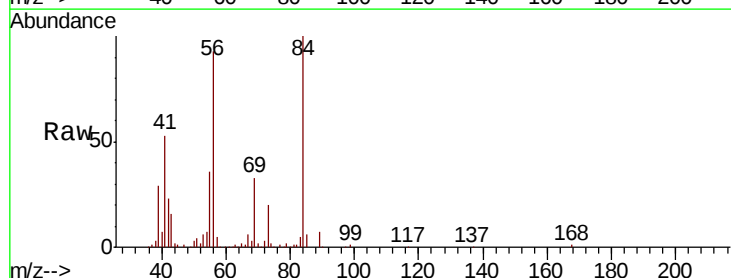
Tgt Ion: 56 Resp: 217216

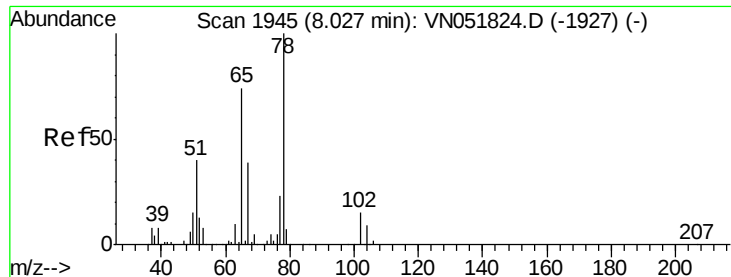
Ion Ratio Lower Upper

56 100

89 7.7 1.5 2.3#

84 108.4 64.2 96.4#

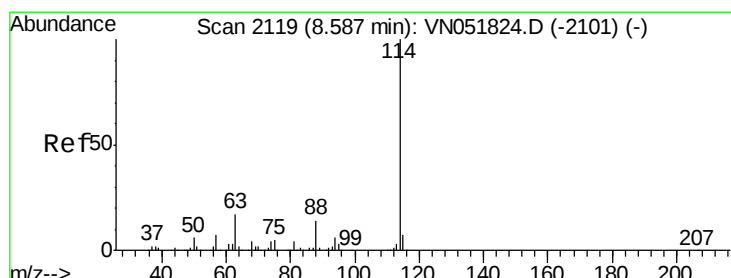
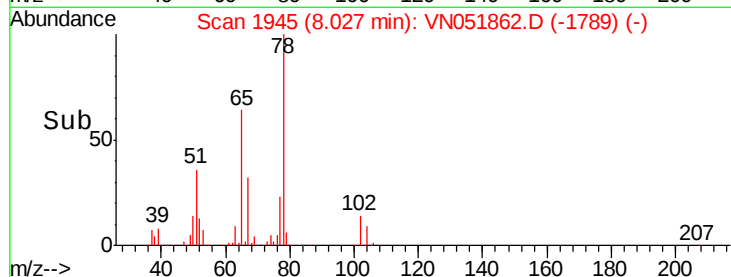
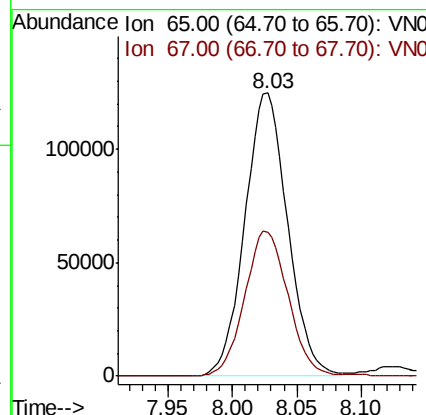
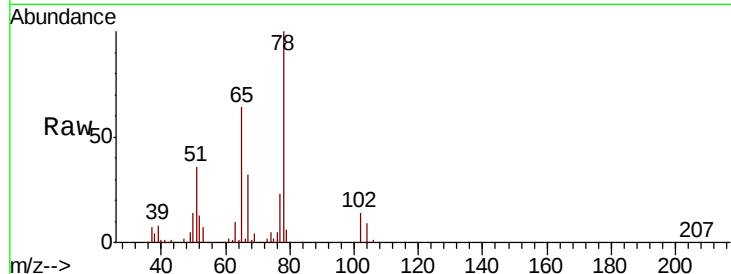




#27
 1,2-Dichloroethane-d4
 Concen: 19.044 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

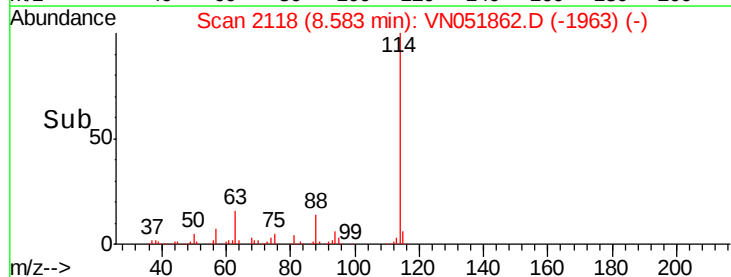
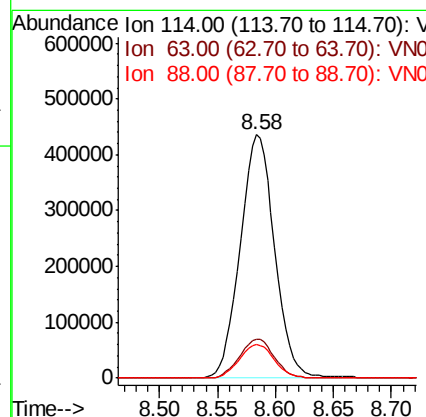
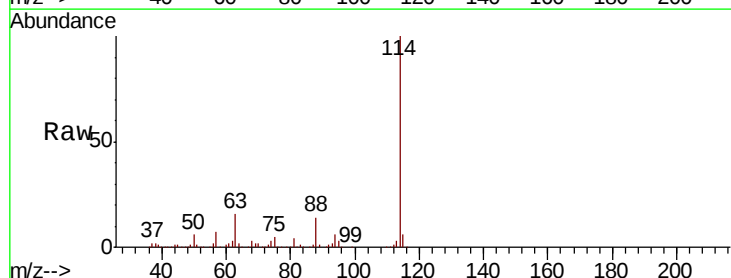
Instrument :
 MSVOA_N
 ClientSampled :

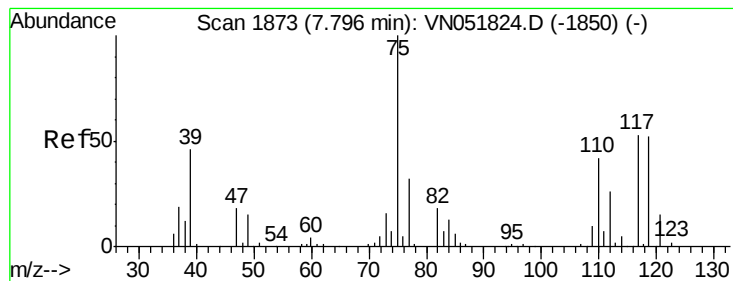
Tot Ion: 65 Resp: 288528
 Ion Ratio Lower Upper
 65 100
 67 52.0 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion: 114 Resp: 897012
 Ion Ratio Lower Upper
 114 100
 63 16.3 16.2 24.2
 88 14.1 12.2 18.4





#29

1,1-Dichloropropene

Concen: 19.298 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampled :

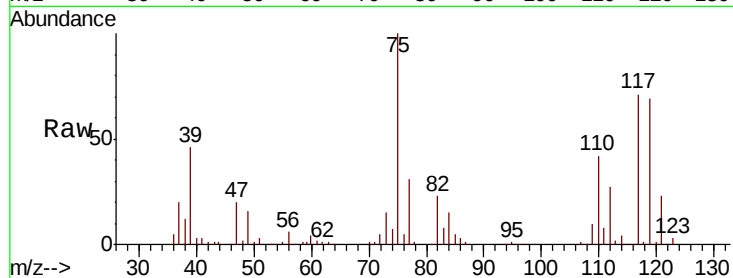
Tot Ion: 75 Resp: 223133

Ion Ratio Lower Upper

75 100

110 40.7 0.0 70.8

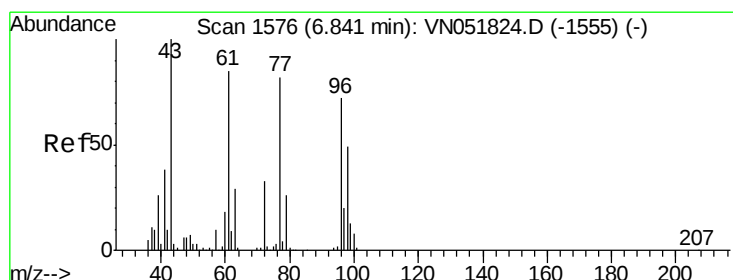
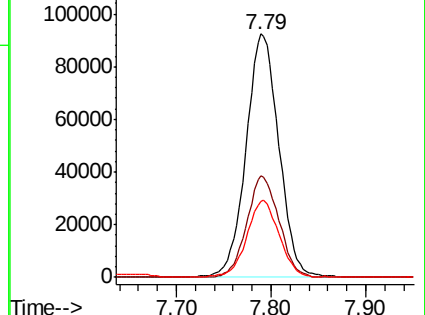
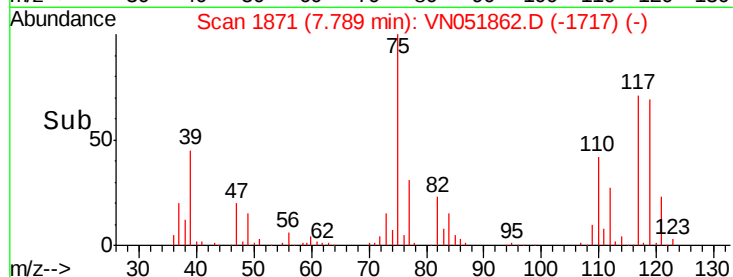
77 31.3 0.0 61.6



Abundance Ion 75.00 (74.70 to 75.70): VN051862.D (-1717) (-)

Ion 110.00 (109.70 to 110.70): VN051862.D (-1717) (-)

Ion 77.00 (76.70 to 77.70): VN051862.D (-1717) (-)



#30

2-Butanone

Concen: 94.953 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

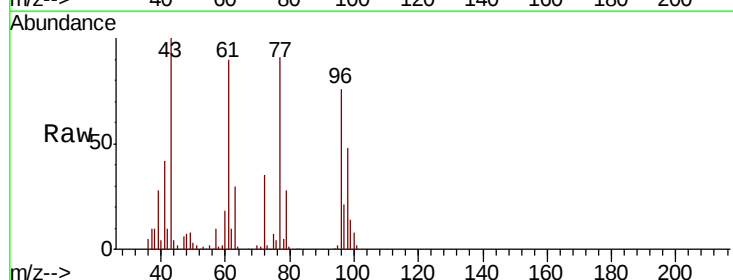
Tgt Ion: 43 Resp: 229473

Ion Ratio Lower Upper

43 100

57 9.7 4.5 6.7#

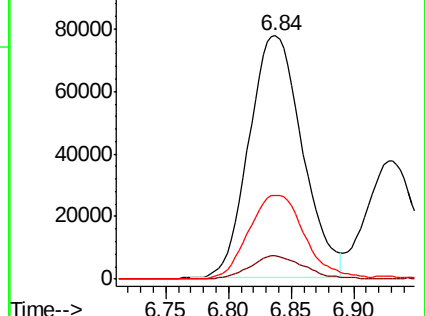
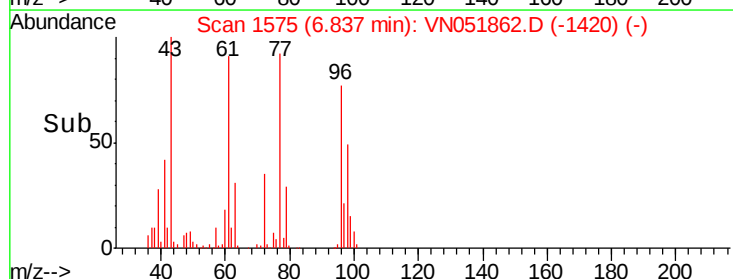
72 36.5 21.5 32.3#

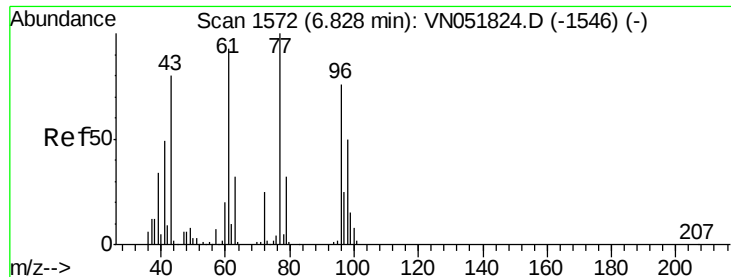


Abundance Ion 43.00 (42.70 to 43.70): VN051862.D (-1420) (-)

Ion 57.00 (56.70 to 57.70): VN051862.D (-1420) (-)

Ion 72.00 (71.70 to 72.70): VN051862.D (-1420) (-)





#31

2,2-Dichloropropane

Concen: 20.317 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

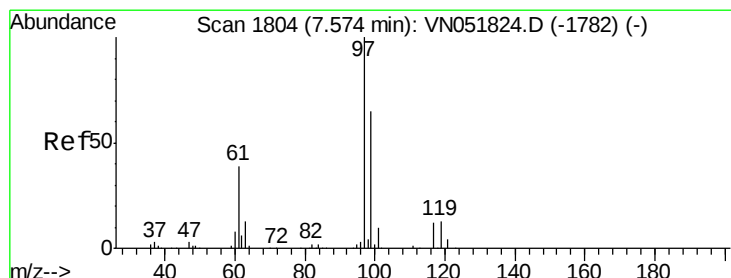
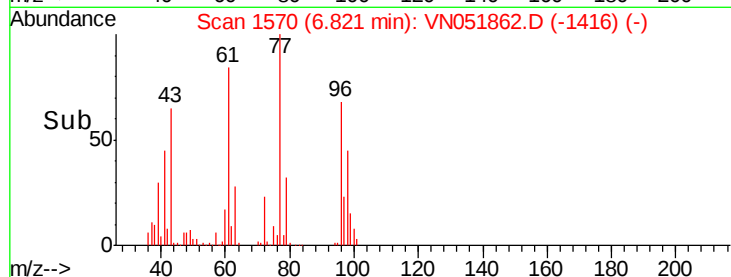
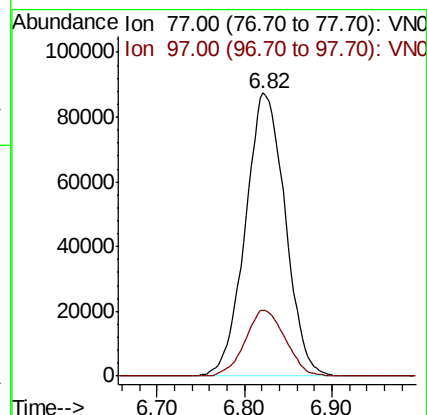
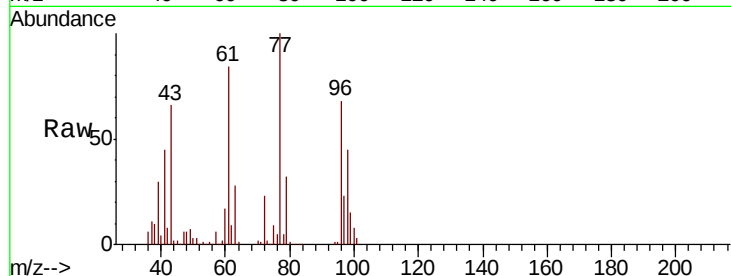
ClientSampleId :

Tot Ion: 77 Resp: 276355

Ion Ratio Lower Upper

77 100

97 23.5 12.0 18.0#



#32

1,1,1-Trichloroethane

Concen: 19.661 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

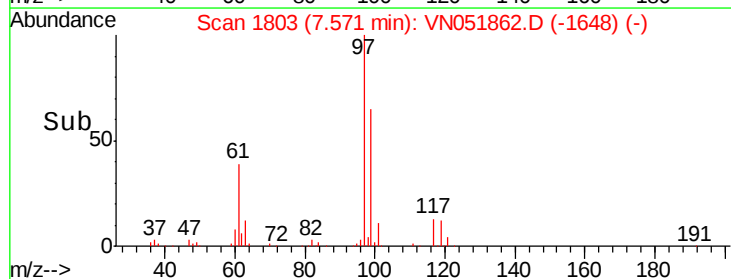
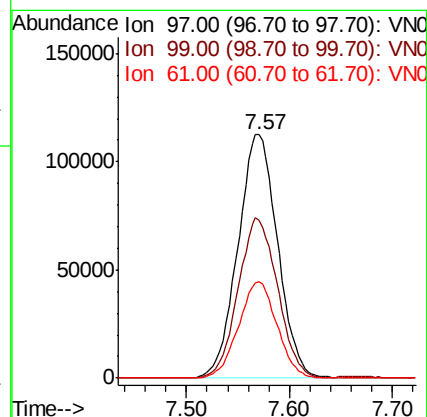
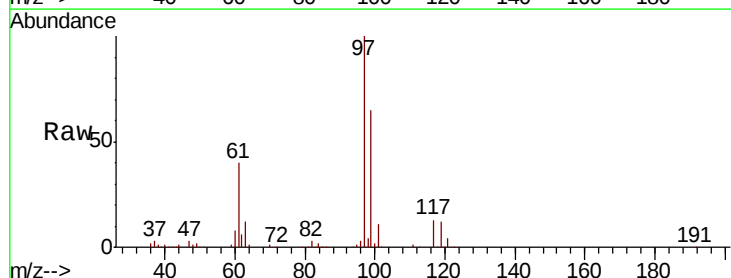
Tgt Ion: 97 Resp: 301400

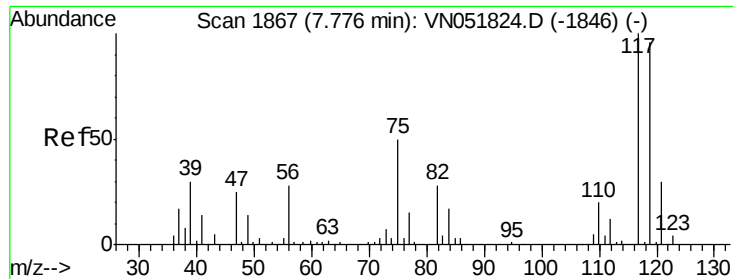
Ion Ratio Lower Upper

97 100

99 65.2 51.6 77.4

61 38.5 37.4 56.0

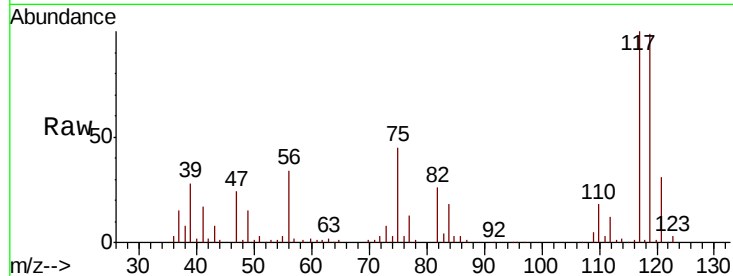




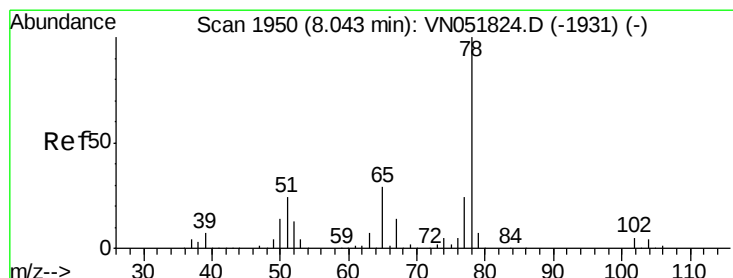
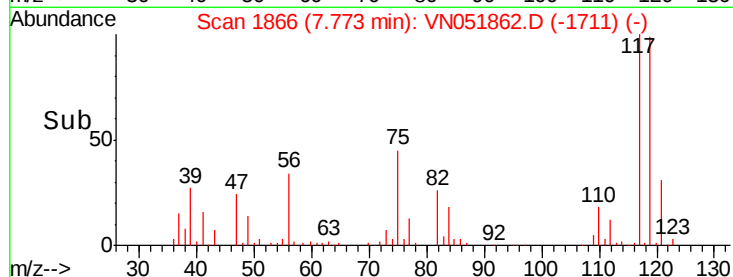
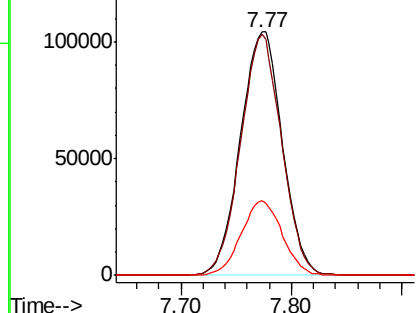
#33
Carbon Tetrachloride
Concen: 19.785 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 274396
Ion Ratio Lower Upper
117 100
119 98.9 85.1 127.7
121 30.6 24.2 36.2

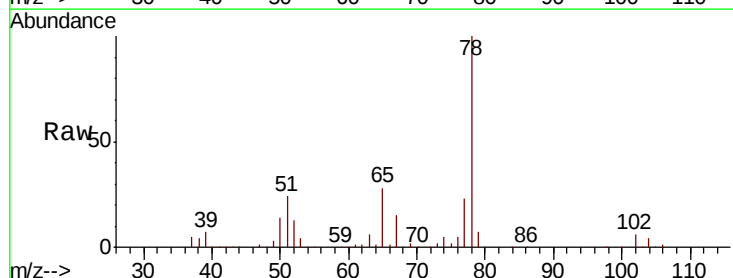


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

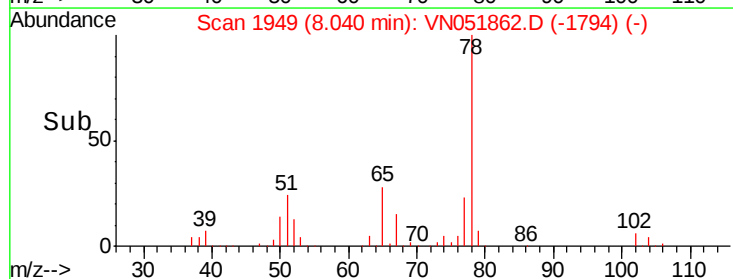
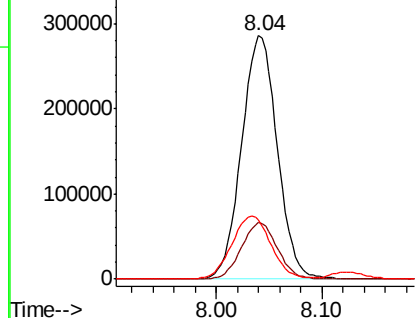


