

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051079.D
 Acq On : 10 Sep 2018 15:45
 Operator : MD\SY
 Sample : VN0910WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Quant Time: Sep 11 03:19:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	674259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	968786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	874012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	416243	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	377007	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
35) Dibromofluoromethane	7.59	113	366552	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	10.09	98	1385773	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.40	95	447942	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	124328	19.12	ug/l	97
3) Chloromethane	2.06	50	171565	20.11	ug/l	98
4) Vinyl Chloride	2.18	62	172136	19.29	ug/l	99
5) Bromomethane	2.56	94	98009	18.85	ug/l	99
6) Chloroethane	2.70	64	103722	18.83	ug/l	99
7) Trichlorofluoromethane	3.01	101	228937	19.36	ug/l	98
8) Diethyl Ether	3.41	74	88134	20.26	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	146274	19.19	ug/l	99
10) Methyl Iodide	3.95	142	115384	19.99	ug/l	99
11) Tert butyl alcohol	4.80	59	53760	93.80	ug/l	98
12) 1,1-Dichloroethene	3.73	96	135982	18.91	ug/l	98
13) Acrolein	3.61	56	70550	115.34	ug/l	97
14) Allyl chloride	4.32	41	208562	19.03	ug/l	100
15) Acrylonitrile	4.99	53	251393	98.99	ug/l	99
16) Acetone	3.82	43	184445	95.82	ug/l	99
17) Carbon Disulfide	4.05	76	407204	19.28	ug/l	100
18) Methyl Acetate	4.33	43	110081	18.32	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	374282	19.69	ug/l	99
20) Methylene Chloride	4.55	84	157992	19.06	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	148352	19.02	ug/l	96
22) Diisopropyl ether	5.95	45	449300	20.66	ug/l	99
23) Vinyl Acetate	5.90	43	1476539	100.31	ug/l	99
24) 1,1-Dichloroethane	5.85	63	269142	19.50	ug/l	99
25) 2-Butanone	6.84	43	272608	92.41	ug/l	98
26) 2,2-Dichloropropane	6.83	77	209149	18.52	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	166182	19.42	ug/l	99
28) Bromochloromethane	7.20	49	115193	18.75	ug/l	100
29) Tetrahydrofuran	7.21	42	188939	102.56	ug/l	98
30) Chloroform	7.37	83	267178	19.46	ug/l	97
31) Cyclohexane	7.65	56	242566	19.57	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	230747	19.73	ug/l	100
36) 1,1-Dichloropropene	7.79	75	206557	19.42	ug/l	99
37) Ethyl Acetate	6.93	43	124933	20.28	ug/l	99
38) Carbon Tetrachloride	7.77	117	205723	19.65	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	224612	19.14	ug/l	98
40) Benzene	8.04	78	637091	19.88	ug/l	99
41) Methacrylonitrile	7.22	41	177564	55.87	ug/l #	13
42) 1,2-Dichloroethane	8.13	62	186418	19.95	ug/l	99
43) Isopropyl Acetate	8.17	43	217222	19.98	ug/l	99
44) Trichloroethene	8.84	130	167563	19.11	ug/l	96
45) 1,2-Dichloropropane	9.12	63	162271	19.59	ug/l	97
46) Dibromomethane	9.21	93	99918	19.77	ug/l	98
47) Bromodichloromethane	9.40	83	201219	19.58	ug/l	99
48) Methyl methacrylate	9.20	41	105399	19.90	ug/l	99
49) 1,4-Dioxane	9.20	88	32840	395.36	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	620424	103.22	ug/l	99
52) Toluene	10.16	92	390642	19.99	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	197558	19.21	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	240024	19.91	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	142942	20.13	ug/l	98
56) Ethyl methacrylate	10.43	69	172046	19.63	ug/l	99
57) 1,3-Dichloropropane	10.71	76	237443	20.17	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	346937	96.58	ug/l	99
59) 2-Hexanone	10.75	43	389450	95.54	ug/l	100
60) Dibromochloromethane	10.90	129	158352	19.79	ug/l	99
61) 1,2-Dibromoethane	11.01	107	138512	19.96	ug/l	98
64) Tetrachloroethene	10.63	164	155531	19.50	ug/l	98
65) Chlorobenzene	11.43	112	426225	19.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	155411	19.59	ug/l	99
67) Ethyl Benzene	11.51	91	697916	19.56	ug/l	99
68) m/p-Xylenes	11.62	106	546126	39.84	ug/l	100
69) o-Xylene	11.95	106	263756	19.87	ug/l	99
70) Styrene	11.96	104	416235	20.21	ug/l	99
71) Bromoform	12.13	173	109870	19.67	ug/l #	99
73) Isopropylbenzene	12.25	105	689824	19.76	ug/l	99
74) N-amyl acetate	12.07	43	168942	19.23	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	178972	21.44	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	205233	31.25	ug/l #	100
77) Bromobenzene	12.53	156	179575	19.15	ug/l	99
78) n-propylbenzene	12.59	91	758640	19.77	ug/l	100
79) 2-Chlorotoluene	12.67	91	469258	19.57	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	564203	19.99	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41946	19.14	ug/l	98
82) 4-Chlorotoluene	12.77	91	456204	19.16	ug/l	100
83) tert-Butylbenzene	12.99	119	488722	19.62	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	565101	20.36	ug/l	100
85) sec-Butylbenzene	13.17	105	630834	19.74	ug/l	99
86) p-Isopropyltoluene	13.29	119	545667	20.14	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	293321	18.44	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	286348	19.61	ug/l	99
89) n-Butylbenzene	13.62	91	389023	18.45	ug/l	99
90) Hexachloroethane	13.87	117	100438	19.99	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	289814	18.70	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23277	19.92	ug/l	99

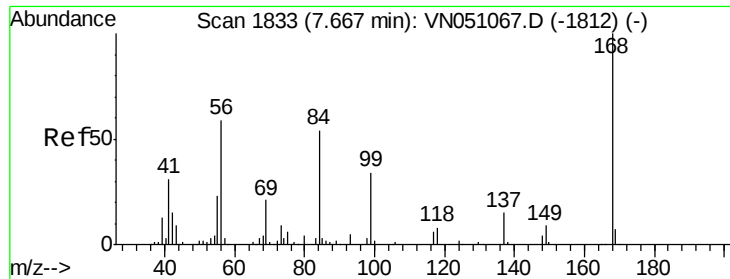
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	107553	17.20	ug/l	98
94) Hexachlorobutadiene	15.01	225	92235	19.34	ug/l	99
95) Naphthalene	15.13	128	200788	16.80	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	114749	18.04	ug/l	99

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

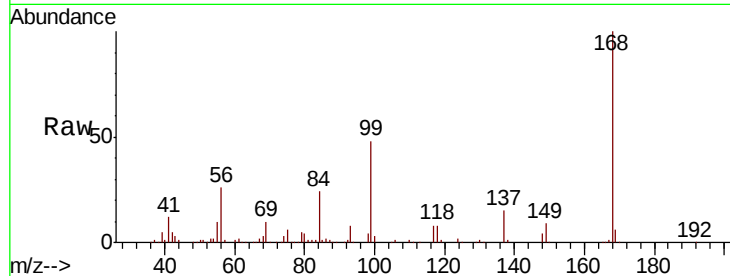


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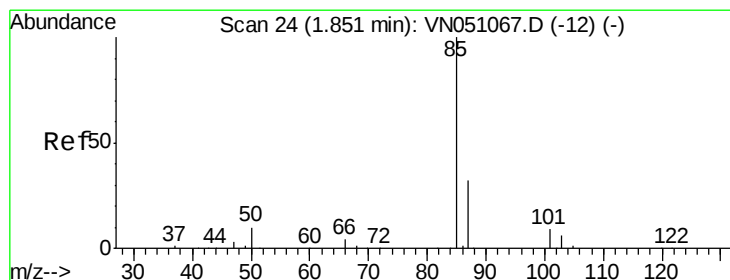
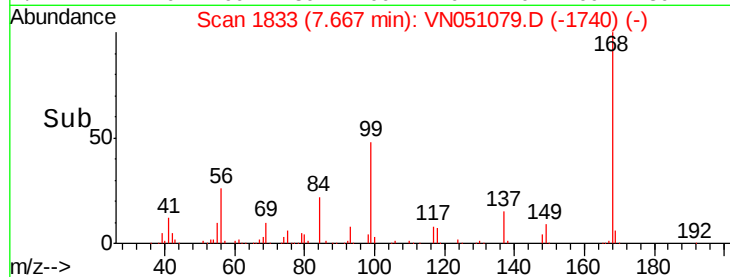
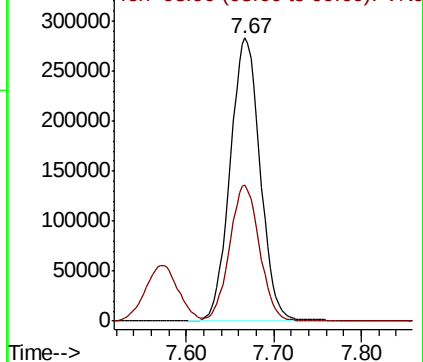
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
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 VN0910WBS01

Tot Ion:168 Resp: 674259
 Ion Ratio Lower Upper
 168 100
 99 48.1 38.3 57.5



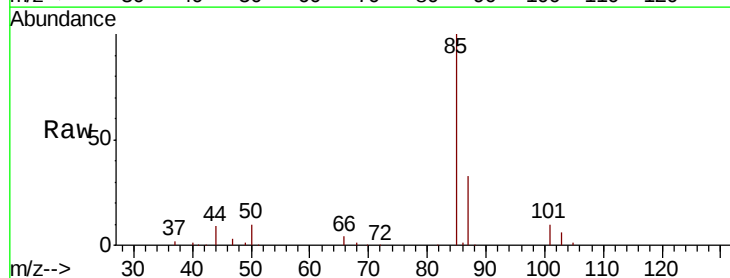
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VN



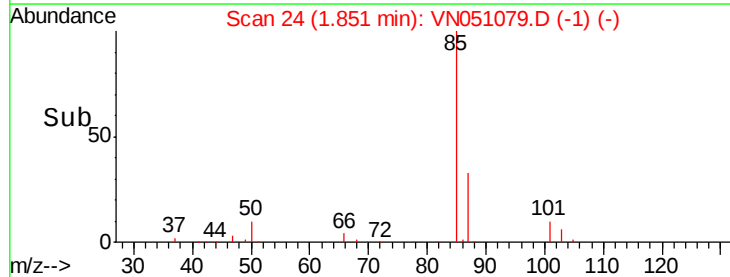
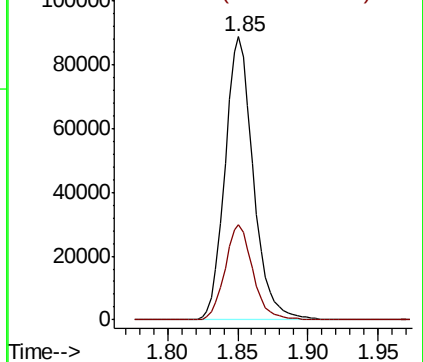
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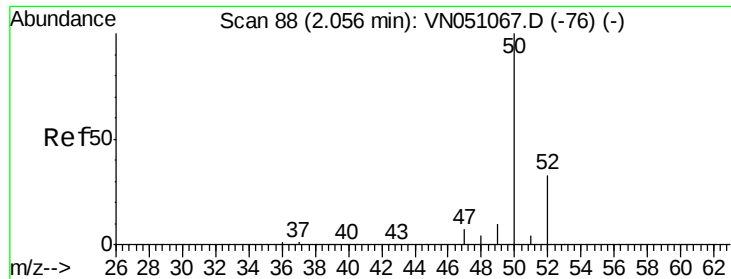
Dichlorodifluoromethane
 Concen: 19.12 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion: 85 Resp: 124328
 Ion Ratio Lower Upper
 85 100
 87 33.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN
 Ion 86.90 (86.60 to 87.60): VN

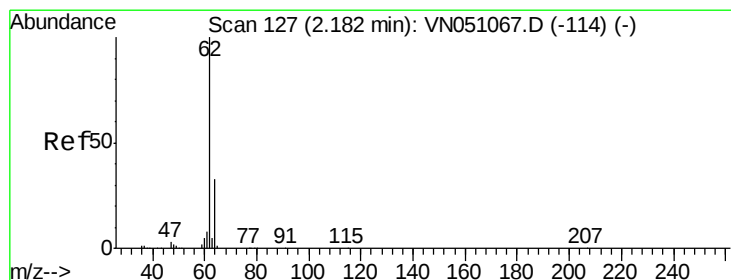
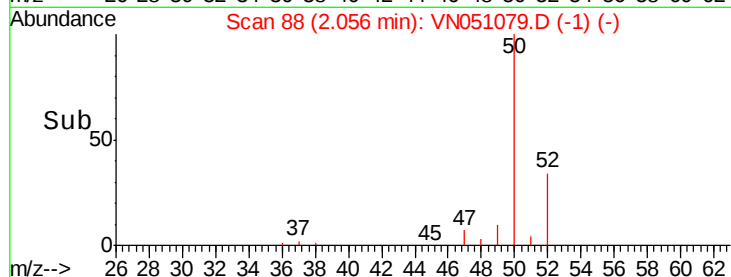
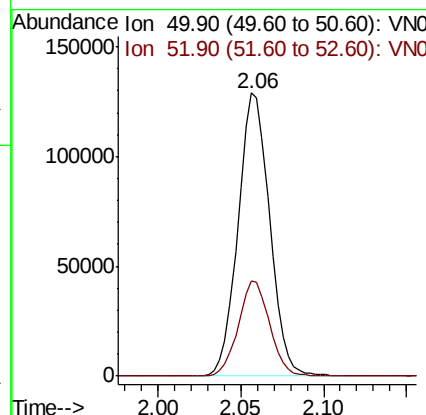
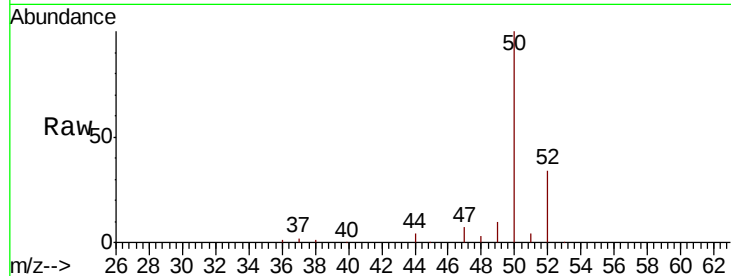




#3
Chloromethane
Concen: 20.11 ug/l
RT: 2.06 min Scan# 88
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

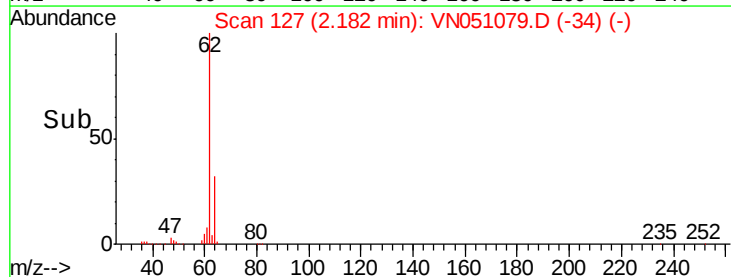
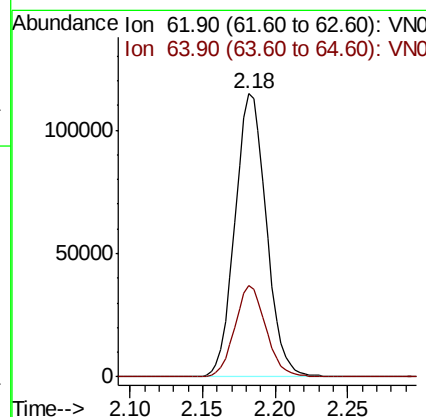
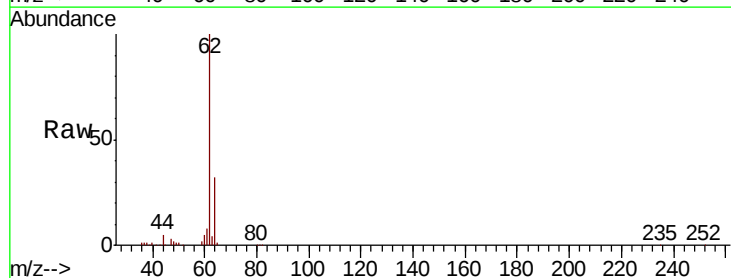
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

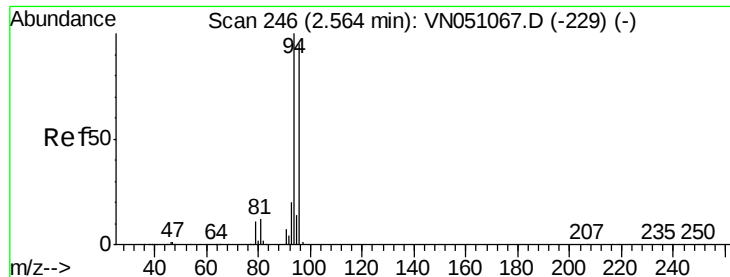
Tot Ion: 50 Resp: 171565
Ion Ratio Lower Upper
50 100
52 33.6 26.0 39.0



#4
Vinyl Chloride
Concen: 19.29 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion: 62 Resp: 172136
Ion Ratio Lower Upper
62 100
64 32.2 26.2 39.4





#5

Bromomethane

Concen: 18.85 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

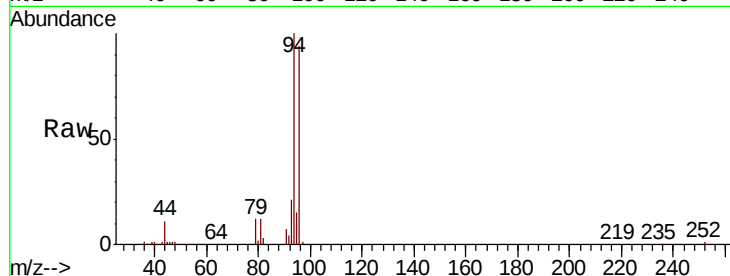
VN0910WBS01

Tot Ion: 94 Resp: 98009

Ion Ratio Lower Upper

94 100

96 94.0 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

50000

40000

30000

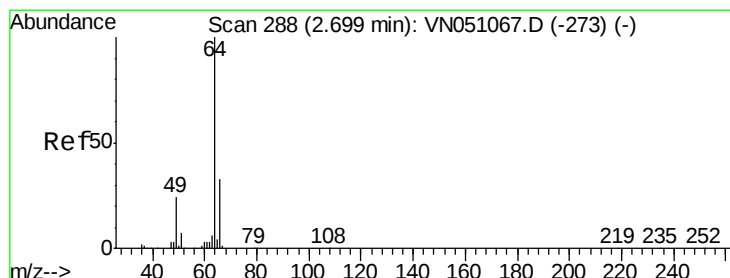
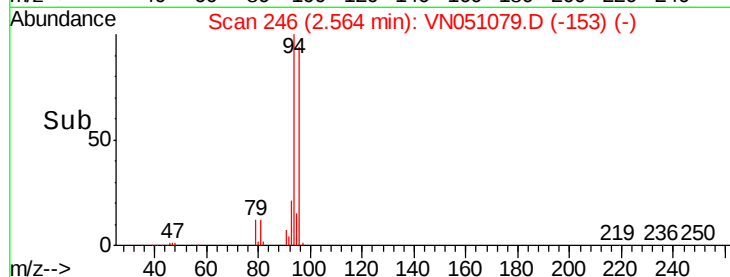
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.83 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051079.D

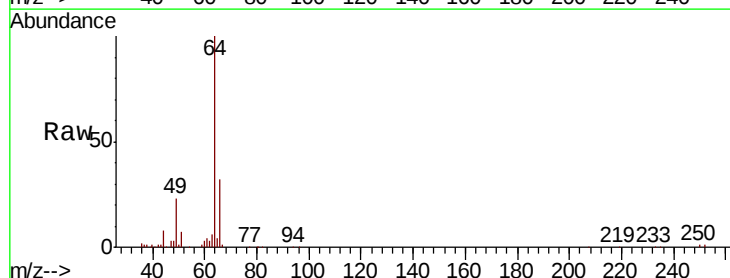
Acq: 10 Sep 2018 15:45

Tgt Ion: 64 Resp: 103722

Ion Ratio Lower Upper

64 100

66 32.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

50000

40000

30000

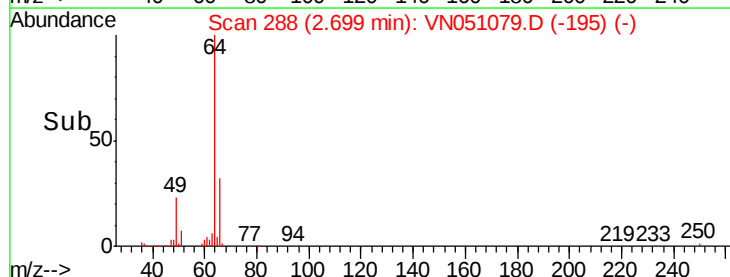
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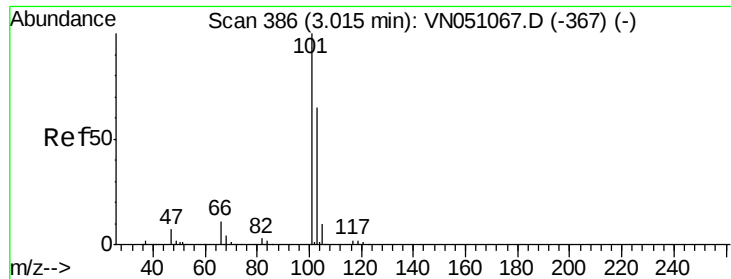
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Time-->

2.60 2.70 2.80



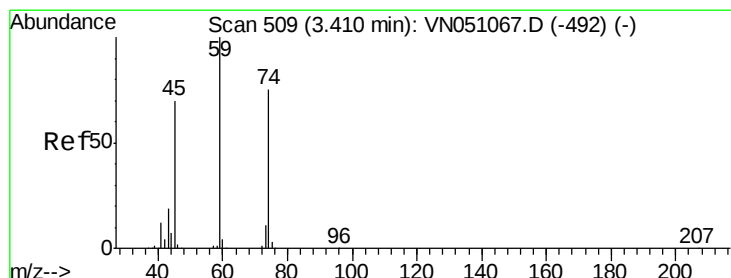
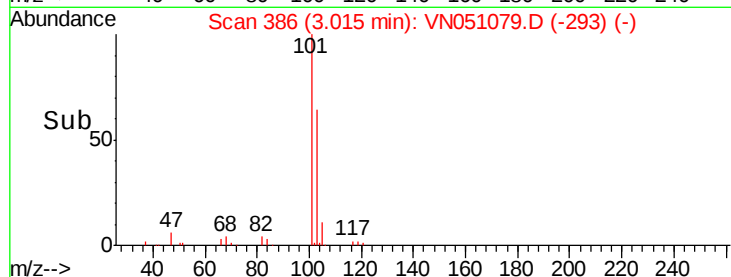
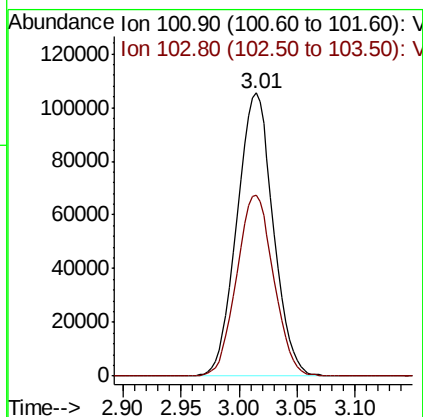
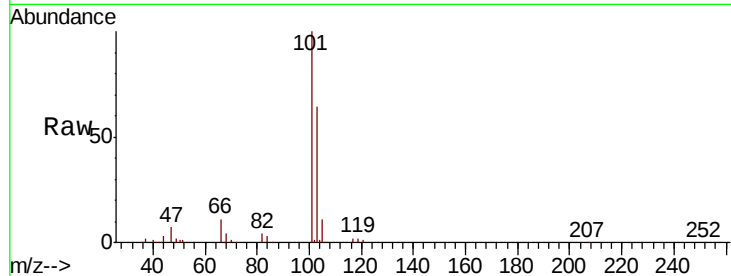


#7

Trichlorofluoromethane
 Concen: 19.36 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
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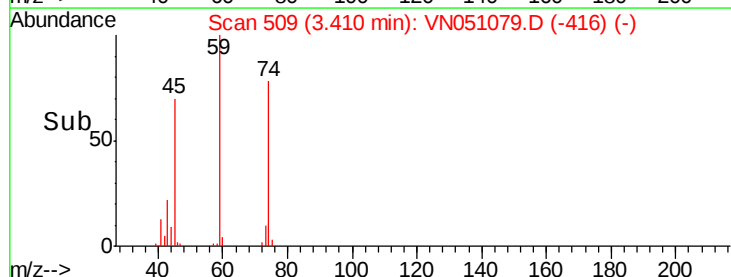
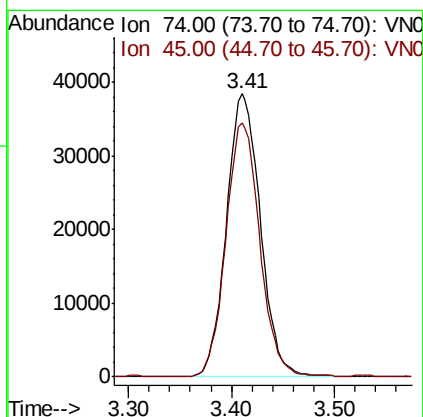
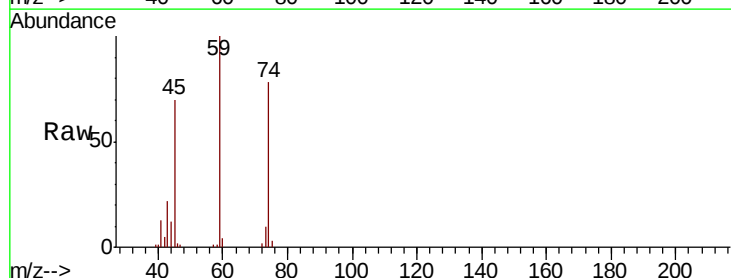
Tot Ion:101 Resp: 228937
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.4 78.6

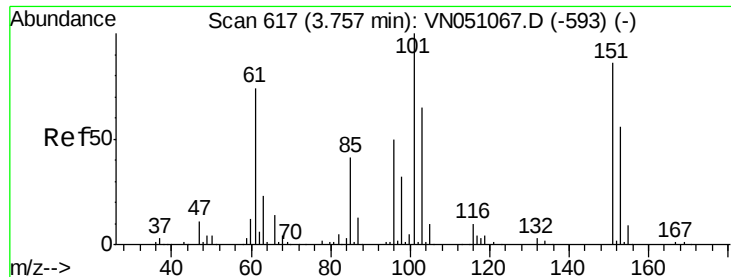


#8

Diethyl Ether
 Concen: 20.26 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion: 74 Resp: 88134
 Ion Ratio Lower Upper
 74 100
 45 89.8 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.19 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

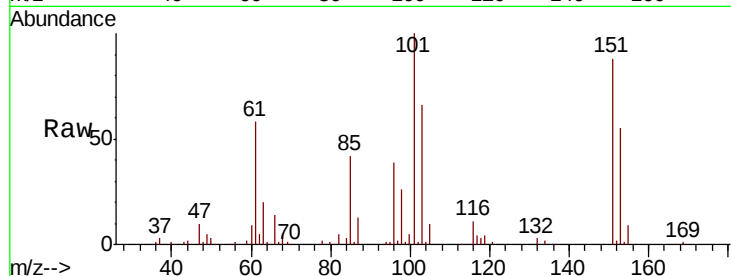
Tot Ion:101 Resp: 146274

Ion Ratio Lower Upper

101 100

85 41.3 33.3 49.9

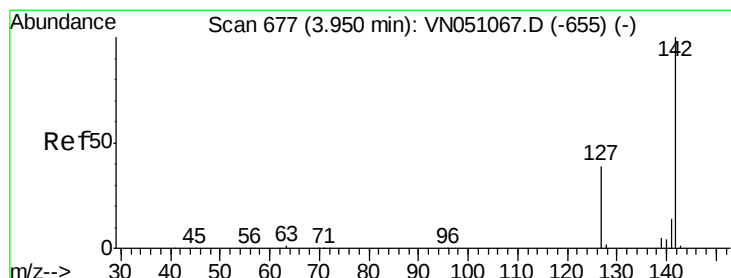
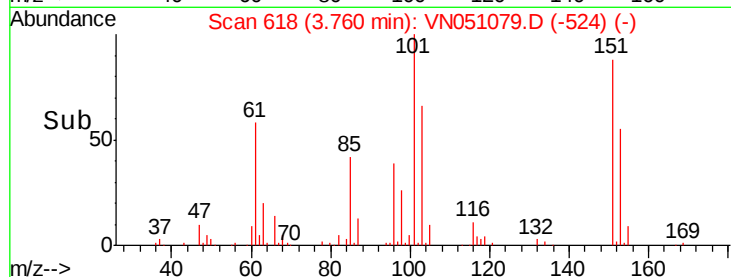
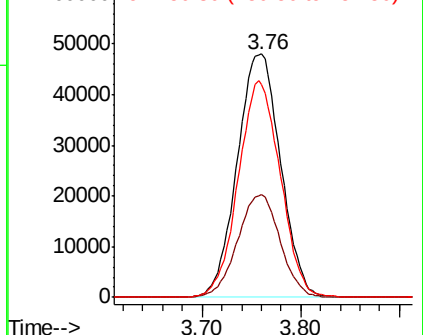
151 86.1 68.2 102.2



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: 19.99 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

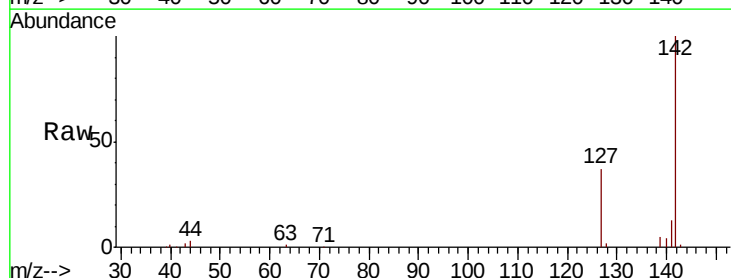
Tgt Ion:142 Resp: 115384

Ion Ratio Lower Upper

142 100

127 38.0 31.0 46.4

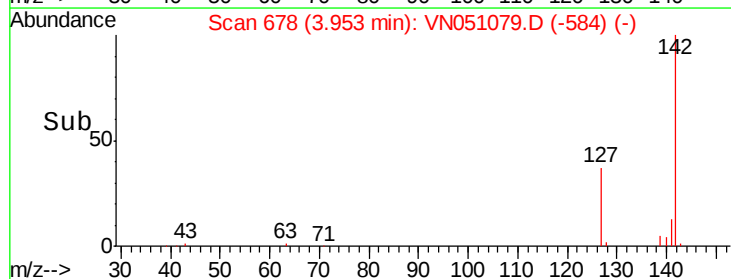
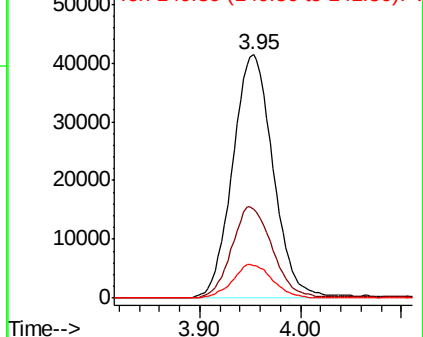
141 13.7 11.3 16.9

