

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\
 Data File : VN053310.D
 Acq On : 8 Jan 2019 11:30
 Operator : MD\SY
 Sample : VN0108MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBS01

Quant Time: Jan 09 00:08:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	946310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1458074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1324792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	614873	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	464321	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
35) Dibromofluoromethane	7.59	113	386111	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
50) Toluene-d8	10.09	98	1693520	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
62) 4-Bromofluorobenzene	12.40	95	605897	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	153145	18.357	ug/l	98
3) Chloromethane	2.06	50	205640	17.651	ug/l	100
4) Vinyl Chloride	2.19	62	211075	18.982	ug/l	98
5) Bromomethane	2.54	94	133972	18.438	ug/l	100
6) Chloroethane	2.70	64	120901	18.013	ug/l	100
7) Trichlorofluoromethane	3.02	101	270750	18.798	ug/l	99
8) Diethyl Ether	3.41	74	109545	19.404	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	172281	18.873	ug/l	99
10) Methyl Iodide	3.96	142	254655	19.902	ug/l	99
11) Tert butyl alcohol	4.78	59	47278	79.839	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	169560	19.203	ug/l	97
13) Acrolein	3.61	56	71353	95.834	ug/l	99
14) Allyl chloride	4.33	41	273351	19.208	ug/l	97
15) Acrylonitrile	4.99	53	328663	92.975	ug/l	99
16) Acetone	3.81	43	223178	92.784	ug/l	99
17) Carbon Disulfide	4.06	76	471333	17.314	ug/l	99
18) Methyl Acetate	4.32	43	155993	17.507	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	479686	19.357	ug/l	97
20) Methylene Chloride	4.55	84	198532	18.776	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	182254	19.224	ug/l	99
22) Diisopropyl ether	5.95	45	592443	19.324	ug/l	98
23) Vinyl Acetate	5.90	43	1834902	95.119	ug/l	99
24) 1,1-Dichloroethane	5.85	63	342834	19.389	ug/l	100
25) 2-Butanone	6.83	43	367650	91.023	ug/l	100
26) 2,2-Dichloropropane	6.83	77	244986	18.954	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	209990	19.396	ug/l	98
28) Bromochloromethane	7.20	49	151611	20.121	ug/l	97
29) Tetrahydrofuran	7.21	42	246548	92.499	ug/l	99
30) Chloroform	7.37	83	332274	19.092	ug/l	100
31) Cyclohexane	7.66	56	325118	19.229	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	277237	19.116	ug/l	99
36) 1,1-Dichloropropene	7.80	75	262238	19.265	ug/l	99
37) Ethyl Acetate	6.93	43	167686	18.913	ug/l	100
38) Carbon Tetrachloride	7.77	117	236337	18.811	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	286105	18.143	ug/l	99
40) Benzene	8.04	78	808502	19.445	ug/l	100
41) Methacrylonitrile	7.17	41	93056	16.905	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	238074	19.303	ug/l	100
43) Isopropyl Acetate	8.17	43	304268	17.444	ug/l	100
44) Trichloroethene	8.84	130	220753	19.335	ug/l	100
45) 1,2-Dichloropropane	9.12	63	211134	19.360	ug/l	100
46) Dibromomethane	9.21	93	122351	19.242	ug/l	99
47) Bromodichloromethane	9.40	83	247229	18.658	ug/l	99
48) Methyl methacrylate	9.20	41	150394	18.979	ug/l	98
49) 1,4-Dioxane	9.20	88	23742	281.212	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	831196	94.762	ug/l	100
52) Toluene	10.16	92	499982	19.600	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	255701	18.863	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	302169	19.290	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	177612	18.936	ug/l	98
56) Ethyl methacrylate	10.43	69	241475	19.811	ug/l	98
57) 1,3-Dichloropropane	10.71	76	307776	19.622	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	639961	97.117	ug/l	100
59) 2-Hexanone	10.75	43	570788	94.976	ug/l	99
60) Dibromochloromethane	10.90	129	188316	18.615	ug/l	100
61) 1,2-Dibromoethane	11.01	107	177787	19.208	ug/l	99
64) Tetrachloroethene	10.63	164	236121	18.937	ug/l	99
65) Chlorobenzene	11.43	112	562225	19.536	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	187770	18.641	ug/l	99
67) Ethyl Benzene	11.51	91	959868	19.628	ug/l	99
68) m/p-Xylenes	11.62	106	731295	39.769	ug/l	100
69) o-Xylene	11.95	106	360731	20.038	ug/l	99
70) Styrene	11.96	104	590825	20.165	ug/l	100
71) Bromoform	12.13	173	128335	18.037	ug/l #	98
73) Isopropylbenzene	12.25	105	929838	20.311	ug/l	100
74) N-amyl acetate	12.07	43	295280	21.601	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	208049	19.756	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	270392	30.150	ug/l #	100
77) Bromobenzene	12.53	156	271096	22.188	ug/l	89
78) n-propylbenzene	12.59	91	1062018	20.509	ug/l	99
79) 2-Chlorotoluene	12.68	91	634272	20.243	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	748379	20.295	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	58114	19.065	ug/l	96
82) 4-Chlorotoluene	12.77	91	649527	20.216	ug/l	99
83) tert-Butylbenzene	12.99	119	638232	19.727	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	756156	20.128	ug/l	99
85) sec-Butylbenzene	13.17	105	857599	20.100	ug/l	99
86) p-Isopropyltoluene	13.29	119	745754	20.187	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	416549	19.360	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	418589	19.612	ug/l	97
89) n-Butylbenzene	13.62	91	633373	20.450	ug/l	99
90) Hexachloroethane	13.88	117	105319	17.787	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	387916	19.247	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24178	18.929	ug/l	96

