

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051482.D
 Acq On : 25 Sep 2018 14:02
 Operator : MD\SY
 Sample : VN0925WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Quant Time: Sep 26 02:09:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	70136	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	386494	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	328500	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	154231	31.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.50%
60) 4-Bromofluorobenzene	12.40	95	141736	29.39	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.97%
63) Toluene-d8	10.09	98	485968	30.85	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	46311	15.417	ug/l 98
3) Chloromethane	2.06	50	90011	17.428	ug/l 98
4) Vinyl Chloride	2.18	62	93345	16.938	ug/l 98
5) Bromomethane	2.57	94	75955	21.088	ug/l 92
6) Chloroethane	2.71	64	58950	17.354	ug/l 99
7) Trichlorofluoromethane	3.01	101	127270	17.792	ug/l 97
8) Diethyl Ether	3.41	74	35019	16.283	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	66402	18.280	ug/l # 42
10) 1,1-Dichloroethene	3.74	96	58675	17.733	ug/l 95
11) Methyl Iodide	3.95	142	73233	15.010	ug/l 95
12) Methyl Acetate	4.33	43	55047	18.929	ug/l # 87
13) Acrolein	3.61	56	35701	92.064	ug/l 90
14) Acrylonitrile	5.00	53	104962	88.851	ug/l # 45
15) Acetone	3.82	58	28122	96.657	ug/l 95
16) Carbon Disulfide	4.05	76	179311	17.086	ug/l 96
17) Allyl chloride	4.33	41	104341	17.864	ug/l 97
18) Methylene Chloride	4.55	84	75128	19.013	ug/l 92
19) trans-1,2-Dichloroethene	5.05	96	64590	18.033	ug/l 94
20) Diisopropyl ether	5.96	45	212693	18.339	ug/l # 86
21) 1,1-Dichloroethane	5.85	63	131123	18.770	ug/l # 94
22) cis-1,2-Dichloroethene	6.83	96	71309	17.792	ug/l # 89
23) tert-Butyl Alcohol	4.80	59	20667	92.902	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	161507	17.922	ug/l # 60
25) Chloroform	7.38	83	131483	18.870	ug/l 94
26) Cyclohexane	7.65	56	101892	17.132	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	93714	17.221	ug/l 99
30) 2-Butanone	6.84	43	119961	85.340	ug/l # 98
31) 2,2-Dichloropropane	6.83	77	105570	18.187	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	109737	17.664	ug/l 99
33) Carbon Tetrachloride	7.77	117	99572	17.467	ug/l 96
34) Benzene	8.04	78	287203	17.776	ug/l # 71
35) Methacrylonitrile	7.17	41	22757	11.234	ug/l 87
36) 1,2-Dichloroethane	8.13	62	91766	17.443	ug/l 100
37) Trichloroethene	8.84	130	73044	17.058	ug/l 97
38) Methylcyclohexane	9.08	83	99618	15.791	ug/l 95
39) 1,2-Dichloropropane	9.12	63	79024	17.980	ug/l 100
40) Dibromomethane	9.21	93	45104	18.030	ug/l 98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Quant Time: Sep 26 02:09:07 2018
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	94325	17.150	ug/l	94
42) Vinyl Acetate	5.90	43	660821	84.543	ug/l	99
43) Ethyl Acetate	6.93	43	52807	18.055	ug/l	99
44) Isopropyl Acetate	8.17	43	98135	17.446	ug/l	95
45) 1,4-Dioxane	9.20	88	11289	329.873	ug/l	95
46) Methyl methacrylate	9.20	41	43038	15.450	ug/l	94
48) t-1,3-Dichloropropene	10.38	75	87588	16.038	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	108132	17.105	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	61092	17.080	ug/l	94
51) Ethyl methacrylate	10.43	69	65544	15.484	ug/l	95
52) 1,3-Dichloropropane	10.71	76	105063	17.411	ug/l	96
53) Dibromochloromethane	10.90	129	69972	17.007	ug/l	100
54) 1,2-Dibromoethane	11.01	107	59116	17.129	ug/l	95
55) 2-Chloroethyl vinyl ether	9.70	63	144153	68.963	ug/l	99
56) Bromoform	12.13	173	47044	16.960	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	262625	90.970	ug/l	97
59) 2-Hexanone	10.75	43	160863	84.661	ug/l	98
61) Tetrachloroethene	10.63	164	68930	18.036	ug/l	97
62) Toluene	10.16	91	303437	18.044	ug/l	99
64) Chlorobenzene	11.43	112	179981	17.456	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	68508	17.186	ug/l	93
66) Ethyl Benzene	11.51	91	285757	16.471	ug/l	97
67) m/p-Xylenes	11.62	106	223649	33.486	ug/l	97
68) o-Xylene	11.95	106	109329	17.187	ug/l	94
69) Styrene	11.96	104	169338	16.852	ug/l	98
70) Isopropylbenzene	12.25	105	284668	16.721	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	74538	18.600	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	88506	28.006	ug/l	67
73) Bromobenzene	12.53	156	71651	16.700	ug/l	98
74) n-propylbenzene	12.59	91	314730	15.902	ug/l	99
75) 2-Chlorotoluene	12.68	91	198024	16.954	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	238958	17.011	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	16626	15.255	ug/l	92
78) 4-Chlorotoluene	12.77	91	189942	16.396	ug/l	99
79) tert-butylbenzene	12.99	119	207550	16.970	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	241711	17.116	ug/l	98
81) sec-Butylbenzene	13.17	105	285079	16.944	ug/l	100
82) p-Isopropyltoluene	13.29	119	235835	16.238	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	133611	17.754	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	118067	16.705	ug/l	97
85) n-Butylbenzene	13.62	91	174317	14.618	ug/l	98
86) Hexachloroethane	13.87	117	49887	17.141	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	124487	17.449	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11429	19.323	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	64739	18.218	ug/l	99
90) Hexachlorobutadiene	15.01	225	59562	21.627	ug/l	95
91) Naphthalene	15.13	128	128024	19.093	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	46821	13.052	ug/l	91

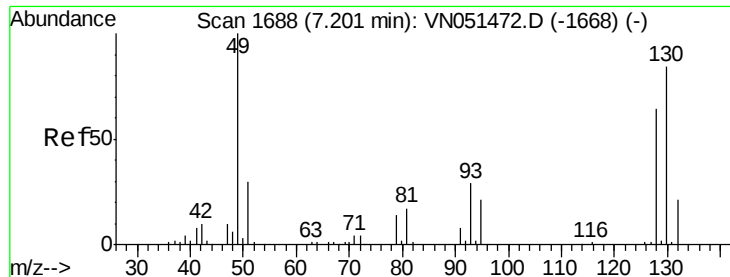
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
Data File : VN051482.D
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Sample : VN0925WBS01
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 26 01:19:41 2018
Response via : Initial Calibration

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

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampled :

VN0925WBS01

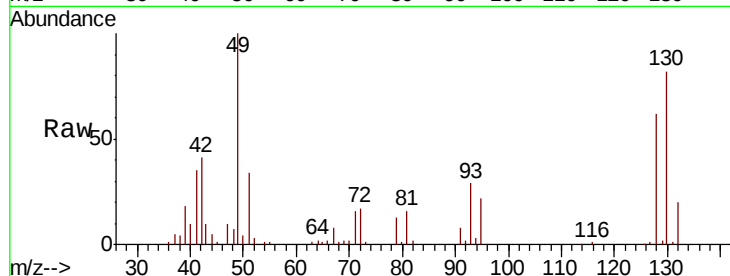
Tot Ion:128 Resp: 70136

Ion Ratio Lower Upper

128 100

49 170.4 0.0 403.3

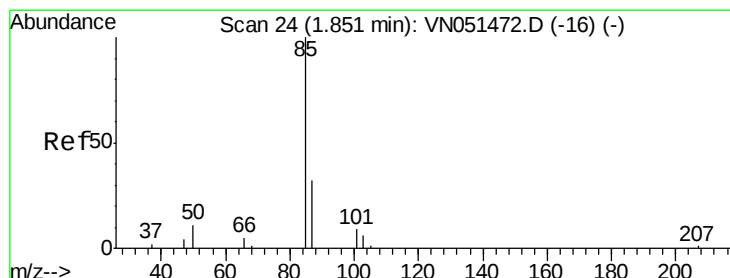
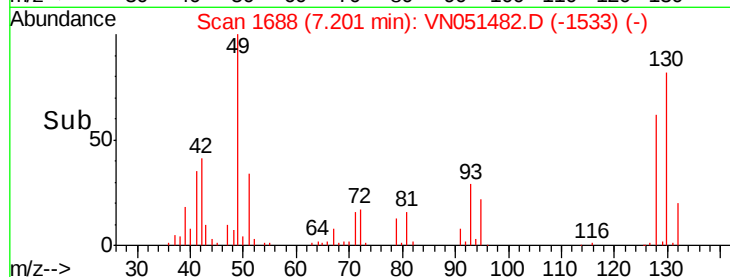
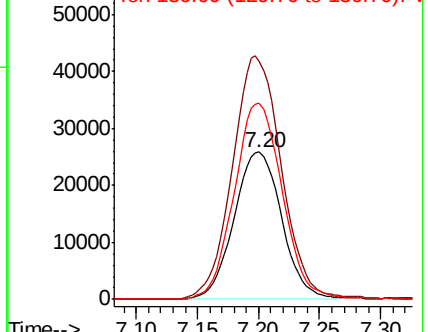
130 134.2 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.417 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051482.D

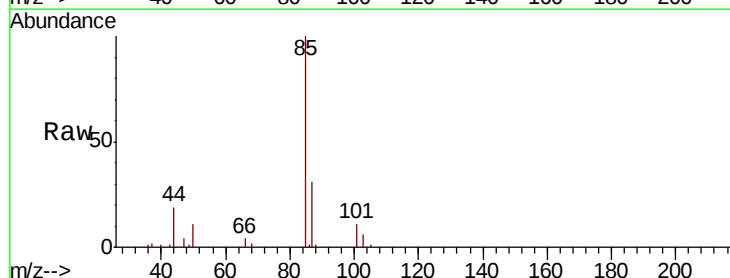
Acq: 25 Sep 2018 14:02

Tgt Ion: 85 Resp: 46311

Ion Ratio Lower Upper

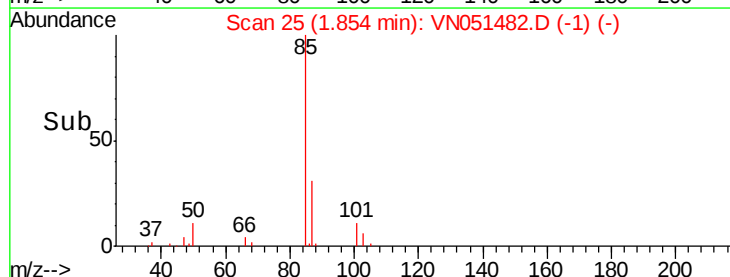
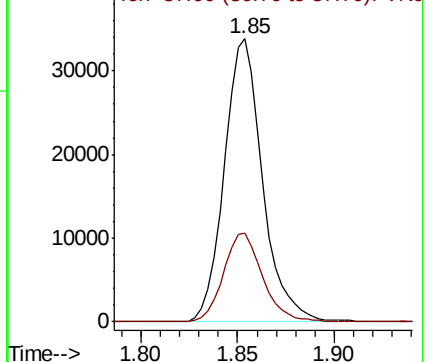
85 100

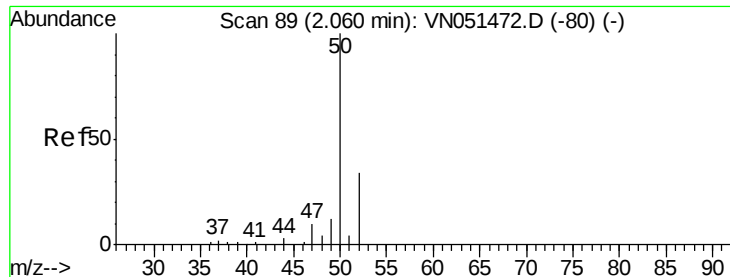
87 31.2 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 17.428 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

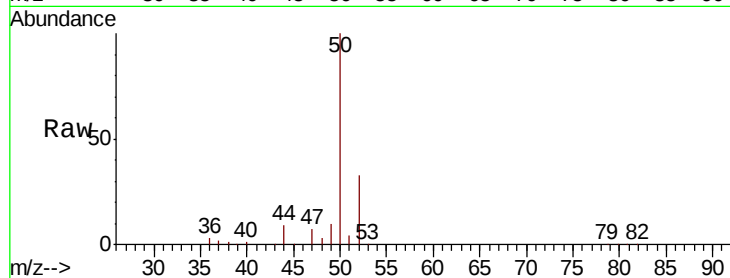
VN0925WBS01

Tot Ion: 50 Resp: 90011

Ion Ratio Lower Upper

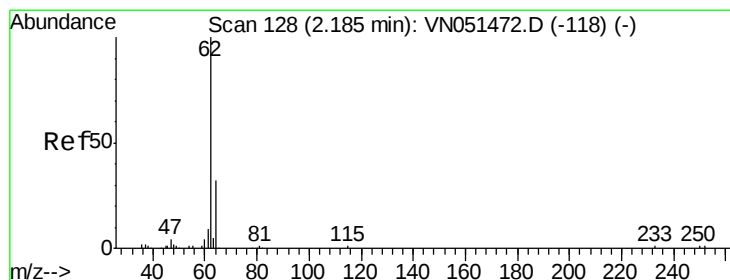
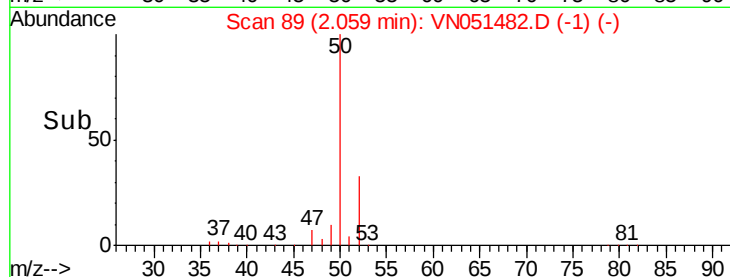
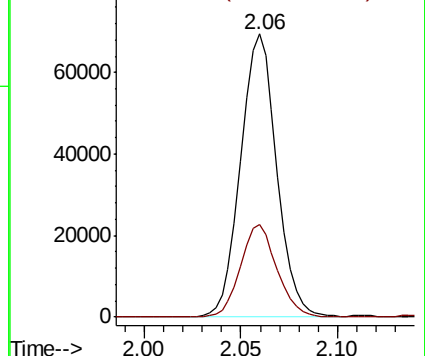
50 100

52 32.6 27.2 40.8



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 16.938 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051482.D

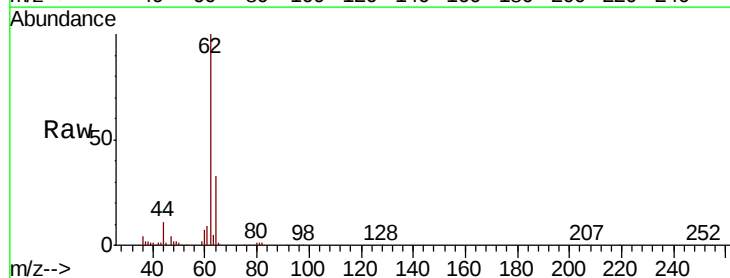
Acq: 25 Sep 2018 14:02

Tgt Ion: 62 Resp: 93345

Ion Ratio Lower Upper

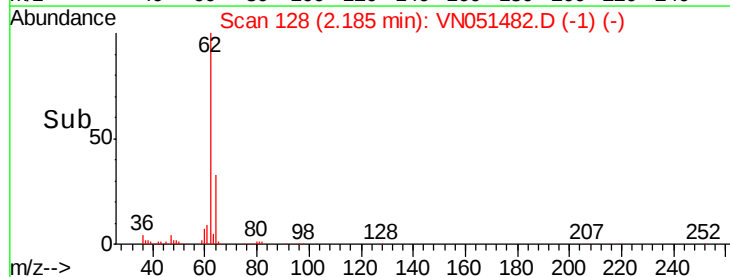
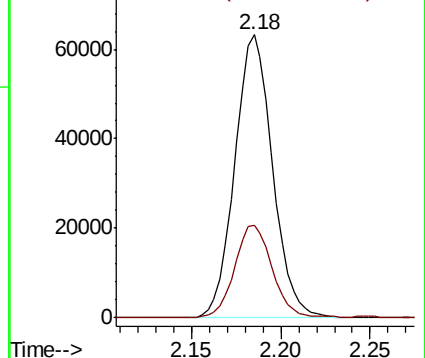
62 100

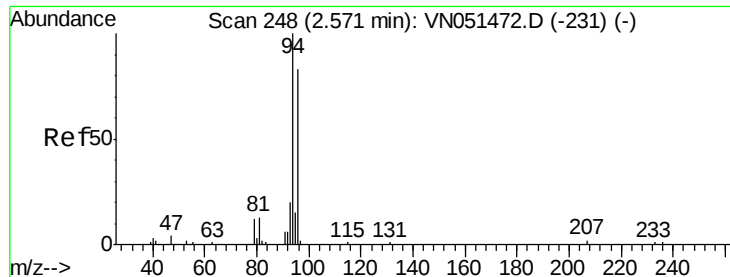
64 32.9 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 21.088 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

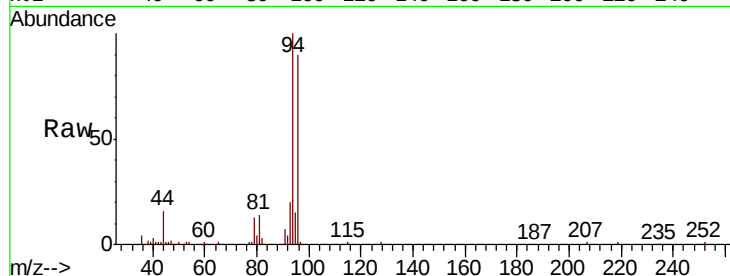
VN0925WBS01

Tot Ion: 94 Resp: 75955

Ion Ratio Lower Upper

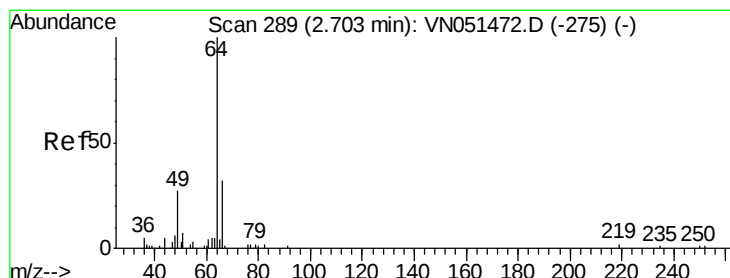
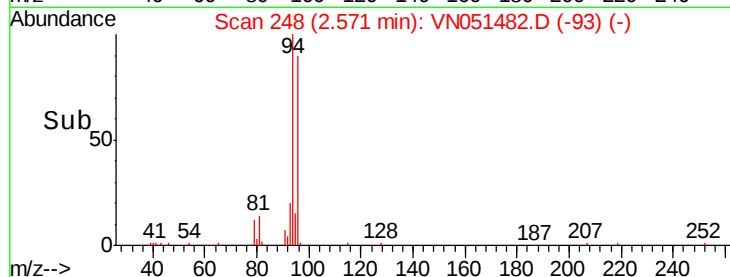
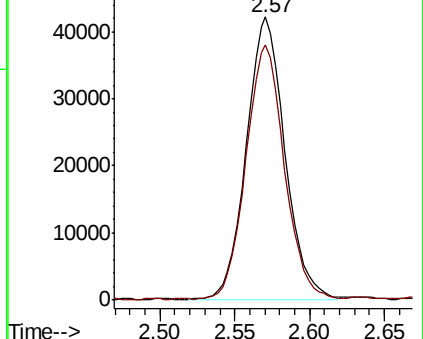
94 100

96 89.9 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: 17.354 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051482.D

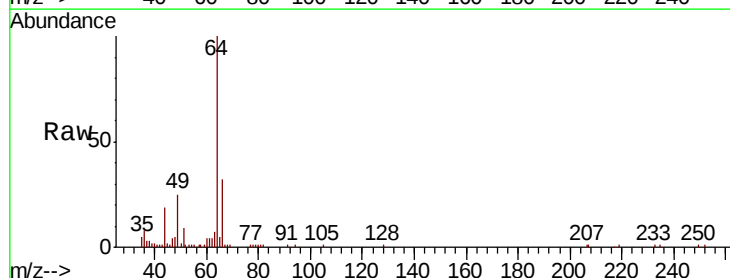
Acq: 25 Sep 2018 14:02

Tgt Ion: 64 Resp: 58950

Ion Ratio Lower Upper

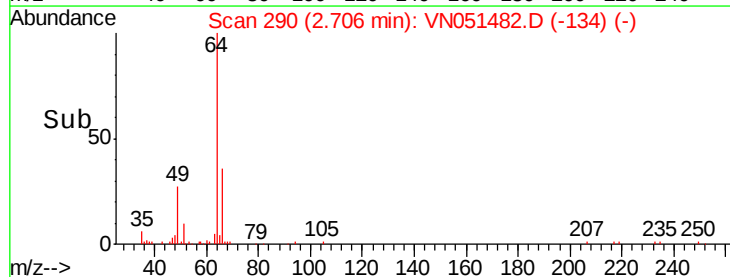
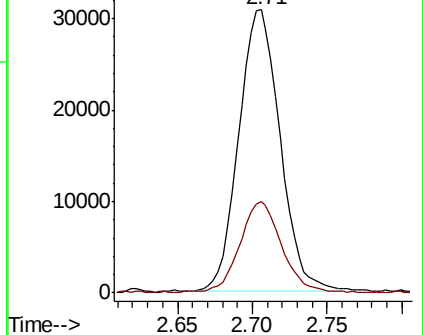
64 100

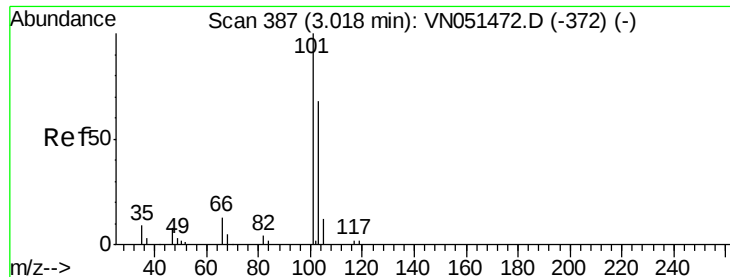
66 31.9 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



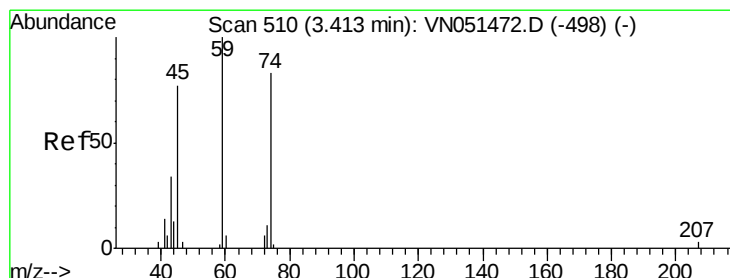
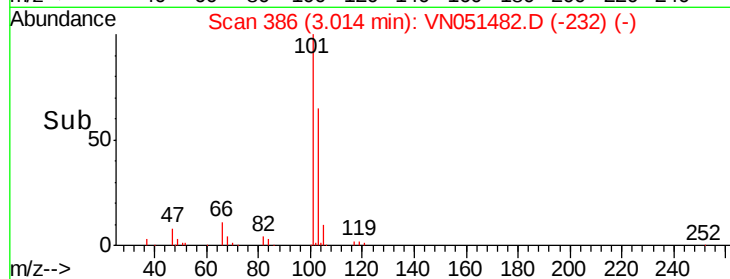
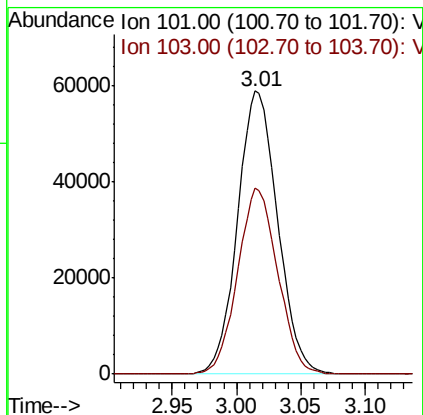
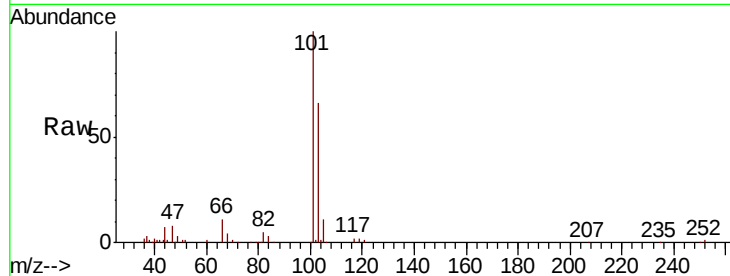


#7

Trichlorofluoromethane
 Concen: 17.792 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

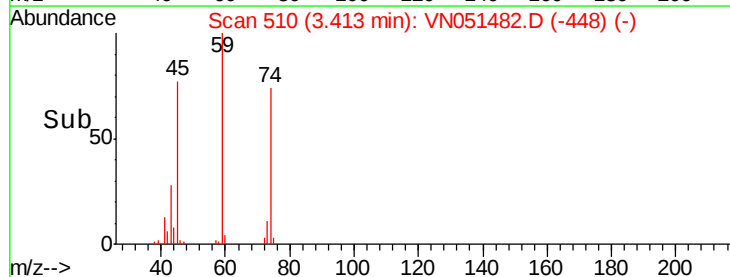
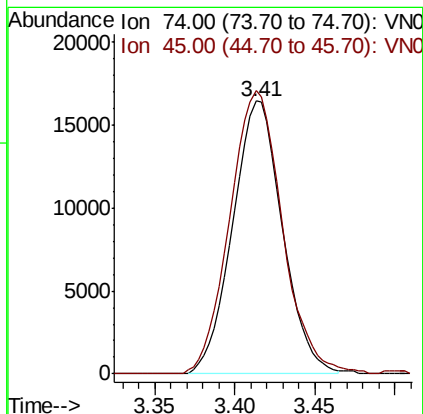
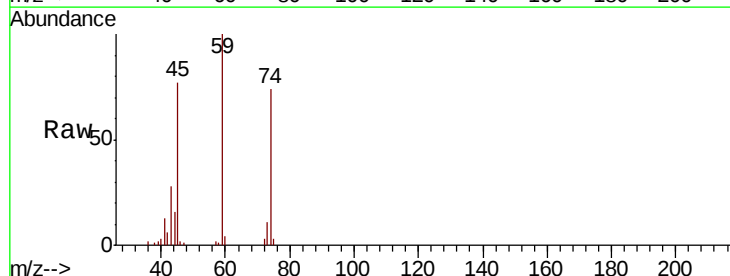
Tot Ion:101 Resp: 127270
 Ion Ratio Lower Upper
 101 100
 103 65.7 54.8 82.2

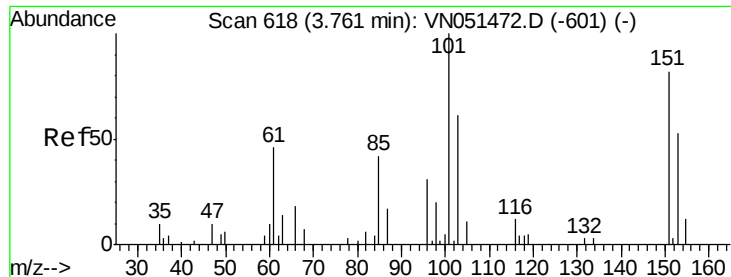


#8

Diethyl Ether
 Concen: 16.283 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion: 74 Resp: 35019
 Ion Ratio Lower Upper
 74 100
 45 109.8 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.280 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

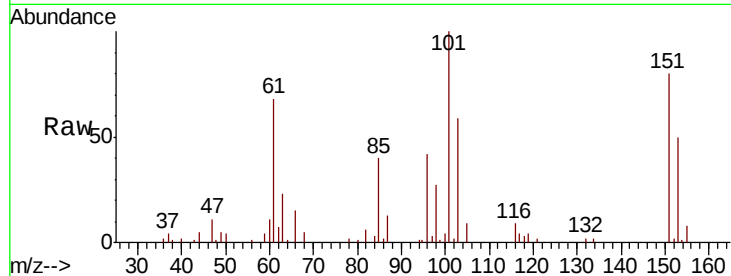
Tot Ion:101 Resp: 66402

Ion Ratio Lower Upper

101 100

85 42.9 0.0 46.0

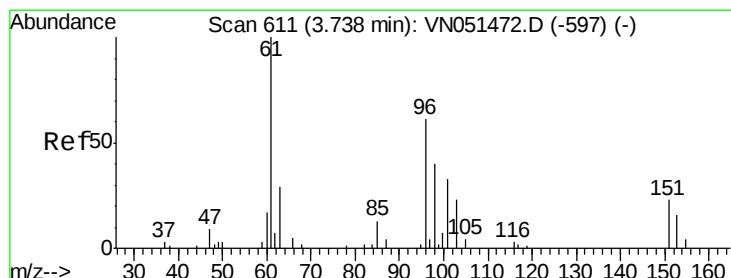
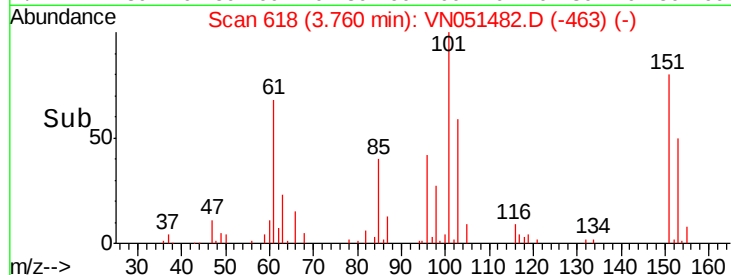
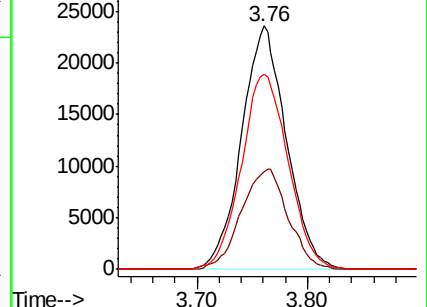
151 83.4 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.733 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

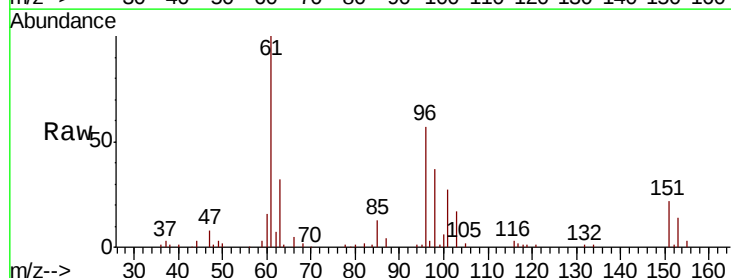
Tgt Ion: 96 Resp: 58675

Ion Ratio Lower Upper

96 100

61 175.4 133.0 199.6

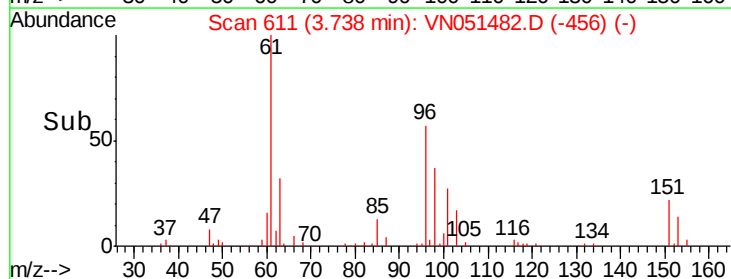
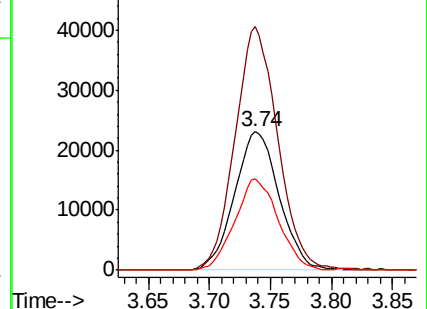
98 65.7 52.6 78.8