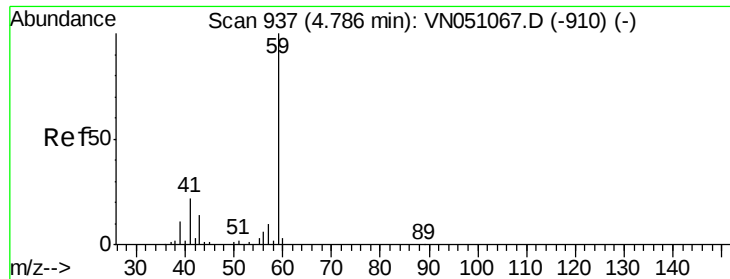


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

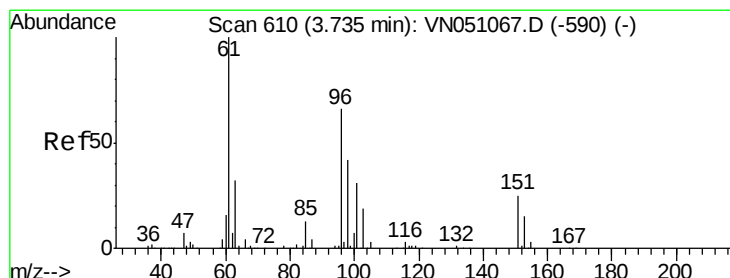
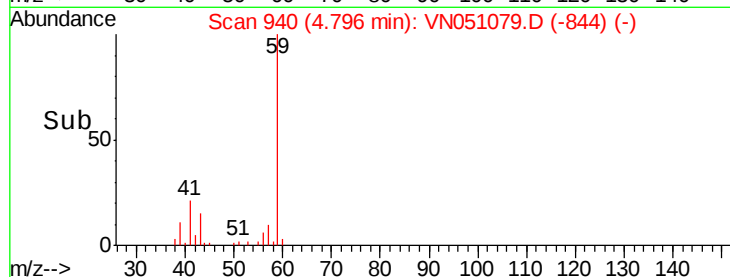
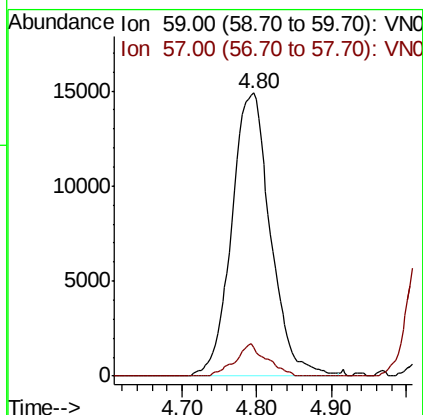
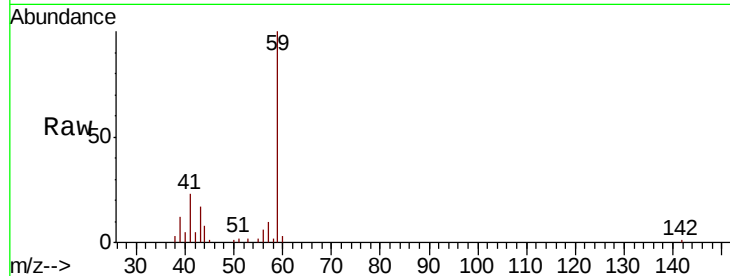




#11
Tert butyl alcohol
Concen: 93.80 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

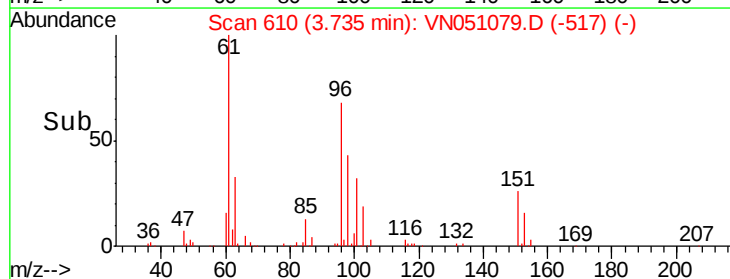
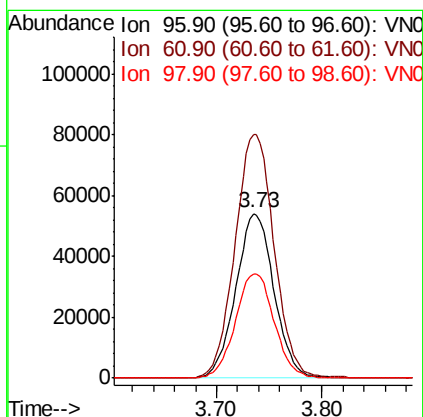
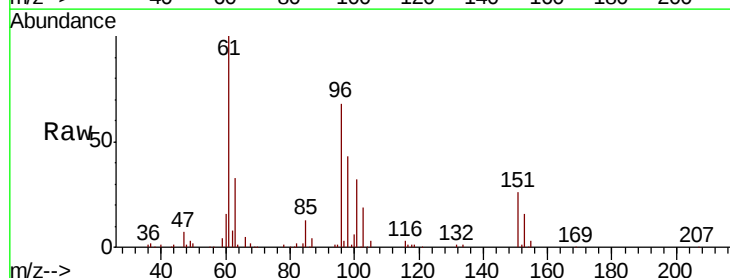
Instrument :
MSVOA_N
ClientSampled :
VN0910WBS01

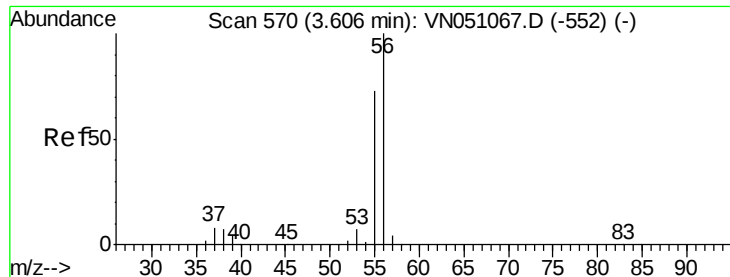
Tot Ion: 59 Resp: 53760
Ion Ratio Lower Upper
59 100
57 9.2 8.1 12.1



#12
1,1-Dichloroethene
Concen: 18.91 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion: 96 Resp: 135982
Ion Ratio Lower Upper
96 100
61 147.7 120.3 180.5
98 62.9 50.8 76.2





#13

Acrolein

Concen: 115.34 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

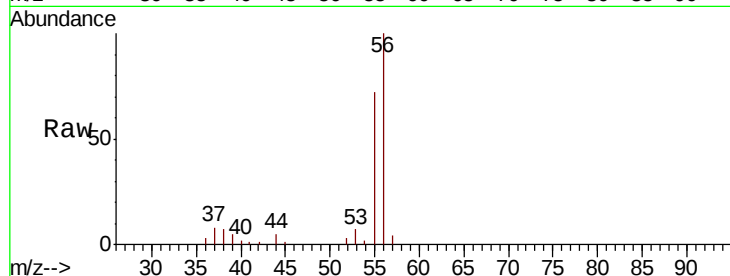
VN0910WBS01

Tot Ion: 56 Resp: 70550

Ion Ratio Lower Upper

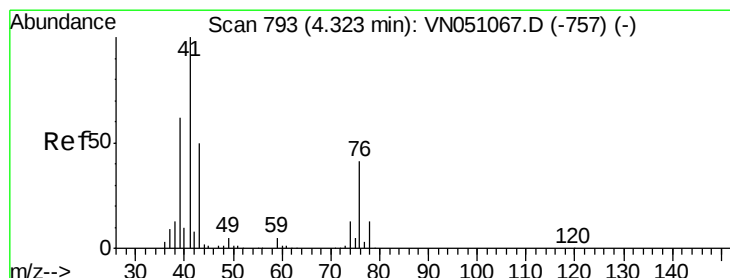
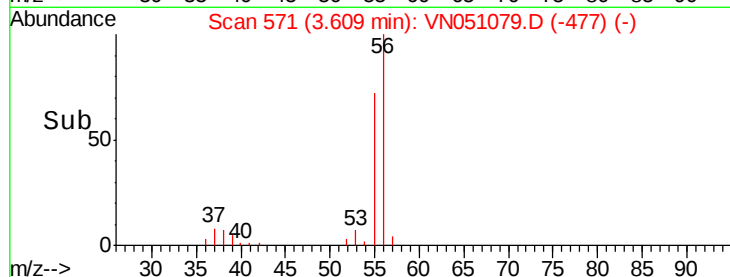
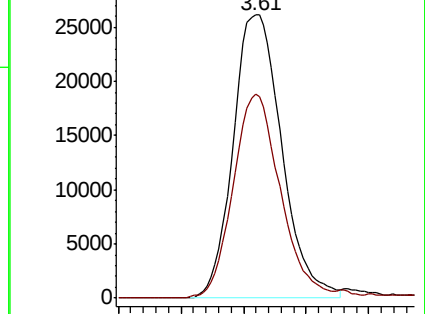
56 100

55 69.7 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.03 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

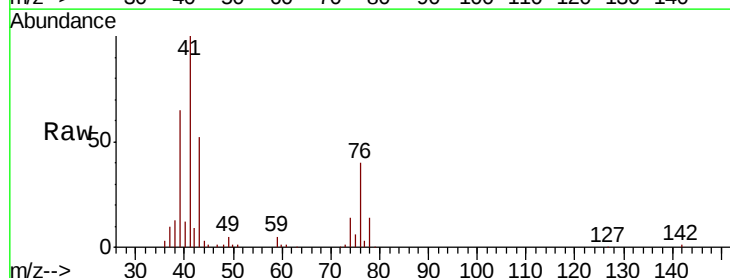
Tgt Ion: 41 Resp: 208562

Ion Ratio Lower Upper

41 100

39 61.1 48.8 73.2

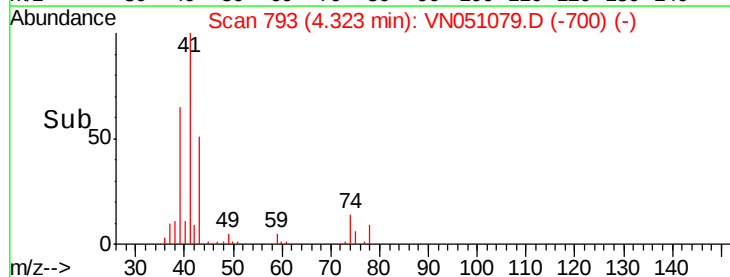
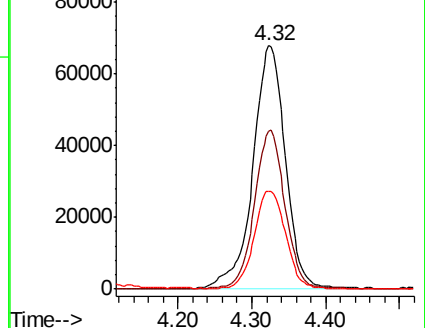
76 38.4 30.6 45.8

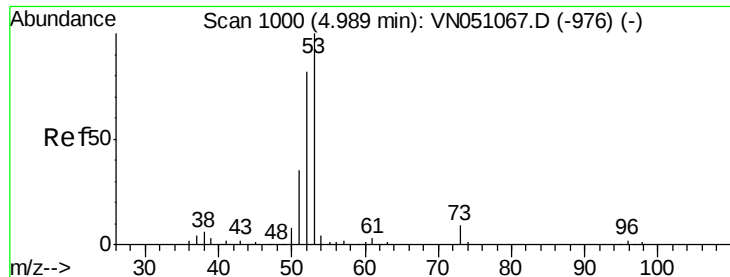


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.99 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

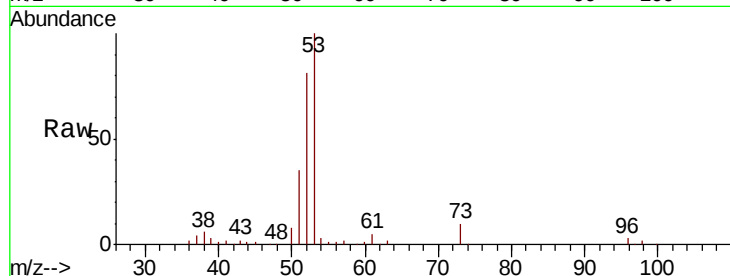
MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion: 53 Resp: 251393

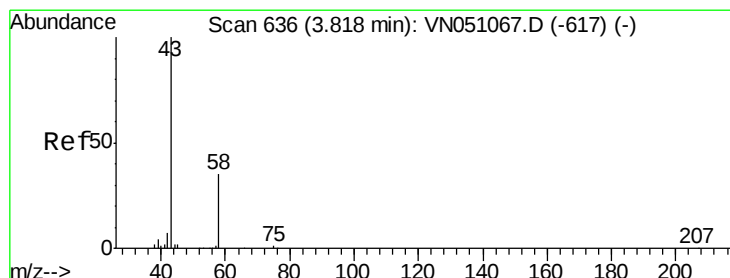
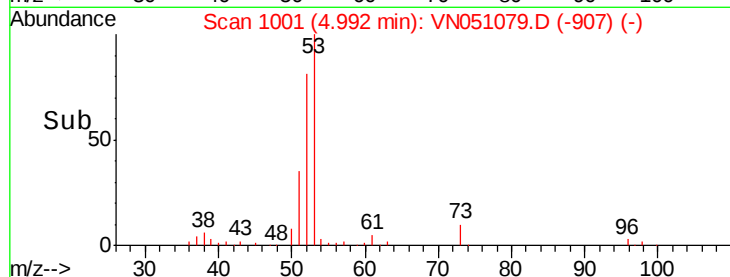
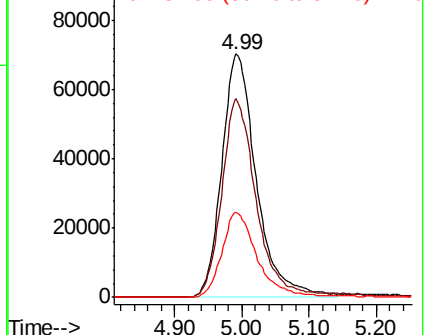
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.3	97.9
51	35.6	28.2	42.2



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 95.82 ug/l

RT: 3.82 min Scan# 637

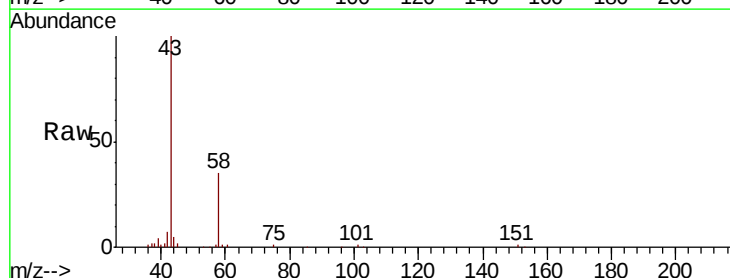
Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

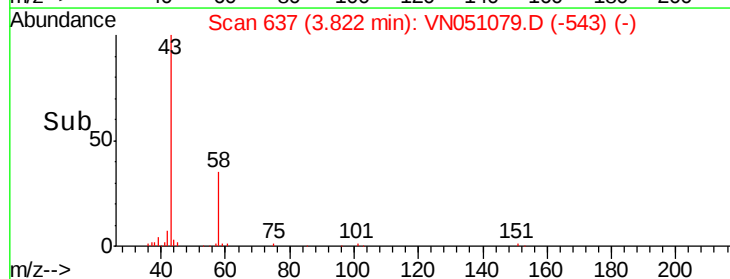
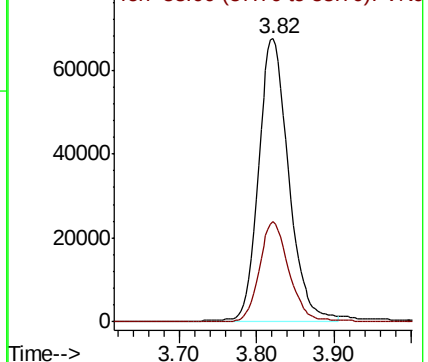
Tgt Ion: 43 Resp: 184445

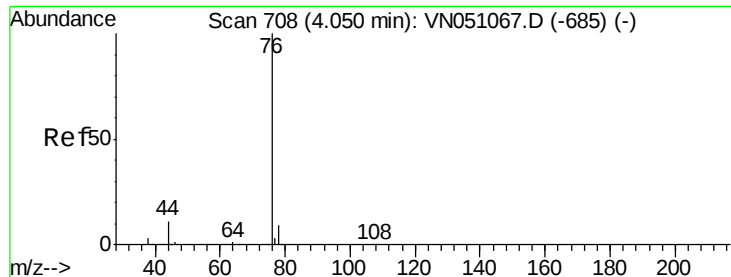
Ion	Ratio	Lower	Upper
43	100		
58	35.3	27.8	41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.28 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

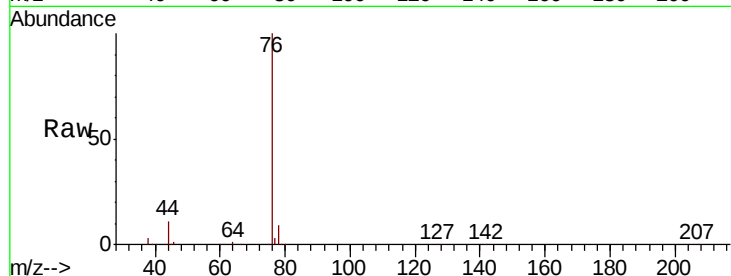
VN0910WBS01

Tot Ion: 76 Resp: 407204

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

100000

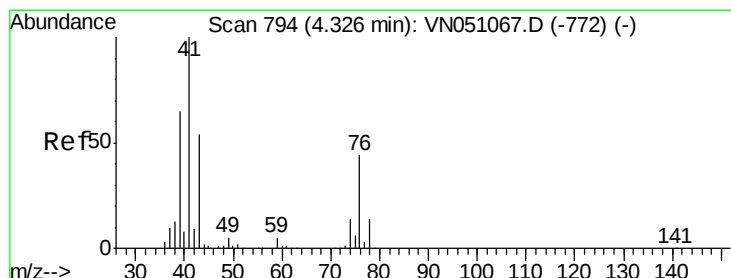
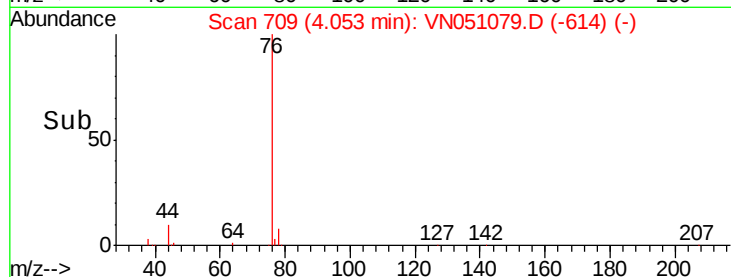
50000

0

4.05

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 18.32 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051079.D

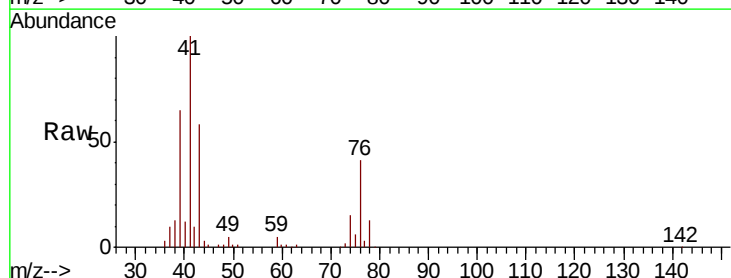
Acq: 10 Sep 2018 15:45

Tgt Ion: 43 Resp: 110081

Ion Ratio Lower Upper

43 100

74 25.7 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

40000

30000

20000

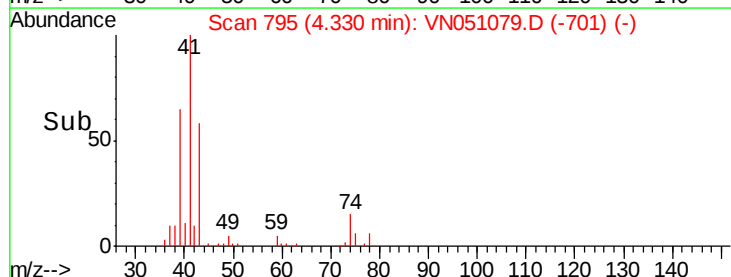
10000

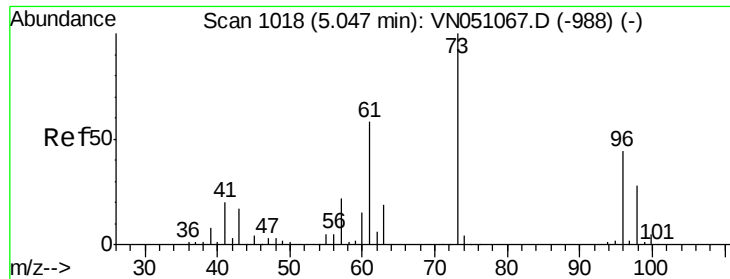
0

4.33

4.20 4.30 4.40

Time-->

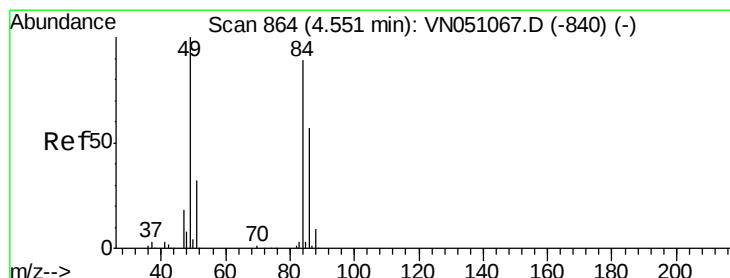
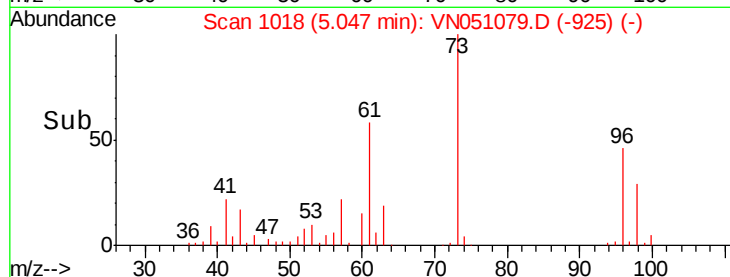
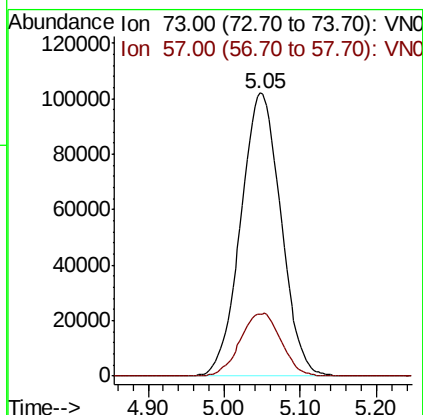
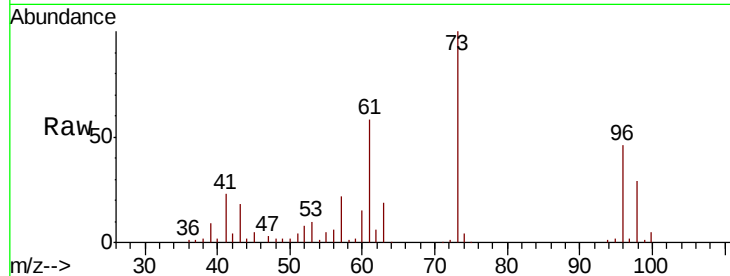




#19
Methvl tert-butvl Ether
Concen: 19.69 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

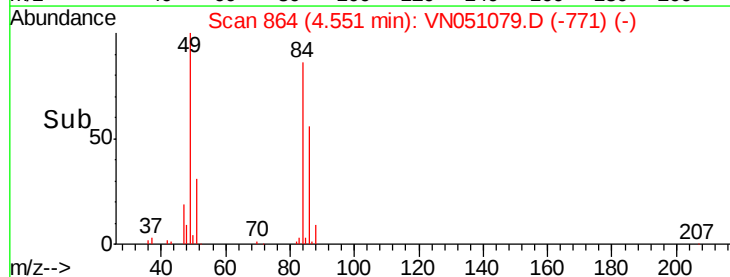
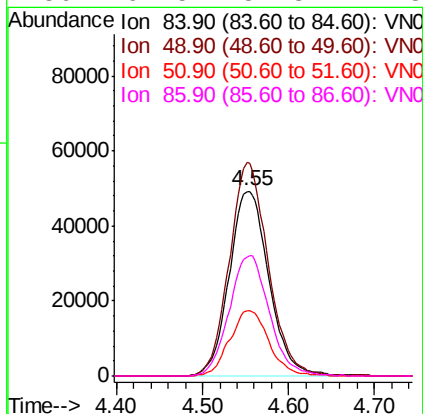
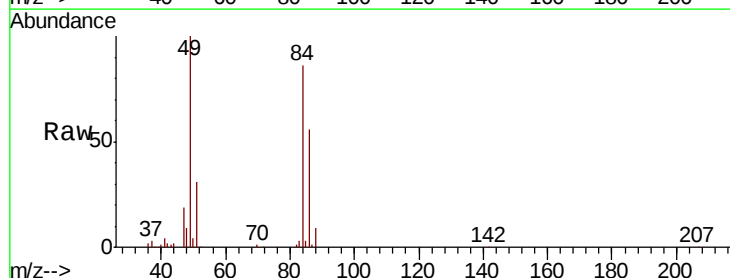
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

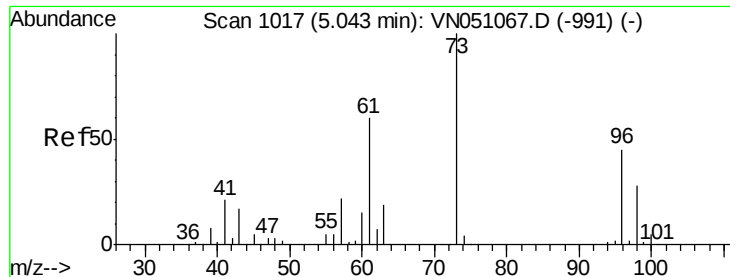
Tot Ion: 73 Resp: 374282
Ion Ratio Lower Upper
73 100
57 21.9 17.9 26.9



#20
Methylene Chloride
Concen: 19.06 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion: 84 Resp: 157992
Ion Ratio Lower Upper
84 100
49 115.4 90.2 135.2
51 35.6 28.4 42.6
86 64.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 19.02 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS01

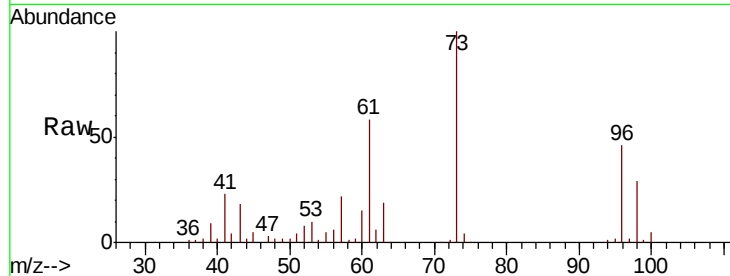
Tot Ion: 96 Resp: 148352

Ion Ratio Lower Upper

96 100

61 127.0 106.5 159.7

98 63.3 50.4 75.6

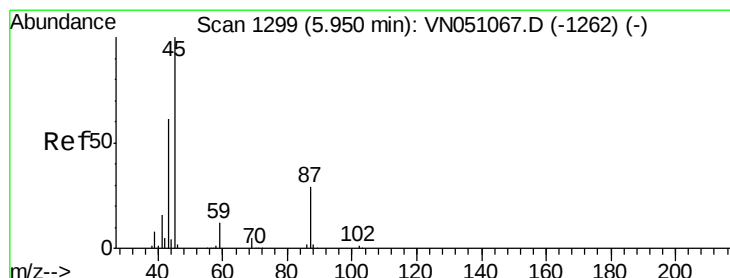
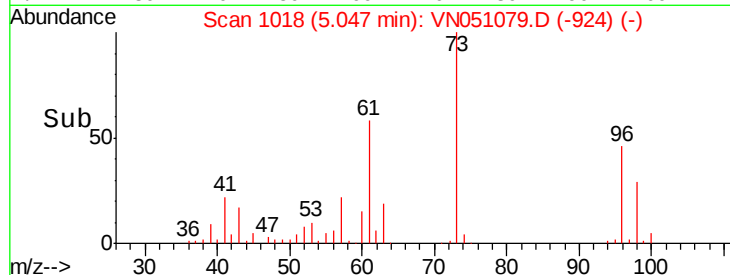
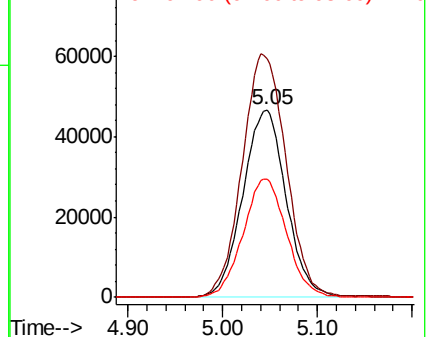


Abundance

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



#22

Diisopropyl ether

Concen: 20.66 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Tgt Ion: 45 Resp: 449300

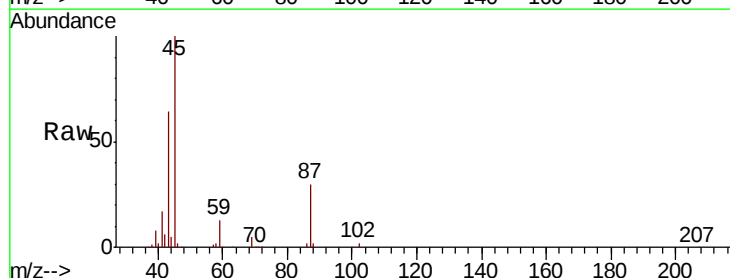
Ion Ratio Lower Upper

45 100

43 62.2 48.8 73.2

87 30.3 23.8 35.8

59 12.5 9.6 14.4



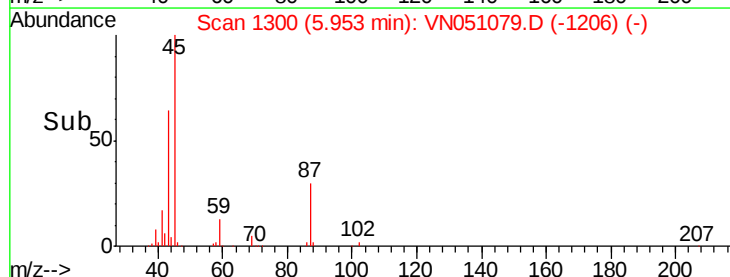
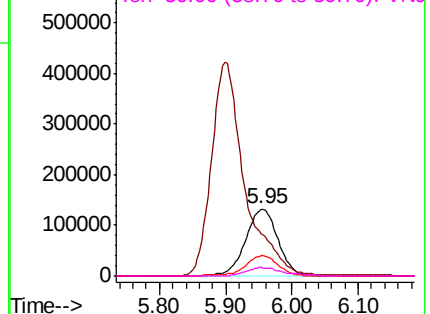
Abundance

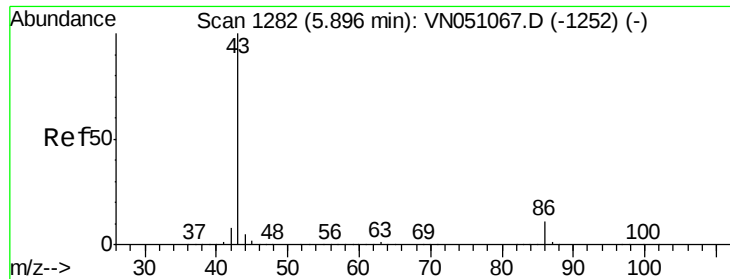
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

