

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101518\
 Data File : VN051864.D
 Acq On : 15 Oct 2018 10:39
 Operator : MD\SY
 Sample : VN1015WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 16 00:44:05 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	123862	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	697287	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	584867	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	221844	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	12.40	95	242058	28.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.67%
63) Toluene-d8	10.09	98	803985	31.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	95159	19.775	ug/l 100
3) Chloromethane	2.06	50	93458	18.376	ug/l 99
4) Vinyl Chloride	2.18	62	134019	17.646	ug/l 99
5) Bromomethane	2.57	94	118752	17.696	ug/l 85
6) Chloroethane	2.71	64	96845	17.694	ug/l 98
7) Trichlorofluoromethane	3.02	101	210855	19.473	ug/l 97
8) Diethyl Ether	3.41	74	58178	18.457	ug/l 76
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127222	20.631	ug/l # 40
10) 1,1-Dichloroethene	3.74	96	111051	19.473	ug/l 88
11) Methyl Iodide	3.95	142	151562	18.283	ug/l 93
12) Methyl Acetate	4.33	43	68790	19.426	ug/l 93
13) Acrolein	3.61	56	14457	61.963	ug/l 92
14) Acrylonitrile	5.00	53	132315	83.601	ug/l # 62
15) Acetone	3.82	58	36090	92.244	ug/l 99
16) Carbon Disulfide	4.05	76	271359	18.119	ug/l 97
17) Allyl chloride	4.33	41	124726	18.422	ug/l 78
18) Methylene Chloride	4.55	84	122368	19.191	ug/l 87
19) trans-1,2-Dichloroethene	5.05	96	120525	18.509	ug/l 86
20) Diisopropyl ether	5.95	45	268795	17.826	ug/l # 86
21) 1,1-Dichloroethane	5.85	63	200769	19.055	ug/l # 97
22) cis-1,2-Dichloroethene	6.83	96	142679	18.655	ug/l # 82
23) tert-Butyl Alcohol	4.79	59	32030	76.841	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	299210	18.211	ug/l # 91
25) Chloroform	7.37	83	233044	18.644	ug/l 98
26) Cyclohexane	7.65	56	161132	18.039	ug/l # 69
29) 1,1-Dichloropropene	7.79	75	167428	18.628	ug/l 94
30) 2-Butanone	6.84	43	150806	80.275	ug/l # 91
31) 2,2-Dichloropropane	6.82	77	199454	18.864	ug/l # 79
32) 1,1,1-Trichloroethane	7.57	97	219691	18.436	ug/l 94
33) Carbon Tetrachloride	7.77	117	198252	18.389	ug/l 90
34) Benzene	8.04	78	492961	18.542	ug/l # 67
35) Methacrylonitrile	7.18	41	31588	12.798	ug/l 78
36) 1,2-Dichloroethane	8.13	62	153971	18.074	ug/l 98
37) Trichloroethene	8.84	130	149871	18.159	ug/l 97
38) Methylcyclohexane	9.08	83	211342	18.333	ug/l 79
39) 1,2-Dichloropropane	9.12	63	116002	18.527	ug/l 99
40) Dibromomethane	9.21	93	81024	17.436	ug/l 95

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 Data File : VN051864.D
 Acq On : 15 Oct 2018 10:39
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 Sample : VN1015WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 16 00:44:05 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	173210	18.046	ug/l	95
42) Vinyl Acetate	5.90	43	900104	85.113	ug/l #	89
43) Ethyl Acetate	6.93	43	67728	16.603	ug/l	97
44) Isopropyl Acetate	8.17	43	138858	17.043	ug/l	95
45) 1,4-Dioxane	9.20	88	21950	335.513	ug/l #	72
46) Methyl methacrylate	9.20	41	62757	16.699	ug/l	87
48) t-1,3-Dichloropropene	10.38	75	152798	16.324	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	182079	17.646	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	111510	17.368	ug/l	95
51) Ethyl methacrylate	10.43	69	119018	16.191	ug/l	85
52) 1,3-Dichloropropane	10.71	76	175656	17.726	ug/l	96
53) Dibromochloromethane	10.90	129	127460	16.047	ug/l	98
54) 1,2-Dibromoethane	11.01	107	112357	16.672	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	238703	75.963	ug/l #	93
56) Bromoform	12.13	173	77406	14.777	ug/l #	92
58) 4-Methyl-2-Pentanone	9.99	43	349953	89.413	ug/l #	88
59) 2-Hexanone	10.75	43	218803	82.865	ug/l #	90
61) Tetrachloroethene	10.63	164	158349	21.171	ug/l	98
62) Toluene	10.16	91	562404	19.356	ug/l	99
64) Chlorobenzene	11.43	112	351917	18.494	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	140583	19.248	ug/l	98
66) Ethyl Benzene	11.51	91	599138	18.658	ug/l	100
67) m/p-Xylenes	11.62	106	472867	36.322	ug/l	97
68) o-Xylene	11.95	106	234674	18.285	ug/l	89
69) Styrene	11.96	104	337739	17.151	ug/l	96
70) Isopropylbenzene	12.25	105	621537	18.160	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	115976	17.159	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	137671	25.892	ug/l	76
73) Bromobenzene	12.53	156	148027	17.461	ug/l	83
74) n-propylbenzene	12.59	91	655250	17.799	ug/l	95
75) 2-Chlorotoluene	12.67	91	390792	18.107	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	503155	17.778	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	25406	14.447	ug/l	95
78) 4-Chlorotoluene	12.77	91	360105	16.982	ug/l	91
79) tert-butylbenzene	12.99	119	469344	18.033	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	499033	17.643	ug/l	99
81) sec-Butylbenzene	13.17	105	599500	17.607	ug/l	98
82) p-Isopropyltoluene	13.29	119	515800	16.929	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	242269	16.196	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	222726	15.816	ug/l	98
85) n-Butylbenzene	13.62	91	368548	16.041	ug/l	94
86) Hexachloroethane	13.87	117	89186	16.977	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	244018	16.850	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15406	15.263	ug/l #	81
89) 1,2,4-Trichlorobenzene	14.91	180	78919	15.984	ug/l	99
90) Hexachlorobutadiene	15.01	225	83649	17.924	ug/l	94
91) Naphthalene	15.13	128	146325	15.921	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	88661	13.456	ug/l	92

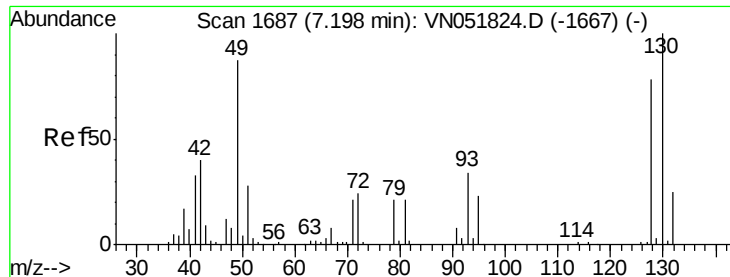
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101518\
Data File : VN051864.D
Acq On : 15 Oct 2018 10:39
Operator : MD\SY
Sample : VN1015WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

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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)

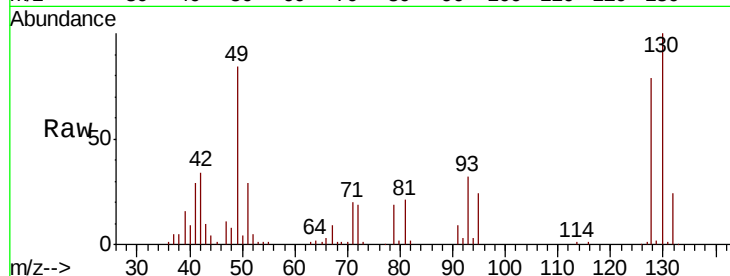
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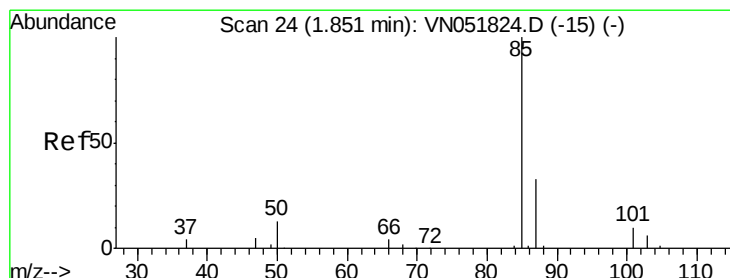
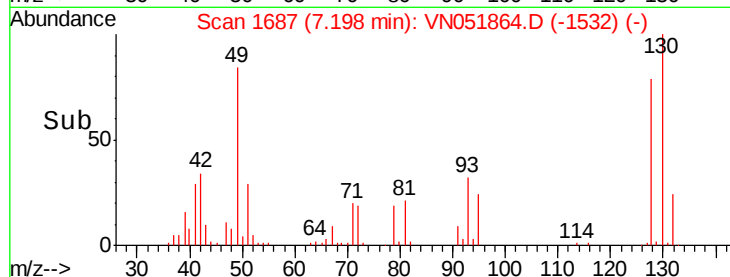
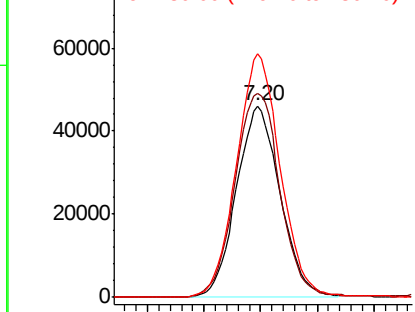
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 123862
Ion Ratio Lower Upper
128 100
49 109.5 0.0 403.3
130 127.2 0.0 326.0

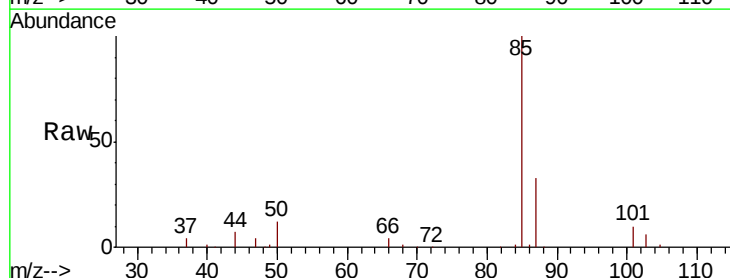


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V

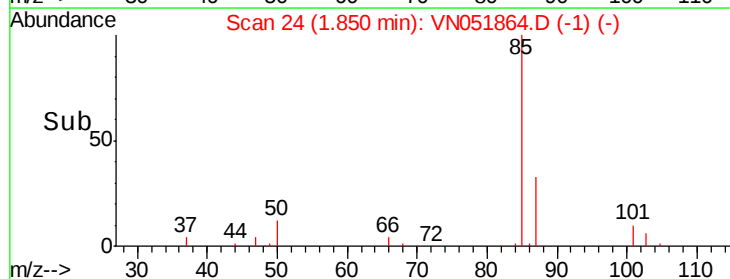
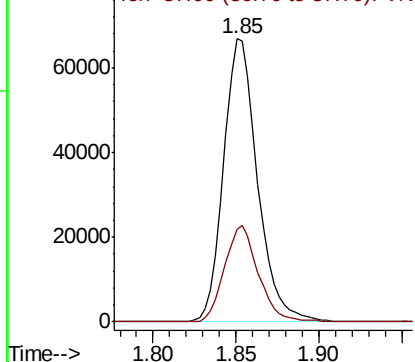


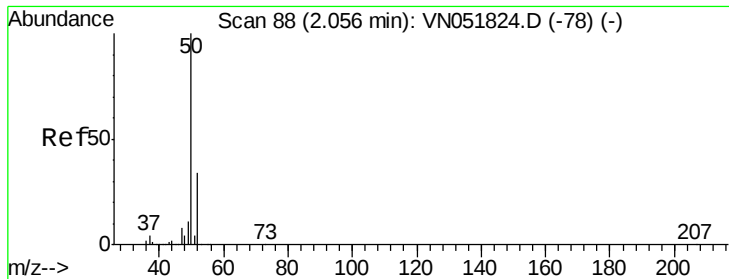
#2
Dichlorodifluoromethane
Concen: 19.775 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion: 85 Resp: 95159
Ion Ratio Lower Upper
85 100
87 32.7 16.3 48.8



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





#3

Chloromethane

Concen: 18.376 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

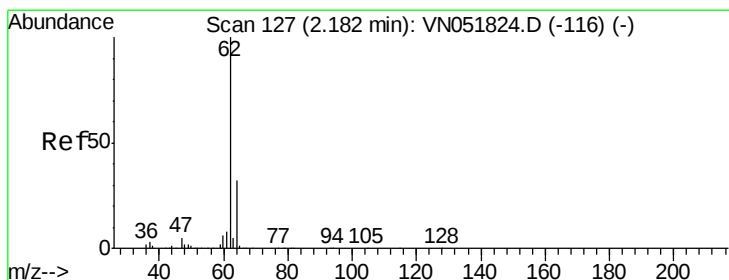
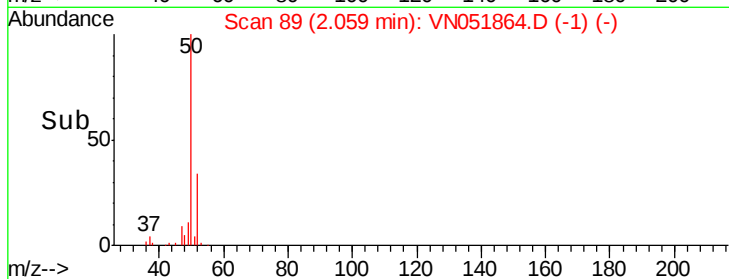
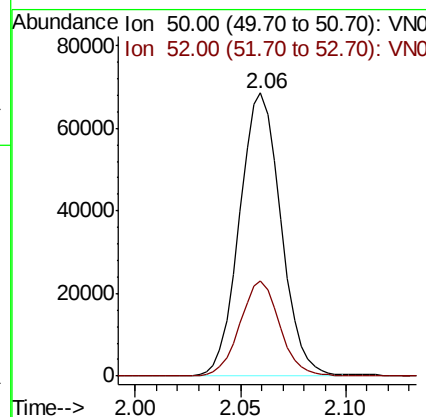
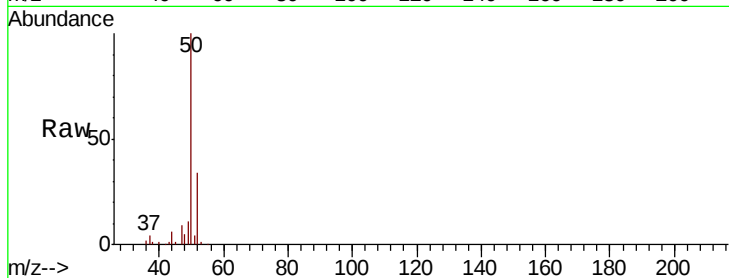
ClientSampleId :

Tot Ion: 50 Resp: 93458

Ion Ratio Lower Upper

50 100

52 33.6 27.2 40.8



#4

Vinyl Chloride

Concen: 17.646 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051864.D

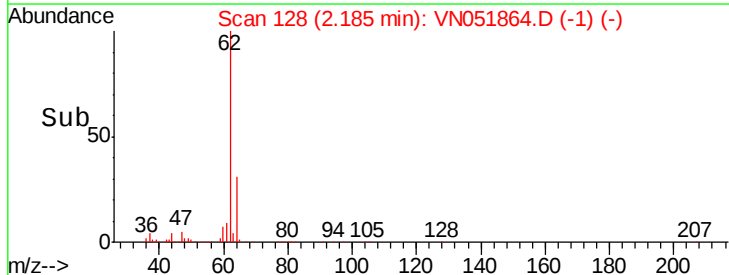
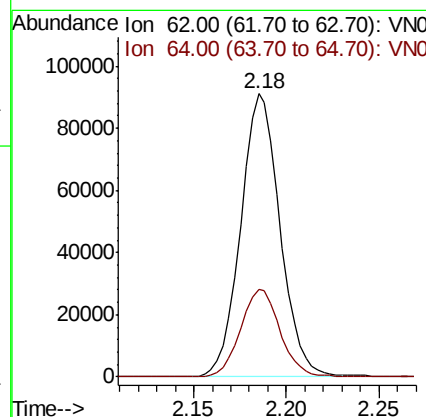
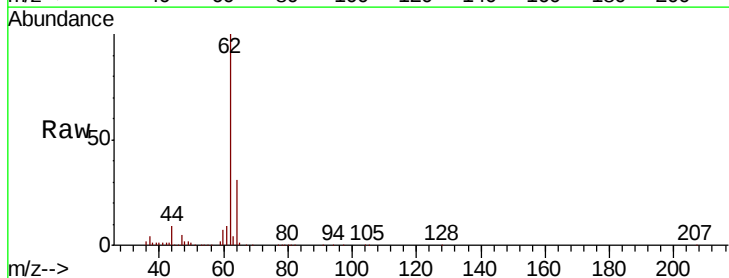
Acq: 15 Oct 2018 10:39

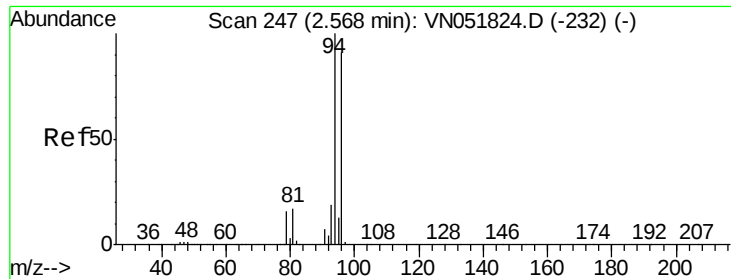
Tgt Ion: 62 Resp: 134019

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 17.696 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

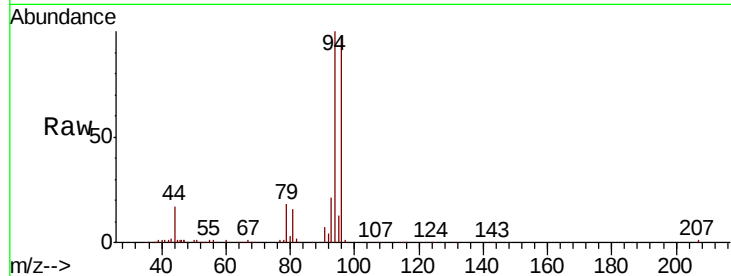
ClientSampleId :

Tot Ion: 94 Resp: 118752

Ion Ratio Lower Upper

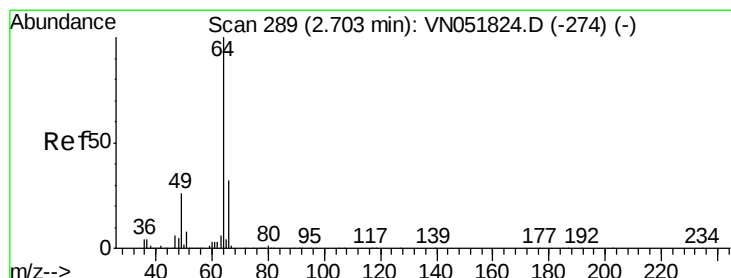
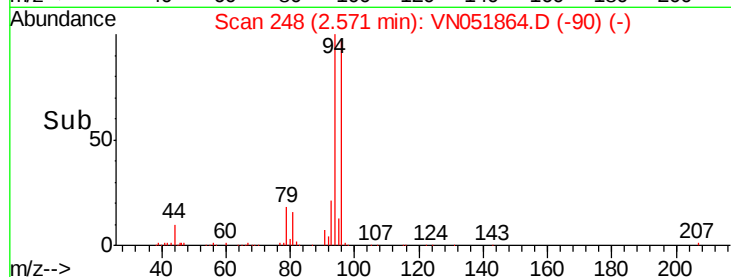
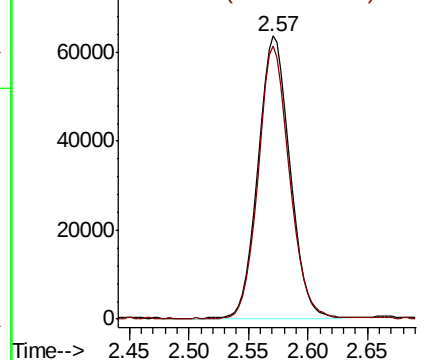
94 100

96 96.3 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.694 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051864.D

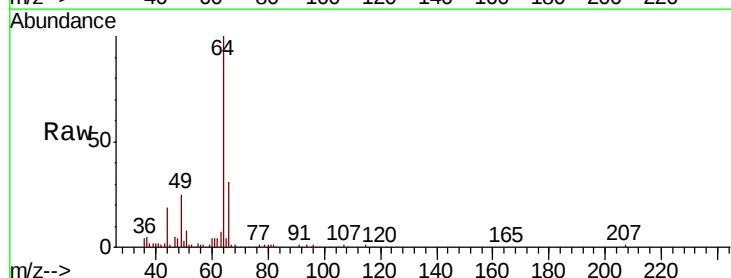
Acq: 15 Oct 2018 10:39

Tgt Ion: 64 Resp: 96845

Ion Ratio Lower Upper

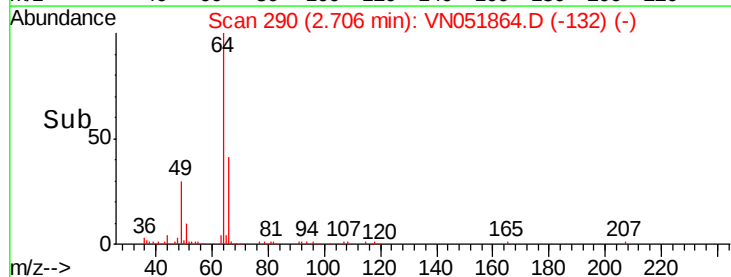
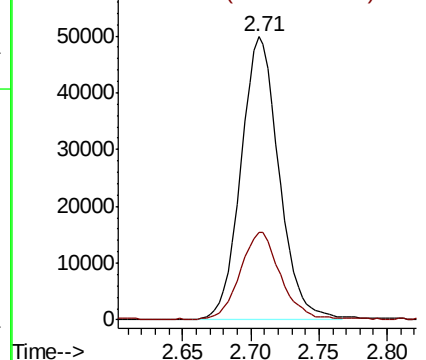
64 100

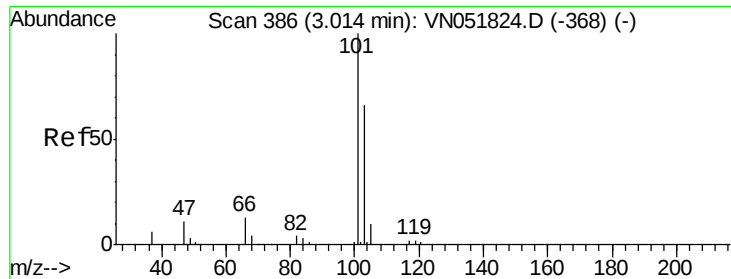
66 31.0 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



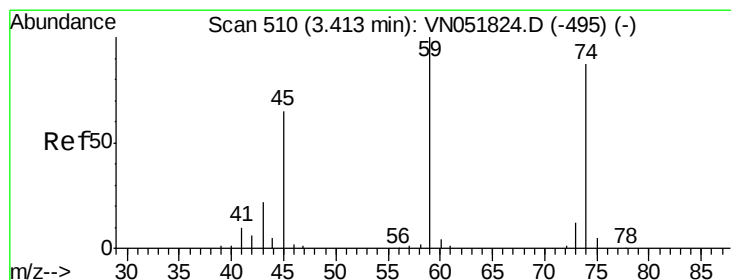
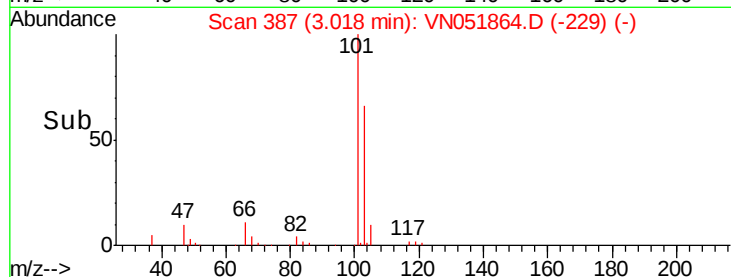
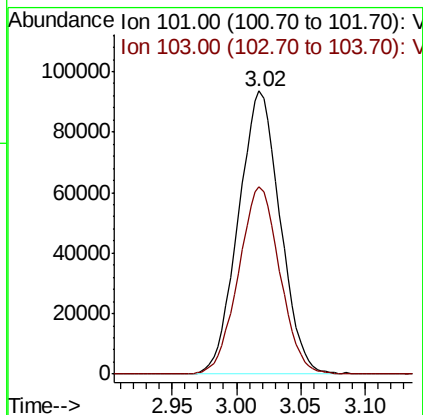
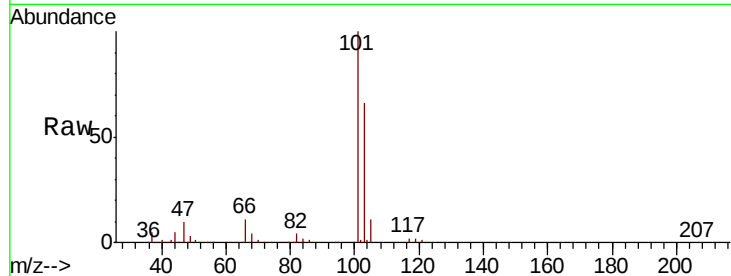


#7

Trichlorofluoromethane
 Concen: 19.473 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampled :

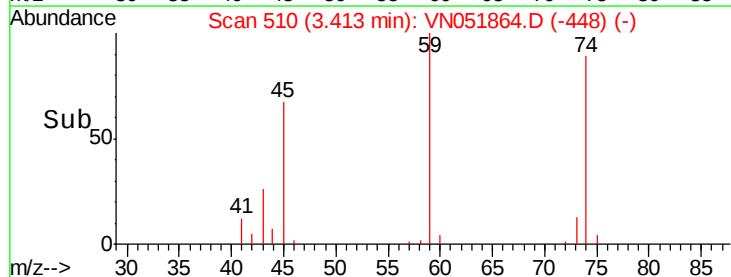
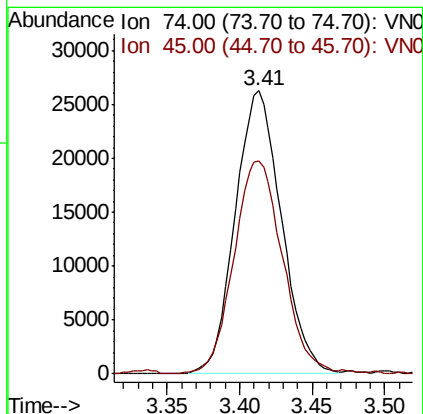
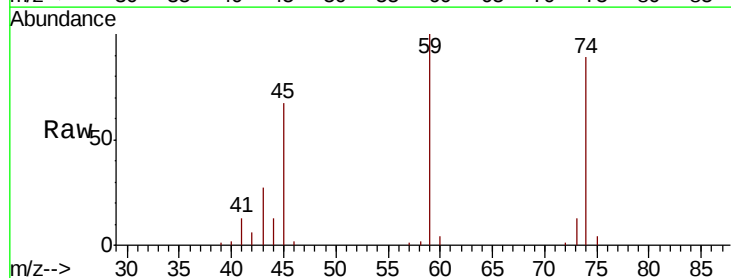
Tot Ion:101 Resp: 210855
 Ion Ratio Lower Upper
 101 100
 103 66.1 54.8 82.2

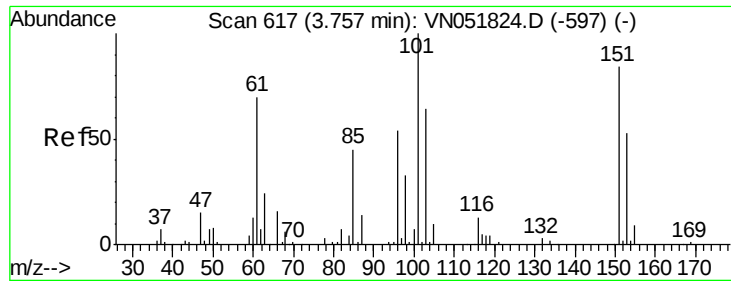


#8

Diethyl Ether
 Concen: 18.457 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion: 74 Resp: 58178
 Ion Ratio Lower Upper
 74 100
 45 79.2 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.631 ug/l

RT: 3.76 min Scan# 619

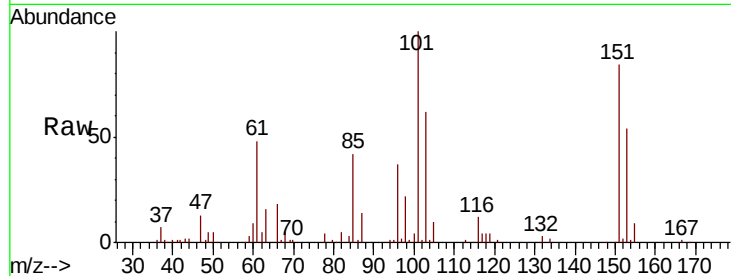
Delta R.T. 0.01 min

Lab File: VN051864.D

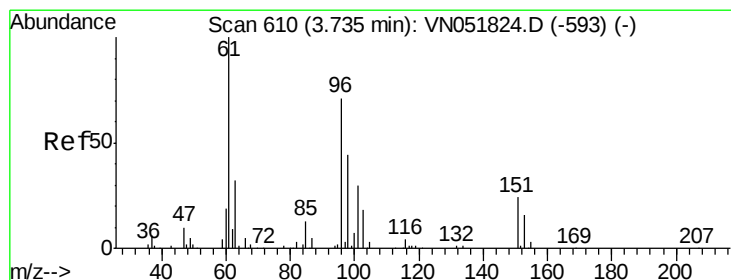
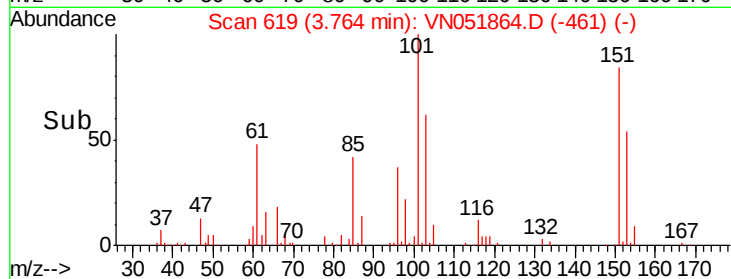
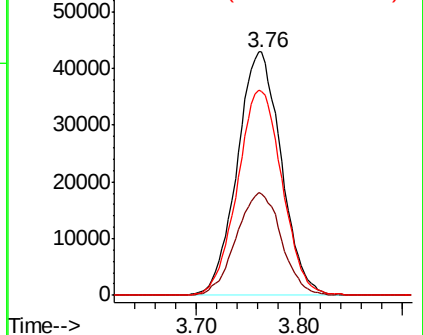
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	101	Resp:	127222
Ion	Ratio	Lower	Upper
101	100		
85	43.1	0.0	46.0
151	85.5	0.0	82.2#