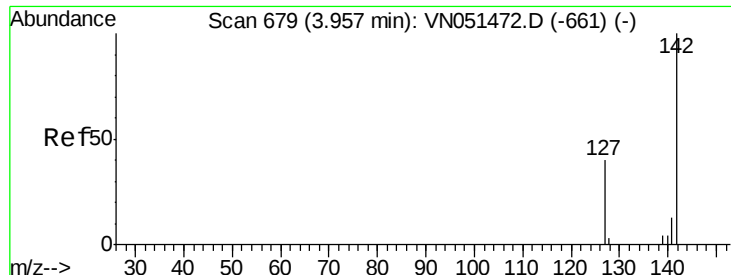


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

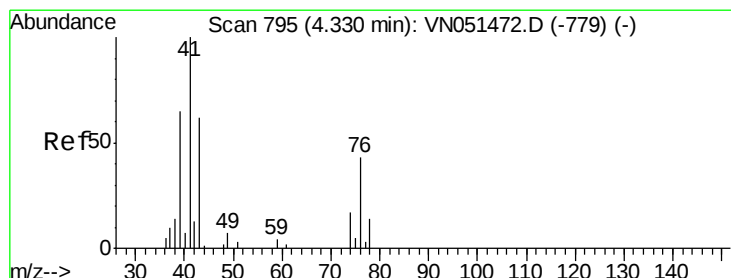
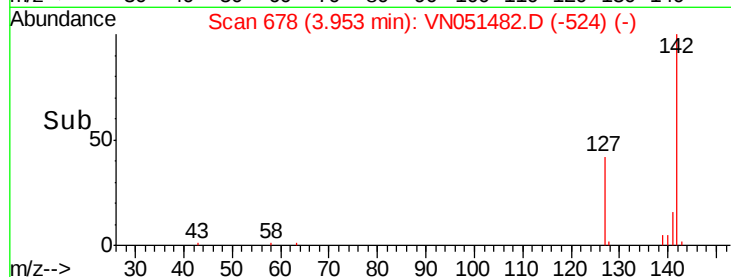
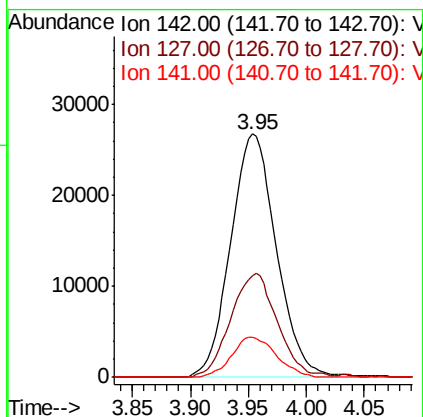
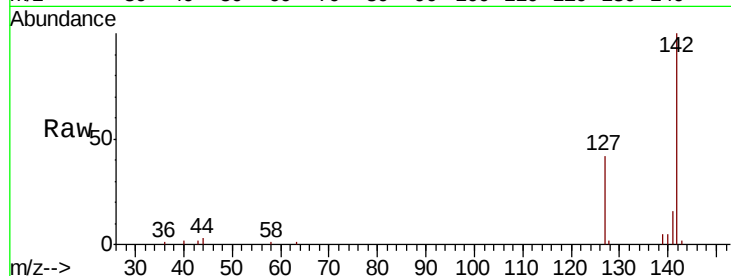




#11
Methyl Iodide
Concen: 15.010 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

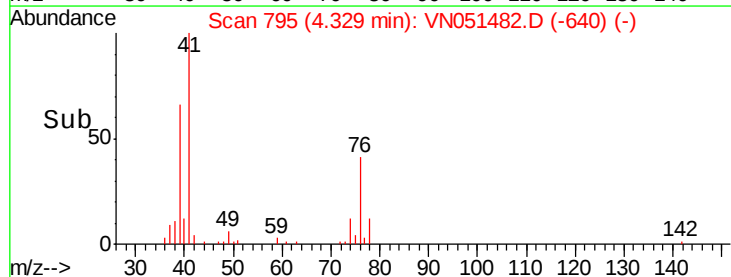
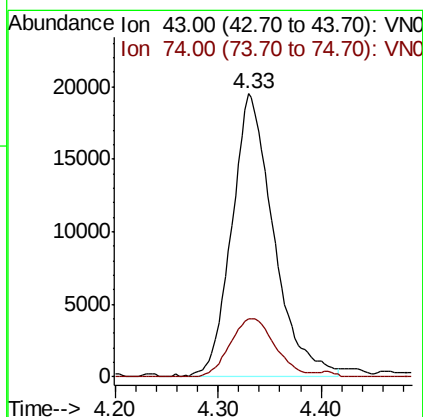
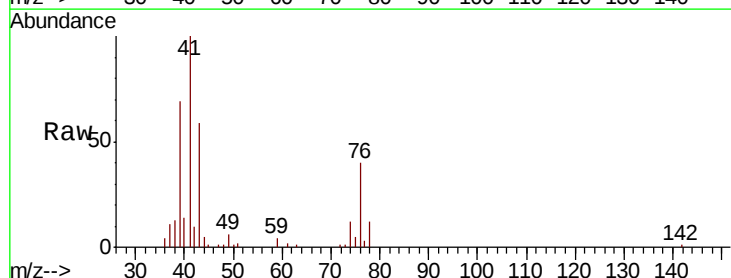
Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

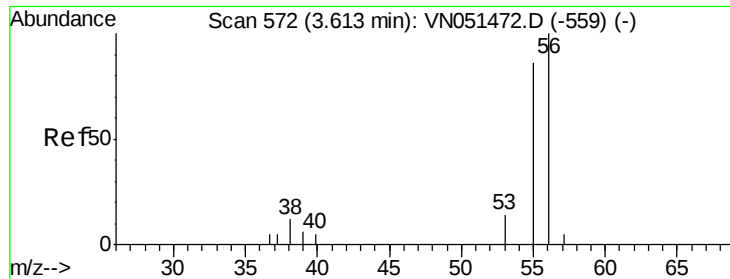
Tot Ion:142 Resp: 73233
Ion Ratio Lower Upper
142 100
127 41.7 19.7 59.0
141 16.4 6.3 18.9



#12
Methyl Acetate
Concen: 18.929 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion: 43 Resp: 55047
Ion Ratio Lower Upper
43 100
74 20.2 21.8 32.6#

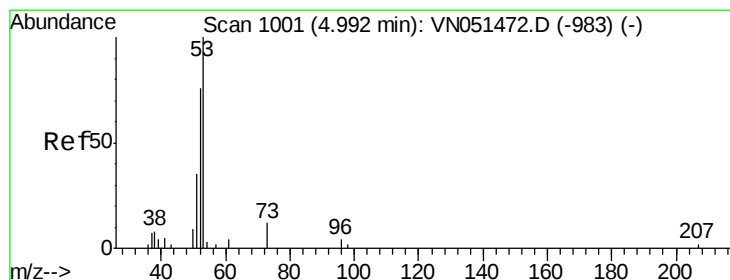
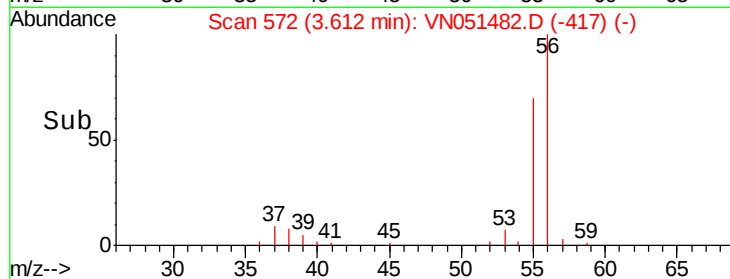
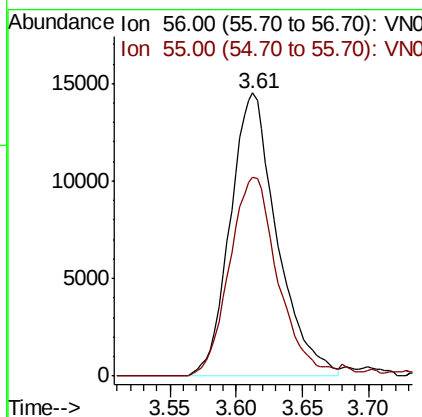
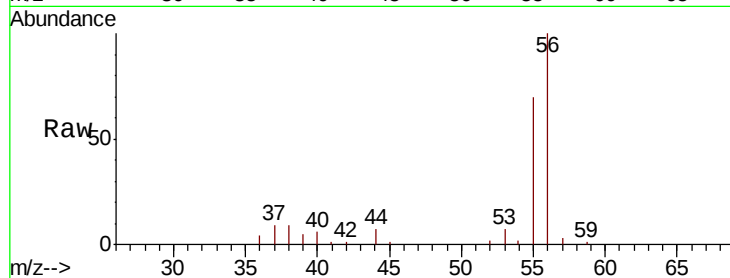




#13
 Acrolein
 Concen: 92.064 ug/l
 RT: 3.61 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

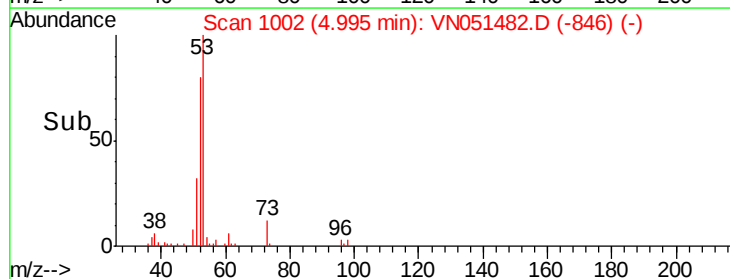
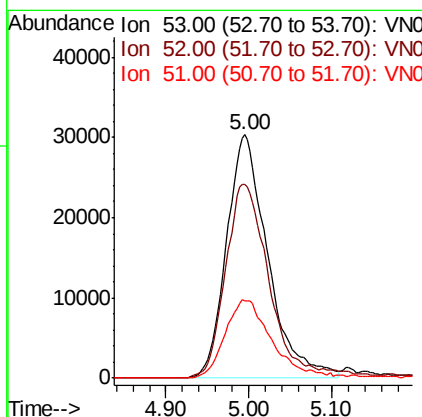
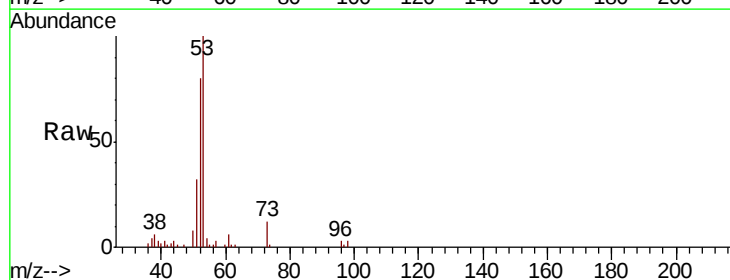
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

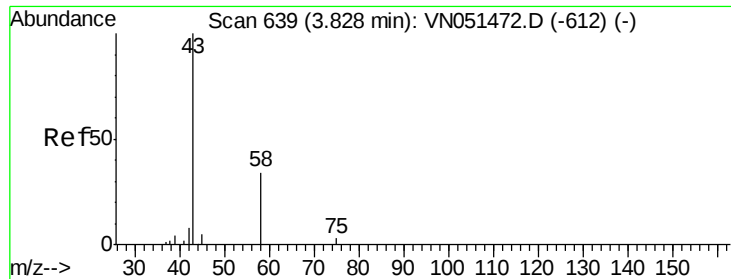
Tot Ion: 56 Resp: 35701
 Ion Ratio Lower Upper
 56 100
 55 71.6 64.0 96.0



#14
 Acrylonitrile
 Concen: 88.851 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion: 53 Resp: 104962
 Ion Ratio Lower Upper
 53 100
 52 81.0 18.3 54.8#
 51 17.5 19.7 59.1#





#15

Acetone

Concen: 96.657 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.01 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

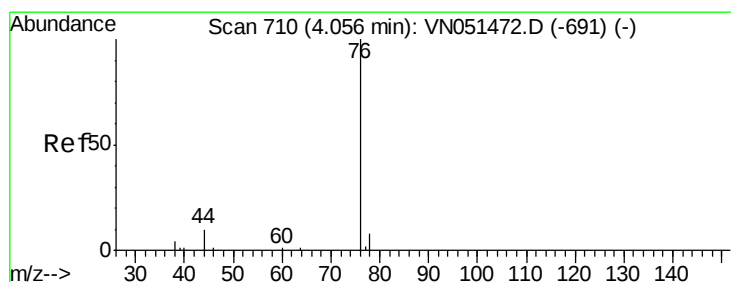
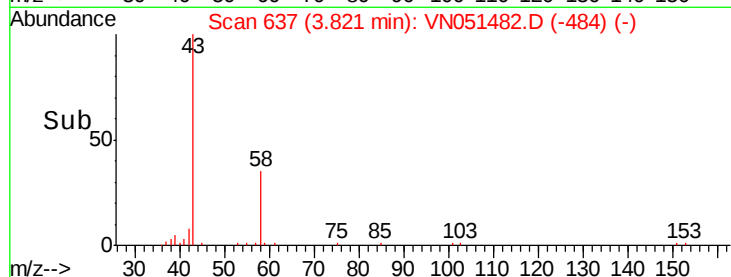
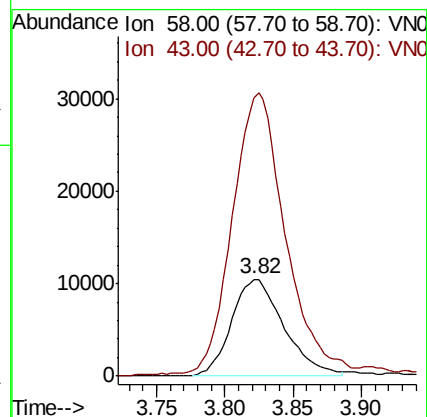
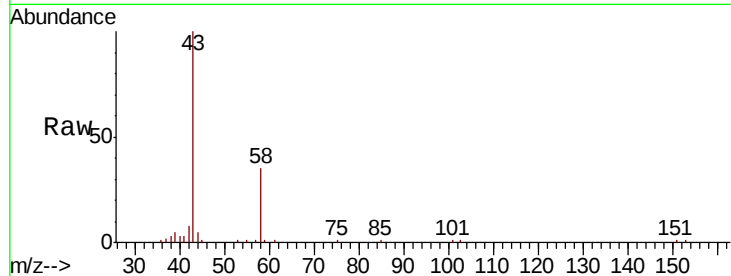
VN0925WBS01

Tot Ion: 58 Resp: 28122

Ion Ratio Lower Upper

58 100

43 281.3 232.2 348.2



#16

Carbon Disulfide

Concen: 17.086 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051482.D

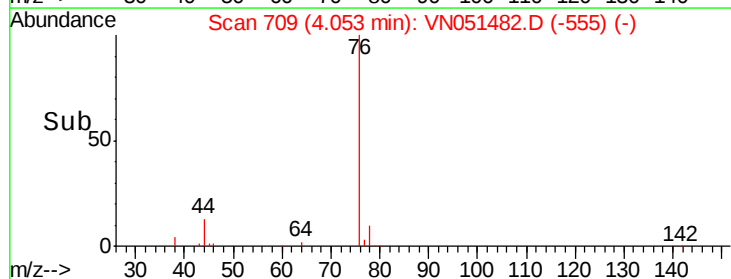
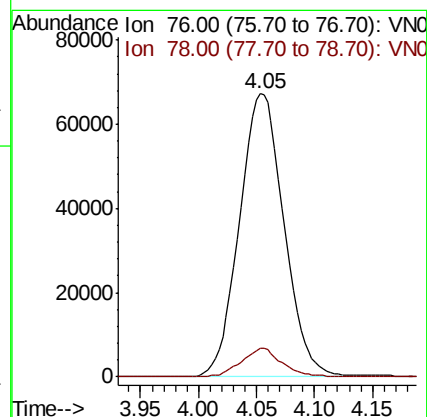
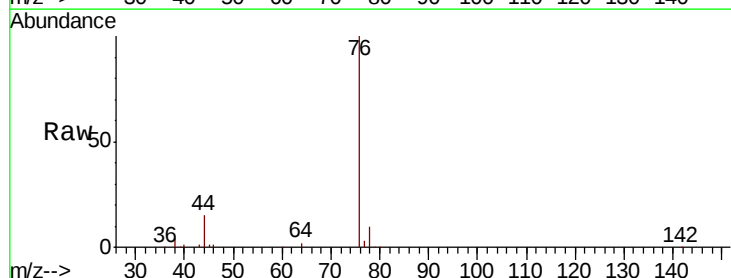
Acq: 25 Sep 2018 14:02

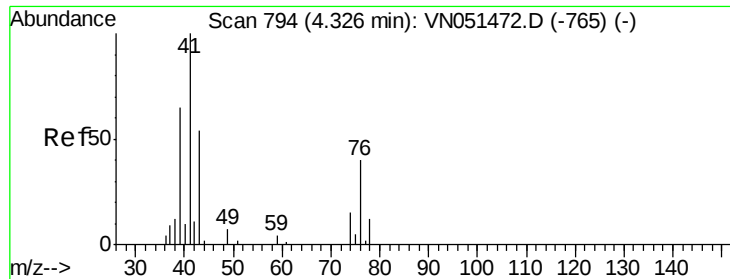
Tgt Ion: 76 Resp: 179311

Ion Ratio Lower Upper

76 100

78 10.0 6.7 10.1

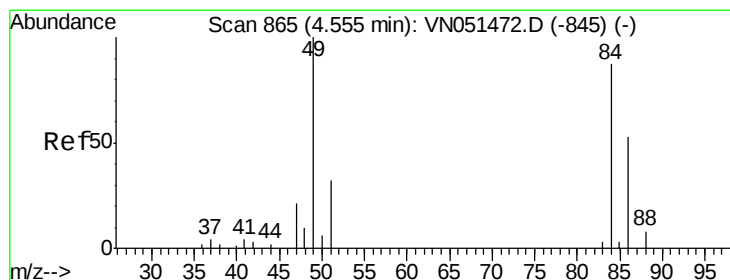
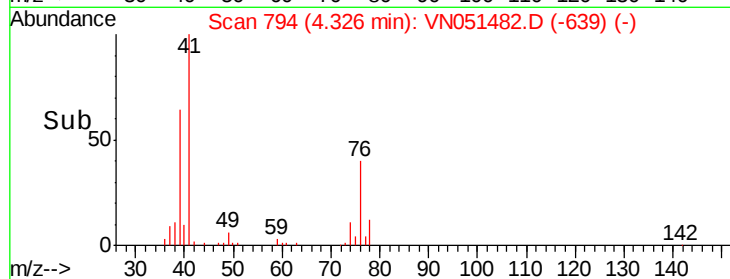
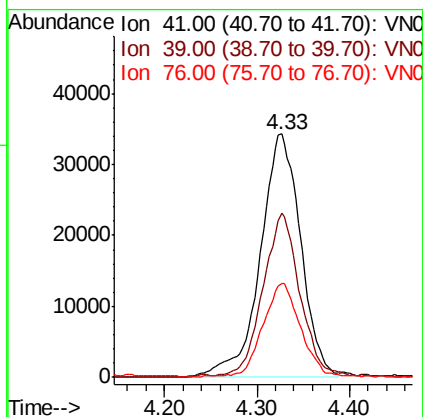
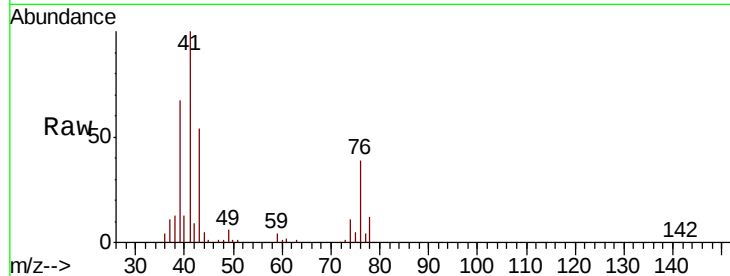




#17
Allvl chloride
Concen: 17.864 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

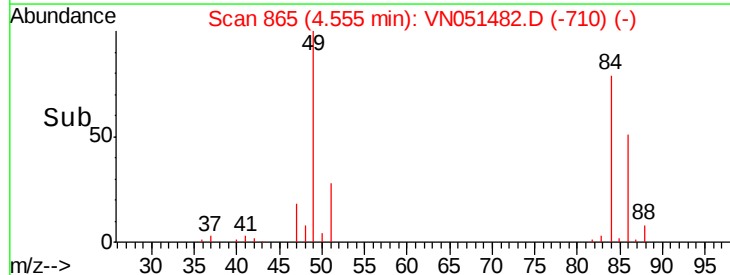
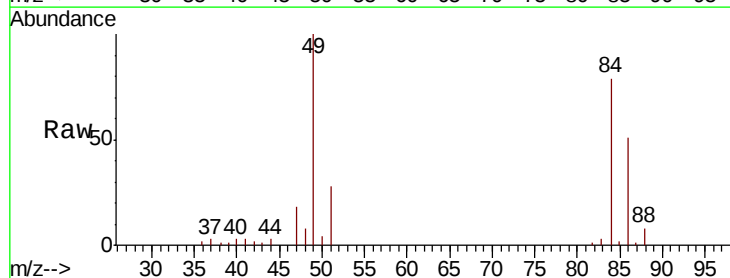
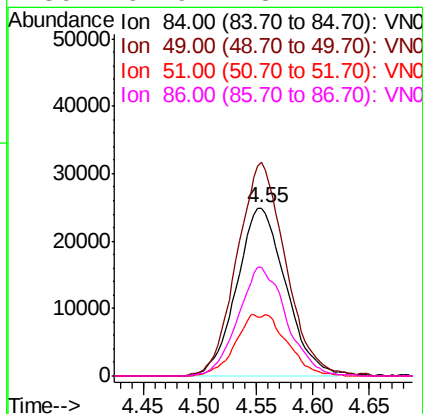
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

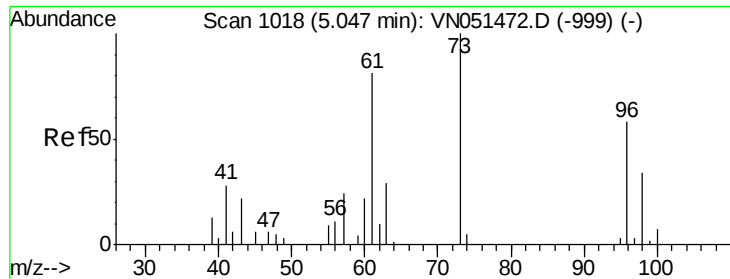
Tot Ion: 41 Resp: 104341
Ion Ratio Lower Upper
41 100
39 67.2 32.6 97.8
76 38.2 20.2 60.5



#18
Methylene Chloride
Concen: 19.013 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion: 84 Resp: 75128
Ion Ratio Lower Upper
84 100
49 126.2 91.6 137.4
51 35.4 29.8 44.6
86 64.9 48.2 72.4

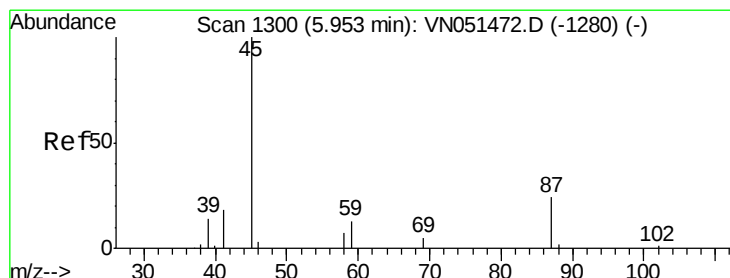
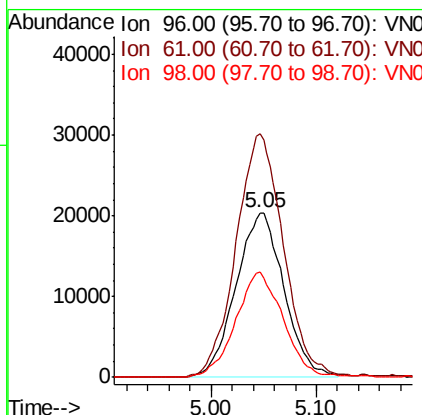
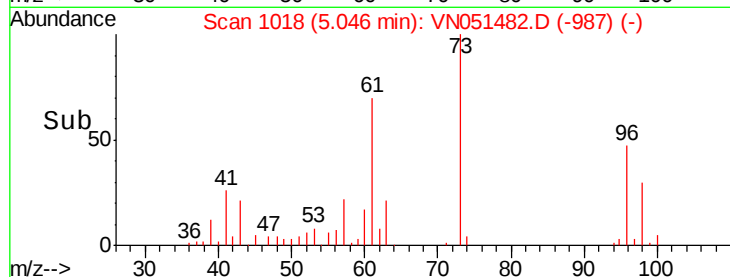
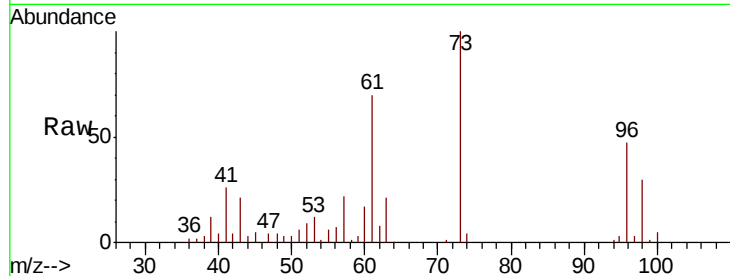




#19
trans-1,2-Dichloroethene
Concen: 18.033 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

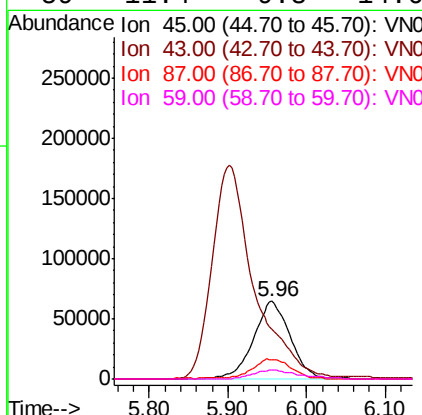
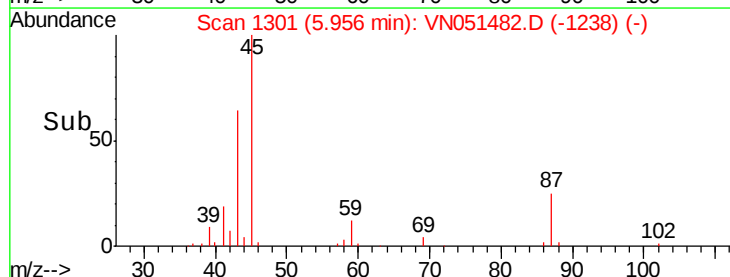
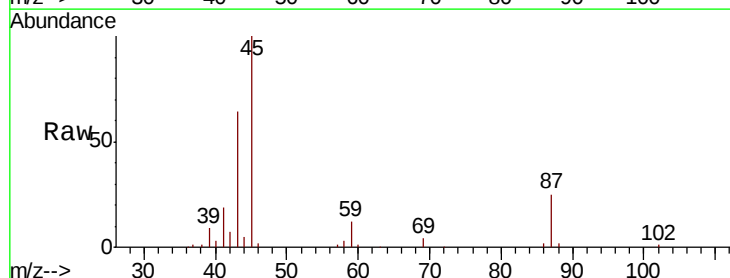
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

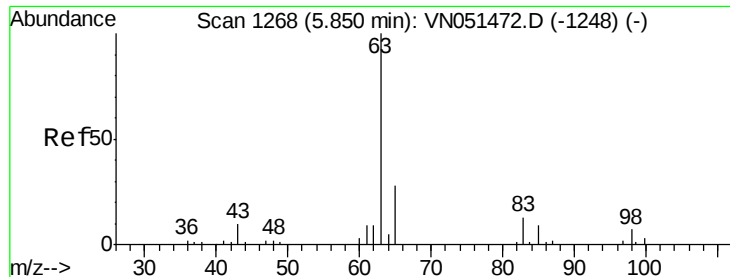
Tot Ion: 96 Resp: 64590
Ion Ratio Lower Upper
96 100
61 146.7 112.3 168.5
98 63.7 47.1 70.7



#20
Diisopropyl ether
Concen: 18.339 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion: 45 Resp: 212693
Ion Ratio Lower Upper
45 100
43 60.1 62.1 93.1#
87 24.7 19.9 29.9
59 11.4 9.8 14.6

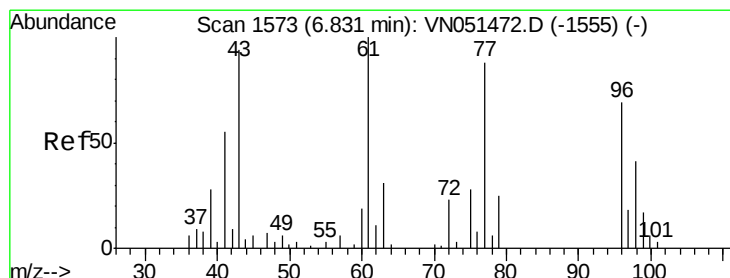
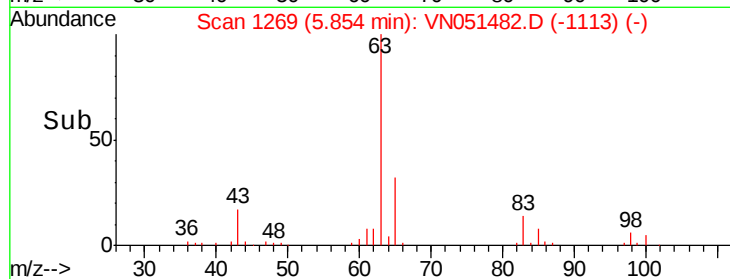
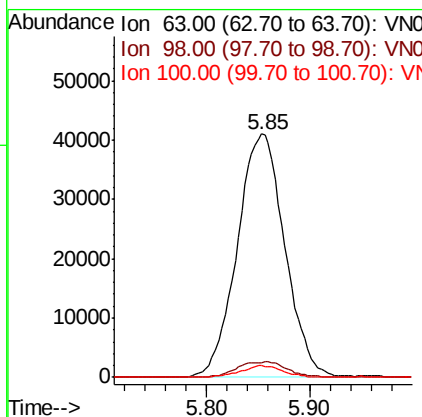
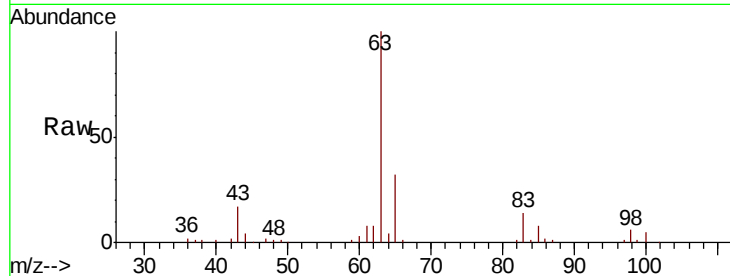




