

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051115.D
 Acq On : 11 Sep 2018 10:16
 Operator : MD\SY
 Sample : VN0911WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Quant Time: Sep 12 01:00:43 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	635031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	925960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	824803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	389418	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	365419	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
35) Dibromofluoromethane	7.59	113	353786	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.09	98	1338767	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.40	95	431391	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	114271	18.66	ug/l	100
3) Chloromethane	2.06	50	156751	19.49	ug/l	99
4) Vinyl Chloride	2.18	62	158570	18.86	ug/l	99
5) Bromomethane	2.56	94	94191	19.25	ug/l	93
6) Chloroethane	2.70	64	96448	18.59	ug/l	98
7) Trichlorofluoromethane	3.01	101	213163	19.14	ug/l	99
8) Diethyl Ether	3.41	74	80499	19.65	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136285	18.98	ug/l	99
10) Methyl Iodide	3.95	142	109120	20.05	ug/l	99
11) Tert butyl alcohol	4.79	59	51304	95.05	ug/l	99
12) 1,1-Dichloroethene	3.73	96	128944	19.04	ug/l	98
13) Acrolein	3.61	56	65872	114.55	ug/l	100
14) Allyl chloride	4.32	41	194751	18.87	ug/l	99
15) Acrylonitrile	4.99	53	232253	97.10	ug/l	99
16) Acetone	3.82	43	176881	97.67	ug/l	99
17) Carbon Disulfide	4.05	76	370766	18.64	ug/l	99
18) Methyl Acetate	4.33	43	108558	19.18	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	357514	19.97	ug/l	100
20) Methylene Chloride	4.55	84	147722	18.92	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	135729	18.47	ug/l	99
22) Diisopropyl ether	5.96	45	416746	20.34	ug/l	99
23) Vinyl Acetate	5.90	43	1377138	99.34	ug/l	100
24) 1,1-Dichloroethane	5.85	63	253479	19.50	ug/l	99
25) 2-Butanone	6.84	43	260272	93.67	ug/l	100
26) 2,2-Dichloropropane	6.82	77	198638	18.67	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	153527	19.05	ug/l	100
28) Bromochloromethane	7.20	49	116288	20.10	ug/l	99
29) Tetrahydrofuran	7.22	42	175575	101.19	ug/l	99
30) Chloroform	7.37	83	252210	19.51	ug/l	99
31) Cyclohexane	7.65	56	226381	19.39	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	215984	19.60	ug/l	99
36) 1,1-Dichloropropene	7.79	75	190534	18.74	ug/l	100
37) Ethyl Acetate	6.93	43	121332	20.61	ug/l	100
38) Carbon Tetrachloride	7.78	117	191004	19.09	ug/l	99

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Instrument :
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 ClientSampleId :
 VN0911WBSD01

Quant Time: Sep 12 01:00:43 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	203933	18.18	ug/l	98
40) Benzene	8.04	78	592087	19.33	ug/l	99
41) Methacrylonitrile	7.21	41	164987	54.31	ug/l #	13
42) 1,2-Dichloroethane	8.13	62	174574	19.55	ug/l	100
43) Isopropyl Acetate	8.17	43	209881	20.20	ug/l #	89
44) Trichloroethene	8.84	130	153751	18.35	ug/l	98
45) 1,2-Dichloropropane	9.12	63	153995	19.45	ug/l	100
46) Dibromomethane	9.21	93	90110	18.66	ug/l	100
47) Bromodichloromethane	9.40	83	187779	19.12	ug/l	96
48) Methyl methacrylate	9.20	41	99505	19.65	ug/l	98
49) 1,4-Dioxane	9.20	88	30447	383.51	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	580033	100.96	ug/l	99
52) Toluene	10.16	92	363573	19.46	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	183466	18.67	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	221402	19.21	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	131728	19.41	ug/l	98
56) Ethyl methacrylate	10.43	69	161764	19.35	ug/l	98
57) 1,3-Dichloropropane	10.71	76	220256	19.58	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	323045	94.48	ug/l	99
59) 2-Hexanone	10.75	43	369584	94.86	ug/l	98
60) Dibromochloromethane	10.90	129	146830	19.20	ug/l	100
61) 1,2-Dibromoethane	11.01	107	127894	19.28	ug/l	99
64) Tetrachloroethene	10.63	164	142990	19.00	ug/l	98
65) Chlorobenzene	11.43	112	395640	19.03	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	146131	19.52	ug/l	99
67) Ethyl Benzene	11.51	91	642656	19.09	ug/l	100
68) m/p-Xylenes	11.62	106	507124	39.20	ug/l	100
69) o-Xylene	11.95	106	244872	19.55	ug/l	99
70) Styrene	11.96	104	388258	19.98	ug/l	100
71) Bromoform	12.13	173	102365	19.42	ug/l #	99
73) Isopropylbenzene	12.25	105	644697	19.74	ug/l	100
74) N-amyl acetate	12.07	43	154400	18.79	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	165257	21.14	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	190647	31.01	ug/l #	100
77) Bromobenzene	12.53	156	167161	19.06	ug/l	99
78) n-propylbenzene	12.59	91	697140	19.42	ug/l	100
79) 2-Chlorotoluene	12.67	91	435625	19.42	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	525580	19.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38651	18.85	ug/l	96
82) 4-Chlorotoluene	12.77	91	423641	19.02	ug/l	100
83) tert-Butylbenzene	12.99	119	445054	19.09	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	525625	20.25	ug/l	100
85) sec-Butylbenzene	13.17	105	579865	19.40	ug/l	99
86) p-Isopropyltoluene	13.29	119	496401	19.58	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	274813	18.47	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	262161	19.19	ug/l	98
89) n-Butylbenzene	13.62	91	355665	18.03	ug/l	98
90) Hexachloroethane	13.87	117	92291	19.62	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	273112	18.83	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22573	20.63	ug/l	96

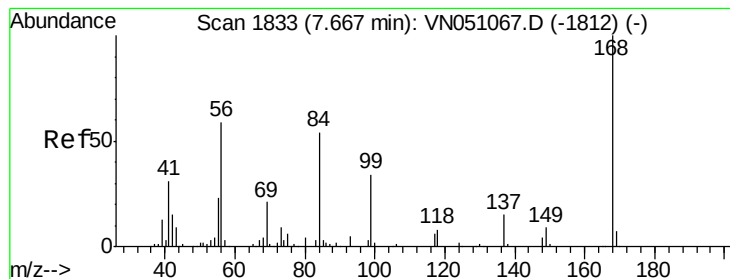
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
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Acq On : 11 Sep 2018 10:16
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Instrument :
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ClientSampleId :
VN0911WBSD01

Quant Time: Sep 12 01:00:43 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	95690	16.55	ug/l	100
94) Hexachlorobutadiene	15.01	225	85841	19.23	ug/l	99
95) Naphthalene	15.13	128	189655	16.91	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	101238	17.18	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

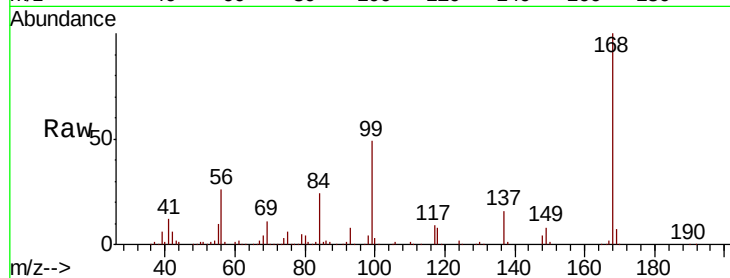
VN0911WBSD01

Tot Ion:168 Resp: 635031

Ion Ratio Lower Upper

168 100

99 48.4 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

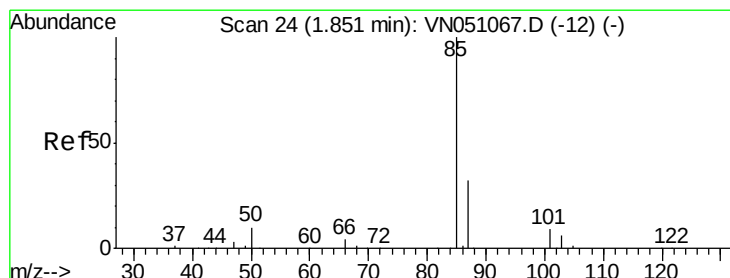
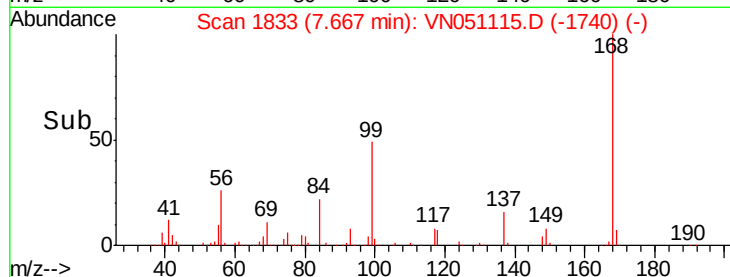
50000

0

Time-->

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 18.66 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051115.D

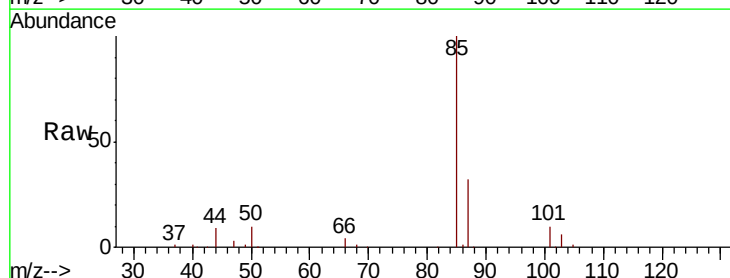
Acq: 11 Sep 2018 10:16

Tgt Ion: 85 Resp: 114271

Ion Ratio Lower Upper

85 100

87 31.9 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

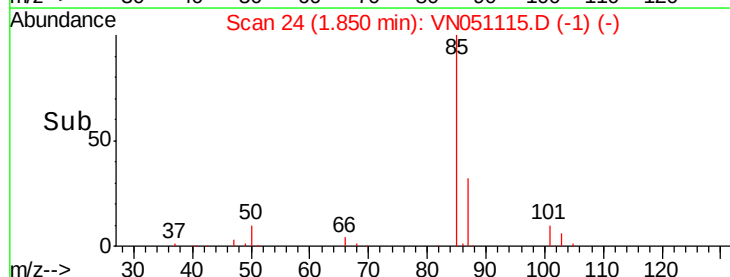
Time-->

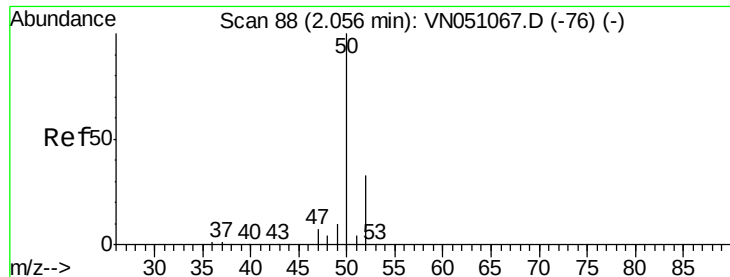
1.80

1.85

1.90

1.95





#3

Chloromethane

Concen: 19.49 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

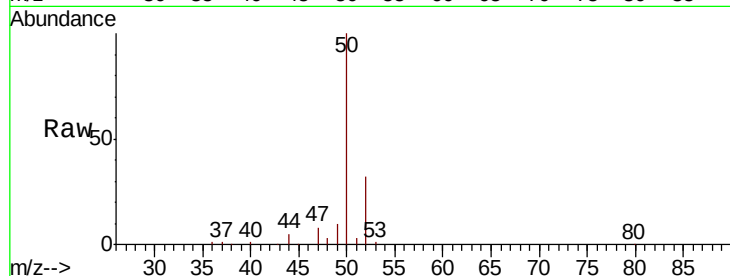
VN0911WBSD01

Tot Ion: 50 Resp: 156751

Ion Ratio Lower Upper

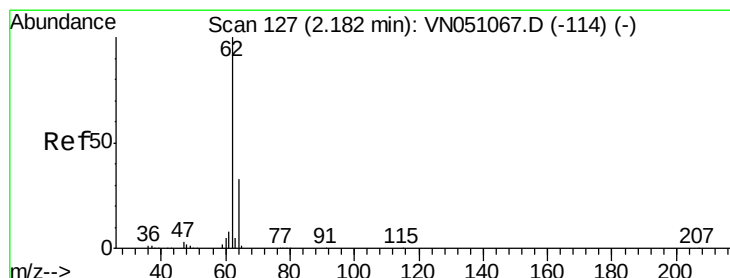
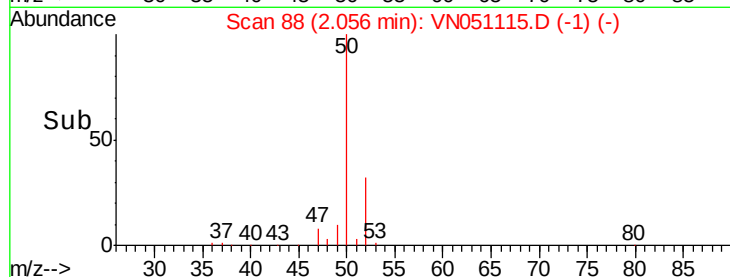
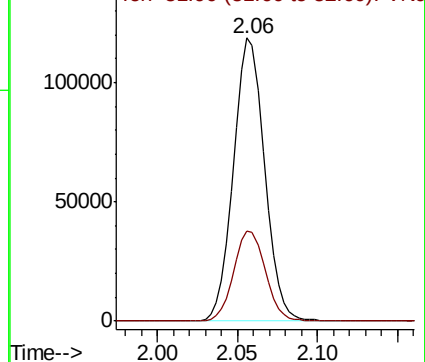
50 100

52 32.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.86 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051115.D

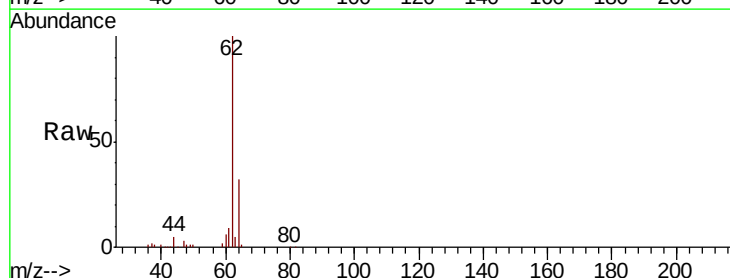
Acq: 11 Sep 2018 10:16

Tgt Ion: 62 Resp: 158570

Ion Ratio Lower Upper

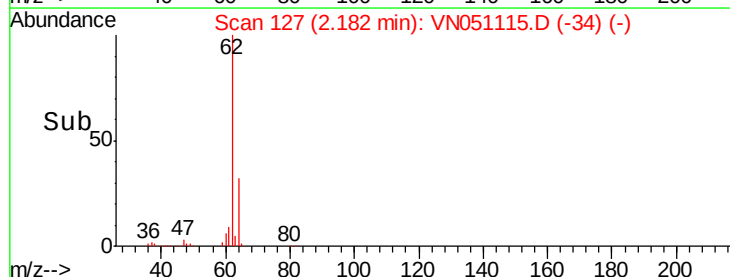
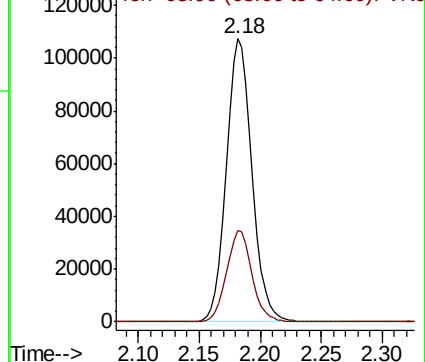
62 100

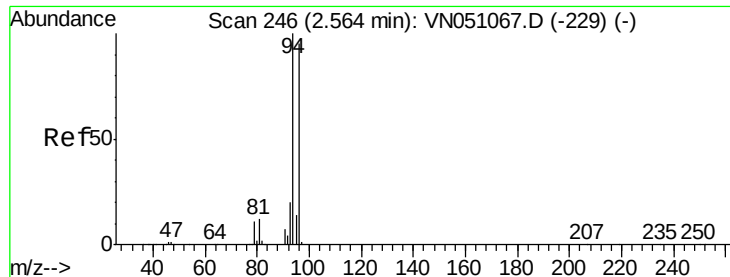
64 32.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.25 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

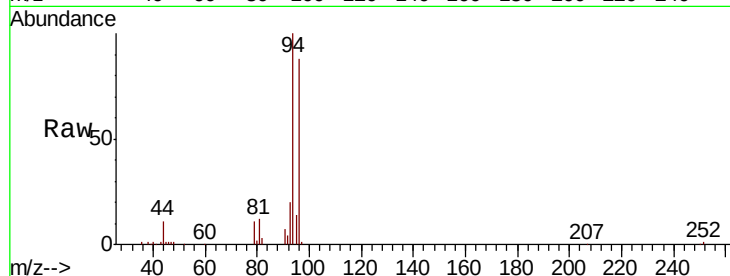
VN0911WBSD01

Tot Ion: 94 Resp: 94191

Ion Ratio Lower Upper

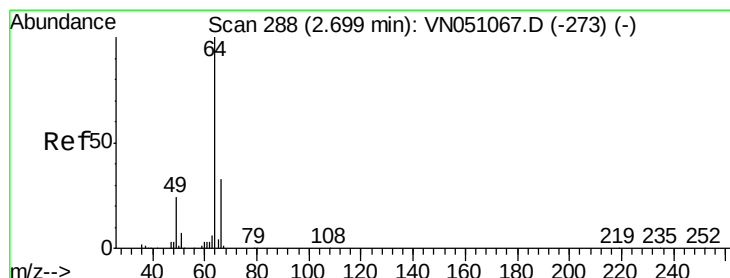
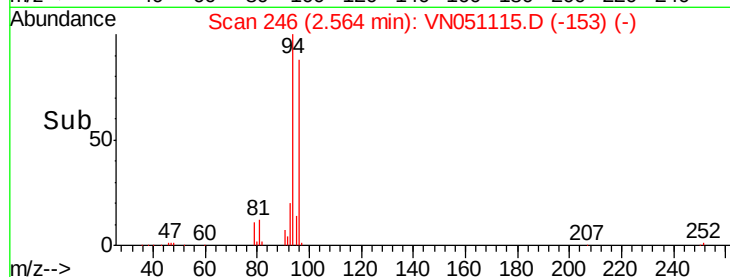
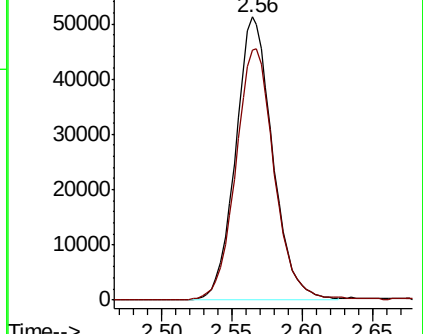
94 100

96 88.3 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: 18.59 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051115.D

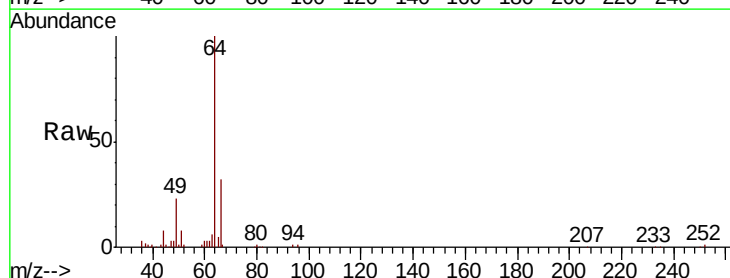
Acq: 11 Sep 2018 10:16

Tgt Ion: 64 Resp: 96448

Ion Ratio Lower Upper

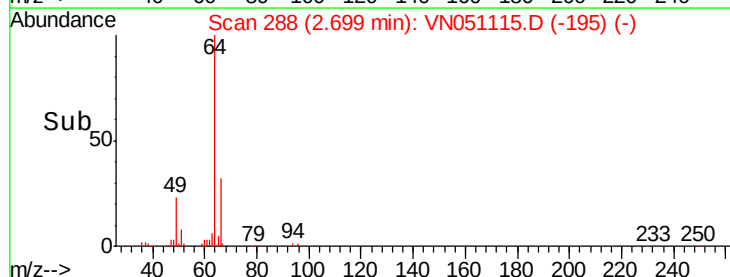
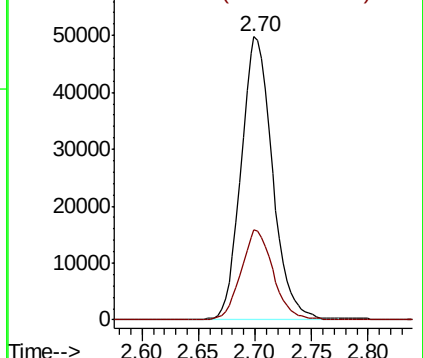
64 100

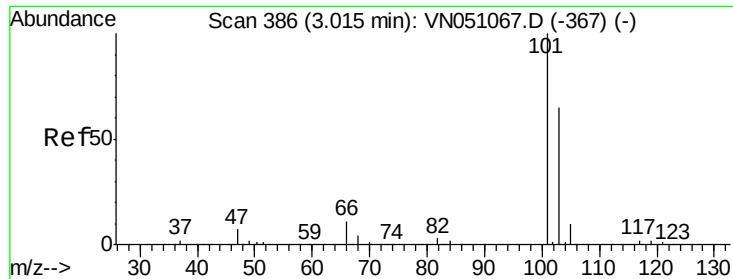
66 31.7 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.14 ug/l

RT: 3.01 min Scan# 386

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

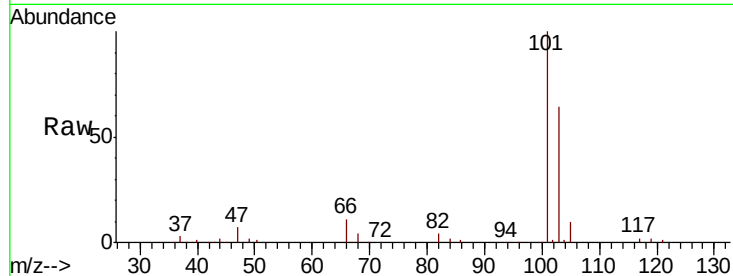
VN0911WBSD01

Tot Ion:101 Resp: 213163

Ion Ratio Lower Upper

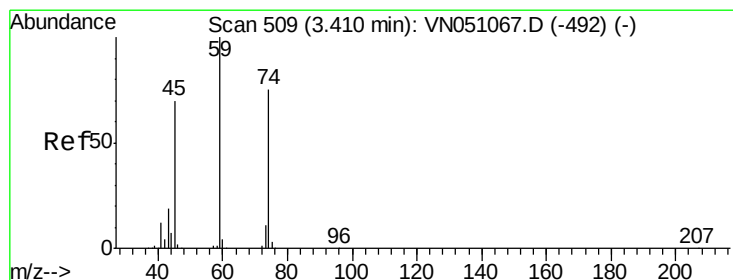
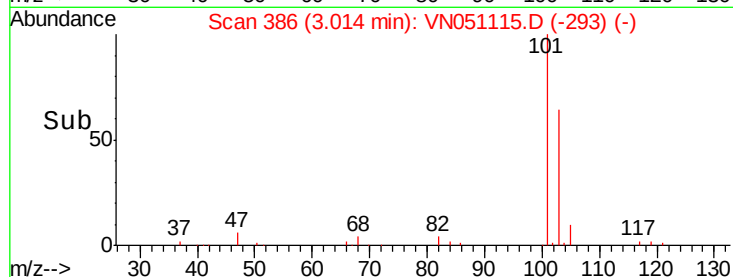
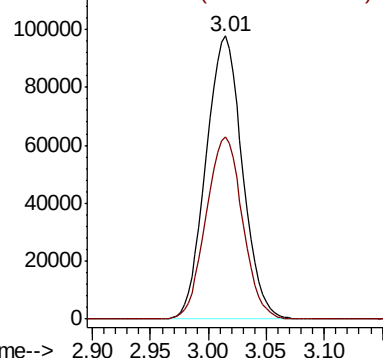
101 100

103 64.4 52.4 78.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.65 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN051115.D

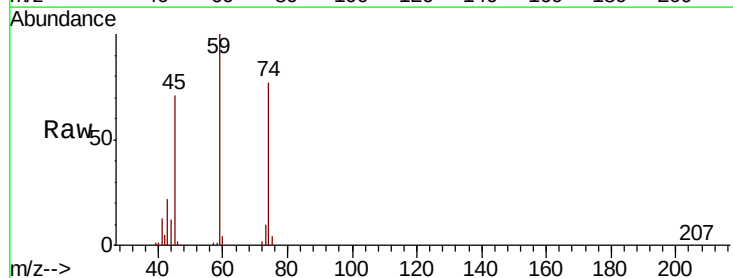
Acq: 11 Sep 2018 10:16

Tgt Ion: 74 Resp: 80499

Ion Ratio Lower Upper

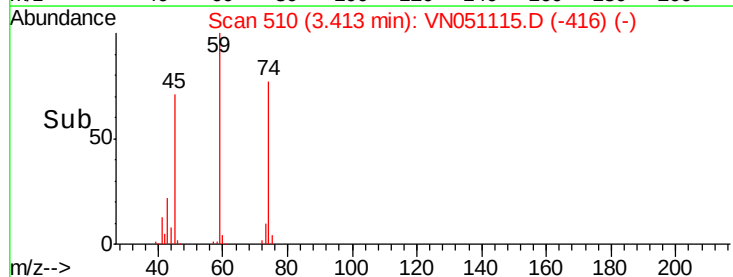
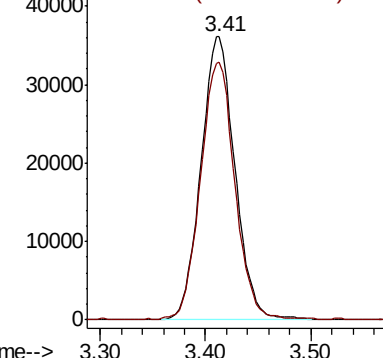
74 100

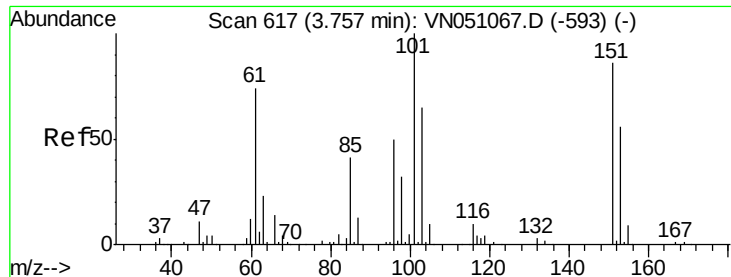
45 92.3 46.7 140.0



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.98 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

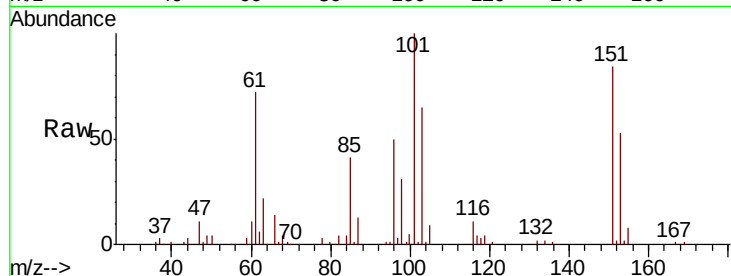
Tot Ion:101 Resp: 136285

Ion Ratio Lower Upper

101 100

85 42.2 33.3 49.9

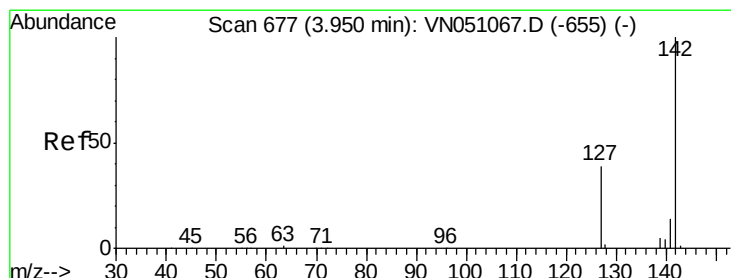
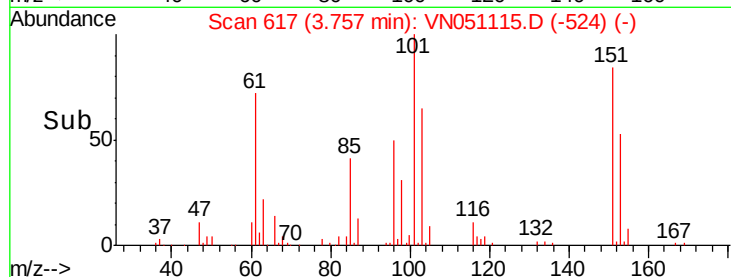
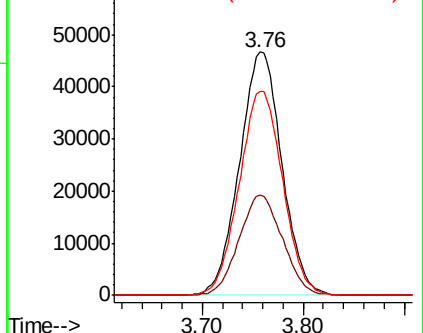
151 85.9 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.05 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

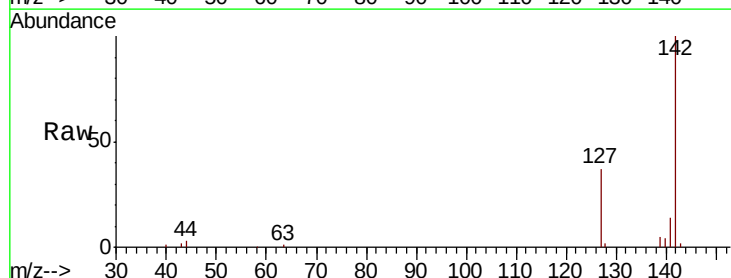
Tgt Ion:142 Resp: 109120

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.4

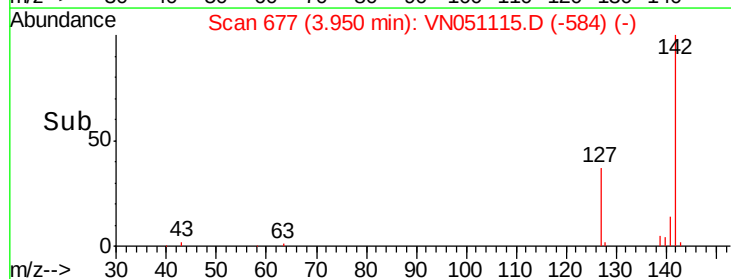
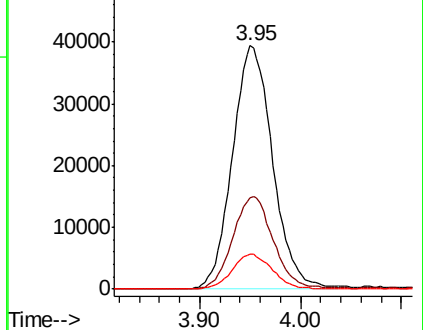
141 14.5 11.3 16.9