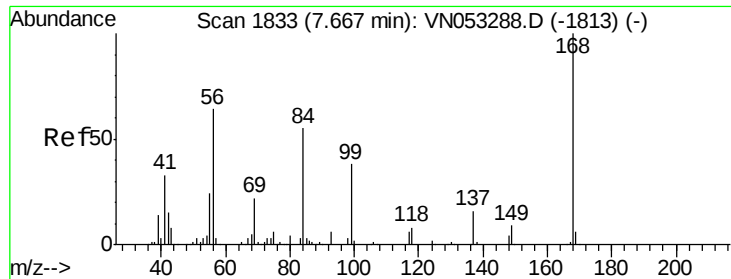
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	128186	20.228	ug/l #	80
94) Hexachlorobutadiene	15.01	225	94079	18.150	ug/l	98
95) Naphthalene	15.13	128	247559	22.900	ug/l	96
96) 1,2,3-Trichlorobenzene	15.32	180	97692	23.546	ug/l #	39

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

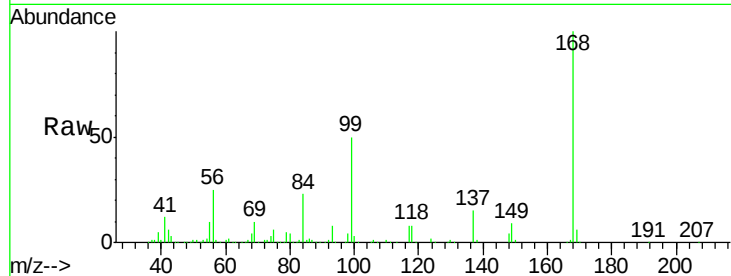
VN0108MBS01

Tot Ion:168 Resp: 946310

Ion Ratio Lower Upper

168 100

99 49.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

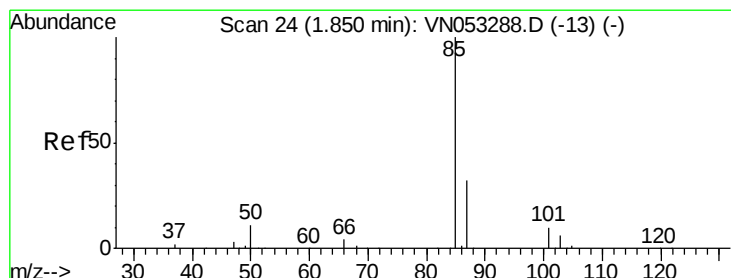
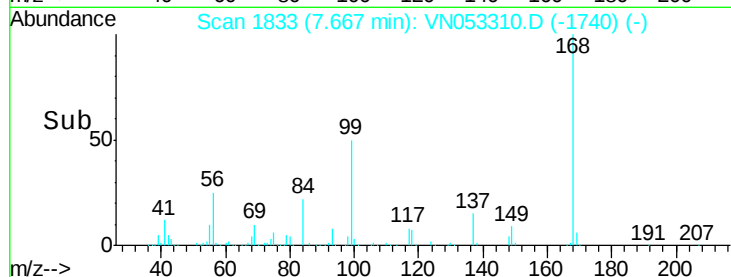
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.357 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053310.D

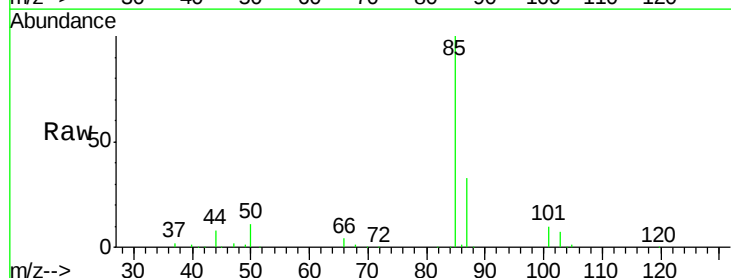
Acq: 8 Jan 2019 11:30

Tgt Ion: 85 Resp: 153145

Ion Ratio Lower Upper

85 100

87 33.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

120000

100000

80000

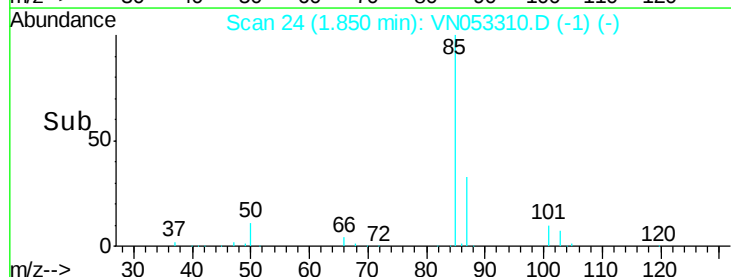
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 17.651 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