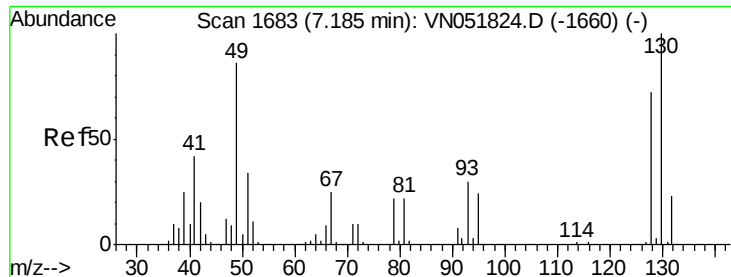
#34
Benzene
Concen: 19.695 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion: 78 Resp: 673618
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2
51 24.1 46.2 69.4#



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

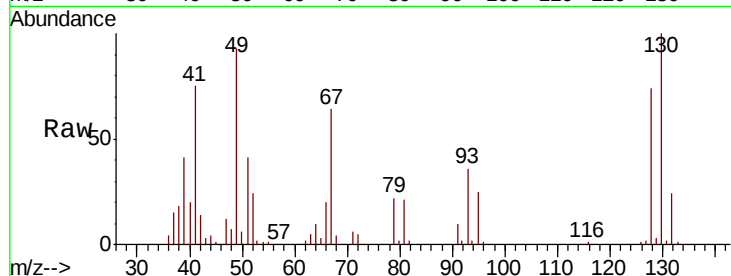




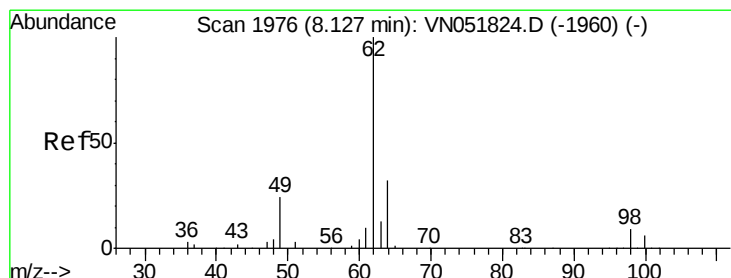
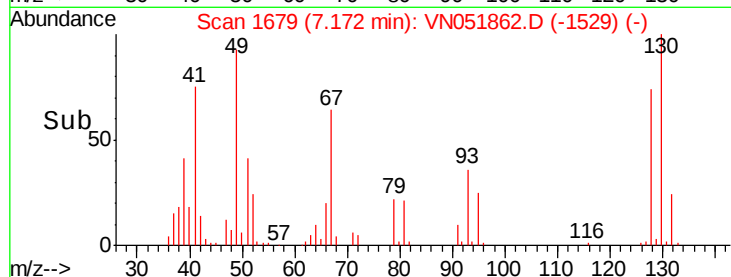
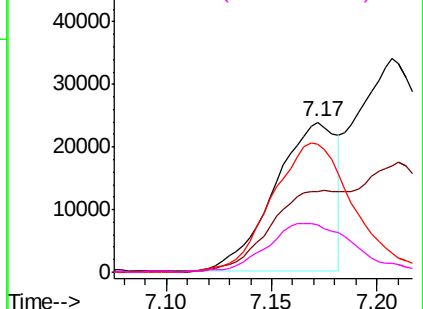
#35
Methacrylonitrile
Concen: 15.243 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 48400
Ion Ratio Lower Upper
41 100
39 54.6 22.6 67.7
67 85.4 28.9 86.8
52 30.9 11.3 33.9

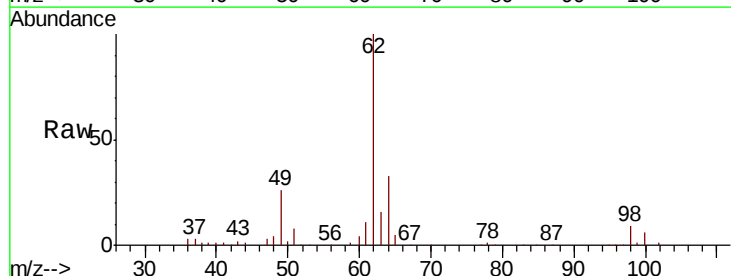


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

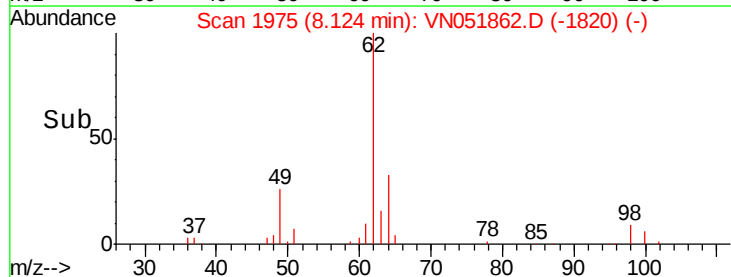
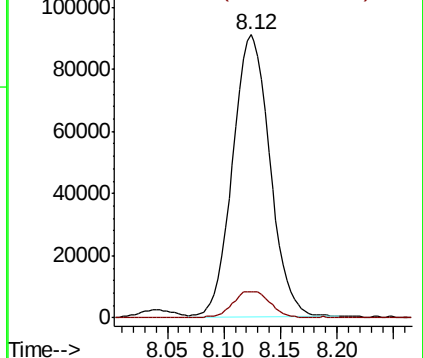


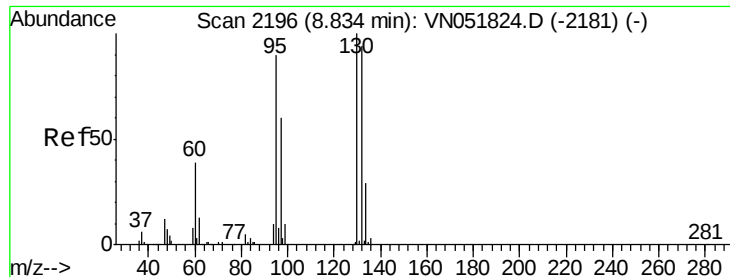
#36
1,2-Dichloroethane
Concen: 18.990 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion: 62 Resp: 208115
Ion Ratio Lower Upper
62 100
98 9.5 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 19.416 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

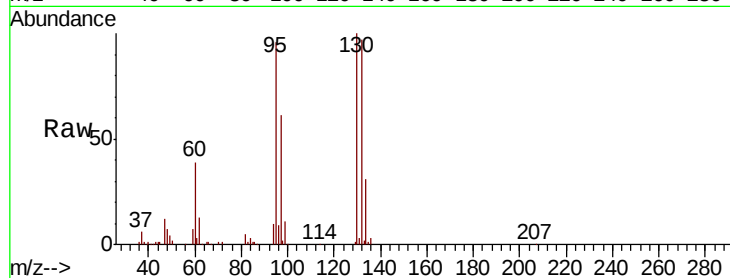
ClientSampled :

Tot Ion:130 Resp: 206147

Ion Ratio Lower Upper

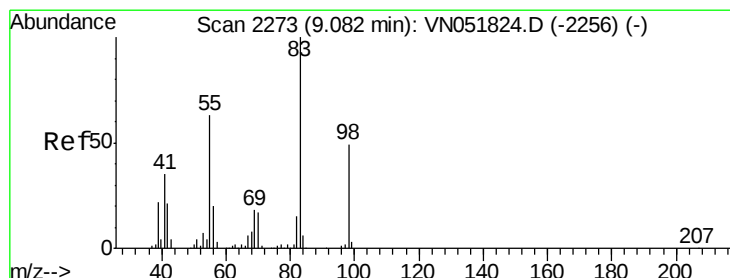
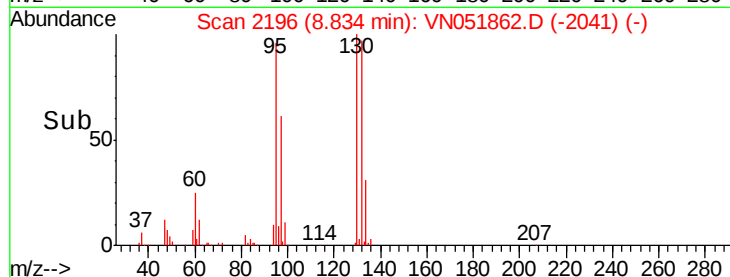
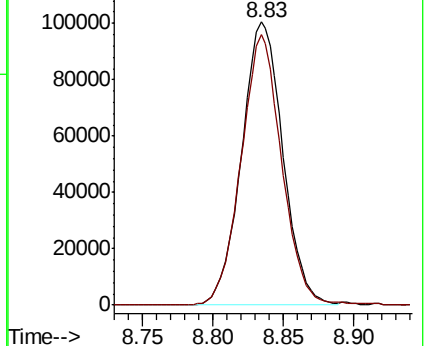
130 100

95 95.6 76.4 114.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.659 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

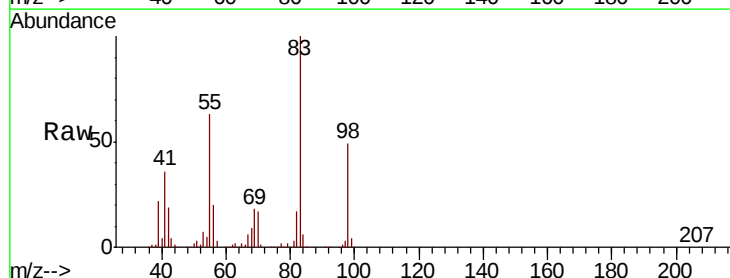
Tgt Ion: 83 Resp: 291545

Ion Ratio Lower Upper

83 100

55 61.6 43.0 129.2

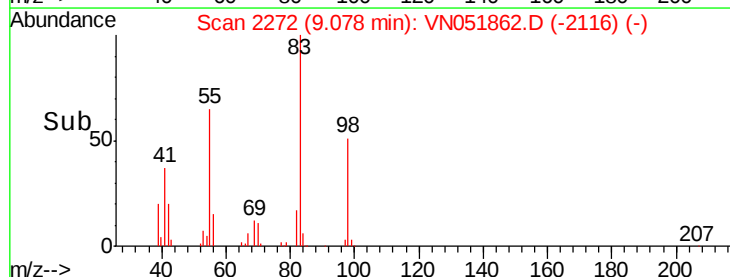
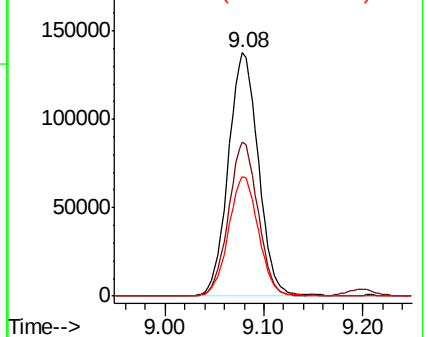
98 48.9 21.3 63.7

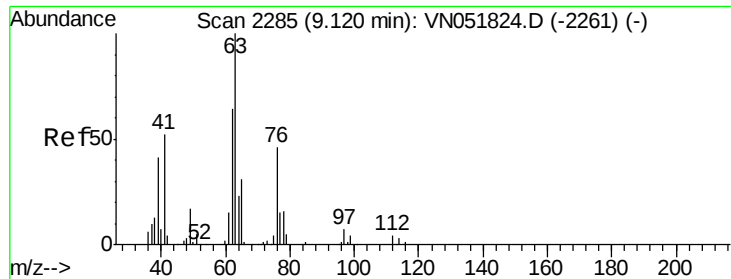


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 19.415 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

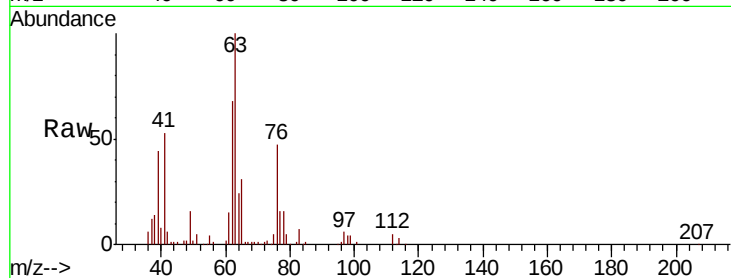
ClientSampled :

Tot Ion: 63 Resp: 156380

Ion Ratio Lower Upper

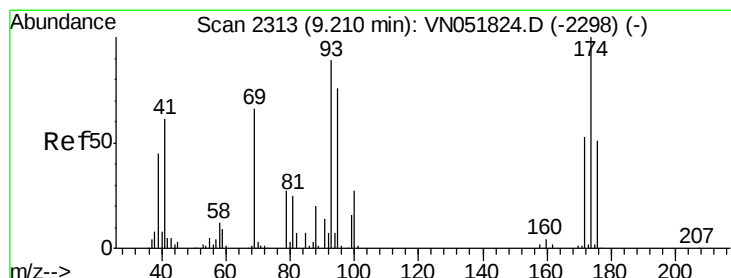
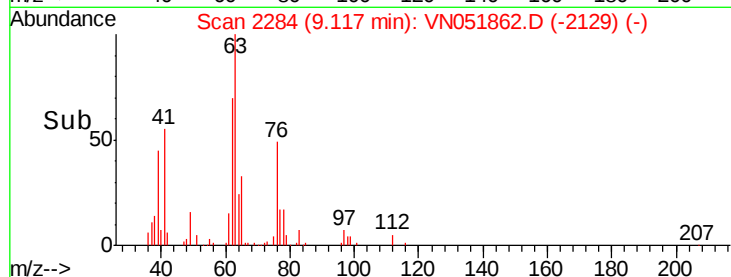
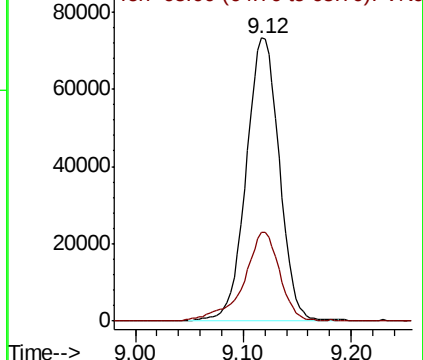
63 100

65 31.2 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.286 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

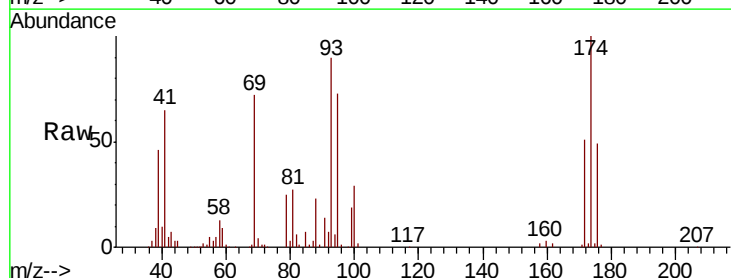
Tgt Ion: 93 Resp: 115292

Ion Ratio Lower Upper

93 100

95 82.6 0.0 162.0

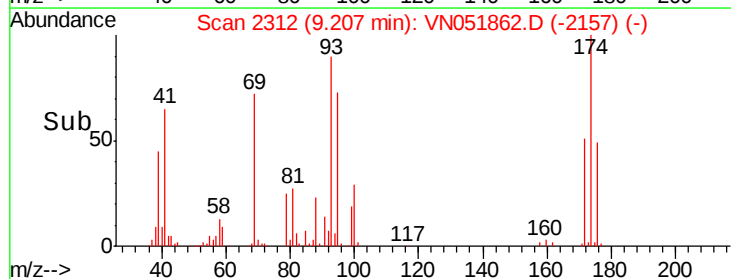
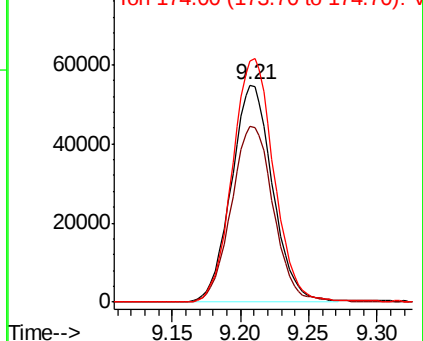
174 112.2 0.0 214.0

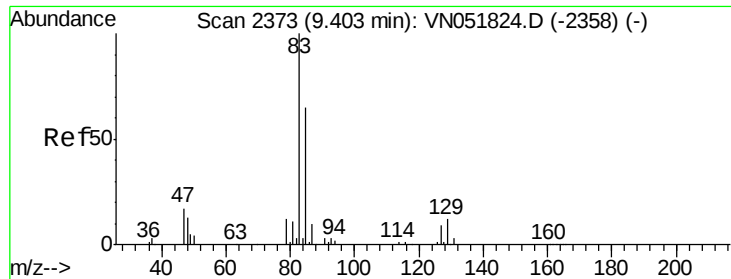


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.333 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampleId :

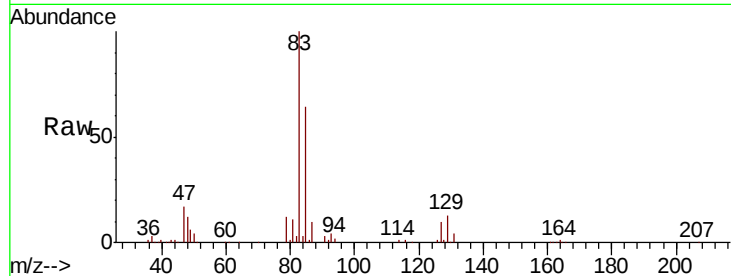
Tot Ion: 83 Resp: 238713

Ion Ratio Lower Upper

83 100

85 64.3 55.7 83.5

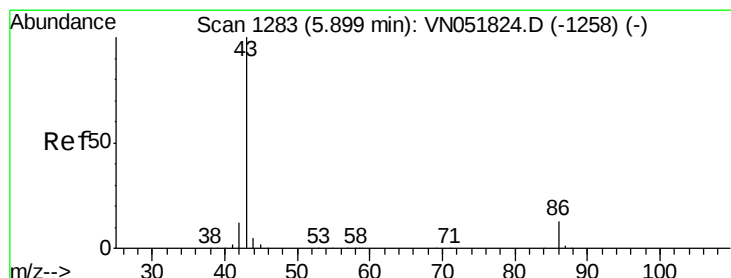
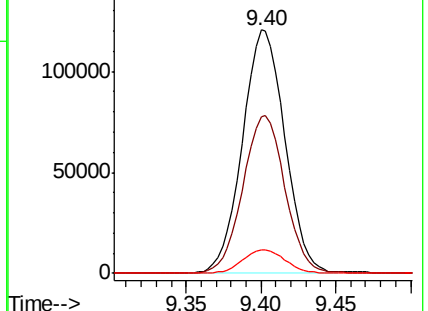
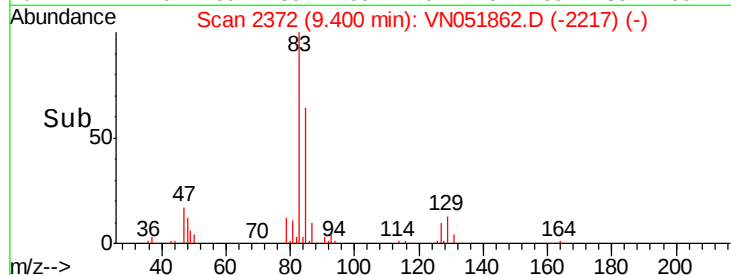
127 10.5 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN051824.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN051824.D (-2358) (-)



#42

Vinyl Acetate

Concen: 95.203 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051862.D

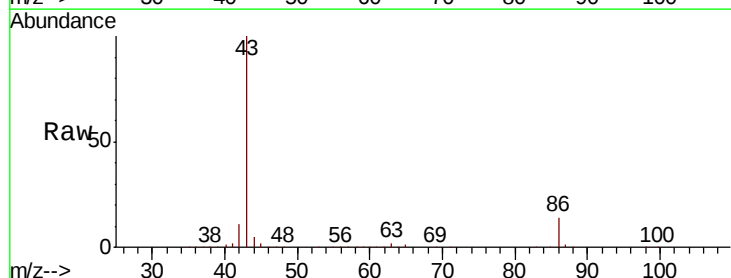
Acq: 15 Oct 2018 9:41

Tgt Ion: 43 Resp: 1295186

Ion Ratio Lower Upper

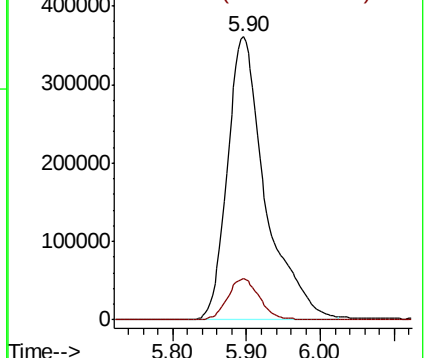
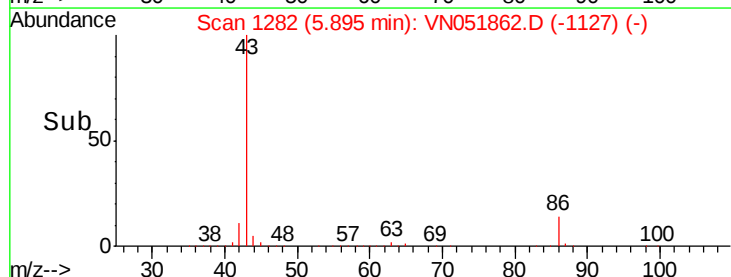
43 100