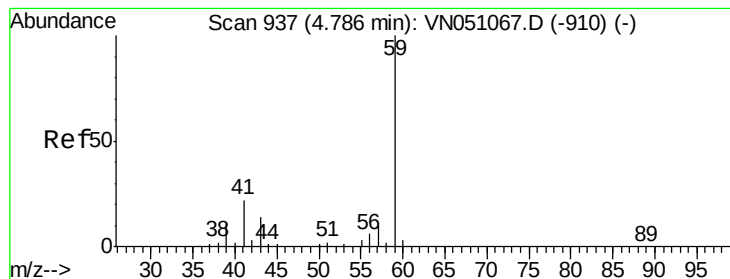


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



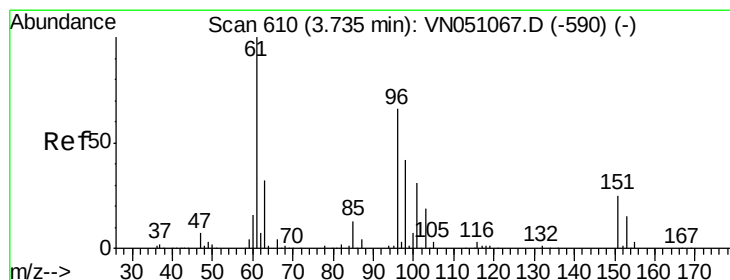
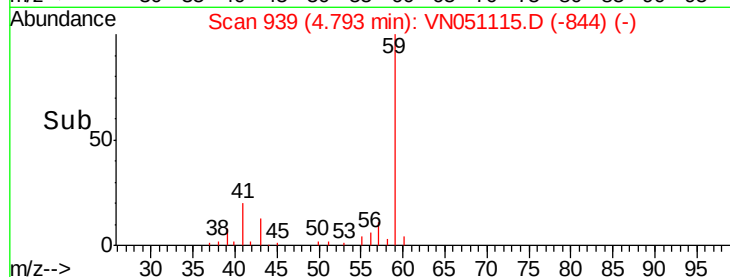
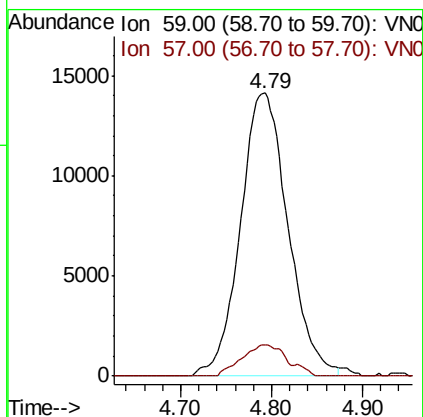
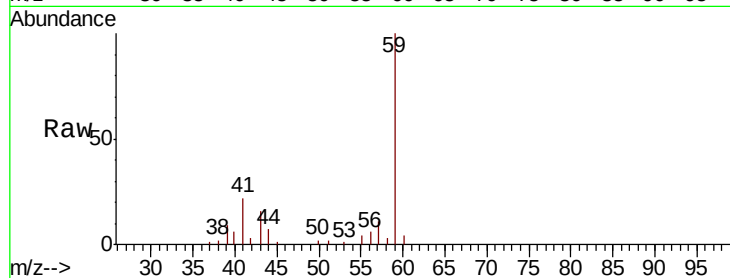


#11

Tert butyl alcohol
 Concen: 95.05 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

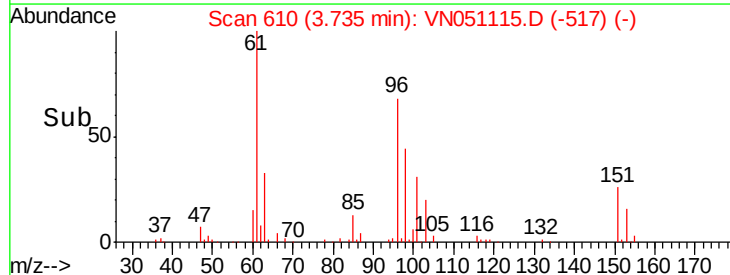
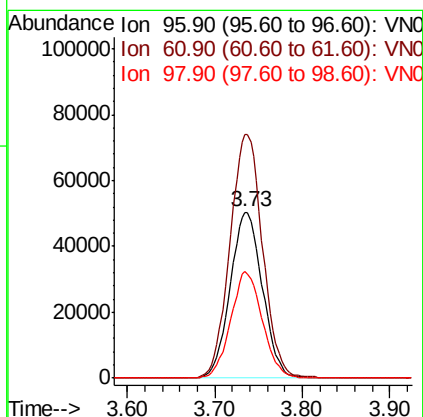
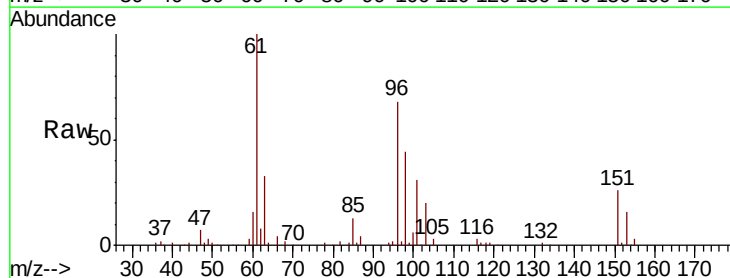
Tot Ion: 59 Resp: 51304
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.1 12.1

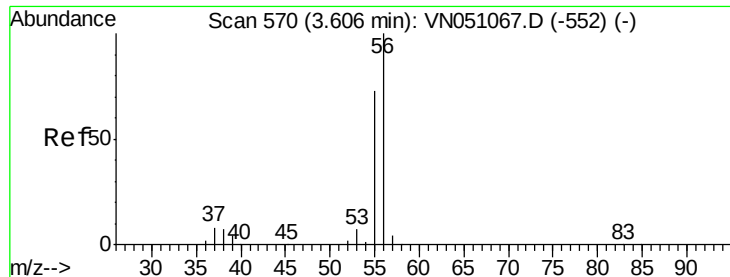


#12

1,1-Dichloroethene
 Concen: 19.04 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion: 96 Resp: 128944
 Ion Ratio Lower Upper
 96 100
 61 146.6 120.3 180.5
 98 64.3 50.8 76.2





#13

Acrolein

Concen: 114.55 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

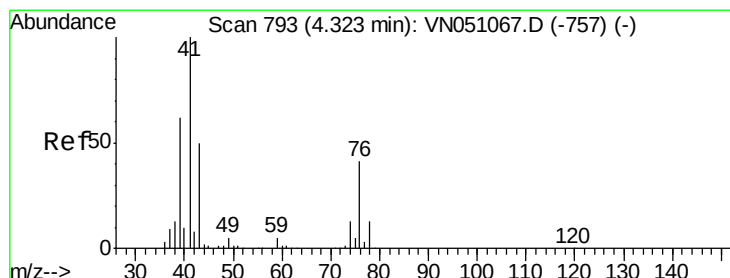
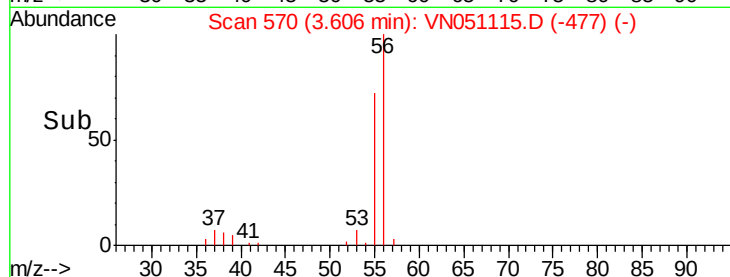
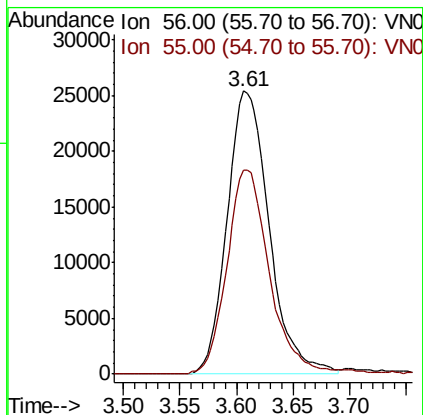
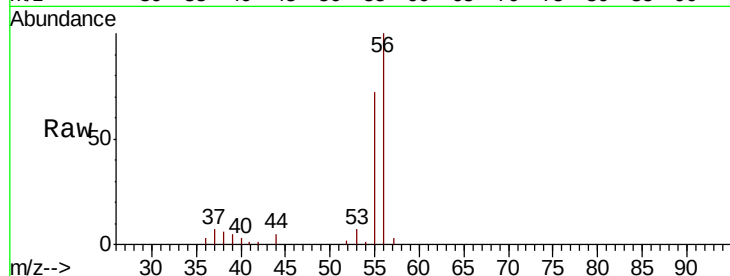
VN0911WBSD01

Tot Ion: 56 Resp: 65872

Ion Ratio Lower Upper

56 100

55 72.4 58.0 87.0



#14

Allyl chloride

Concen: 18.87 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

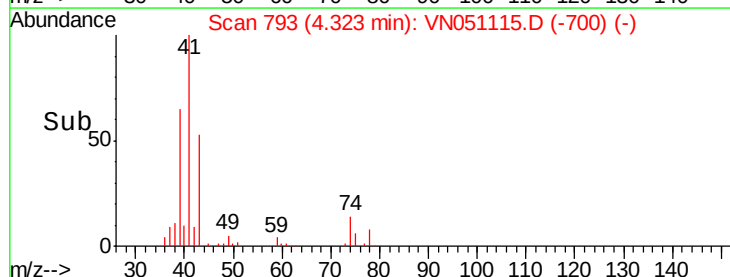
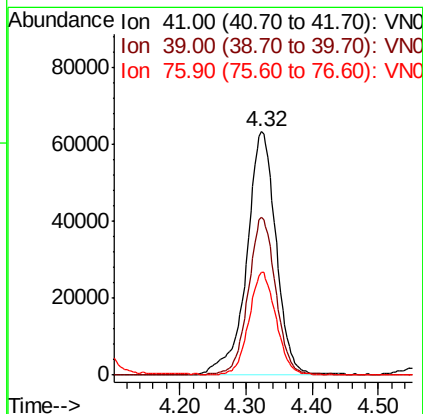
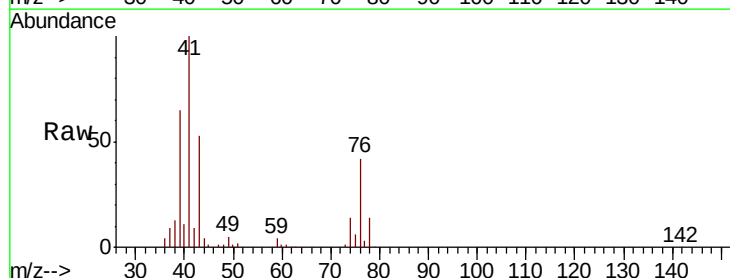
Tgt Ion: 41 Resp: 194751

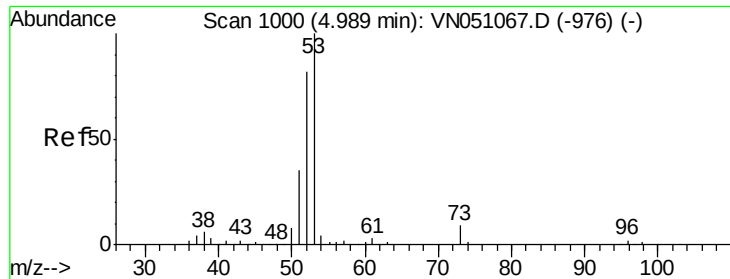
Ion Ratio Lower Upper

41 100

39 60.9 48.8 73.2

76 39.0 30.6 45.8





#15

Acrylonitrile

Concen: 97.10 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0911WBSD01

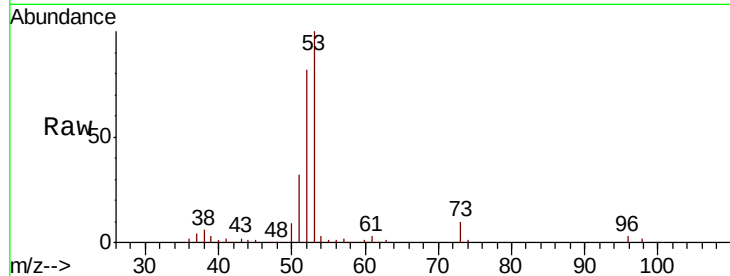
Tot Ion: 53 Resp: 232253

Ion Ratio Lower Upper

53 100

52 82.4 65.3 97.9

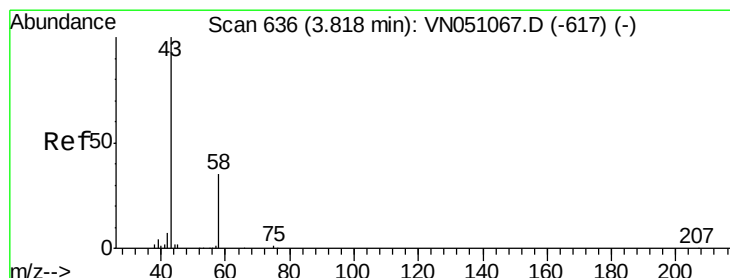
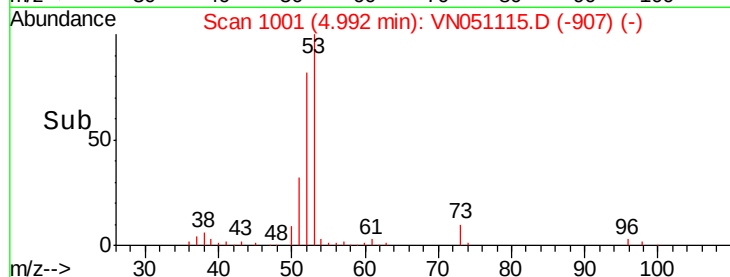
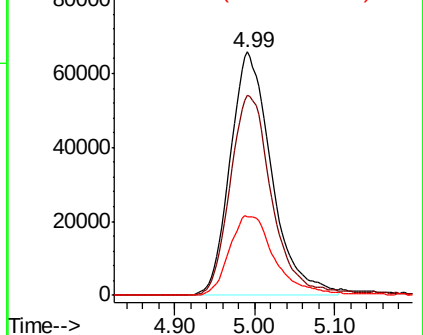
51 35.9 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 97.67 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051115.D

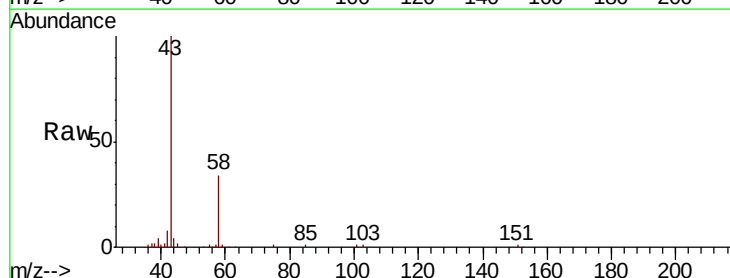
Acq: 11 Sep 2018 10:16

Tgt Ion: 43 Resp: 176881

Ion Ratio Lower Upper

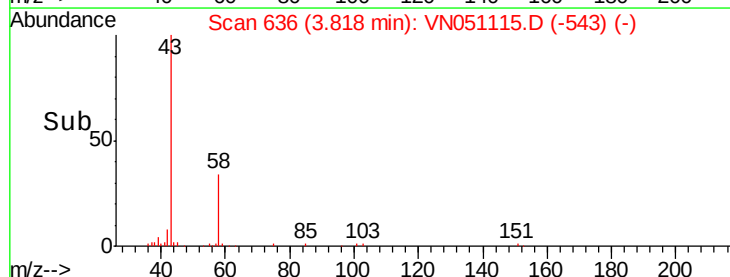
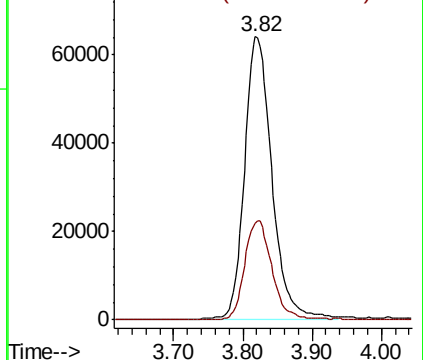
43 100

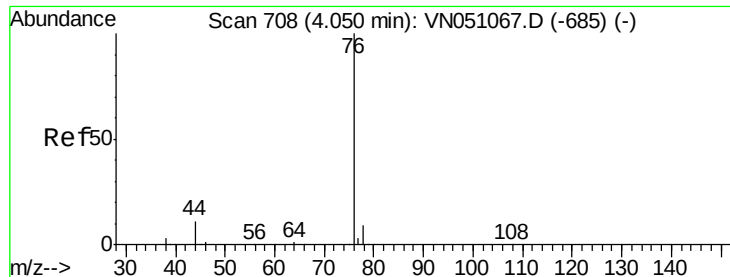
58 34.1 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

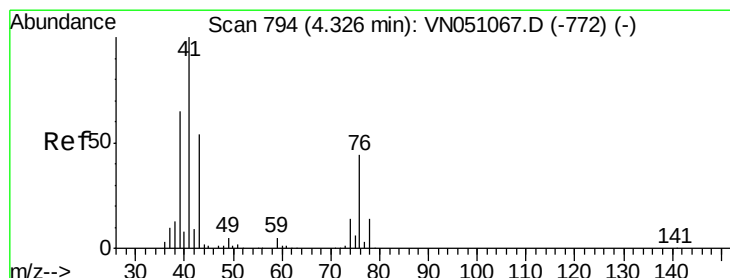
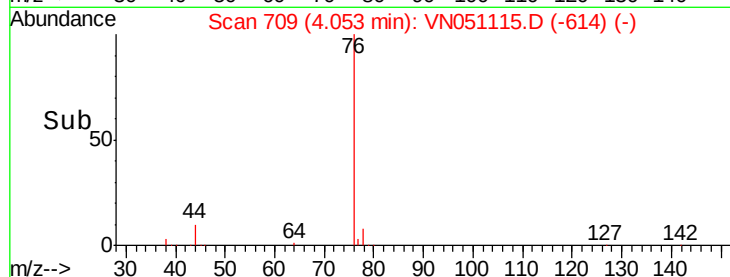
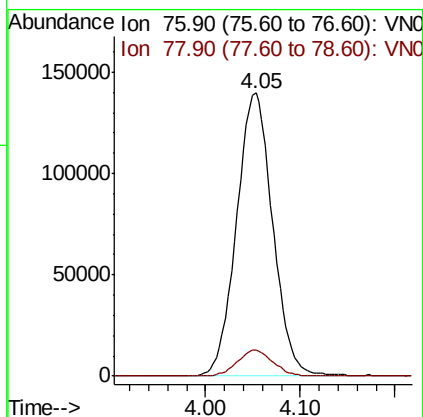
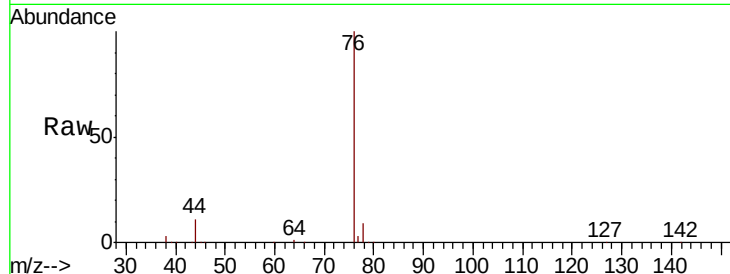




#17
Carbon Disulfide
Concen: 18.64 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

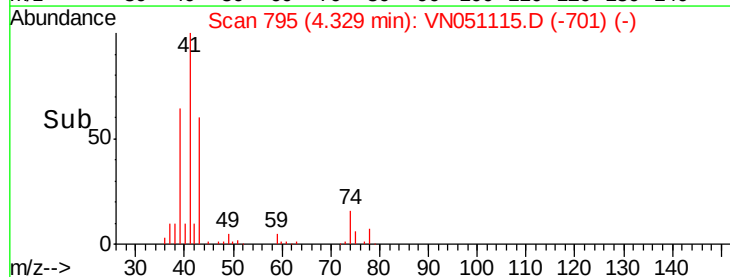
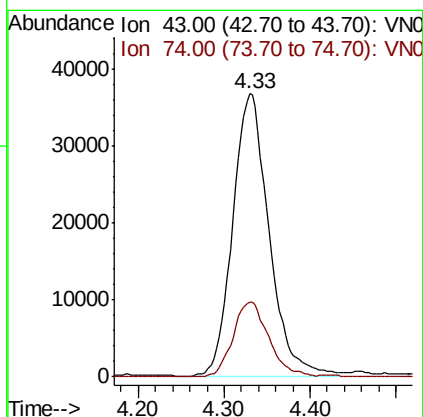
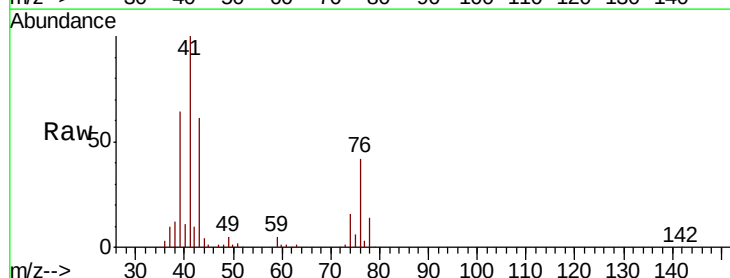
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

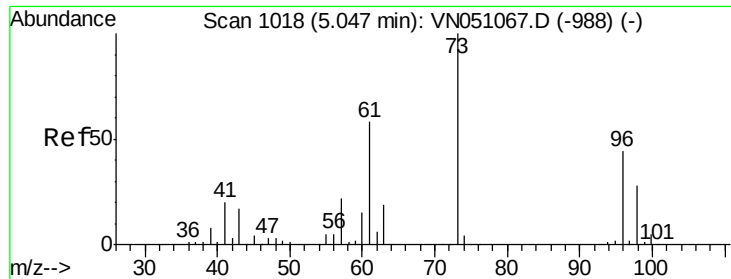
Tot Ion: 76 Resp: 370766
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 19.18 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion: 43 Resp: 108558
Ion Ratio Lower Upper
43 100
74 25.9 20.7 31.1

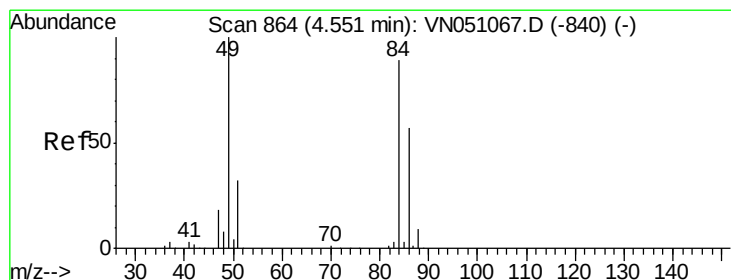
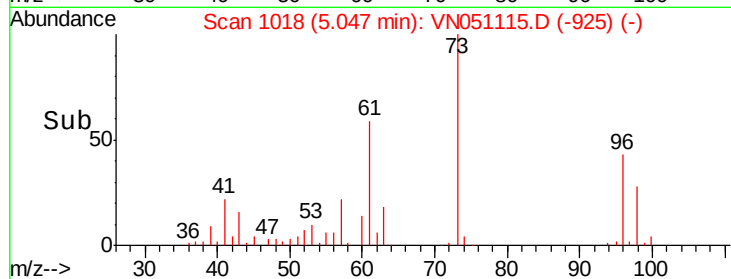
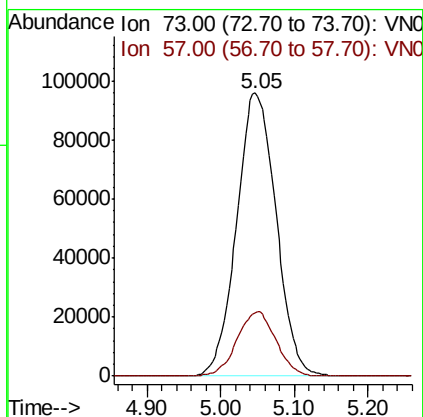
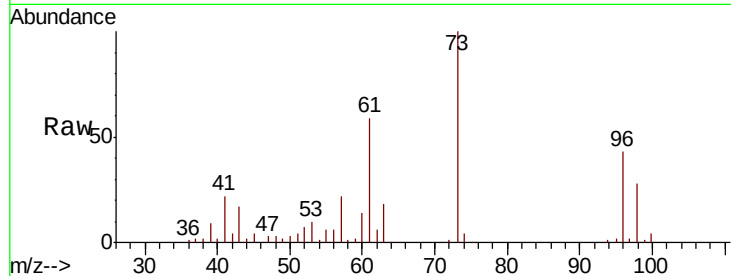




#19
Methvl tert-butvl Ether
Concen: 19.97 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

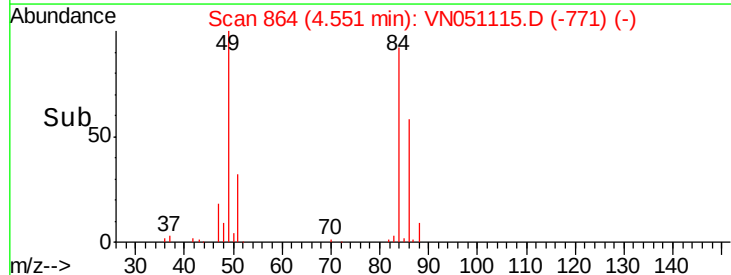
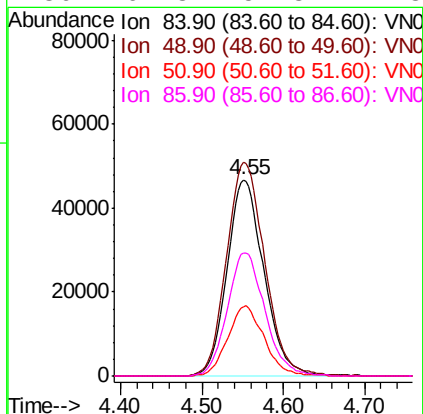
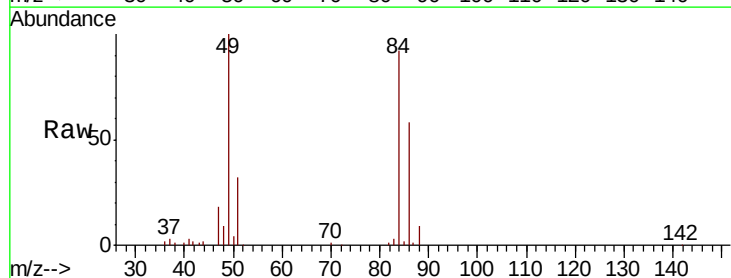
Instrument :
MSVOA_N
ClientSampled :
VN0911WBSD01

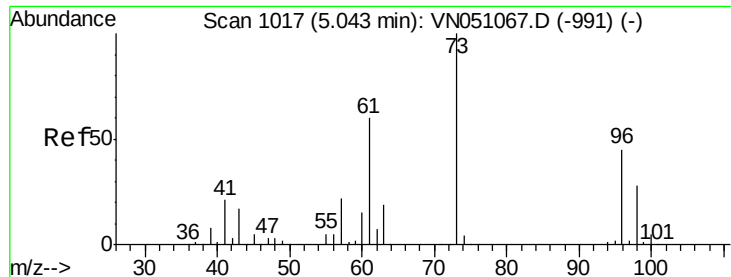
Tot Ion: 73 Resp: 357514
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9



#20
Methylene Chloride
Concen: 18.92 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion: 84 Resp: 147722
Ion Ratio Lower Upper
84 100
49 109.0 90.2 135.2
51 35.3 28.4 42.6
86 62.8 51.8 77.8

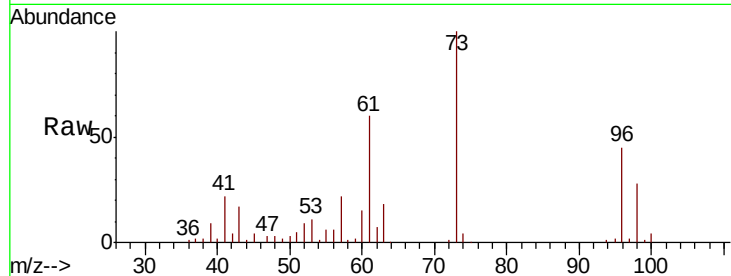




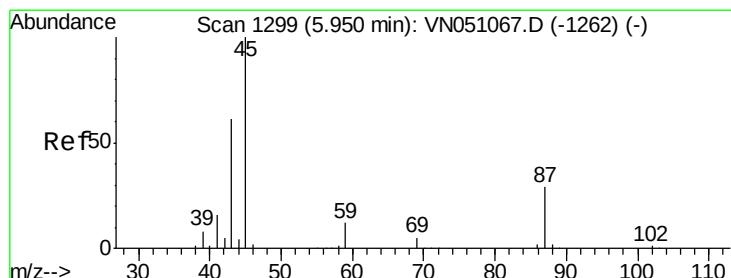
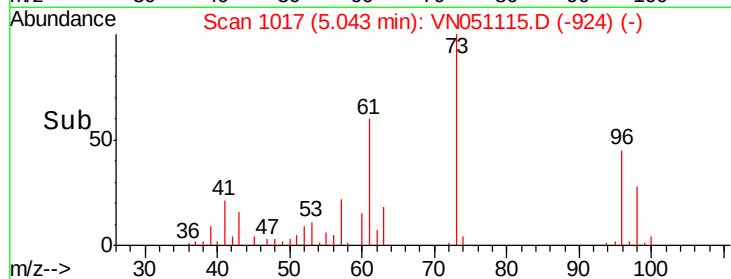
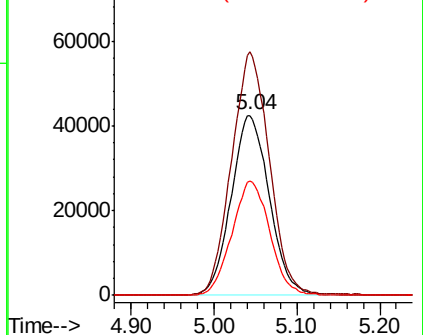
#21
trans-1,2-Dichloroethene
Concen: 18.47 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampled :
VN0911WBSD01

Tot Ion: 96 Resp: 135729
Ion Ratio Lower Upper
96 100
61 135.2 106.5 159.7
98 63.7 50.4 75.6

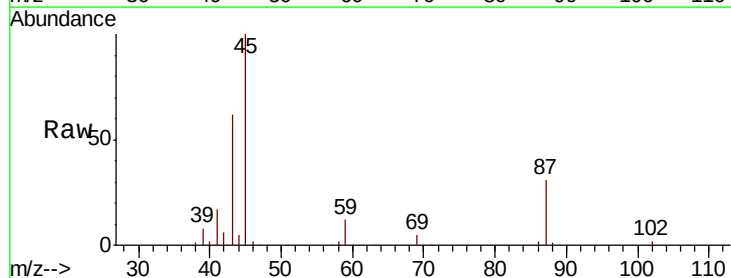


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

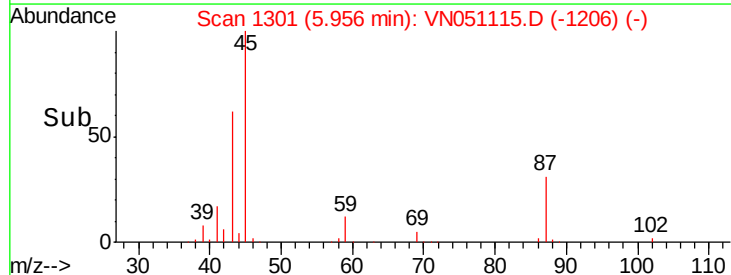
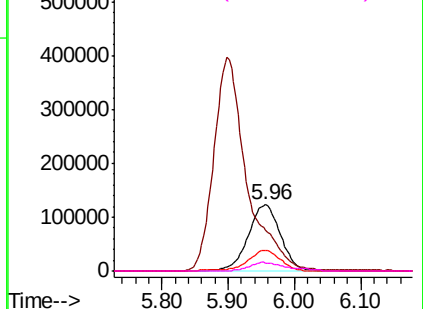


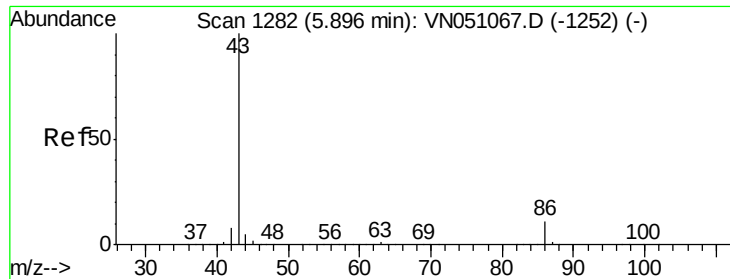
#22
Diisopropyl ether
Concen: 20.34 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion: 45 Resp: 416746
Ion Ratio Lower Upper
45 100
43 60.4 48.8 73.2
87 30.6 23.8 35.8
59 12.1 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