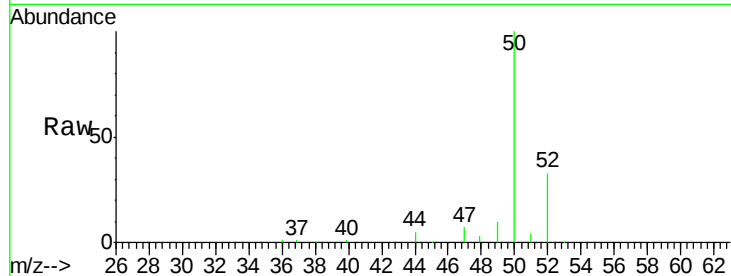
VN0108MBS01

Tot Ion: 50 Resp: 205640

Ion Ratio Lower Upper

50 100

52 33.4 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

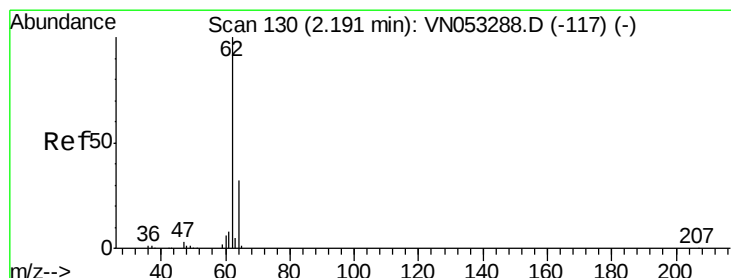
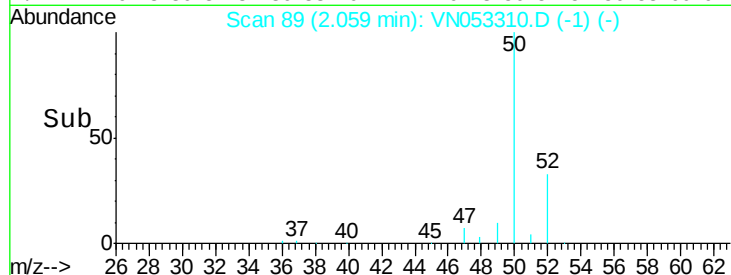
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.982 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053310.D

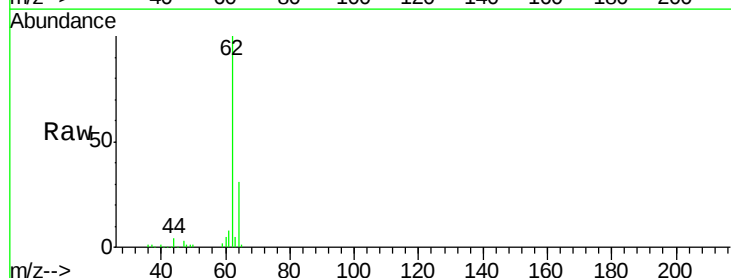
Acq: 8 Jan 2019 11:30

Tgt Ion: 62 Resp: 211075

Ion Ratio Lower Upper

62 100

64 30.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

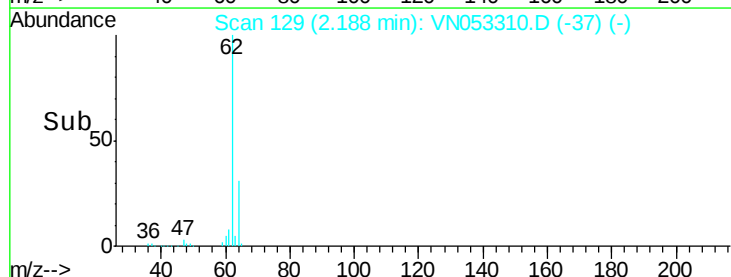
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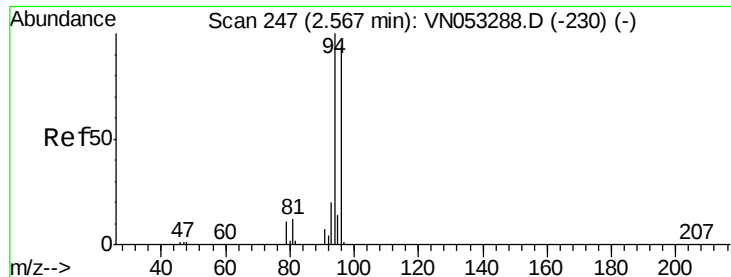
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.438 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

