

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103018\
 Data File : VN052064.D
 Acq On : 30 Oct 2018 15:10
 Operator : MD\SY
 Sample : VN1030WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Quant Time: Oct 31 04:06:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	248726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	489571	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	437270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176081	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	201866	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
35) Dibromofluoromethane	7.59	113	151087	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	10.09	98	608982	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	213367	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	70115	23.191	ug/l	95
3) Chloromethane	2.06	50	84422	22.156	ug/l	97
4) Vinyl Chloride	2.19	62	89825	21.902	ug/l	98
5) Bromomethane	2.57	94	60291	19.598	ug/l	99
6) Chloroethane	2.71	64	53810	20.322	ug/l	97
7) Trichlorofluoromethane	3.02	101	99144	21.169	ug/l	97
8) Diethyl Ether	3.41	74	37686	21.570	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	61504	22.259	ug/l	97
10) Methyl Iodide	3.96	142	78922	21.796	ug/l	99
11) Tert butyl alcohol	4.78	59	18760	93.861	ug/l #	76
12) 1,1-Dichloroethene	3.74	96	60214	23.077	ug/l	92
13) Acrolein	3.61	56	24012	131.998	ug/l	97
14) Allyl chloride	4.33	41	106620	20.418	ug/l	97
15) Acrylonitrile	4.99	53	111943	97.970	ug/l	97
16) Acetone	3.82	43	78736	92.417	ug/l	96
17) Carbon Disulfide	4.06	76	176656	21.486	ug/l	97
18) Methyl Acetate	4.33	43	52115	19.215	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	174992	20.418	ug/l	99
20) Methylene Chloride	4.56	84	71635	22.067	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	64464	21.667	ug/l	96
22) Diisopropyl ether	5.95	45	238024	21.089	ug/l	97
23) Vinyl Acetate	5.90	43	808328	103.363	ug/l	100
24) 1,1-Dichloroethane	5.85	63	132634	21.015	ug/l	99
25) 2-Butanone	6.84	43	132945	99.489	ug/l	97
26) 2,2-Dichloropropane	6.83	77	93142	18.583	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	74887	21.076	ug/l	100
28) Bromochloromethane	7.20	49	59390	18.988	ug/l	96
29) Tetrahydrofuran	7.21	42	87618	98.420	ug/l	95
30) Chloroform	7.37	83	128440	20.388	ug/l	96
31) Cyclohexane	7.66	56	125281	19.624	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	105726	20.868	ug/l	100
36) 1,1-Dichloropropene	7.79	75	99128	19.913	ug/l	99
37) Ethyl Acetate	6.93	43	60539	18.169	ug/l #	95
38) Carbon Tetrachloride	7.78	117	86327	20.112	ug/l	98

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

39) Methylcyclohexane	9.08	83	117085	19.820	ug/l	94
40) Benzene	8.04	78	293164	20.360	ug/l	97
41) Methacrylonitrile	7.17	41	31868	18.624	ug/l #	81
42) 1,2-Dichloroethane	8.13	62	103132	19.409	ug/l	98
43) Isopropyl Acetate	8.17	43	115694	19.523	ug/l #	87
44) Trichloroethene	8.83	130	67848	21.070	ug/l	98
45) 1,2-Dichloropropane	9.12	63	80990	19.745	ug/l	98
46) Dibromomethane	9.21	93	48813	21.293	ug/l	97
47) Bromodichloromethane	9.40	83	96430	20.169	ug/l	94
48) Methyl methacrylate	9.20	41	58432	19.448	ug/l	97
49) 1,4-Dioxane	9.20	88	10702	439.207	ug/l #	86
51) 4-Methyl-2-Pentanone	9.98	43	319763	99.273	ug/l	100
52) Toluene	10.16	92	176384	20.293	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	93420	18.481	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	110527	19.689	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	64202	20.739	ug/l	100
56) Ethyl methacrylate	10.43	69	87655	19.794	ug/l	99
57) 1,3-Dichloropropane	10.71	76	112920	19.824	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	235592	100.018	ug/l	99
59) 2-Hexanone	10.75	43	212413	92.539	ug/l	98
60) Dibromochloromethane	10.90	129	58667	19.250	ug/l	98
61) 1,2-Dibromoethane	11.00	107	60436	19.638	ug/l	98
64) Tetrachloroethene	10.63	164	53286	20.115	ug/l	95
65) Chlorobenzene	11.43	112	189864	20.615	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	59110	20.440	ug/l	99
67) Ethyl Benzene	11.51	91	336520	20.490	ug/l	99
68) m/p-Xylenes	11.62	106	248620	42.292	ug/l	99
69) o-Xylene	11.95	106	124291	21.367	ug/l	99
70) Styrene	11.96	104	191020	20.295	ug/l	97
71) Bromoform	12.13	173	31448	18.363	ug/l #	98
73) Isopropylbenzene	12.25	105	323196	21.464	ug/l	100
74) N-amyl acetate	12.07	43	105721	20.119	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	76566	21.206	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	97252	30.172	ug/l #	100
77) Bromobenzene	12.52	156	66348	21.060	ug/l	96
78) n-propylbenzene	12.59	91	379034	20.774	ug/l	100
79) 2-Chlorotoluene	12.67	91	226831	21.326	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	261150	21.313	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18686	19.242	ug/l	92
82) 4-Chlorotoluene	12.77	91	233939	21.569	ug/l	99
83) tert-Butylbenzene	12.99	119	219523	21.327	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	261432	21.435	ug/l	99
85) sec-Butylbenzene	13.17	105	316958	21.556	ug/l	100
86) p-Isopropyltoluene	13.29	119	249935	20.872	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	117867	20.515	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	120649	20.952	ug/l	97
89) n-Butylbenzene	13.61	91	236168	20.680	ug/l	100
90) Hexachloroethane	13.87	117	41791	20.364	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	115987	21.472	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10597	20.907	ug/l	98

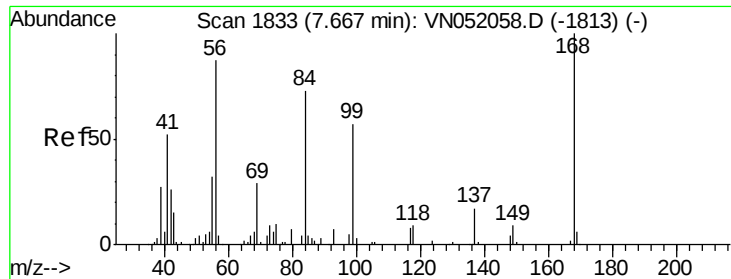
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45598	22.669	ug/l	96
94) Hexachlorobutadiene	15.01	225	25180	22.366	ug/l	95
95) Naphthalene	15.13	128	112168	22.232	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	39235	22.603	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

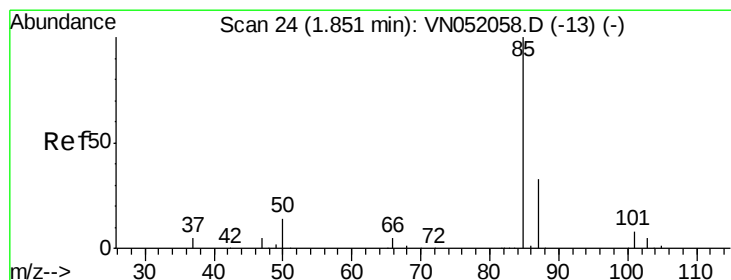
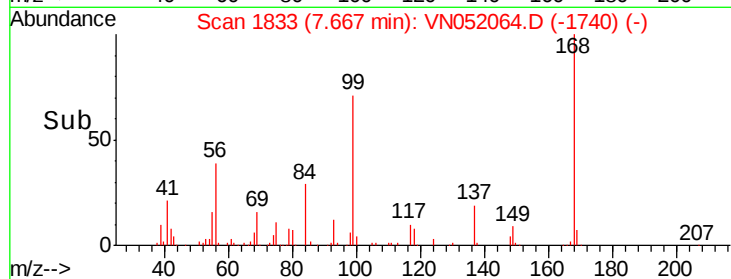
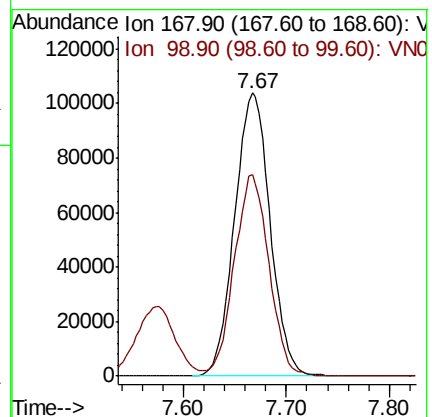
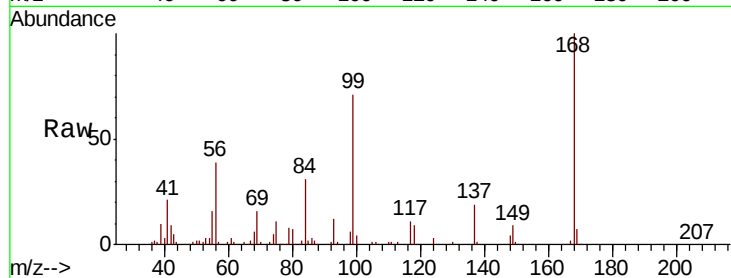
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion:168 Resp: 248726

Ion Ratio Lower Upper

168 100

99 70.9 56.6 85.0



#2

Dichlorodifluoromethane

Concen: 23.191 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052064.D

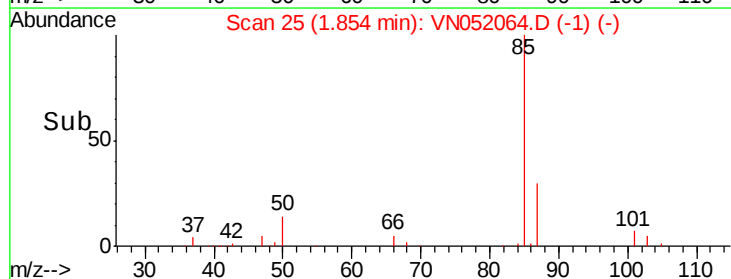
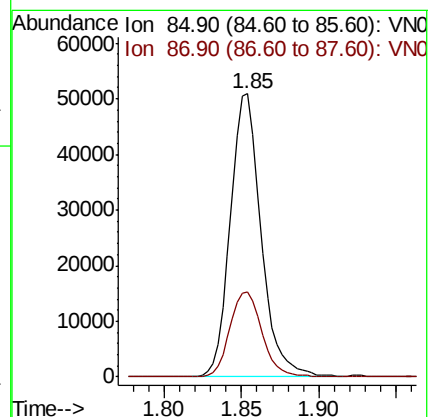
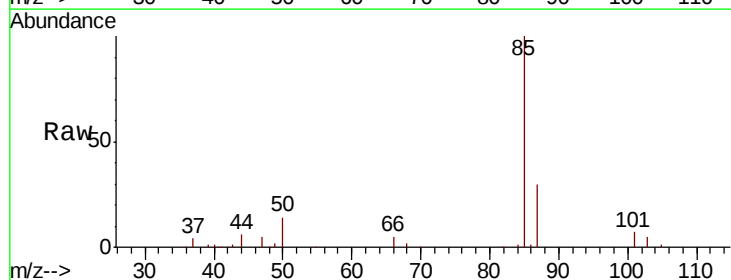
Acq: 30 Oct 2018 15:10

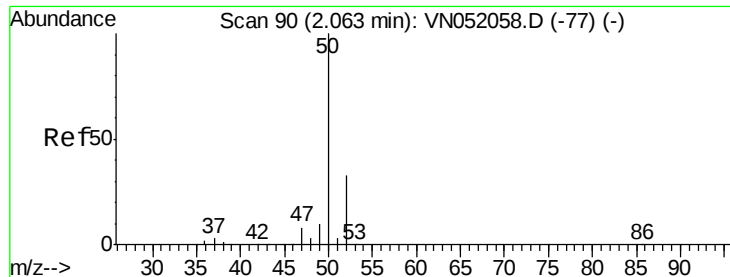
Tgt Ion: 85 Resp: 70115

Ion Ratio Lower Upper

85 100

87 29.9 16.3 48.8





#3

Chloromethane

Concen: 22.156 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

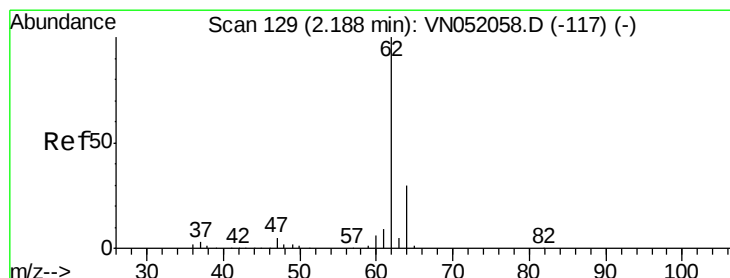
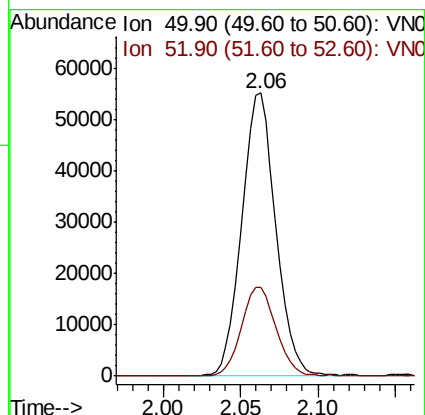
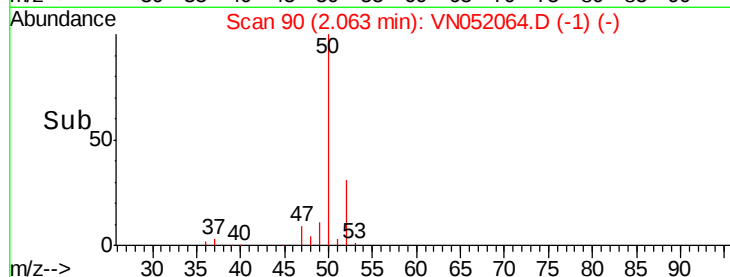
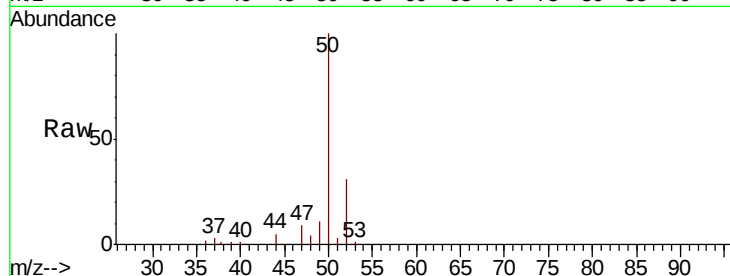
VN1030WBSD01

Tgt Ion: 50 Resp: 84422

Ion Ratio Lower Upper

50 100

52 31.3 26.6 39.8



#4

Vinyl Chloride

Concen: 21.902 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052064.D

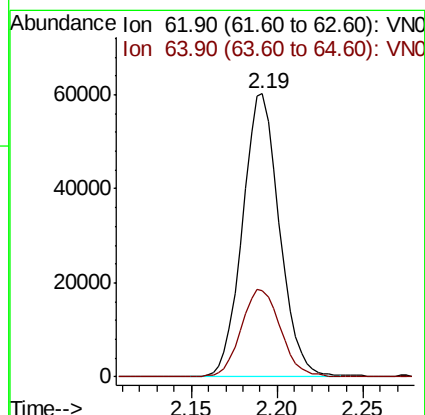
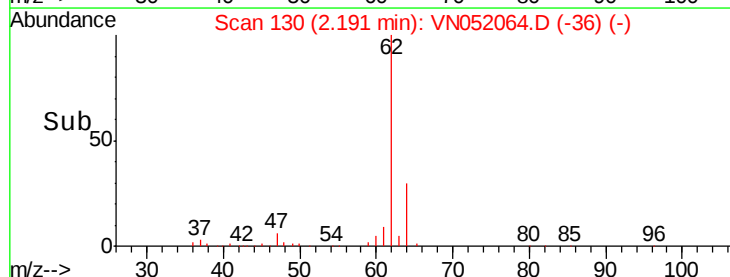
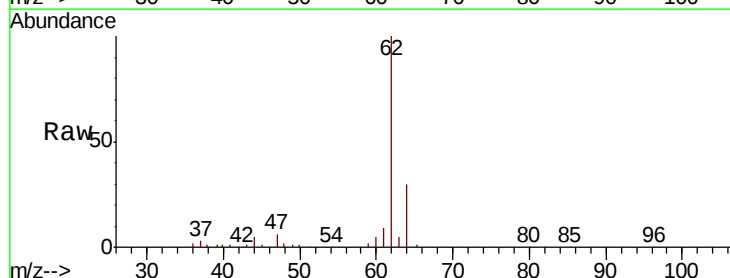
Acq: 30 Oct 2018 15:10

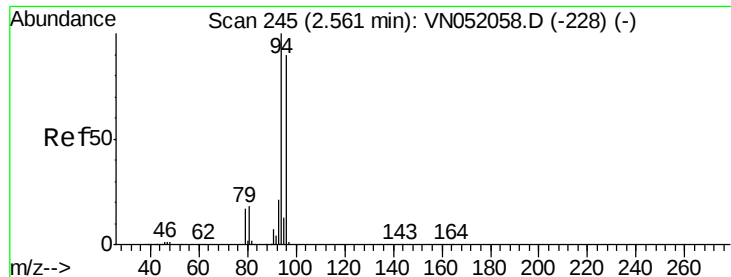
Tgt Ion: 62 Resp: 89825

Ion Ratio Lower Upper

62 100

64 30.5 23.7 35.5





#5

Bromomethane

Concen: 19.598 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

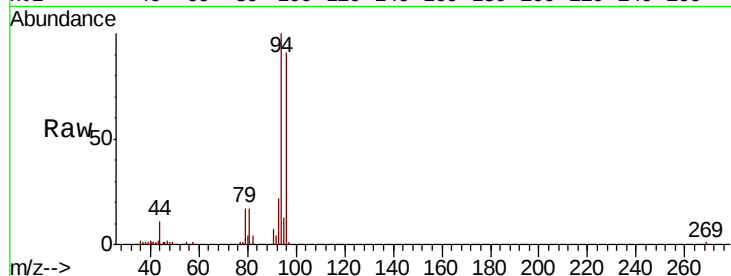
VN1030WBSD01

Tgt Ion: 94 Resp: 60291

Ion Ratio Lower Upper

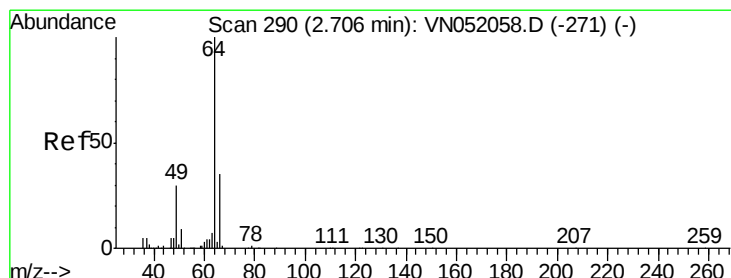
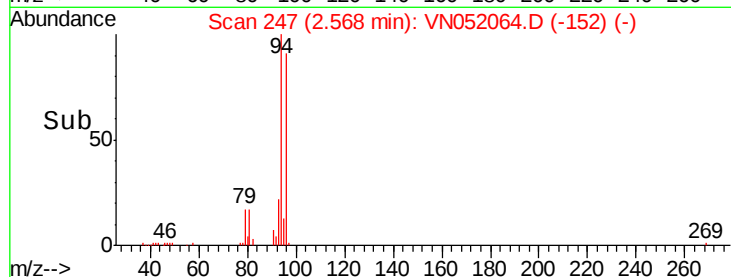
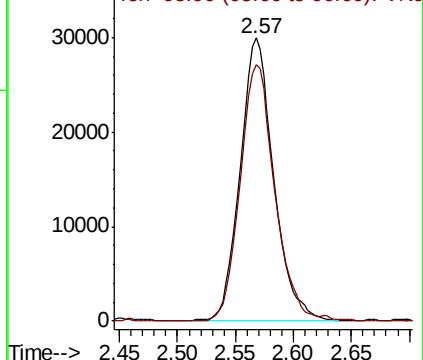
94 100

96 90.6 71.8 107.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.322 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052064.D

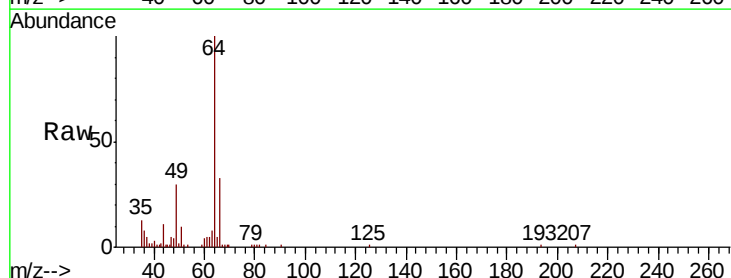
Acq: 30 Oct 2018 15:10

Tgt Ion: 64 Resp: 53810

Ion Ratio Lower Upper

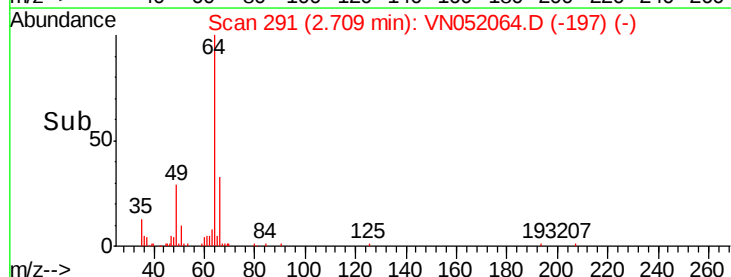
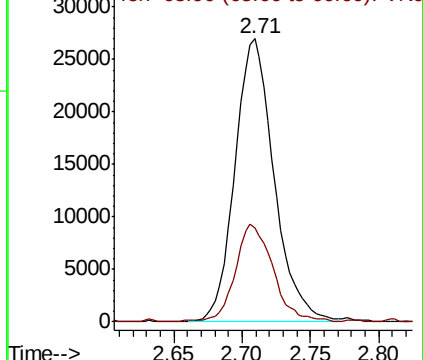
64 100

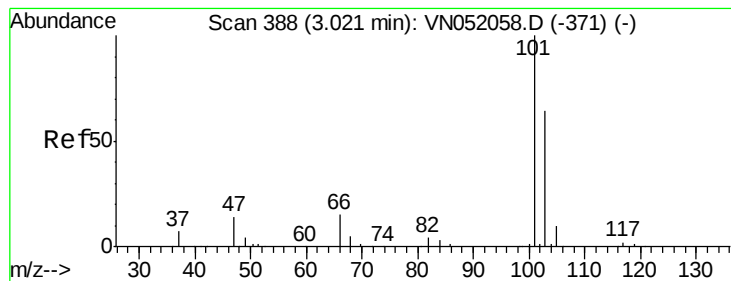
66 33.1 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



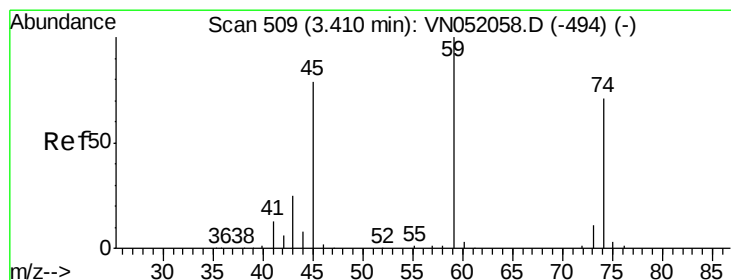
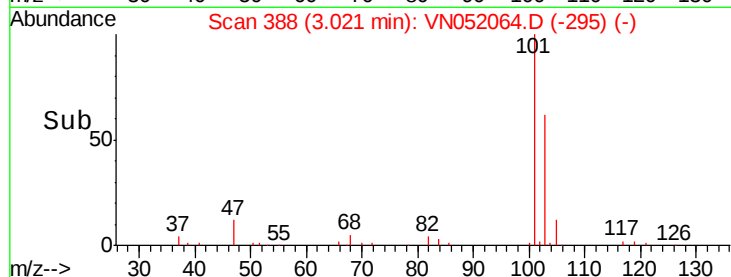
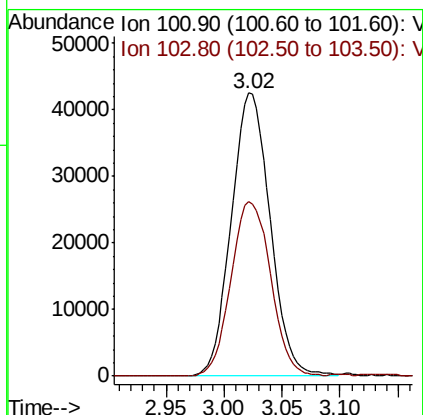
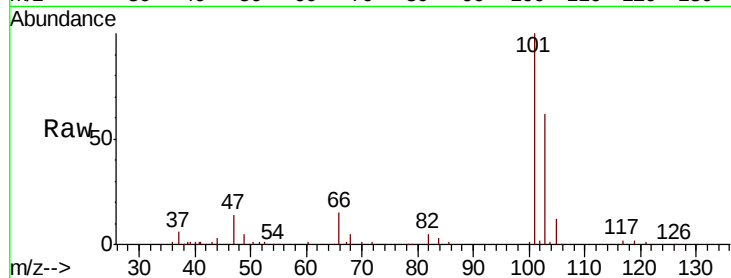


#7

Trichlorofluoromethane
 Concen: 21.169 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Instrument :
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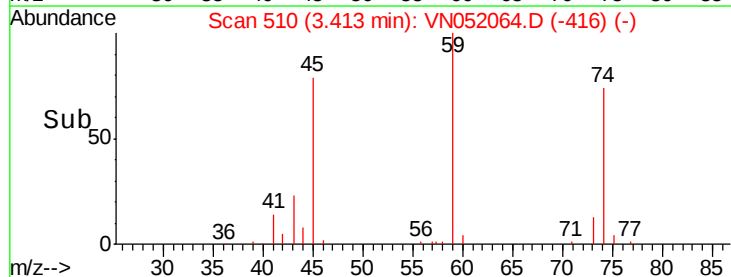
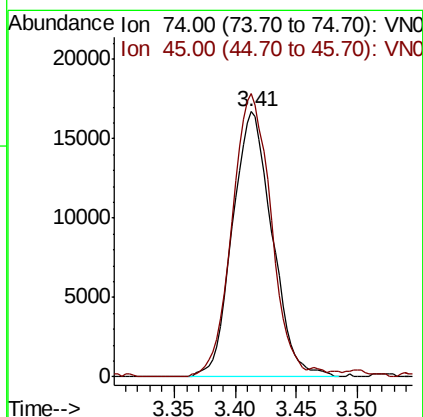
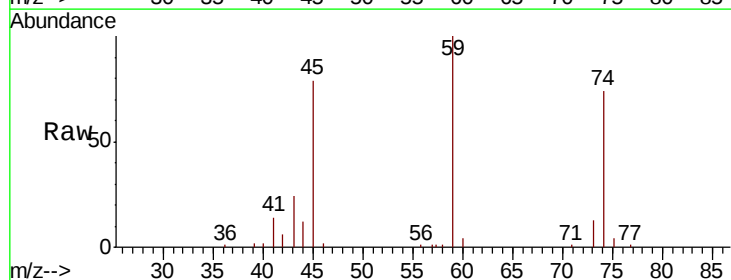
Tgt Ion:101 Resp: 99144
 Ion Ratio Lower Upper
 101 100
 103 61.6 51.0 76.4

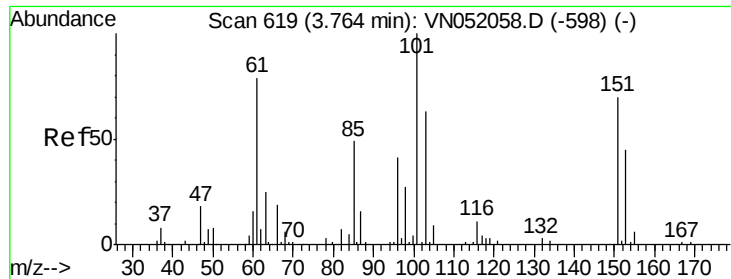


#8

Diethyl Ether
 Concen: 21.570 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Tgt Ion: 74 Resp: 37686
 Ion Ratio Lower Upper
 74 100
 45 104.8 55.6 166.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.259 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

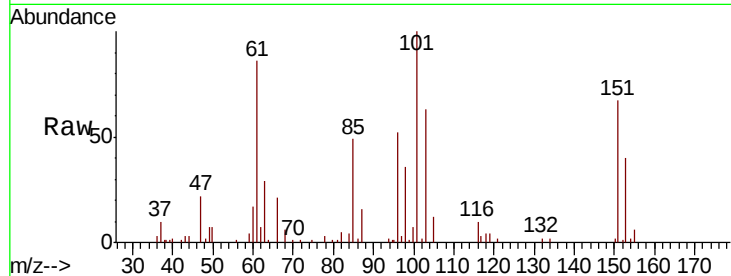
Tgt Ion:101 Resp: 61504

Ion Ratio Lower Upper

101 100

85 46.2 38.6 58.0

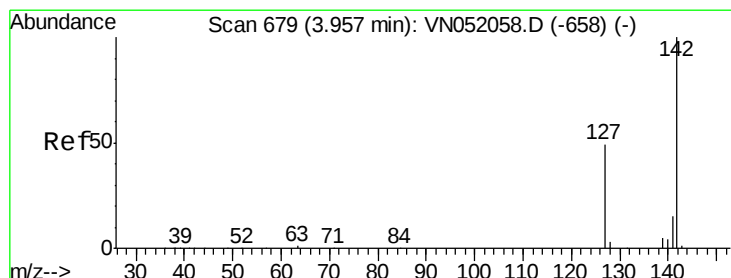
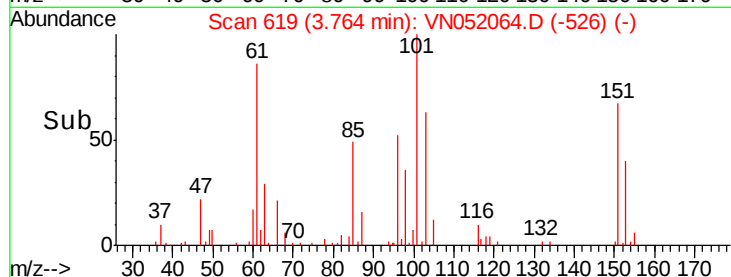
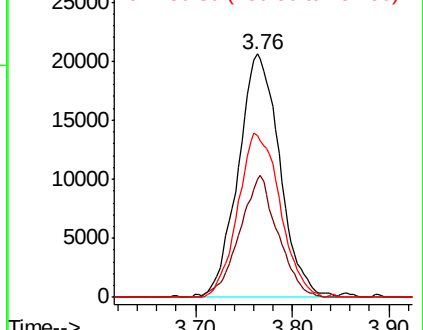
151 68.3 52.6 78.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.796 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

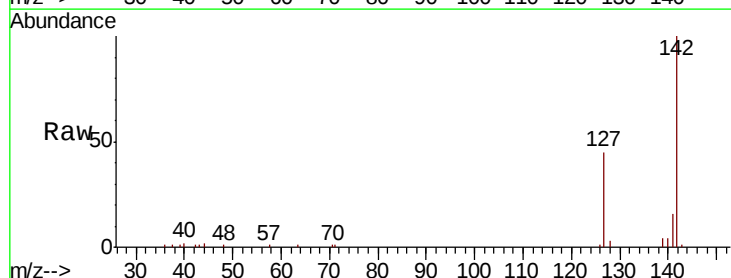
Tgt Ion:142 Resp: 78922

Ion Ratio Lower Upper

142 100

127 46.1 37.3 55.9

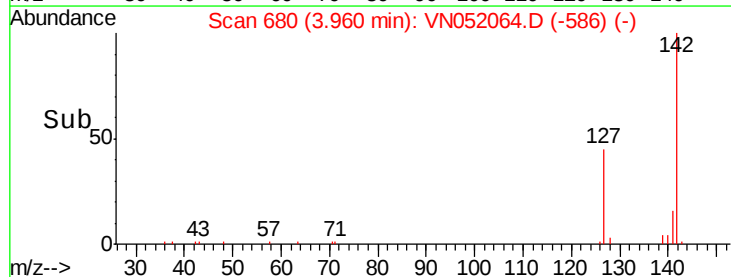
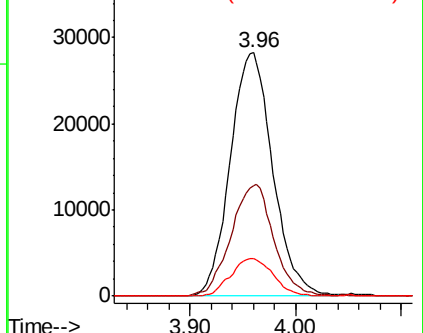
141 15.5 11.4 17.2

