

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
 Data File : VN051140.D
 Acq On : 12 Sep 2018 10:02
 Operator : MD\SY
 Sample : VN0912WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Quant Time: Sep 13 07:15:40 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	628573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	880476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	797462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	390380	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	361434	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
35) Dibromofluoromethane	7.59	113	347372	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	10.09	98	1301654	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.40	95	424824	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	108852	17.96	ug/l	97
3) Chloromethane	2.06	50	145632	18.26	ug/l	99
4) Vinyl Chloride	2.18	62	151601	18.22	ug/l	99
5) Bromomethane	2.56	94	79087	16.18	ug/l	96
6) Chloroethane	2.70	64	91768	17.87	ug/l	97
7) Trichlorofluoromethane	3.01	101	207744	18.84	ug/l	100
8) Diethyl Ether	3.41	74	77602	19.14	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	133777	18.82	ug/l	100
10) Methyl Iodide	3.95	142	79212	16.21	ug/l	99
11) Tert butyl alcohol	4.79	59	56197	105.18	ug/l	99
12) 1,1-Dichloroethene	3.73	96	119255	17.79	ug/l	100
13) Acrolein	3.61	56	55882	101.65	ug/l	100
14) Allyl chloride	4.32	41	182569	17.87	ug/l	98
15) Acrylonitrile	4.99	53	243971	103.05	ug/l	100
16) Acetone	3.82	43	184892	103.48	ug/l	100
17) Carbon Disulfide	4.05	76	353055	17.94	ug/l	100
18) Methyl Acetate	4.33	43	116224	20.75	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	346576	19.55	ug/l	100
20) Methylene Chloride	4.55	84	143899	18.62	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	132238	18.18	ug/l	99
22) Diisopropyl ether	5.95	45	399896	19.72	ug/l	99
23) Vinyl Acetate	5.90	43	1355756	98.80	ug/l	100
24) 1,1-Dichloroethane	5.85	63	242106	18.82	ug/l	98
25) 2-Butanone	6.84	43	276952	100.70	ug/l	99
26) 2,2-Dichloropropane	6.83	77	189474	17.99	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	145817	18.28	ug/l	99
28) Bromochloromethane	7.19	49	110228	19.25	ug/l	99
29) Tetrahydrofuran	7.22	42	185130	107.79	ug/l	100
30) Chloroform	7.37	83	245611	19.19	ug/l	97
31) Cyclohexane	7.65	56	213288	18.45	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	208379	19.11	ug/l	100
36) 1,1-Dichloropropene	7.79	75	183504	18.98	ug/l	99
37) Ethyl Acetate	6.93	43	121241	21.66	ug/l	100
38) Carbon Tetrachloride	7.77	117	184770	19.42	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
 Data File : VN051140.D
 Acq On : 12 Sep 2018 10:02
 Operator : MD\SY
 Sample : VN0912WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Quant Time: Sep 13 07:15:40 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)
39) Methylcyclohexane	9.08	83	197843	18.55	ug/l	99
40) Benzene	8.04	78	571940	19.63	ug/l	98
41) Methacrylonitrile	7.18	41	57385	19.87	ug/l	98
42) 1,2-Dichloroethane	8.13	62	170337	20.06	ug/l	100
43) Isopropyl Acetate	8.17	43	205528	20.81	ug/l	99
44) Trichloroethene	8.84	130	150775	18.92	ug/l	96
45) 1,2-Dichloropropane	9.12	63	148977	19.79	ug/l	99
46) Dibromomethane	9.21	93	90714	19.75	ug/l	99
47) Bromodichloromethane	9.40	83	188593	20.20	ug/l	97
48) Methyl methacrylate	9.20	41	101196	21.02	ug/l	98
49) 1,4-Dioxane	9.20	88	32358	428.63	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	599725	109.78	ug/l	100
52) Toluene	10.16	92	352225	19.83	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	180669	19.33	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	214488	19.57	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	131928	20.45	ug/l	99
56) Ethyl methacrylate	10.43	69	160078	20.03	ug/l	98
57) 1,3-Dichloropropane	10.71	76	217223	20.31	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	316743	96.95	ug/l	100
59) 2-Hexanone	10.75	43	393864	106.31	ug/l	98
60) Dibromochloromethane	10.90	129	145947	20.07	ug/l	100
61) 1,2-Dibromoethane	11.01	107	129152	20.48	ug/l	100
64) Tetrachloroethene	10.63	164	142373	19.57	ug/l	99
65) Chlorobenzene	11.43	112	382445	19.03	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	142618	19.71	ug/l	99
67) Ethyl Benzene	11.51	91	630915	19.38	ug/l	100
68) m/p-Xylenes	11.62	106	498298	39.84	ug/l	100
69) o-Xylene	11.95	106	238512	19.69	ug/l	100
70) Styrene	11.96	104	380484	20.25	ug/l	99
71) Bromoform	12.13	173	103078	20.23	ug/l #	99
73) Isopropylbenzene	12.25	105	630251	19.25	ug/l	100
74) N-amyl acetate	12.07	43	155399	18.86	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	172352	22.06	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	195457	31.75	ug/l #	100
77) Bromobenzene	12.53	156	163840	18.63	ug/l	98
78) n-propylbenzene	12.59	91	695877	19.34	ug/l	99
79) 2-Chlorotoluene	12.68	91	430781	19.15	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	520570	19.67	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37607	18.30	ug/l	96
82) 4-Chlorotoluene	12.77	91	422959	18.94	ug/l	99
83) tert-Butylbenzene	12.99	119	440576	18.86	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	516093	19.83	ug/l	99
85) sec-Butylbenzene	13.17	105	582218	19.43	ug/l	99
86) p-Isopropyltoluene	13.29	119	498053	19.60	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	273702	18.35	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	262831	19.20	ug/l	98
89) n-Butylbenzene	13.62	91	358923	18.15	ug/l	98
90) Hexachloroethane	13.87	117	92283	19.57	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	270256	18.59	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23435	21.34	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
Data File : VN051140.D
Acq On : 12 Sep 2018 10:02
Operator : MD\SY
Sample : VN0912WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Quant Time: Sep 13 07:15:40 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

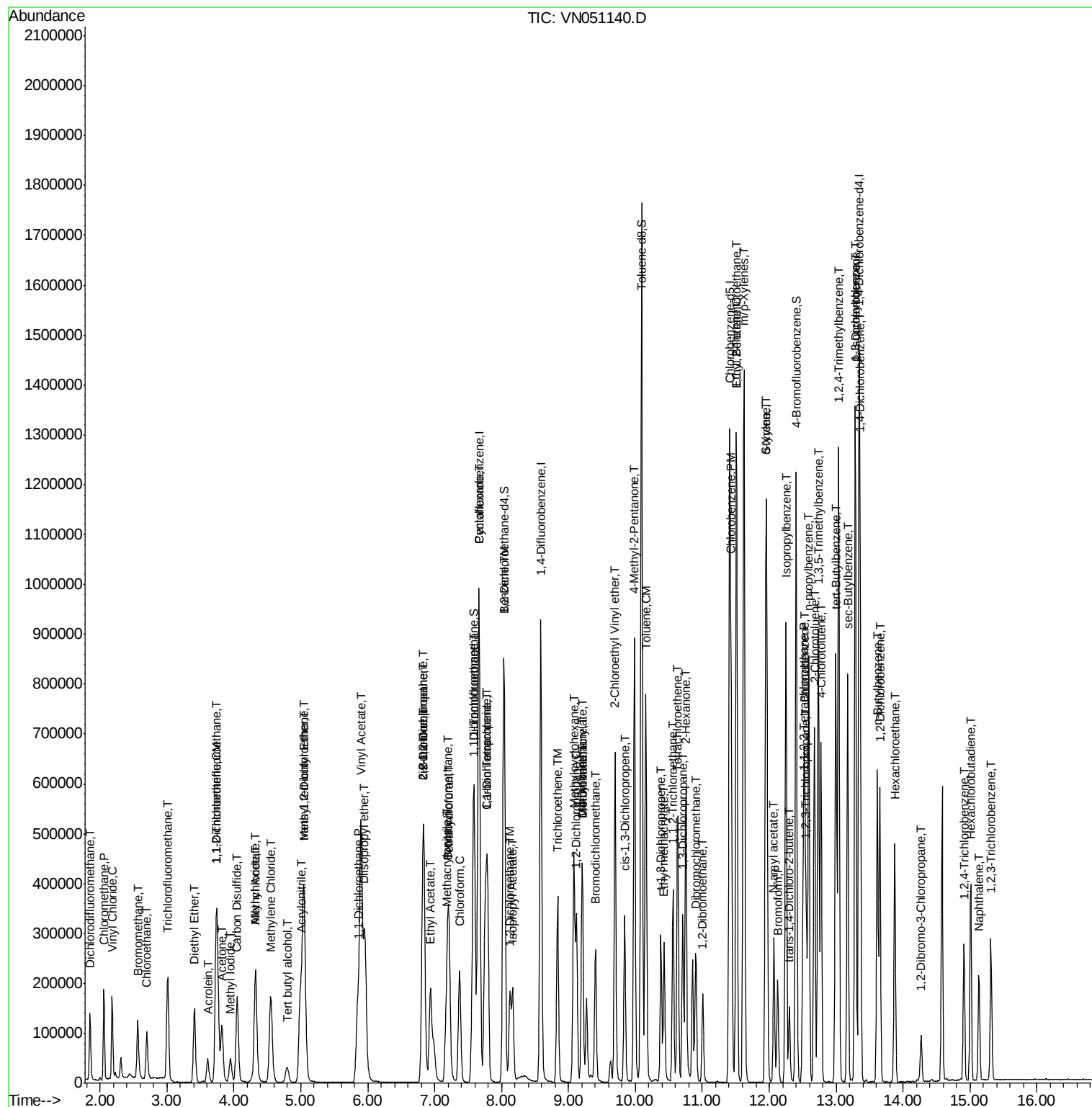
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	98980	16.95	ug/l	98
94) Hexachlorobutadiene	15.01	225	88938	19.94	ug/l	99
95) Naphthalene	15.13	128	190411	16.93	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	105181	17.70	ug/l	98

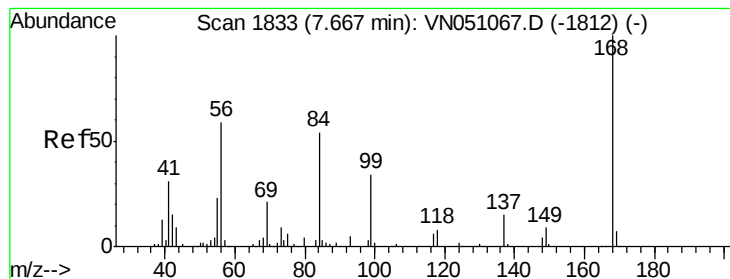
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
 Data File : VN051140.D
 Acq On : 12 Sep 2018 10:02
 Operator : MD\SY
 Sample : VN0912WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Quant Time: Sep 13 07:15:40 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

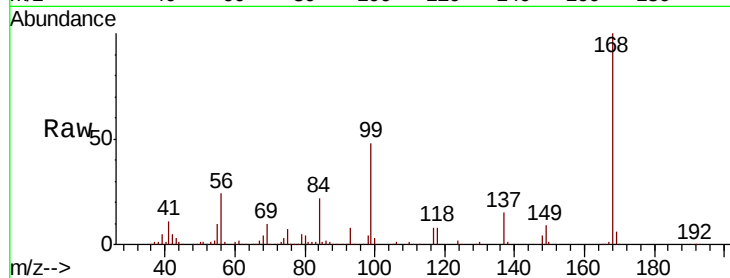
VN0912WBS01

Tot Ion:168 Resp: 628573

Ion Ratio Lower Upper

168 100

99 47.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

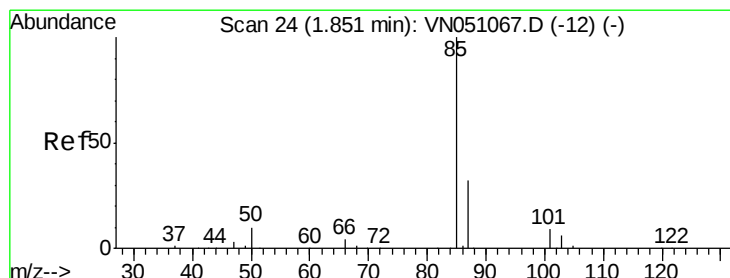
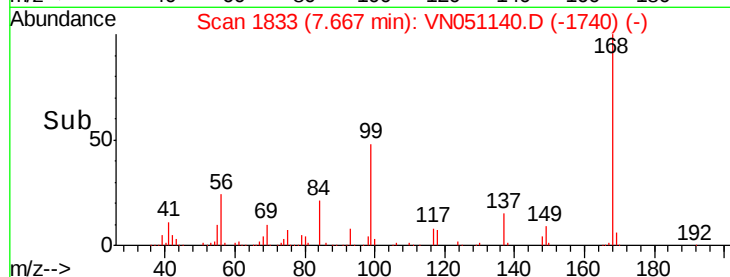
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.96 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051140.D

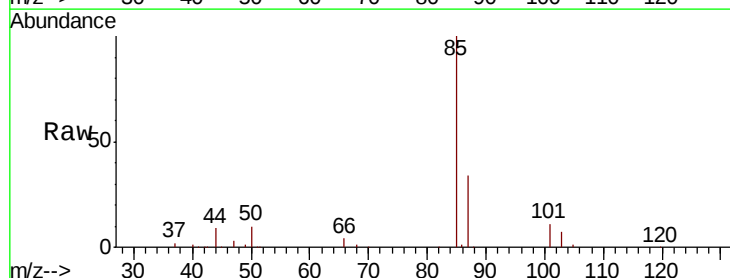
Acq: 12 Sep 2018 10:02

Tgt Ion: 85 Resp: 108852

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

1.85

80000

60000

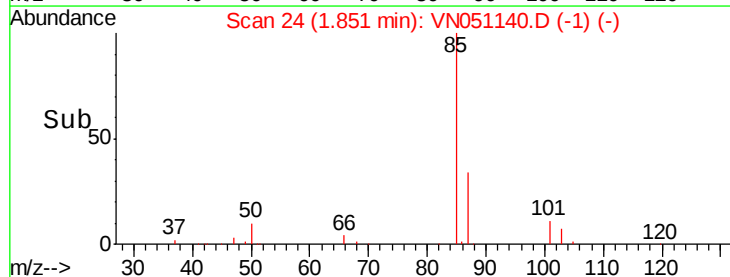
40000

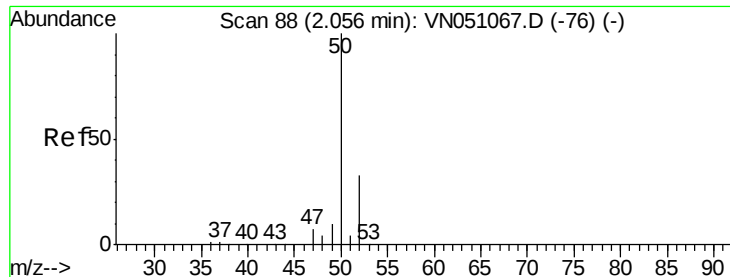
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.26 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

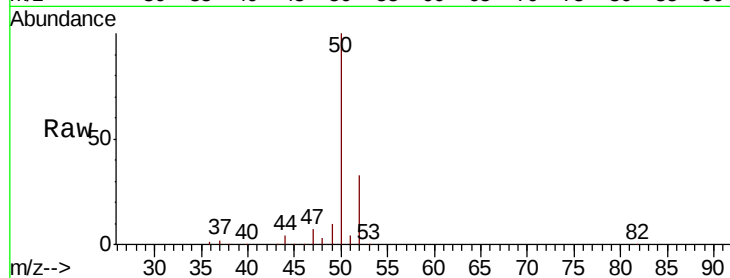
VN0912WBS01

Tot Ion: 50 Resp: 145632

Ion Ratio Lower Upper

50 100

52 33.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN051140.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN051140.D (-1) (-)

2.06

120000

100000

80000

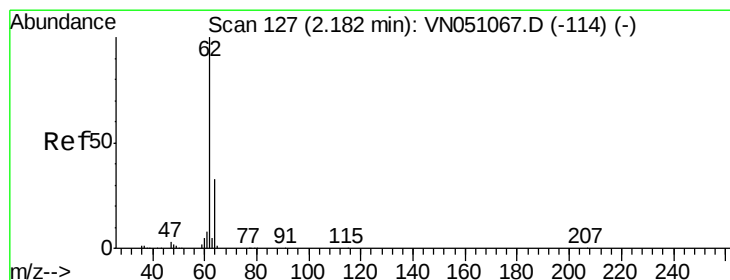
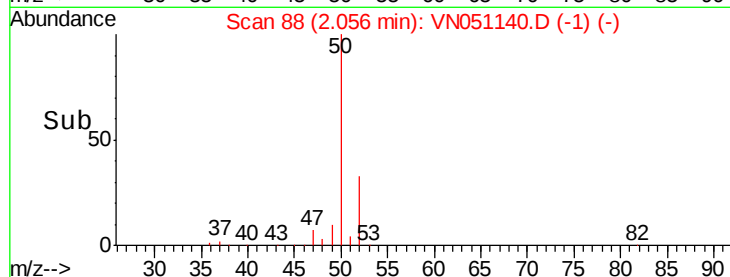
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 18.22 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051140.D

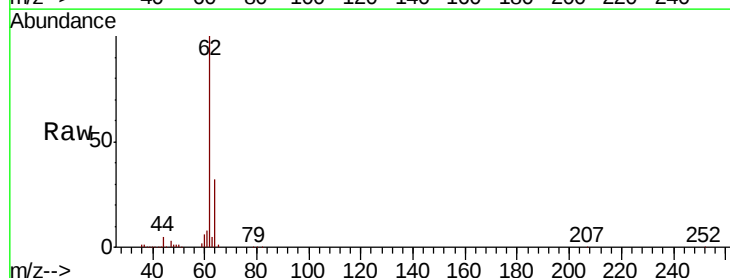
Acq: 12 Sep 2018 10:02

Tgt Ion: 62 Resp: 151601

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN051140.D (-34) (-)

Ion 63.90 (63.60 to 64.60): VN051140.D (-34) (-)

2.18

120000

100000

80000

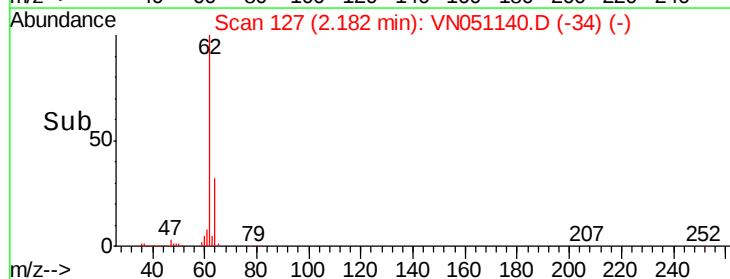
60000

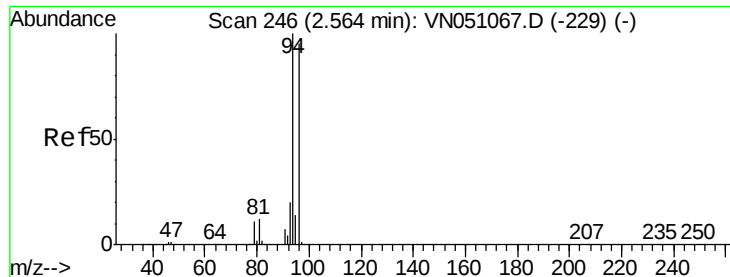
40000

20000

0

Time-->





#5

Bromomethane

Concen: 16.18 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

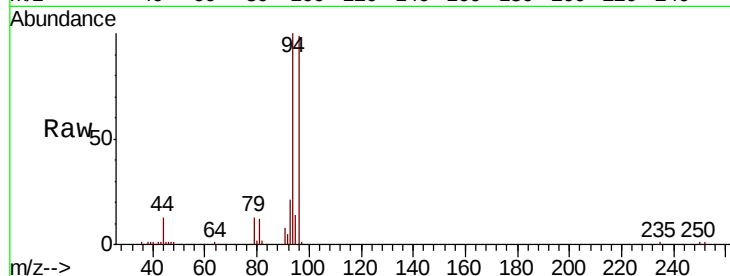
VN0912WBS01

Tot Ion: 94 Resp: 79087

Ion Ratio Lower Upper

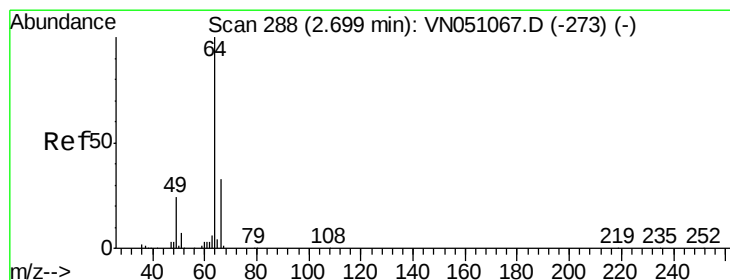
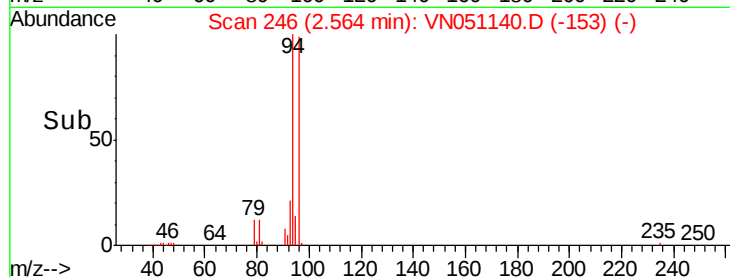
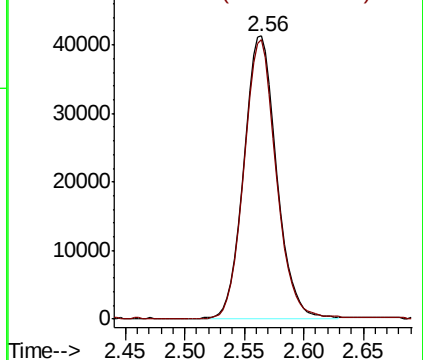
94 100

96 98.9 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.87 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051140.D

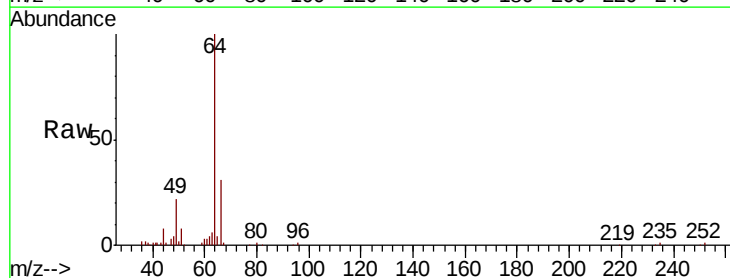
Acq: 12 Sep 2018 10:02

Tgt Ion: 64 Resp: 91768

Ion Ratio Lower Upper

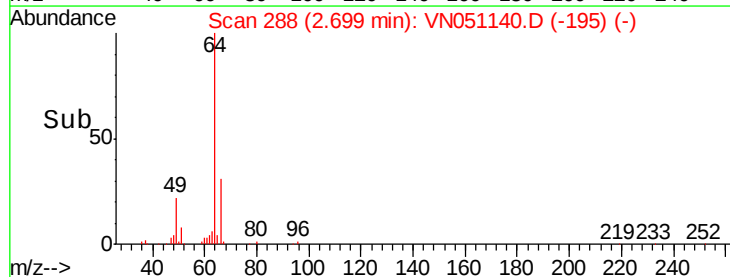
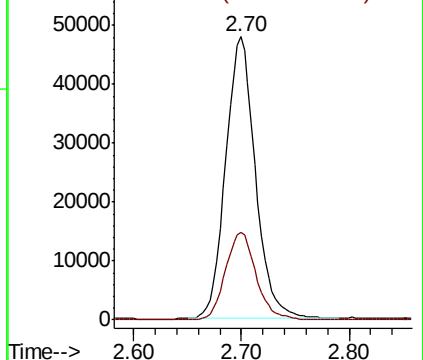
64 100

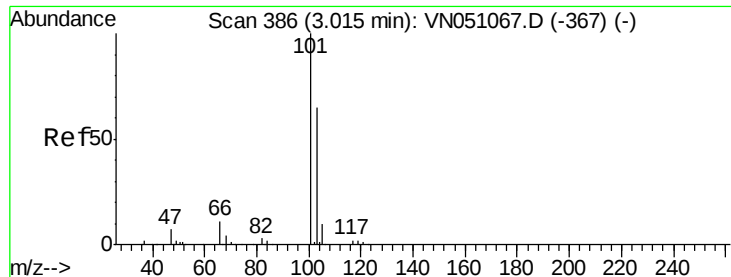
66 31.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



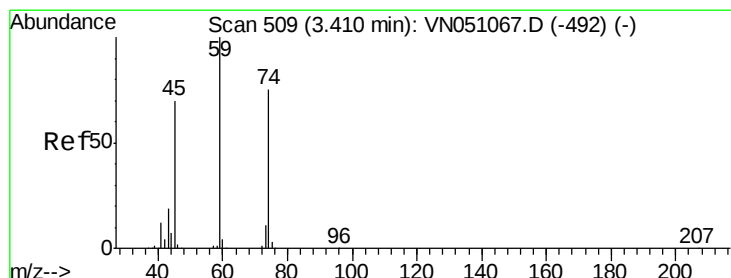
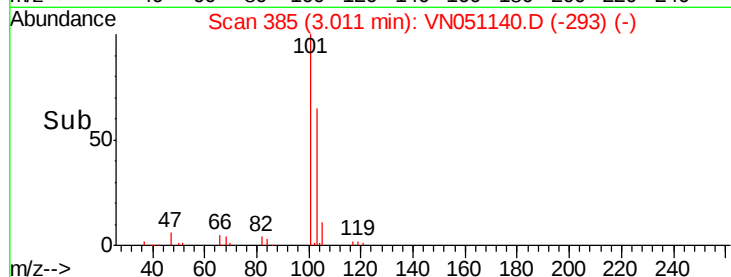
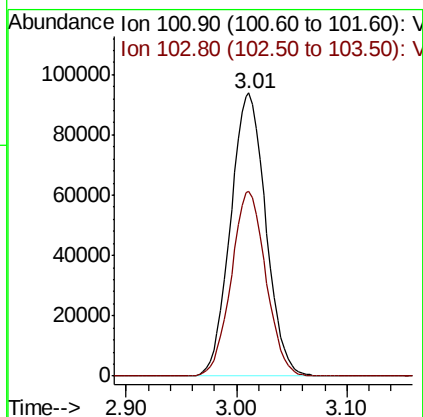
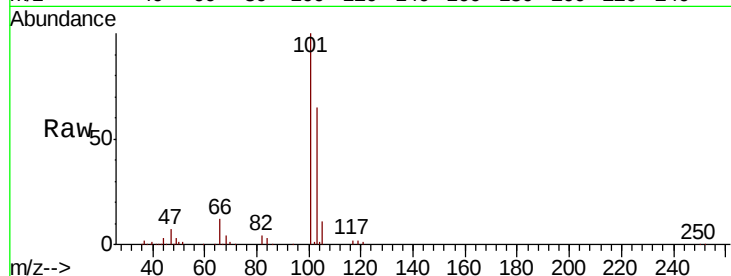


#7

Trichlorofluoromethane
 Concen: 18.84 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

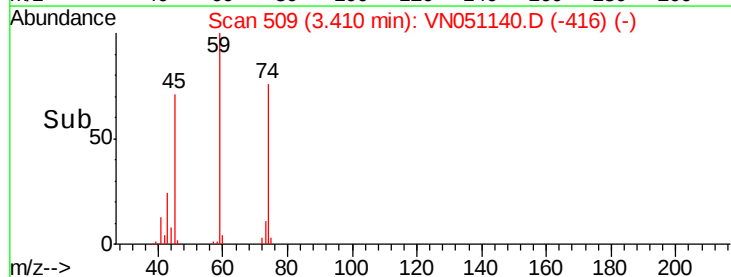
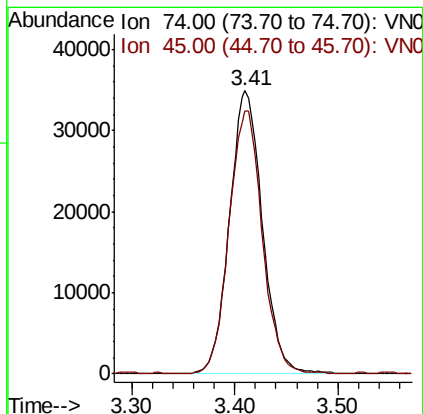
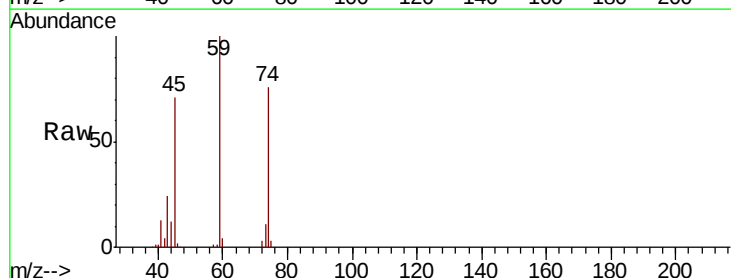
Tot Ion:101 Resp: 207744
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.4 78.6

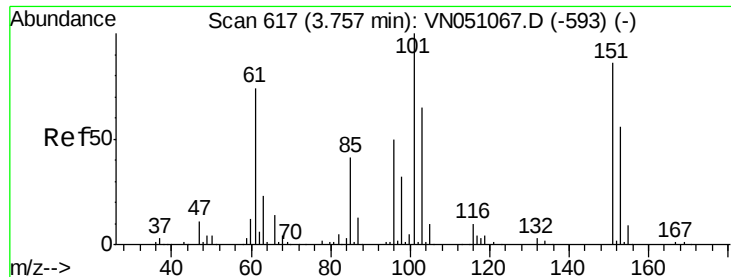


#8

Diethyl Ether
 Concen: 19.14 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion: 74 Resp: 77602
 Ion Ratio Lower Upper
 74 100
 45 93.9 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.82 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

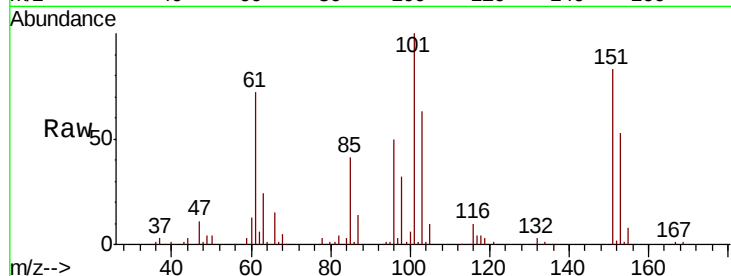
Tot Ion:101 Resp: 133777

Ion Ratio Lower Upper

101 100

85 41.7 33.3 49.9

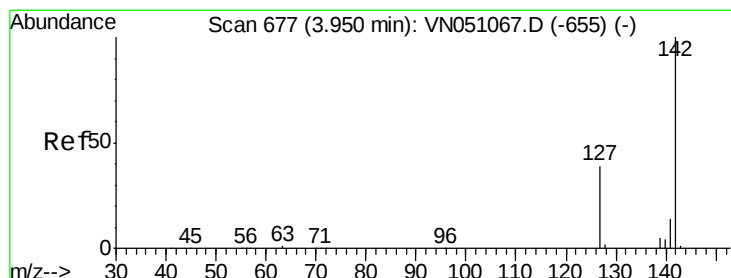
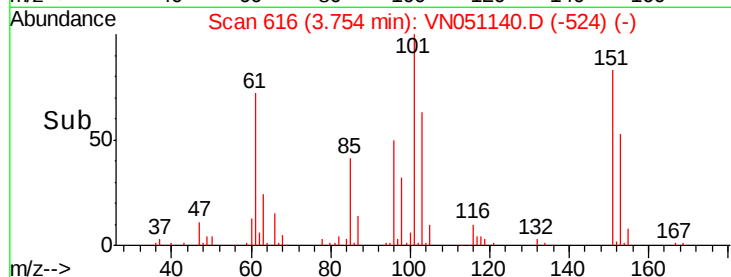
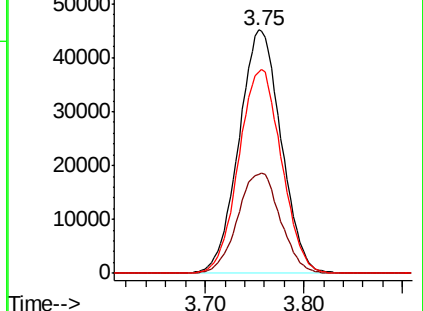
151 84.6 68.2 102.2