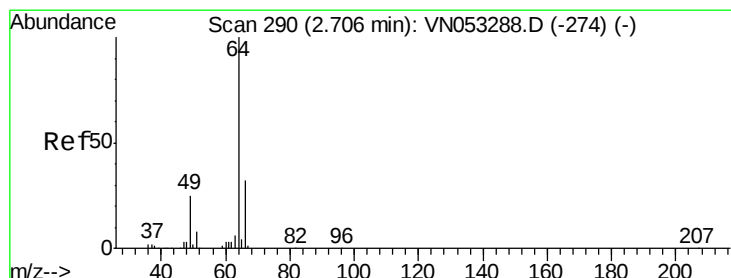
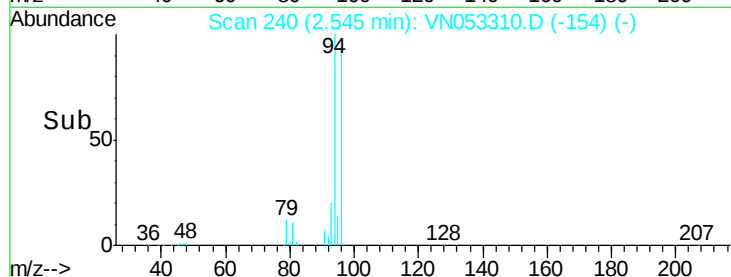
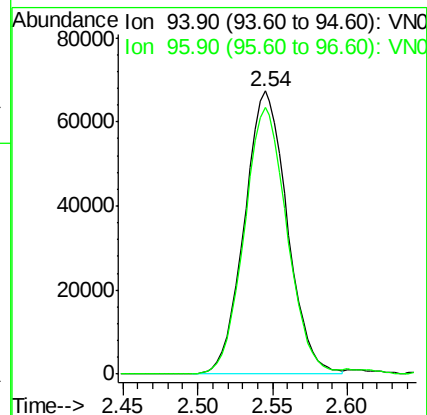
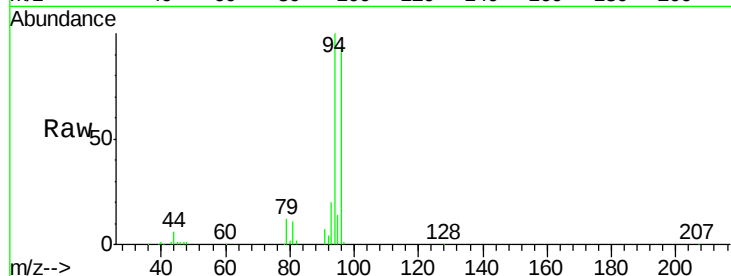
VN0108MBS01

Tot Ion: 94 Resp: 133972

Ion Ratio Lower Upper

94 100

96 93.8 74.9 112.3



#6

Chloroethane

Concen: 18.013 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN053310.D

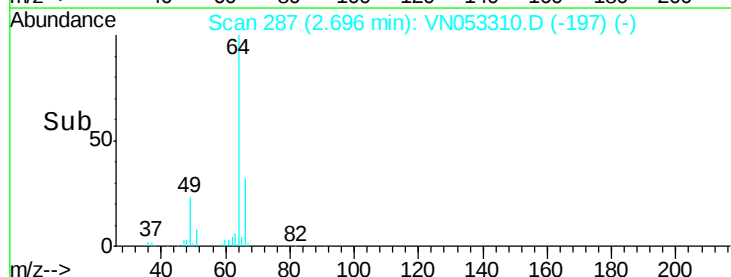
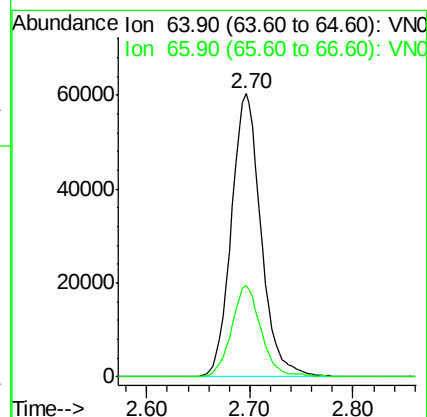
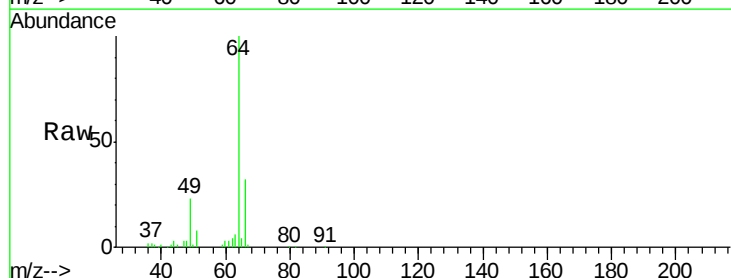
Acq: 8 Jan 2019 11:30