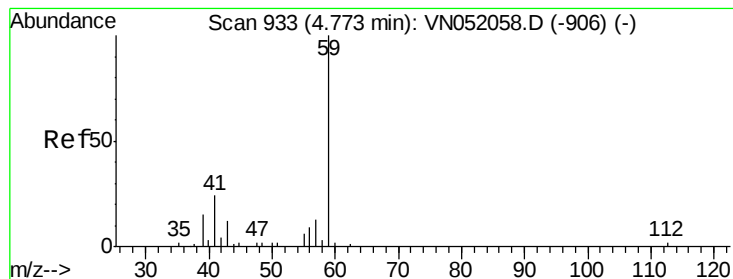


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 93.861 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

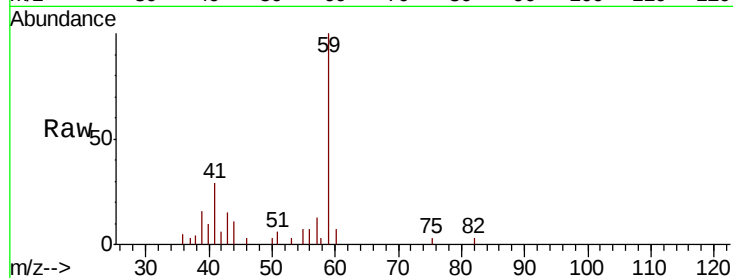
VN1030WBSD01

Tgt Ion: 59 Resp: 18760

Ion Ratio Lower Upper

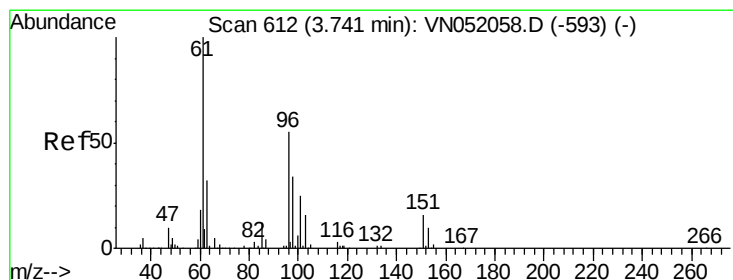
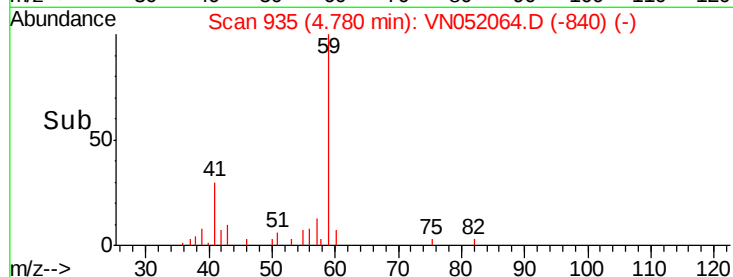
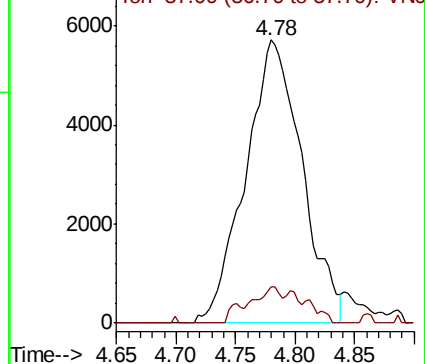
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 23.077 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

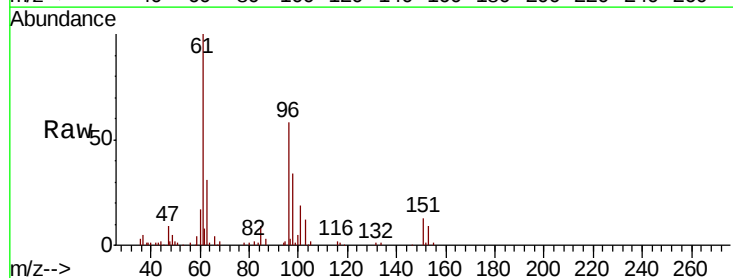
Tgt Ion: 96 Resp: 60214

Ion Ratio Lower Upper

96 100

61 170.5 145.7 218.5

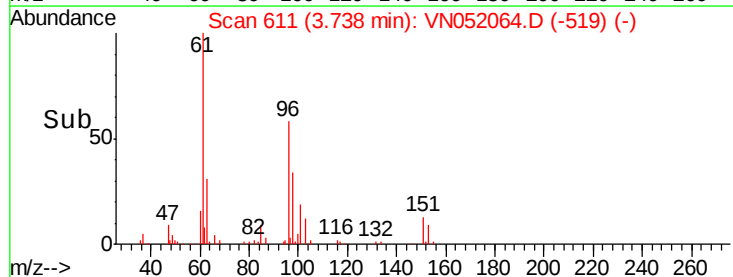
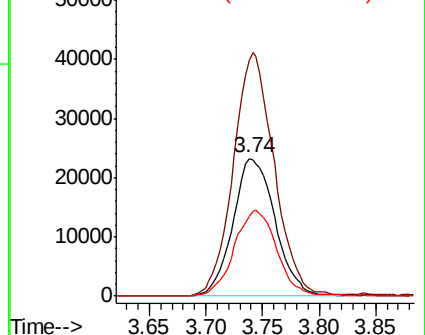
98 57.7 49.8 74.8

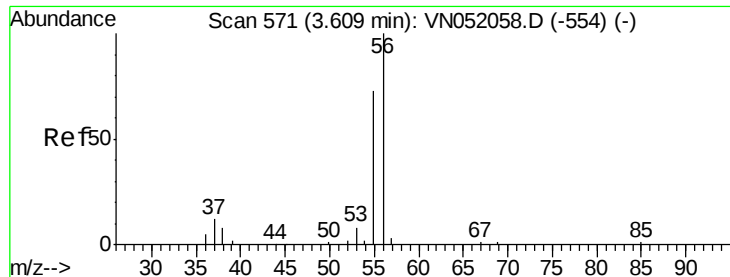


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 131.998 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

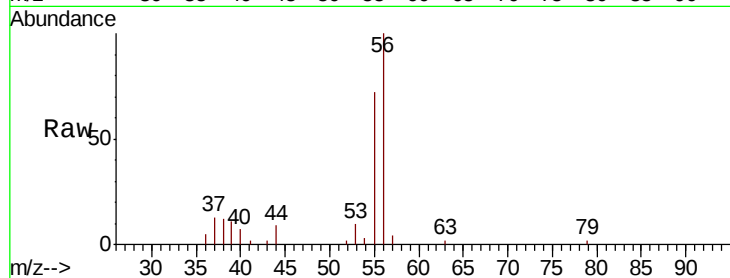
VN1030WBSD01

Tgt Ion: 56 Resp: 24012

Ion Ratio Lower Upper

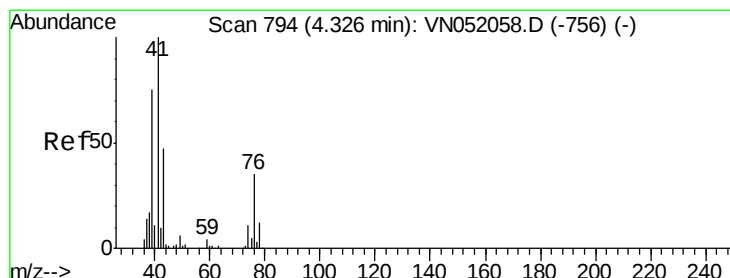
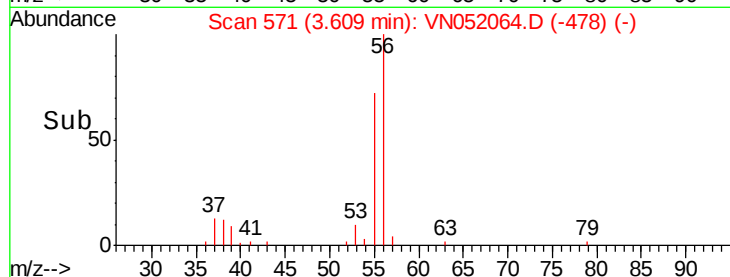
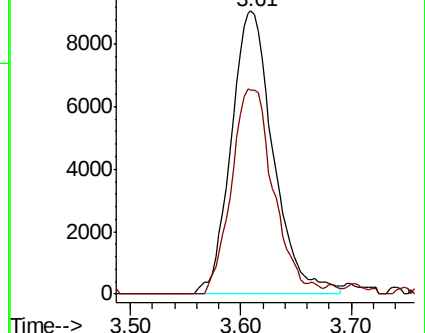
56 100

55 72.2 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN052058.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN052058.D (-554) (-)



#14

Allyl chloride

Concen: 20.418 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

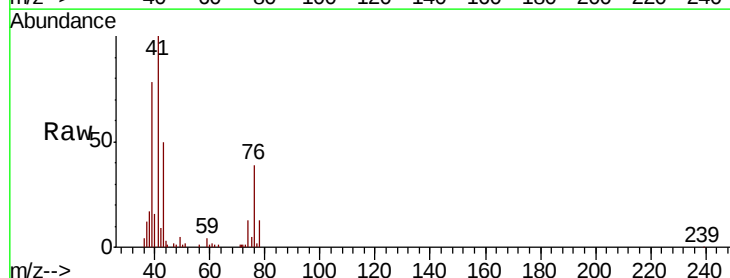
Tgt Ion: 41 Resp: 106620

Ion Ratio Lower Upper

41 100

39 73.8 58.1 87.1

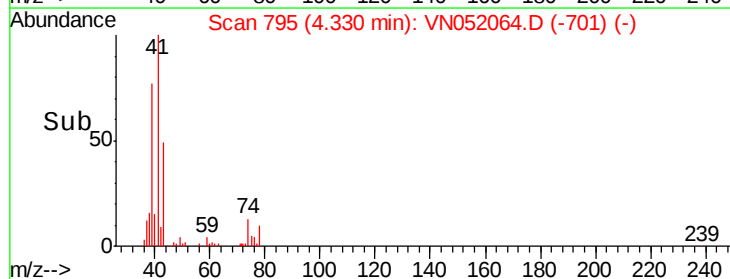
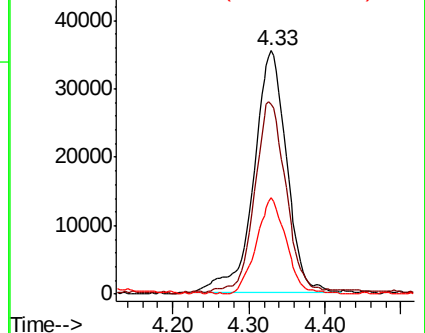
76 36.2 26.0 39.0

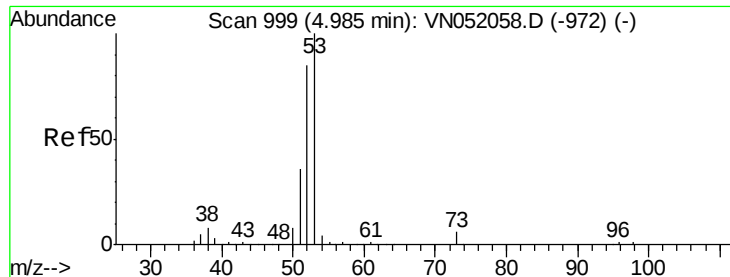


Abundance Ion 41.00 (40.70 to 41.70): VN052058.D (-756) (-)

Ion 39.00 (38.70 to 39.70): VN052058.D (-756) (-)

Ion 75.90 (75.60 to 76.60): VN052058.D (-756) (-)





#15

Acrylonitrile

Concen: 97.970 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

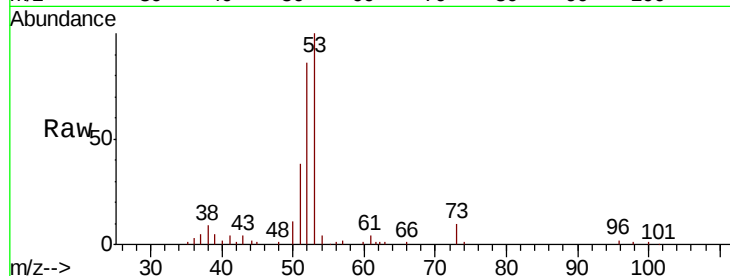
Tgt Ion: 53 Resp: 111943

Ion Ratio Lower Upper

53 100

52 85.9 66.6 100.0

51 39.2 29.0 43.6



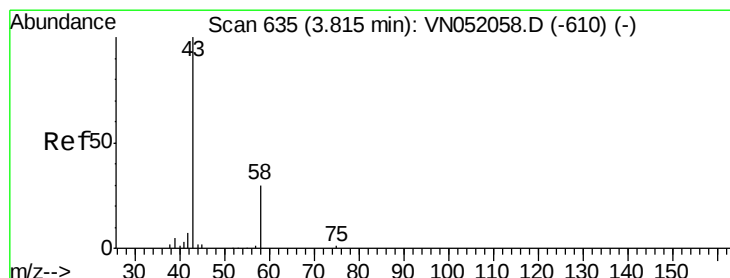
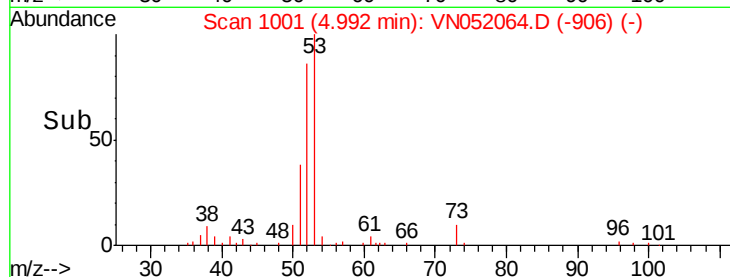
Abundance Ion 53.00 (52.70 to 53.70): VN052058.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN052058.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN052058.D (-972) (-)

4.99

Time-->



#16

Acetone

Concen: 92.417 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052064.D

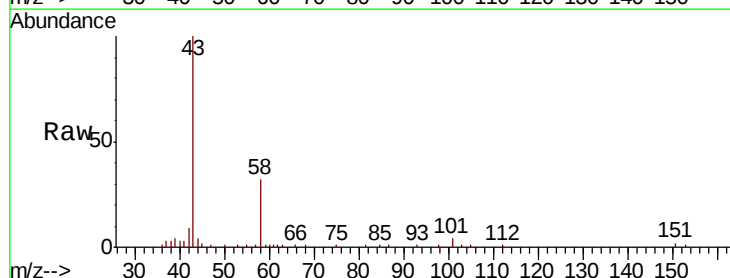
Acq: 30 Oct 2018 15:10

Tgt Ion: 43 Resp: 78736

Ion Ratio Lower Upper

43 100

58 32.1 24.2 36.2

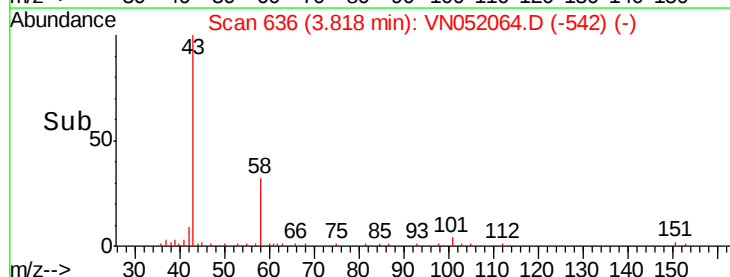


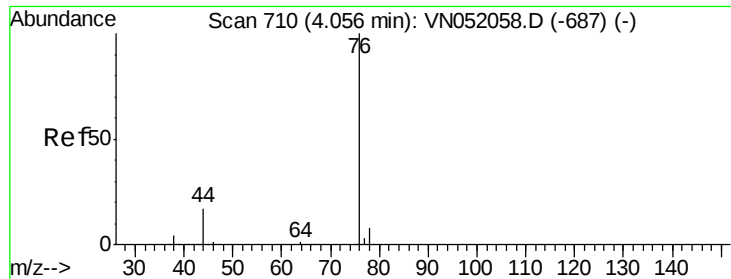
Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-610) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-610) (-)

3.82

Time-->

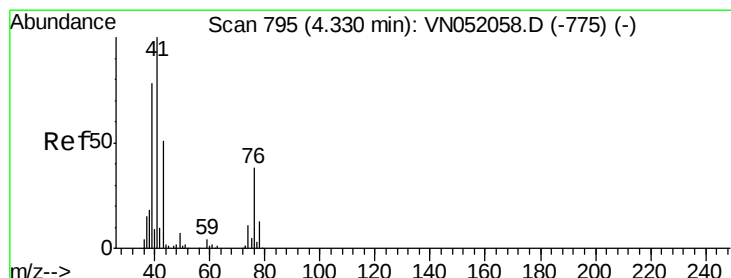
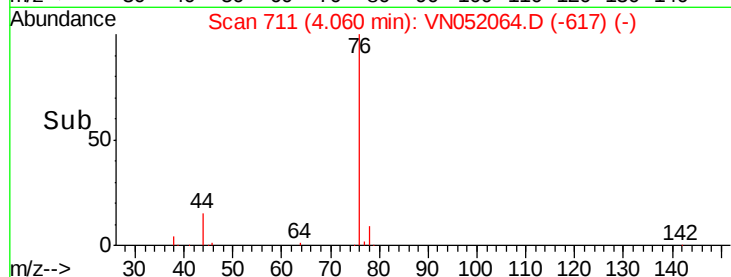
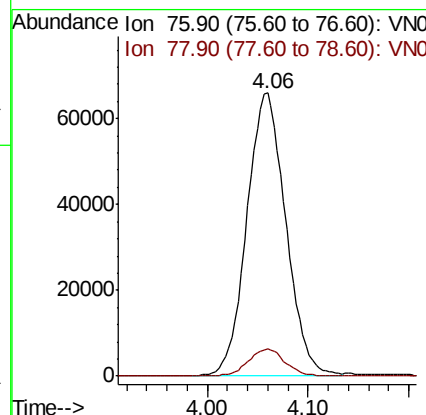
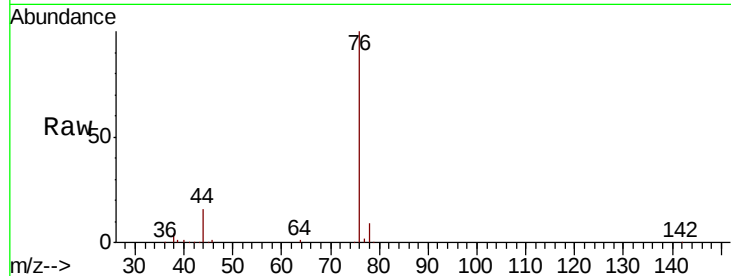




#17
Carbon Disulfide
Concen: 21.486 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

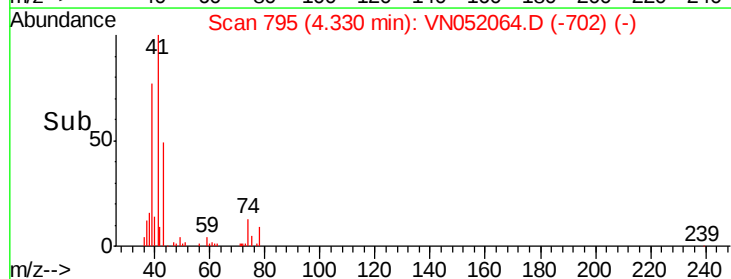
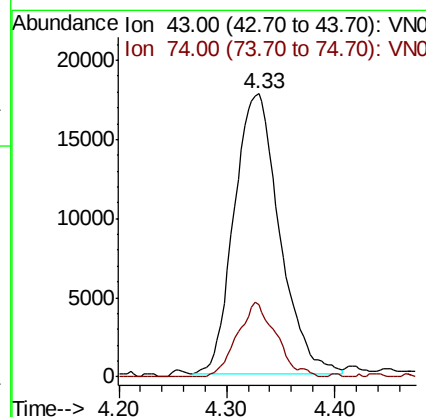
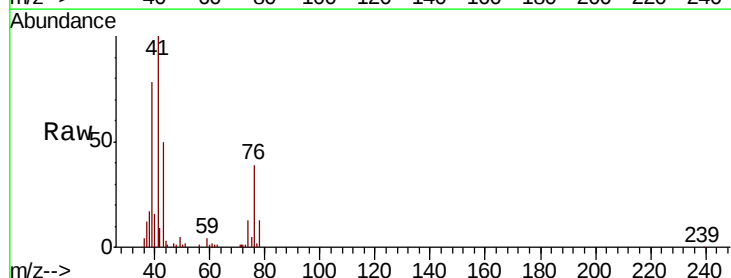
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

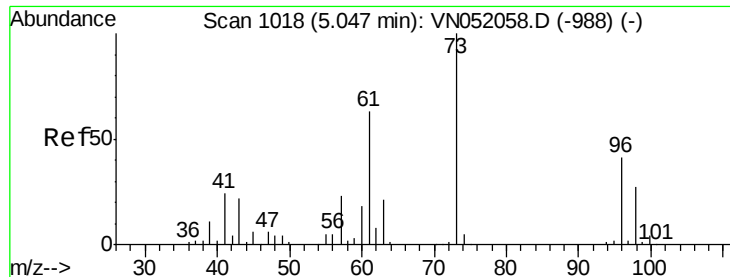
Tgt Ion: 76 Resp: 176656
Ion Ratio Lower Upper
76 100
78 9.5 6.8 10.2



#18
Methyl Acetate
Concen: 19.215 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Tgt Ion: 43 Resp: 52115
Ion Ratio Lower Upper
43 100
74 22.7 17.9 26.9

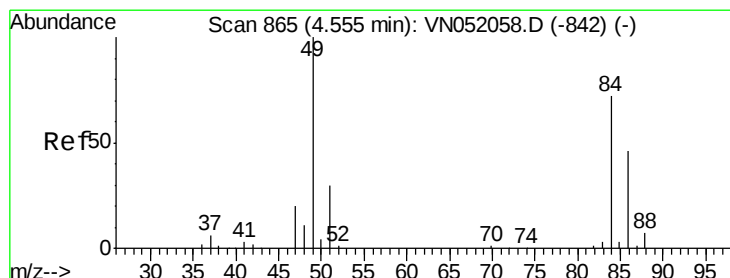
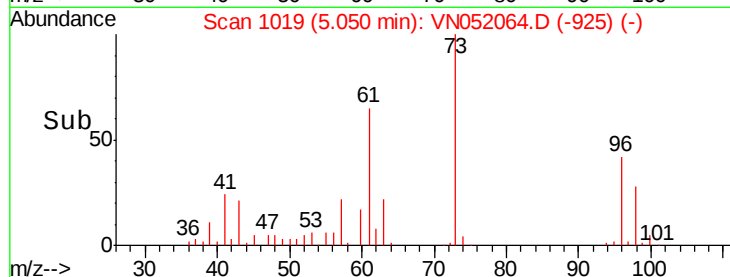
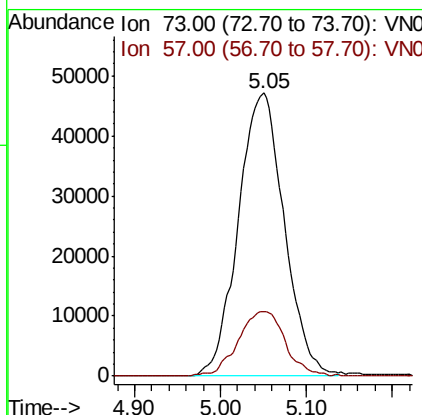
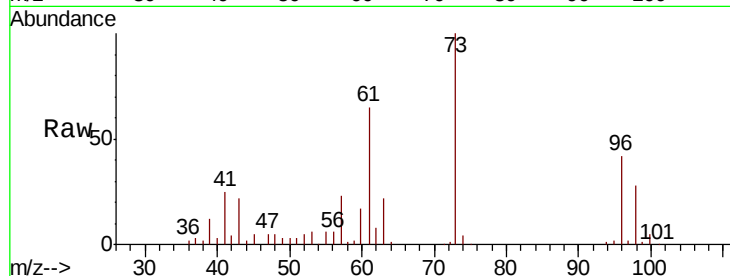




#19
Methyl tert-butyl Ether
Concen: 20.418 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

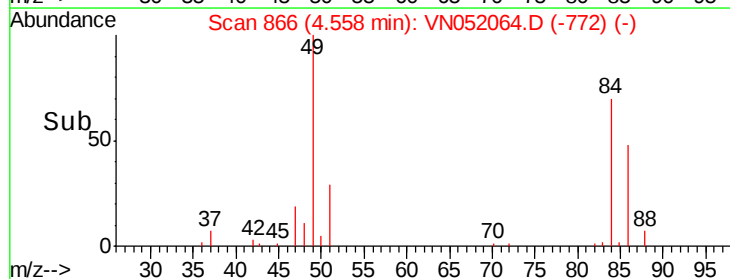
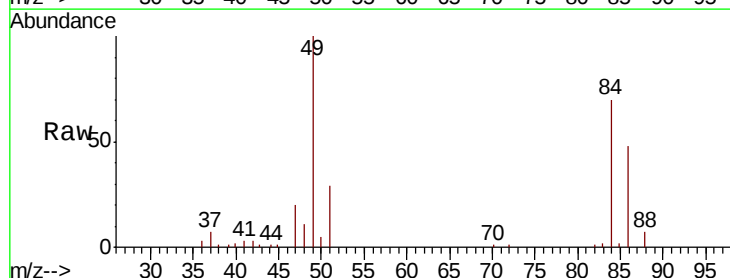
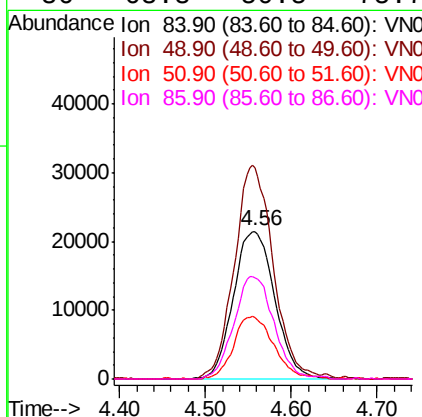
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

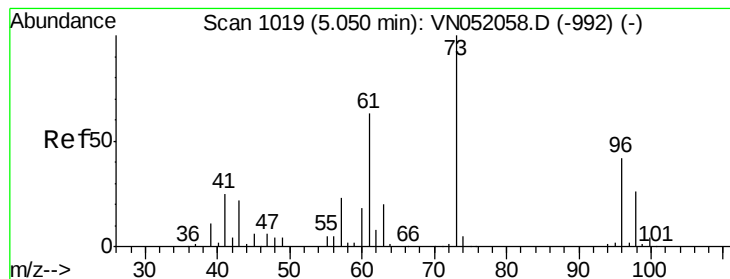
Tgt Ion: 73 Resp: 174992
Ion Ratio Lower Upper
73 100
57 23.0 18.7 28.1



#20
Methylene Chloride
Concen: 22.067 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Tgt Ion: 84 Resp: 71635
Ion Ratio Lower Upper
84 100
49 143.3 110.6 165.8
51 41.5 33.7 50.5
86 68.8 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 21.667 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

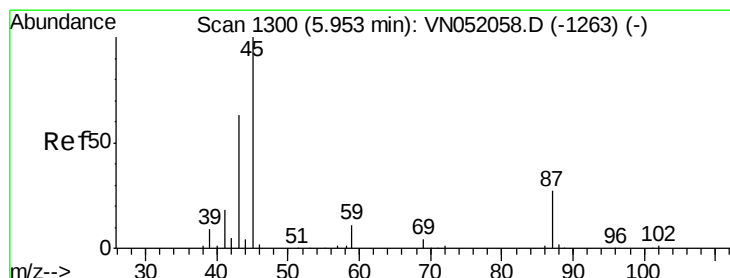
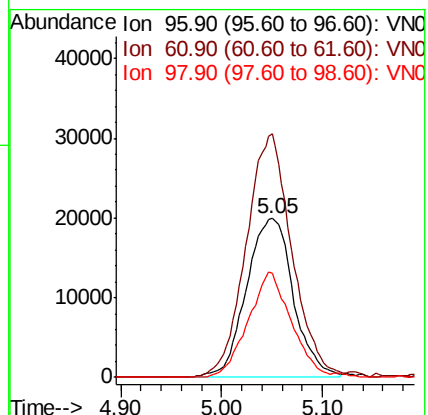
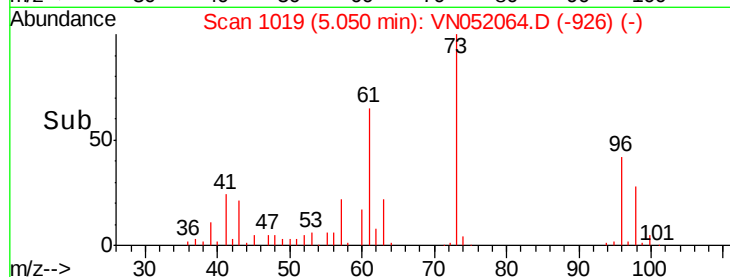
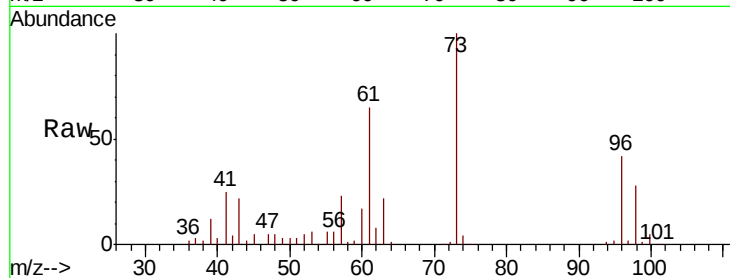
Tgt Ion: 96 Resp: 64464

Ion Ratio Lower Upper

96 100

61 153.5 118.6 178.0

98 65.7 49.7 74.5



#22

Diisopropyl ether

Concen: 21.089 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Tgt Ion: 45 Resp: 238024

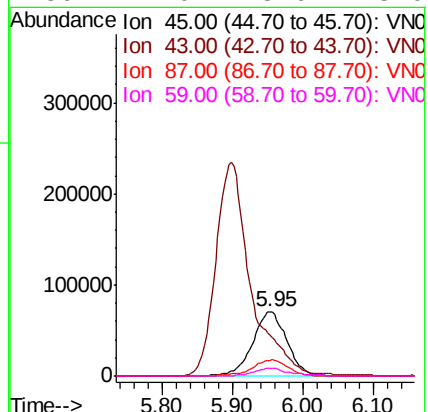
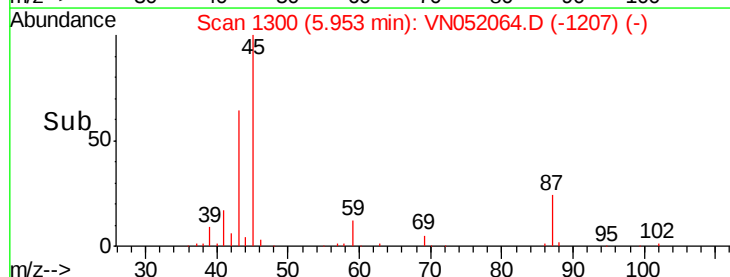
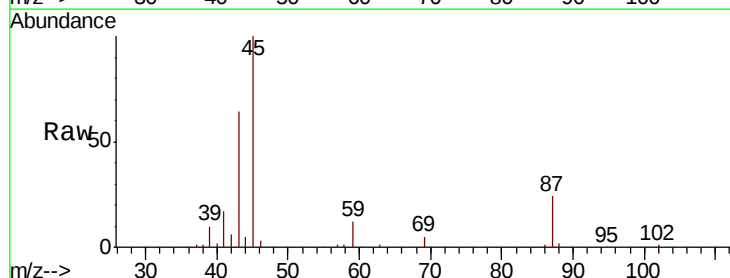
Ion Ratio Lower Upper