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: 16.21 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

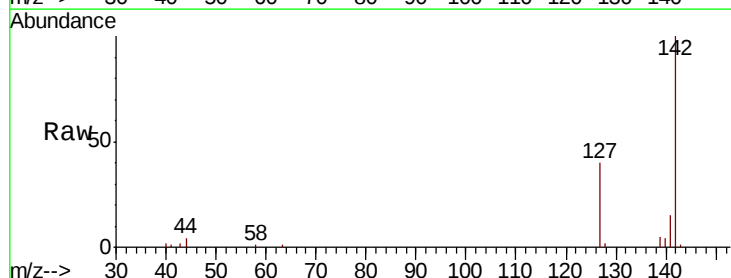
Tgt Ion:142 Resp: 79212

Ion Ratio Lower Upper

142 100

127 39.1 31.0 46.4

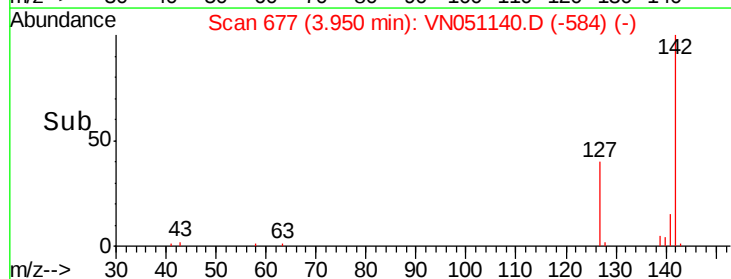
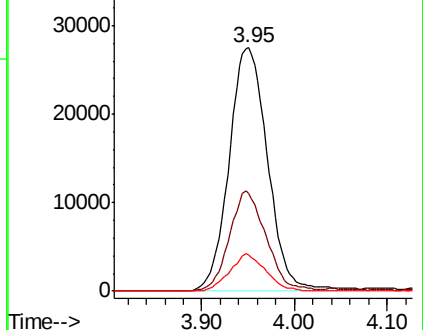
141 14.1 11.3 16.9

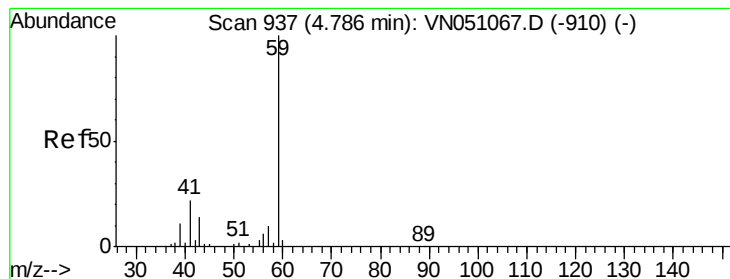


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



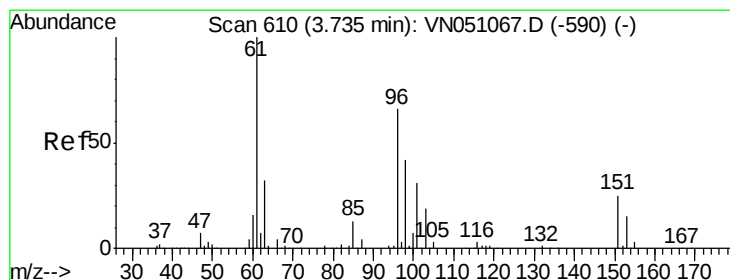
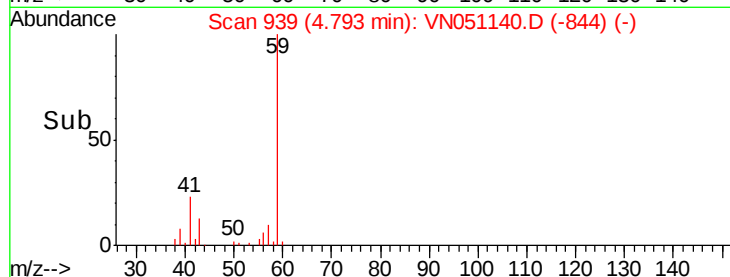
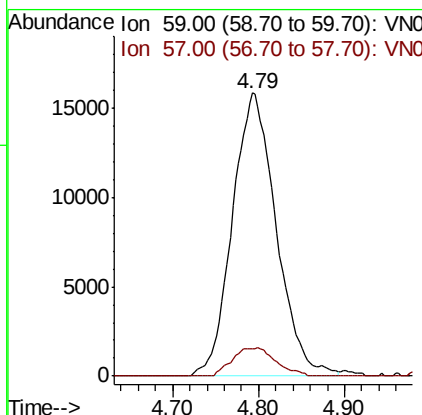
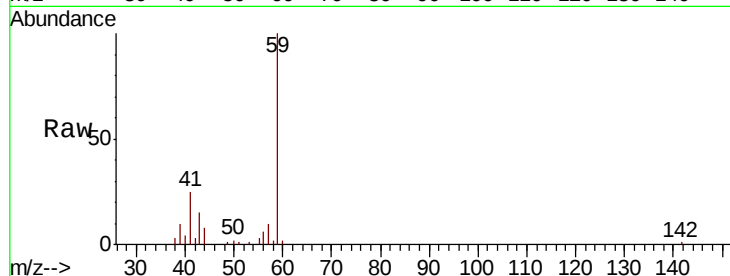


#11

Tert butyl alcohol
 Concen: 105.18 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

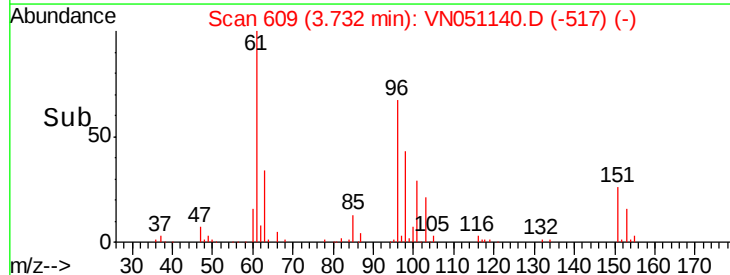
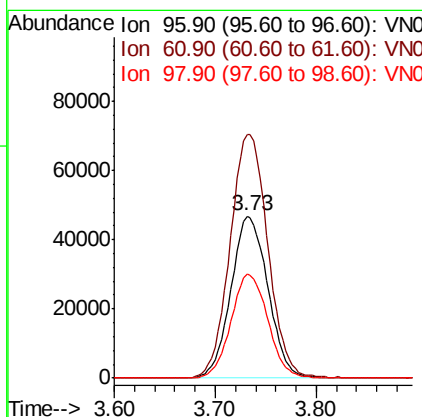
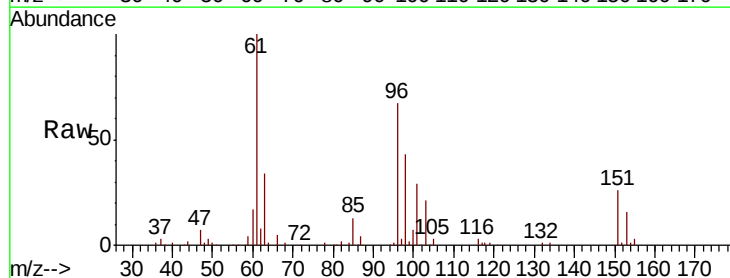
Tot Ion: 59 Resp: 56197
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.1 12.1

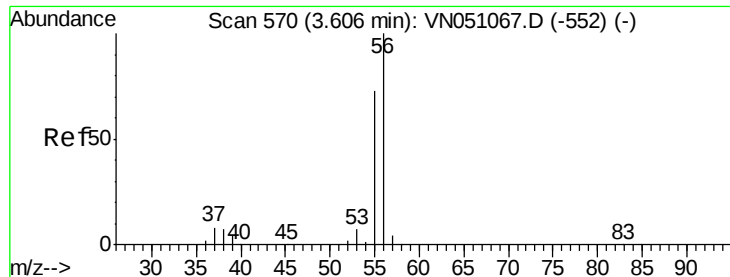


#12

1,1-Dichloroethene
 Concen: 17.79 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion: 96 Resp: 119255
 Ion Ratio Lower Upper
 96 100
 61 150.2 120.3 180.5
 98 64.2 50.8 76.2





#13

Acrolein

Concen: 101.65 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

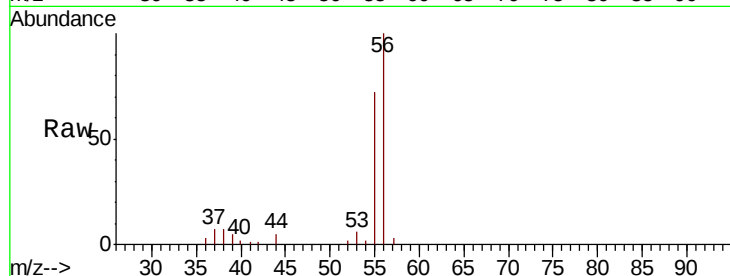
VN0912WBS01

Tot Ion: 56 Resp: 55882

Ion Ratio Lower Upper

56 100

55 72.5 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

25000

20000

15000

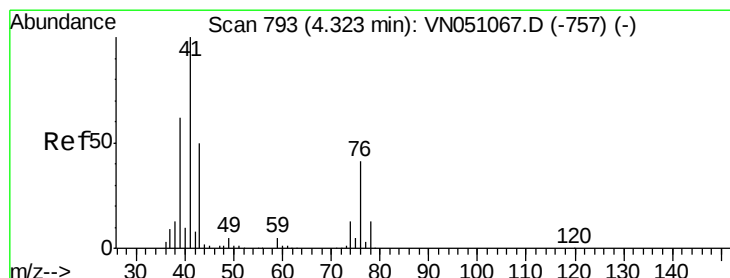
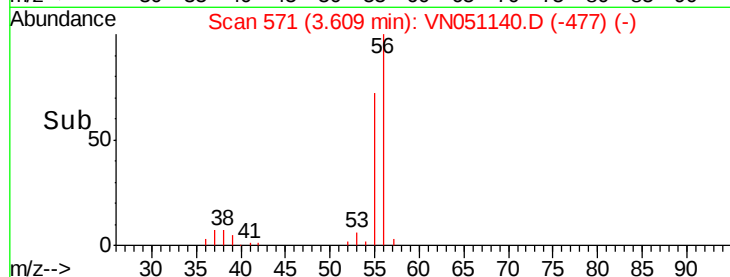
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 17.87 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

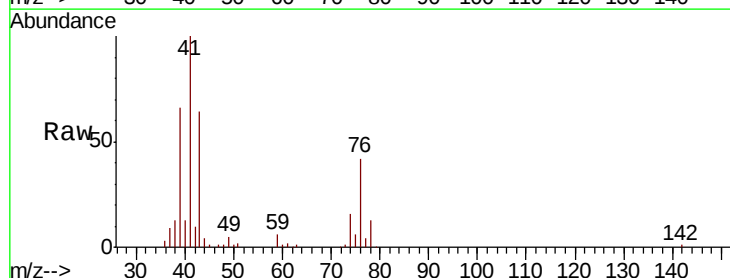
Tgt Ion: 41 Resp: 182569

Ion Ratio Lower Upper

41 100

39 62.8 48.8 73.2

76 38.5 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

80000

60000

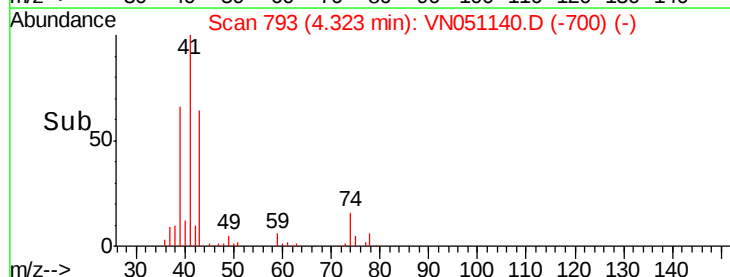
40000

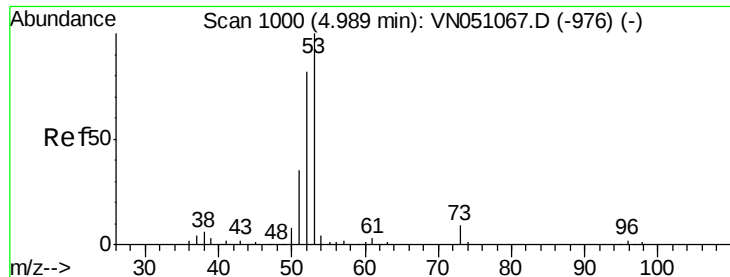
20000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 103.05 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

VN0912WBS01

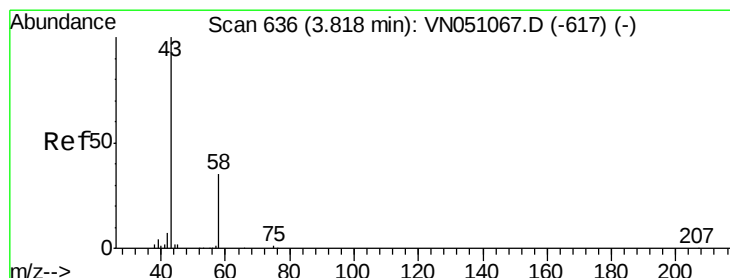
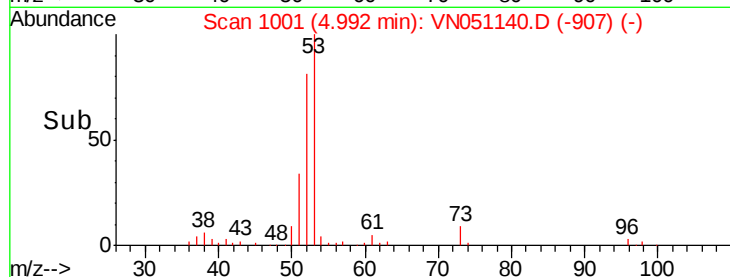
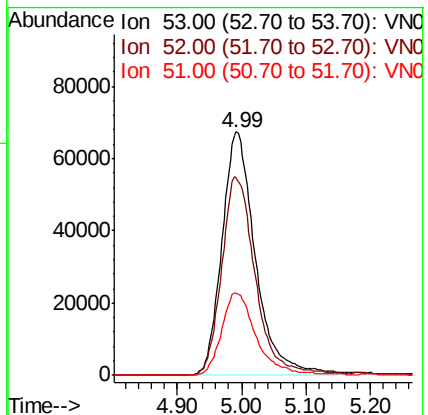
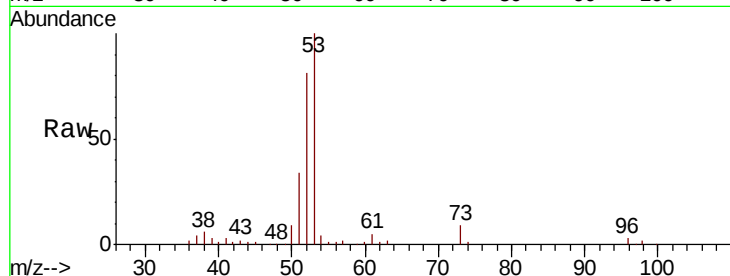
Tot Ion: 53 Resp: 243971

Ion Ratio Lower Upper

53 100

52 81.2 65.3 97.9

51 35.0 28.2 42.2



#16

Acetone

Concen: 103.48 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051140.D

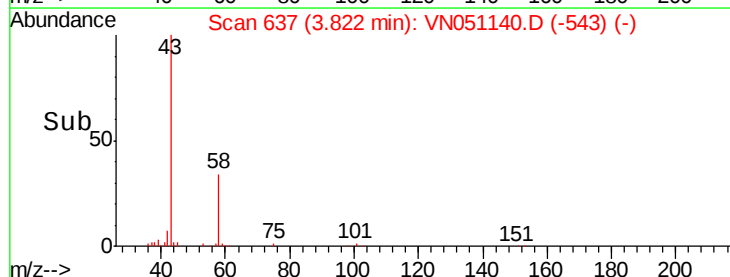
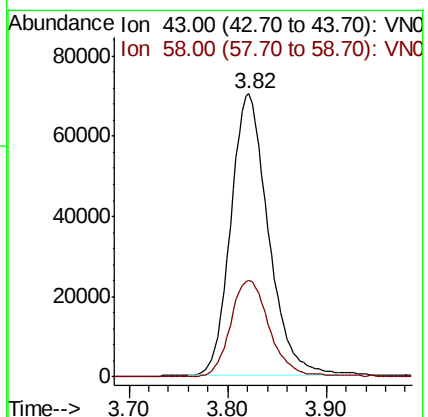
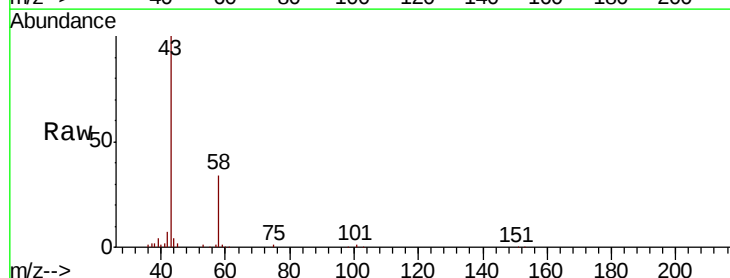
Acq: 12 Sep 2018 10:02

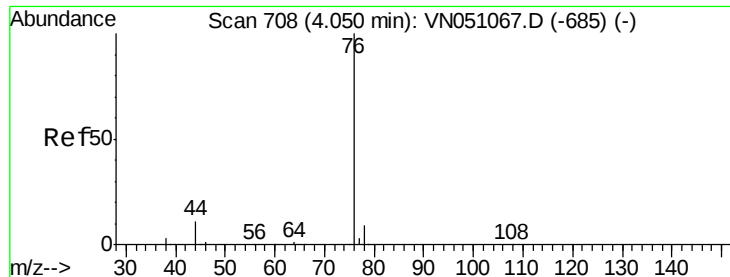
Tgt Ion: 43 Resp: 184892

Ion Ratio Lower Upper

43 100

58 34.5 27.8 41.6

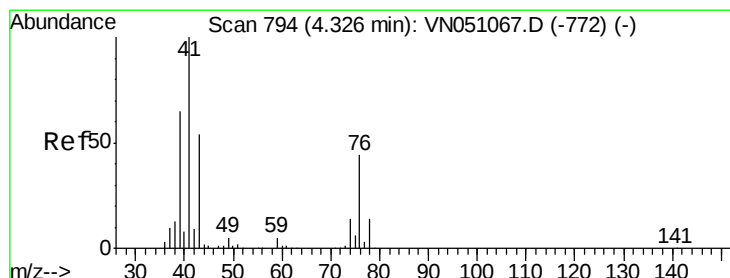
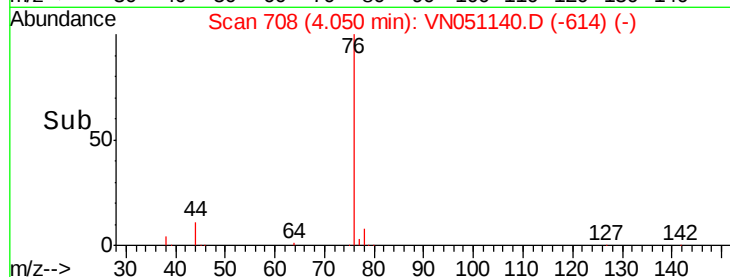
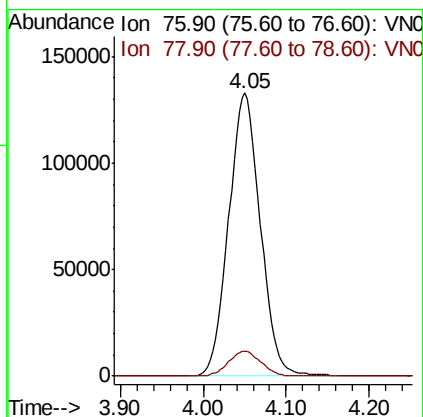
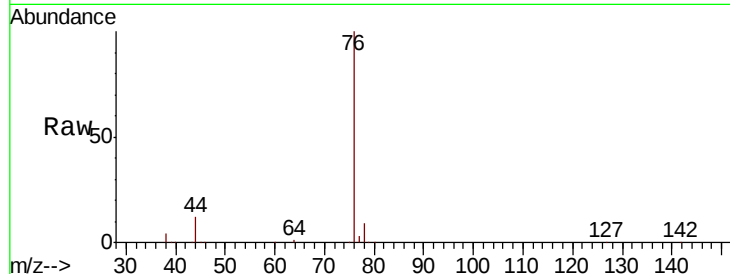




#17
Carbon Disulfide
Concen: 17.94 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

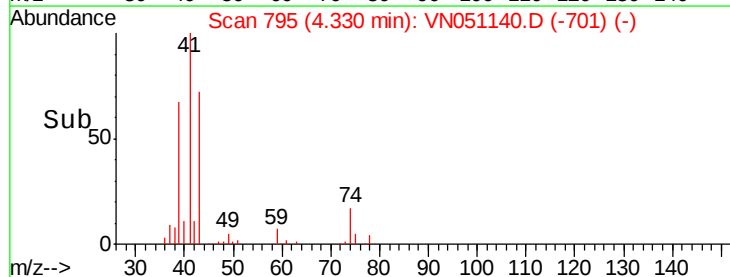
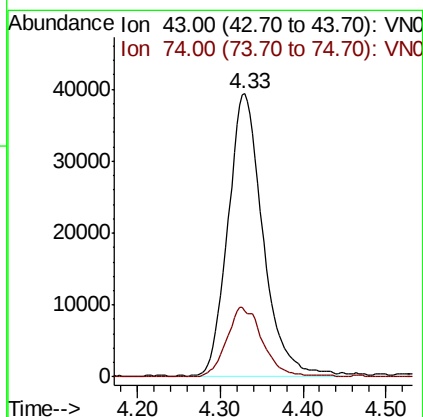
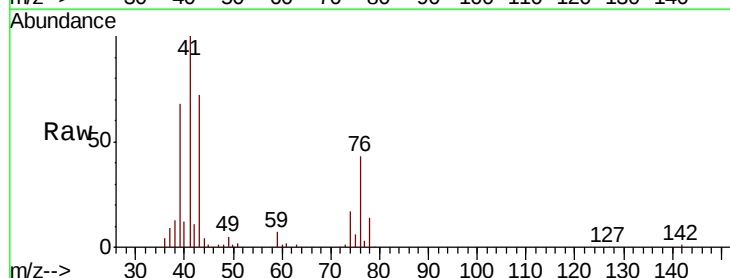
Instrument :
MSVOA_N
ClientSampled :
VN0912WBS01

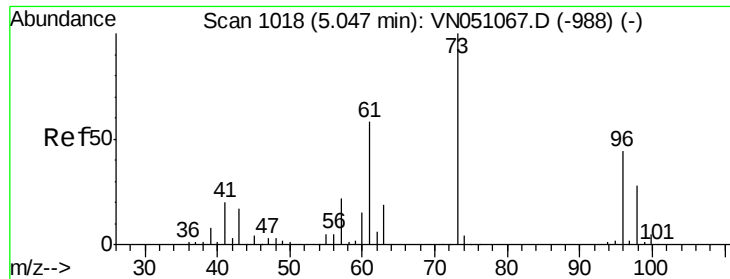
Tot Ion: 76 Resp: 353055
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 20.75 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion: 43 Resp: 116224
Ion Ratio Lower Upper
43 100
74 25.1 20.7 31.1

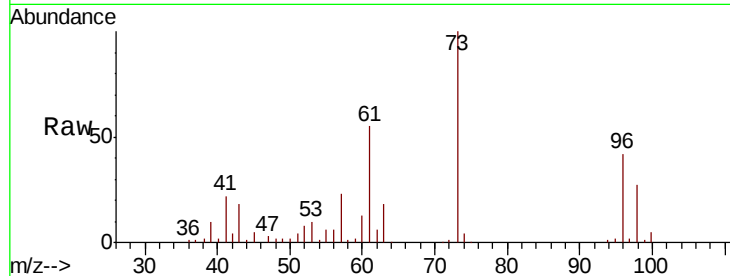




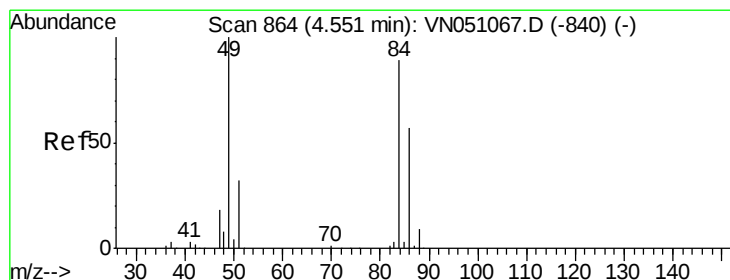
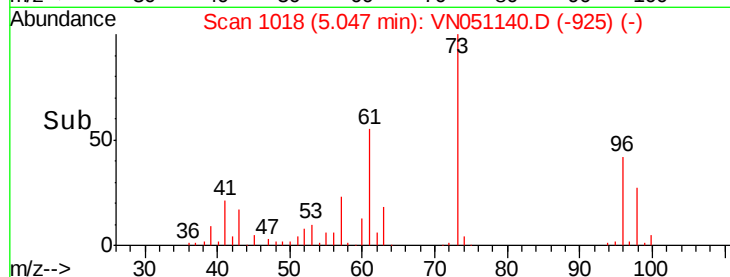
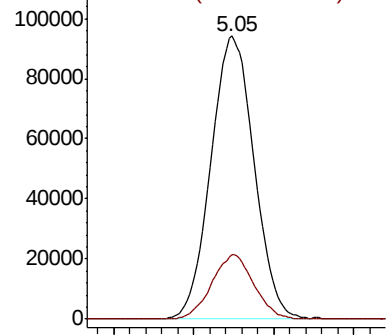
#19
Methvl tert-butvl Ether
Concen: 19.55 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampled :
VN0912WBS01

Tot Ion: 73 Resp: 346576
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9

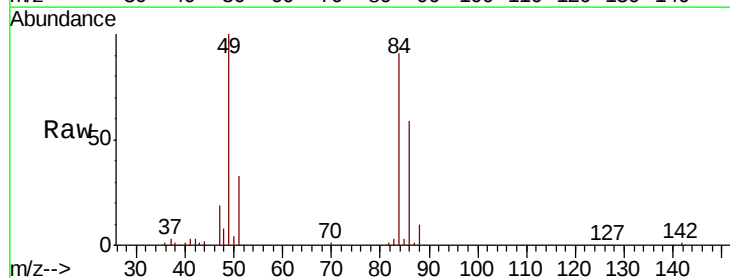


Abundance Ion 73.00 (72.70 to 73.70): VNO
Ion 57.00 (56.70 to 57.70): VNO

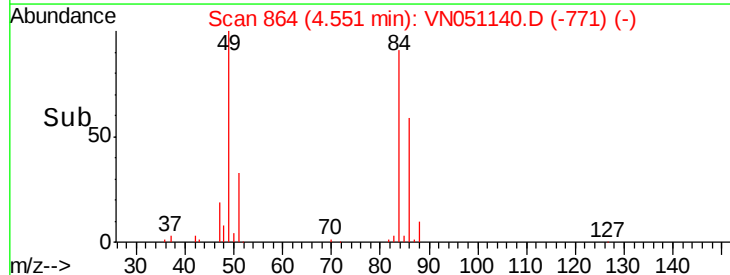
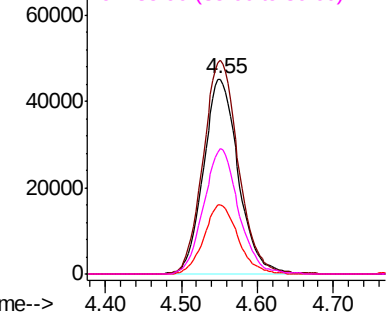


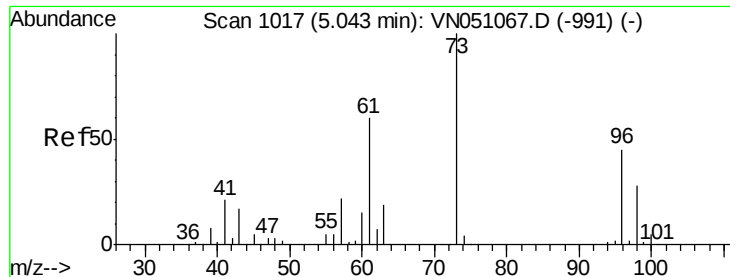
#20
Methylene Chloride
Concen: 18.62 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion: 84 Resp: 143899
Ion Ratio Lower Upper
84 100
49 109.5 90.2 135.2
51 35.6 28.4 42.6
86 64.2 51.8 77.8



Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

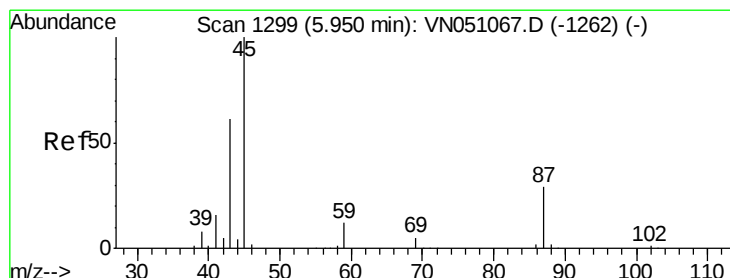
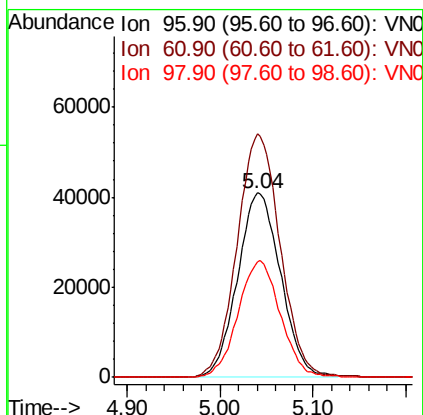
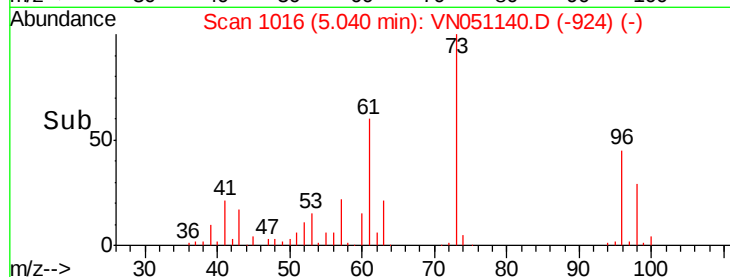
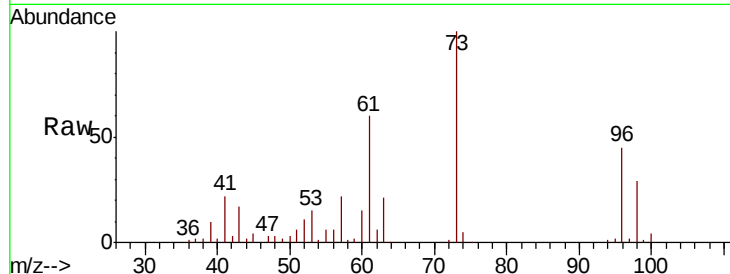




#21
trans-1,2-Dichloroethene
Concen: 18.18 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

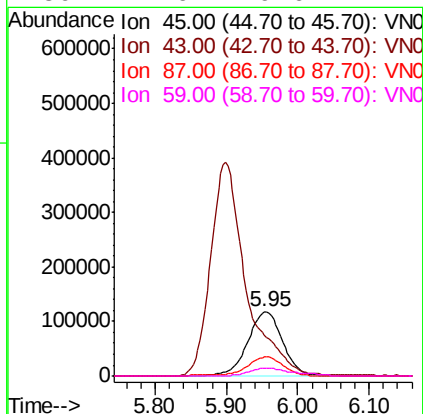
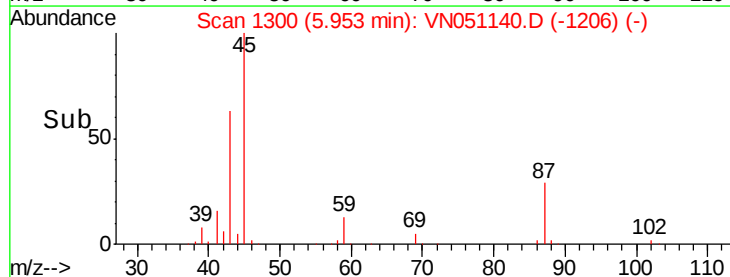
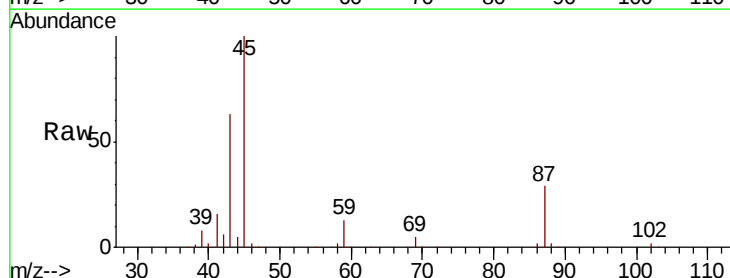
Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