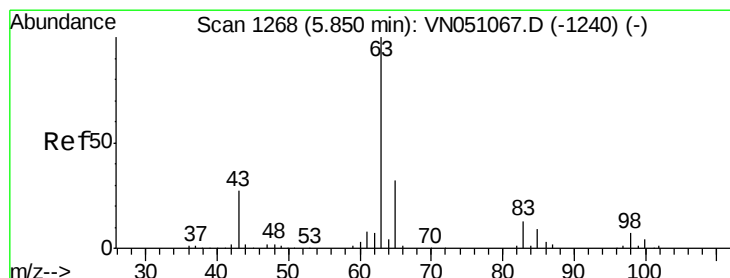
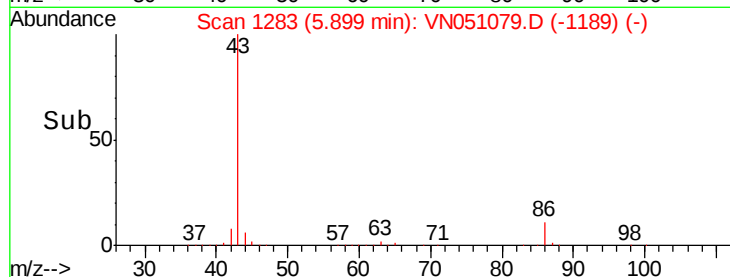
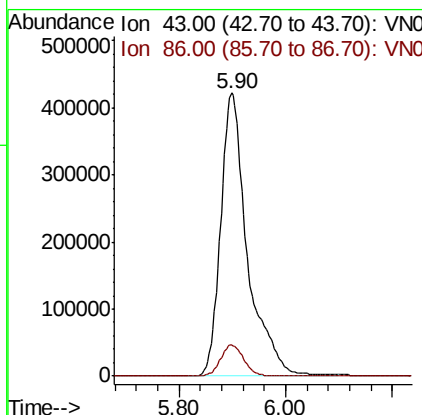
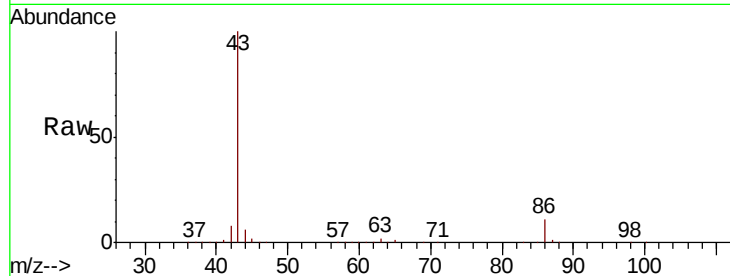




#23
 Vinyl Acetate
 Concen: 100.31 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

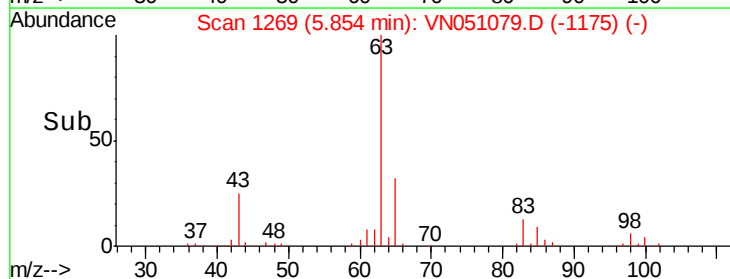
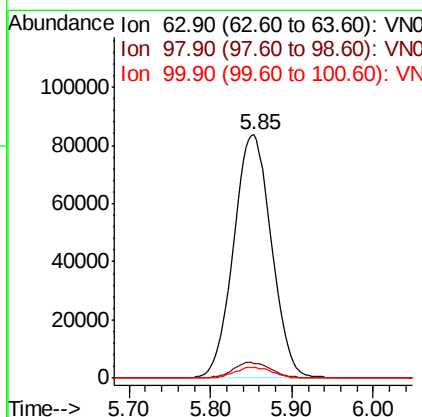
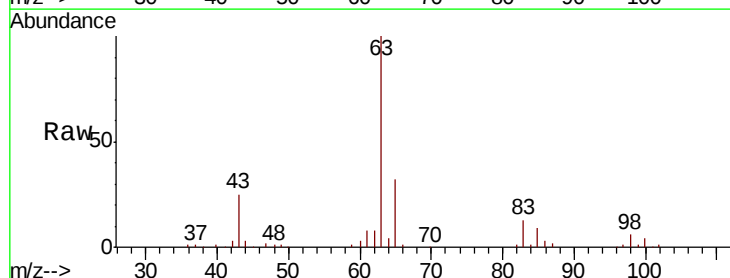
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

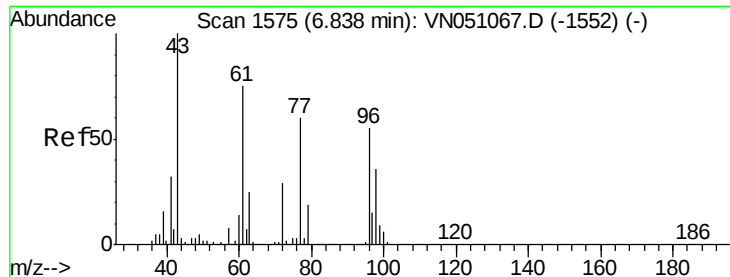
Tot Ion: 43 Resp: 1476539
 Ion Ratio Lower Upper
 43 100
 86 11.0 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 19.50 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion: 63 Resp: 269142
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.4 10.1
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 92.41 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampled :

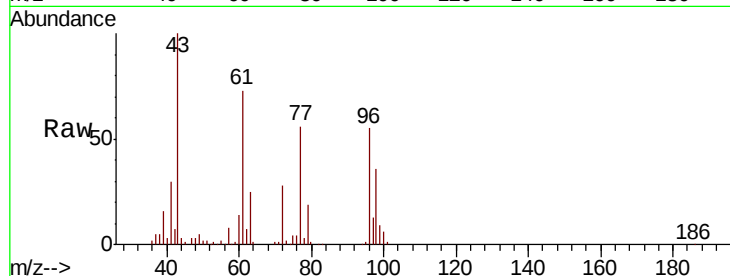
VN0910WBS01

Tot Ion: 43 Resp: 272608

Ion Ratio Lower Upper

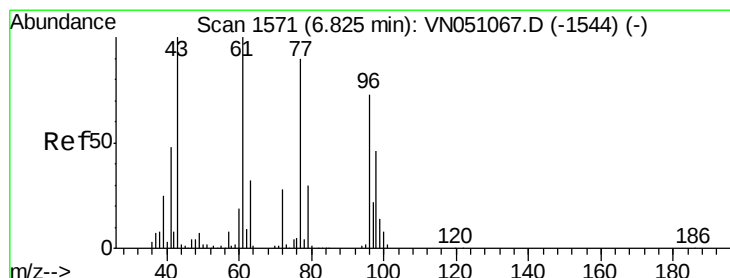
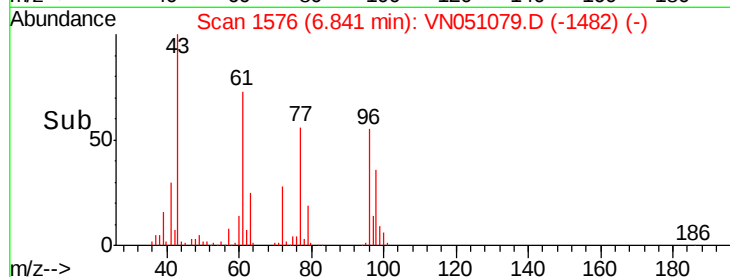
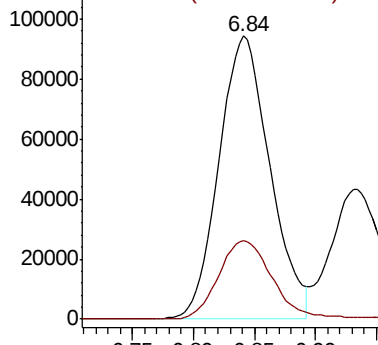
43 100

72 27.8 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.52 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051079.D

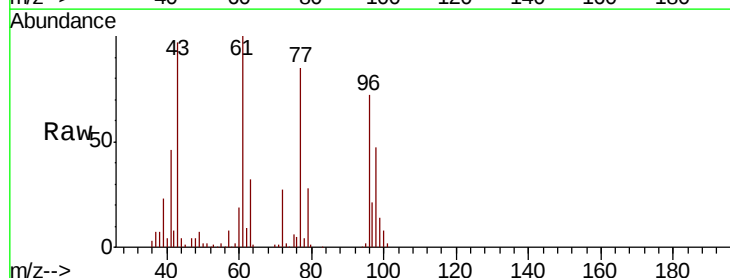
Acq: 10 Sep 2018 15:45

Tgt Ion: 77 Resp: 209149

Ion Ratio Lower Upper

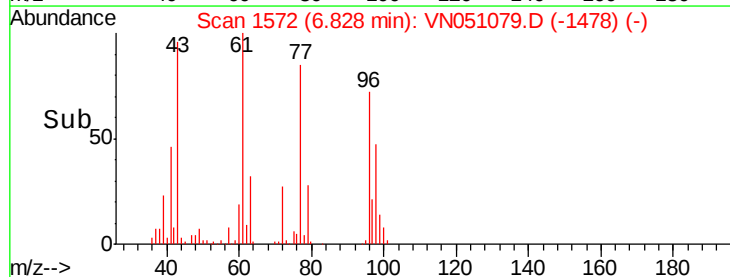
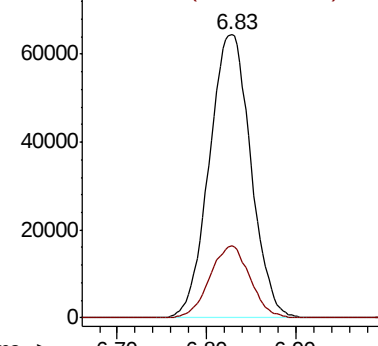
77 100

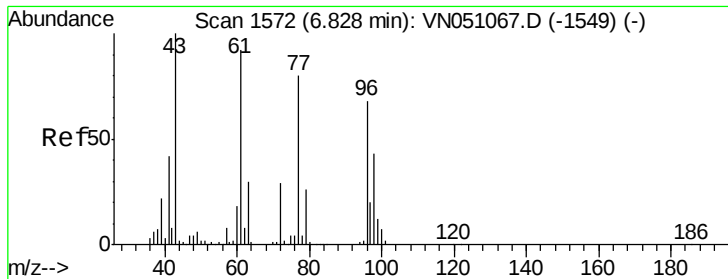
97 24.7 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.42 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

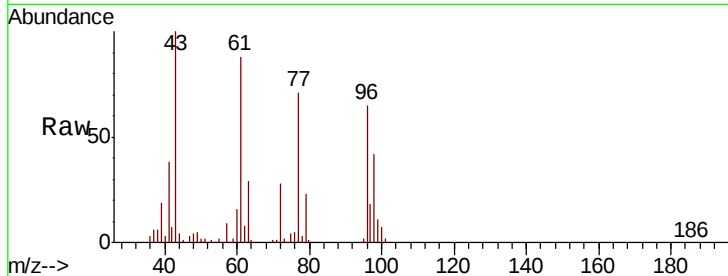
Tot Ion: 96 Resp: 166182

Ion Ratio Lower Upper

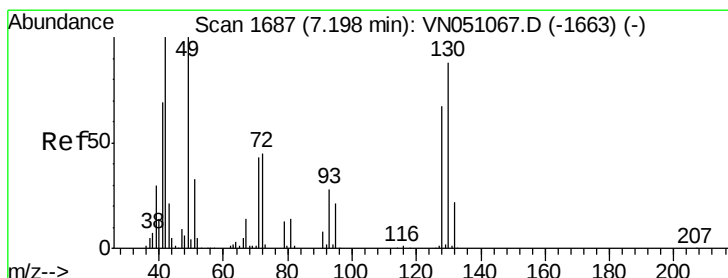
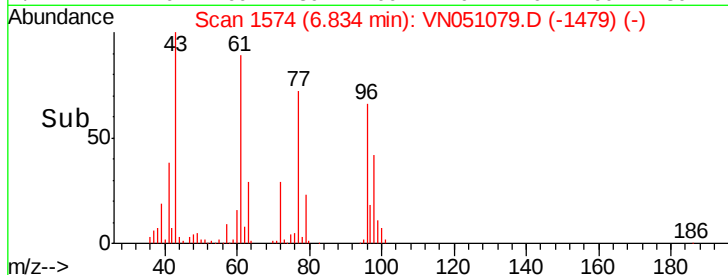
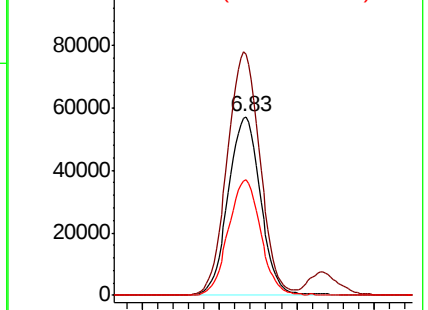
96 100

61 137.7 0.0 278.2

98 64.4 0.0 129.4



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: 18.75 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

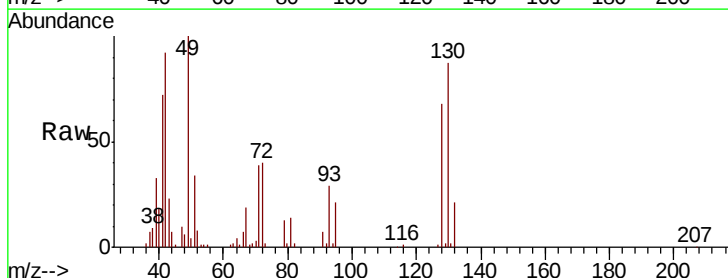
Tgt Ion: 49 Resp: 115193

Ion Ratio Lower Upper

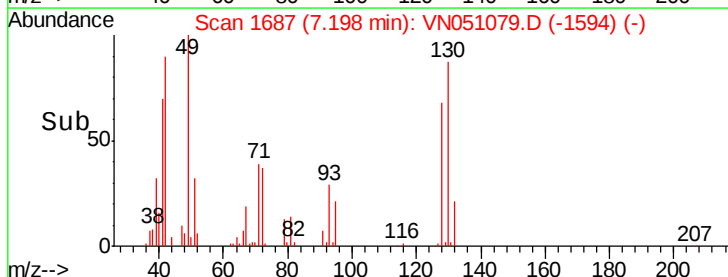
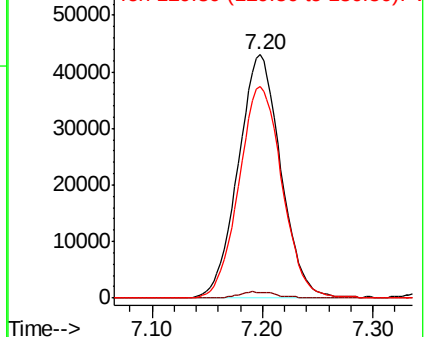
49 100

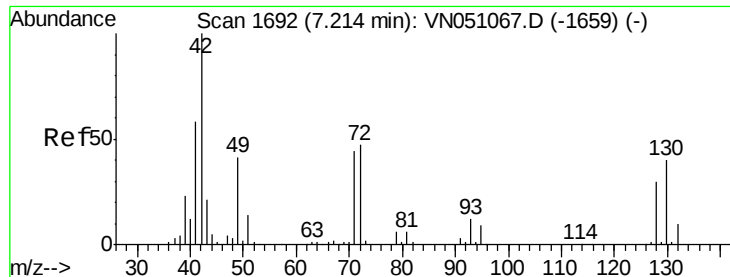
129 2.2 0.0 4.4

130 88.3 70.7 106.1



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: 102.56 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

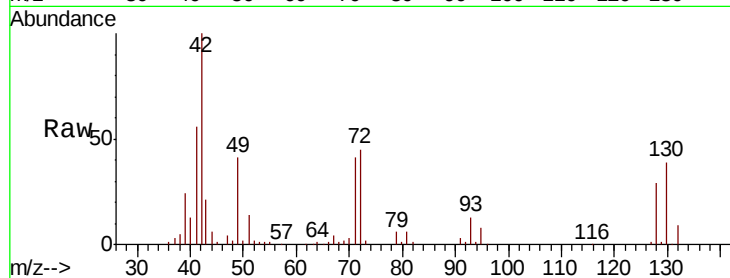
Tot Ion: 42 Resp: 188939

Ion Ratio Lower Upper

42 100

72 44.7 37.4 56.0

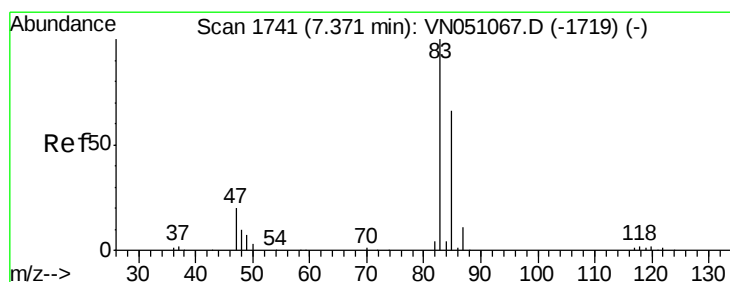
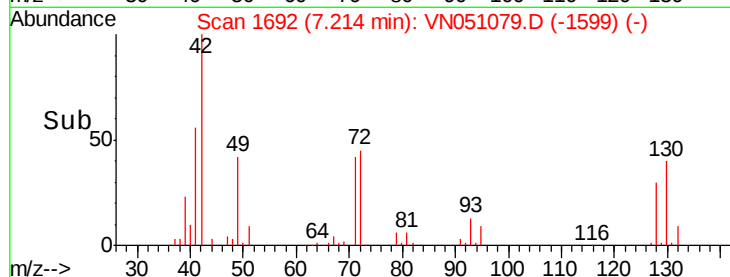
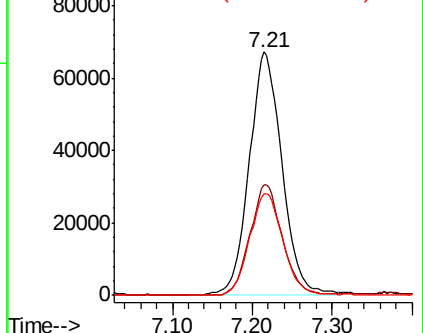
71 42.3 34.7 52.1



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.46 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051079.D

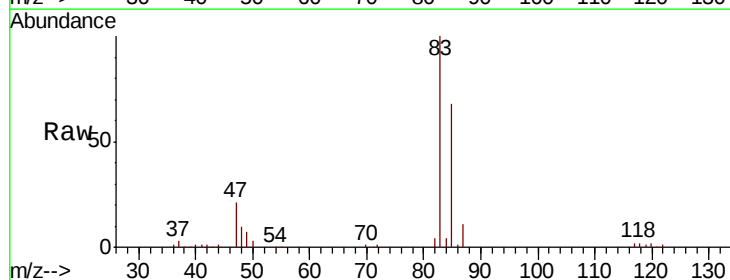
Acq: 10 Sep 2018 15:45

Tgt Ion: 83 Resp: 267178

Ion Ratio Lower Upper

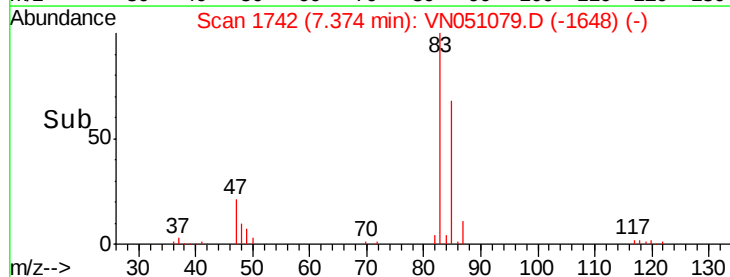
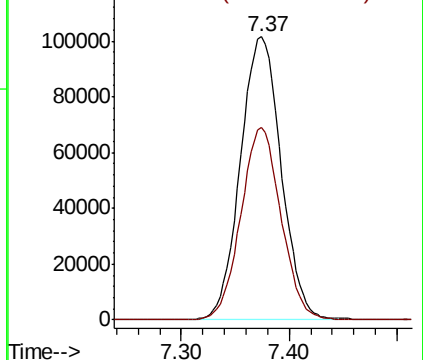
83 100

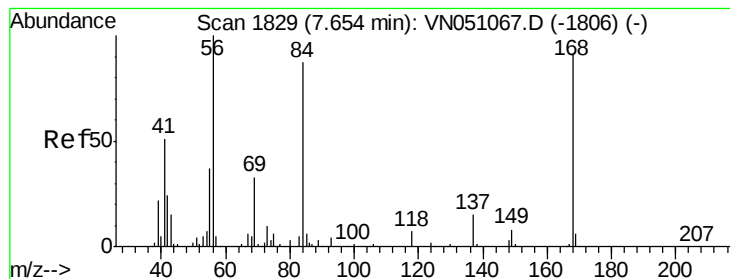
85 67.9 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.57 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampled :
VN0910WBS01

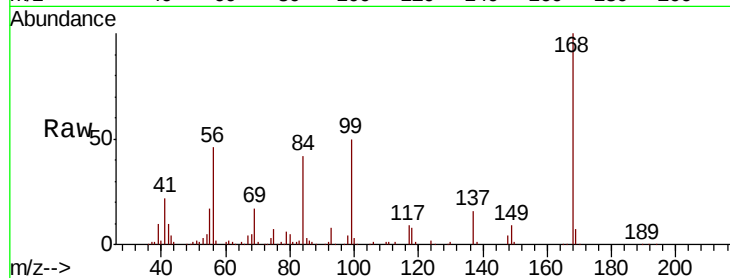
Tot Ion: 56 Resp: 242566

Ion Ratio Lower Upper

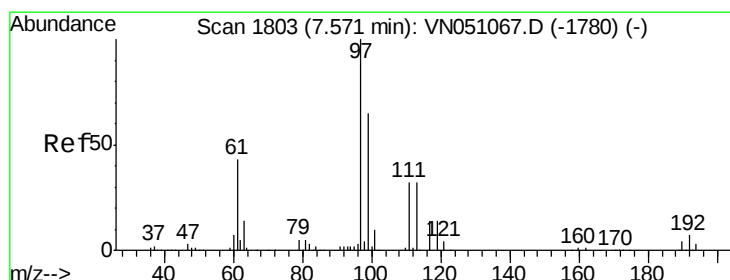
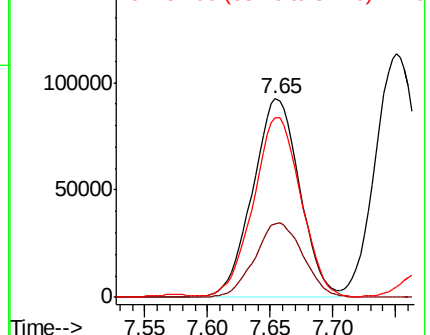
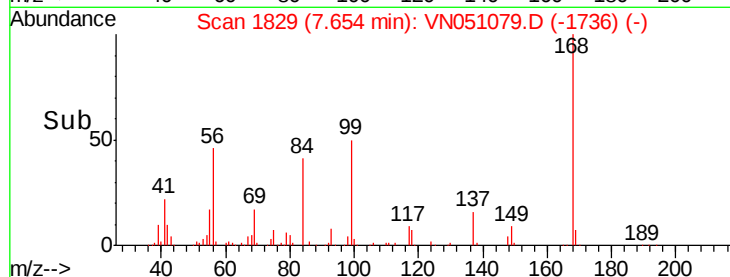
56 100

69 37.2 26.3 39.5

84 89.7 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.73 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

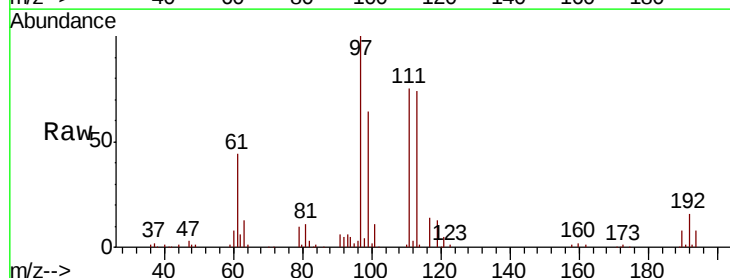
Tgt Ion: 97 Resp: 230747

Ion Ratio Lower Upper

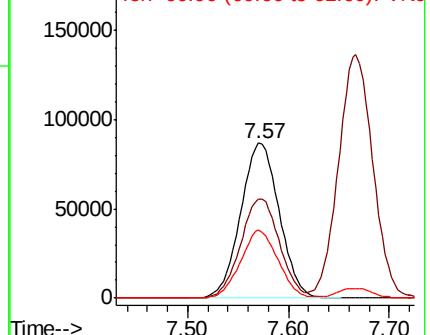
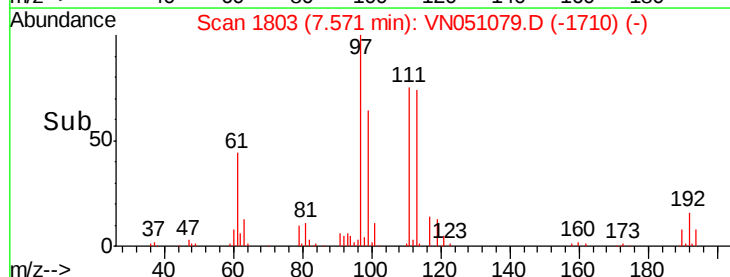
97 100

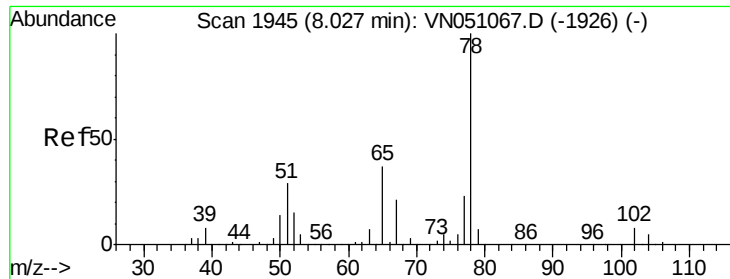
99 64.4 51.6 77.4

61 42.7 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

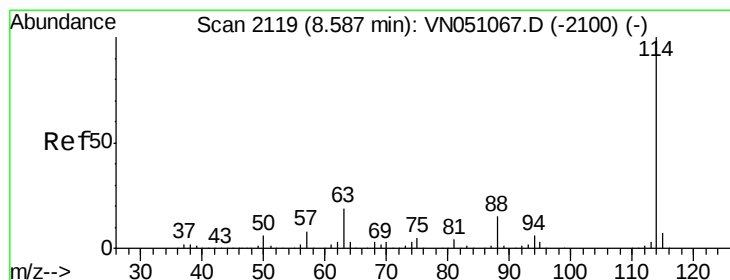
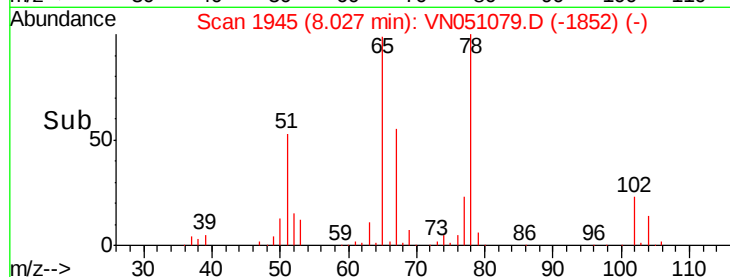
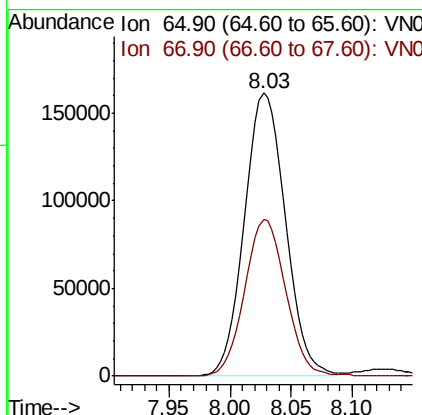
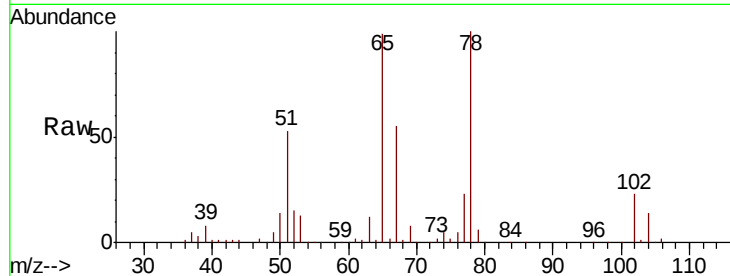




#33
 1,2-Dichloroethane-d4
 Concen: 50.24 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

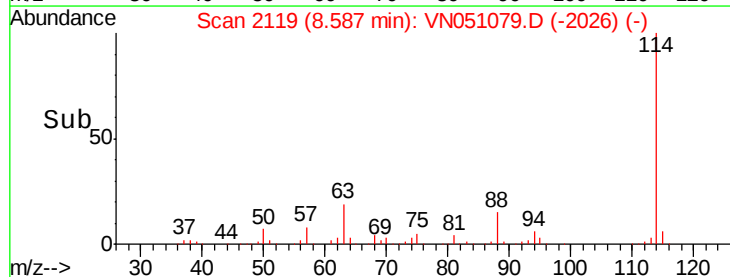
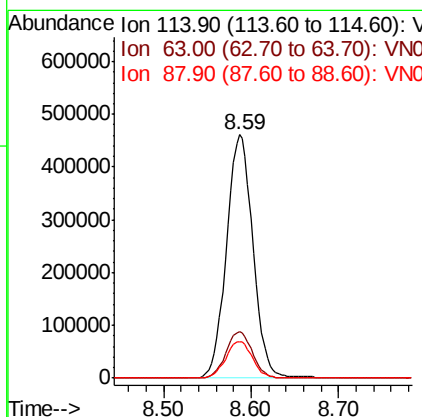
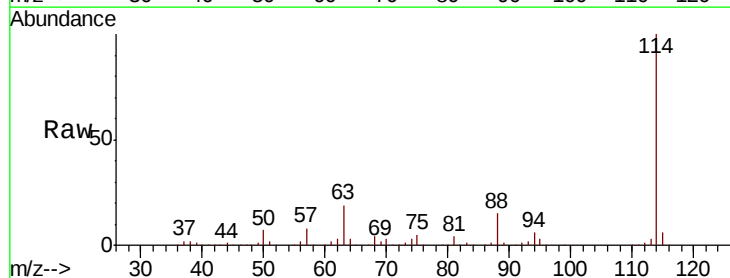
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

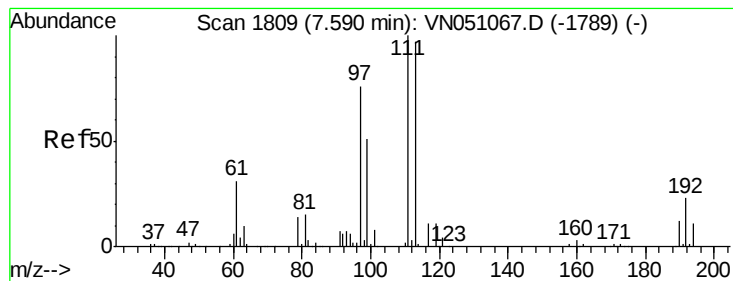
Tot Ion: 65 Resp: 377007
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion: 114 Resp: 968786
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.8
 88 15.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.35 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