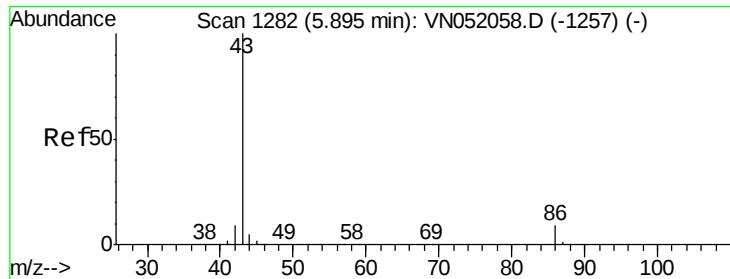
45 100

43 61.9 50.5 75.7

87 24.3 21.5 32.3

59 12.0 8.6 13.0





#23

Vinyl Acetate

Concen: 103.363 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

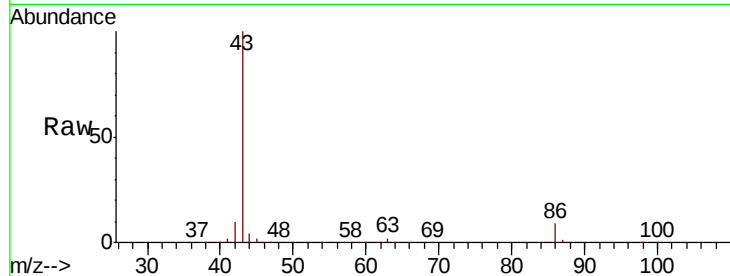
VN1030WBSD01

Tgt Ion: 43 Resp: 808328

Ion Ratio Lower Upper

43 100

86 9.2 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-1257) (-)

Ion 86.00 (85.70 to 86.70): VN052058.D (-1257) (-)

5.90

250000

200000

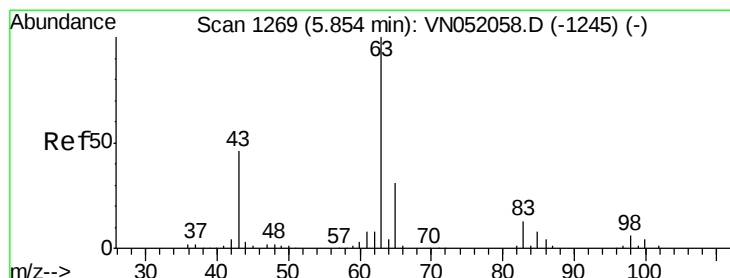
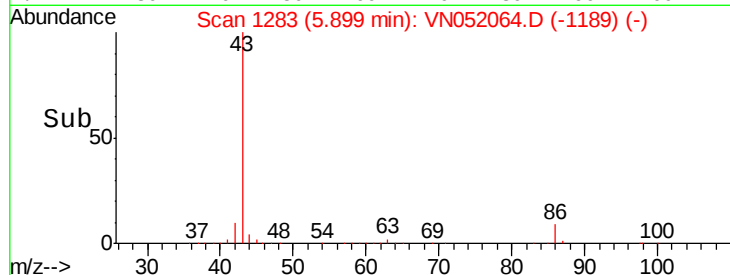
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.015 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

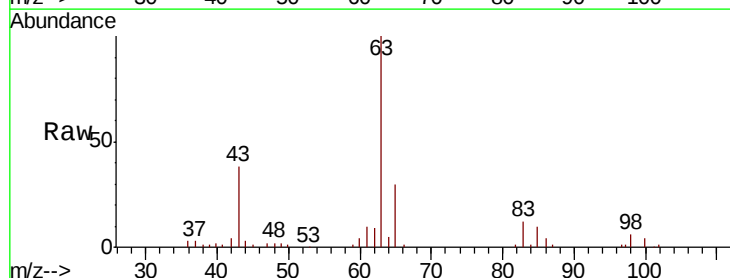
Tgt Ion: 63 Resp: 132634

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN052058.D (-1245) (-)

Ion 97.90 (97.60 to 98.60): VN052058.D (-1245) (-)

Ion 99.90 (99.60 to 100.60): VN052058.D (-1245) (-)

5.85

50000

40000

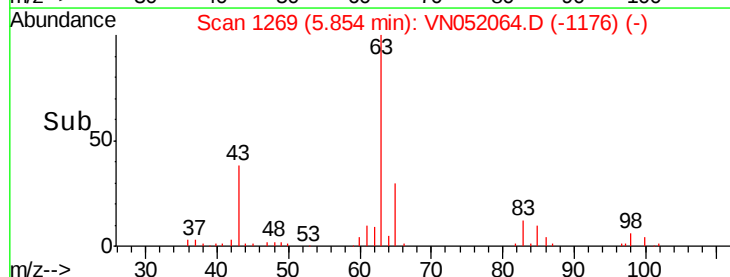
30000

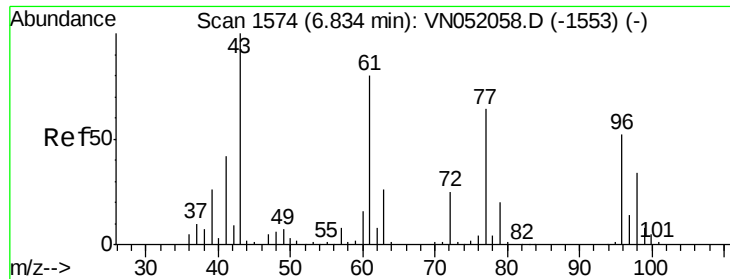
20000

10000

0

Time-->

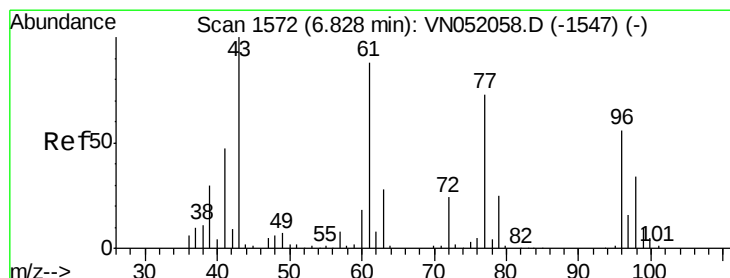
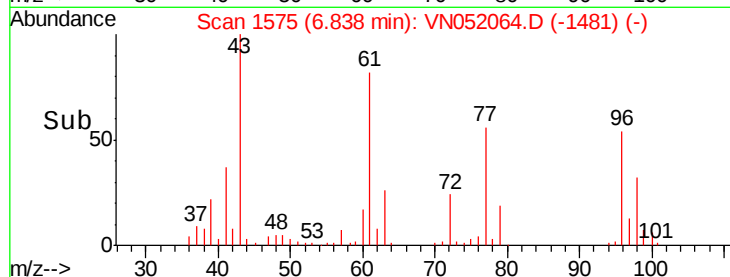
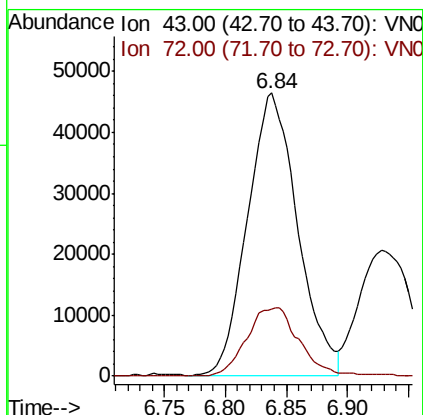
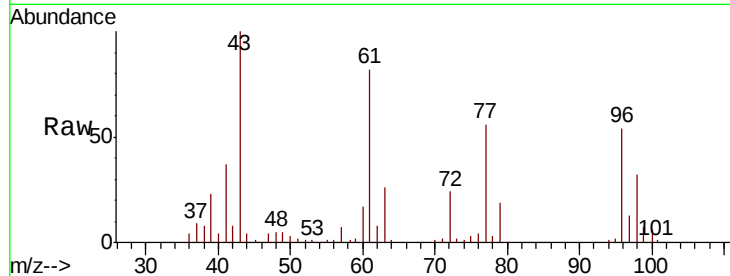




#25
2-Butanone
Concen: 99.489 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

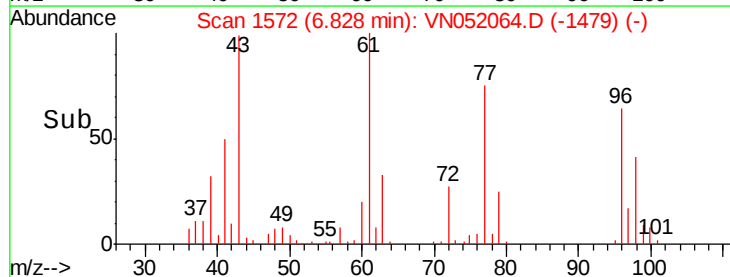
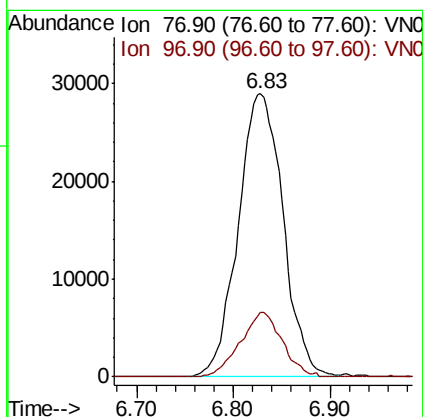
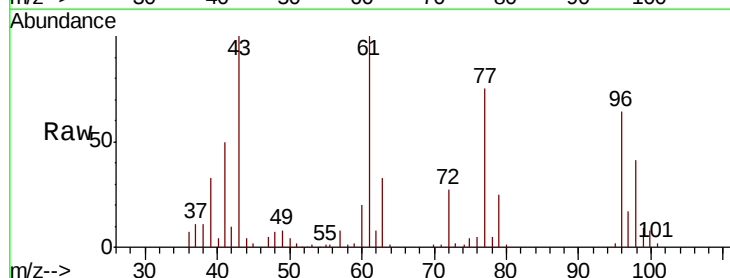
Instrument :
MSVOA_N
ClientSampled :
VN1030WBSD01

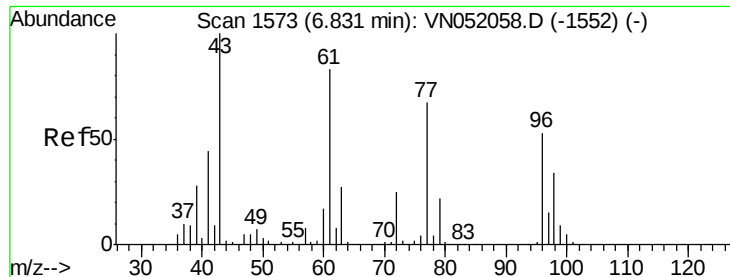
Tgt Ion: 43 Resp: 132945
Ion Ratio Lower Upper
43 100
72 23.8 20.2 30.2



#26
2,2-Dichloropropane
Concen: 18.583 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Tgt Ion: 77 Resp: 93142
Ion Ratio Lower Upper
77 100
97 21.4 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 21.076 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

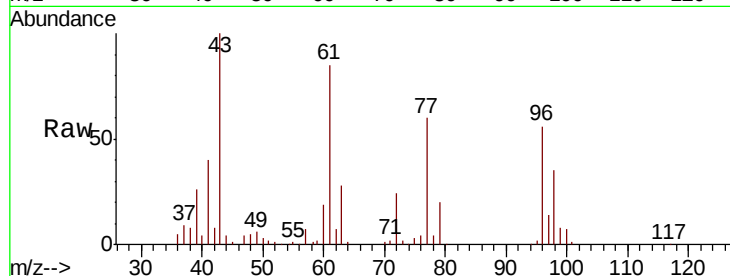
Tgt Ion: 96 Resp: 74887

Ion Ratio Lower Upper

96 100

61 157.0 0.0 312.8

98 63.0 0.0 127.0

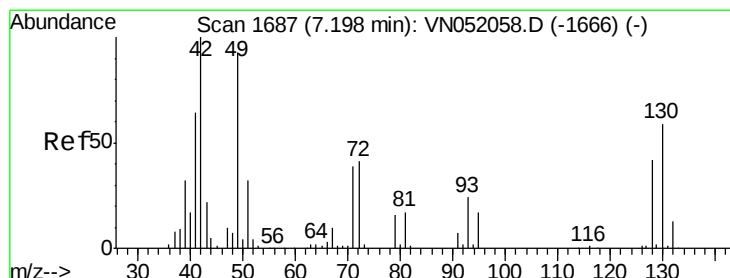
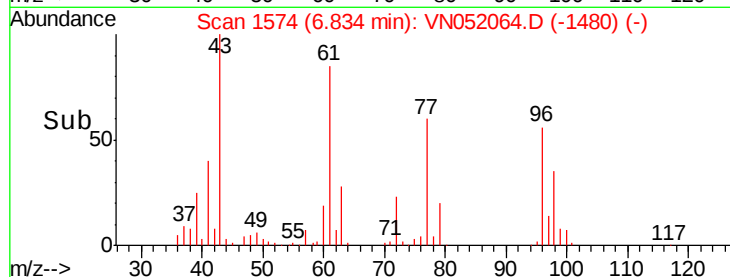
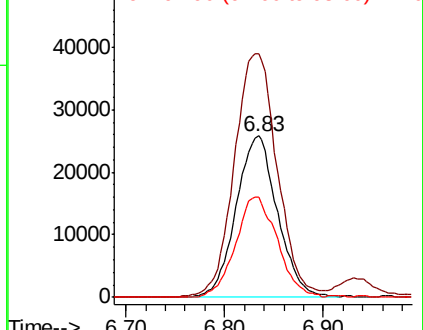


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.988 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

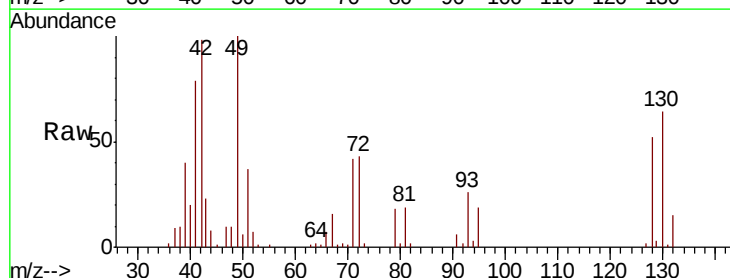
Tgt Ion: 49 Resp: 59390

Ion Ratio Lower Upper

49 100

129 1.4 0.0 2.4

130 66.6 50.8 76.2

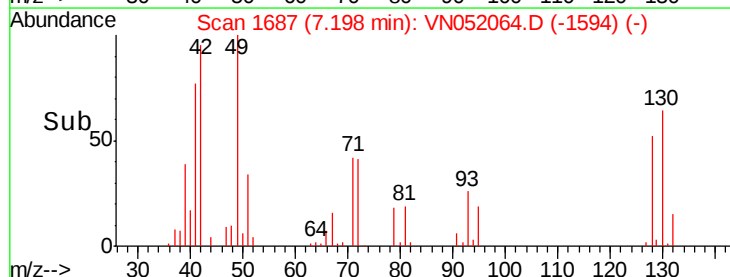
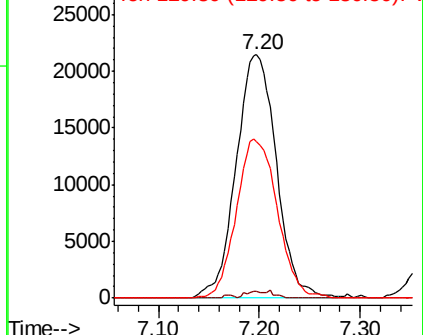


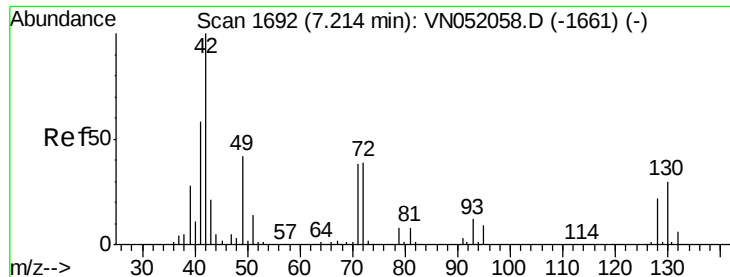
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

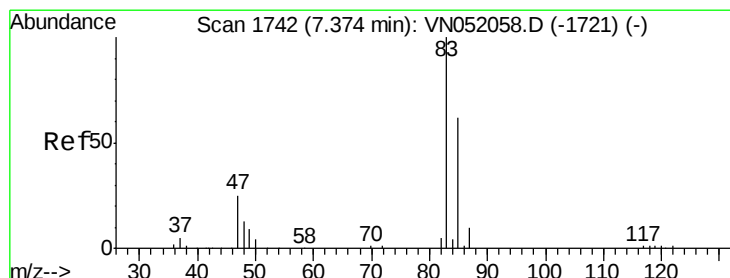
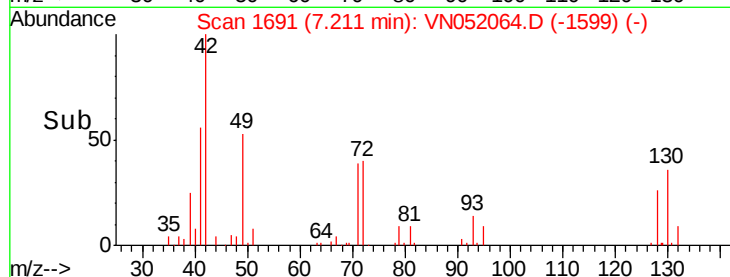
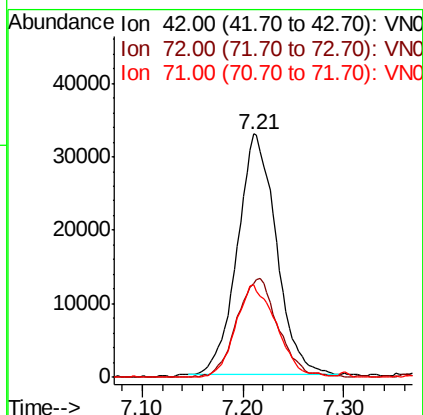
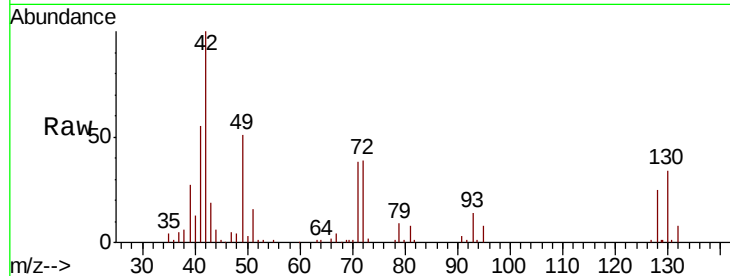




#29
Tetrahydrofuran
Concen: 98.420 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

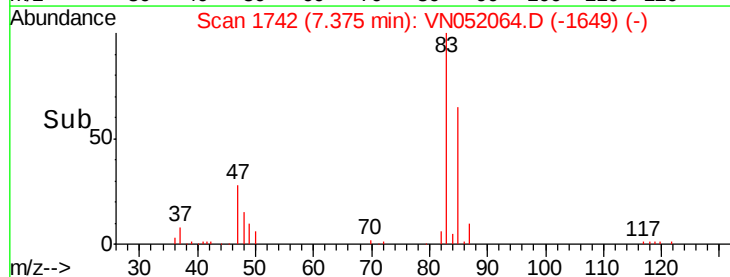
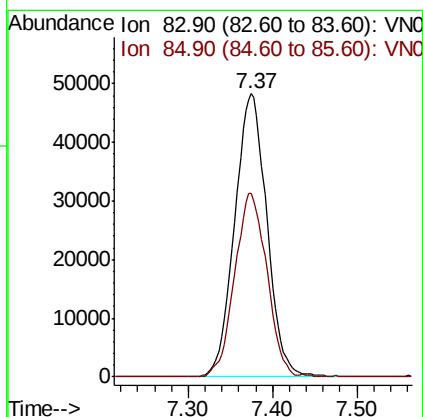
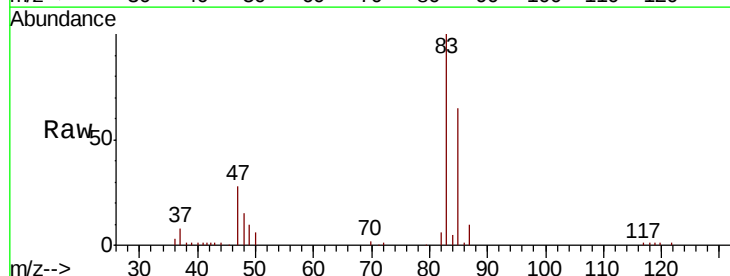
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

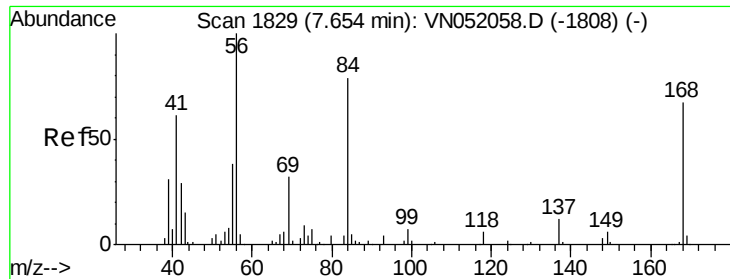
Tgt Ion: 42 Resp: 87618
Ion Ratio Lower Upper
42 100
72 44.0 32.5 48.7
71 40.5 30.6 46.0



#30
Chloroform
Concen: 20.388 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Tgt Ion: 83 Resp: 128440
Ion Ratio Lower Upper
83 100
85 64.8 49.6 74.4

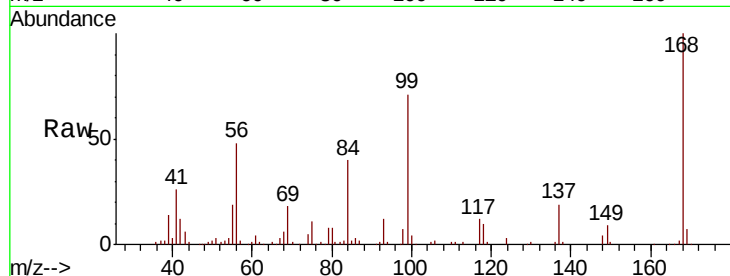




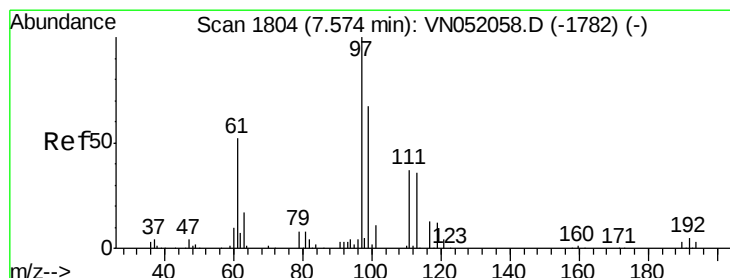
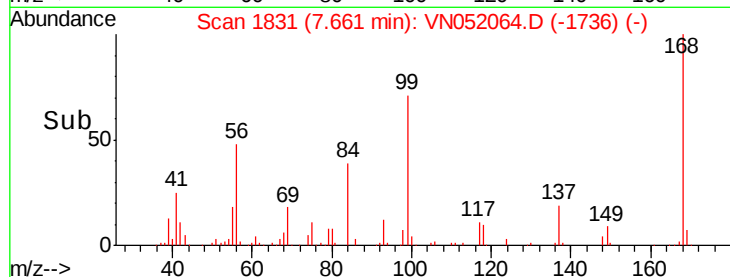
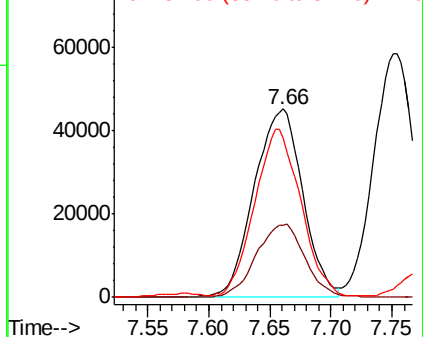
#31
Cyclohexane
Concen: 19.624 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion:	56	Resp:	125281
Ion	Ratio	Lower	Upper
56	100		
69	38.6	25.8	38.6
84	82.3	63.5	95.3

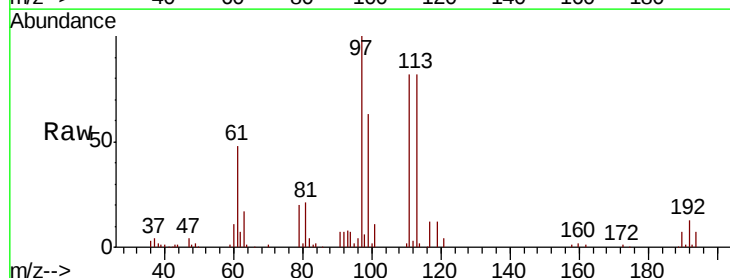


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

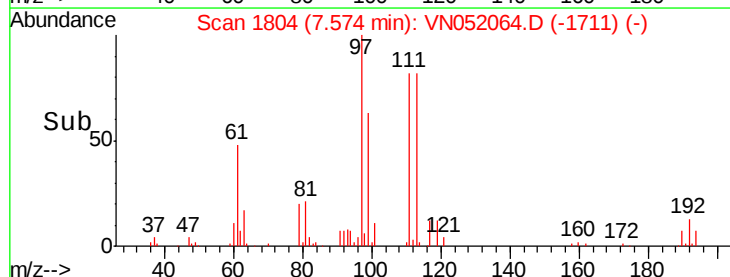
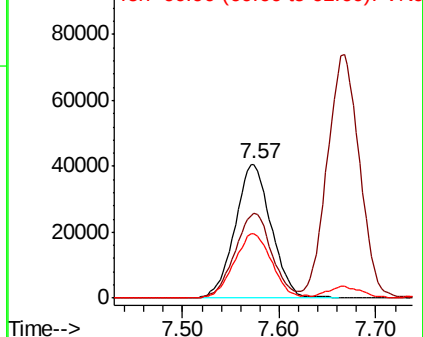


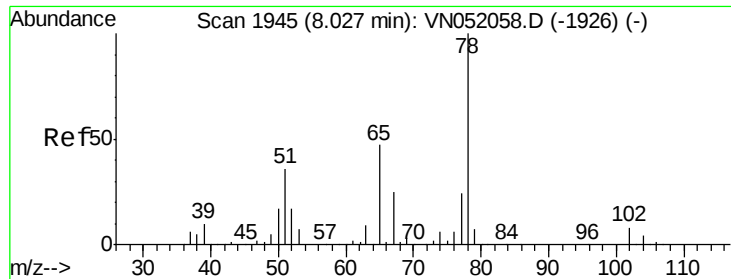
#32
1,1,1-Trichloroethane
Concen: 20.868 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Tgt Ion:	97	Resp:	105726
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	50.2	40.3	60.5



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

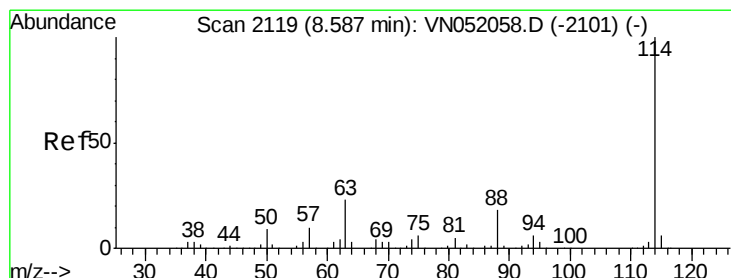
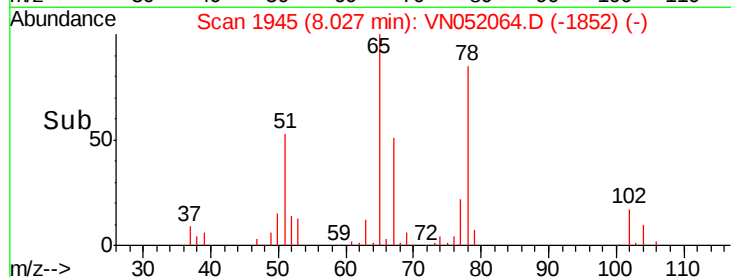
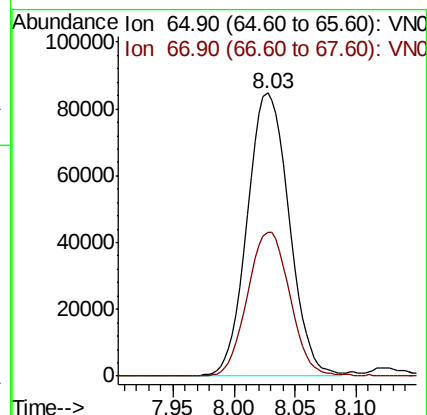
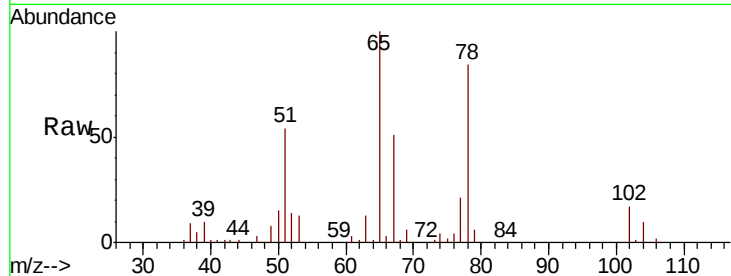




#33
 1,2-Dichloroethane-d4
 Concen: 20.868 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

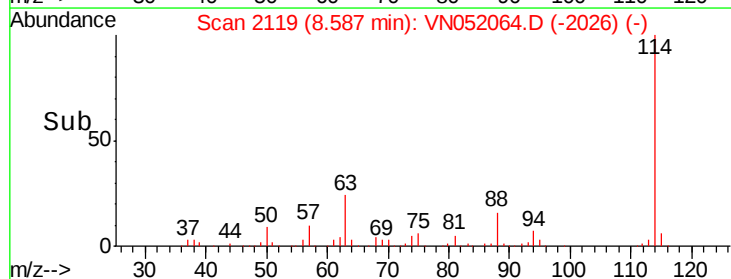
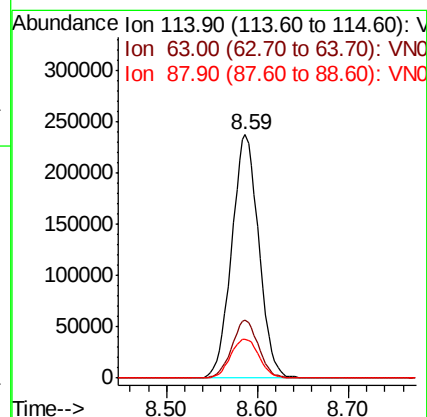
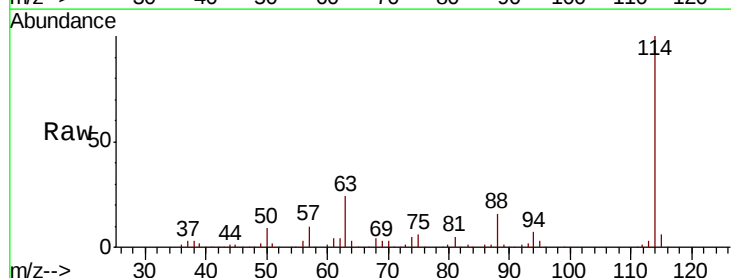
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

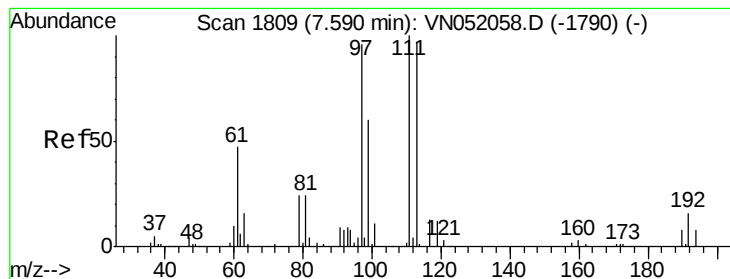
Tgt Ion: 65 Resp: 201866
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Tgt Ion: 114 Resp: 489571
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 46.0
 88 15.8 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