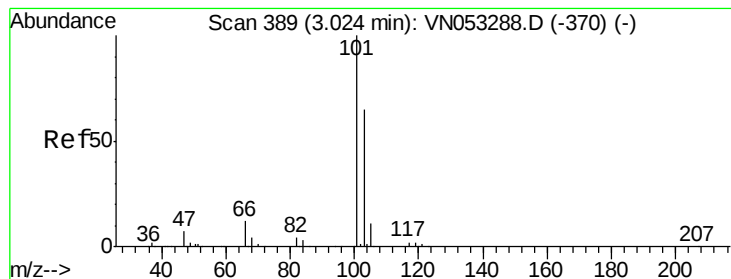
Tgt Ion: 64 Resp: 120901

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4



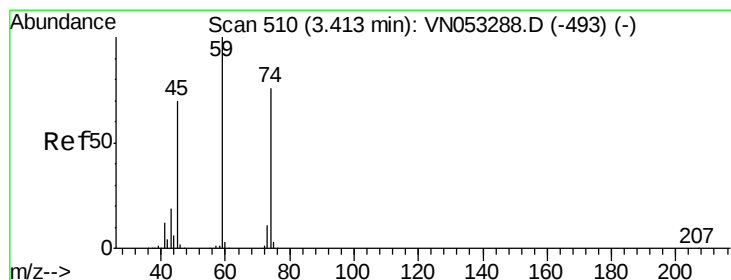
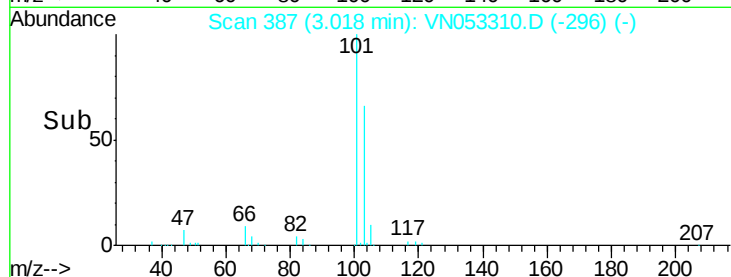
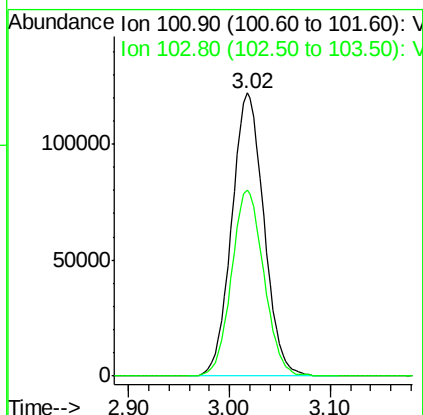
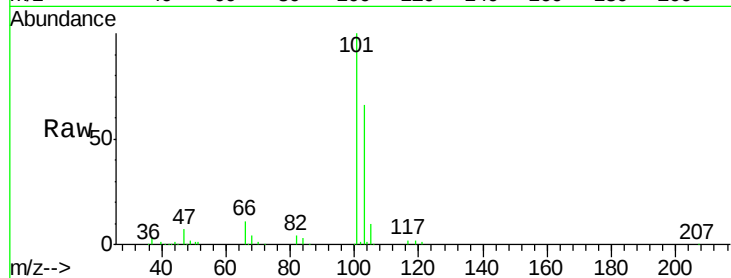


#7

Trichlorofluoromethane
 Concen: 18.798 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBS01

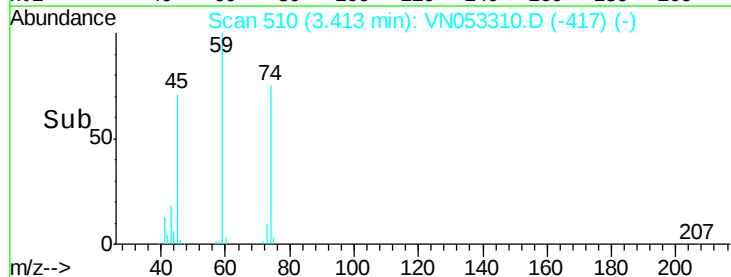
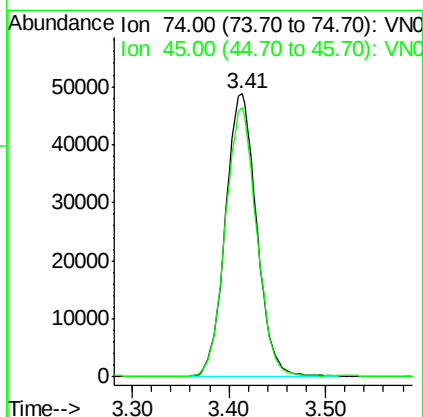
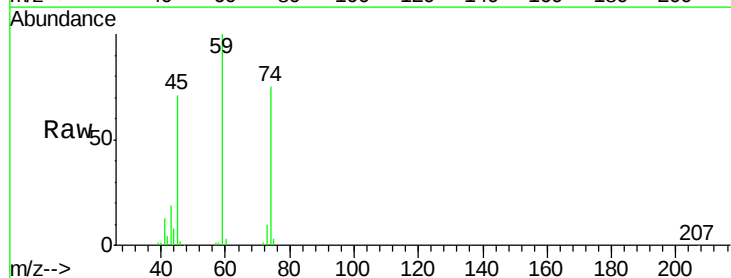
Tot Ion:101 Resp: 270750
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.1 78.1