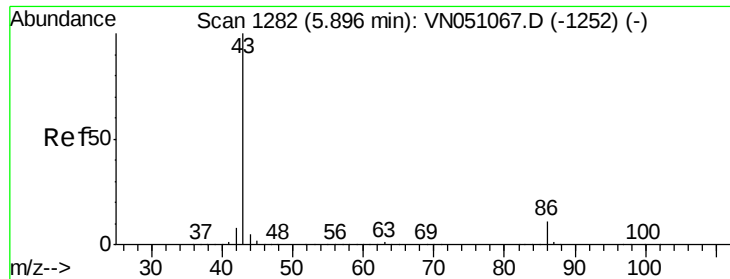
Tot Ion: 96 Resp: 132238
Ion Ratio Lower Upper
96 100
61 132.2 106.5 159.7
98 63.0 50.4 75.6



#22
Diisopropyl ether
Concen: 19.72 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion: 45 Resp: 399896
Ion Ratio Lower Upper
45 100
43 61.5 48.8 73.2
87 29.1 23.8 35.8
59 12.6 9.6 14.4





#23

Vinyl Acetate

Concen: 98.80 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

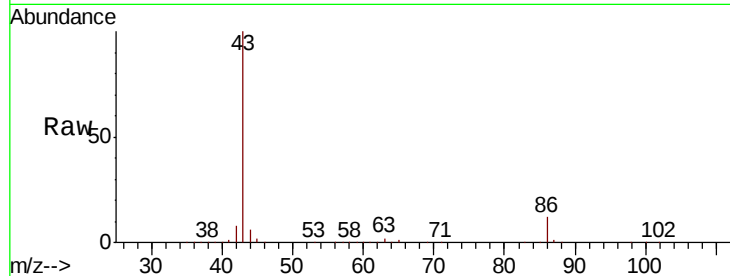
VN0912WBS01

Tot Ion: 43 Resp: 1355756

Ion Ratio Lower Upper

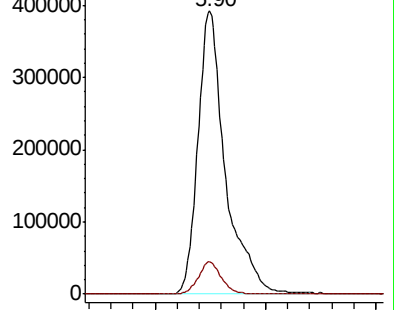
43 100

86 11.5 9.2 13.8

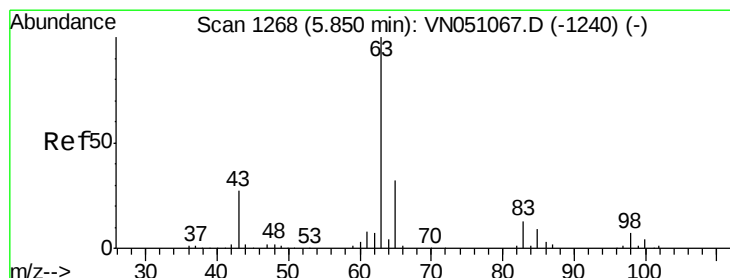
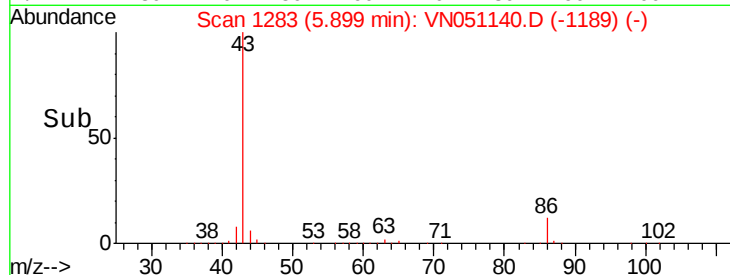


Abundance Ion 43.00 (42.70 to 43.70): VN051140.D (-1282) (-)

Ion 86.00 (85.70 to 86.70): VN051140.D (-1282) (-)



Time-->



#24

1,1-Dichloroethane

Concen: 18.82 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

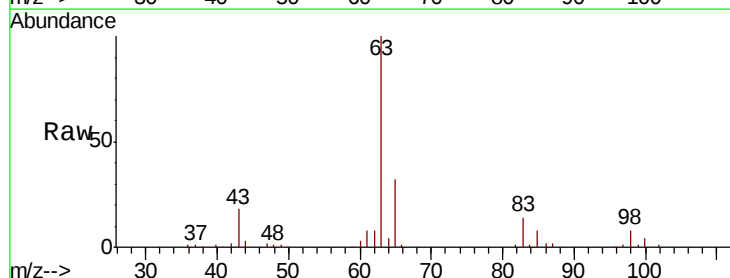
Tgt Ion: 63 Resp: 242106

Ion Ratio Lower Upper

63 100

98 7.5 3.4 10.1

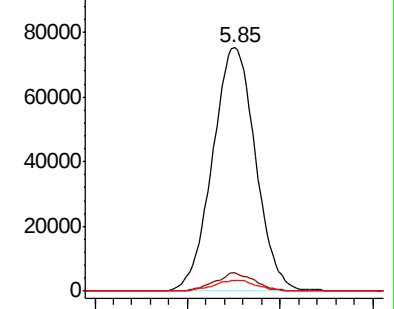
100 4.3 2.1 6.3



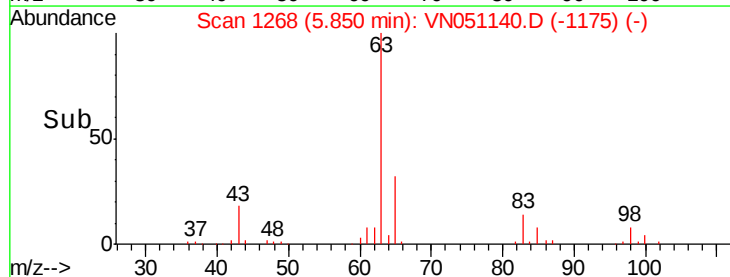
Abundance Ion 62.90 (62.60 to 63.60): VN051140.D (-1268) (-)

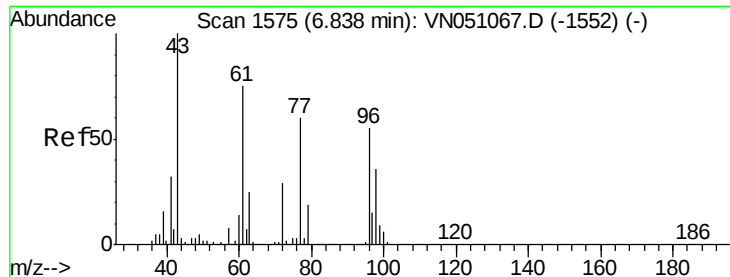
Ion 97.90 (97.60 to 98.60): VN051140.D (-1268) (-)

Ion 99.90 (99.60 to 100.60): VN051140.D (-1268) (-)



Time-->

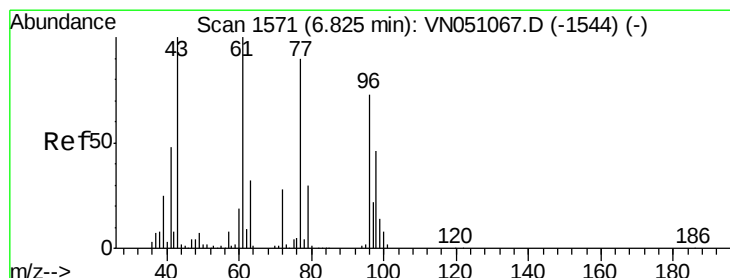
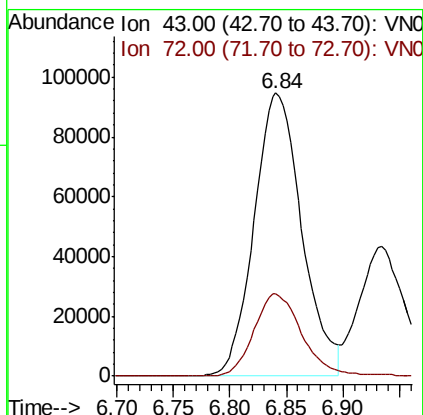
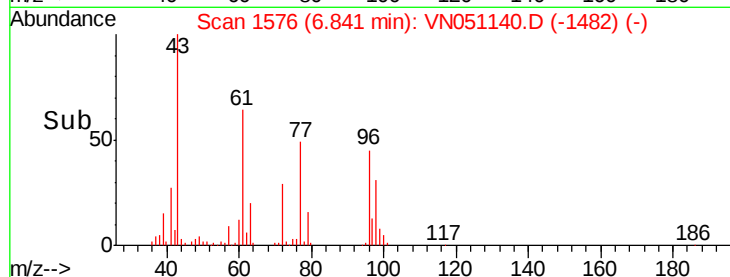
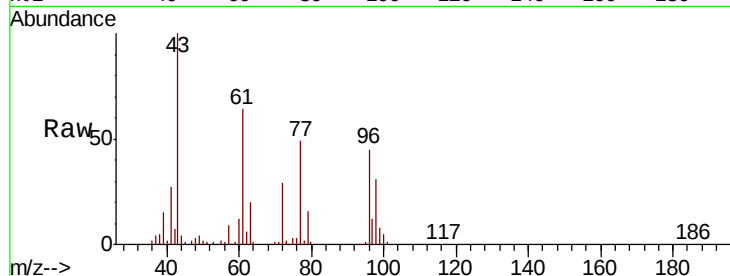




#25
2-Butanone
Concen: 100.70 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

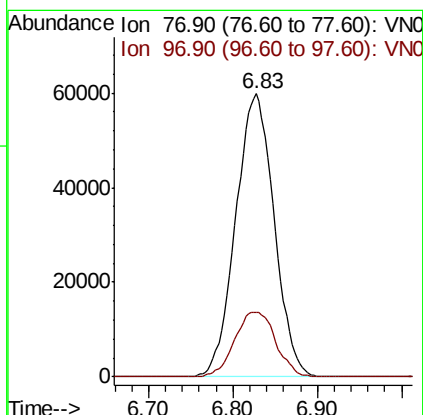
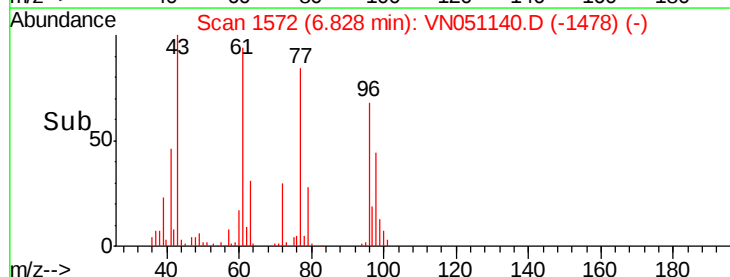
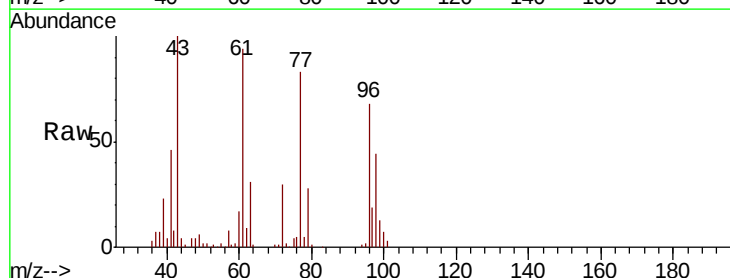
Instrument :
MSVOA_N
ClientSampled :
VN0912WBS01

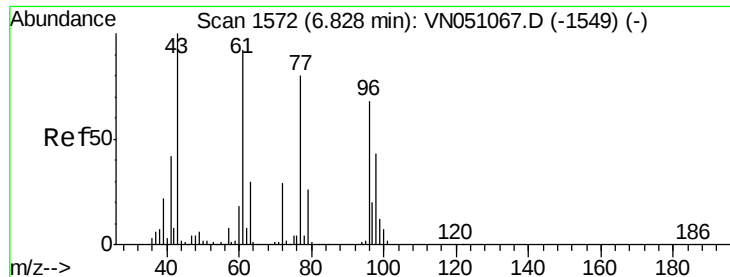
Tot Ion: 43 Resp: 276952
Ion Ratio Lower Upper
43 100
72 29.1 23.0 34.6



#26
2,2-Dichloropropane
Concen: 17.99 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion: 77 Resp: 189474
Ion Ratio Lower Upper
77 100
97 24.4 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 18.28 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

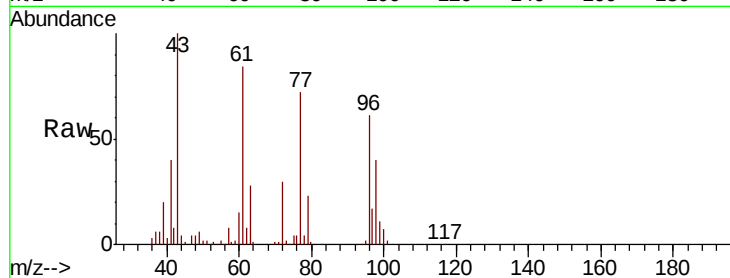
Tot Ion: 96 Resp: 145817

Ion Ratio Lower Upper

96 100

61 139.8 0.0 278.2

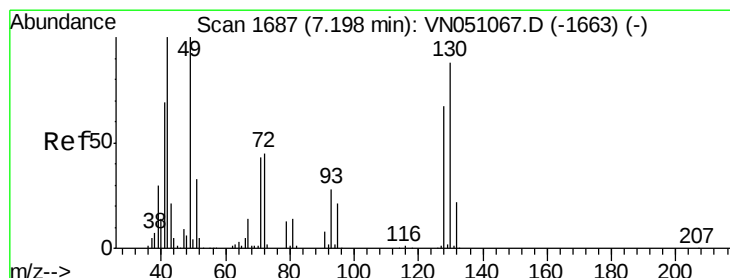
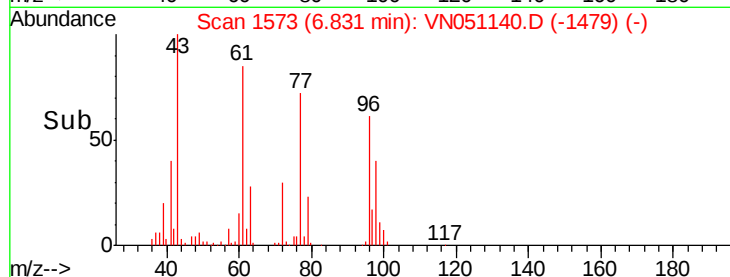
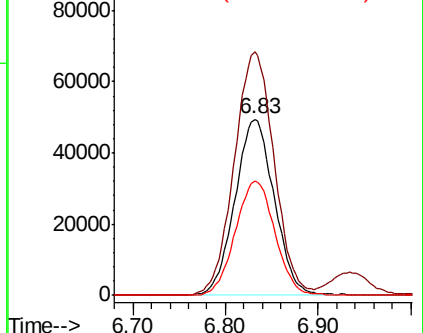
98 65.3 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN051067.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN051067.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN051067.D (-1549) (-)



#28

Bromochloromethane

Concen: 19.25 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

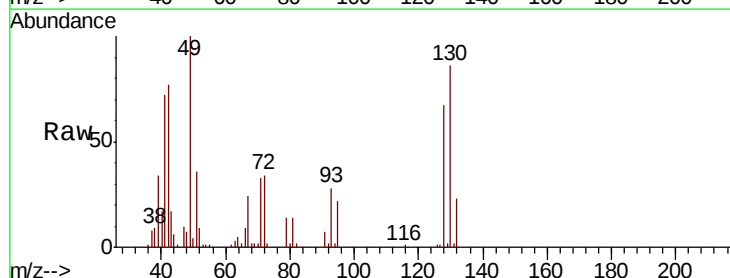
Tgt Ion: 49 Resp: 110228

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

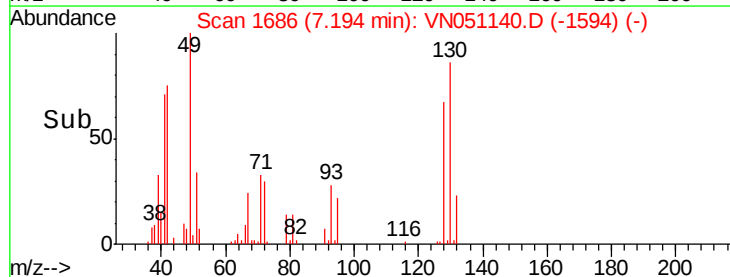
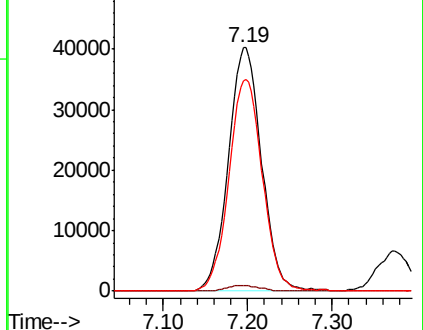
130 87.5 70.7 106.1

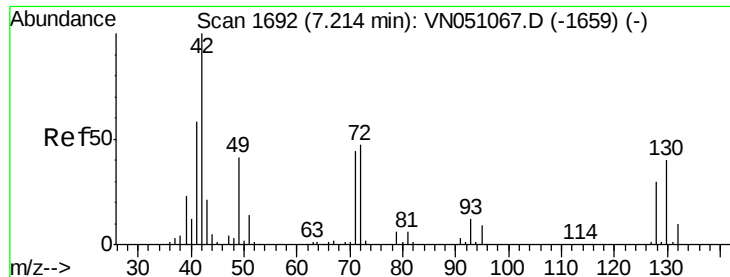


Abundance Ion 48.90 (48.60 to 49.60): VN051067.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN051067.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN051067.D (-1663) (-)

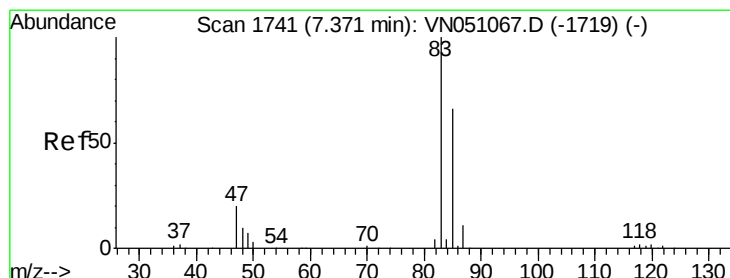
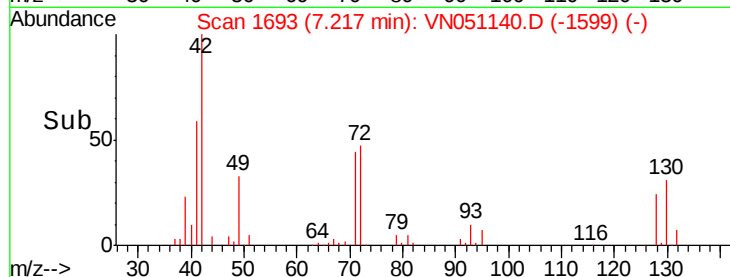
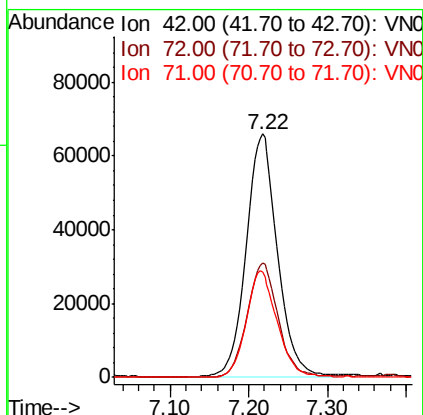
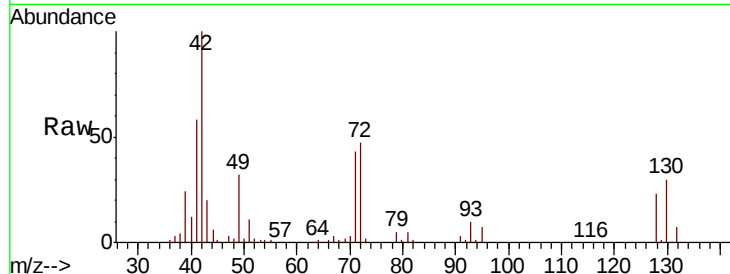




#29
Tetrahydrofuran
Concen: 107.79 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

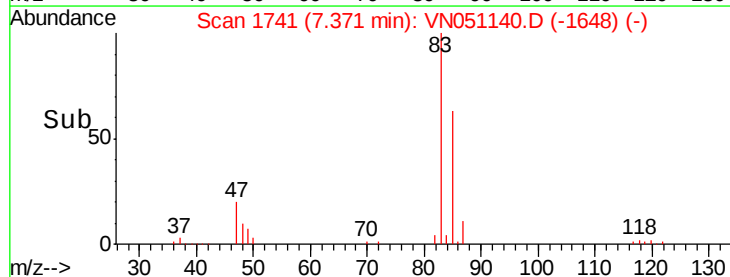
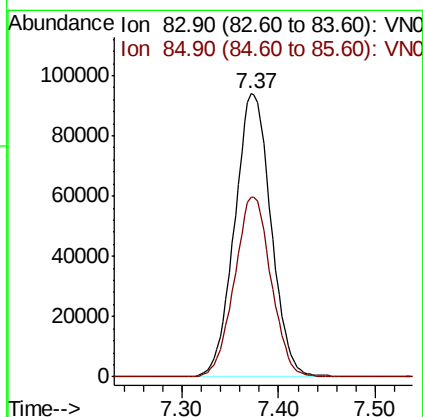
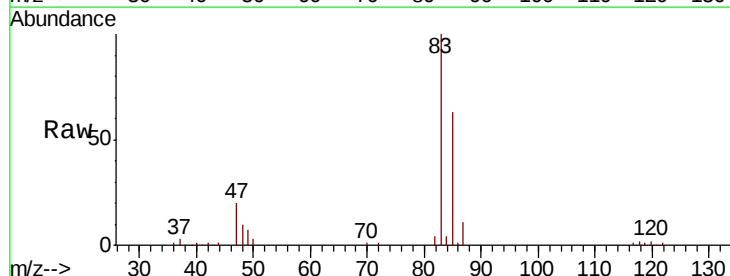
Instrument :
MSVOA_N
ClientSampled :
VN0912WBS01

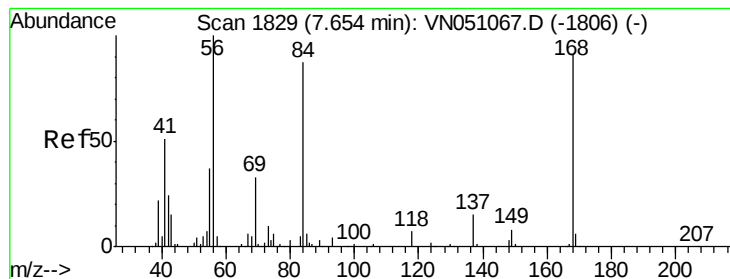
Tot Ion: 42 Resp: 185130
Ion Ratio Lower Upper
42 100
72 47.0 37.4 56.0
71 43.3 34.7 52.1



#30
Chloroform
Concen: 19.19 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion: 83 Resp: 245611
Ion Ratio Lower Upper
83 100
85 63.4 52.6 79.0





#31

Cyclohexane

Concen: 18.45 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

VN0912WBS01

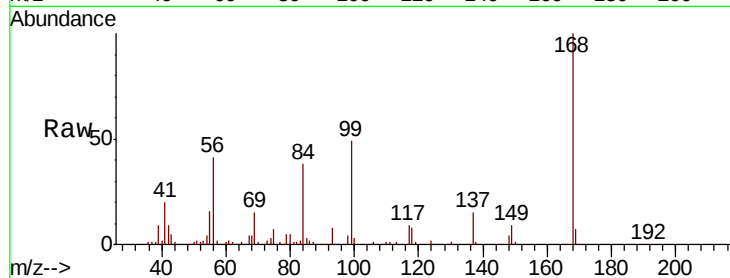
Tot Ion: 56 Resp: 213288

Ion Ratio Lower Upper

56 100

69 37.4 26.3 39.5

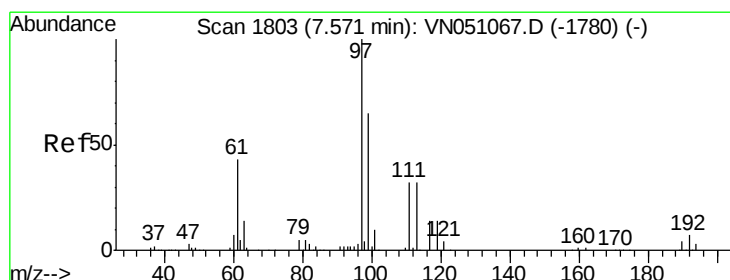
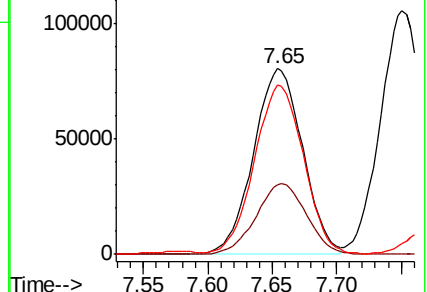
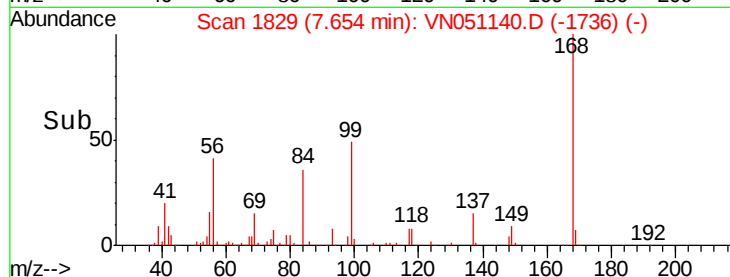
84 90.1 69.4 104.0



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: 19.11 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

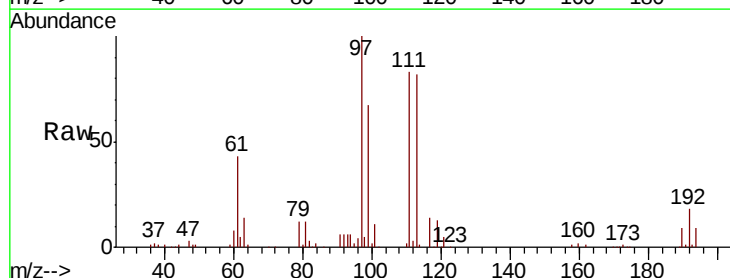
Tgt Ion: 97 Resp: 208379

Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

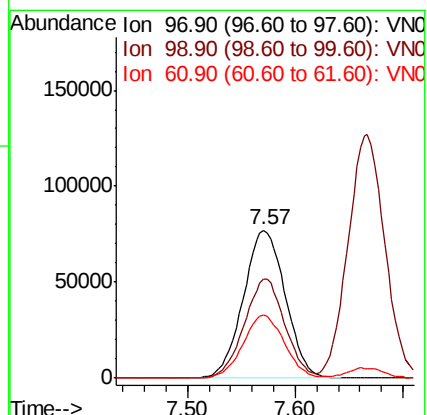
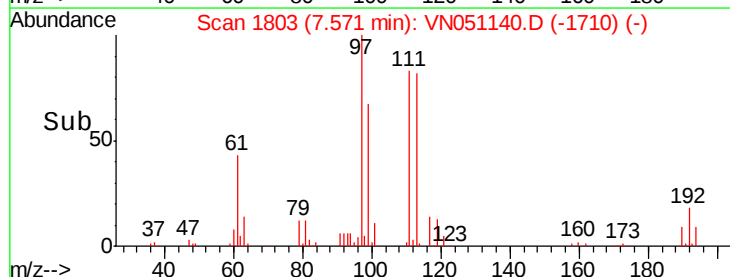
61 41.9 33.8 50.6

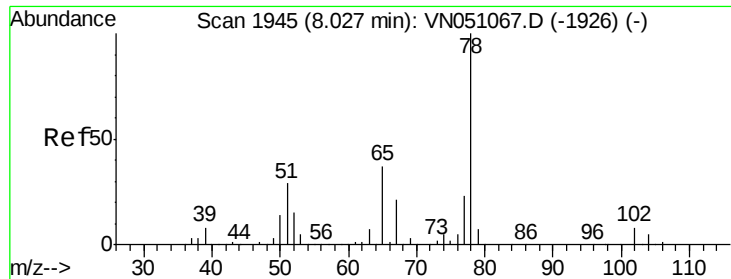


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

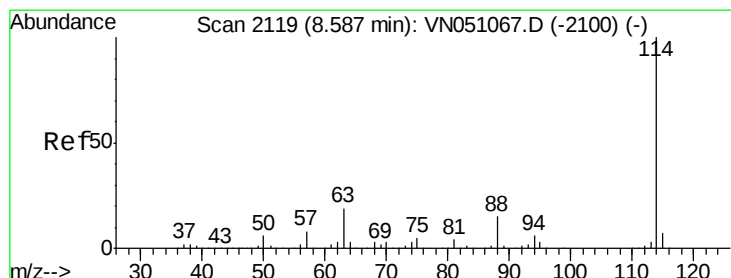
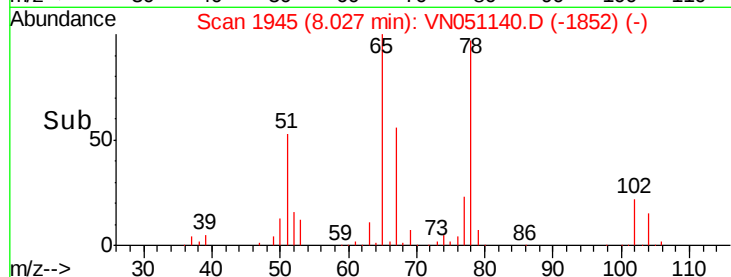
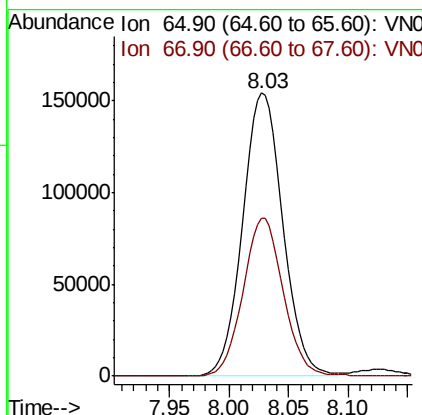
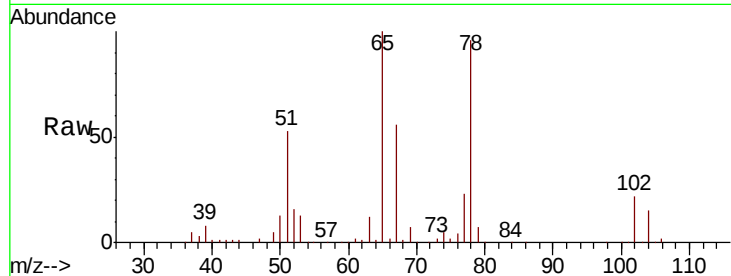




#33
 1,2-Dichloroethane-d4
 Concen: 51.67 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