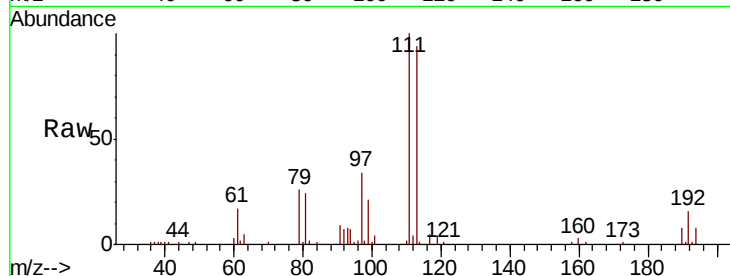
Tgt Ion:113 Resp: 151087

Ion Ratio Lower Upper

113 100

111 102.3 83.1 124.7

192 16.1 12.7 19.1

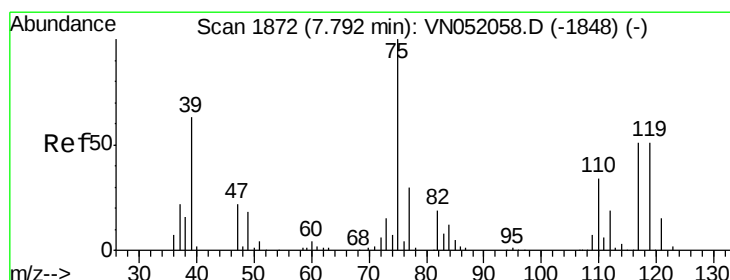
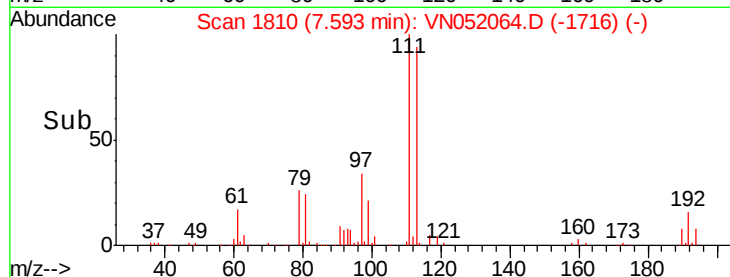
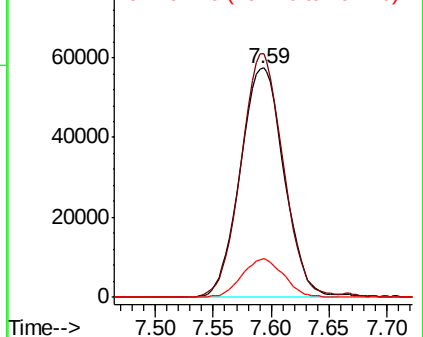


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.913 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

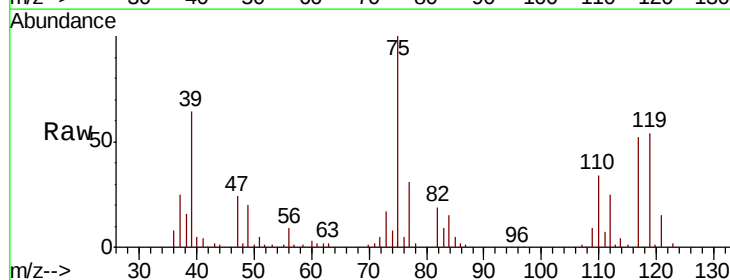
Tgt Ion: 75 Resp: 99128

Ion Ratio Lower Upper

75 100

110 32.7 16.0 48.0

77 30.5 24.5 36.7

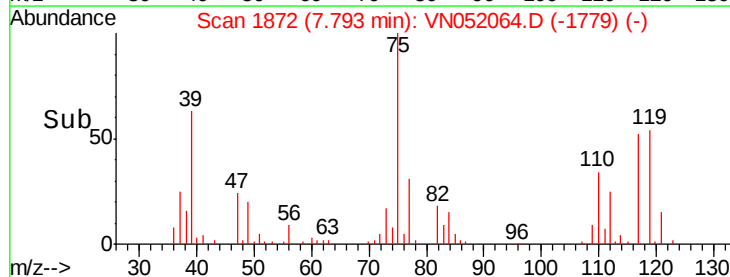
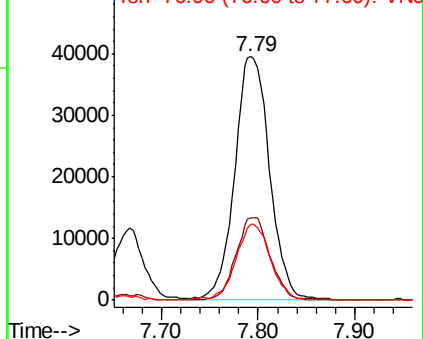


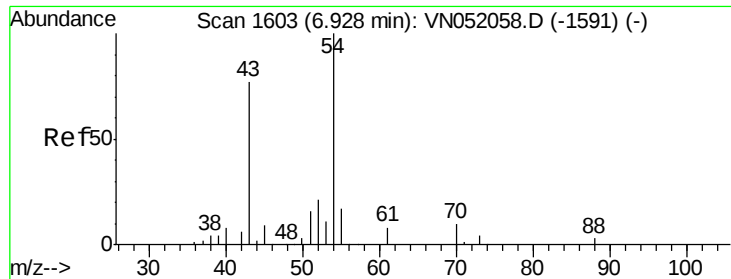
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

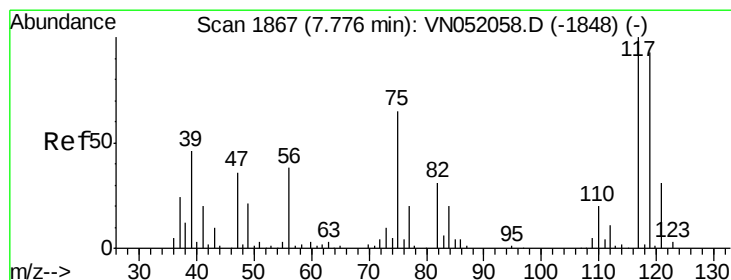
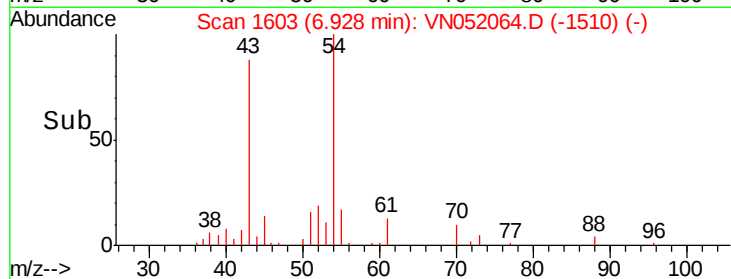
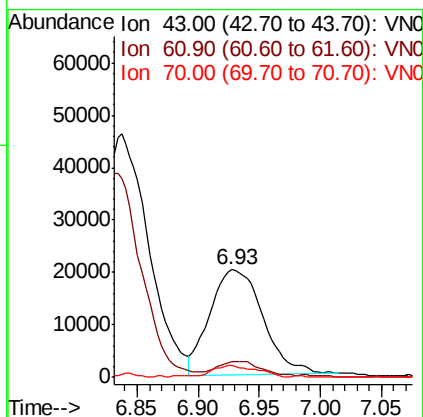
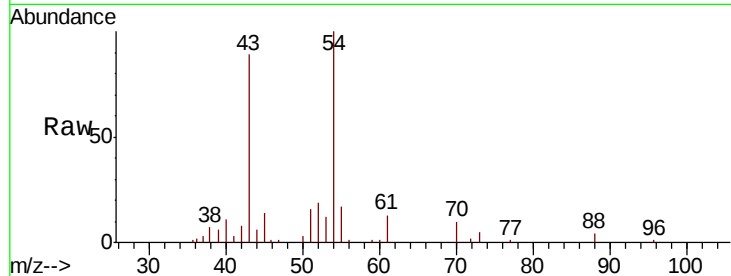




#37
 Ethyl Acetate
 Concen: 18.169 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

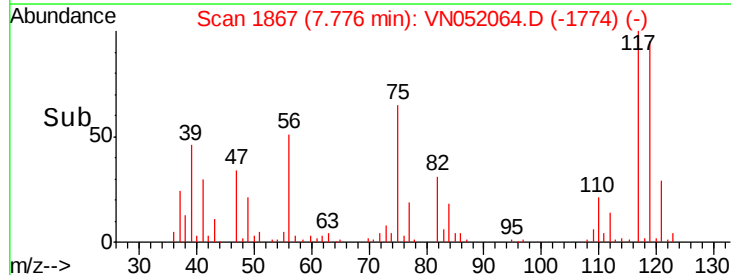
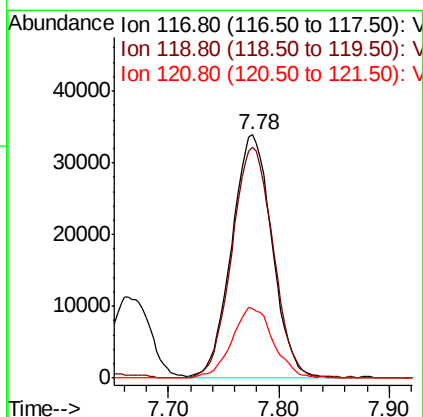
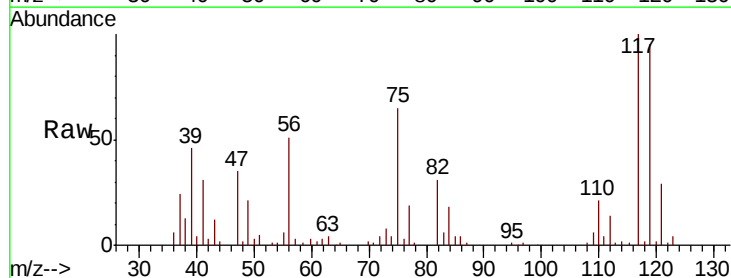
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

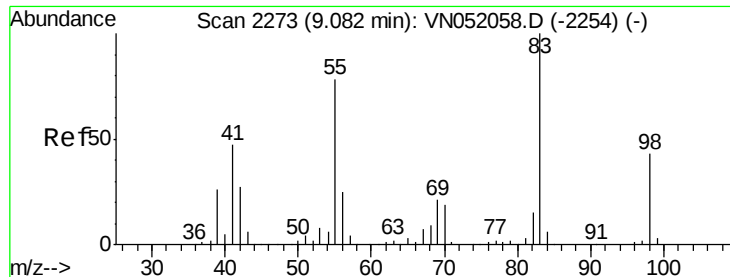
Tgt Ion: 43 Resp: 60539
 Ion Ratio Lower Upper
 43 100
 61 10.7 10.9 16.3#
 70 10.2 8.6 12.8



#38
 Carbon Tetrachloride
 Concen: 20.112 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Tgt Ion: 117 Resp: 86327
 Ion Ratio Lower Upper
 117 100
 119 95.0 74.8 112.2
 121 28.6 25.1 37.7

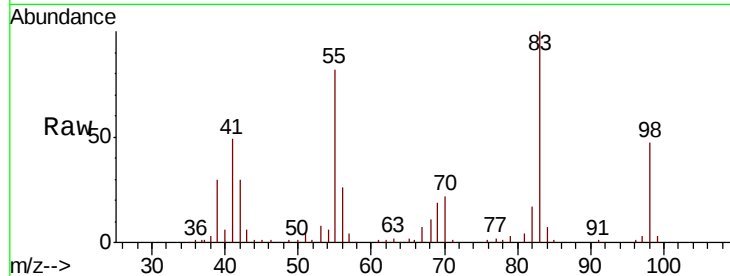




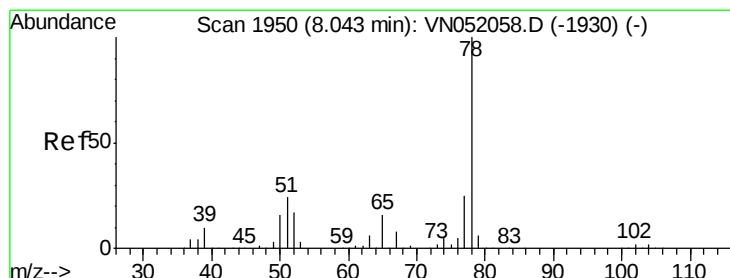
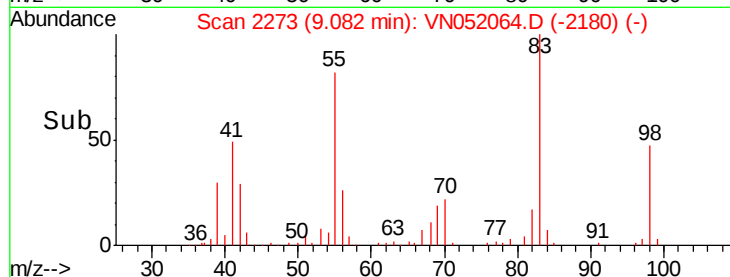
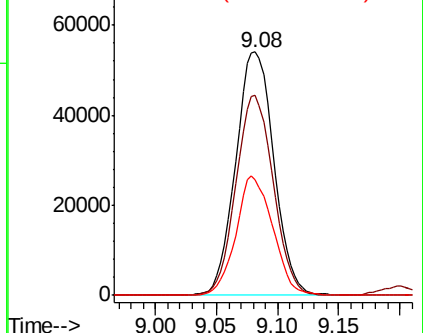
#39
Methylcyclohexane
Concen: 19.820 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion: 83 Resp: 117085
Ion Ratio Lower Upper
83 100
55 82.2 62.0 93.0
98 47.5 34.7 52.1

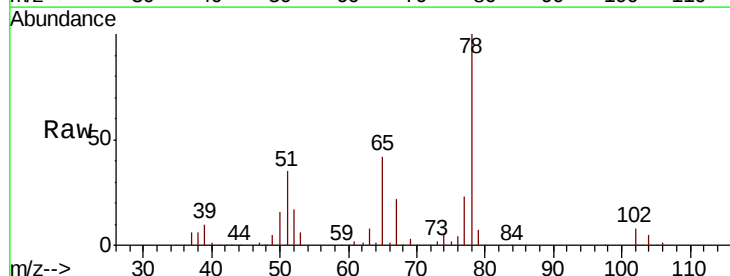


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

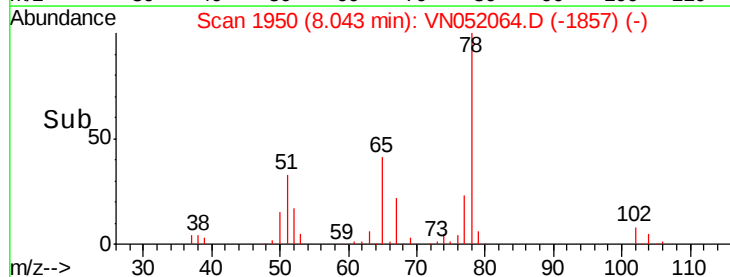
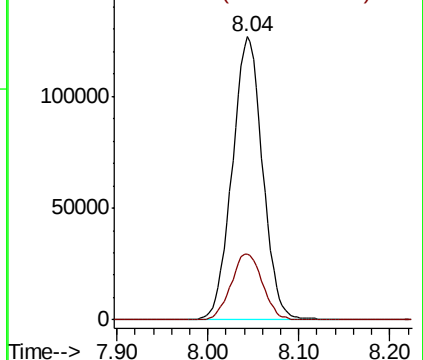


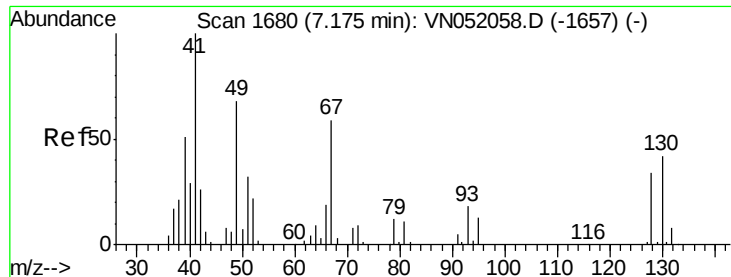
#40
Benzene
Concen: 20.360 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Tgt Ion: 78 Resp: 293164
Ion Ratio Lower Upper
78 100
77 23.4 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 18.624 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tgt Ion: 41 Resp: 31868

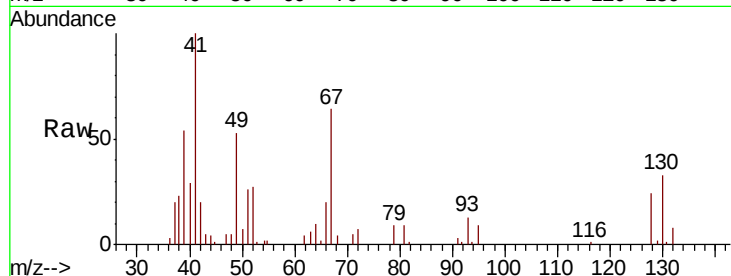
Ion Ratio Lower Upper

41 100

39 70.3 33.2 49.8#

67 87.2 63.5 95.3

52 36.5 25.6 38.4

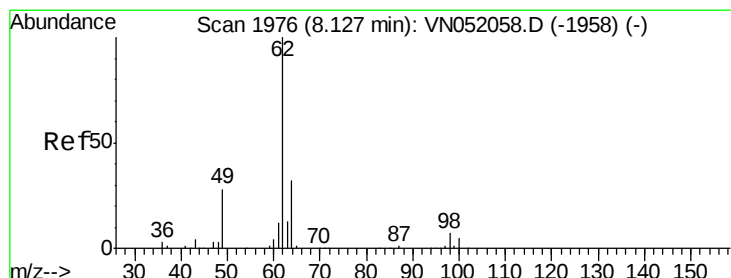
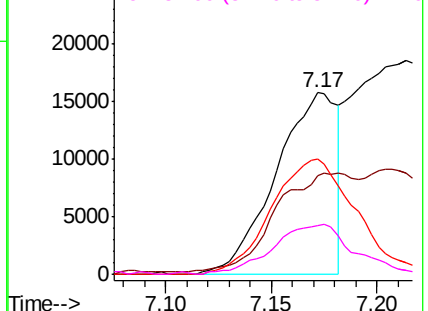
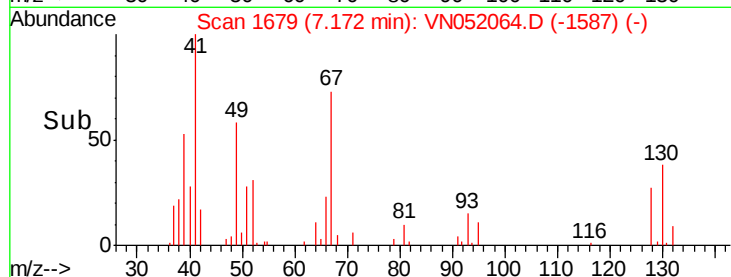


Abundance Ion 41.00 (40.70 to 41.70): VN0

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



#42

1,2-Dichloroethane

Concen: 19.409 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052064.D

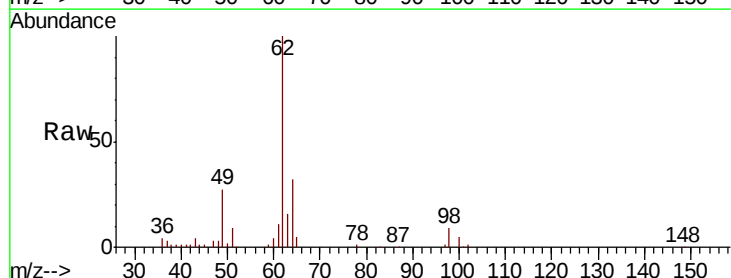
Acq: 30 Oct 2018 15:10

Tgt Ion: 62 Resp: 103132

Ion Ratio Lower Upper

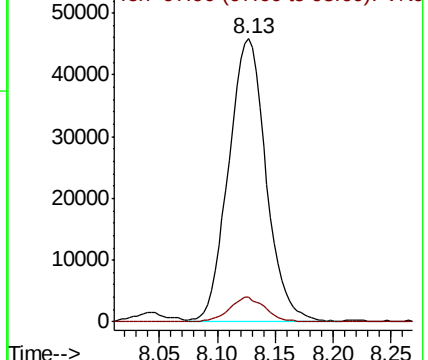
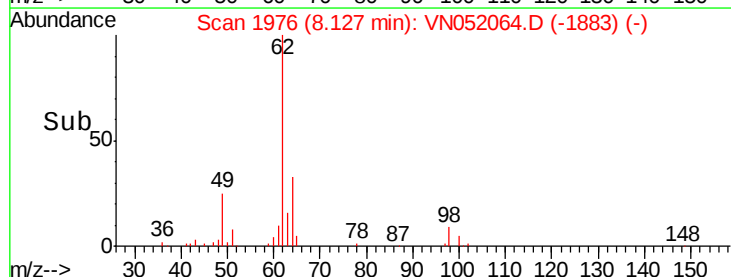
62 100

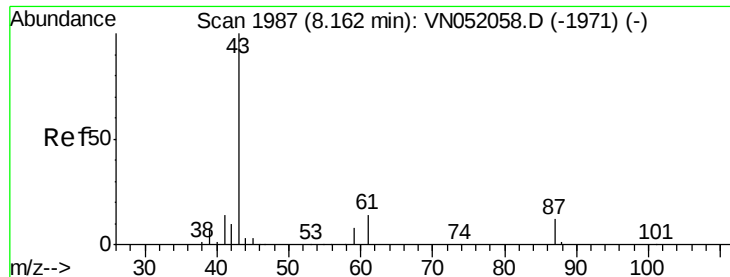
98 8.3 0.0 15.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.523 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

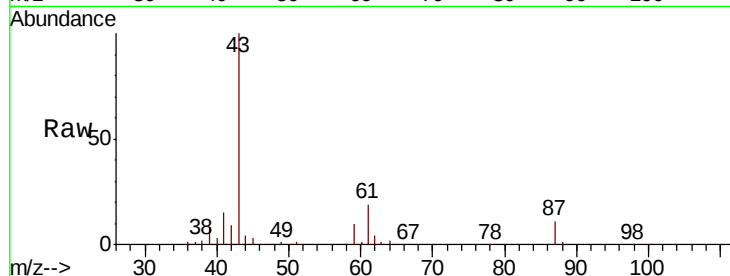
Tgt Ion: 43 Resp: 115694

Ion Ratio Lower Upper

43 100

61 28.4 15.4 23.0#

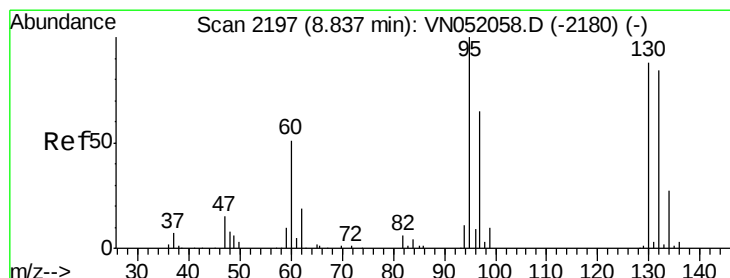
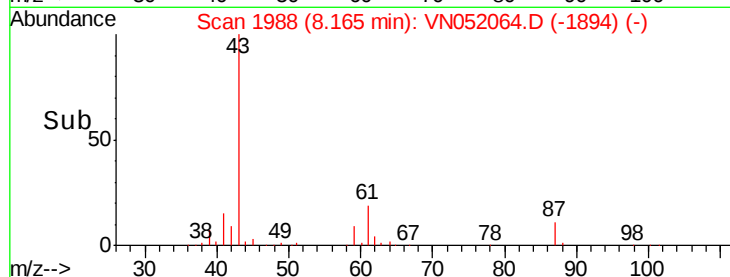
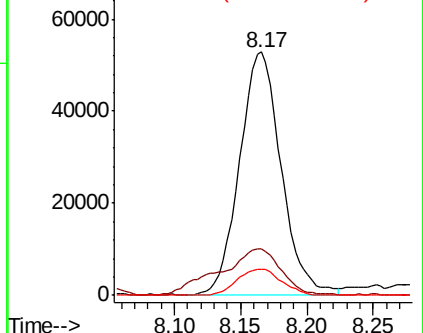
87 11.5 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN052058.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN052058.D (-1971) (-)



#44

Trichloroethene

Concen: 21.070 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052064.D

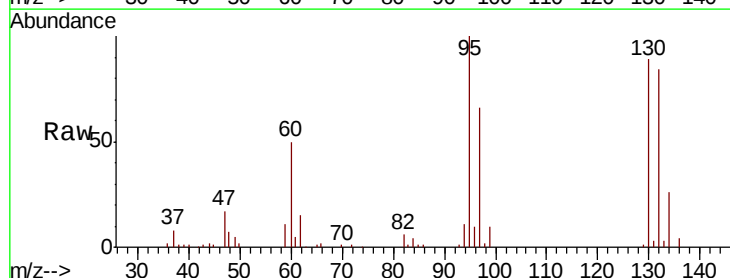
Acq: 30 Oct 2018 15:10

Tgt Ion:130 Resp: 67848

Ion Ratio Lower Upper

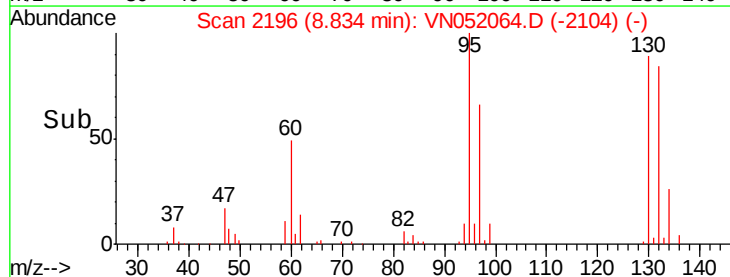
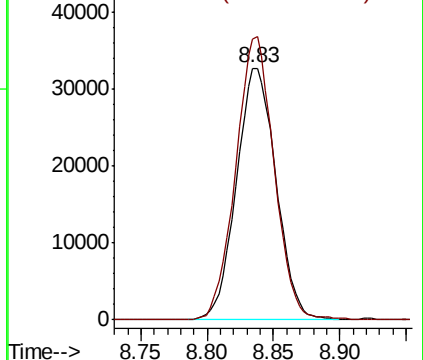
130 100

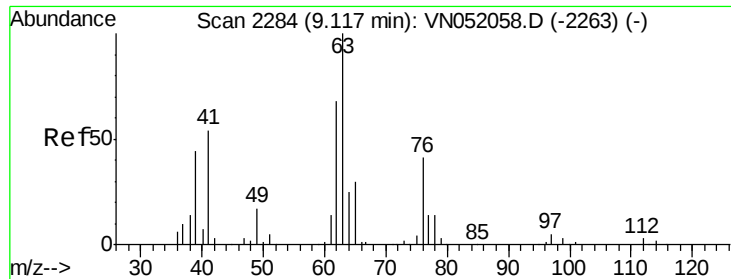
95 111.9 0.0 228.4



Abundance Ion 129.80 (129.50 to 130.50): VN052058.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN052058.D (-2180) (-)

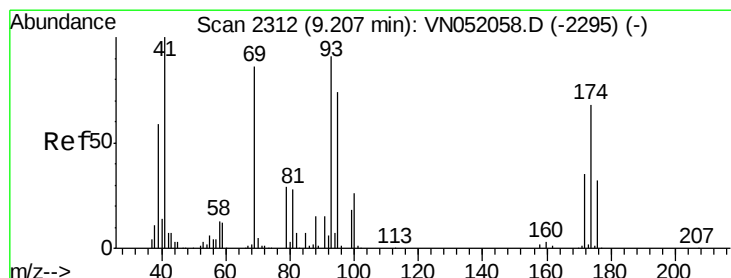
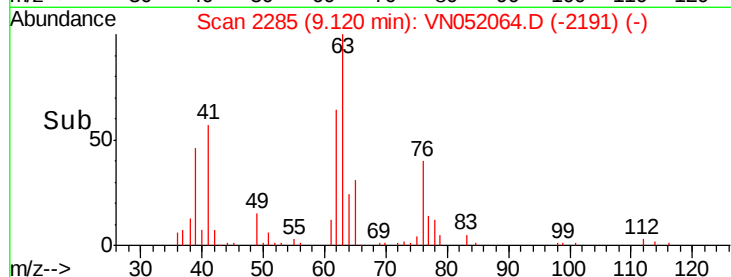
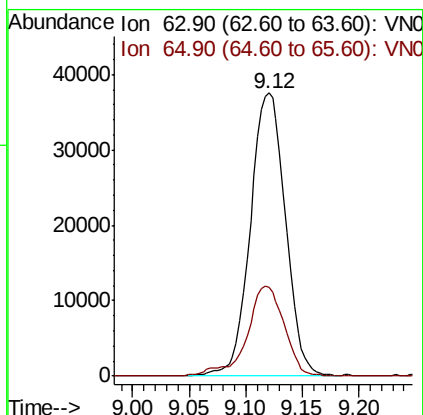
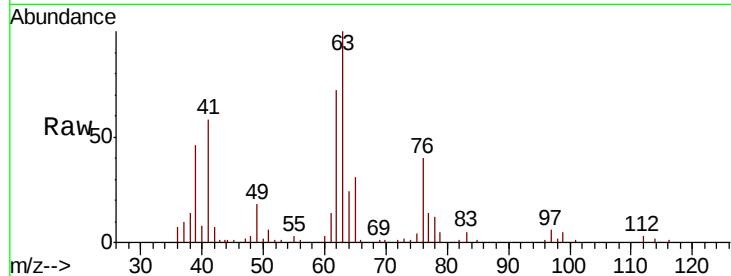




#45
 1,2-Dichloropropane
 Concen: 19.745 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

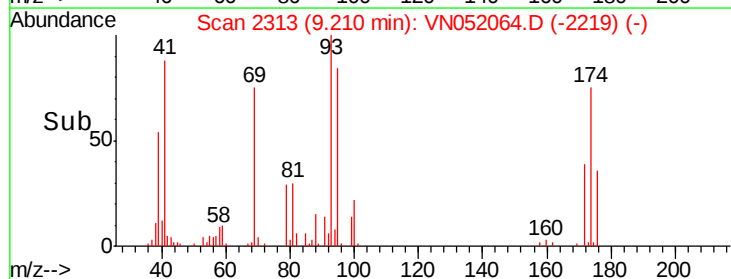
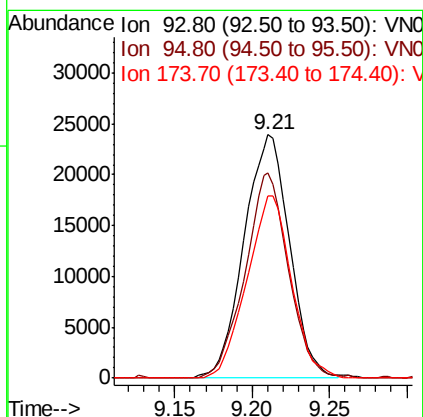
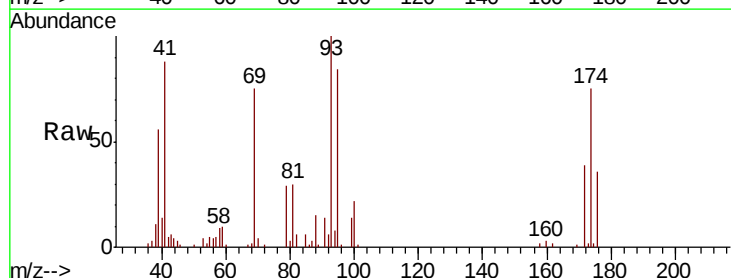
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

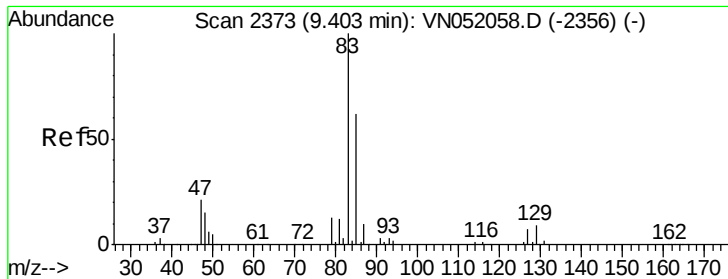
Tgt Ion: 63 Resp: 80990
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.5 36.7



#46
 Dibromomethane
 Concen: 21.293 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Tgt Ion: 93 Resp: 48813
 Ion Ratio Lower Upper
 93 100
 95 80.7 67.2 100.8
 174 73.4 59.7 89.5