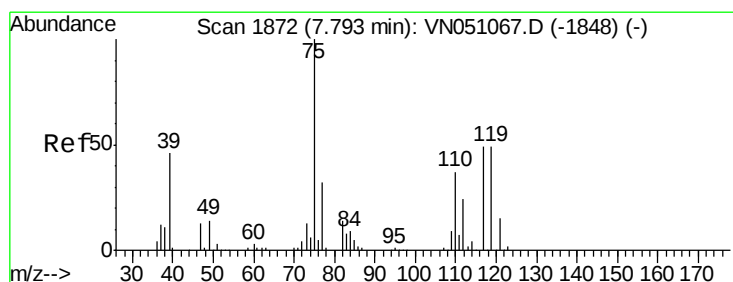
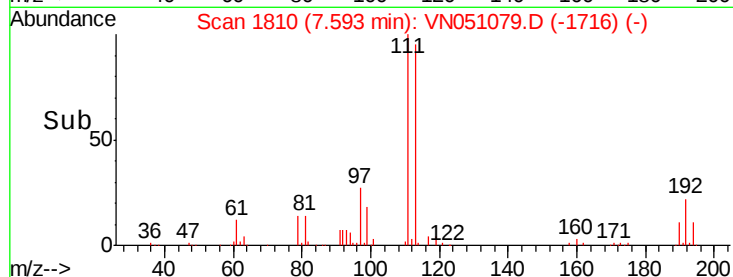
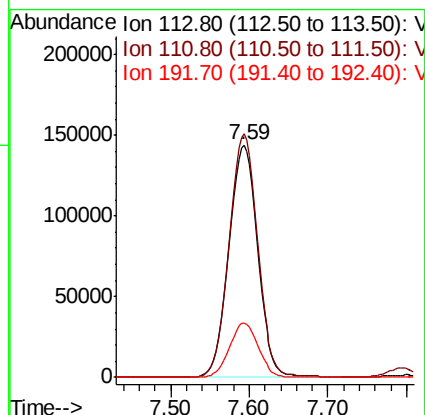
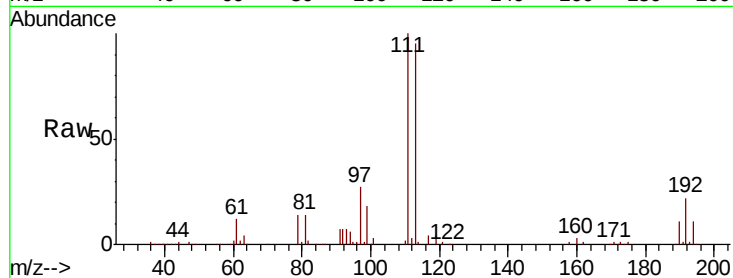
Tot Ion:113 Resp: 366552

Ion Ratio Lower Upper

113 100

111 103.8 83.0 124.6

192 23.2 18.7 28.1



#36

1,1-Dichloropropene

Concen: 19.42 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

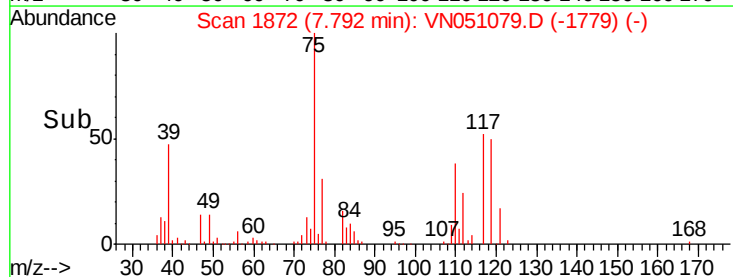
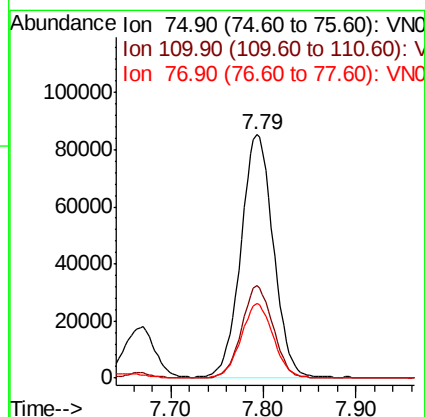
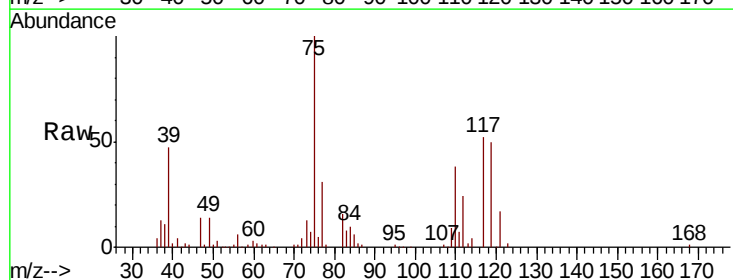
Tgt Ion: 75 Resp: 206557

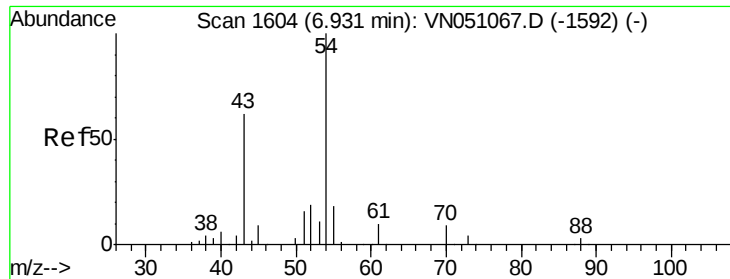
Ion Ratio Lower Upper

75 100

110 36.7 18.6 55.8

77 30.8 25.2 37.8

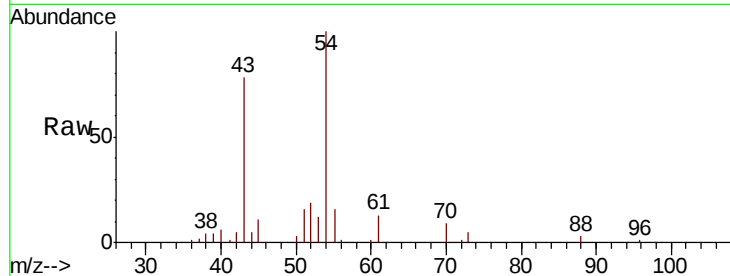




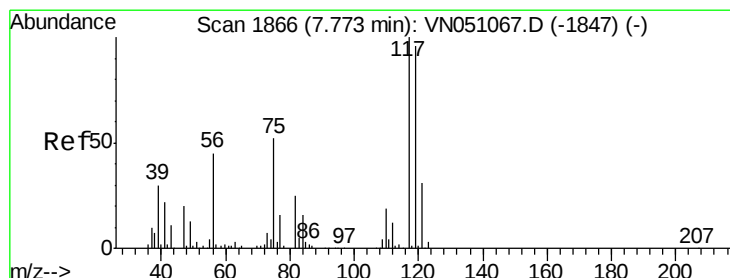
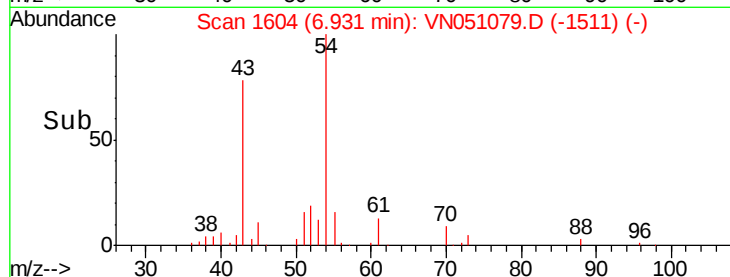
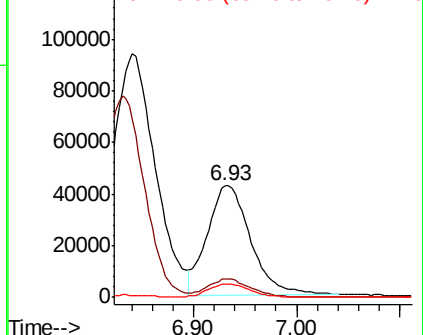
#37
Ethyl Acetate
Concen: 20.28 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion: 43 Resp: 124933
Ion Ratio Lower Upper
43 100
61 15.9 12.4 18.6
70 11.8 9.3 13.9

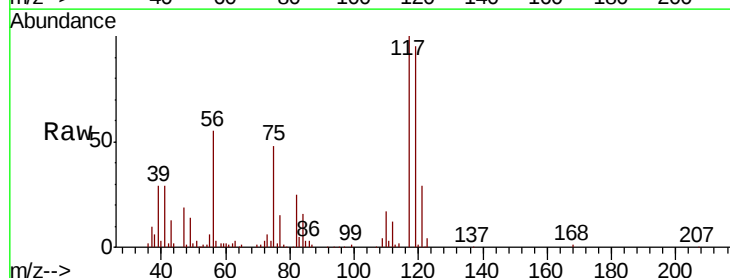


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

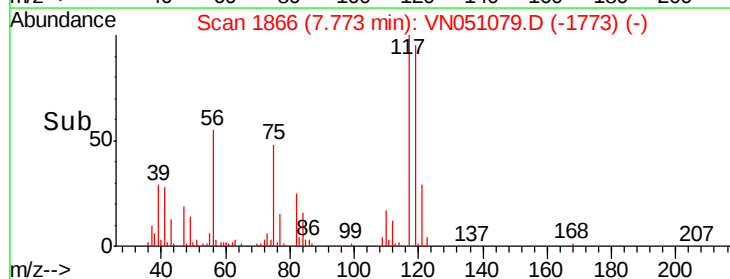
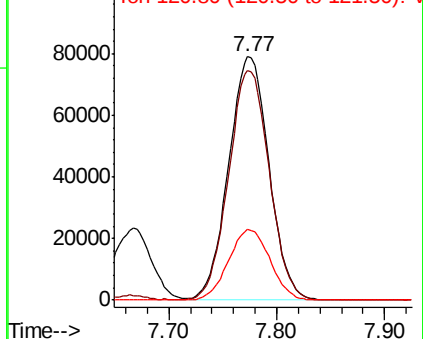


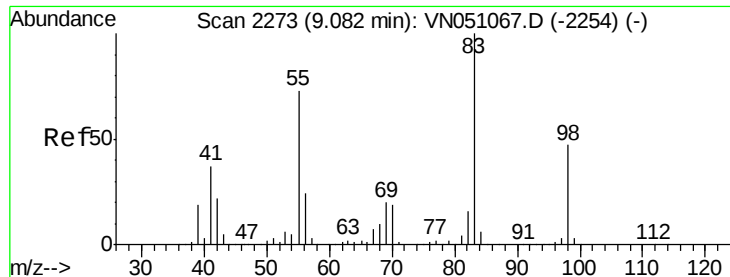
#38
Carbon Tetrachloride
Concen: 19.65 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion: 117 Resp: 205723
Ion Ratio Lower Upper
117 100
119 94.5 76.8 115.2
121 29.0 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

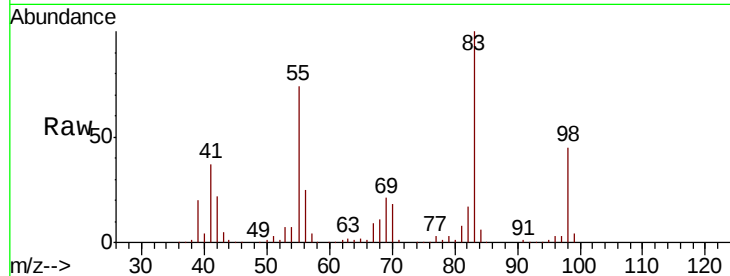




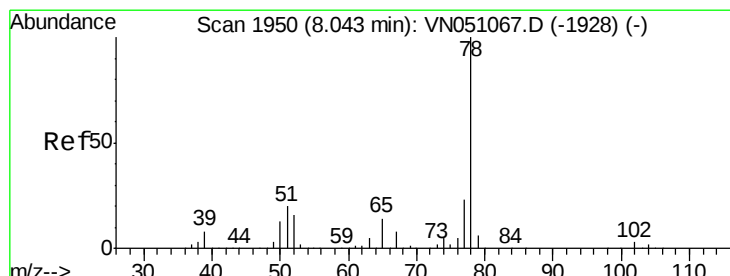
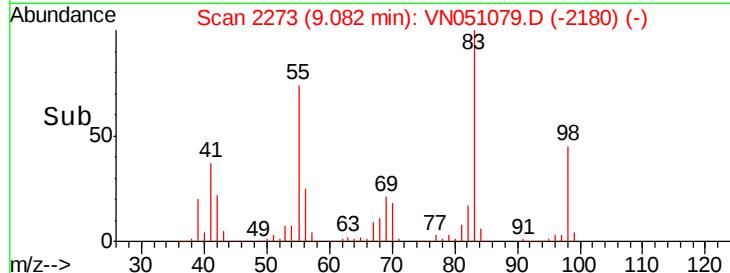
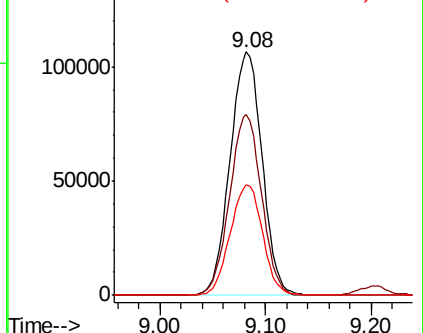
#39
Methvlcvclohexane
Concen: 19.14 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion: 83 Resp: 224612
Ion Ratio Lower Upper
83 100
55 74.3 58.4 87.6
98 45.2 37.3 55.9

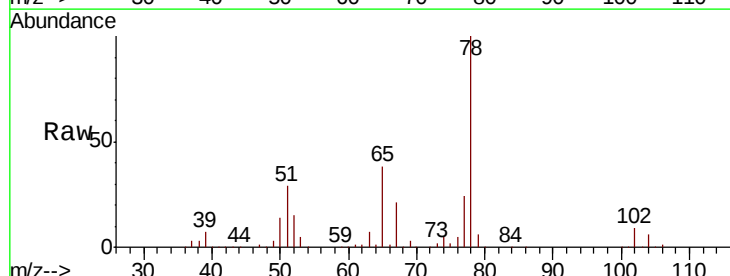


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

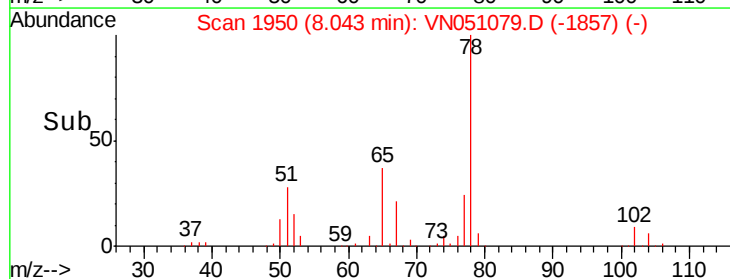
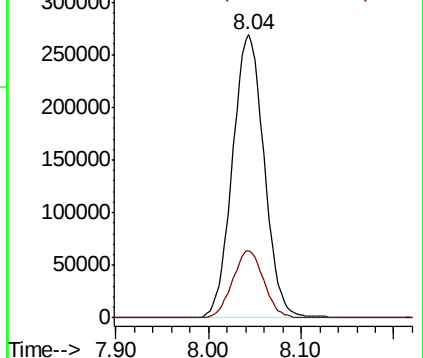


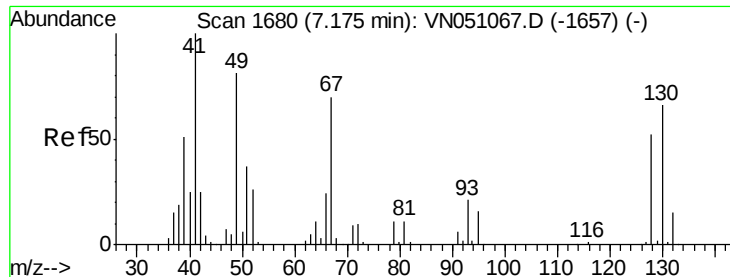
#40
Benzene
Concen: 19.88 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion: 78 Resp: 637091
Ion Ratio Lower Upper
78 100
77 23.8 18.6 27.8



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

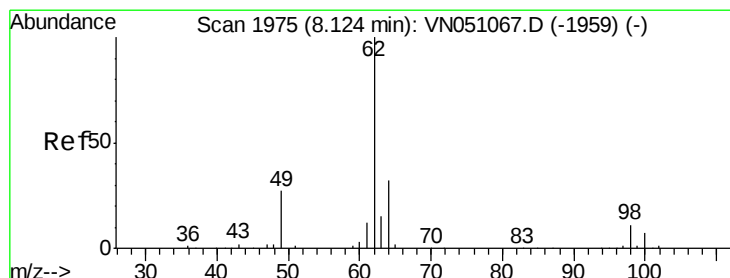
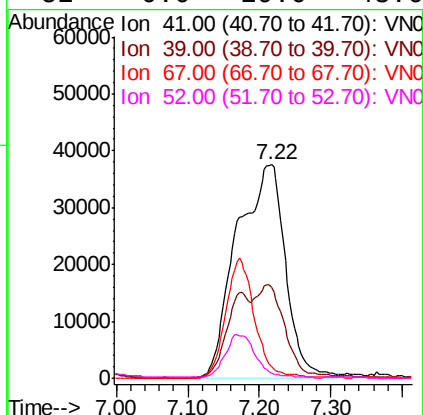
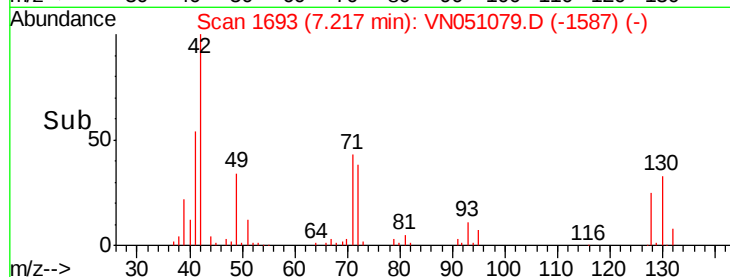
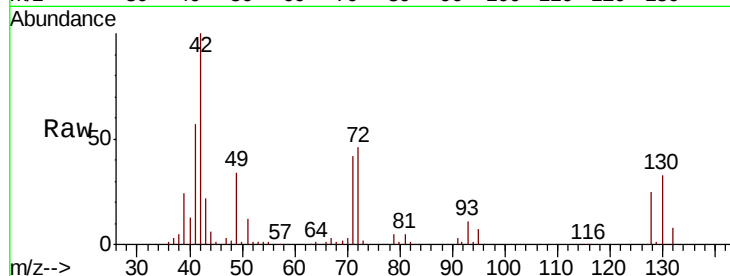




#41
Methacrylonitrile
Concen: 55.87 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.04 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

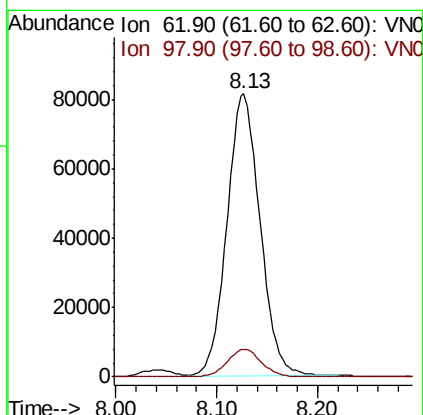
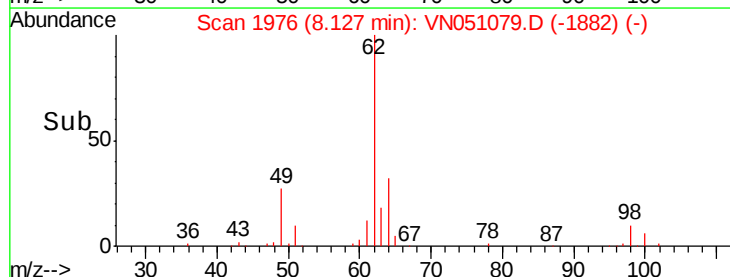
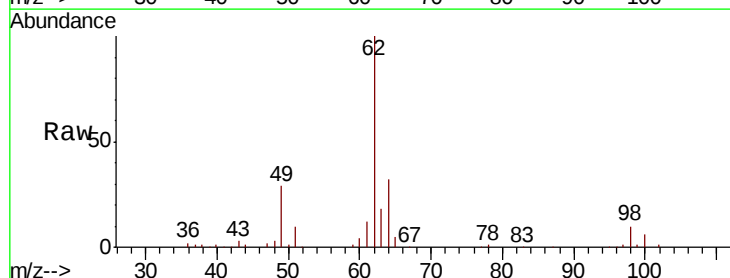
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

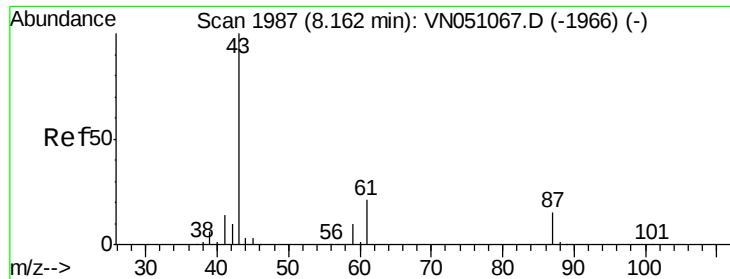
Tot Ion: 41 Resp: 177564
Ion Ratio Lower Upper
41 100
39 0.0 51.3 76.9#
67 0.0 78.5 117.7#
52 0.0 29.0 43.6#



#42
1,2-Dichloroethane
Concen: 19.95 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion: 62 Resp: 186418
Ion Ratio Lower Upper
62 100
98 10.2 0.0 21.0





#43

Isopropyl Acetate

Concen: 19.98 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

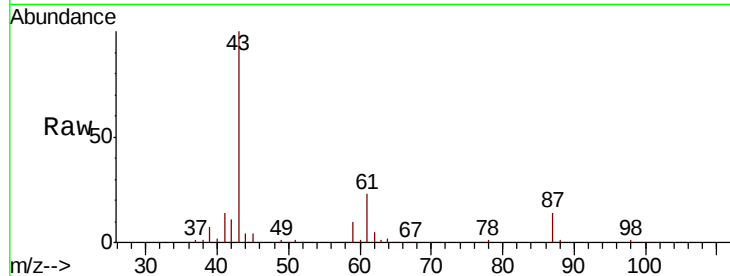
Tot Ion: 43 Resp: 217222

Ion Ratio Lower Upper

43 100

61 31.8 25.0 37.6

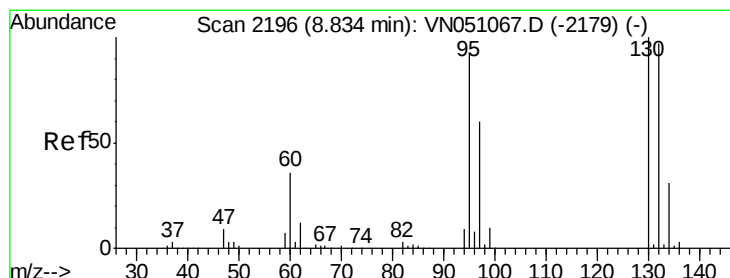
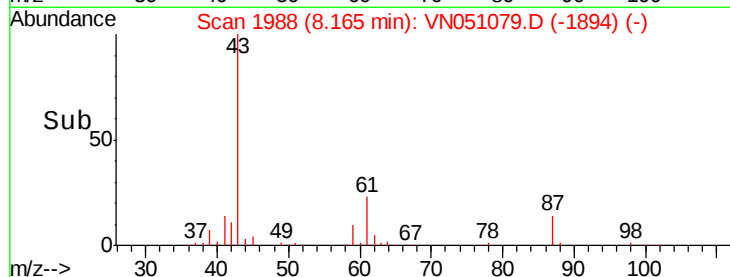
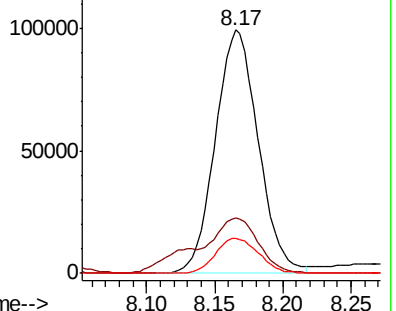
87 14.6 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN051067.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN051067.D (-1966) (-)



#44

Trichloroethene

Concen: 19.11 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051079.D

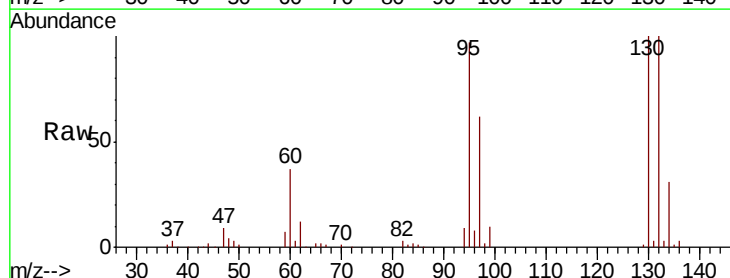
Acq: 10 Sep 2018 15:45

Tgt Ion:130 Resp: 167563

Ion Ratio Lower Upper

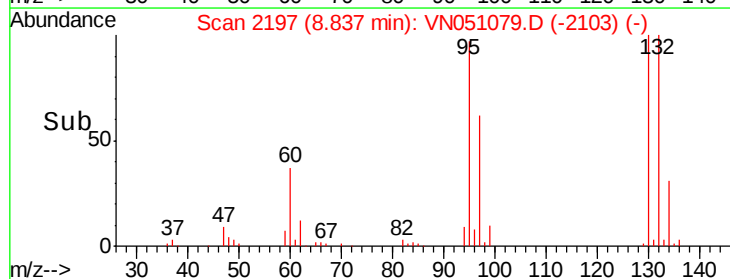
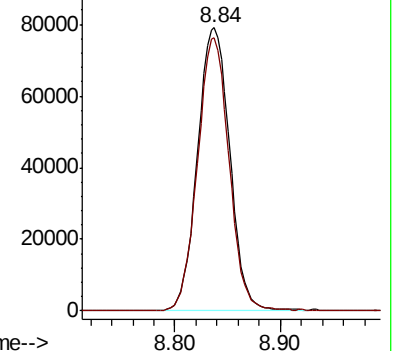
130 100

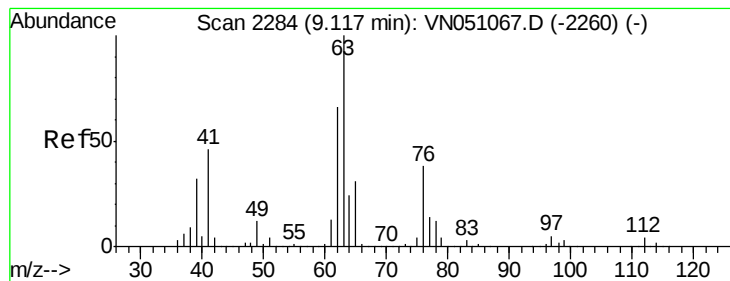
95 96.6 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051067.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 19.59 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

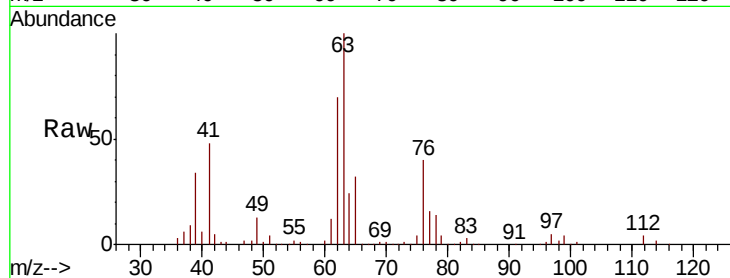
VN0910WBS01

Tot Ion: 63 Resp: 162271

Ion Ratio Lower Upper

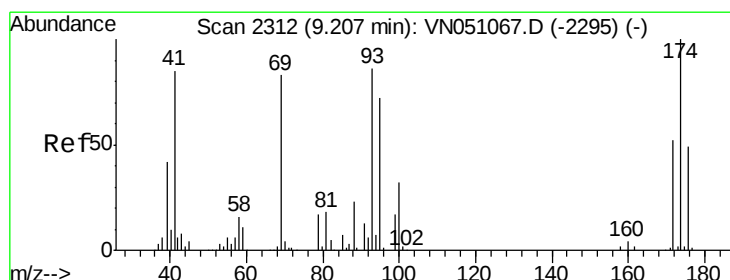
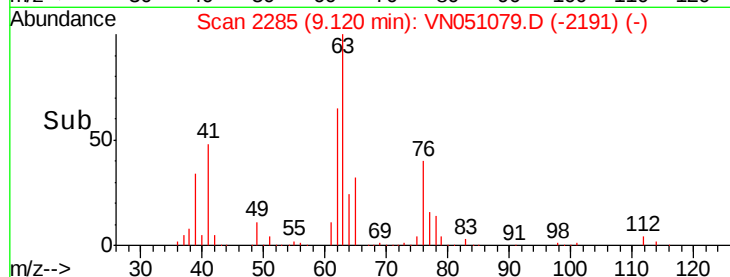
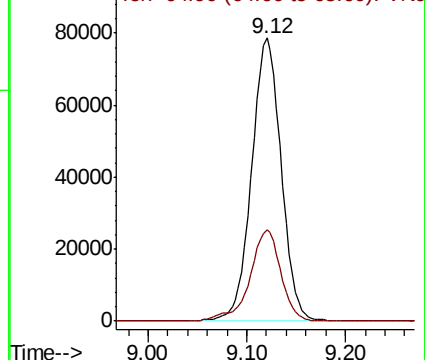
63 100

65 32.3 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.77 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

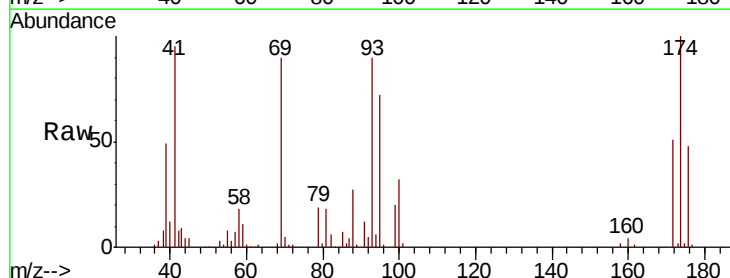
Tgt Ion: 93 Resp: 99918

Ion Ratio Lower Upper

93 100

95 82.6 66.8 100.2

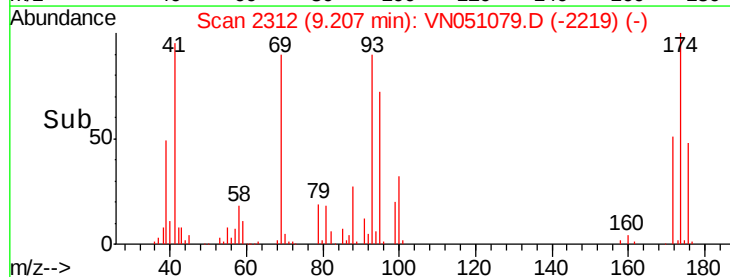
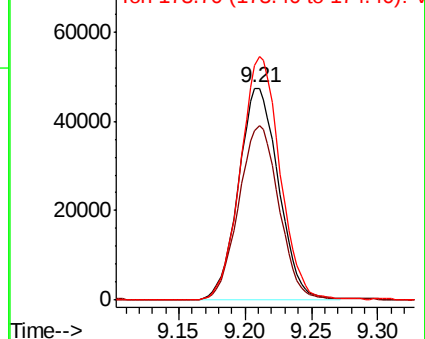
174 113.2 93.3 139.9



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.58 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS01

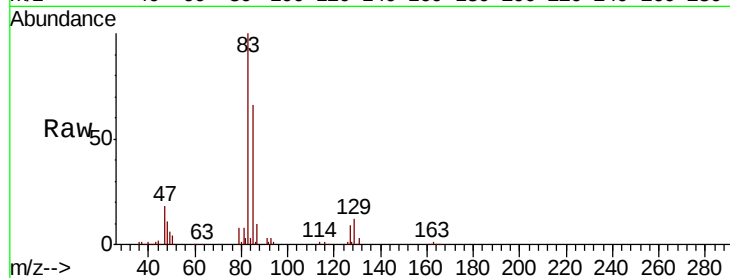
Tot Ion: 83 Resp: 201219

Ion Ratio Lower Upper

83 100

85 66.2 52.3 78.5

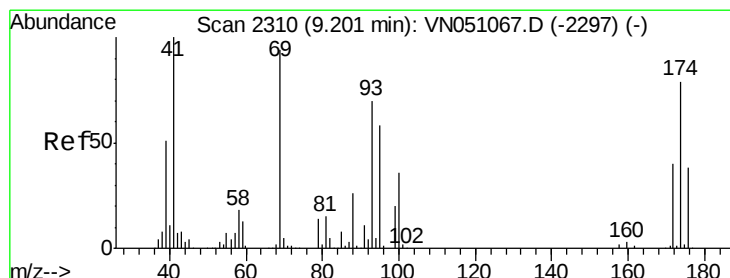
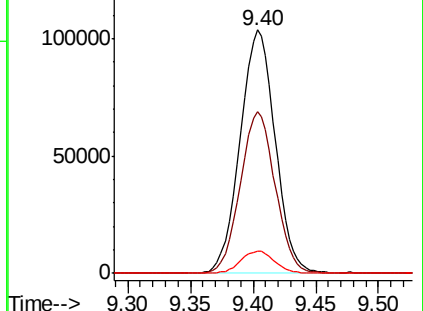
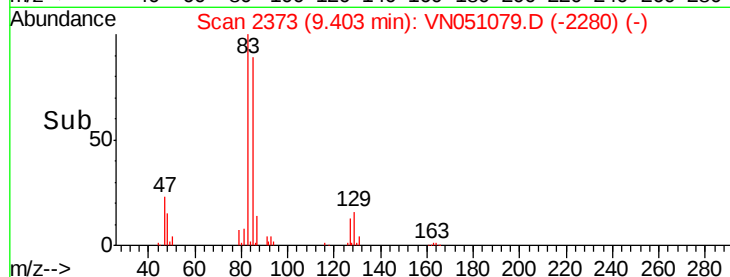
127 9.4 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.90 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