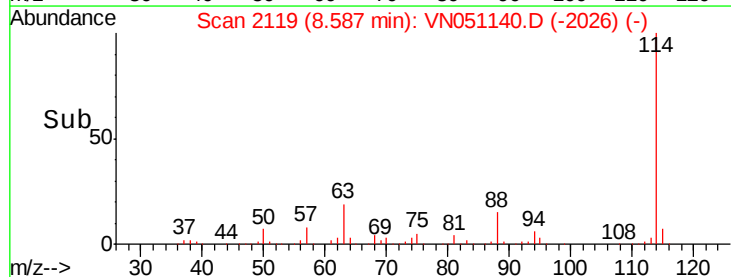
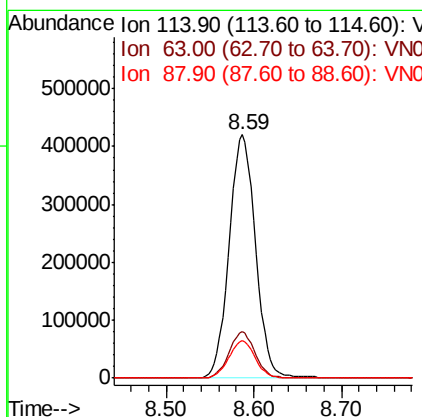
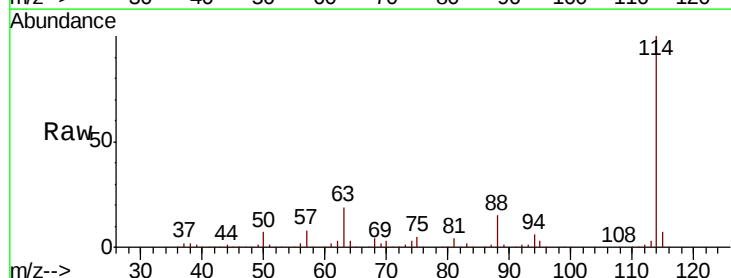
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

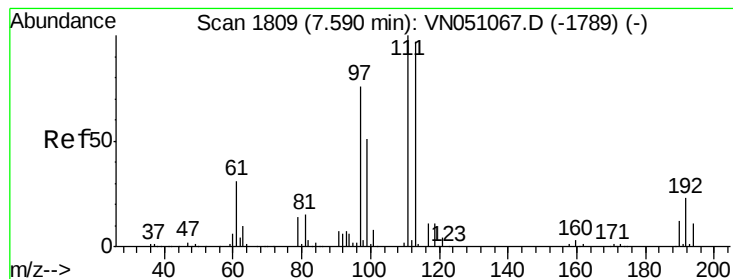
Tot Ion: 65 Resp: 361434
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion: 114 Resp: 880476
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.8
 88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.50 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

VN0912WBS01

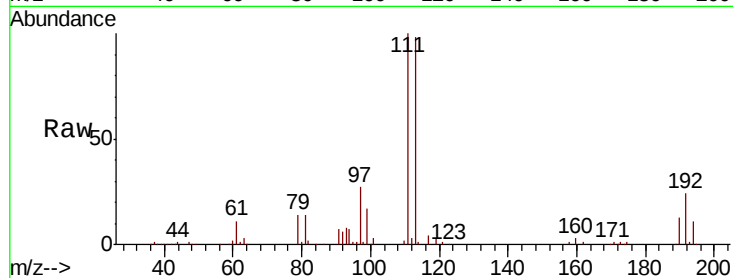
Tot Ion:113 Resp: 347372

Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.6

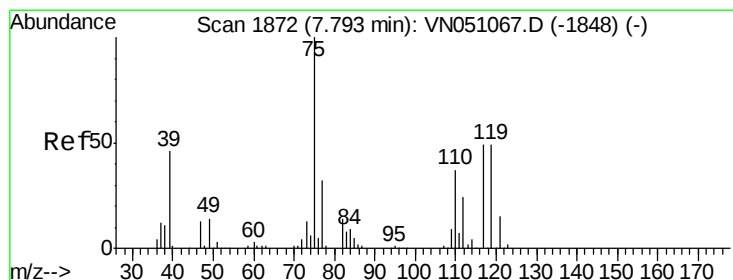
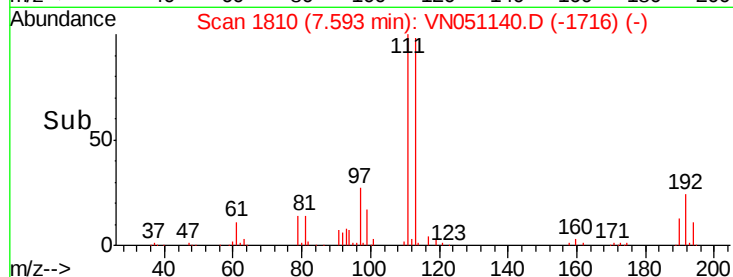
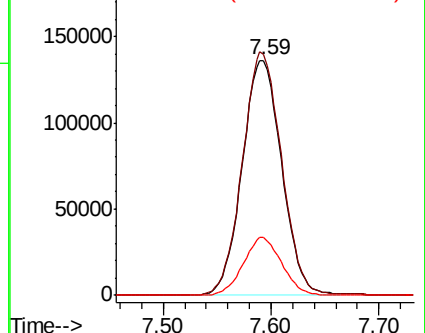
192 24.0 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.98 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

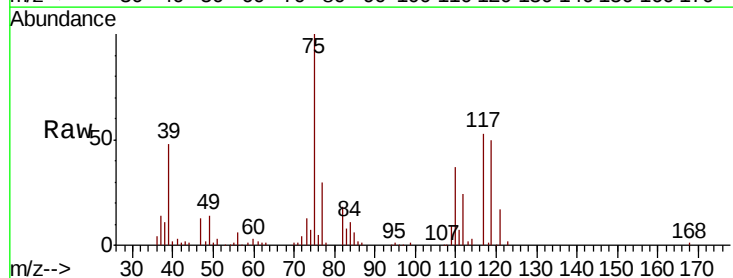
Tgt Ion: 75 Resp: 183504

Ion Ratio Lower Upper

75 100

110 37.3 18.6 55.8

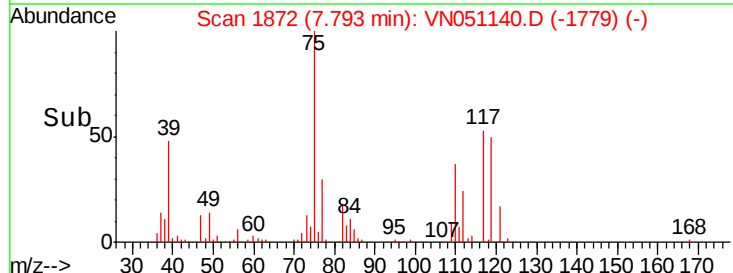
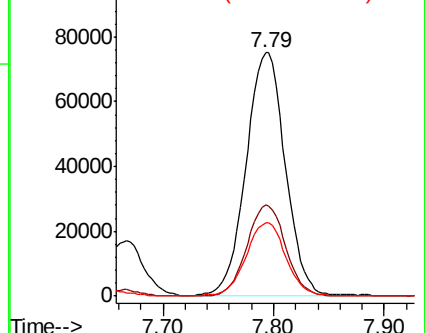
77 30.9 25.2 37.8

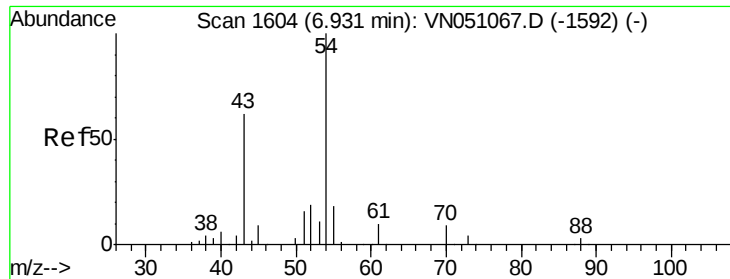


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

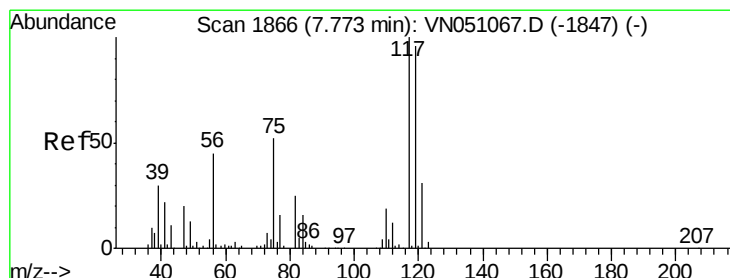
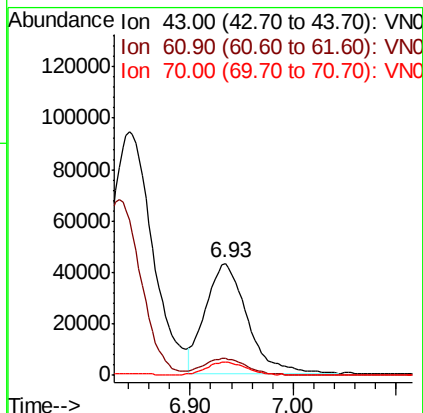
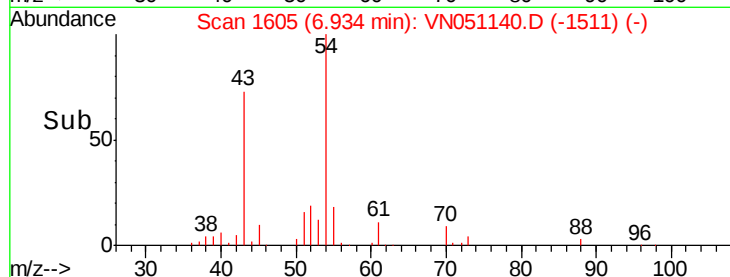
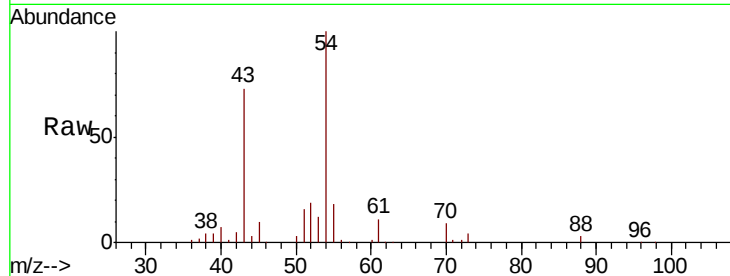




#37
Ethyl Acetate
Concen: 21.66 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

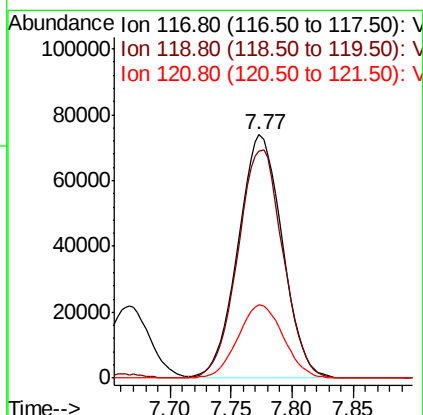
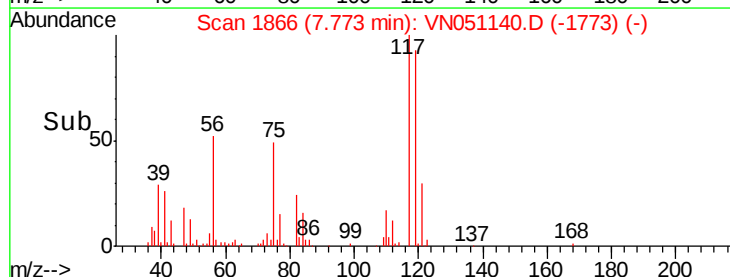
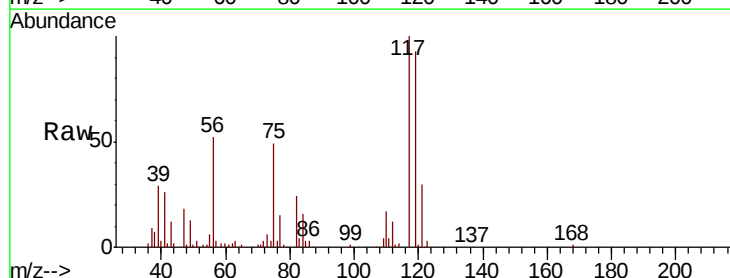
Instrument :
MSVOA_N
ClientSampled :
VN0912WBS01

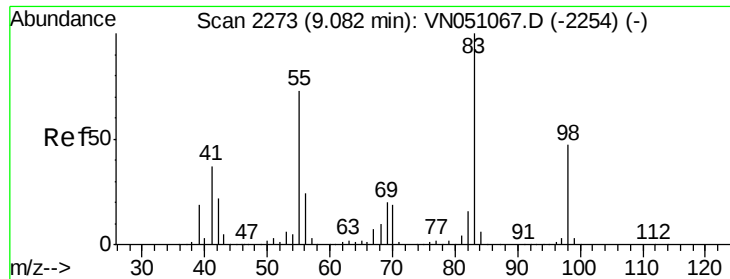
Tot Ion: 43 Resp: 121241
Ion Ratio Lower Upper
43 100
61 15.5 12.4 18.6
70 11.8 9.3 13.9



#38
Carbon Tetrachloride
Concen: 19.42 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion: 117 Resp: 184770
Ion Ratio Lower Upper
117 100
119 93.3 76.8 115.2
121 30.0 24.6 36.8

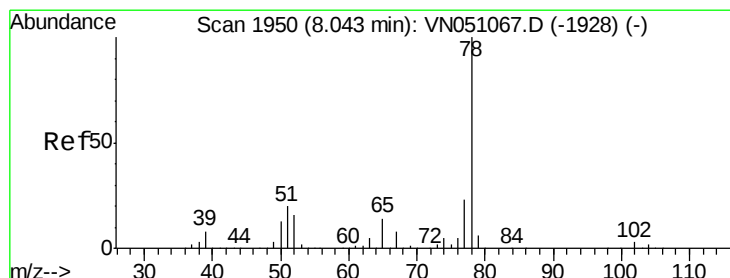
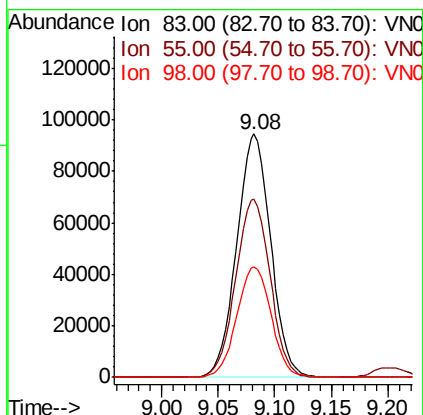
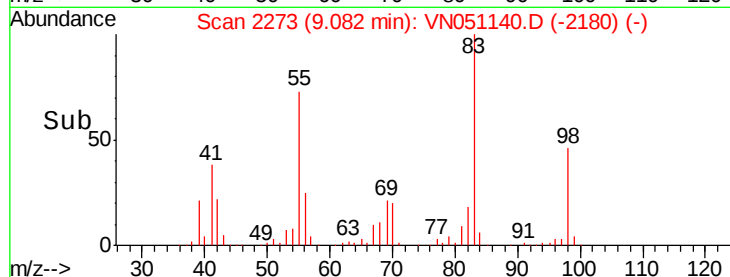
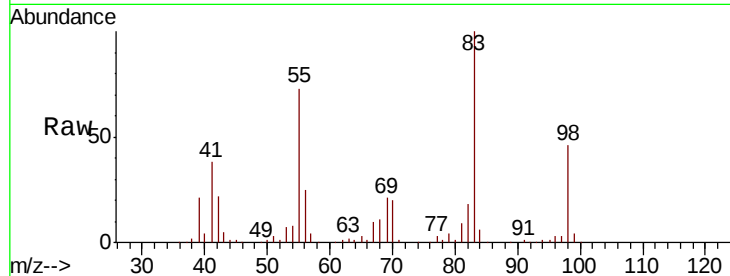




#39
Methvlcvclohexane
Concen: 18.55 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

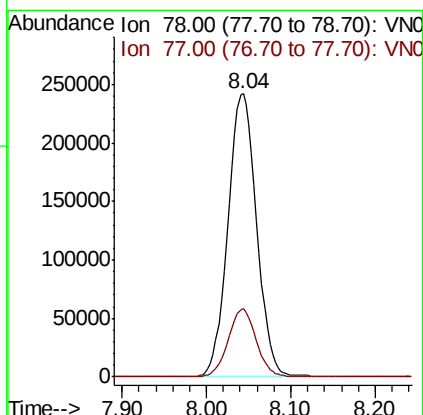
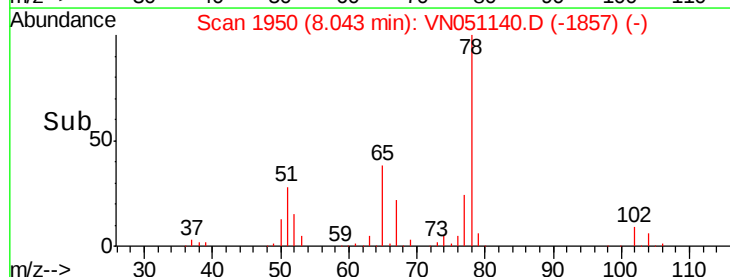
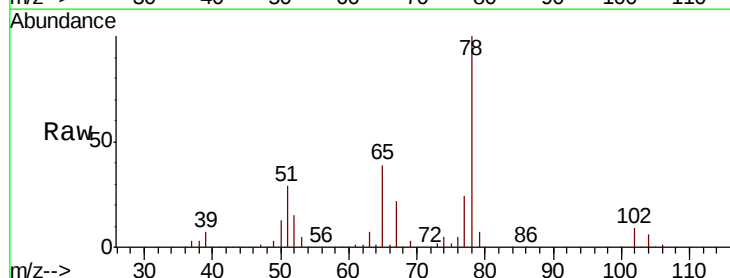
Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

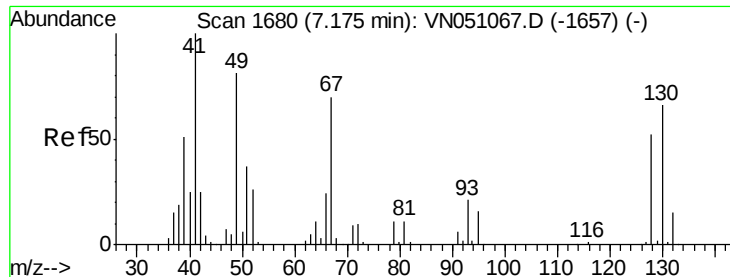
Tot Ion: 83 Resp: 197843
Ion Ratio Lower Upper
83 100
55 73.4 58.4 87.6
98 45.6 37.3 55.9



#40
Benzene
Concen: 19.63 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion: 78 Resp: 571940
Ion Ratio Lower Upper
78 100
77 24.1 18.6 27.8

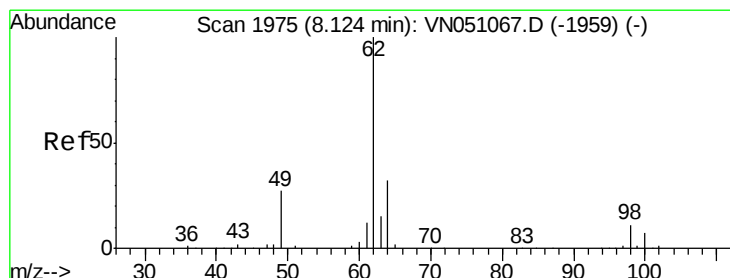
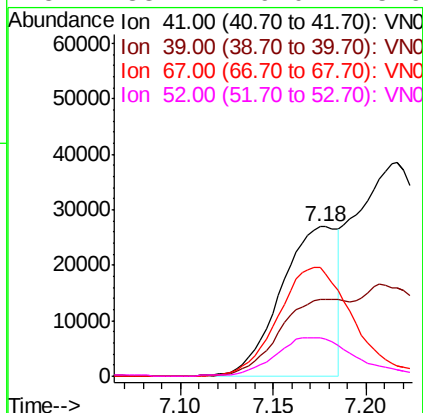
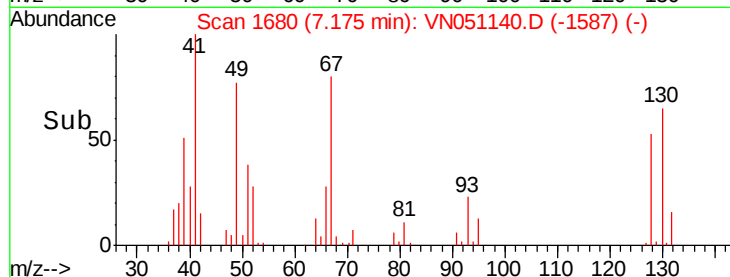
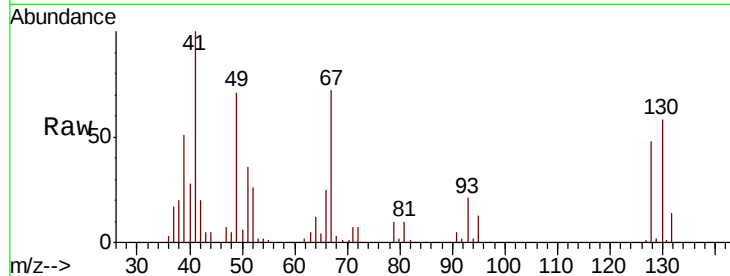




#41
Methacrylonitrile
Concen: 19.87 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

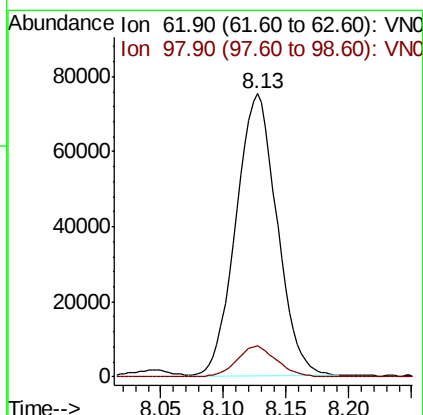
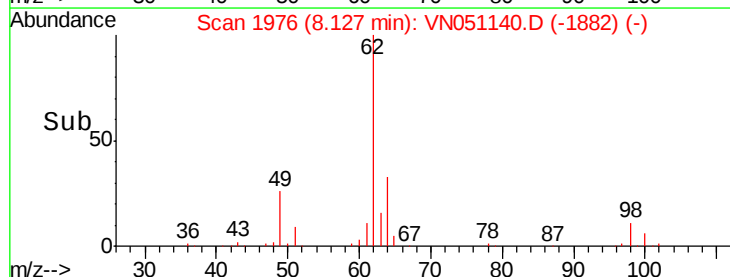
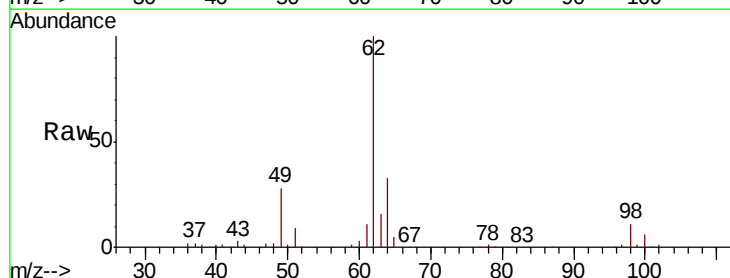
Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

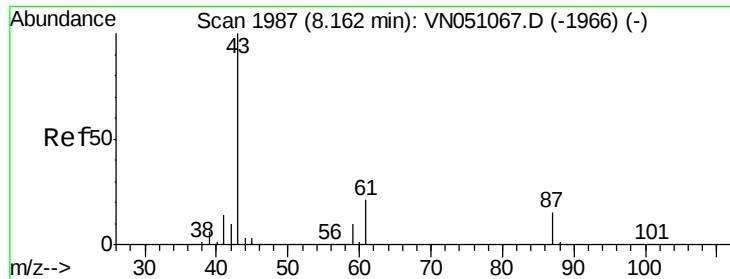
Tot Ion: 41 Resp: 57385
Ion Ratio Lower Upper
41 100
39 61.9 51.3 76.9
67 97.4 78.5 117.7
52 38.1 29.0 43.6



#42
1,2-Dichloroethane
Concen: 20.06 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion: 62 Resp: 170337
Ion Ratio Lower Upper
62 100
98 10.6 0.0 21.0





#43

Isopropyl Acetate

Concen: 20.81 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

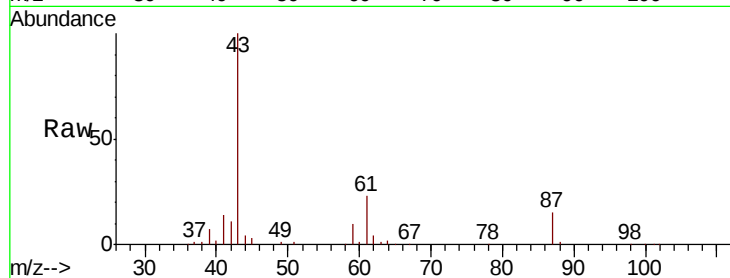
Tot Ion: 43 Resp: 205528

Ion Ratio Lower Upper

43 100

61 30.9 25.0 37.6

87 15.5 11.8 17.8

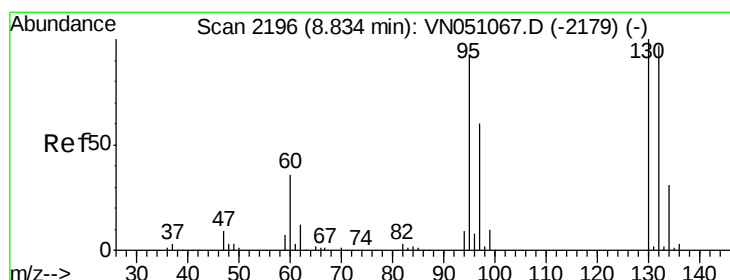
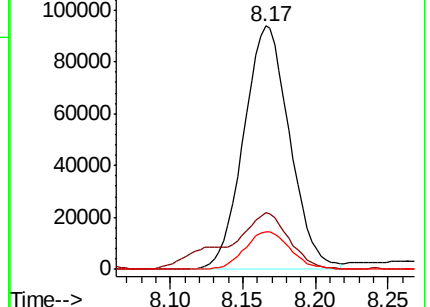
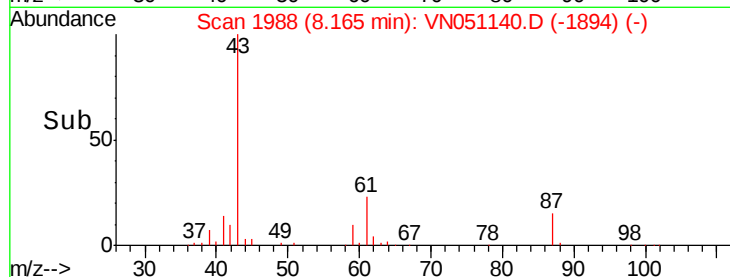


Abundance Ion 43.00 (42.70 to 43.70): VN051140.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN051140.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN051140.D (-1988) (-)

Time-->



#44

Trichloroethene

Concen: 18.92 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051140.D

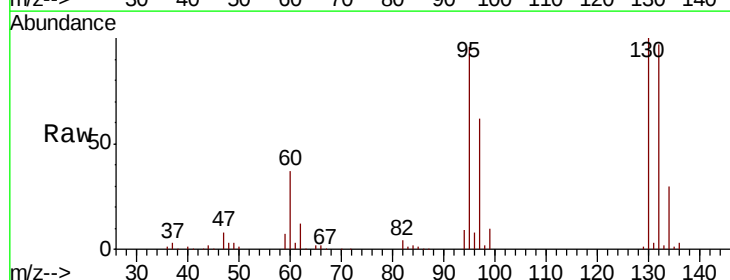
Acq: 12 Sep 2018 10:02

Tgt Ion:130 Resp: 150775

Ion Ratio Lower Upper

130 100

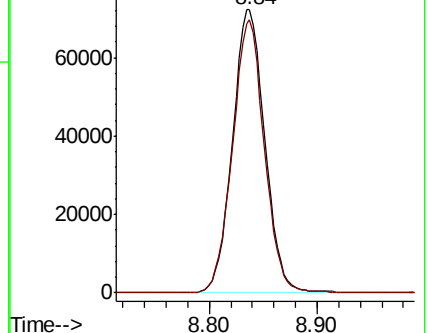
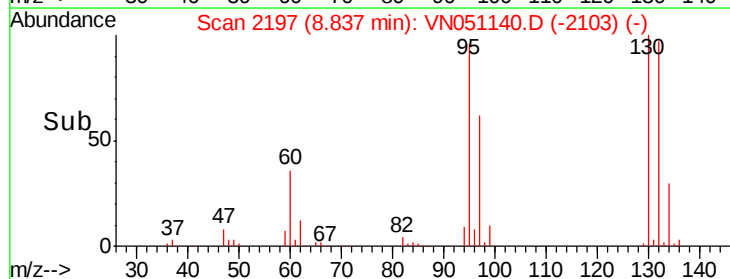
95 96.5 0.0 186.2

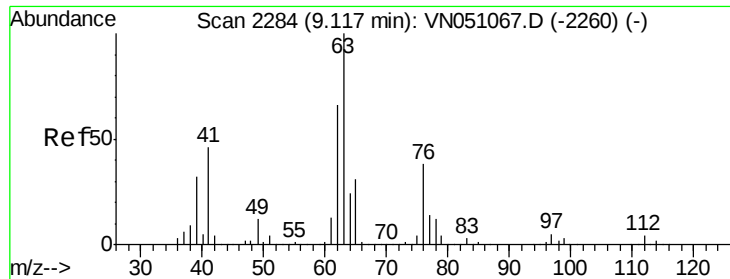


Abundance Ion 129.80 (129.50 to 130.50): VN051140.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN051140.D (-2197) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 19.79 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

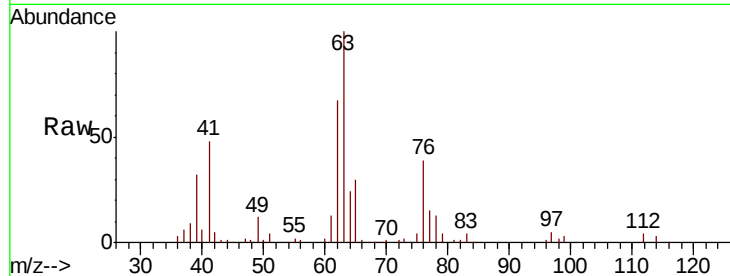
VN0912WBS01

Tot Ion: 63 Resp: 148977

Ion Ratio Lower Upper

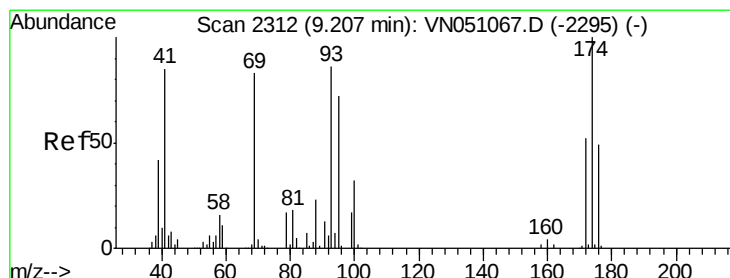
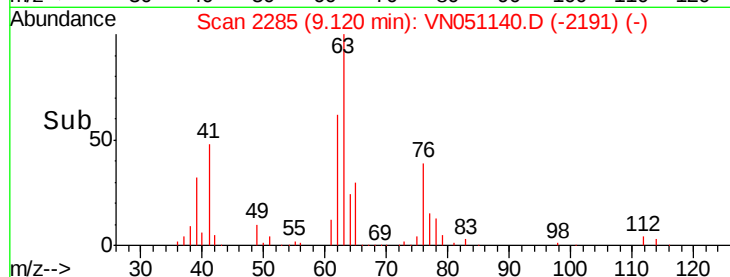
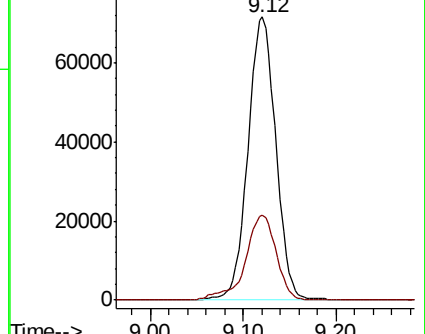
63 100

65 30.2 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: 19.75 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