#47

Bromodichloromethane

Concen: 20.169 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

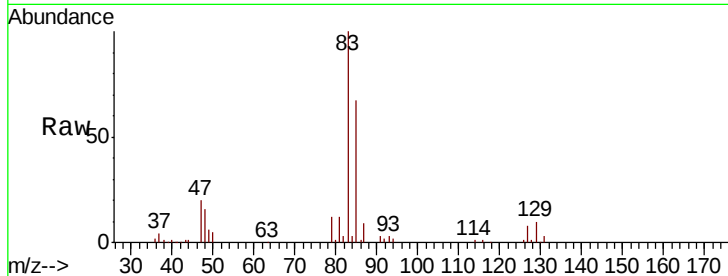
Tgt Ion: 83 Resp: 96430

Ion Ratio Lower Upper

83 100

85 67.3 49.4 74.2

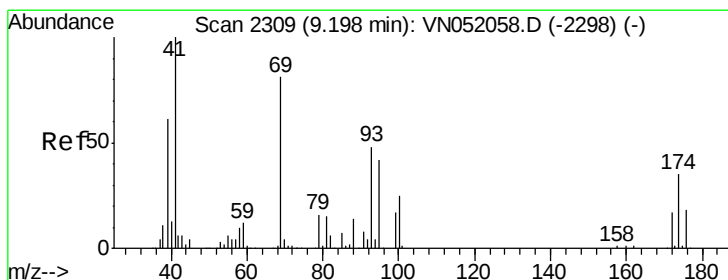
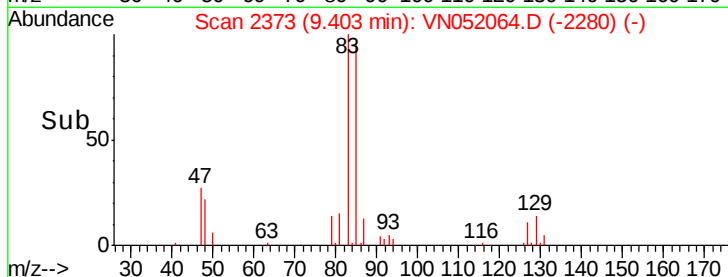
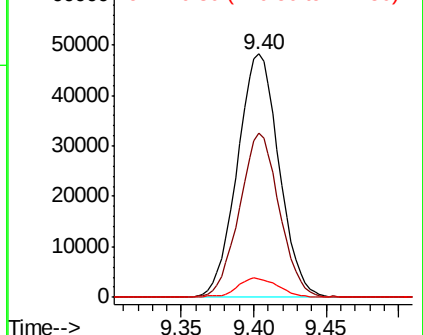
127 7.6 5.8 8.8



Abundance Ion 82.90 (82.60 to 83.60): VN052058.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN052058.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN052058.D (-2356) (-)



#48

Methyl methacrylate

Concen: 19.448 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

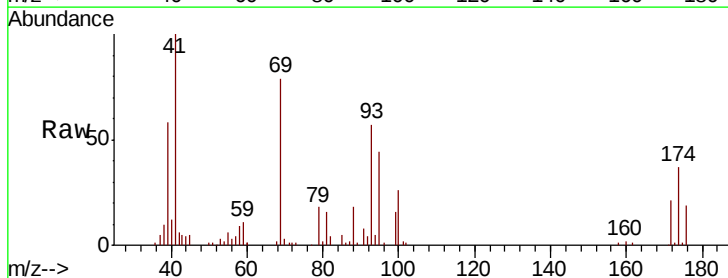
Tgt Ion: 41 Resp: 58432

Ion Ratio Lower Upper

41 100

69 86.3 67.1 100.7

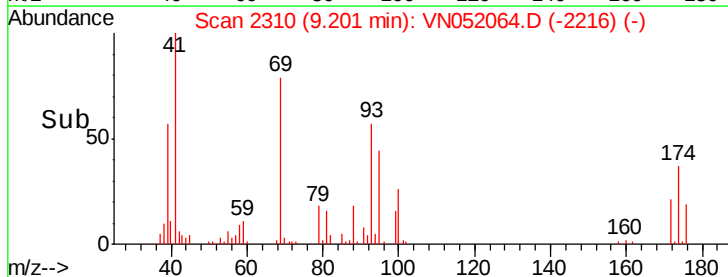
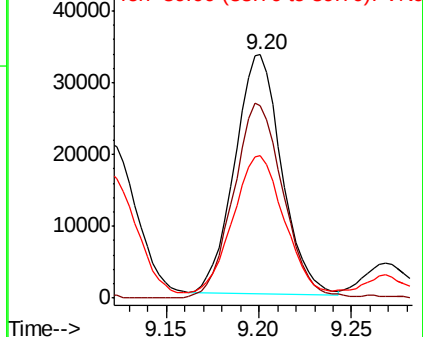
39 66.5 50.5 75.7

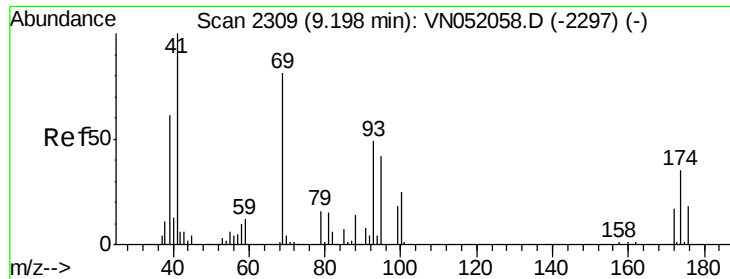


Abundance Ion 41.00 (40.70 to 41.70): VN052058.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN052058.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN052058.D (-2298) (-)

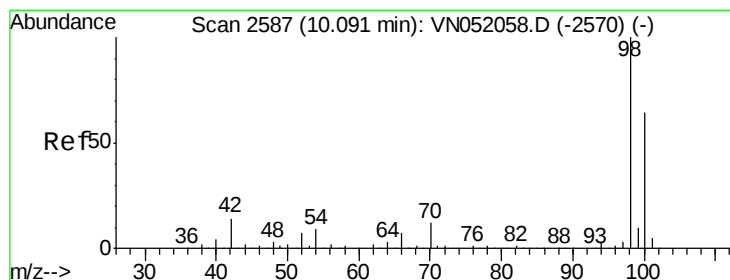
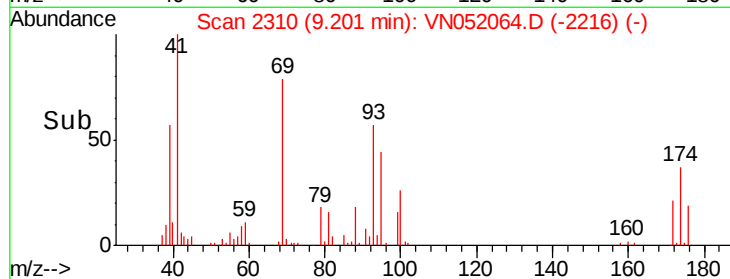
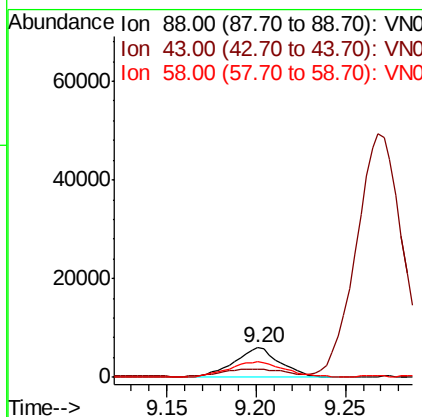
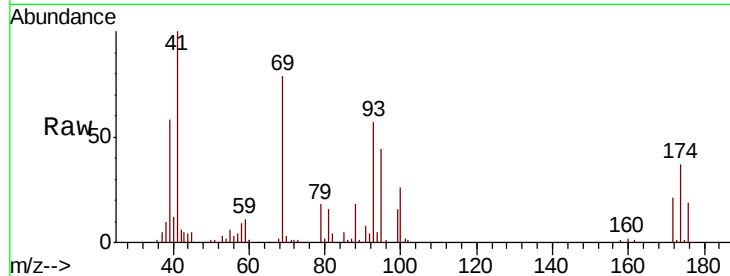




#49
 1,4-Dioxane
 Concen: 439.207 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

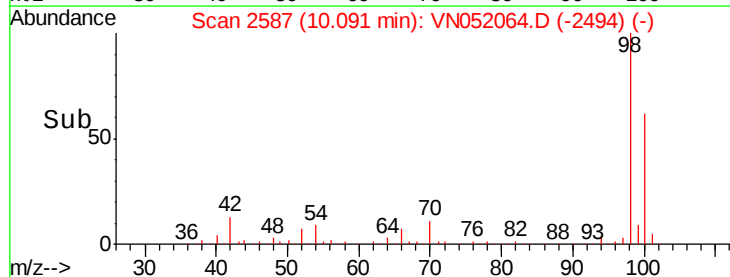
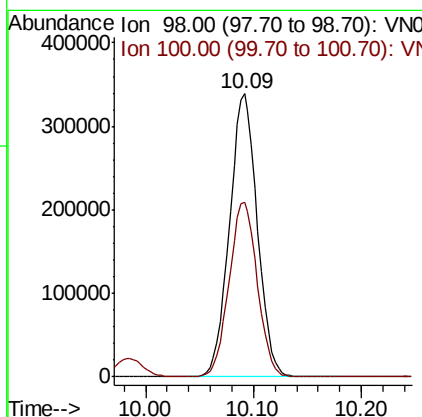
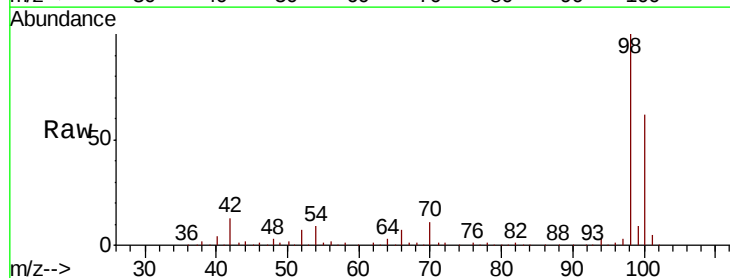
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

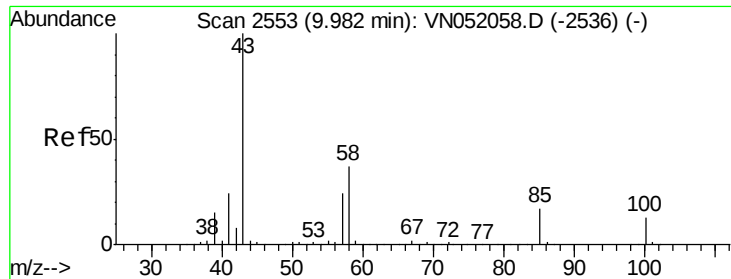
Tgt Ion: 88 Resp: 10702
 Ion Ratio Lower Upper
 88 100
 43 33.5 34.1 51.1#
 58 66.6 62.8 94.2



#50
 Toluene-d8
 Concen: 439.207 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Tgt Ion: 98 Resp: 608982
 Ion Ratio Lower Upper
 98 100
 100 62.6 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 99.273 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

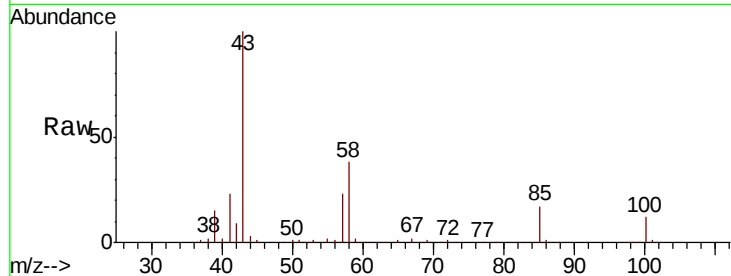
VN1030WBSD01

Tgt Ion: 43 Resp: 319763

Ion Ratio Lower Upper

43 100

58 37.0 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-2536) (-)

200000

150000

100000

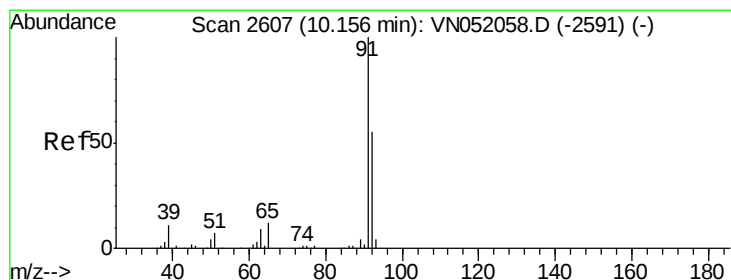
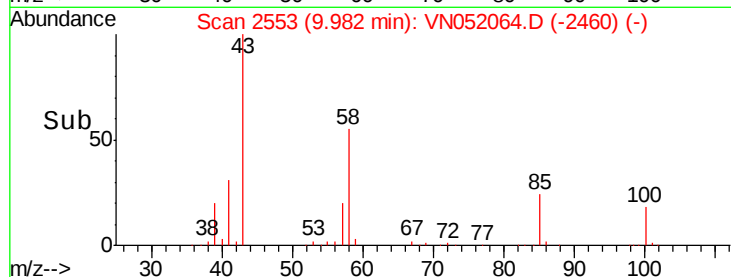
50000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 20.293 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052064.D

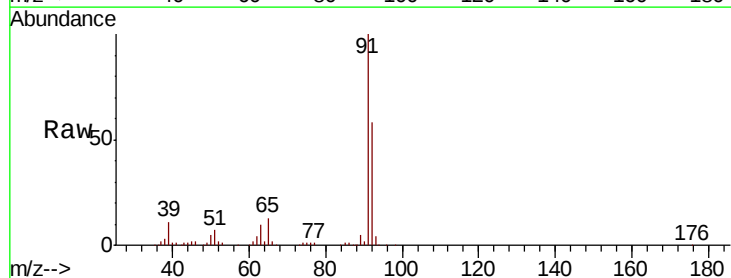
Acq: 30 Oct 2018 15:10

Tgt Ion: 92 Resp: 176384

Ion Ratio Lower Upper

92 100

91 178.8 143.9 215.9



Abundance Ion 92.00 (91.70 to 92.70): VN052058.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052058.D (-2591) (-)

200000

150000

100000

50000

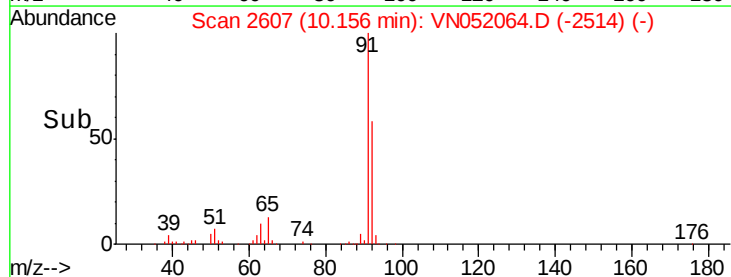
0

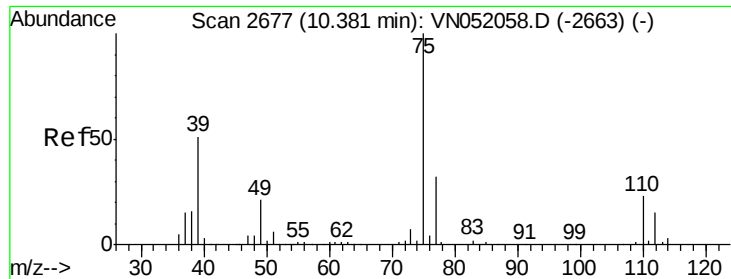
10.10

10.15

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.481 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

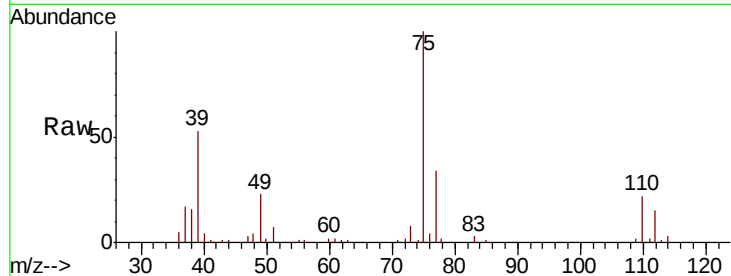
VN1030WBSD01

Tgt Ion: 75 Resp: 93420

Ion Ratio Lower Upper

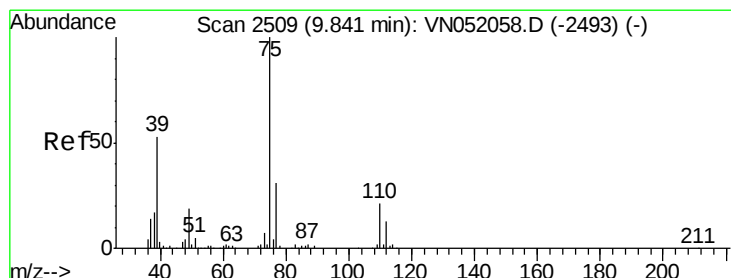
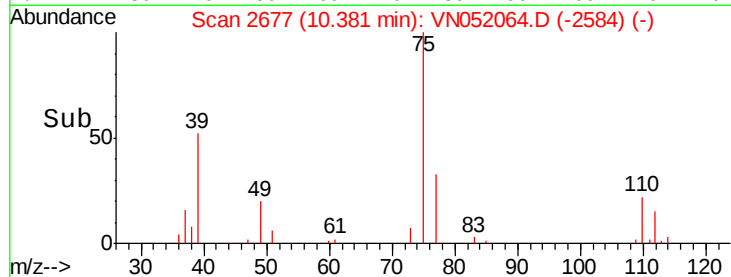
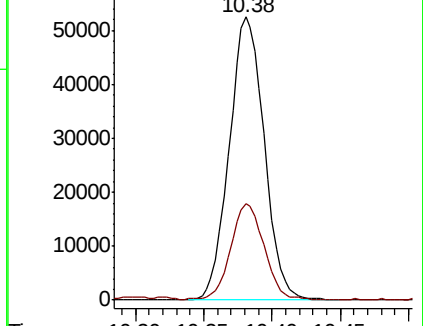
75 100

77 33.9 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.689 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

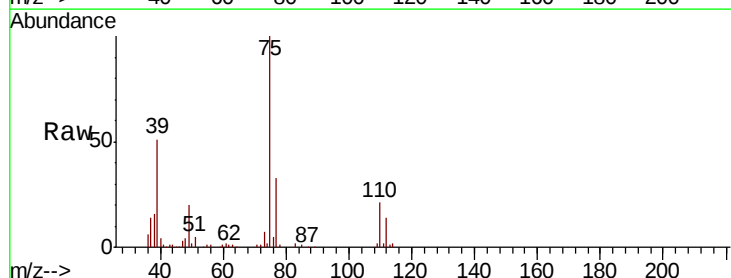
Tgt Ion: 75 Resp: 110527

Ion Ratio Lower Upper

75 100

77 32.7 25.0 37.4

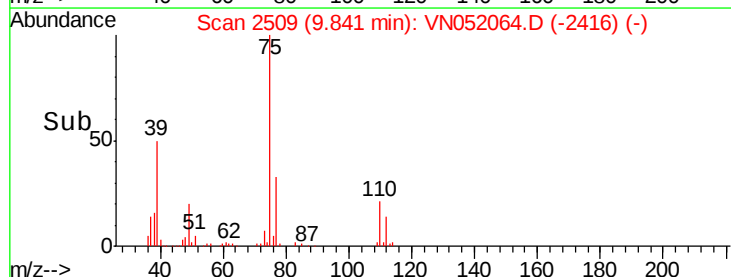
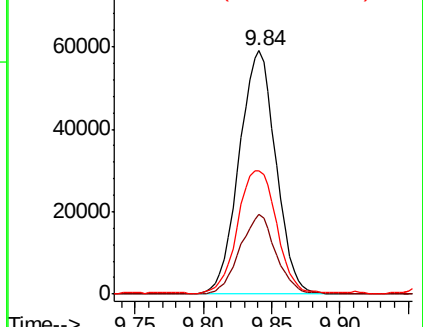
39 50.5 42.3 63.5

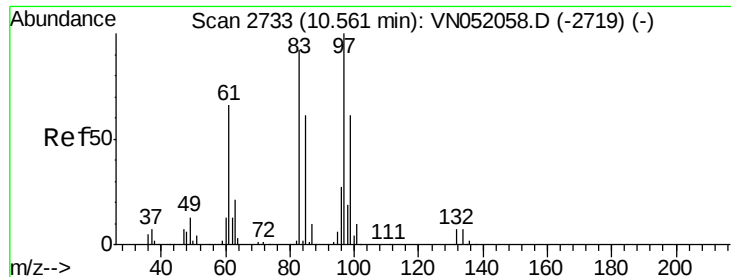


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

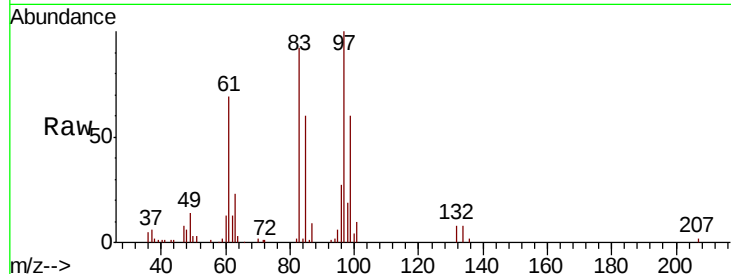




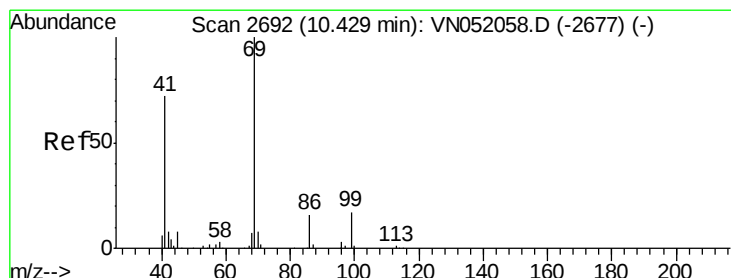
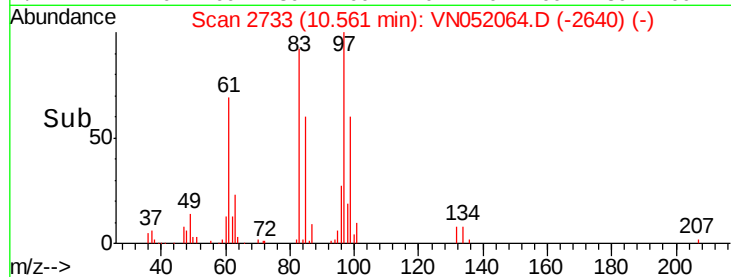
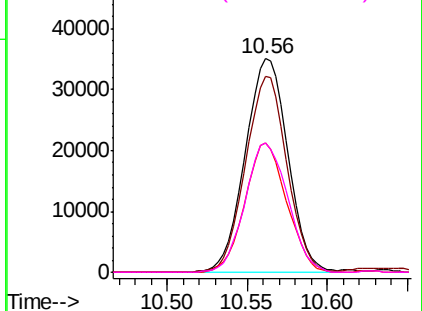
#55
 1,1,2-Trichloroethane
 Concen: 20.739 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tgt Ion: 97 Resp: 64202
 Ion Ratio Lower Upper
 97 100
 83 91.9 73.8 110.8
 85 60.3 48.4 72.6
 99 60.5 48.6 72.8

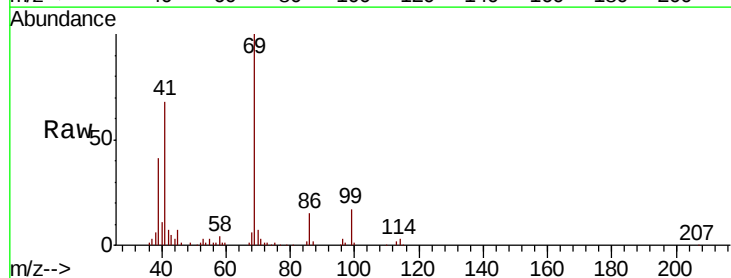


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

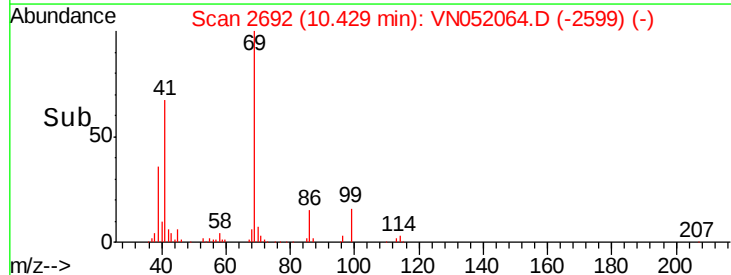
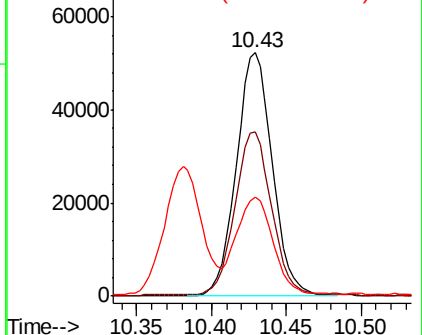


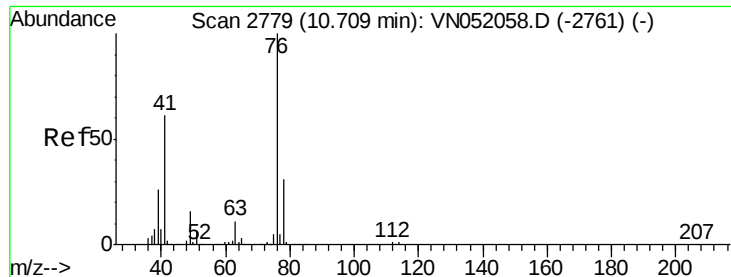
#56
 Ethyl methacrylate
 Concen: 19.794 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Tgt Ion: 69 Resp: 87655
 Ion Ratio Lower Upper
 69 100
 41 67.8 55.5 83.3
 39 40.8 33.0 49.4



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





#57

1,3-Dichloropropane

Concen: 19.824 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

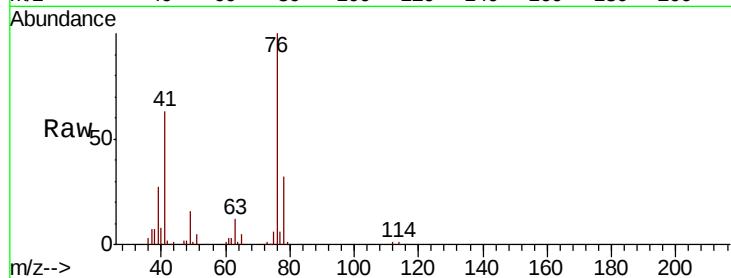
VN1030WBSD01

Tgt Ion: 76 Resp: 112920

Ion Ratio Lower Upper

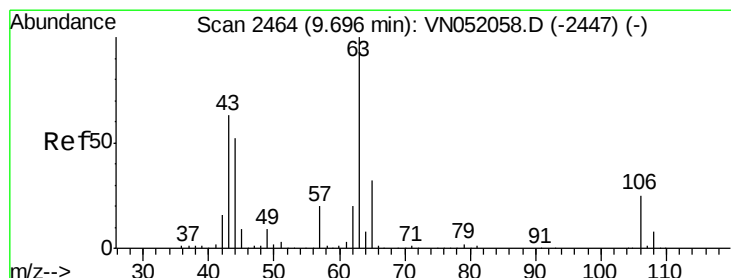
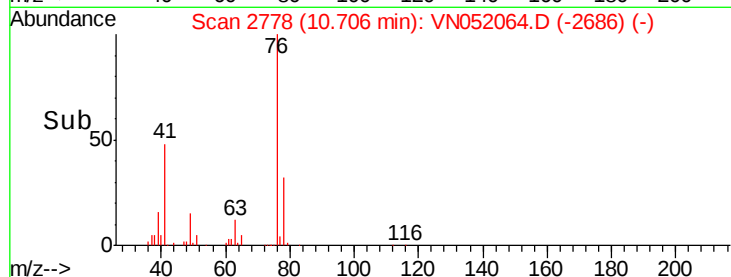
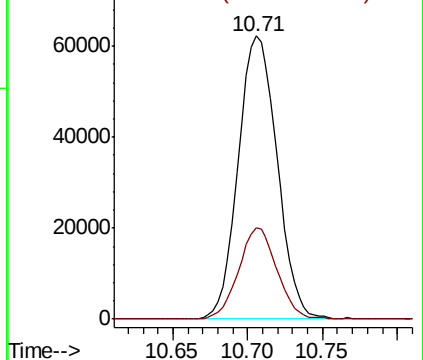
76 100

78 31.6 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 100.018 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052064.D

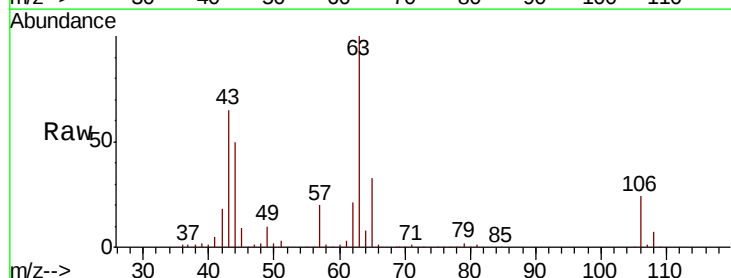
Acq: 30 Oct 2018 15:10

Tgt Ion: 63 Resp: 235592

Ion Ratio Lower Upper

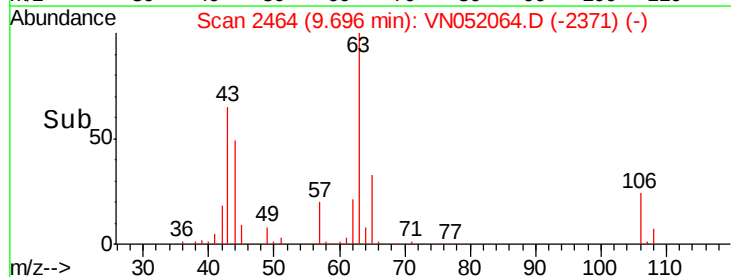
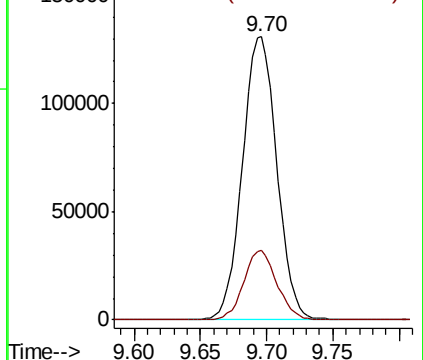
63 100

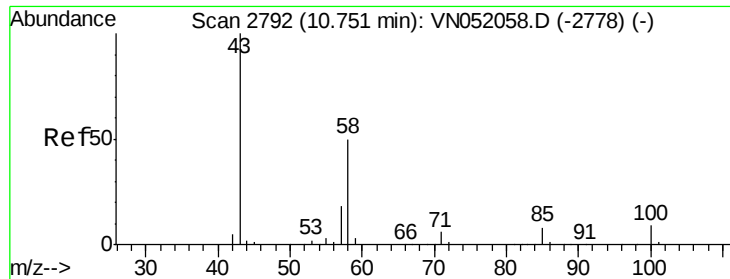
106 23.6 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

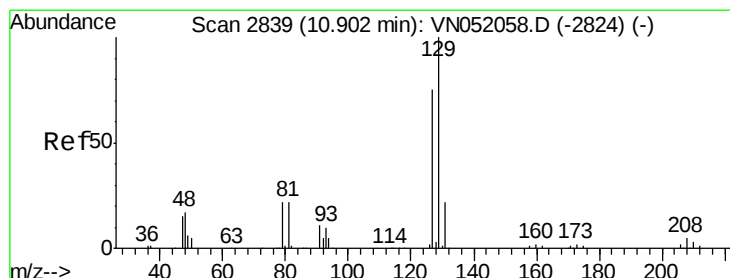
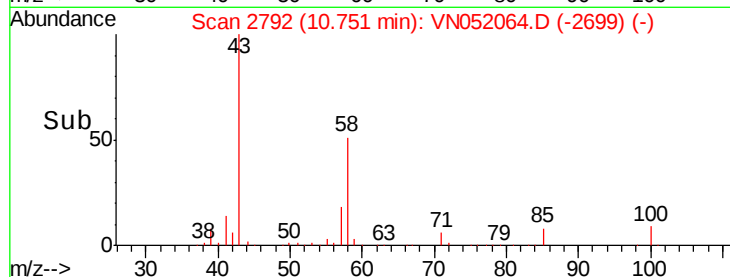
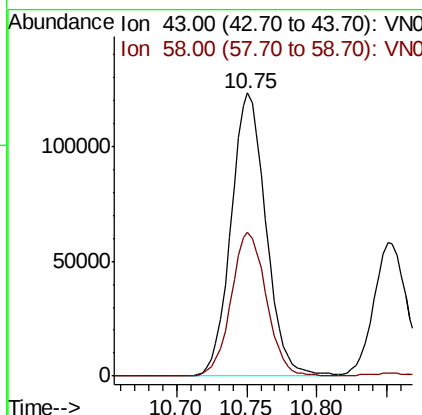
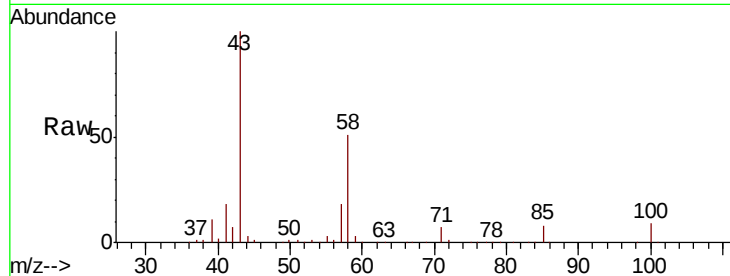