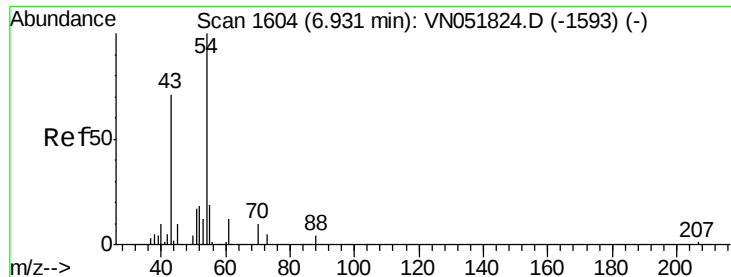
86 12.2 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN051824.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN051824.D (-1258) (-)

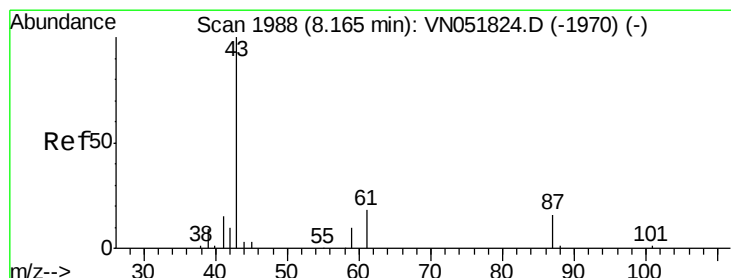
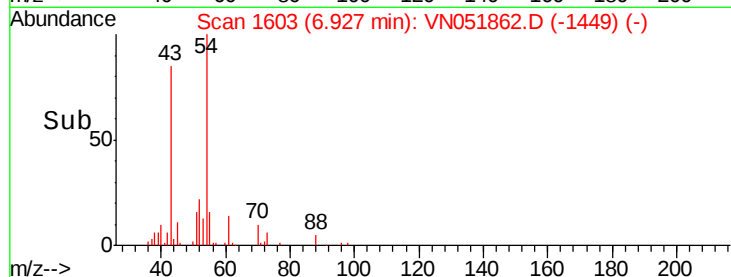
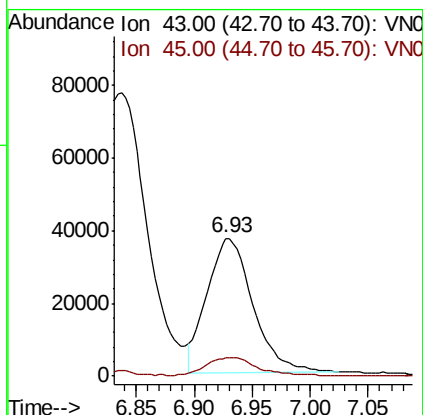
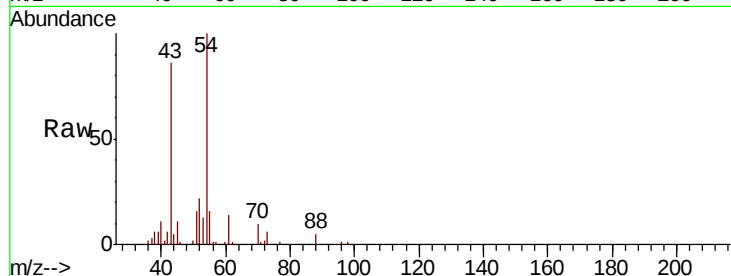




#43
Ethyl Acetate
Concen: 19.428 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

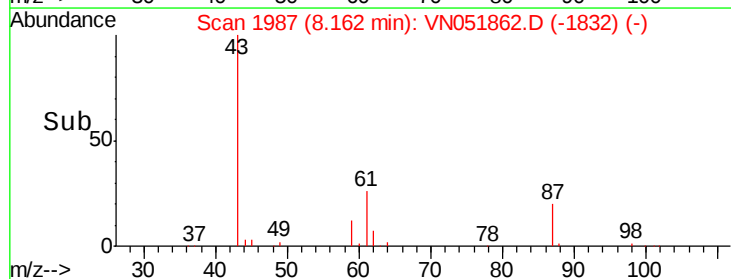
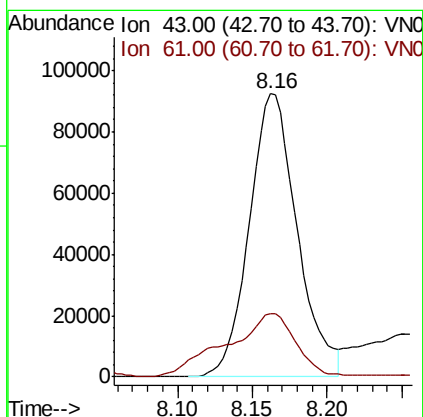
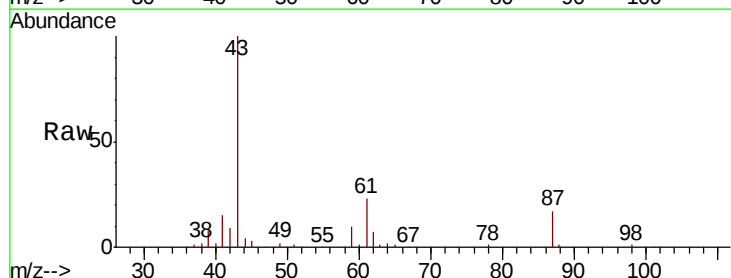
Instrument :
MSVOA_N
ClientSampled :

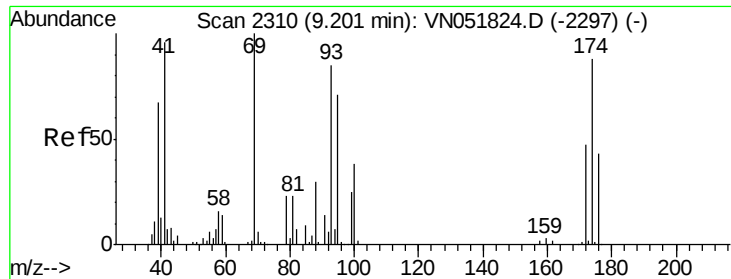
Tot Ion: 43 Resp: 101948
Ion Ratio Lower Upper
43 100
45 15.7 11.0 16.6



#44
Isopropyl Acetate
Concen: 19.662 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion: 43 Resp: 206087
Ion Ratio Lower Upper
43 100
61 31.2 15.9 23.9#





#45

1,4-Dioxane

Concen: 390.429 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampleId :

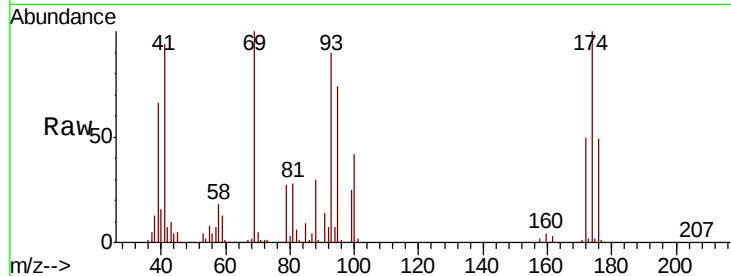
Tot Ion: 88 Resp: 32859

Ion Ratio Lower Upper

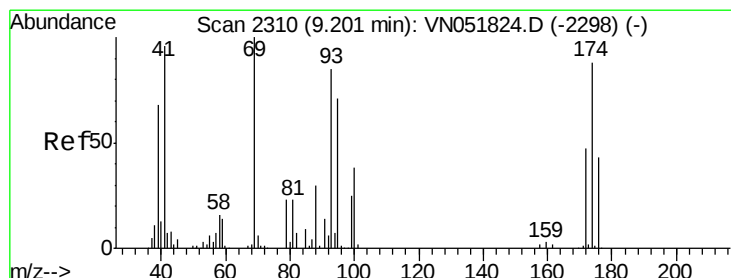
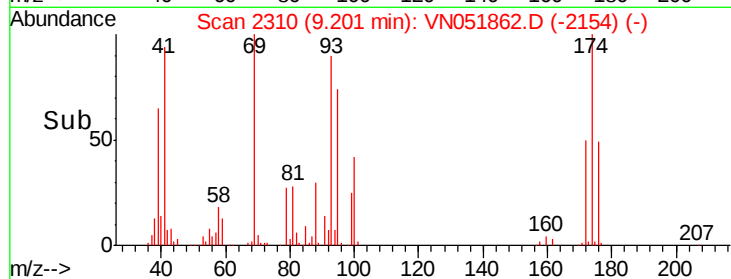
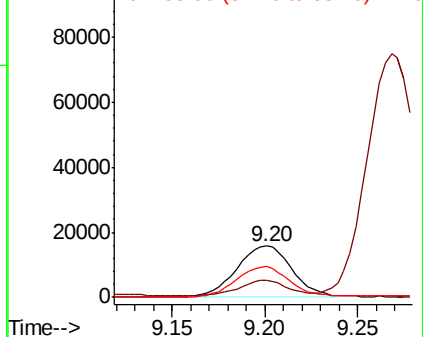
88 100

43 27.2 26.2 39.2

58 58.9 65.6 98.4#



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



#46

Methyl methacrylate

Concen: 18.884 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

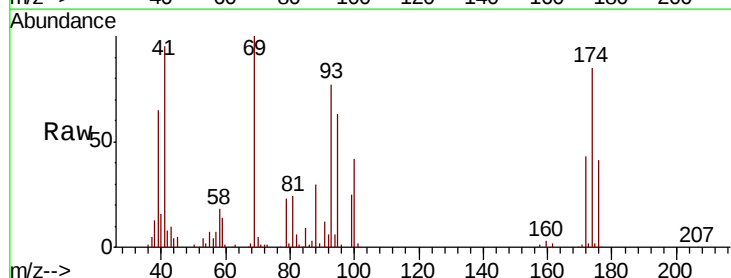
Tgt Ion: 41 Resp: 91299

Ion Ratio Lower Upper

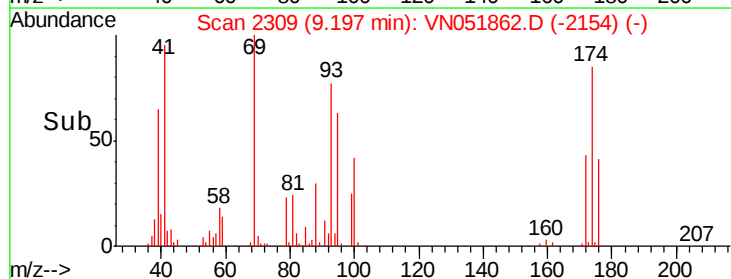
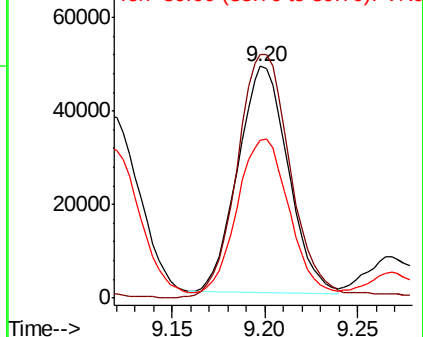
41 100

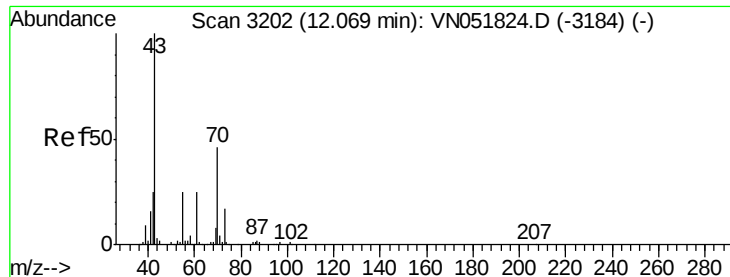
69 107.0 40.7 122.1

39 67.5 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





#47

n-amvl Acetate

Concen: 17.394 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

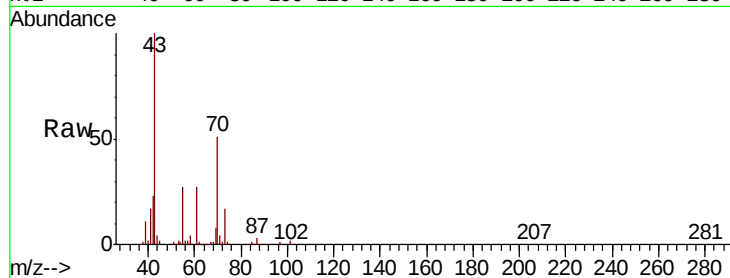
ClientSampled :

Tot Ion: 43 Resp: 152621

Ion Ratio Lower Upper

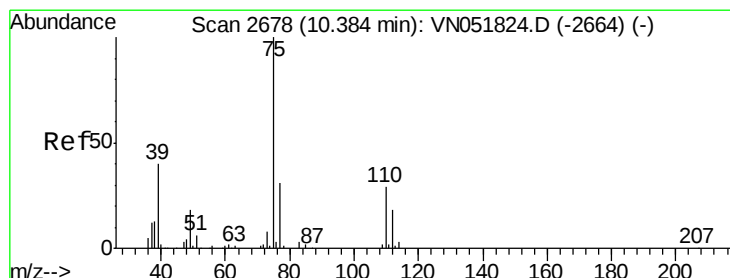
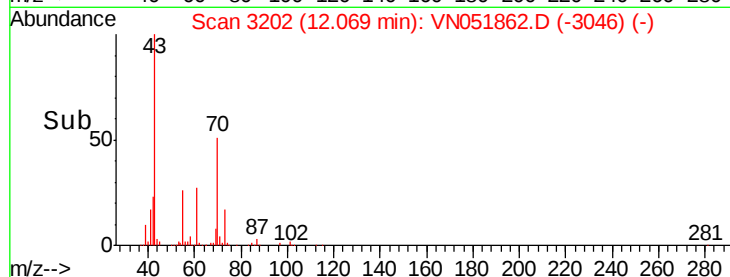
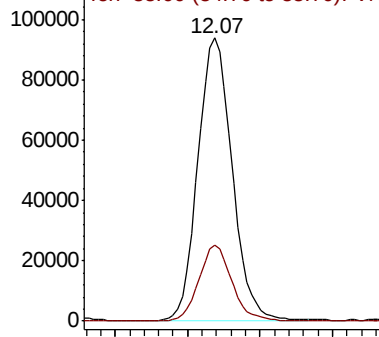
43 100

55 25.8 12.2 18.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.534 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051862.D

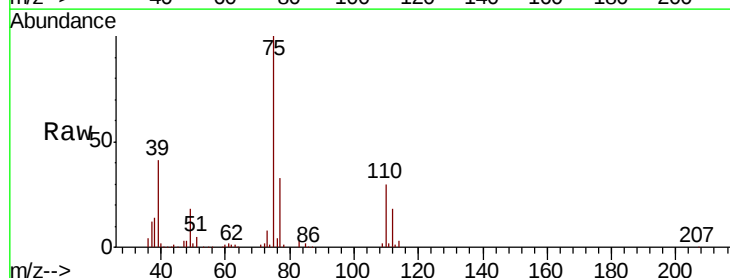
Acq: 15 Oct 2018 9:41

Tgt Ion: 75 Resp: 223171

Ion Ratio Lower Upper

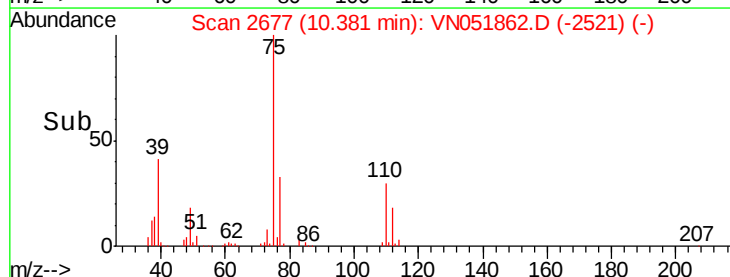
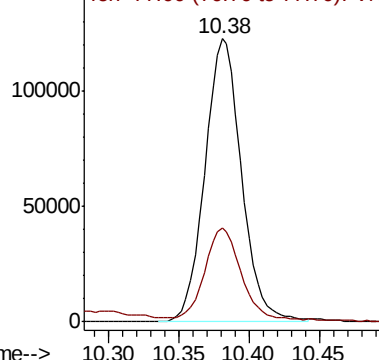
75 100

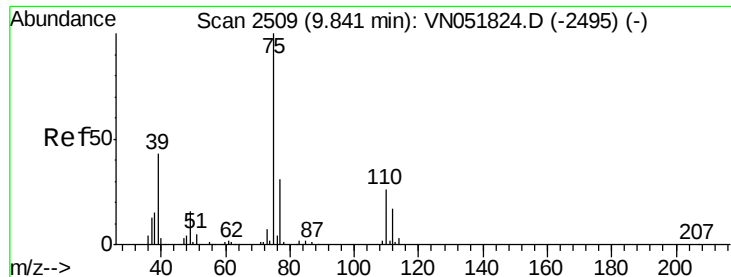
77 32.1 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



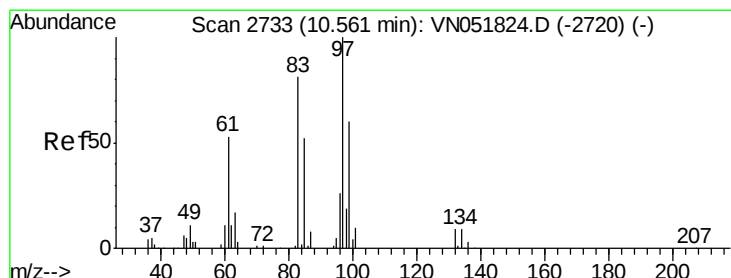
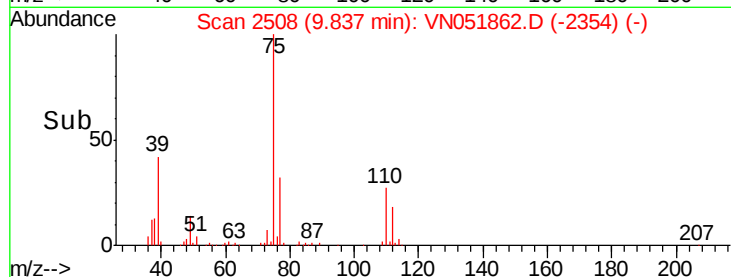
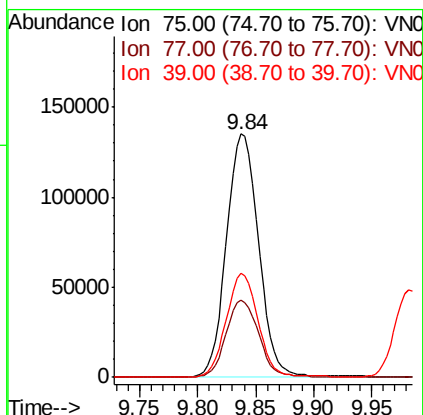
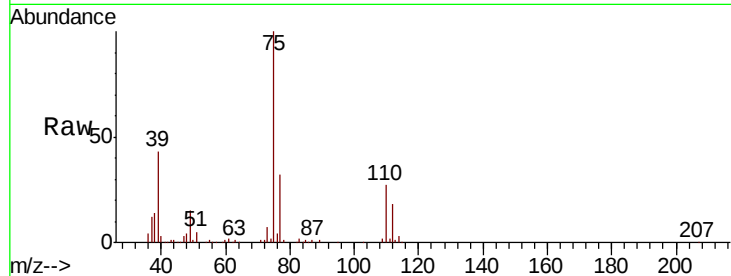


#49

cis-1,3-Dichloropropene
 Concen: 19.605 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampleId :

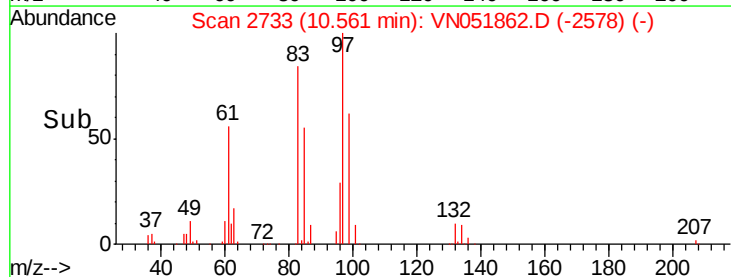
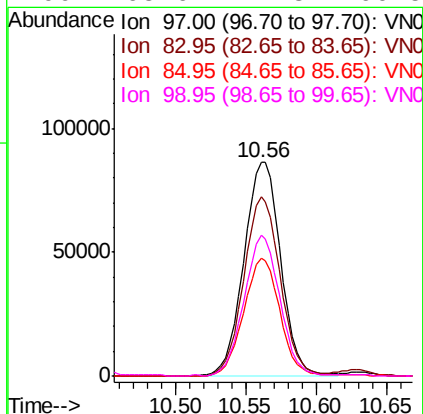
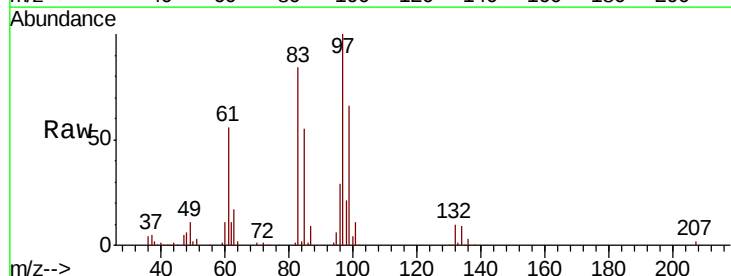
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	23.2	34.8
39	42.5	34.6	52.0

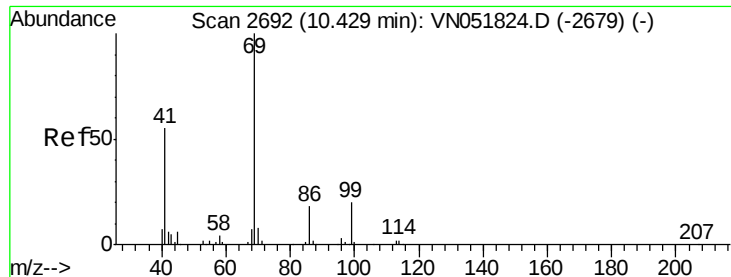


#50

1,1,2-Trichloroethane
 Concen: 19.178 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.2	102.4
85	55.3	42.5	63.7
99	65.6	44.3	66.5