#21
 1,1-Dichloroethane
 Concen: 18.770 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

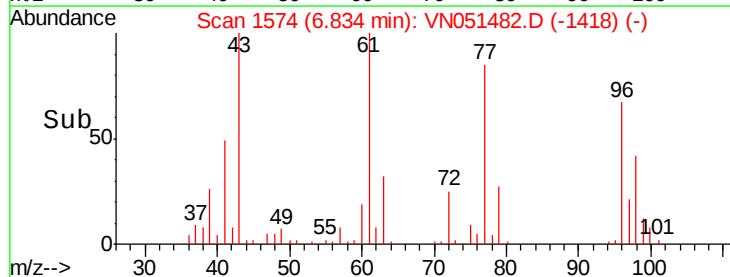
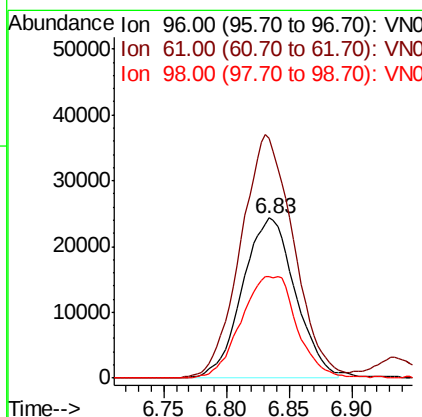
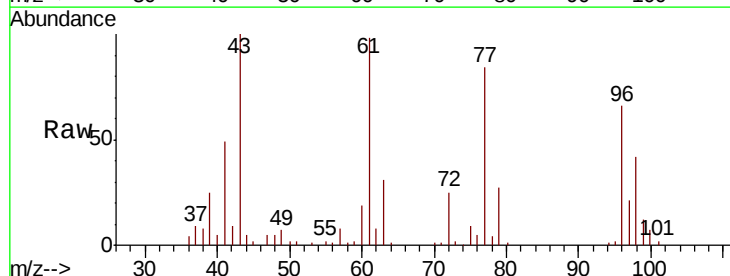
Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBS01

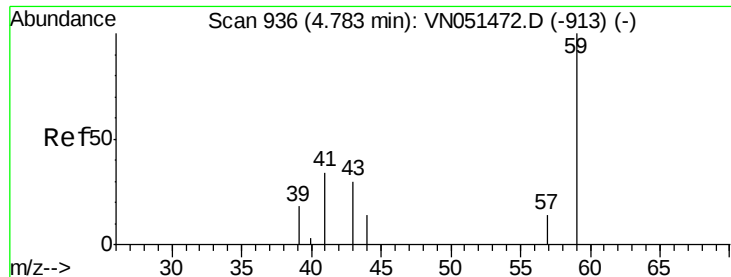
Tot Ion: 63 Resp: 131123
 Ion Ratio Lower Upper
 63 100
 98 6.1 4.1 12.3
 100 4.9 1.6 4.7#



#22
 cis-1,2-Dichloroethene
 Concen: 17.792 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion: 96 Resp: 71309
 Ion Ratio Lower Upper
 96 100
 61 152.4 124.5 186.7
 98 39.9 51.9 77.9#





#23

tert-Butyl Alcohol

Concen: 92.902 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.01 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

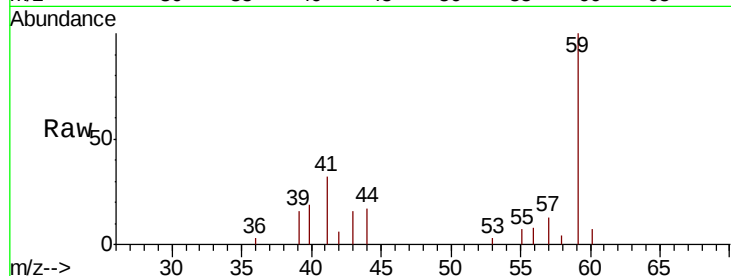
VN0925WBS01

Tot Ion: 59 Resp: 20667

Ion Ratio Lower Upper

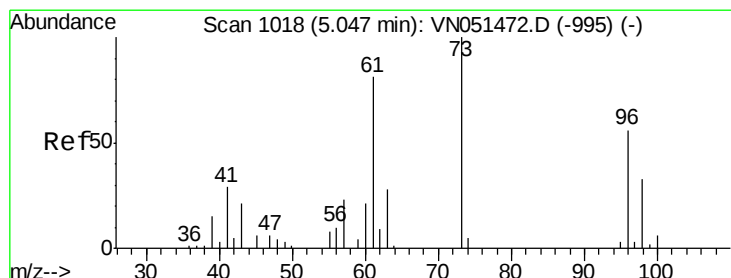
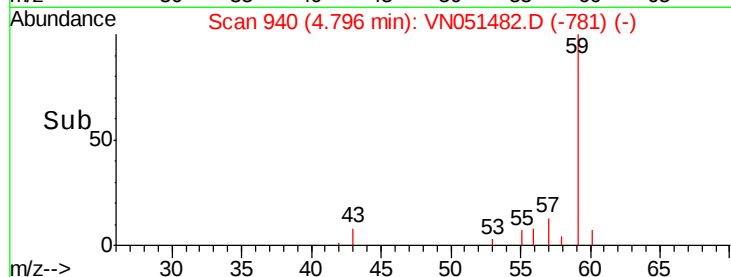
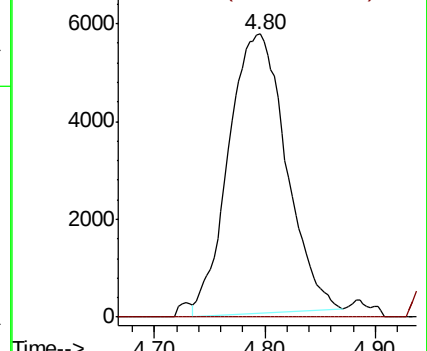
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 17.922 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051482.D

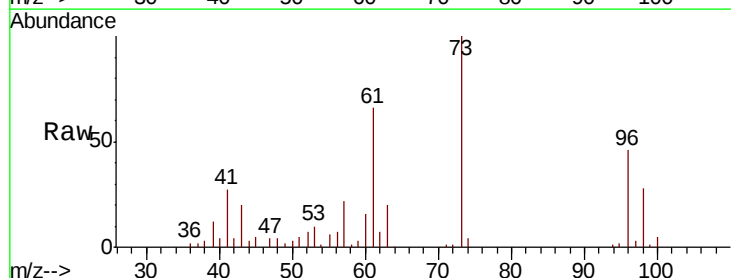
Acq: 25 Sep 2018 14:02

Tgt Ion: 73 Resp: 161507

Ion Ratio Lower Upper

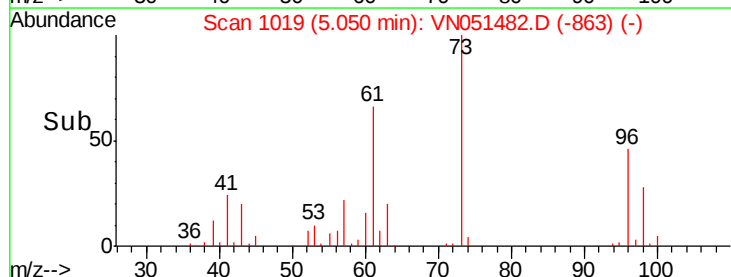
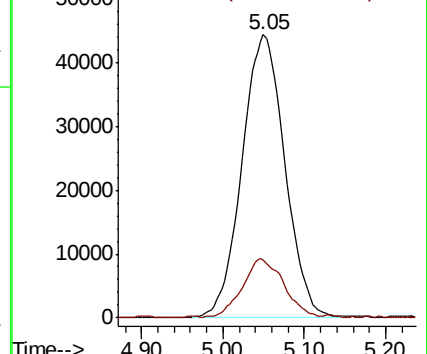
73 100

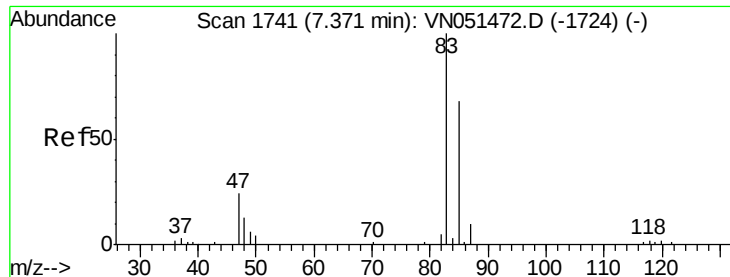
43 20.4 5.4 8.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

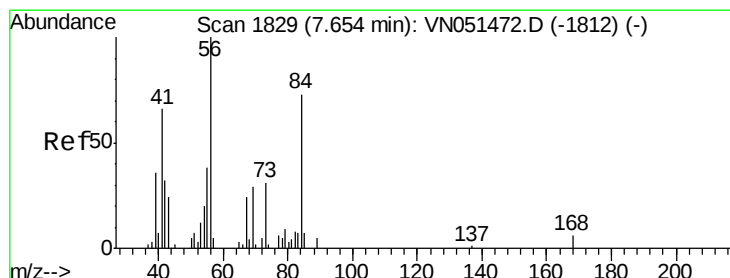
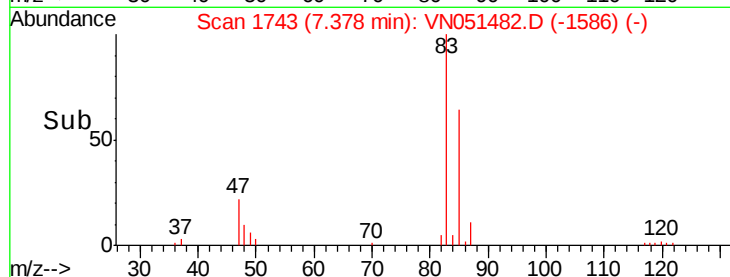
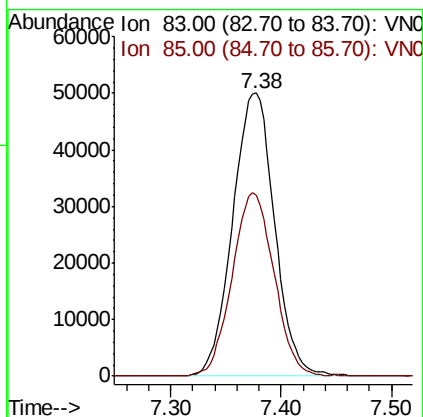
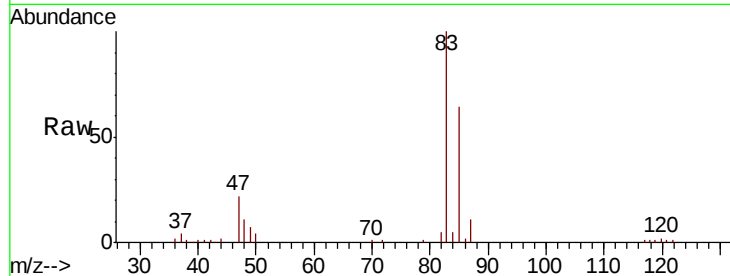




#25
Chloroform
Concen: 18.870 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

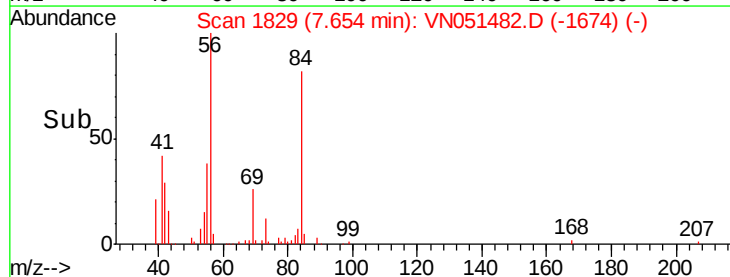
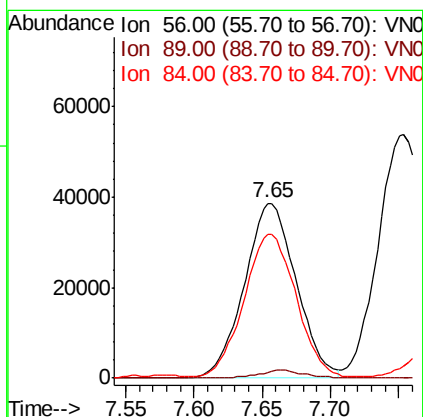
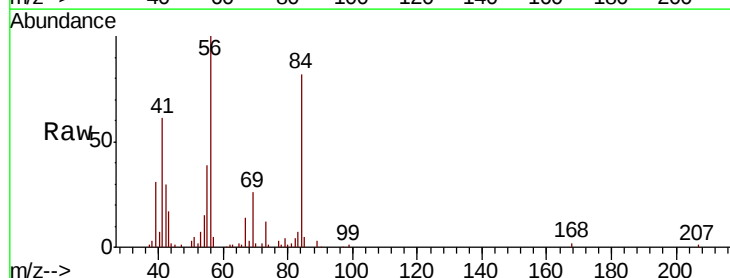
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

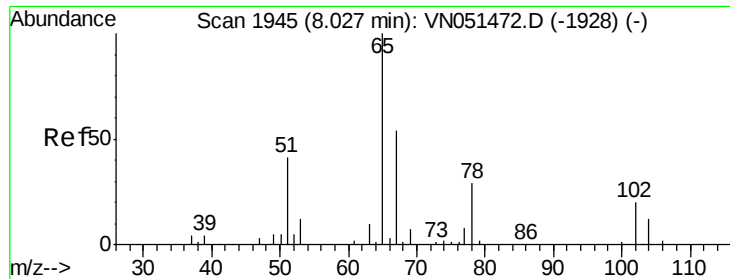
Tot Ion: 83 Resp: 131483
Ion Ratio Lower Upper
83 100
85 63.6 54.6 82.0



#26
Cyclohexane
Concen: 17.132 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion: 56 Resp: 101892
Ion Ratio Lower Upper
56 100
89 3.8 1.5 2.3#
84 83.3 64.2 96.4

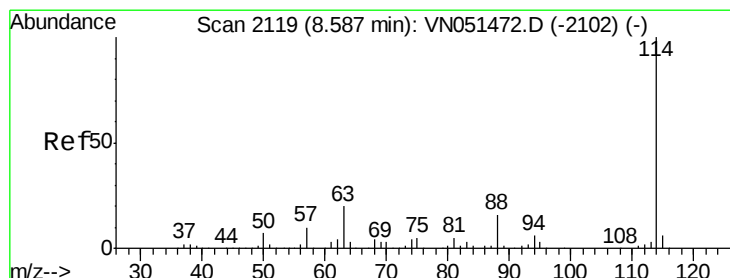
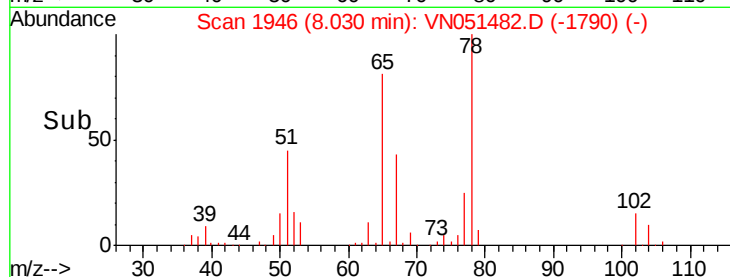
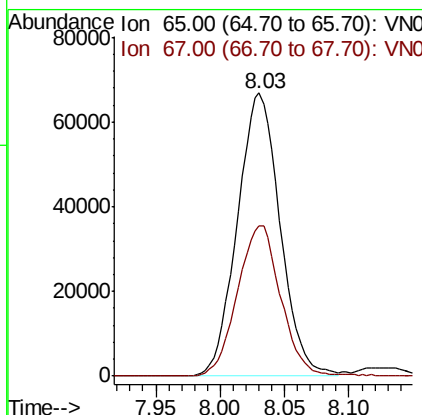
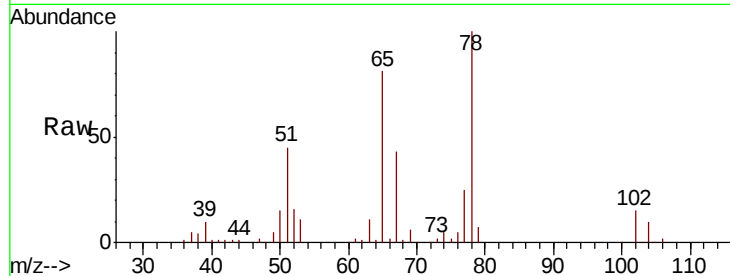




#27
 1,2-Dichloroethane-d4
 Concen: 31.951 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

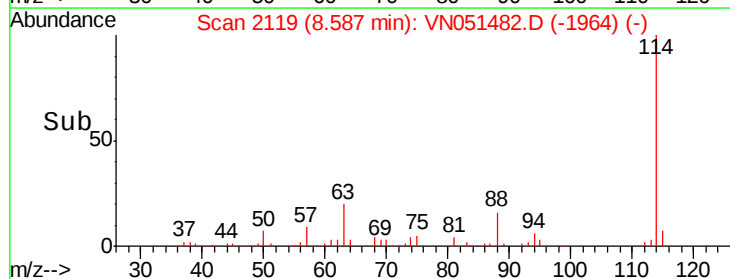
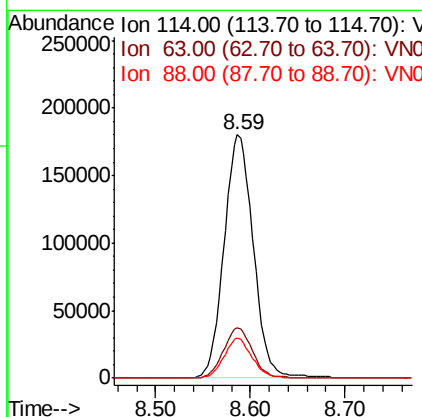
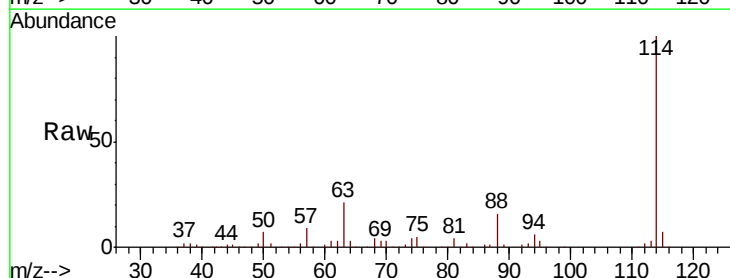
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

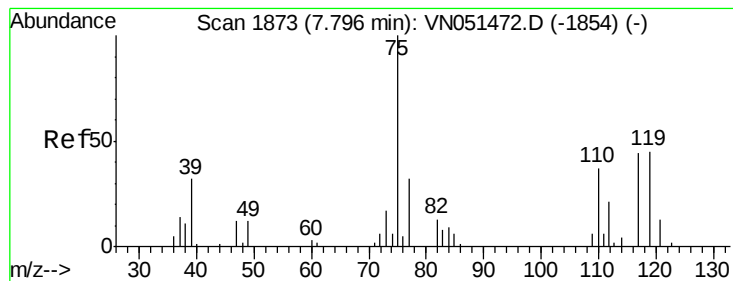
Tot Ion: 65 Resp: 154231
 Ion Ratio Lower Upper
 65 100
 67 53.7 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion: 114 Resp: 386494
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.2 24.2
 88 15.6 12.2 18.4





#29

1,1-Dichloropropene

Concen: 17.221 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

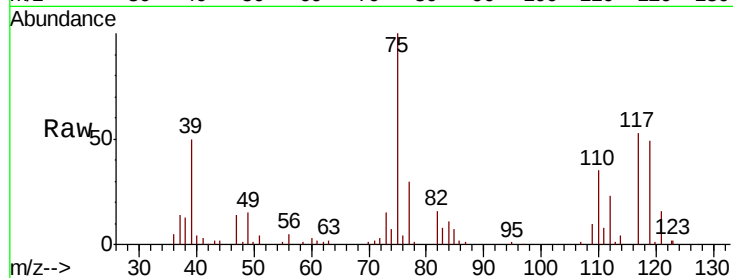
Tot Ion: 75 Resp: 93714

Ion Ratio Lower Upper

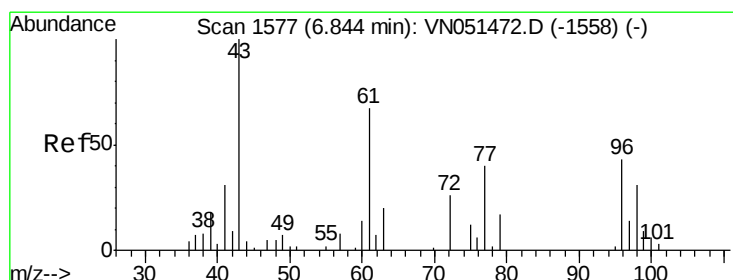
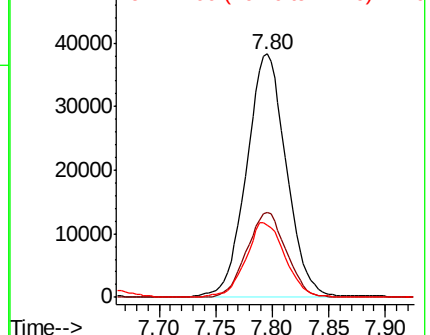
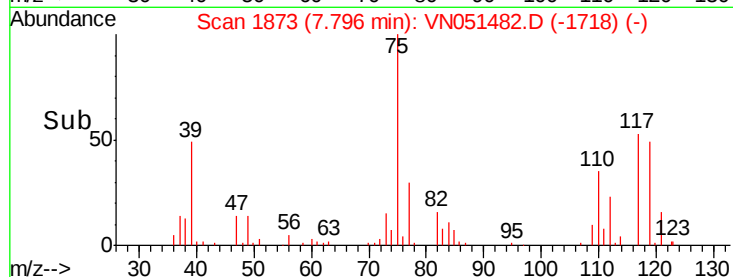
75 100

110 34.4 0.0 70.8

77 30.3 0.0 61.6



Abundance Ion 75.00 (74.70 to 75.70): VN051482.D (-1718) (-)



#30

2-Butanone

Concen: 85.340 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

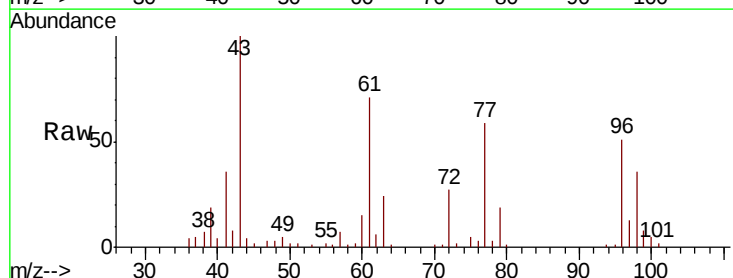
Tgt Ion: 43 Resp: 119961

Ion Ratio Lower Upper

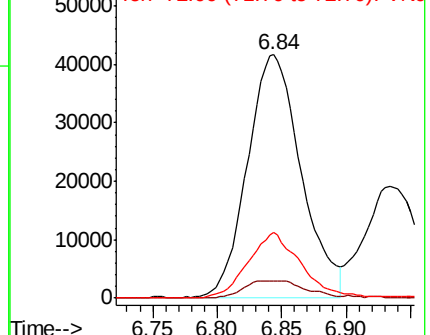
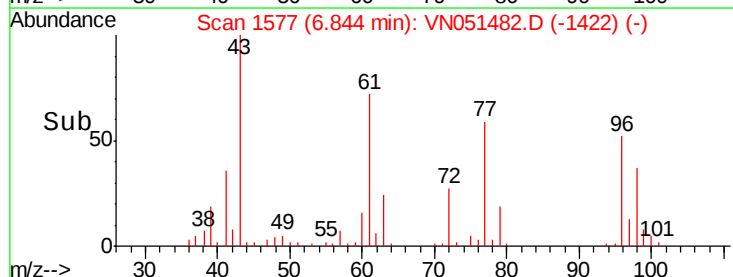
43 100

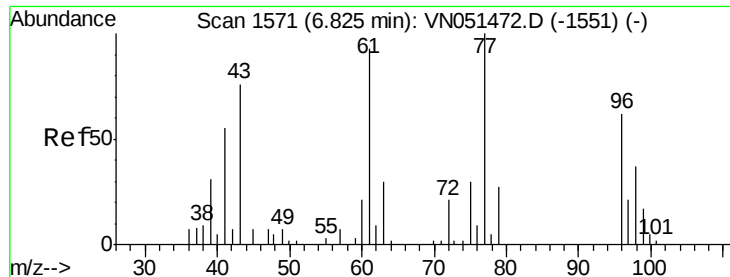
57 3.2 4.5 6.7#

72 26.5 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN051482.D (-1422) (-)





#31

2,2-Dichloropropane

Concen: 18.187 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

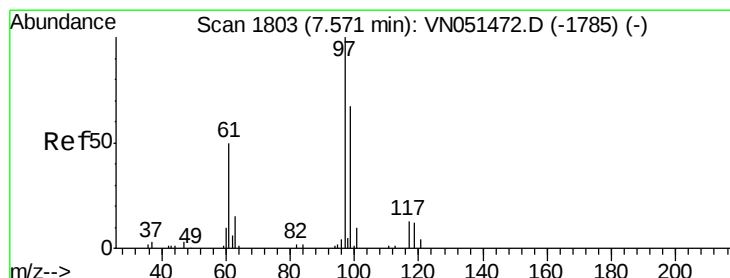
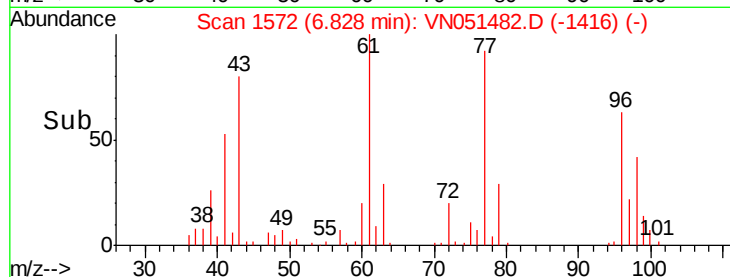
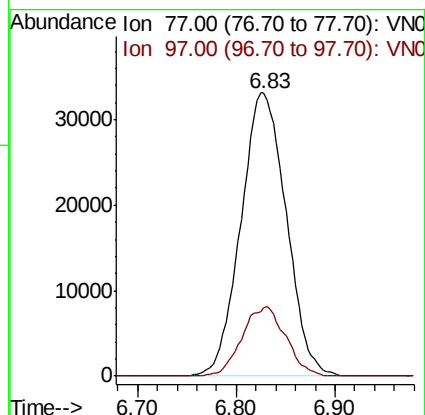
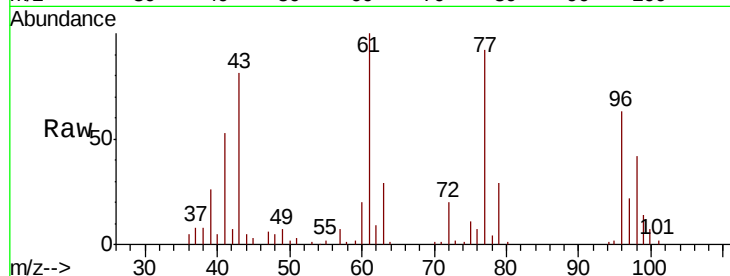
VN0925WBS01

Tot Ion: 77 Resp: 105570

Ion Ratio Lower Upper

77 100

97 23.5 12.0 18.0#



#32

1,1,1-Trichloroethane

Concen: 17.664 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

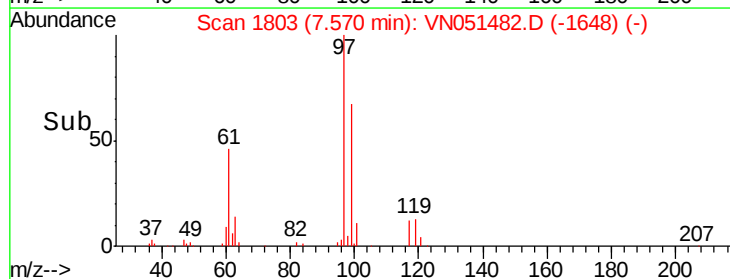
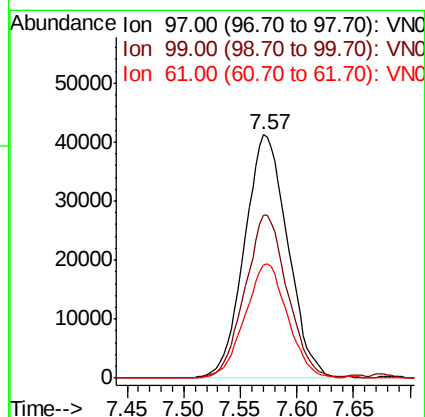
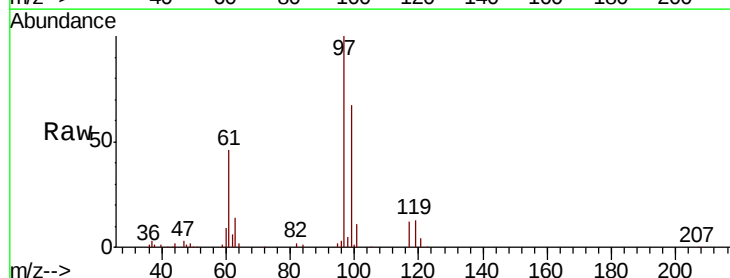
Tgt Ion: 97 Resp: 109737