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.473 ug/l

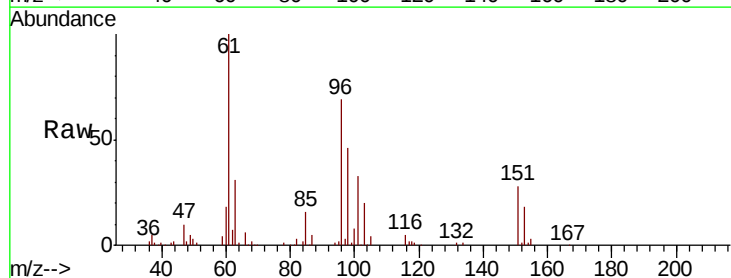
RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

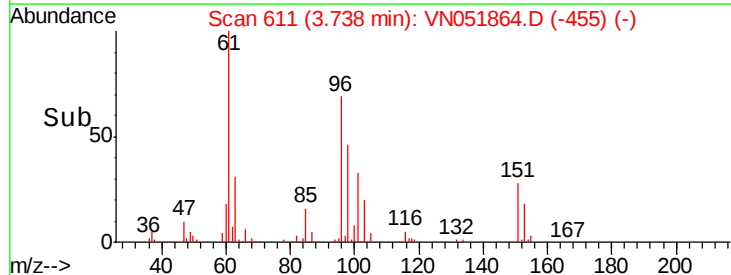
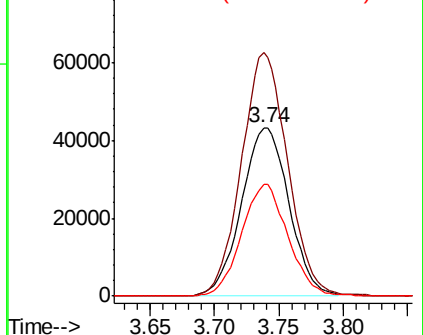
Lab File: VN051864.D

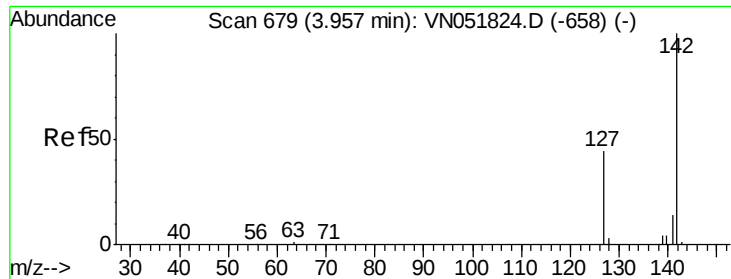
Acq: 15 Oct 2018 10:39

Tgt Ion:	96	Resp:	111051
Ion	Ratio	Lower	Upper
96	100		
61	144.4	133.0	199.6
98	66.2	52.6	78.8



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

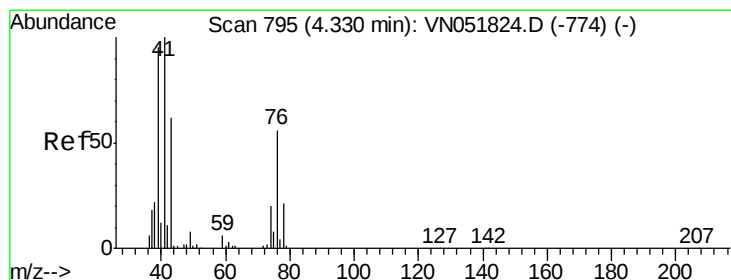
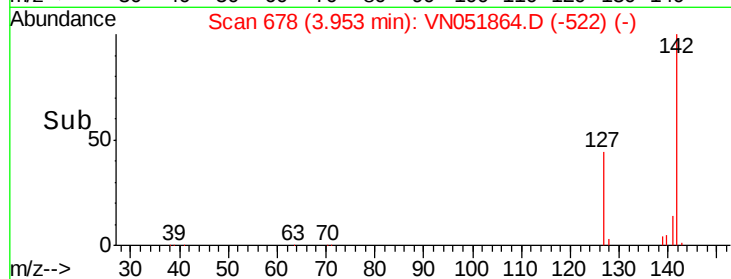
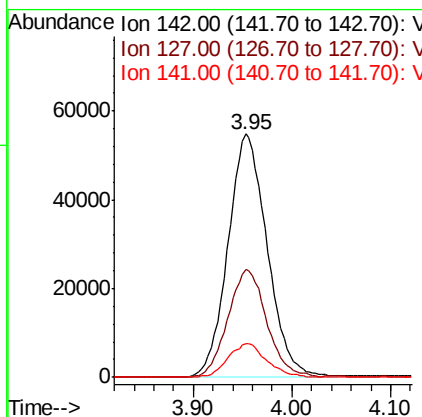
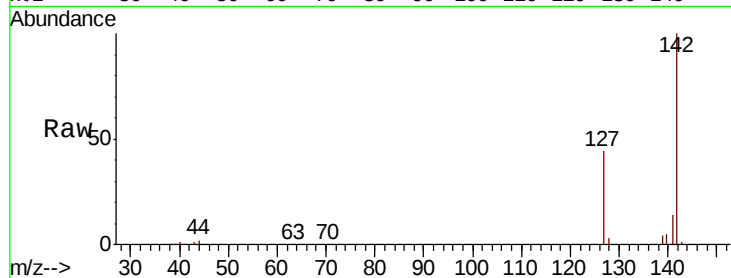




#11
Methvl Iodide
Concen: 18.283 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

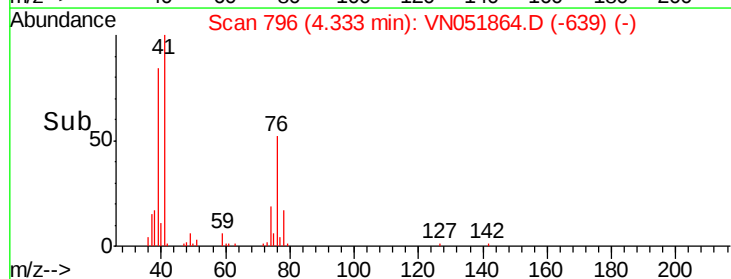
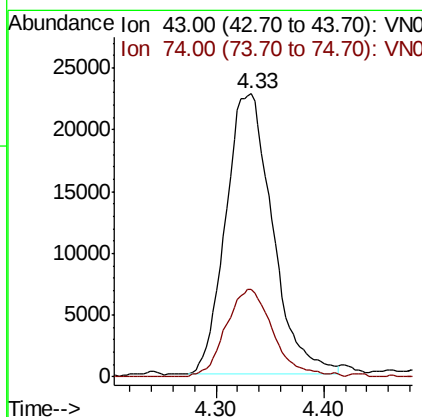
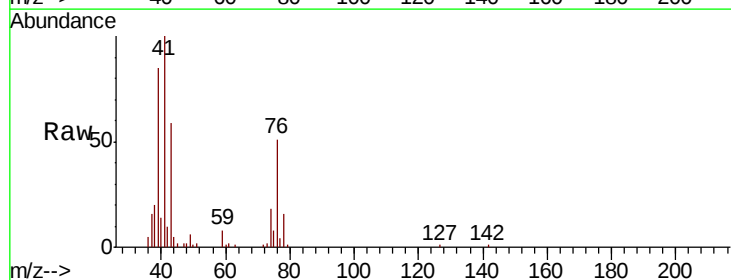
Instrument :
MSVOA_N
ClientSampleId :

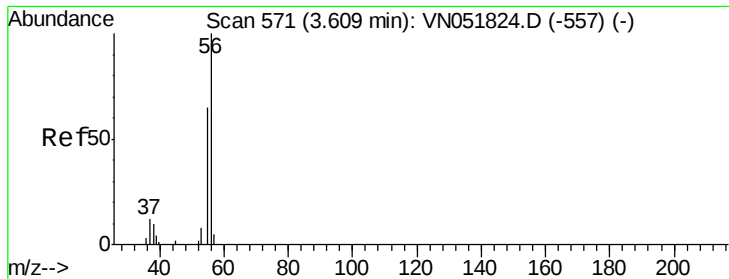
Tot Ion:142 Resp: 151562
Ion Ratio Lower Upper
142 100
127 44.1 19.7 59.0
141 14.0 6.3 18.9



#12
Methyl Acetate
Concen: 19.426 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion: 43 Resp: 68790
Ion Ratio Lower Upper
43 100
74 30.9 21.8 32.6





#13

Acrolein

Concen: 61.963 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

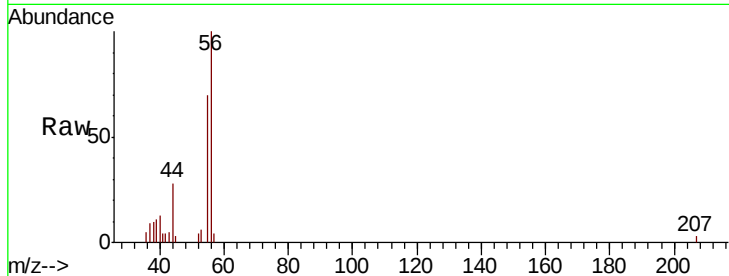
ClientSampleId :

Tot Ion: 56 Resp: 14457

Ion Ratio Lower Upper

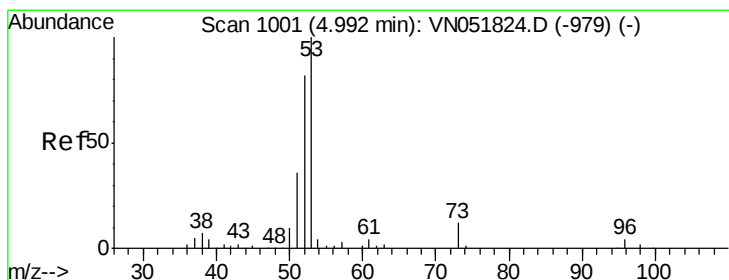
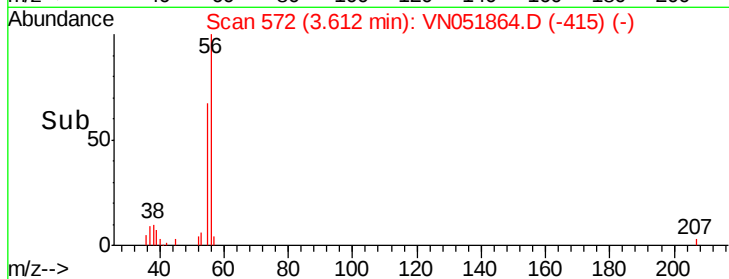
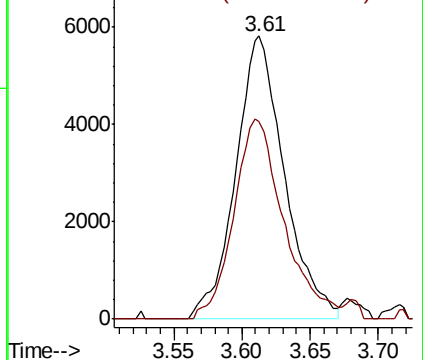
56 100

55 72.6 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: 83.601 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

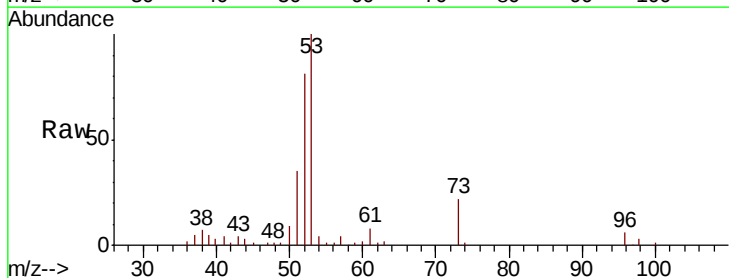
Tgt Ion: 53 Resp: 132315

Ion Ratio Lower Upper

53 100

52 81.0 18.3 54.8#

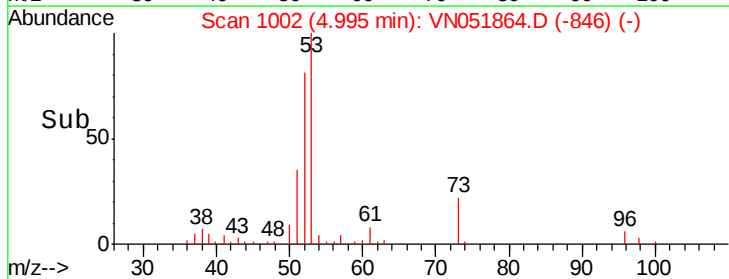
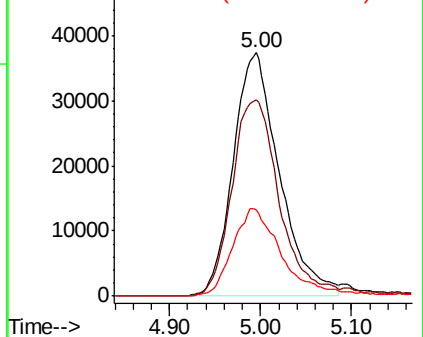
51 37.5 19.7 59.1

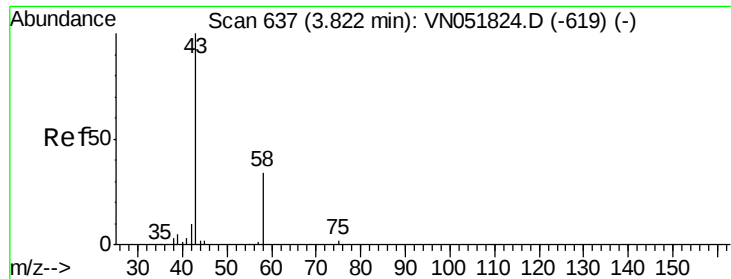


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 92.244 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

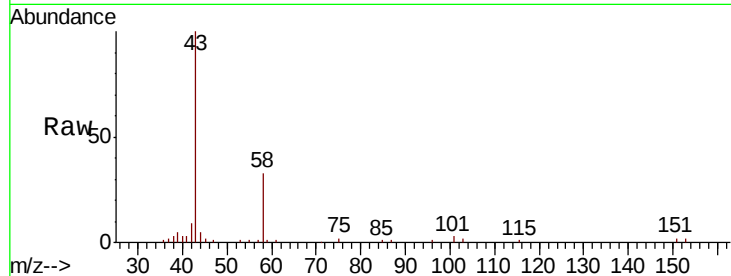
ClientSampleId :

Tot Ion: 58 Resp: 36090

Ion Ratio Lower Upper

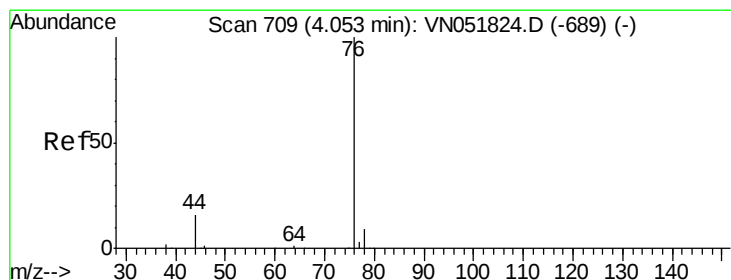
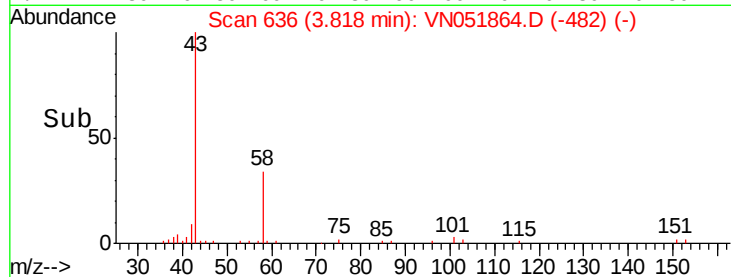
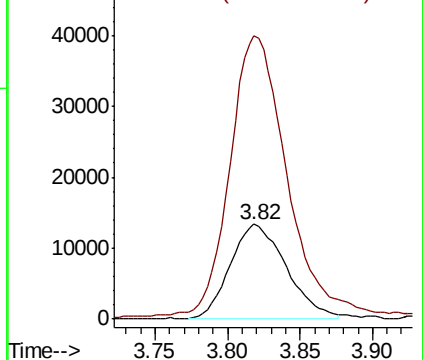
58 100

43 291.3 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.119 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051864.D

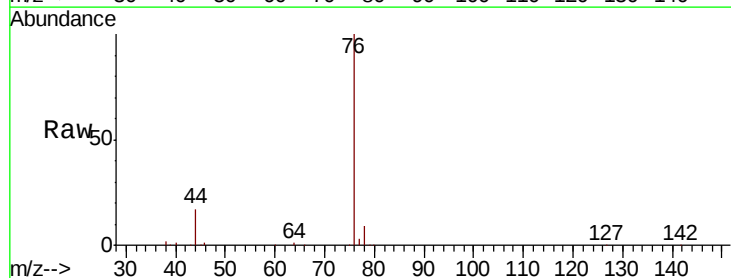
Acq: 15 Oct 2018 10:39

Tgt Ion: 76 Resp: 271359

Ion Ratio Lower Upper

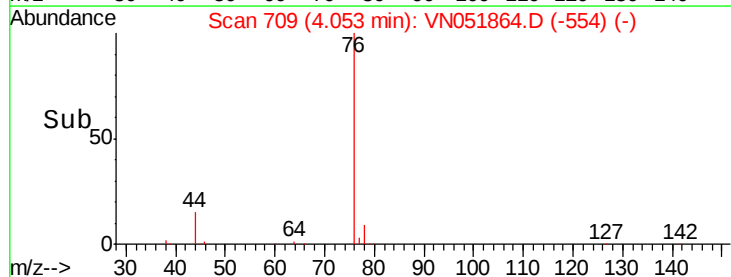
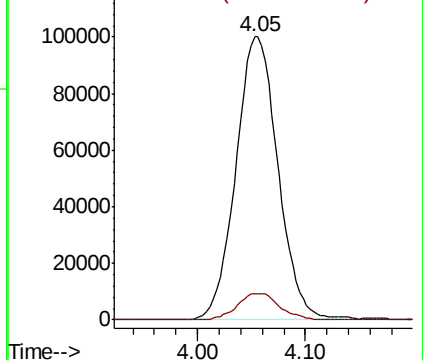
76 100

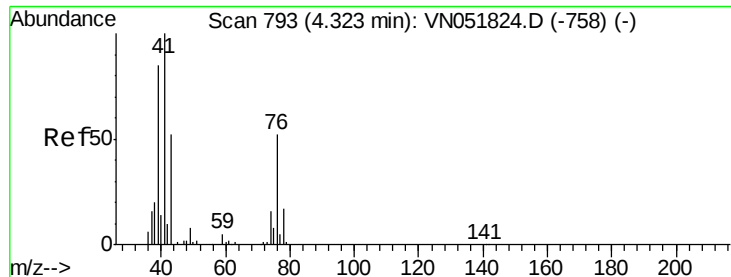
78 9.3 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

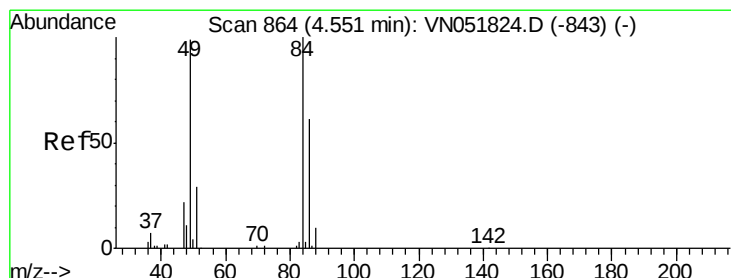
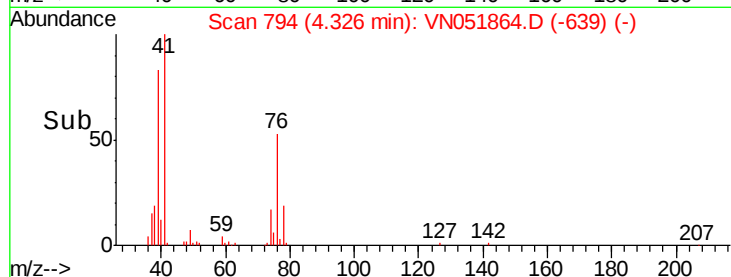
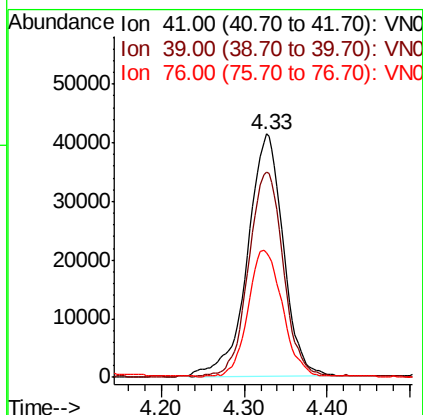
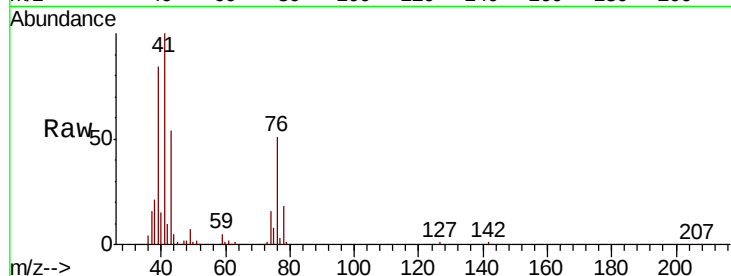




#17
Allvl chloride
Concen: 18.422 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

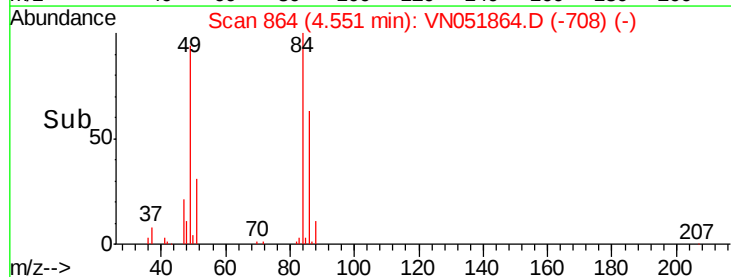
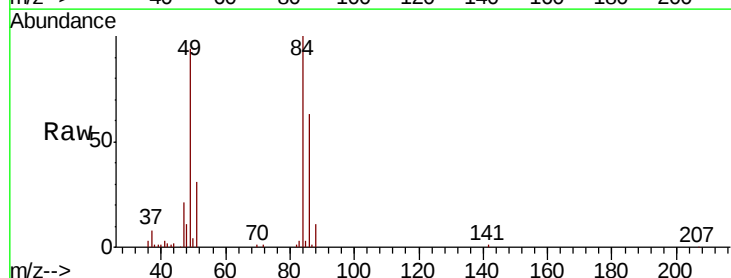
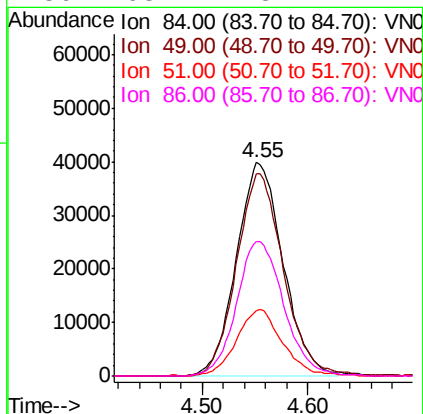
Instrument :
MSVOA_N
ClientSampled :

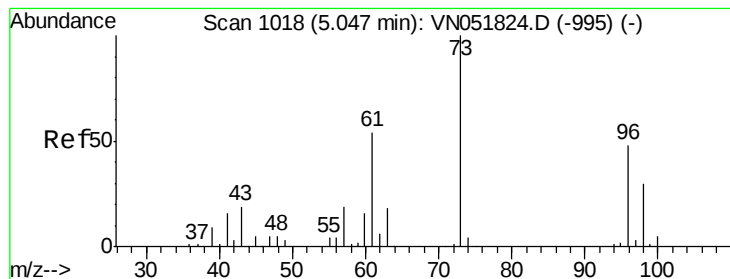
Tot Ion: 41 Resp: 124726
Ion Ratio Lower Upper
41 100
39 84.6 32.6 97.8
76 50.9 20.2 60.5



#18
Methylene Chloride
Concen: 19.191 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion: 84 Resp: 122368
Ion Ratio Lower Upper
84 100
49 94.1 91.6 137.4
51 30.6 29.8 44.6
86 63.2 48.2 72.4





#19

trans-1,2-Dichloroethene

Concen: 18.509 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampled :

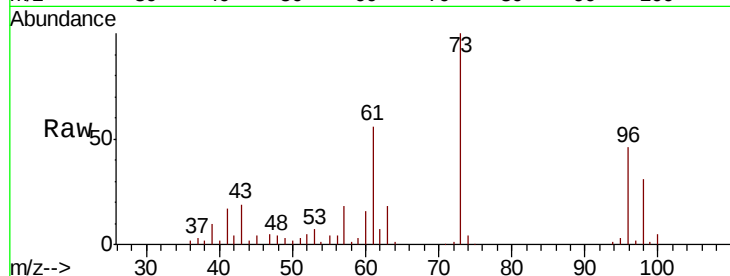
Tot Ion: 96 Resp: 120525

Ion Ratio Lower Upper

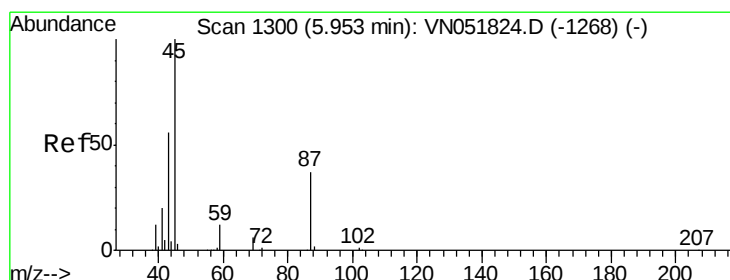
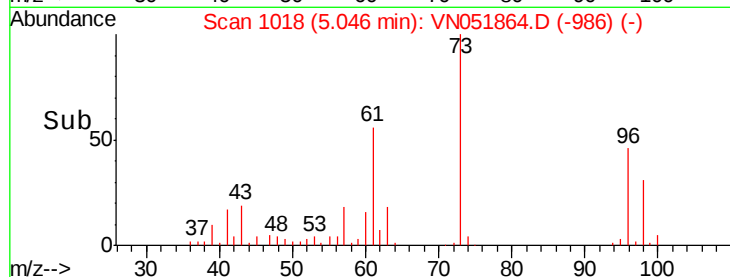
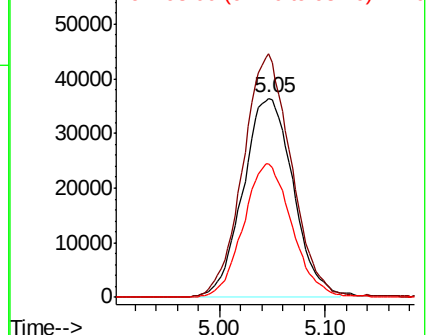
96 100

61 122.1 112.3 168.5

98 67.3 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: 17.826 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Tgt Ion: 45 Resp: 268795

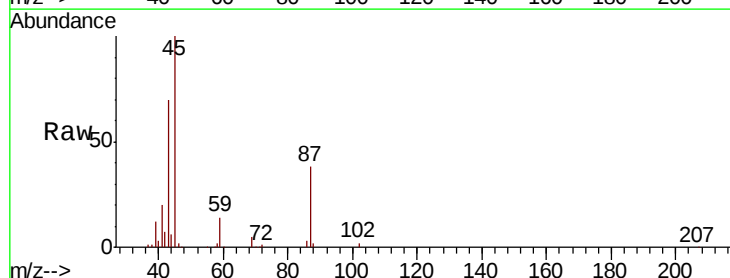
Ion Ratio Lower Upper

45 100

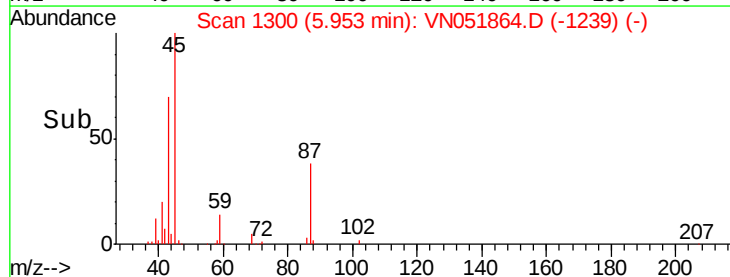
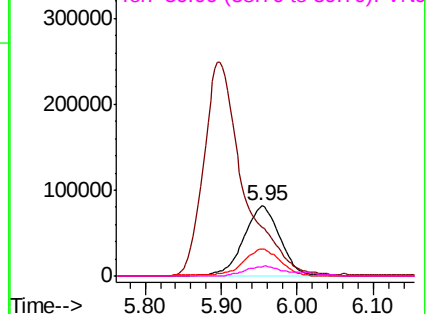
43 67.6 62.1 93.1

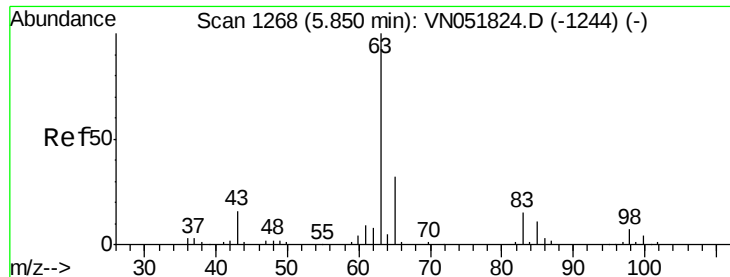
87 38.3 19.9 29.9#

59 13.1 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: 19.055 ug/l

RT: 5.85 min Scan# 1268

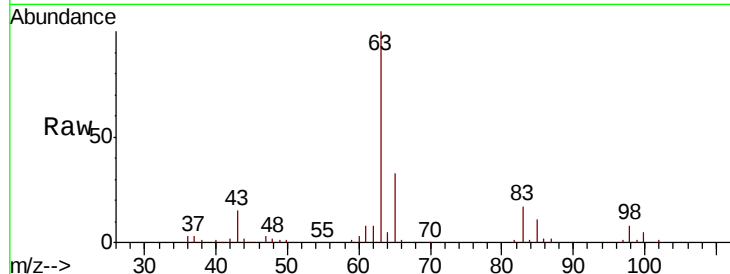
Delta R.T. -0.00 min

Lab File: VN051864.D

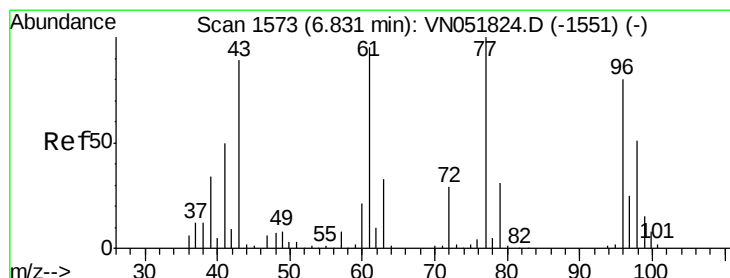
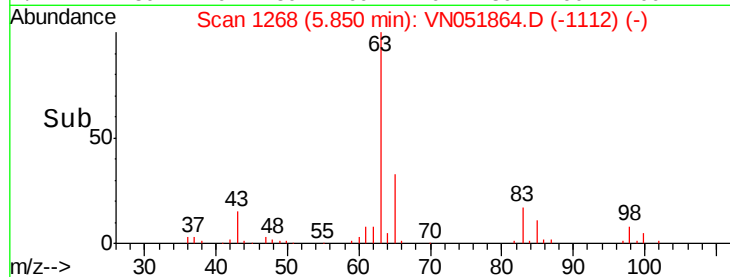
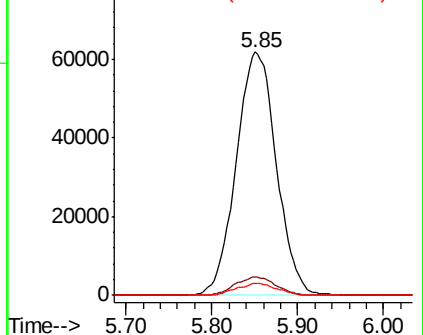
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	63	Resp:	200769
Ion	Ratio	Lower	Upper
63	100		
98	7.5	4.1	12.3
100	5.0	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: 18.655 ug/l