#59
2-Hexanone
Concen: 92.539 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

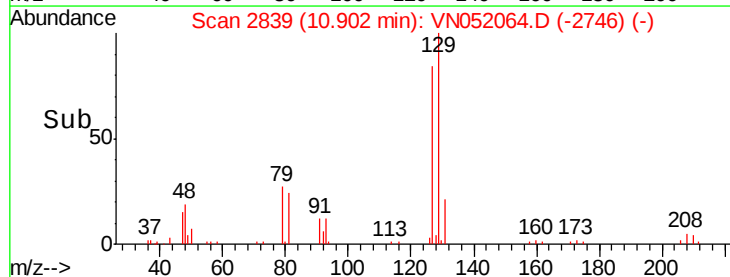
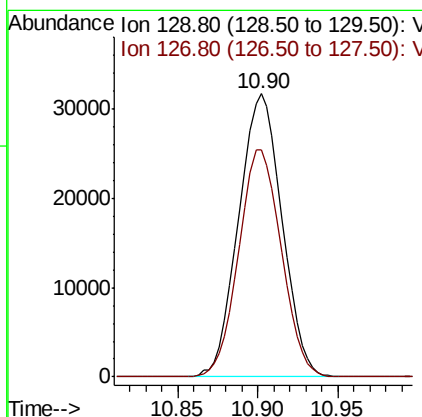
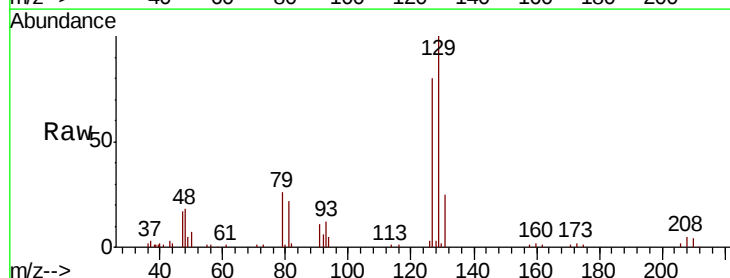
Instrument :
MSVOA_N
ClientSampled :
VN1030WBSD01

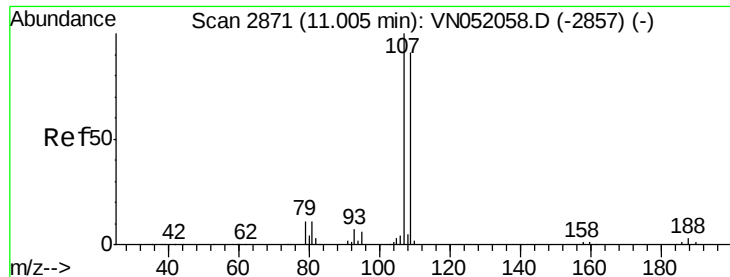
Tgt Ion: 43 Resp: 212413
Ion Ratio Lower Upper
43 100
58 51.6 25.2 75.6



#60
Dibromochloromethane
Concen: 19.250 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Tgt Ion: 129 Resp: 58667
Ion Ratio Lower Upper
129 100
127 78.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.638 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

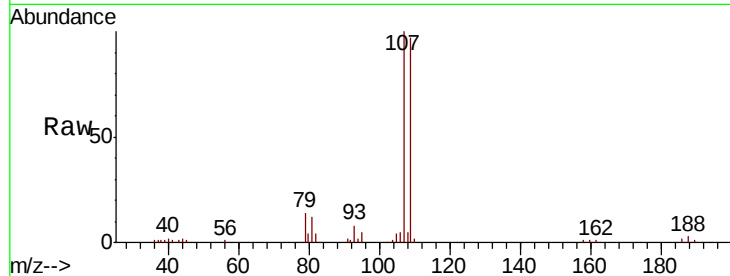
VN1030WBSD01

Tgt Ion: 107 Resp: 60436

Ion Ratio Lower Upper

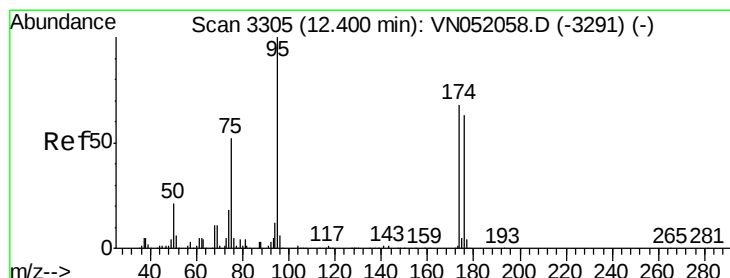
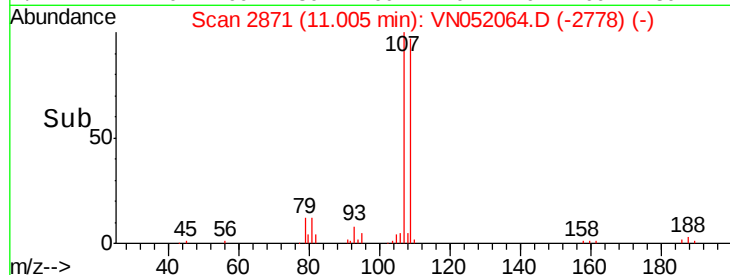
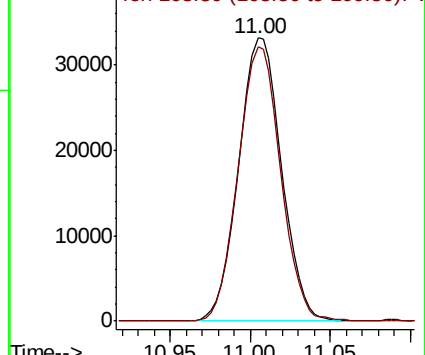
107 100

109 96.0 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.638 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

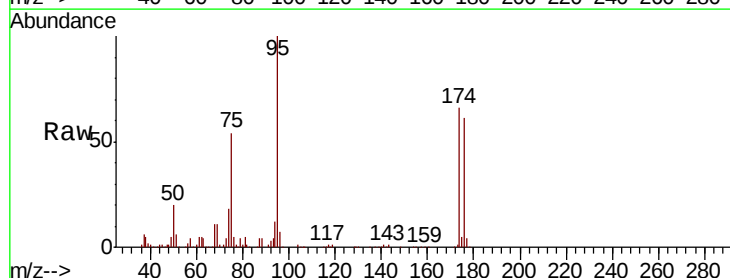
Tgt Ion: 95 Resp: 213367

Ion Ratio Lower Upper

95 100

174 65.8 0.0 131.8

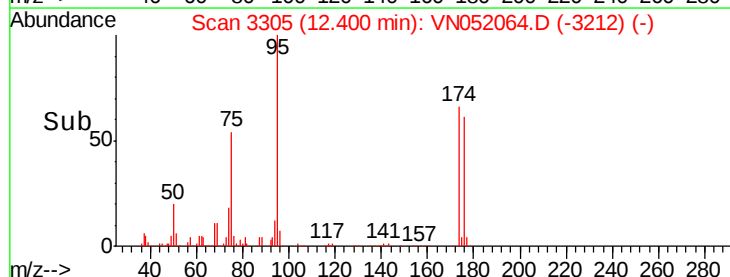
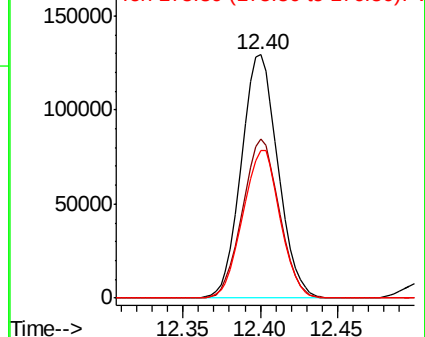
176 61.7 0.0 126.0

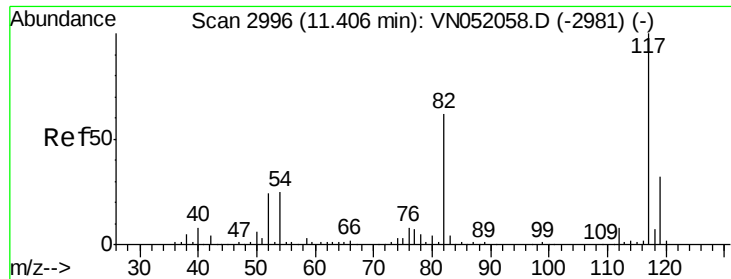


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

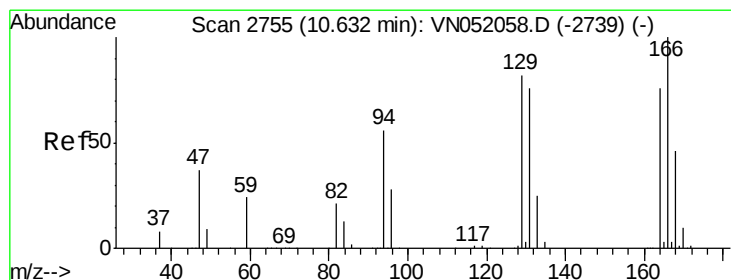
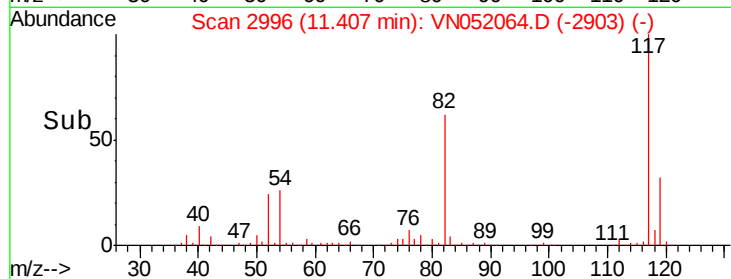
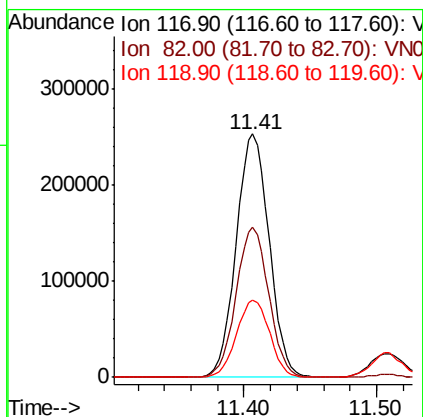
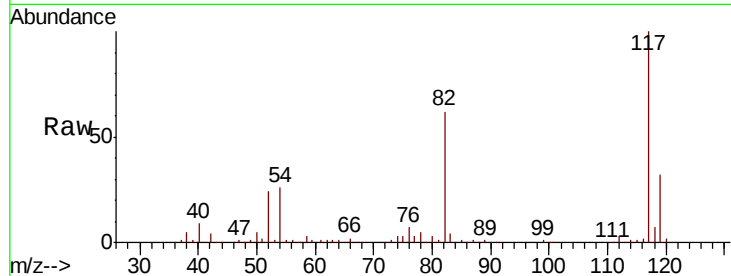




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

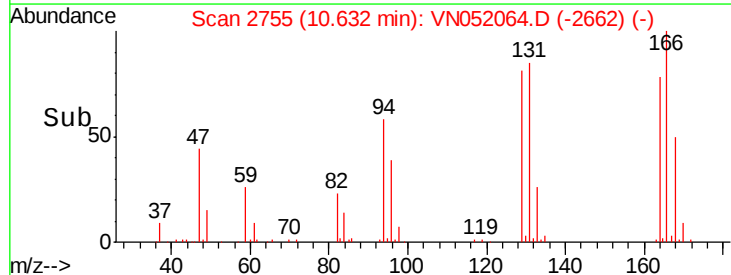
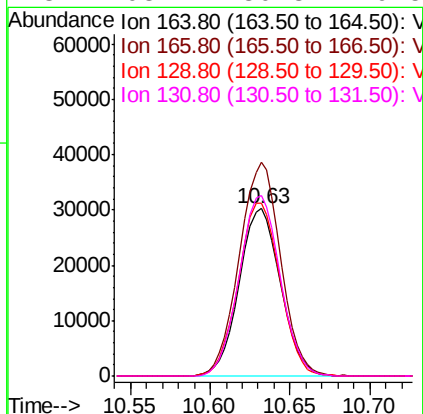
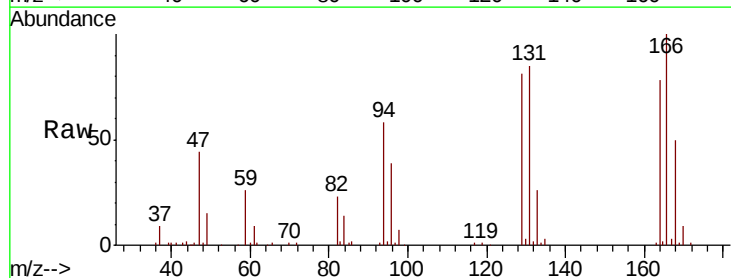
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

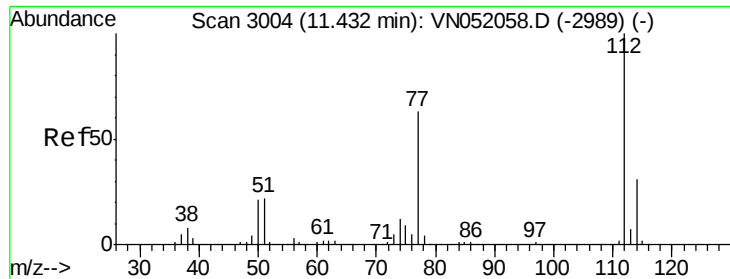
Tgt Ion:117 Resp: 437270
Ion Ratio Lower Upper
117 100
82 61.5 49.9 74.9
119 31.6 25.7 38.5



#64
Tetrachloroethene
Concen: 20.115 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Tgt Ion:164 Resp: 53286
Ion Ratio Lower Upper
164 100
166 127.5 105.4 158.0
129 103.6 86.1 129.1
131 108.1 80.3 120.5

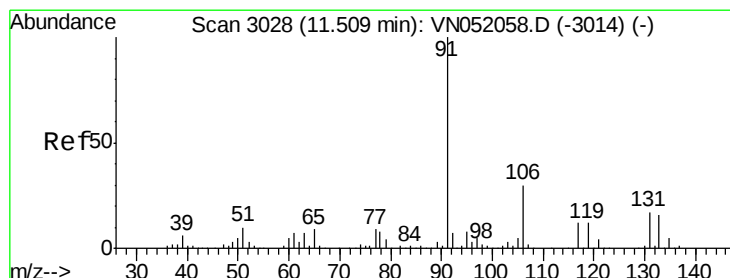
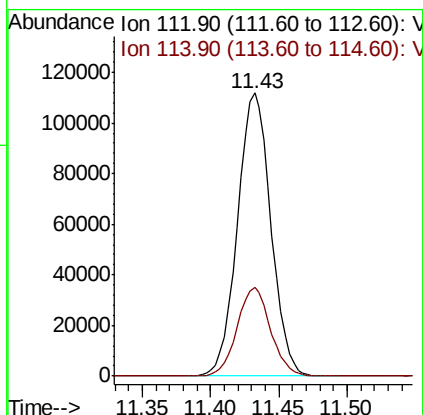
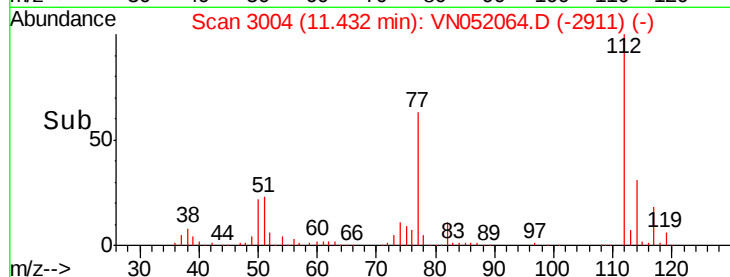
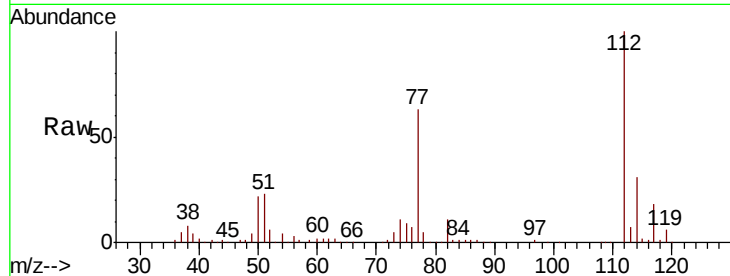




#65
Chlorobenzene
Concen: 20.615 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

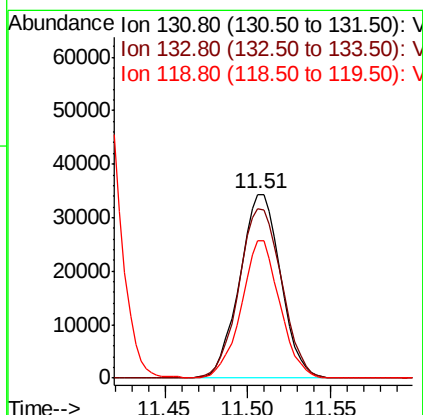
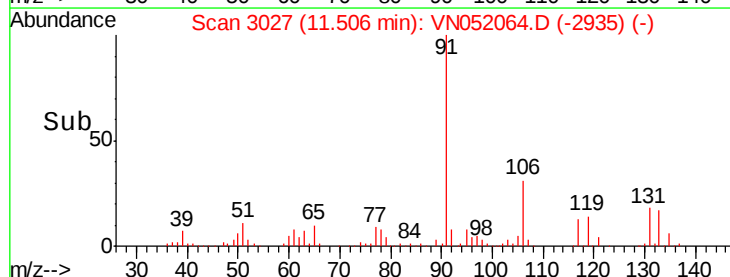
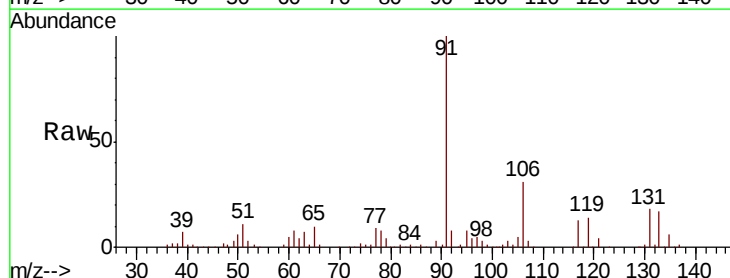
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

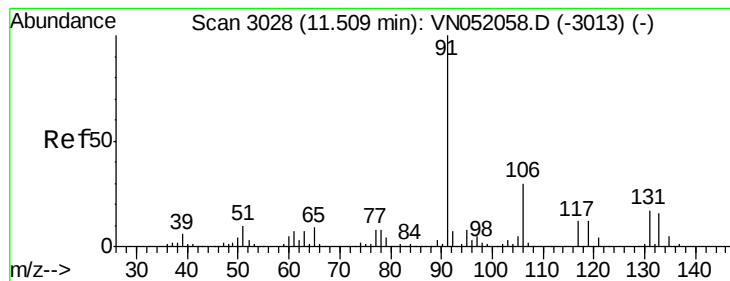
Tgt Ion:112 Resp: 189864
Ion Ratio Lower Upper
112 100
114 31.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.440 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Tgt Ion:131 Resp: 59110
Ion Ratio Lower Upper
131 100
133 96.4 47.6 142.9
119 70.3 34.4 103.2





#67

Ethyl Benzene

Concen: 20.490 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

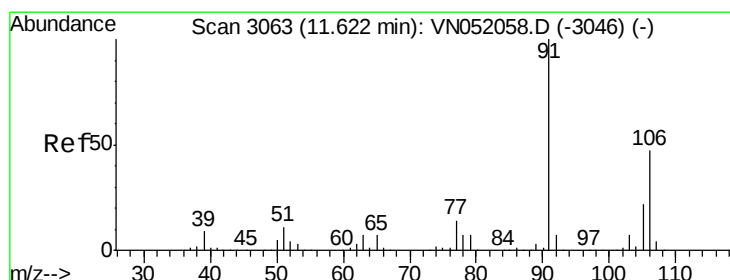
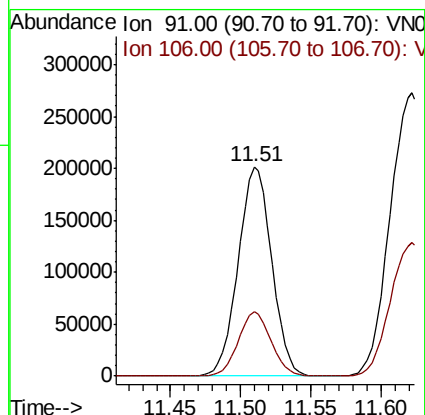
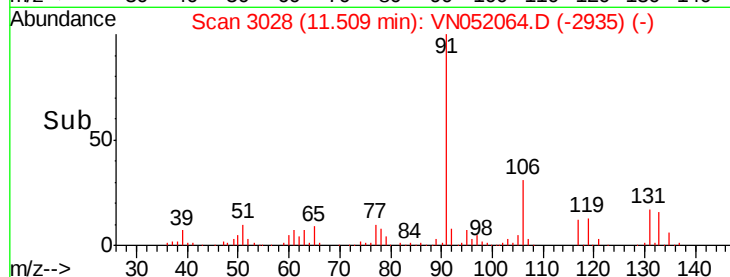
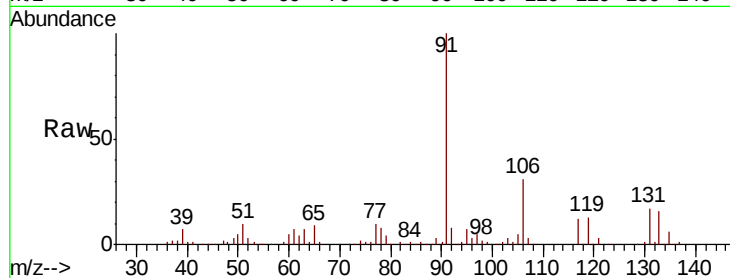
VN1030WBSD01

Tgt Ion: 91 Resp: 336520

Ion Ratio Lower Upper

91 100

106 30.6 24.1 36.1



#68

m/p-Xylenes

Concen: 42.292 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052064.D

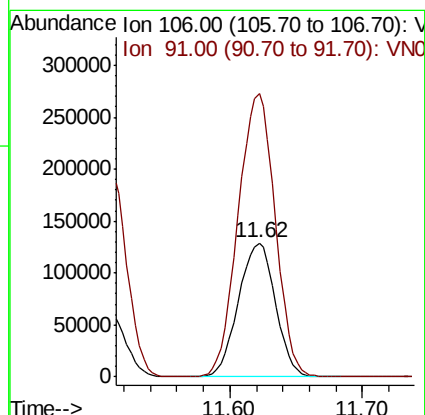
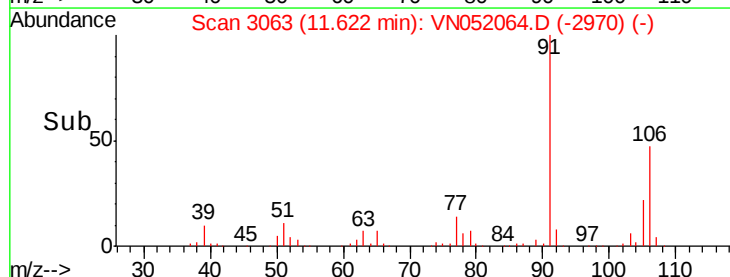
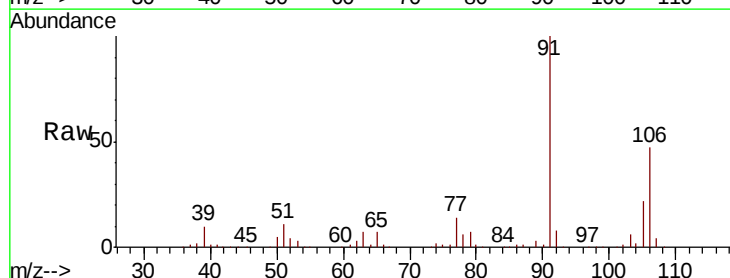
Acq: 30 Oct 2018 15:10

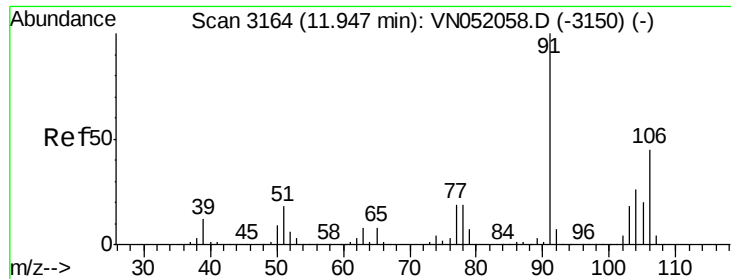
Tgt Ion: 106 Resp: 248620

Ion Ratio Lower Upper

106 100

91 212.9 168.7 253.1

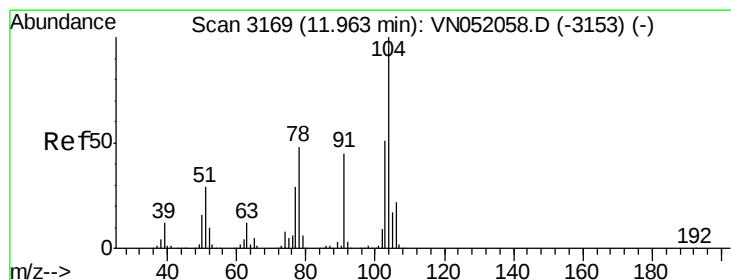
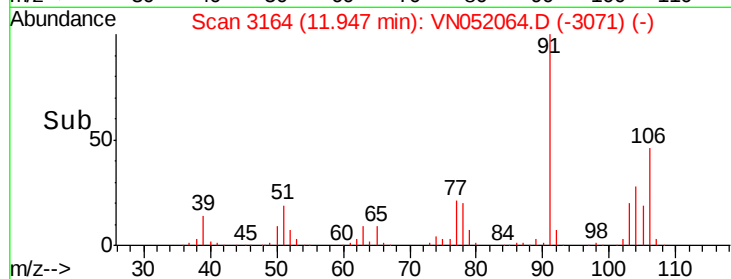
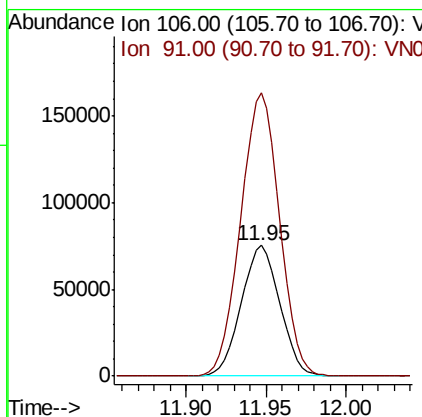
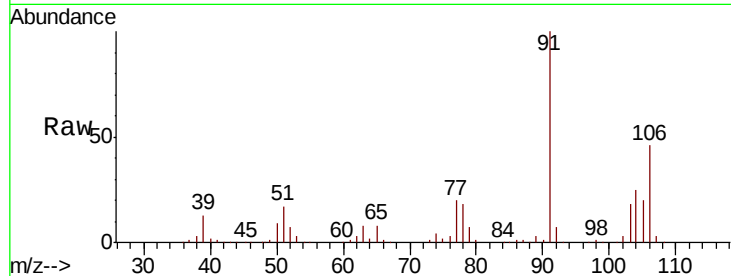




#69
o-Xylene
Concen: 21.367 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

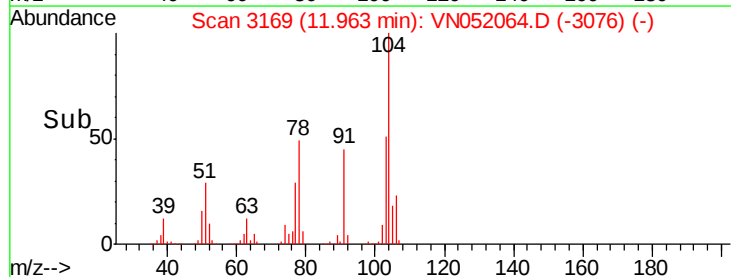
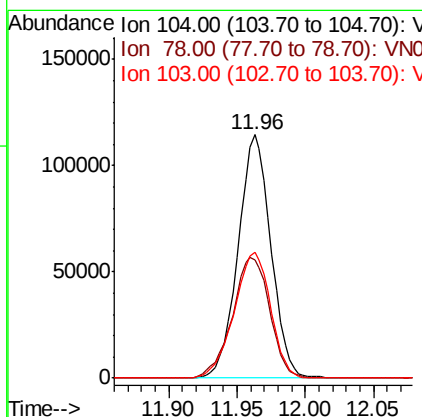
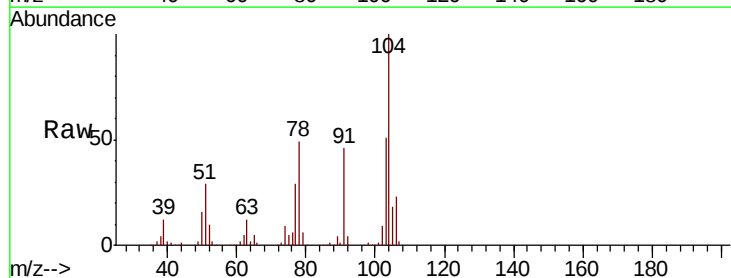
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

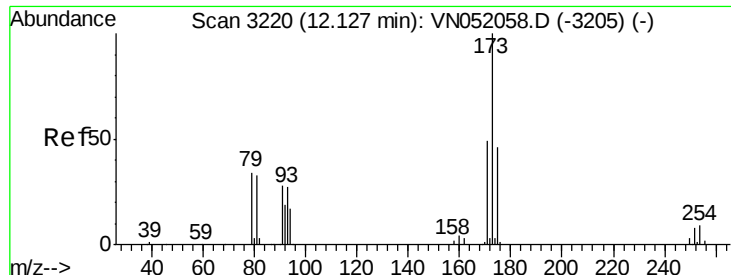
Tgt Ion:106 Resp: 124291
Ion Ratio Lower Upper
106 100
91 218.0 109.6 328.6



#70
Styrene
Concen: 20.295 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Tgt Ion:104 Resp: 191020
Ion Ratio Lower Upper
104 100
78 56.5 43.0 64.6
103 57.4 45.1 67.7