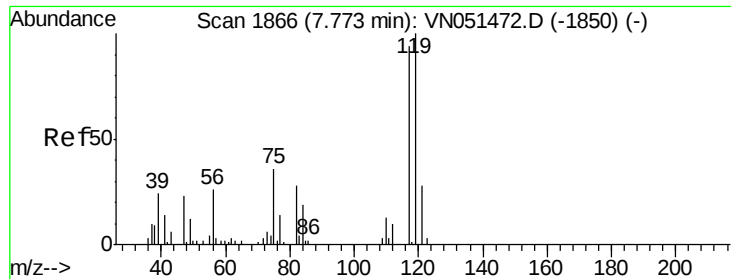
Ion Ratio Lower Upper

97 100

99 65.7 51.6 77.4

61 46.1 37.4 56.0

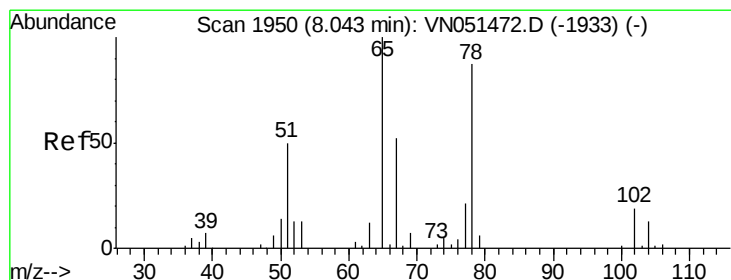
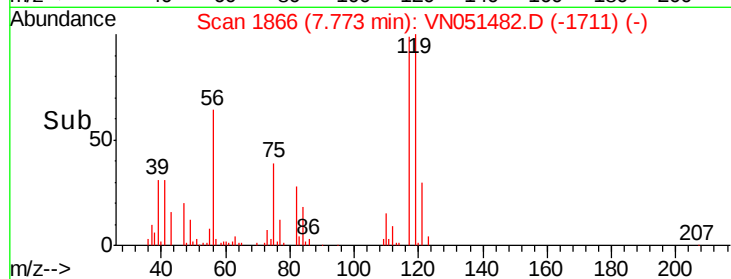
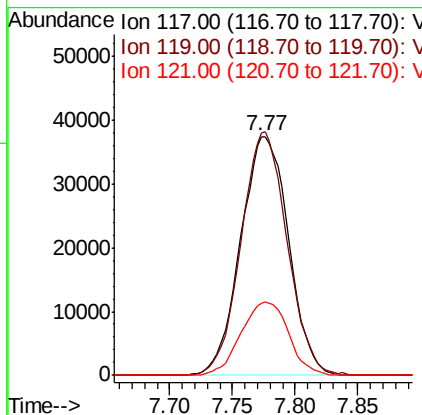
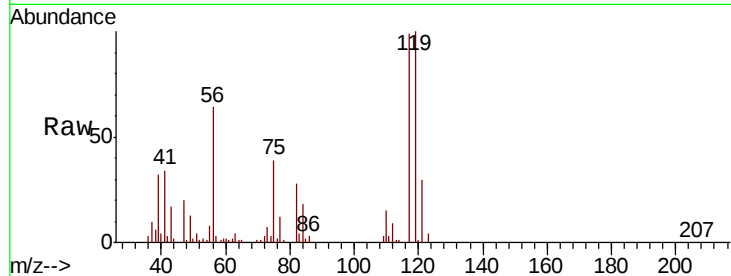




#33
Carbon Tetrachloride
Concen: 17.467 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

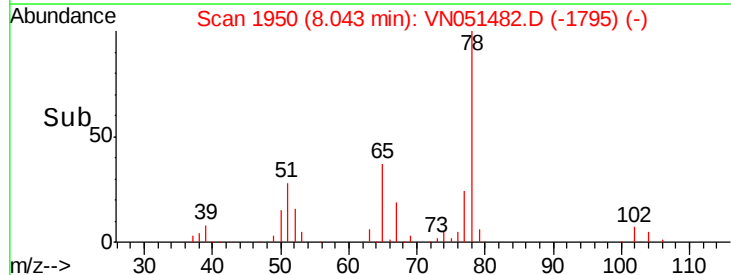
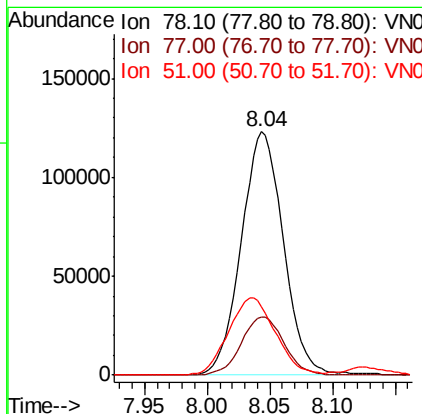
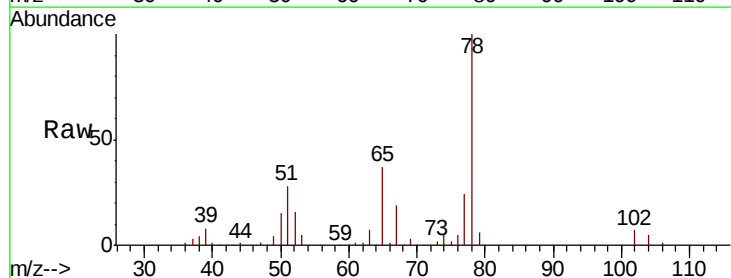
Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

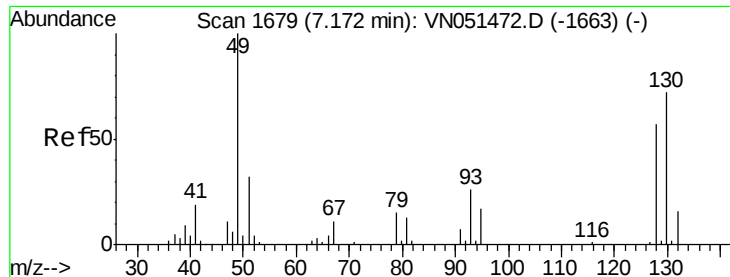
Tot Ion:117 Resp: 99572
Ion Ratio Lower Upper
117 100
119 101.2 85.1 127.7
121 30.3 24.2 36.2



#34
Benzene
Concen: 17.776 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion: 78 Resp: 287203
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2
51 27.8 46.2 69.4#

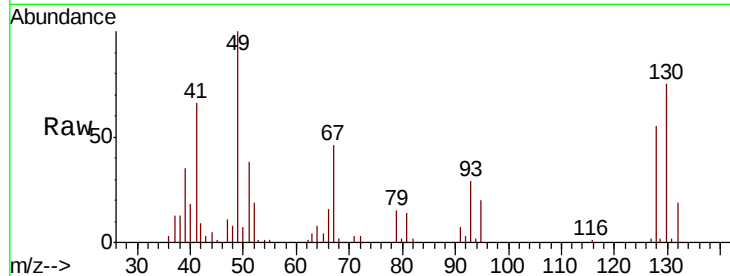




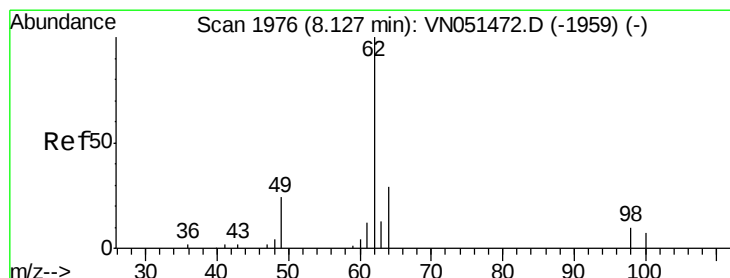
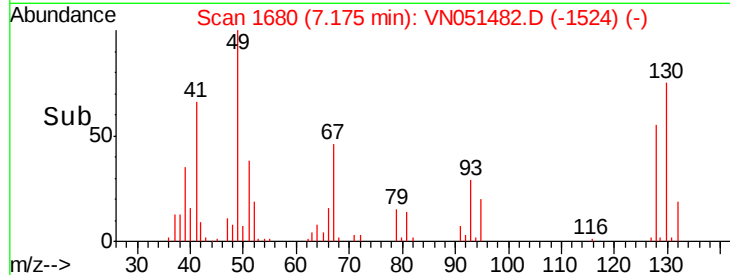
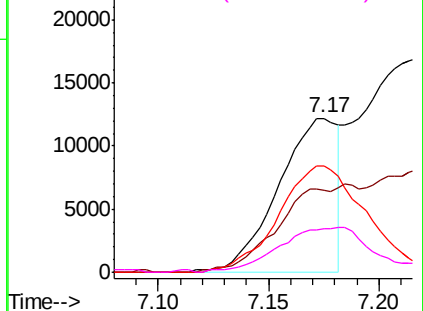
#35
Methacrylonitrile
Concen: 11.234 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

Tot Ion:	41	Resp:	22757
Ion	Ratio	Lower	Upper
41	100		
39	52.9	22.6	67.7
67	69.4	28.9	86.8
52	26.6	11.3	33.9

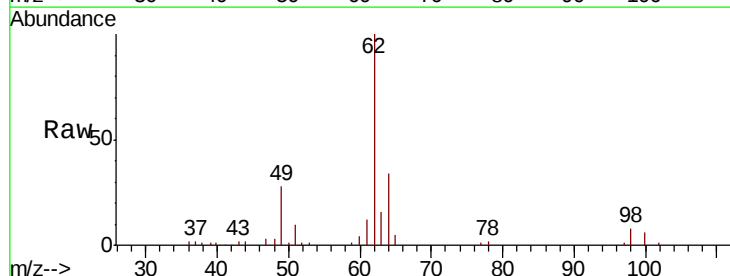


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

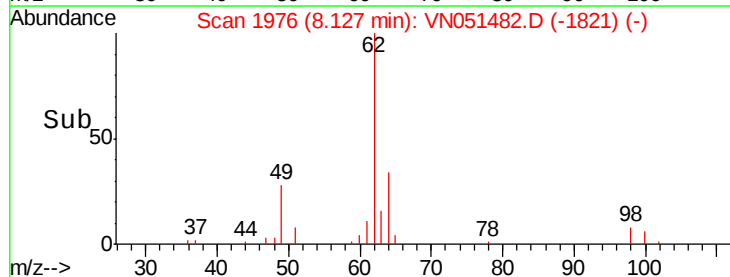
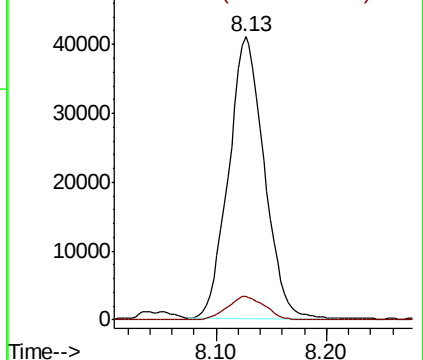


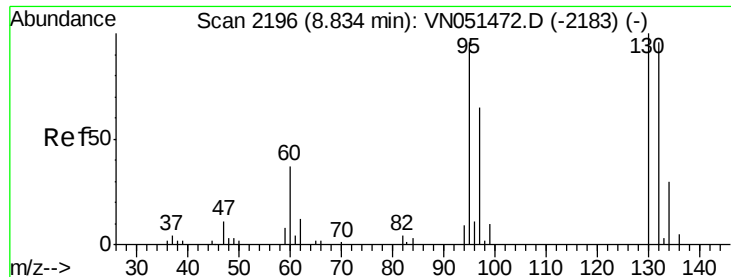
#36
1,2-Dichloroethane
Concen: 17.443 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion:	62	Resp:	91766
Ion	Ratio	Lower	Upper
62	100		
98	8.7	6.9	10.3



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

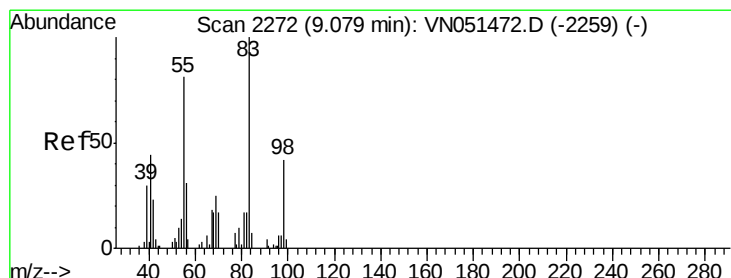
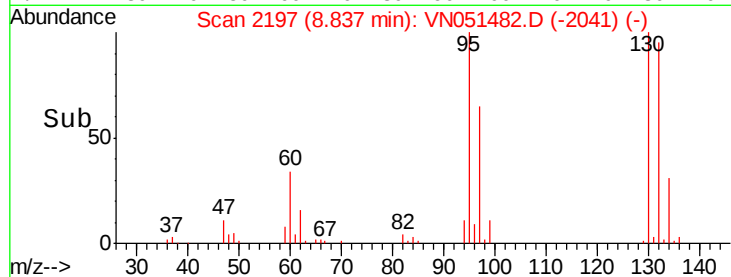
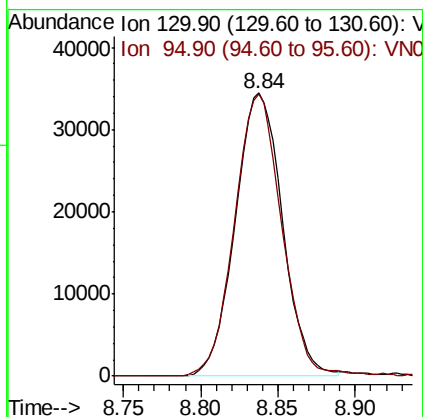
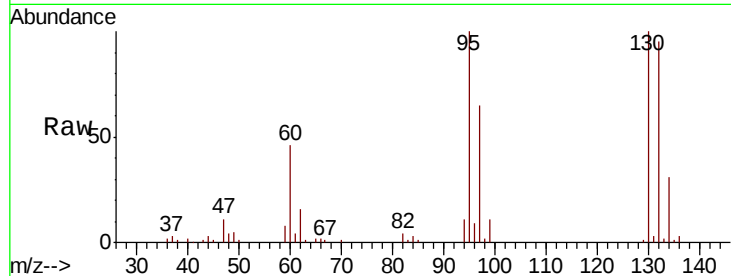




#37
 Trichloroethene
 Concen: 17.058 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

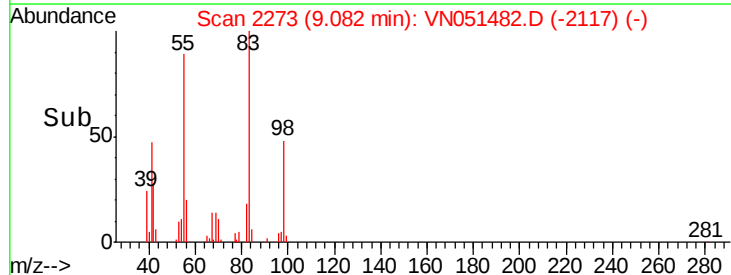
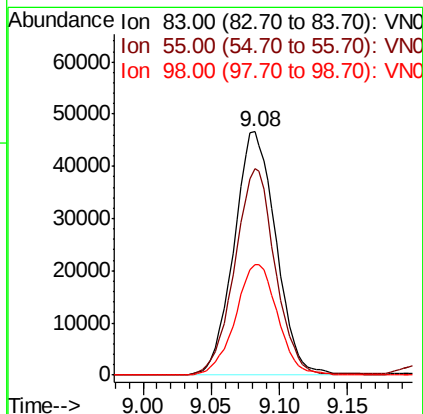
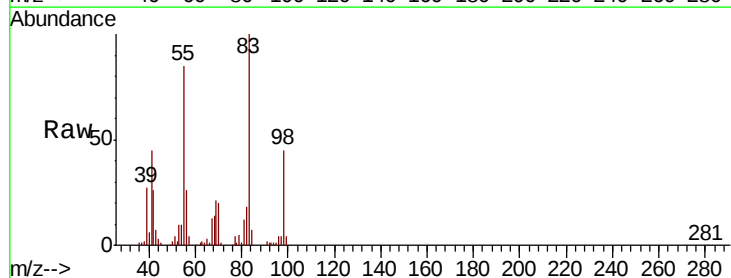
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

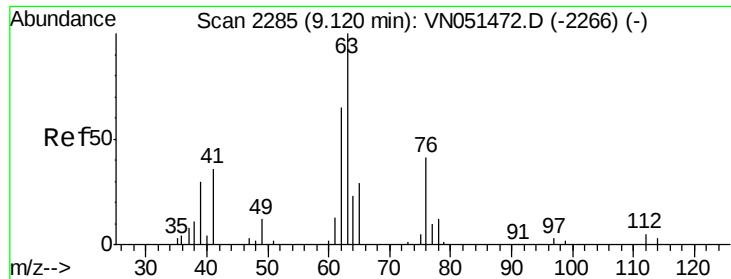
Tot Ion:130 Resp: 73044
 Ion Ratio Lower Upper
 130 100
 95 98.8 76.4 114.6



#38
 Methylcyclohexane
 Concen: 15.791 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion: 83 Resp: 99618
 Ion Ratio Lower Upper
 83 100
 55 81.4 43.0 129.2
 98 45.6 21.3 63.7

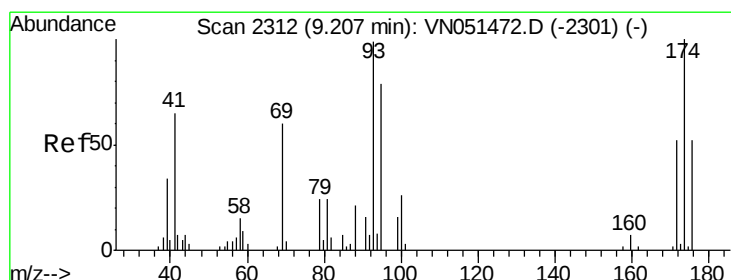
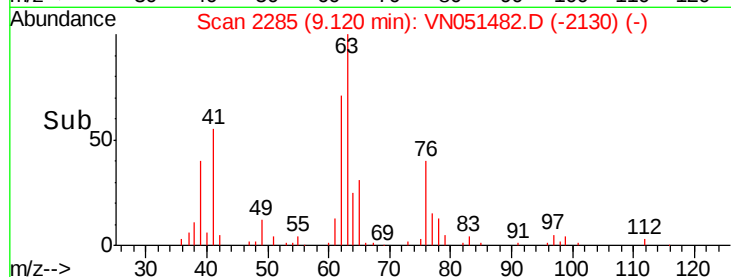
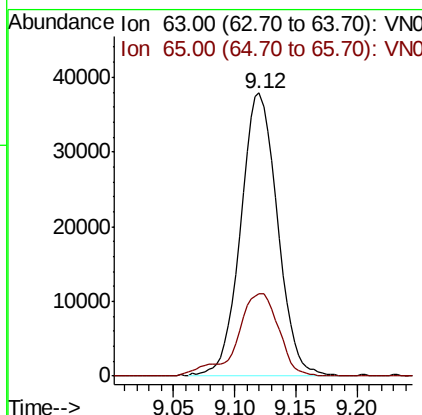
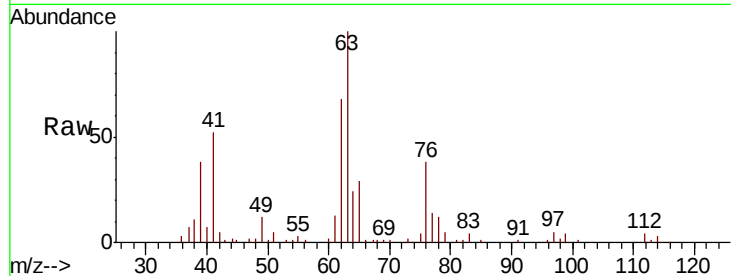




#39
 1,2-Dichloropropane
 Concen: 17.980 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

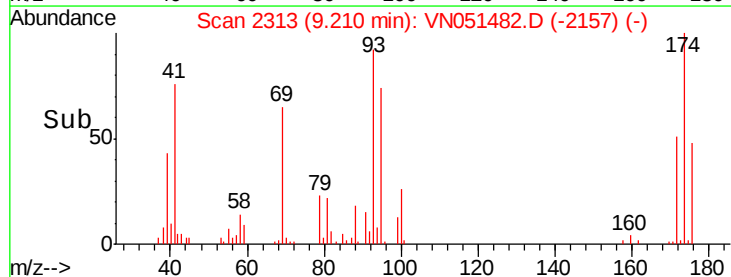
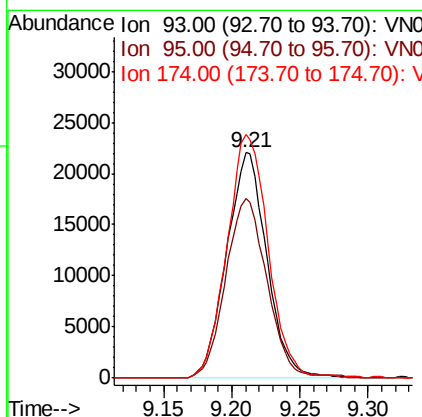
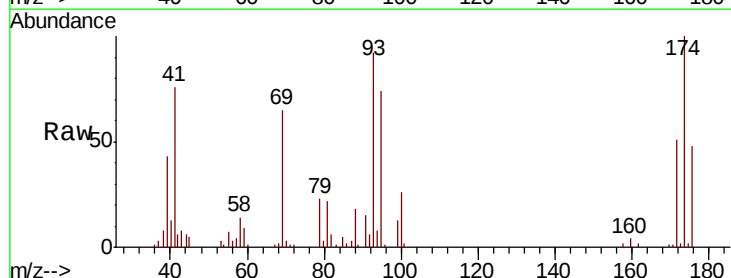
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

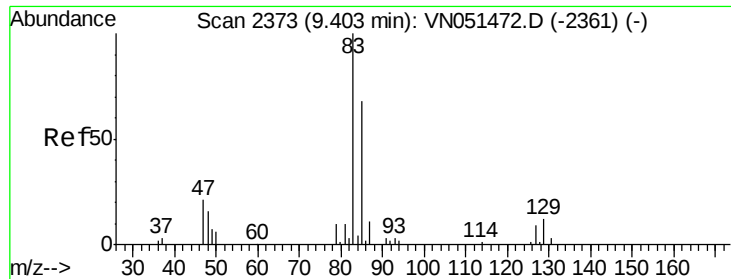
Tot Ion: 63 Resp: 79024
 Ion Ratio Lower Upper
 63 100
 65 29.1 23.2 34.8



#40
 Dibromomethane
 Concen: 18.030 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion: 93 Resp: 45104
 Ion Ratio Lower Upper
 93 100
 95 81.5 0.0 162.0
 174 110.2 0.0 214.0





#41

Bromodichloromethane

Concen: 17.150 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

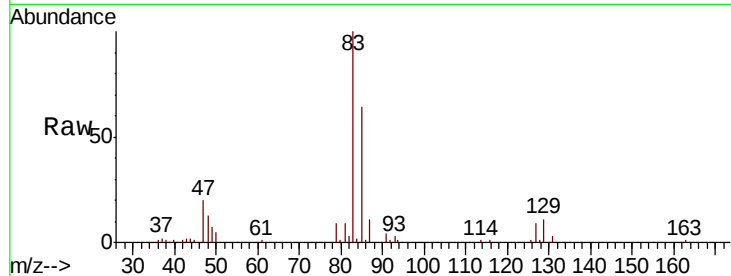
Tot Ion: 83 Resp: 94325

Ion Ratio Lower Upper

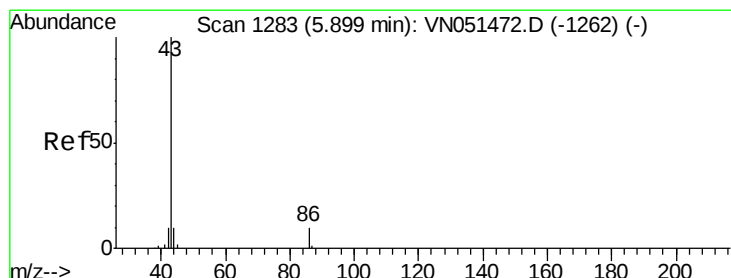
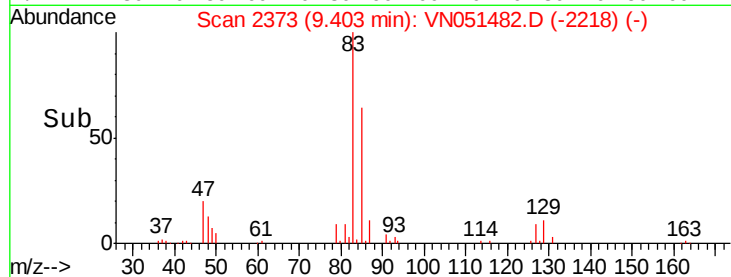
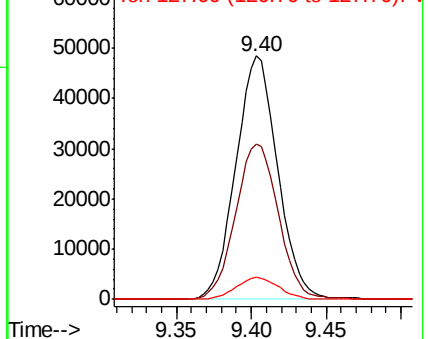
83 100

85 63.9 55.7 83.5

127 9.1 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 84.543 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051482.D

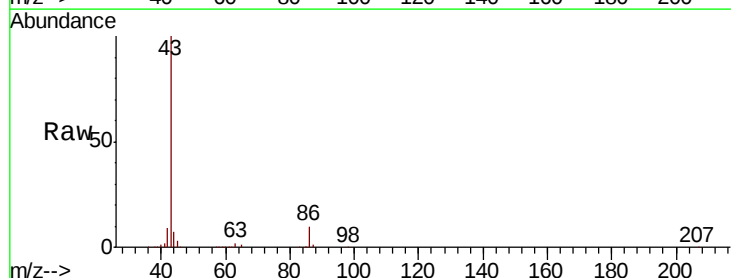
Acq: 25 Sep 2018 14:02

Tgt Ion: 43 Resp: 660821

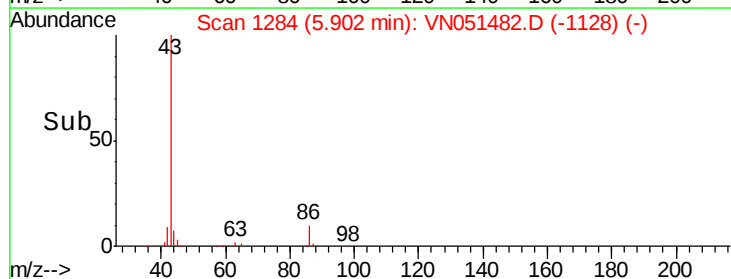
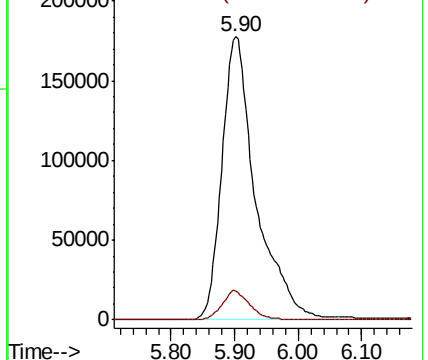
Ion Ratio Lower Upper

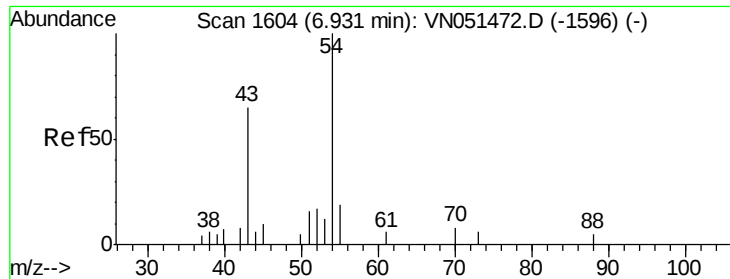
43 100

86 8.5 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

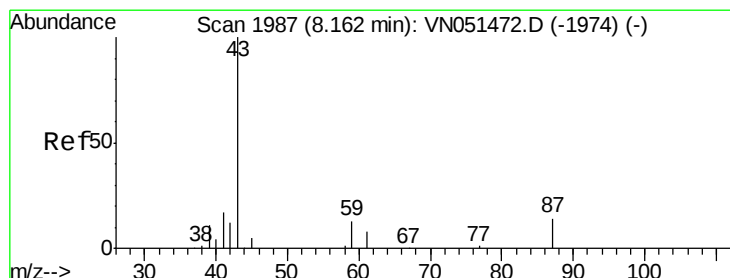
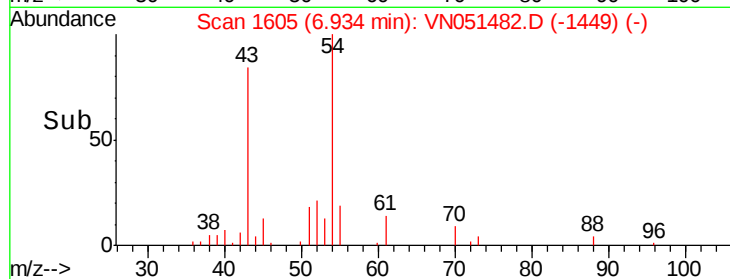
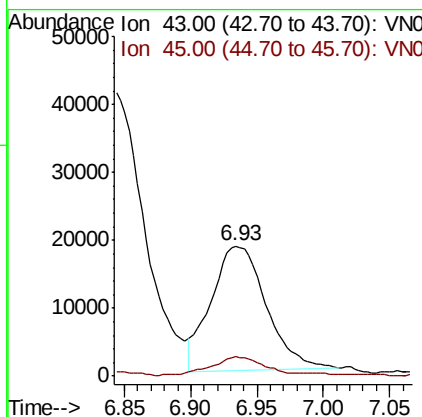
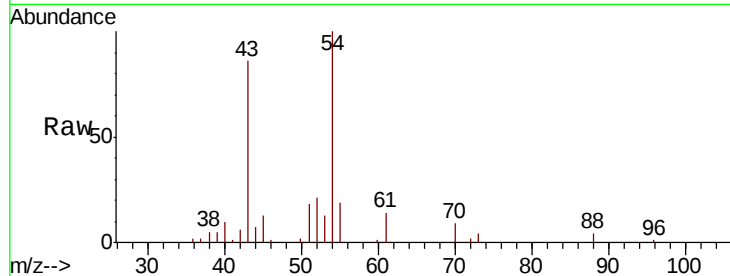




#43
Ethyl Acetate
Concen: 18.055 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

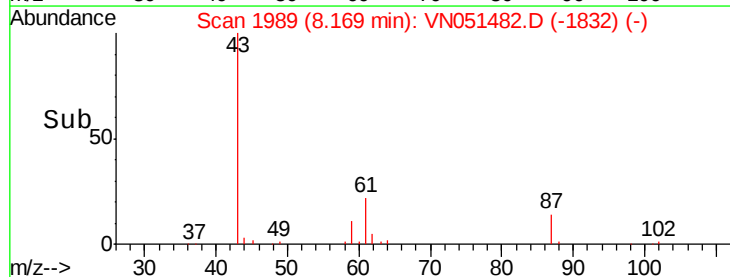
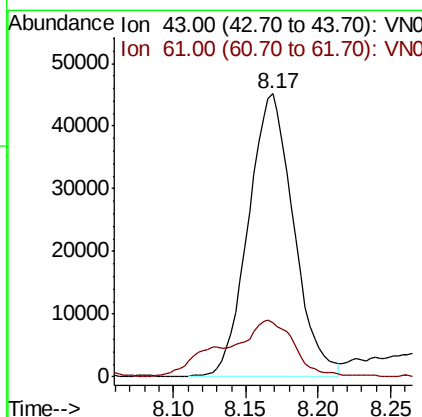
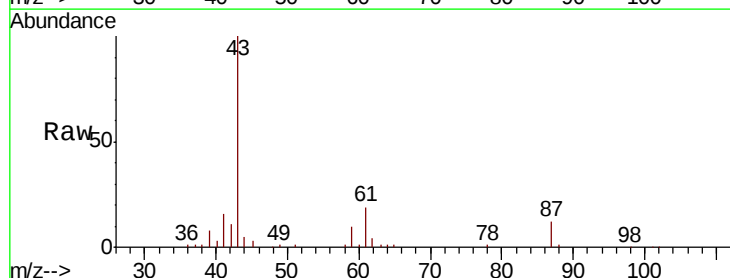
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

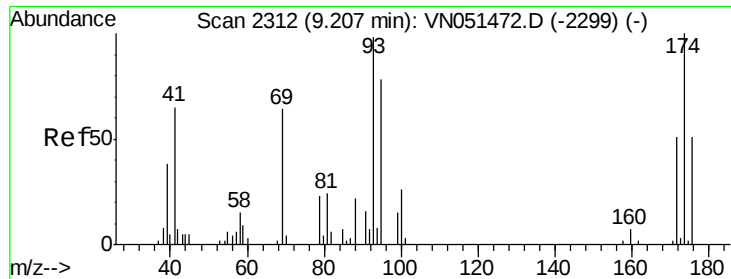
Tot Ion: 43 Resp: 52807
Ion Ratio Lower Upper
43 100
45 13.3 11.0 16.6