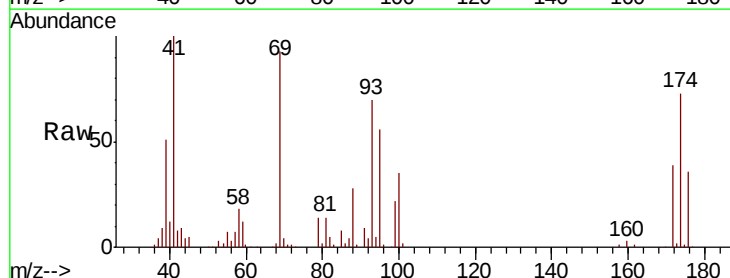
Tgt Ion: 41 Resp: 105399

Ion Ratio Lower Upper

41 100

69 96.5 77.7 116.5

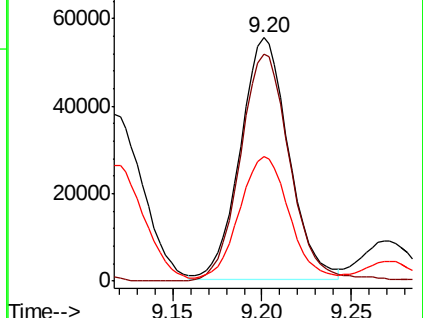
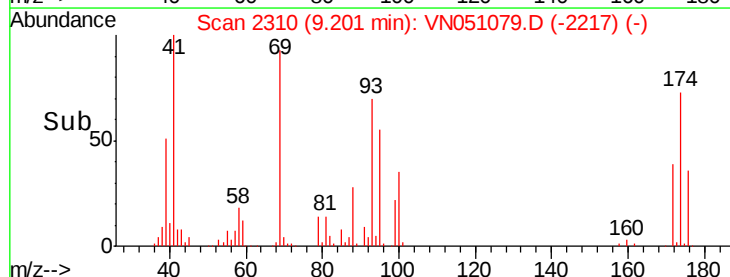
39 52.8 41.6 62.4

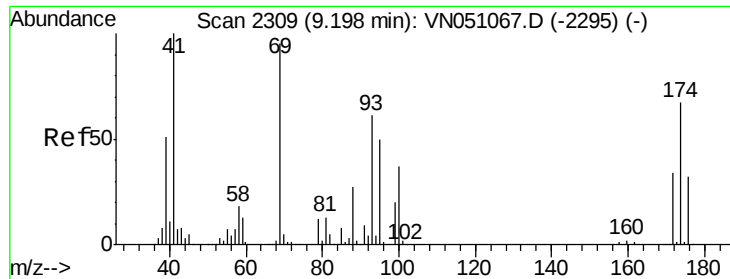


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 395.36 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

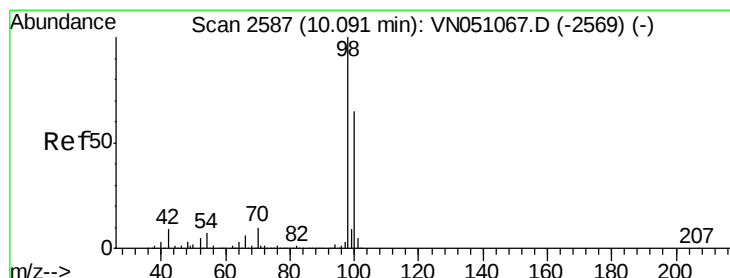
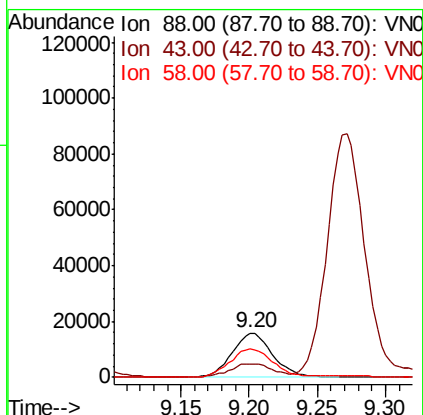
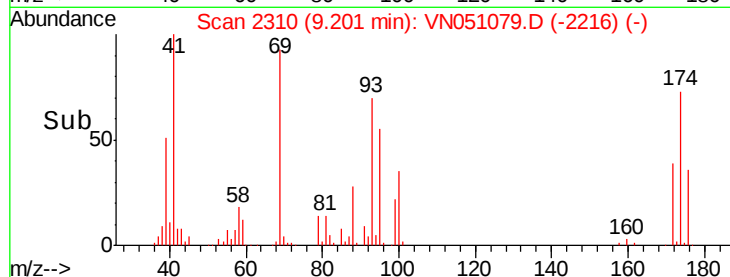
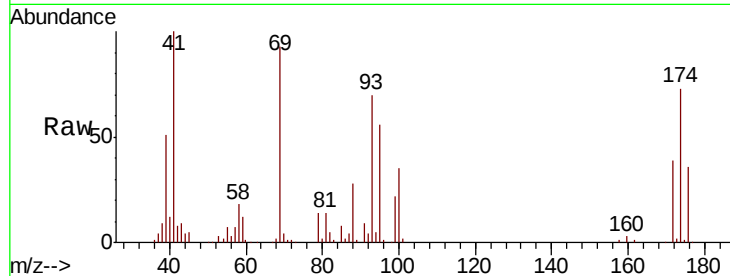
Tot Ion: 88 Resp: 32840

Ion Ratio Lower Upper

88 100

43 29.9 23.7 35.5

58 67.5 54.6 82.0



#50

Toluene-d8

Concen: 50.17 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051079.D

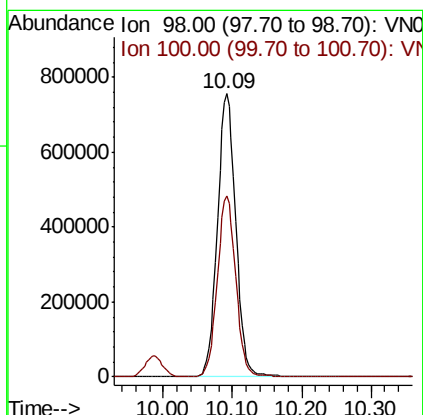
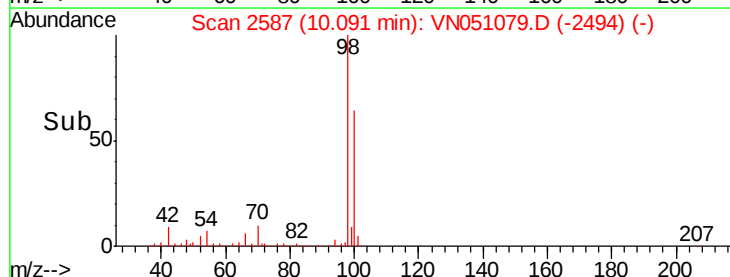
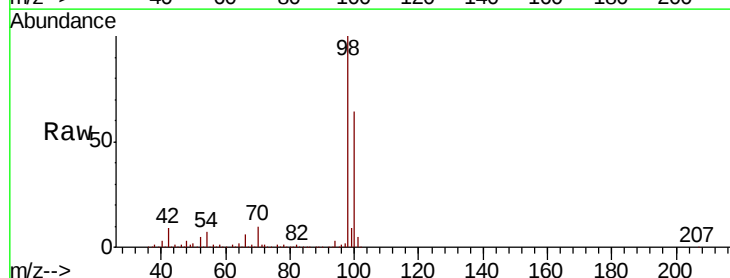
Acq: 10 Sep 2018 15:45

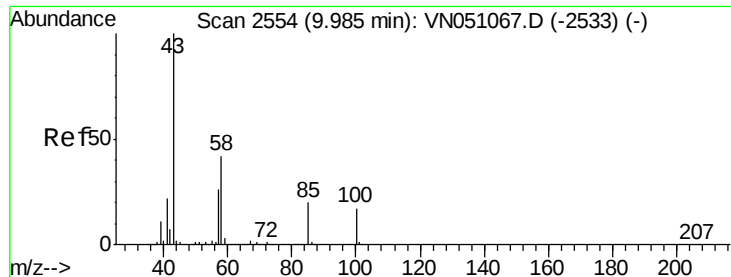
Tgt Ion: 98 Resp: 1385773

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0

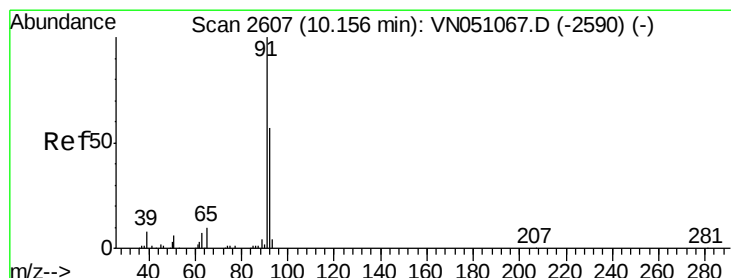
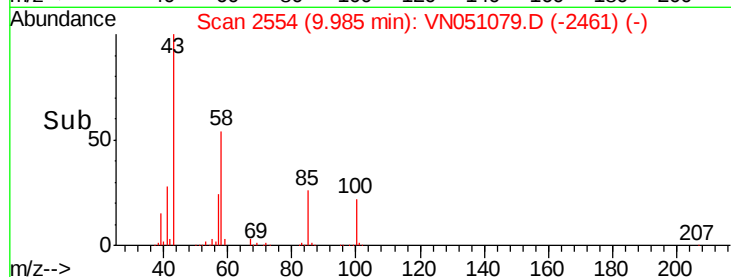
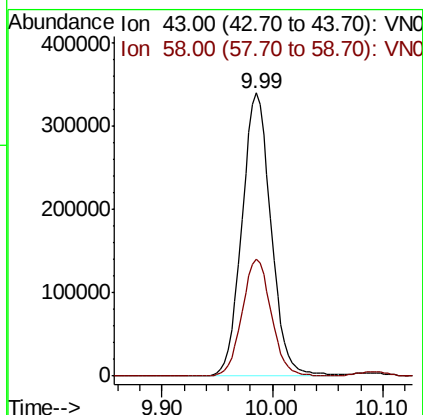
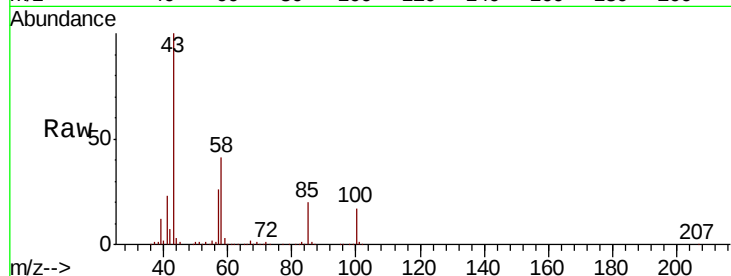




#51
 4-Methyl-2-Pentanone
 Concen: 103.22 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

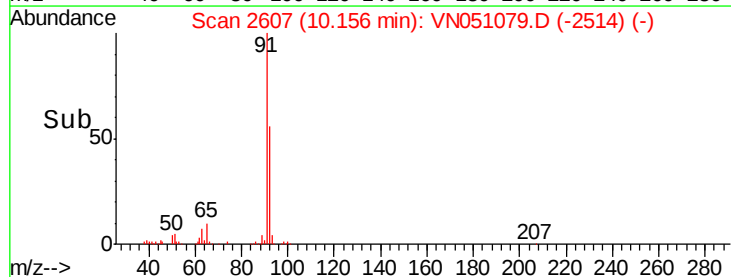
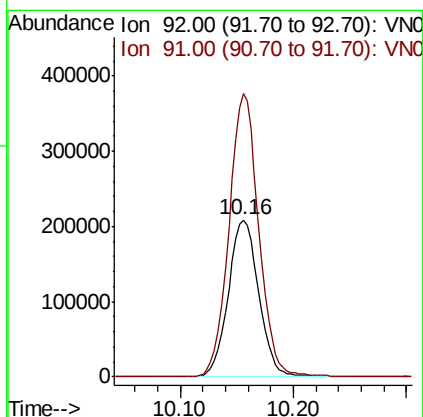
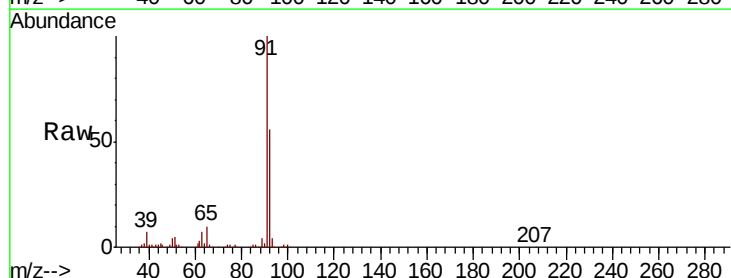
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

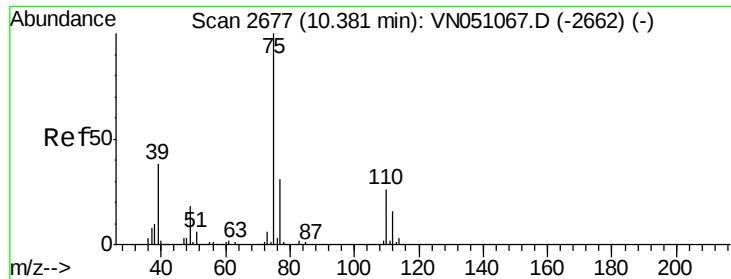
Tot Ion: 43 Resp: 620424
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.5 50.3



#52
 Toluene
 Concen: 19.99 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion: 92 Resp: 390642
 Ion Ratio Lower Upper
 92 100
 91 176.4 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 19.21 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

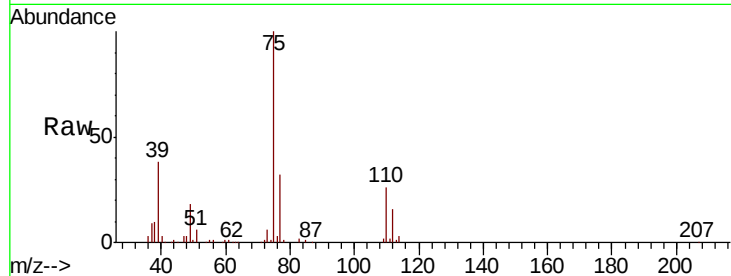
VN0910WBS01

Tot Ion: 75 Resp: 197558

Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

120000

100000

80000

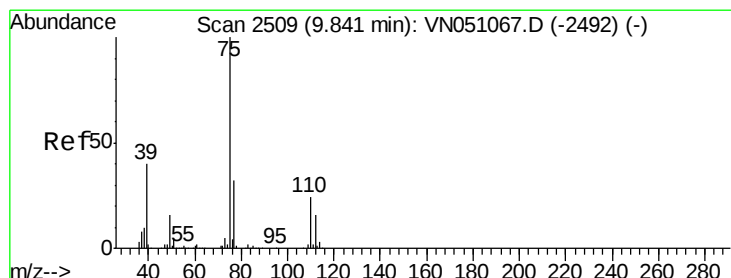
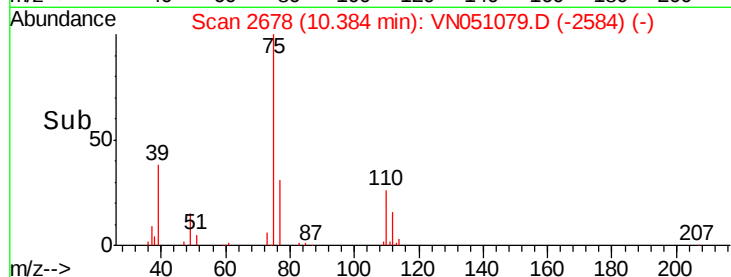
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.91 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

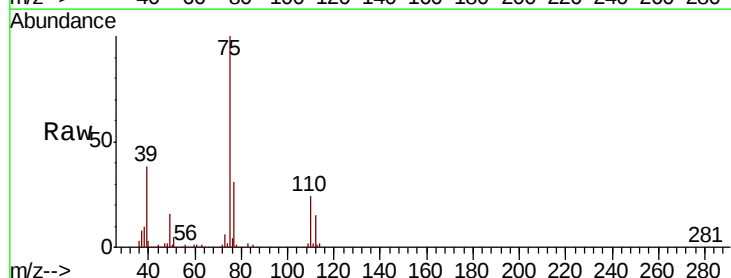
Tgt Ion: 75 Resp: 240024

Ion Ratio Lower Upper

75 100

77 30.9 25.7 38.5

39 37.9 31.9 47.9



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

9.84

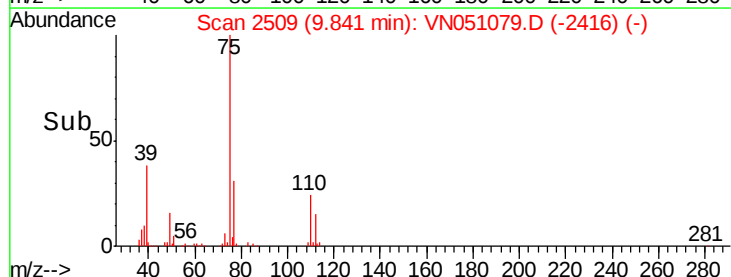
150000

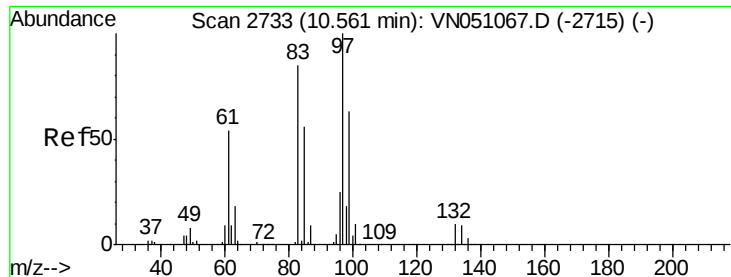
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.13 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion: 97 Resp: 142942

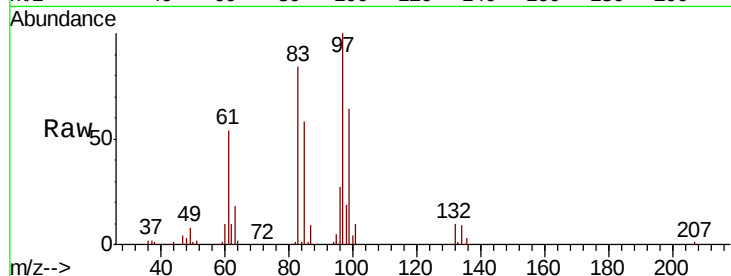
Ion Ratio Lower Upper

97 100

83 83.9 68.2 102.2

85 57.5 44.8 67.2

99 63.8 50.2 75.4

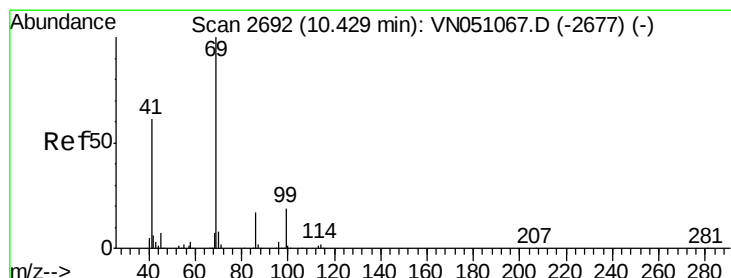
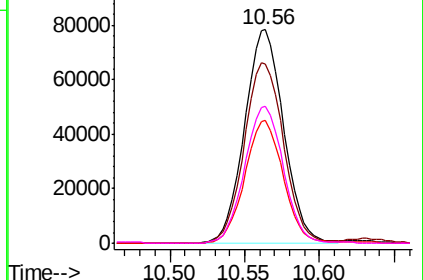
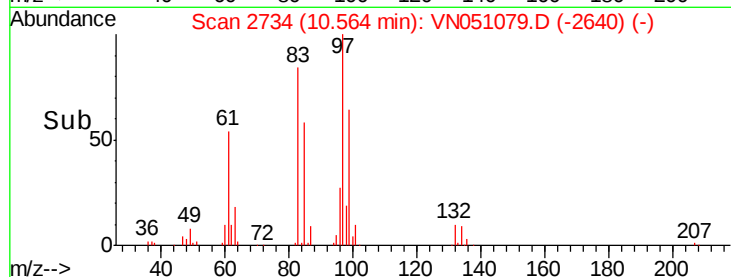


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.63 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

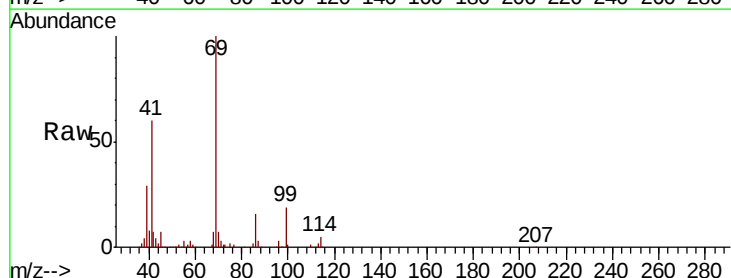
Tgt Ion: 69 Resp: 172046

Ion Ratio Lower Upper

69 100

41 59.6 47.8 71.8

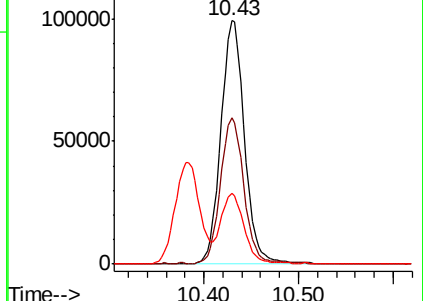
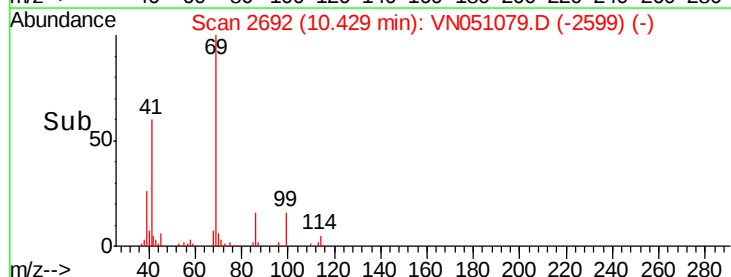
39 28.0 23.0 34.4



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.17 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampled :

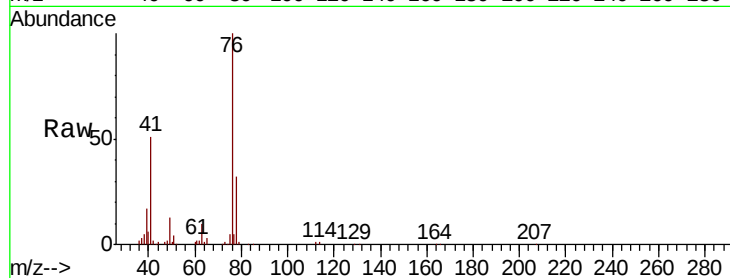
VN0910WBS01

Tot Ion: 76 Resp: 237443

Ion Ratio Lower Upper

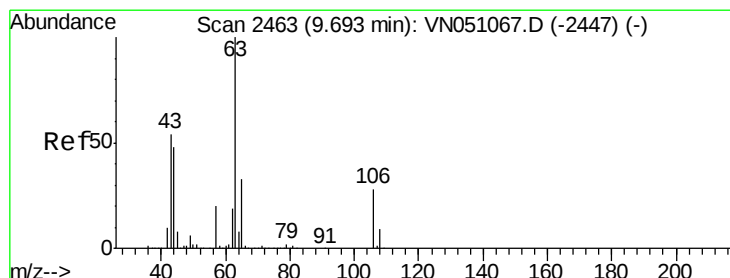
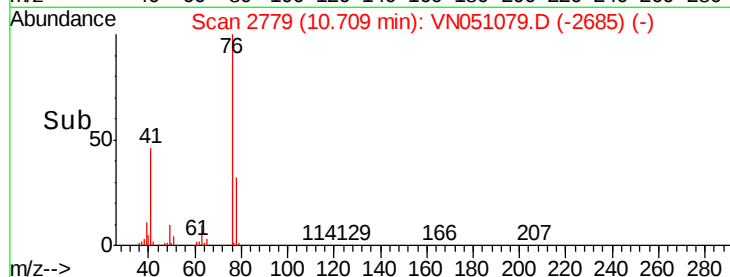
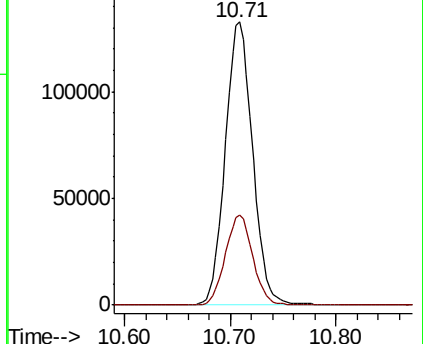
76 100

78 32.2 26.1 39.1



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: 96.58 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051079.D

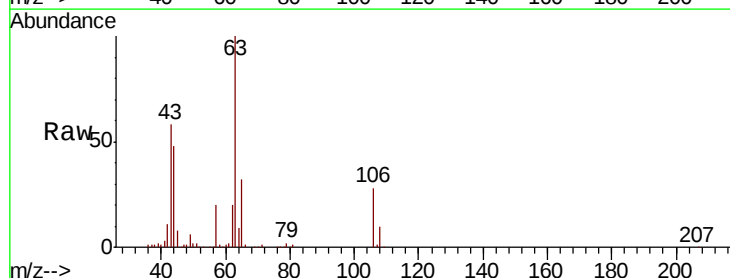
Acq: 10 Sep 2018 15:45

Tgt Ion: 63 Resp: 346937

Ion Ratio Lower Upper

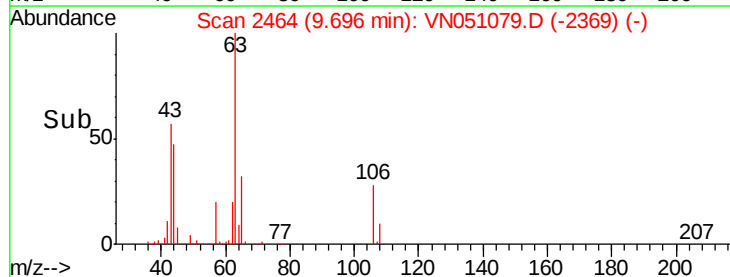
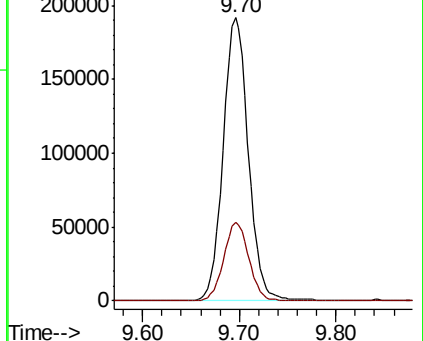
63 100

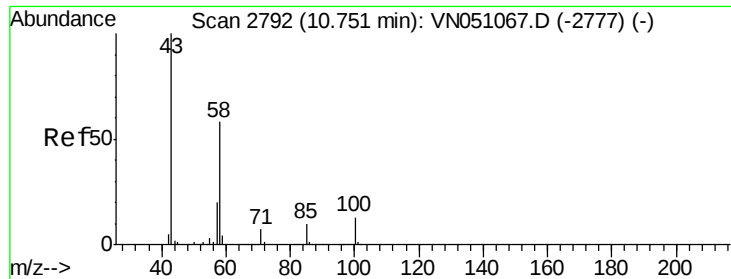
106 27.7 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

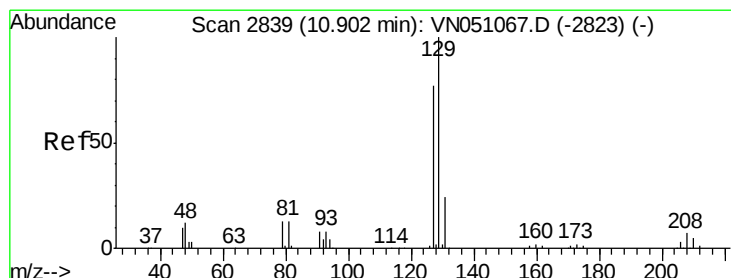
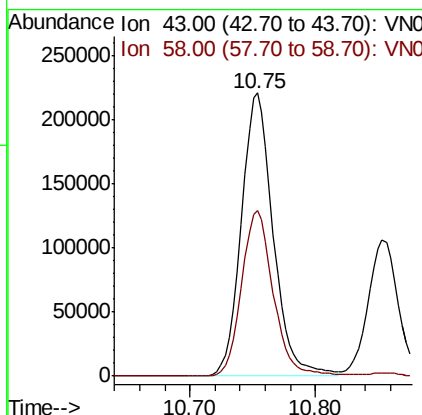
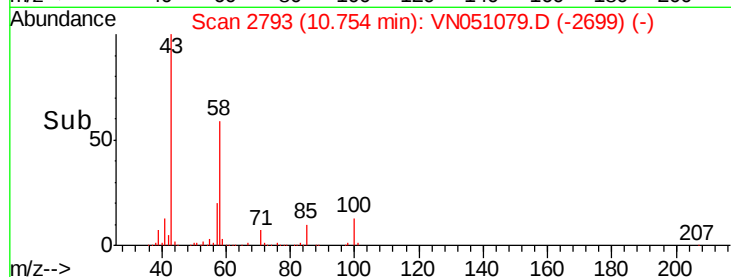
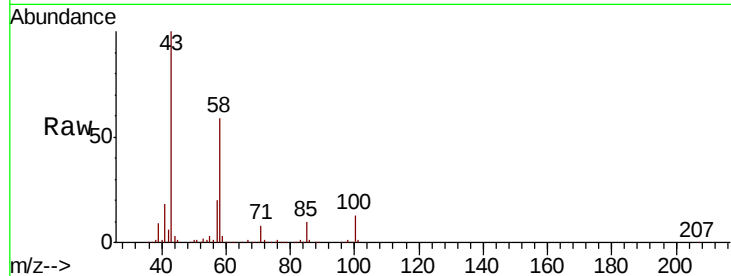




#59
2-Hexanone
Concen: 95.54 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