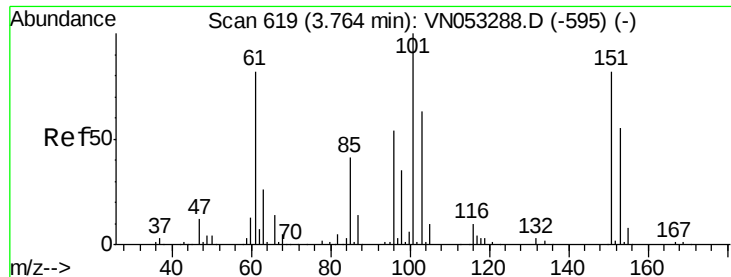


#8

Diethyl Ether
 Concen: 19.404 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Tgt Ion: 74 Resp: 109545
 Ion Ratio Lower Upper
 74 100
 45 95.7 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.873 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

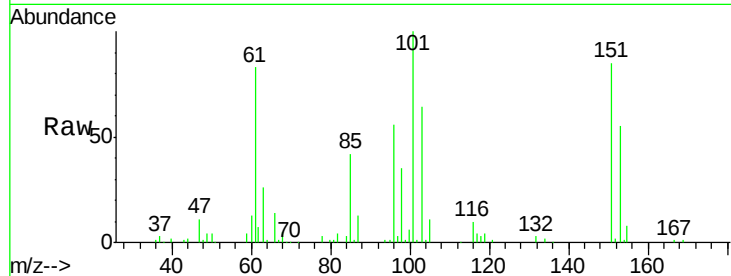
Tot Ion:101 Resp: 172281

Ion Ratio Lower Upper

101 100

85 40.7 33.3 49.9

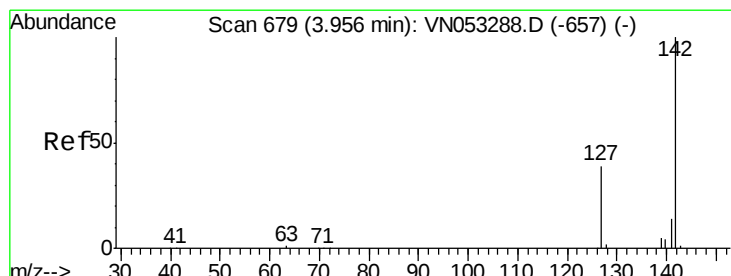
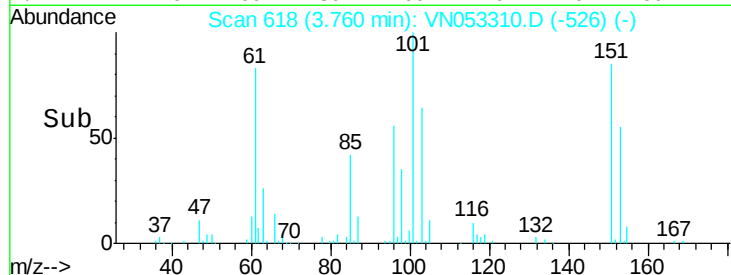
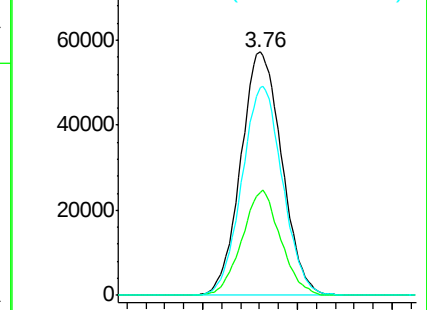
151 85.0 67.0 100.4



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: 19.902 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