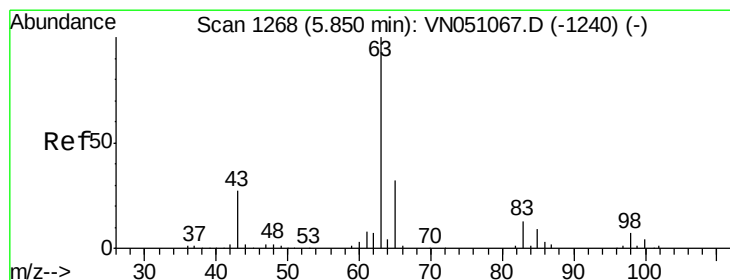
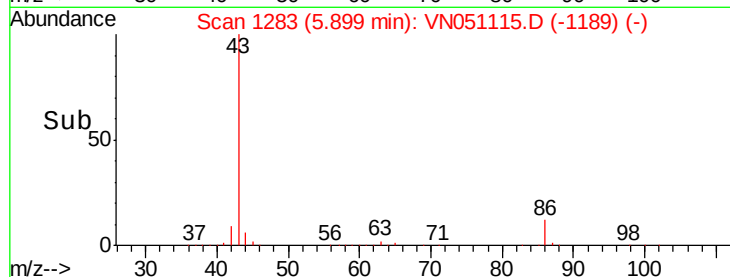
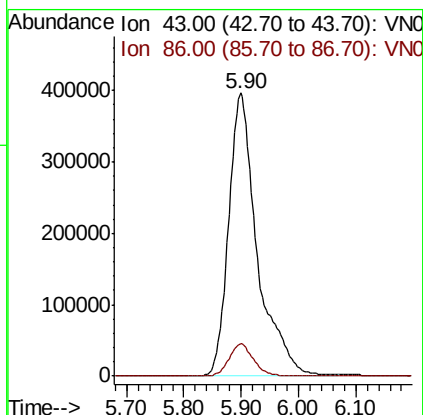
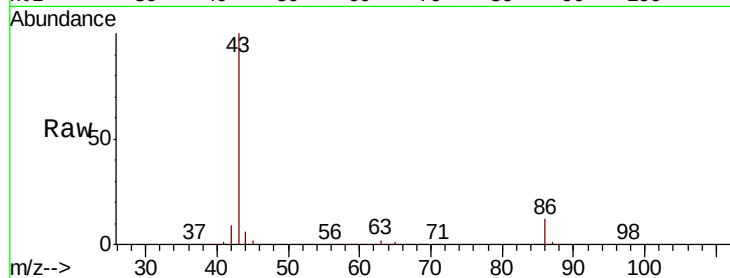




#23
 Vinyl Acetate
 Concen: 99.34 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

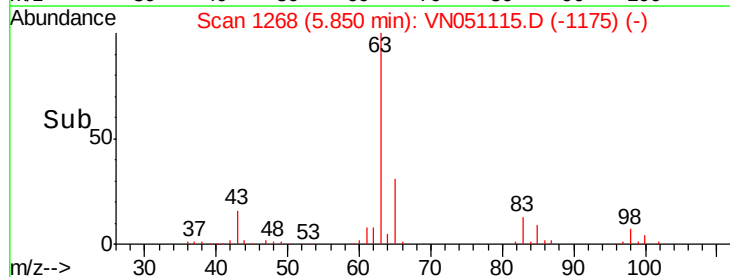
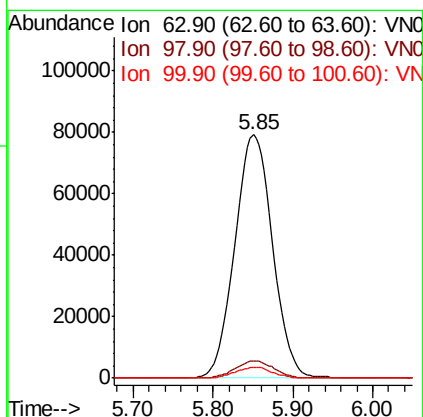
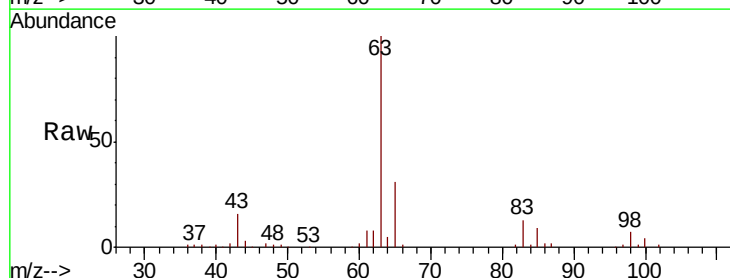
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

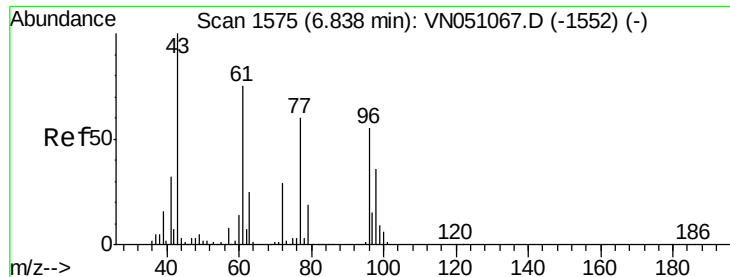
Tot Ion: 43 Resp: 1377138
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 19.50 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion: 63 Resp: 253479
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.4 10.1
 100 4.4 2.1 6.3

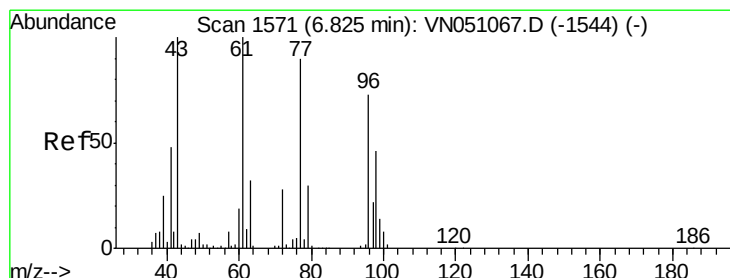
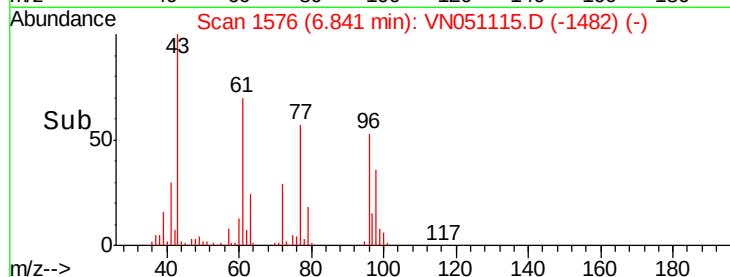
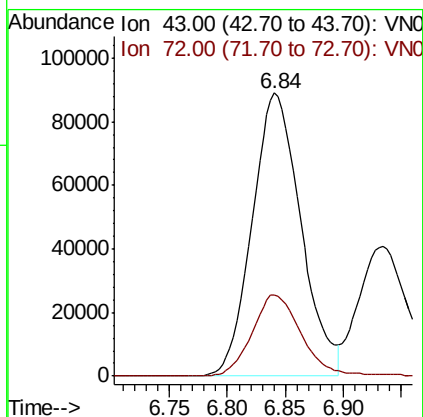
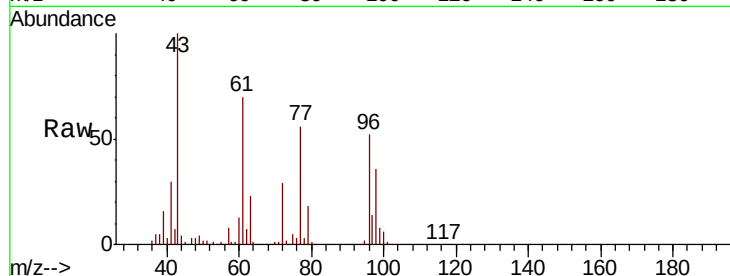




#25
 2-Butanone
 Concen: 93.67 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

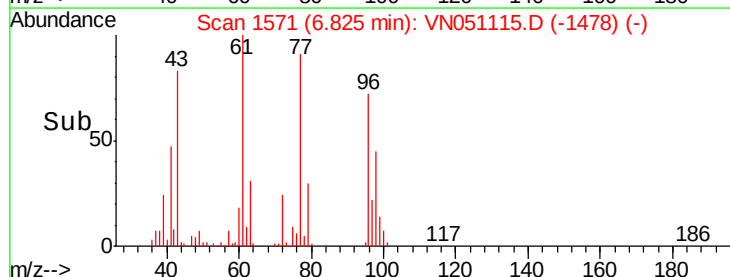
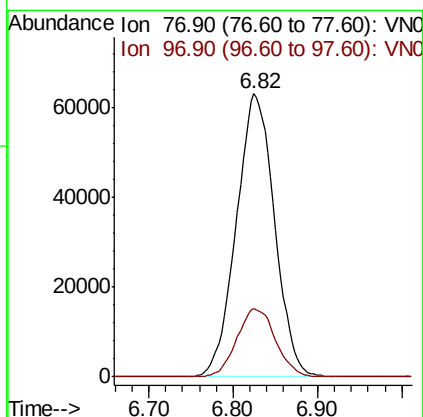
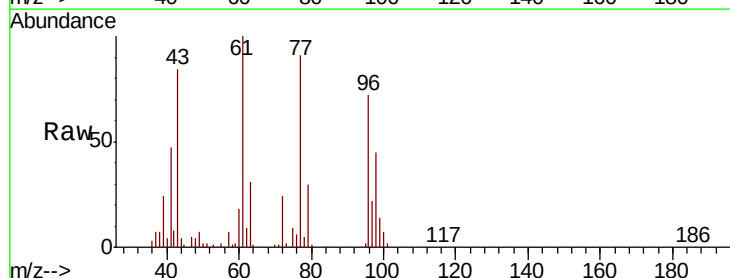
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

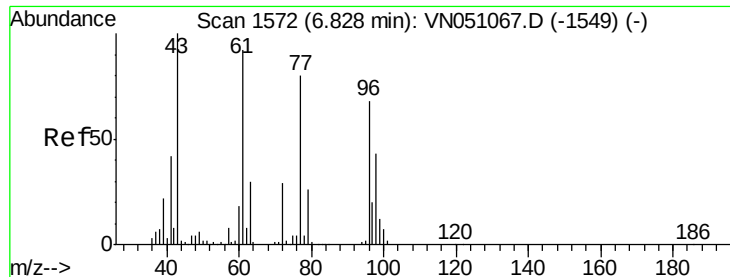
Tot Ion: 43 Resp: 260272
 Ion Ratio Lower Upper
 43 100
 72 28.8 23.0 34.6



#26
 2,2-Dichloropropane
 Concen: 18.67 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion: 77 Resp: 198638
 Ion Ratio Lower Upper
 77 100
 97 24.3 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 19.05 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

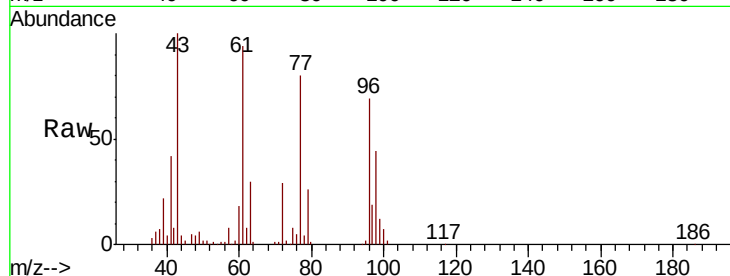
Tot Ion: 96 Resp: 153527

Ion Ratio Lower Upper

96 100

61 139.4 0.0 278.2

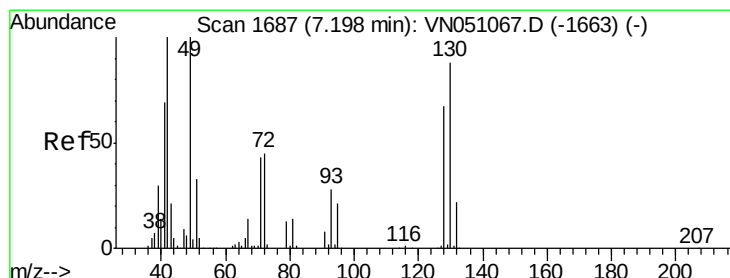
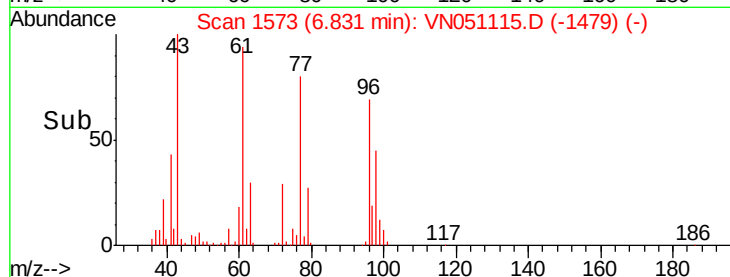
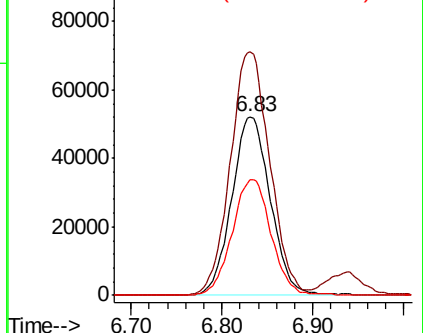
98 65.3 0.0 129.4



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: 20.10 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

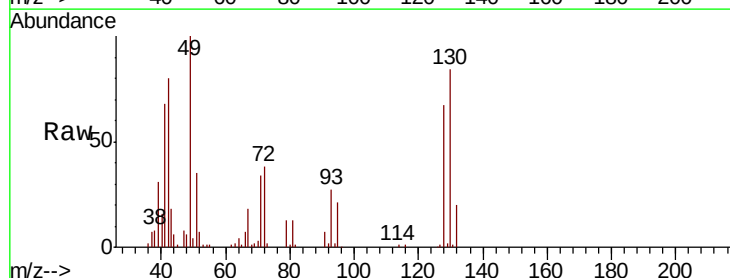
Tgt Ion: 49 Resp: 116288

Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.4

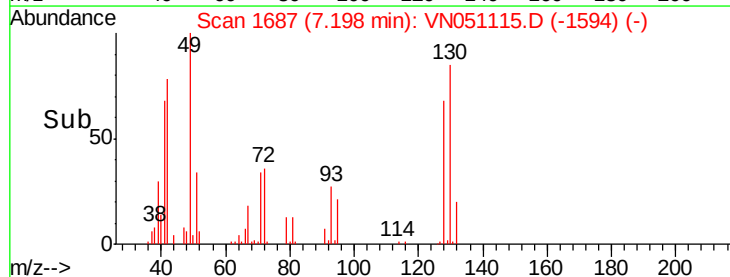
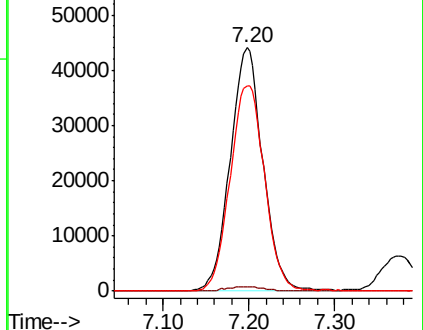
130 88.9 70.7 106.1

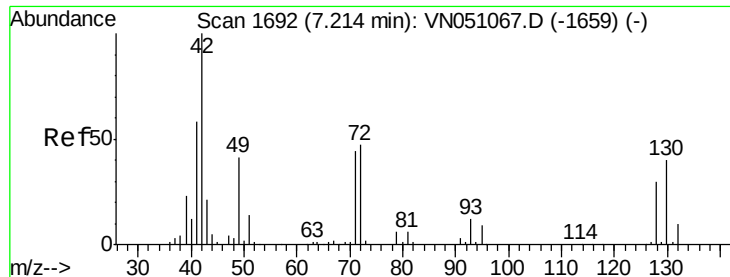


Abundance Ion 48.90 (48.60 to 49.60): VN051067.D (-1663) (-)

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: 101.19 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

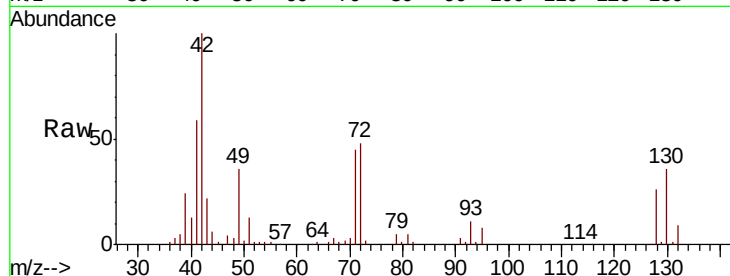
Tot Ion: 42 Resp: 175575

Ion Ratio Lower Upper

42 100

72 45.7 37.4 56.0

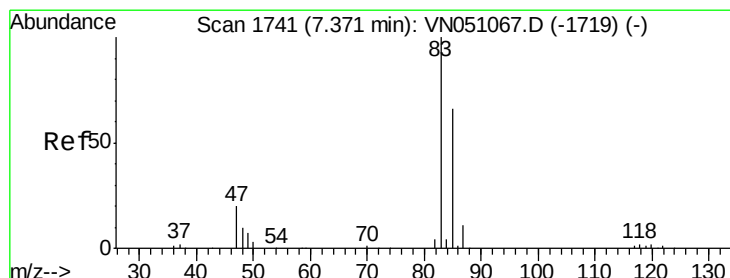
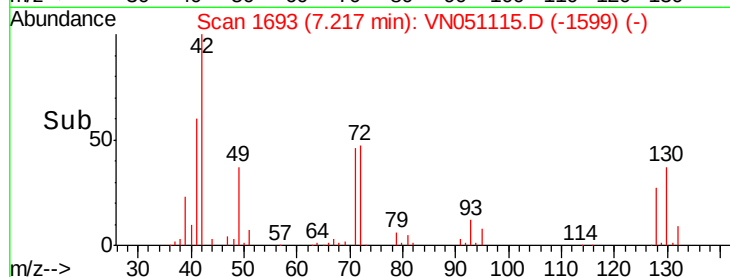
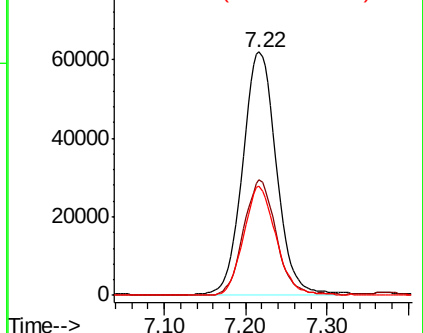
71 43.3 34.7 52.1



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.51 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051115.D

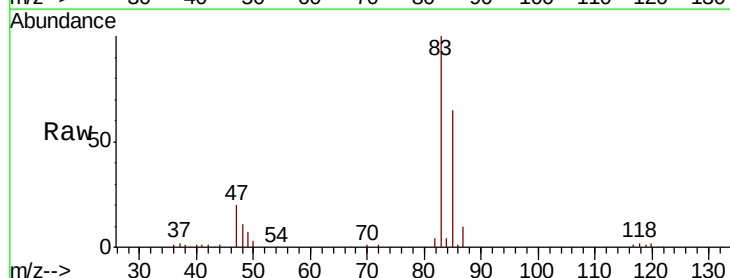
Acq: 11 Sep 2018 10:16

Tgt Ion: 83 Resp: 252210

Ion Ratio Lower Upper

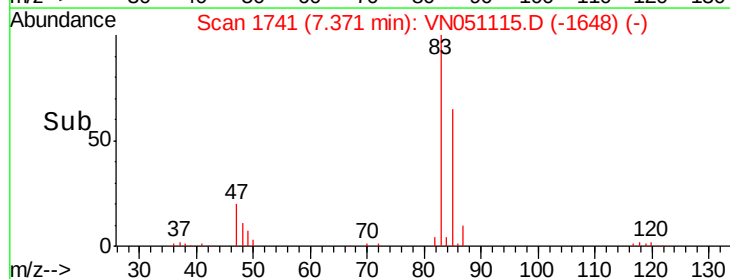
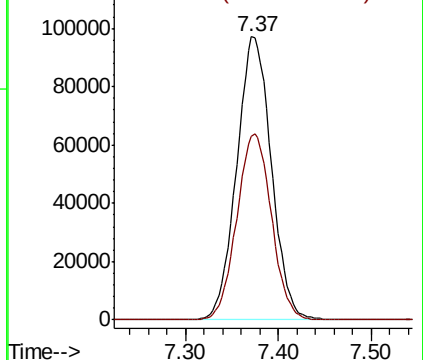
83 100

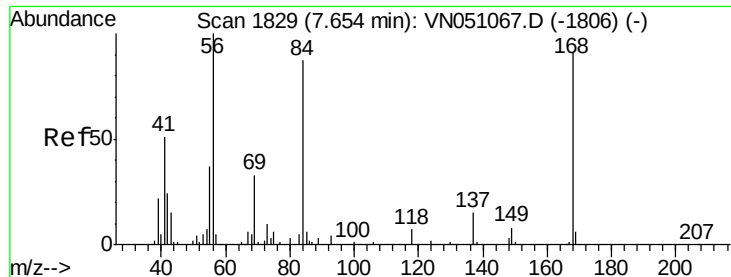
85 65.0 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.39 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0911WBSD01

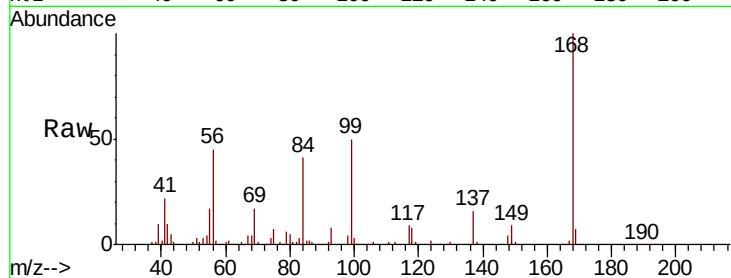
Tot Ion: 56 Resp: 226381

Ion Ratio Lower Upper

56 100

69 38.3 26.3 39.5

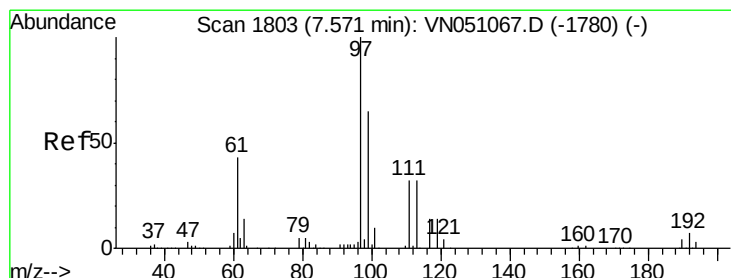
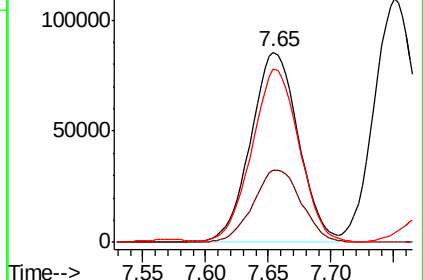
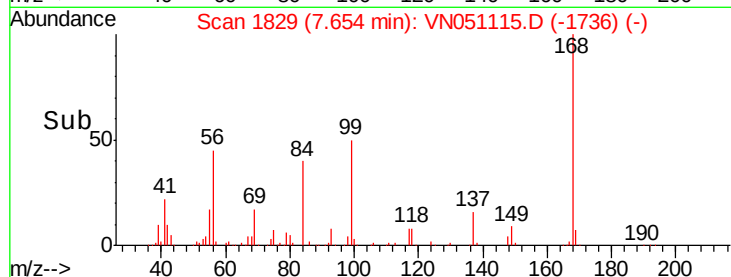
84 90.2 69.4 104.0



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: 19.60 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

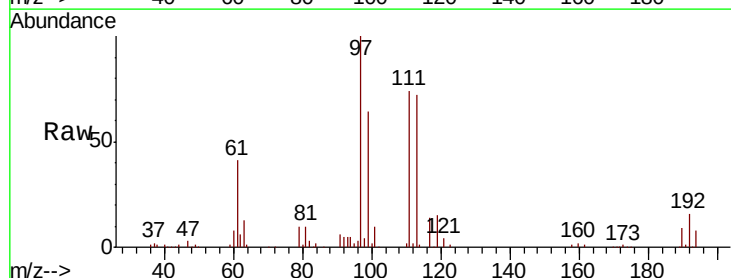
Tgt Ion: 97 Resp: 215984

Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

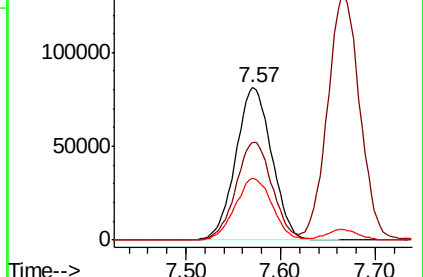
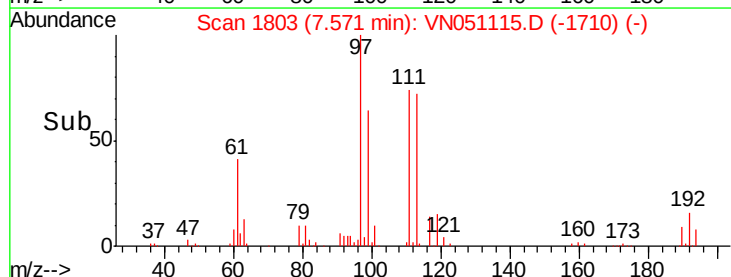
61 41.5 33.8 50.6

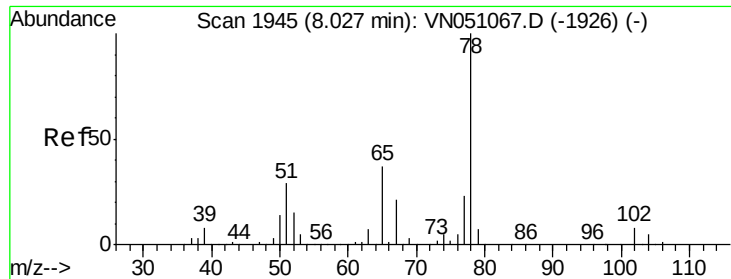


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

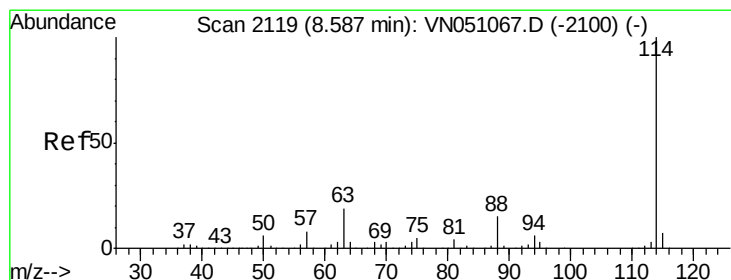
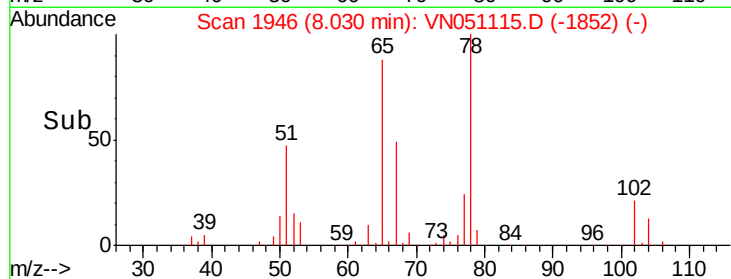
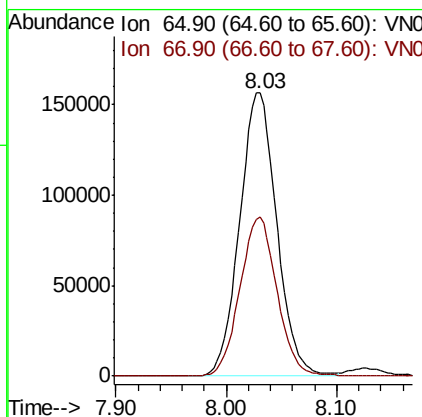
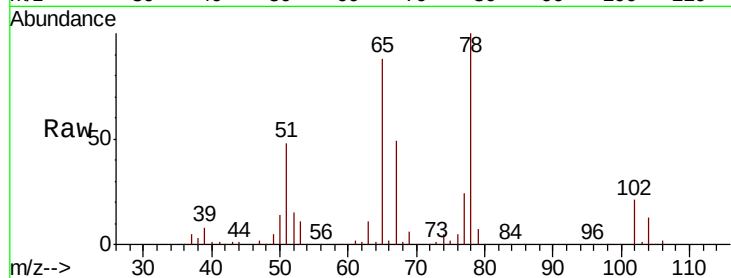




#33
 1,2-Dichloroethane-d4
 Concen: 51.71 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

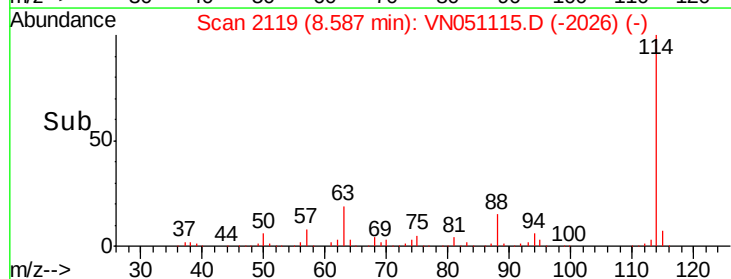
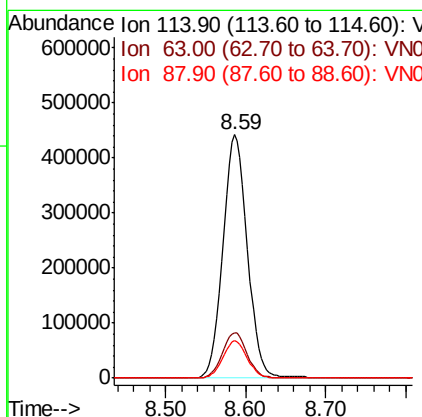
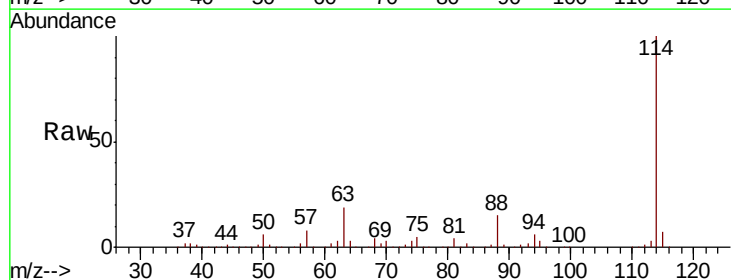
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

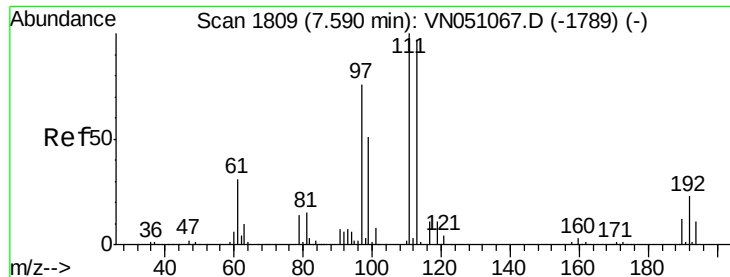
Tot Ion: 65 Resp: 365419
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion: 114 Resp: 925960
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.8
 88 15.3 0.0 30.8

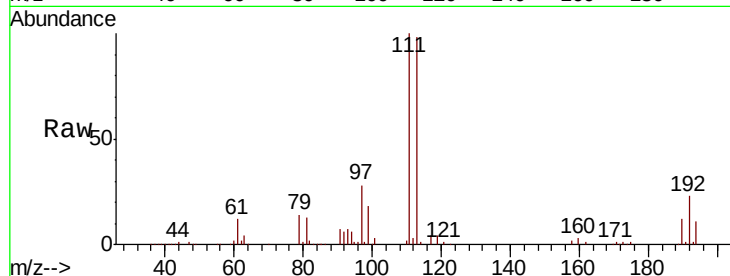




#35
 Dibromofluoromethane
 Concen: 50.85 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.0	124.6
192	23.2	18.7	28.1