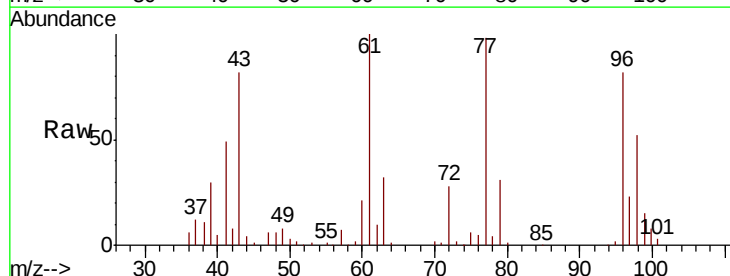
RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

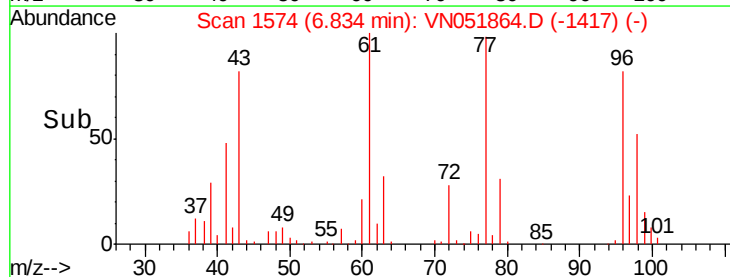
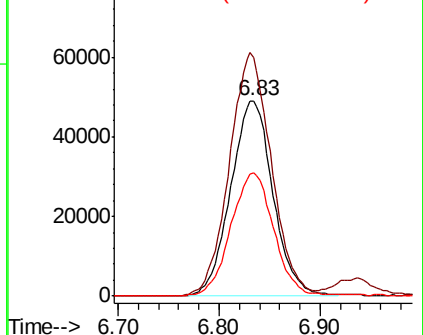
Lab File: VN051864.D

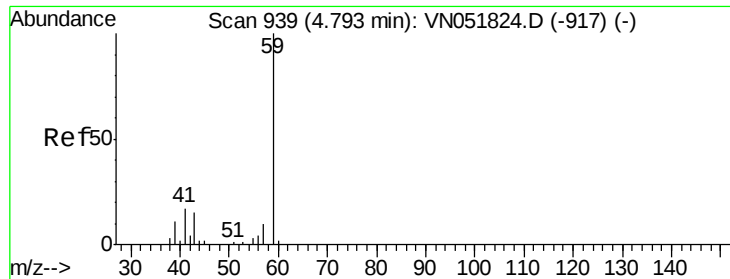
Acq: 15 Oct 2018 10:39

Tgt Ion:	96	Resp:	142679
Ion	Ratio	Lower	Upper
96	100		
61	123.7	124.5	186.7#
98	64.0	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

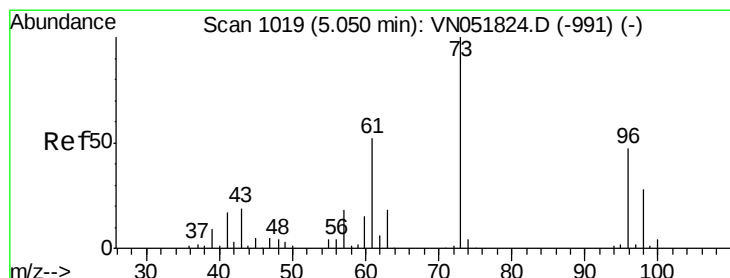
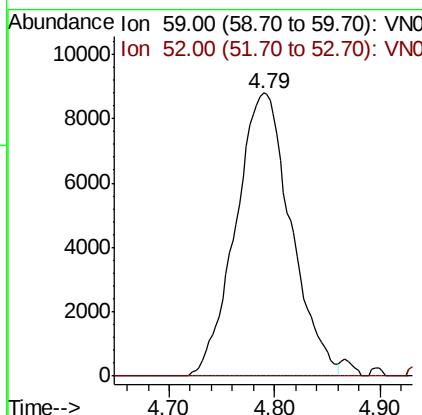
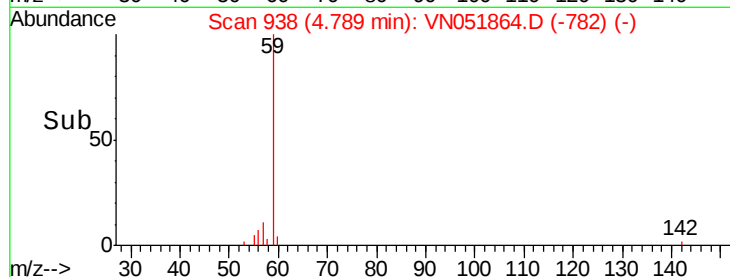
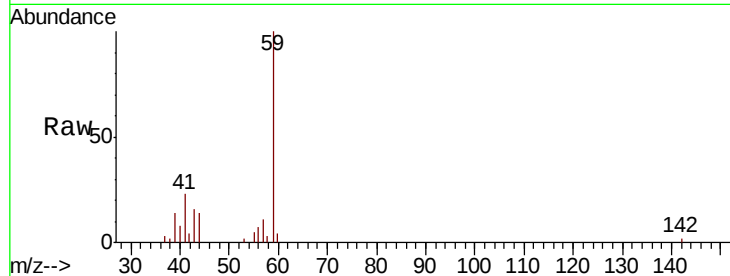




#23
tert-Butyl Alcohol
Concen: 76.841 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

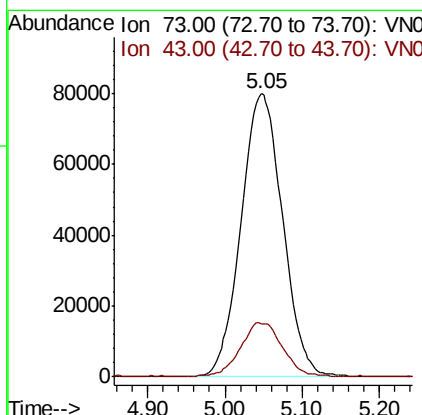
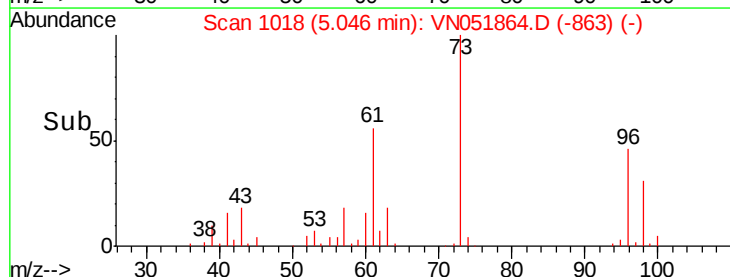
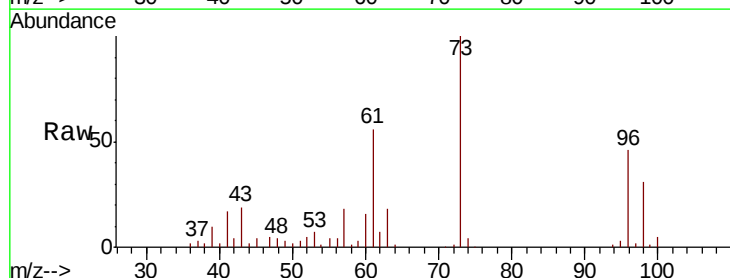
Instrument :
MSVOA_N
ClientSampled :

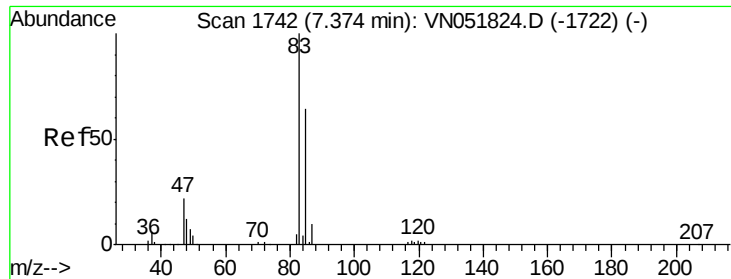
Tot Ion: 59 Resp: 32030
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 18.211 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion: 73 Resp: 299210
Ion Ratio Lower Upper
73 100
43 9.6 5.4 8.0#





#25

Chloroform

Concen: 18.644 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

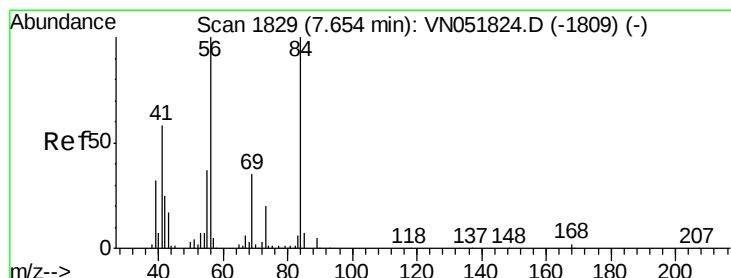
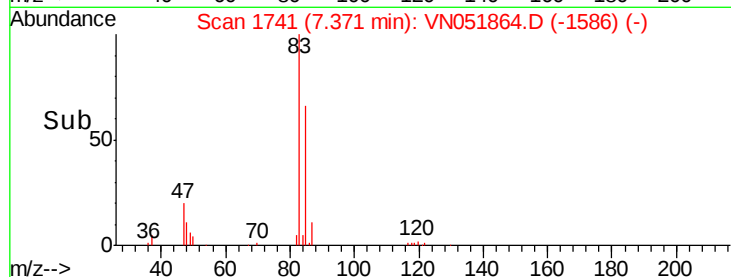
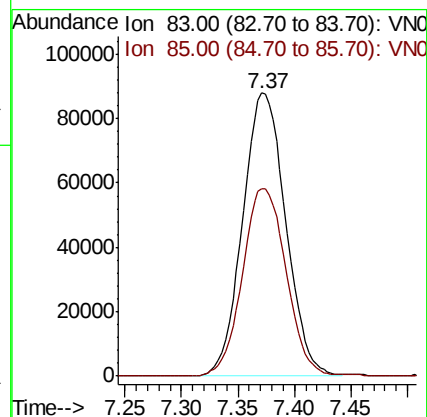
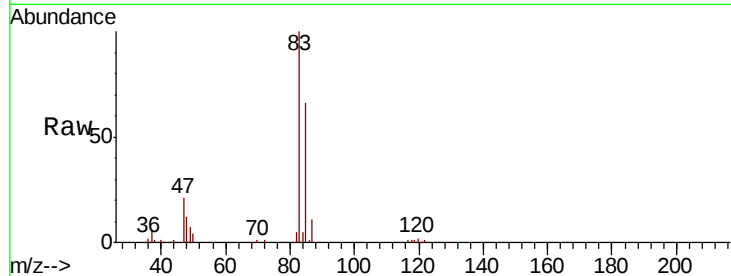
ClientSampleId :

Tot Ion: 83 Resp: 233044

Ion Ratio Lower Upper

83 100

85 66.4 54.6 82.0



#26

Cyclohexane

Concen: 18.039 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

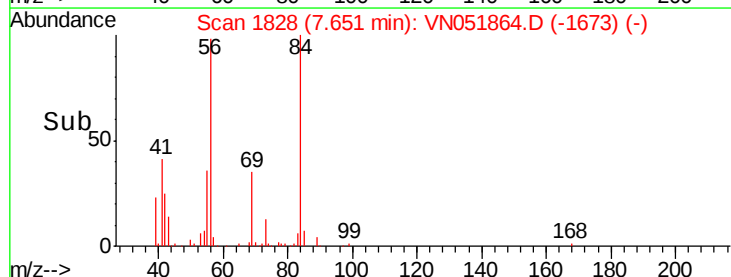
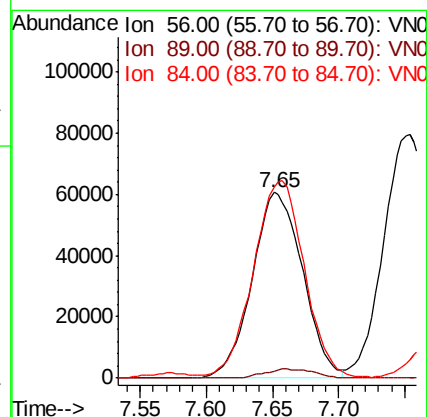
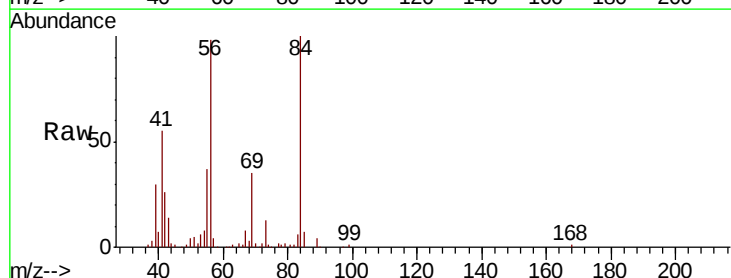
Tgt Ion: 56 Resp: 161132

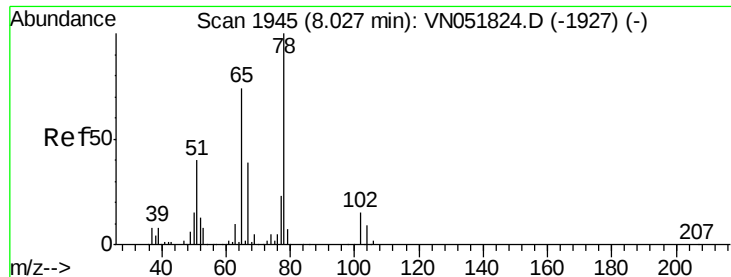
Ion Ratio Lower Upper

56 100

89 4.7 1.5 2.3#

84 107.9 64.2 96.4#





#27

1,2-Dichloroethane-d4

Concen: 18.039 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

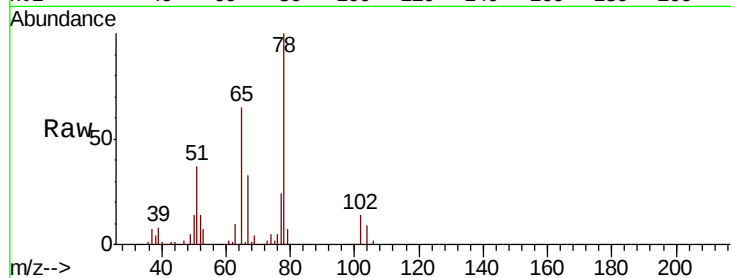
ClientSampled :

Tot Ion: 65 Resp: 221844

Ion Ratio Lower Upper

65 100

67 52.9 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN051864.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN051864.D (-1927) (-)

8.03

100000

80000

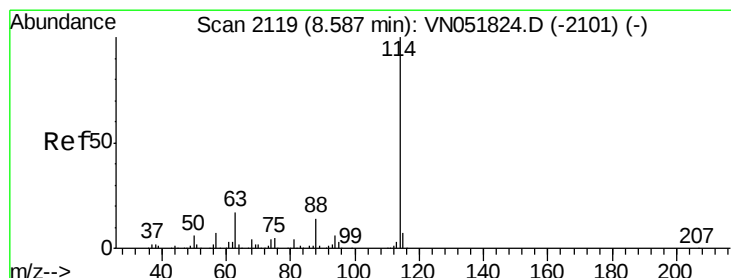
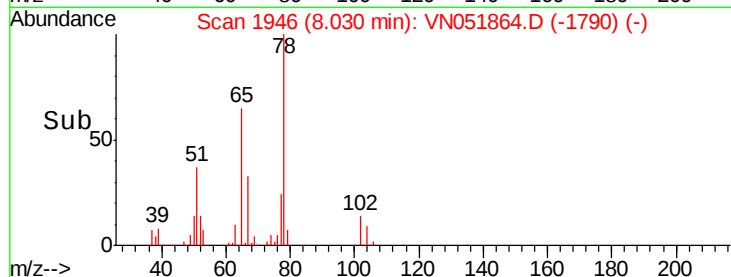
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

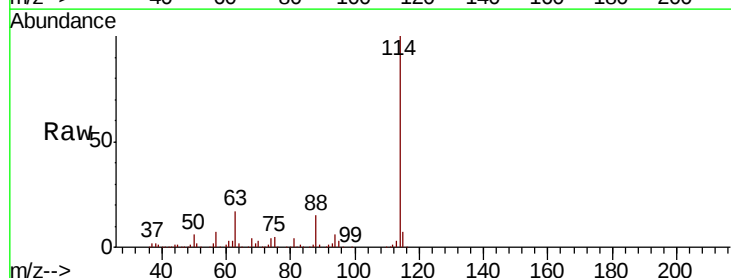
Tgt Ion: 114 Resp: 697287

Ion Ratio Lower Upper

114 100

63 16.5 16.2 24.2

88 14.1 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051864.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051864.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN051864.D (-2101) (-)

8.59

400000

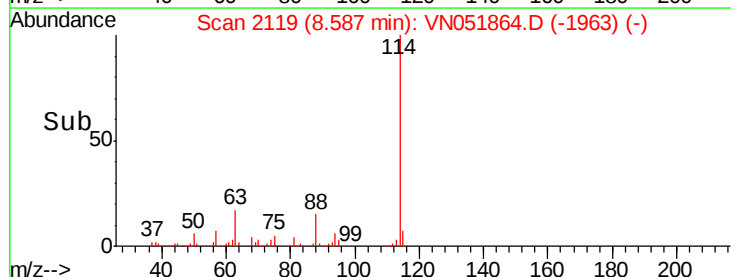
300000

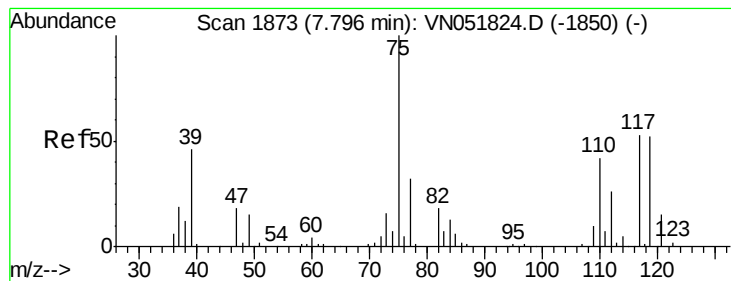
200000

100000

0

Time-->





#29

1,1-Dichloropropene

Concen: 18.628 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampled :

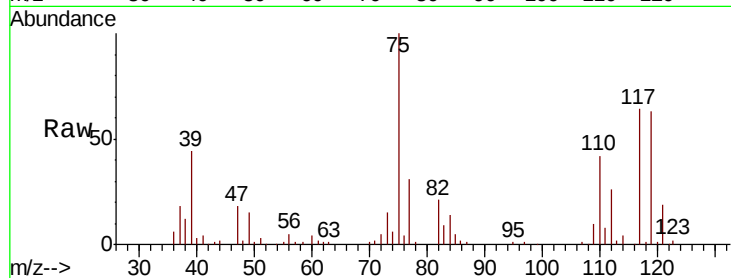
Tot Ion: 75 Resp: 167428

Ion Ratio Lower Upper

75 100

110 41.2 0.0 70.8

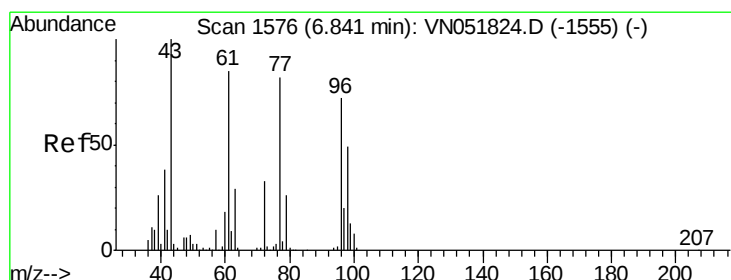
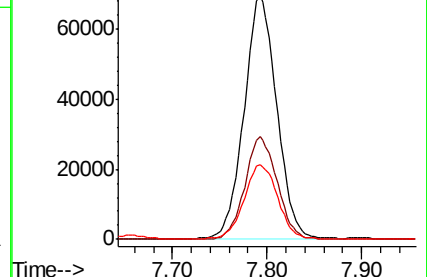
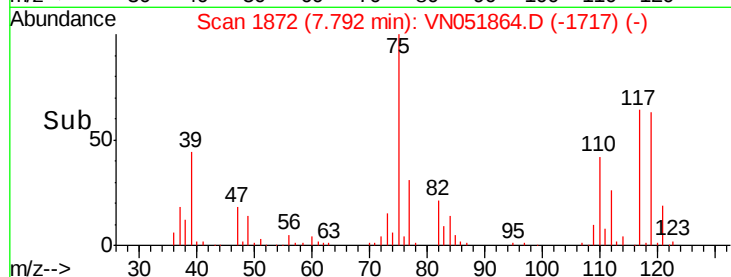
77 31.4 0.0 61.6



Abundance Ion 75.00 (74.70 to 75.70): VN051824.D (-1850) (-)

Ion 110.00 (109.70 to 110.70): VN051824.D (-1850) (-)

Ion 77.00 (76.70 to 77.70): VN051824.D (-1850) (-)



#30

2-Butanone

Concen: 80.275 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

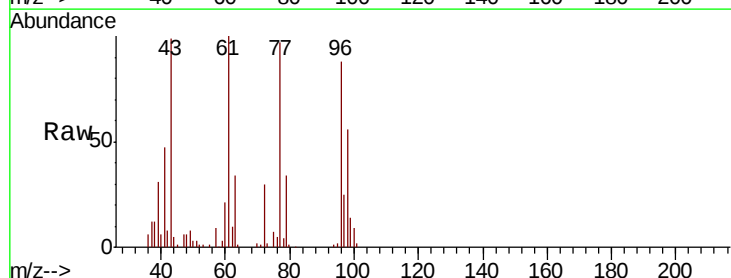
Tgt Ion: 43 Resp: 150806

Ion Ratio Lower Upper

43 100

57 5.6 4.5 6.7

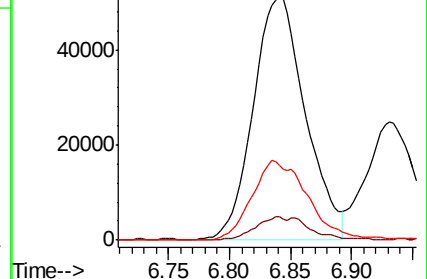
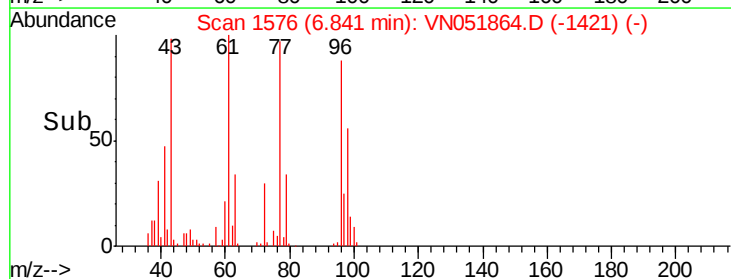
72 21.3 21.5 32.3#

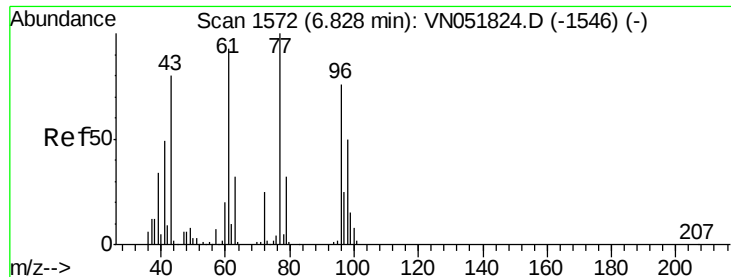


Abundance Ion 43.00 (42.70 to 43.70): VN051824.D (-1555) (-)

Ion 57.00 (56.70 to 57.70): VN051824.D (-1555) (-)

Ion 72.00 (71.70 to 72.70): VN051824.D (-1555) (-)





#31

2,2-Dichloropropane

Concen: 18.864 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

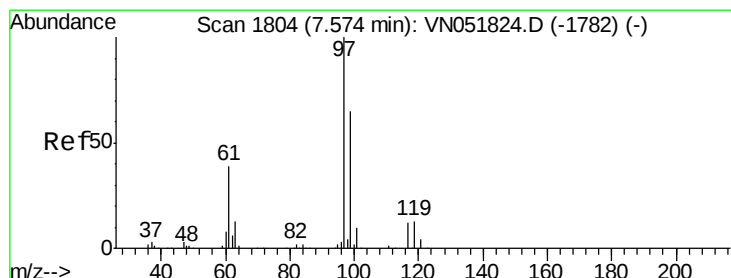
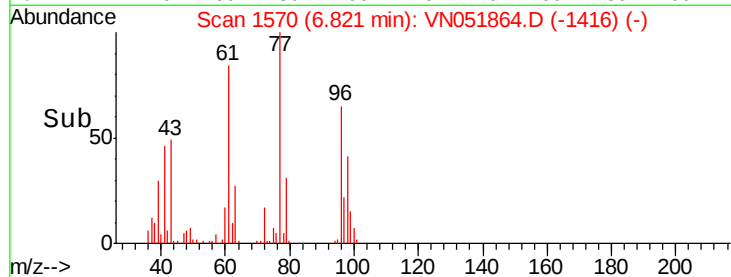
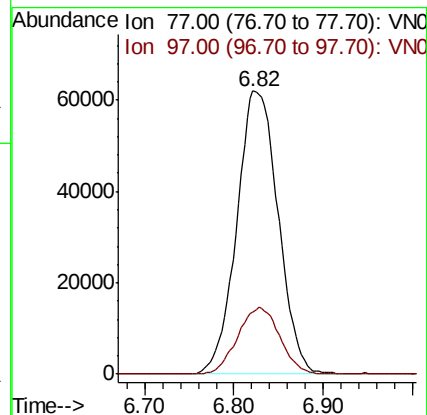
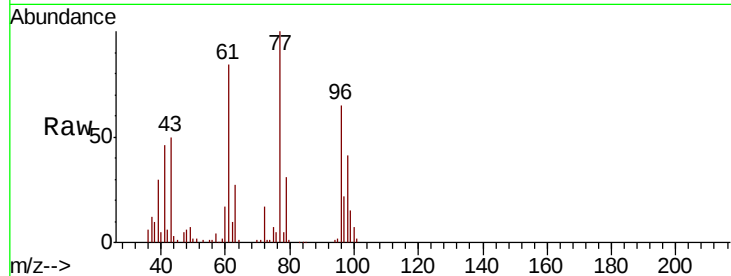
ClientSampled :

Tot Ion: 77 Resp: 199454

Ion Ratio Lower Upper

77 100

97 23.9 12.0 18.0#



#32

1,1,1-Trichloroethane

Concen: 18.436 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

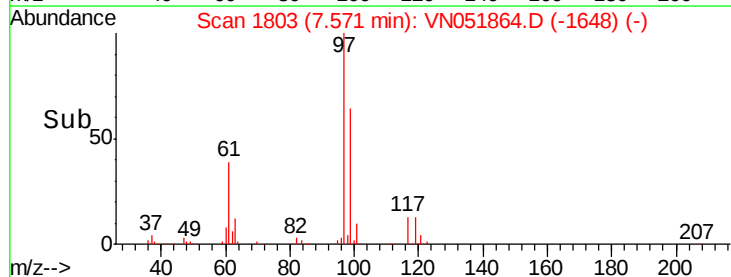
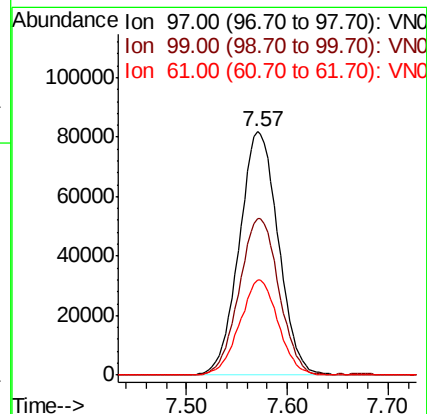
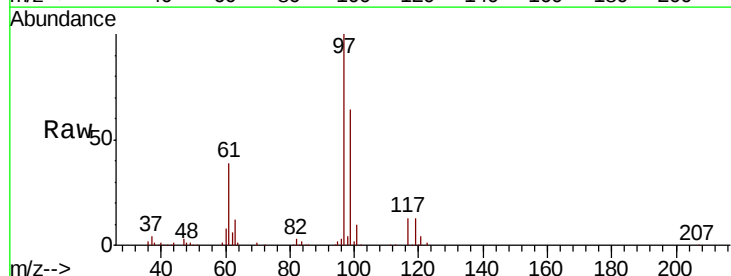
Tgt Ion: 97 Resp: 219691

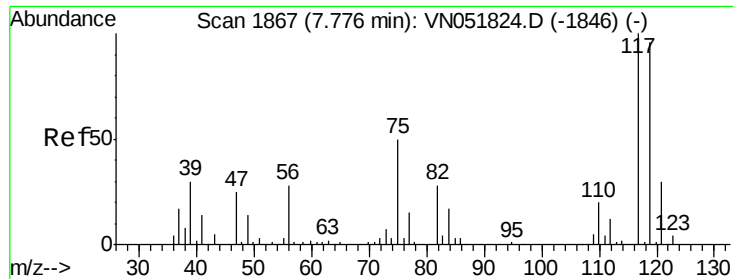
Ion Ratio Lower Upper

97 100

99 65.4 51.6 77.4

61 38.5 37.4 56.0

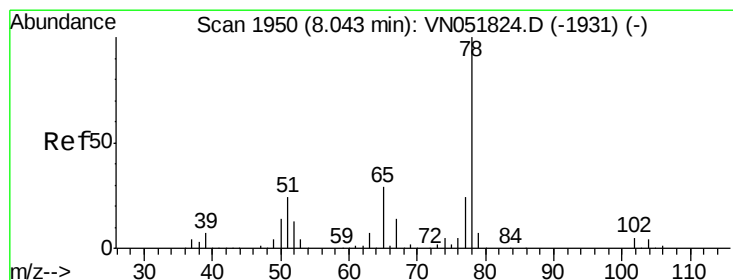
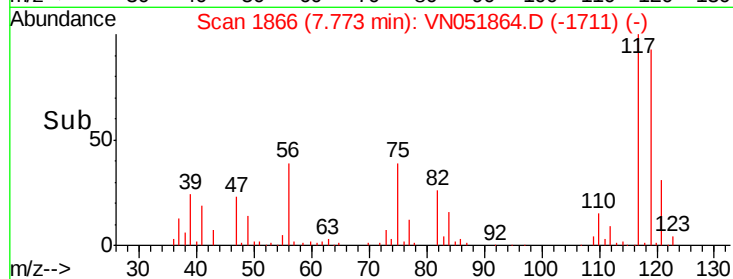
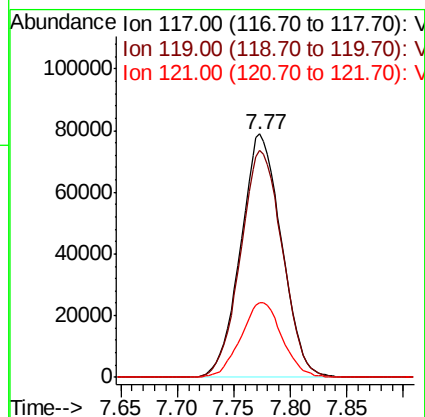
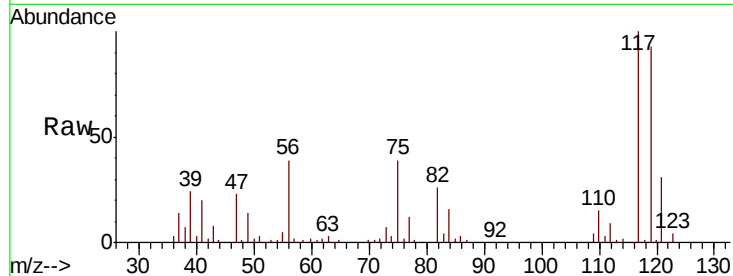