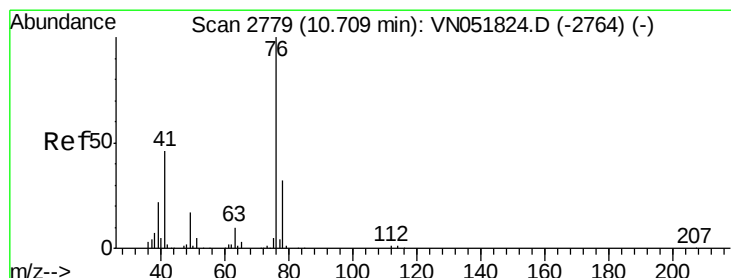
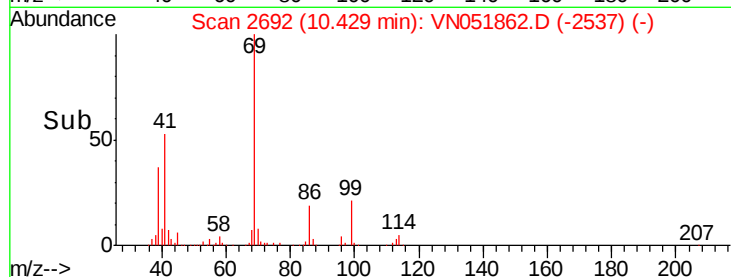
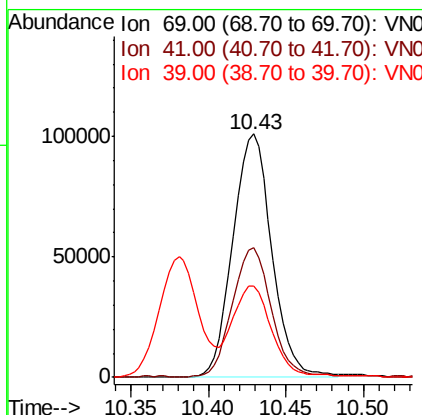
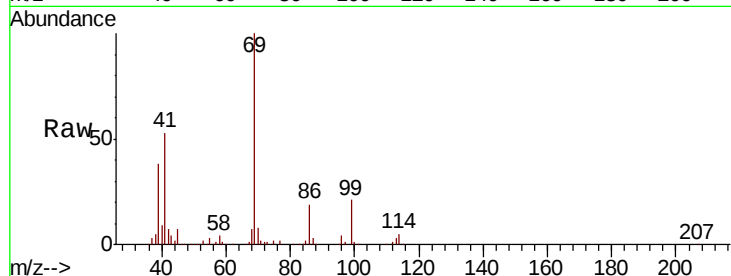




#51
Ethyl methacrylate
Concen: 18.763 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

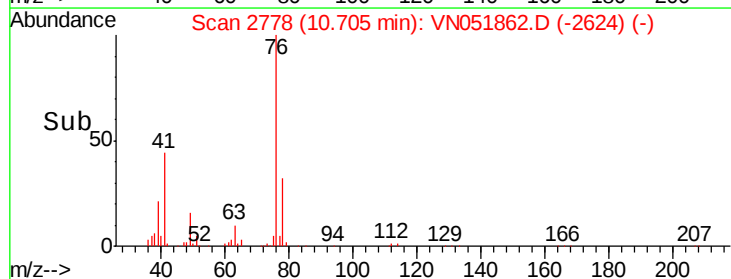
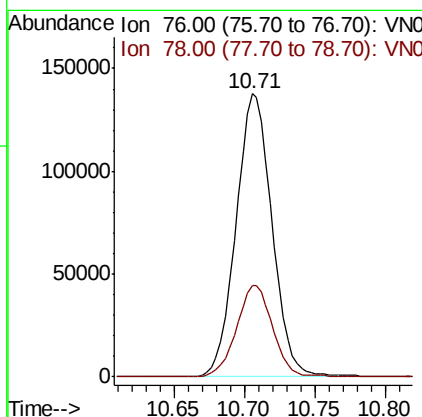
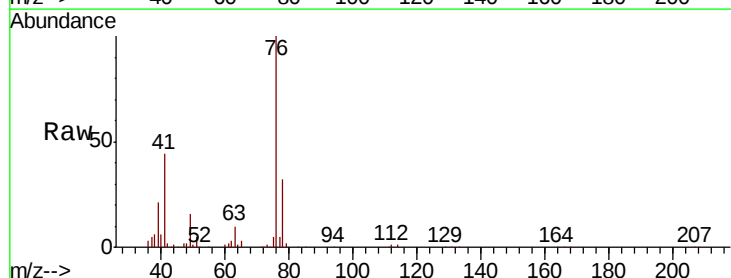
Instrument :
MSVOA_N
ClientSampled :

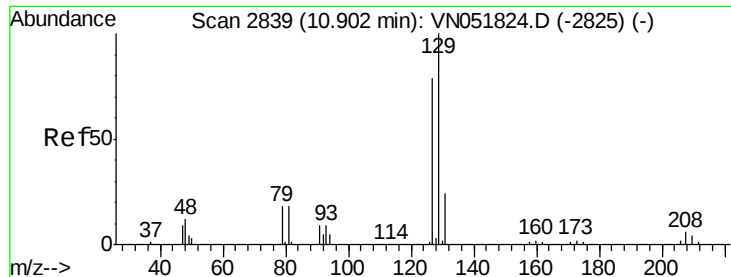
Tot Ion: 69 Resp: 177422
Ion Ratio Lower Upper
69 100
41 52.6 34.4 103.1
39 36.9 16.3 48.8



#52
1,3-Dichloropropane
Concen: 19.315 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion: 76 Resp: 246216
Ion Ratio Lower Upper
76 100
78 32.2 0.0 67.6

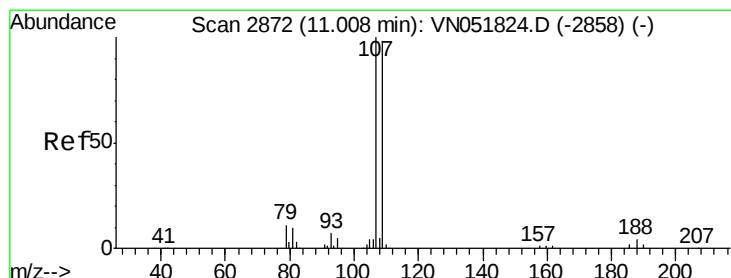
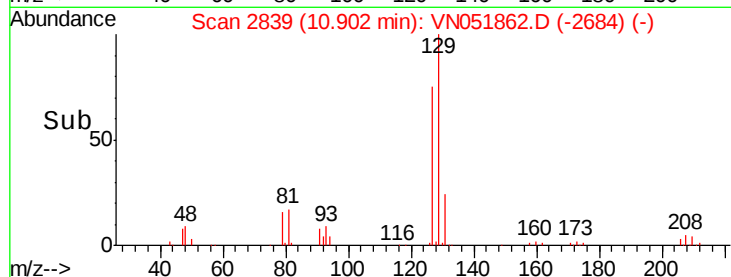
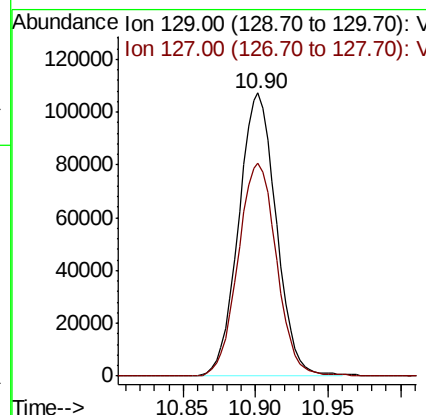
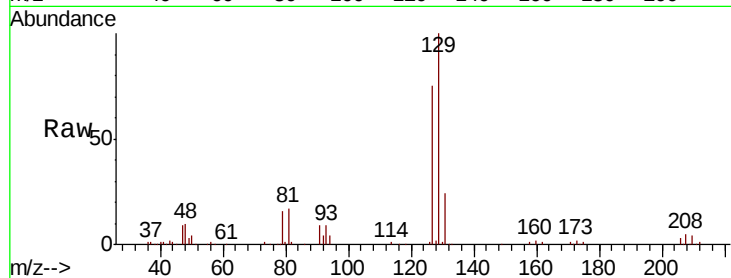




#53
 Dibromochloromethane
 Concen: 18.889 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

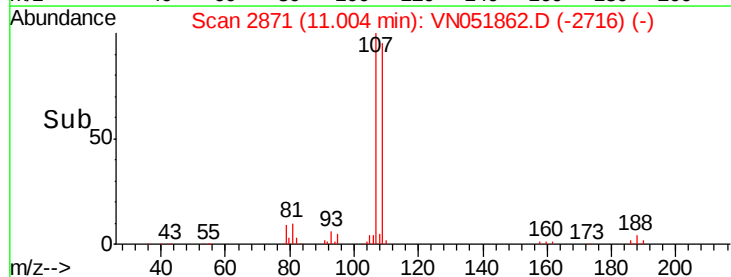
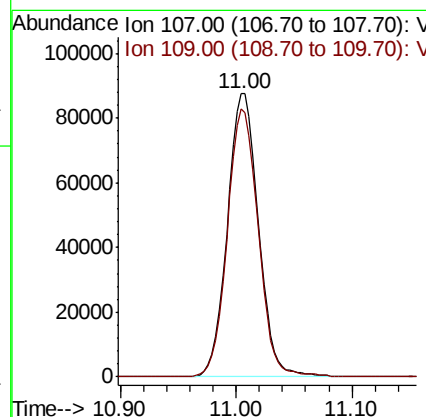
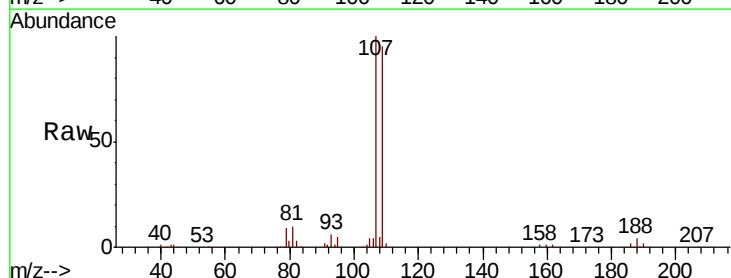
Instrument :
 MSVOA_N
 ClientSampleId :

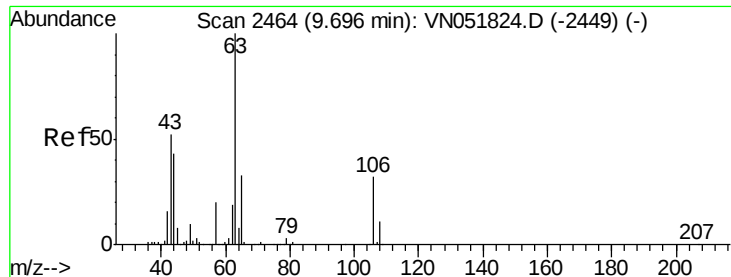
Tot Ion:129 Resp: 193003
 Ion Ratio Lower Upper
 129 100
 127 77.1 40.2 120.5



#54
 1,2-Dibromoethane
 Concen: 18.790 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion:107 Resp: 162900
 Ion Ratio Lower Upper
 107 100
 109 93.7 77.4 116.0





#55

2-Chloroethyl vinyl ether

Concen: 99.613 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampleId :

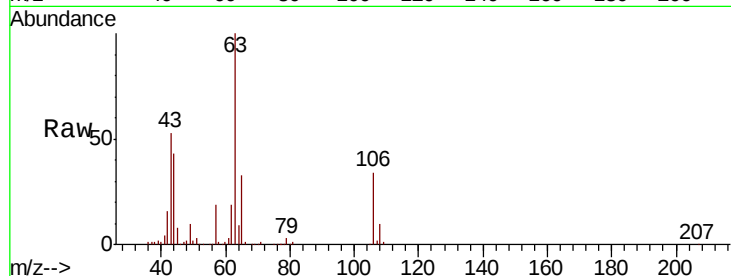
Tot Ion: 63 Resp: 402682

Ion Ratio Lower Upper

63 100

65 33.1 25.4 38.0

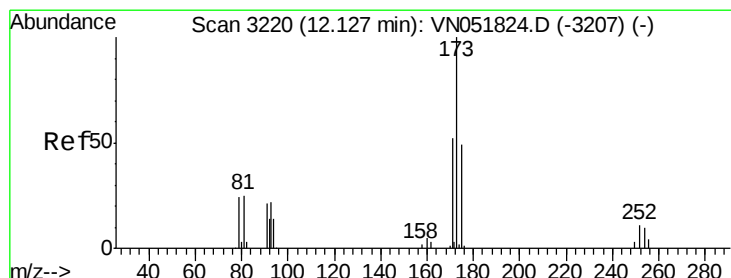
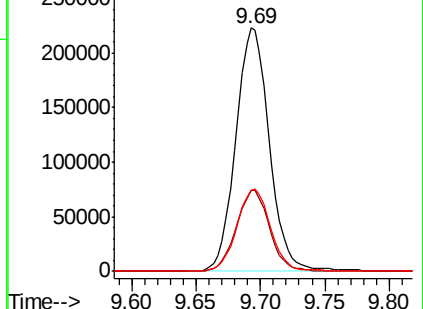
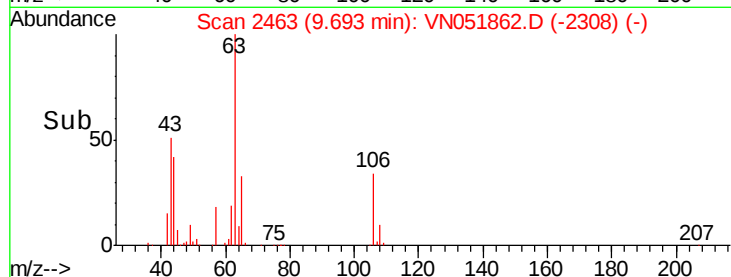
106 34.1 21.2 31.8#



Abundance Ion 63.00 (62.70 to 63.70): VN051862.D (-2308) (-)

Ion 65.00 (64.70 to 65.70): VN051862.D (-2308) (-)

Ion 106.00 (105.70 to 106.70): VN051862.D (-2308) (-)



#56

Bromoform

Concen: 17.791 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

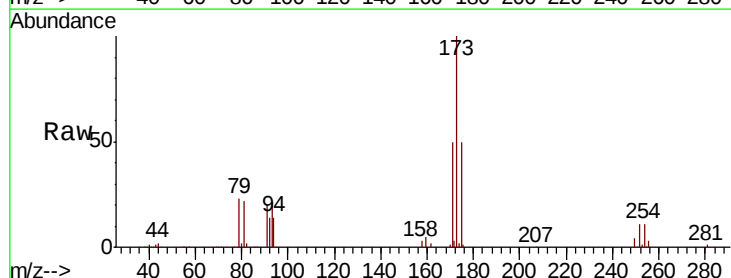
Tgt Ion: 173 Resp: 119888

Ion Ratio Lower Upper

173 100

175 49.2 35.8 53.8

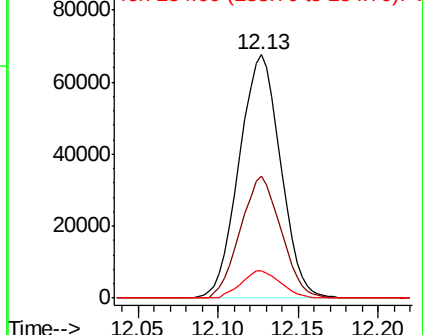
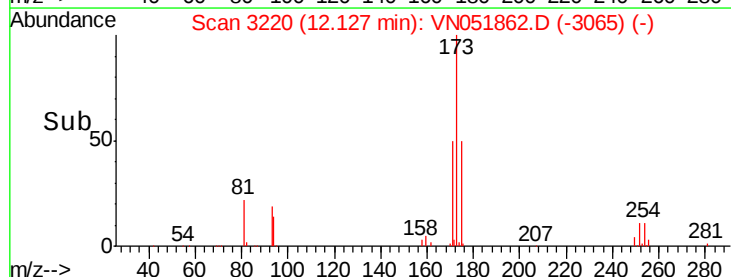
254 10.5 8.6 13.0

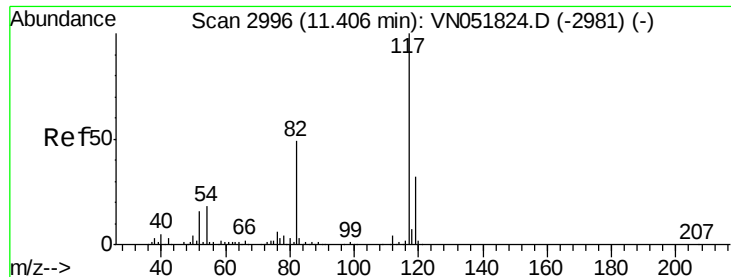


Abundance Ion 173.00 (172.70 to 173.70): VN051862.D (-3065) (-)

Ion 175.00 (174.70 to 175.70): VN051862.D (-3065) (-)

Ion 254.00 (253.70 to 254.70): VN051862.D (-3065) (-)

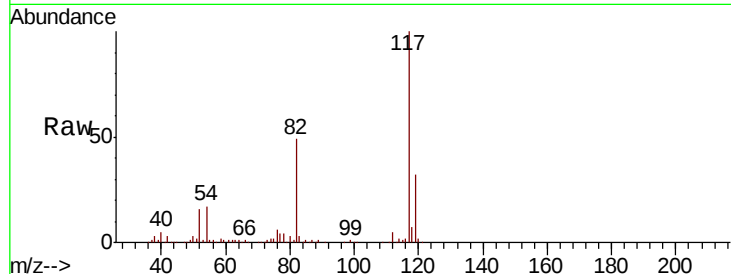




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.2	44.1	66.1
119	31.8	25.8	38.8

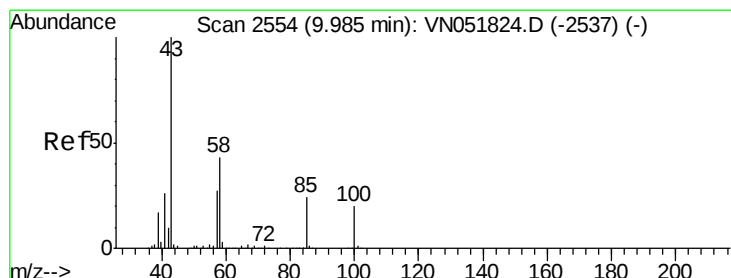
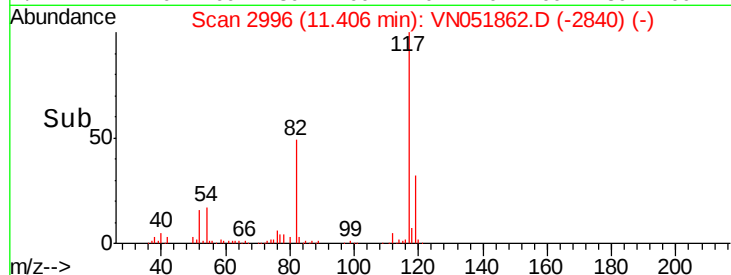
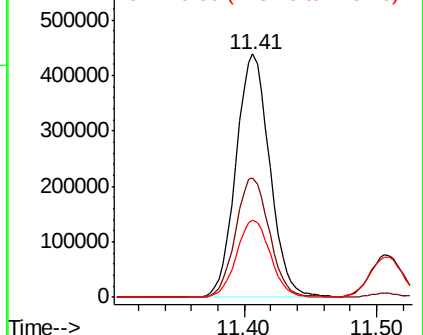


Abundance

Ion 117.00 (116.70 to 117.70): V

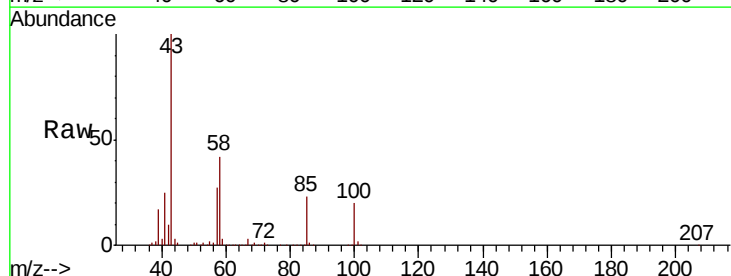
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 101.058 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.1	29.3	43.9
85	24.1	12.6	18.8

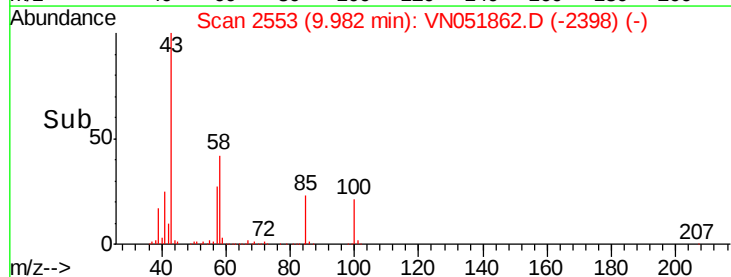
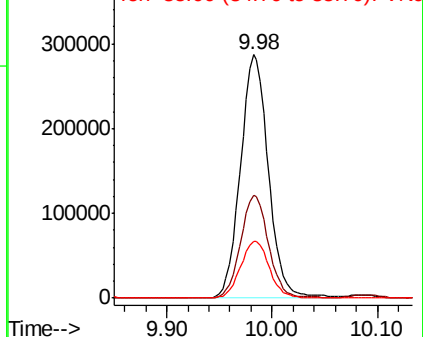


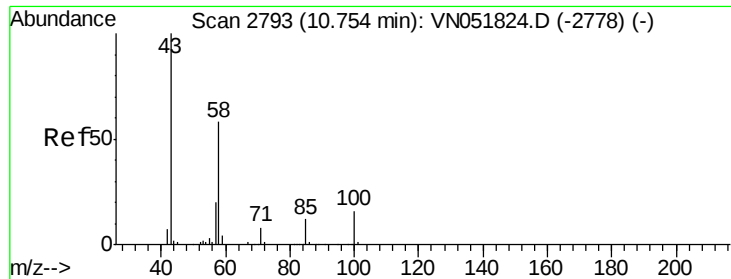
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V