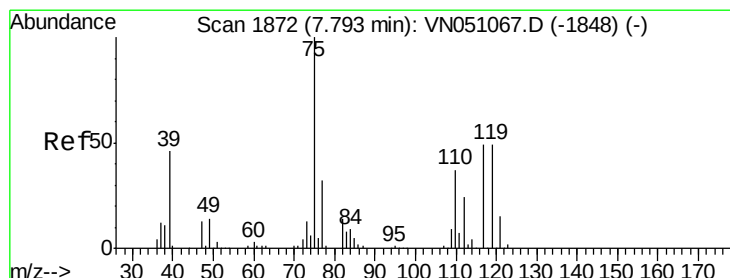
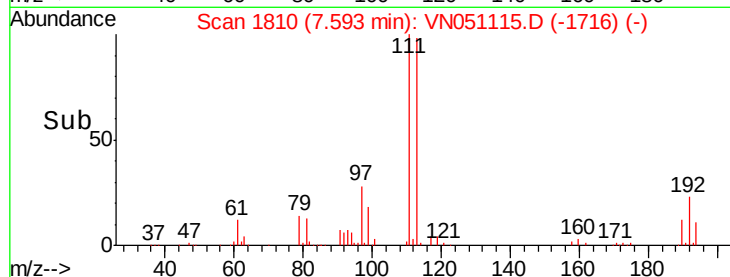
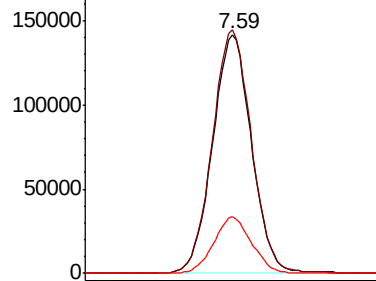


Abundance

Ion 112.80 (112.50 to 113.50): V

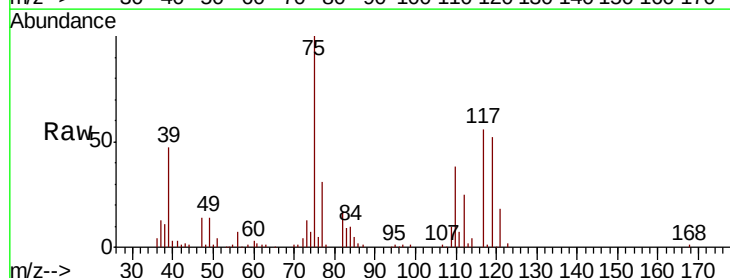
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.74 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.6	55.8
77	32.0	25.2	37.8

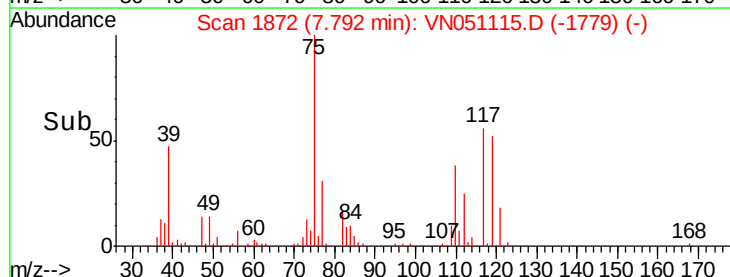
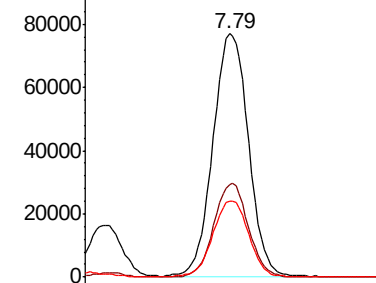


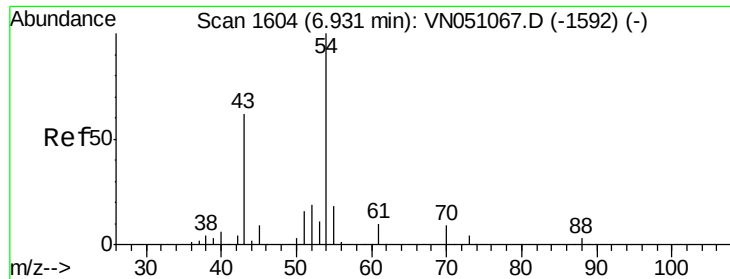
Abundance

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

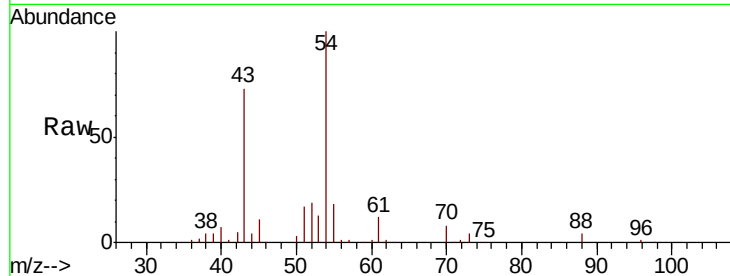




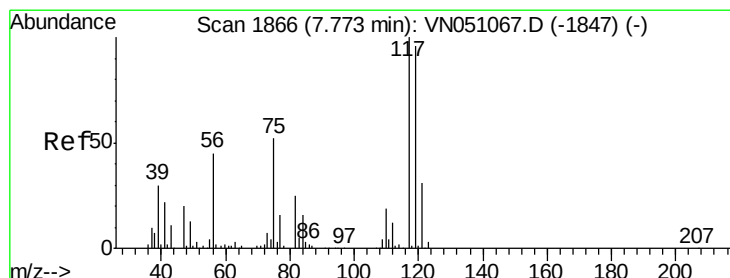
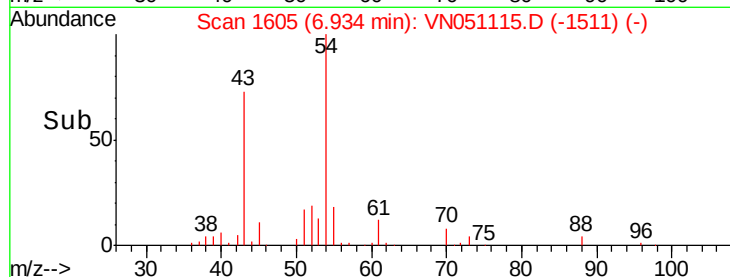
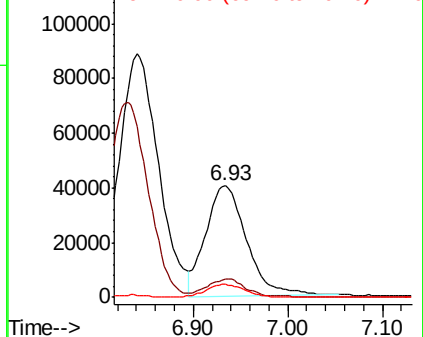
#37
Ethyl Acetate
Concen: 20.61 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion: 43 Resp: 121332
Ion Ratio Lower Upper
43 100
61 15.7 12.4 18.6
70 11.4 9.3 13.9

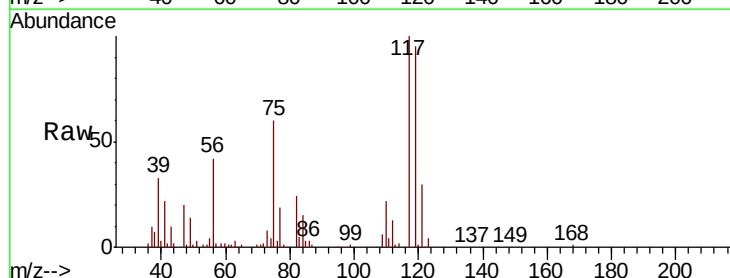


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

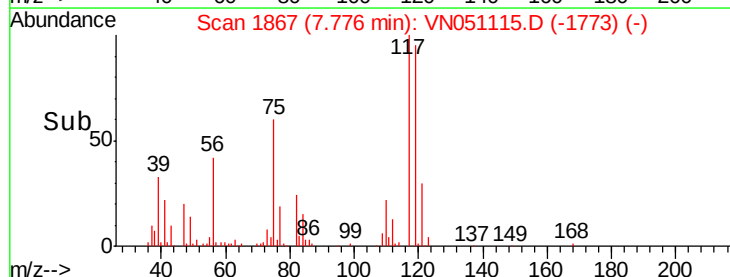
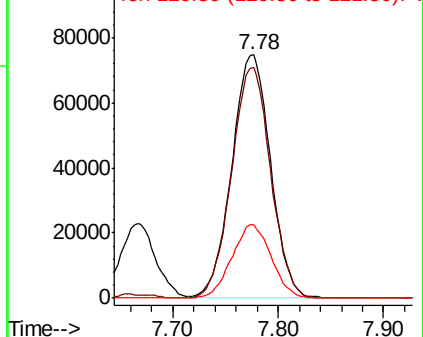


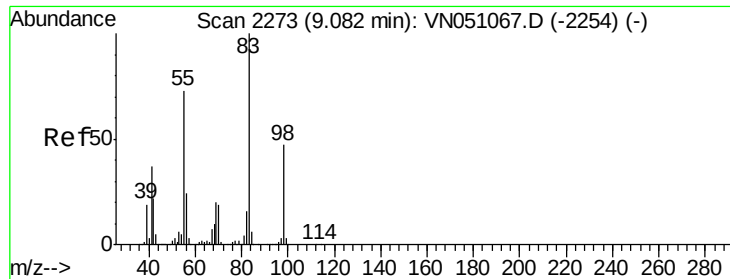
#38
Carbon Tetrachloride
Concen: 19.09 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion: 117 Resp: 191004
Ion Ratio Lower Upper
117 100
119 94.7 76.8 115.2
121 29.9 24.6 36.8



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

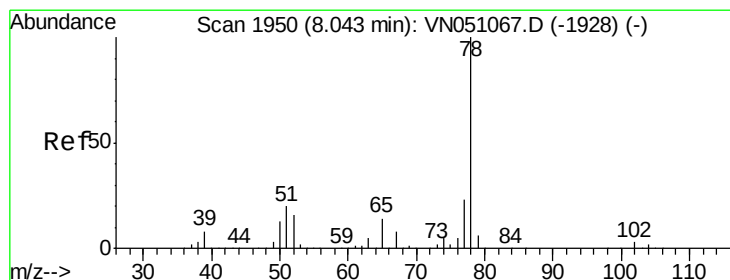
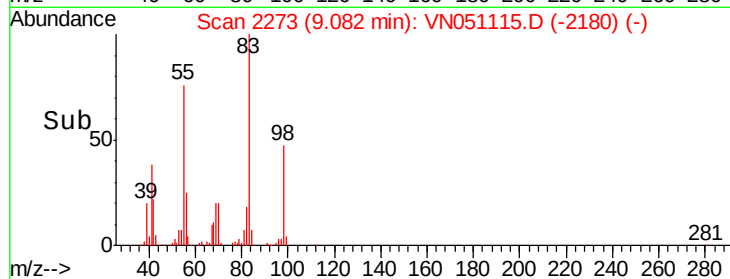
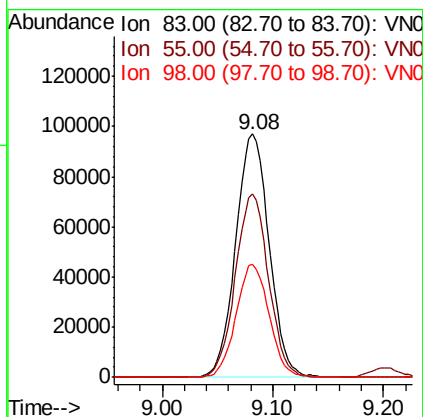
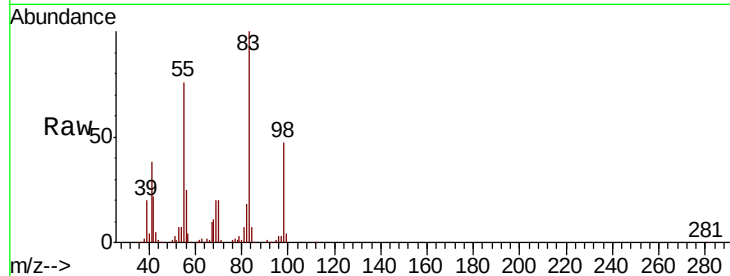




#39
Methylvlcyclohexane
Concen: 18.18 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

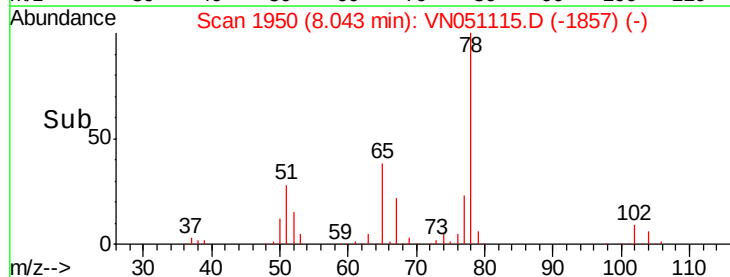
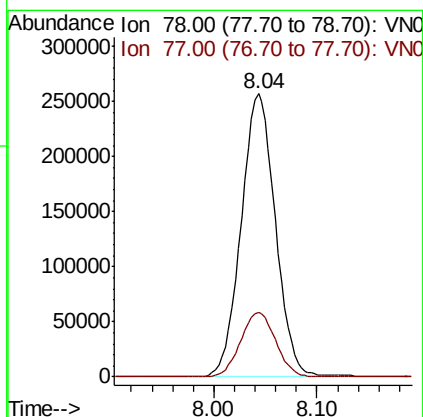
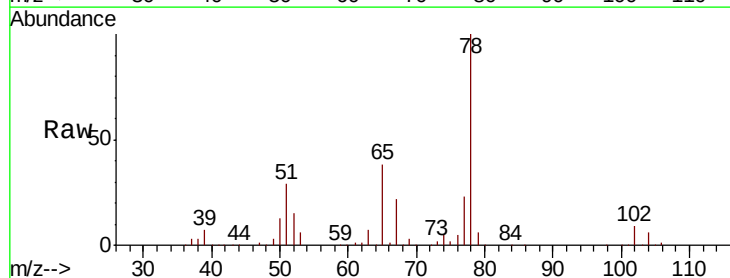
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

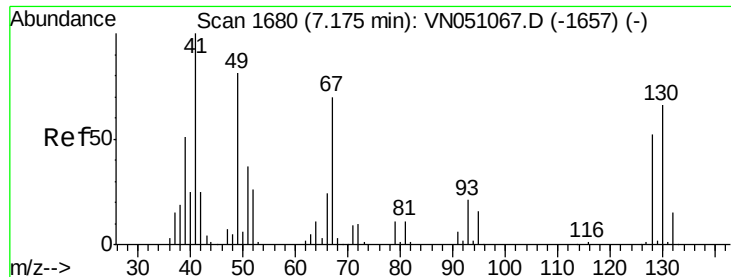
Tot Ion: 83 Resp: 203933
Ion Ratio Lower Upper
83 100
55 75.6 58.4 87.6
98 46.7 37.3 55.9



#40
Benzene
Concen: 19.33 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion: 78 Resp: 592087
Ion Ratio Lower Upper
78 100
77 22.8 18.6 27.8

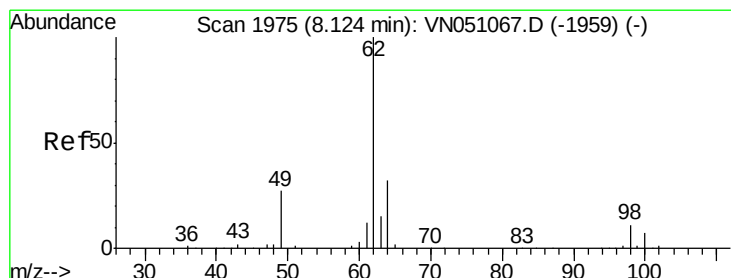
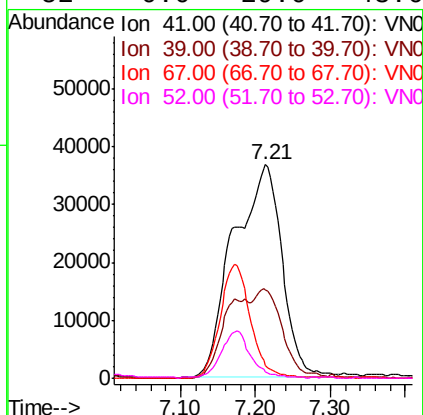
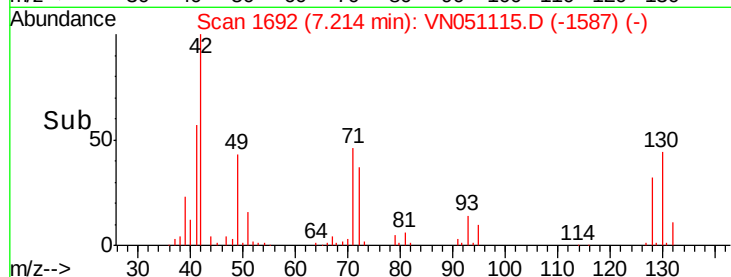
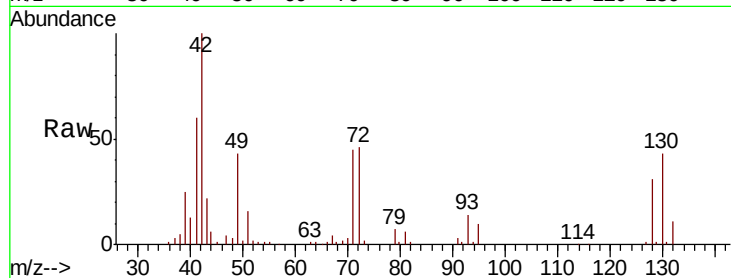




#41
Methacrylonitrile
Concen: 54.31 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

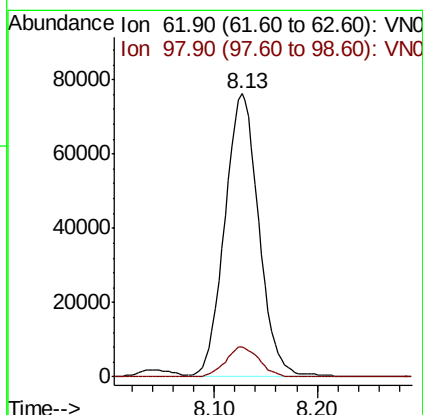
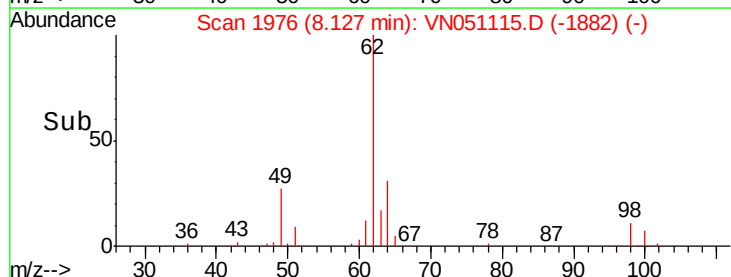
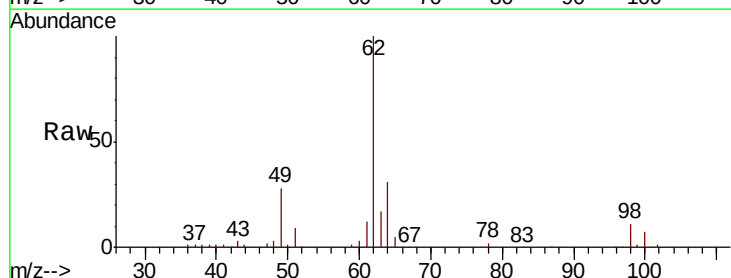
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

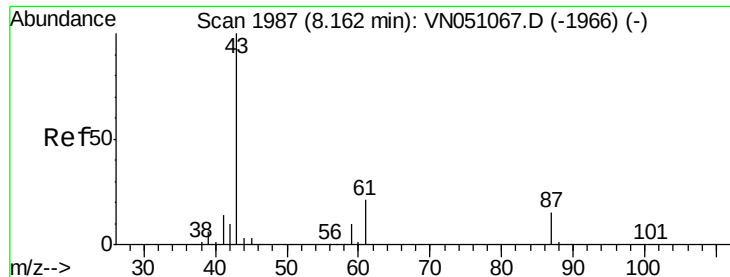
Tot Ion: 41 Resp: 164987
Ion Ratio Lower Upper
41 100
39 0.0 51.3 76.9#
67 0.0 78.5 117.7#
52 0.0 29.0 43.6#



#42
1,2-Dichloroethane
Concen: 19.55 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion: 62 Resp: 174574
Ion Ratio Lower Upper
62 100
98 10.5 0.0 21.0





#43

Isopropyl Acetate

Concen: 20.20 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

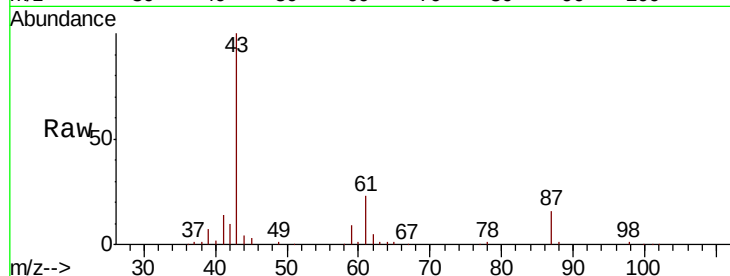
Tot Ion: 43 Resp: 209881

Ion Ratio Lower Upper

43 100

61 22.3 25.0 37.6#

87 14.8 11.8 17.8

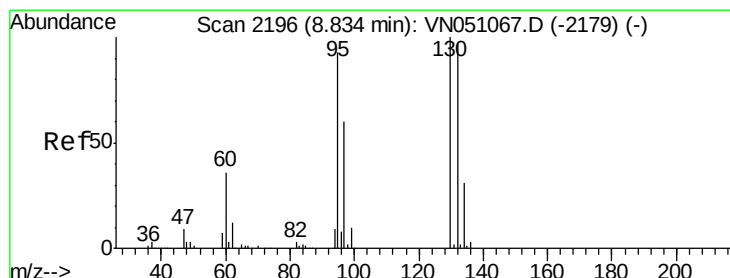
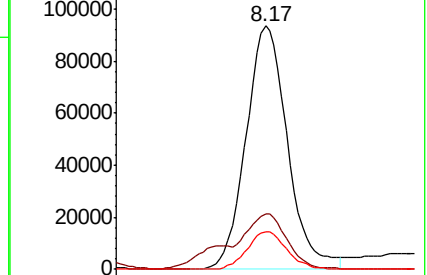
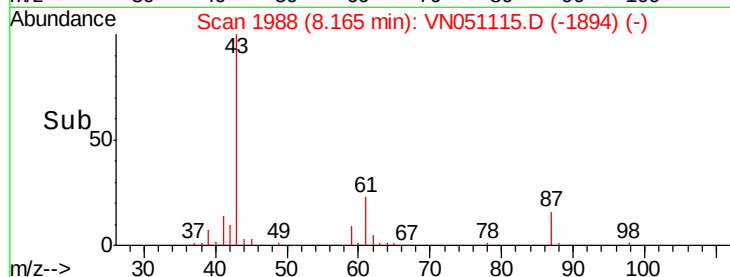


Abundance Ion 43.00 (42.70 to 43.70): VN051115.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN051115.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN051115.D (-1988) (-)

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 18.35 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051115.D

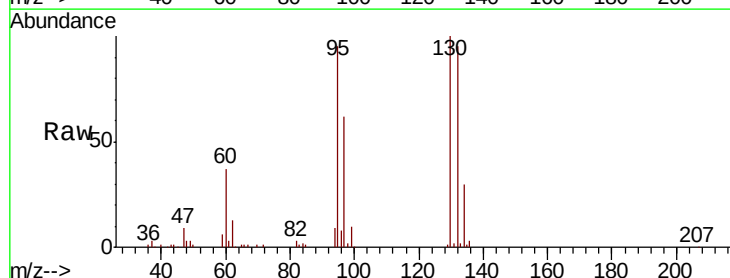
Acq: 11 Sep 2018 10:16

Tgt Ion: 130 Resp: 153751

Ion Ratio Lower Upper

130 100

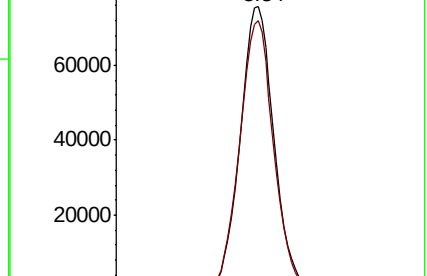
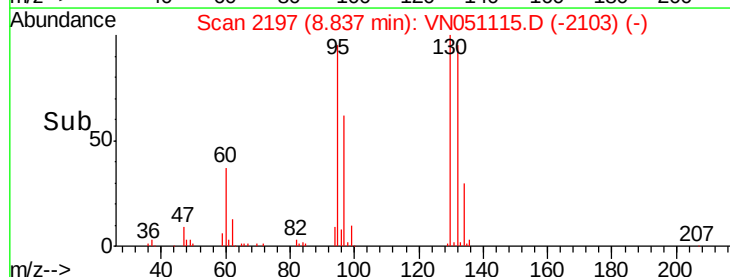
95 95.2 0.0 186.2

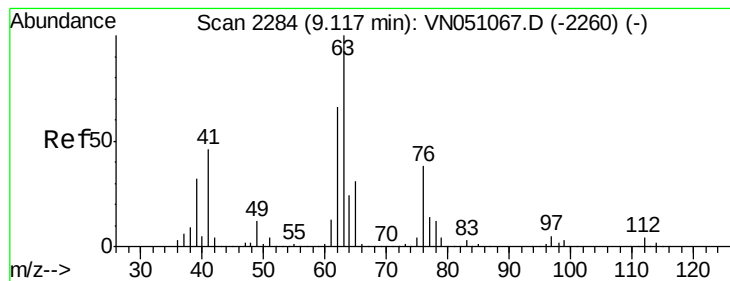


Abundance Ion 129.80 (129.50 to 130.50): VN051115.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN051115.D (-2197) (-)

Time--> 8.75 8.80 8.85 8.90 8.95





#45

1,2-Dichloropropane

Concen: 19.45 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

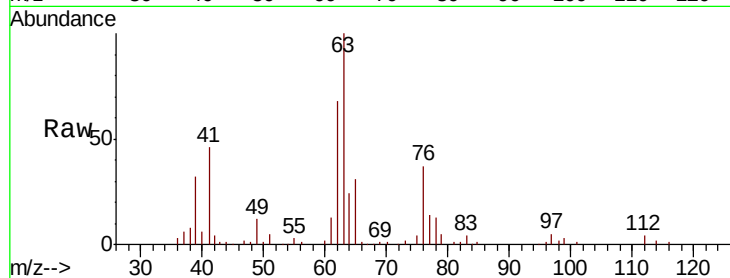
VN0911WBSD01

Tot Ion: 63 Resp: 153995

Ion Ratio Lower Upper

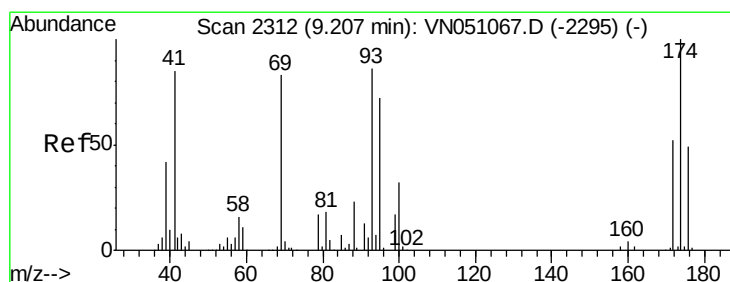
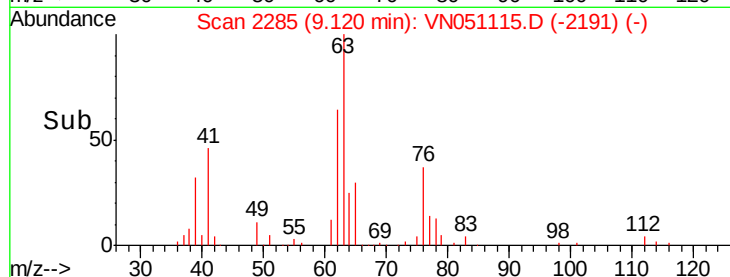
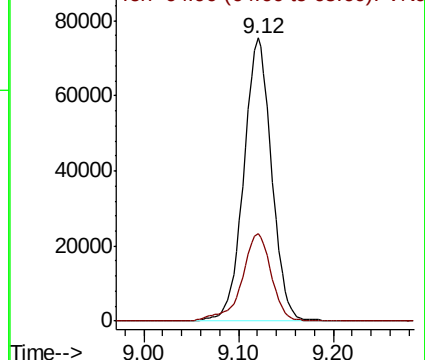
63 100

65 30.8 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: 18.66 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

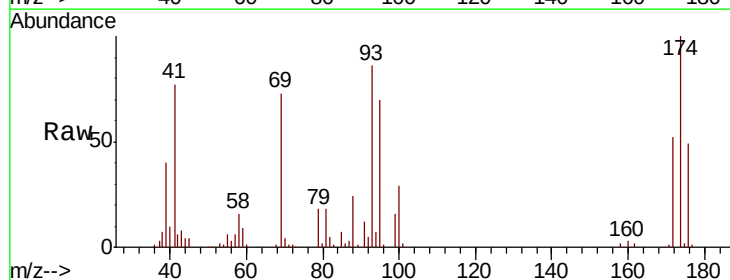
Tgt Ion: 93 Resp: 90110

Ion Ratio Lower Upper

93 100

95 83.5 66.8 100.2

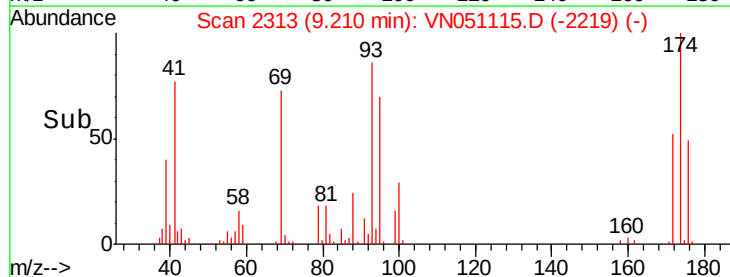
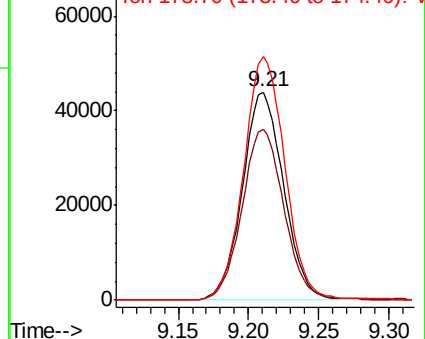
174 117.3 93.3 139.9

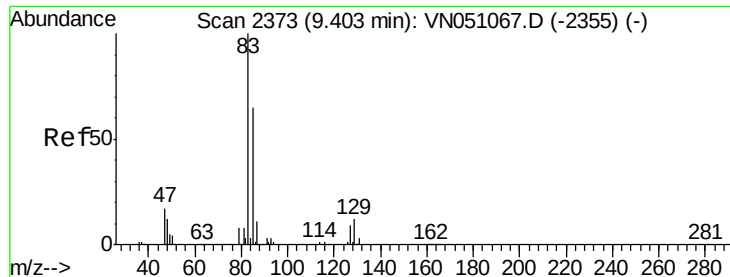


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.12 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