#44
Isopropyl Acetate
Concen: 17.446 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion: 43 Resp: 98135
Ion Ratio Lower Upper
43 100
61 17.7 15.9 23.9





#45

1,4-Dioxane

Concen: 329.873 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.01 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

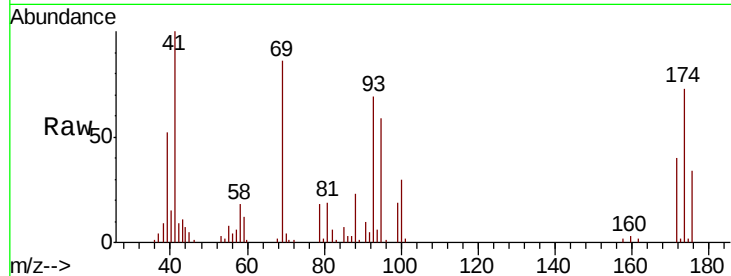
Tot Ion: 88 Resp: 11289

Ion Ratio Lower Upper

88 100

43 35.4 26.2 39.2

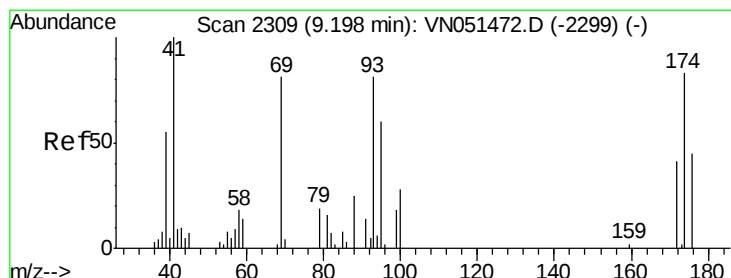
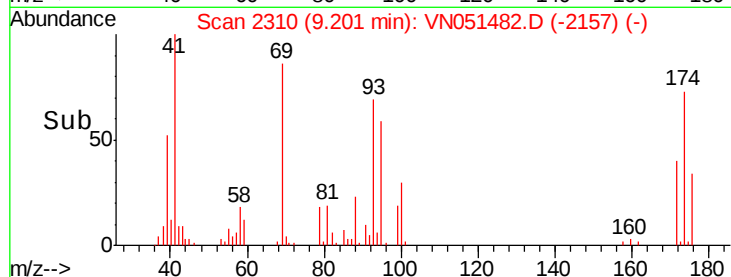
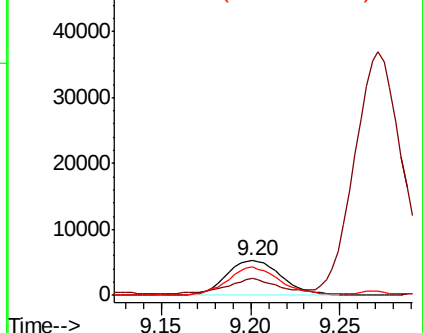
58 76.9 65.6 98.4



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 15.450 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

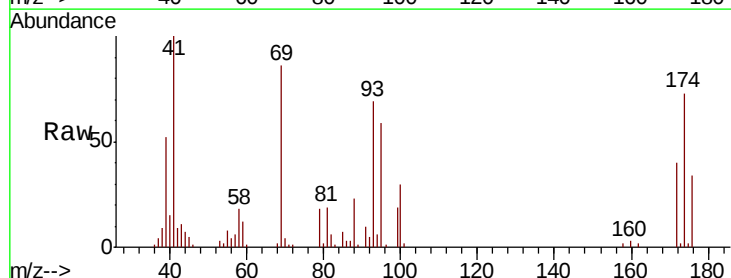
Tgt Ion: 41 Resp: 43038

Ion Ratio Lower Upper

41 100

69 86.7 40.7 122.1

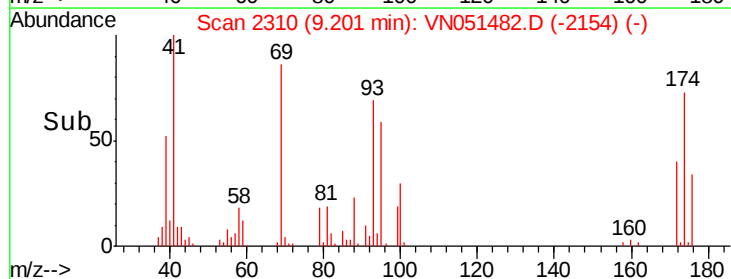
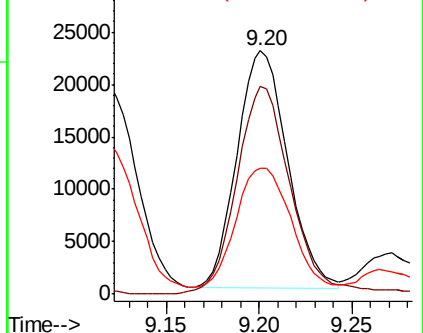
39 50.0 27.3 81.9

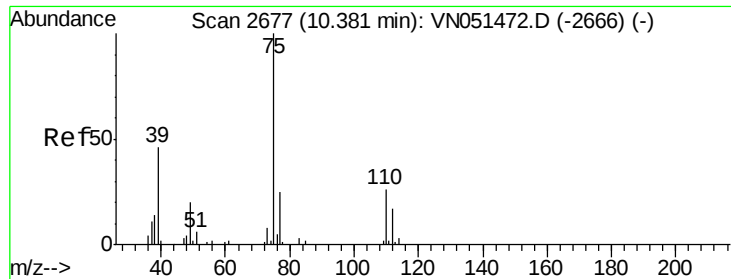


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#48

t-1,3-Dichloropropene

Concen: 16.038 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampled :

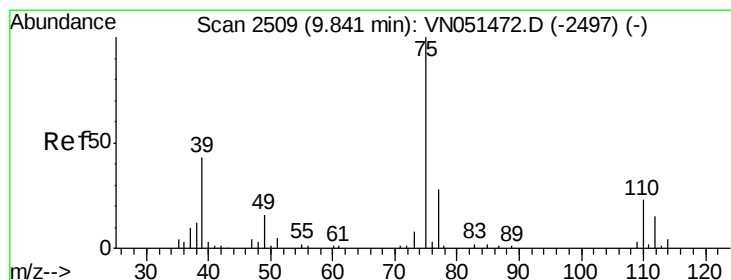
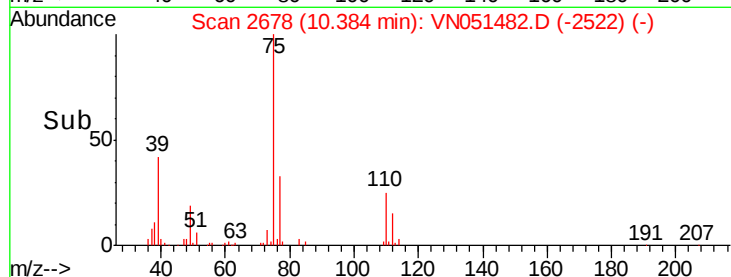
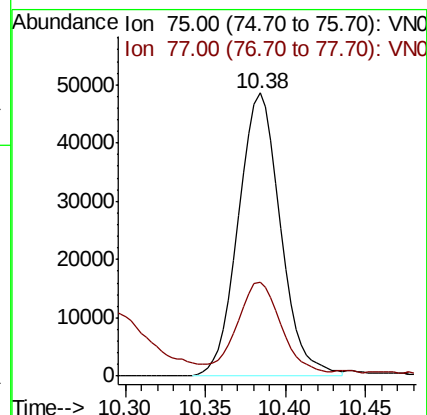
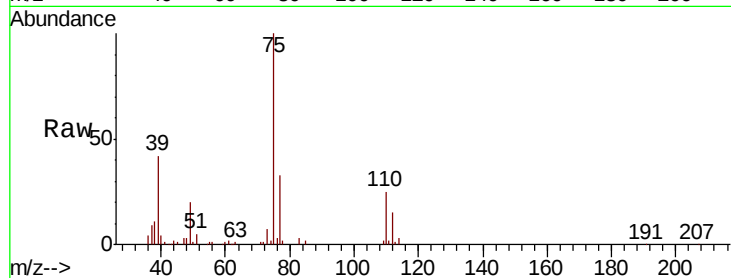
VN0925WBS01

Tot Ion: 75 Resp: 87588

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0



#49

cis-1,3-Dichloropropene

Concen: 17.105 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

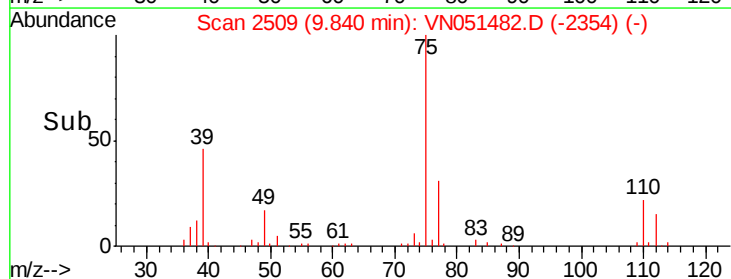
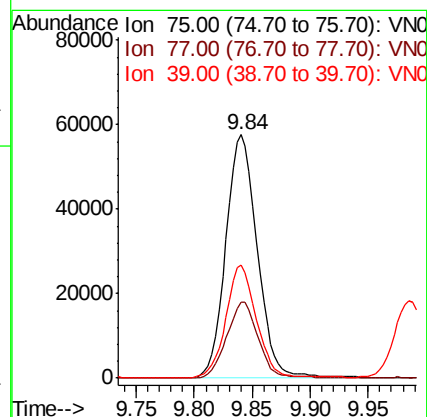
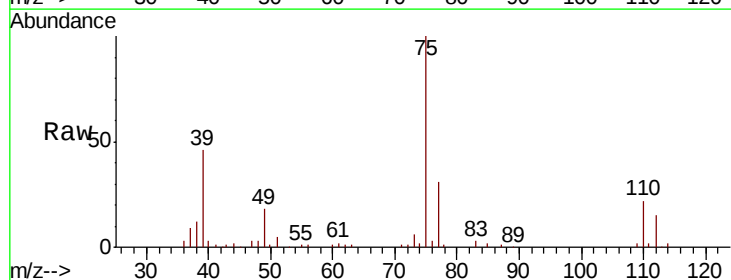
Tgt Ion: 75 Resp: 108132

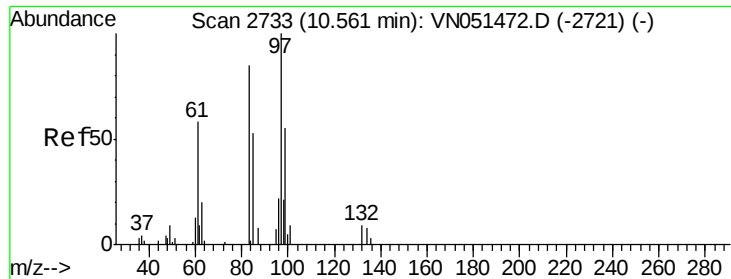
Ion Ratio Lower Upper

75 100

77 31.3 23.2 34.8

39 45.8 34.6 52.0

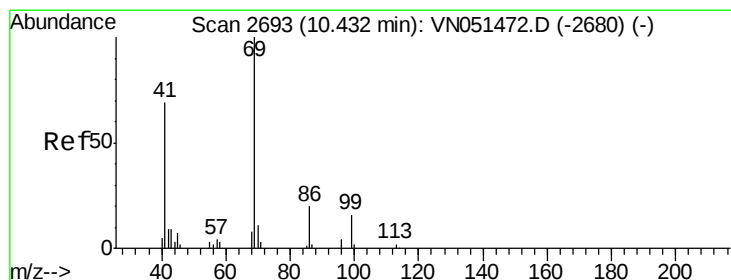
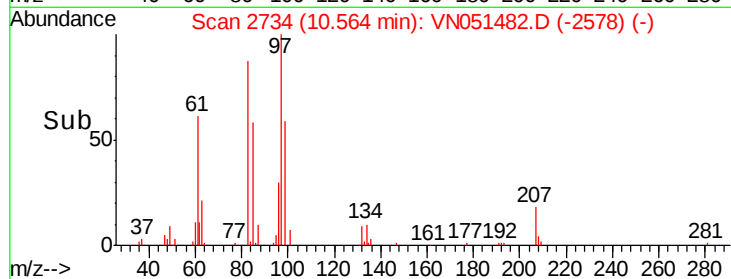
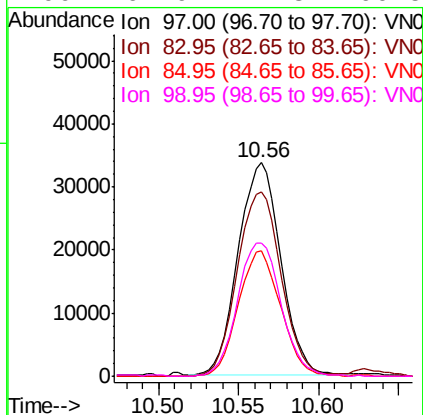
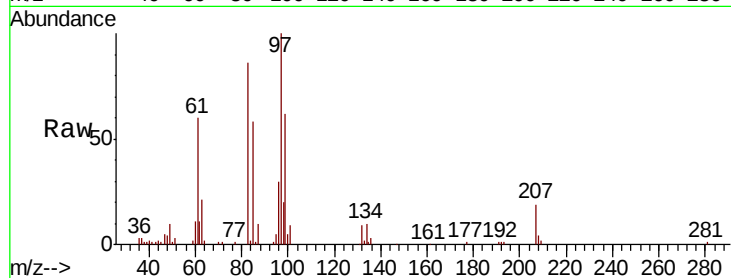




#50
 1,1,2-Trichloroethane
 Concen: 17.080 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

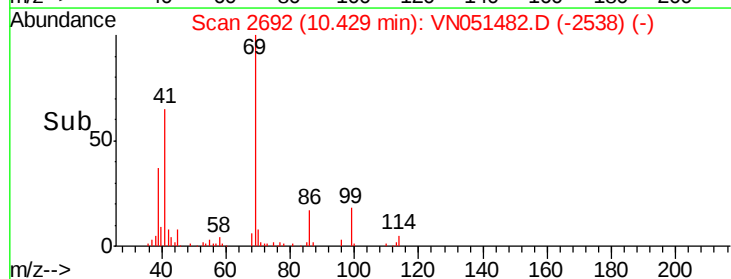
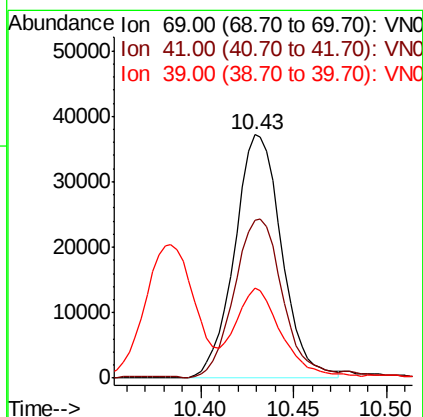
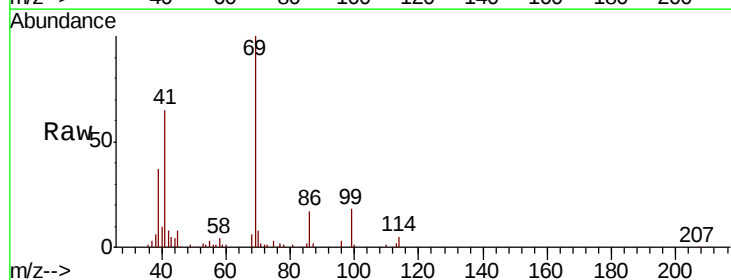
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

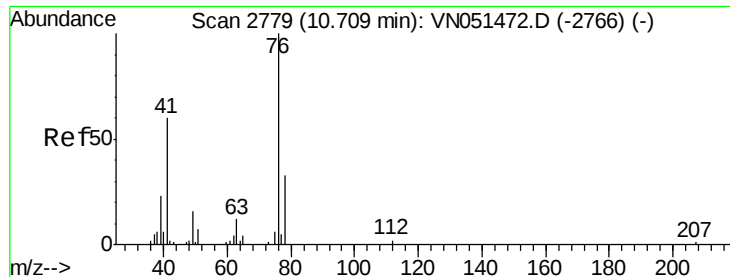
Tot Ion: 97 Resp: 61092
 Ion Ratio Lower Upper
 97 100
 83 87.2 68.2 102.4
 85 58.9 42.5 63.7
 99 62.9 44.3 66.5



#51
 Ethyl methacrylate
 Concen: 15.484 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion: 69 Resp: 65544
 Ion Ratio Lower Upper
 69 100
 41 64.3 34.4 103.1
 39 35.1 16.3 48.8





#52

1,3-Dichloropropane

Concen: 17.411 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

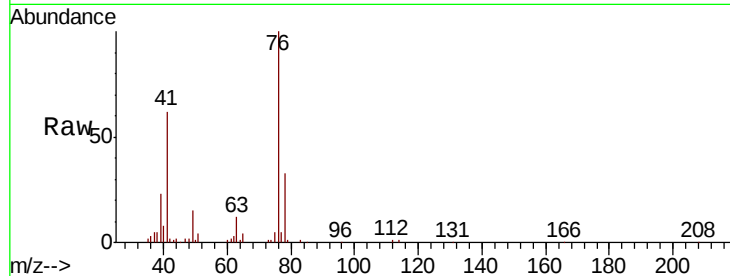
VN0925WBS01

Tot Ion: 76 Resp: 105063

Ion Ratio Lower Upper

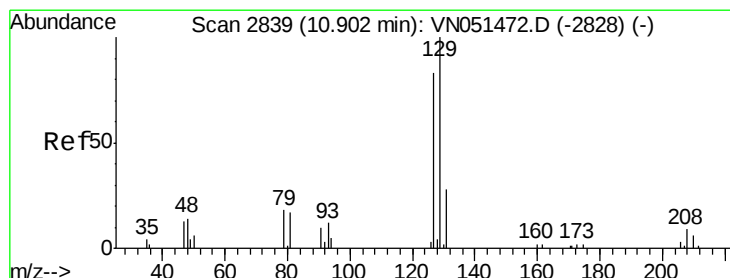
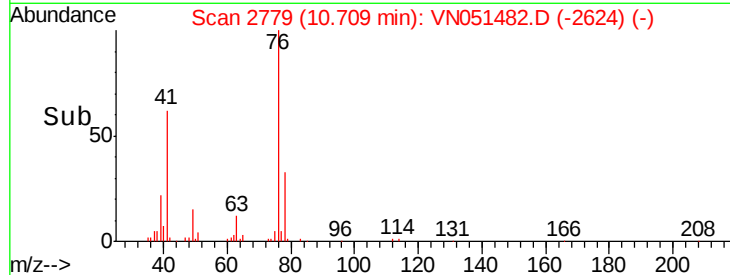
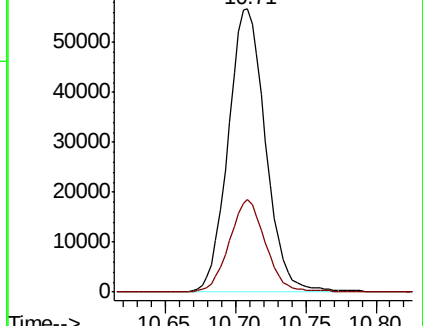
76 100

78 31.5 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN051472.D (-2766) (-)

Ion 78.00 (77.70 to 78.70): VN051472.D (-2766) (-)



#53

Dibromochloromethane

Concen: 17.007 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051482.D

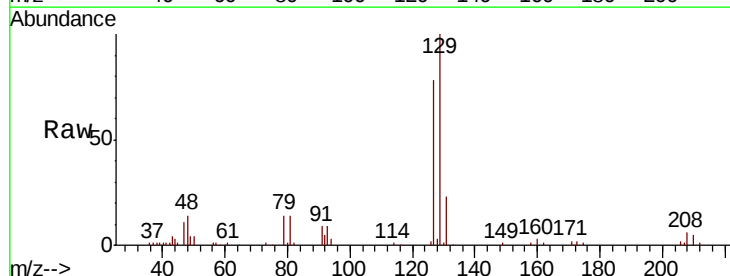
Acq: 25 Sep 2018 14:02

Tgt Ion: 129 Resp: 69972

Ion Ratio Lower Upper

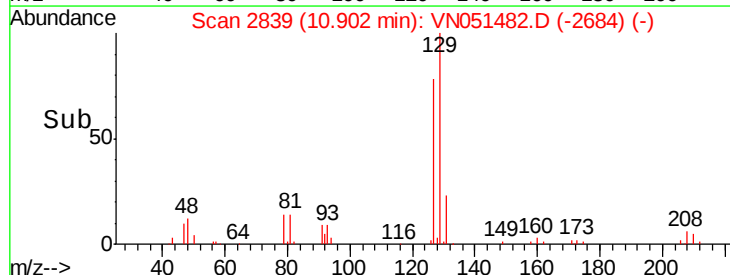
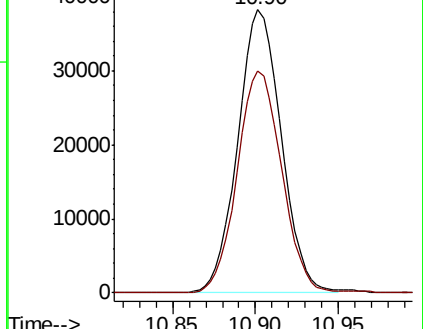
129 100

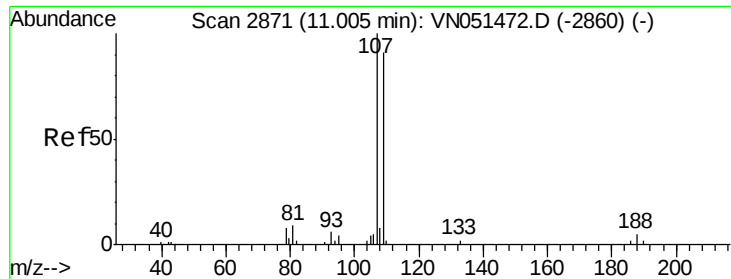
127 79.9 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): VN051472.D (-2828) (-)

Ion 127.00 (126.70 to 127.70): VN051472.D (-2828) (-)

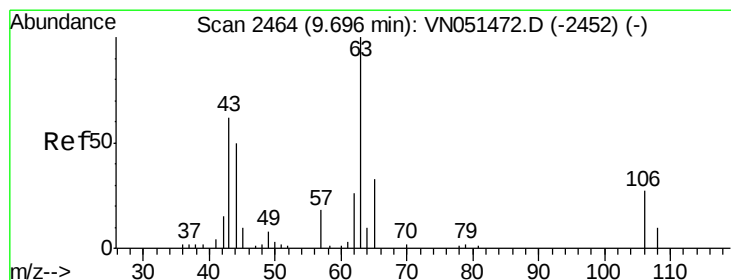
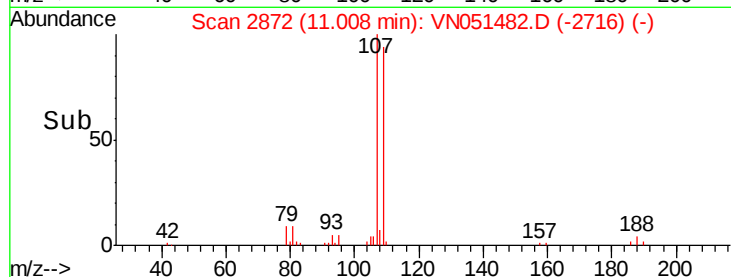
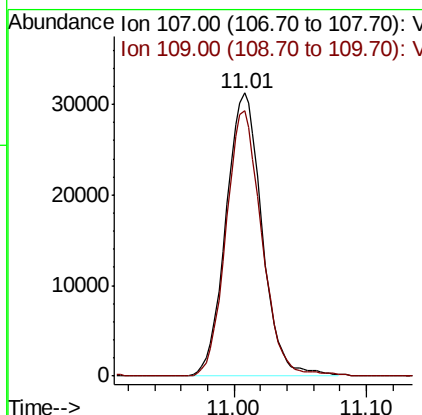
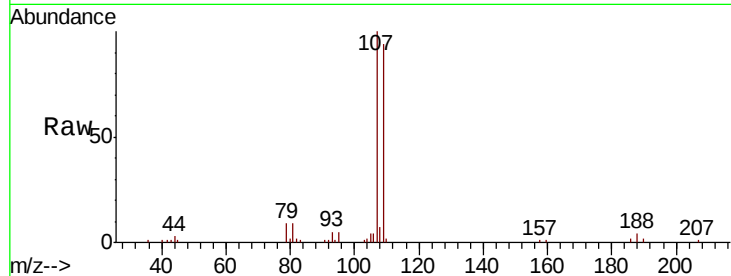




#54
 1,2-Dibromoethane
 Concen: 17.129 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

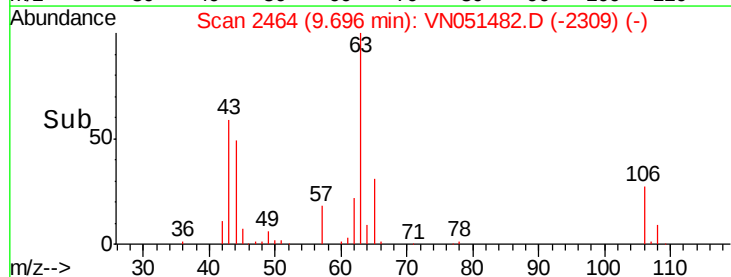
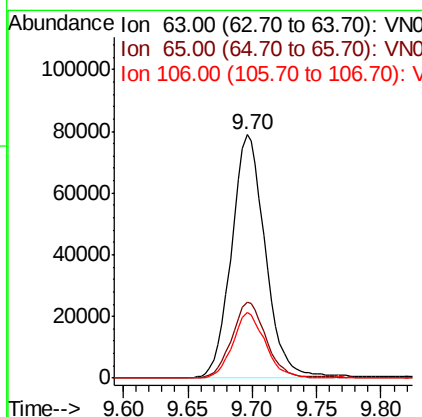
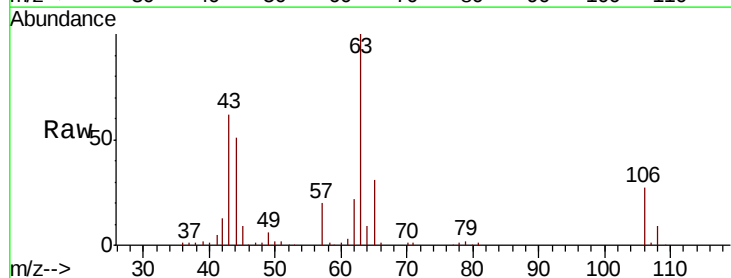
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

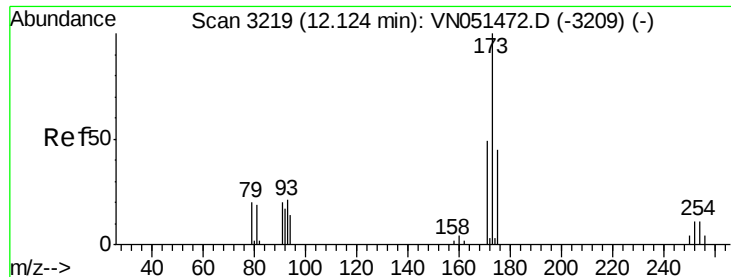
Tot Ion:107 Resp: 59116
 Ion Ratio Lower Upper
 107 100
 109 92.1 77.4 116.0



#55
 2-Chloroethyl vinyl ether
 Concen: 68.963 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion: 63 Resp: 144153
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.4 38.0
 106 25.8 21.2 31.8





#56

Bromoform

Concen: 16.960 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

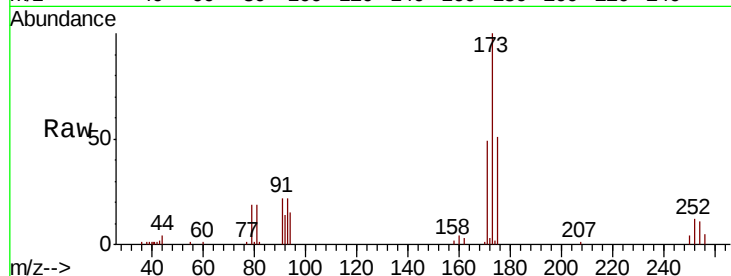
Tot Ion:173 Resp: 47044

Ion Ratio Lower Upper

173 100

175 48.0 35.8 53.8

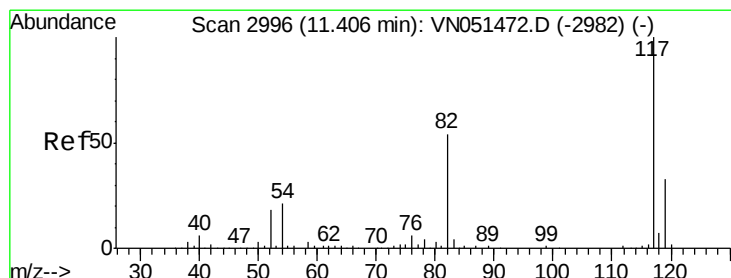
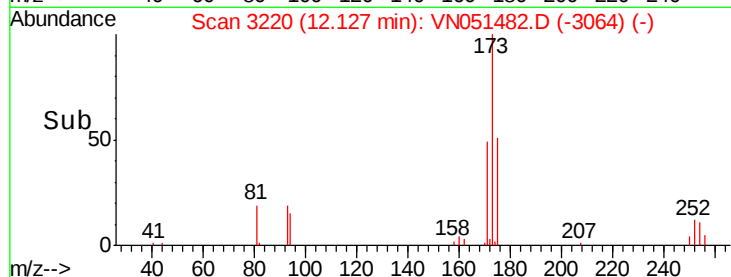
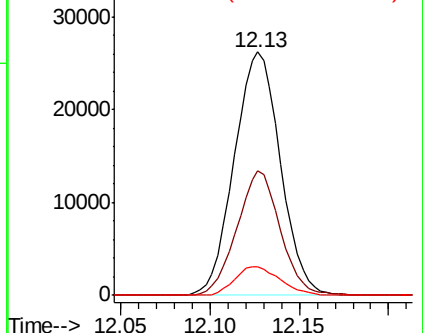
254 11.5 8.6 13.0



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# 2997

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

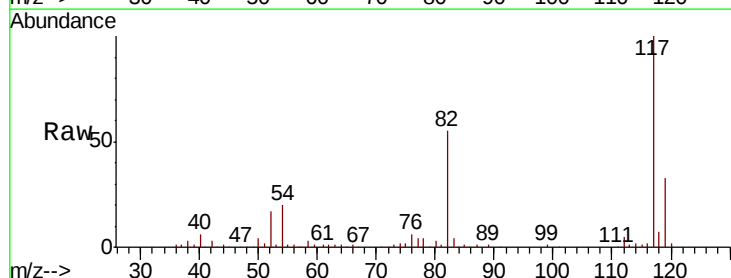
Tgt Ion:117 Resp: 328500

Ion Ratio Lower Upper

117 100

82 55.1 44.1 66.1

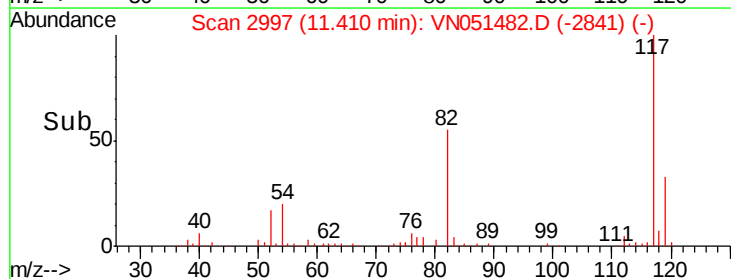
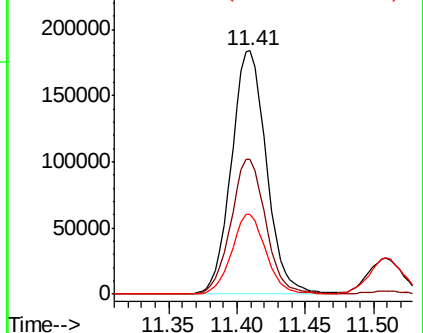
119 31.9 25.8 38.8