#33
Carbon Tetrachloride
Concen: 18.389 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

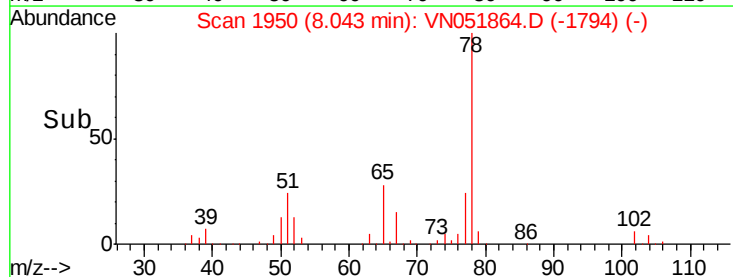
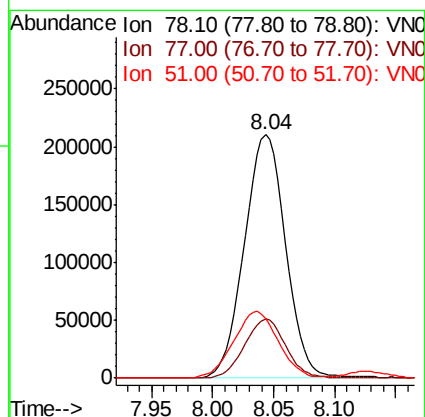
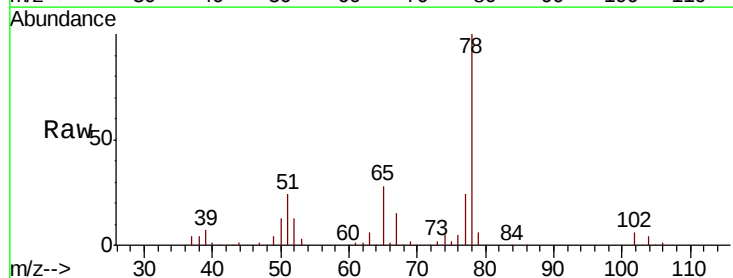
Instrument :
MSVOA_N
ClientSampled :

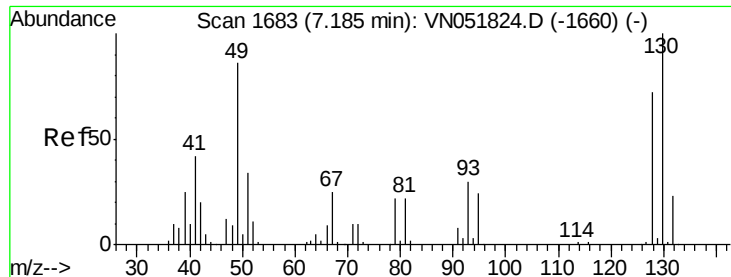
Tot Ion:117 Resp: 198252
Ion Ratio Lower Upper
117 100
119 93.2 85.1 127.7
121 30.7 24.2 36.2



#34
Benzene
Concen: 18.542 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion: 78 Resp: 492961
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2
51 24.2 46.2 69.4#

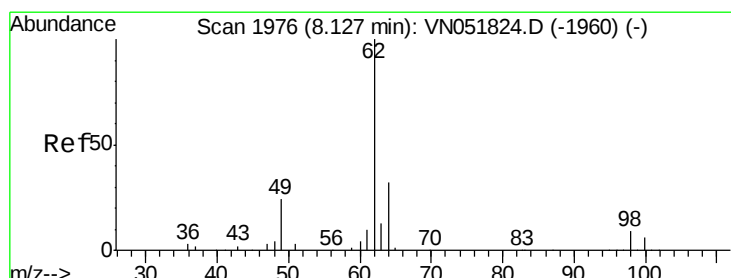
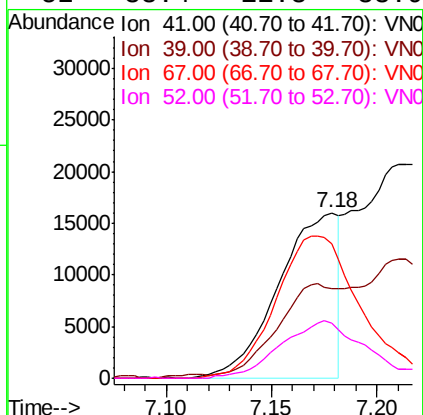
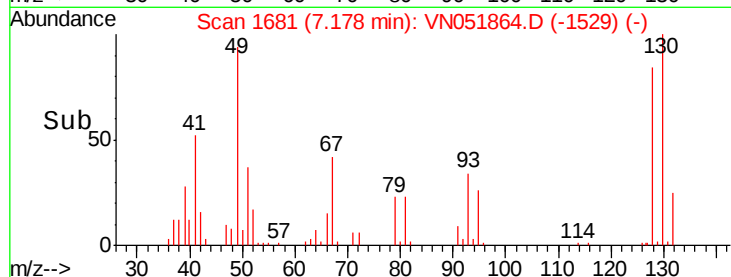
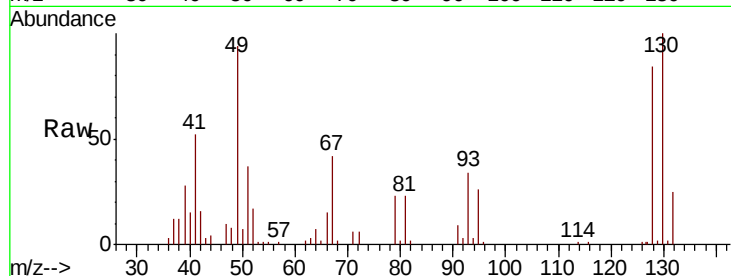




#35
Methacrylonitrile
Concen: 12.798 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

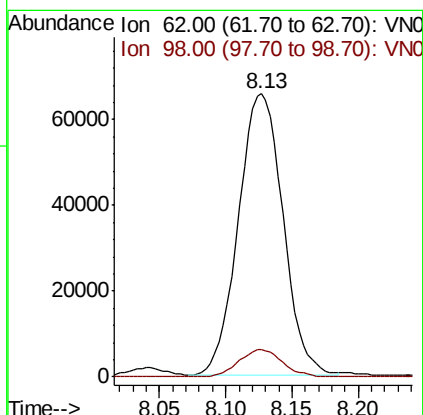
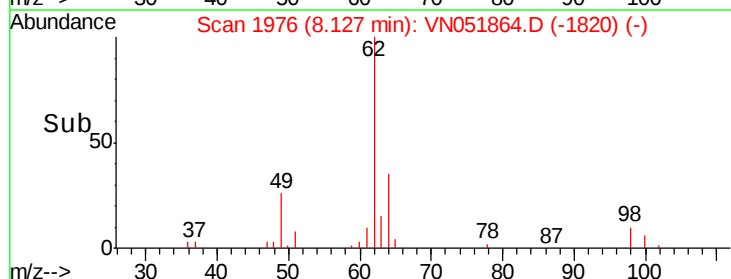
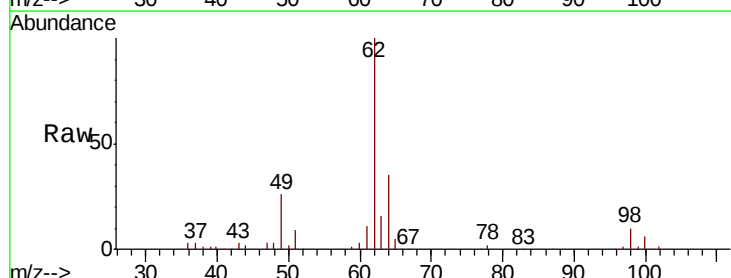
Instrument :
MSVOA_N
ClientSampled :

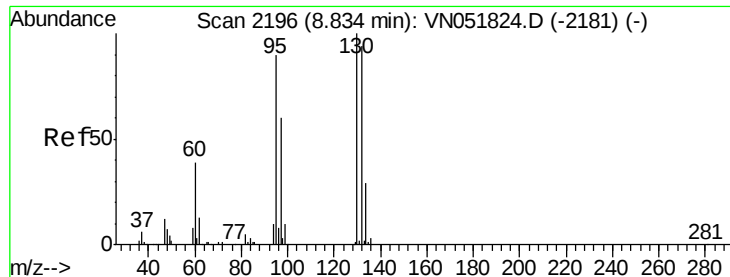
Tot Ion: 41 Resp: 31588
Ion Ratio Lower Upper
41 100
39 51.6 22.6 67.7
67 81.4 28.9 86.8
52 33.4 11.3 33.9



#36
1,2-Dichloroethane
Concen: 18.074 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion: 62 Resp: 153971
Ion Ratio Lower Upper
62 100
98 9.3 6.9 10.3





#37

Trichloroethene

Concen: 18.159 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

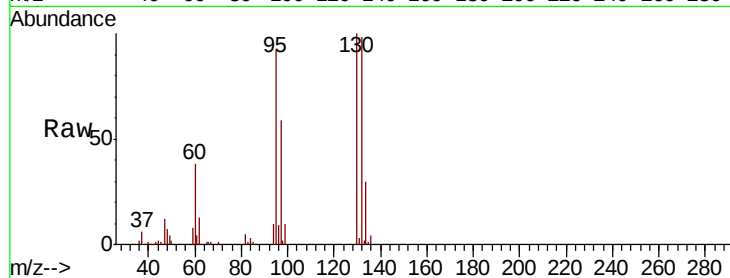
ClientSampled :

Tot Ion:130 Resp: 149871

Ion Ratio Lower Upper

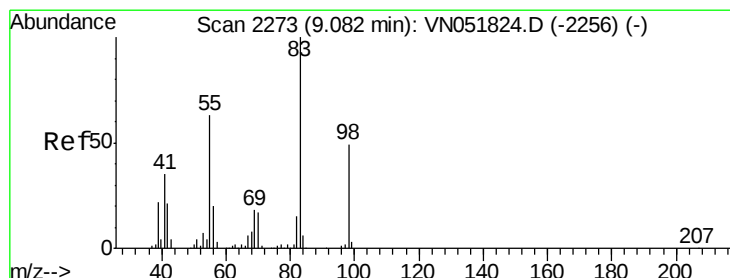
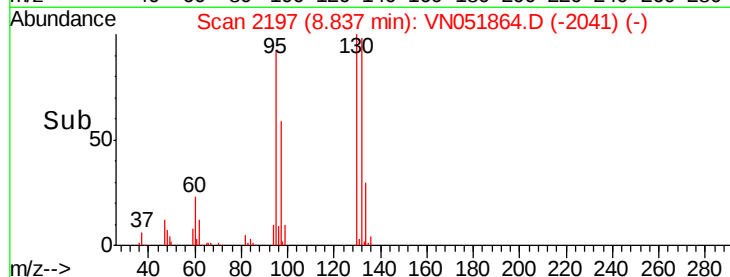
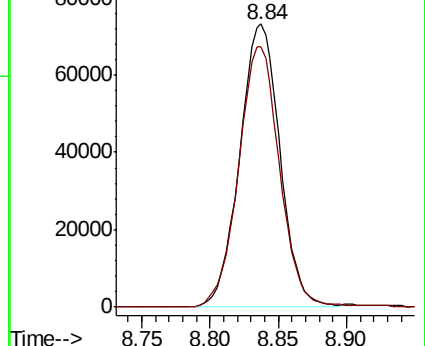
130 100

95 92.1 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: 18.333 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

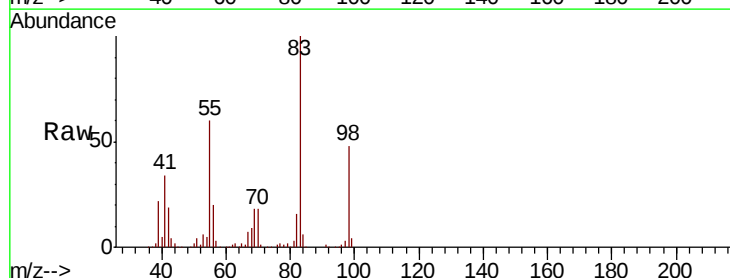
Tgt Ion: 83 Resp: 211342

Ion Ratio Lower Upper

83 100

55 61.4 43.0 129.2

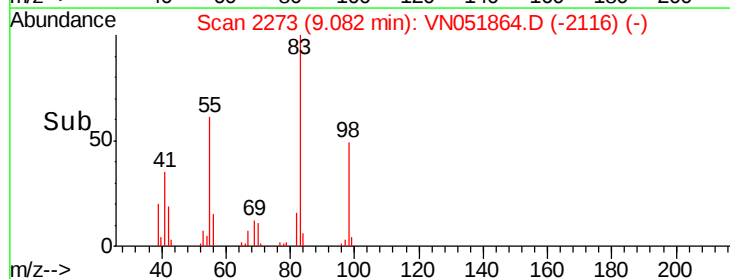
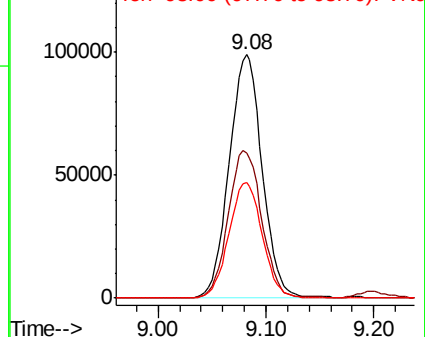
98 48.1 21.3 63.7

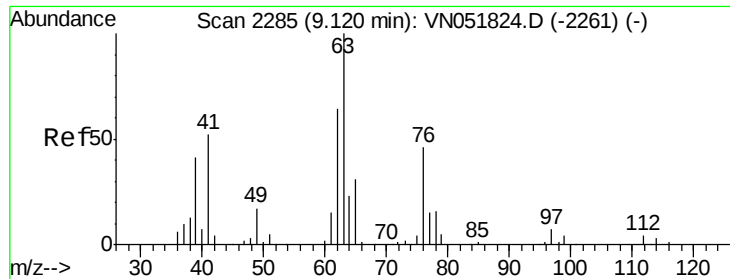


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

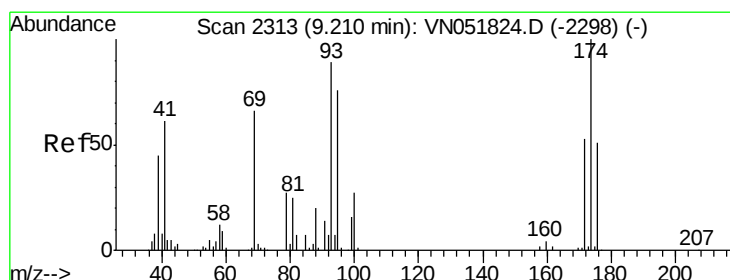
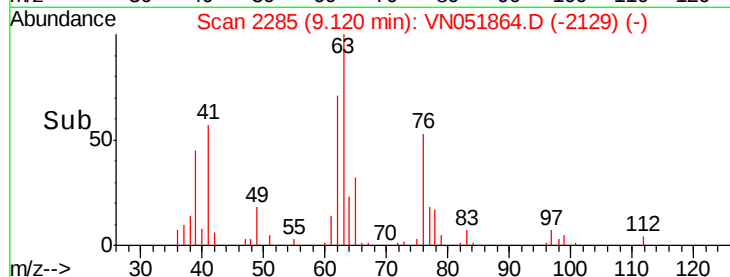
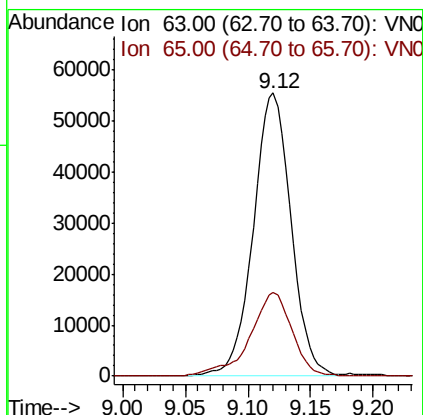
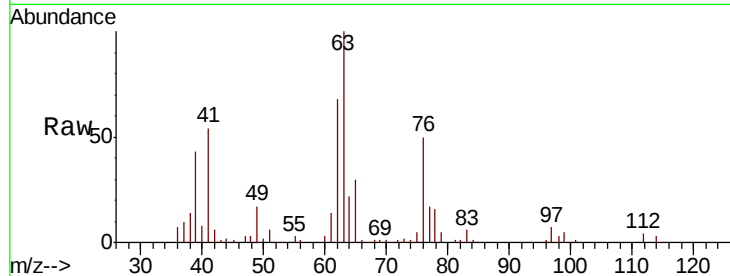




#39
 1,2-Dichloropropane
 Concen: 18.527 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

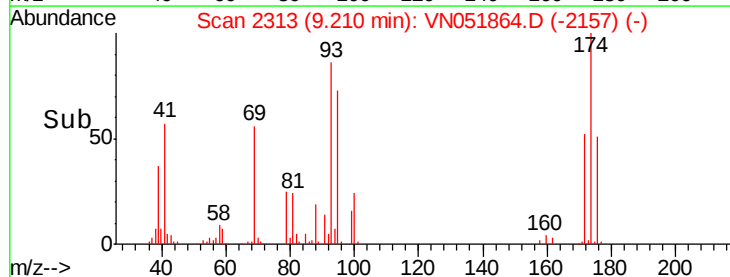
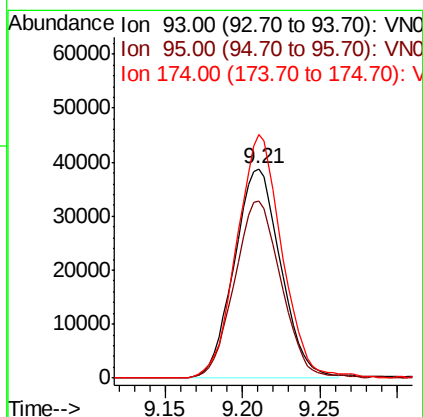
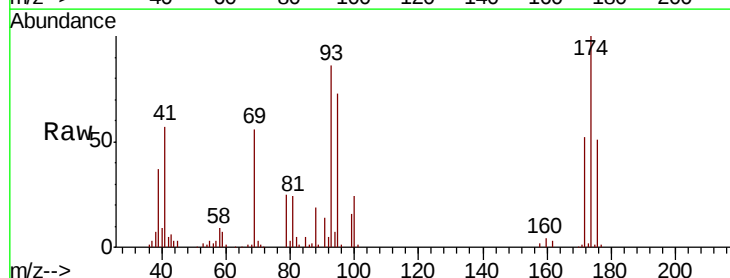
Instrument :
 MSVOA_N
 ClientSampleId :

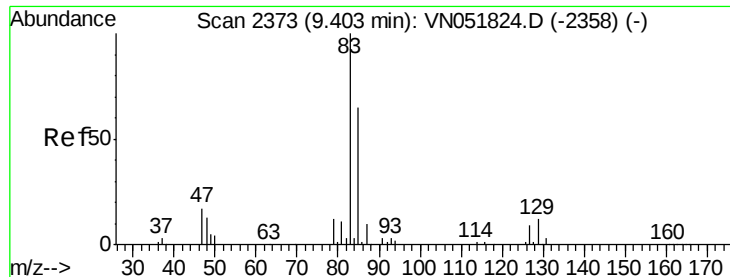
Tot Ion: 63 Resp: 116002
 Ion Ratio Lower Upper
 63 100
 65 29.4 23.2 34.8



#40
 Dibromomethane
 Concen: 17.436 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion: 93 Resp: 81024
 Ion Ratio Lower Upper
 93 100
 95 85.0 0.0 162.0
 174 112.5 0.0 214.0





#41

Bromodichloromethane

Concen: 18.046 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampled :

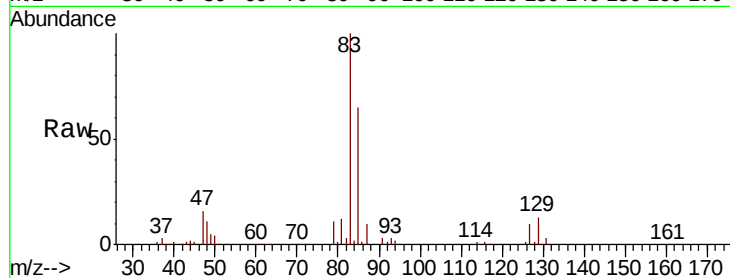
Tot Ion: 83 Resp: 173210

Ion Ratio Lower Upper

83 100

85 65.2 55.7 83.5

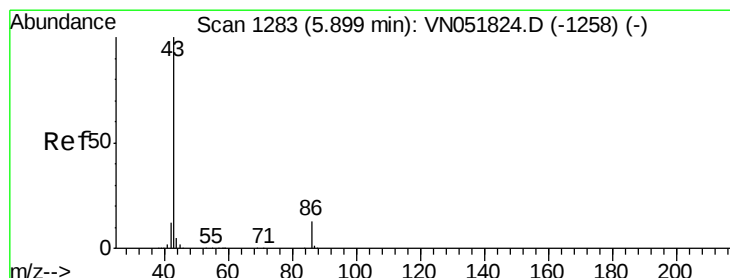
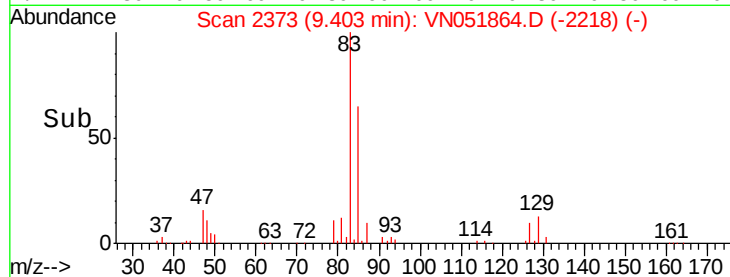
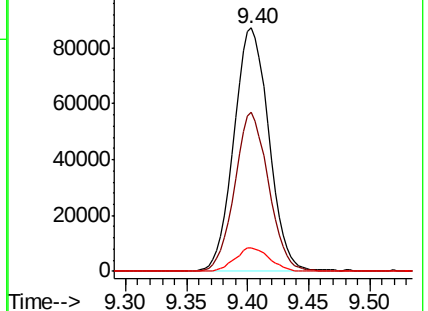
127 9.8 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN051864.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN051864.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN051864.D (-2218) (-)



#42

Vinyl Acetate

Concen: 85.113 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051864.D

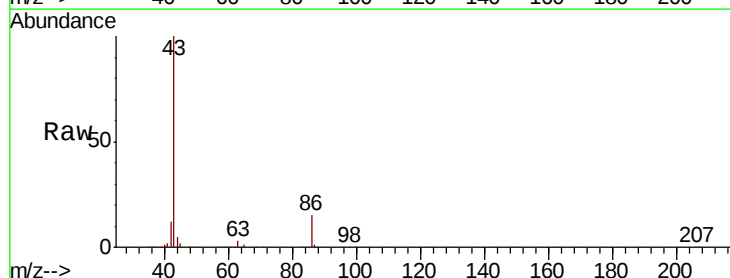
Acq: 15 Oct 2018 10:39

Tgt Ion: 43 Resp: 900104

Ion Ratio Lower Upper

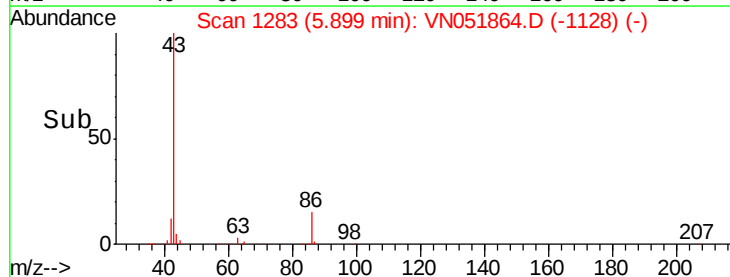
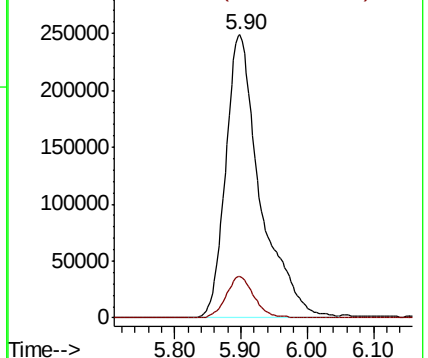
43 100

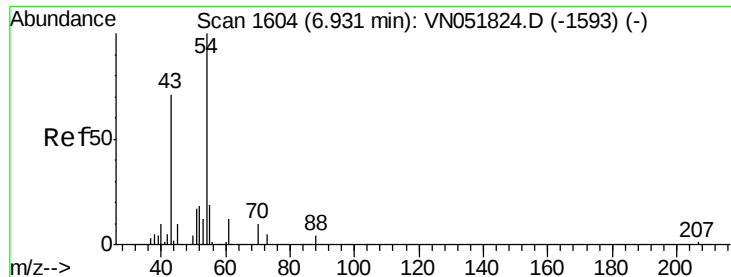
86 11.9 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN051864.D (-1128) (-)

Ion 86.00 (85.70 to 86.70): VN051864.D (-1128) (-)

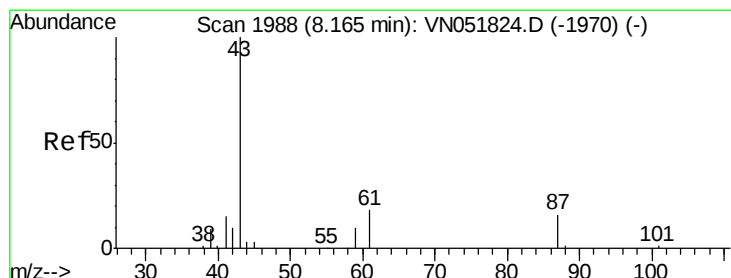
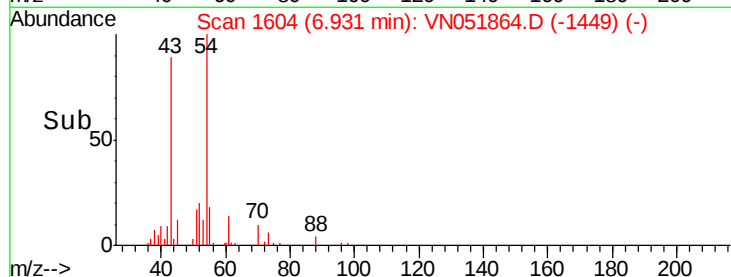
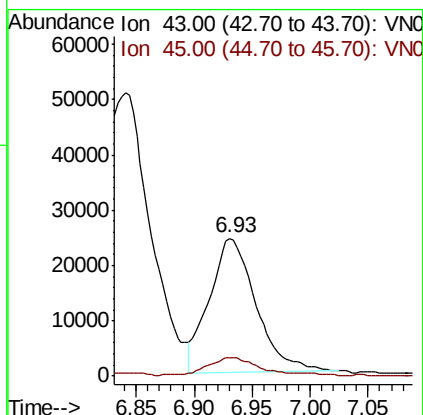
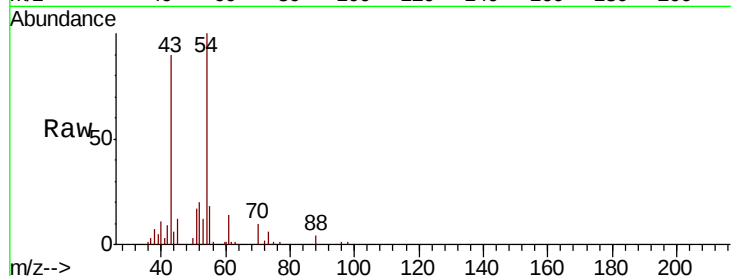




#43
Ethyl Acetate
Concen: 16.603 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

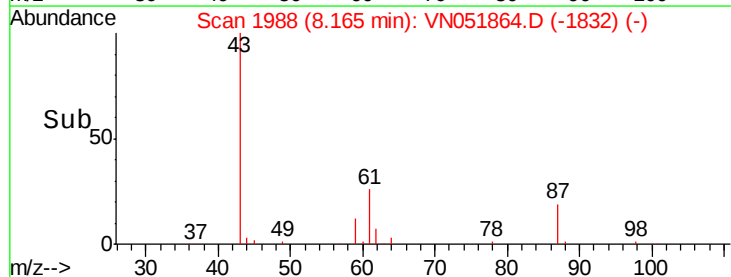
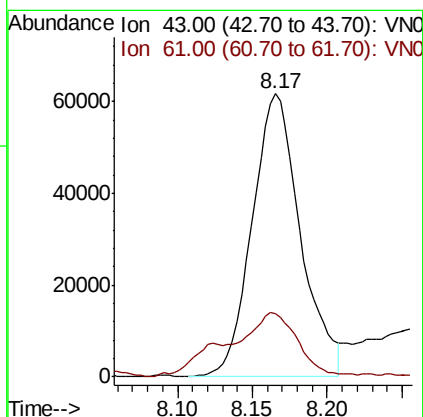
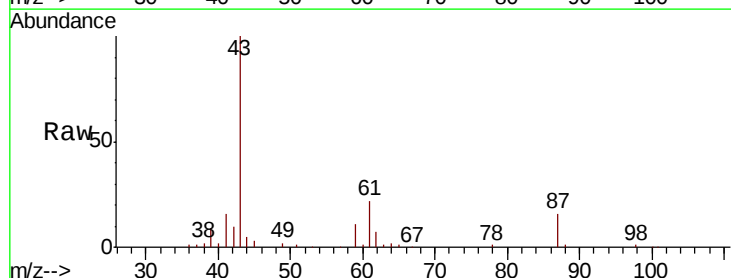
Instrument :
MSVOA_N
ClientSampleId :

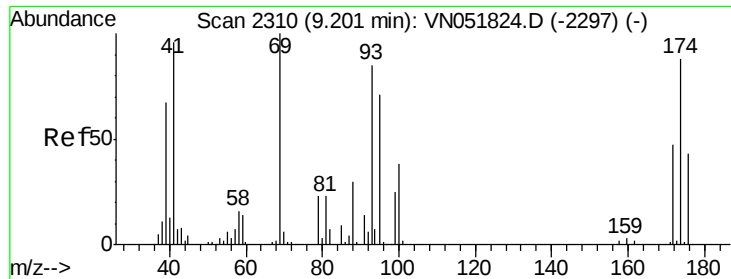
Tot Ion: 43 Resp: 67728
Ion Ratio Lower Upper
43 100
45 15.0 11.0 16.6