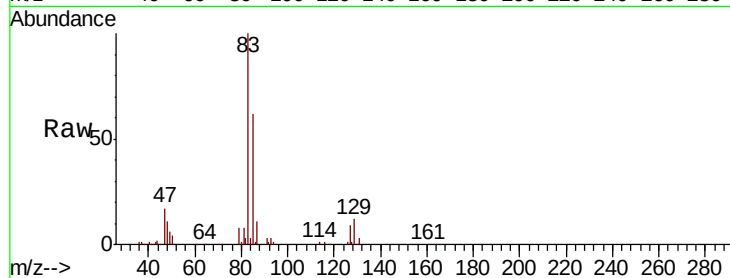
Tot Ion: 83 Resp: 187779

Ion Ratio Lower Upper

83 100

85 62.3 52.3 78.5

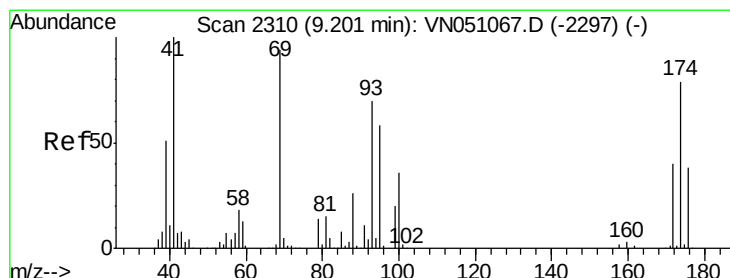
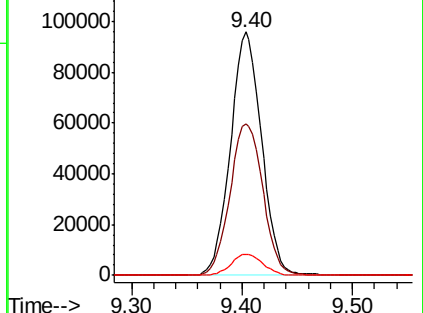
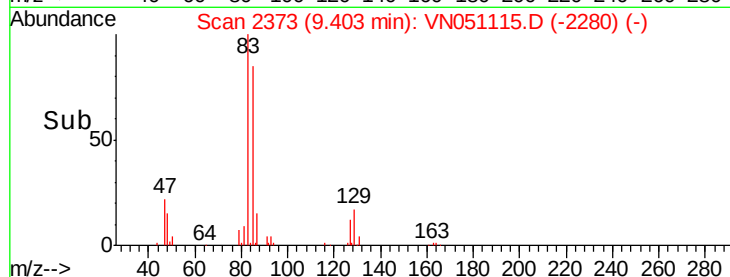
127 8.8 7.5 11.3



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): VN0



#48

Methyl methacrylate

Concen: 19.65 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

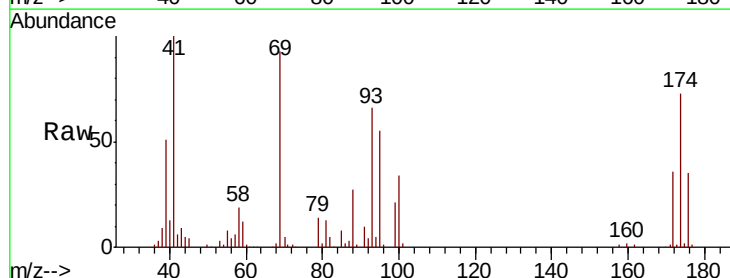
Tgt Ion: 41 Resp: 99505

Ion Ratio Lower Upper

41 100

69 95.5 77.7 116.5

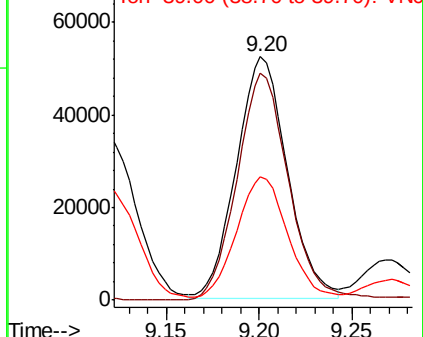
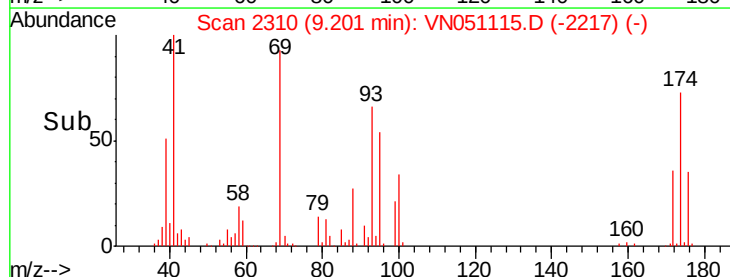
39 50.9 41.6 62.4

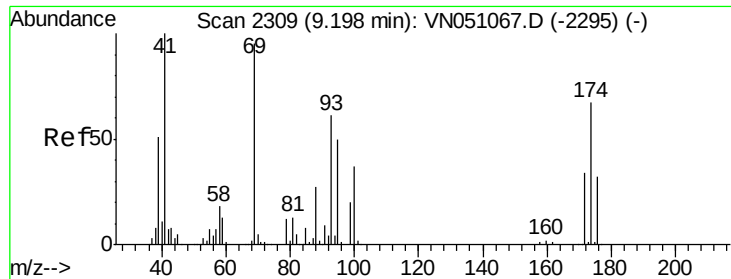


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

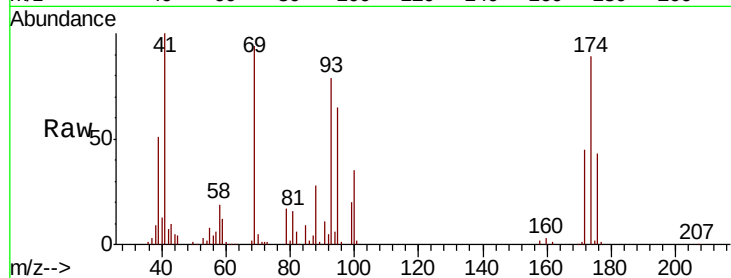




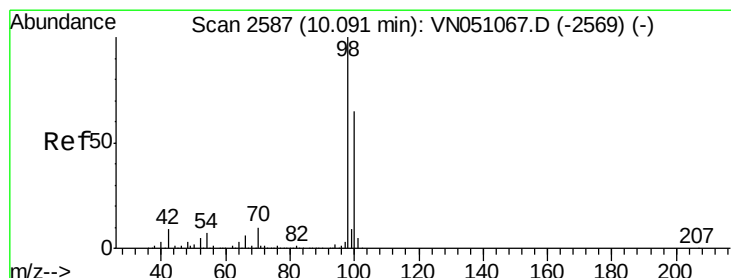
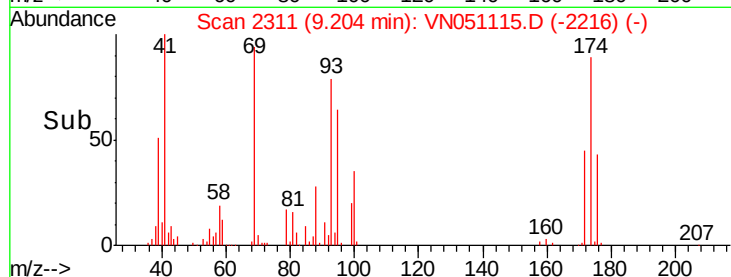
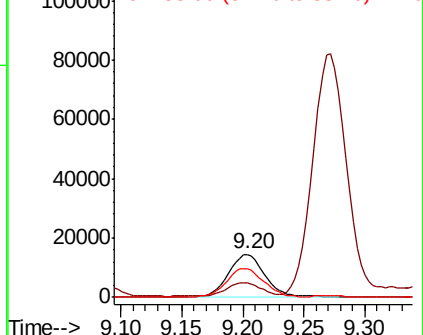
#49
1,4-Dioxane
Concen: 383.51 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion: 88 Resp: 30447
Ion Ratio Lower Upper
88 100
43 28.7 23.7 35.5
58 68.6 54.6 82.0

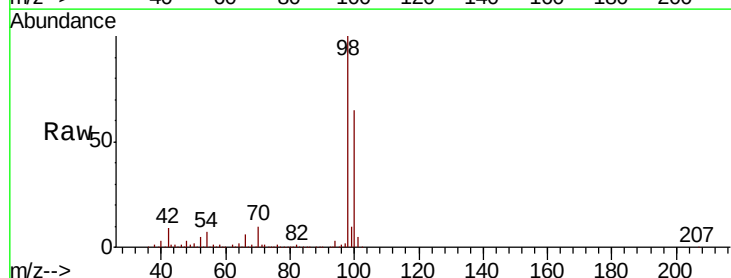


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

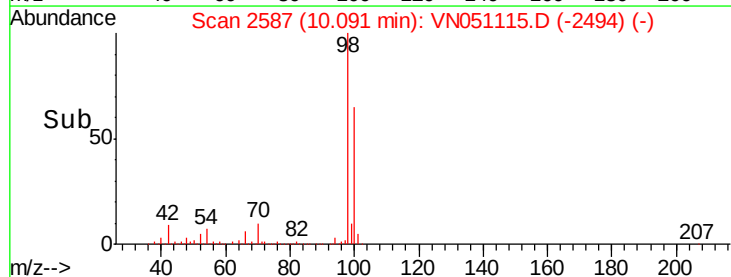
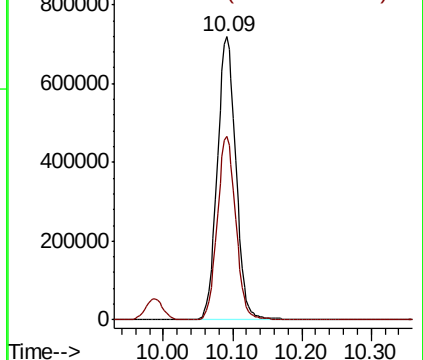


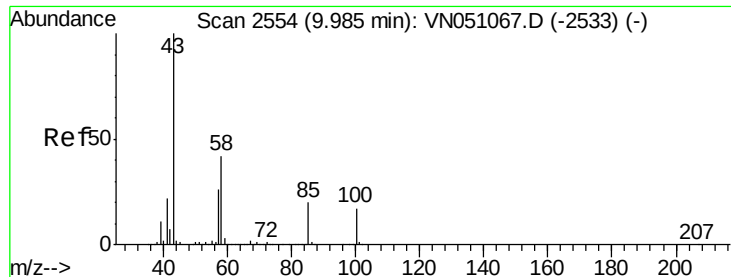
#50
Toluene-d8
Concen: 50.71 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion: 98 Resp: 1338767
Ion Ratio Lower Upper
98 100
100 64.0 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: 100.96 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

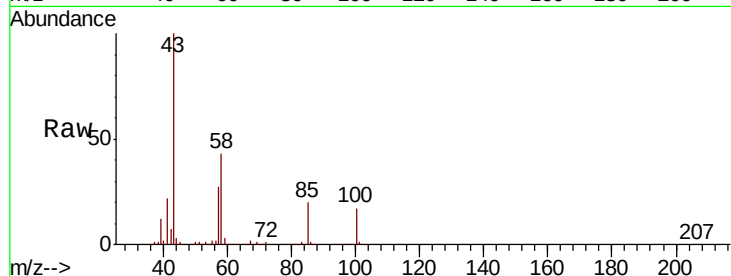
VN0911WBSD01

Tot Ion: 43 Resp: 580033

Ion Ratio Lower Upper

43 100

58 42.3 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

300000

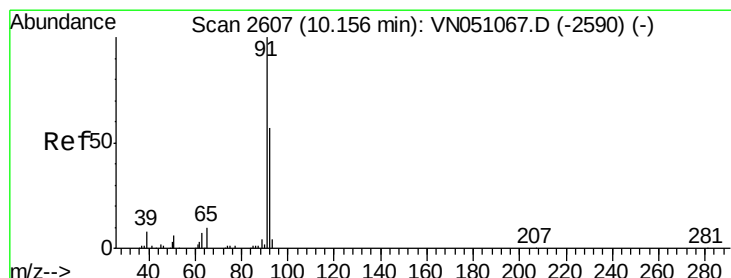
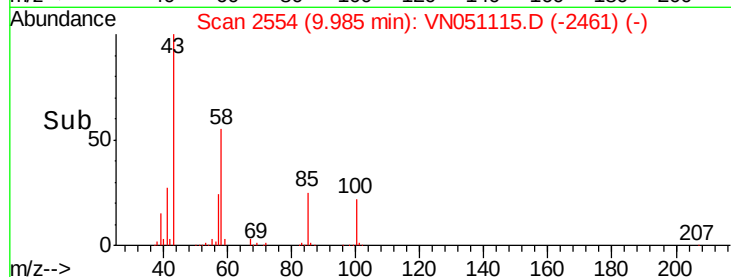
200000

100000

0

Time-->

9.90 10.00 10.10



#52

Toluene

Concen: 19.46 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051115.D

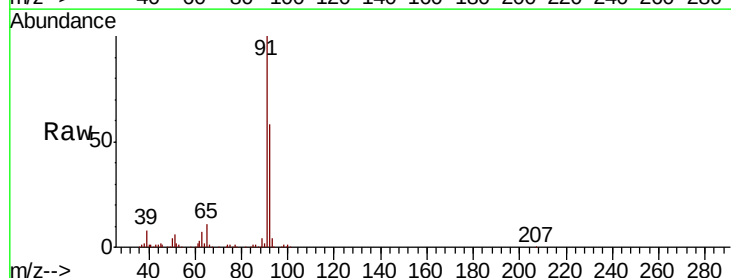
Acq: 11 Sep 2018 10:16

Tgt Ion: 92 Resp: 363573

Ion Ratio Lower Upper

92 100

91 174.8 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

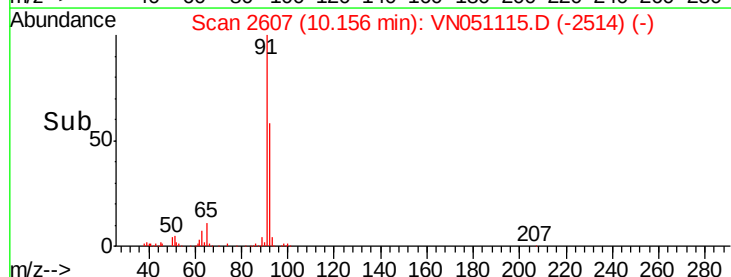
200000

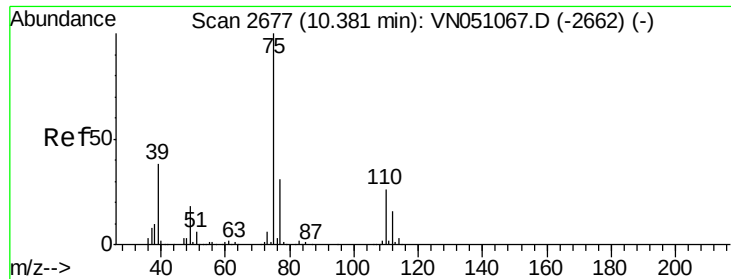
100000

0

Time-->

10.10 10.20 10.30

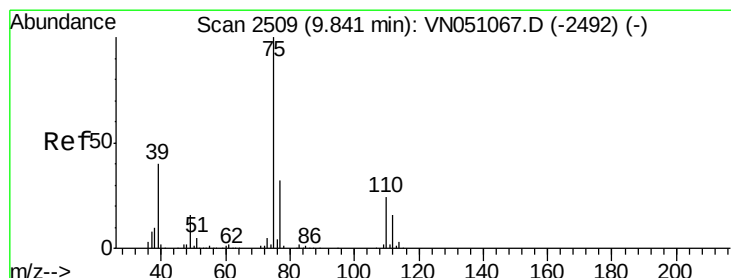
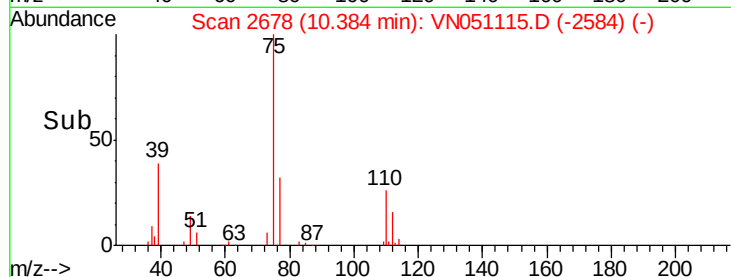
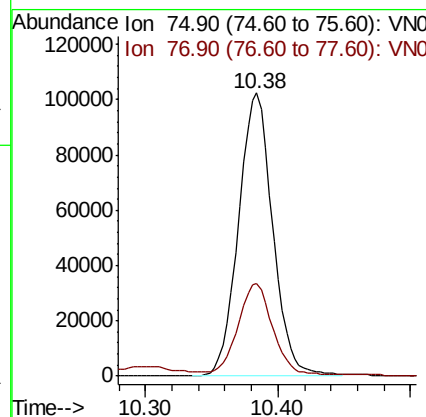
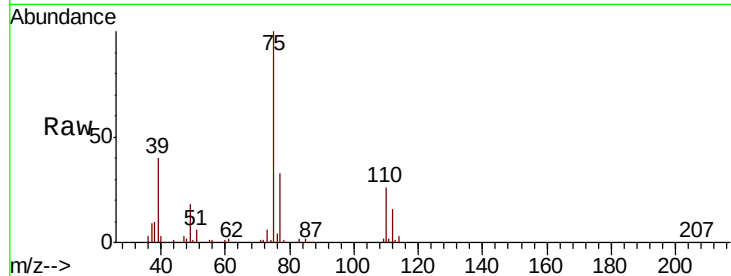




#53
t-1,3-Dichloropropene
Concen: 18.67 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

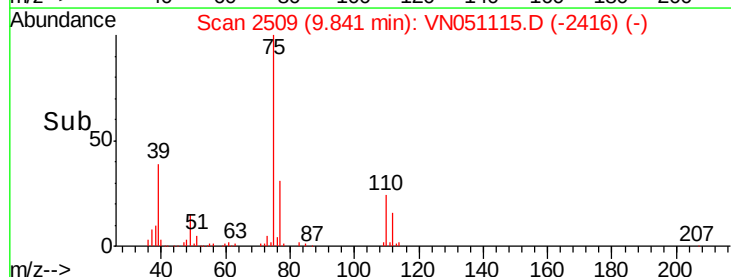
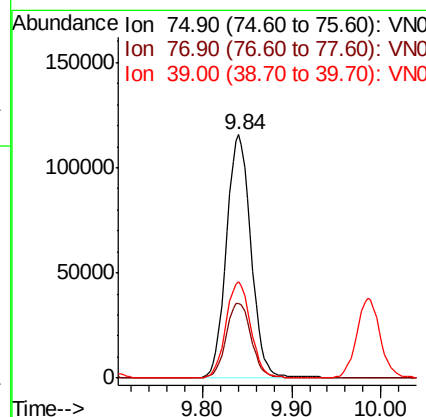
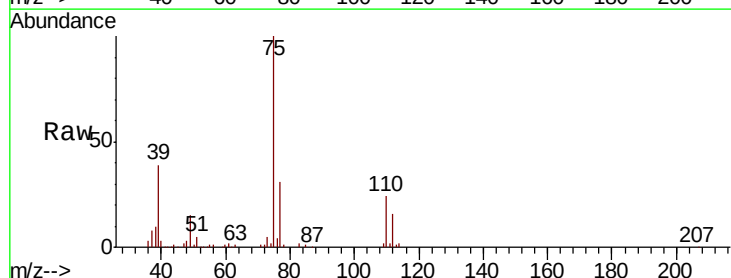
Instrument :
MSVOA_N
ClientSampled :
VN0911WBSD01

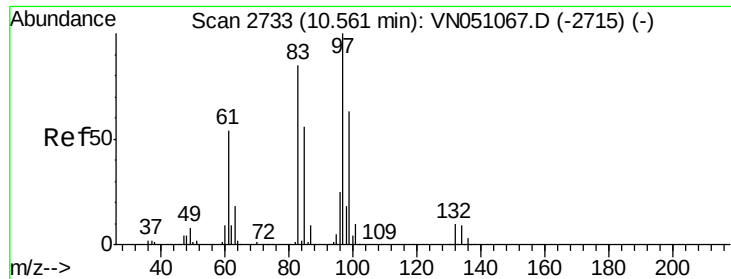
Tot Ion: 75 Resp: 183466
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 19.21 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion: 75 Resp: 221402
Ion Ratio Lower Upper
75 100
77 30.8 25.7 38.5
39 39.4 31.9 47.9





#55

1,1,2-Trichloroethane

Concen: 19.41 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

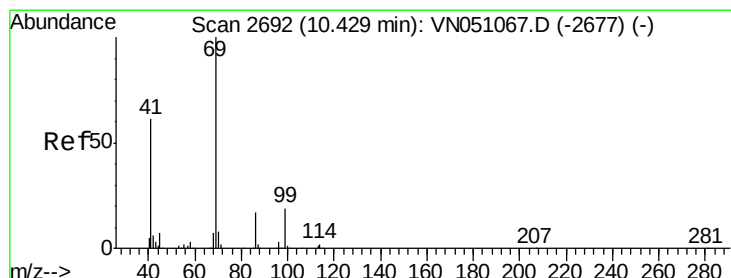
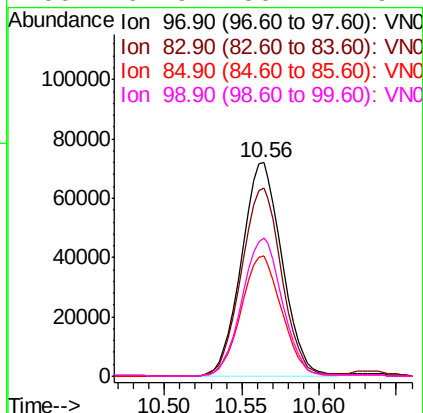
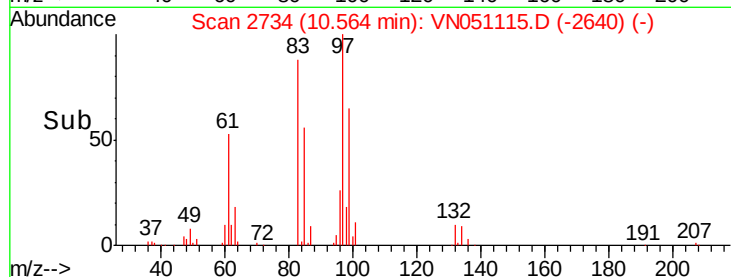
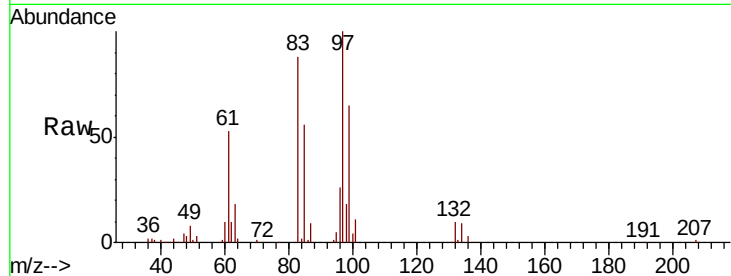
MSVOA_N

ClientSampled :

VN0911WBSD01

Tot Ion: 97 Resp: 131728

Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.2	102.2
85	56.1	44.8	67.2
99	64.9	50.2	75.4



#56

Ethyl methacrylate

Concen: 19.35 ug/l

RT: 10.43 min Scan# 2692

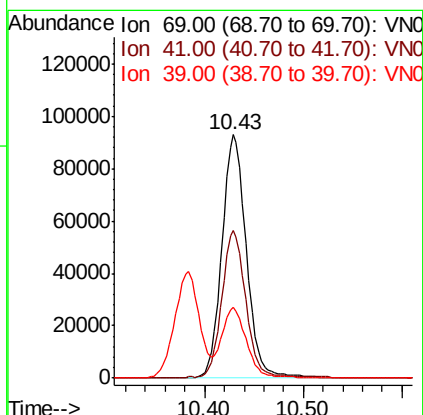
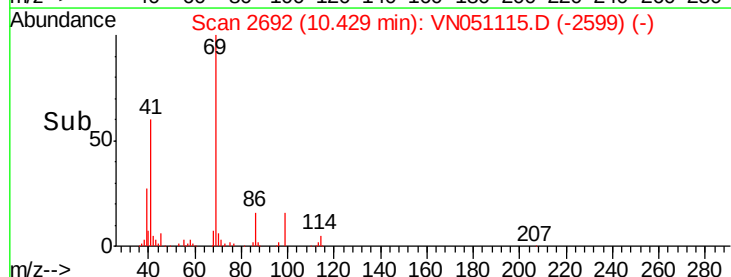
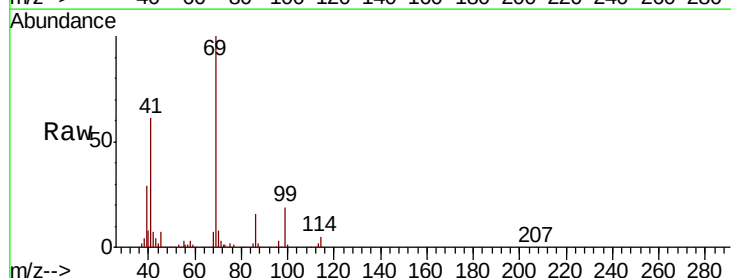
Delta R.T. -0.00 min

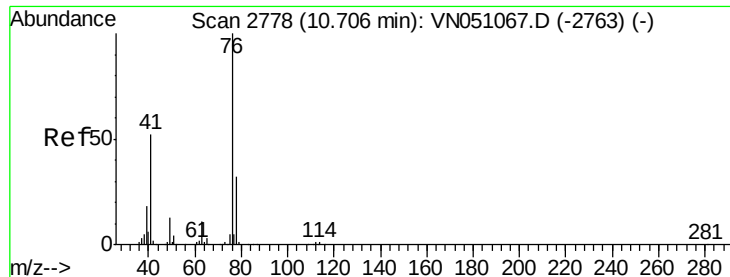
Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Tgt Ion: 69 Resp: 161764

Ion	Ratio	Lower	Upper
69	100		
41	58.3	47.8	71.8
39	29.6	23.0	34.4





#57

1,3-Dichloropropane

Concen: 19.58 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

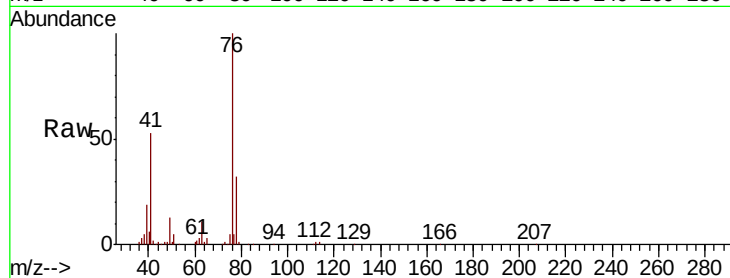
VN0911WBSD01

Tot Ion: 76 Resp: 220256

Ion Ratio Lower Upper

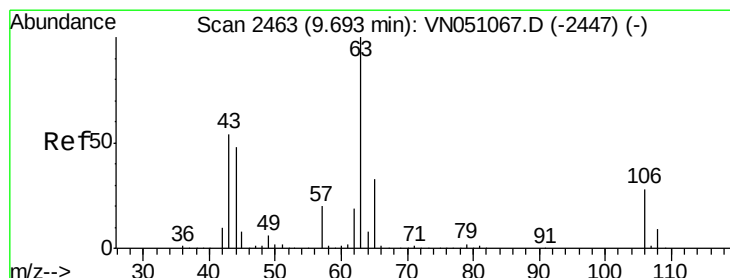
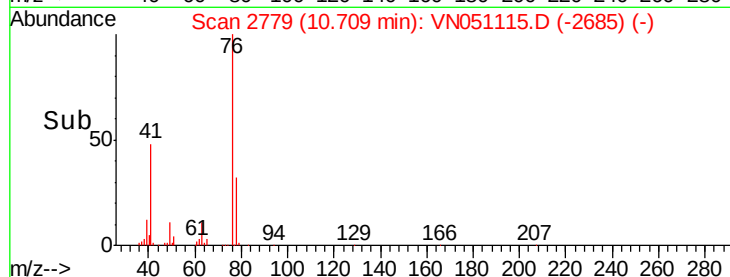
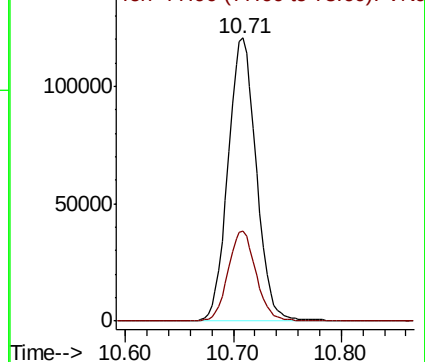
76 100

78 31.7 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 94.48 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051115.D

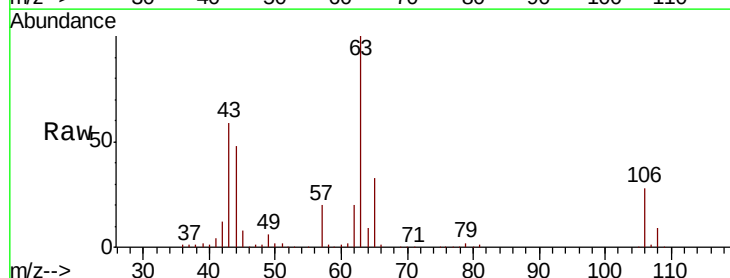
Acq: 11 Sep 2018 10:16

Tgt Ion: 63 Resp: 323045

Ion Ratio Lower Upper

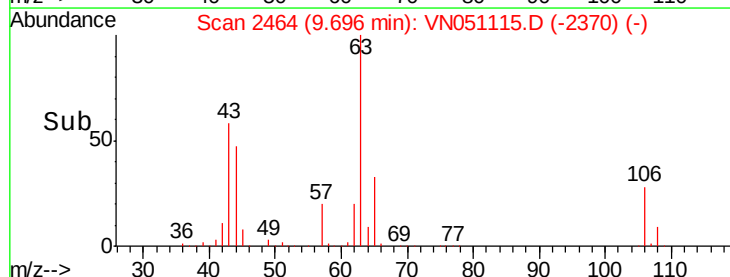
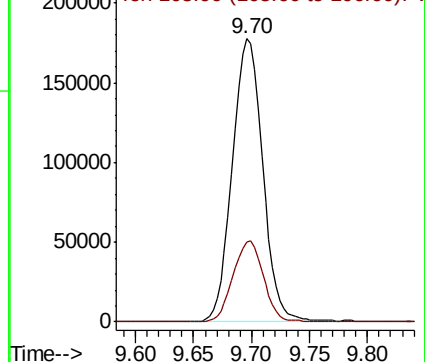
63 100

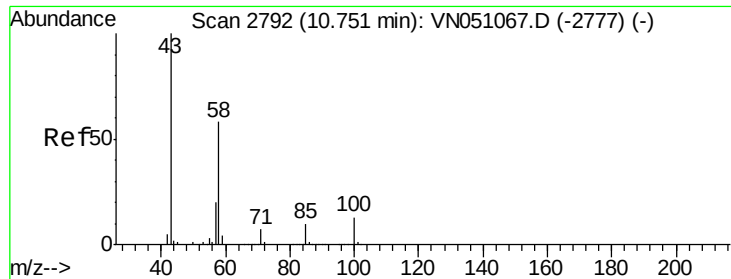
106 28.7 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