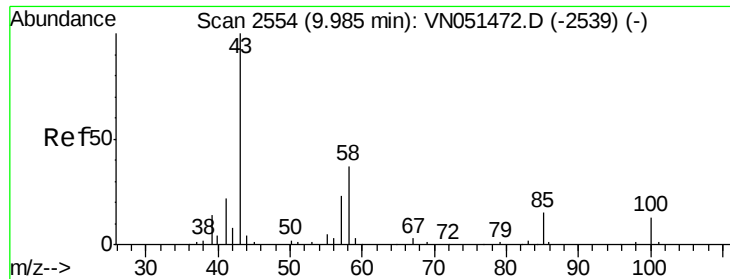


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

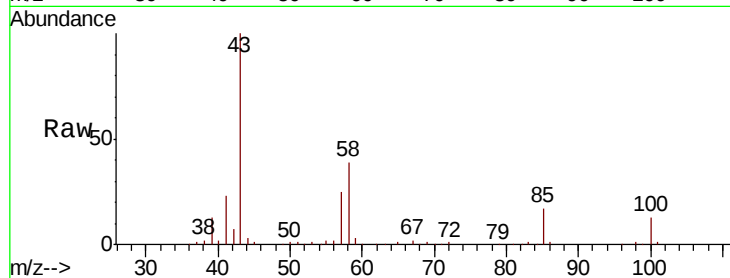




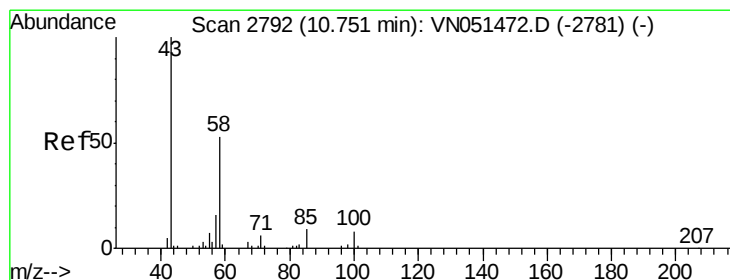
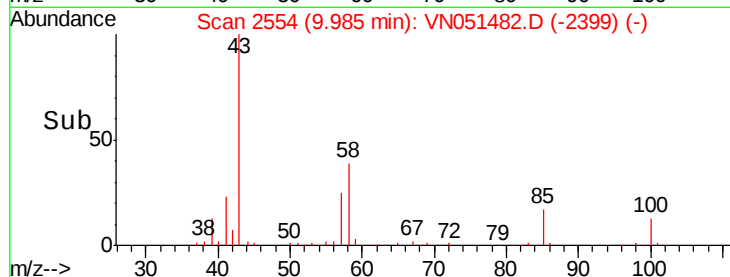
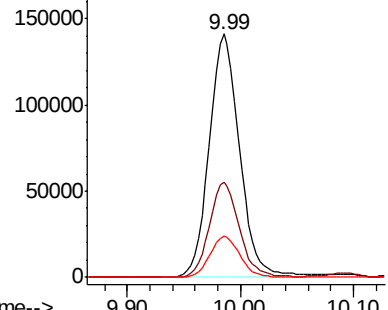
#58
4-Methyl-2-Pentanone
Concen: 90.970 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	29.3	43.9
85	16.6	12.6	18.8

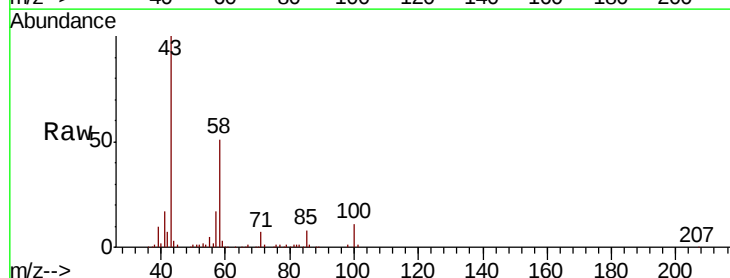


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

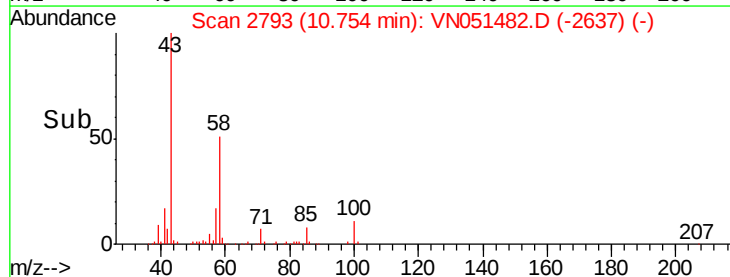
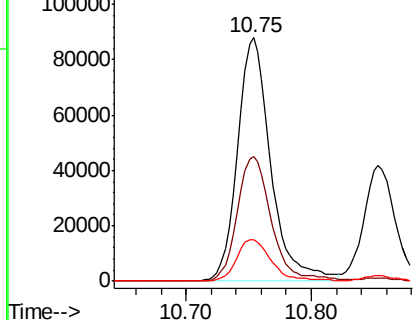


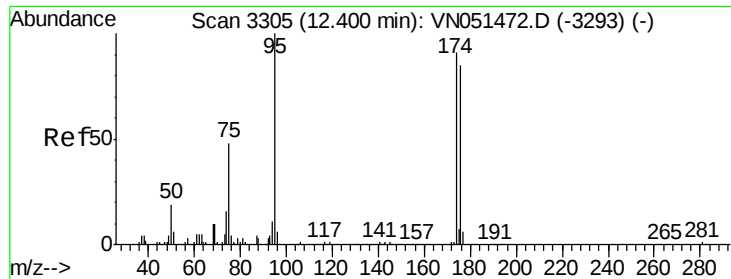
#59
2-Hexanone
Concen: 84.661 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.8	41.3	61.9
57	18.3	13.4	20.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

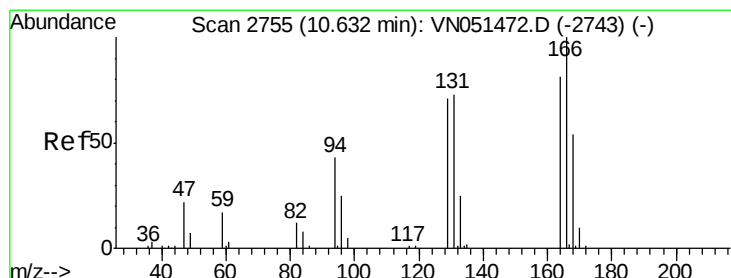
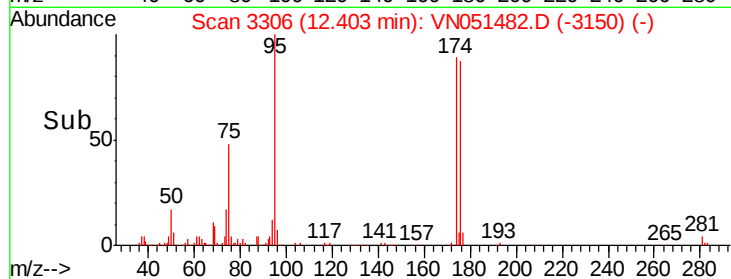
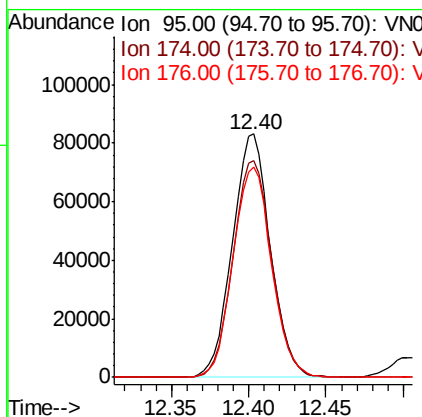
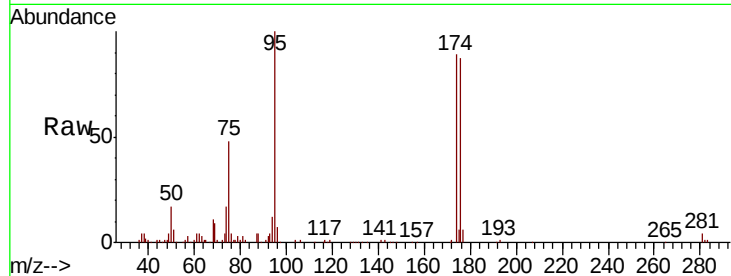




#60
4-Bromofluorobenzene
Concen: 29.389 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

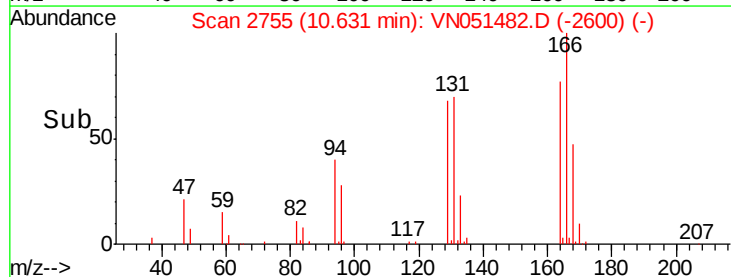
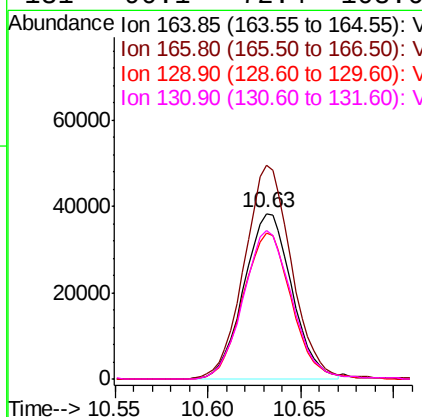
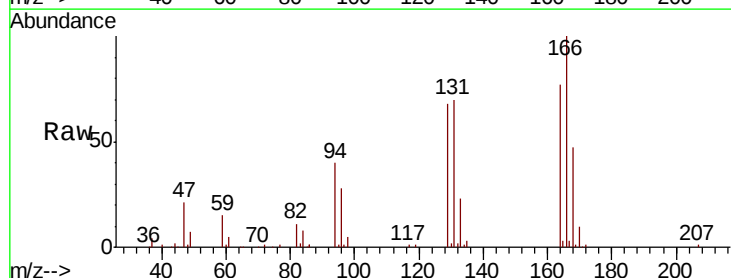
Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

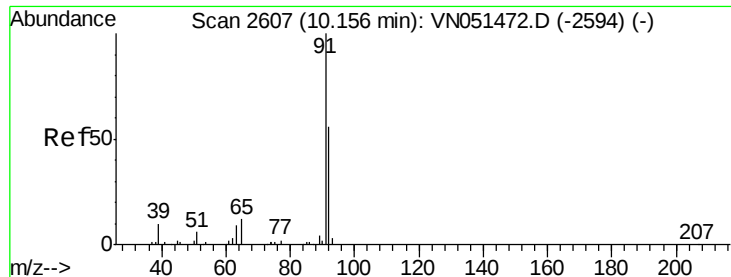
Tot Ion: 95 Resp: 141736
Ion Ratio Lower Upper
95 100
174 90.5 73.5 110.3
176 87.8 70.2 105.2



#61
Tetrachloroethene
Concen: 18.036 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion: 164 Resp: 68930
Ion Ratio Lower Upper
164 100
166 129.1 98.7 148.1
129 88.0 69.6 104.4
131 90.1 72.4 108.6





#62

Toluene

Concen: 18.044 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

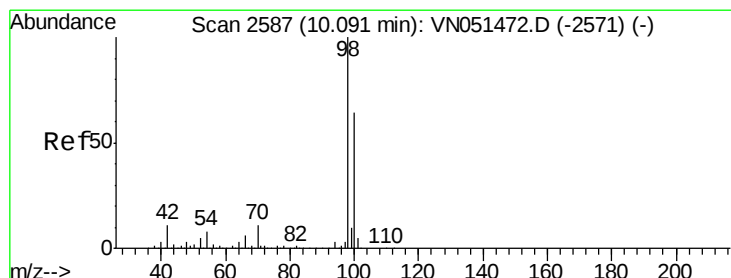
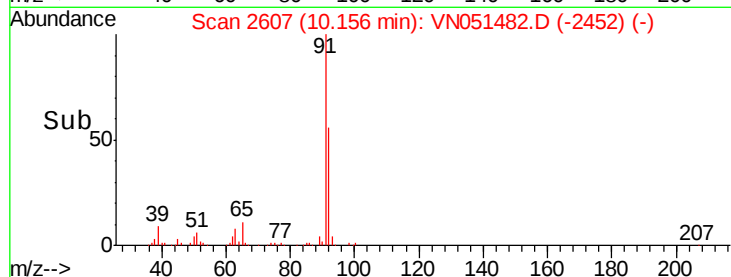
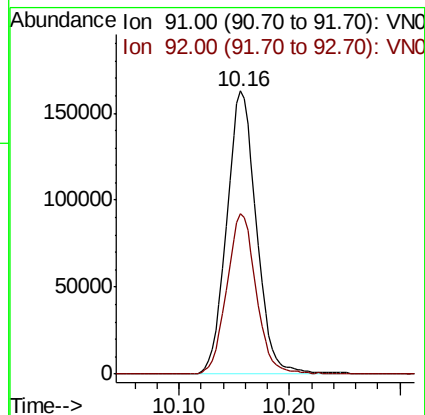
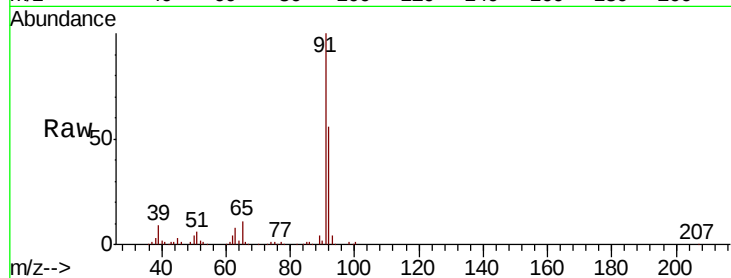
VN0925WBS01

Tot Ion: 91 Resp: 303437

Ion Ratio Lower Upper

91 100

92 56.1 44.6 66.8



#63

Toluene-d8

Concen: 30.854 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051482.D

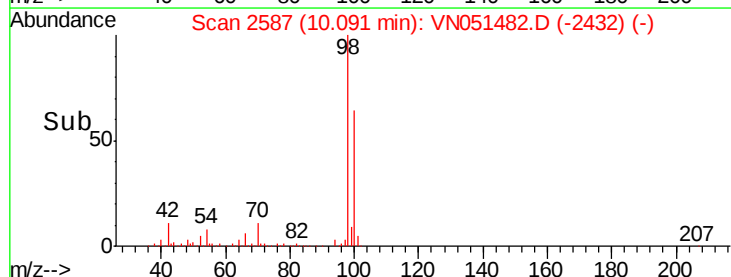
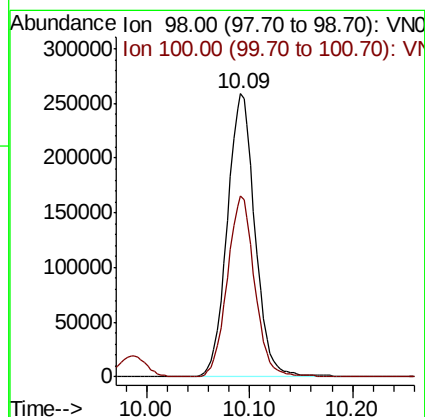
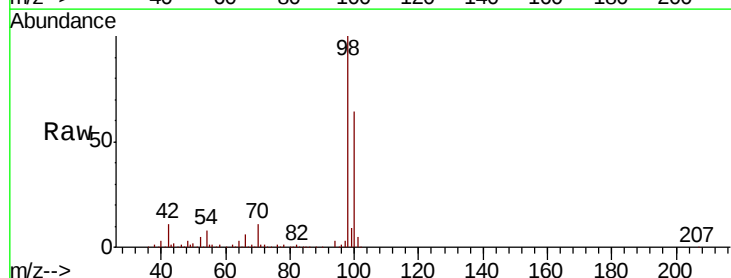
Acq: 25 Sep 2018 14:02

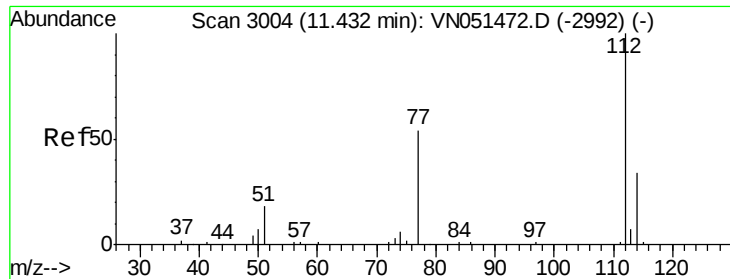
Tgt Ion: 98 Resp: 485968

Ion Ratio Lower Upper

98 100

100 62.5 50.8 76.2

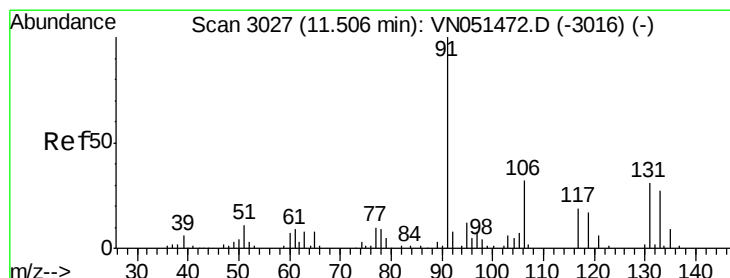
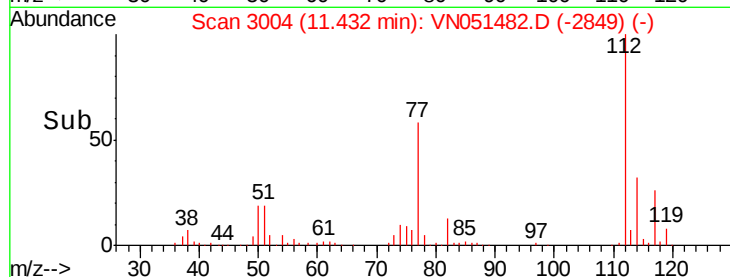
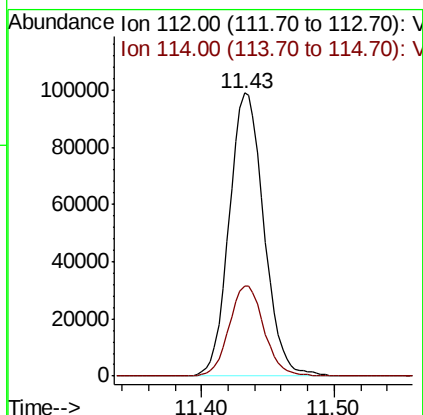
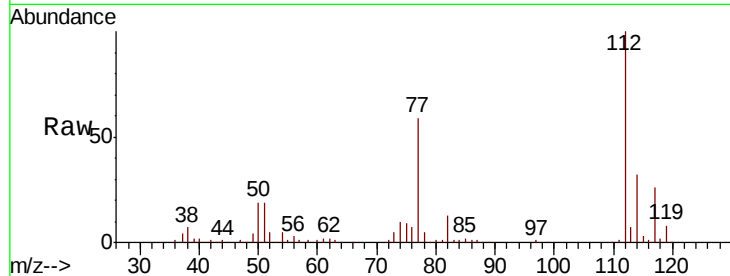




#64
Chlorobenzene
Concen: 17.456 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

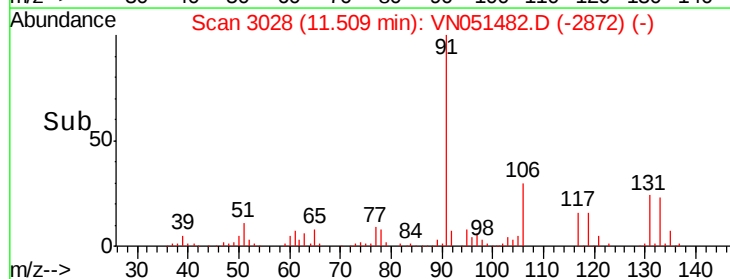
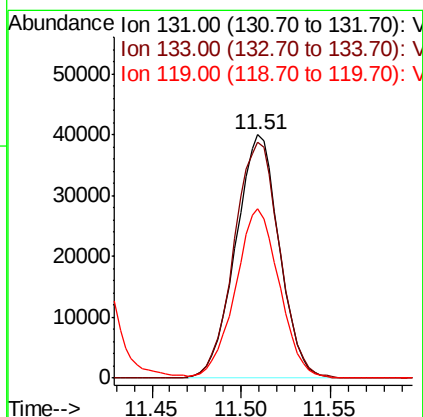
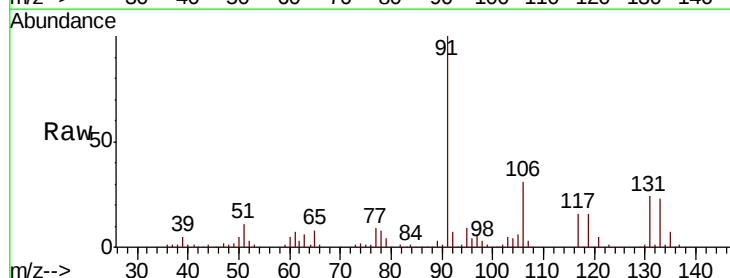
Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

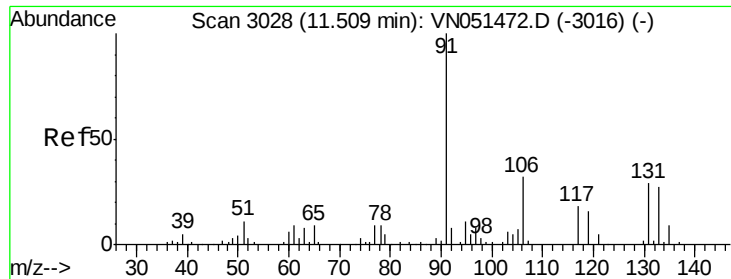
Tot Ion:112 Resp: 179981
Ion Ratio Lower Upper
112 100
114 32.0 27.5 41.3



#65
1,1,1,2-Tetrachloroethane
Concen: 17.186 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion:131 Resp: 68508
Ion Ratio Lower Upper
131 100
133 101.0 0.0 190.4
119 70.1 0.0 128.0

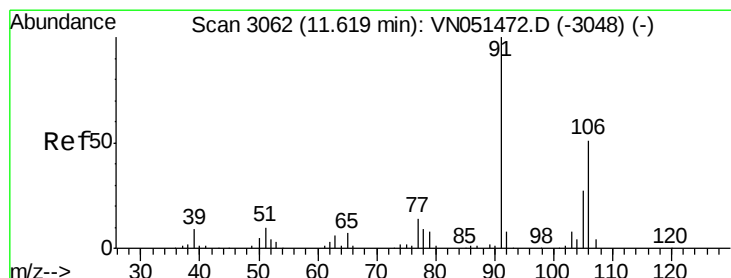
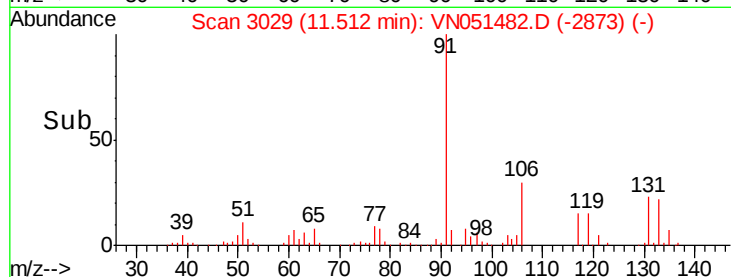
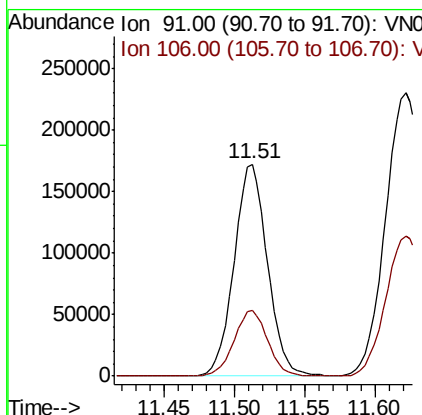
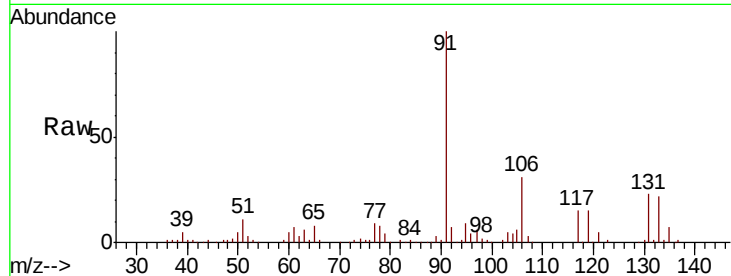




#66
Ethyl Benzene
Concen: 16.471 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

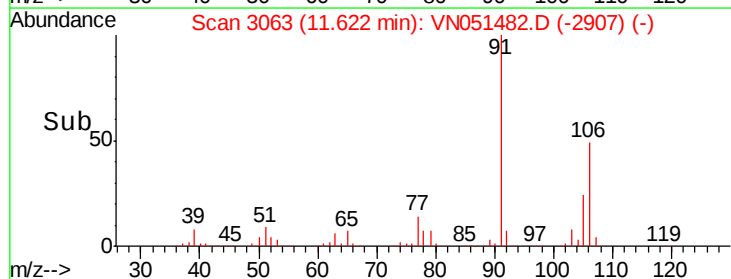
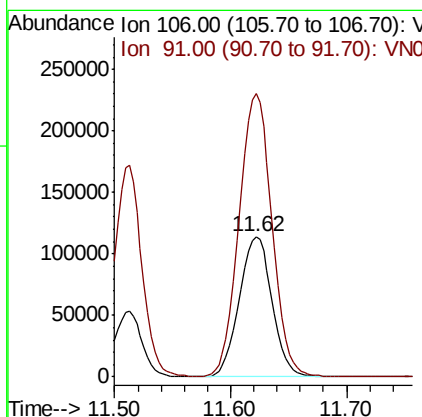
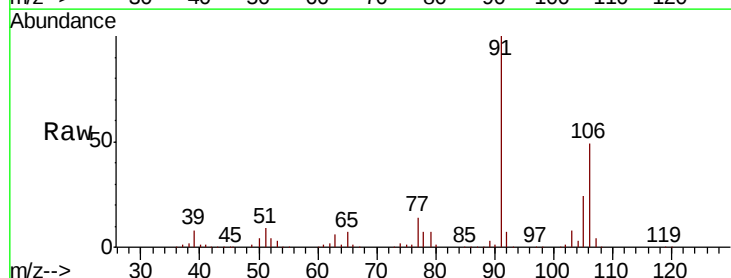
Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

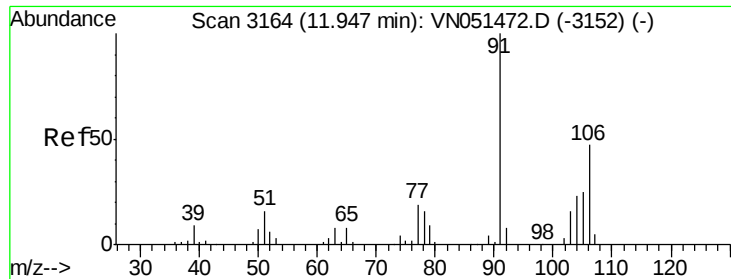
Tot Ion: 91 Resp: 285757
Ion Ratio Lower Upper
91 100
106 30.9 25.9 38.9



#67
m/p-Xylenes
Concen: 33.486 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion: 106 Resp: 223649
Ion Ratio Lower Upper
106 100
91 202.6 158.8 238.2

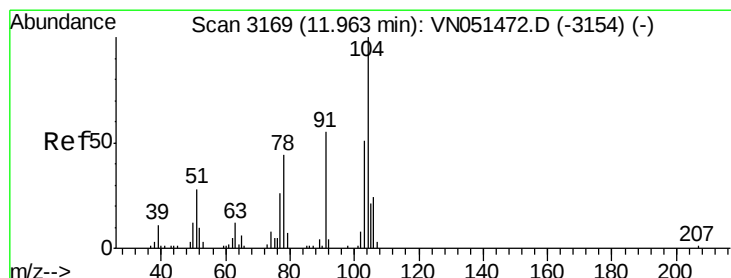
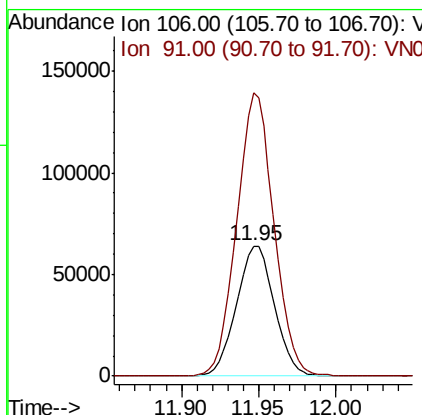
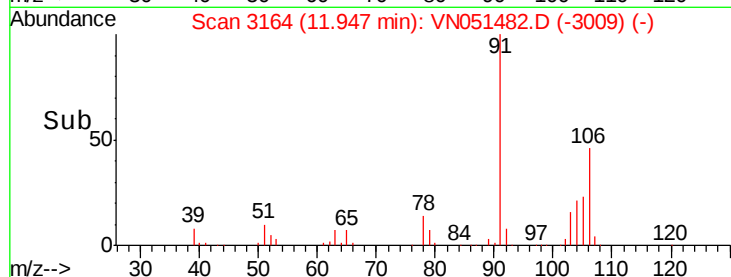
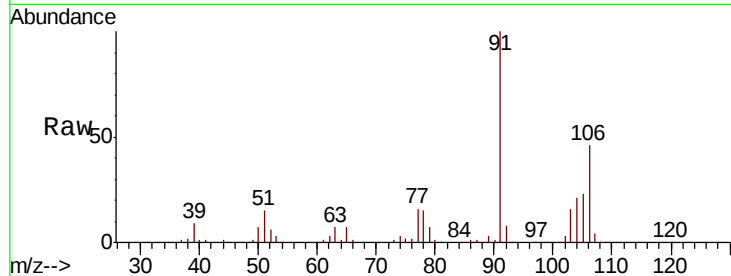




#68
o-Xylene
Concen: 17.187 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