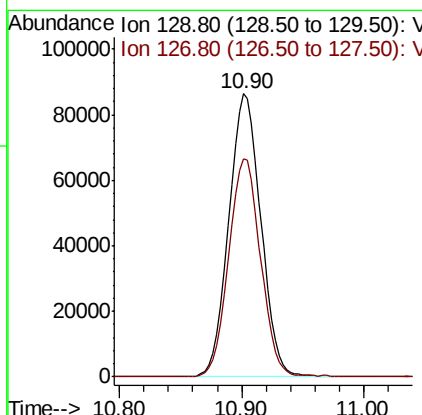
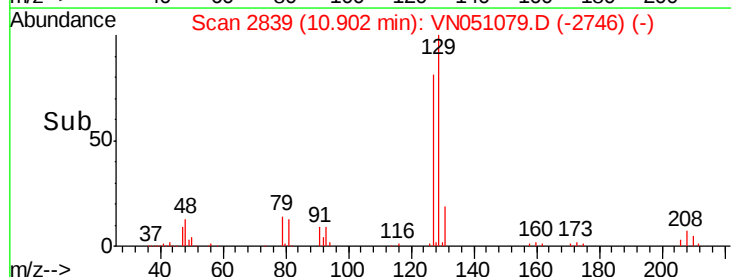
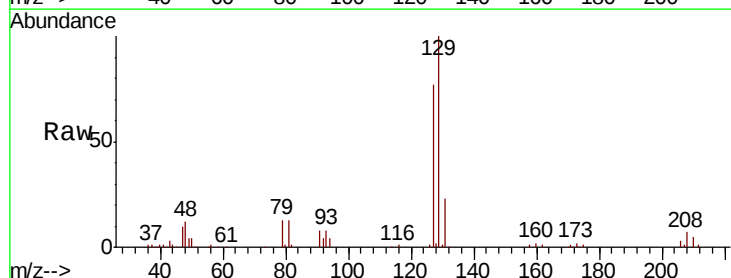
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

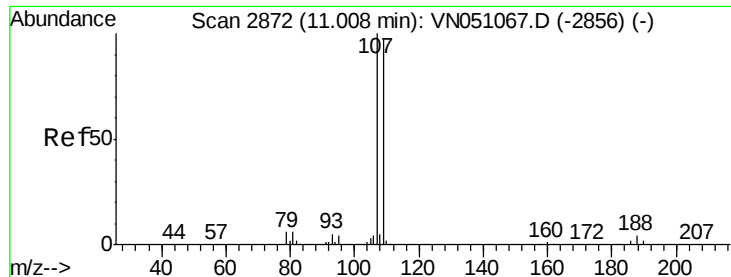
Tot Ion: 43 Resp: 389450
Ion Ratio Lower Upper
43 100
58 58.5 29.3 88.0



#60
Dibromochloromethane
Concen: 19.79 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion: 129 Resp: 158352
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.96 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

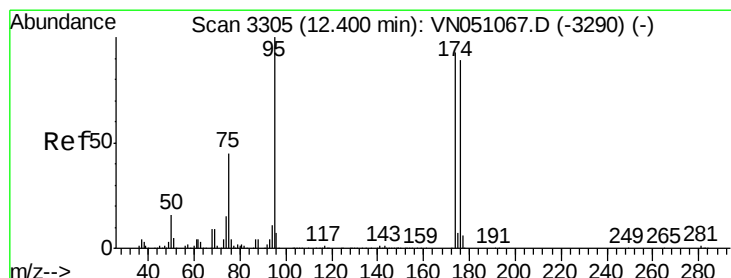
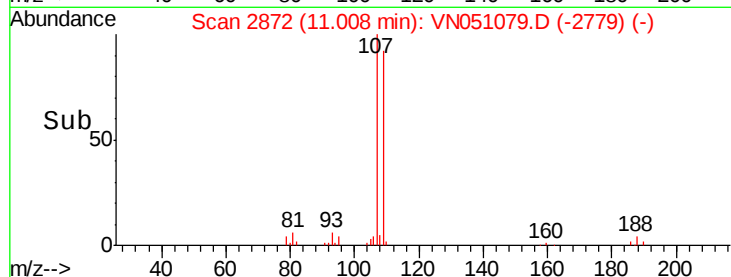
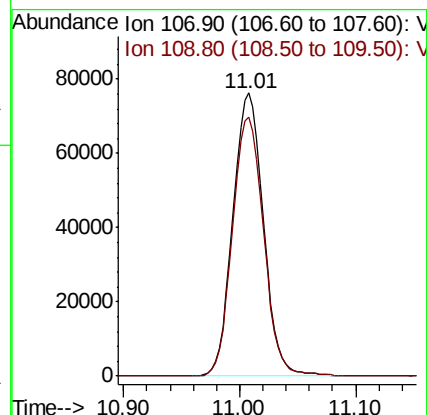
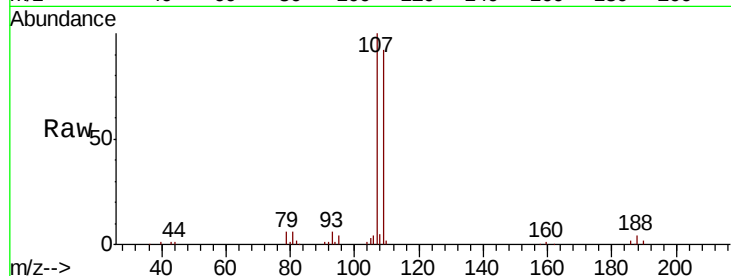
VN0910WBS01

Tot Ion:107 Resp: 138512

Ion Ratio Lower Upper

107 100

109 93.5 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 49.02 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

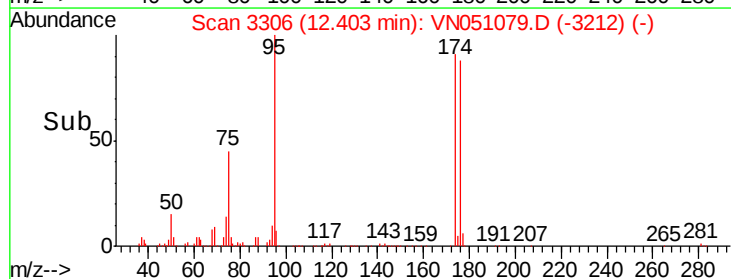
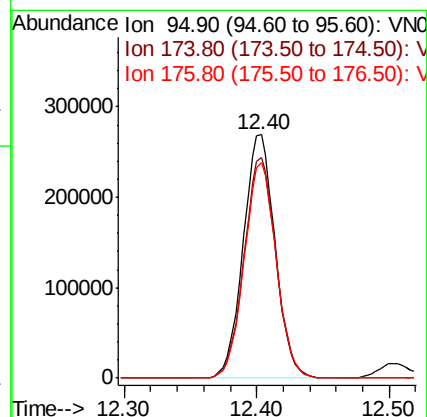
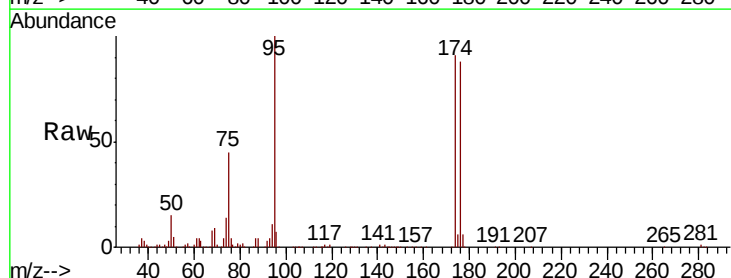
Tgt Ion: 95 Resp: 447942

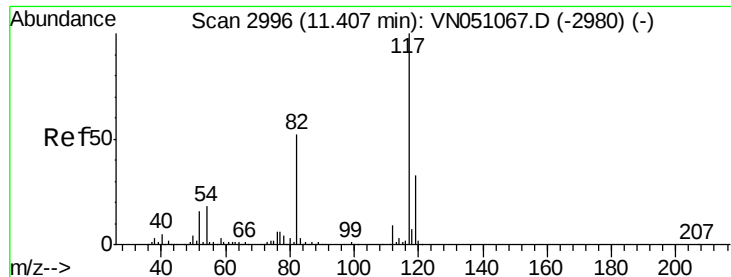
Ion Ratio Lower Upper

95 100

174 91.2 0.0 184.8

176 88.9 0.0 178.6

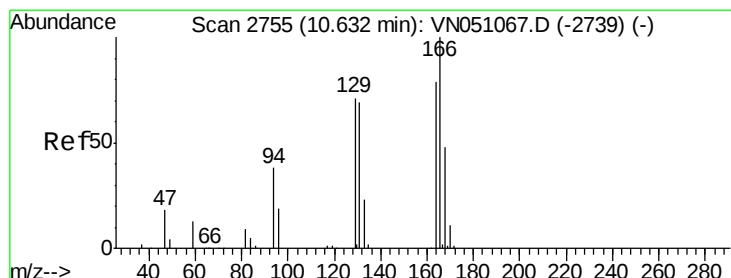
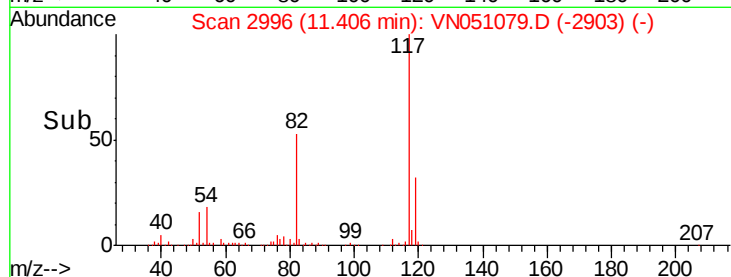
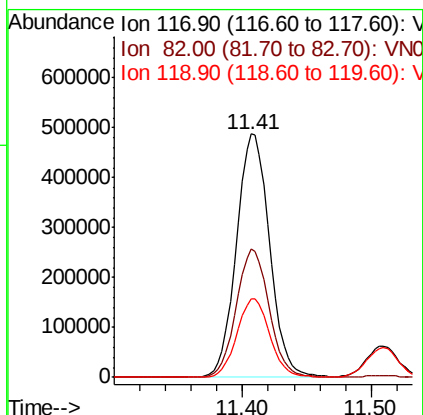
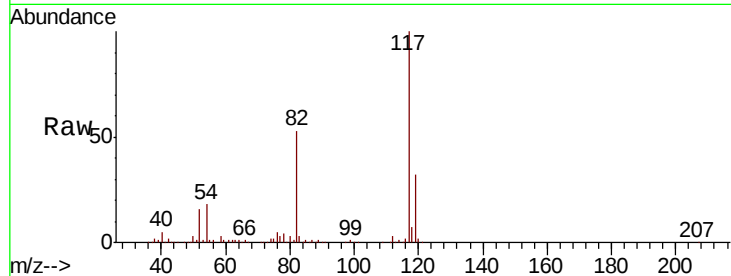




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

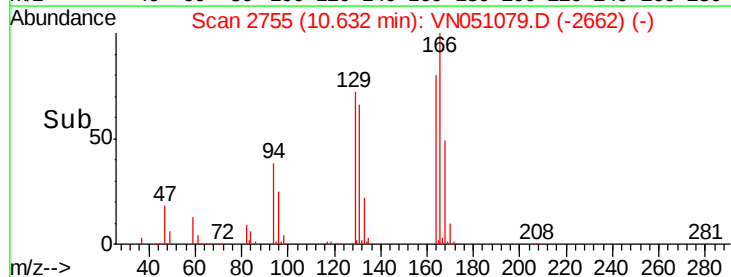
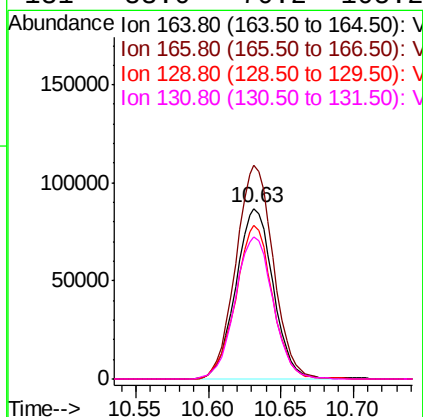
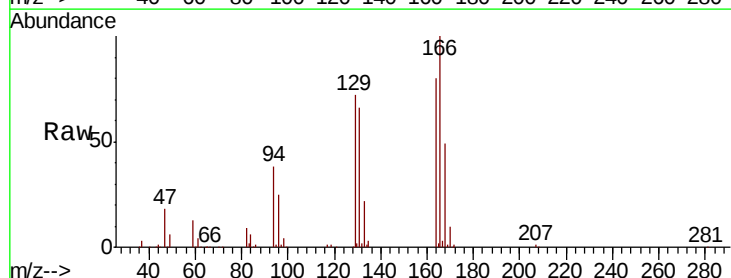
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

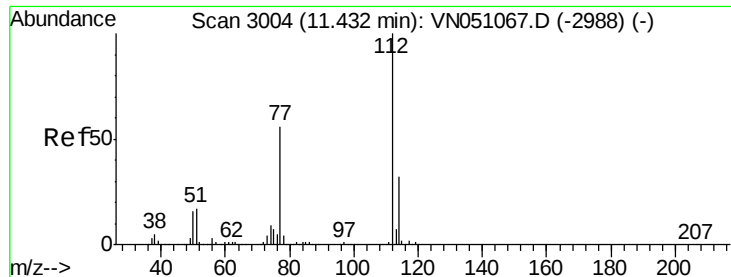
Tot Ion:117 Resp: 874012
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.6
119 32.3 26.2 39.2



#64
Tetrachloroethene
Concen: 19.50 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion:164 Resp: 155531
Ion Ratio Lower Upper
164 100
166 125.0 101.3 151.9
129 89.9 72.2 108.2
131 83.0 70.2 105.2





#65

Chlorobenzene

Concen: 19.35 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampled :

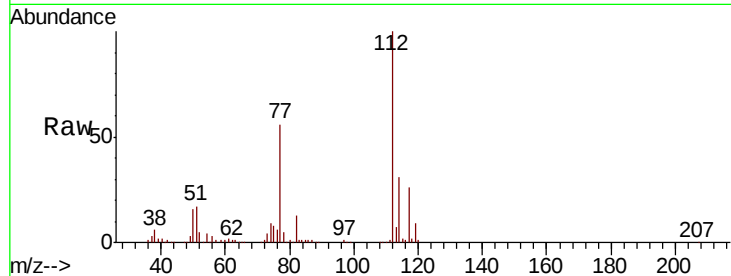
VN0910WBS01

Tot Ion:112 Resp: 426225

Ion Ratio Lower Upper

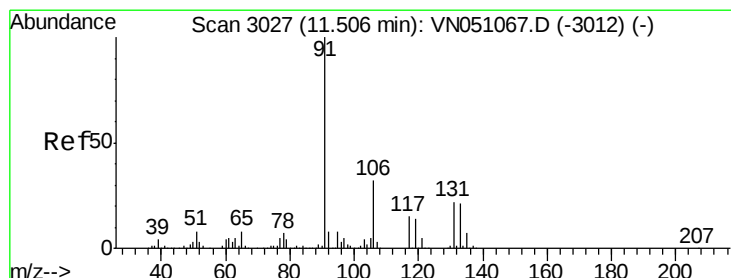
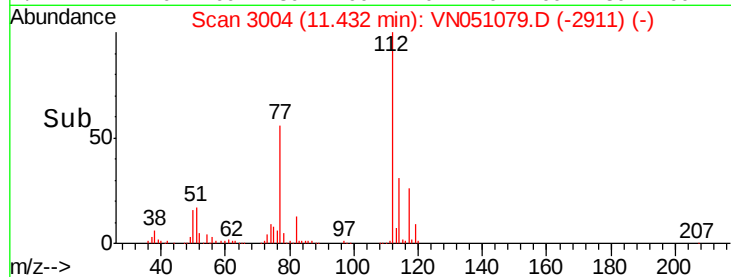
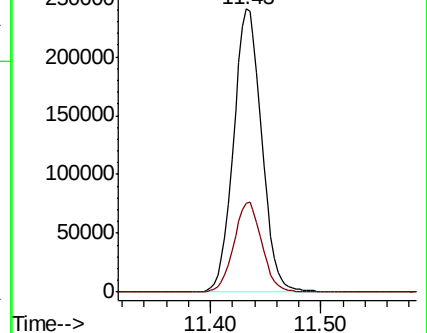
112 100

114 31.4 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.59 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

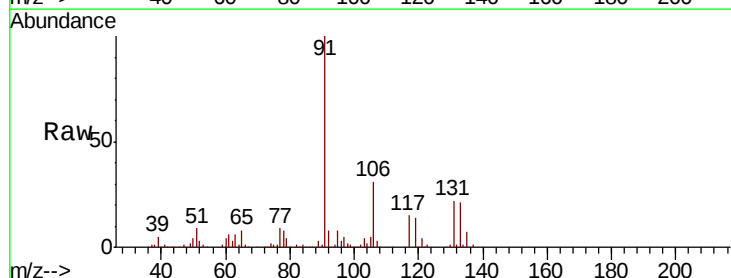
Tgt Ion:131 Resp: 155411

Ion Ratio Lower Upper

131 100

133 96.5 47.5 142.6

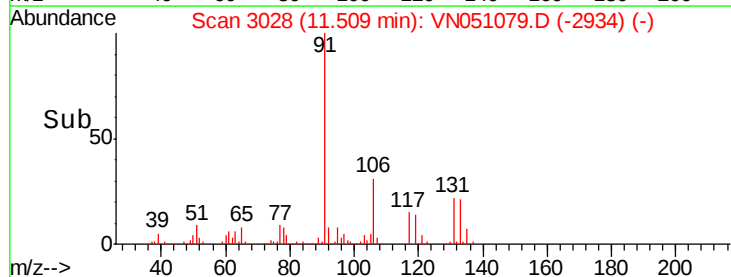
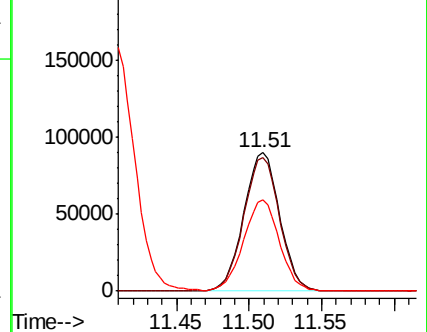
119 66.2 33.2 99.6

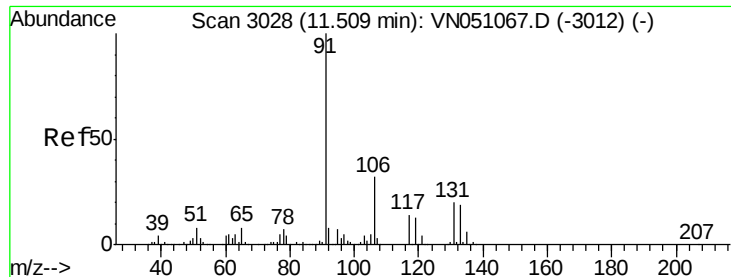


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

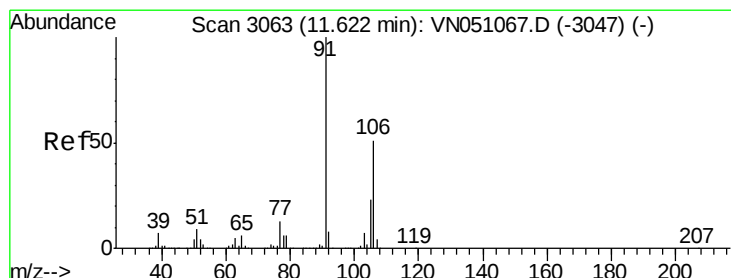
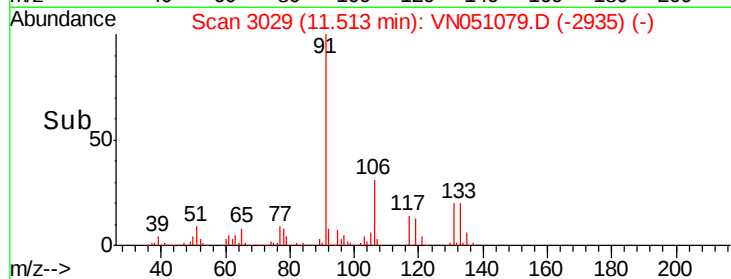
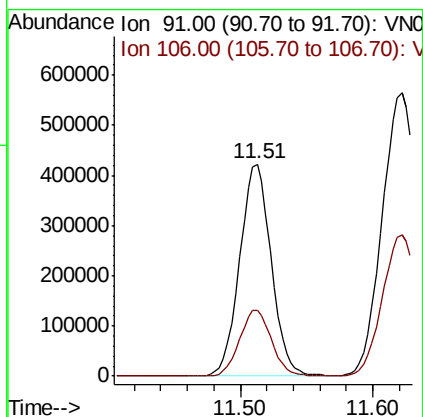
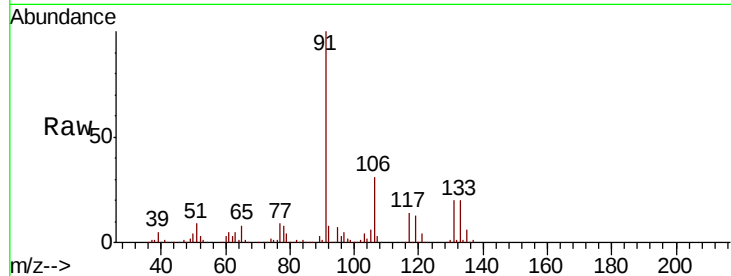




#67
Ethyl Benzene
Concen: 19.56 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

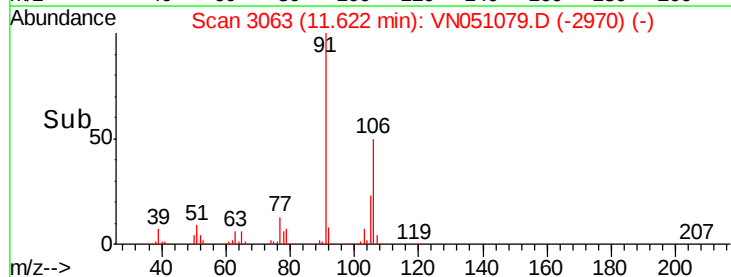
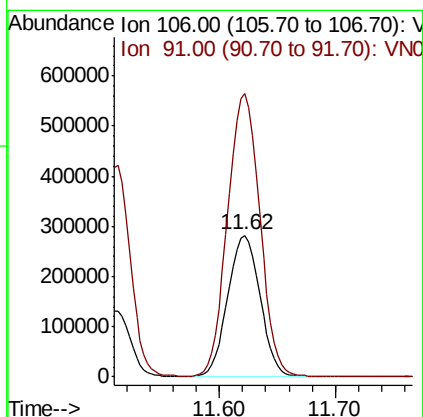
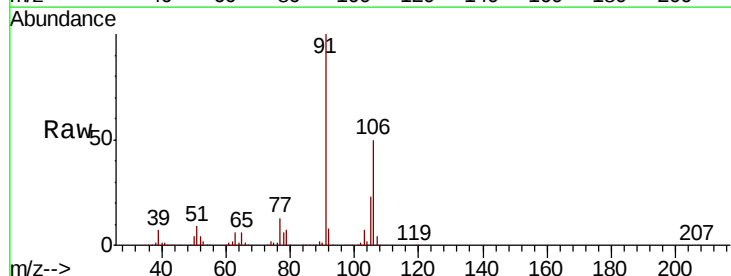
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

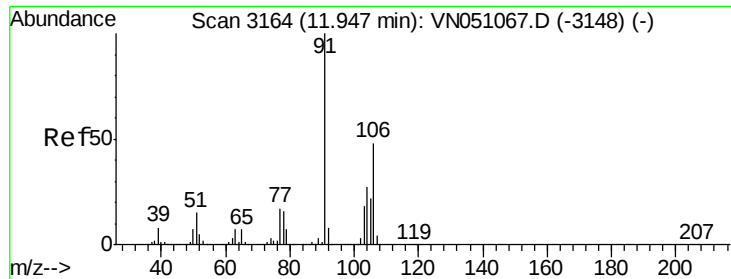
Tot Ion: 91 Resp: 697916
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.2



#68
m/p-Xylenes
Concen: 39.84 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion: 106 Resp: 546126
Ion Ratio Lower Upper
106 100
91 200.0 159.8 239.6

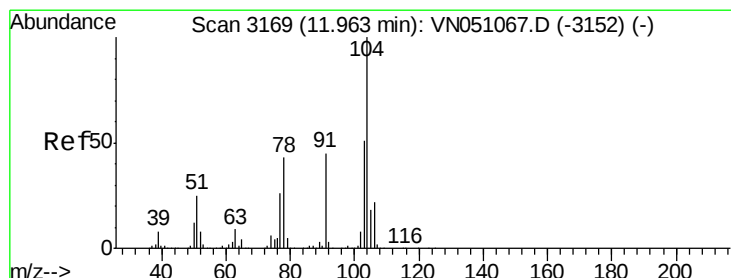
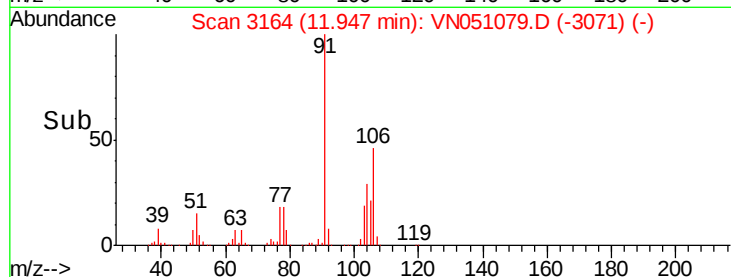
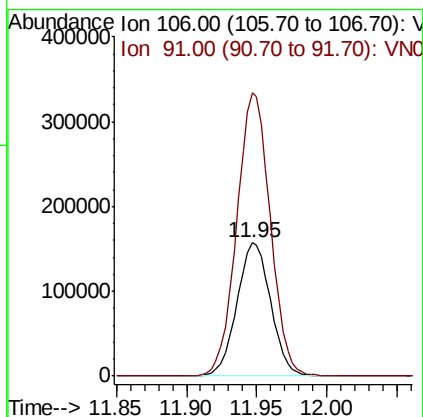
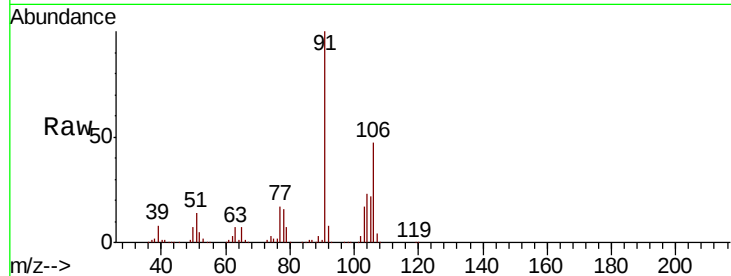




#69
o-Xylene
Concen: 19.87 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

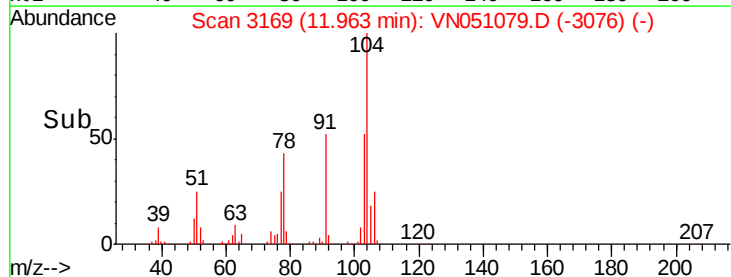
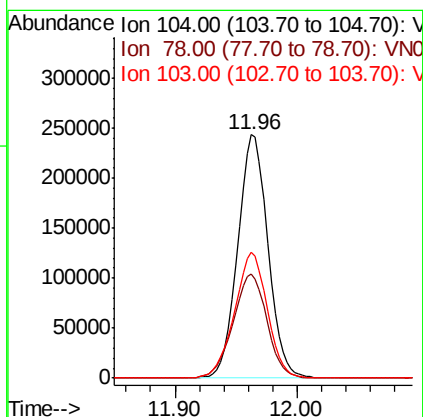
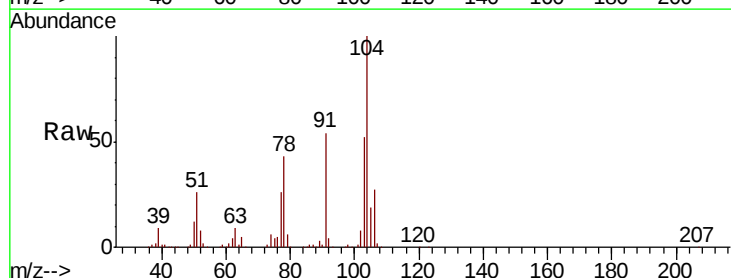
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

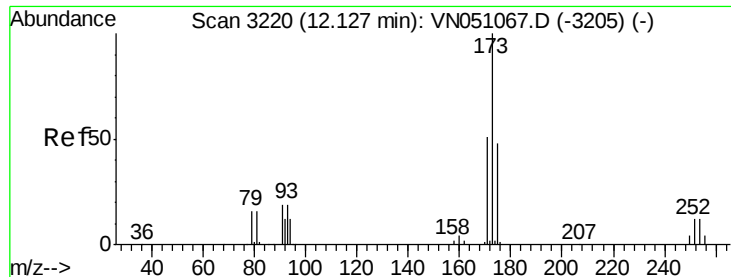
Tot Ion:106 Resp: 263756
Ion Ratio Lower Upper
106 100
91 211.4 105.1 315.1



#70
Styrene
Concen: 20.21 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion:104 Resp: 416235
Ion Ratio Lower Upper
104 100
78 48.0 37.7 56.5
103 56.2 44.6 67.0





#71

Bromoform

Concen: 19.67 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

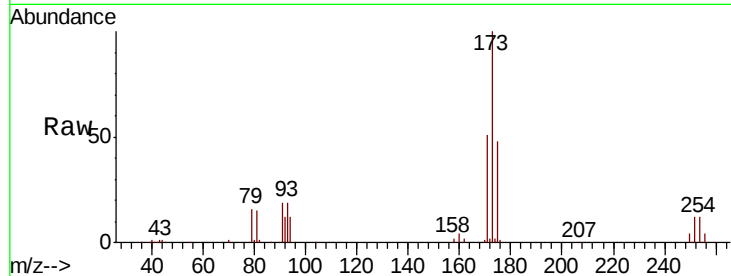
Tot Ion:173 Resp: 109870

Ion Ratio Lower Upper

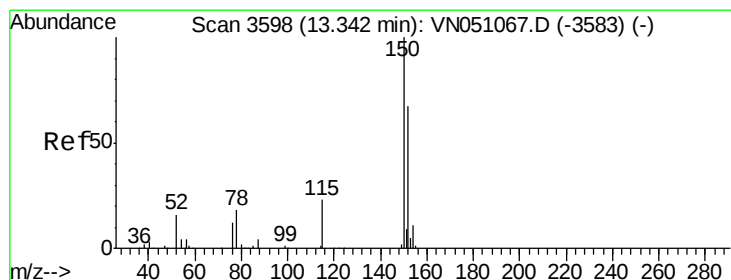
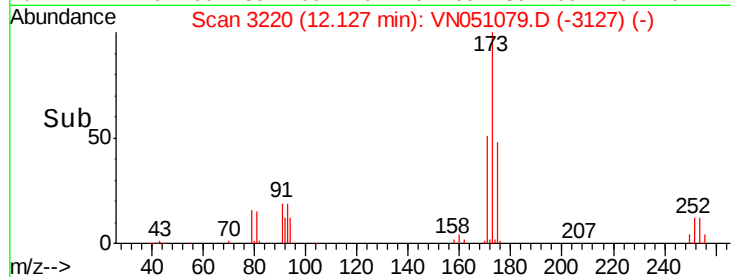
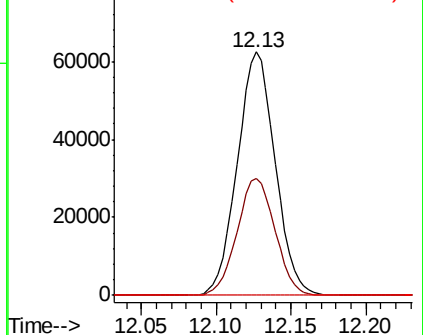
173 100