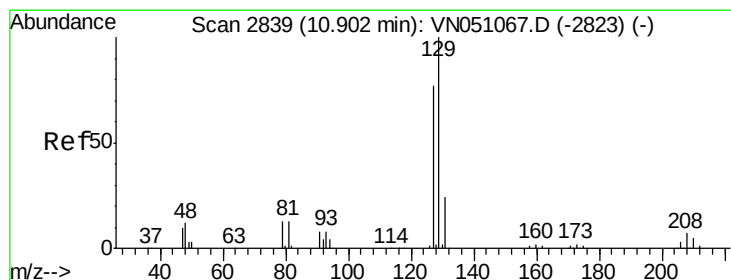
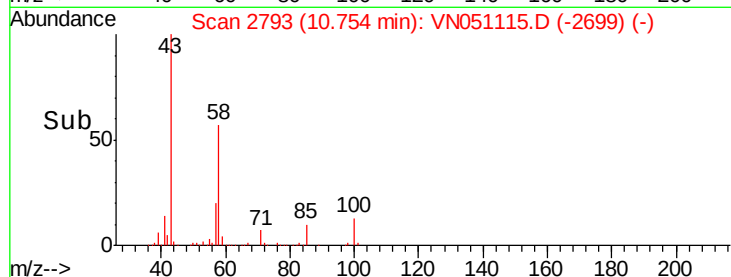
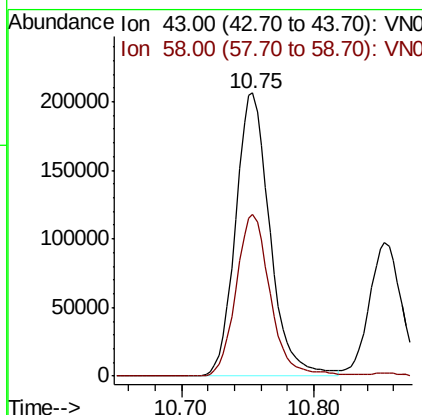
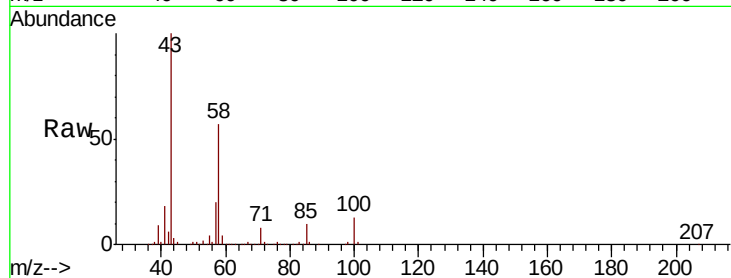




#59
2-Hexanone
Concen: 94.86 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

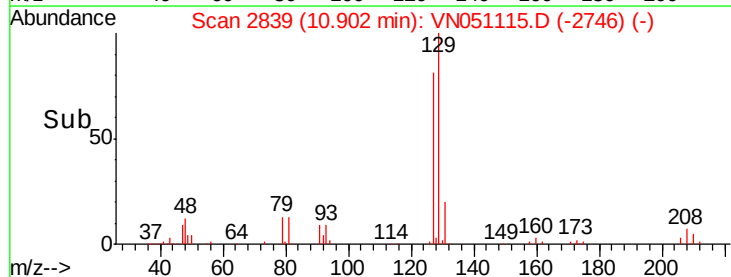
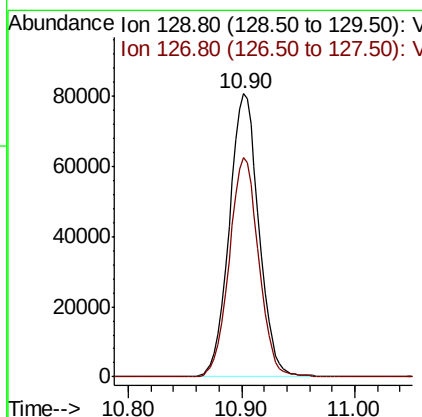
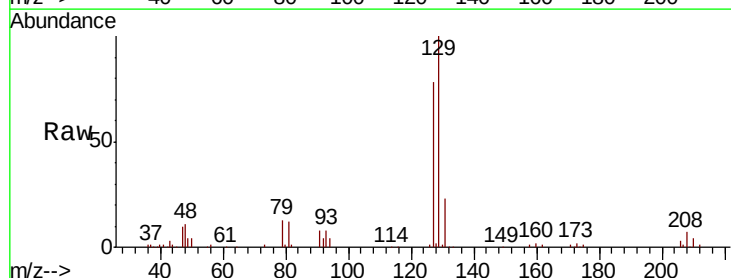
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

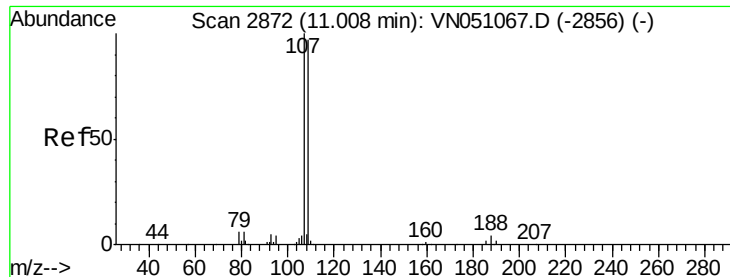
Tot Ion: 43 Resp: 369584
Ion Ratio Lower Upper
43 100
58 57.3 29.3 88.0



#60
Dibromochloromethane
Concen: 19.20 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion: 129 Resp: 146830
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5

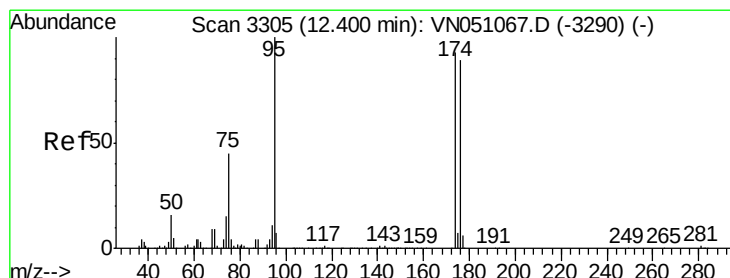
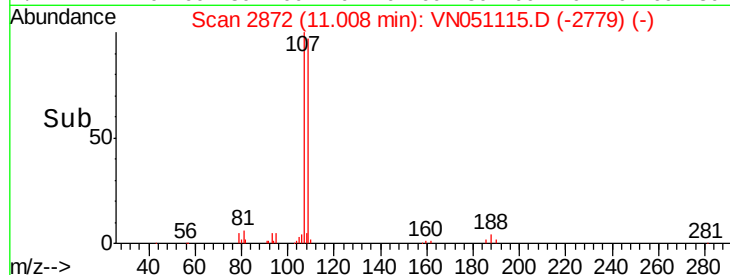
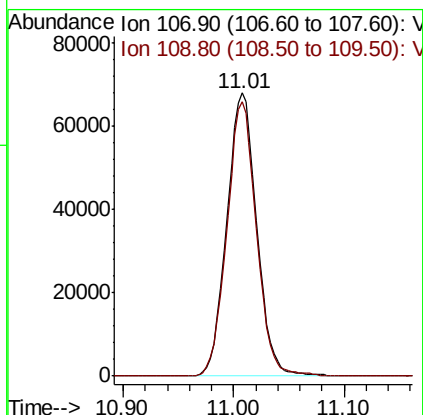
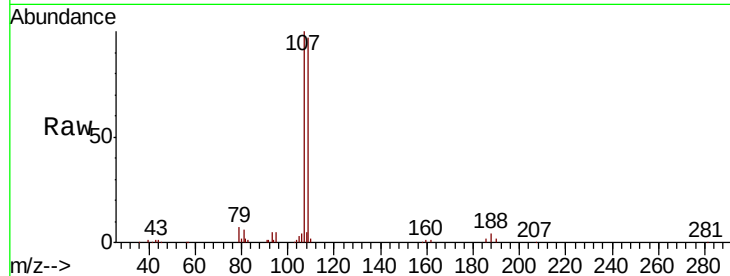




#61
 1,2-Dibromoethane
 Concen: 19.28 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

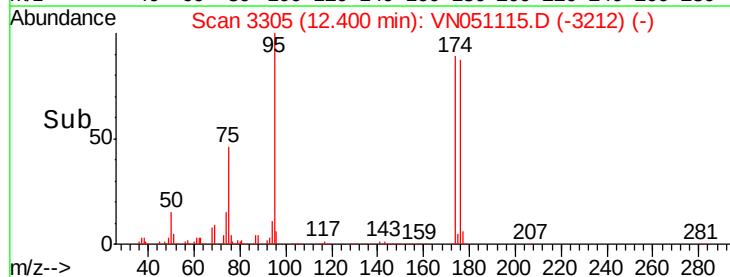
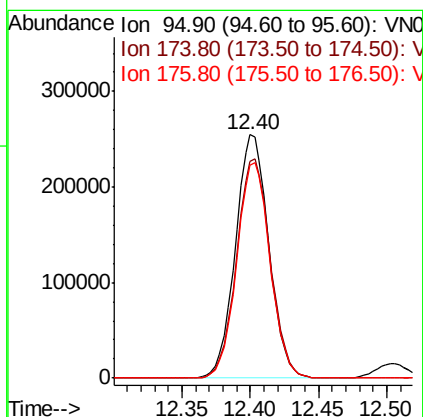
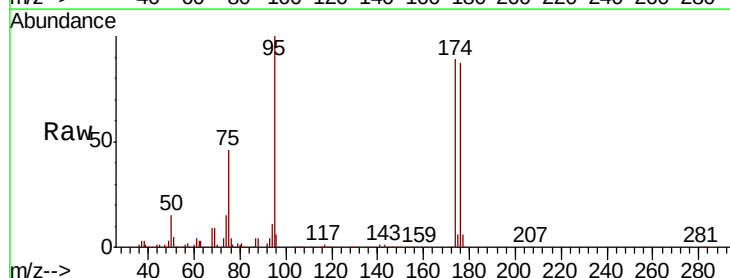
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

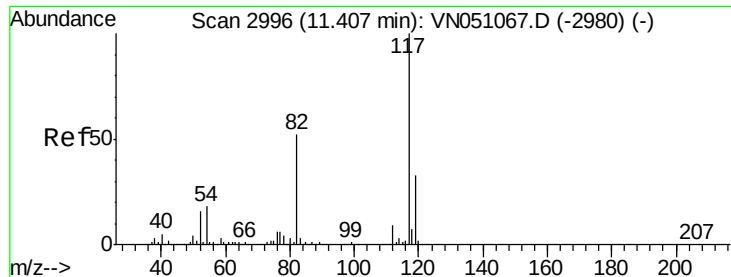
Tot Ion:107 Resp: 127894
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 49.39 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion: 95 Resp: 431391
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 184.8
 176 88.5 0.0 178.6

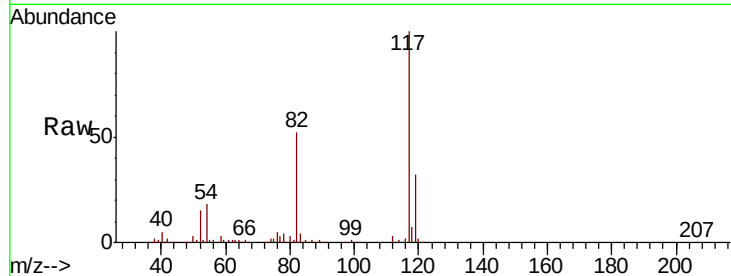




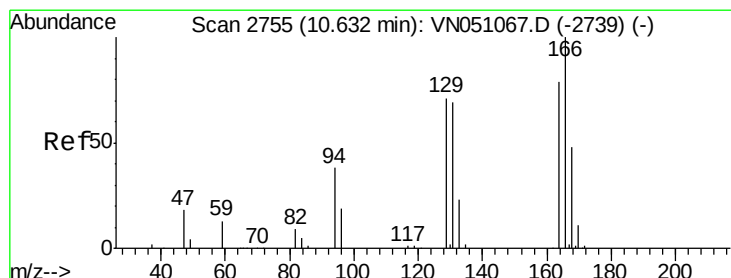
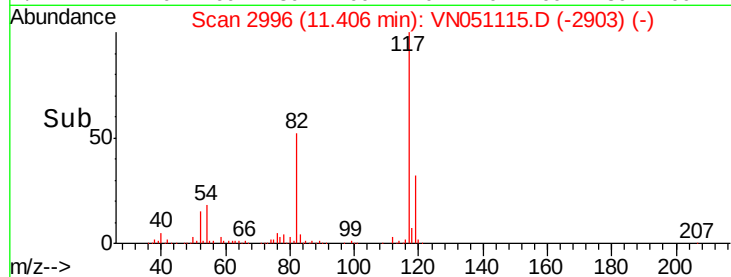
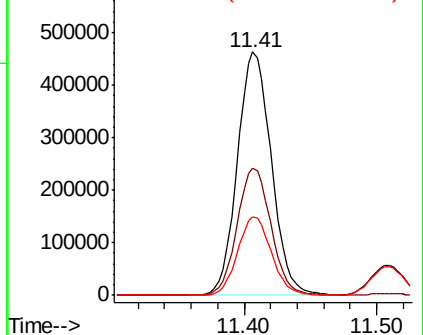
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion:117 Resp: 824803
Ion Ratio Lower Upper
117 100
82 52.3 41.8 62.6
119 32.3 26.2 39.2

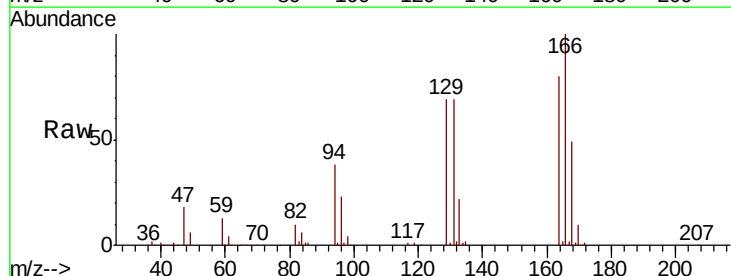


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

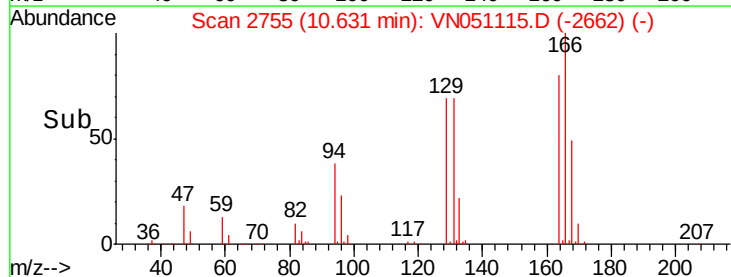
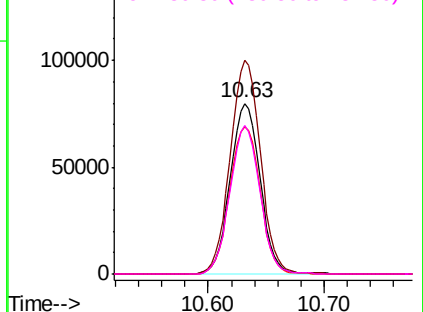


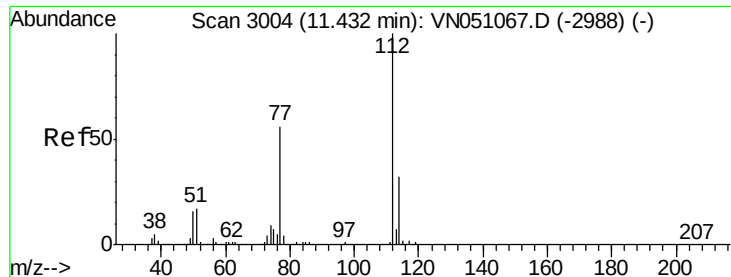
#64
Tetrachloroethene
Concen: 19.00 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion:164 Resp: 142990
Ion Ratio Lower Upper
164 100
166 125.3 101.3 151.9
129 86.1 72.2 108.2
131 86.8 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: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

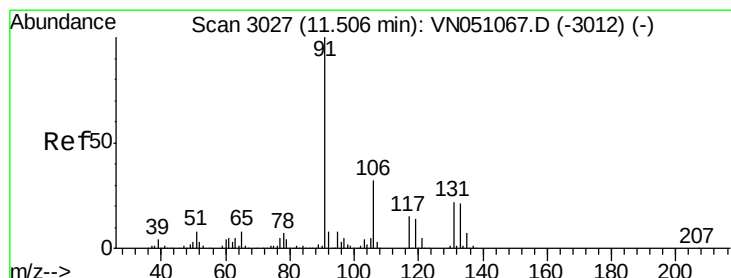
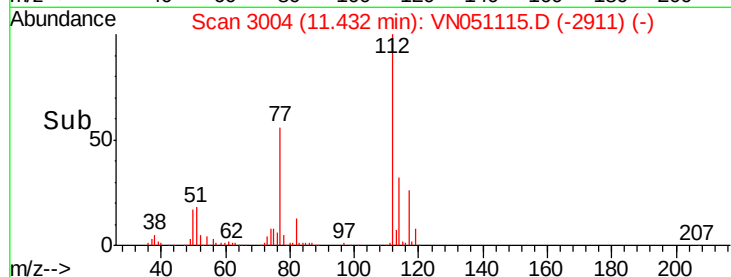
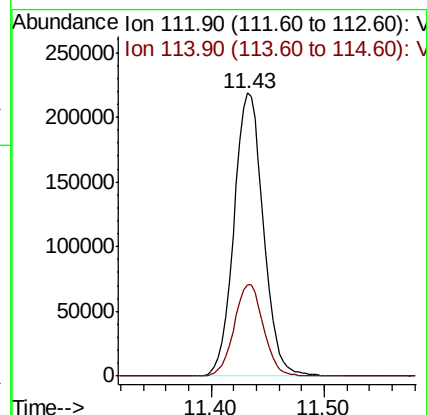
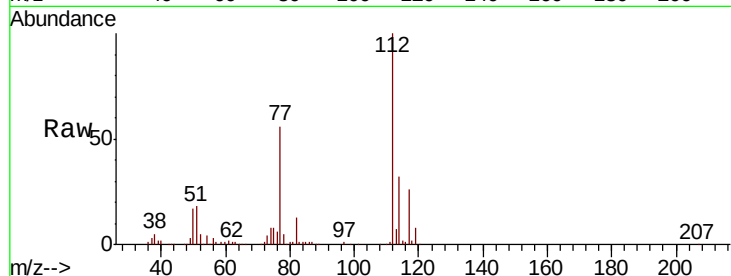
VN0911WBSD01

Tot Ion:112 Resp: 395640

Ion Ratio Lower Upper

112 100

114 32.4 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 19.52 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

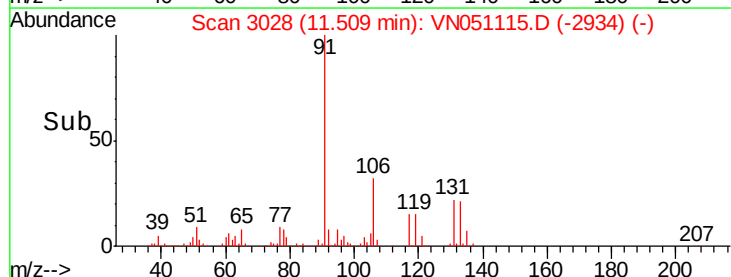
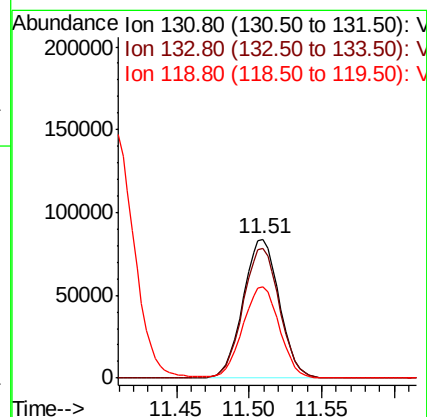
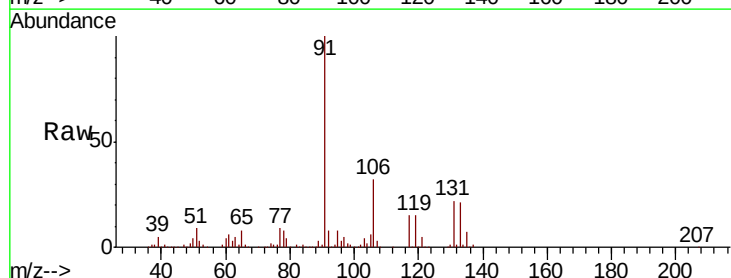
Tgt Ion:131 Resp: 146131

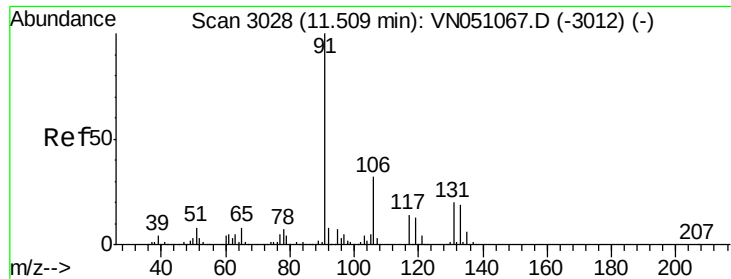
Ion Ratio Lower Upper

131 100

133 94.3 47.5 142.6

119 66.1 33.2 99.6

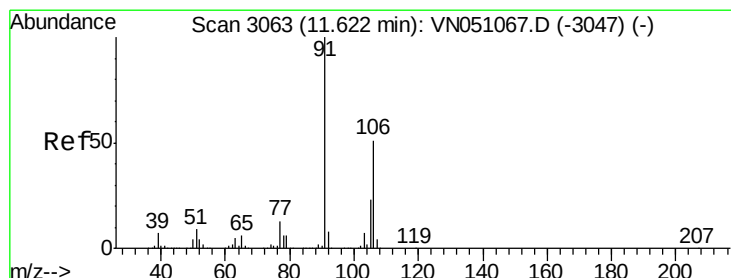
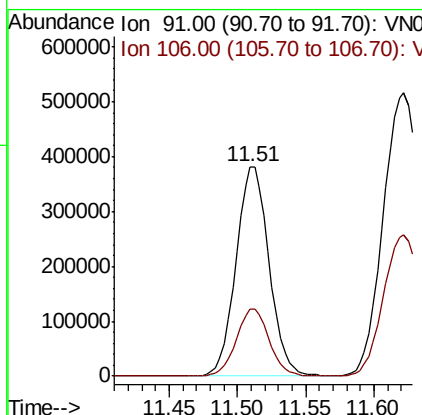
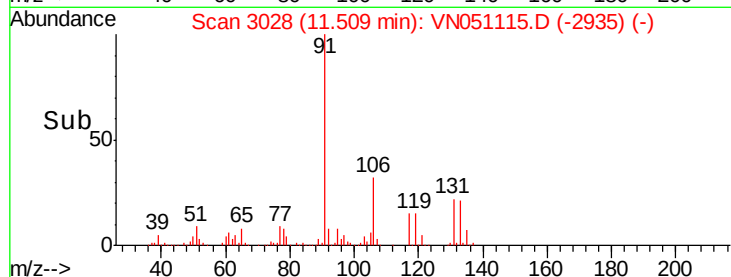
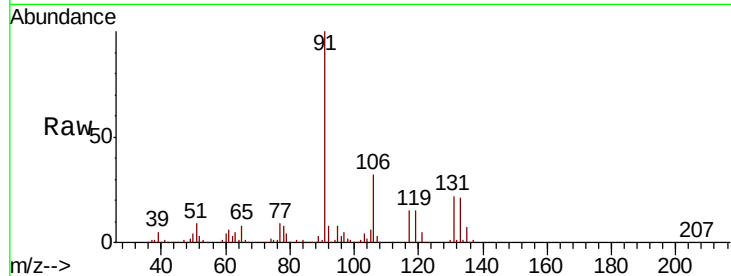




#67
Ethyl Benzene
Concen: 19.09 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

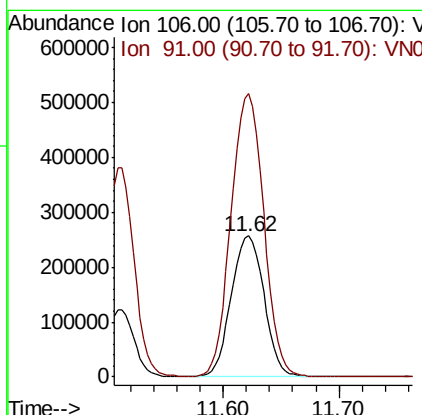
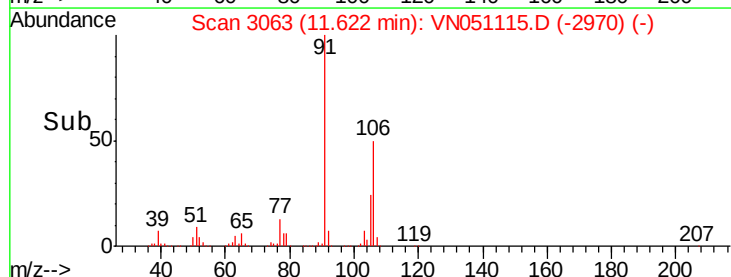
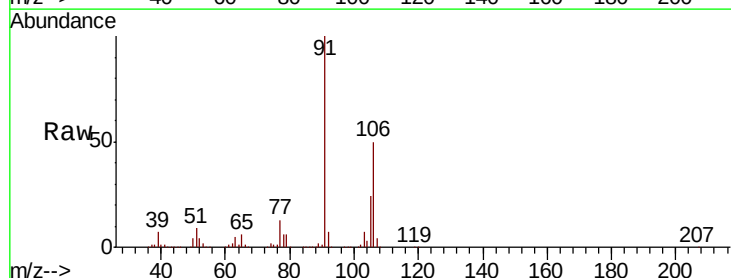
Instrument :
MSVOA_N
ClientSampled :
VN0911WBSD01

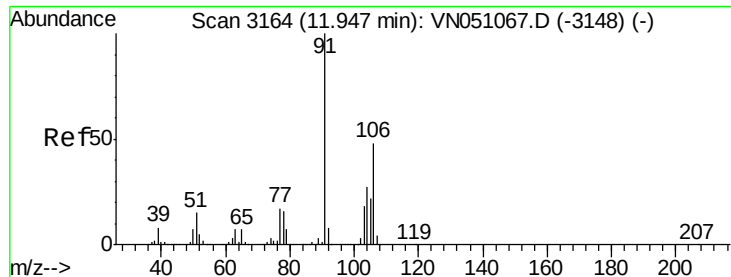
Tot Ion: 91 Resp: 642656
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2



#68
m/p-Xylenes
Concen: 39.20 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion: 106 Resp: 507124
Ion Ratio Lower Upper
106 100
91 200.3 159.8 239.6

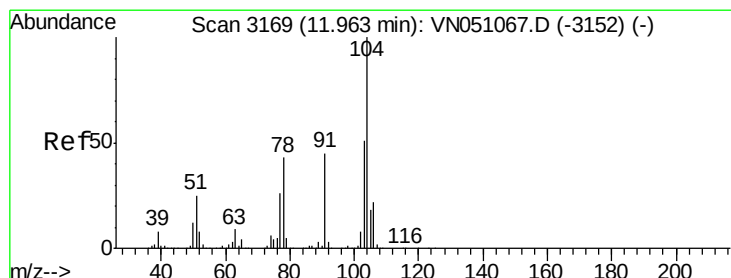
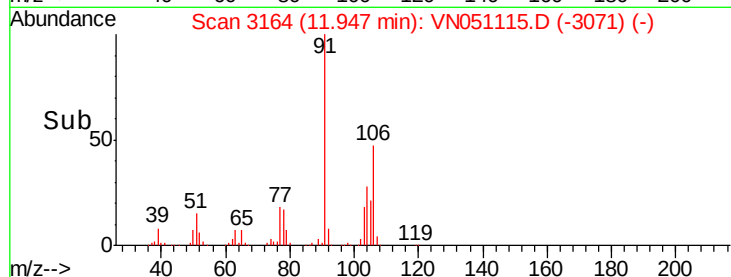
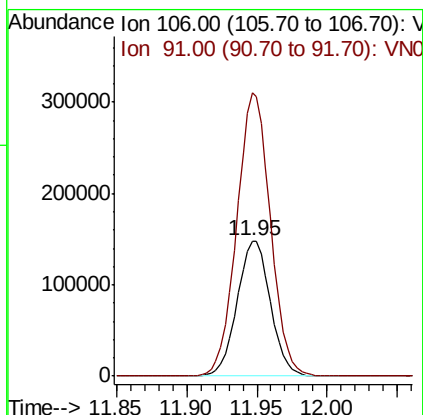
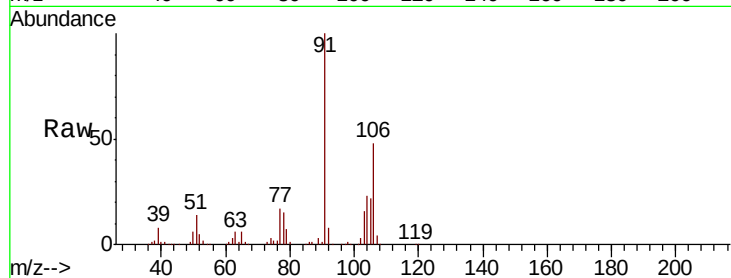




#69
o-Xylene
Concen: 19.55 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

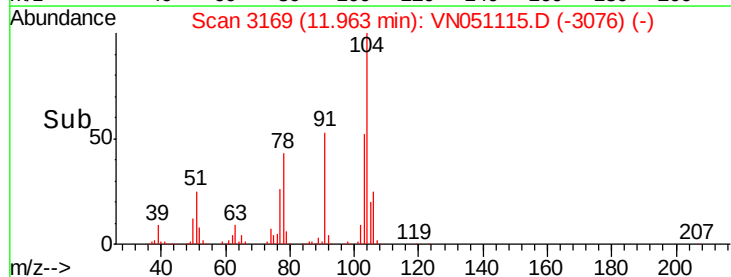
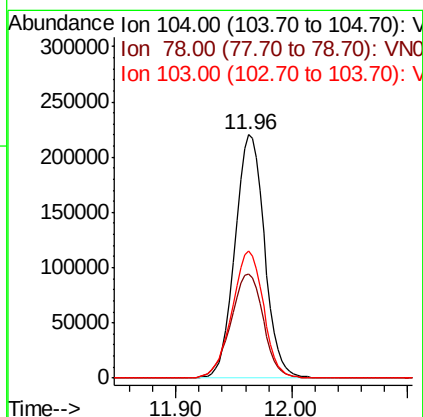
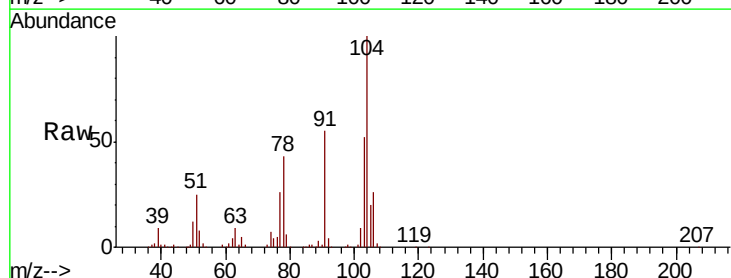
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

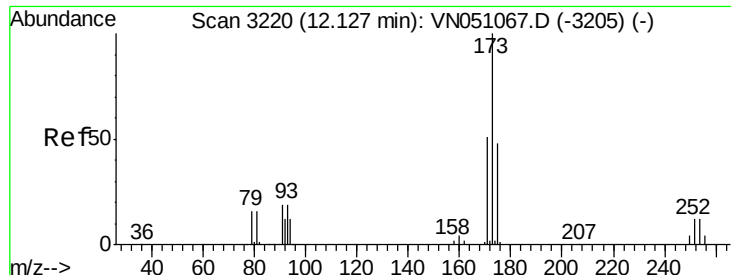
Tot Ion:106 Resp: 244872
Ion Ratio Lower Upper
106 100
91 211.5 105.1 315.1



#70
Styrene
Concen: 19.98 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion:104 Resp: 388258
Ion Ratio Lower Upper
104 100
78 47.1 37.7 56.5
103 55.7 44.6 67.0