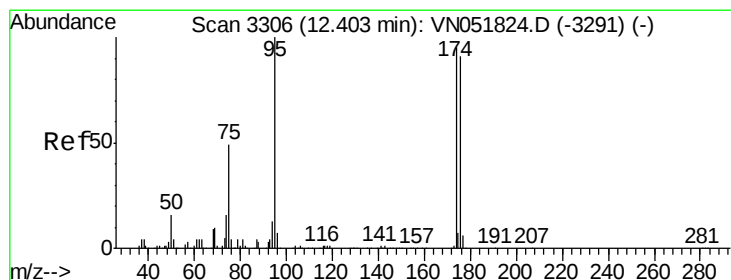
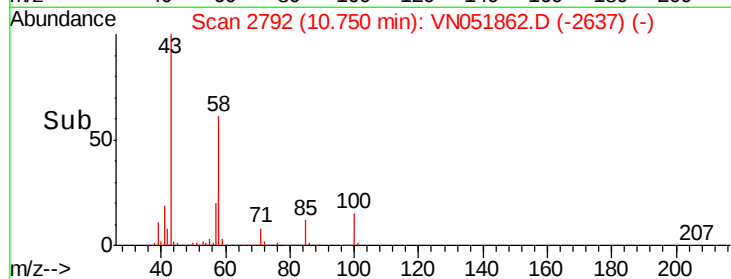
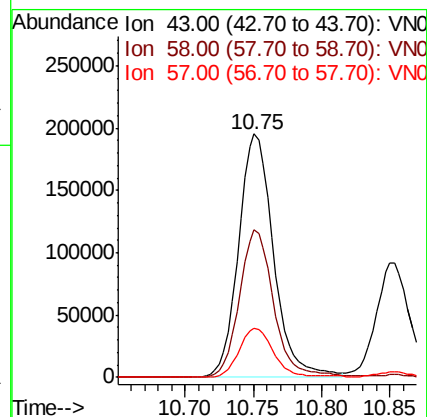
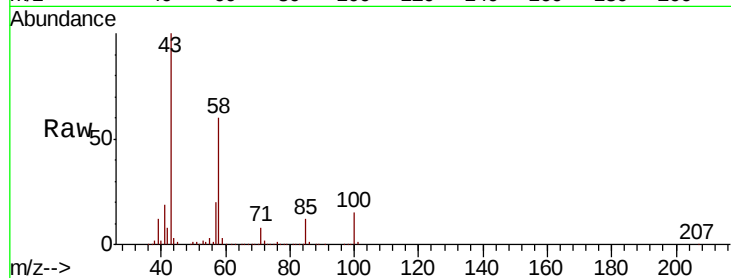




#59
2-Hexanone
Concen: 98.710 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

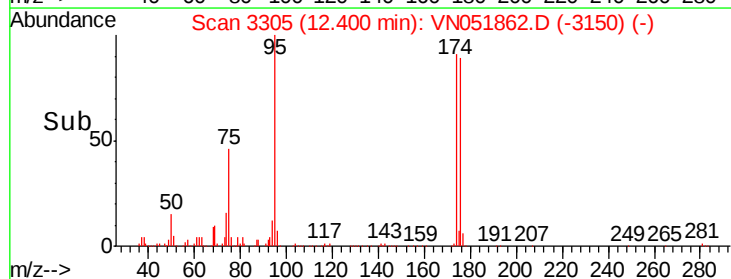
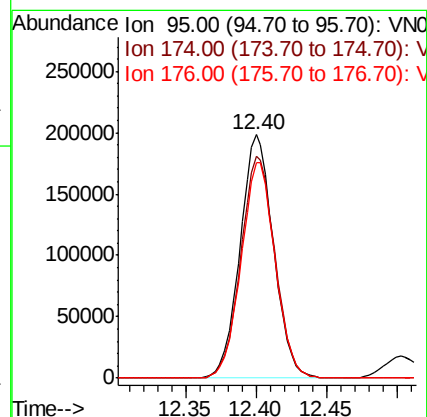
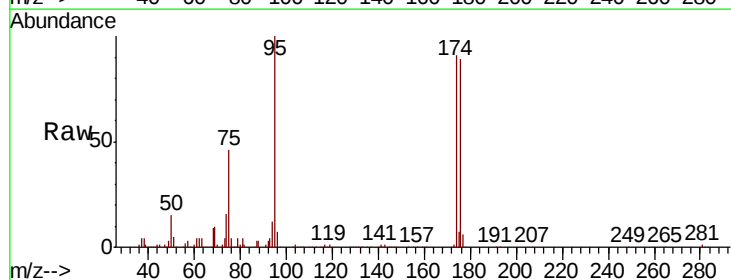
Instrument :
MSVOA_N
ClientSampled :

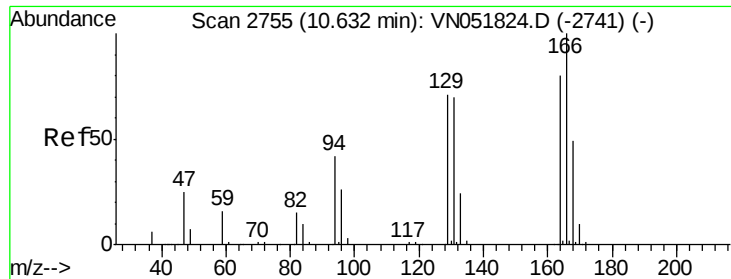
Tot Ion: 43 Resp: 346696
Ion Ratio Lower Upper
43 100
58 60.0 41.3 61.9
57 20.0 13.4 20.0



#60
4-Bromofluorobenzene
Concen: 98.710 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion: 95 Resp: 328661
Ion Ratio Lower Upper
95 100
174 93.5 73.5 110.3
176 90.4 70.2 105.2





#61

Tetrachloroethene

Concen: 21.228 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 211202

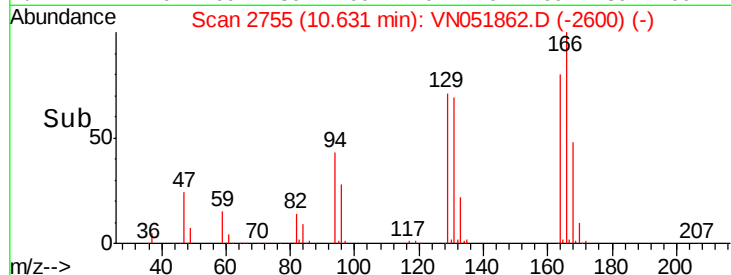
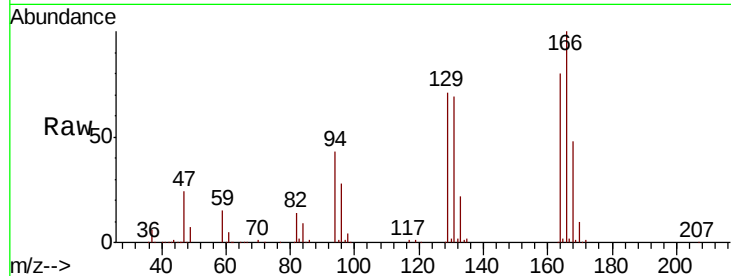
Ion Ratio Lower Upper

164 100

166 125.4 98.7 148.1

129 89.6 69.6 104.4

131 86.3 72.4 108.6

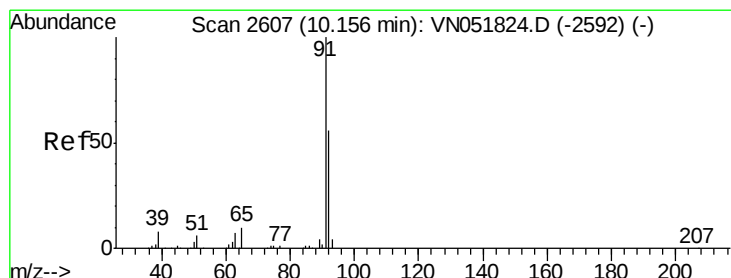
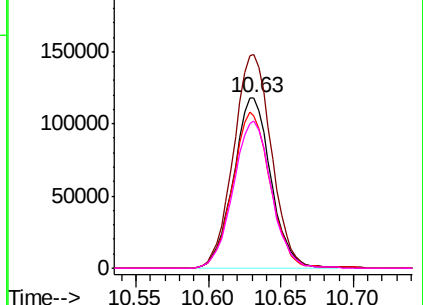


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.176 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN051862.D

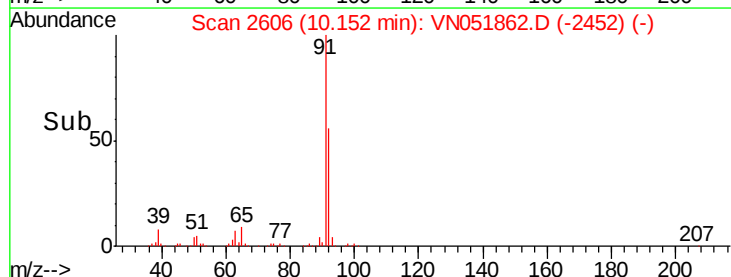
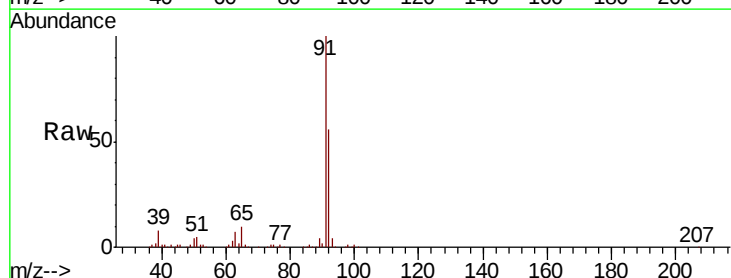
Acq: 15 Oct 2018 9:41

Tgt Ion: 91 Resp: 779779

Ion Ratio Lower Upper

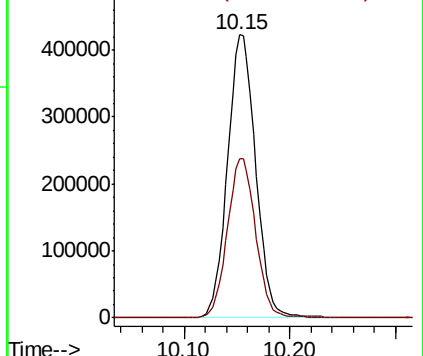
91 100

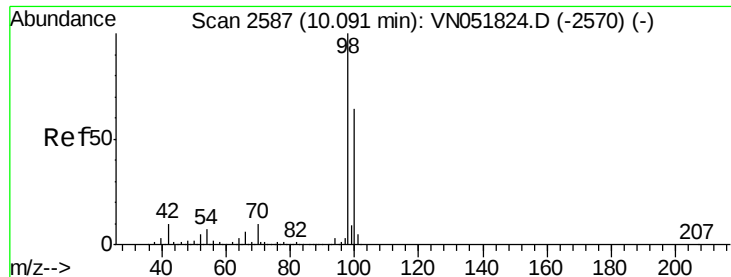
92 56.3 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.176 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

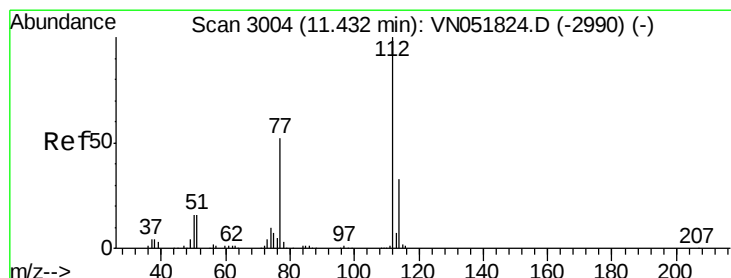
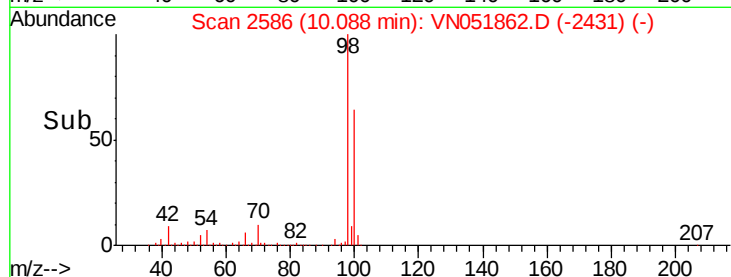
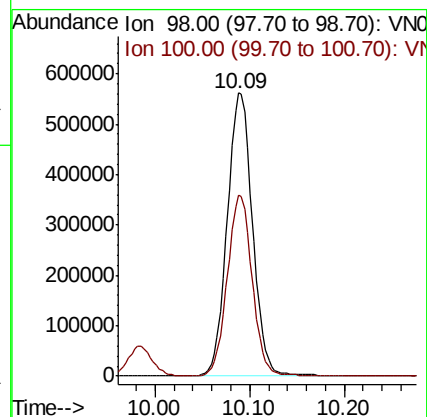
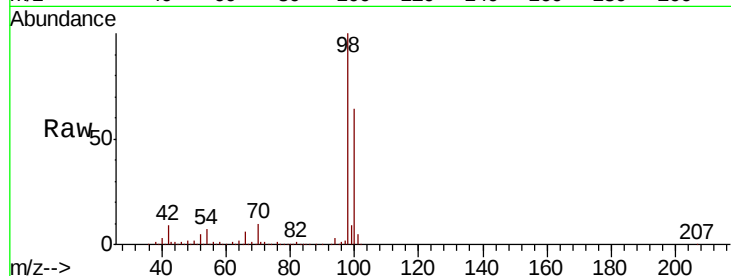
ClientSampleId :

Tot Ion: 98 Resp: 1045339

Ion Ratio Lower Upper

98 100

100 62.4 50.8 76.2



#64

Chlorobenzene

Concen: 19.744 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051862.D

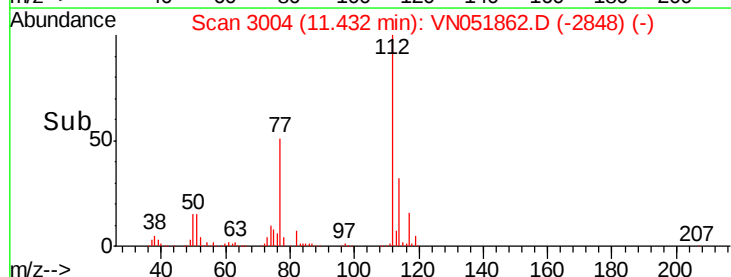
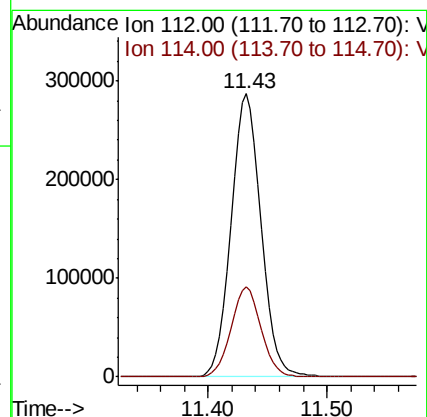
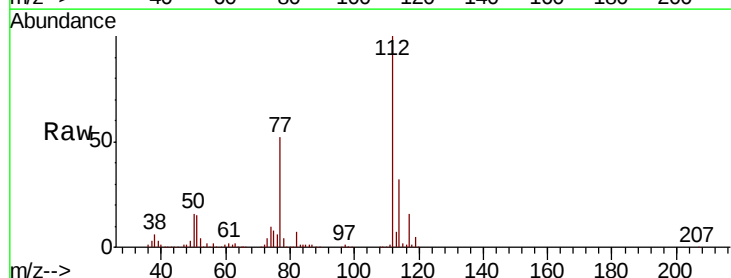
Acq: 15 Oct 2018 9:41

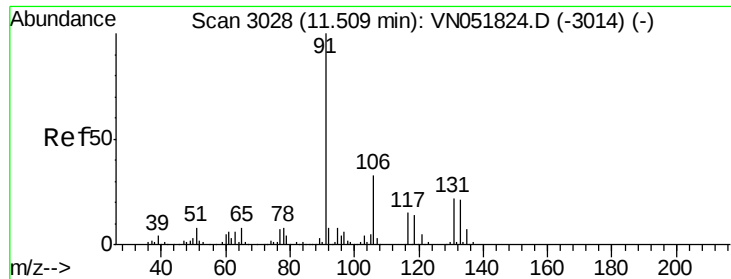
Tgt Ion: 112 Resp: 499759

Ion Ratio Lower Upper

112 100

114 31.8 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.840 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampleId :

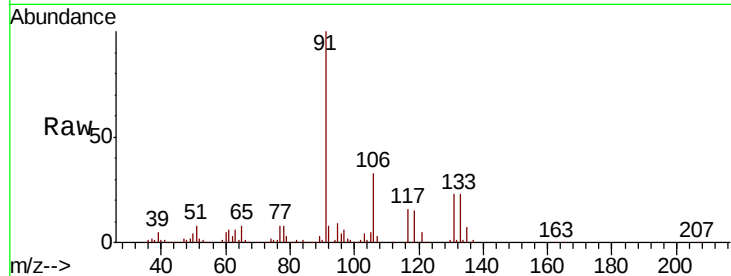
Tot Ion:131 Resp: 192751

Ion Ratio Lower Upper

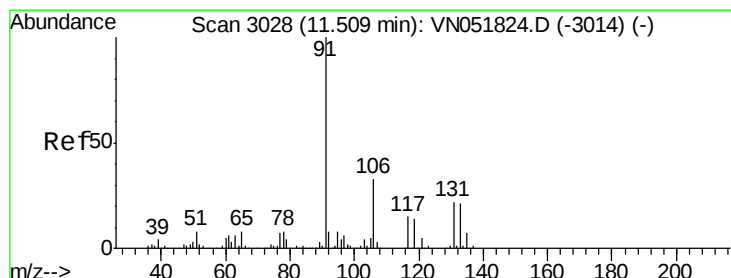
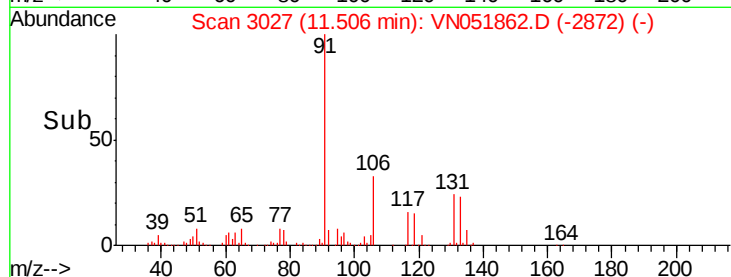
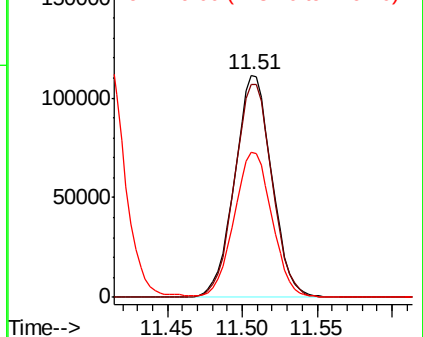
131 100

133 96.9 0.0 190.4

119 66.3 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: 19.575 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051862.D

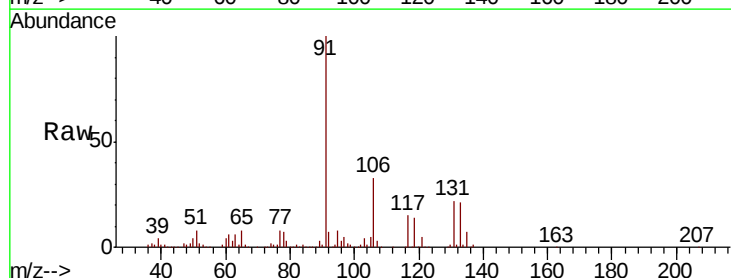
Acq: 15 Oct 2018 9:41

Tgt Ion: 91 Resp: 836124

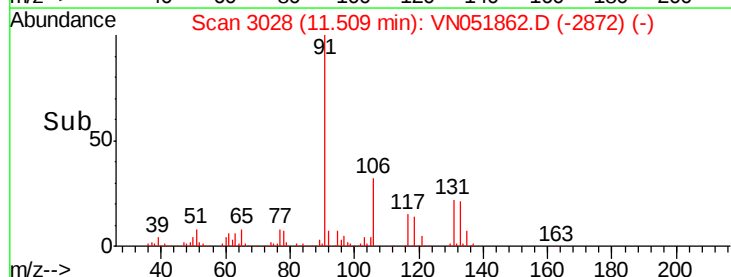
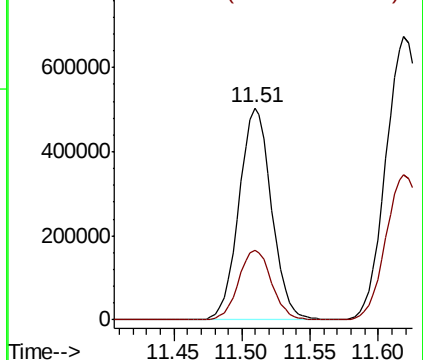
Ion Ratio Lower Upper