#44
Isopropyl Acetate
Concen: 17.043 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion: 43 Resp: 138858
Ion Ratio Lower Upper
43 100
61 17.5 15.9 23.9

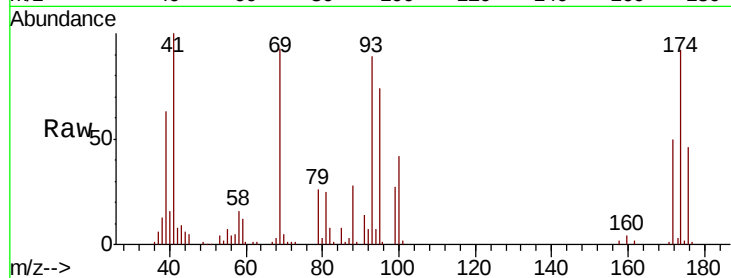




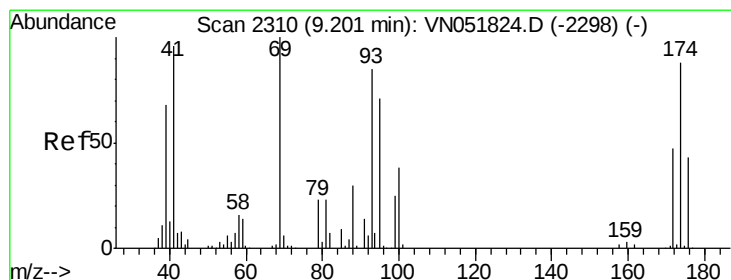
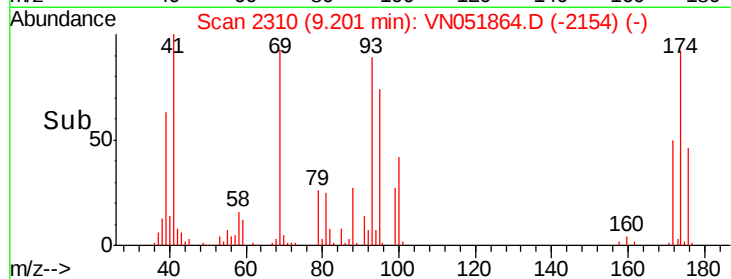
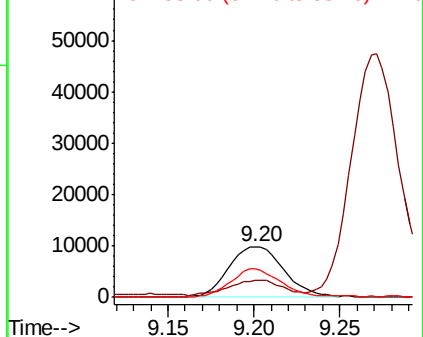
#45
 1,4-Dioxane
 Concen: 335.513 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 21950
 Ion Ratio Lower Upper
 88 100
 43 27.6 26.2 39.2
 58 50.8 65.6 98.4#

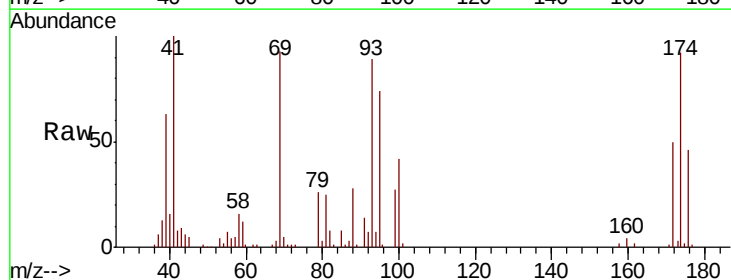


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

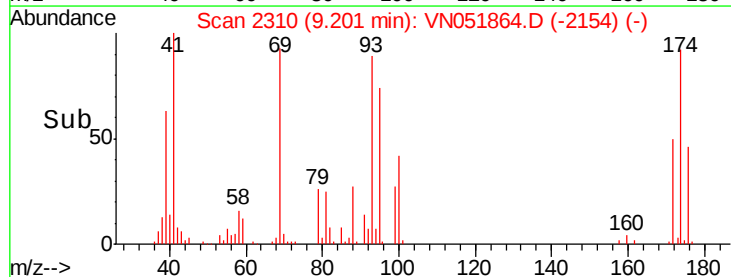
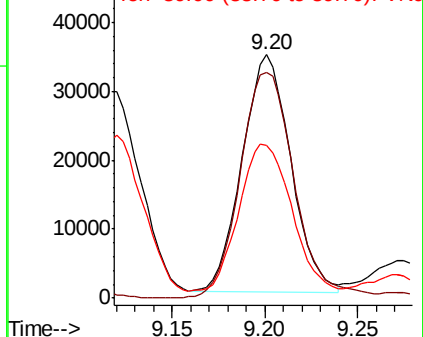


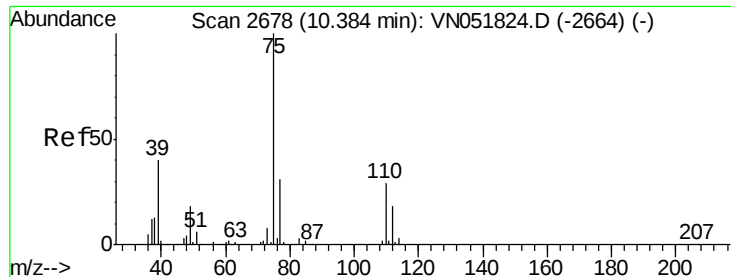
#46
 Methyl methacrylate
 Concen: 16.699 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion: 41 Resp: 62757
 Ion Ratio Lower Upper
 41 100
 69 95.4 40.7 122.1
 39 61.6 27.3 81.9



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





#48

t-1,3-Dichloropropene

Concen: 16.324 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

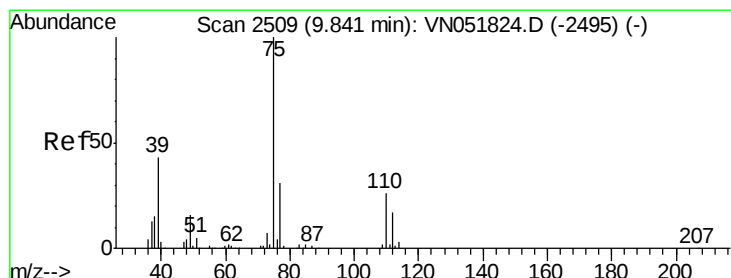
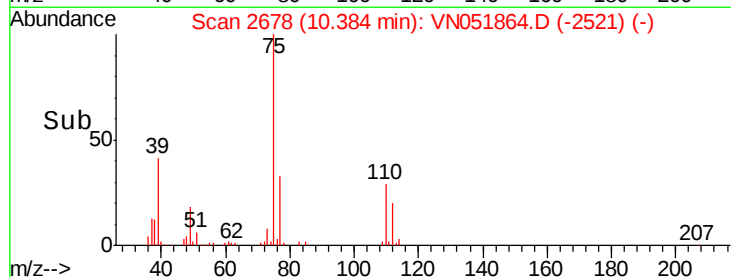
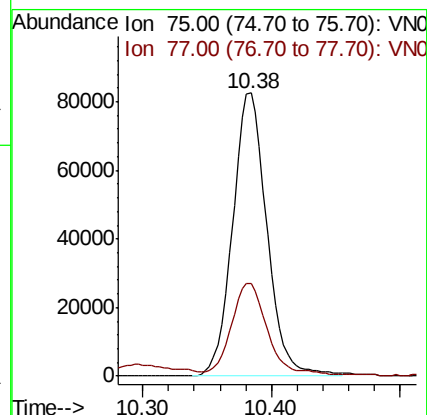
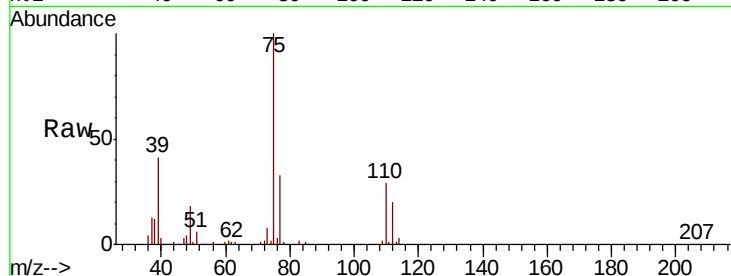
ClientSampleId :

Tot Ion: 75 Resp: 152798

Ion Ratio Lower Upper

75 100

77 32.0 24.6 37.0



#49

cis-1,3-Dichloropropene

Concen: 17.646 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

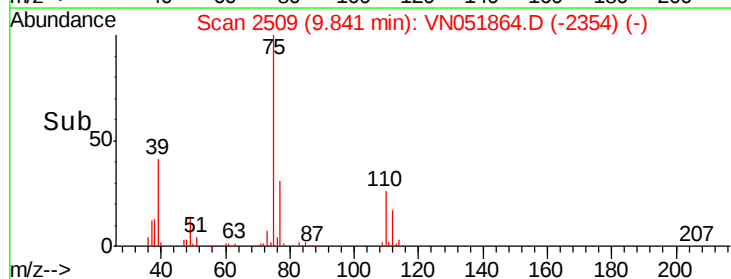
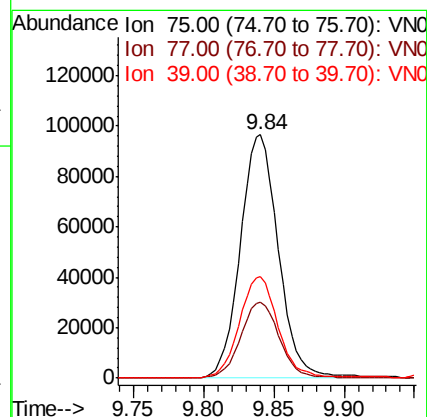
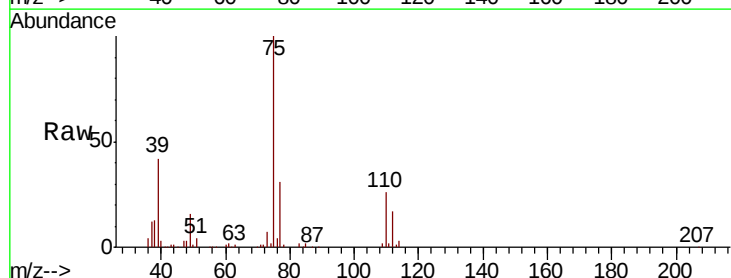
Tgt Ion: 75 Resp: 182079

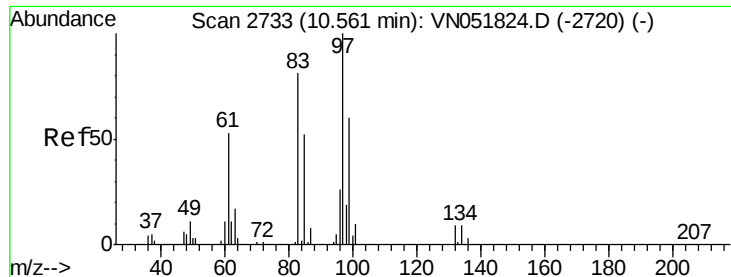
Ion Ratio Lower Upper

75 100

77 31.2 23.2 34.8

39 41.4 34.6 52.0

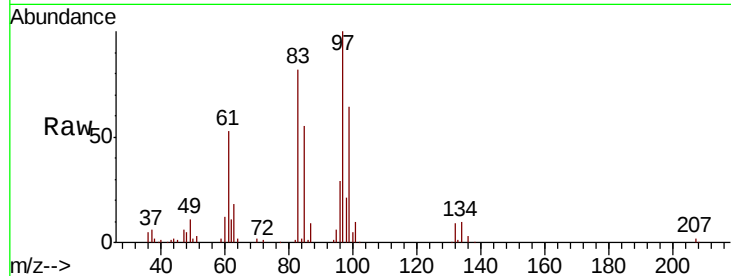




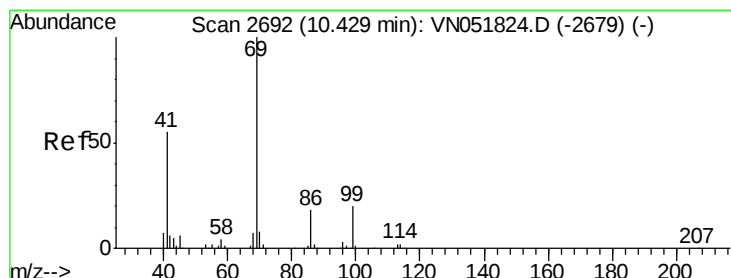
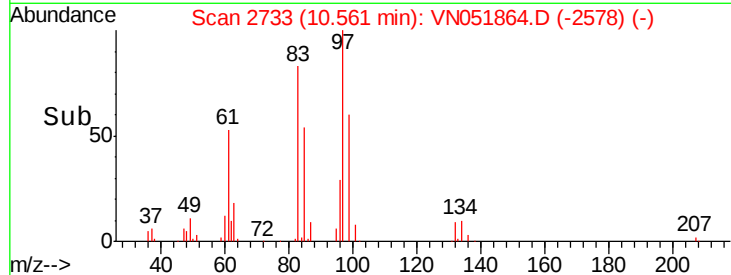
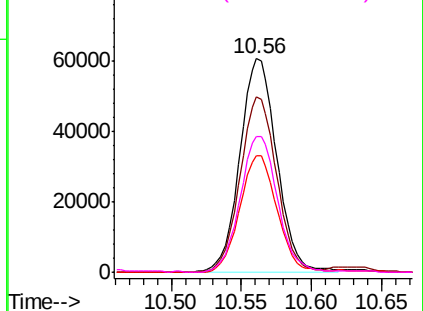
#50
 1,1,2-Trichloroethane
 Concen: 17.368 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	111510
Ion	Ratio	Lower	Upper
97	100		
83	82.3	68.2	102.4
85	54.6	42.5	63.7
99	63.8	44.3	66.5

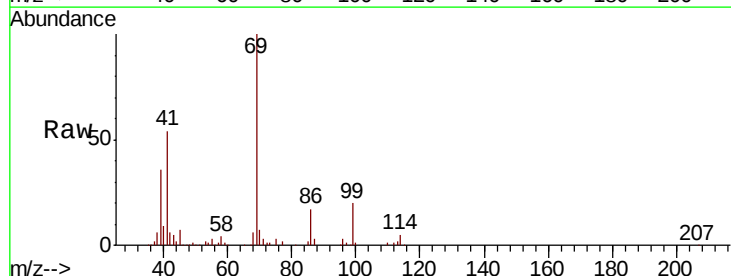


Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO

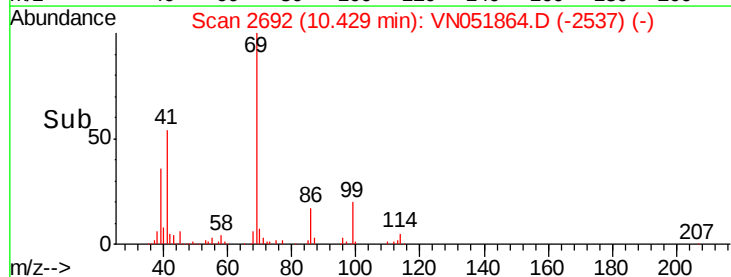
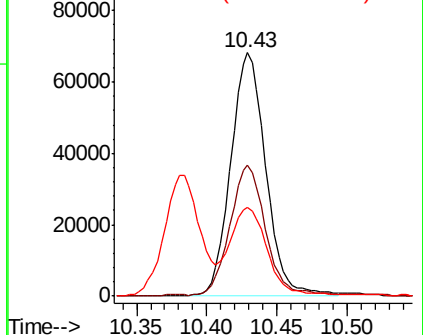


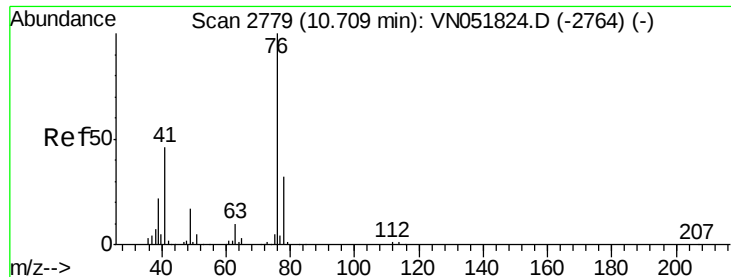
#51
 Ethyl methacrylate
 Concen: 16.191 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion:	69	Resp:	119018
Ion	Ratio	Lower	Upper
69	100		
41	53.5	34.4	103.1
39	35.7	16.3	48.8



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





#52

1,3-Dichloropropane

Concen: 17.726 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

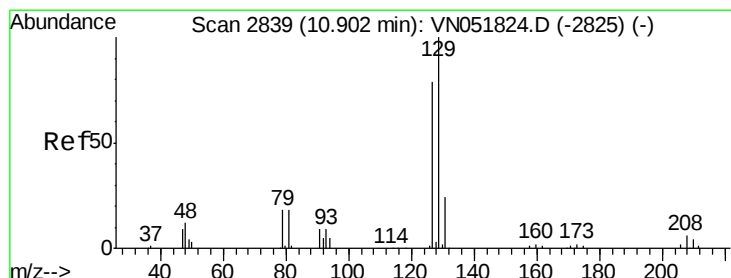
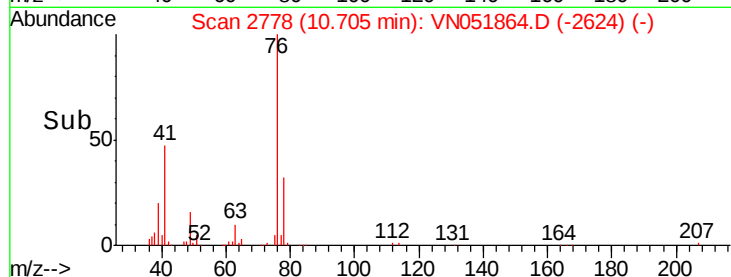
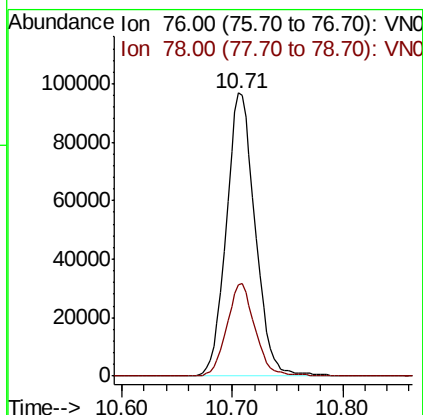
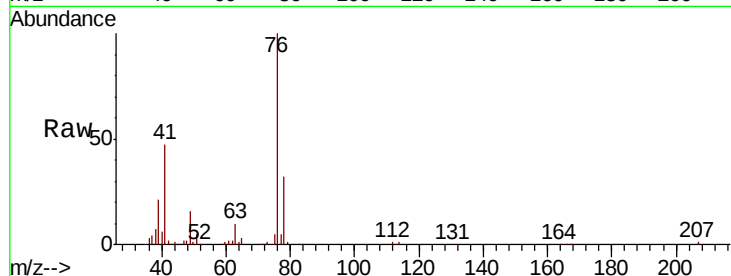
ClientSampleId :

Tot Ion: 76 Resp: 175656

Ion Ratio Lower Upper

76 100

78 31.6 0.0 67.6



#53

Dibromochloromethane

Concen: 16.047 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051864.D

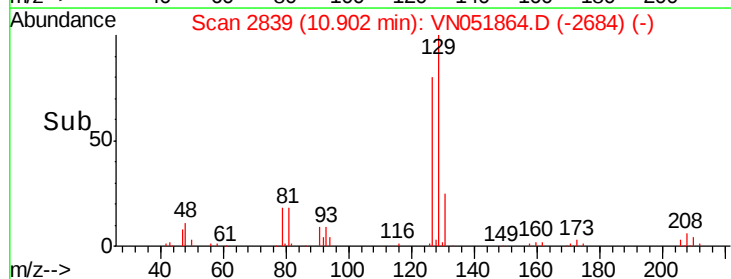
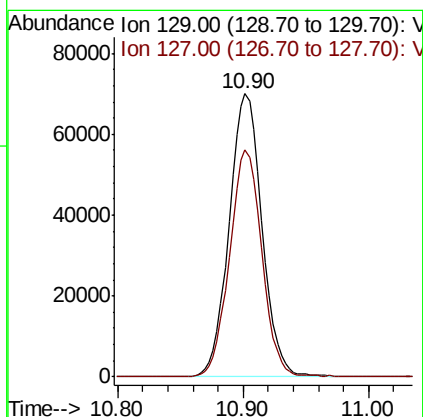
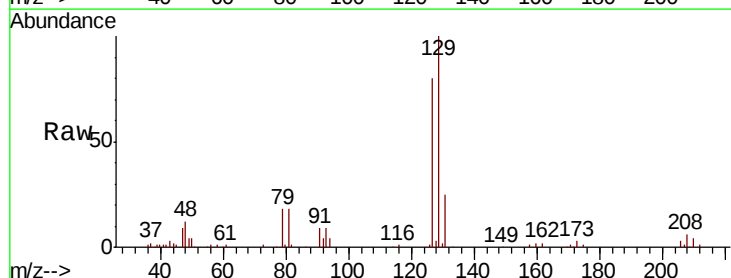
Acq: 15 Oct 2018 10:39

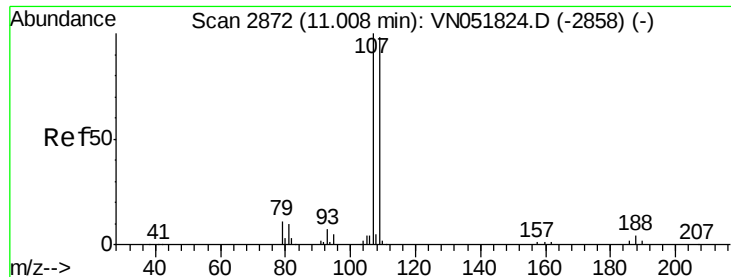
Tgt Ion: 129 Resp: 127460

Ion Ratio Lower Upper

129 100

127 78.7 40.2 120.5





#54

1,2-Dibromoethane

Concen: 16.672 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

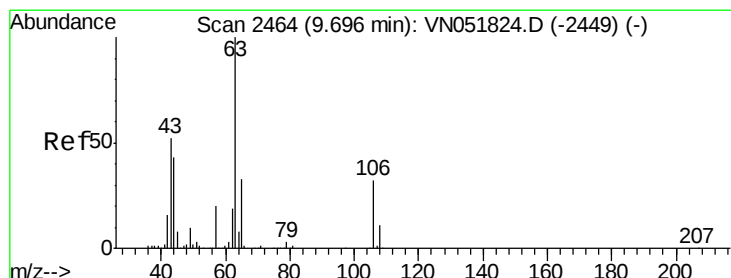
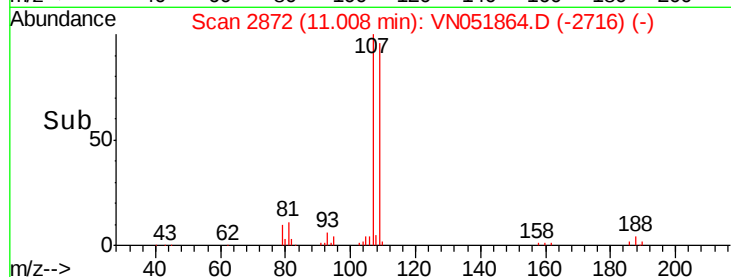
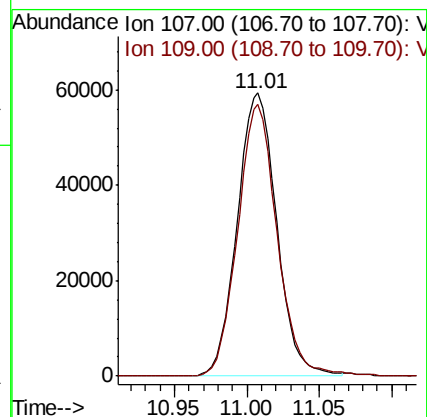
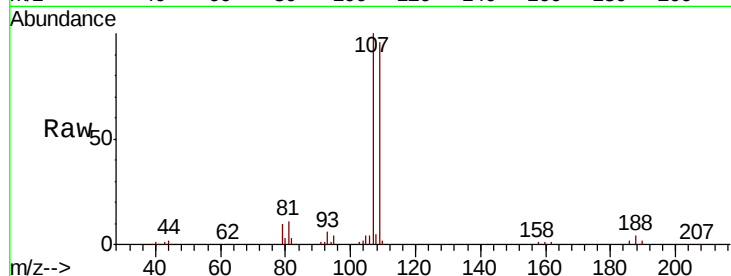
ClientSampleId :

Tot Ion:107 Resp: 112357

Ion Ratio Lower Upper

107 100

109 95.8 77.4 116.0



#55

2-Chloroethyl vinyl ether

Concen: 75.963 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

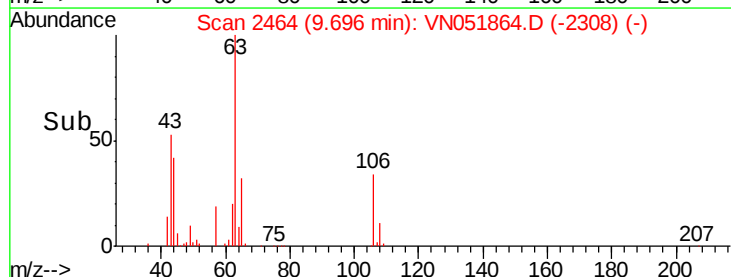
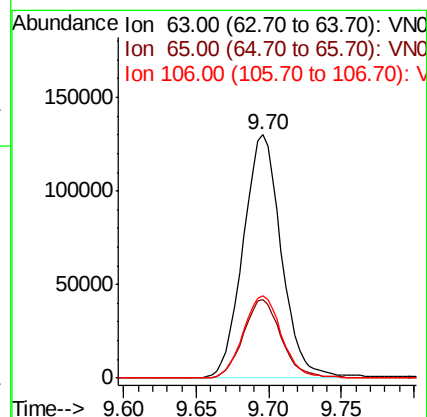
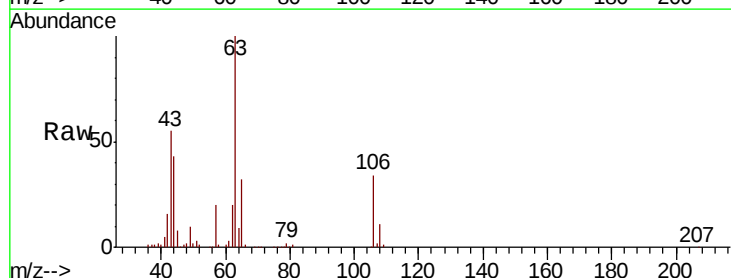
Tgt Ion: 63 Resp: 238703

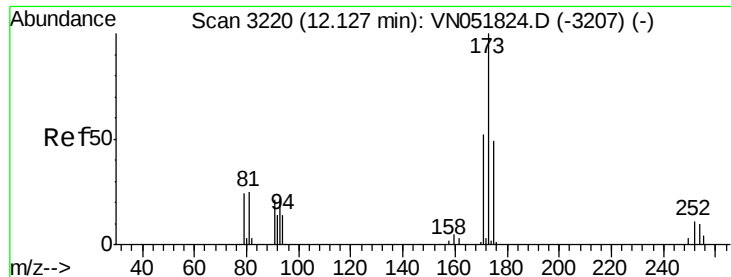
Ion Ratio Lower Upper

63 100

65 32.2 25.4 38.0

106 34.2 21.2 31.8#





#56

Bromoform

Concen: 14.777 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampled :

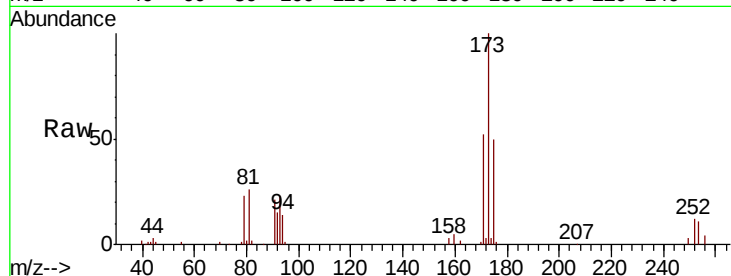
Tot Ion:173 Resp: 77406

Ion Ratio Lower Upper

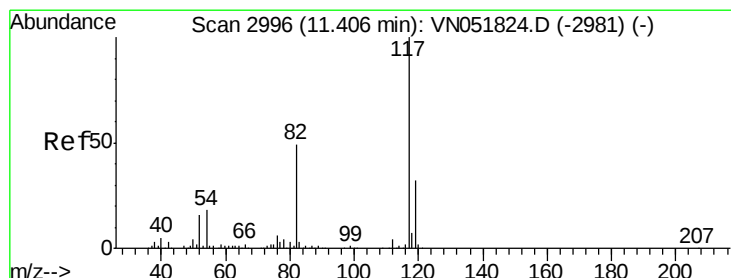
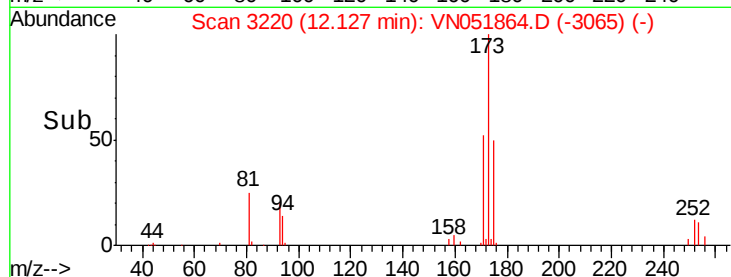
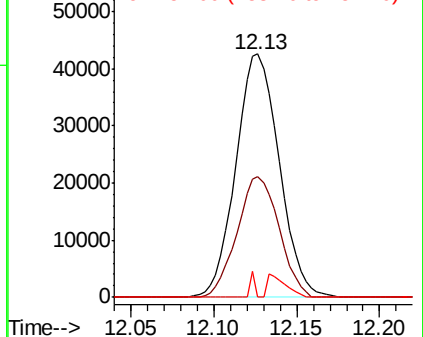
173 100