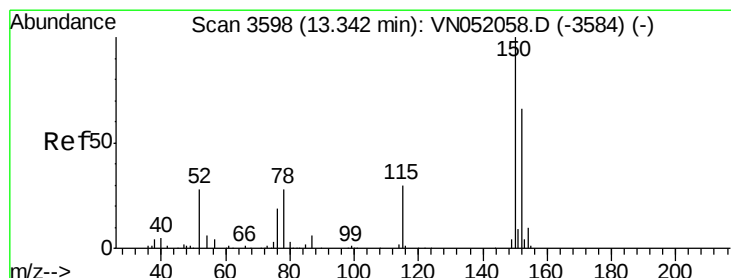
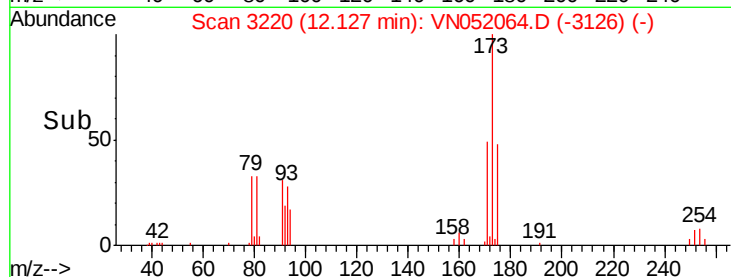
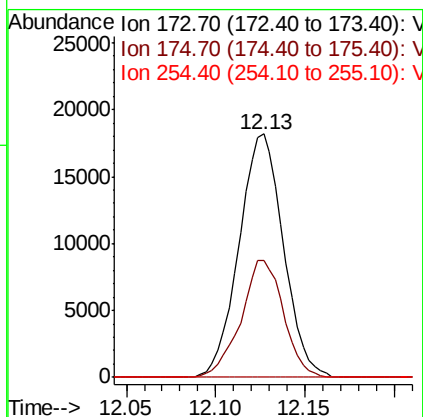
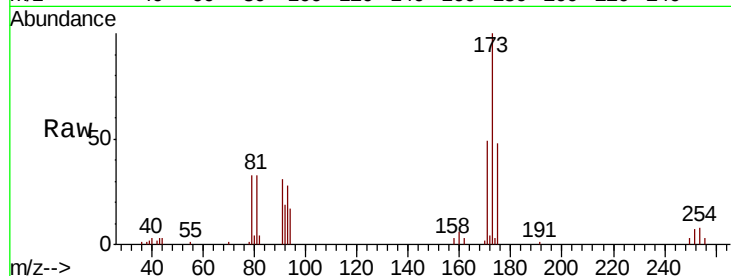




#71
Bromoform
Concen: 18.363 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

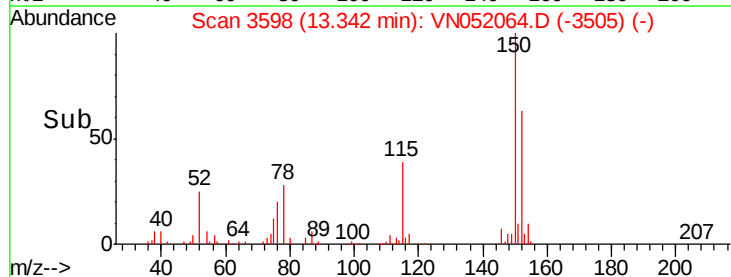
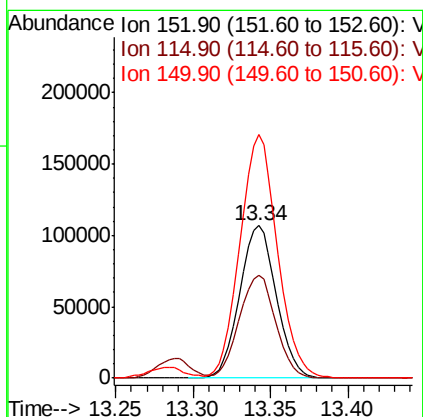
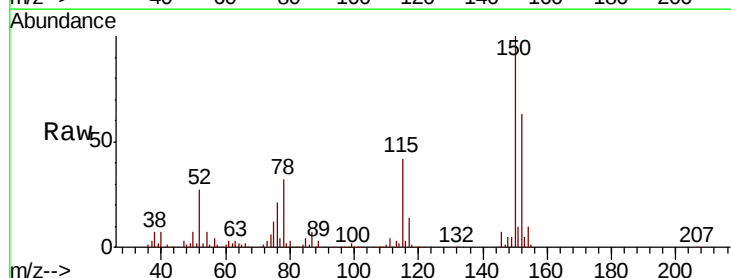
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

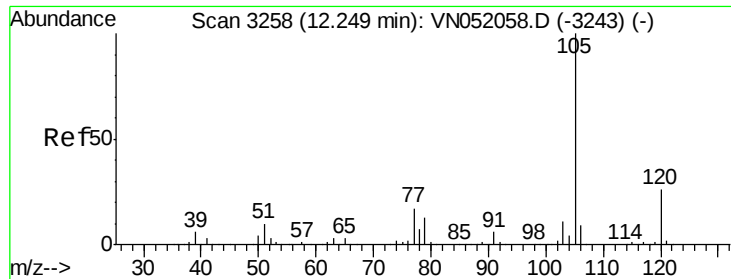
Tgt Ion:173 Resp: 31448
Ion Ratio Lower Upper
173 100
175 46.1 23.9 71.7
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Tgt Ion:152 Resp: 176081
Ion Ratio Lower Upper
152 100
115 66.9 31.6 95.0
150 162.9 0.0 345.0





#73

Isopropylbenzene

Concen: 21.464 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

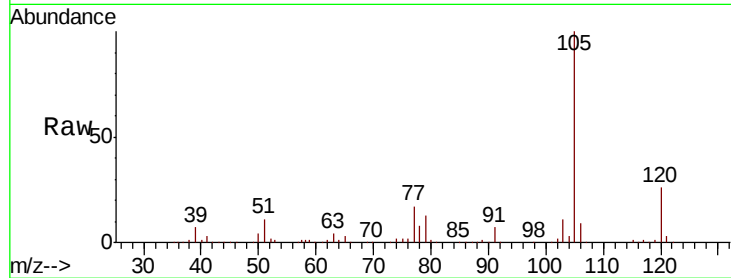
VN1030WBSD01

Tgt Ion: 105 Resp: 323196

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

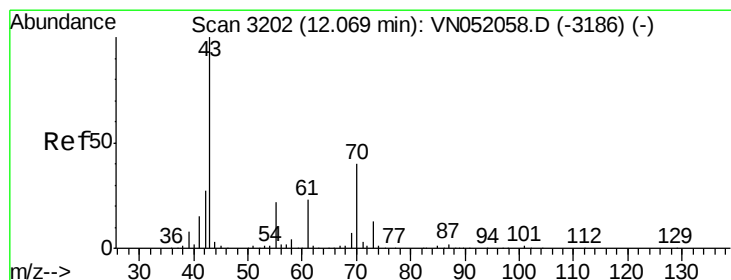
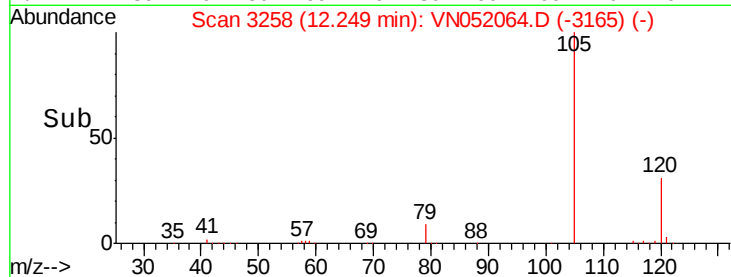
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 20.119 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Tgt Ion: 43 Resp: 105721

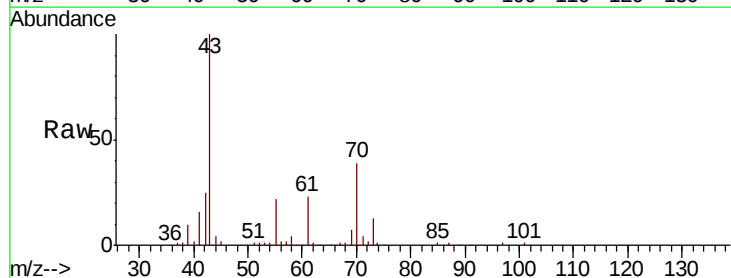
Ion Ratio Lower Upper

43 100

70 39.3 31.9 47.9

55 24.0 18.4 27.6

61 23.5 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

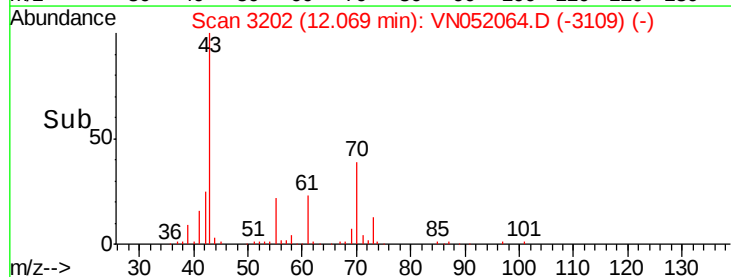
40000

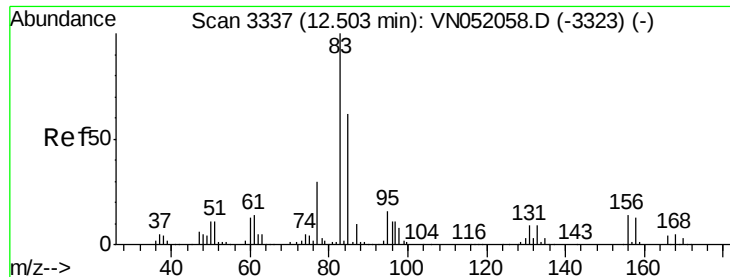
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.206 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

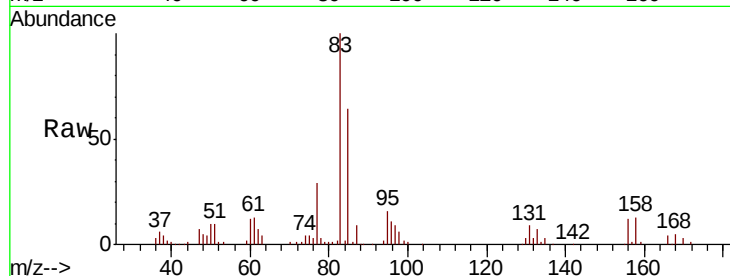
Tgt Ion: 83 Resp: 76566

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.4

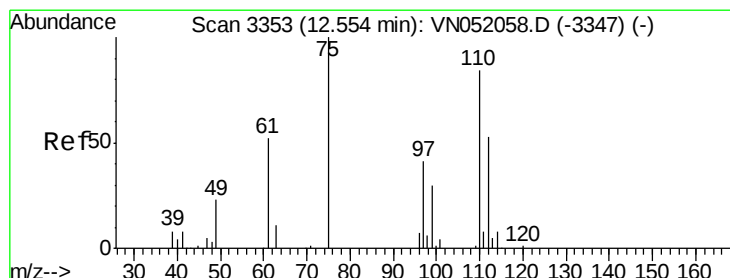
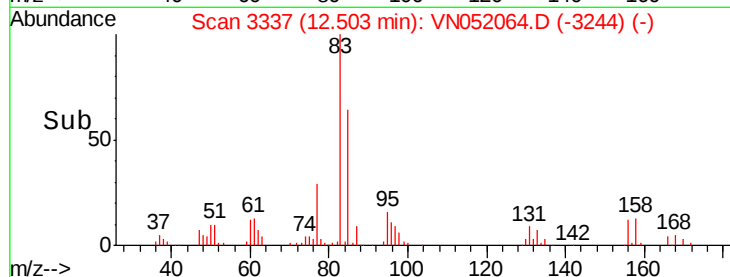
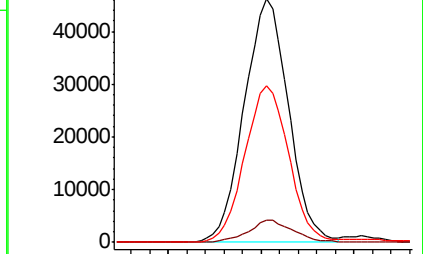
85 64.2 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VN052058.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052058.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052058.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 30.172 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN052064.D

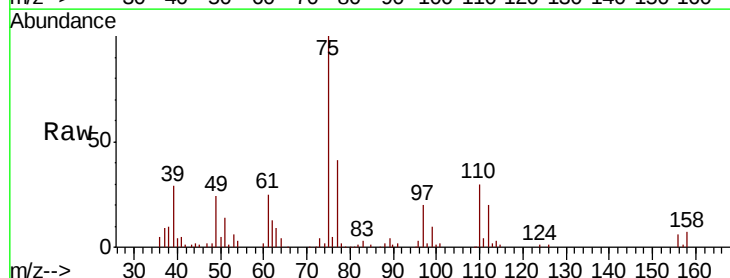
Acq: 30 Oct 2018 15:10

Tgt Ion: 75 Resp: 97252

Ion Ratio Lower Upper

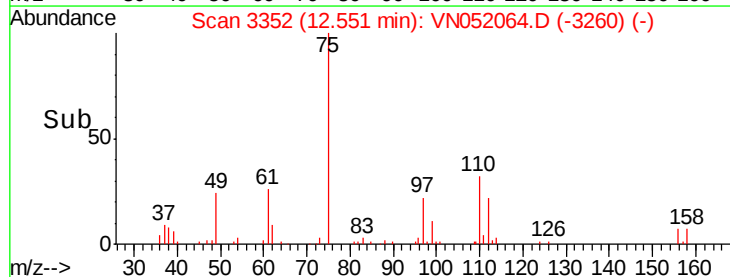
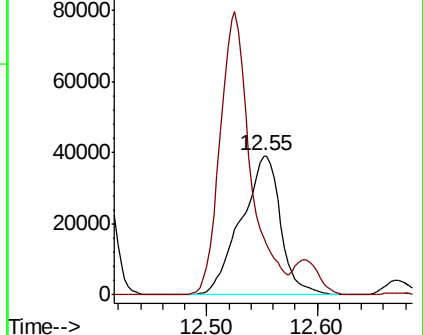
75 100

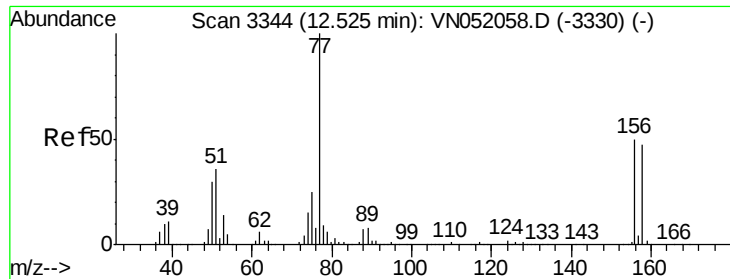
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN052058.D (-3347) (-)





#77

Bromobenzene

Concen: 21.060 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampled :

VN1030WBSD01

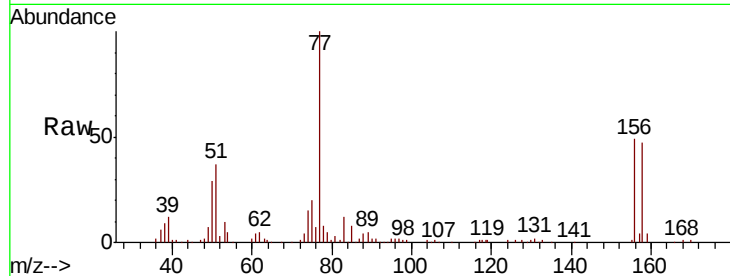
Tgt Ion:156 Resp: 66348

Ion Ratio Lower Upper

156 100

77 231.2 119.6 358.6

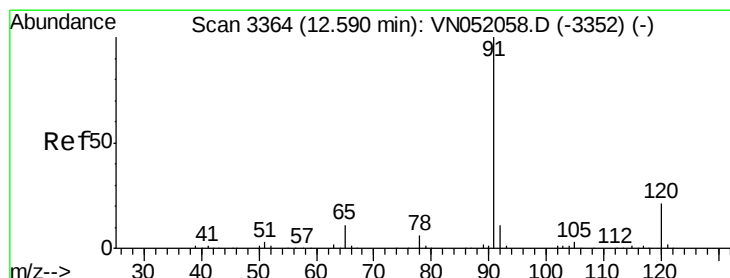
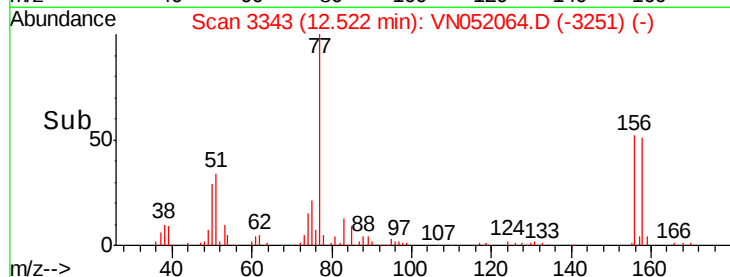
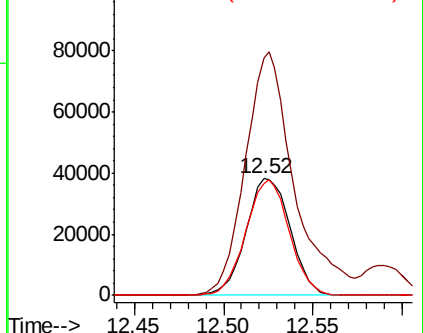
158 96.8 47.8 143.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.774 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052064.D

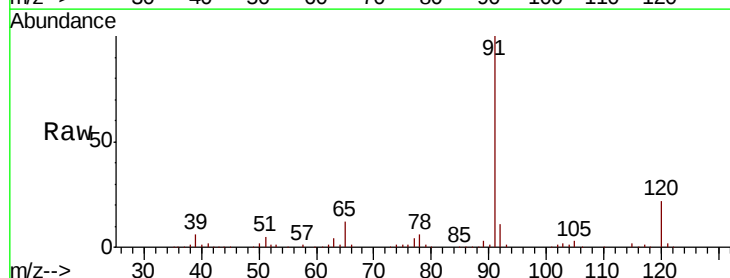
Acq: 30 Oct 2018 15:10

Tgt Ion: 91 Resp: 379034

Ion Ratio Lower Upper

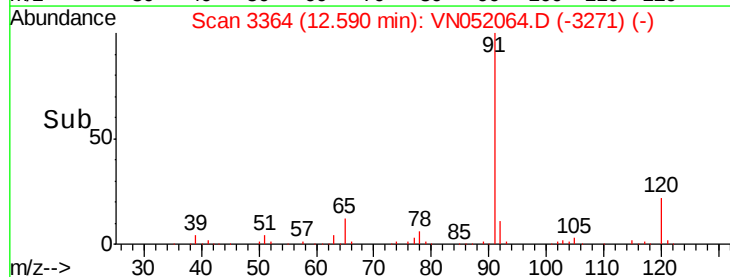
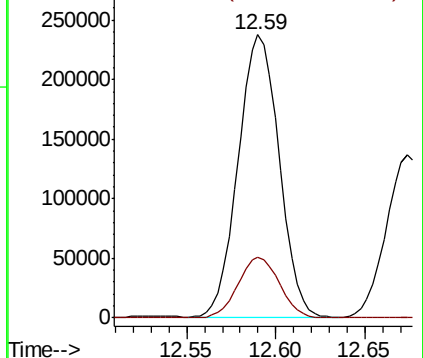
91 100

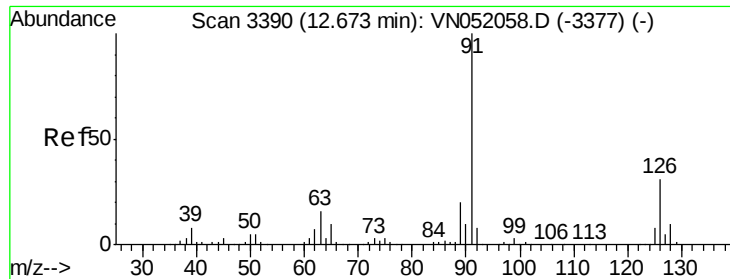
120 21.7 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

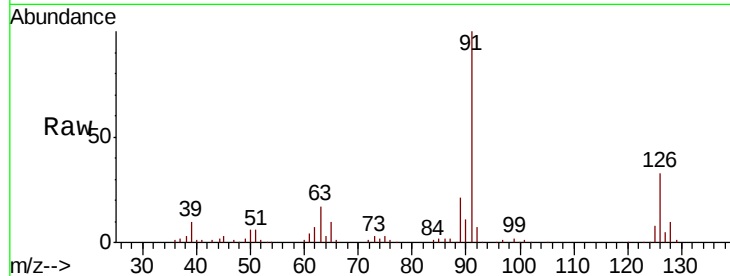




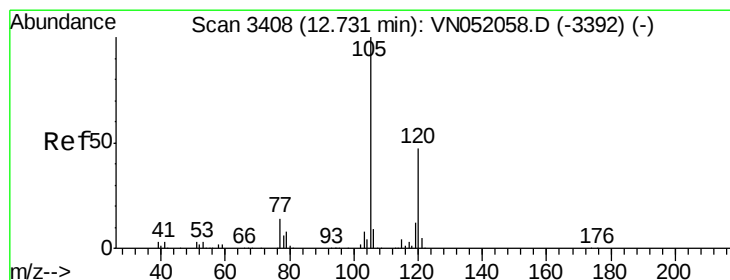
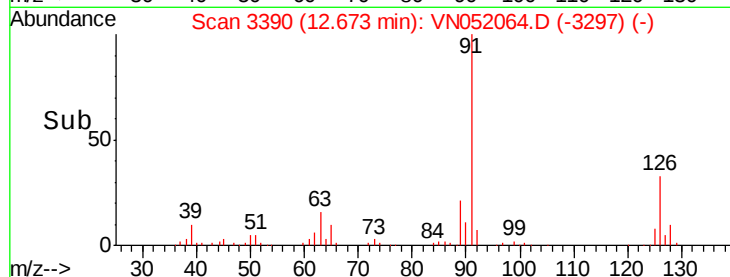
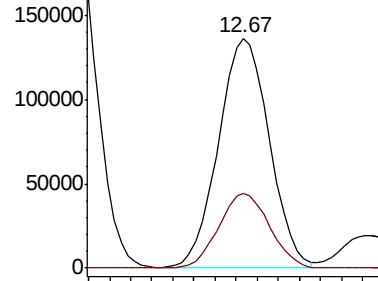
#79
 2-Chlorotoluene
 Concen: 21.326 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tgt Ion: 91 Resp: 226831
 Ion Ratio Lower Upper
 91 100
 126 32.7 15.9 47.6

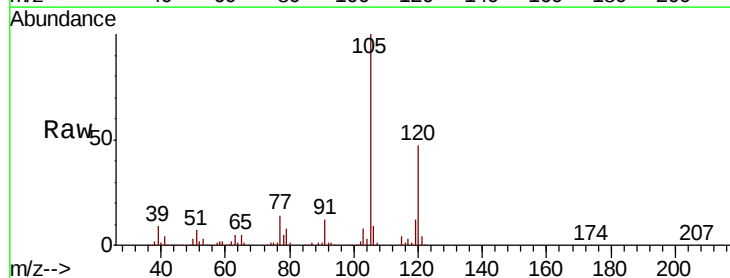


Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3377) (-)
 Ion 125.90 (125.60 to 126.60): VN052058.D (-3377) (-)

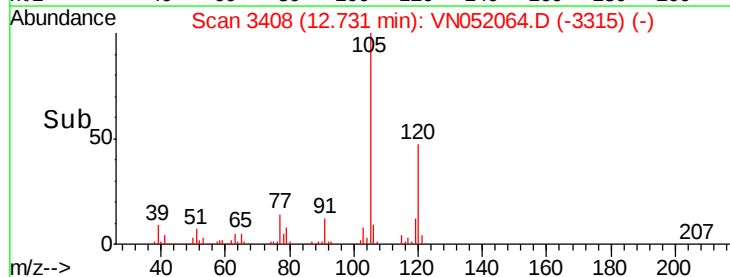
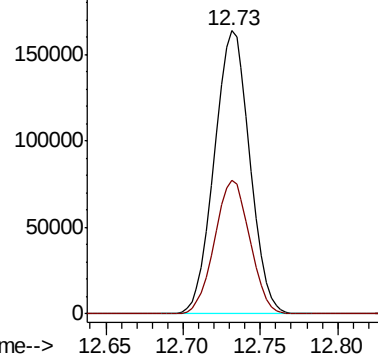


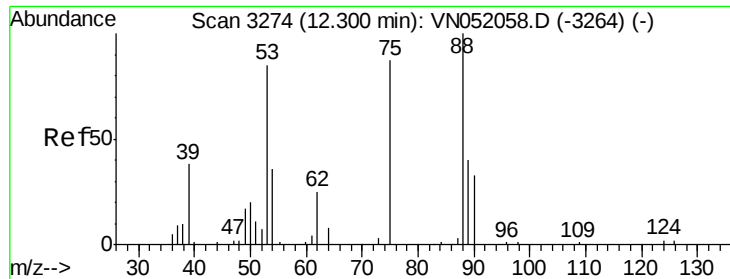
#80
 1,3,5-Trimethylbenzene
 Concen: 21.313 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Tgt Ion: 105 Resp: 261150
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN052058.D (-3392) (-)
 Ion 120.00 (119.70 to 120.70): VN052058.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.242 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

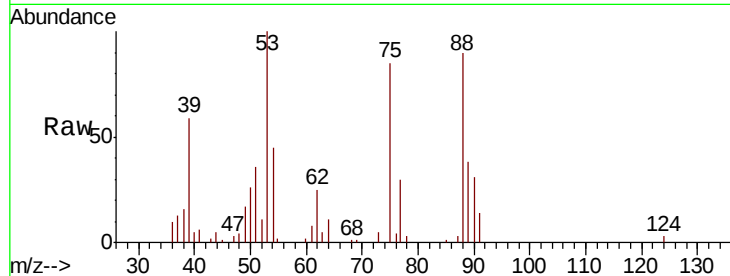
Tgt Ion: 75 Resp: 18686

Ion Ratio Lower Upper

75 100

53 111.3 81.8 122.6

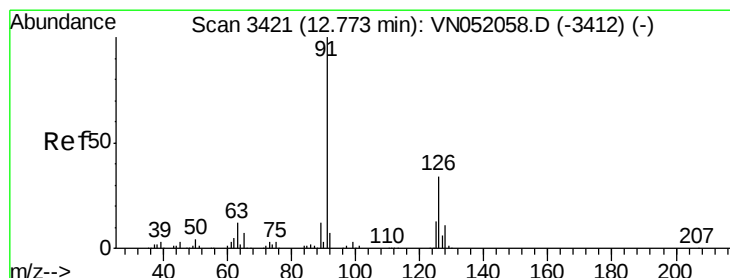
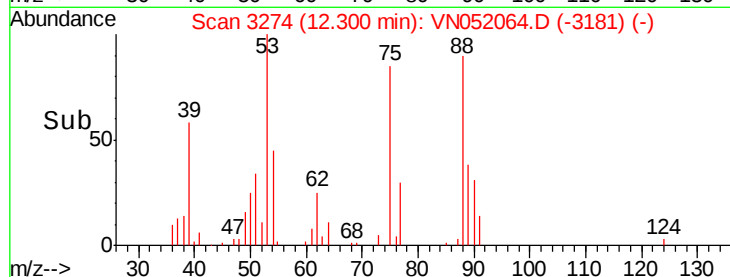
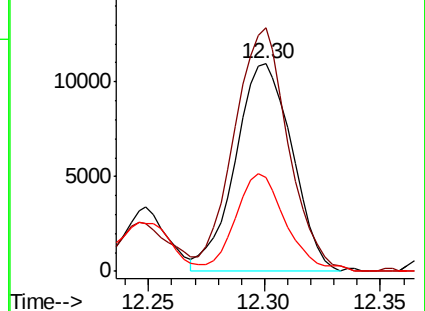
89 41.7 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052058.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052058.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 21.569 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052064.D

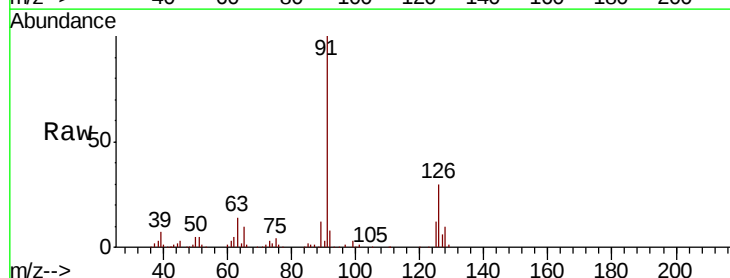
Acq: 30 Oct 2018 15:10

Tgt Ion: 91 Resp: 233939

Ion Ratio Lower Upper

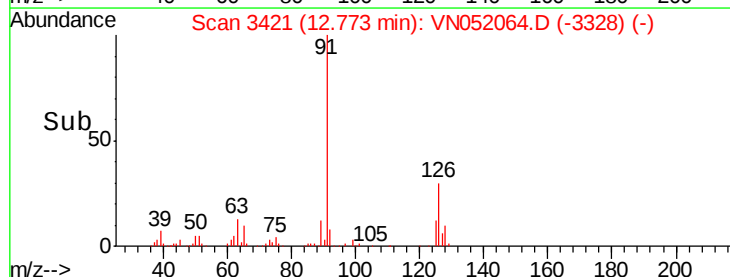
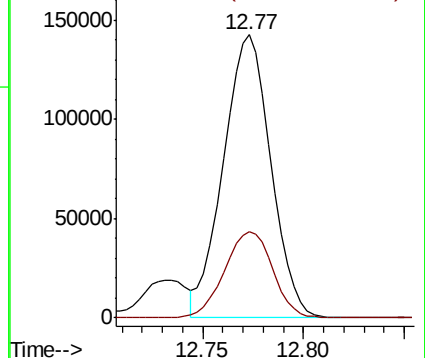
91 100

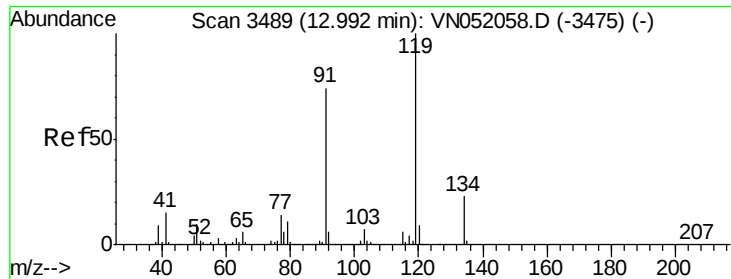
126 31.1 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN052058.D (-3412) (-)

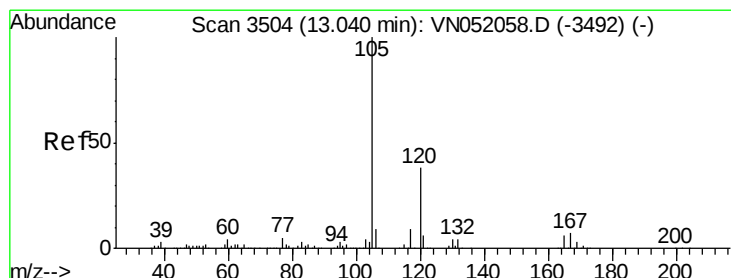
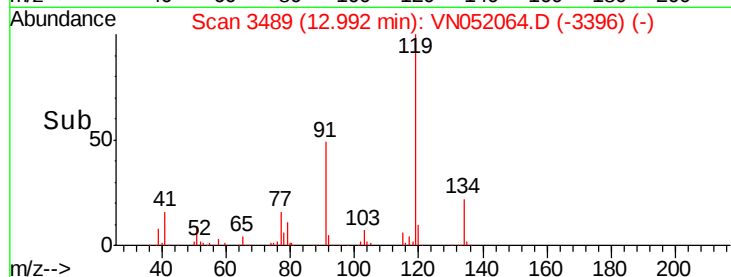
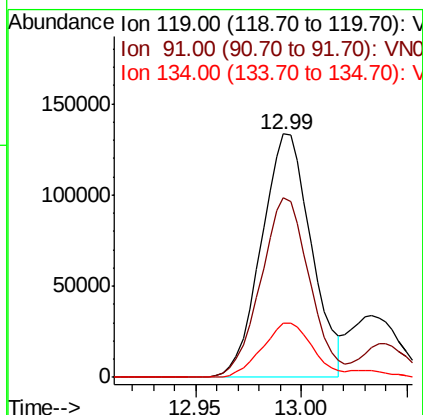
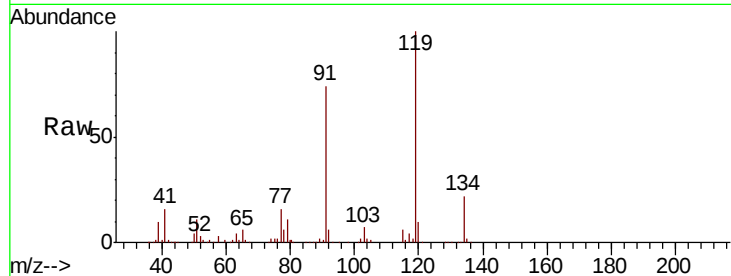




#83
 tert-Butylbenzene
 Concen: 21.327 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