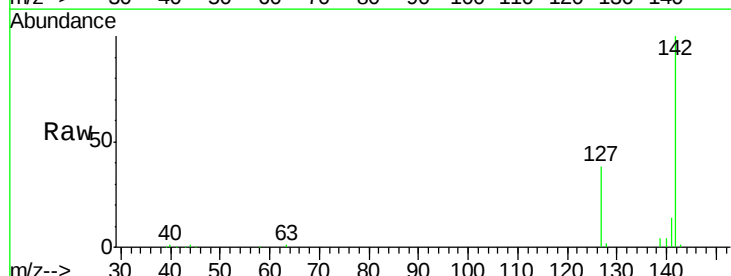
Tgt Ion:142 Resp: 254655

Ion Ratio Lower Upper

142 100

127 37.8 30.9 46.3

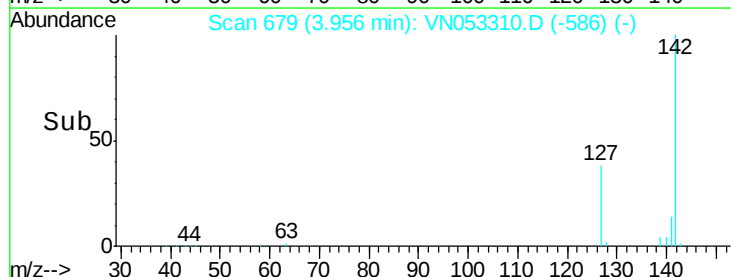
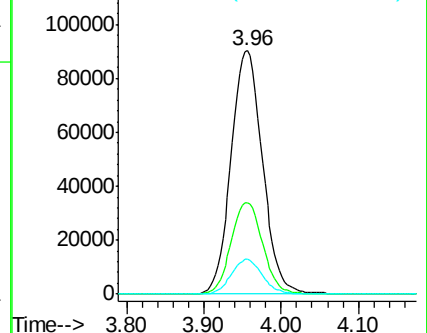
141 14.1 11.2 16.8

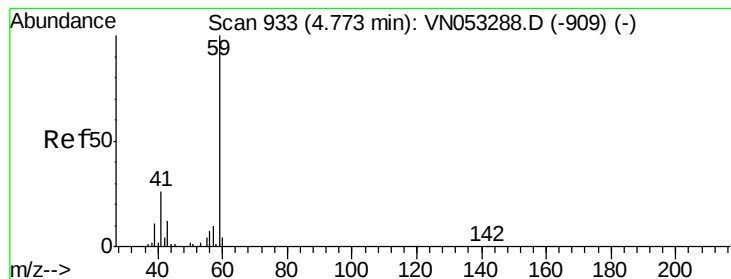


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



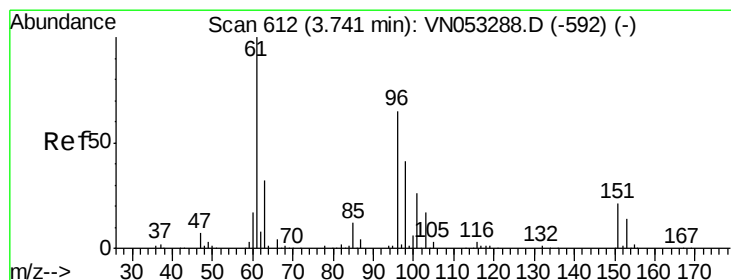
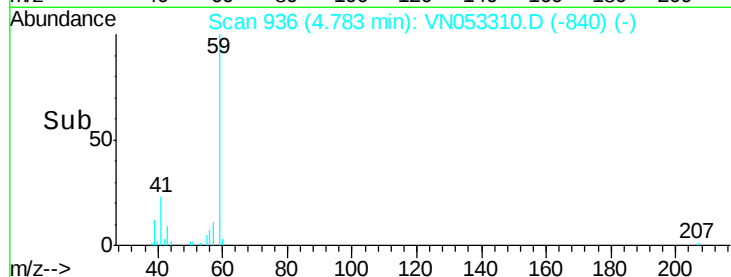
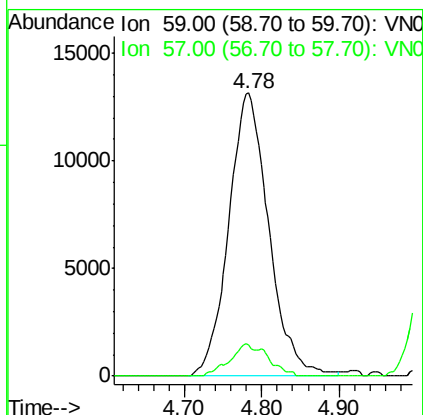
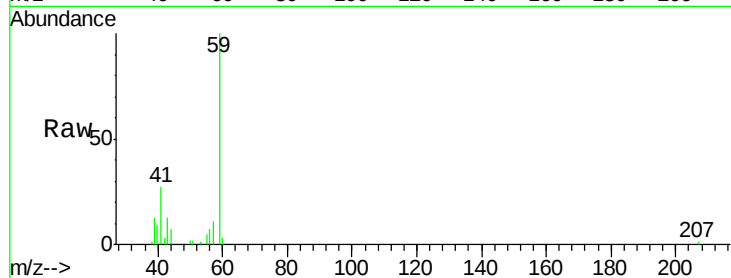


#11

Tert butyl alcohol
 Concen: 79.839 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0108MBS01