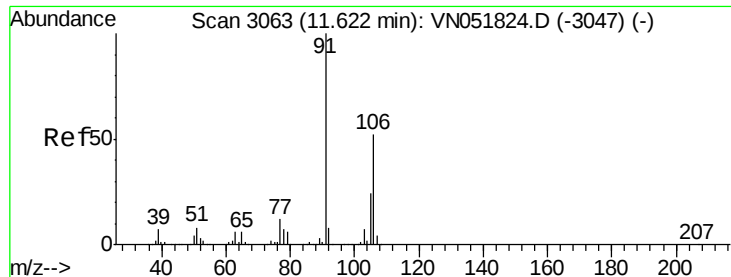
91 100

106 32.8 25.9 38.9



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

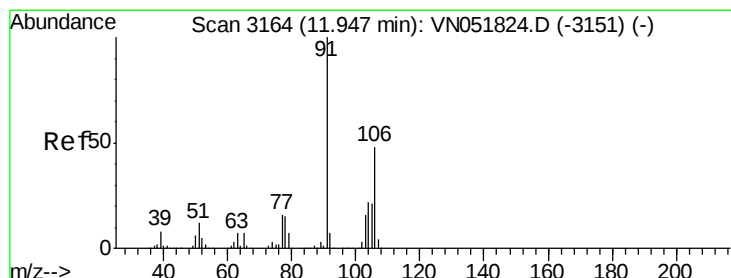
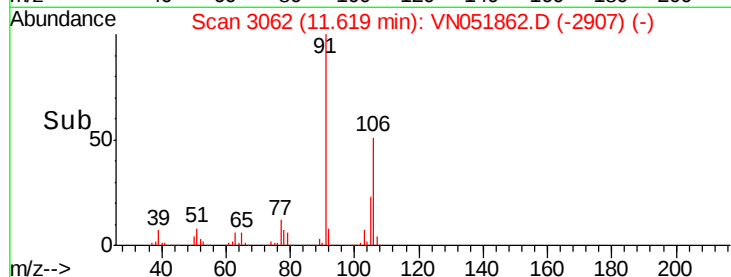
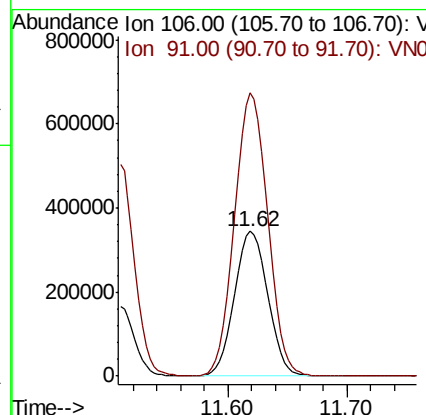
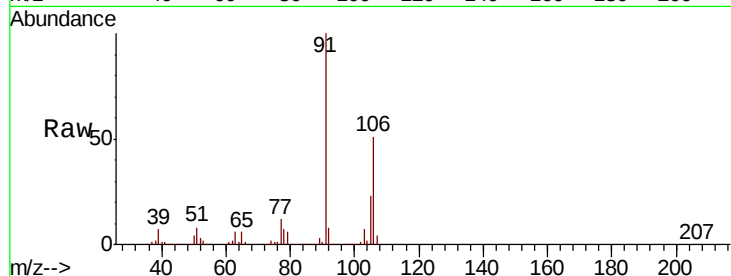




#67
m/p-Xylenes
Concen: 38.731 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

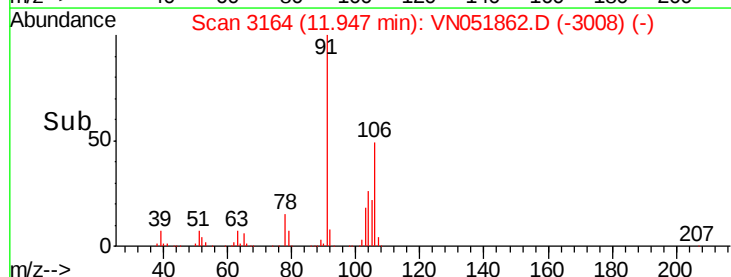
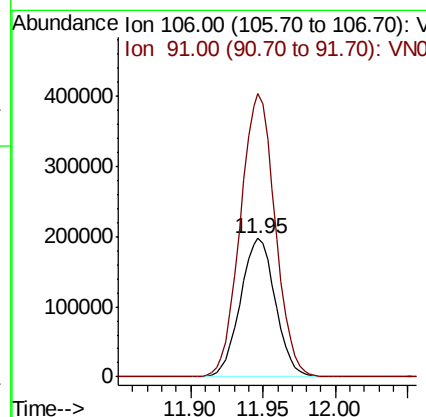
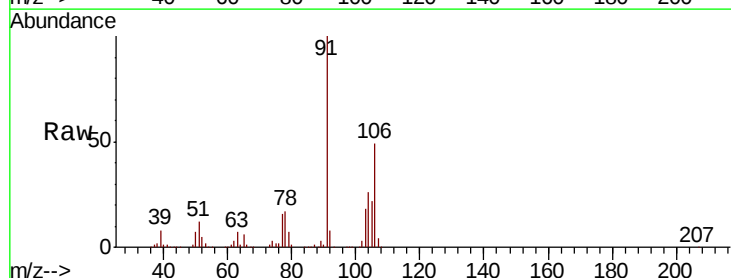
Instrument :
MSVOA_N
ClientSampled :

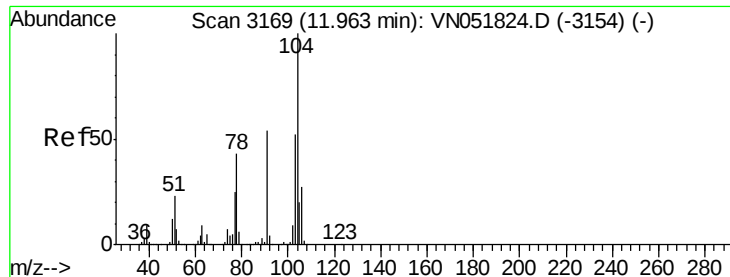
Tot Ion:106 Resp: 670711
Ion Ratio Lower Upper
106 100
91 194.5 158.8 238.2



#68
o-Xylene
Concen: 19.408 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion:106 Resp: 331330
Ion Ratio Lower Upper
106 100
91 203.6 111.1 333.3





#69

Stvrene

Concen: 18.705 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampleId :

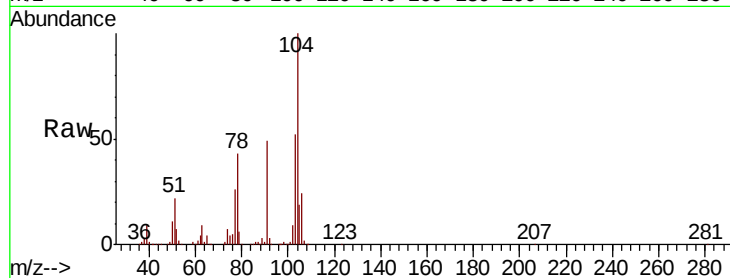
Tot Ion:104 Resp: 489932

Ion Ratio Lower Upper

104 100

78 47.6 40.6 60.8

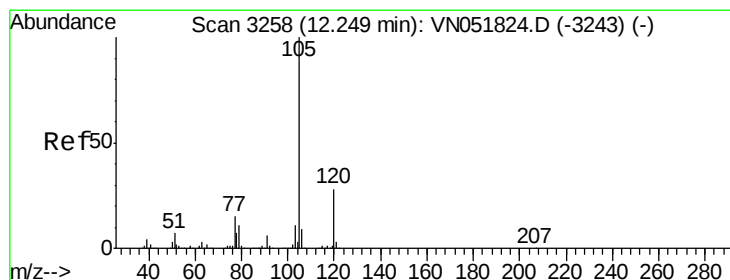
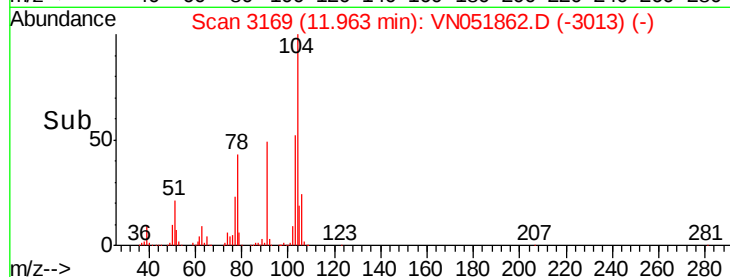
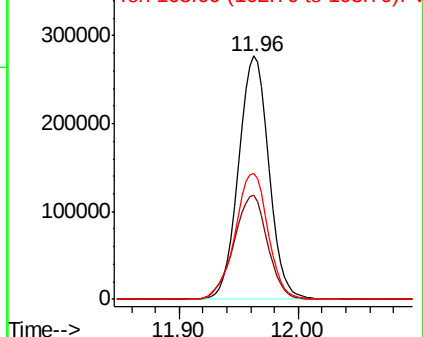
103 56.3 44.0 66.0



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: 19.425 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051862.D

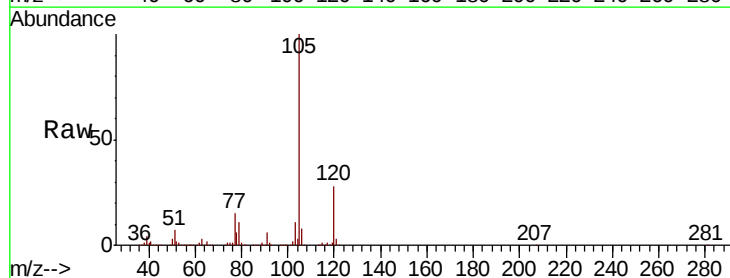
Acq: 15 Oct 2018 9:41

Tgt Ion:105 Resp: 884346

Ion Ratio Lower Upper

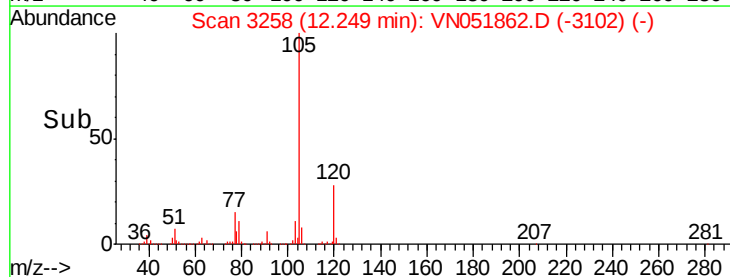
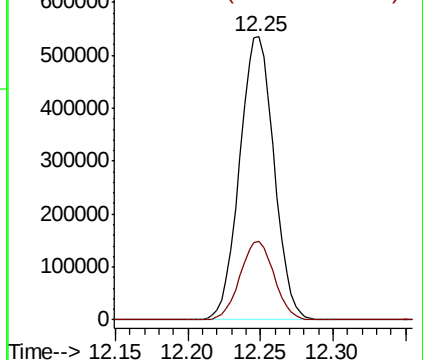
105 100

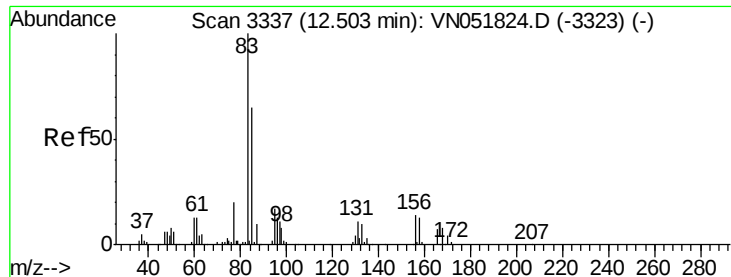
120 27.6 19.0 35.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

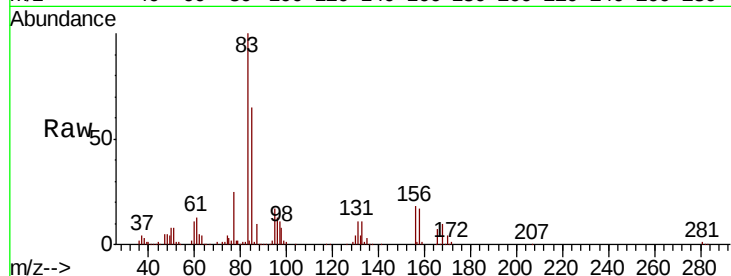




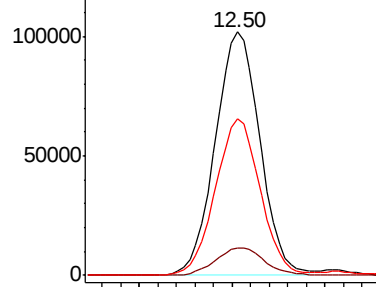
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.943 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampleId :

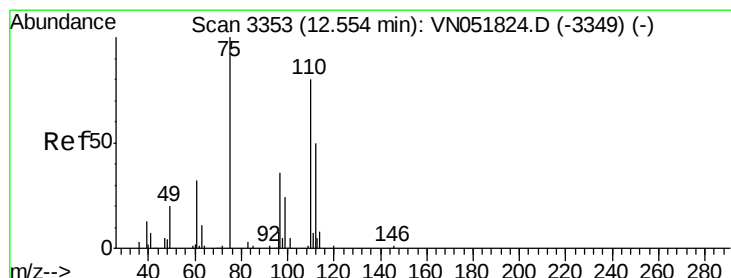
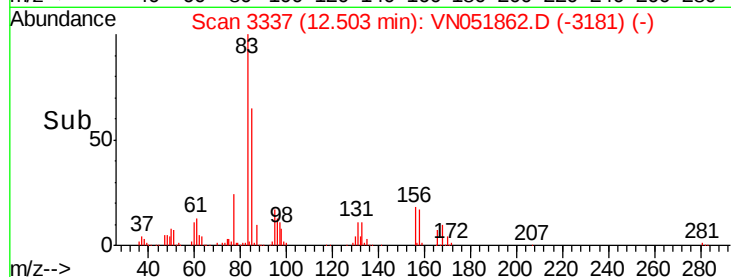
Tot Ion	83	Resp	170305
Ion Ratio	100		
Lower	5.5		
Upper	16.4		
85	64.3	30.6	91.8



Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

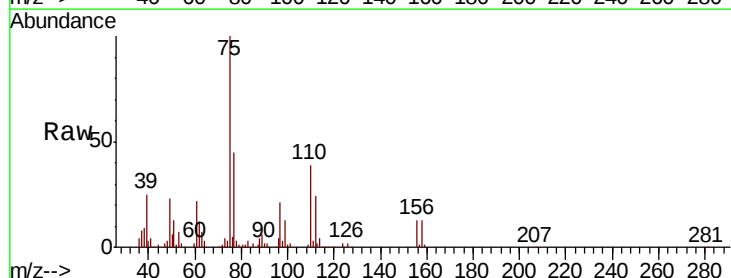


Time-->

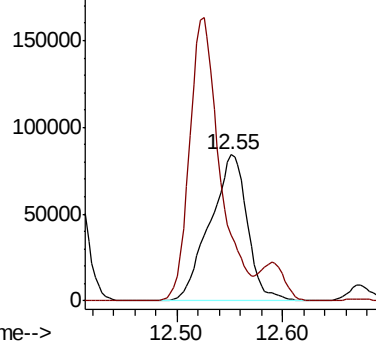


#72
 1,2,3-Trichloropropane
 Concen: 29.422 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

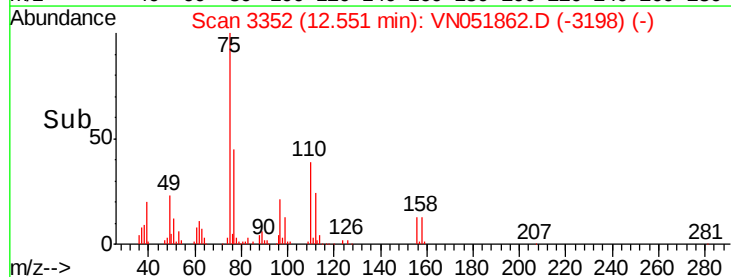
Tgt Ion	75	Resp	208093
Ion Ratio	100		
Lower	0.0		
Upper	400.0		
77	157.1		

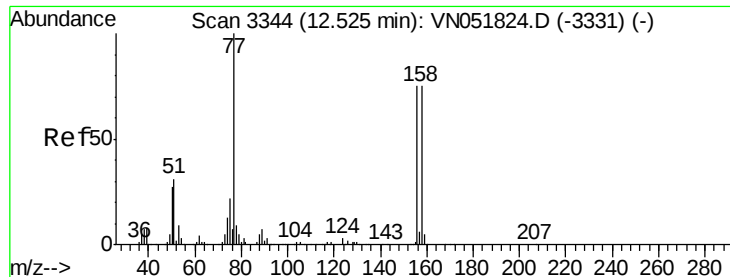


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0



Time-->





#73

Bromobenzene

Concen: 18.755 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampleId :

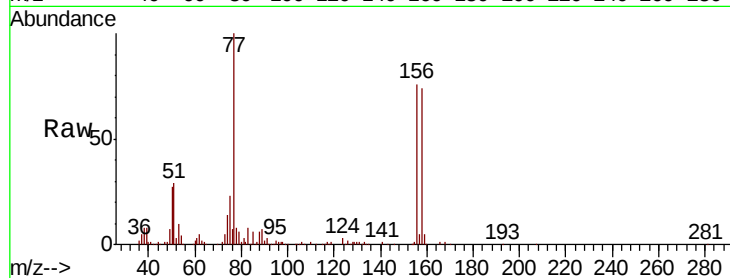
Tot Ion:156 Resp: 211485

Ion Ratio Lower Upper

156 100

77 154.5 0.0 377.4

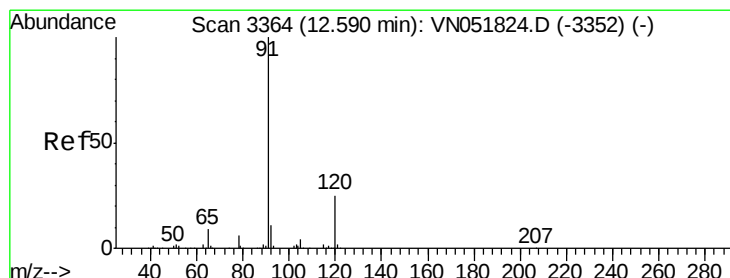
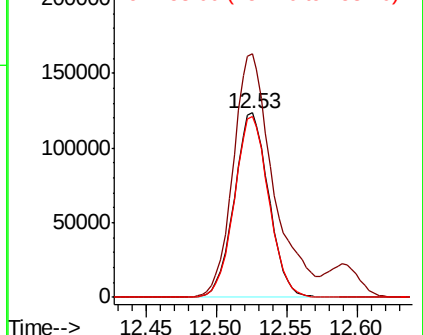
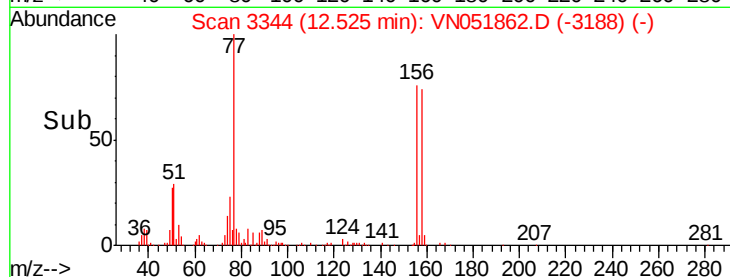
158 98.3 0.0 203.0



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: 19.152 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051862.D

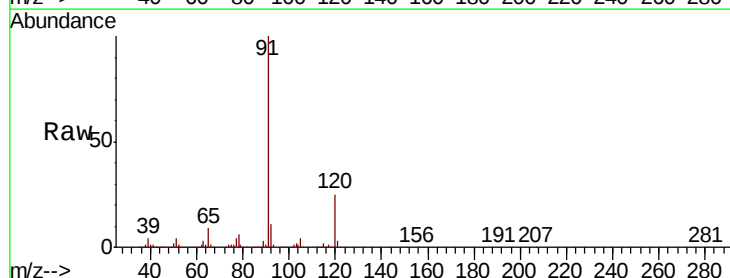
Acq: 15 Oct 2018 9:41

Tgt Ion: 91 Resp: 937884

Ion Ratio Lower Upper

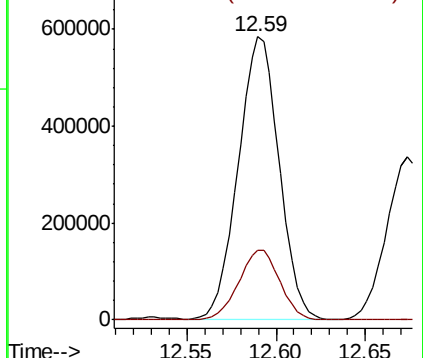
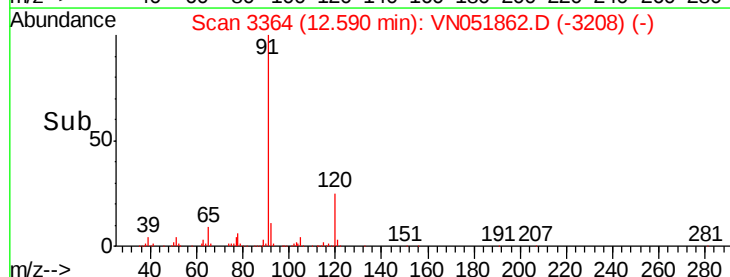
91 100

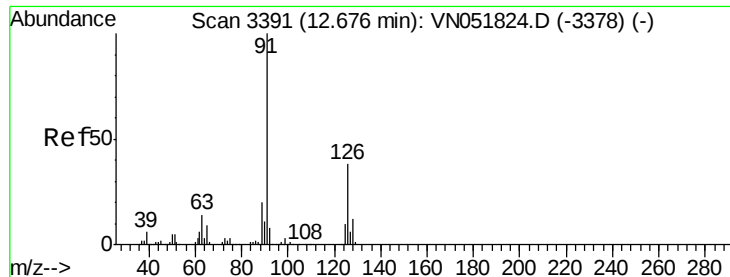
120 24.7 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.294 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

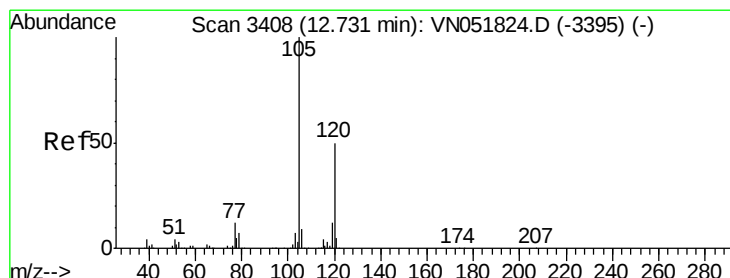
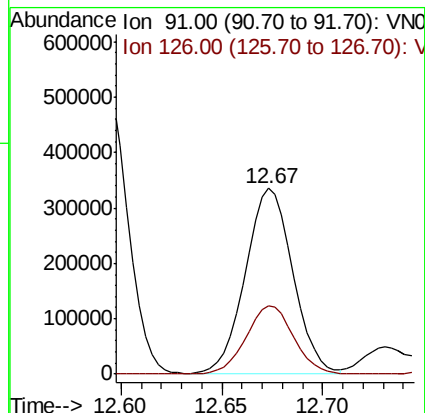
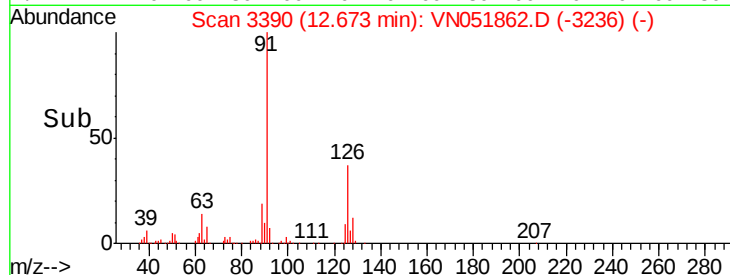
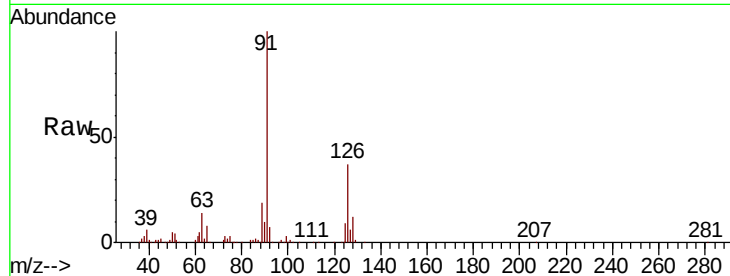
ClientSampled :