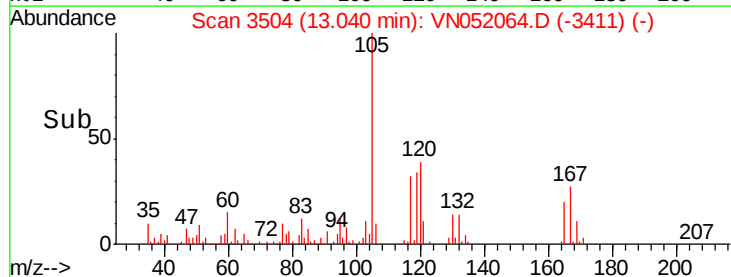
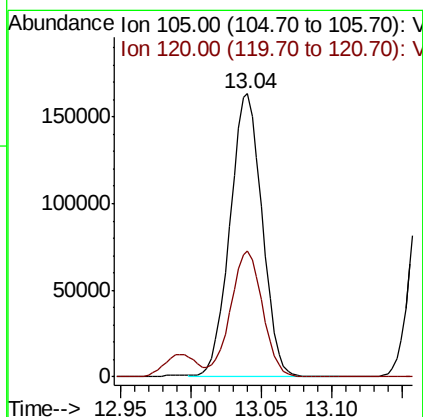
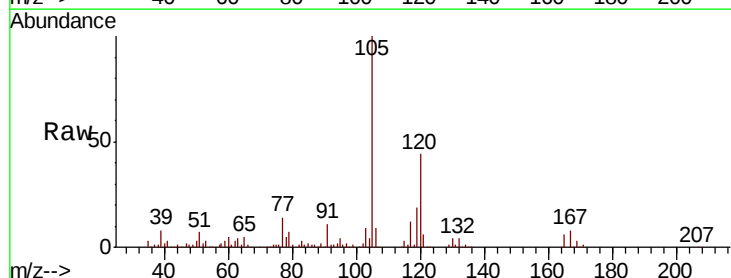
Instrument :
 MSVOA_N
 ClientSampled :
 VN1030WBSD01

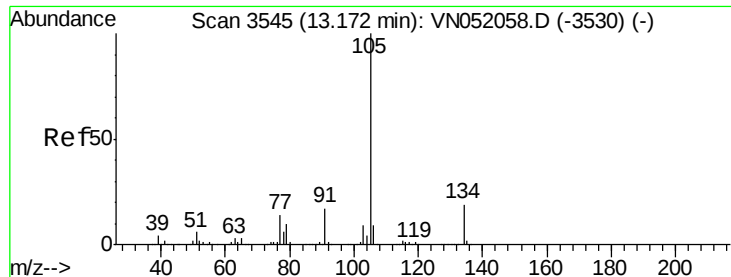
Tgt Ion:119 Resp: 219523
 Ion Ratio Lower Upper
 119 100
 91 72.2 36.6 109.9
 134 22.6 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.435 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Tgt Ion:105 Resp: 261432
 Ion Ratio Lower Upper
 105 100
 120 44.1 21.9 65.5

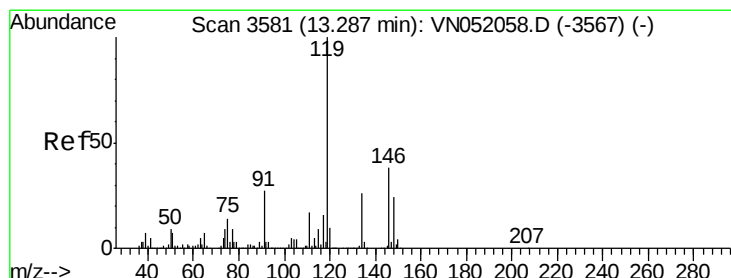
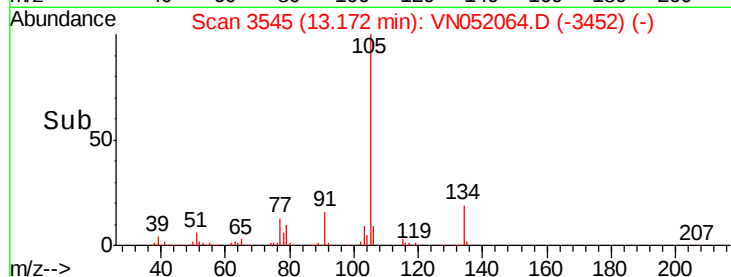
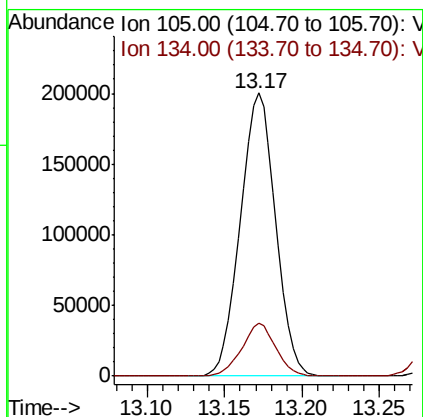
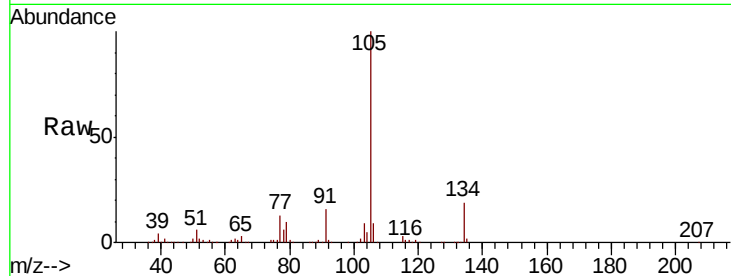




#85
 sec-Butylbenzene
 Concen: 21.556 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

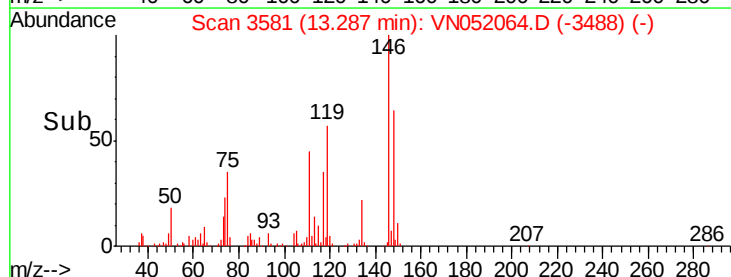
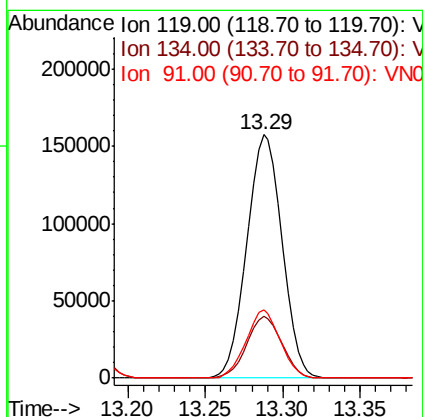
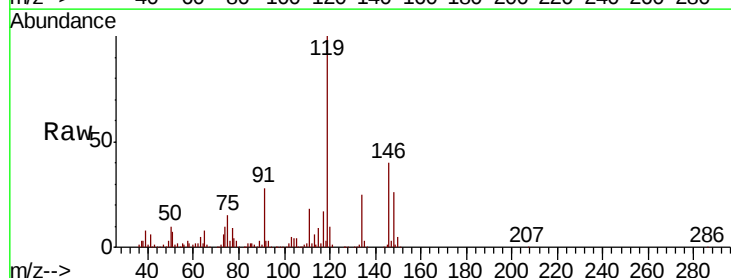
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

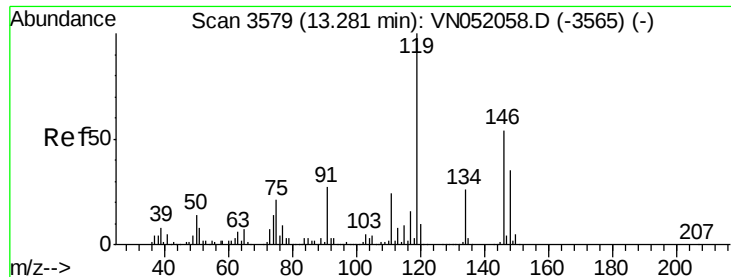
Tgt Ion:105 Resp: 316958
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 20.872 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Tgt Ion:119 Resp: 249935
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.3
 91 27.2 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 20.515 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

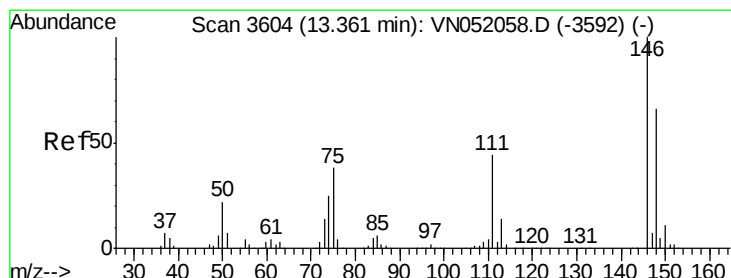
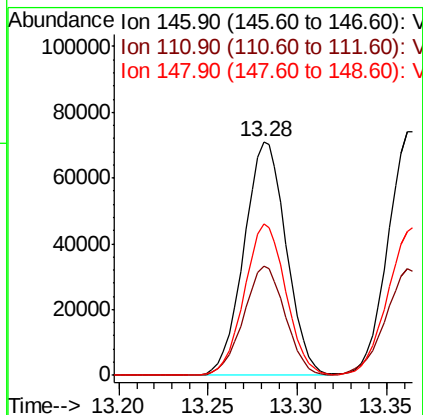
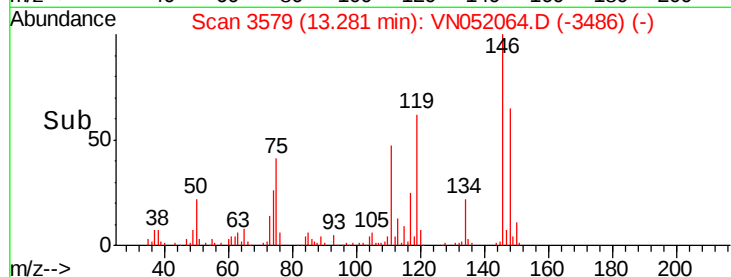
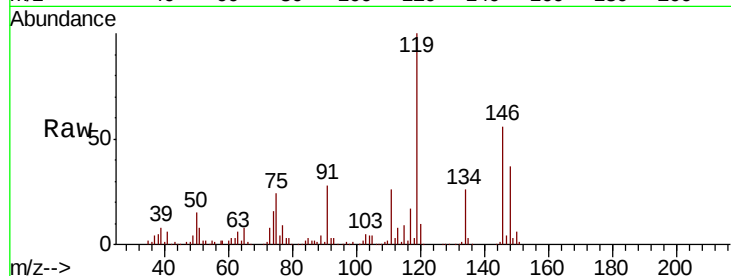
Tgt Ion:146 Resp: 117867

Ion Ratio Lower Upper

146 100

111 45.9 22.9 68.8

148 63.6 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 20.952 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

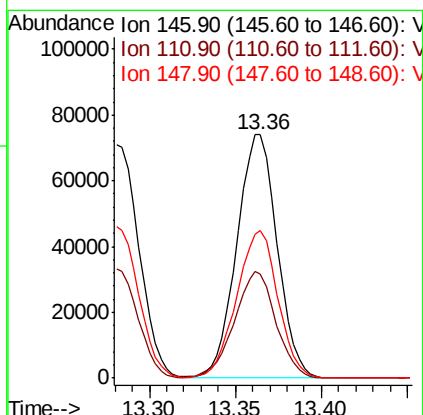
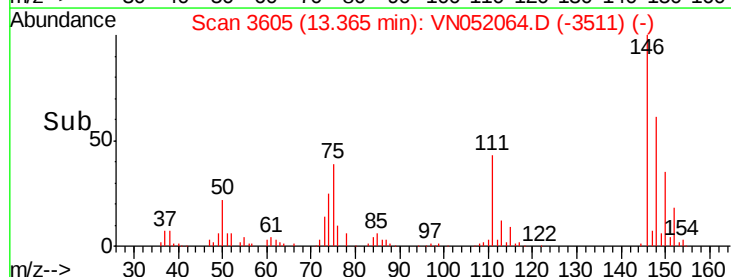
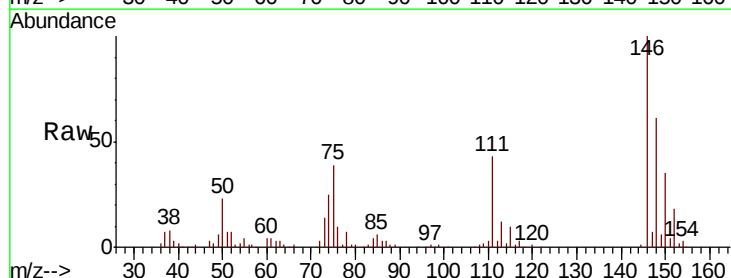
Tgt Ion:146 Resp: 120649

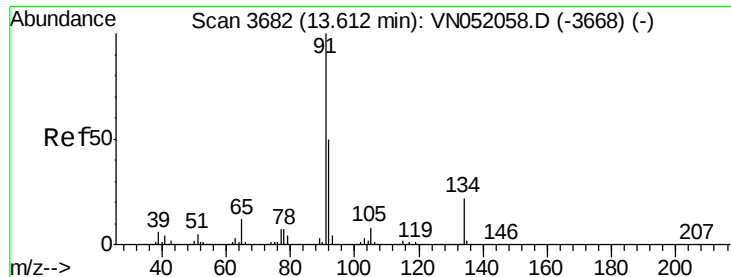
Ion Ratio Lower Upper

146 100

111 45.0 21.9 65.8

148 62.0 32.6 98.0





#89

n-Butylbenzene

Concen: 20.680 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052064.D

Acq: 30 Oct 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

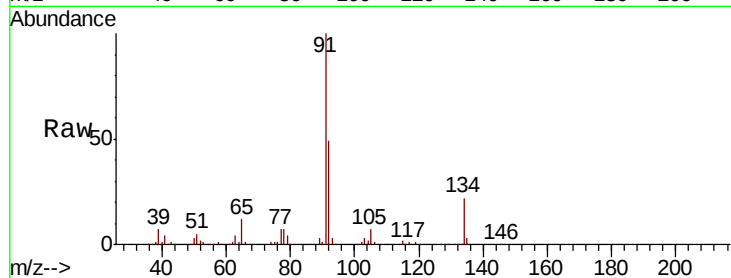
Tgt Ion: 91 Resp: 236168

Ion Ratio Lower Upper

91 100

92 50.8 25.3 75.8

134 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052058.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052058.D (-3668) (-)

13.61

150000

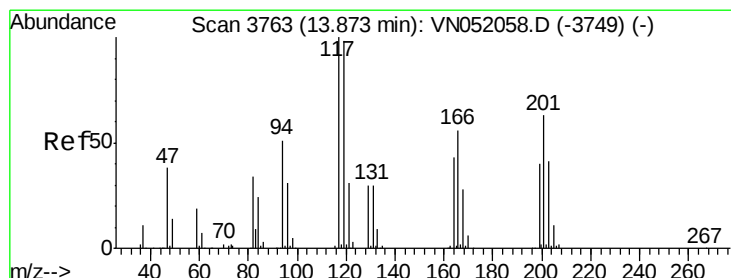
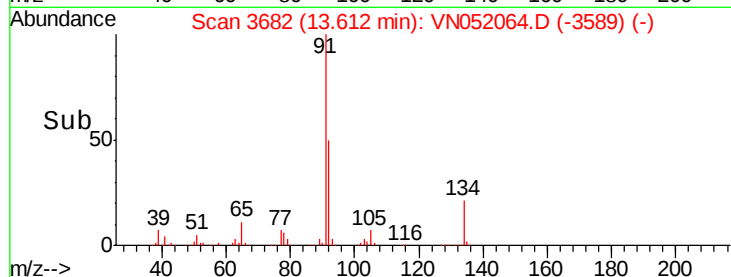
100000

50000

0

13.55 13.60 13.65 13.70

Time-->



#90

Hexachloroethane

Concen: 20.364 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052064.D

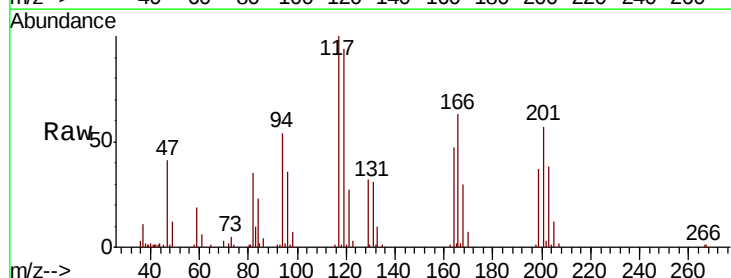
Acq: 30 Oct 2018 15:10

Tgt Ion: 117 Resp: 41791

Ion Ratio Lower Upper

117 100

201 63.0 31.1 93.5



Abundance Ion 116.80 (116.50 to 117.50): VN052058.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052058.D (-3749) (-)

13.87

30000

25000

20000

15000

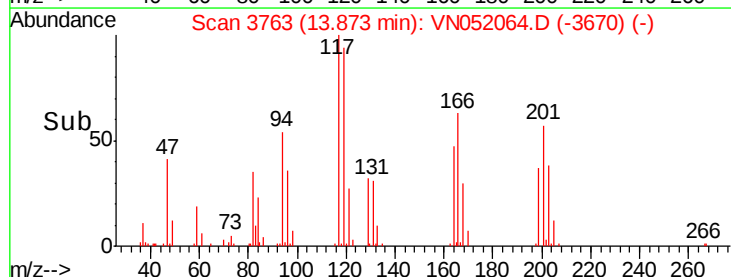
10000

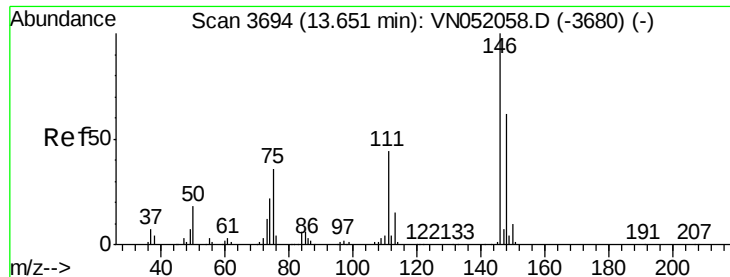
5000

0

13.80 13.85 13.90

Time-->

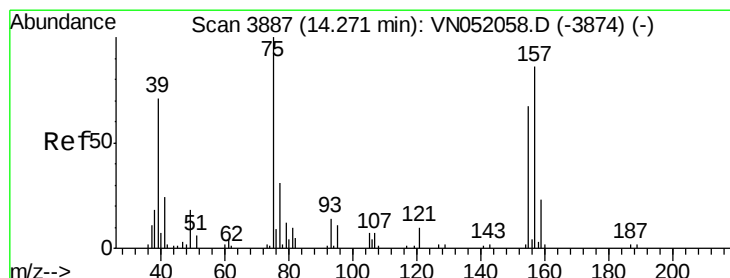
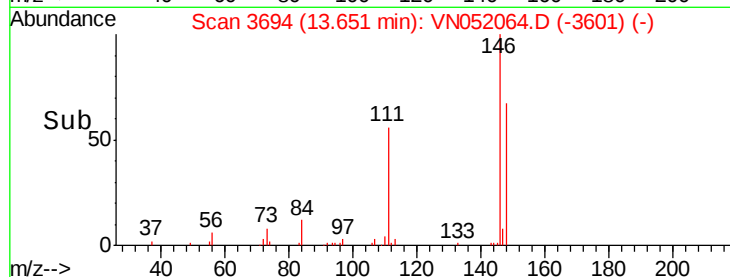
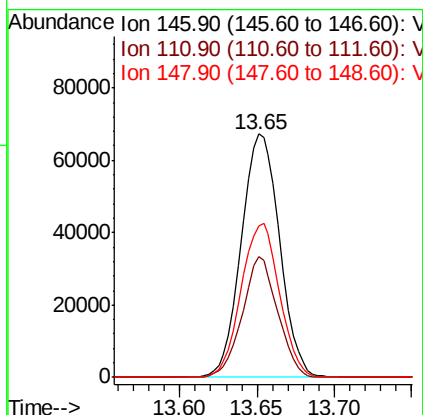
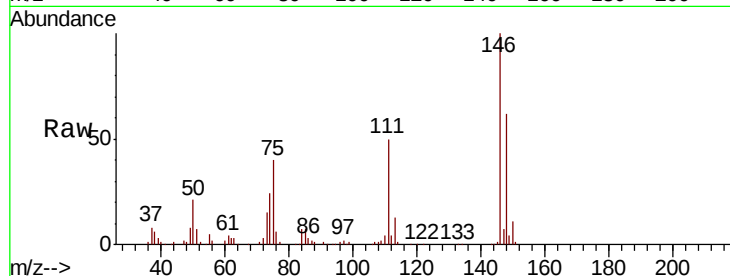




#91
 1,2-Dichlorobenzene
 Concen: 21.472 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

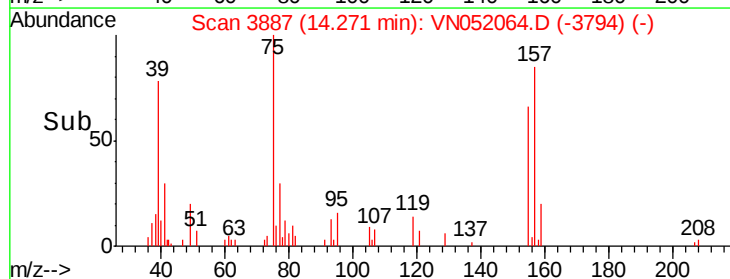
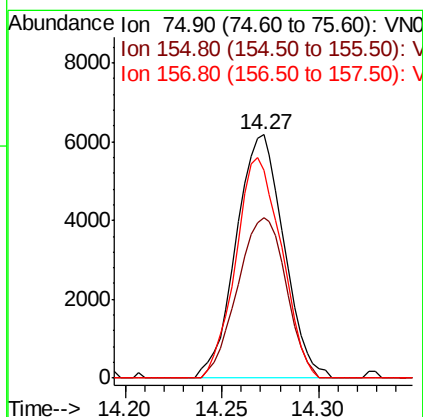
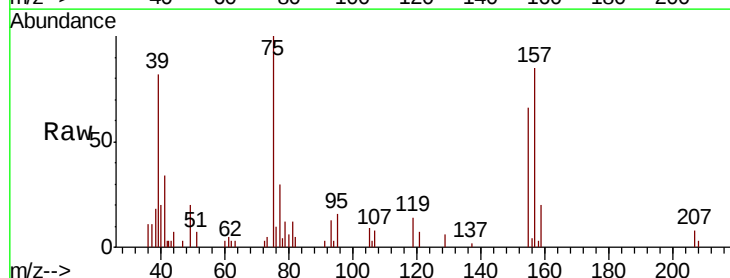
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

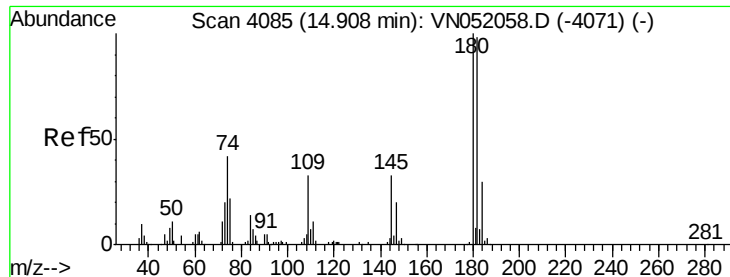
Tgt Ion: 146 Resp: 115987
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.5 67.5
 148 63.3 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.907 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Tgt Ion: 75 Resp: 10597
 Ion Ratio Lower Upper
 75 100
 155 67.2 34.0 102.0
 157 86.5 42.1 126.4

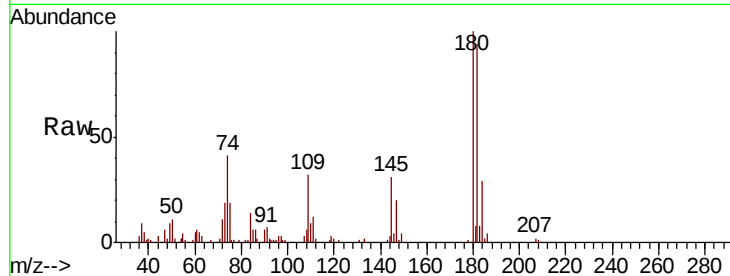




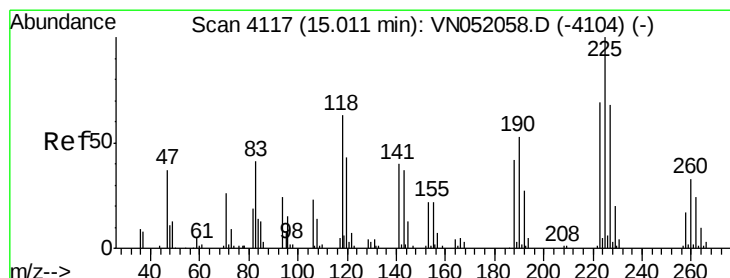
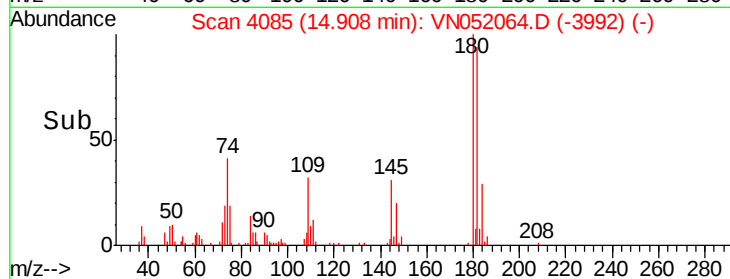
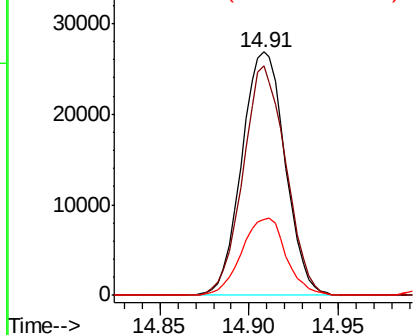
#93
 1,2,4-Trichlorobenzene
 Concen: 22.669 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN1030WBSD01

Tgt Ion:180 Resp: 45598
 Ion Ratio Lower Upper
 180 100
 182 93.0 49.1 147.4
 145 32.5 16.4 49.2

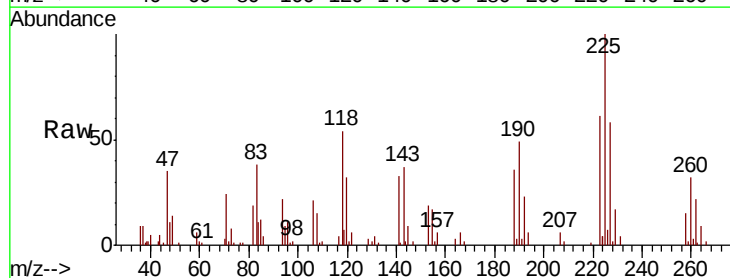


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

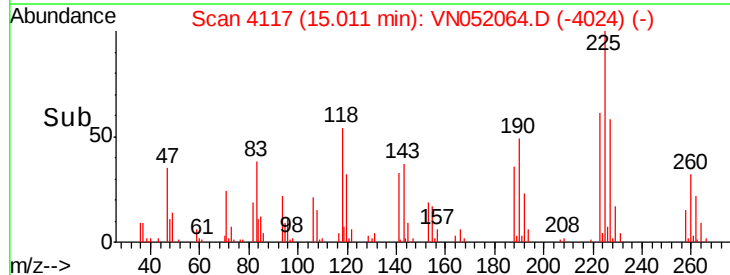
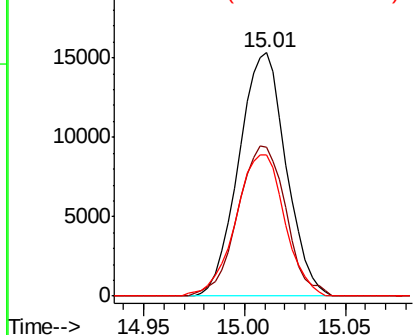


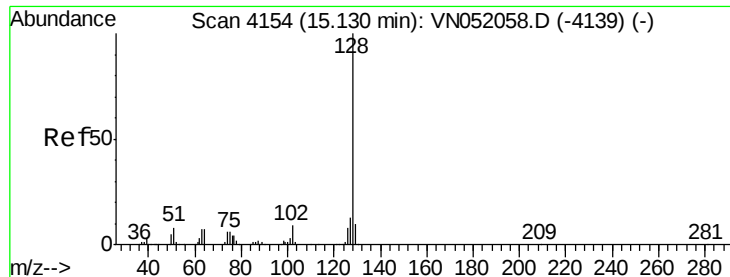
#94
 Hexachlorobutadiene
 Concen: 22.366 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052064.D
 Acq: 30 Oct 2018 15:10

Tgt Ion:225 Resp: 25180
 Ion Ratio Lower Upper
 225 100
 223 62.9 33.1 99.3
 227 60.2 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

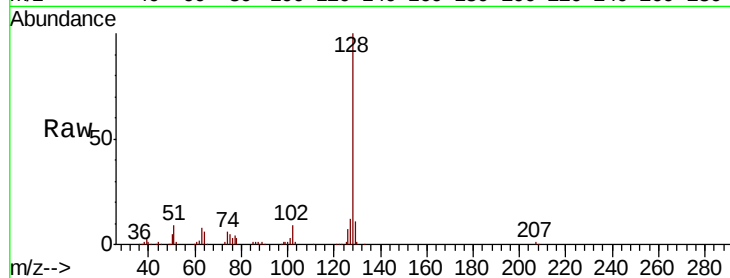




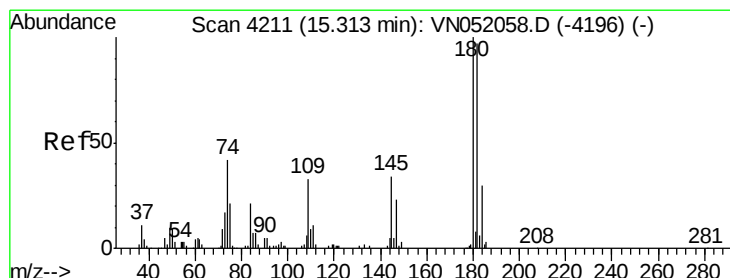
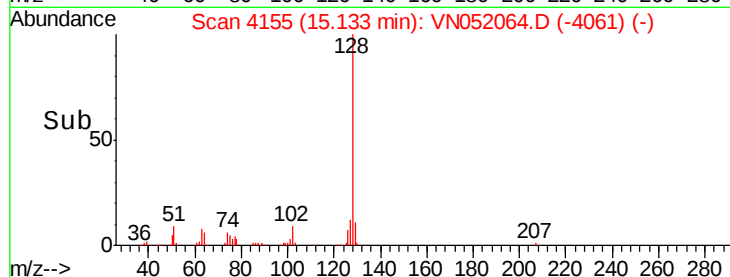
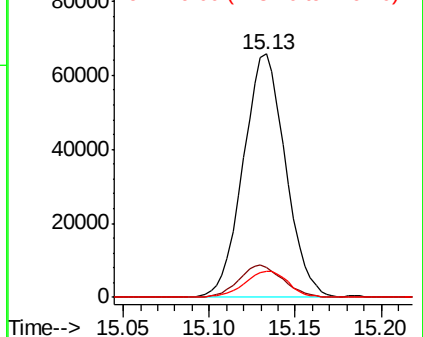
#95
Naphthalene
Concen: 22.232 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tgt Ion:128 Resp: 112168
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 11.1 8.6 12.8

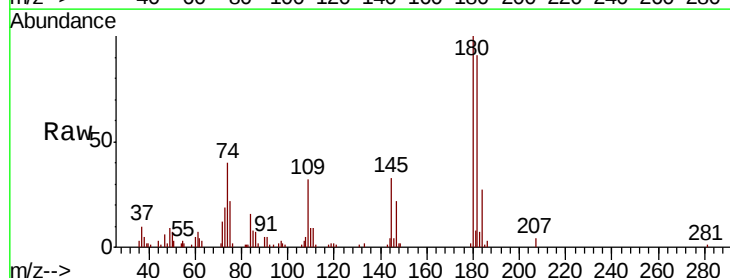


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.603 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052064.D
Acq: 30 Oct 2018 15:10

Tgt Ion:180 Resp: 39235
Ion Ratio Lower Upper
180 100
182 93.3 47.2 141.6
145 34.0 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