175 48.2 24.3 72.9

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

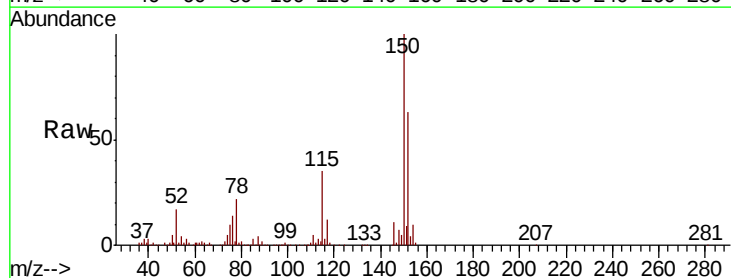
Tgt Ion:152 Resp: 416243

Ion Ratio Lower Upper

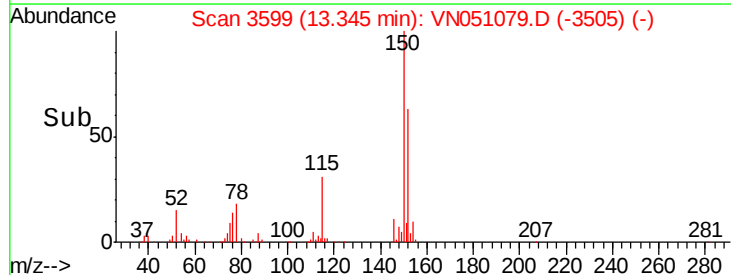
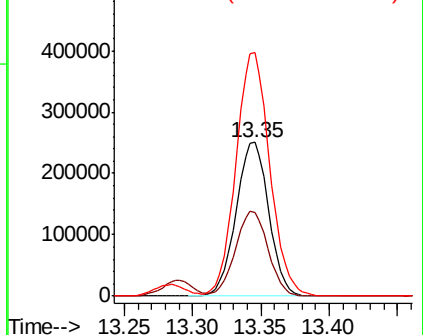
152 100

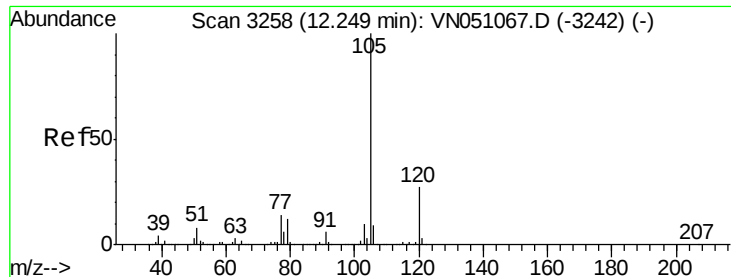
115 55.4 28.2 84.7

150 163.9 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

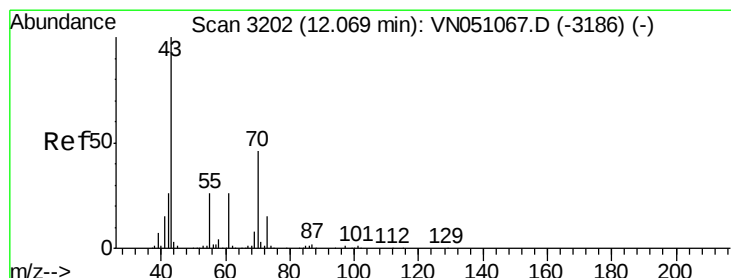
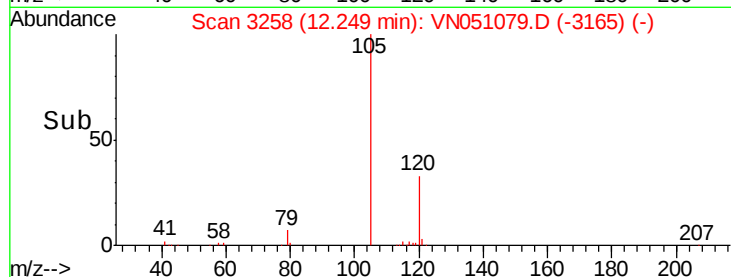
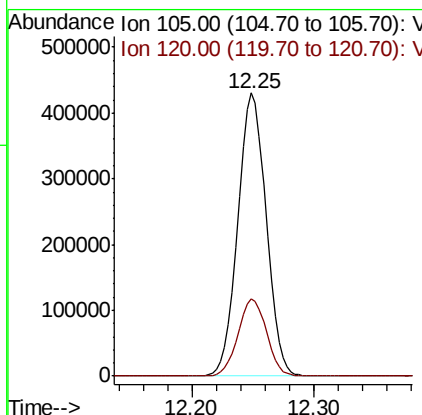
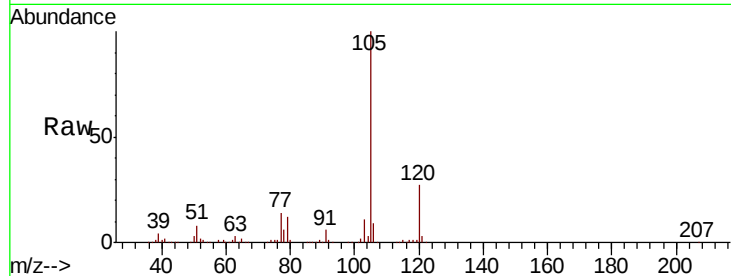




#73
Isopropylbenzene
Concen: 19.76 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

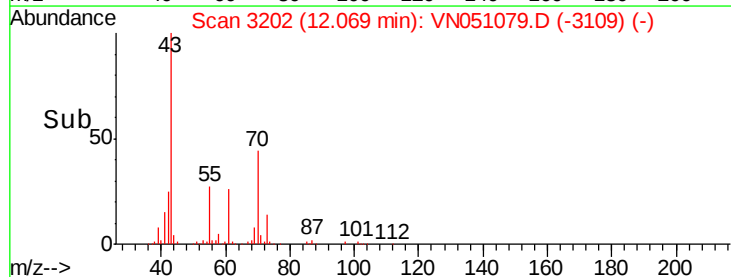
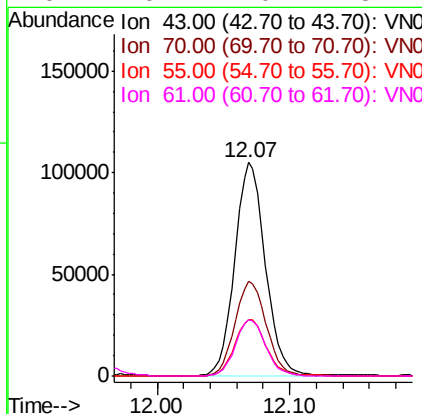
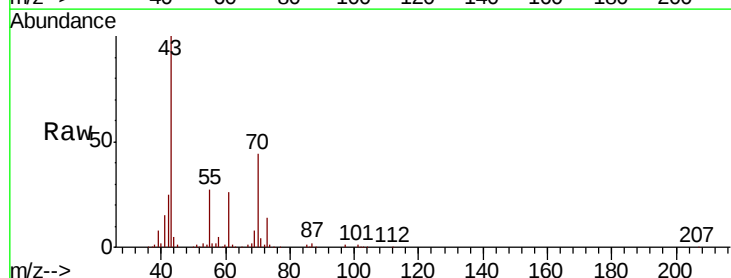
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

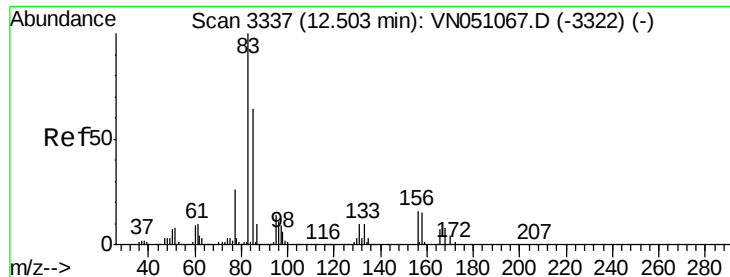
Tot Ion:105 Resp: 689824
Ion Ratio Lower Upper
105 100
120 27.4 13.6 40.7



#74
N-ethyl acetate
Concen: 19.23 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion: 43 Resp: 168942
Ion Ratio Lower Upper
43 100
70 45.2 37.0 55.4
55 27.3 21.3 31.9
61 26.1 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.44 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS01

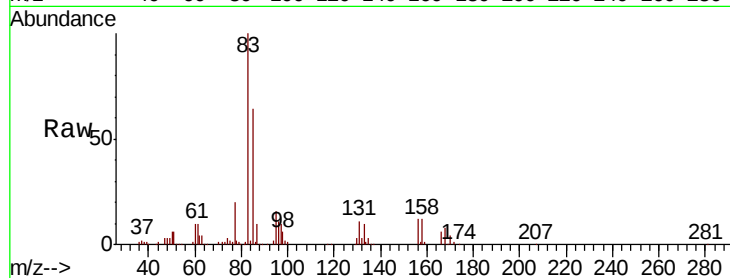
Tot Ion: 83 Resp: 178972

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

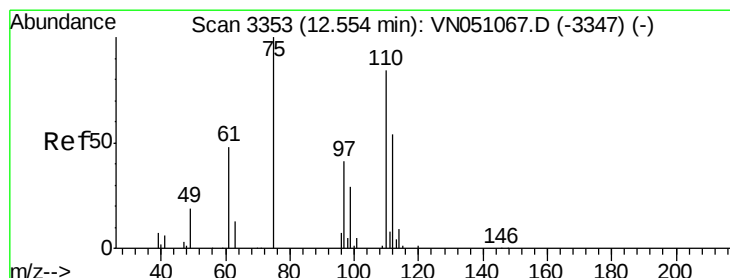
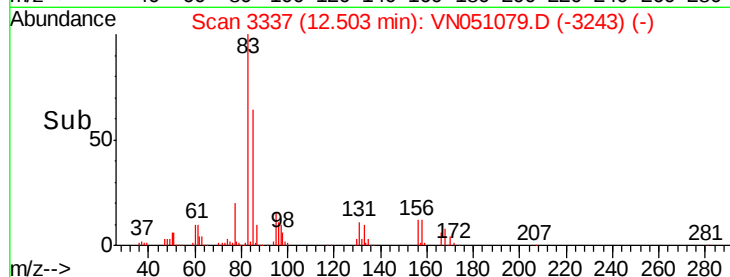
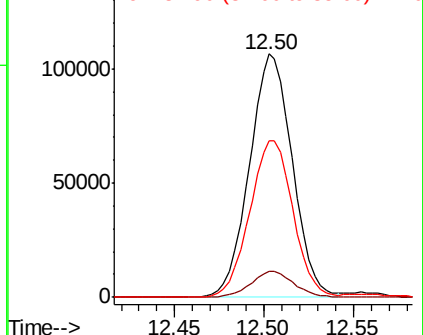
85 64.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.25 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051079.D

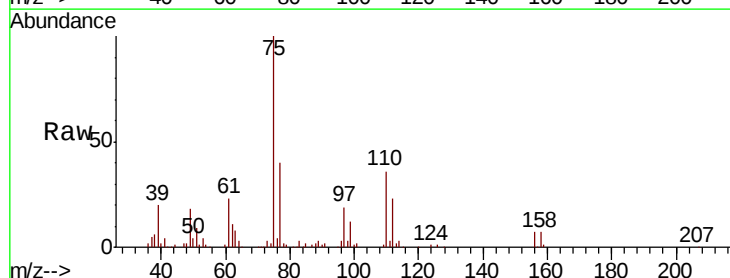
Acq: 10 Sep 2018 15:45

Tgt Ion: 75 Resp: 205233

Ion Ratio Lower Upper

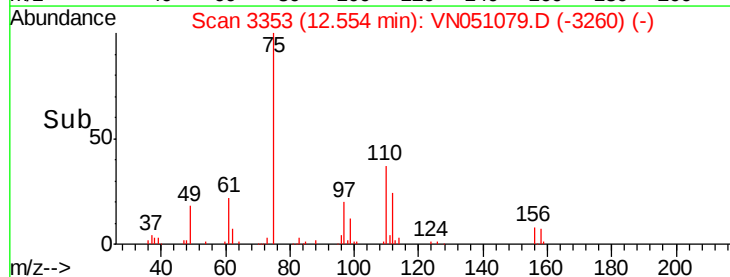
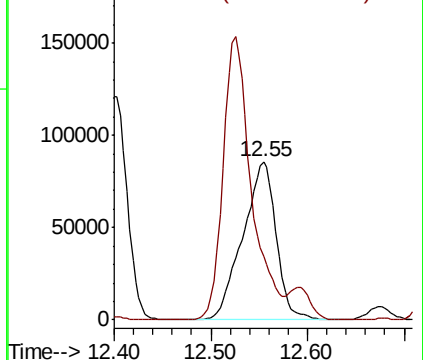
75 100

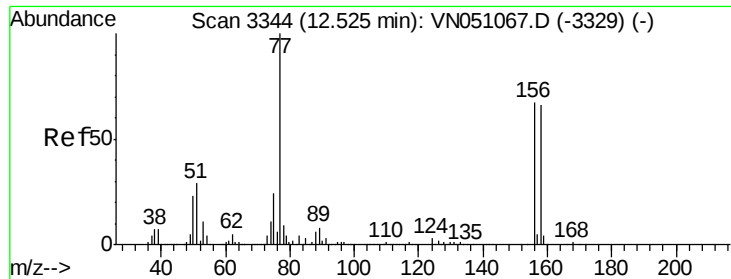
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.15 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

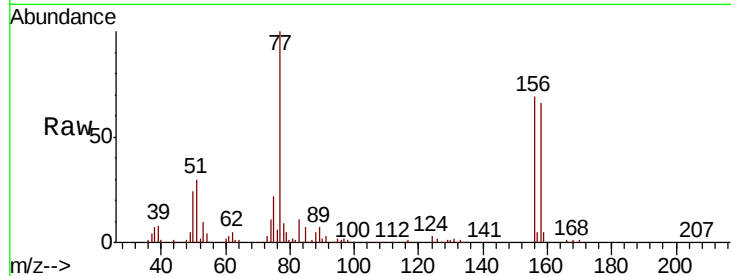
Tot Ion:156 Resp: 179575

Ion Ratio Lower Upper

156 100

77 172.9 87.5 262.6

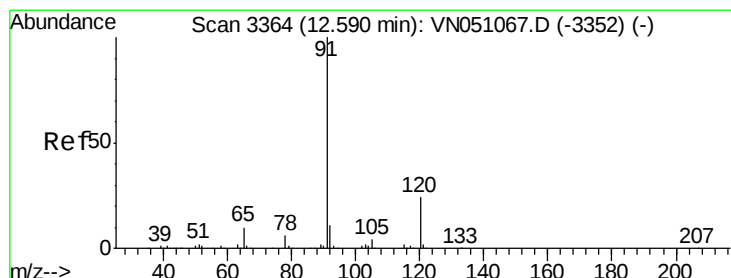
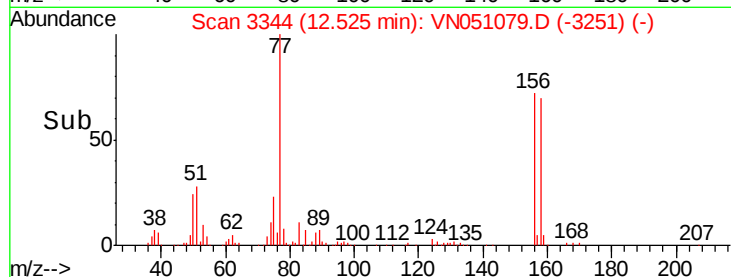
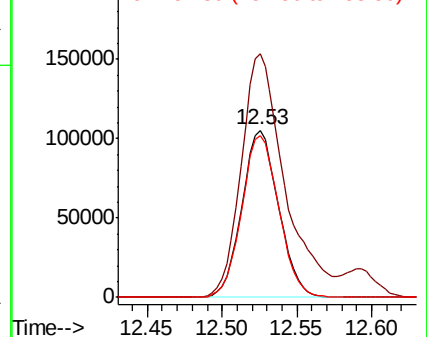
158 97.9 49.0 147.2



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: 19.77 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051079.D

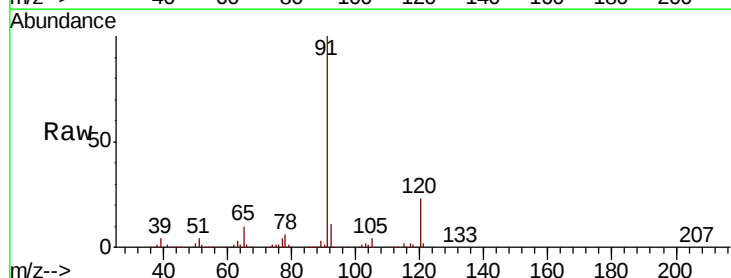
Acq: 10 Sep 2018 15:45

Tgt Ion: 91 Resp: 758640

Ion Ratio Lower Upper

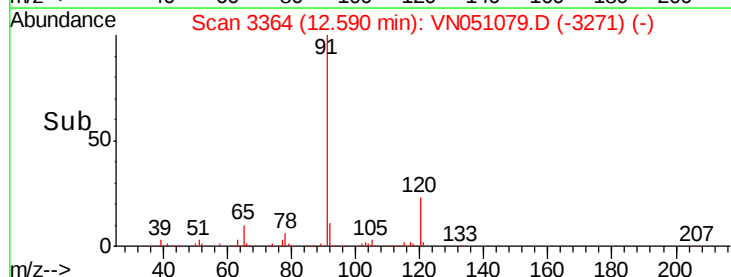
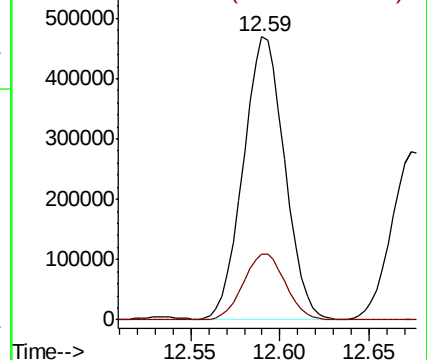
91 100

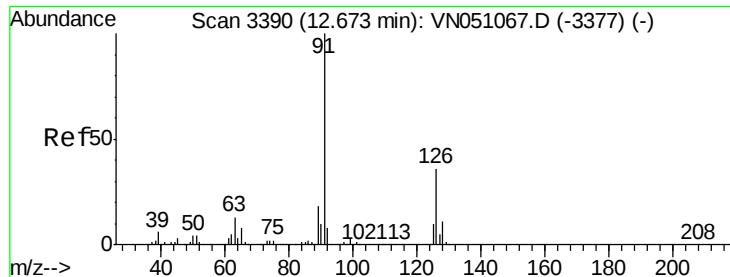
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.57 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

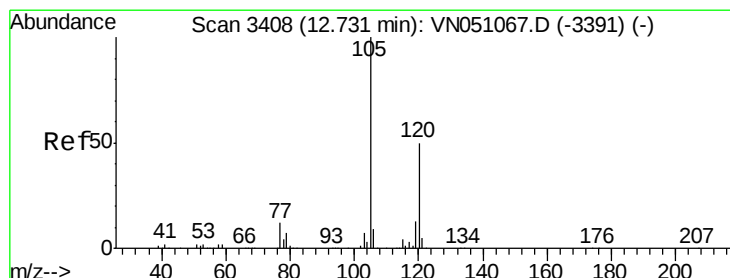
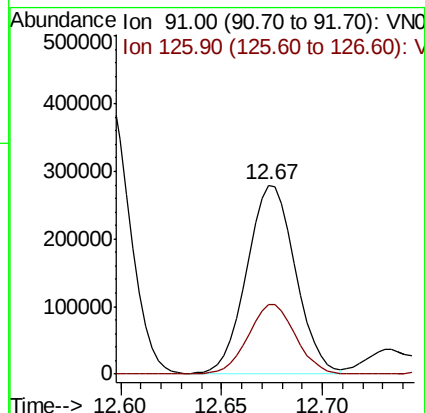
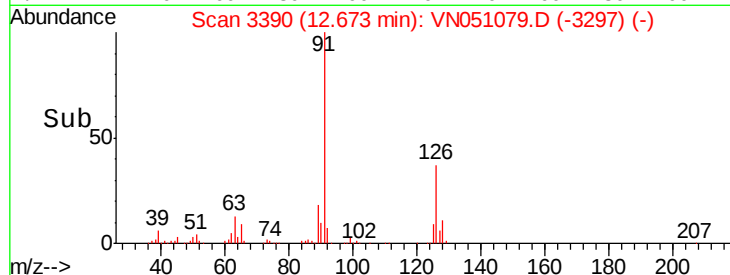
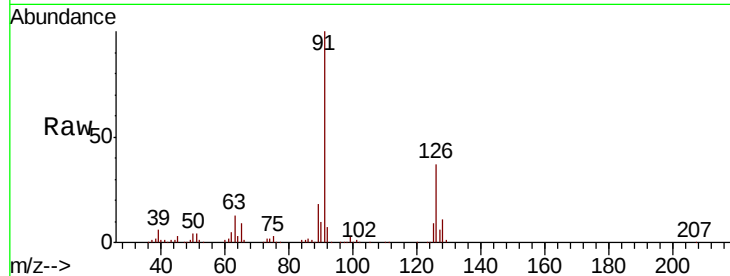
VN0910WBS01

Tot Ion: 91 Resp: 469258

Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 19.99 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051079.D

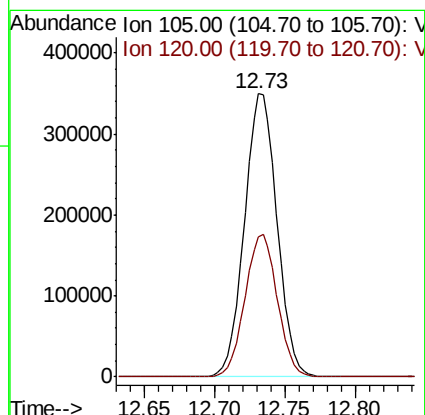
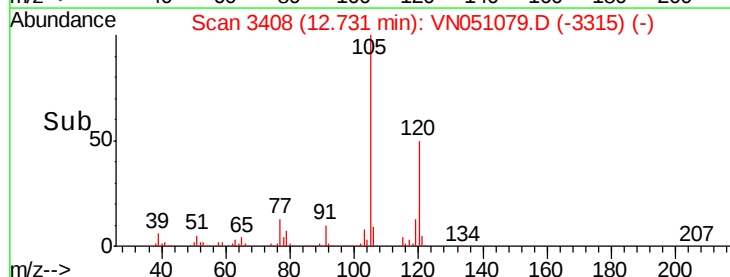
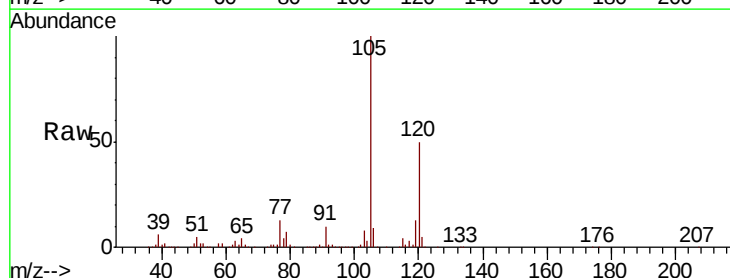
Acq: 10 Sep 2018 15:45

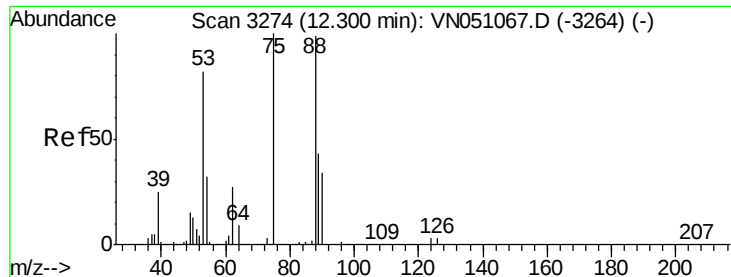
Tgt Ion: 105 Resp: 564203

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.14 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

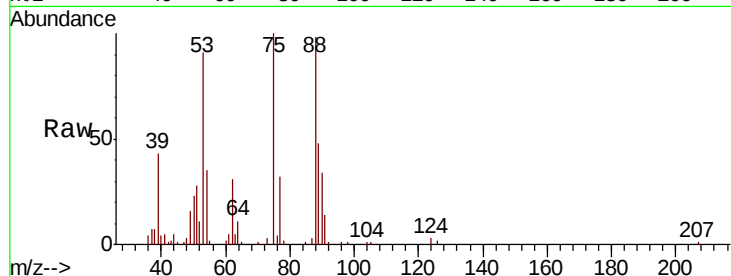
Tot Ion: 75 Resp: 41946

Ion Ratio Lower Upper

75 100

53 87.2 67.8 101.8

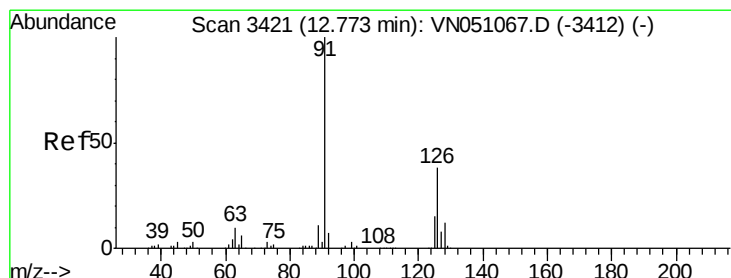
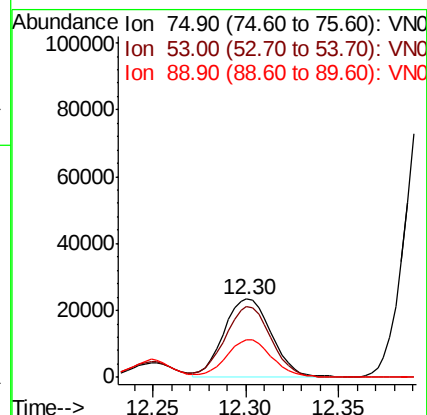
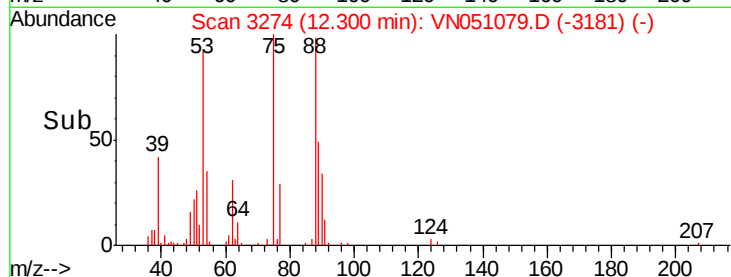
89 45.8 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.16 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051079.D

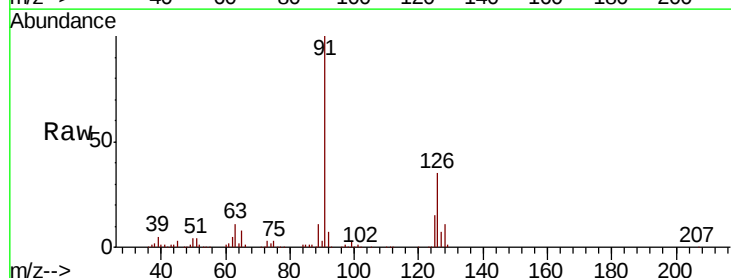
Acq: 10 Sep 2018 15:45

Tgt Ion: 91 Resp: 456204

Ion Ratio Lower Upper

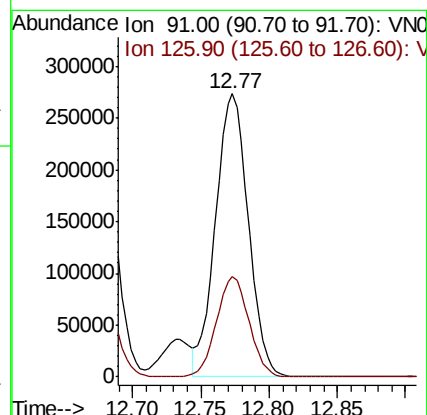
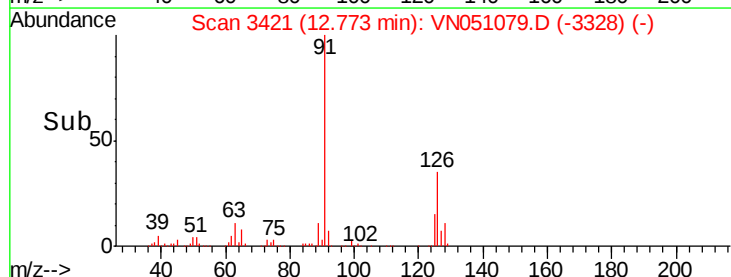
91 100

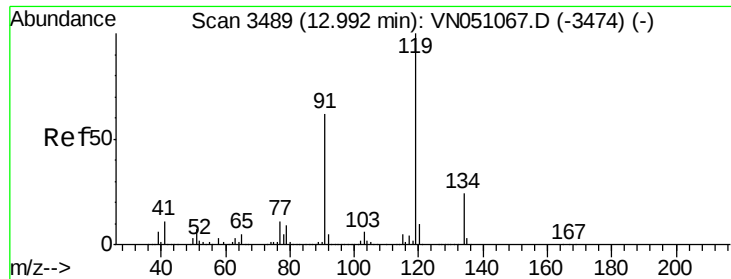
126 35.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

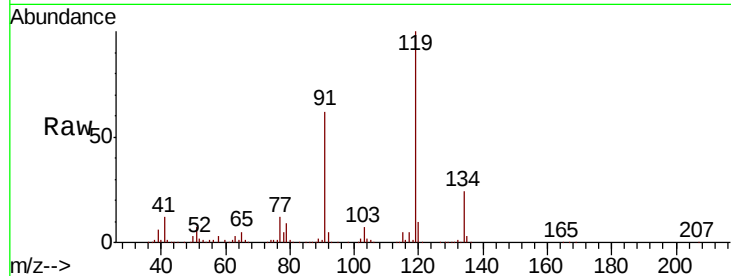




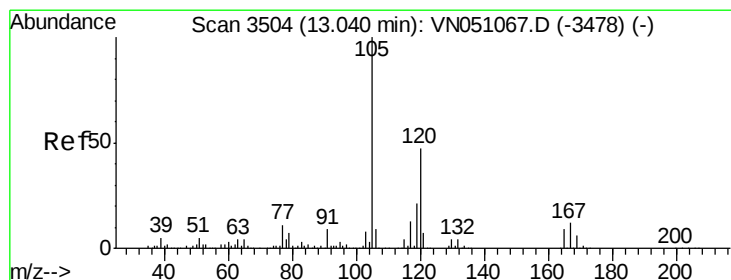
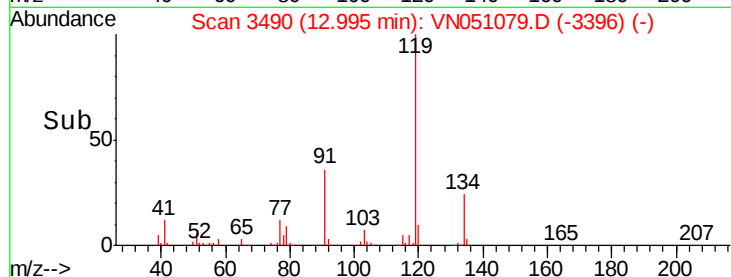
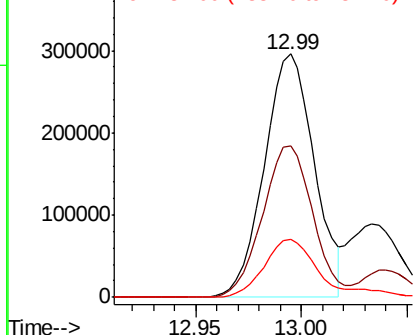
#83
 tert-Butylbenzene
 Concen: 19.62 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.8	92.3
134	24.4	13.2	39.6