175 48.1 35.8 53.8

254 4.0 8.6 13.0#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

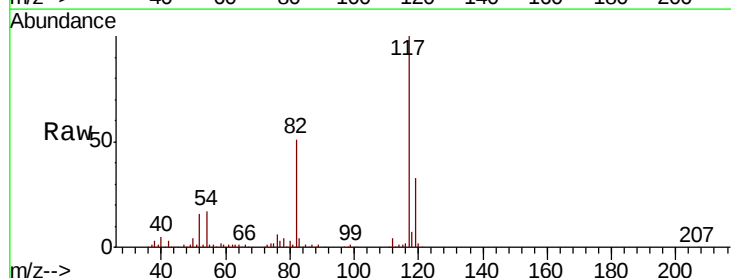
Tgt Ion:117 Resp: 584867

Ion Ratio Lower Upper

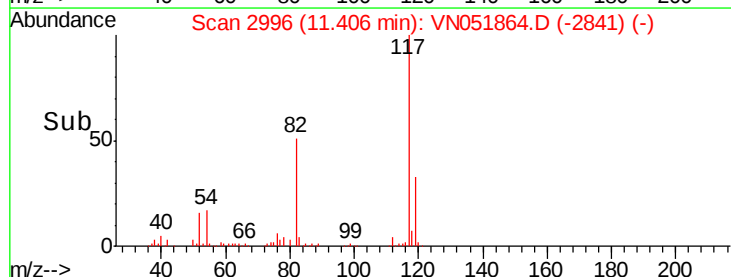
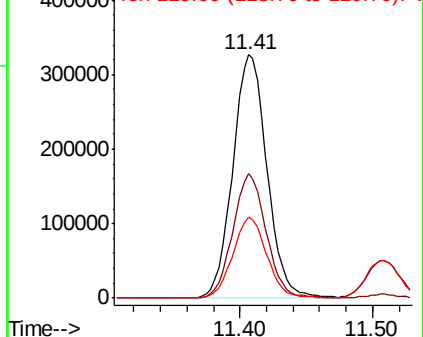
117 100

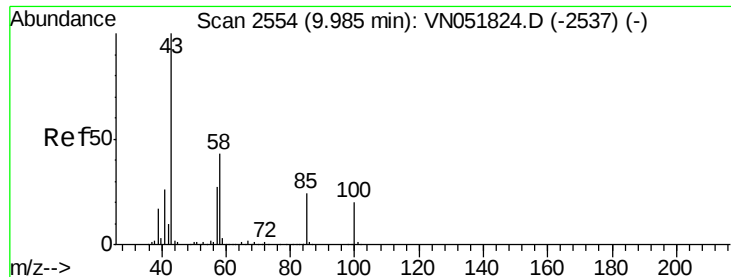
82 49.9 44.1 66.1

119 33.1 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

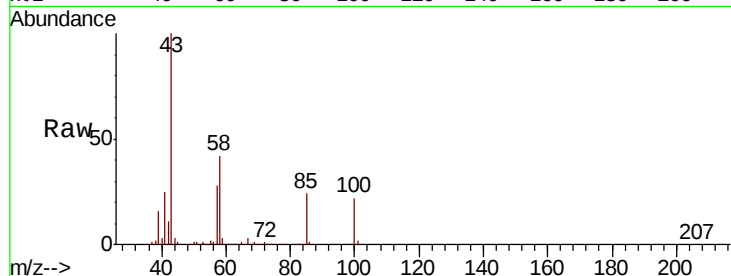




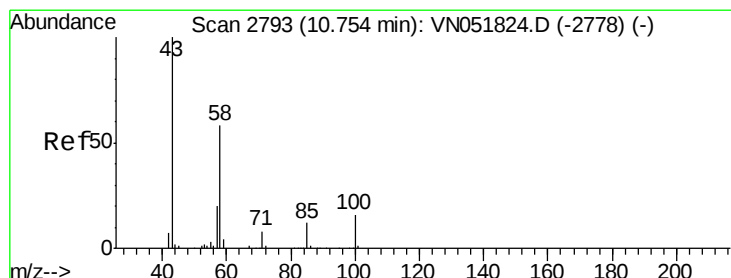
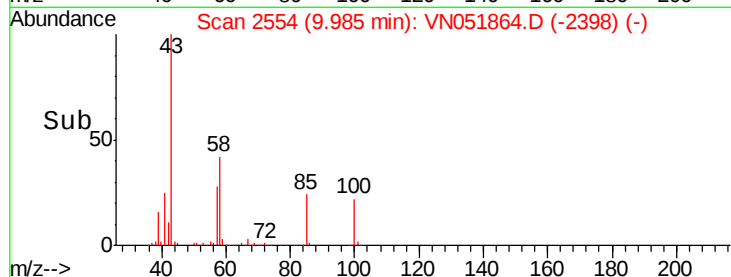
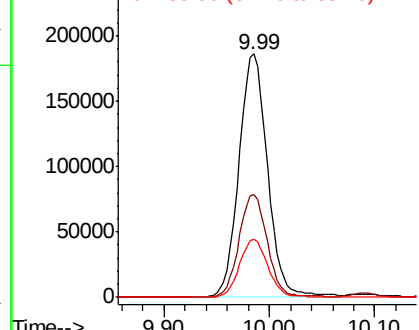
#58
4-Methyl-2-Pentanone
Concen: 89.413 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.7	29.3	43.9
85	23.7	12.6	18.8

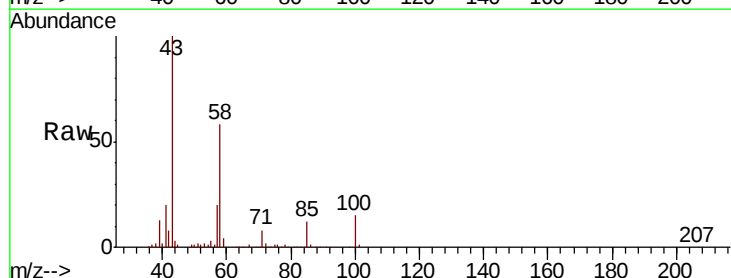


Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO
Ion 85.00 (84.70 to 85.70): VNO

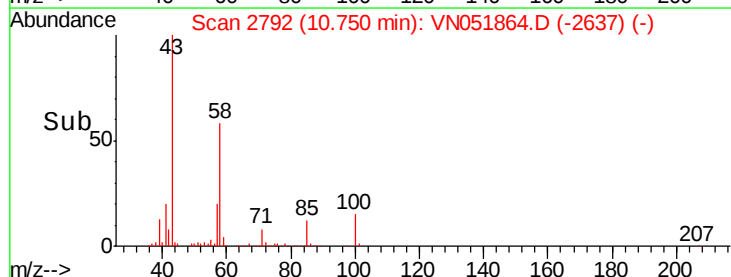
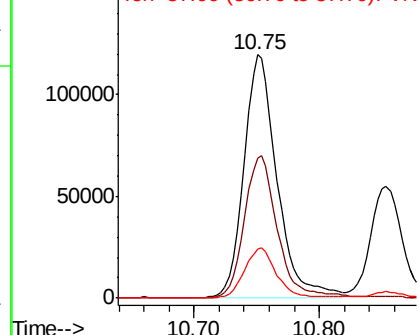


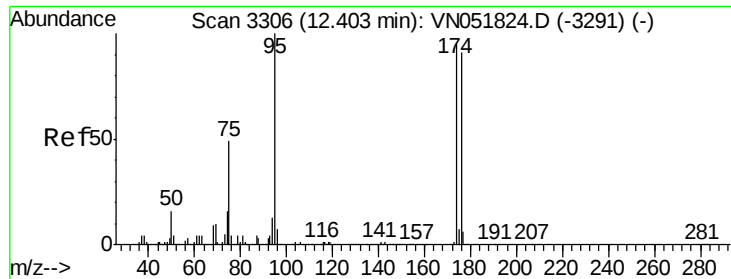
#59
2-Hexanone
Concen: 82.865 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.6	41.3	61.9
57	20.1	13.4	20.0



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

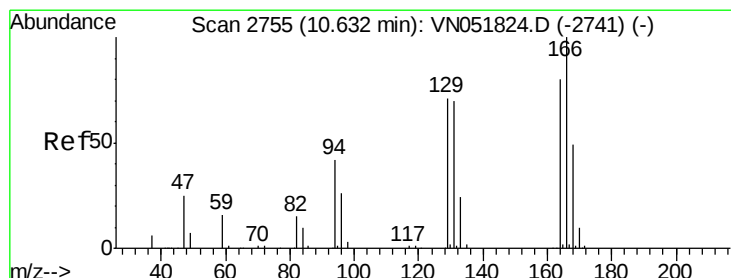
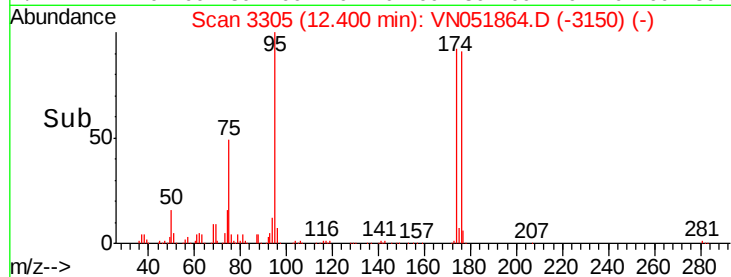
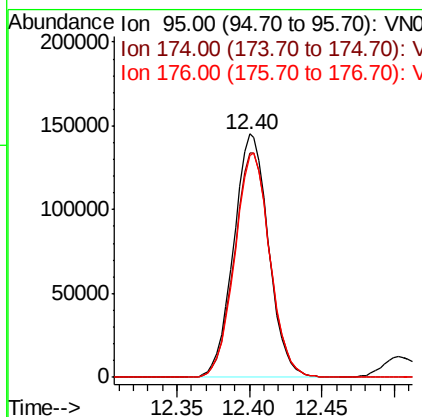
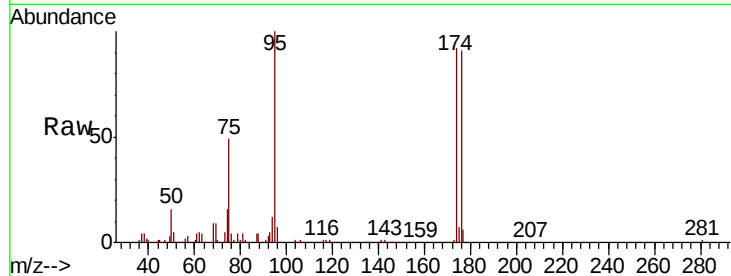




#60
4-Bromofluorobenzene
Concen: 82.865 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

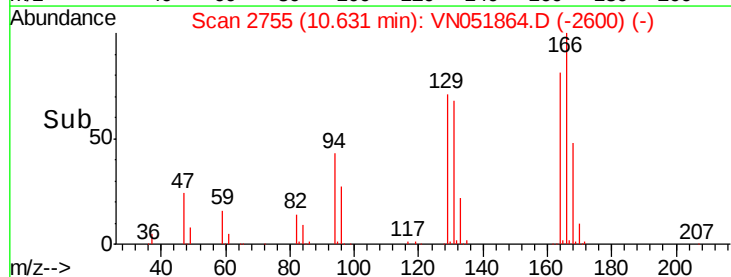
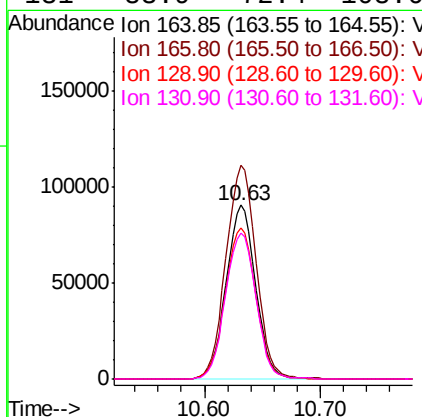
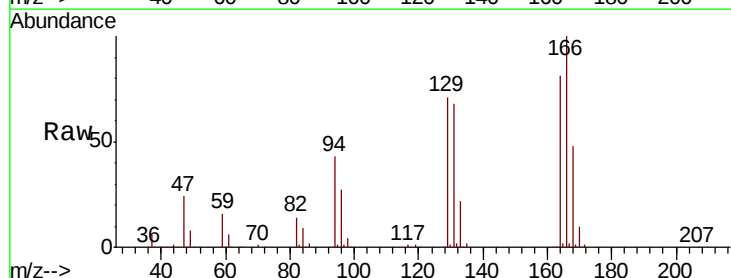
Instrument :
MSVOA_N
ClientSampled :

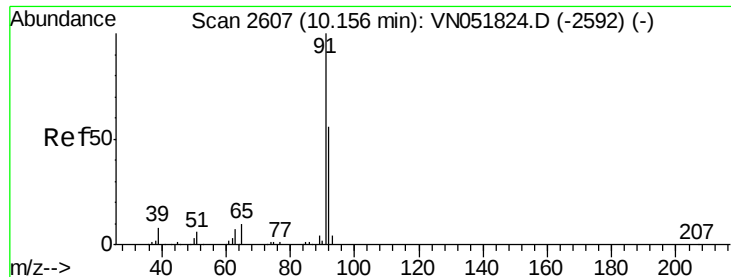
Tot Ion: 95 Resp: 242058
Ion Ratio Lower Upper
95 100
174 93.7 73.5 110.3
176 92.9 70.2 105.2



#61
Tetrachloroethene
Concen: 21.171 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion: 164 Resp: 158349
Ion Ratio Lower Upper
164 100
166 123.0 98.7 148.1
129 87.0 69.6 104.4
131 83.9 72.4 108.6





#62

Toluene

Concen: 19.356 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

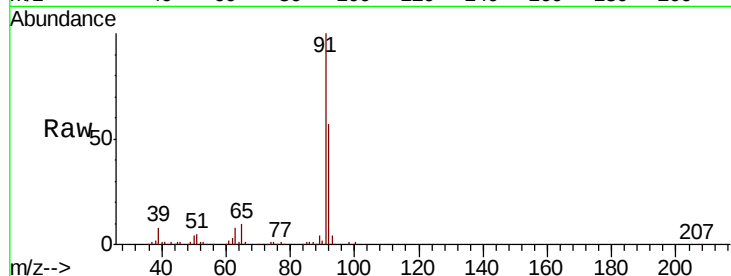
ClientSampleId :

Tot Ion: 91 Resp: 562404

Ion Ratio Lower Upper

91 100

92 56.6 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN051864.D (-2452) (-)

Ion 92.00 (91.70 to 92.70): VN051864.D (-2452) (-)

10.16

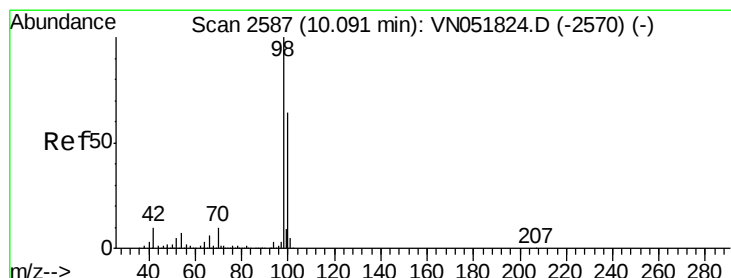
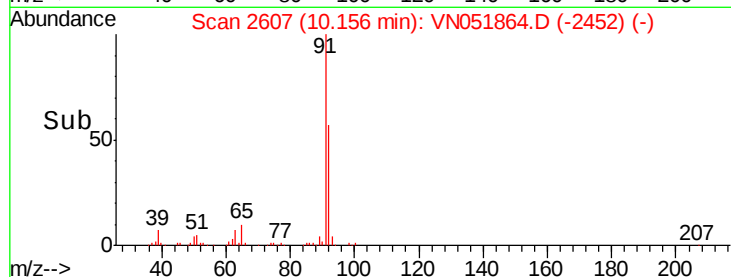
300000

200000

100000

0

Time-->



#63

Toluene-d8

Concen: 19.356 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051864.D

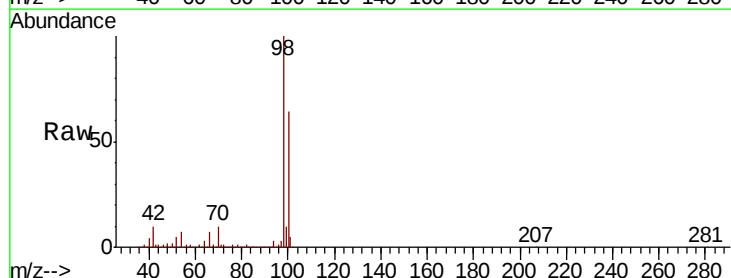
Acq: 15 Oct 2018 10:39

Tgt Ion: 98 Resp: 803985

Ion Ratio Lower Upper

98 100

100 63.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051864.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN051864.D (-2431) (-)

10.09

500000

400000

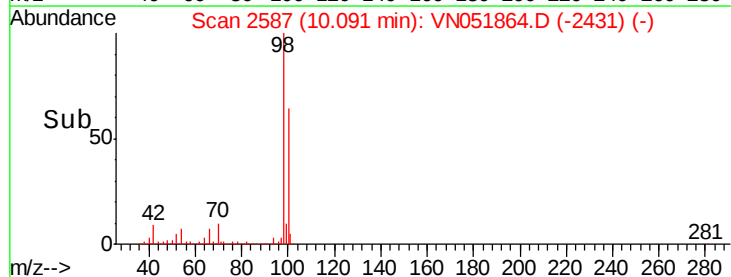
300000

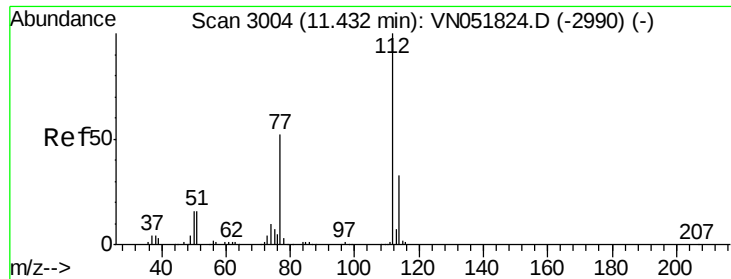
200000

100000

0

Time-->

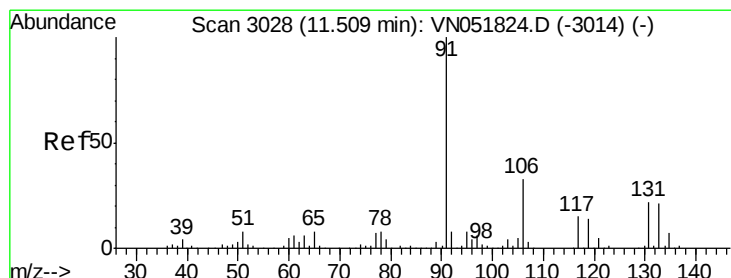
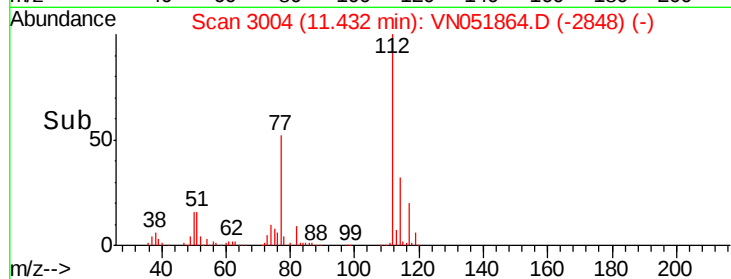
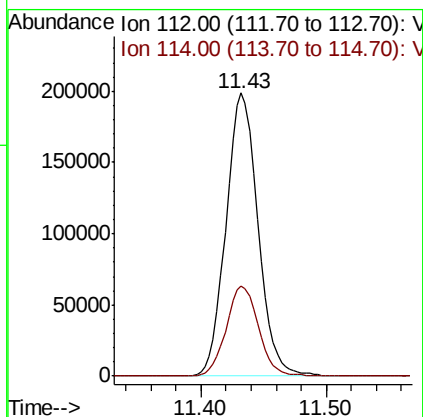
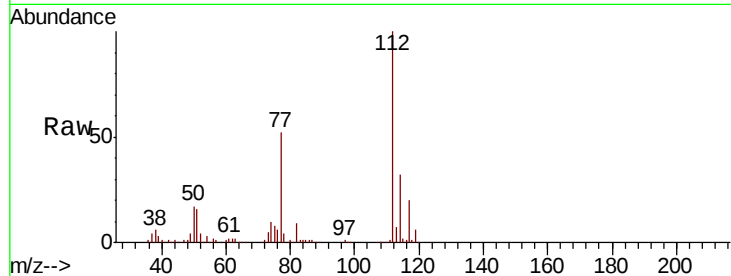




#64
Chlorobenzene
Concen: 18.494 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

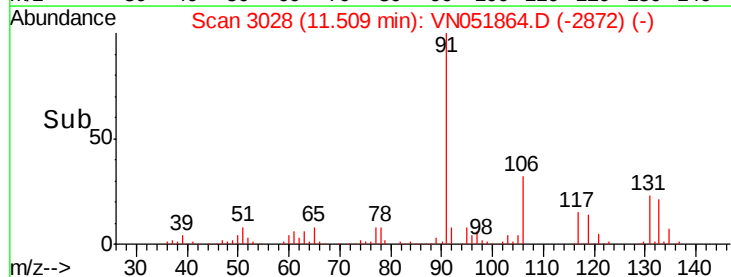
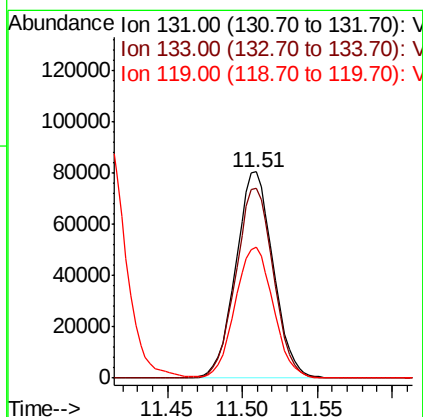
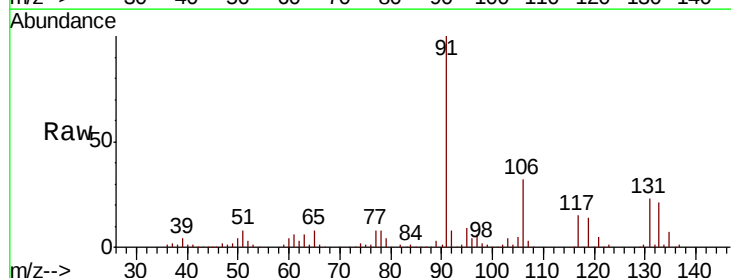
Instrument :
MSVOA_N
ClientSampled :

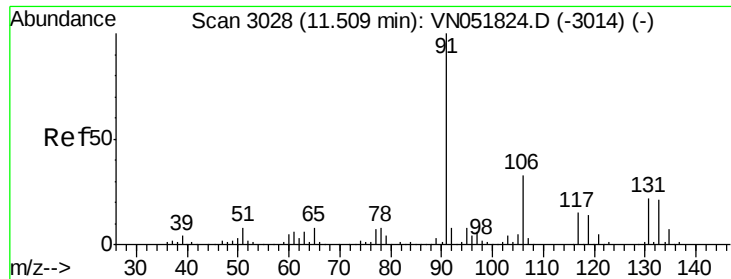
Tot Ion:112 Resp: 351917
Ion Ratio Lower Upper
112 100
114 31.9 27.5 41.3



#65
1,1,1,2-Tetrachloroethane
Concen: 19.248 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion:131 Resp: 140583
Ion Ratio Lower Upper
131 100
133 92.5 0.0 190.4
119 64.5 0.0 128.0





#66

Ethyl Benzene

Concen: 18.658 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

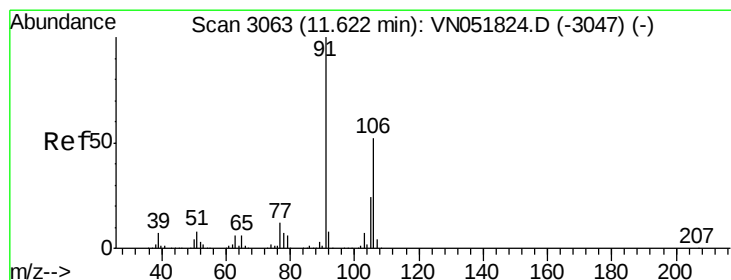
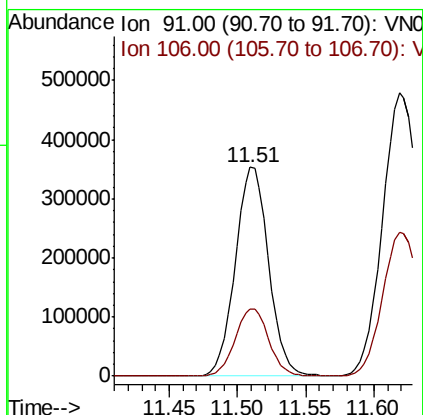
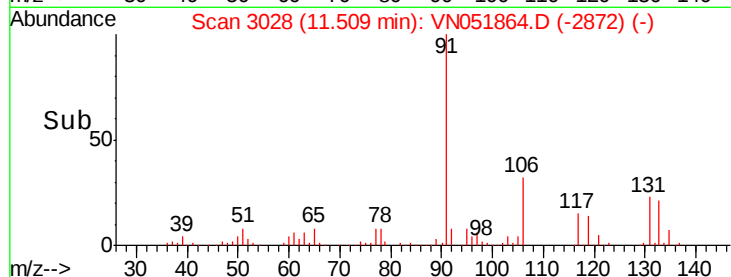
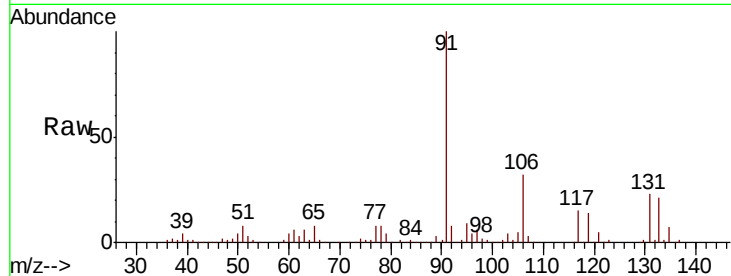
ClientSampled :

Tot Ion: 91 Resp: 599138

Ion Ratio Lower Upper

91 100

106 32.3 25.9 38.9



#67

m/p-Xylenes

Concen: 36.322 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051864.D

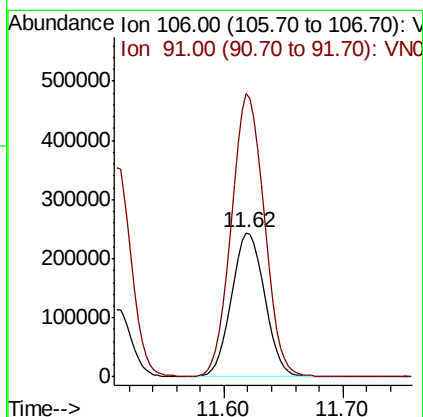
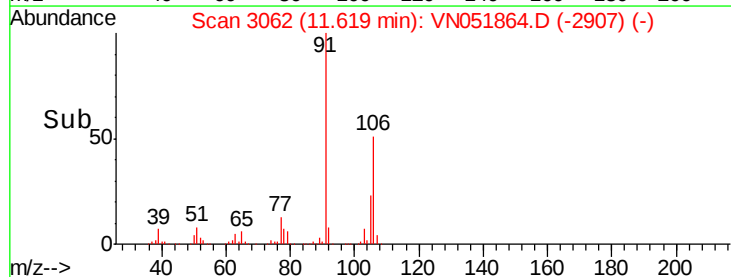
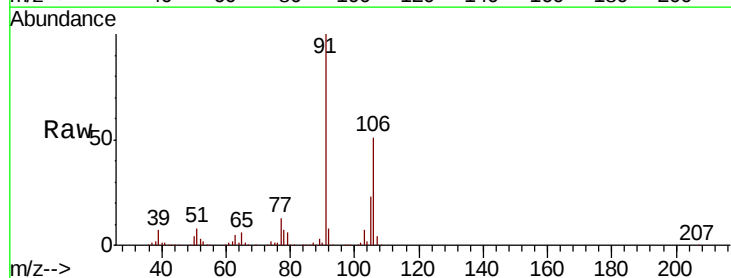
Acq: 15 Oct 2018 10:39

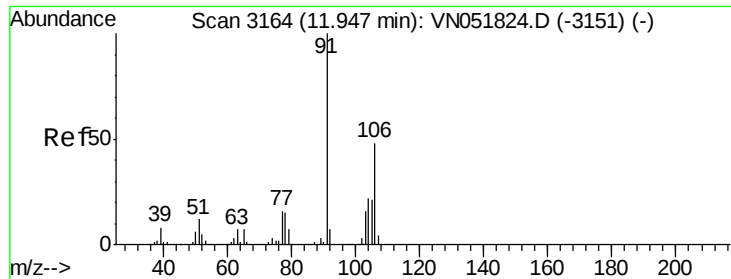
Tgt Ion: 106 Resp: 472867

Ion Ratio Lower Upper

106 100

91 194.6 158.8 238.2

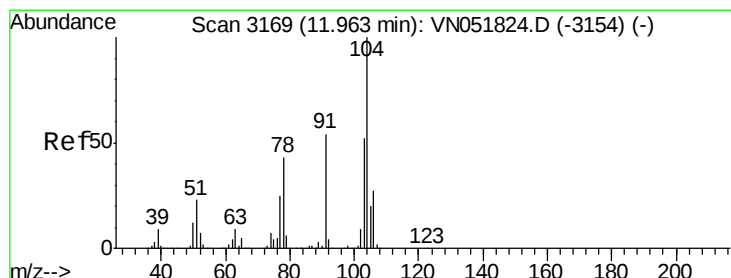
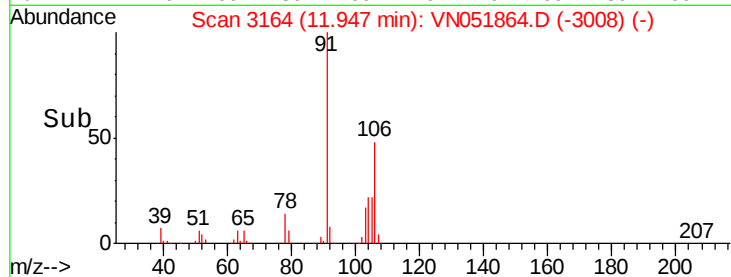
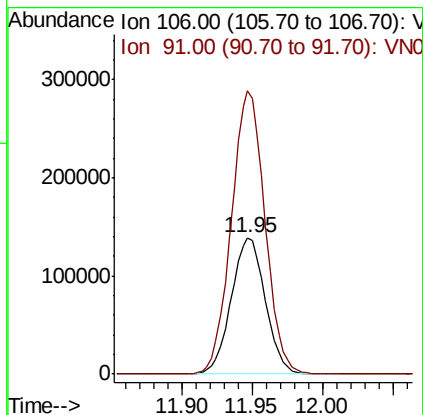
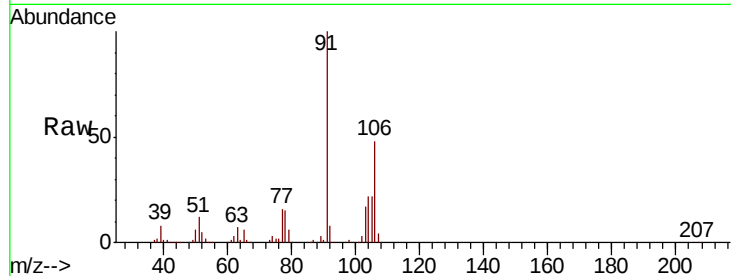




#68
o-Xylene
Concen: 18.285 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