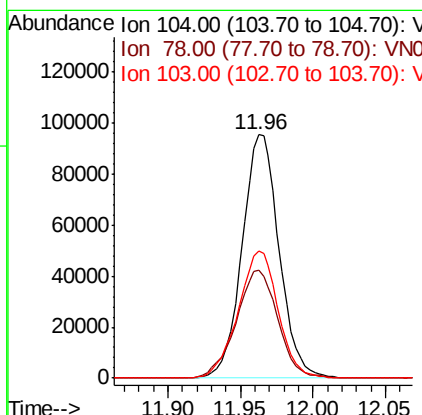
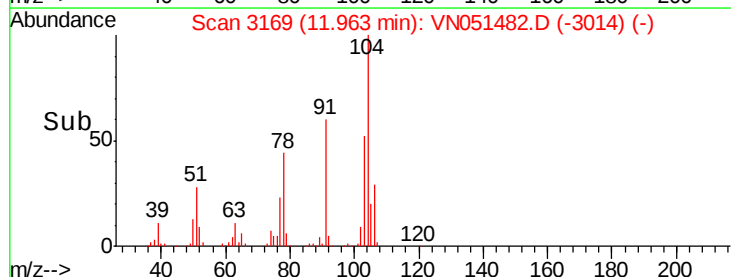
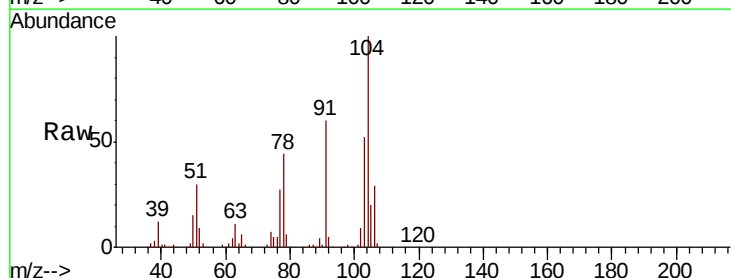
Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

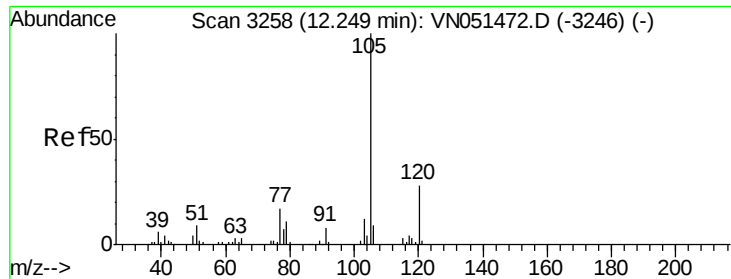
Tot Ion:106 Resp: 109329
Ion Ratio Lower Upper
106 100
91 212.2 111.1 333.3



#69
Styrene
Concen: 16.852 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion:104 Resp: 169338
Ion Ratio Lower Upper
104 100
78 49.9 40.6 60.8
103 56.6 44.0 66.0





#70

Isopropylbenzene

Concen: 16.721 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

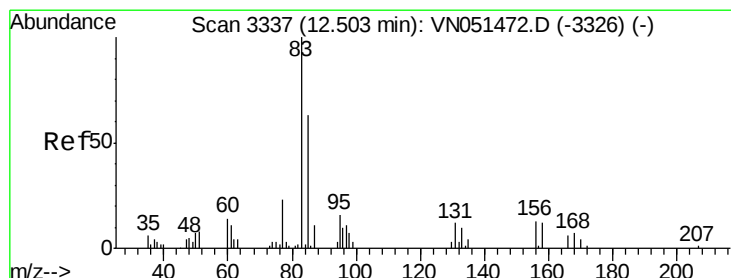
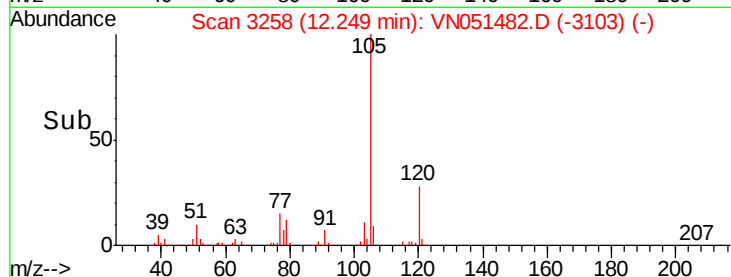
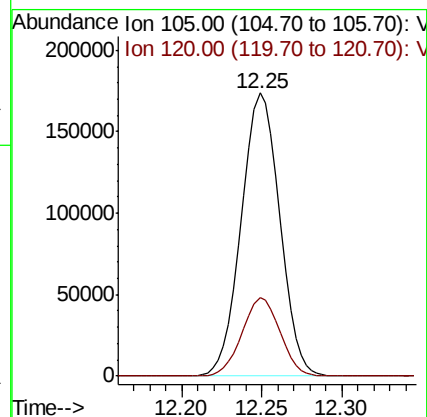
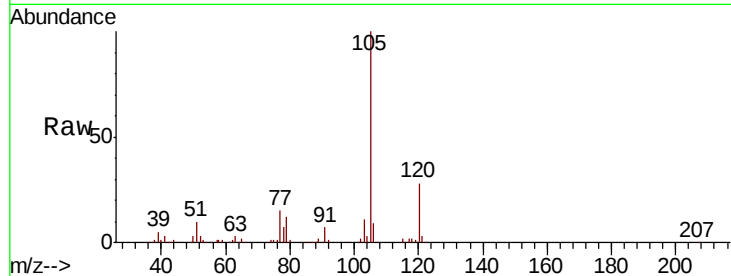
VN0925WBS01

Tot Ion:105 Resp: 284668

Ion Ratio Lower Upper

105 100

120 27.4 19.0 35.4



#71

1,1,2,2-Tetrachloroethane

Concen: 18.600 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

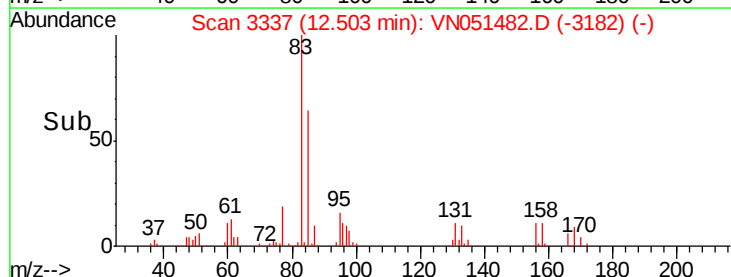
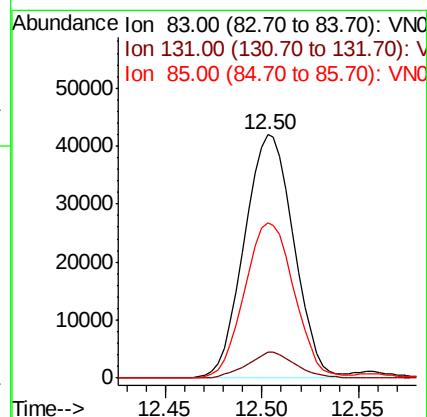
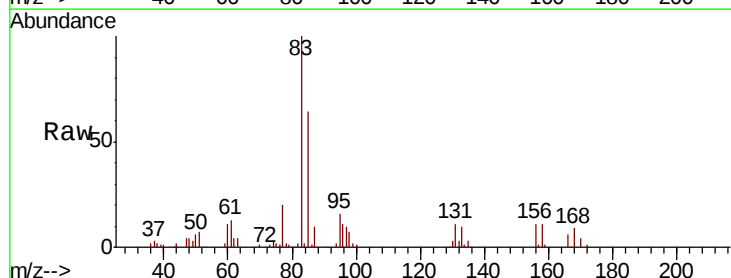
Tgt Ion: 83 Resp: 74538

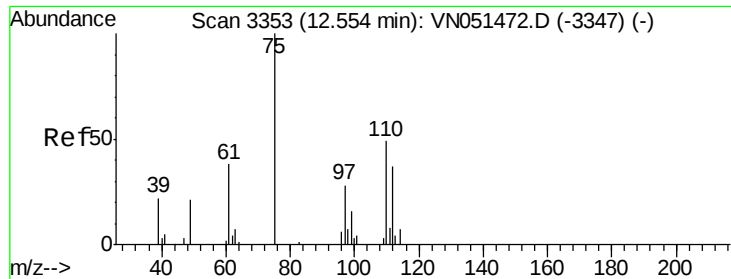
Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

85 64.2 30.6 91.8





#72

1,2,3-Trichloropropane

Concen: 28.006 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

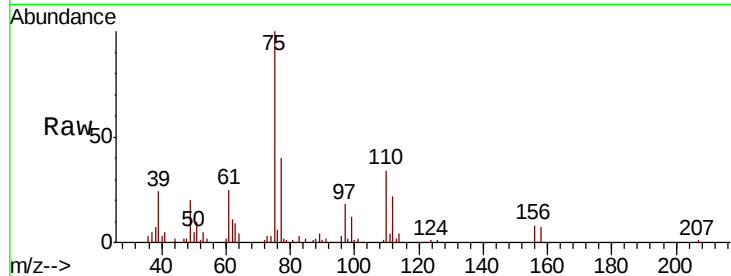
VN0925WBS01

Tot Ion: 75 Resp: 88506

Ion Ratio Lower Upper

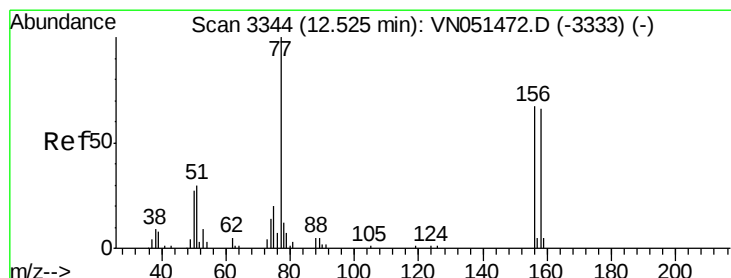
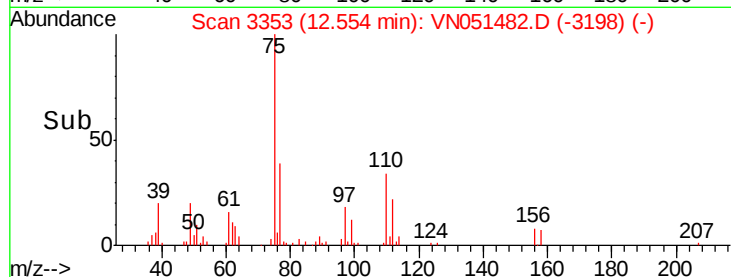
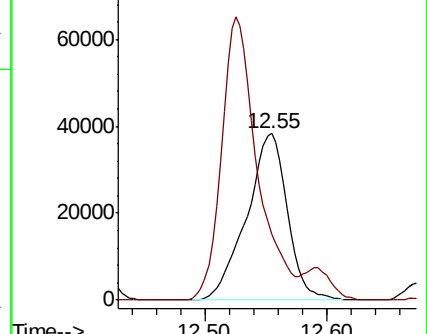
75 100

77 150.5 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN051472.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN051472.D (-3347) (-)



#73

Bromobenzene

Concen: 16.700 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

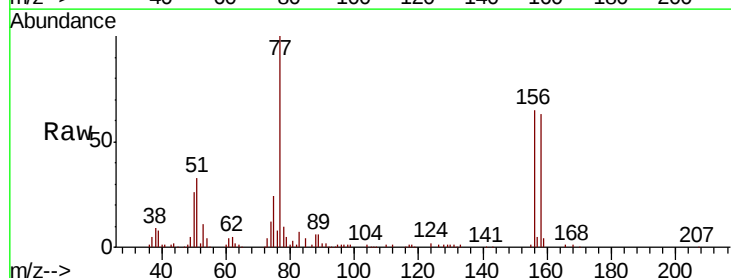
Tgt Ion: 156 Resp: 71651

Ion Ratio Lower Upper

156 100

77 185.8 0.0 377.4

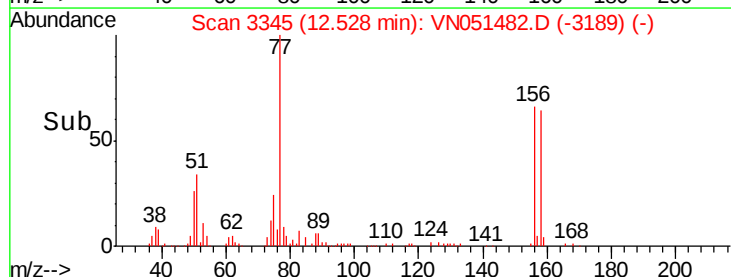
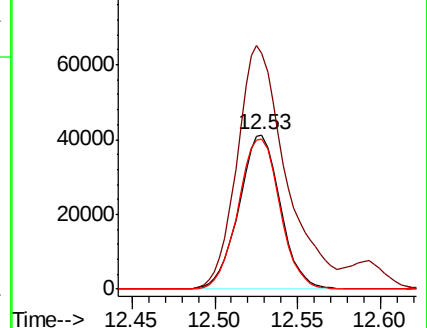
158 98.5 0.0 203.0

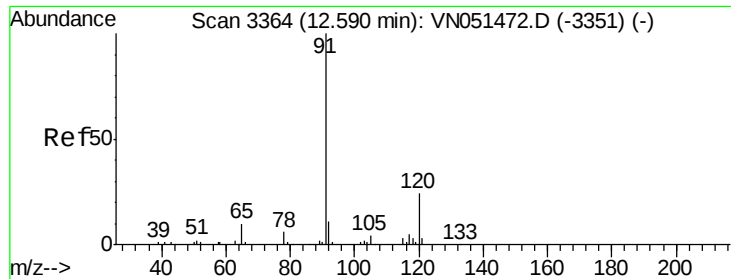


Abundance Ion 156.00 (155.70 to 156.70): VN051472.D (-3333) (-)

Ion 77.00 (76.70 to 77.70): VN051472.D (-3333) (-)

Ion 158.00 (157.70 to 158.70): VN051472.D (-3333) (-)





#74

n-propylbenzene

Concen: 15.902 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampled :

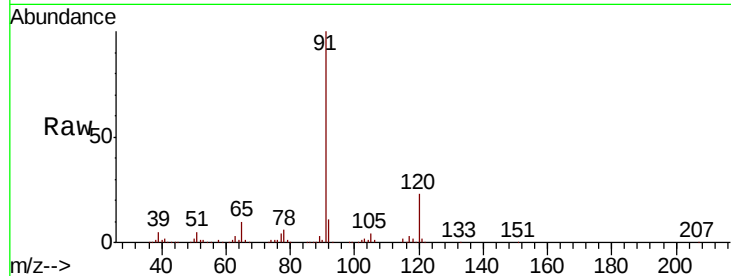
VN0925WBS01

Tot Ion: 91 Resp: 314730

Ion Ratio Lower Upper

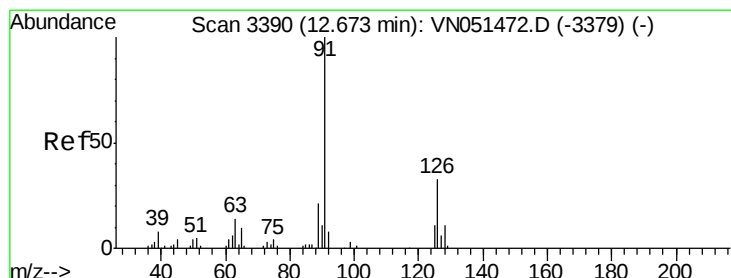
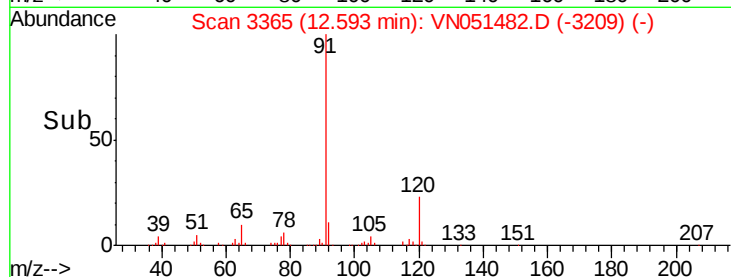
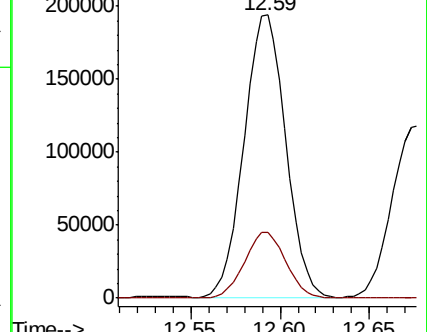
91 100

120 23.1 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 16.954 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051482.D

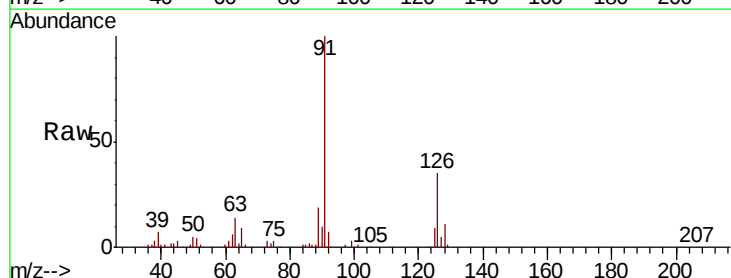
Acq: 25 Sep 2018 14:02

Tgt Ion: 91 Resp: 198024

Ion Ratio Lower Upper

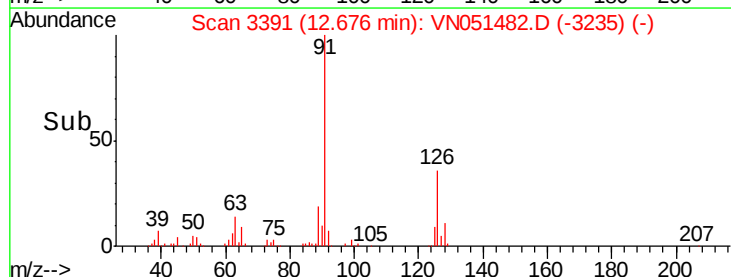
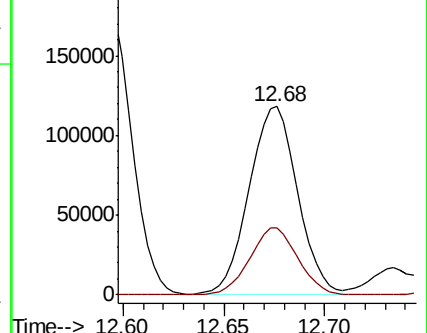
91 100

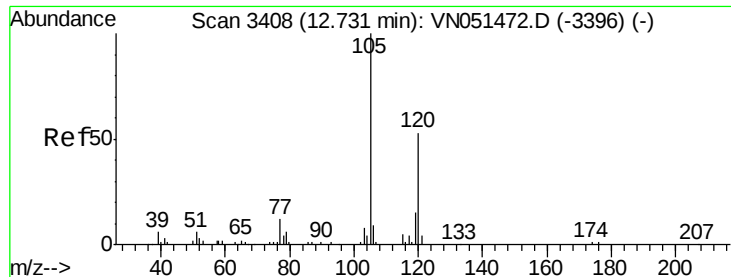
126 35.3 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#76

1,3,5-Trimethylbenzene

Concen: 17.011 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

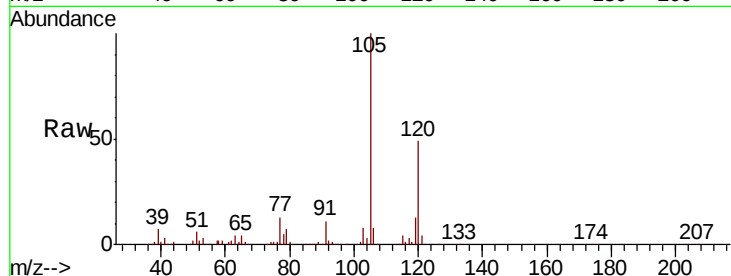
VN0925WBS01

Tot Ion:105 Resp: 238958

Ion Ratio Lower Upper

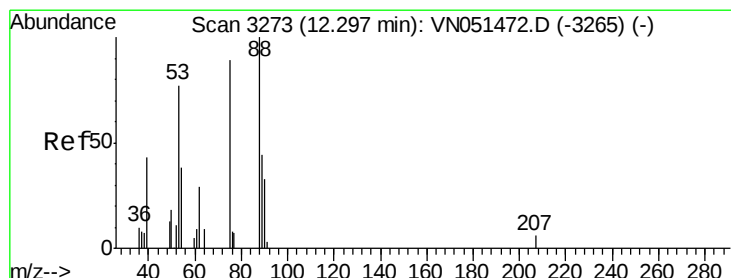
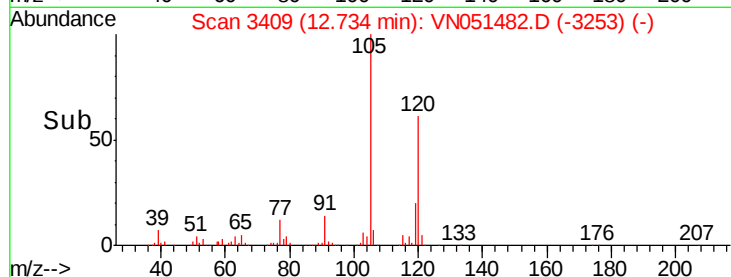
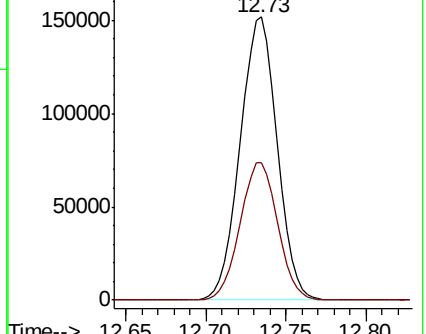
105 100

120 49.5 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 15.255 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.01 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

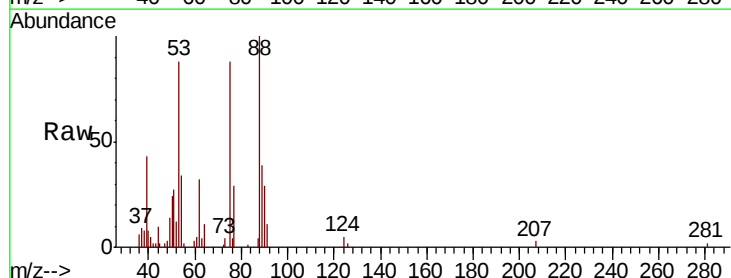
Tgt Ion: 75 Resp: 16626

Ion Ratio Lower Upper

75 100

53 100.5 46.3 138.9

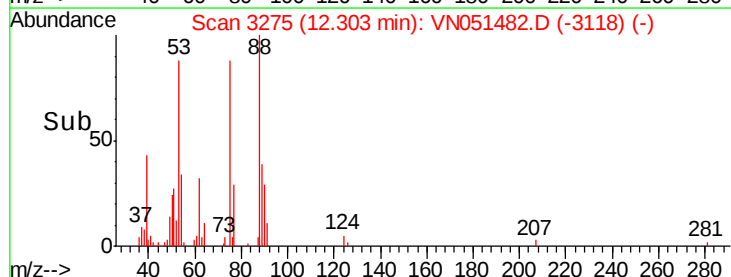
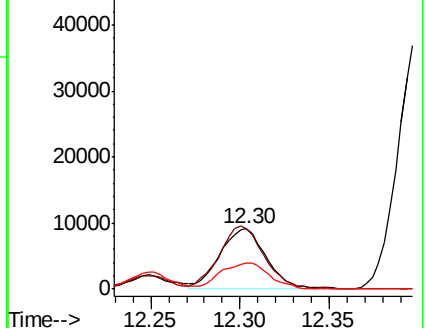
89 43.9 24.6 73.8

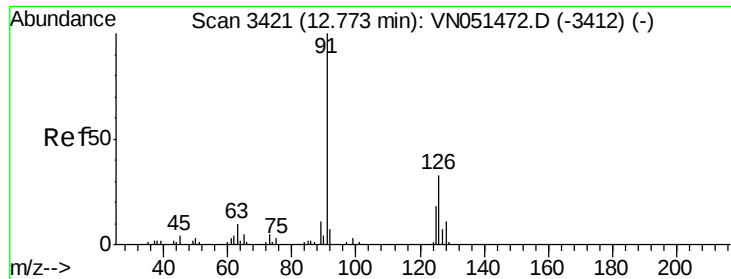


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V





#78

4-Chlorotoluene

Concen: 16.396 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

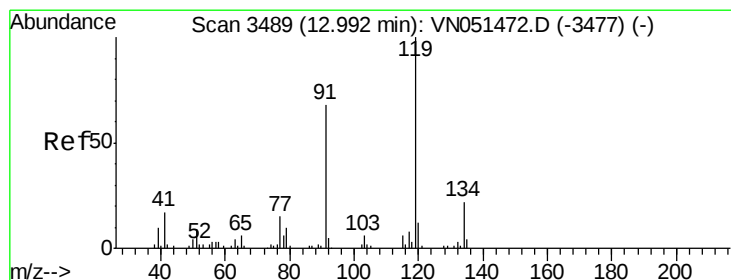
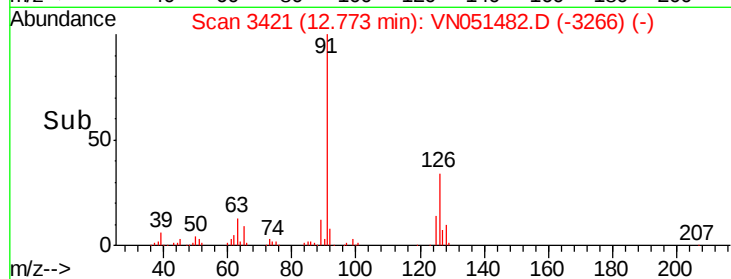
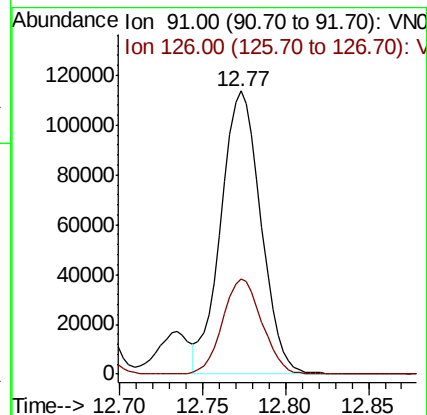
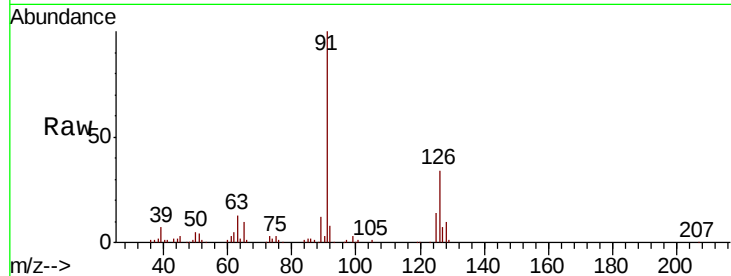
VN0925WBS01

Tot Ion: 91 Resp: 189942

Ion Ratio Lower Upper

91 100

126 33.3 0.0 65.2



#79

tert-butylbenzene

Concen: 16.970 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

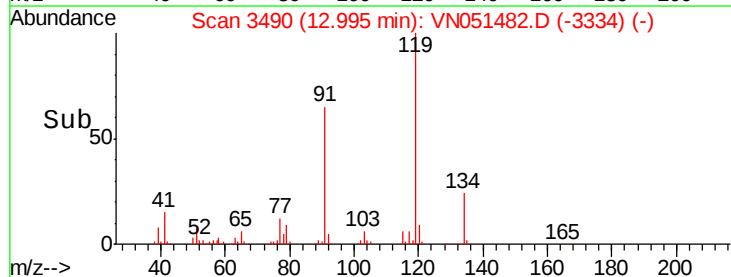
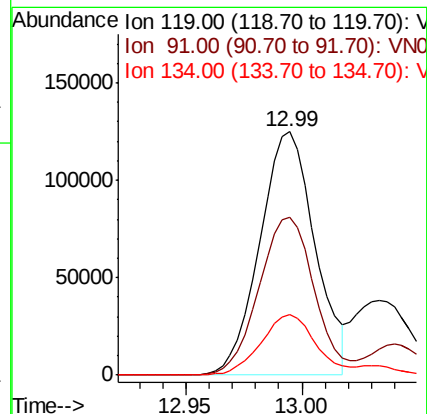
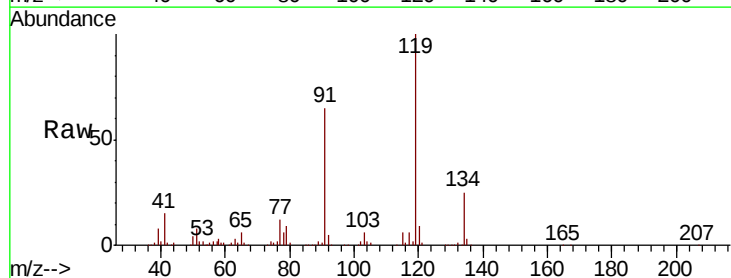
Tgt Ion: 119 Resp: 207550

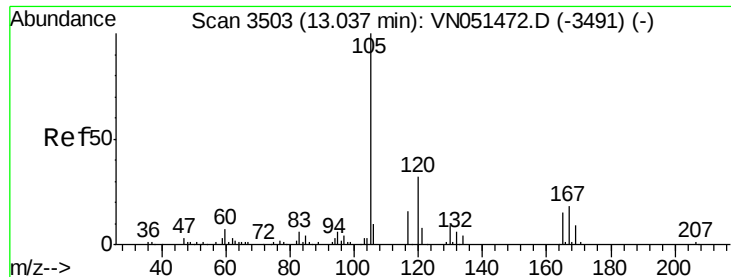
Ion Ratio Lower Upper

119 100

91 64.9 0.0 131.6

134 24.4 0.0 46.2

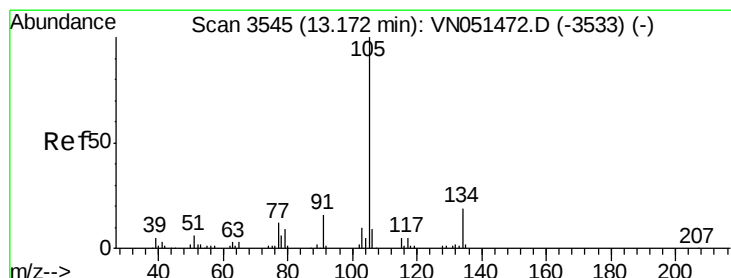
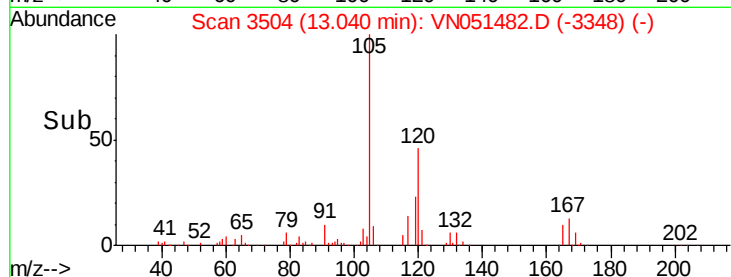
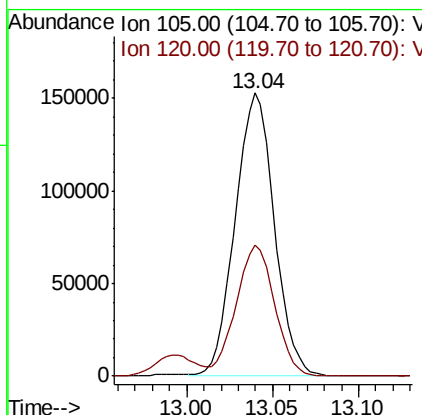
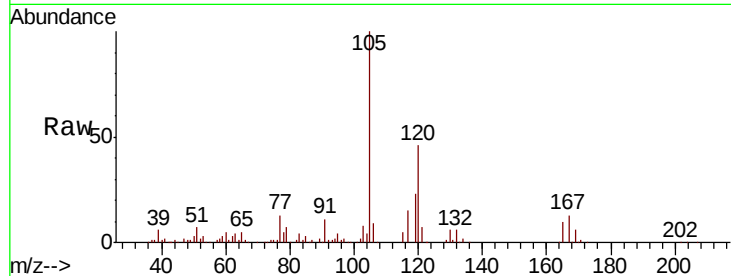