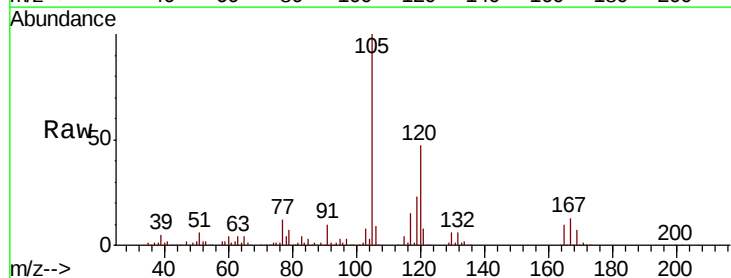


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

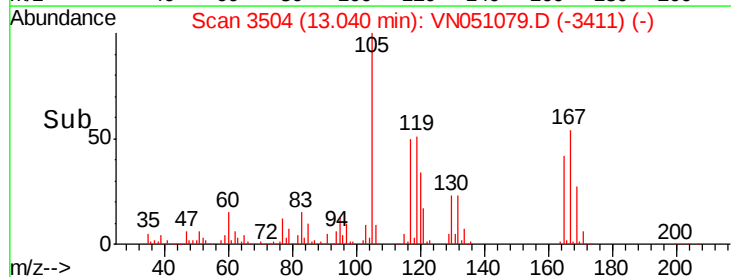
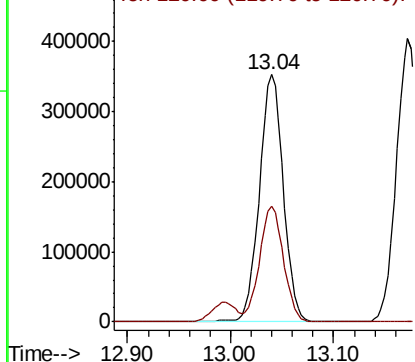


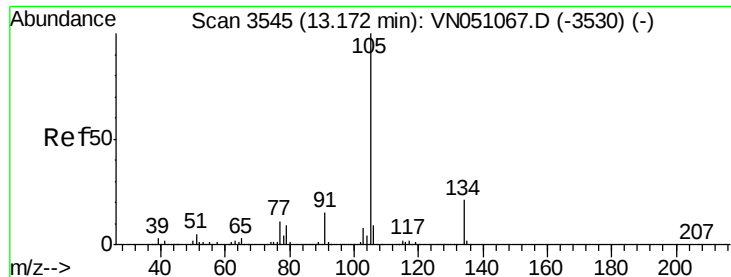
#84
 1,2,4-Trimethylbenzene
 Concen: 20.36 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.3	69.8



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

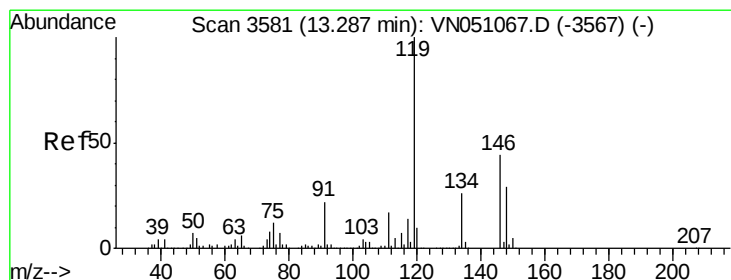
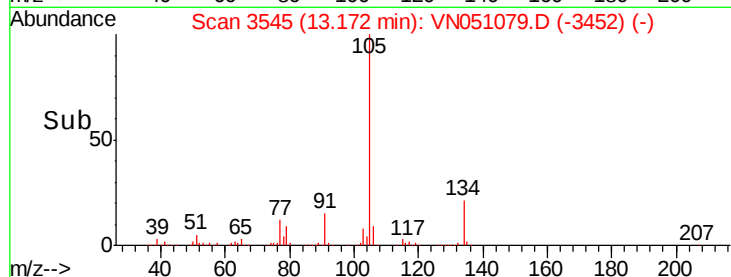
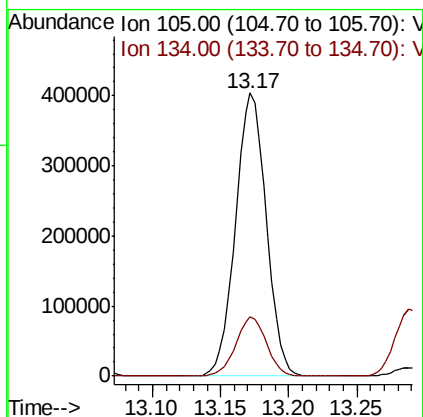
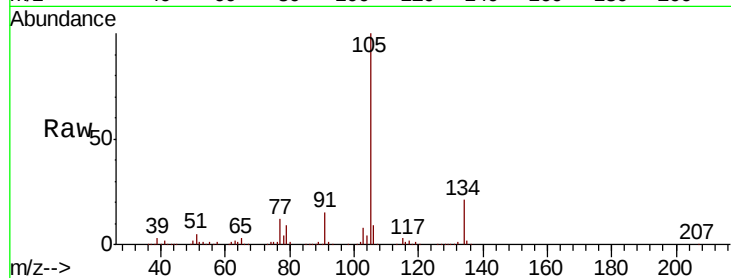




#85
 sec-Butylbenzene
 Concen: 19.74 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

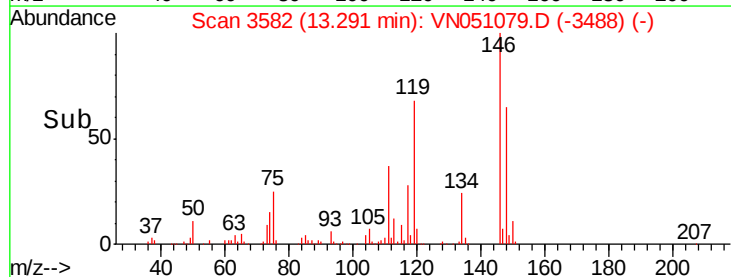
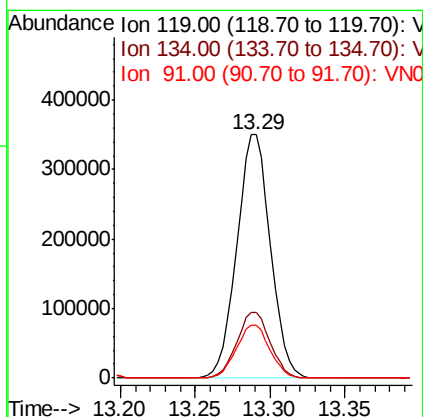
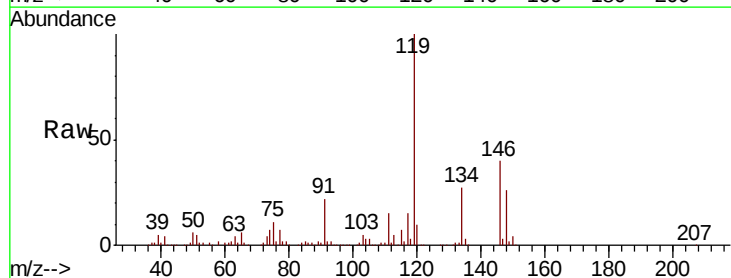
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

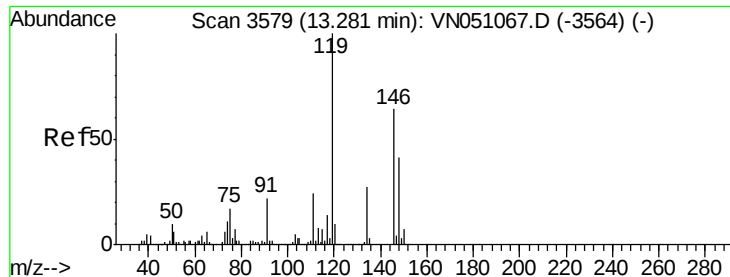
Tot Ion:105 Resp: 630834
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 20.14 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion:119 Resp: 545667
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.5 40.4
 91 21.5 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 18.44 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

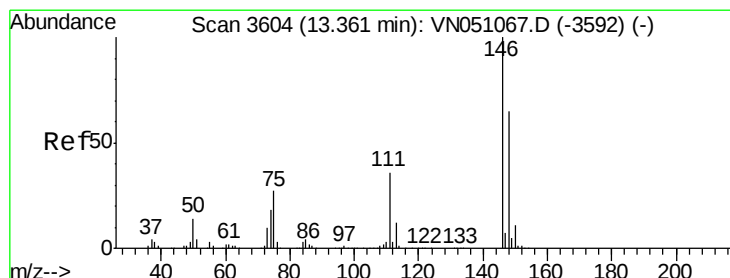
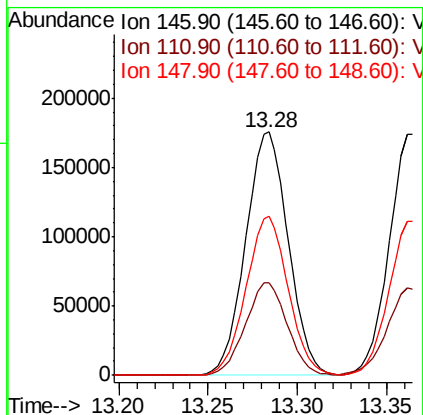
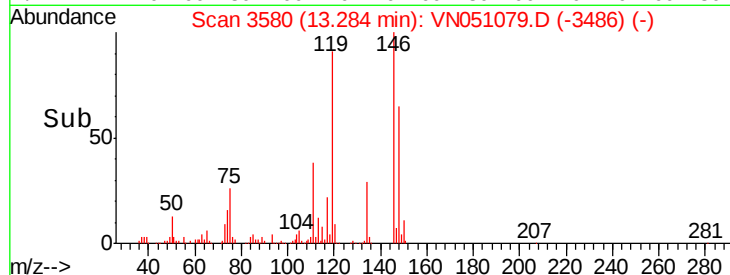
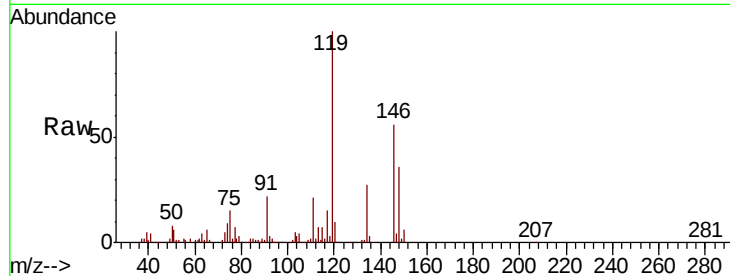
Tot Ion:146 Resp: 293321

Ion Ratio Lower Upper

146 100

111 37.4 19.1 57.1

148 64.6 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 19.61 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

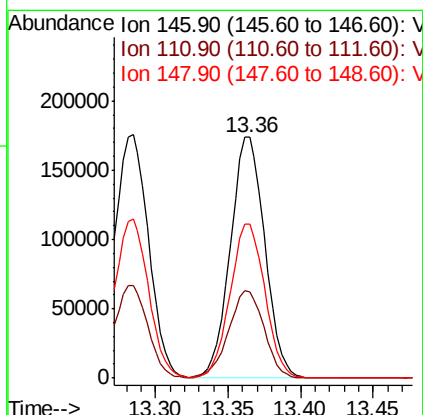
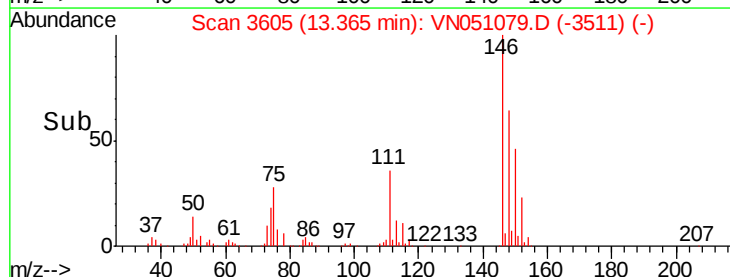
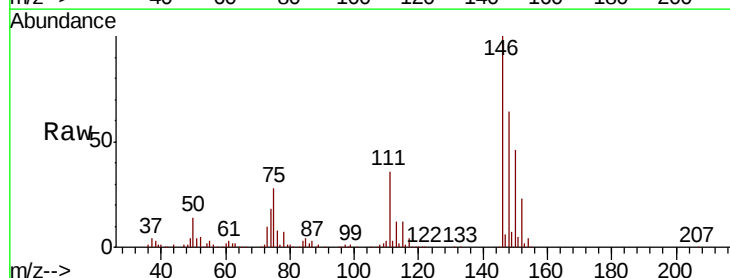
Tgt Ion:146 Resp: 286348

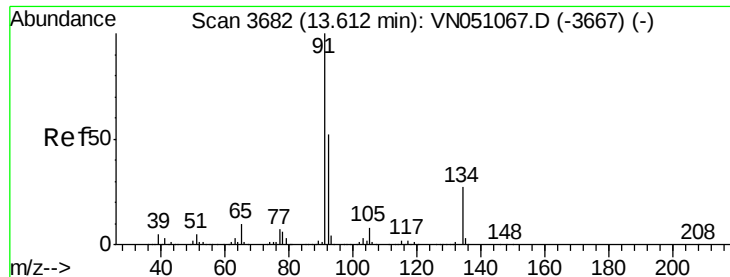
Ion Ratio Lower Upper

146 100

111 37.4 18.4 55.0

148 64.5 32.2 96.6





#89

n-Butylbenzene

Concen: 18.45 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

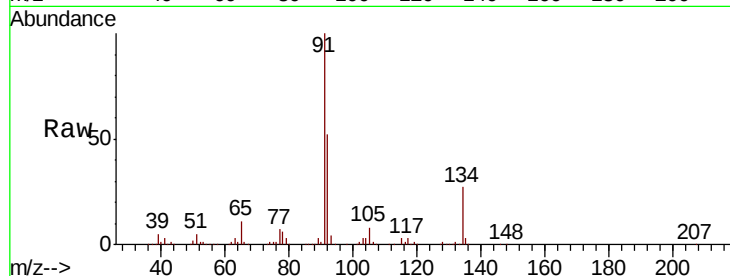
Tot Ion: 91 Resp: 389023

Ion Ratio Lower Upper

91 100

92 51.8 26.2 78.6

134 26.7 13.7 41.1

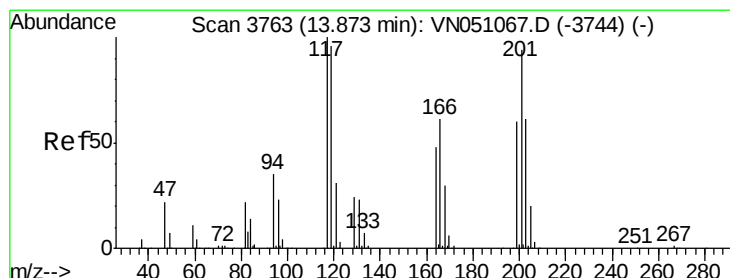
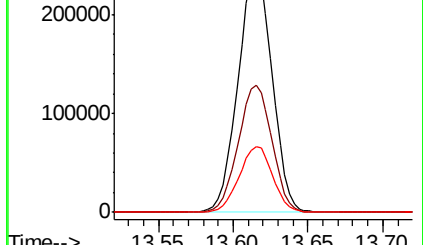
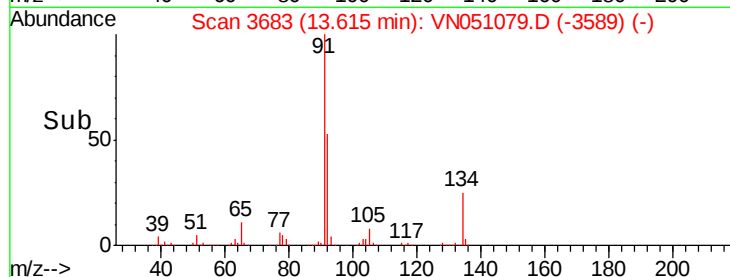


Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051067.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051067.D (-3667) (-)

Time-->



#90

Hexachloroethane

Concen: 19.99 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051079.D

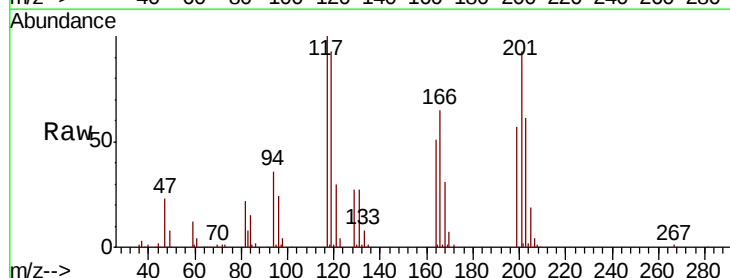
Acq: 10 Sep 2018 15:45

Tgt Ion: 117 Resp: 100438

Ion Ratio Lower Upper

117 100

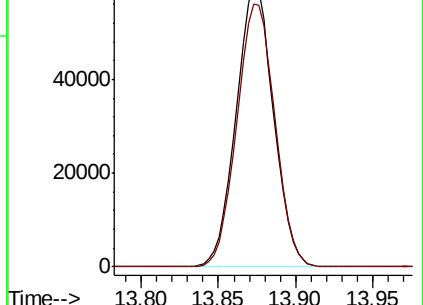
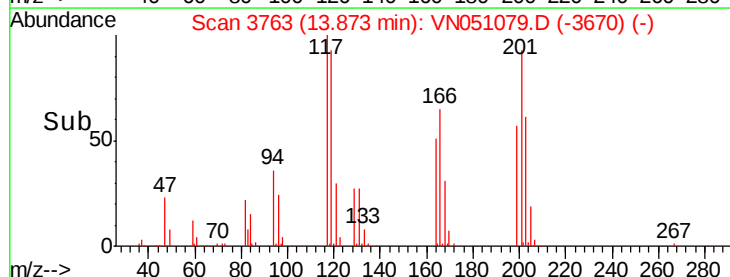
201 95.4 47.3 142.0

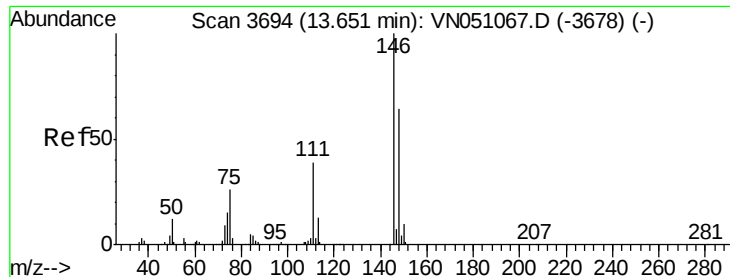


Abundance Ion 116.80 (116.50 to 117.50): VN051067.D (-3744) (-)

Ion 200.70 (200.40 to 201.40): VN051067.D (-3744) (-)

Time-->

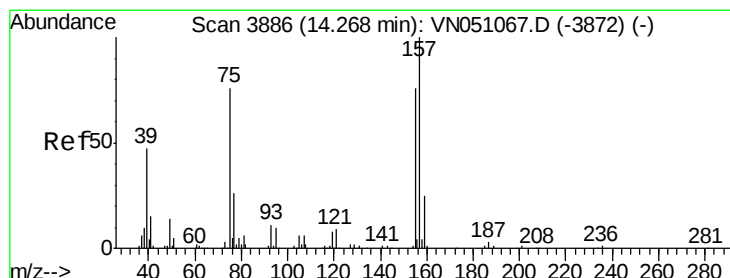
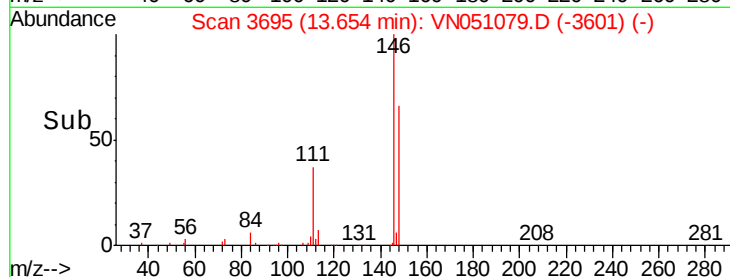
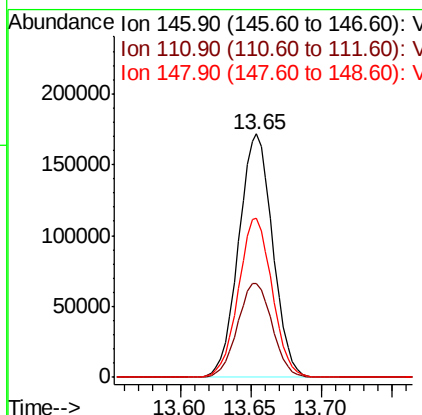
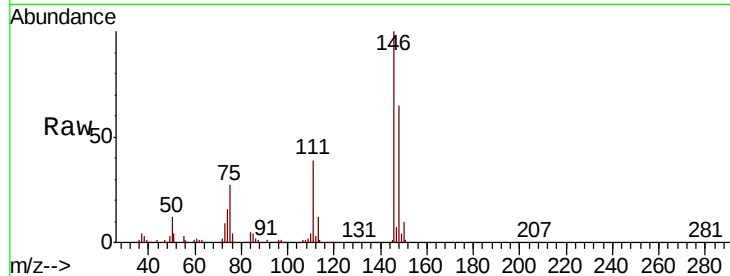




#91
 1,2-Dichlorobenzene
 Concen: 18.70 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

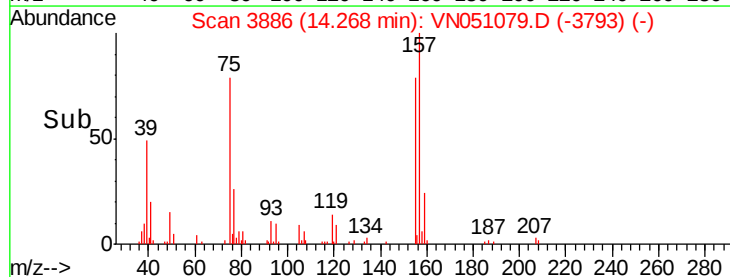
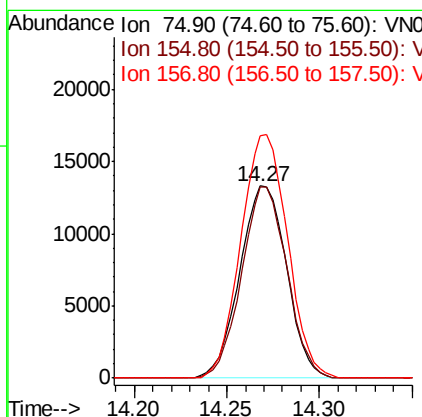
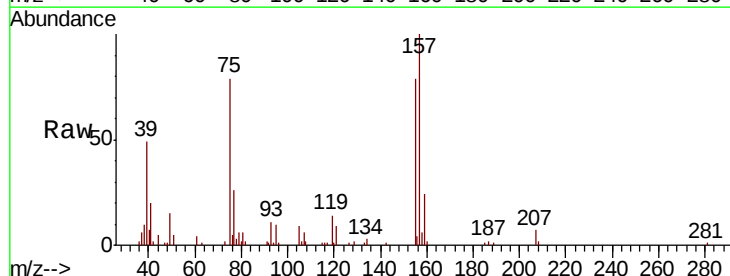
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

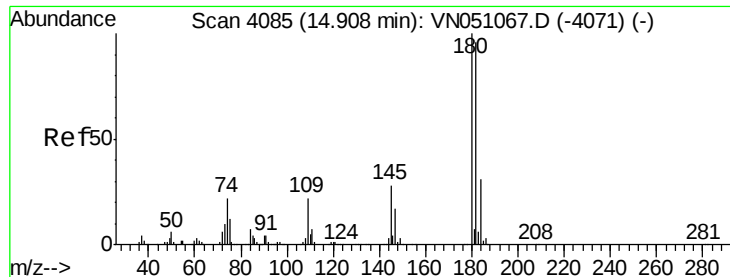
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	64.9	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.92 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	48.7	146.1
157	126.7	63.6	190.9

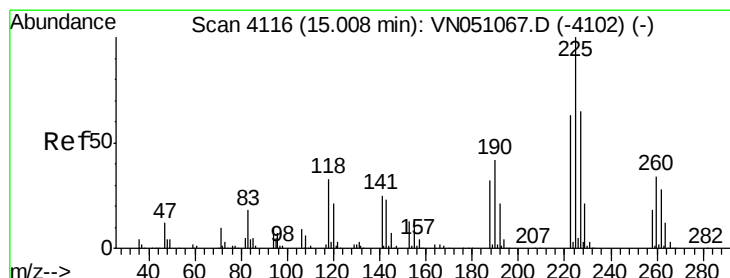
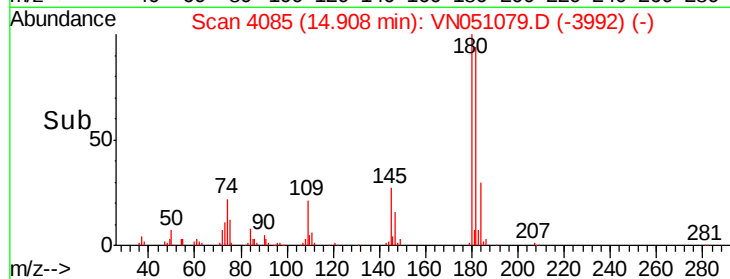
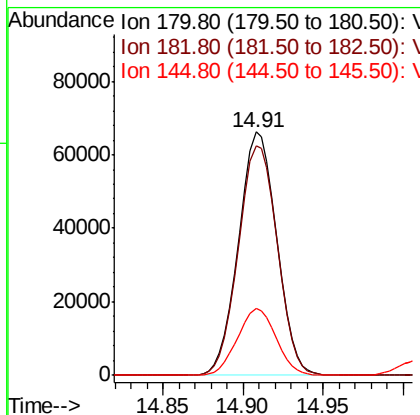
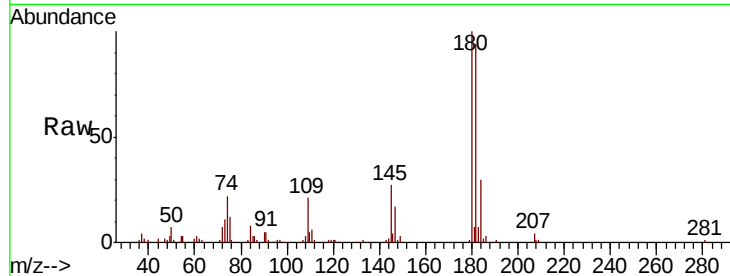




#93
 1,2,4-Trichlorobenzene
 Concen: 17.20 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

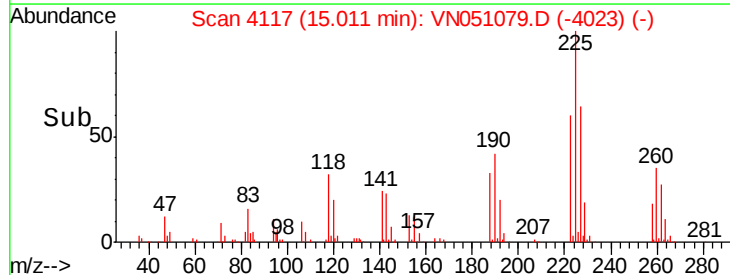
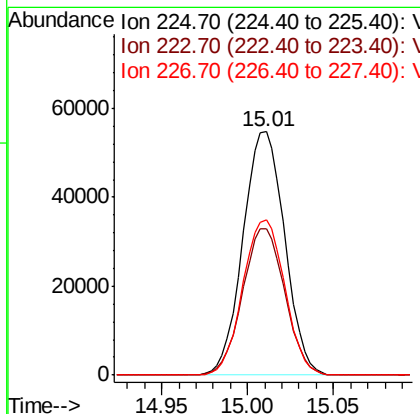
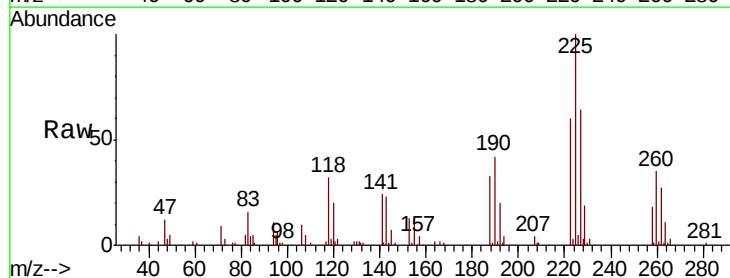
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

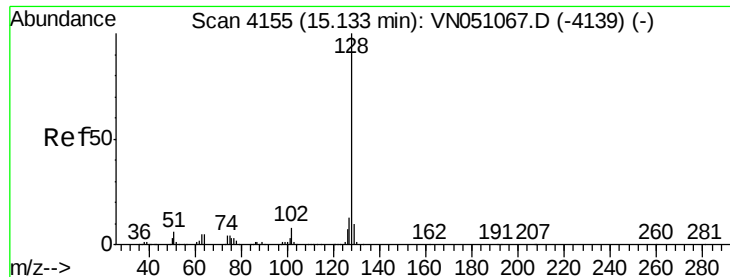
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.8
145	27.9	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 19.34 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.4	94.0
227	64.0	32.1	96.3





#95

Naphthalene

Concen: 16.80 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

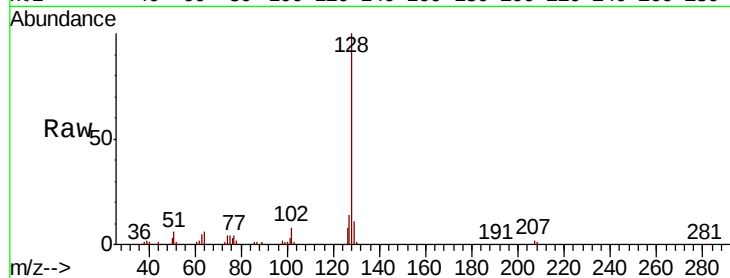
Tot Ion:128 Resp: 200788

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 11.3 8.6 12.8

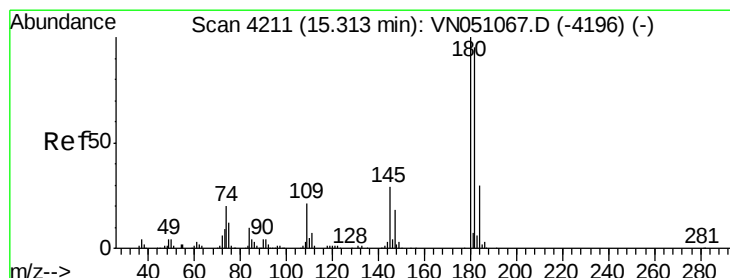
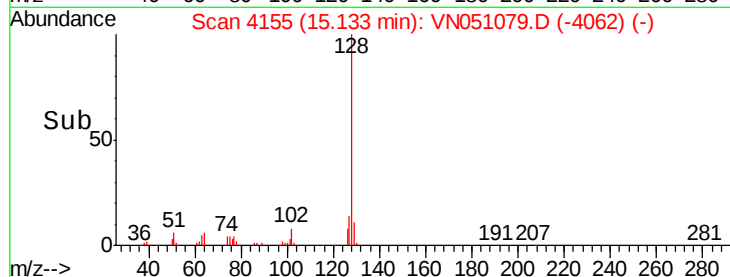
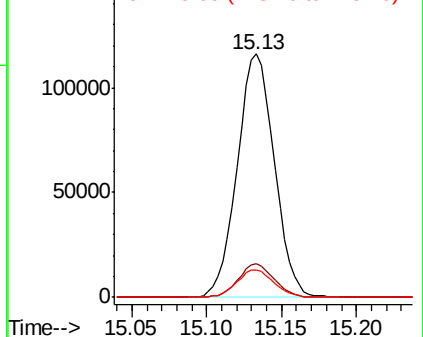


Abundance

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: 18.04 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

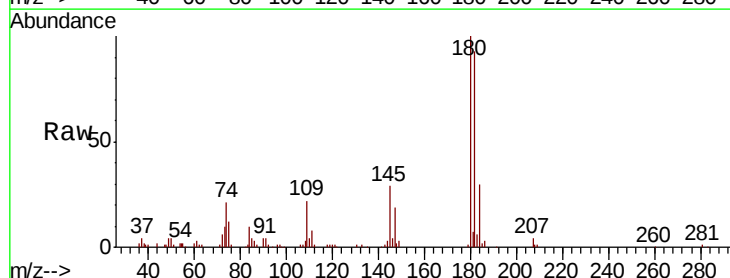
Tgt Ion:180 Resp: 114749

Ion Ratio Lower Upper

180 100

182 93.9 47.8 143.3

145 29.4 14.6 43.8



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