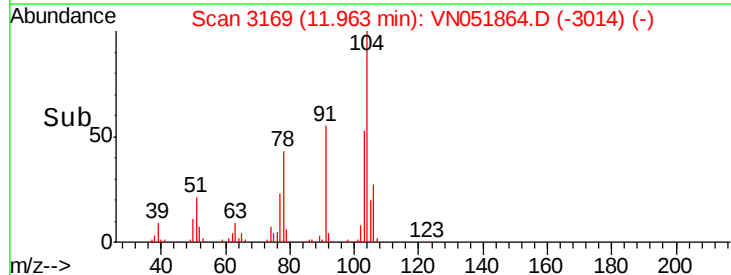
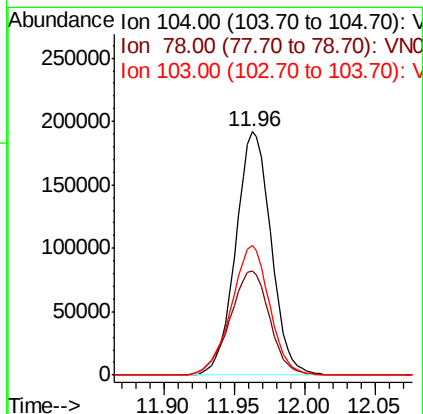
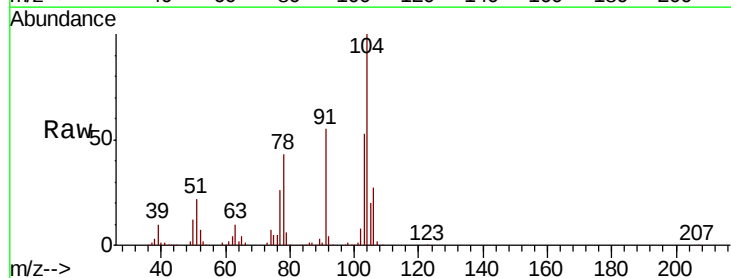
Instrument :
MSVOA_N
ClientSampled :

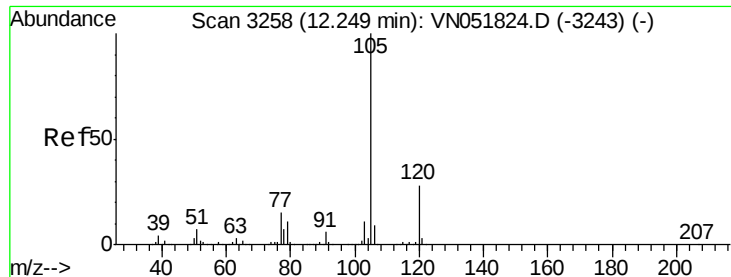
Tot Ion:106 Resp: 234674
Ion Ratio Lower Upper
106 100
91 204.5 111.1 333.3



#69
Styrene
Concen: 17.151 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion:104 Resp: 337739
Ion Ratio Lower Upper
104 100
78 48.1 40.6 60.8
103 57.5 44.0 66.0





#70

Isopropylbenzene

Concen: 18.160 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

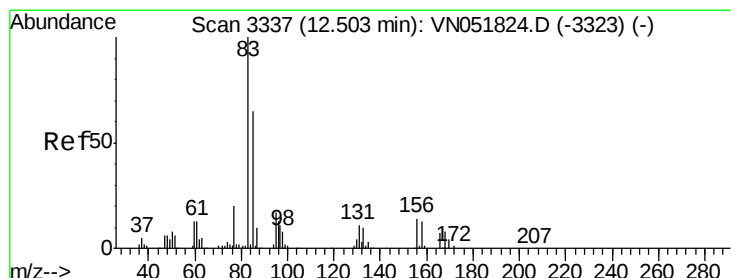
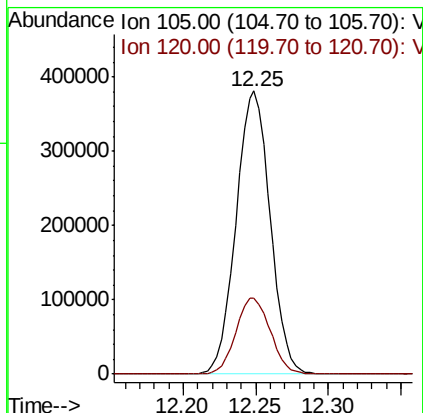
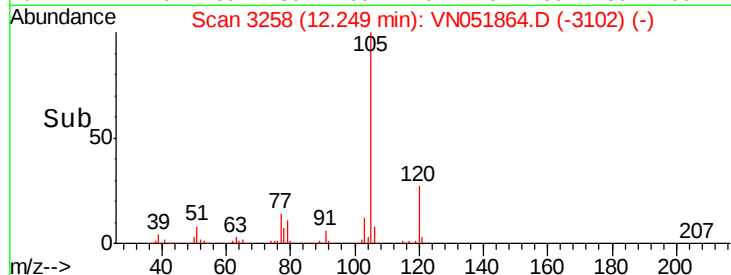
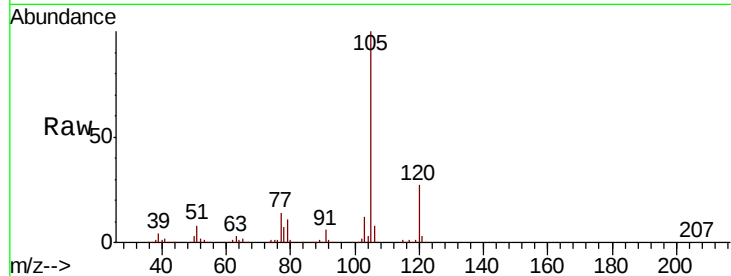
ClientSampleId :

Tot Ion:105 Resp: 621537

Ion Ratio Lower Upper

105 100

120 27.1 19.0 35.4



#71

1,1,2,2-Tetrachloroethane

Concen: 17.159 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

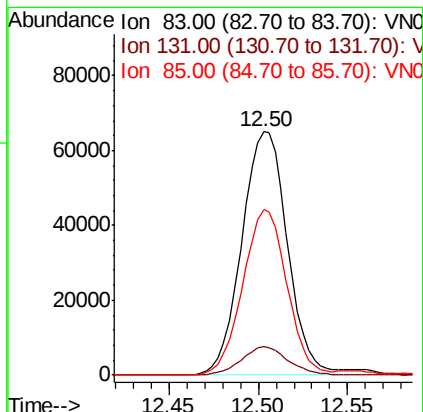
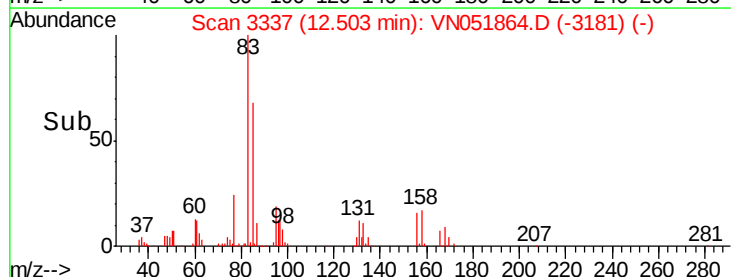
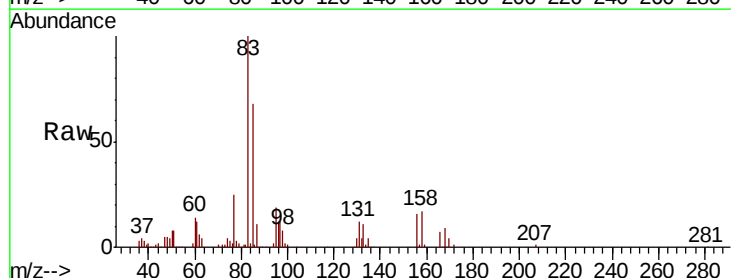
Tgt Ion: 83 Resp: 115976

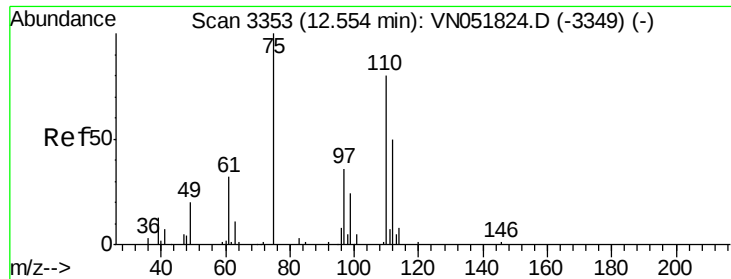
Ion Ratio Lower Upper

83 100

131 12.0 5.5 16.4

85 65.6 30.6 91.8





#72

1,2,3-Trichloropropane

Concen: 25.892 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

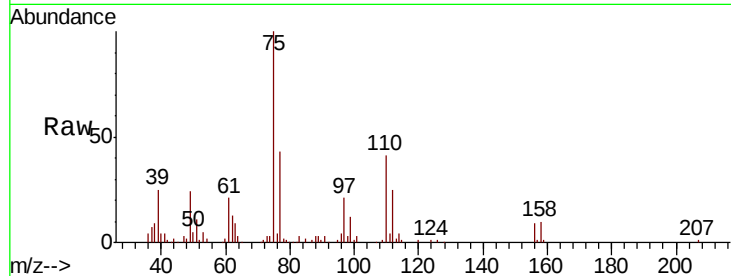
ClientSampled :

Tot Ion: 75 Resp: 137671

Ion Ratio Lower Upper

75 100

77 164.2 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN051824.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN051824.D (-3349) (-)

120000

100000

80000

60000

40000

20000

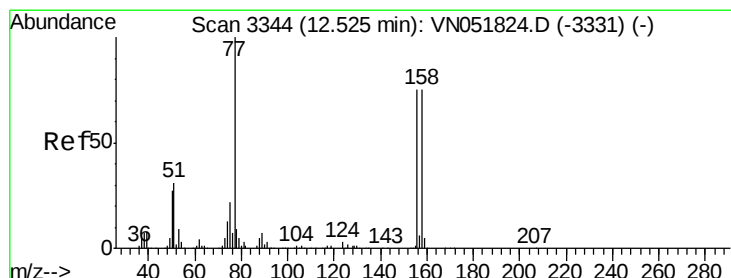
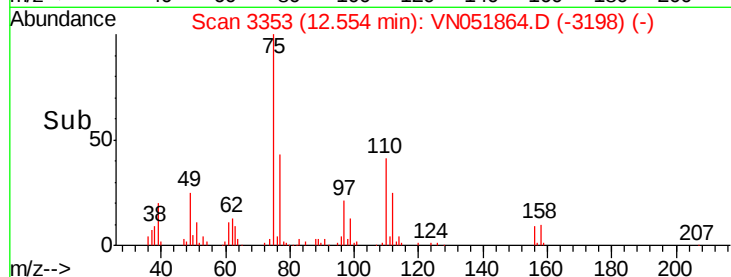
0

12.50

12.55

12.60

Time-->



#73

Bromobenzene

Concen: 17.461 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

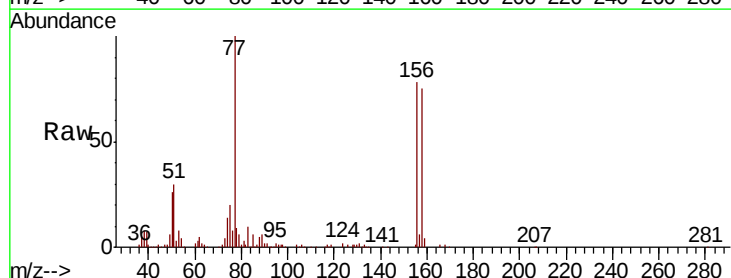
Tgt Ion: 156 Resp: 148027

Ion Ratio Lower Upper

156 100

77 152.7 0.0 377.4

158 97.4 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): VN051824.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN051824.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN051824.D (-3331) (-)

150000

100000

50000

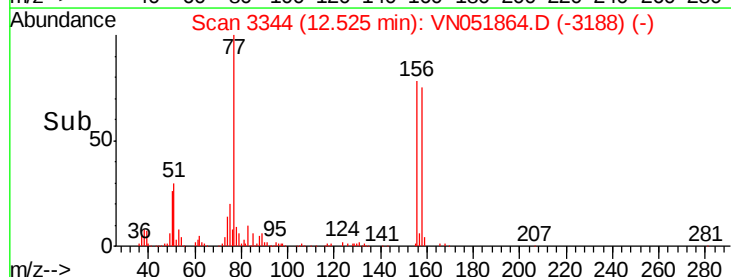
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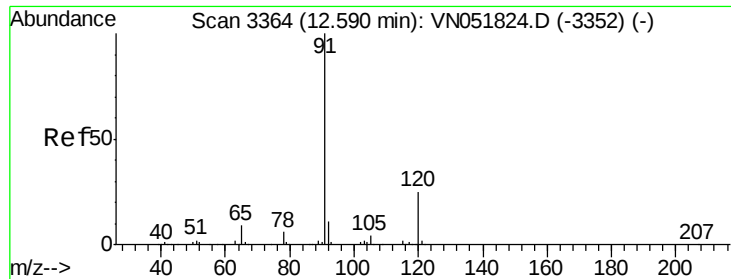
12.45

12.50

12.55

Time-->





#74

n-propylbenzene

Concen: 17.799 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

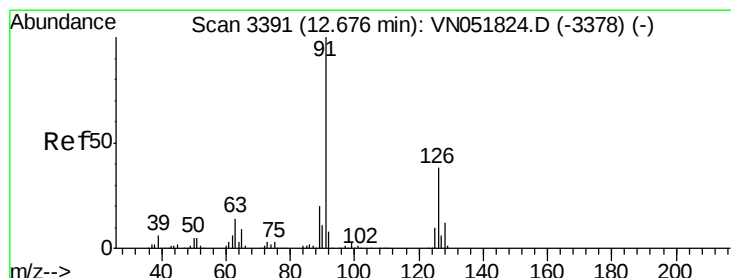
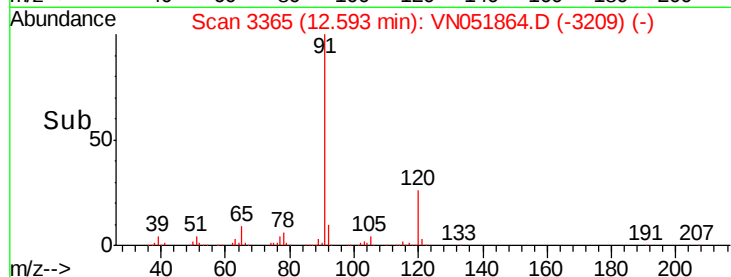
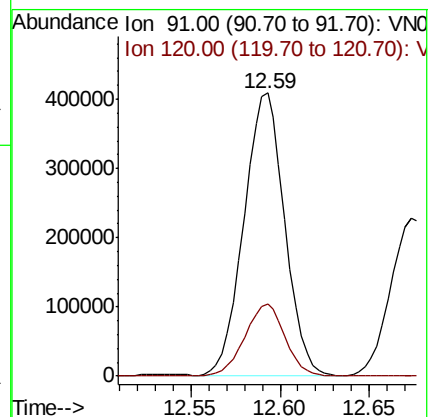
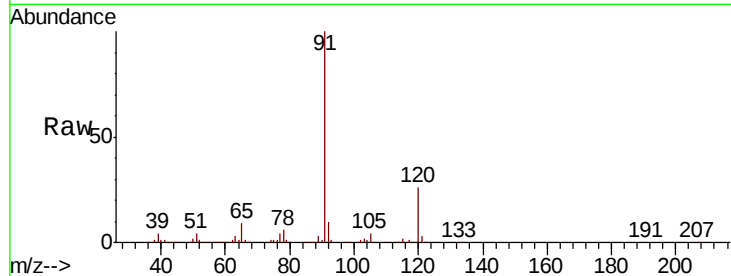
ClientSampled :

Tot Ion: 91 Resp: 655250

Ion Ratio Lower Upper

91 100

120 25.0 0.0 45.0



#75

2-Chlorotoluene

Concen: 18.107 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051864.D

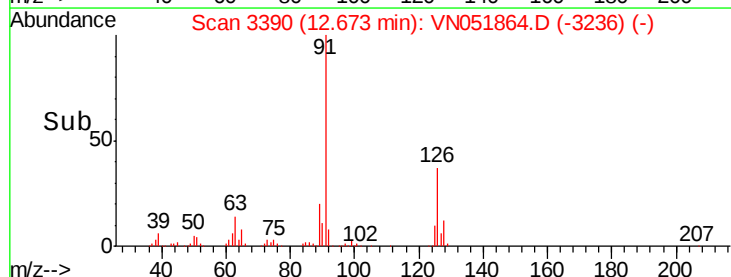
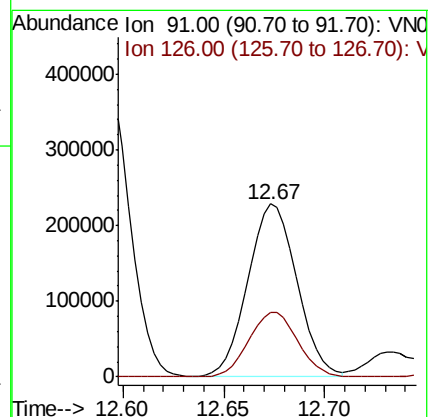
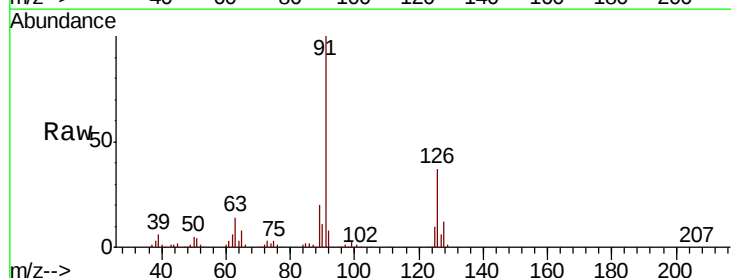
Acq: 15 Oct 2018 10:39

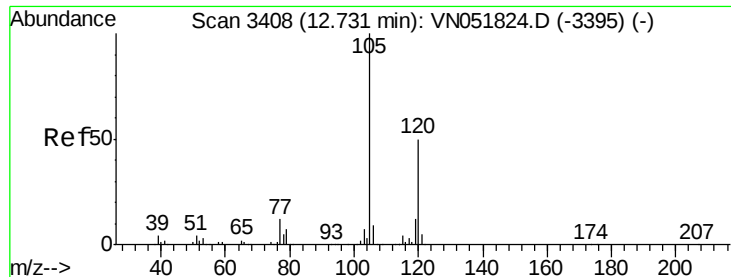
Tgt Ion: 91 Resp: 390792

Ion Ratio Lower Upper

91 100

126 37.2 0.0 67.6





#76

1,3,5-Trimethylbenzene

Concen: 17.778 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

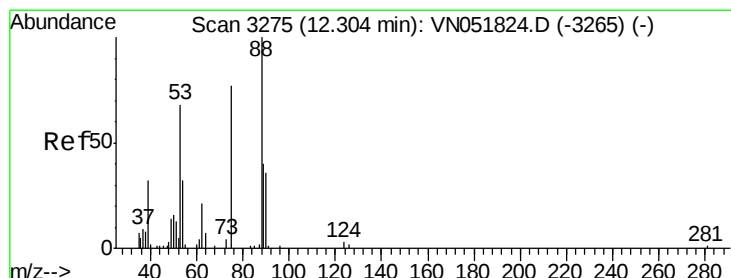
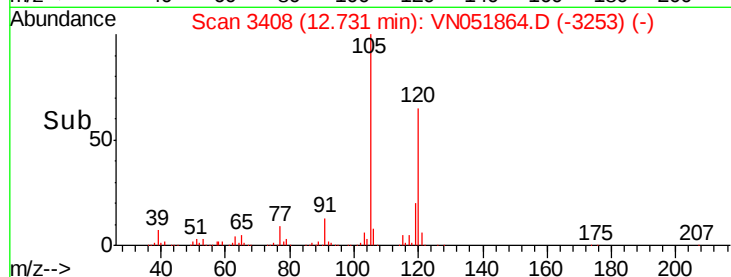
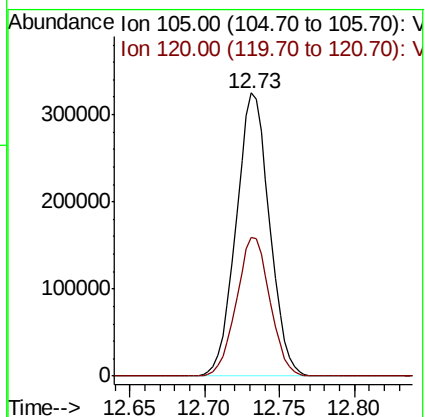
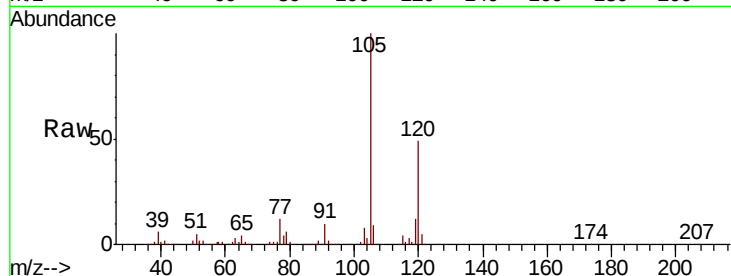
ClientSampled :

Tot Ion:105 Resp: 503155

Ion Ratio Lower Upper

105 100

120 49.6 0.0 98.2



#77

t-1,4-Dichloro-2-butene

Concen: 14.447 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

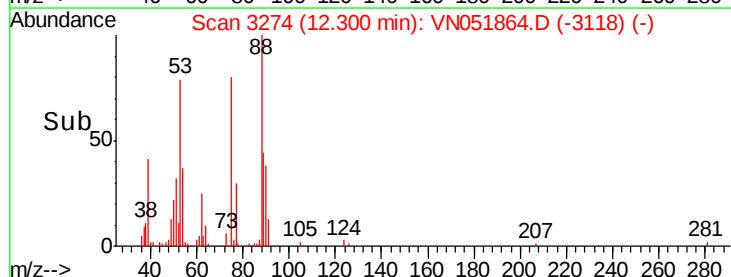
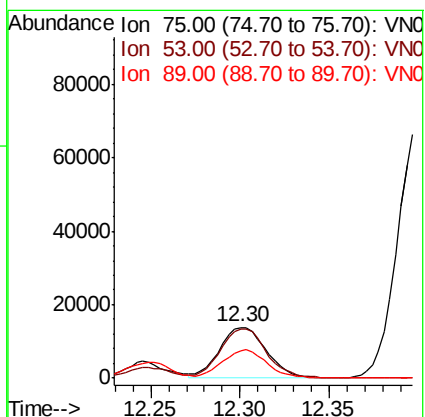
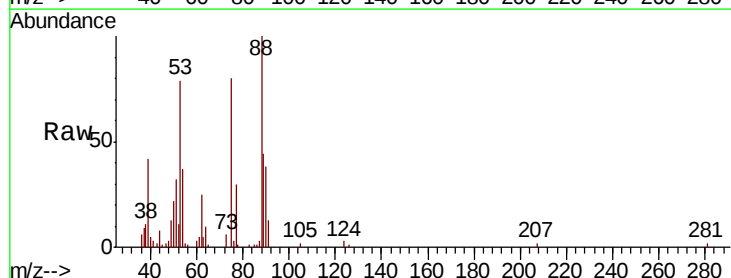
Tgt Ion: 75 Resp: 25406

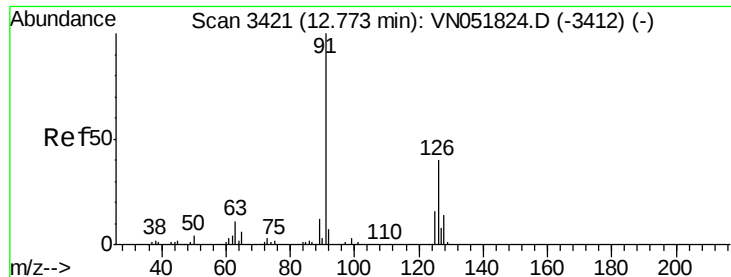
Ion Ratio Lower Upper

75 100

53 95.8 46.3 138.9

89 54.7 24.6 73.8

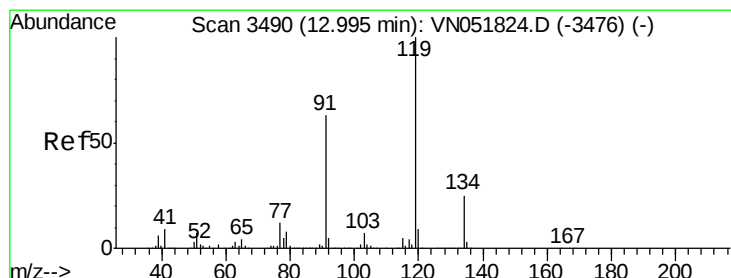
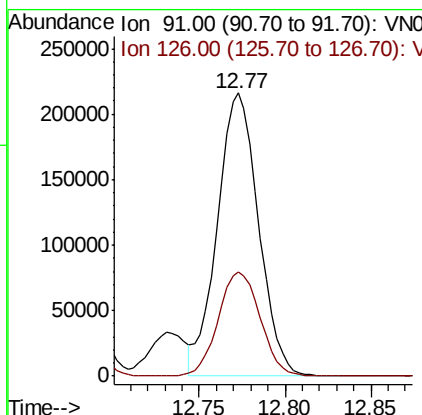
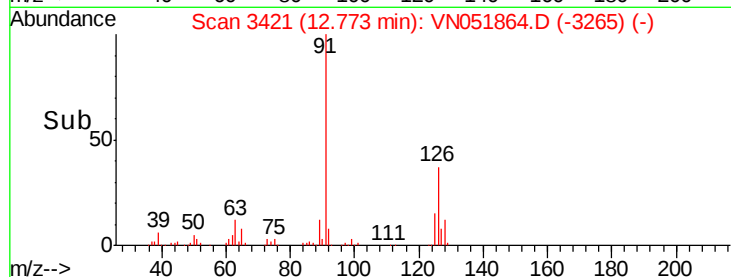
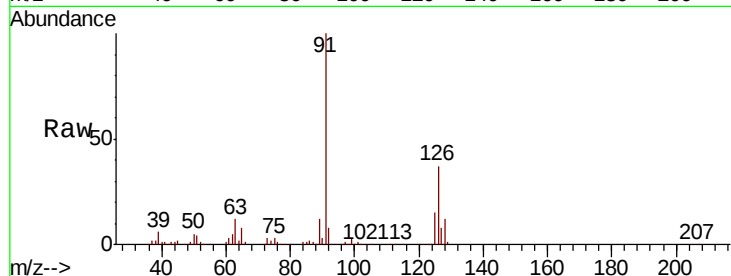




#78
4-Chlorotoluene
Concen: 16.982 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

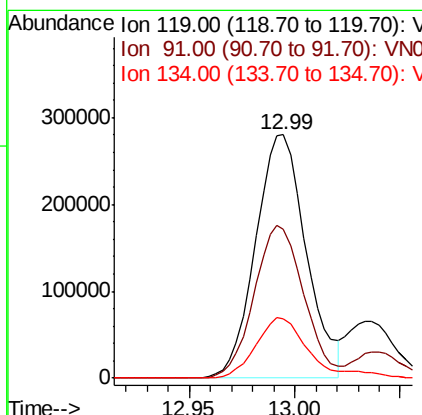
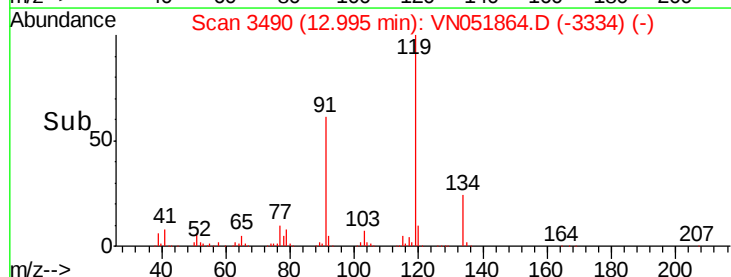
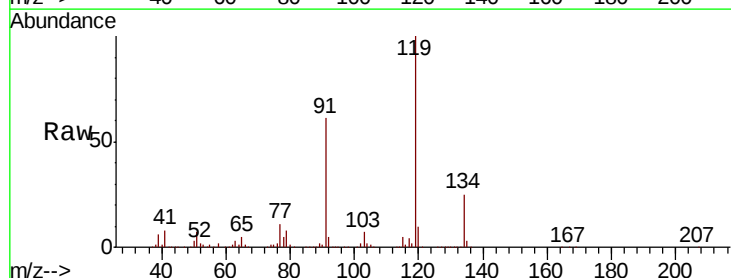
Instrument :
MSVOA_N
ClientSampled :

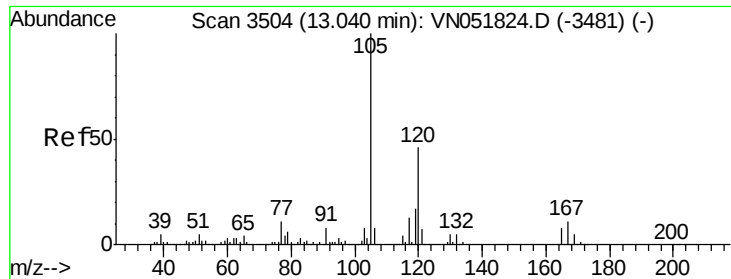
Tot Ion: 91 Resp: 360105
Ion Ratio Lower Upper
91 100
126 37.6 0.0 65.2



#79
tert-butylbenzene
Concen: 18.033 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion: 119 Resp: 469344
Ion Ratio Lower Upper
119 100
91 61.2 0.0 131.6
134 24.4 0.0 46.2

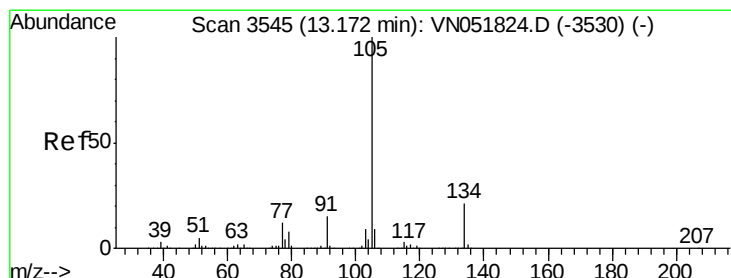
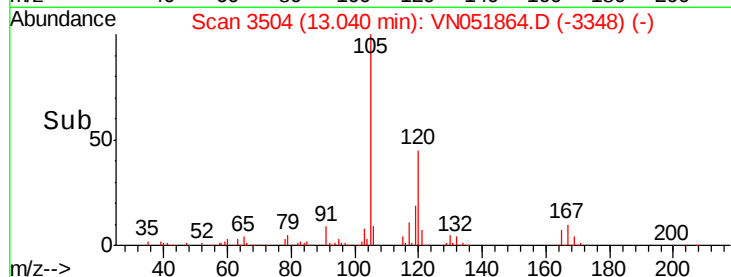
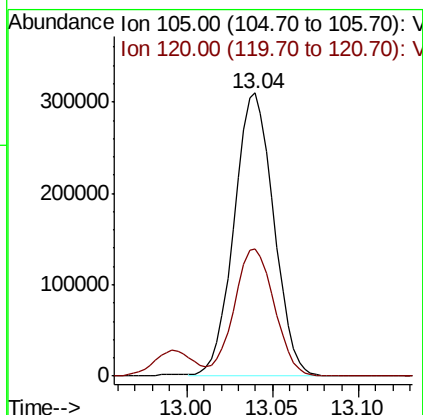
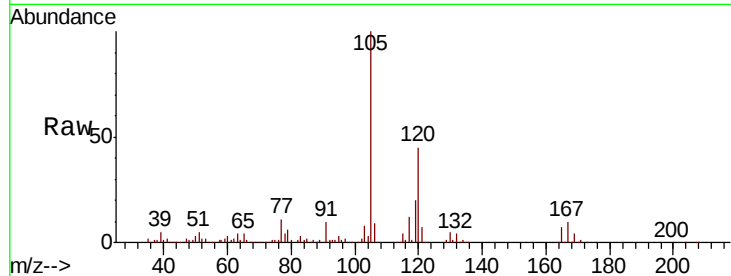