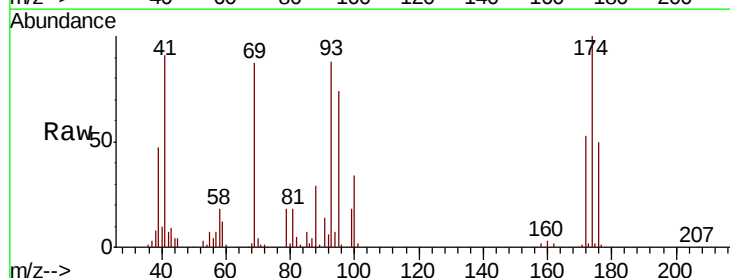
Tgt Ion: 93 Resp: 90714

Ion Ratio Lower Upper

93 100

95 84.2 66.8 100.2

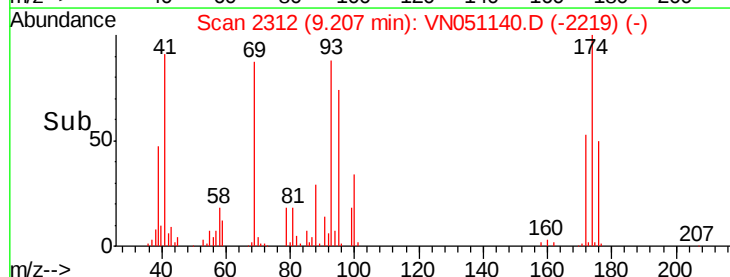
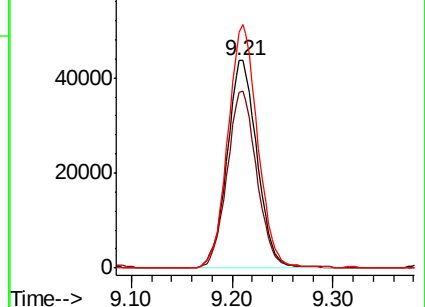
174 115.8 93.3 139.9



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: 20.20 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

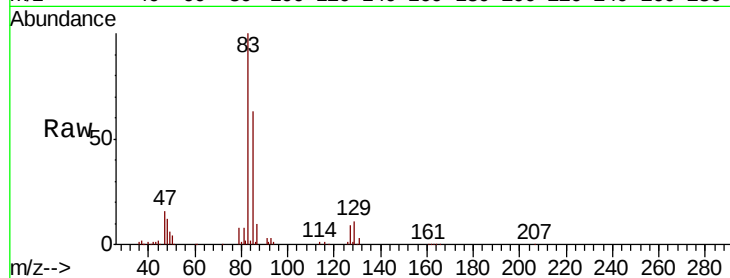
Tot Ion: 83 Resp: 188593

Ion Ratio Lower Upper

83 100

85 63.3 52.3 78.5

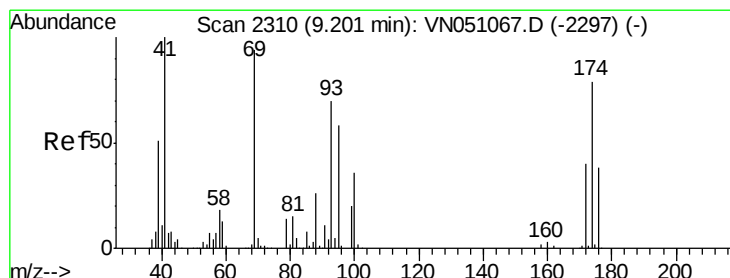
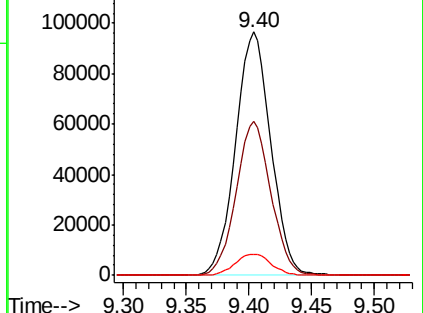
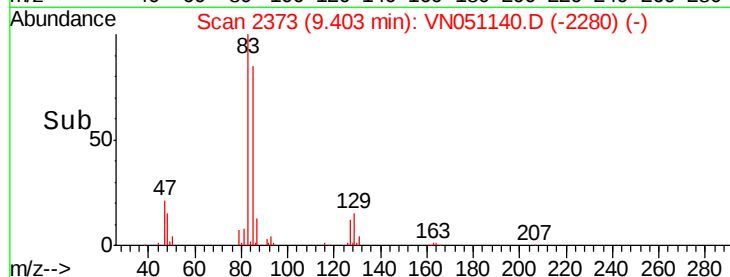
127 8.8 7.5 11.3



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: 21.02 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

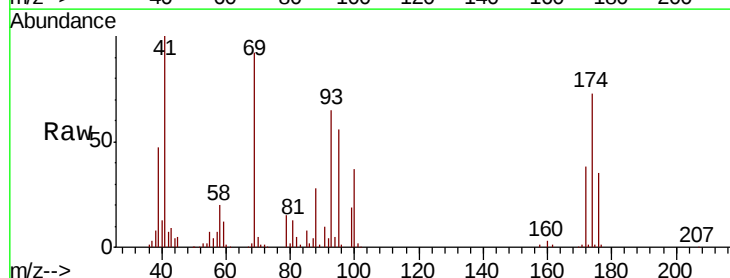
Tgt Ion: 41 Resp: 101196

Ion Ratio Lower Upper

41 100

69 96.3 77.7 116.5

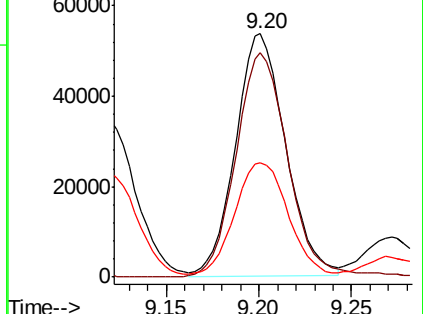
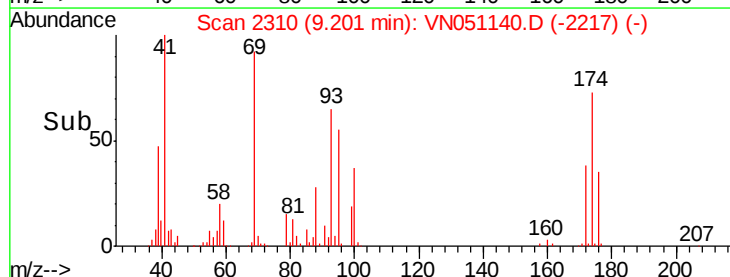
39 49.8 41.6 62.4

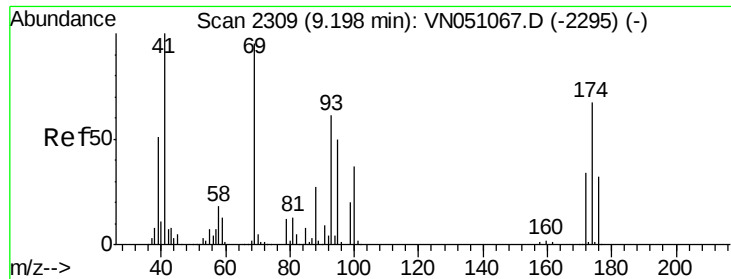


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

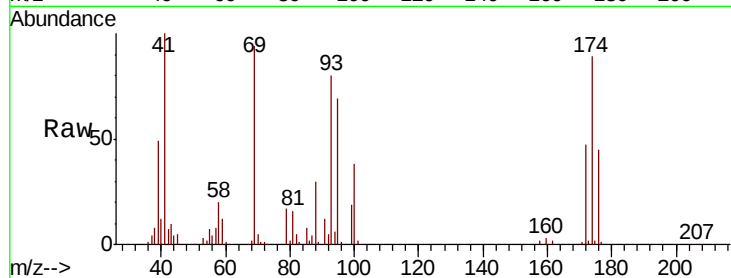




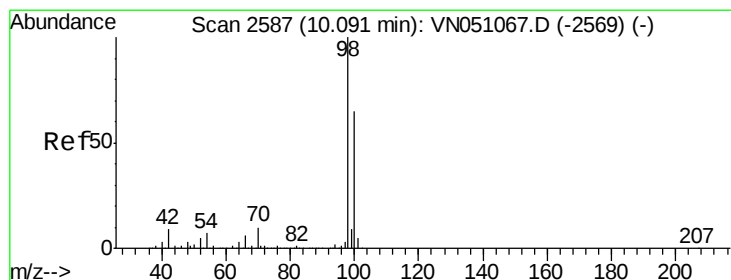
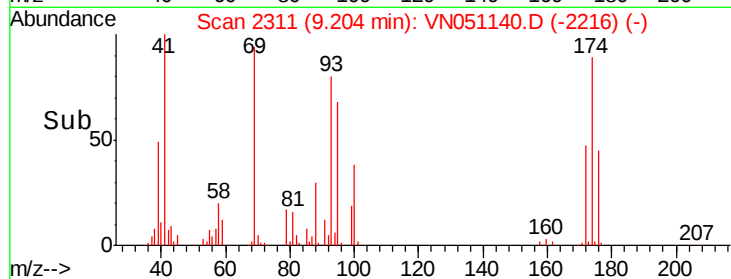
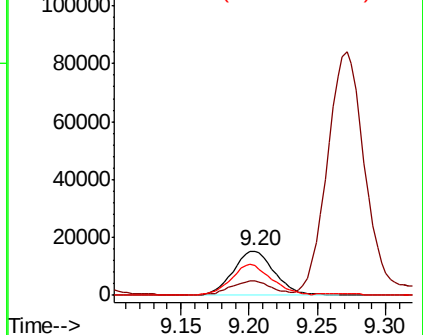
#49
1,4-Dioxane
Concen: 428.63 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampled :
VN0912WBS01

Tot Ion: 88 Resp: 32358
Ion Ratio Lower Upper
88 100
43 29.0 23.7 35.5
58 67.8 54.6 82.0

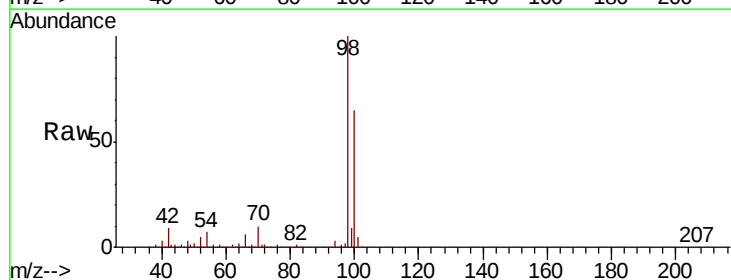


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

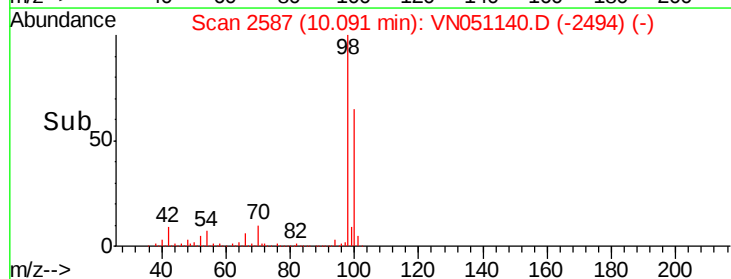
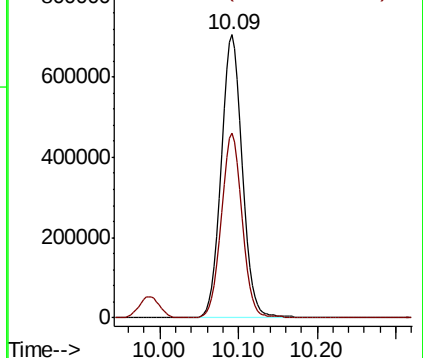


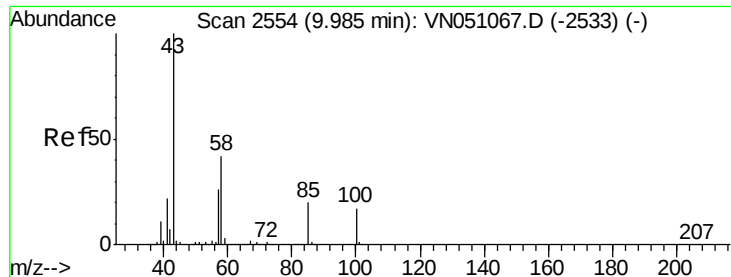
#50
Toluene-d8
Concen: 51.85 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion: 98 Resp: 1301654
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

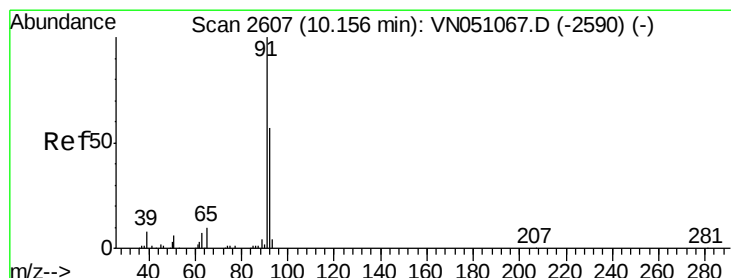
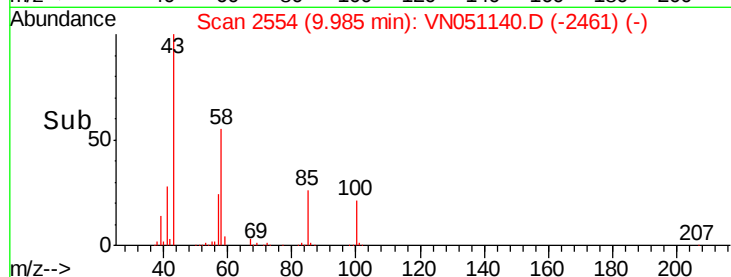
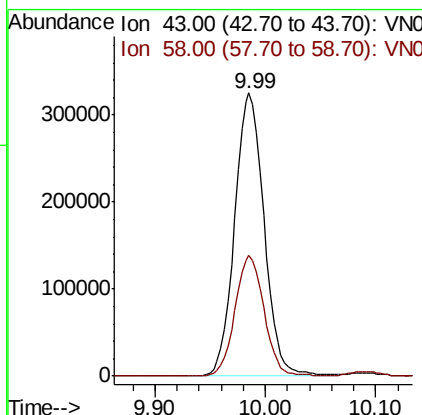
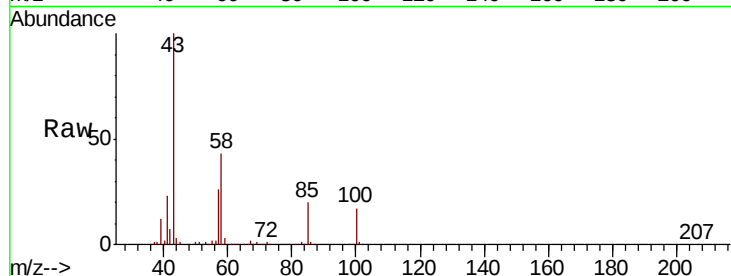




#51
 4-Methyl-2-Pentanone
 Concen: 109.78 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

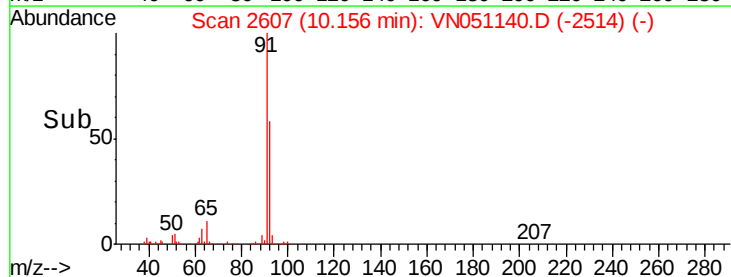
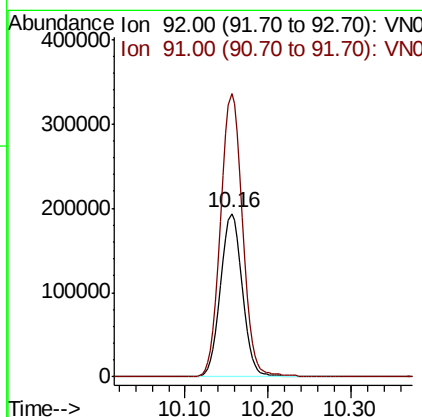
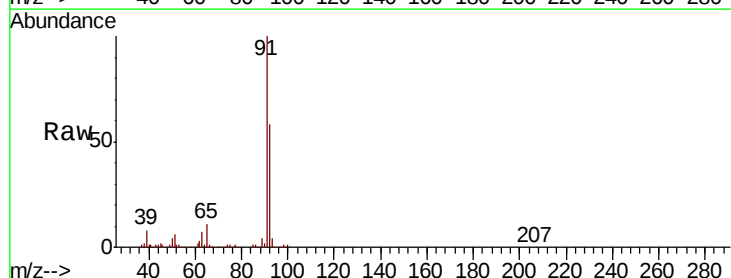
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

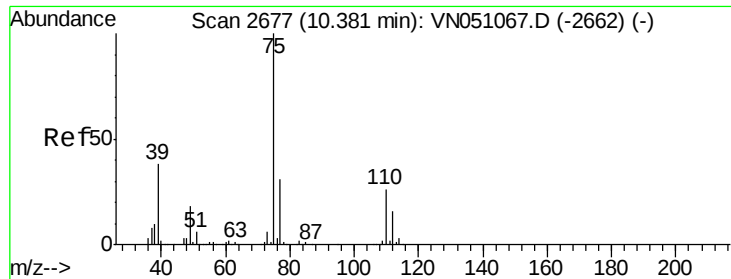
Tot Ion: 43 Resp: 599725
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.5 50.3



#52
 Toluene
 Concen: 19.83 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion: 92 Resp: 352225
 Ion Ratio Lower Upper
 92 100
 91 175.1 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 19.33 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

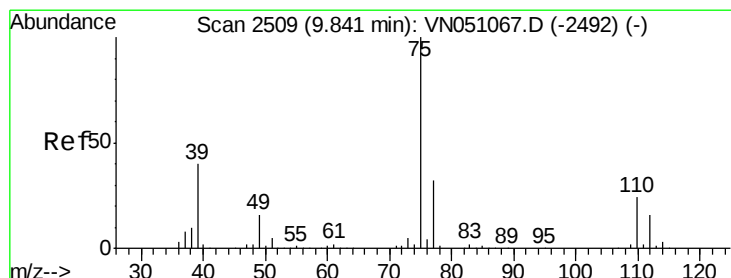
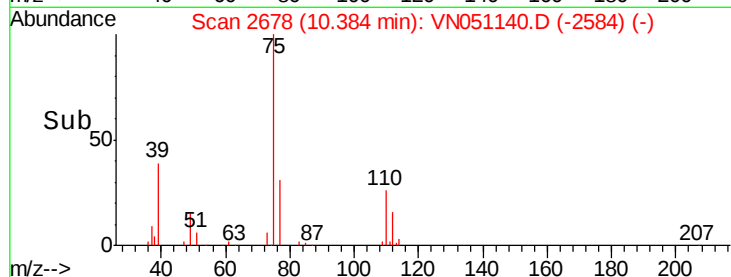
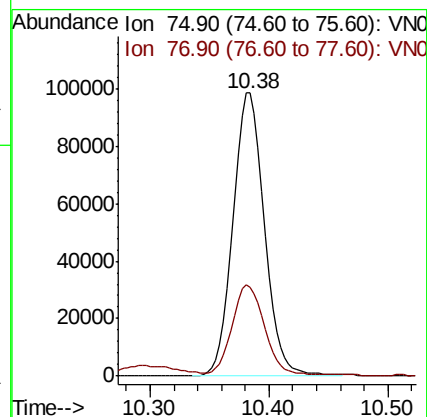
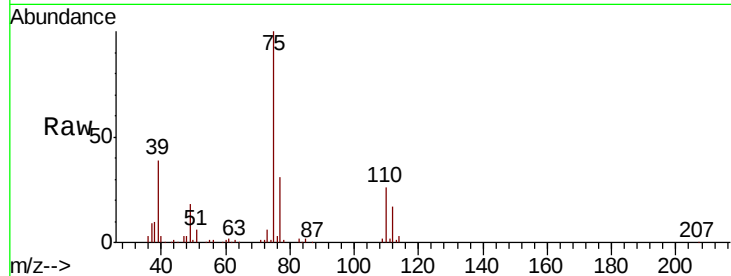
VN0912WBS01

Tot Ion: 75 Resp: 180669

Ion Ratio Lower Upper

75 100

77 30.9 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 19.57 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

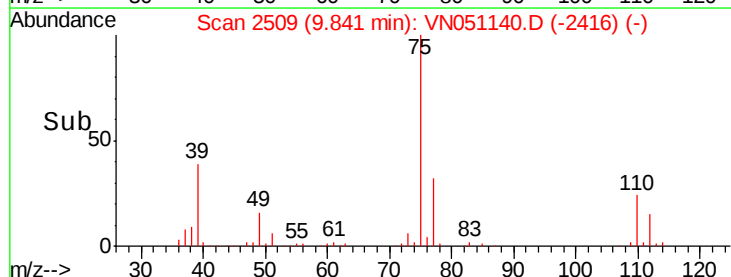
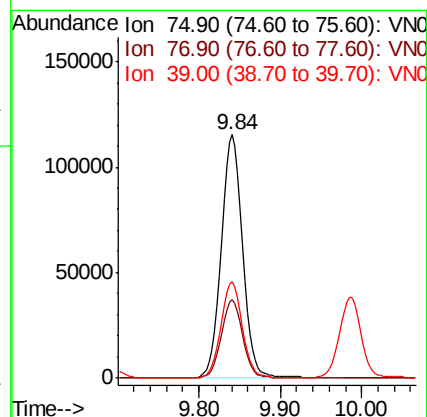
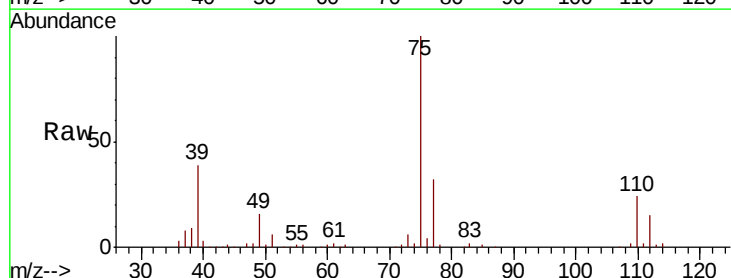
Tgt Ion: 75 Resp: 214488

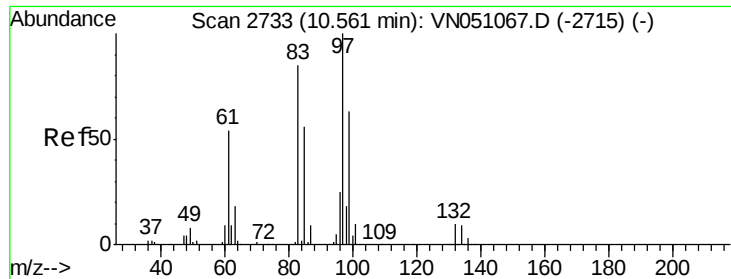
Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

39 39.2 31.9 47.9

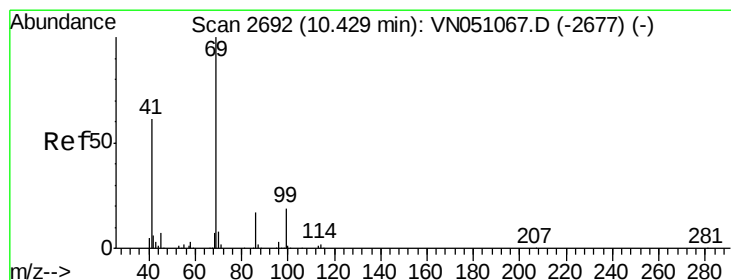
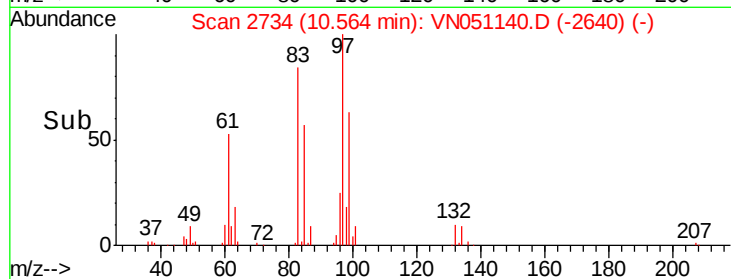
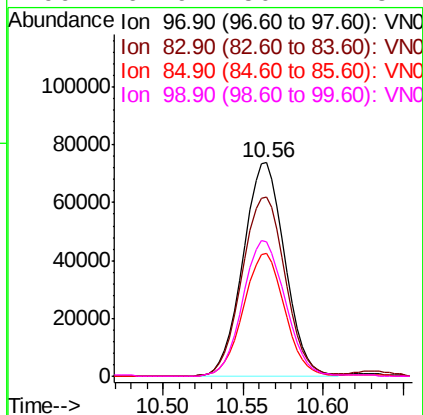
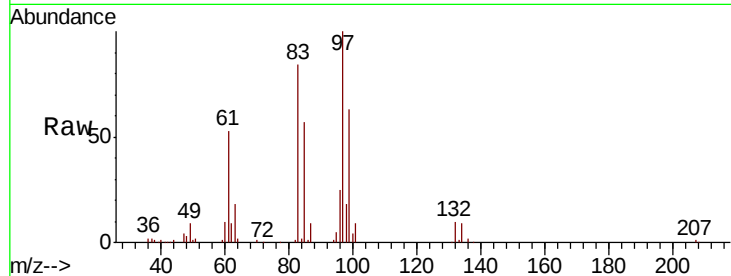




#55
 1,1,2-Trichloroethane
 Concen: 20.45 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

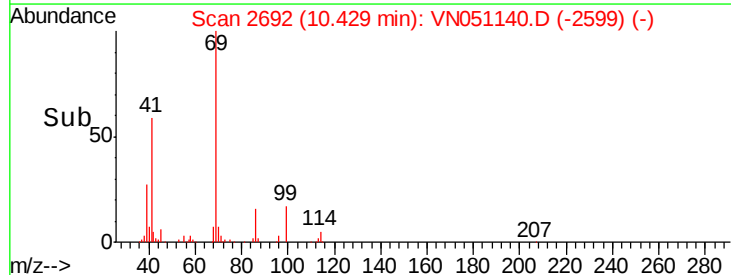
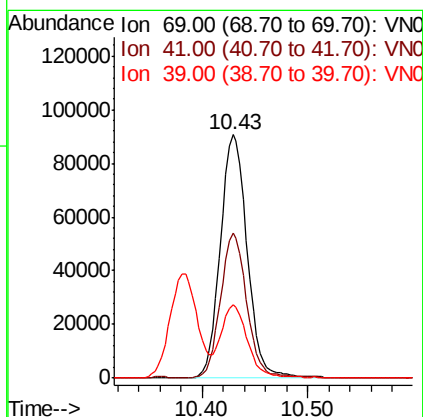
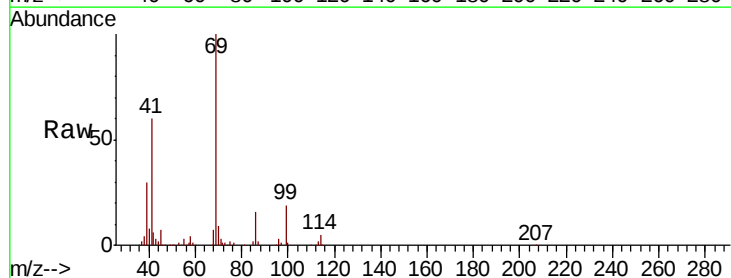
Instrument :
 MSVOA_N
 ClientSampled :
 VN0912WBS01

Tot Ion: 97 Resp: 131928
 Ion Ratio Lower Upper
 97 100
 83 83.9 68.2 102.2
 85 57.4 44.8 67.2
 99 62.9 50.2 75.4



#56
 Ethyl methacrylate
 Concen: 20.03 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion: 69 Resp: 160078
 Ion Ratio Lower Upper
 69 100
 41 57.8 47.8 71.8
 39 29.8 23.0 34.4





#57

1,3-Dichloropropane

Concen: 20.31 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

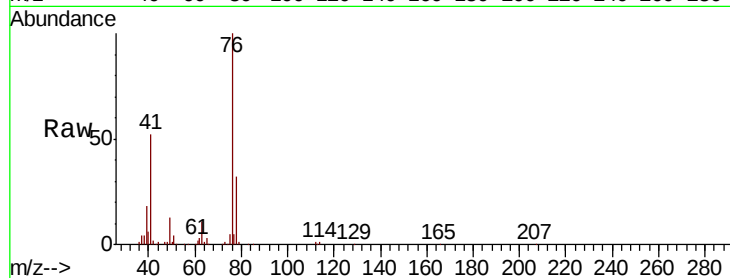
VN0912WBS01

Tot Ion: 76 Resp: 217223

Ion Ratio Lower Upper

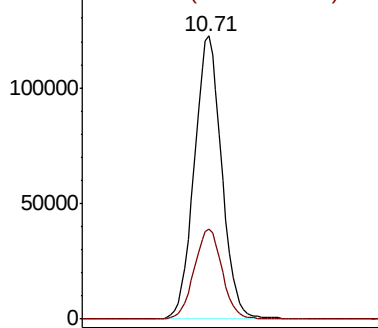
76 100

78 32.3 26.1 39.1

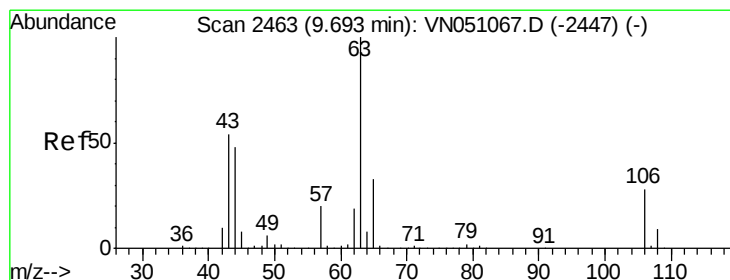
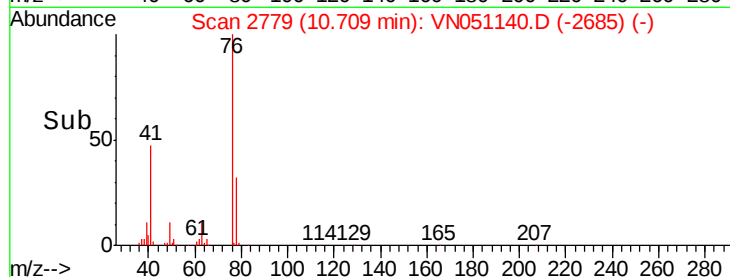


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 96.95 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051140.D

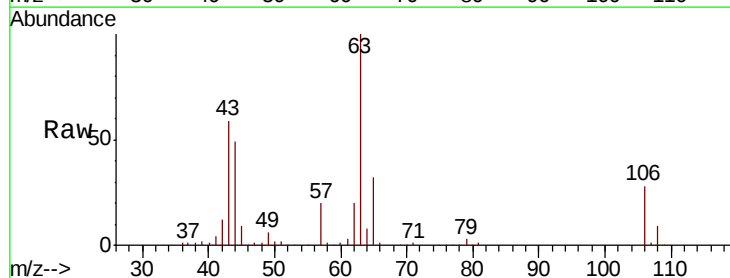
Acq: 12 Sep 2018 10:02

Tgt Ion: 63 Resp: 316743

Ion Ratio Lower Upper

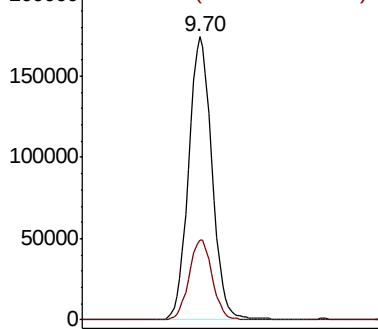
63 100

106 28.1 22.5 33.7

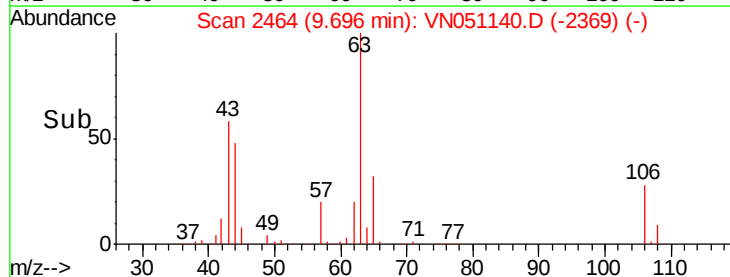


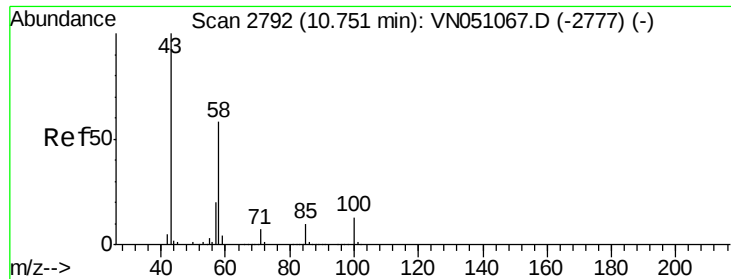
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.60 9.70 9.80