#80
1,2,4-Trimethylbenzene
Concen: 17.116 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

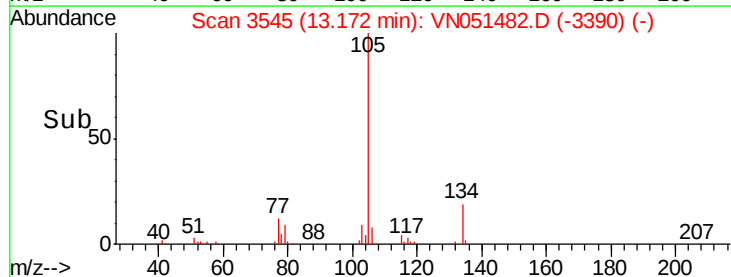
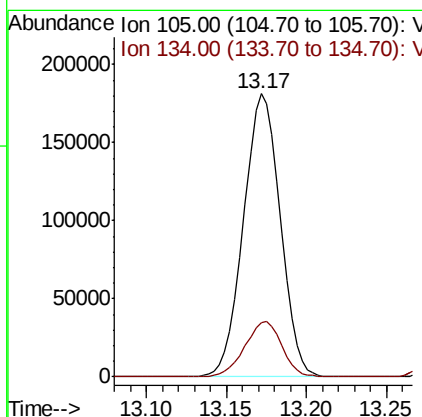
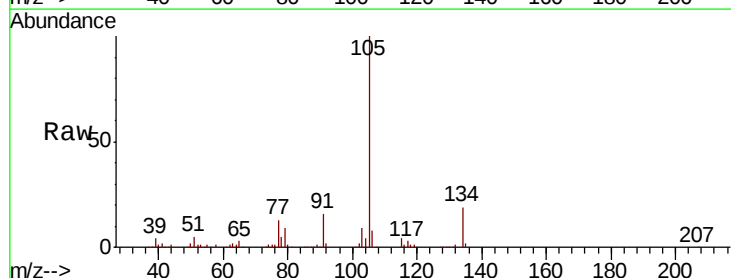
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

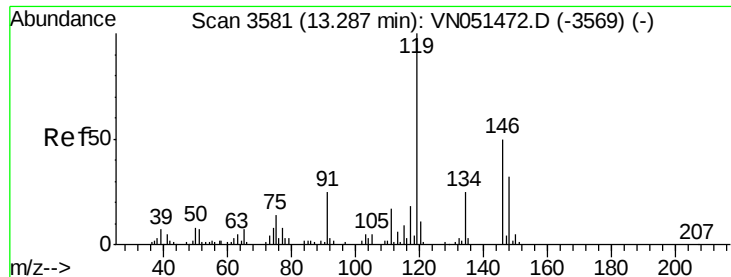
Tot Ion:105 Resp: 241711
Ion Ratio Lower Upper
105 100
120 45.8 0.0 89.6



#81
sec-Butylbenzene
Concen: 16.944 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion:105 Resp: 285079
Ion Ratio Lower Upper
105 100
134 19.7 0.0 39.4

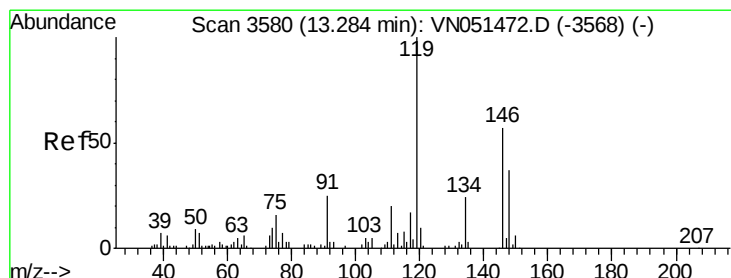
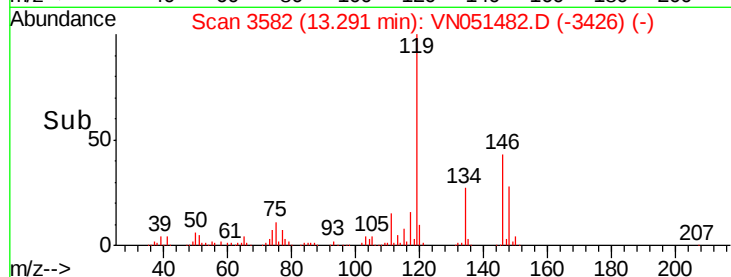
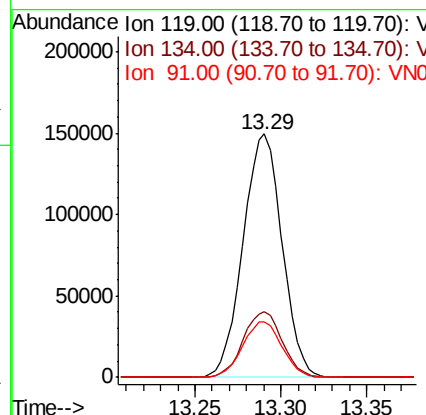
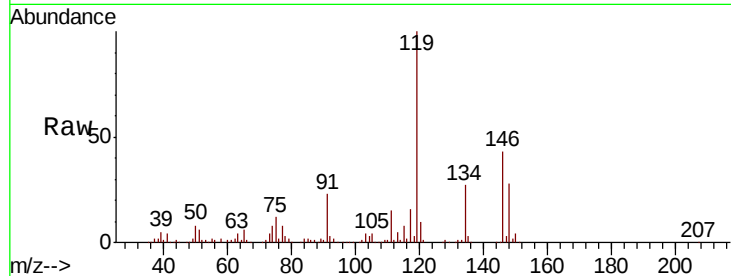




#82
 p-Isopropyltoluene
 Concen: 16.238 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

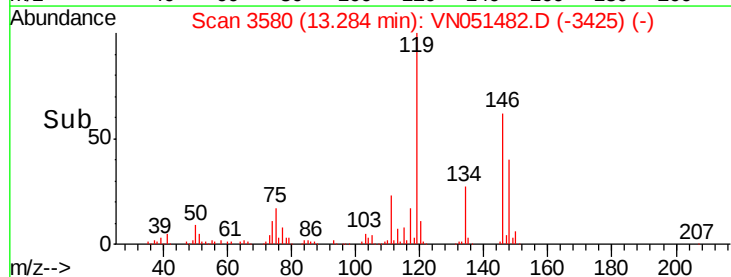
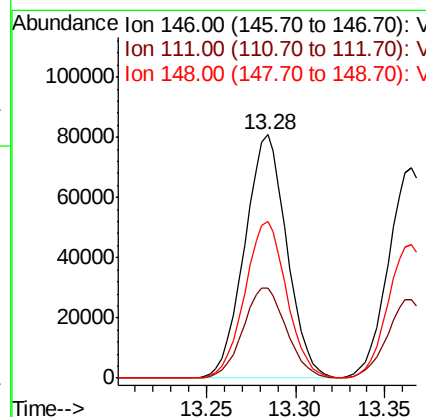
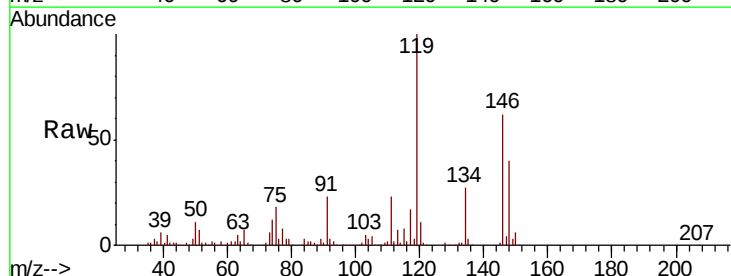
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

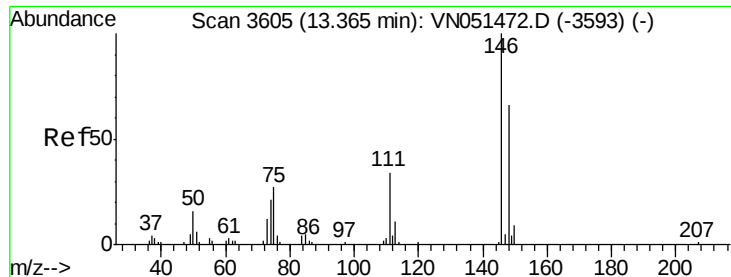
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	0.0	53.6
91	23.1	0.0	52.0



#83
 1,3-Dichlorobenzene
 Concen: 17.754 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.3
148	63.9	31.3	93.8





#84

1,4-Dichlorobenzene

Concen: 16.705 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

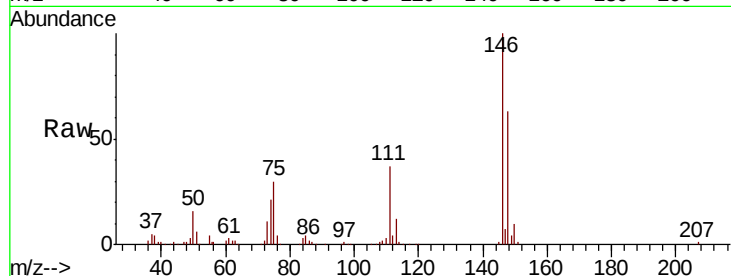
Tot Ion:146 Resp: 118067

Ion Ratio Lower Upper

146 100

111 37.0 17.4 52.2

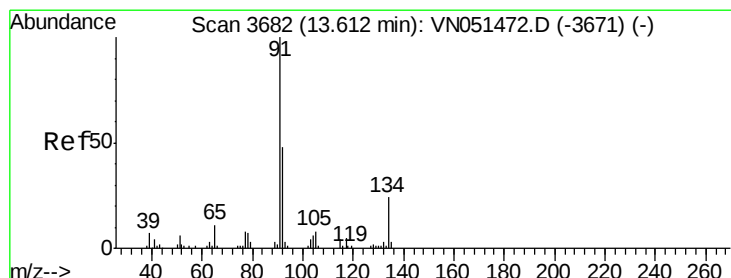
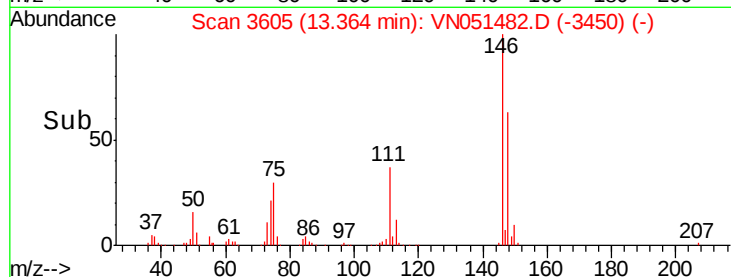
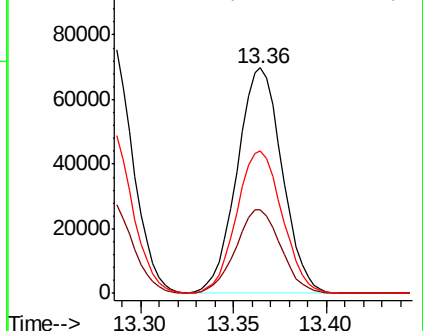
148 63.9 32.8 98.3



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: 14.618 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

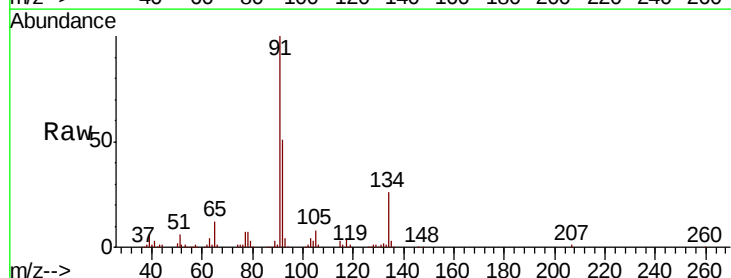
Tgt Ion: 91 Resp: 174317

Ion Ratio Lower Upper

91 100

92 51.0 0.0 97.4

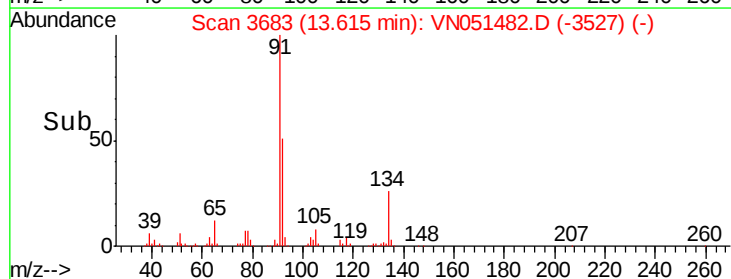
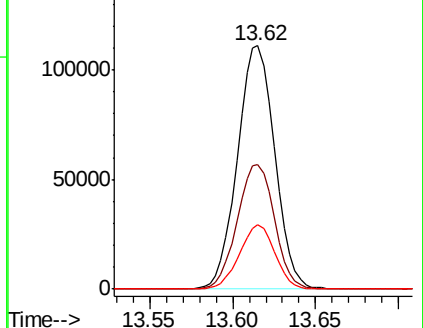
134 25.0 0.0 49.6

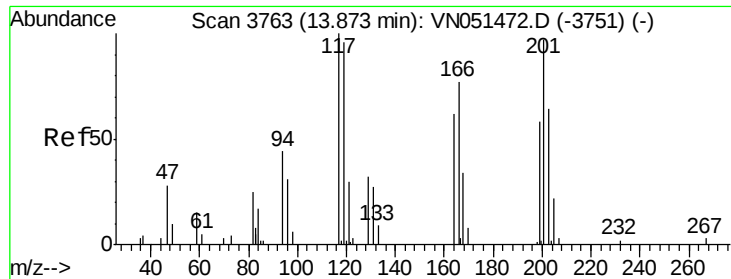


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 17.141 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

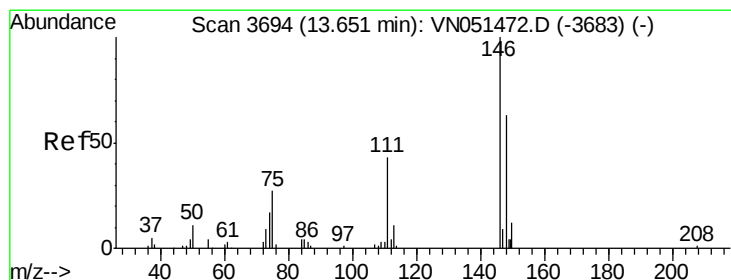
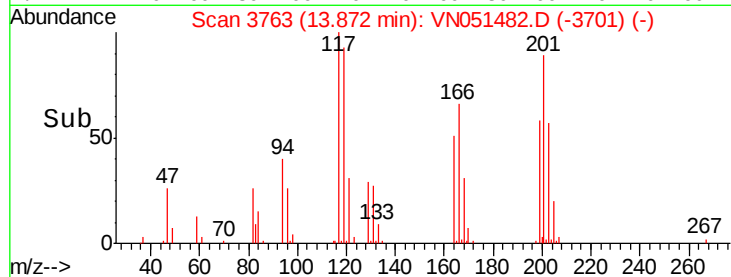
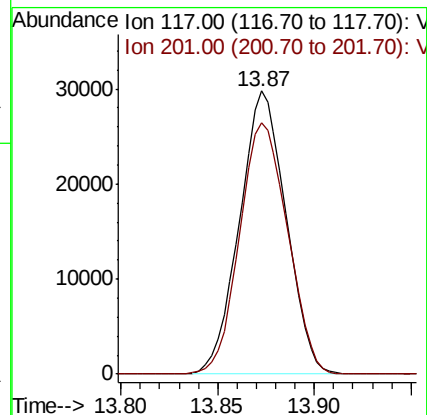
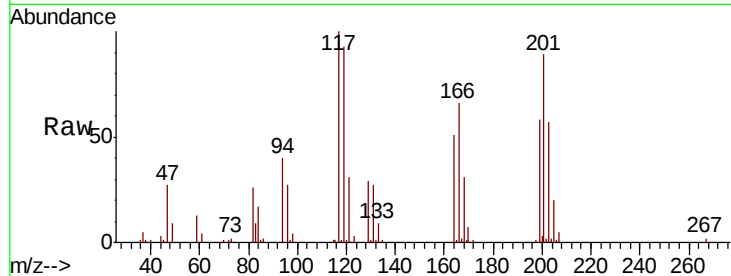
VN0925WBS01

Tot Ion:117 Resp: 49887

Ion Ratio Lower Upper

117 100

201 91.2 47.8 143.3



#87

1,2-Dichlorobenzene

Concen: 17.449 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

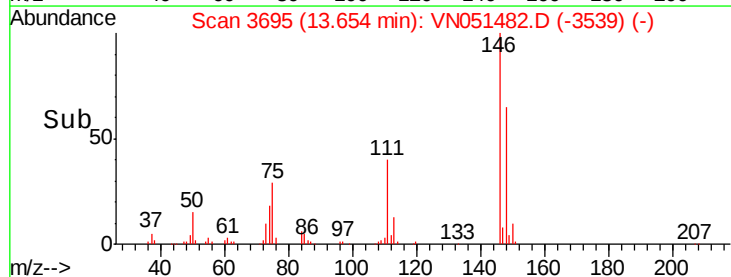
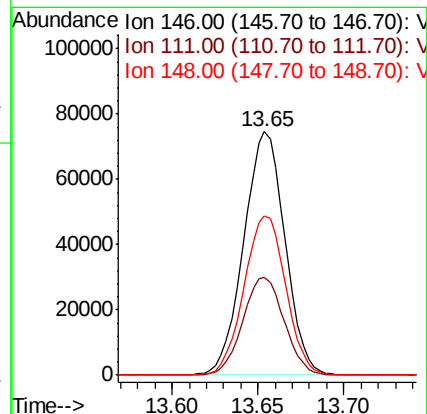
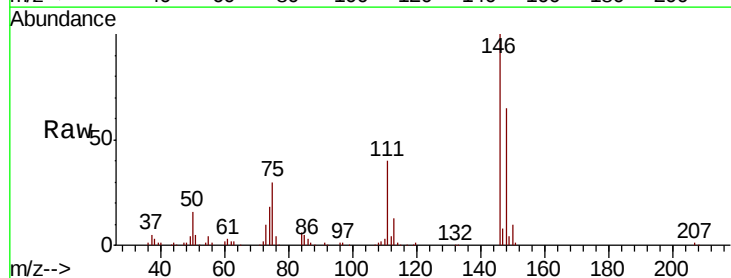
Tgt Ion:146 Resp: 124487

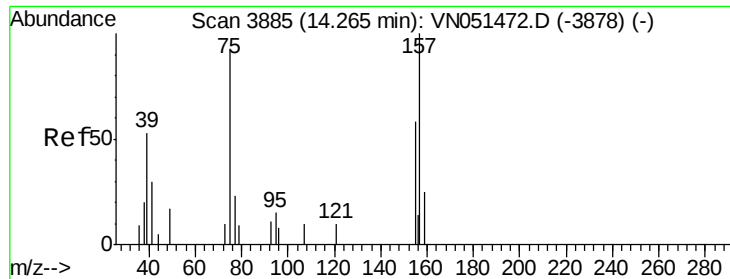
Ion Ratio Lower Upper

146 100

111 40.3 20.8 62.2

148 66.0 33.2 99.6





#88

1,2-Dibromo-3-Chloropropane

Concen: 19.323 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

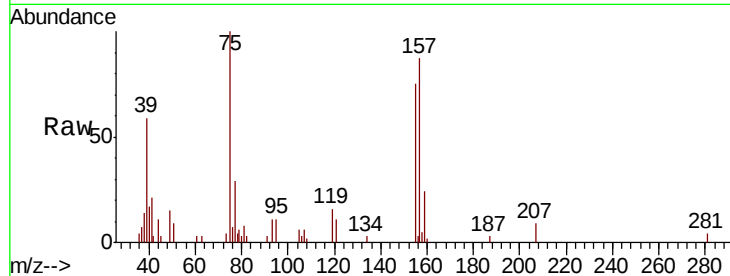
Tot Ion: 75 Resp: 11429

Ion Ratio Lower Upper

75 100

155 82.2 57.0 85.6

157 101.2 87.4 131.0

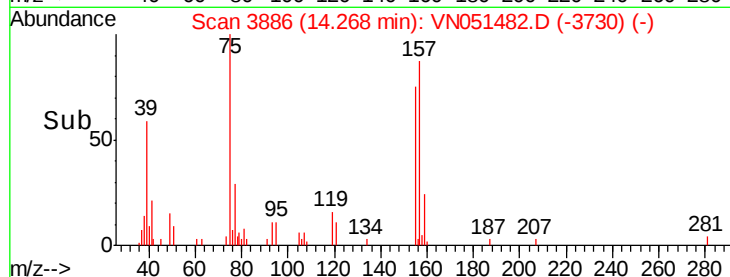


Abundance Ion 75.00 (74.70 to 75.70): VN051472.D (-3878) (-)

Ion 155.00 (154.70 to 155.70): VN051472.D (-3878) (-)

Ion 157.00 (156.70 to 157.70): VN051472.D (-3878) (-)

Time-->

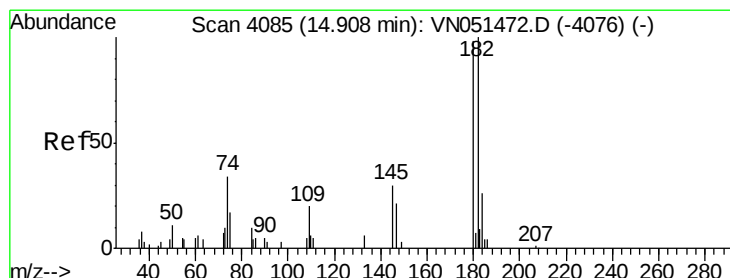


Abundance Ion 75.00 (74.70 to 75.70): VN051482.D (-3730) (-)

Ion 155.00 (154.70 to 155.70): VN051482.D (-3730) (-)

Ion 157.00 (156.70 to 157.70): VN051482.D (-3730) (-)

Time-->



#89

1,2,4-Trichlorobenzene

Concen: 18.218 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

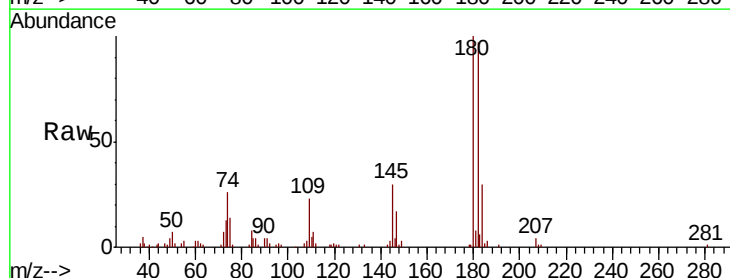
Tgt Ion:180 Resp: 64739

Ion Ratio Lower Upper

180 100

182 95.7 77.7 116.5

145 29.3 23.4 35.2

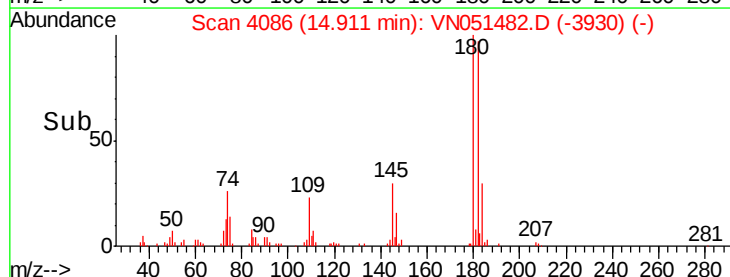


Abundance Ion 180.00 (179.70 to 180.70): VN051472.D (-4076) (-)

Ion 182.00 (181.70 to 182.70): VN051472.D (-4076) (-)

Ion 145.00 (144.70 to 145.70): VN051472.D (-4076) (-)

Time-->

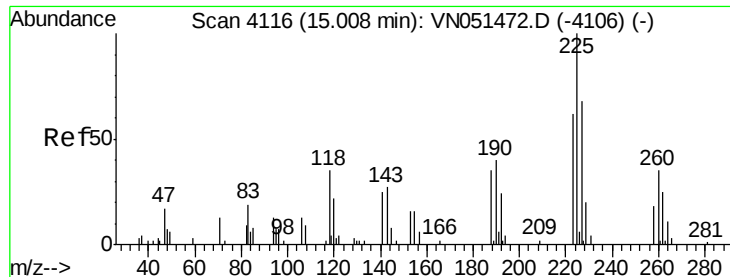


Abundance Ion 180.00 (179.70 to 180.70): VN051482.D (-3930) (-)

Ion 182.00 (181.70 to 182.70): VN051482.D (-3930) (-)

Ion 145.00 (144.70 to 145.70): VN051482.D (-3930) (-)

Time-->



#90

Hexachlorobutadiene

Concen: 21.627 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

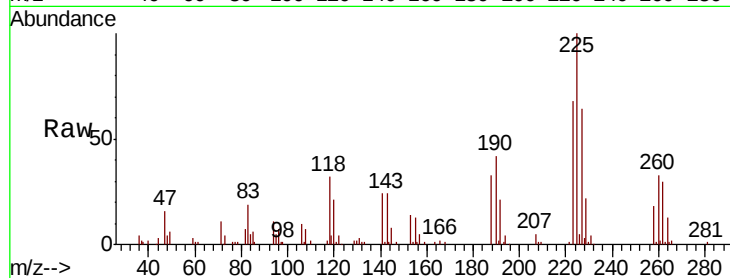
Tot Ion:225 Resp: 59562

Ion Ratio Lower Upper

225 100

223 64.9 0.0 117.0

227 61.6 0.0 127.0

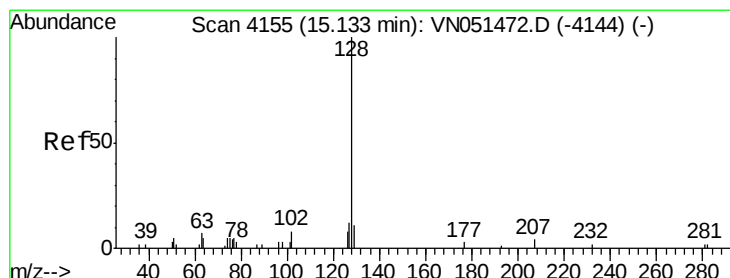
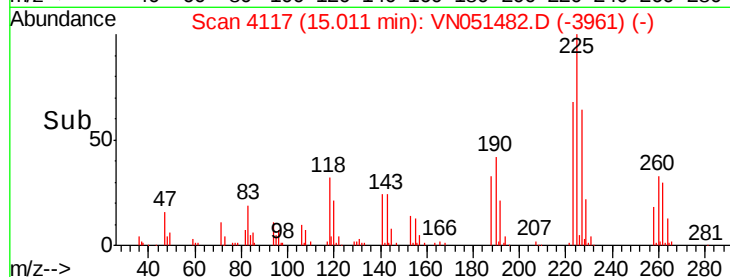
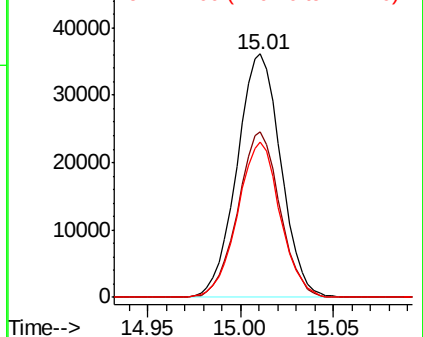


Abundance

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: 19.093 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

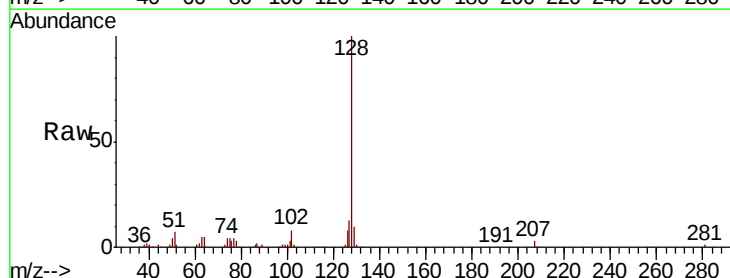
Tgt Ion:128 Resp: 128024

Ion Ratio Lower Upper

128 100

127 13.7 10.1 15.1

129 10.3 8.4 12.6

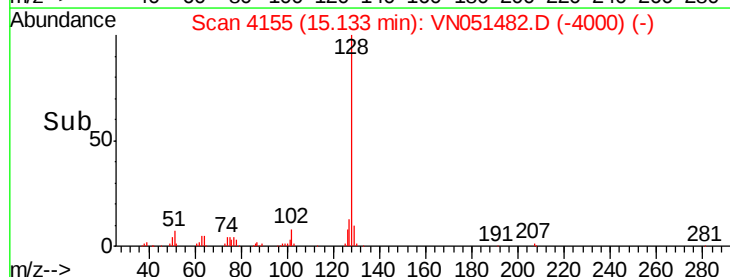
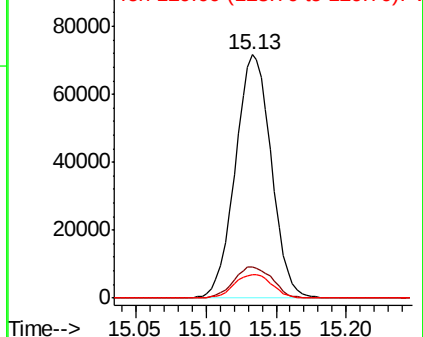


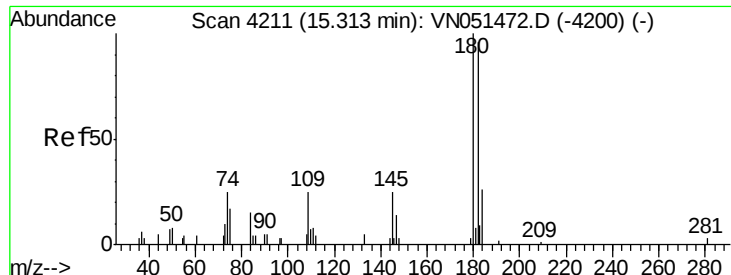
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

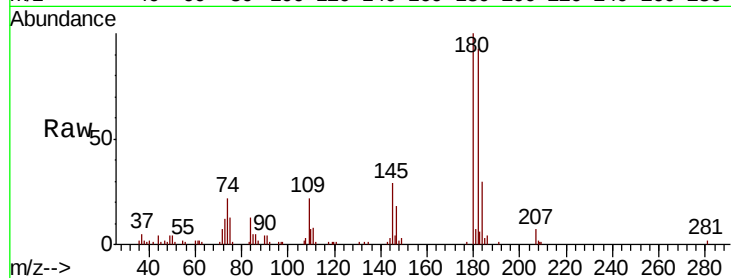




#92
 1,2,3-Trichlorobenzene
 Concen: 13.052 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	0.0	198.0
145	30.3	0.0	36.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