#80
 1,2,4-Trimethylbenzene
 Concen: 17.643 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

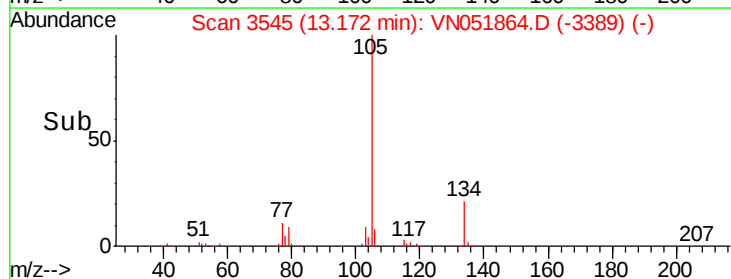
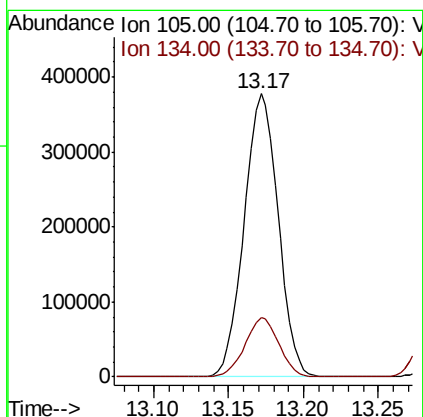
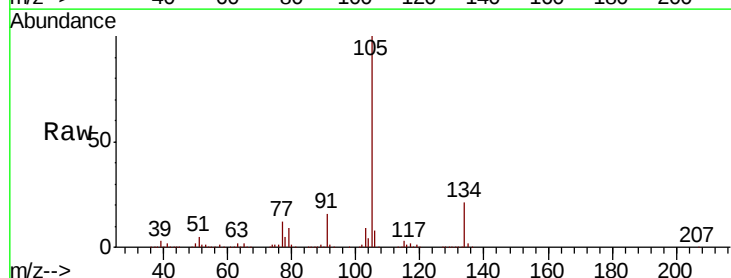
Instrument :
 MSVOA_N
 ClientSampled :

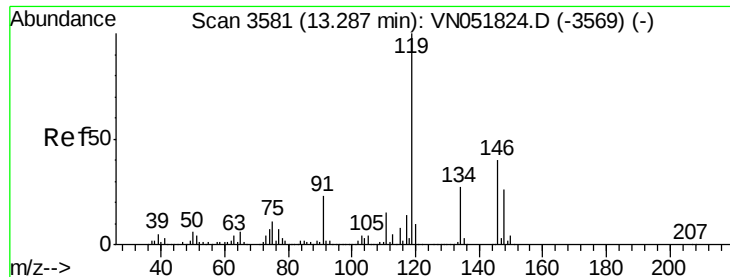
Tot Ion:105 Resp: 499033
 Ion Ratio Lower Upper
 105 100
 120 45.6 0.0 89.6



#81
 sec-Butylbenzene
 Concen: 17.607 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion:105 Resp: 599500
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 39.4

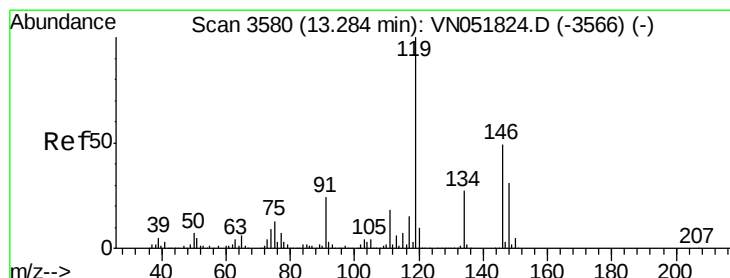
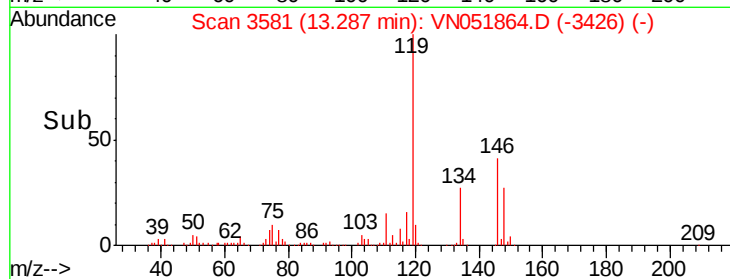
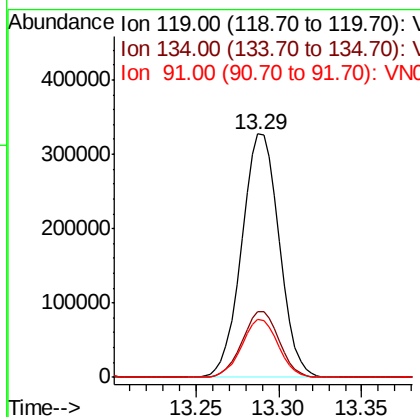
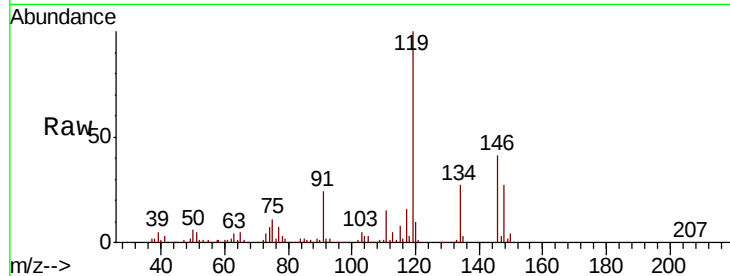




#82
 p-Isopropyltoluene
 Concen: 16.929 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

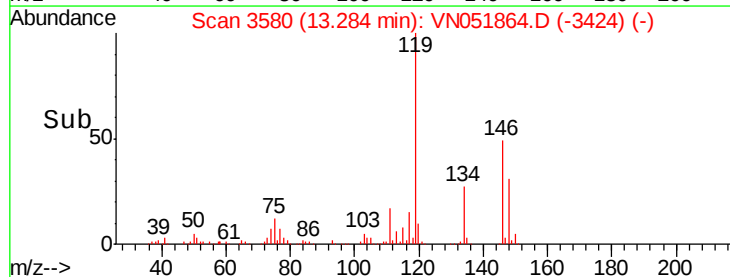
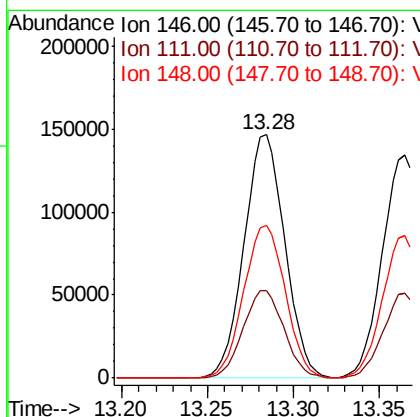
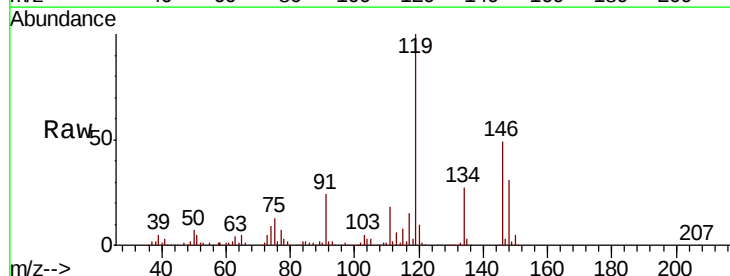
Instrument :
 MSVOA_N
 ClientSampleId :

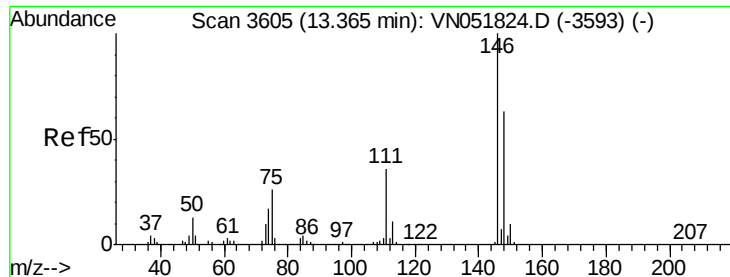
Tot Ion:119 Resp: 515800
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 53.6
 91 23.2 0.0 52.0



#83
 1,3-Dichlorobenzene
 Concen: 16.196 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion:146 Resp: 242269
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.1 54.3
 148 64.0 31.3 93.8





#84

1,4-Dichlorobenzene

Concen: 15.816 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

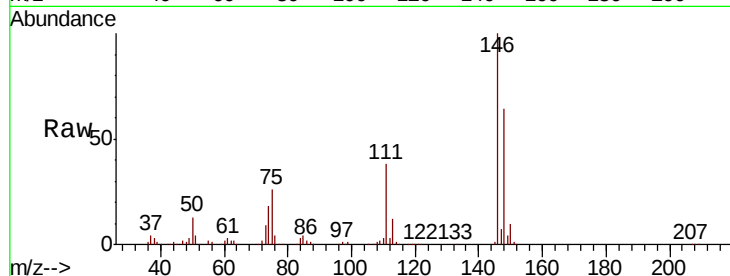
Tot Ion:146 Resp: 222726

Ion Ratio Lower Upper

146 100

111 36.7 17.4 52.2

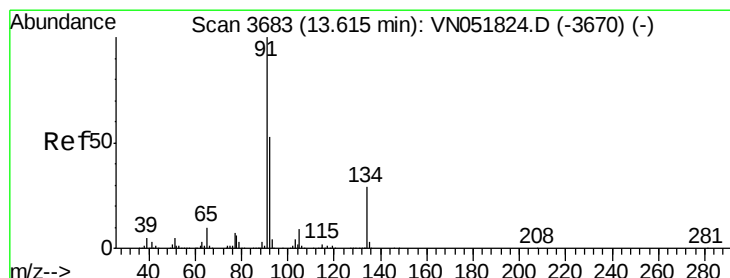
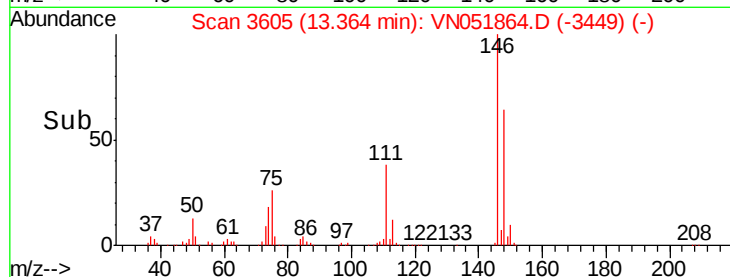
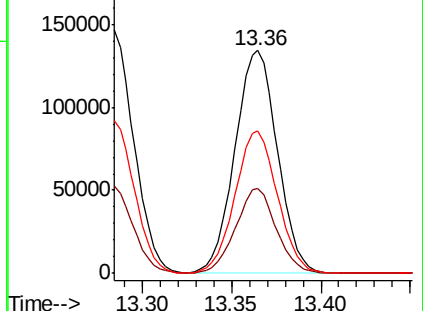
148 63.8 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 16.041 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

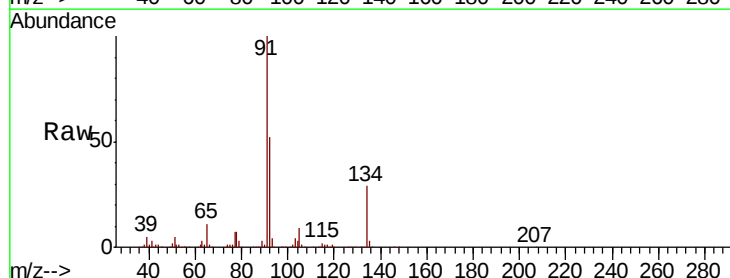
Tgt Ion: 91 Resp: 368548

Ion Ratio Lower Upper

91 100

92 51.8 0.0 97.4

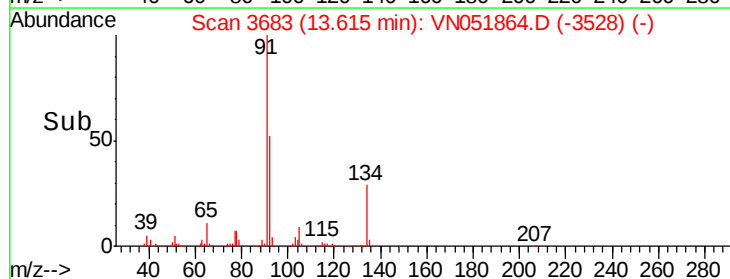
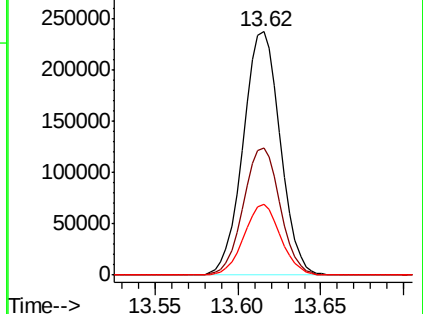
134 28.5 0.0 49.6

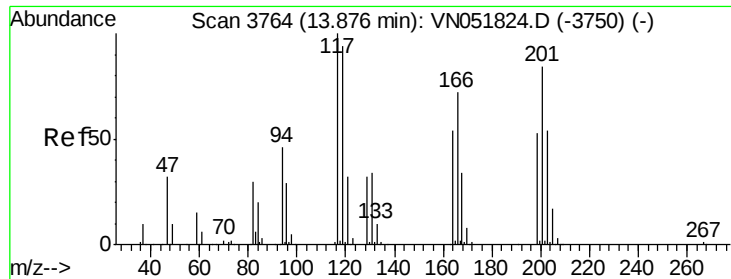


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 16.977 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

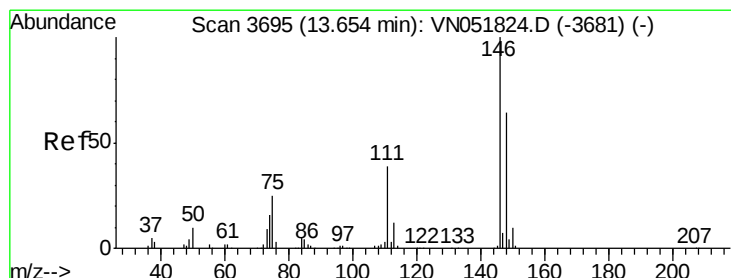
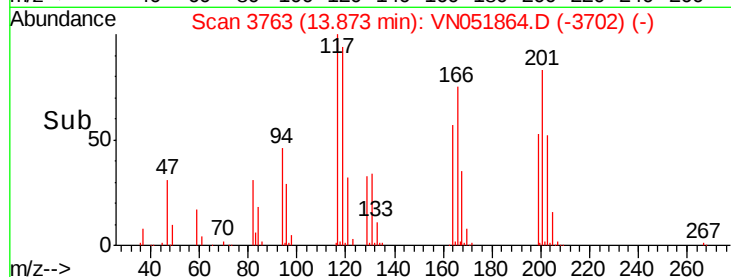
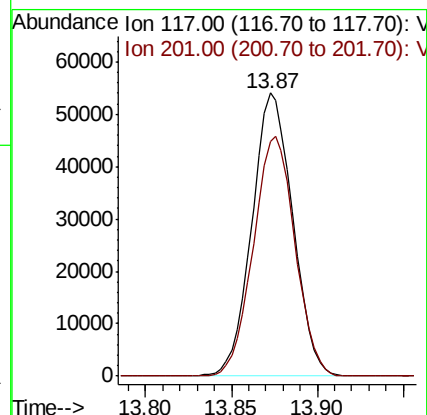
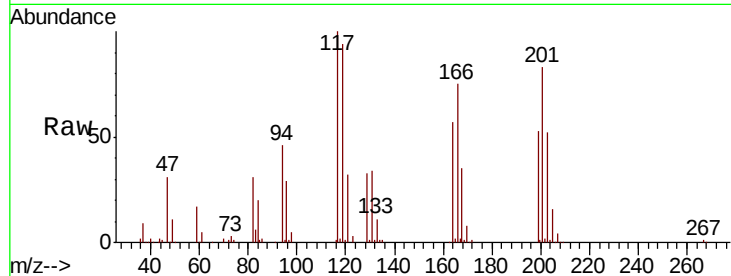
ClientSampleId :

Tot Ion:117 Resp: 89186

Ion Ratio Lower Upper

117 100

201 86.2 47.8 143.3



#87

1,2-Dichlorobenzene

Concen: 16.850 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

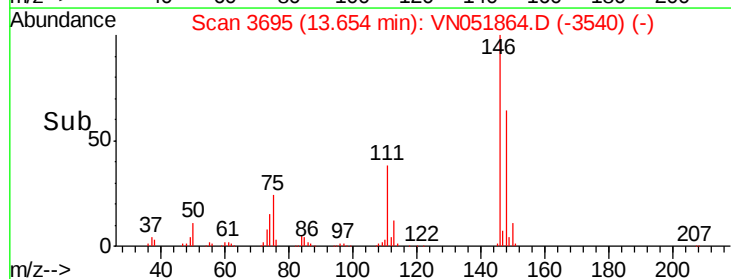
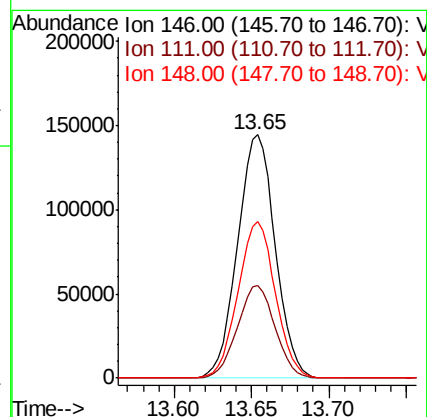
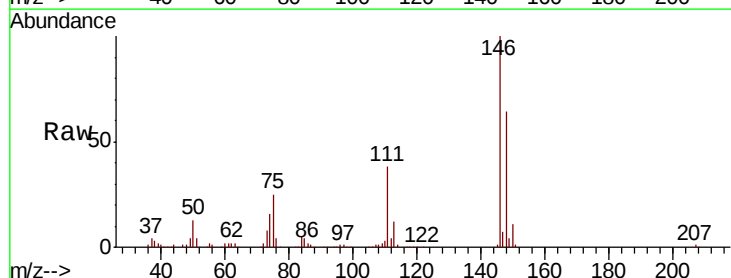
Tgt Ion:146 Resp: 244018

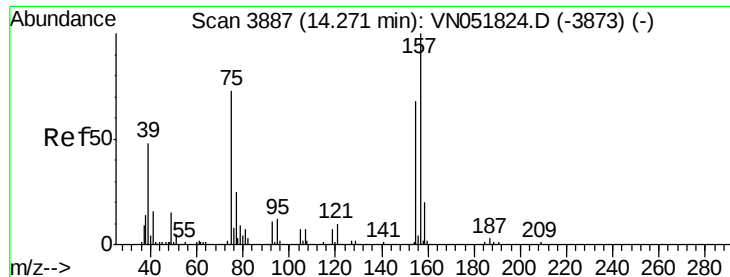
Ion Ratio Lower Upper

146 100

111 37.9 20.8 62.2

148 63.9 33.2 99.6





#88

1,2-Dibromo-3-Chloropropane

Concen: 15.263 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampled :

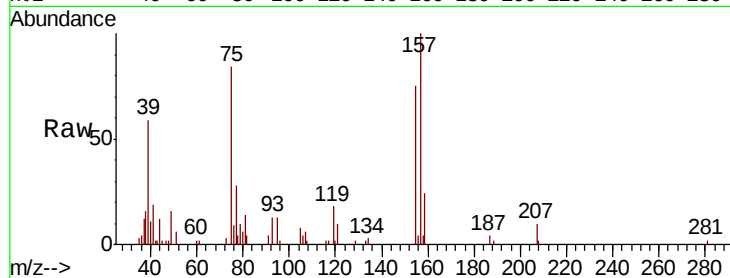
Tot Ion: 75 Resp: 15406

Ion Ratio Lower Upper

75 100

155 96.2 57.0 85.6#

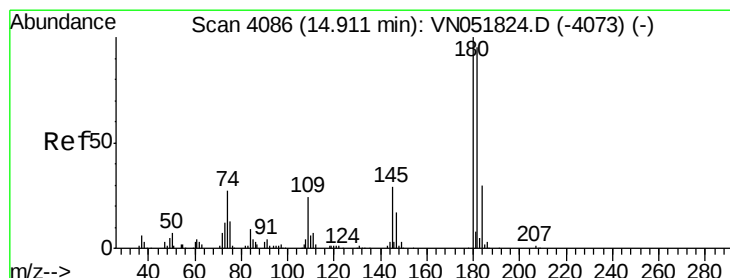
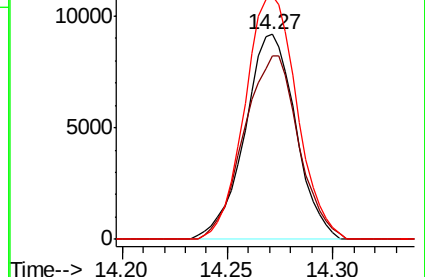
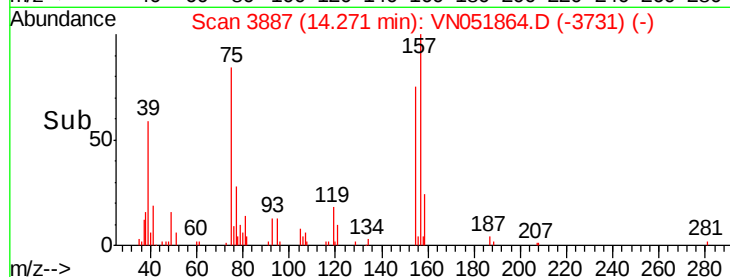
157 121.8 87.4 131.0



Abundance Ion 75.00 (74.70 to 75.70): VN051864.D (-3731) (-)

Ion 155.00 (154.70 to 155.70): VN051864.D (-3731) (-)

Ion 157.00 (156.70 to 157.70): VN051864.D (-3731) (-)



#89

1,2,4-Trichlorobenzene

Concen: 15.984 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

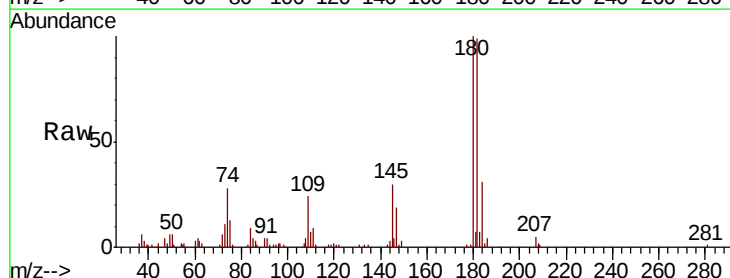
Tgt Ion:180 Resp: 78919

Ion Ratio Lower Upper

180 100

182 95.6 77.7 116.5

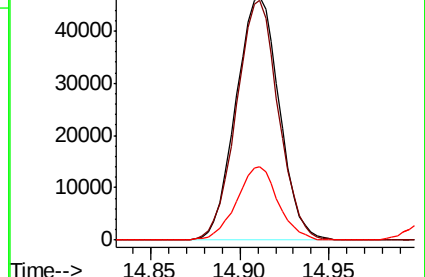
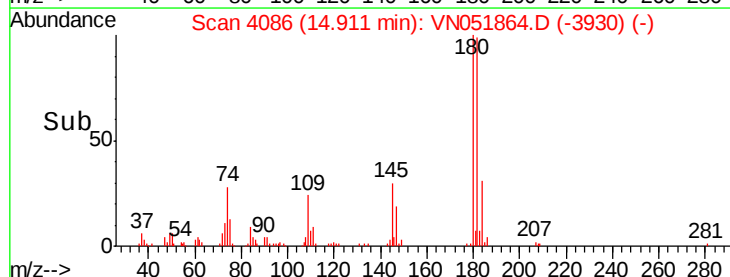
145 29.0 23.4 35.2

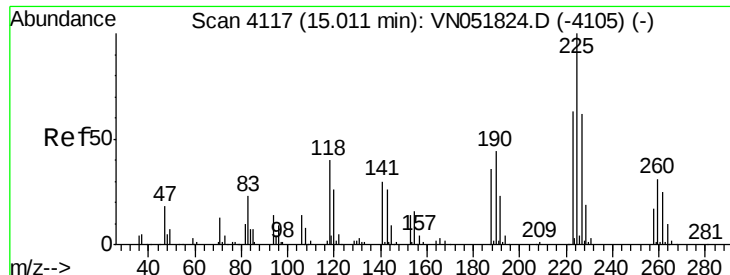


Abundance Ion 180.00 (179.70 to 180.70): VN051864.D (-3930) (-)

Ion 182.00 (181.70 to 182.70): VN051864.D (-3930) (-)

Ion 145.00 (144.70 to 145.70): VN051864.D (-3930) (-)





#90

Hexachlorobutadiene

Concen: 17.924 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

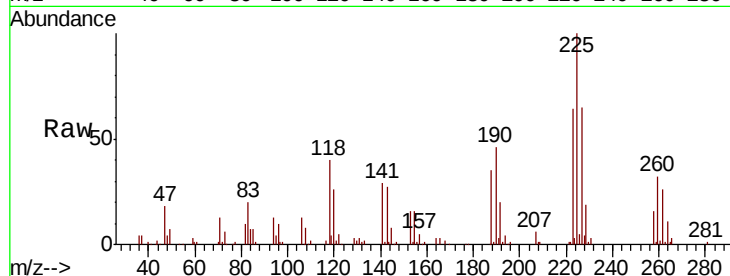
Tot Ion:225 Resp: 83649

Ion Ratio Lower Upper

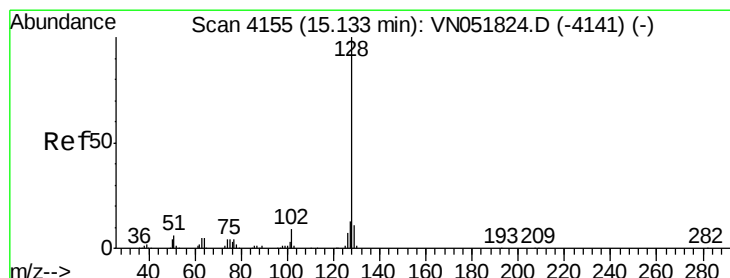
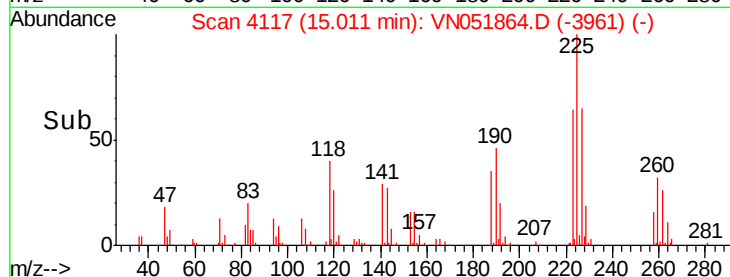
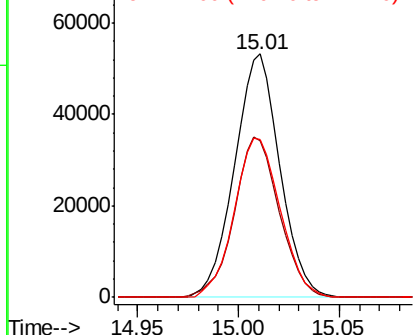
225 100

223 65.4 0.0 117.0

227 66.6 0.0 127.0



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 15.921 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

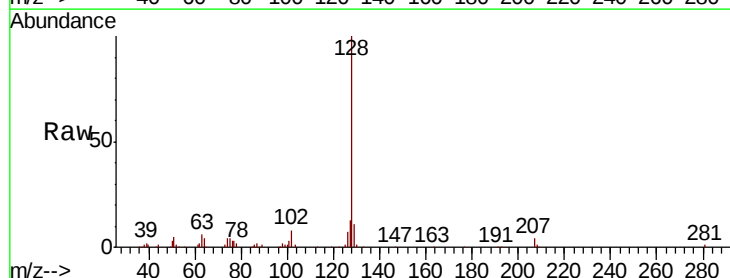
Tgt Ion:128 Resp: 146325

Ion Ratio Lower Upper

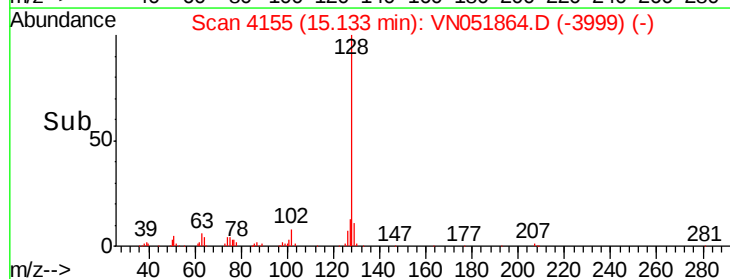
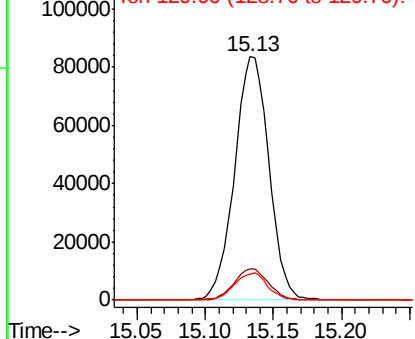
128 100

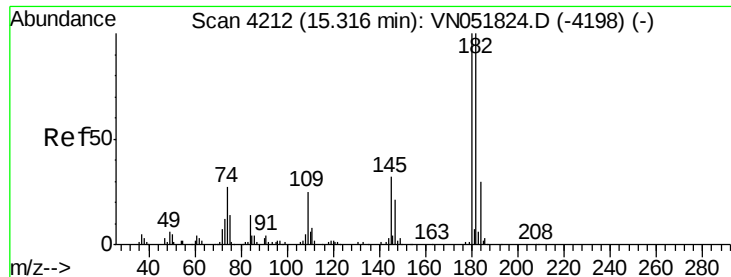
127 12.8 10.1 15.1

129 10.8 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

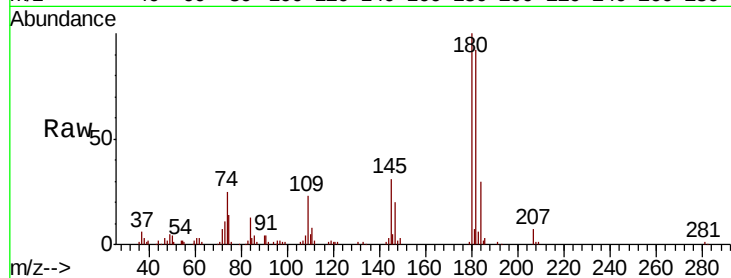




#92
 1,2,3-Trichlorobenzene
 Concen: 13.456 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	0.0	198.0
145	31.4	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