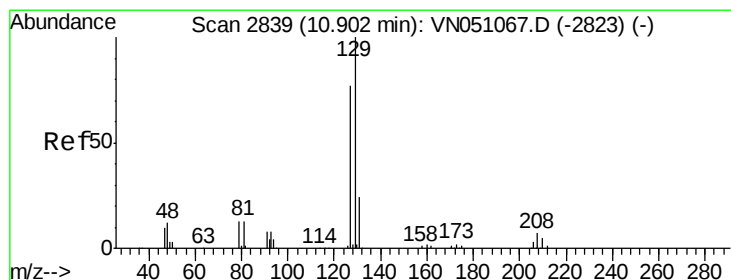
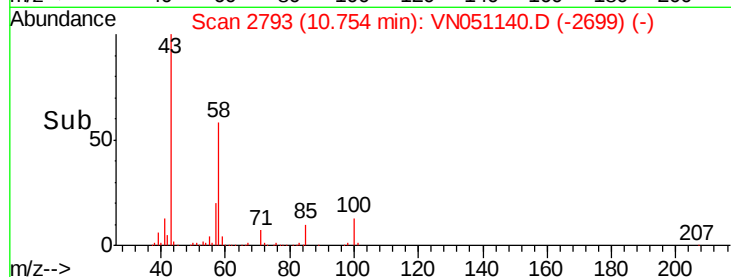
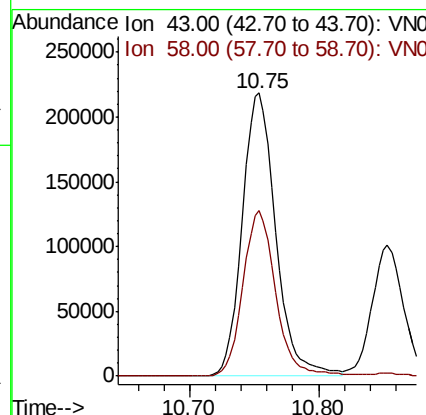
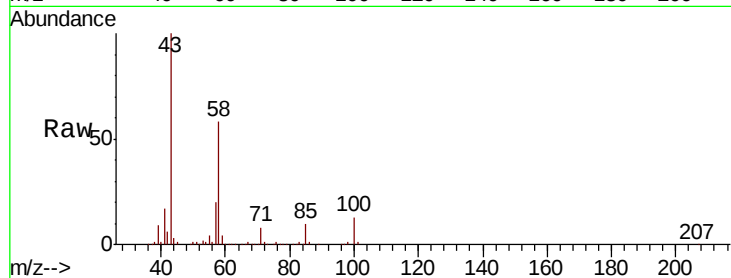




#59
2-Hexanone
Concen: 106.31 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

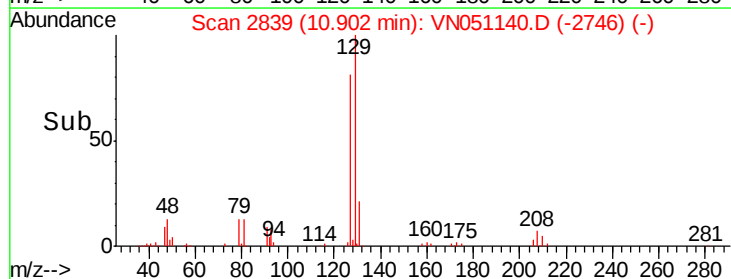
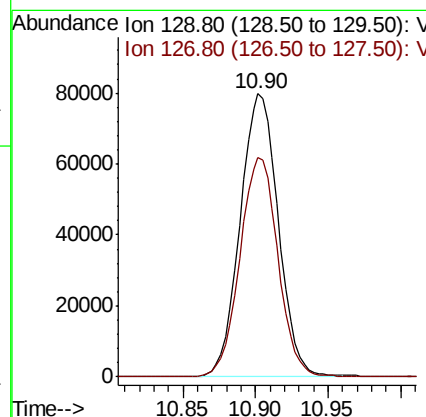
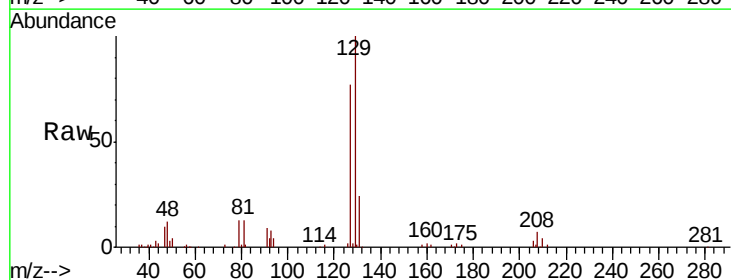
Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

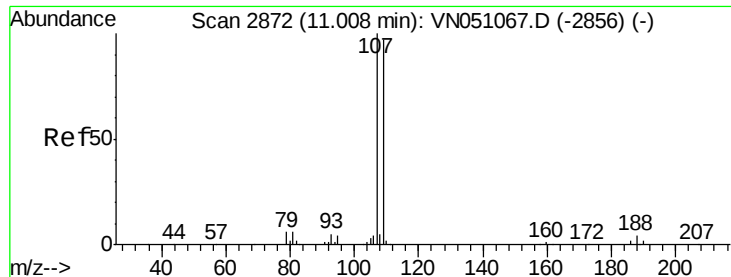
Tot Ion: 43 Resp: 393864
Ion Ratio Lower Upper
43 100
58 57.2 29.3 88.0



#60
Dibromochloromethane
Concen: 20.07 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion: 129 Resp: 145947
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.48 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

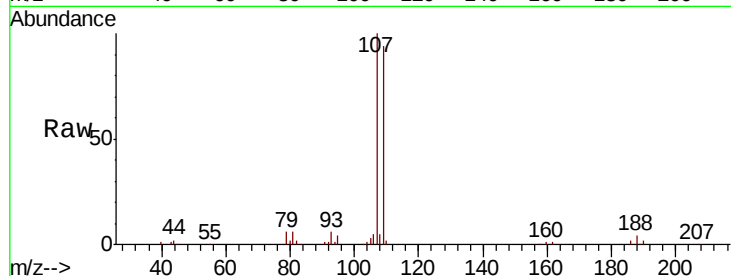
VN0912WBS01

Tot Ion:107 Resp: 129152

Ion Ratio Lower Upper

107 100

109 95.0 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

80000

60000

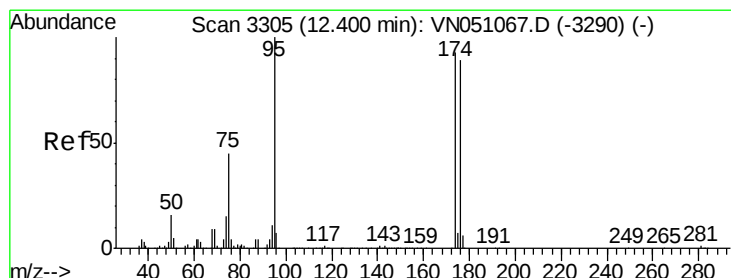
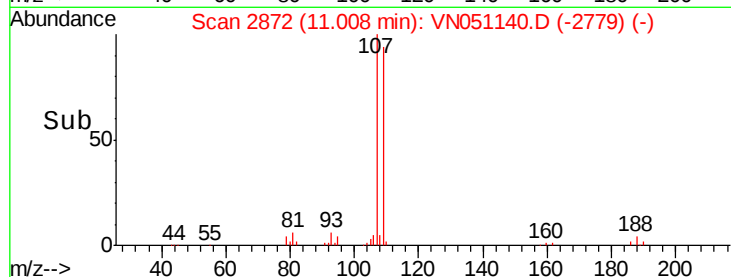
40000

20000

0

11.01

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 51.15 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

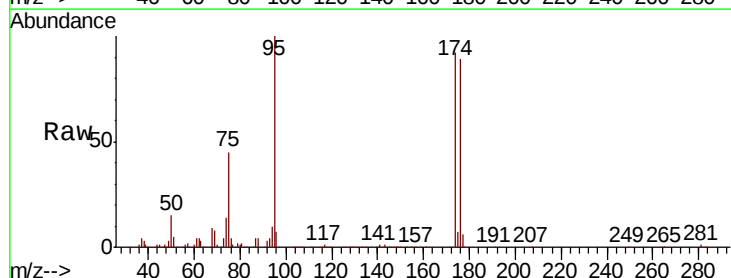
Tgt Ion: 95 Resp: 424824

Ion Ratio Lower Upper

95 100

174 91.5 0.0 184.8

176 88.7 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

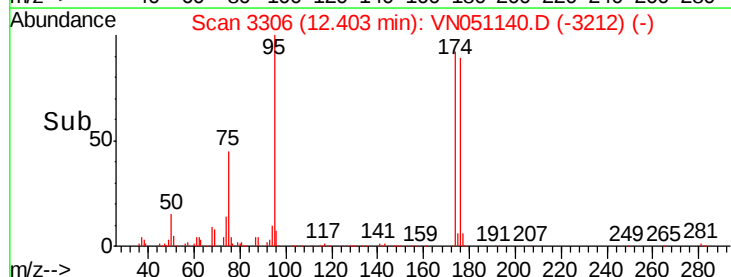
200000

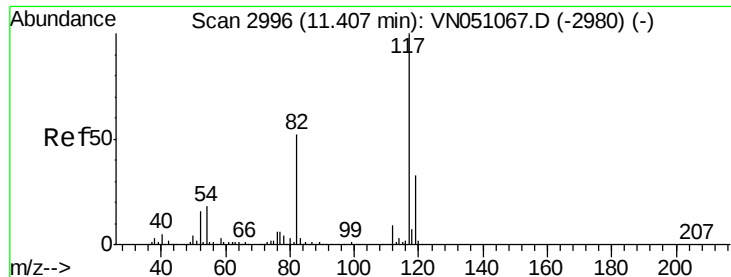
100000

0

12.40

Time--> 12.30 12.40 12.50

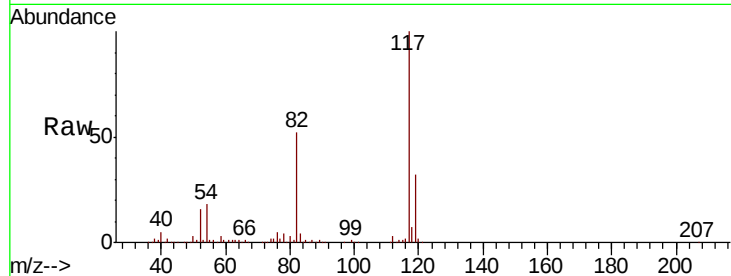




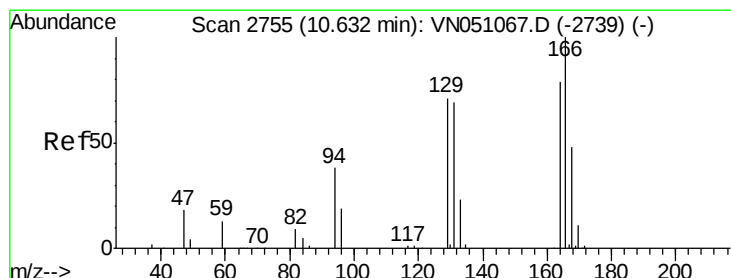
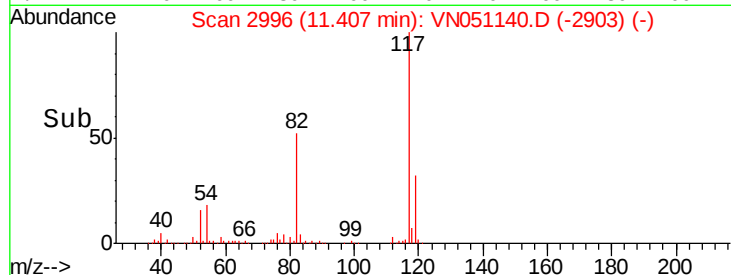
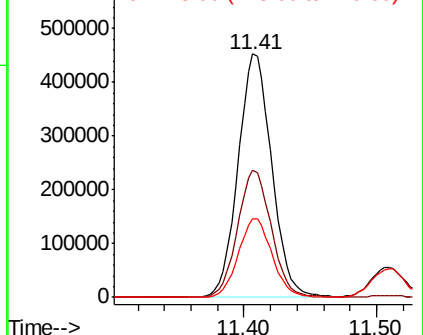
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion:117 Resp: 797462
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.6
119 32.2 26.2 39.2

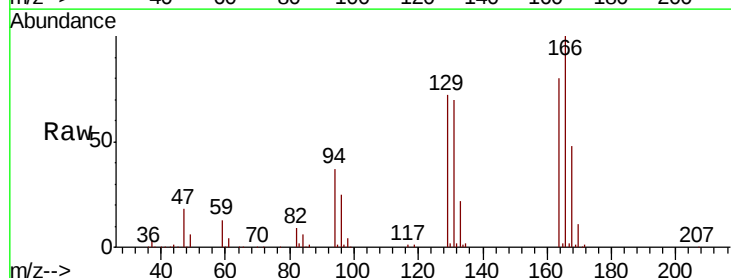


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

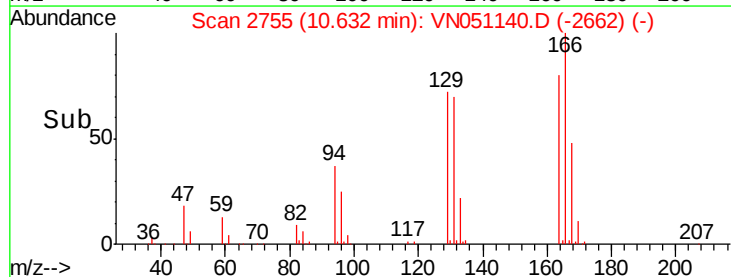
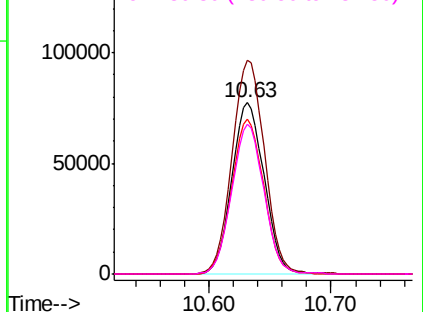


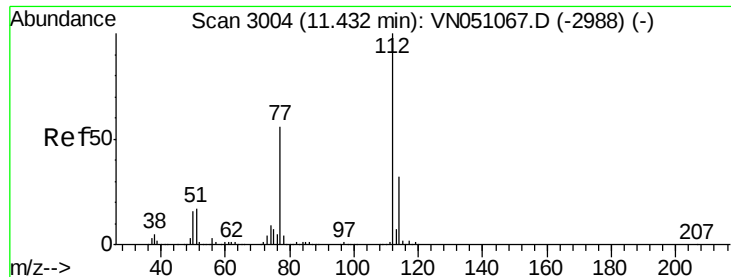
#64
Tetrachloroethene
Concen: 19.57 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion:164 Resp: 142373
Ion Ratio Lower Upper
164 100
166 124.6 101.3 151.9
129 90.1 72.2 108.2
131 87.7 70.2 105.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.03 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

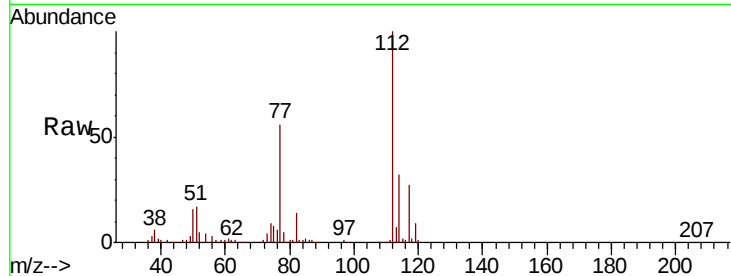
VN0912WBS01

Tot Ion:112 Resp: 382445

Ion Ratio Lower Upper

112 100

114 32.5 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

200000

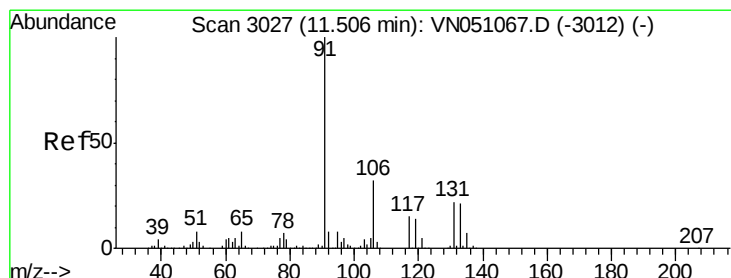
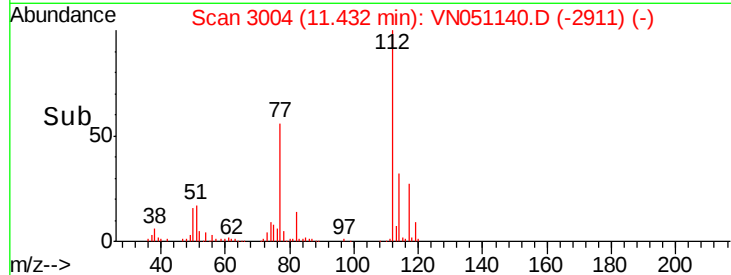
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.71 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

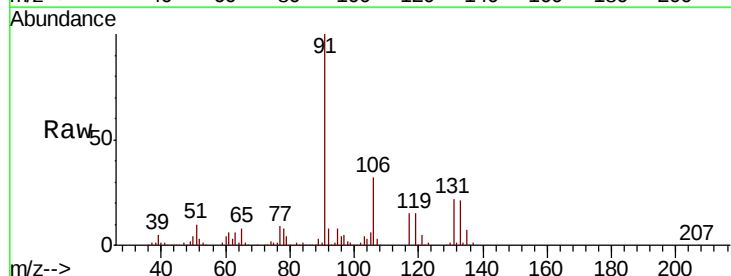
Tgt Ion:131 Resp: 142618

Ion Ratio Lower Upper

131 100

133 96.6 47.5 142.6

119 66.4 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

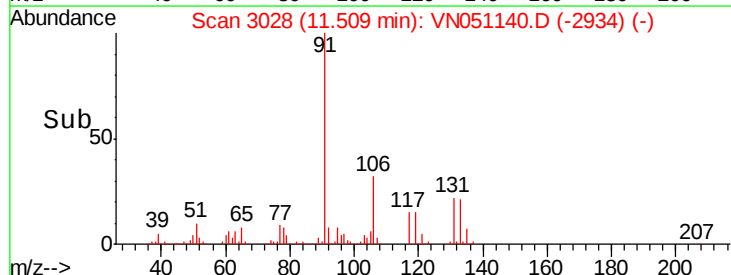
150000

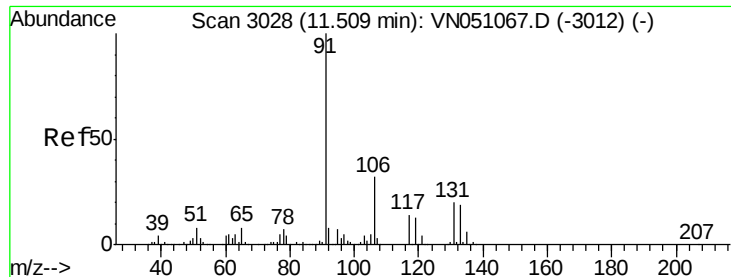
100000

50000

0

Time-->

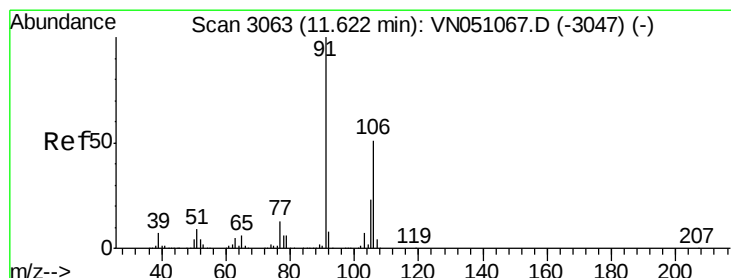
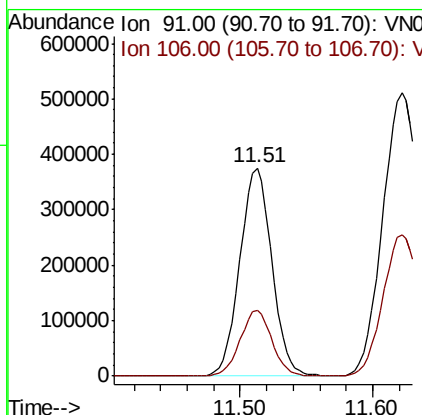
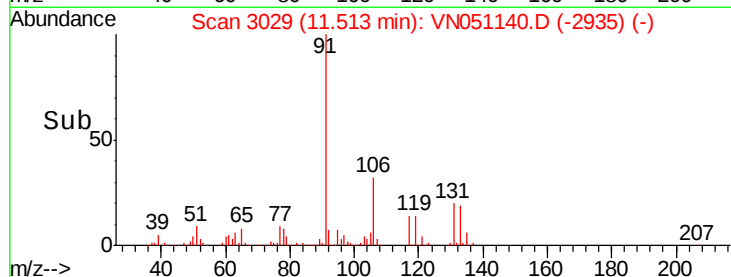
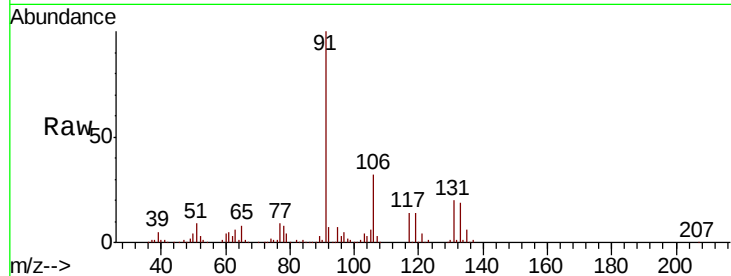




#67
Ethyl Benzene
Concen: 19.38 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

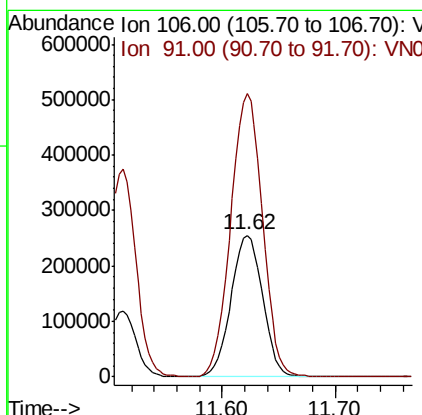
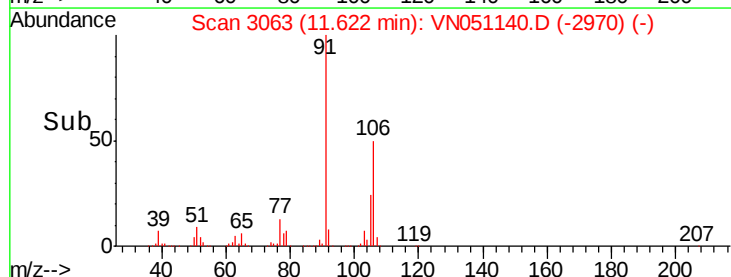
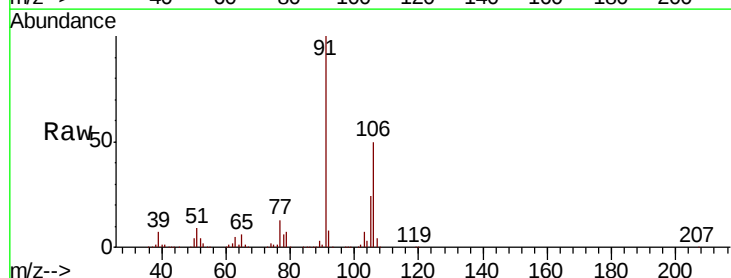
Instrument :
MSVOA_N
ClientSampled :
VN0912WBS01

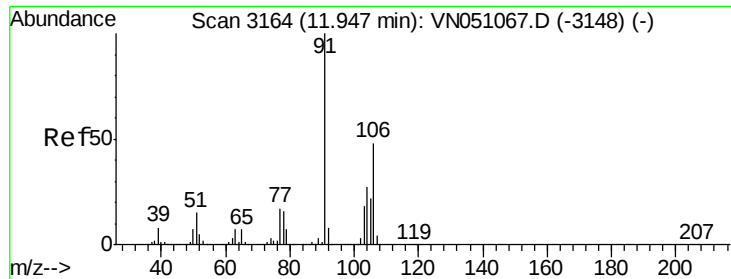
Tot Ion: 91 Resp: 630915
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2



#68
m/p-Xylenes
Concen: 39.84 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion: 106 Resp: 498298
Ion Ratio Lower Upper
106 100
91 200.3 159.8 239.6

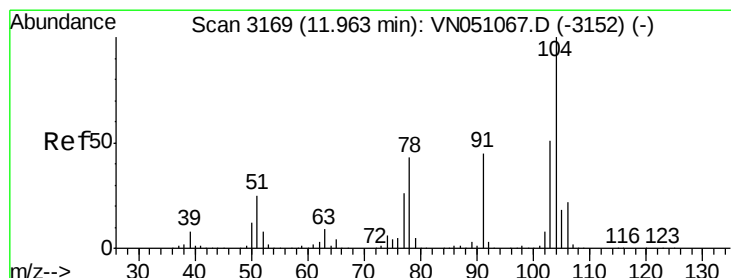
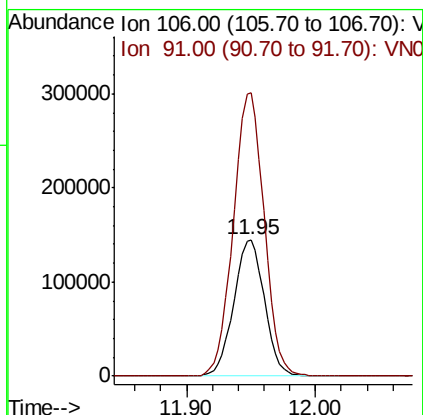
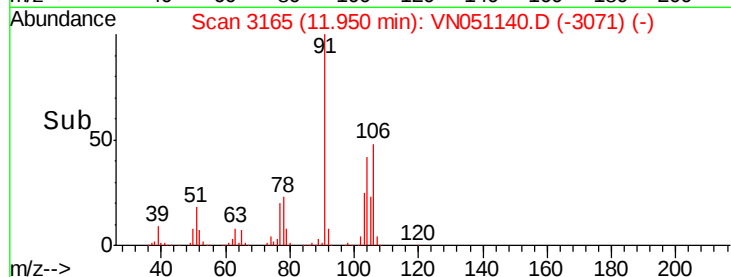
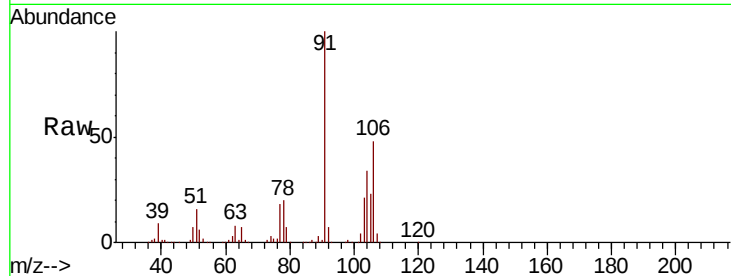




#69
o-Xylene
Concen: 19.69 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

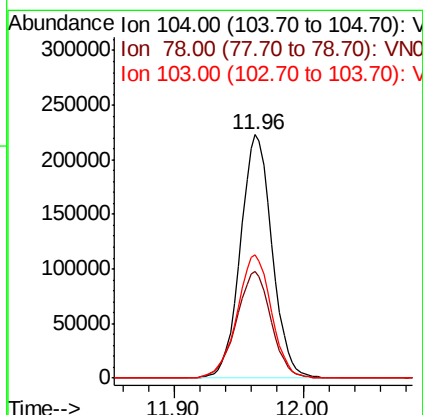
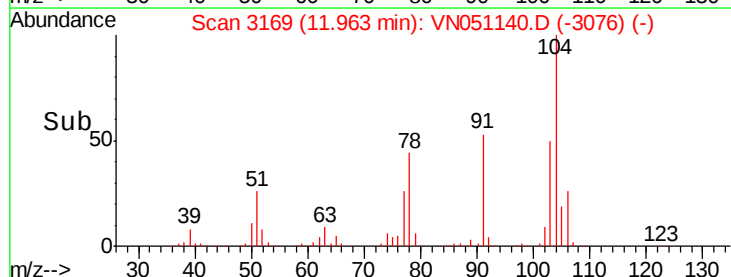
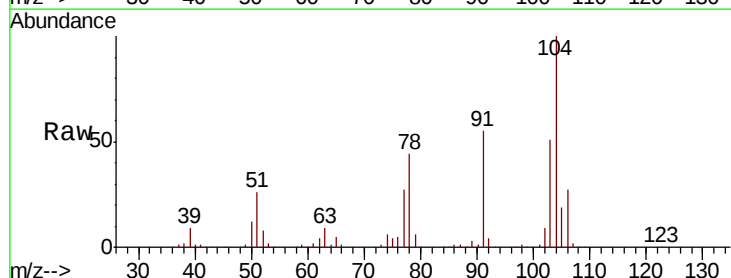
Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

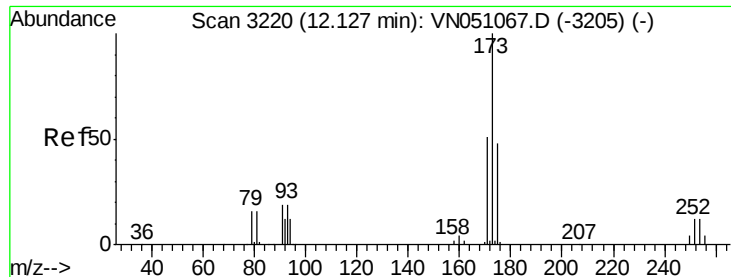
Tot Ion:106 Resp: 238512
Ion Ratio Lower Upper
106 100
91 209.8 105.1 315.1



#70
Styrene
Concen: 20.25 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion:104 Resp: 380484
Ion Ratio Lower Upper
104 100
78 48.1 37.7 56.5
103 54.8 44.6 67.0

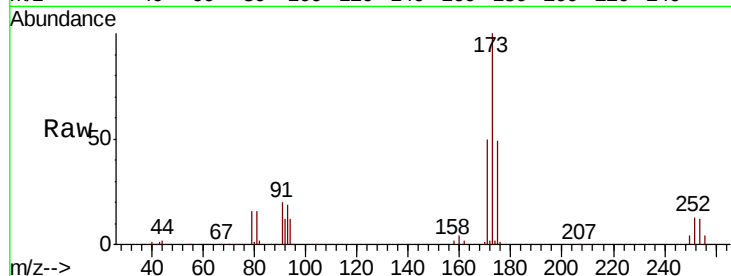




#71
Bromoform
Concen: 20.23 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.9
254	0.0	0.0	0.0

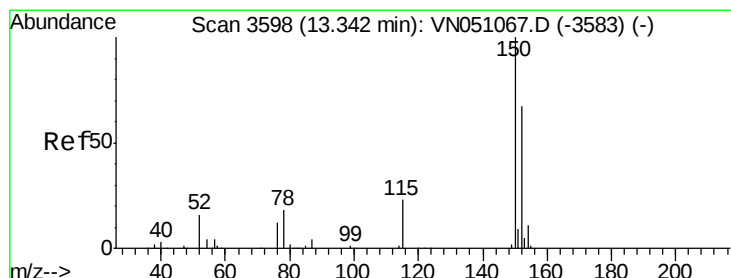
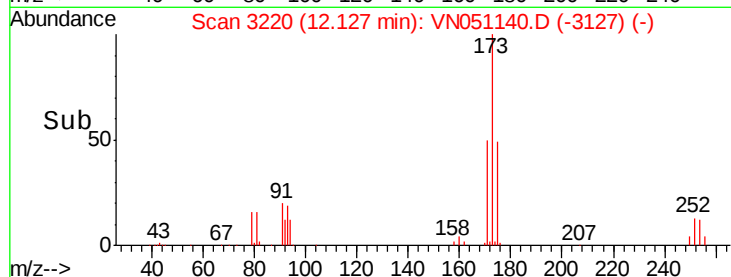
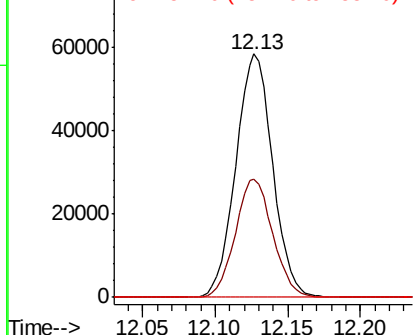