#71

Bromoform

Concen: 19.42 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

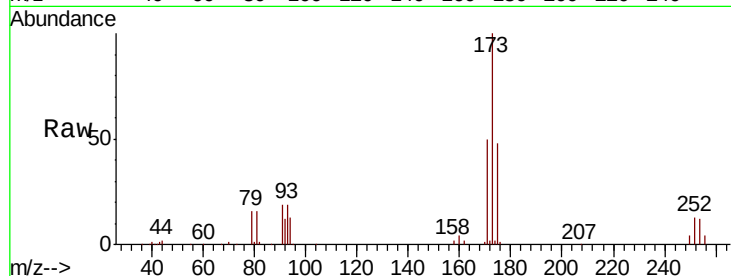
Tot Ion:173 Resp: 102365

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.9

254 0.0 0.0 0.0

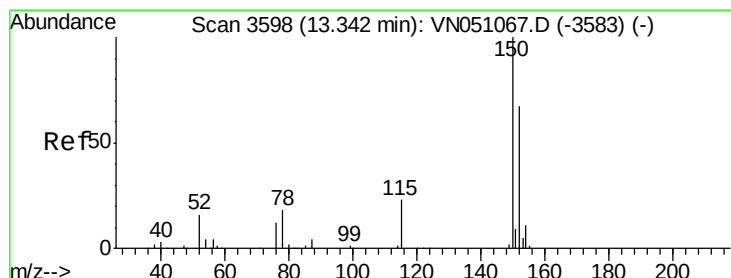
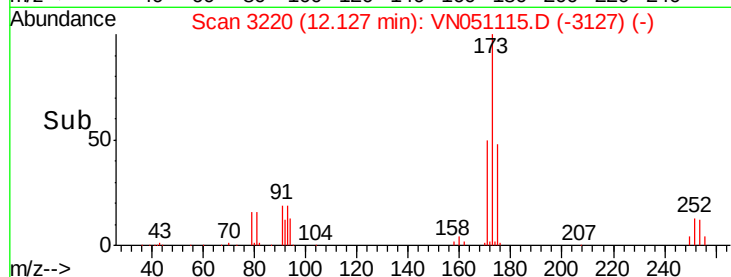
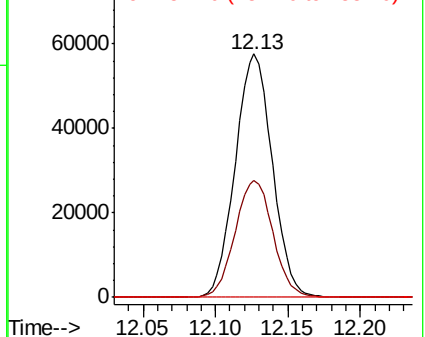


Abundance

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: VN051115.D

Acq: 11 Sep 2018 10:16

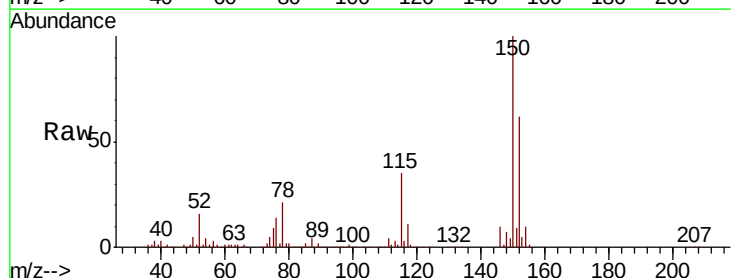
Tgt Ion:152 Resp: 389418

Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.7

150 164.5 0.0 349.0

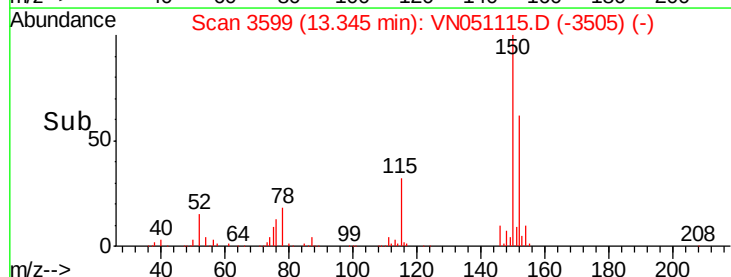
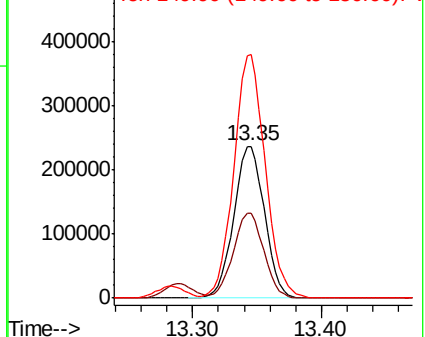


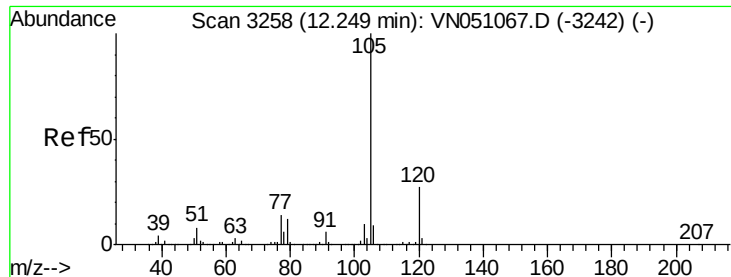
Abundance

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: 19.74 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

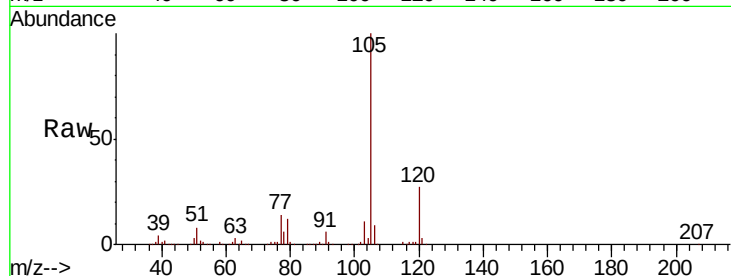
VN0911WBSD01

Tot Ion:105 Resp: 644697

Ion Ratio Lower Upper

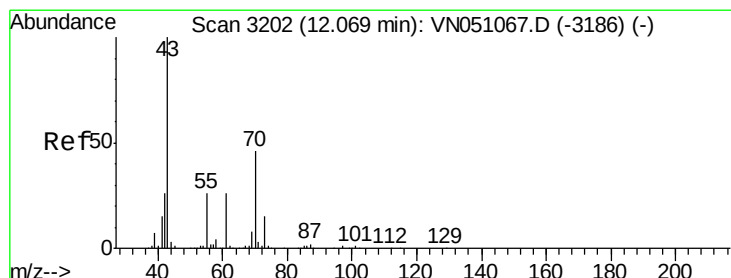
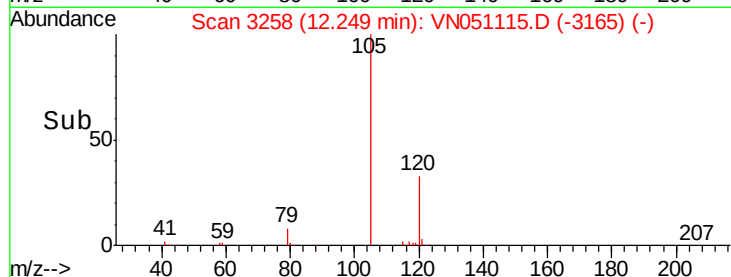
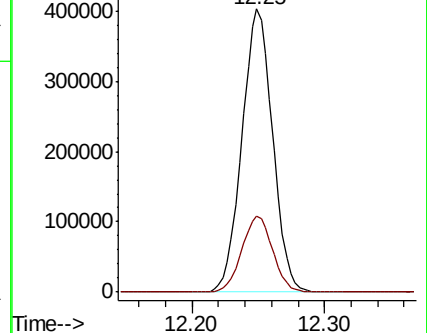
105 100

120 26.9 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: 18.79 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Tgt Ion: 43 Resp: 154400

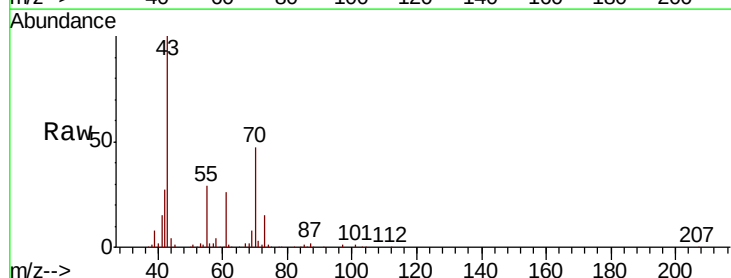
Ion Ratio Lower Upper

43 100

70 47.5 37.0 55.4

55 28.8 21.3 31.9

61 26.4 20.7 31.1

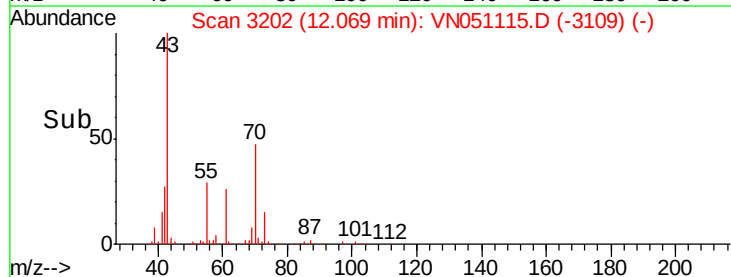
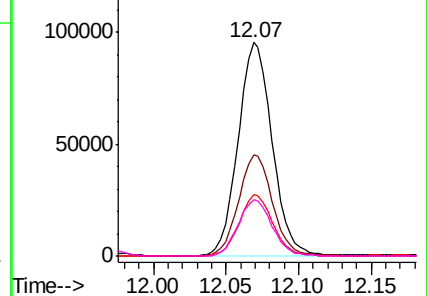


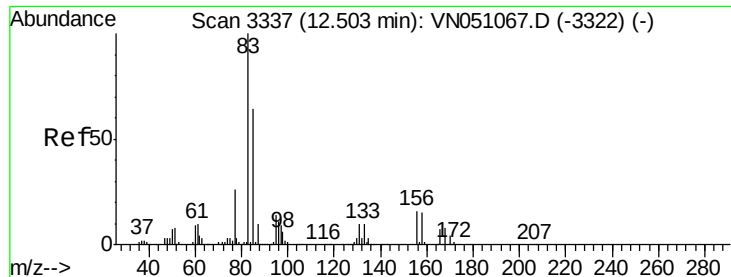
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.14 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0911WBSD01

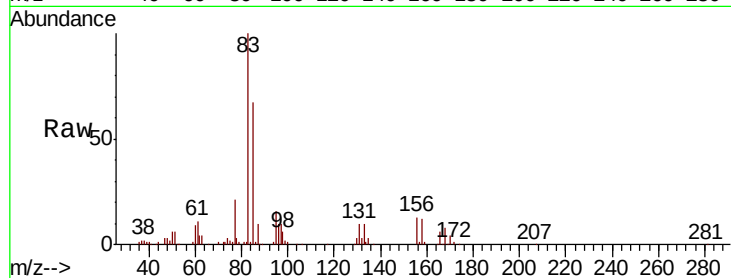
Tot Ion: 83 Resp: 165257

Ion Ratio Lower Upper

83 100

131 10.9 5.3 16.1

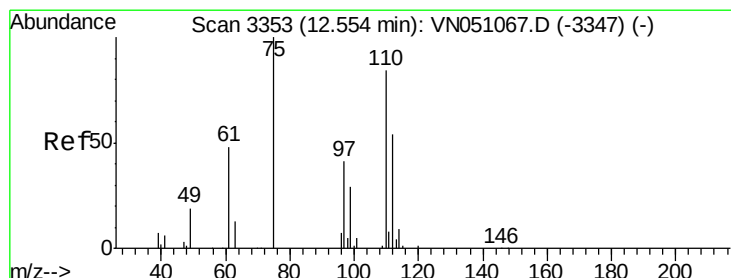
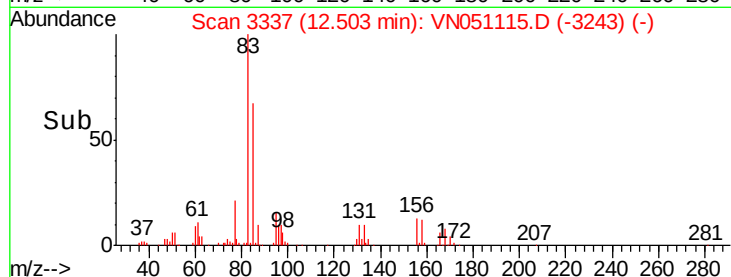
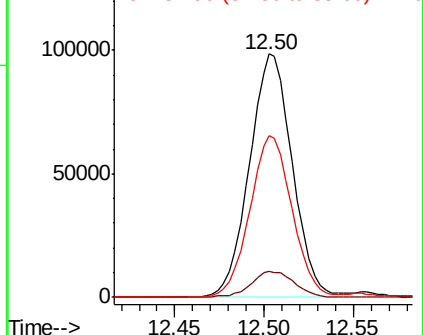
85 65.6 32.3 96.8



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: 31.01 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051115.D

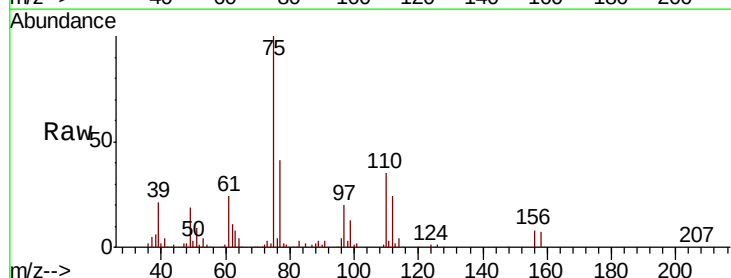
Acq: 11 Sep 2018 10:16

Tgt Ion: 75 Resp: 190647

Ion Ratio Lower Upper

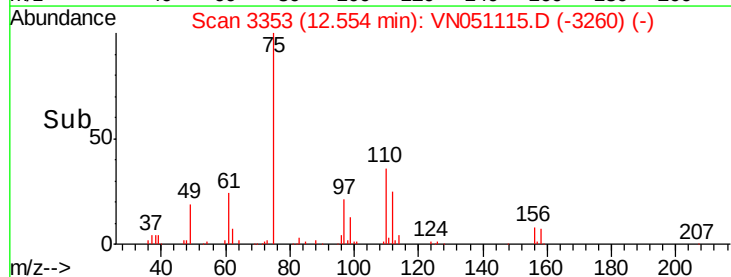
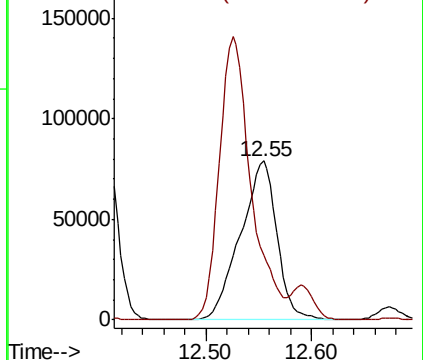
75 100

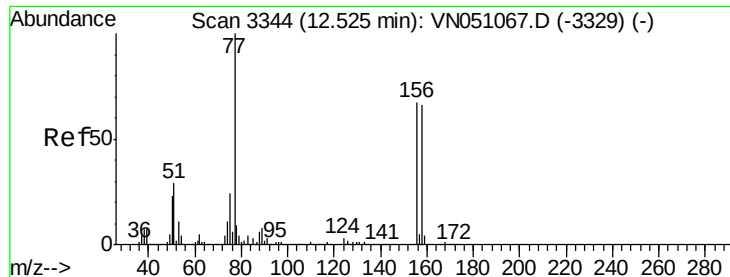
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.06 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

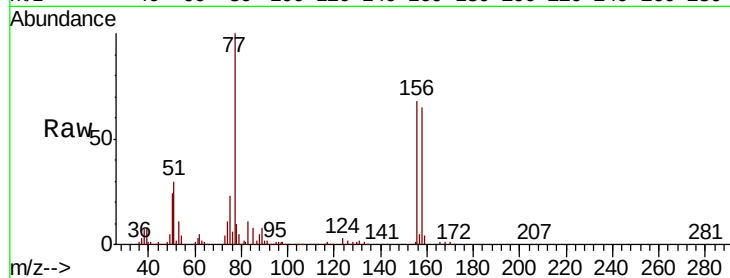
Tot Ion:156 Resp: 167161

Ion Ratio Lower Upper

156 100

77 176.5 87.5 262.6

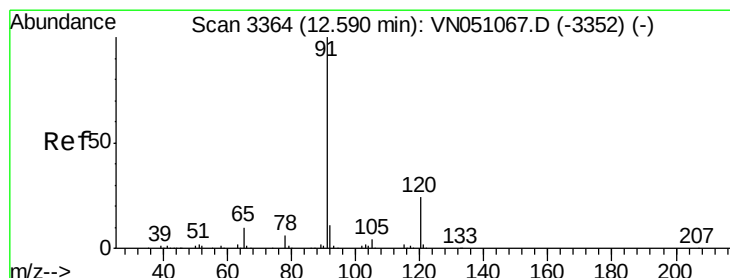
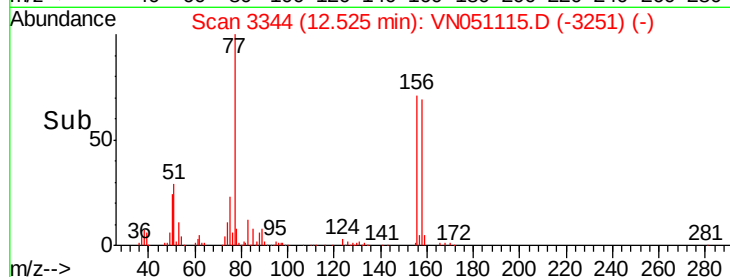
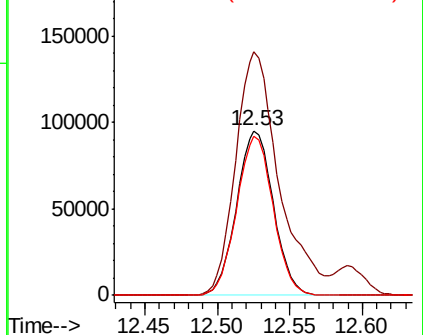
158 96.4 49.0 147.2



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: 19.42 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051115.D

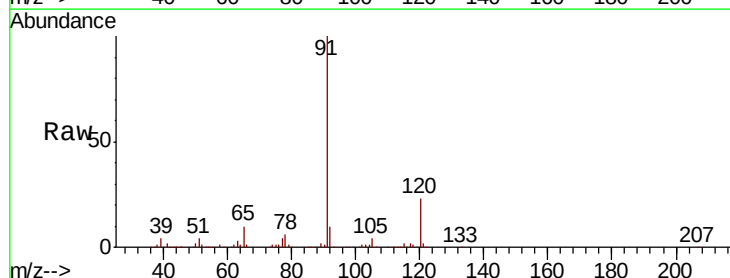
Acq: 11 Sep 2018 10:16

Tgt Ion: 91 Resp: 697140

Ion Ratio Lower Upper

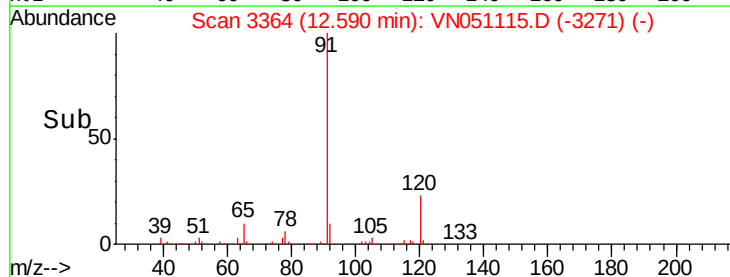
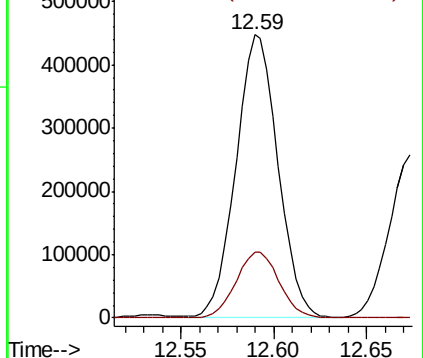
91 100

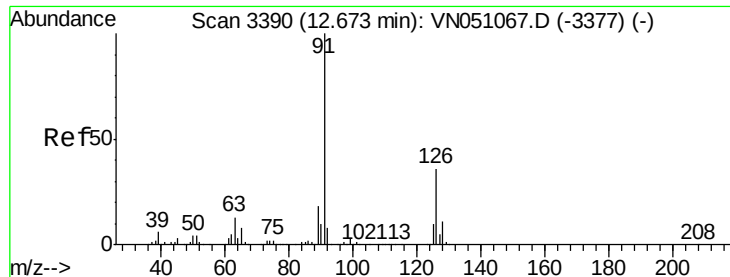
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.42 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

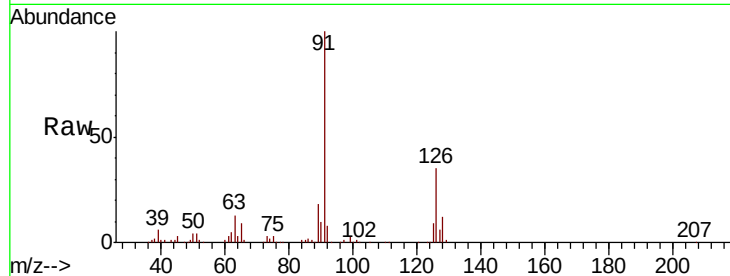
VN0911WBSD01

Tot Ion: 91 Resp: 435625

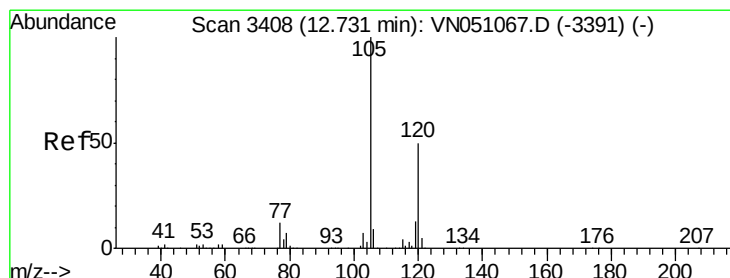
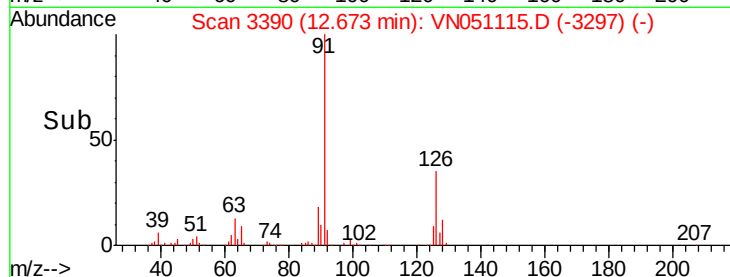
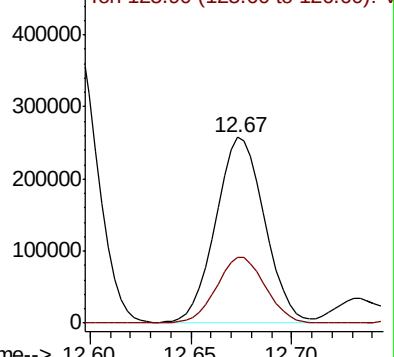
Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.91 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051115.D

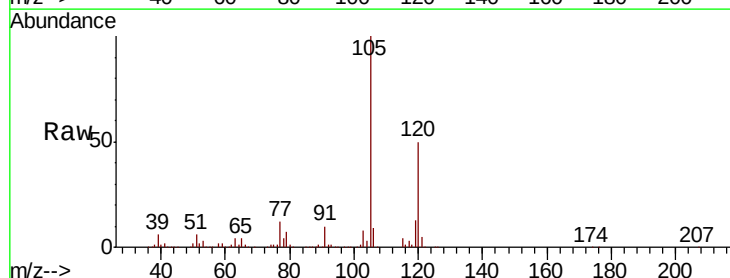
Acq: 11 Sep 2018 10:16

Tgt Ion:105 Resp: 525580

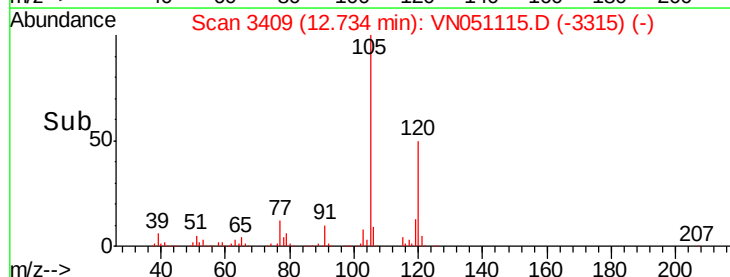
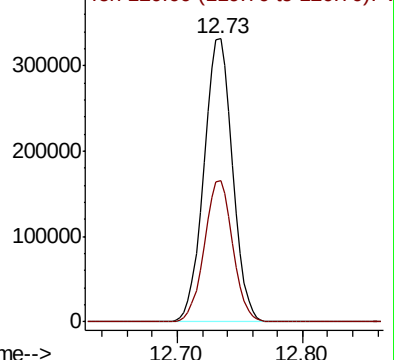
Ion Ratio Lower Upper

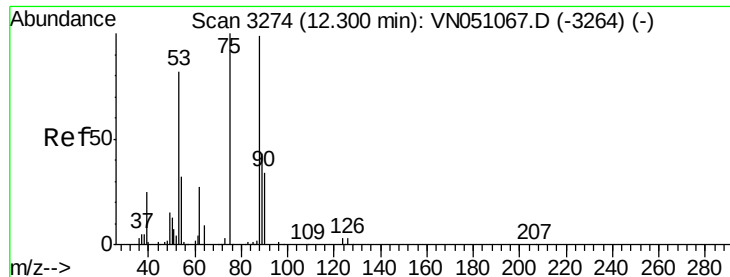
105 100

120 49.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051067.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.85 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

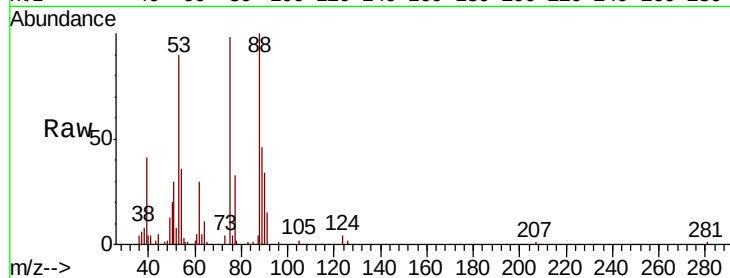
Tot Ion: 75 Resp: 38651

Ion Ratio Lower Upper

75 100

53 89.5 67.8 101.8

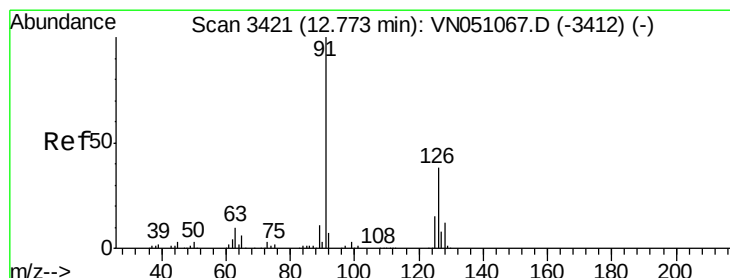
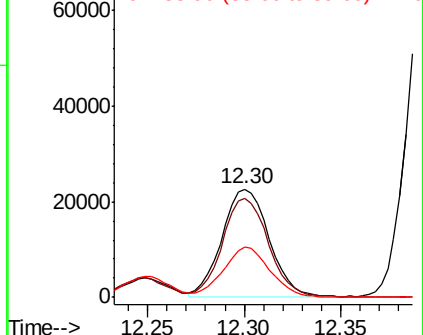
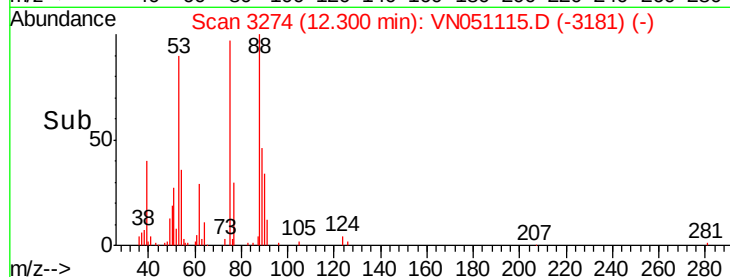
89 46.1 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.02 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051115.D

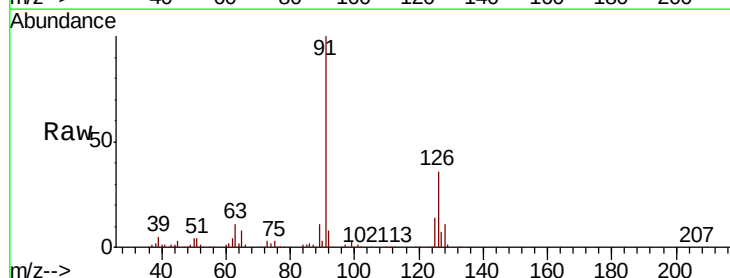
Acq: 11 Sep 2018 10:16

Tgt Ion: 91 Resp: 423641

Ion Ratio Lower Upper

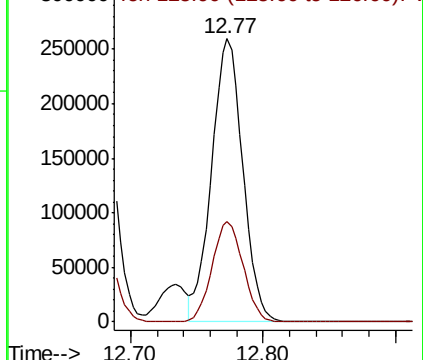
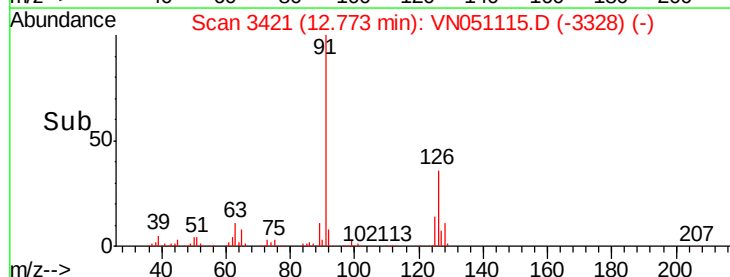
91 100

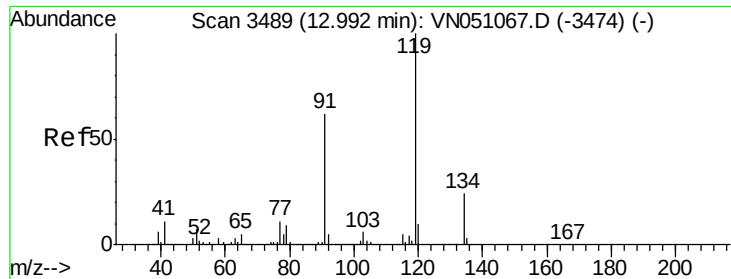
126 35.4 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

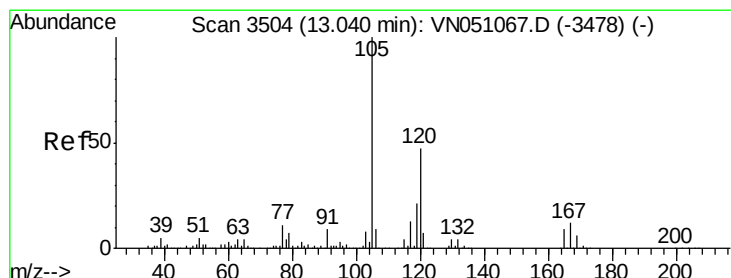
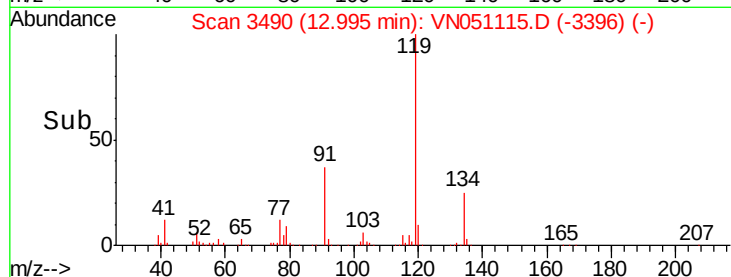
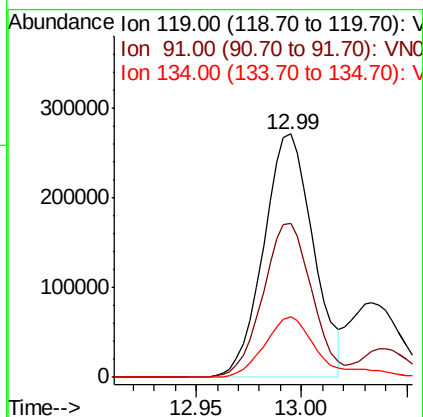
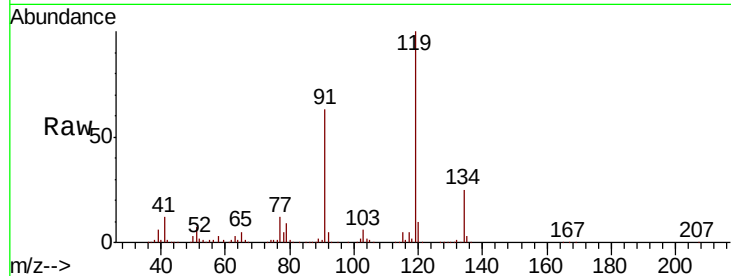