Tot Ion: 91 Resp: 553897

Ion Ratio Lower Upper

91 100

126 36.8 0.0 67.6



#76

1,3,5-Trimethylbenzene

Concen: 19.024 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051862.D

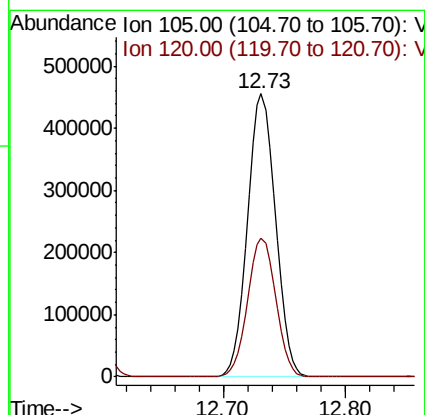
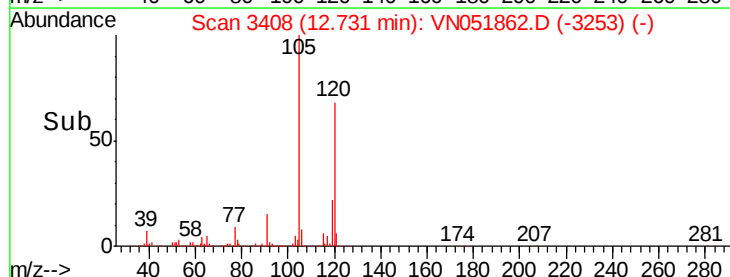
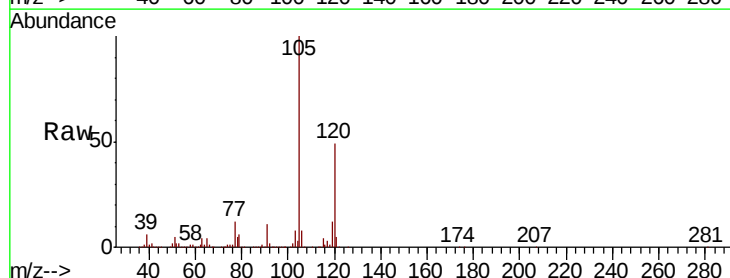
Acq: 15 Oct 2018 9:41

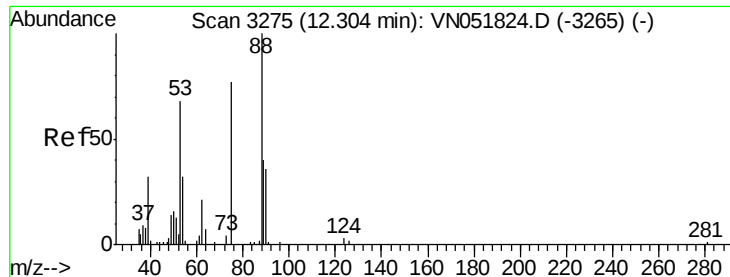
Tgt Ion: 105 Resp: 716180

Ion Ratio Lower Upper

105 100

120 49.3 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 18.808 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

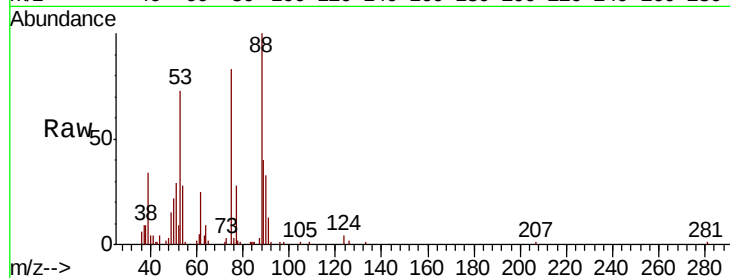
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 43996

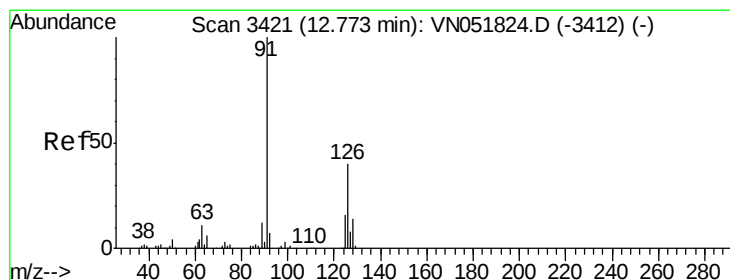
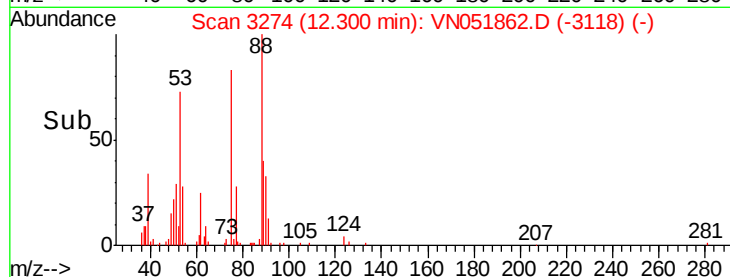
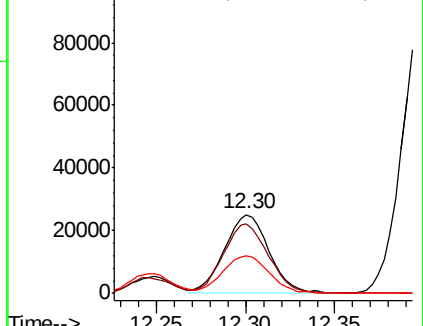
Ion	Ratio	Lower	Upper
75	100		
53	87.1	46.3	138.9
89	47.5	24.6	73.8



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: 18.751 ug/l

RT: 12.77 min Scan# 3421

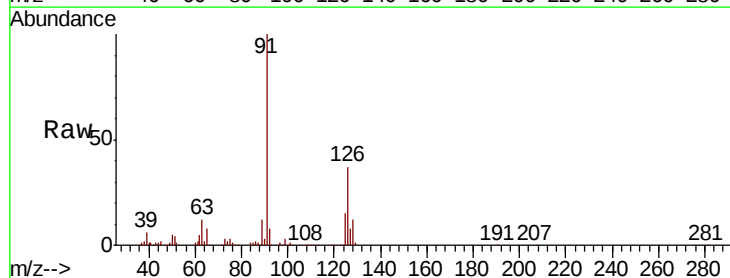
Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

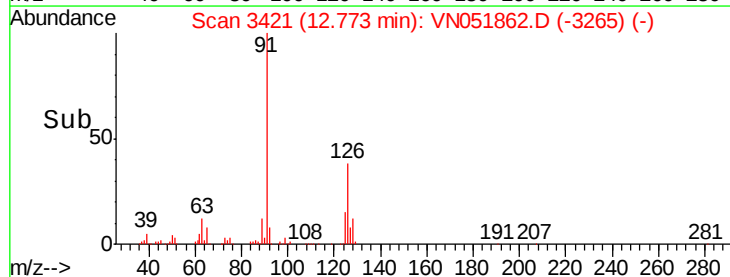
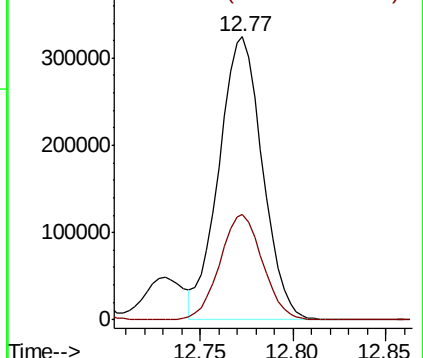
Tgt Ion: 91 Resp: 528894

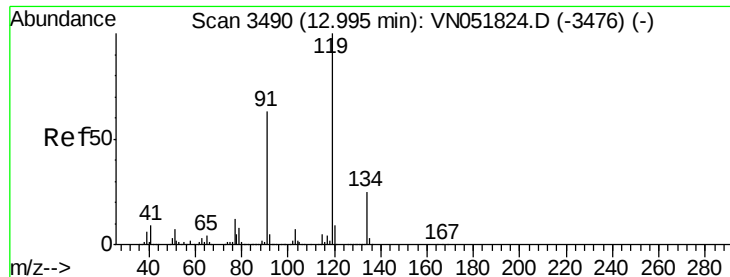
Ion	Ratio	Lower	Upper
91	100		
126	36.6	0.0	65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

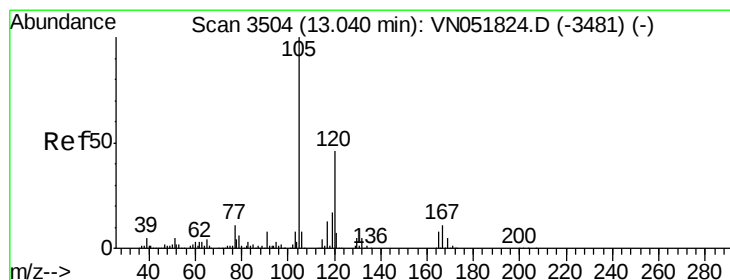
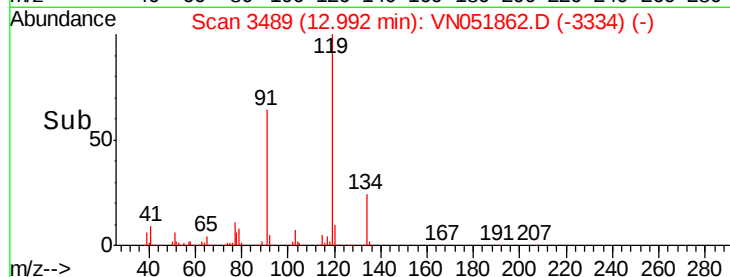
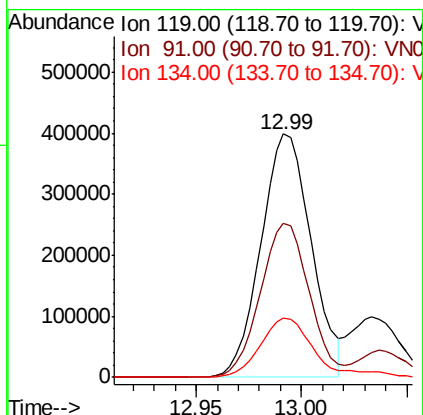
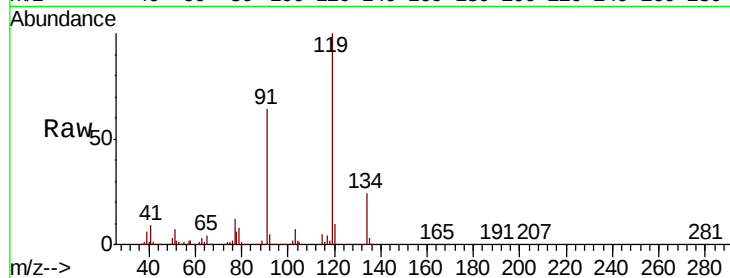




#79
tert-butylbenzene
Concen: 19.112 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

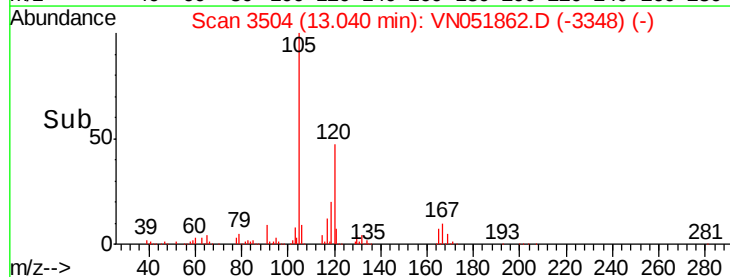
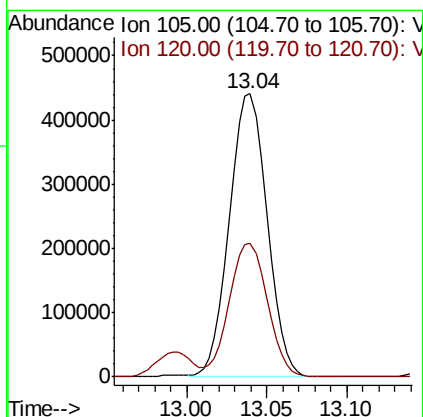
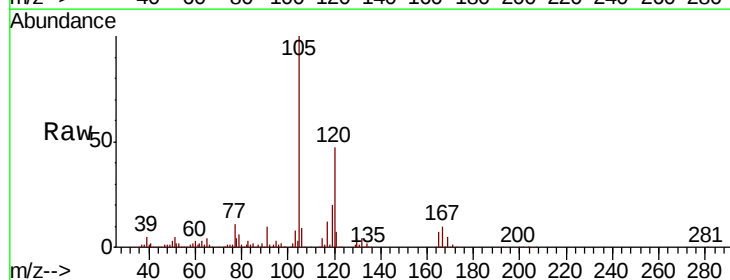
Instrument :
MSVOA_N
ClientSampleId :

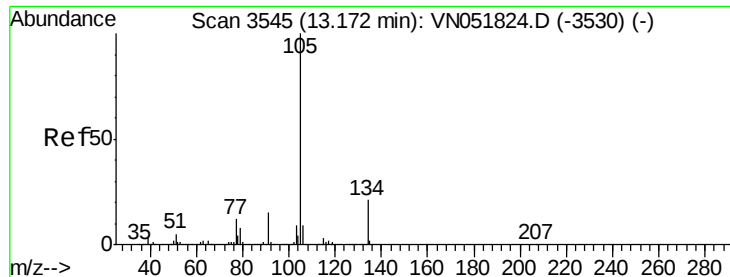
Tot Ion:119 Resp: 661678
Ion Ratio Lower Upper
119 100
91 61.8 0.0 131.6
134 26.4 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 18.851 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion:105 Resp: 709265
Ion Ratio Lower Upper
105 100
120 47.7 0.0 89.6





#81

sec-Butylbenzene

Concen: 18.926 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

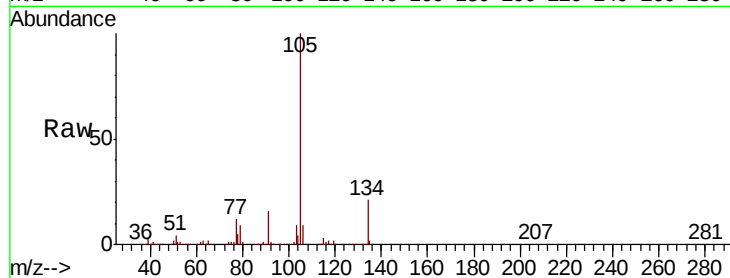
ClientSampled :

Tot Ion:105 Resp: 857153

Ion Ratio Lower Upper

105 100

134 21.3 0.0 39.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

500000

400000

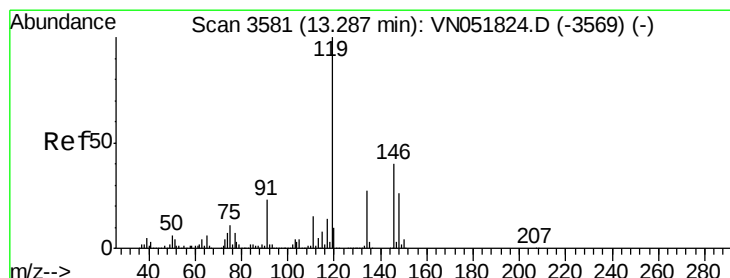
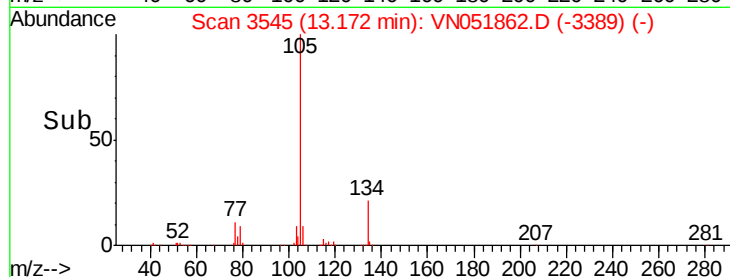
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 18.700 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

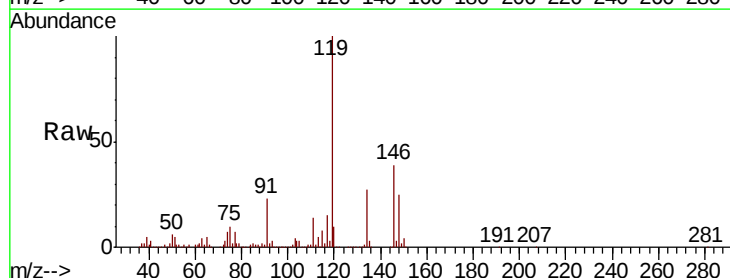
Tgt Ion:119 Resp: 757856

Ion Ratio Lower Upper

119 100

134 26.6 0.0 53.6

91 22.6 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

13.29

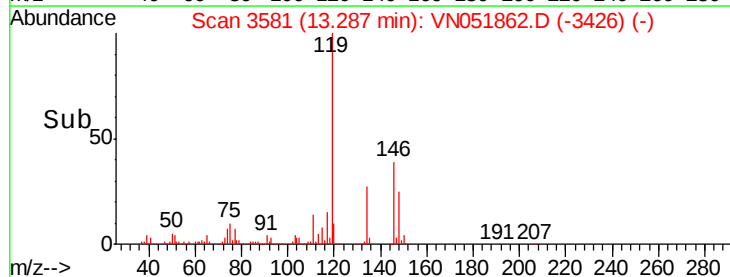
600000

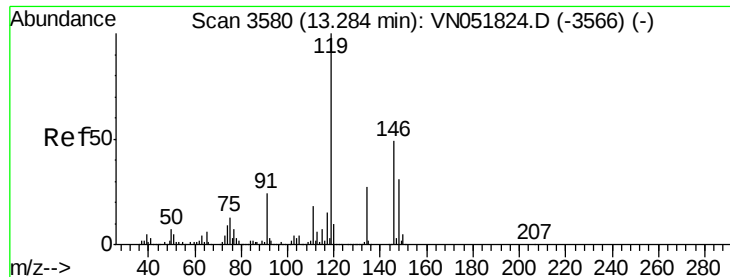
400000

200000

0

Time-->





#83

1,3-Dichlorobenzene

Concen: 17.902 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampleId :

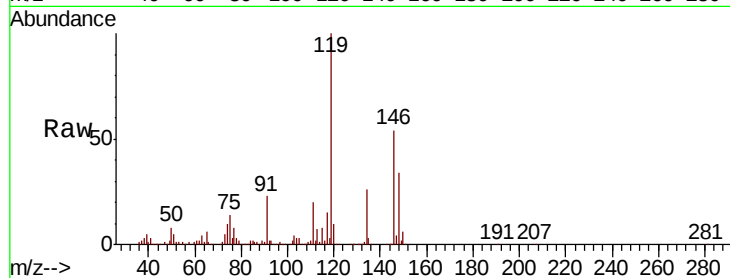
Tot Ion:146 Resp: 356209

Ion Ratio Lower Upper

146 100

111 37.4 18.1 54.3

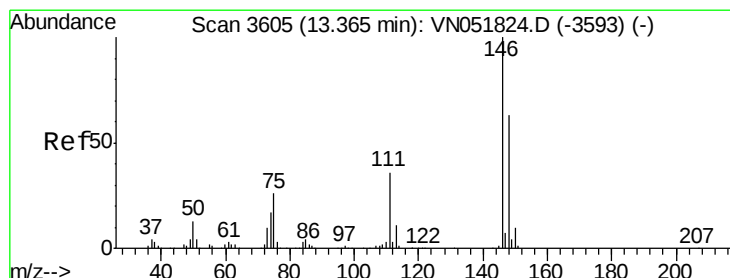
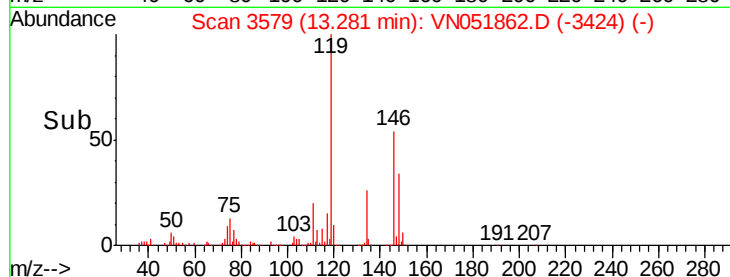
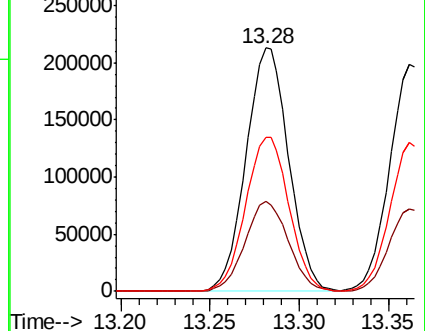
148 64.5 31.3 93.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 17.771 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