Abundance

Ion 172.70 (172.40 to 173.40): V

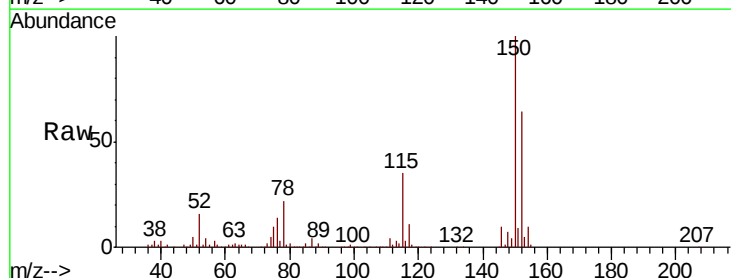
Ion 174.70 (174.40 to 175.40): V

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: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.2	84.7
150	162.3	0.0	349.0

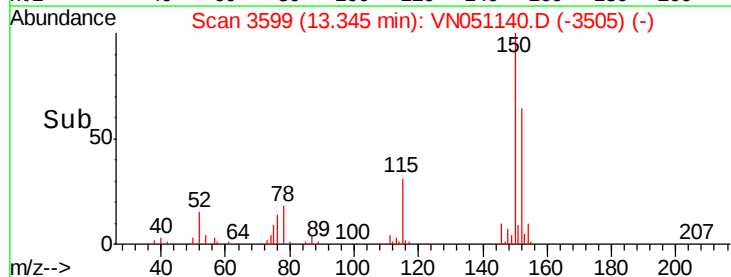
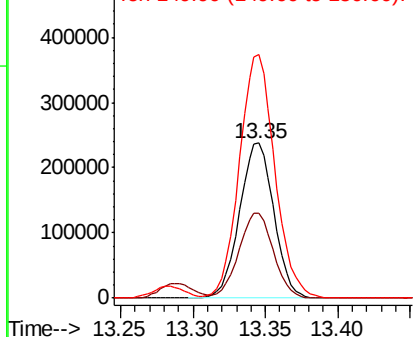


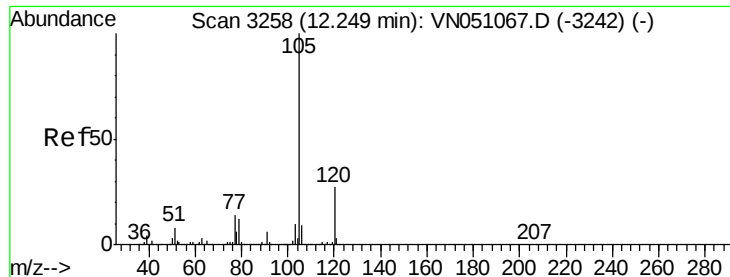
Abundance

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: 19.25 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

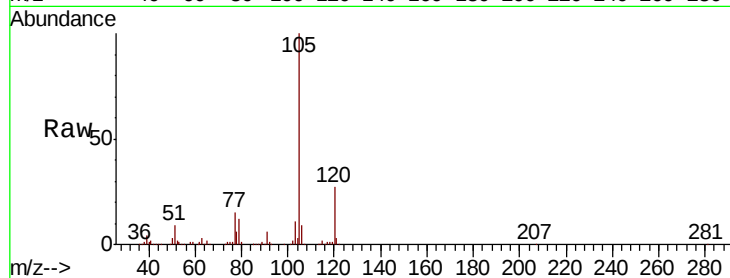
VN0912WBS01

Tot Ion:105 Resp: 630251

Ion Ratio Lower Upper

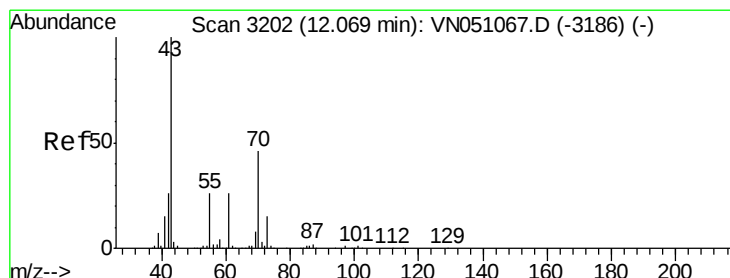
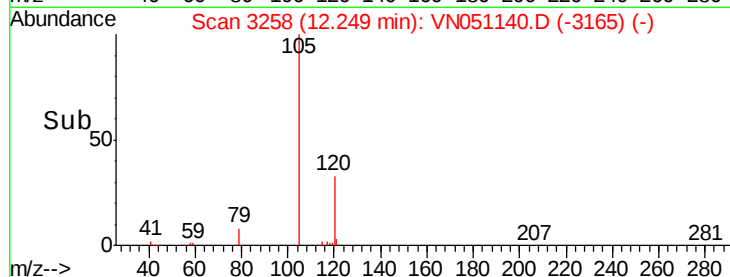
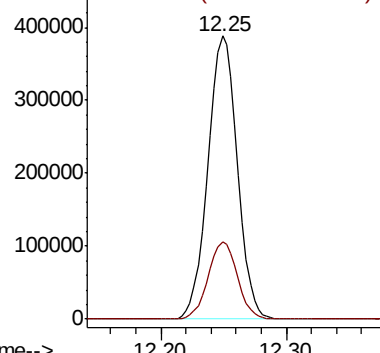
105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.86 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Tgt Ion: 43 Resp: 155399

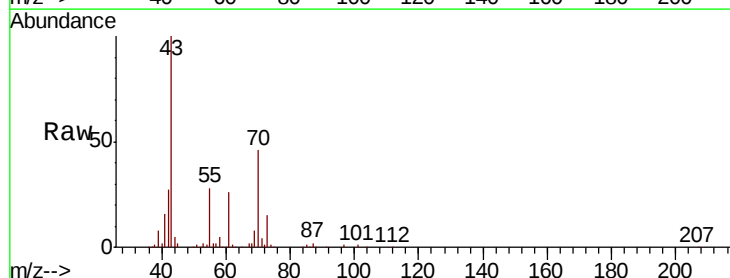
Ion Ratio Lower Upper

43 100

70 45.8 37.0 55.4

55 27.7 21.3 31.9

61 25.1 20.7 31.1

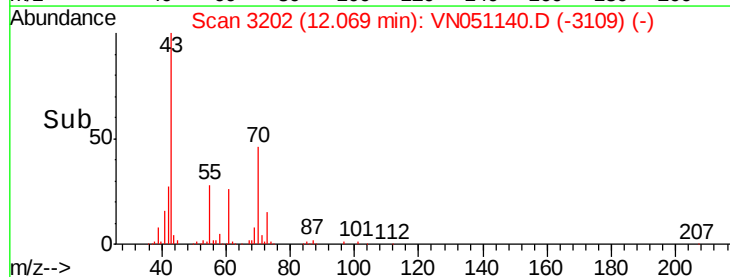
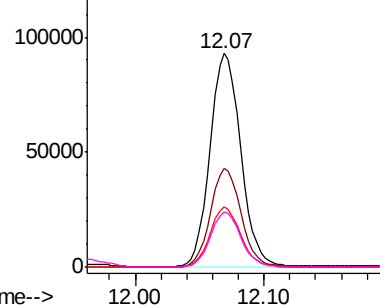


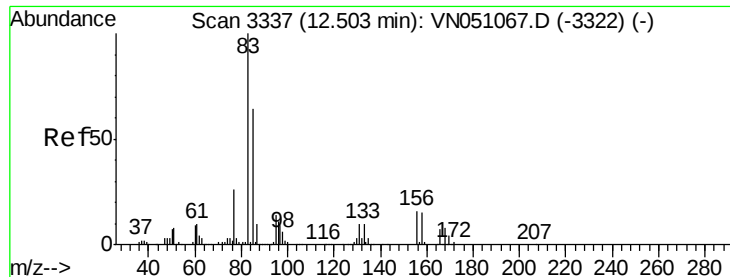
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.06 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

VN0912WBS01

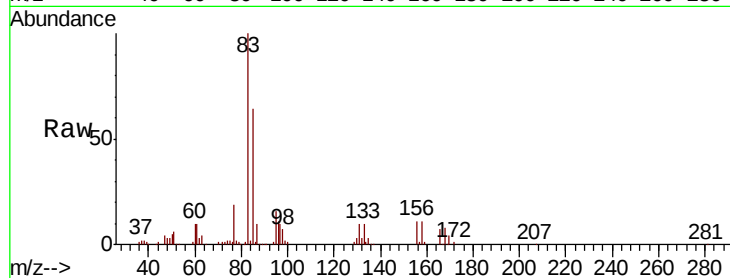
Tot Ion: 83 Resp: 172352

Ion Ratio Lower Upper

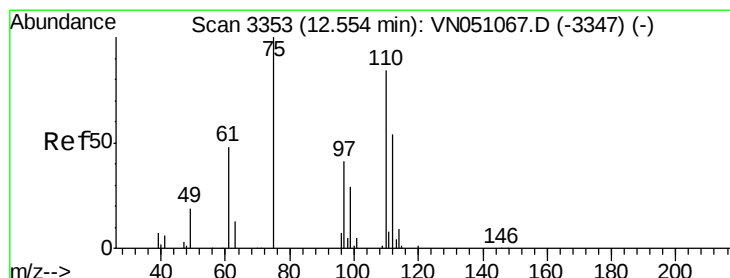
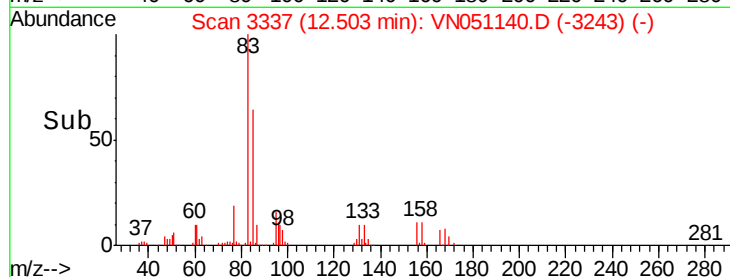
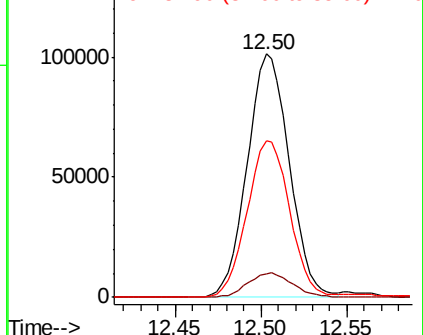
83 100

131 10.6 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: 31.75 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051140.D

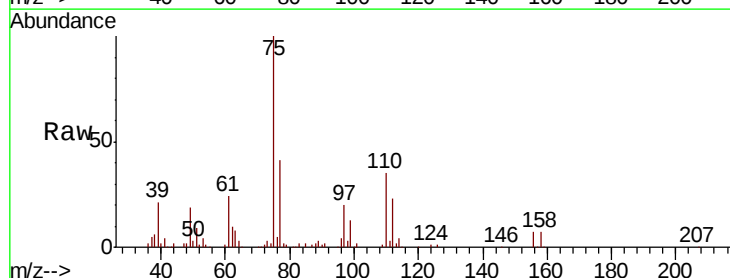
Acq: 12 Sep 2018 10:02

Tgt Ion: 75 Resp: 195457

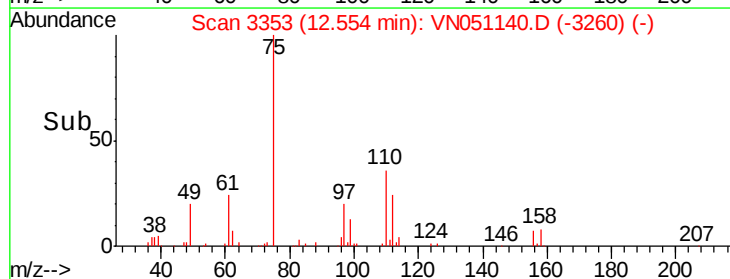
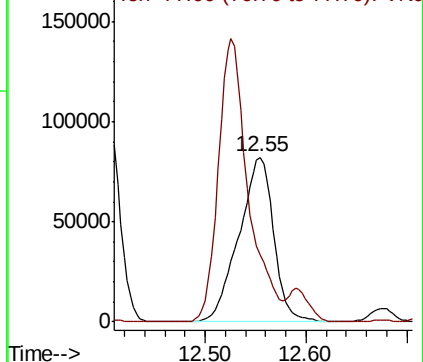
Ion Ratio Lower Upper

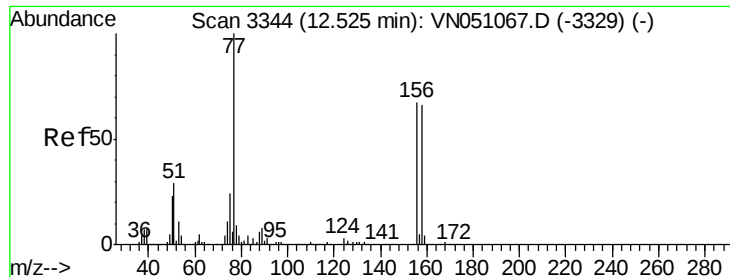
75 100

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: 18.63 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

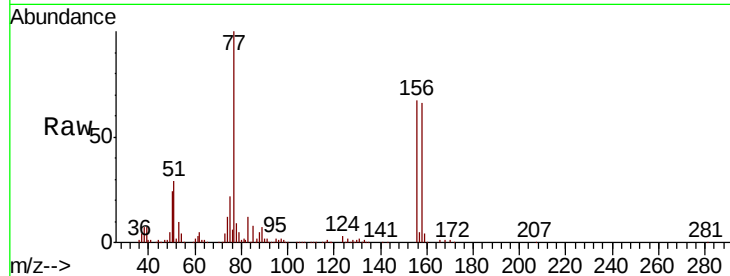
Tot Ion:156 Resp: 163840

Ion Ratio Lower Upper

156 100

77 179.0 87.5 262.6

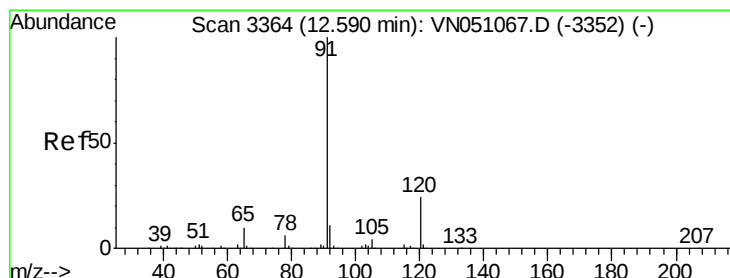
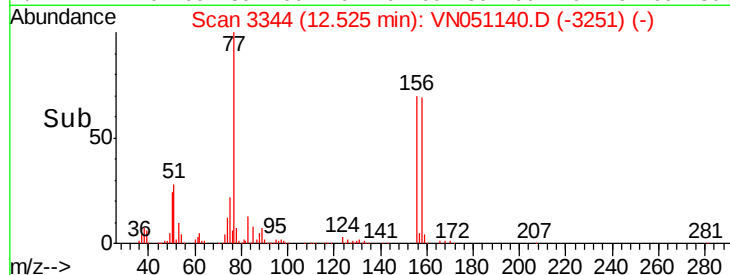
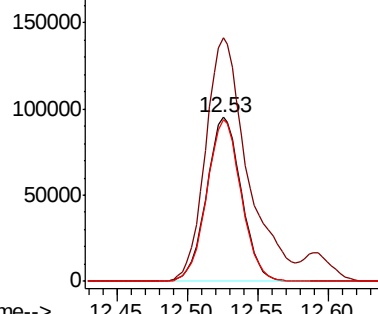
158 97.9 49.0 147.2



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: 19.34 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051140.D

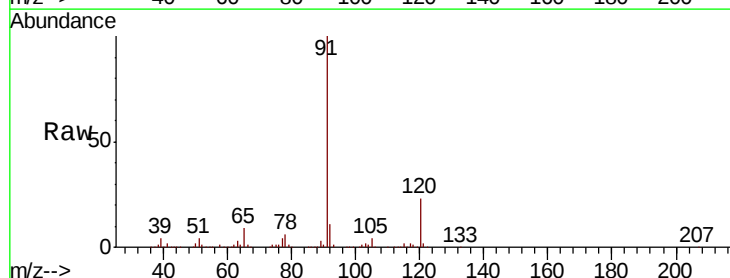
Acq: 12 Sep 2018 10:02

Tgt Ion: 91 Resp: 695877

Ion Ratio Lower Upper

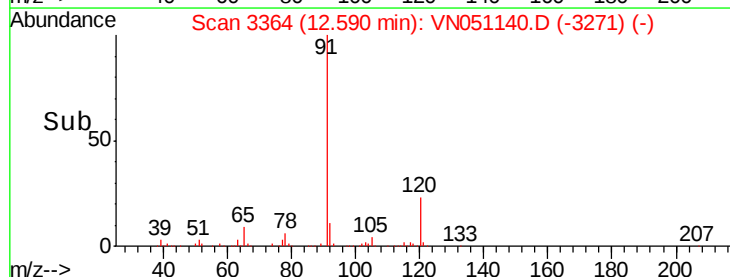
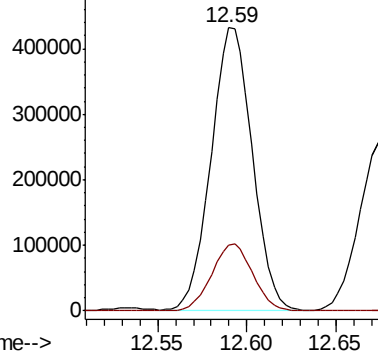
91 100

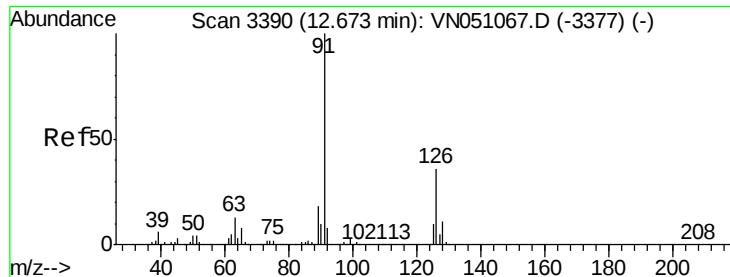
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.15 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

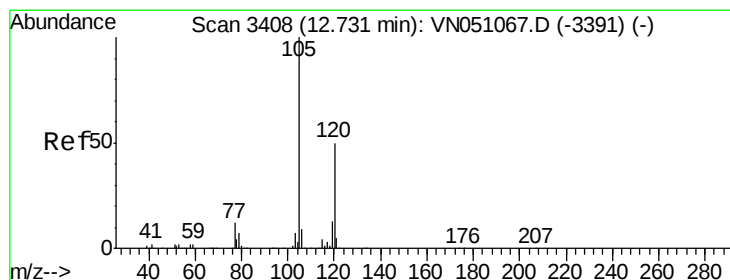
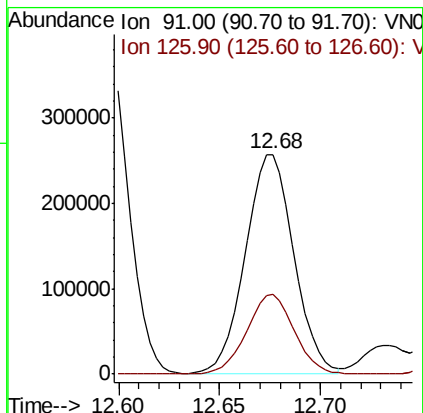
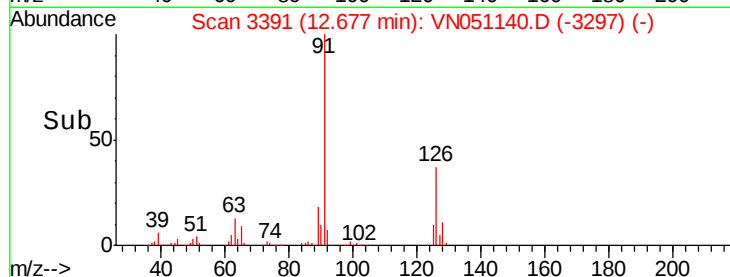
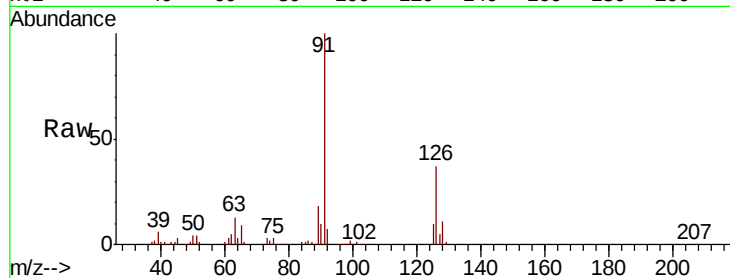
VN0912WBS01

Tot Ion: 91 Resp: 430781

Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 19.67 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051140.D

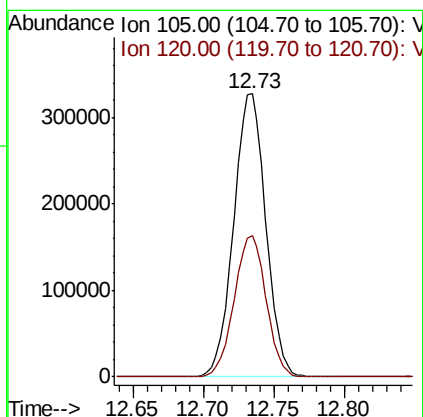
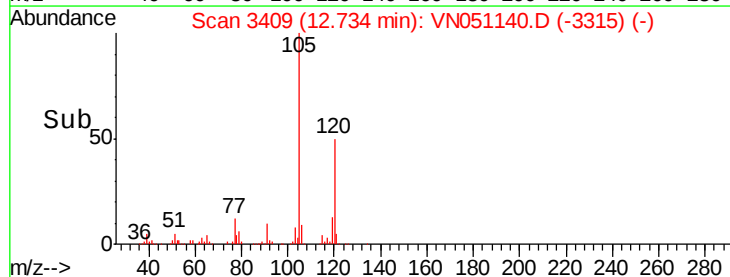
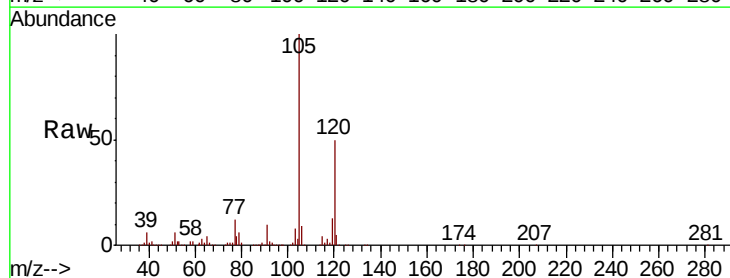
Acq: 12 Sep 2018 10:02

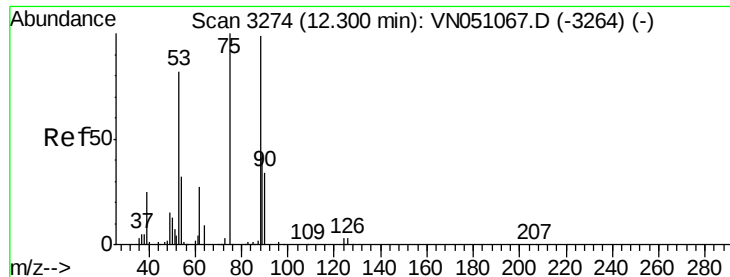
Tgt Ion: 105 Resp: 520570

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.30 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

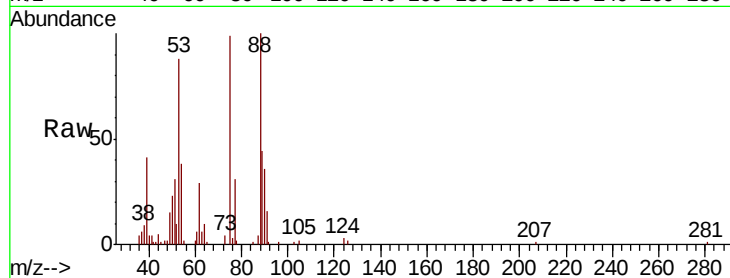
Tot Ion: 75 Resp: 37607

Ion Ratio Lower Upper

75 100

53 91.0 67.8 101.8

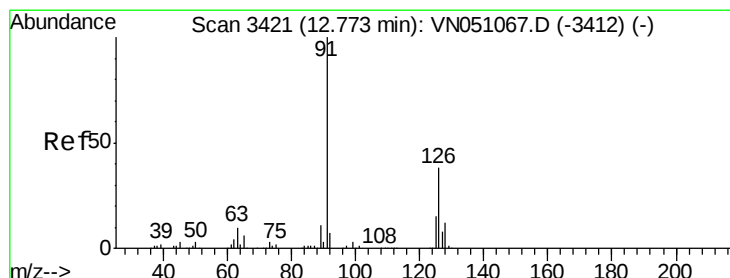
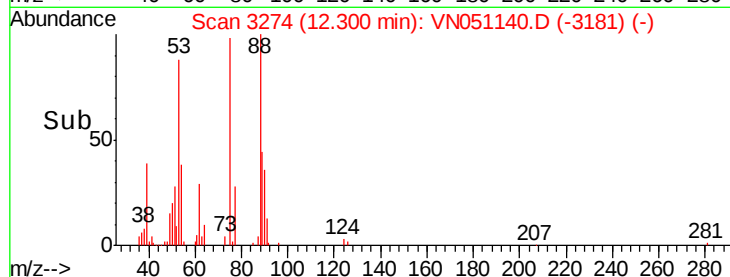
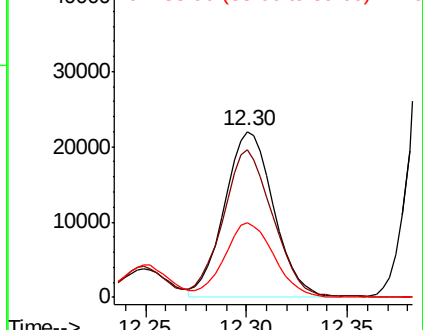
89 45.0 36.0 54.0



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: 18.94 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051140.D

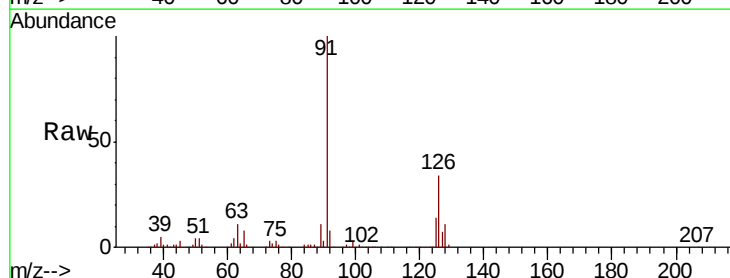
Acq: 12 Sep 2018 10:02

Tgt Ion: 91 Resp: 422959

Ion Ratio Lower Upper

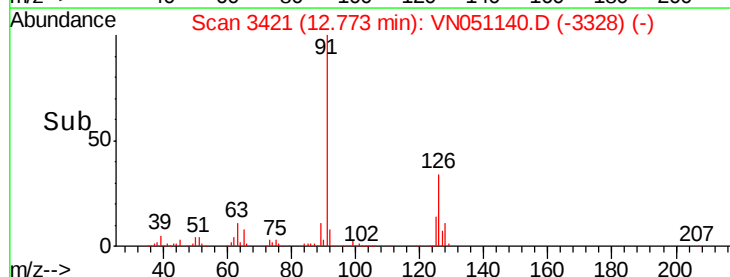
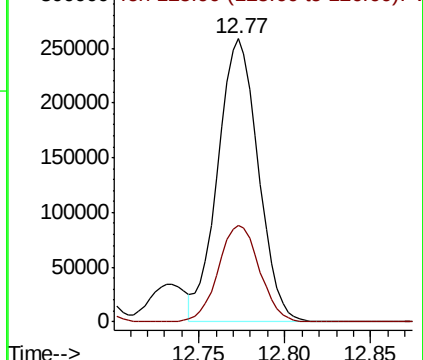
91 100

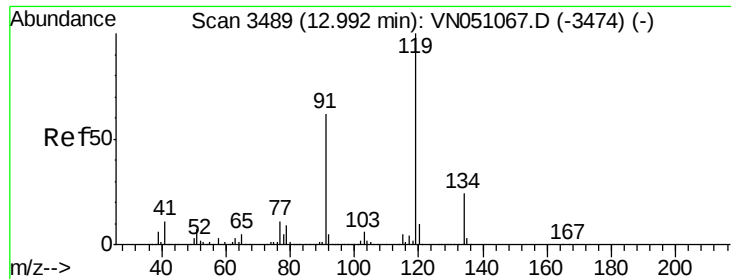
126 34.7 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

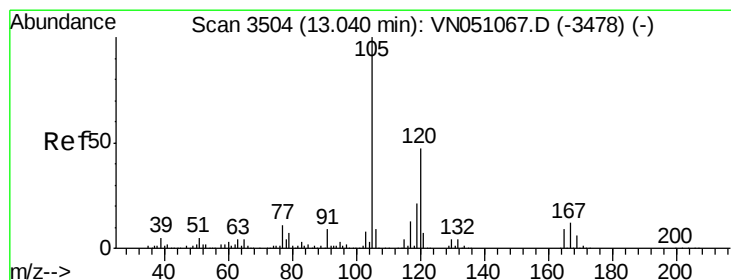
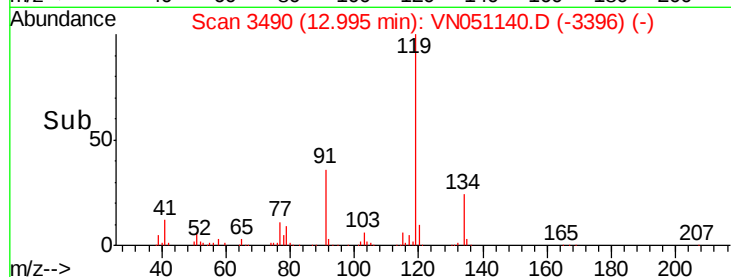
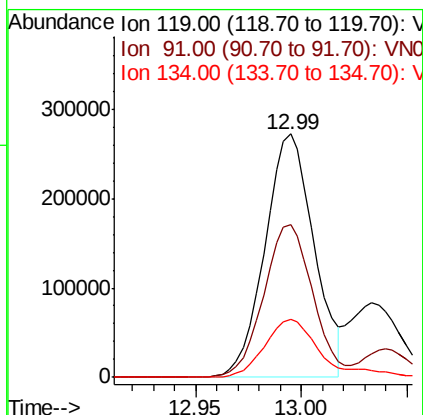
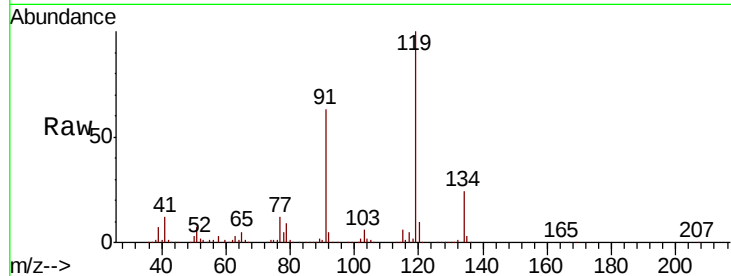




#83
 tert-Butylbenzene
 Concen: 18.86 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