#83
 tert-Butylbenzene
 Concen: 19.09 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

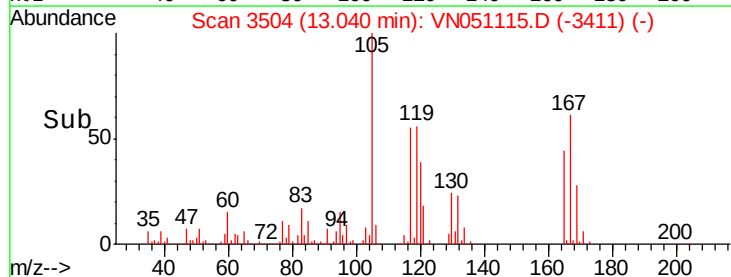
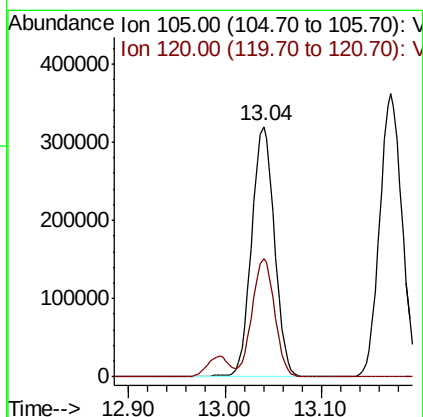
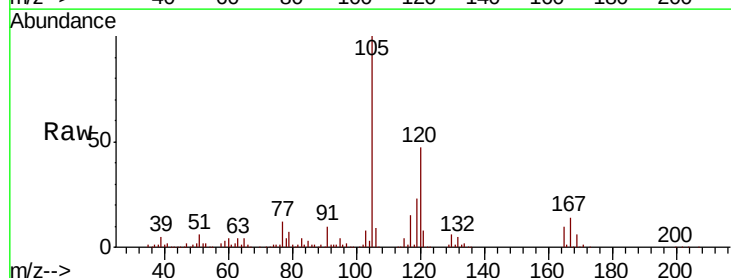
Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBSD01

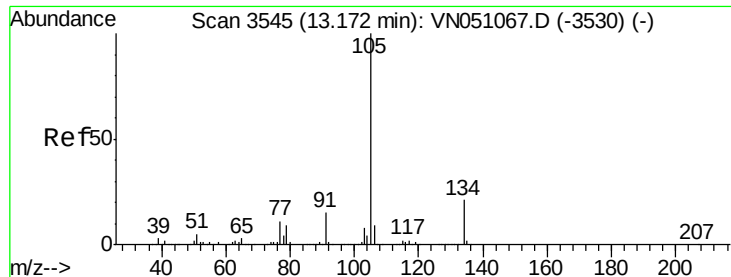
Tot Ion:119 Resp: 445054
 Ion Ratio Lower Upper
 119 100
 91 62.6 30.8 92.3
 134 27.2 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.25 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion:105 Resp: 525625
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.8





#85

sec-Butylbenzene

Concen: 19.40 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

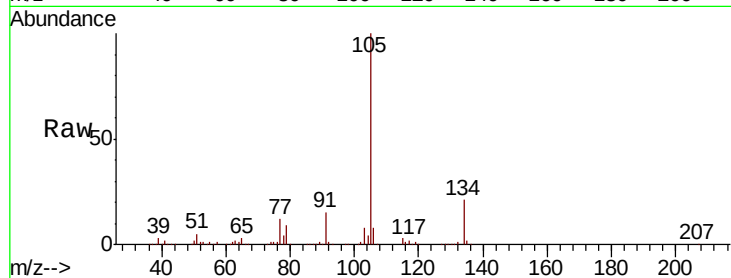
VN0911WBSD01

Tot Ion:105 Resp: 579865

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

300000

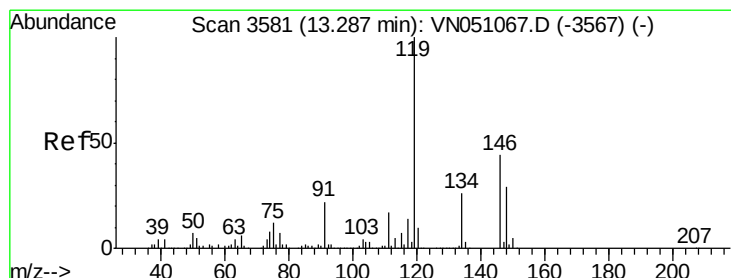
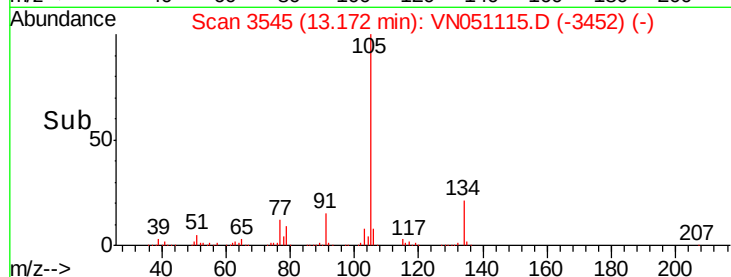
200000

100000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 19.58 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

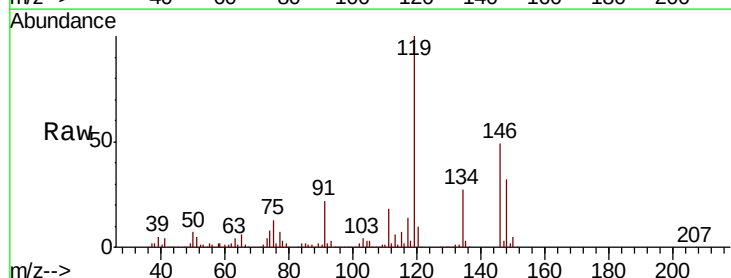
Tgt Ion:119 Resp: 496401

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 21.9 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

300000

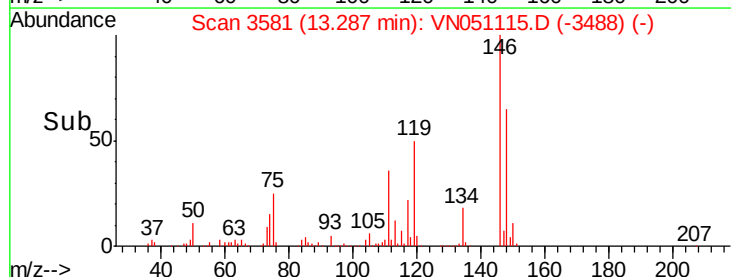
200000

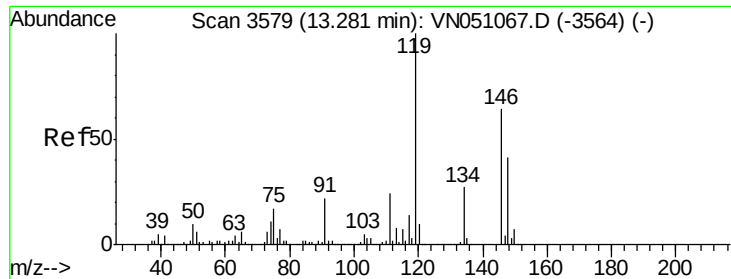
100000

0

13.20 13.25 13.30 13.35

Time-->

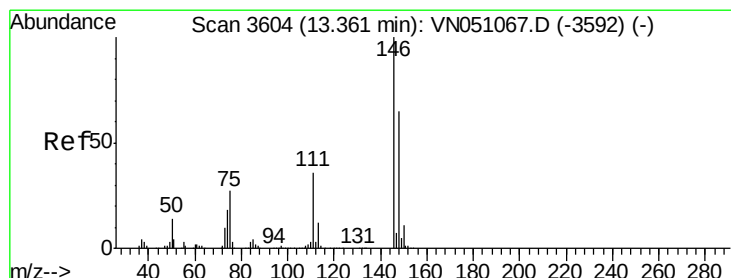
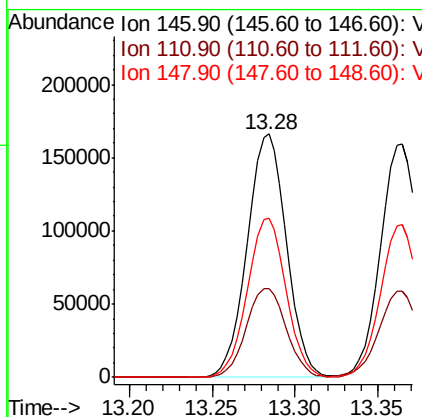
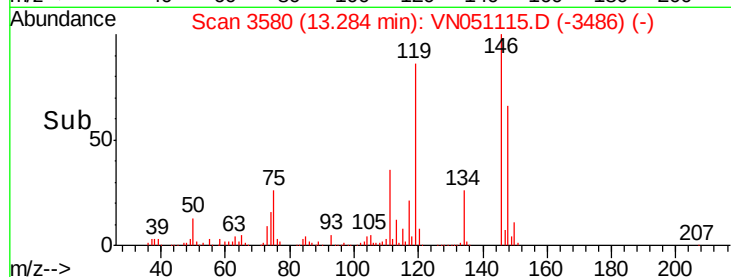
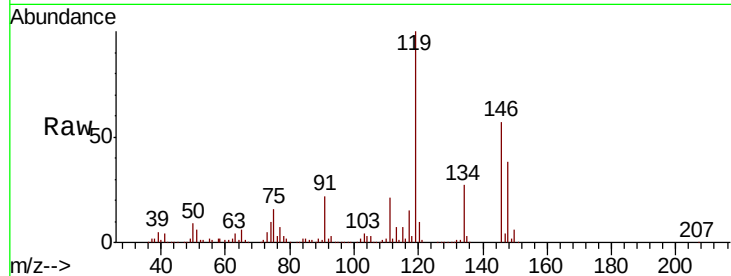




#87
 1,3-Dichlorobenzene
 Concen: 18.47 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

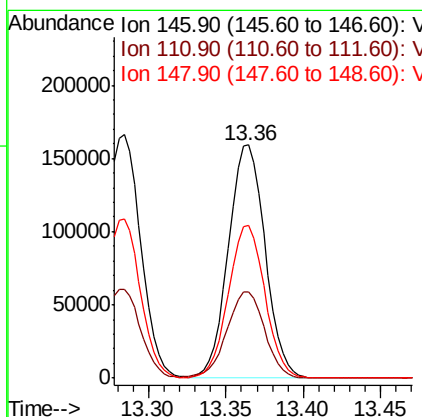
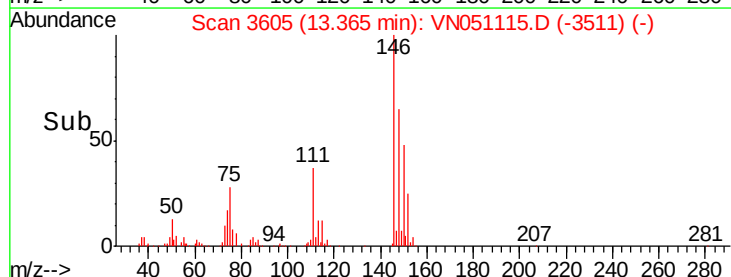
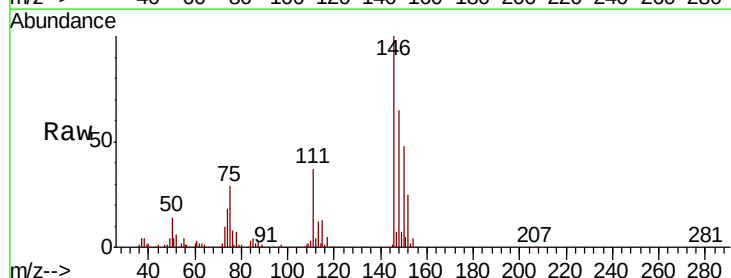
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

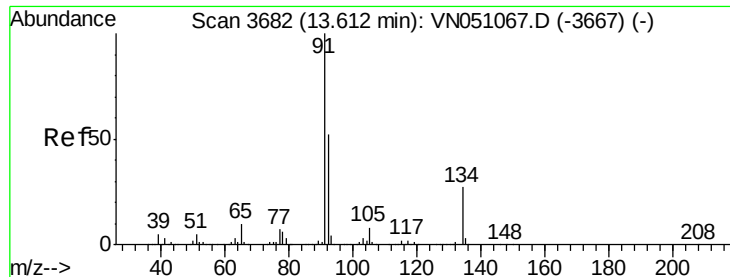
Tot Ion:146 Resp: 274813
 Ion Ratio Lower Upper
 146 100
 111 37.1 19.1 57.1
 148 64.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.19 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion:146 Resp: 262161
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.4 55.0
 148 65.2 32.2 96.6





#89

n-Butylbenzene

Concen: 18.03 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

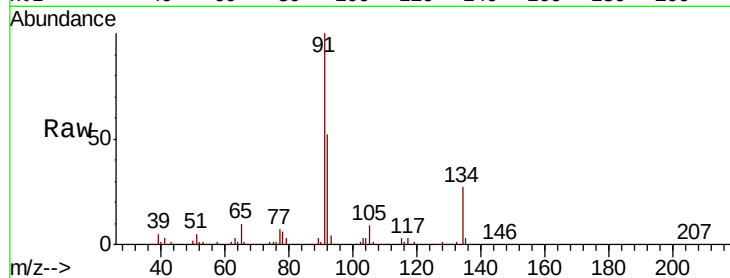
Tot Ion: 91 Resp: 355665

Ion Ratio Lower Upper

91 100

92 51.3 26.2 78.6

134 26.3 13.7 41.1

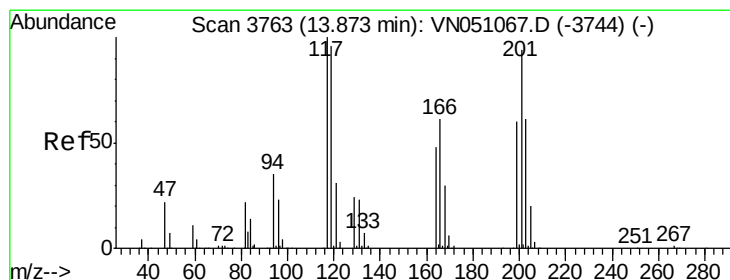
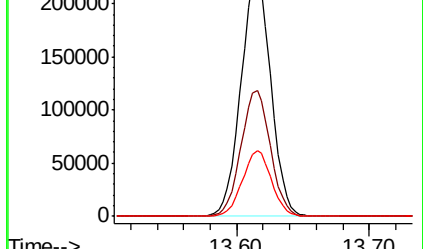
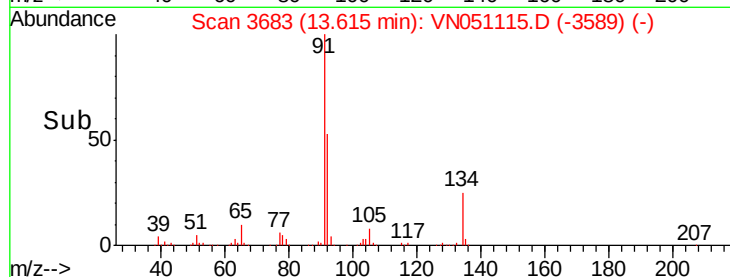


Abundance Ion 91.00 (90.70 to 91.70): VN051115.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN051115.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN051115.D (-3682) (-)

Time-->



#90

Hexachloroethane

Concen: 19.62 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051115.D

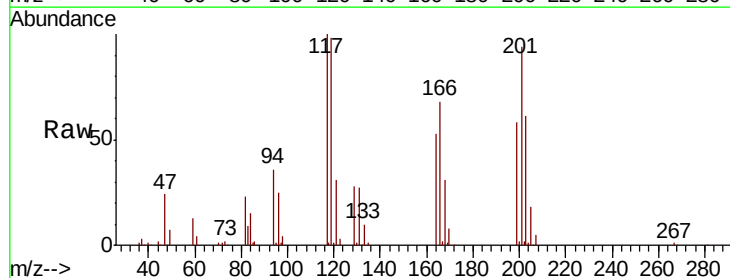
Acq: 11 Sep 2018 10:16

Tgt Ion: 117 Resp: 92291

Ion Ratio Lower Upper

117 100

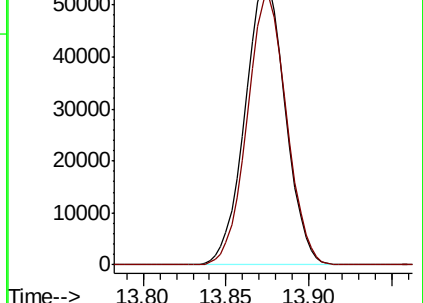
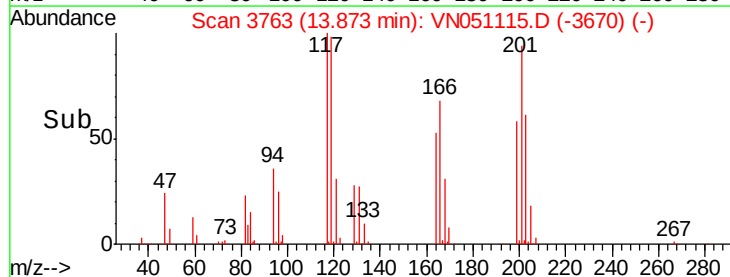
201 93.1 47.3 142.0

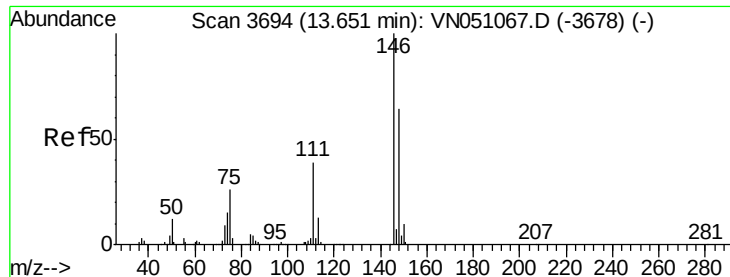


Abundance Ion 116.80 (116.50 to 117.50): VN051115.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN051115.D (-3763) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 18.83 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0911WBSD01

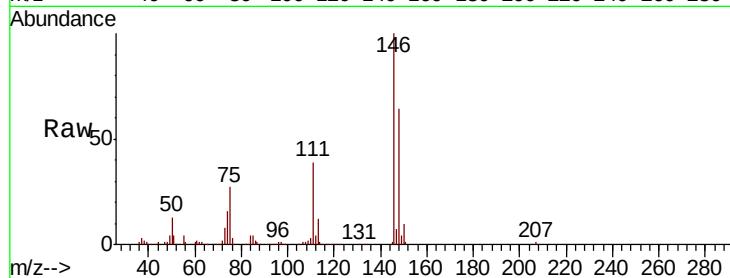
Tot Ion:146 Resp: 273112

Ion Ratio Lower Upper

146 100

111 39.0 19.7 59.0

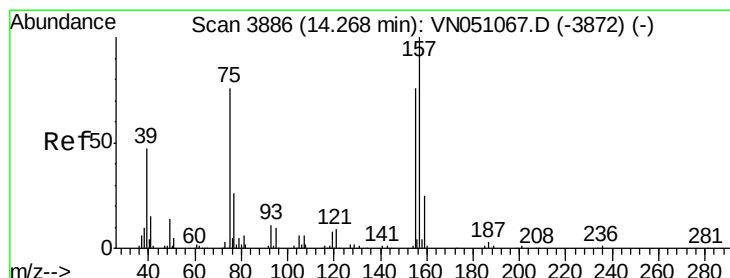
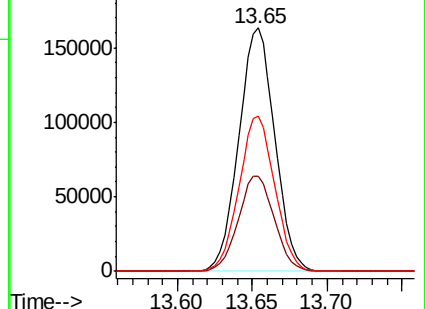
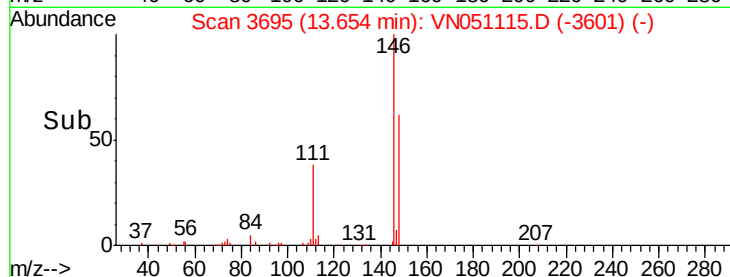
148 63.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.63 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

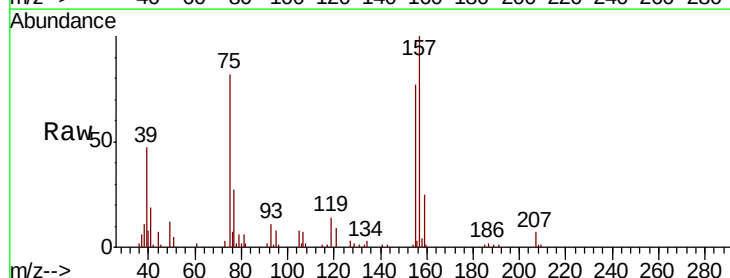
Tgt Ion: 75 Resp: 22573

Ion Ratio Lower Upper

75 100

155 94.8 48.7 146.1

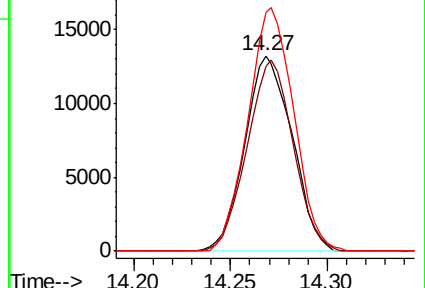
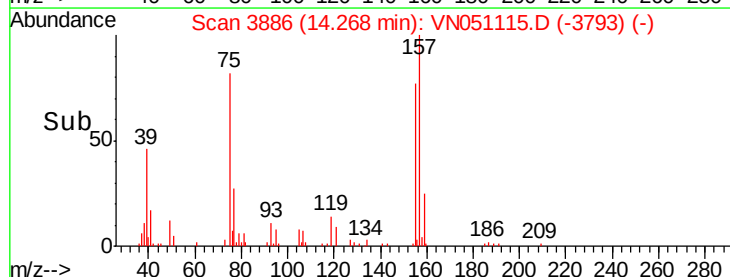
157 120.6 63.6 190.9

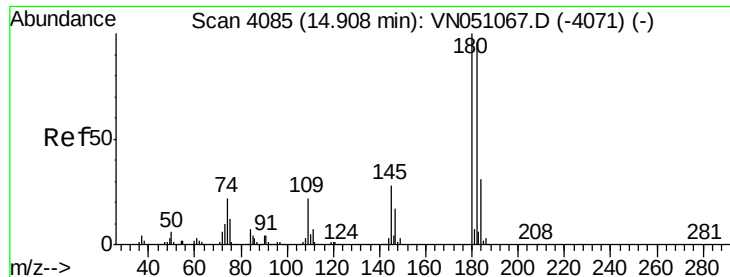


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

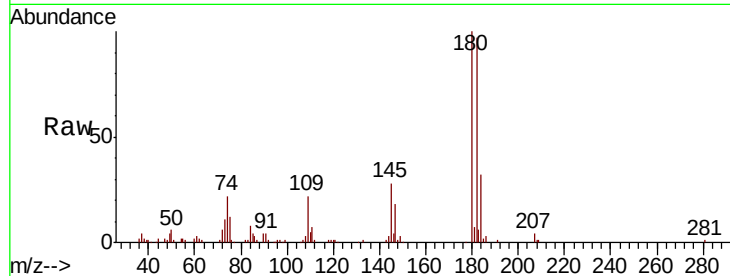




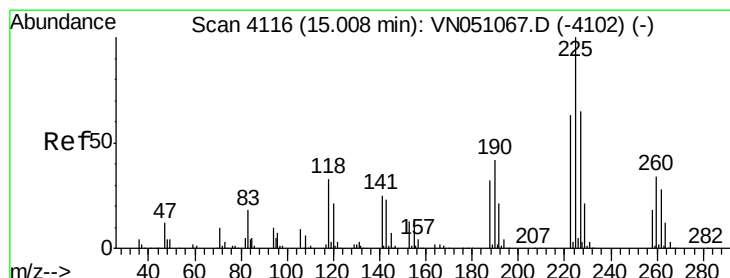
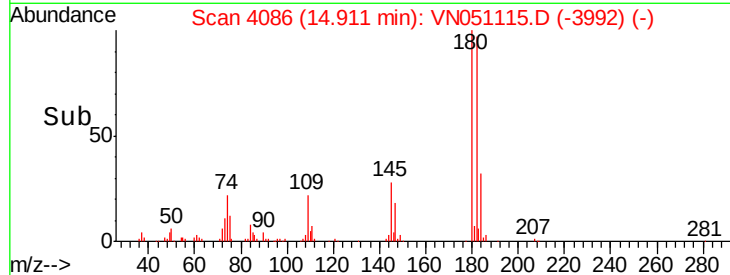
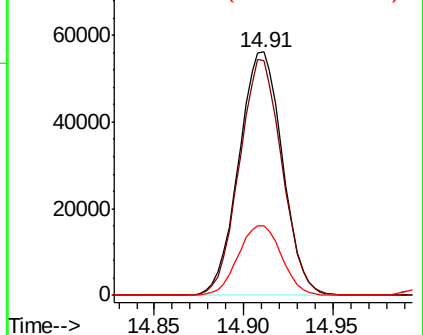
#93
 1,2,4-Trichlorobenzene
 Concen: 16.55 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tot Ion:180 Resp: 95690
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.3 141.8
 145 28.5 14.2 42.6

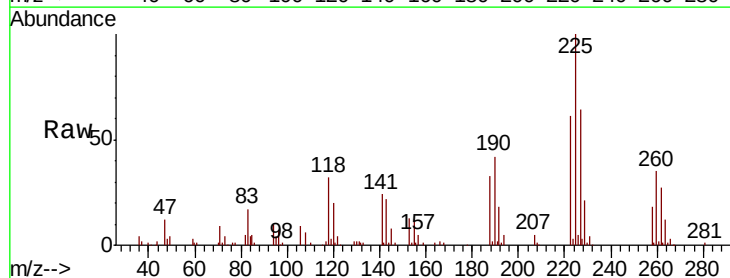


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

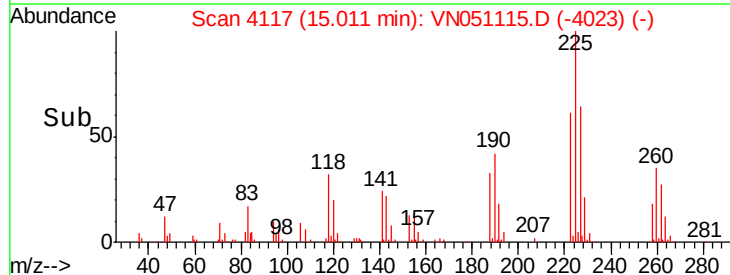
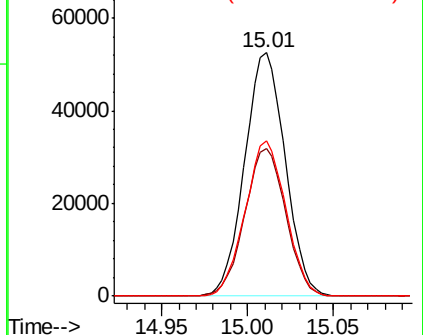


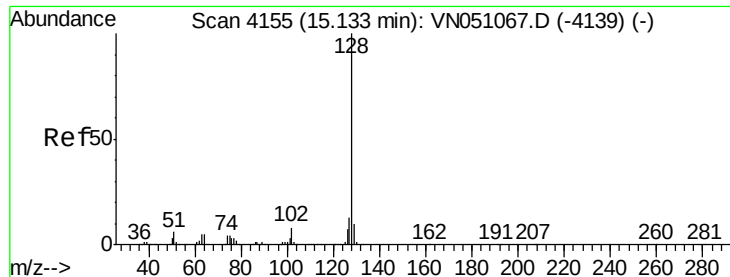
#94
 Hexachlorobutadiene
 Concen: 19.23 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion:225 Resp: 85841
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.4 94.0
 227 63.8 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: 16.91 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

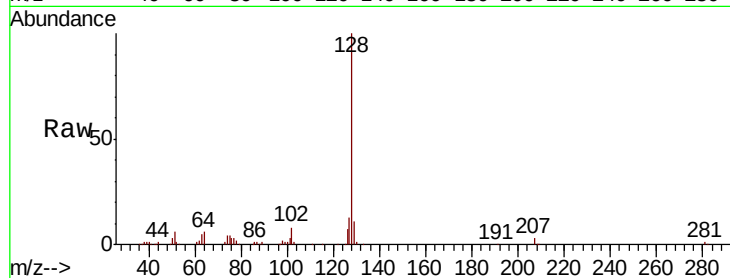
Tot Ion:128 Resp: 189655

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

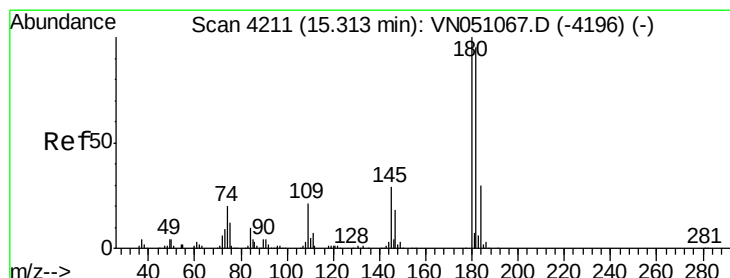
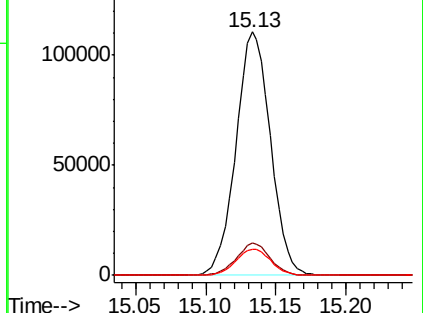
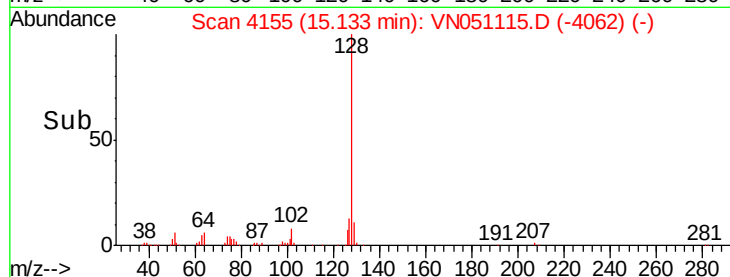
129 11.0 8.6 12.8



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: 17.18 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

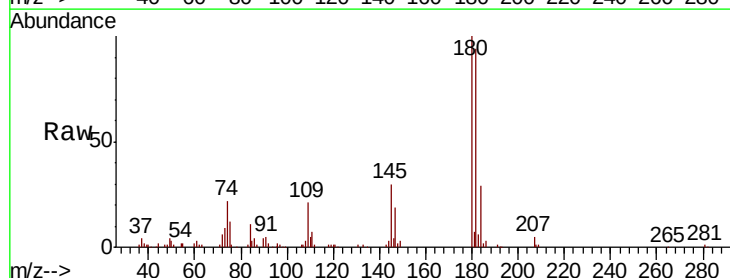
Tgt Ion:180 Resp: 101238

Ion Ratio Lower Upper

180 100

182 95.9 47.8 143.3

145 29.6 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