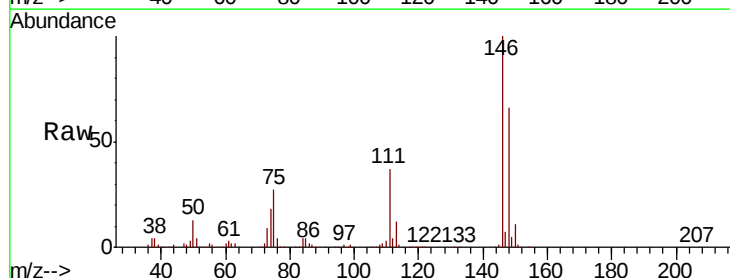
Tgt Ion:146 Resp: 332885

Ion Ratio Lower Upper

146 100

111 36.5 17.4 52.2

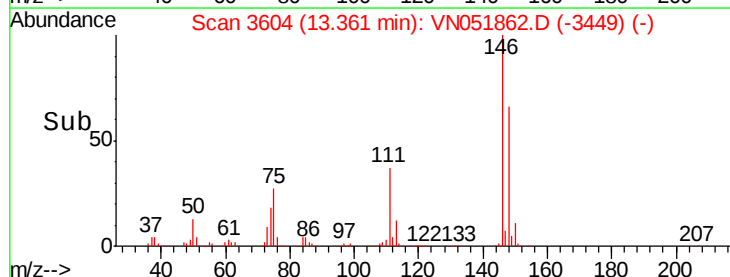
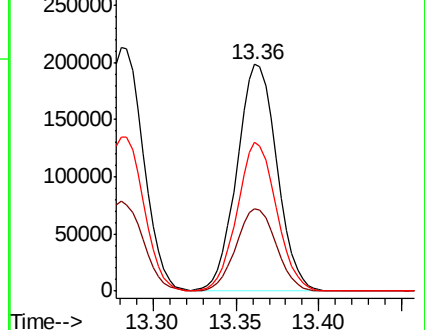
148 64.4 32.8 98.3

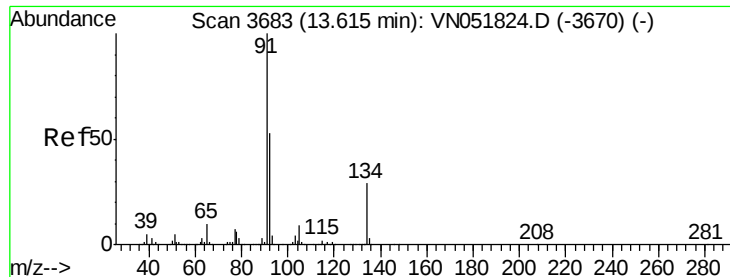


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

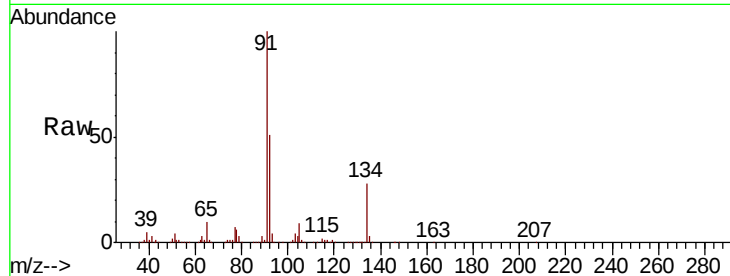




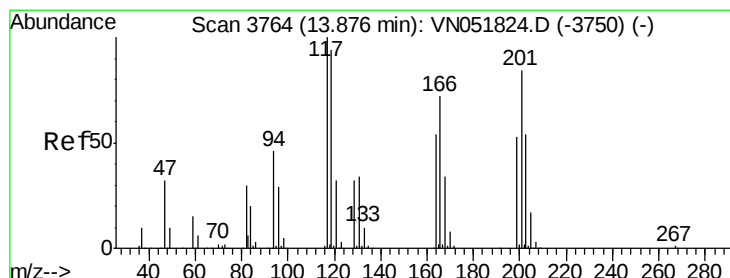
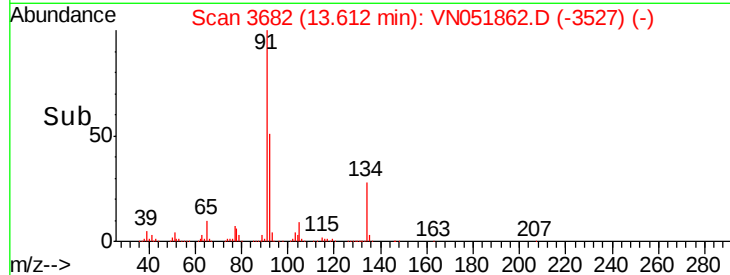
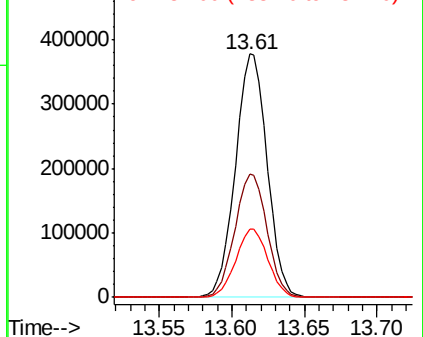
#85
n-Butylbenzene
Concen: 18.760 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 573320
Ion Ratio Lower Upper
91 100
92 51.2 0.0 97.4
134 28.5 0.0 49.6

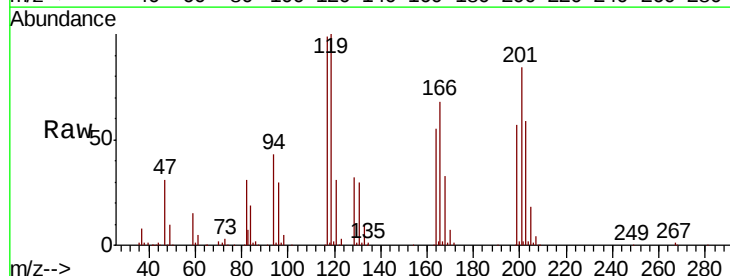


Abundance Ion 91.00 (90.70 to 91.70): VN051862.D (-3527) (-)
Ion 92.00 (91.70 to 92.70): VN051862.D (-3527) (-)
Ion 134.00 (133.70 to 134.70): VN051862.D (-3527) (-)

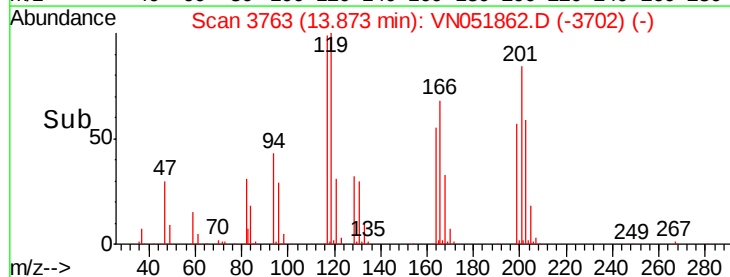
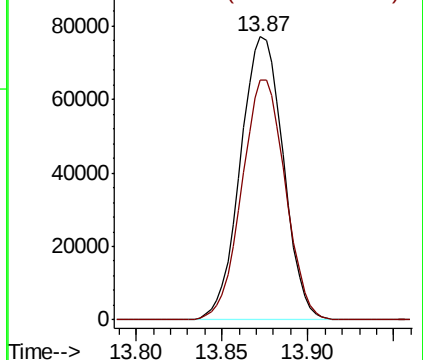


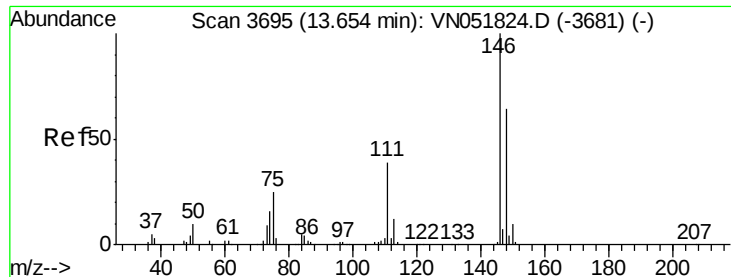
#86
Hexachloroethane
Concen: 19.139 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion: 117 Resp: 133739
Ion Ratio Lower Upper
117 100
201 85.8 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN051862.D (-3702) (-)
Ion 201.00 (200.70 to 201.70): VN051862.D (-3702) (-)

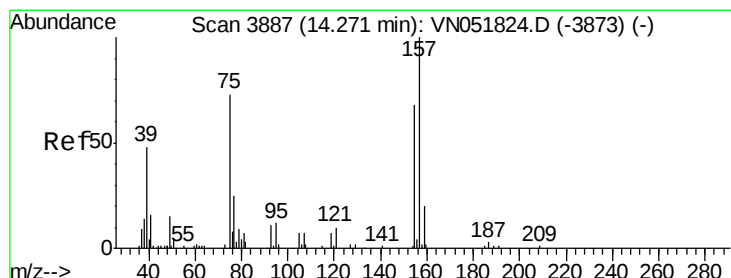
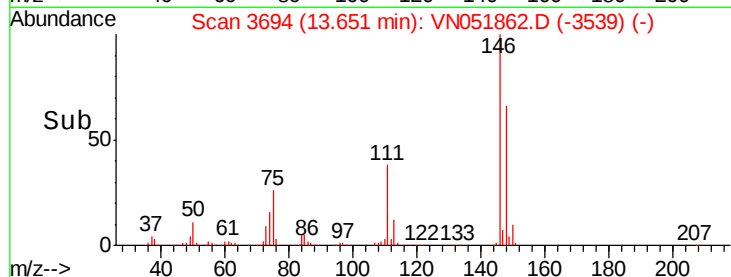
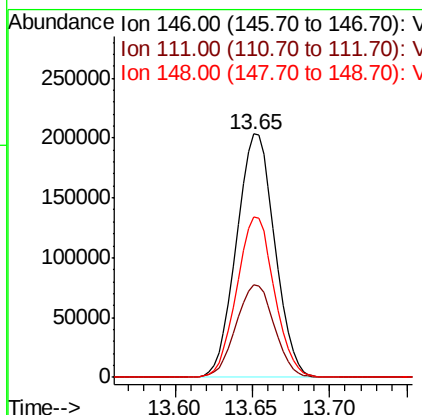
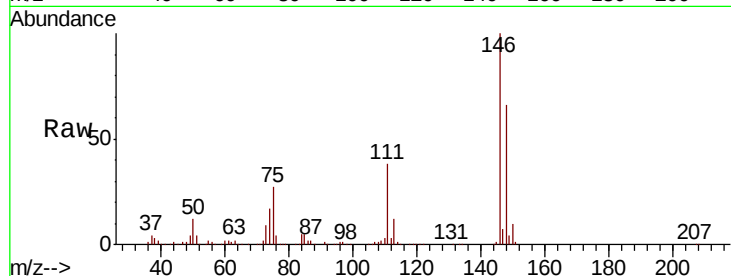




#87
 1,2-Dichlorobenzene
 Concen: 18.191 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

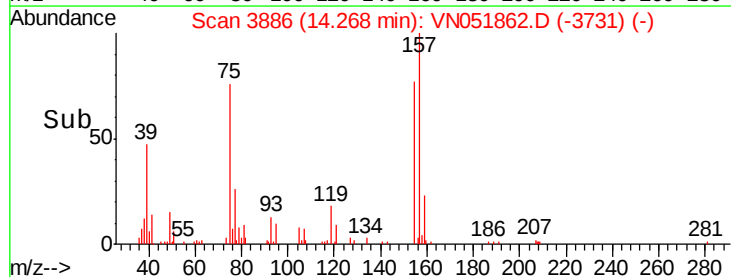
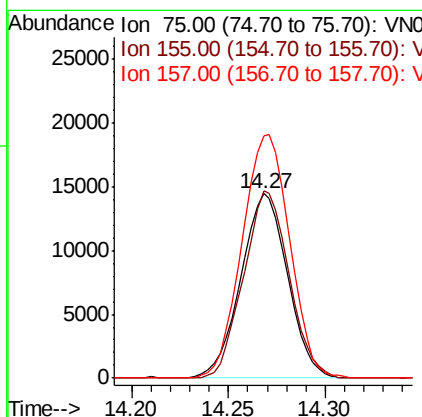
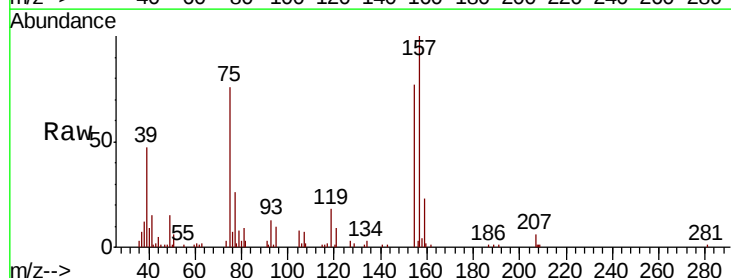
Instrument :
 MSVOA_N
 ClientSampled :

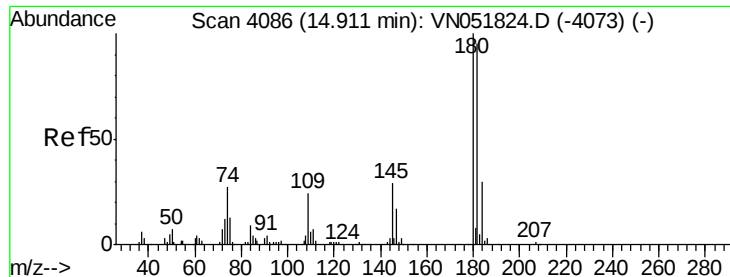
Tot Ion:146 Resp: 350412
 Ion Ratio Lower Upper
 146 100
 111 38.0 20.8 62.2
 148 64.6 33.2 99.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.109 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion: 75 Resp: 24313
 Ion Ratio Lower Upper
 75 100
 155 98.9 57.0 85.6#
 157 134.6 87.4 131.0#

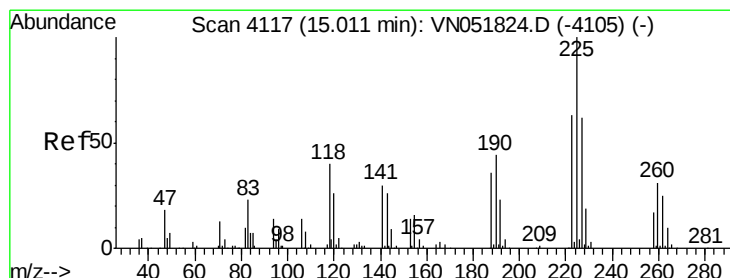
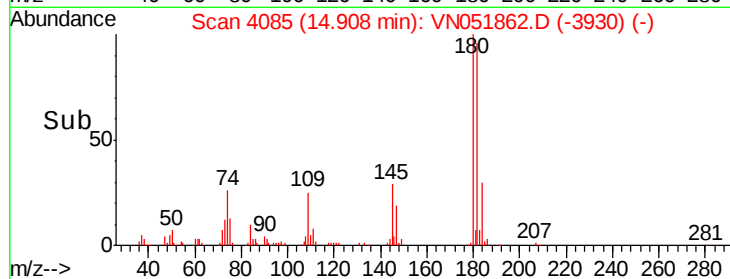
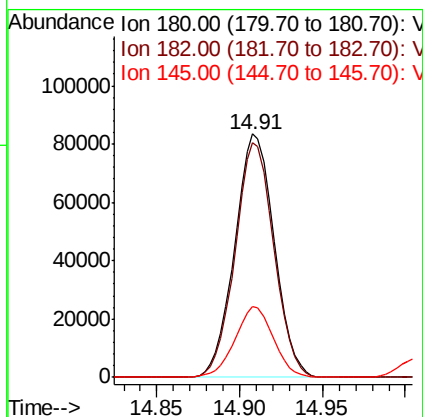
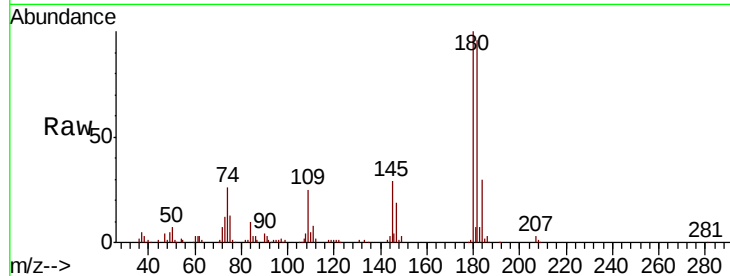




#89
 1,2,4-Trichlorobenzene
 Concen: 18.621 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

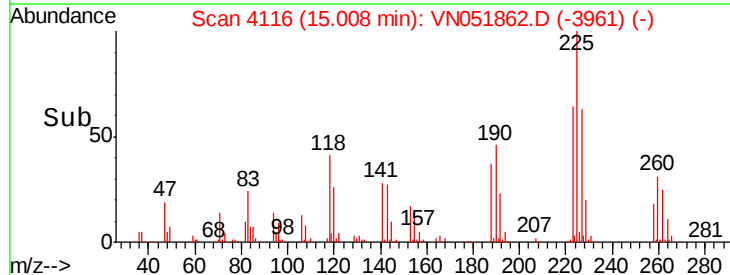
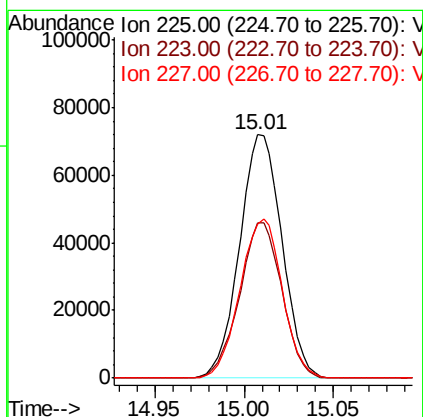
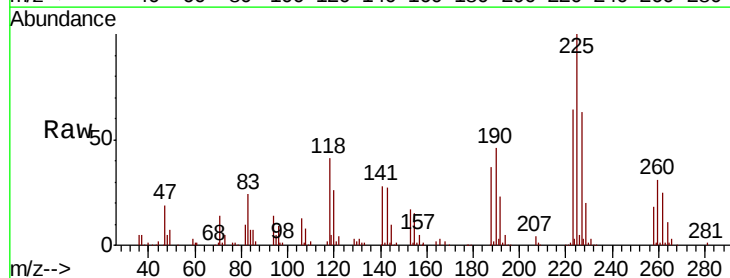
Instrument :
 MSVOA_N
 ClientSampled :

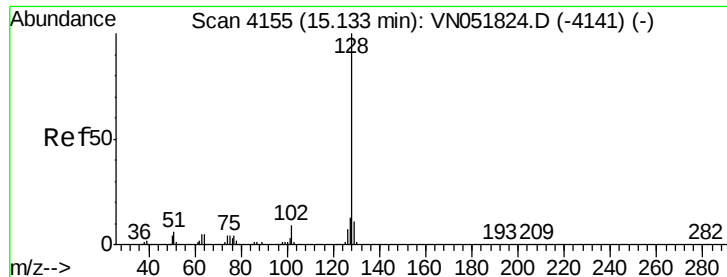
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.7	116.5
145	28.2	23.4	35.2



#90
 Hexachlorobutadiene
 Concen: 19.297 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	0.0	117.0
227	65.2	0.0	127.0





#91

Naphthalene

Concen: 18.102 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051862.D

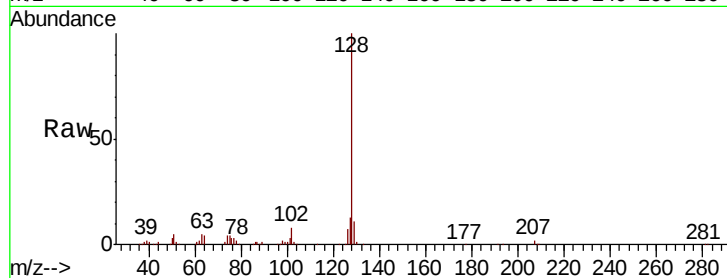
Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128	Resp:	252097
Ion	Ratio	Lower Upper
128	100	
127	12.9	10.1 15.1
129	11.0	8.4 12.6

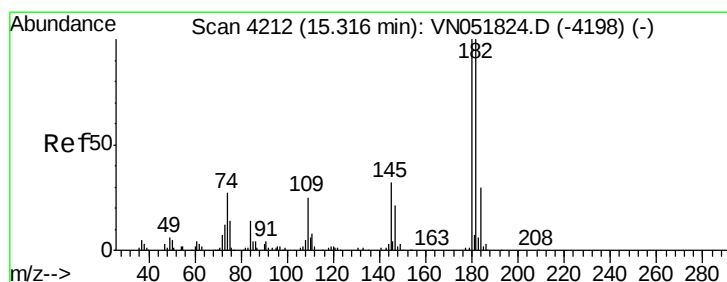
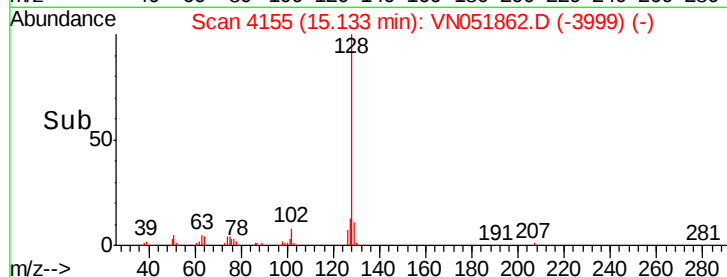
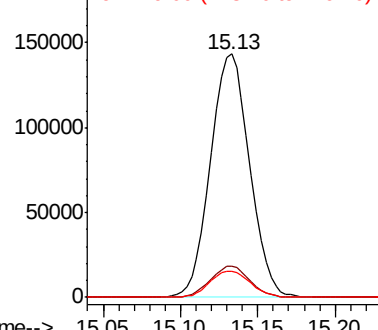


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 16.551 ug/l

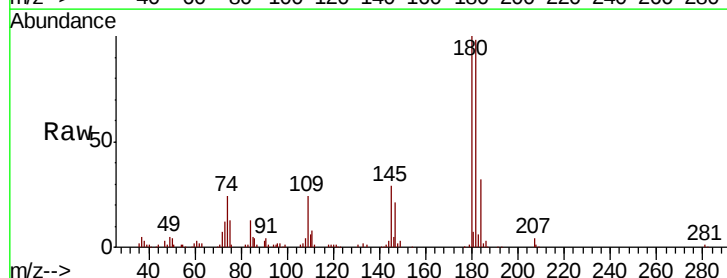
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Tgt Ion:180	Resp:	145057
Ion	Ratio	Lower Upper
180	100	
182	95.5	0.0 198.0
145	30.3	0.0 36.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