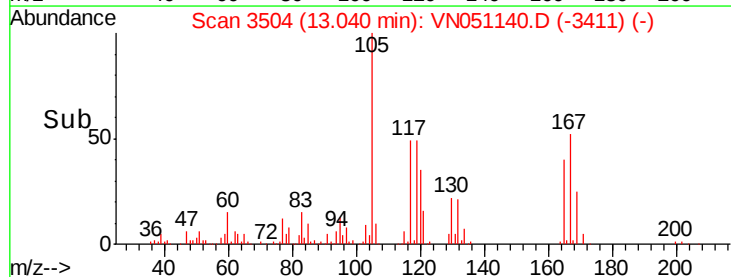
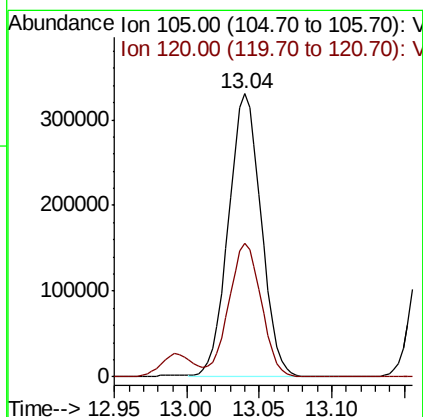
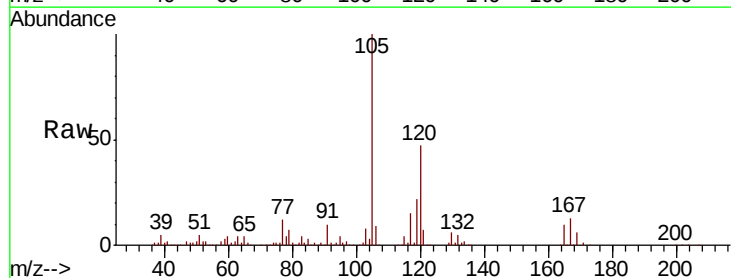
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

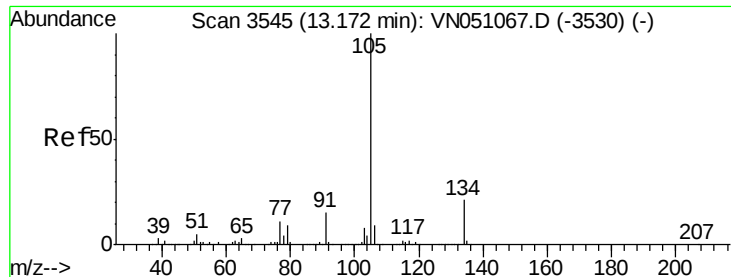
Tot Ion:119 Resp: 440576
 Ion Ratio Lower Upper
 119 100
 91 62.5 30.8 92.3
 134 25.0 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.83 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion:105 Resp: 516093
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.3 69.8

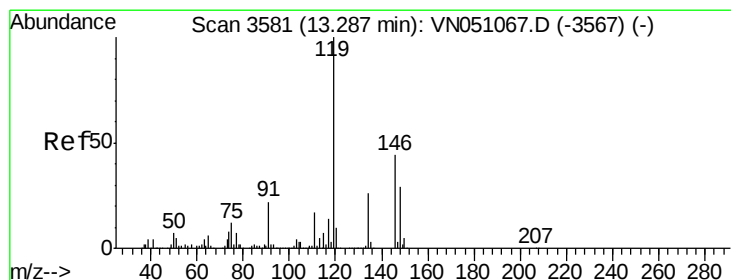
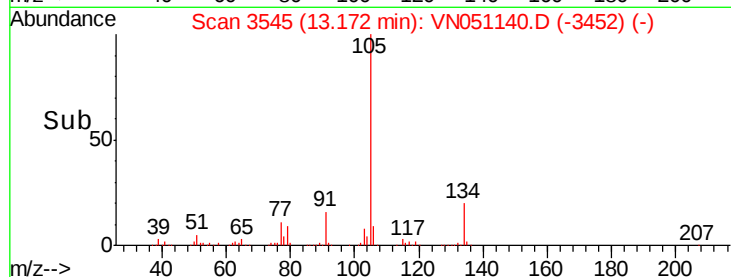
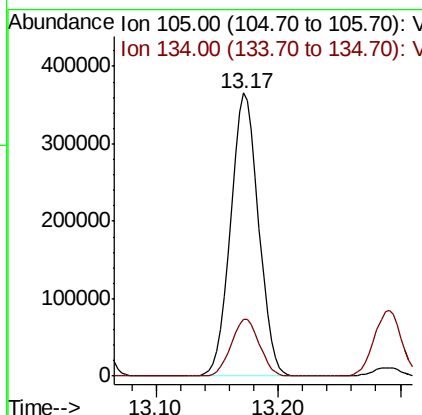
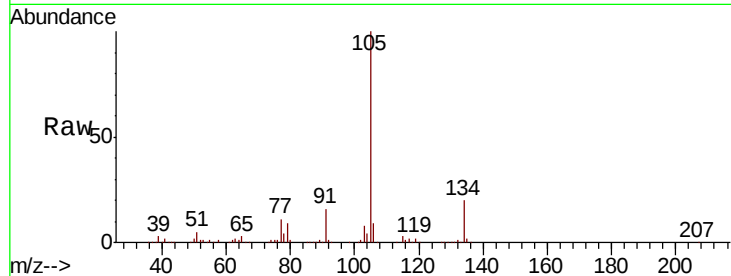




#85
 sec-Butylbenzene
 Concen: 19.43 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

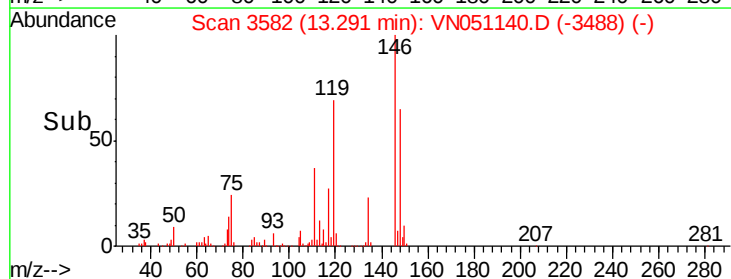
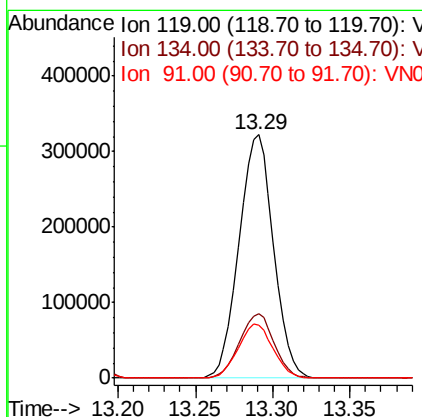
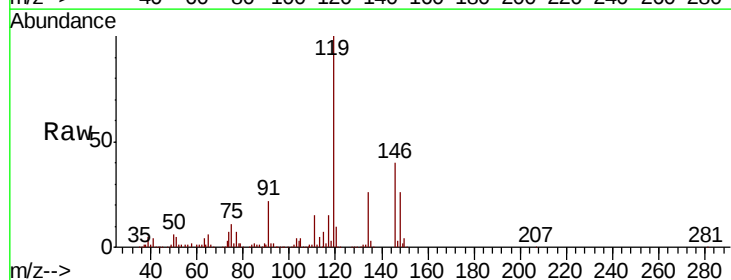
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

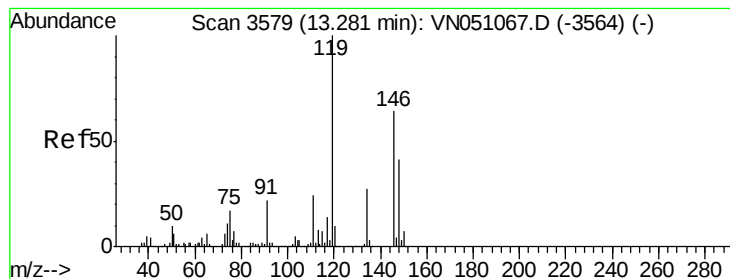
Tot Ion:105 Resp: 582218
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 19.60 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion:119 Resp: 498053
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.5 40.4
 91 22.3 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 18.35 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

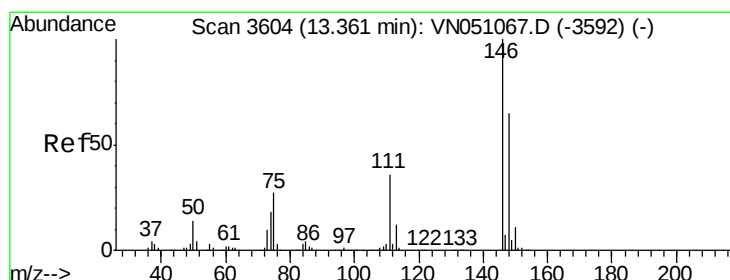
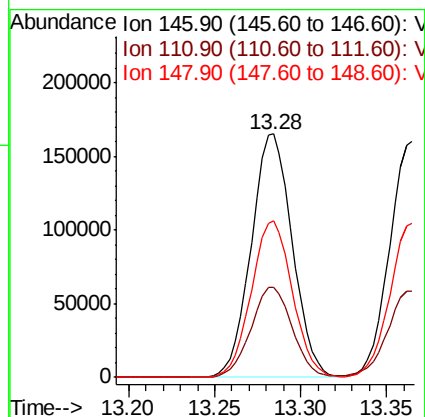
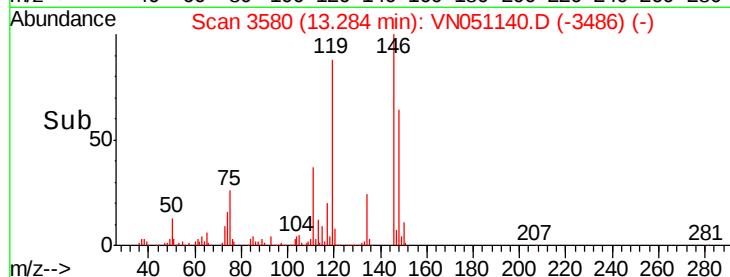
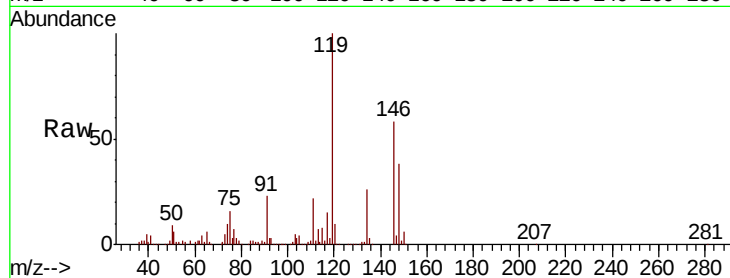
Tot Ion:146 Resp: 273702

Ion Ratio Lower Upper

146 100

111 37.0 19.1 57.1

148 64.2 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 19.20 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

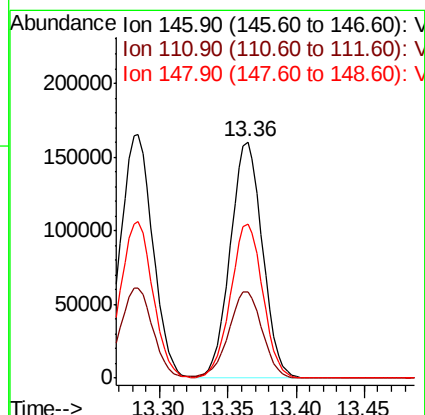
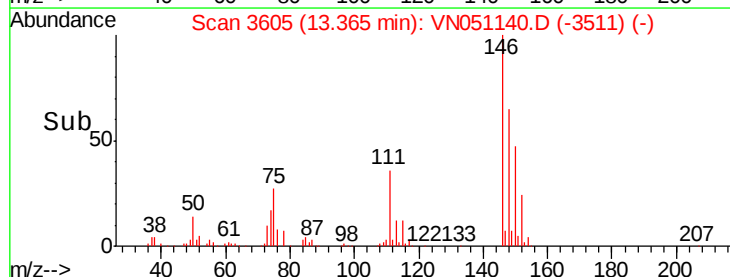
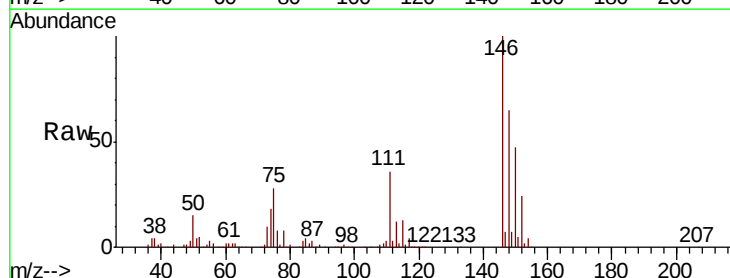
Tgt Ion:146 Resp: 262831

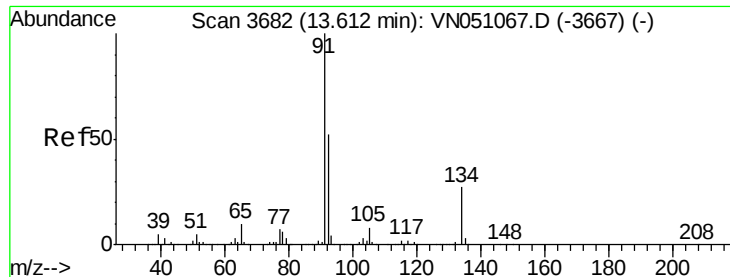
Ion Ratio Lower Upper

146 100

111 38.1 18.4 55.0

148 65.3 32.2 96.6





#89

n-Butylbenzene

Concen: 18.15 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

VN0912WBS01

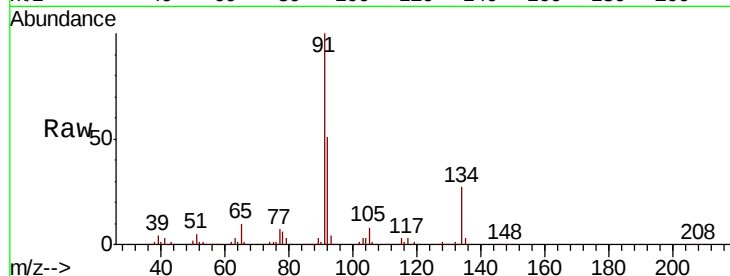
Tot Ion: 91 Resp: 358923

Ion Ratio Lower Upper

91 100

92 51.3 26.2 78.6

134 26.3 13.7 41.1

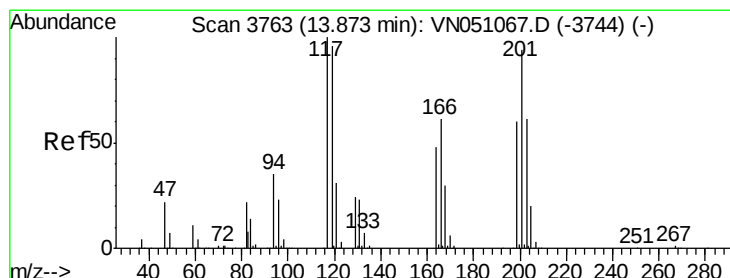
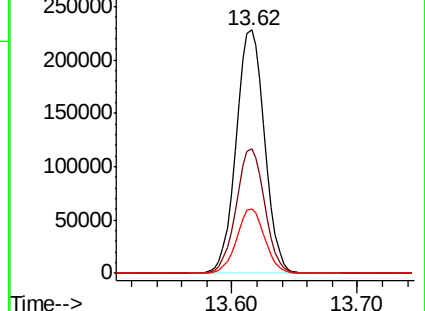
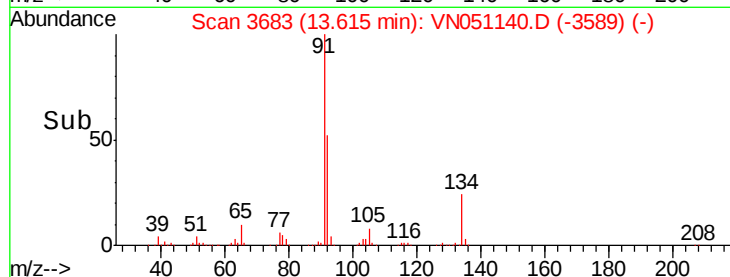


Abundance Ion 91.00 (90.70 to 91.70): VN051140.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051140.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051140.D (-3667) (-)

Time-->



#90

Hexachloroethane

Concen: 19.57 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051140.D

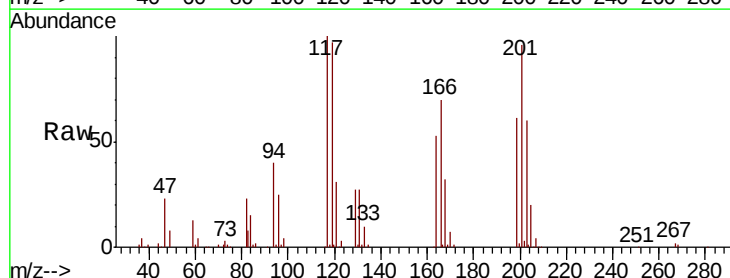
Acq: 12 Sep 2018 10:02

Tgt Ion: 117 Resp: 92283

Ion Ratio Lower Upper

117 100

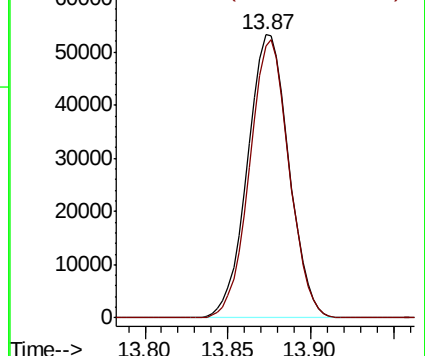
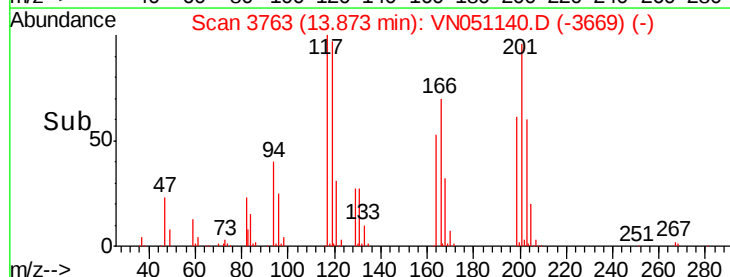
201 93.6 47.3 142.0

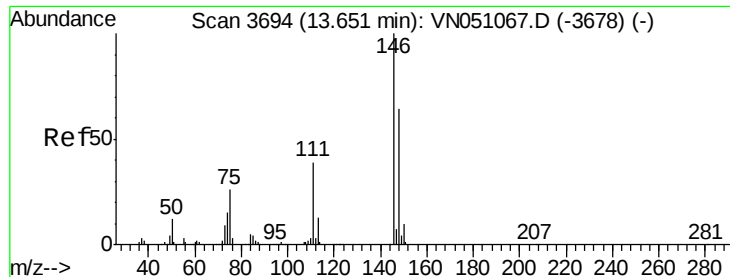


Abundance Ion 116.80 (116.50 to 117.50): VN051140.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN051140.D (-3669) (-)

Time-->

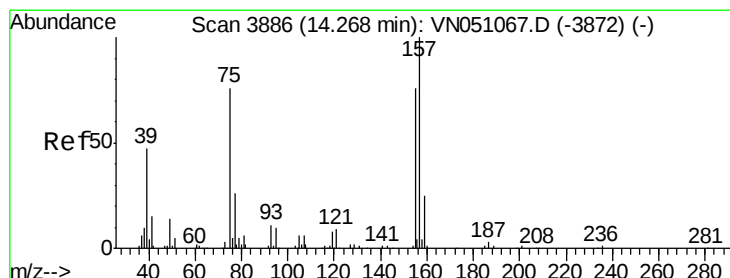
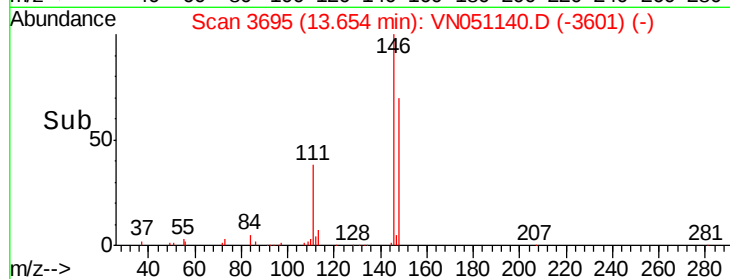
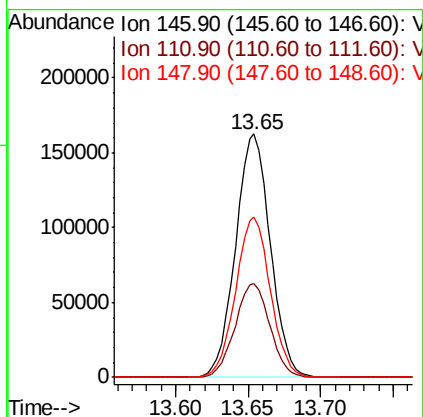
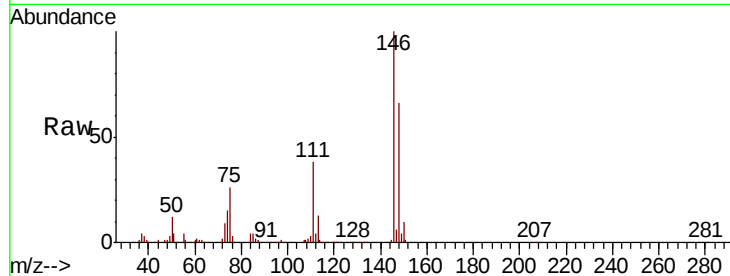




#91
 1,2-Dichlorobenzene
 Concen: 18.59 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

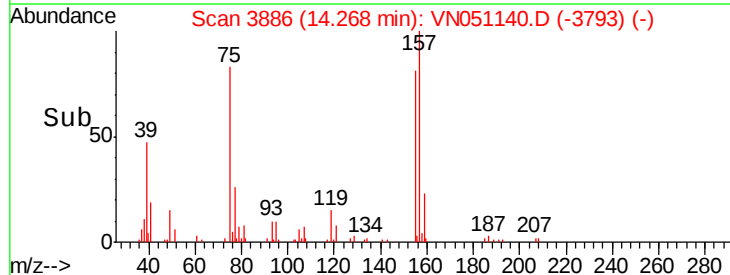
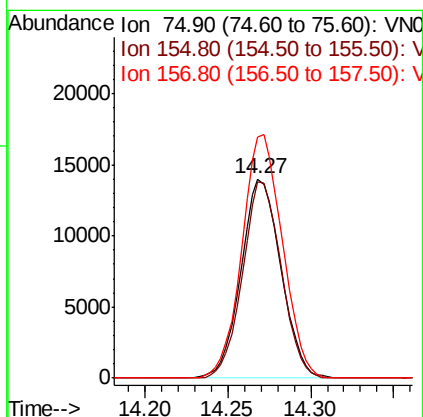
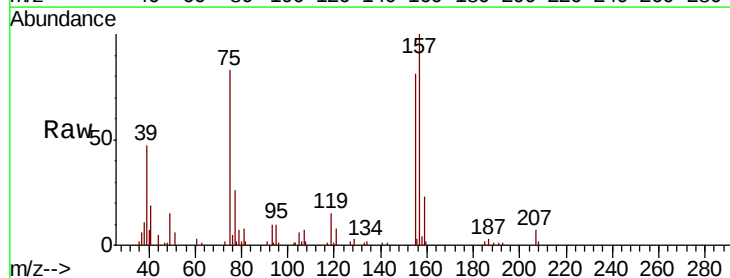
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

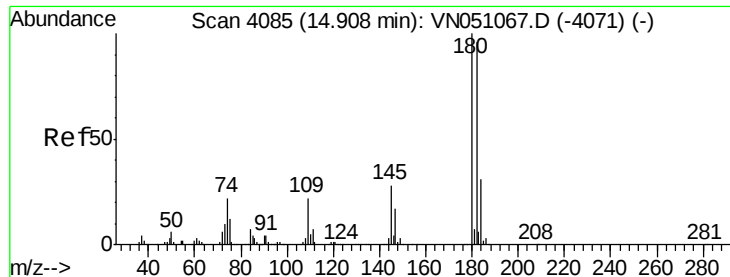
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	65.3	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.34 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	48.7	146.1
157	123.5	63.6	190.9





#93

1,2,4-Trichlorobenzene

Concen: 16.95 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

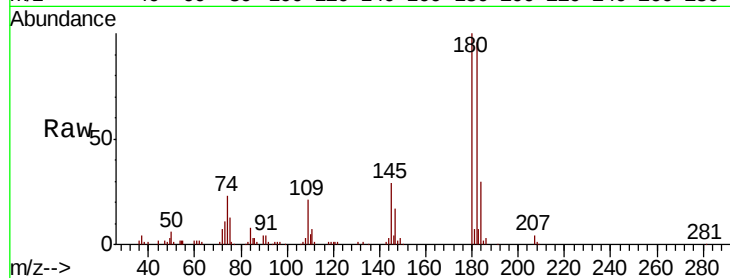
Tot Ion:180 Resp: 98980

Ion Ratio Lower Upper

180 100

182 96.4 47.3 141.8

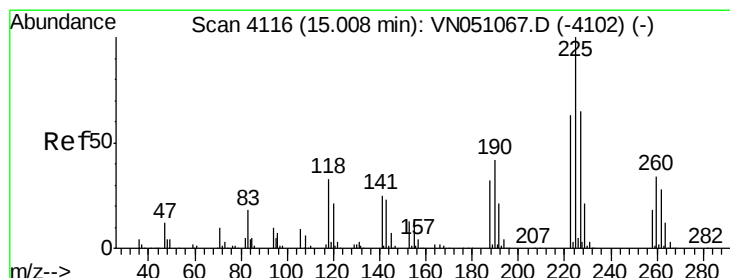
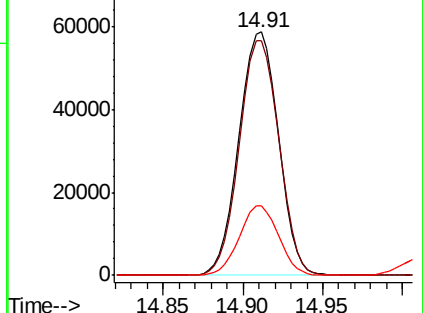
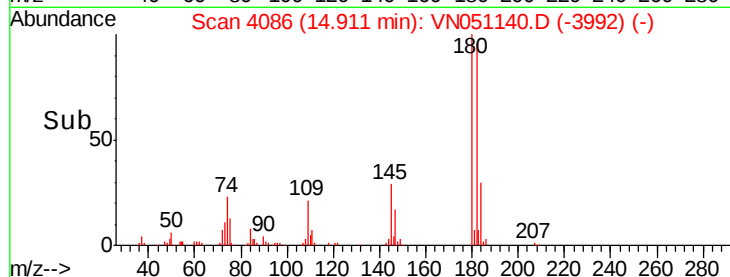
145 28.4 14.2 42.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.94 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

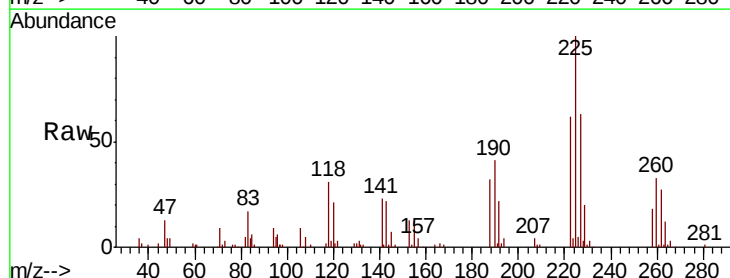
Tgt Ion:225 Resp: 88938

Ion Ratio Lower Upper

225 100

223 62.6 31.4 94.0

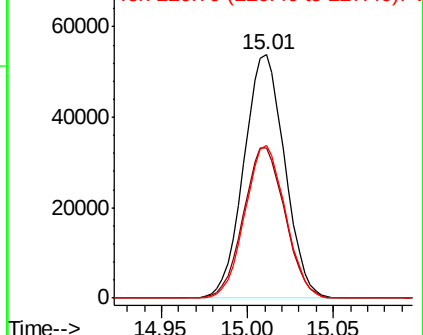
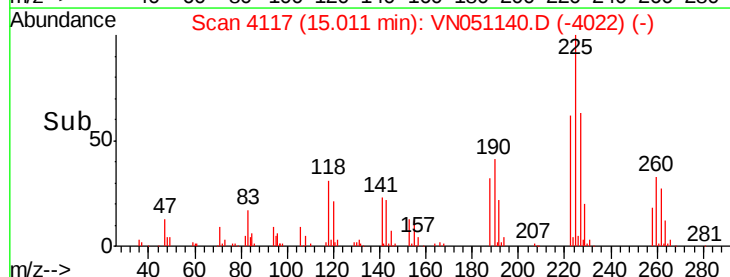
227 62.0 32.1 96.3

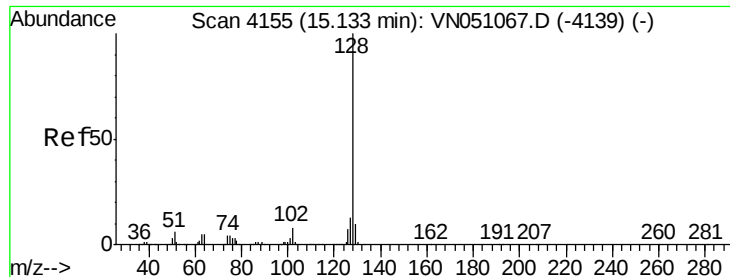


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.93 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

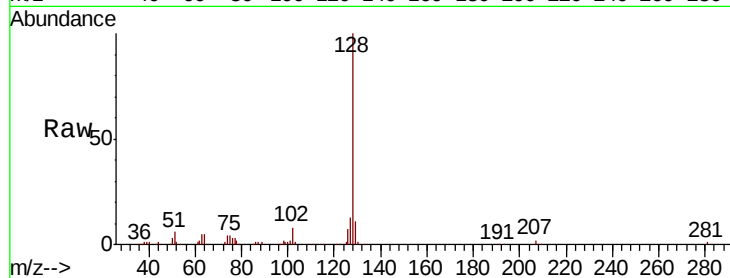
Tot Ion:128 Resp: 190411

Ion Ratio Lower Upper

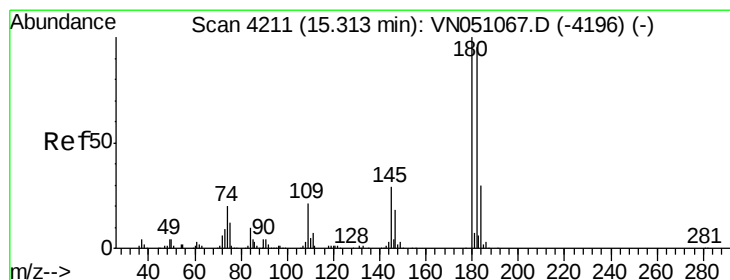
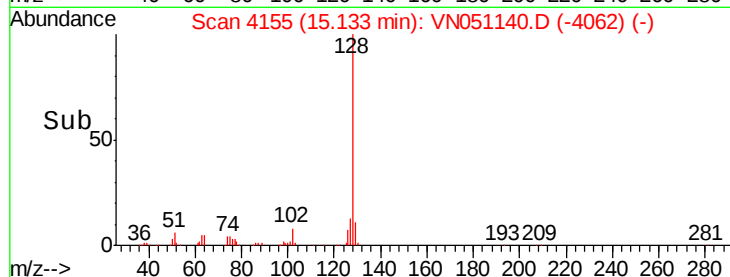
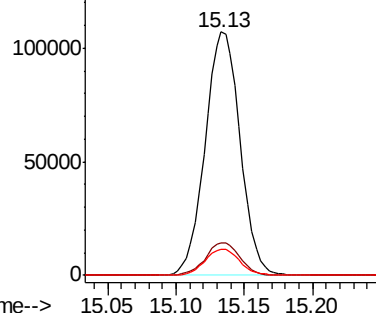
128 100

127 13.2 10.6 15.8

129 10.6 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: 17.70 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

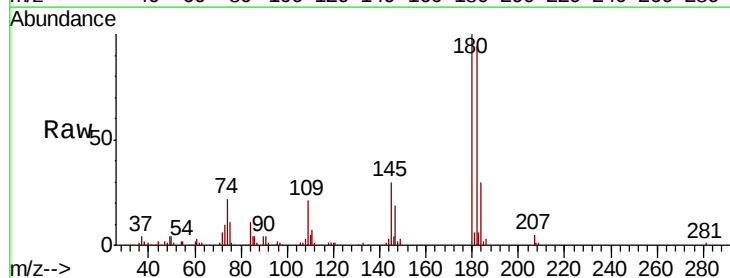
Tgt Ion:180 Resp: 105181

Ion Ratio Lower Upper

180 100

182 96.9 47.8 143.3

145 30.9 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