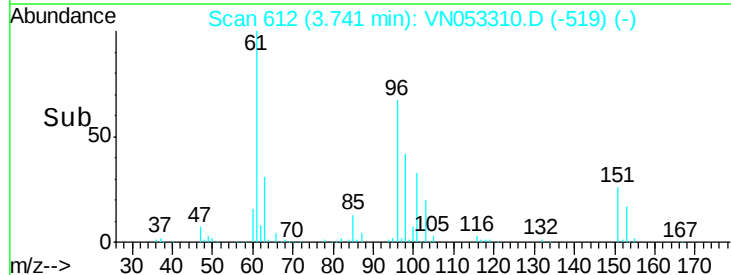
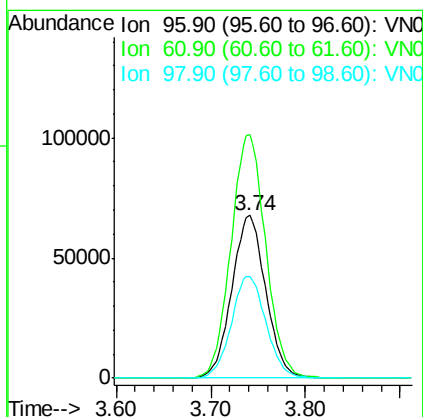
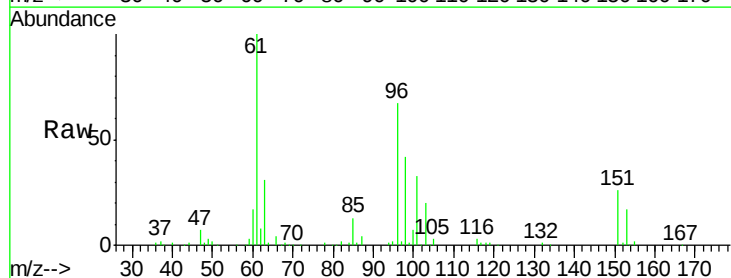
Tot Ion: 59 Resp: 47278
 Ion Ratio Lower Upper
 59 100
 57 7.0 8.0 12.0#

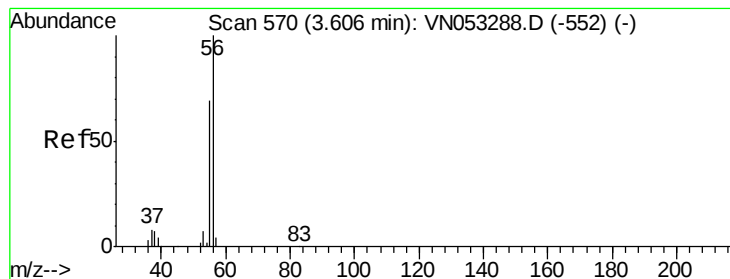


#12

1,1-Dichloroethene
 Concen: 19.203 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Tgt Ion: 96 Resp: 169560
 Ion Ratio Lower Upper
 96 100
 61 149.8 123.2 184.8
 98 62.4 50.5 75.7





#13

Acrolein

Concen: 95.834 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

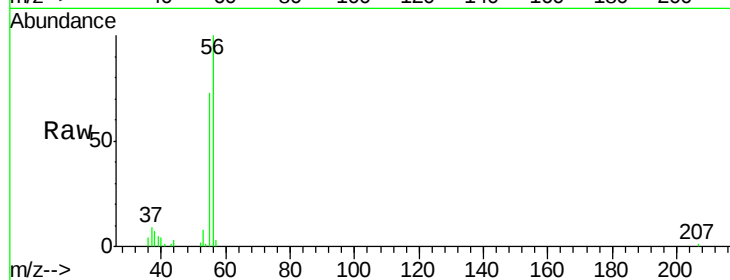
VN0108MBS01

Tot Ion: 56 Resp: 71353

Ion Ratio Lower Upper

56 100

55 71.4 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

30000

25000

20000

15000

10000

5000

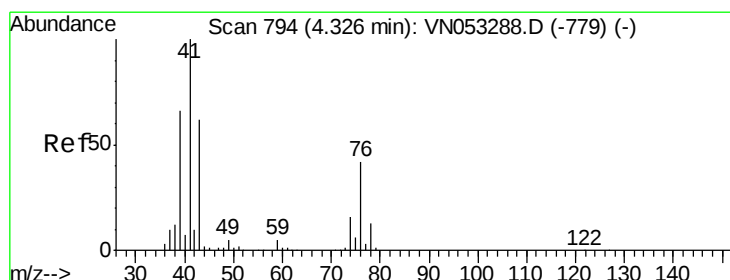
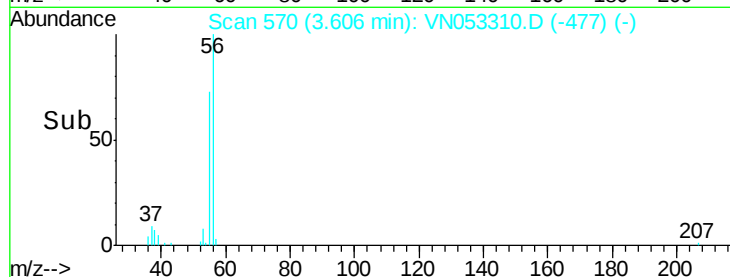
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 19.208 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

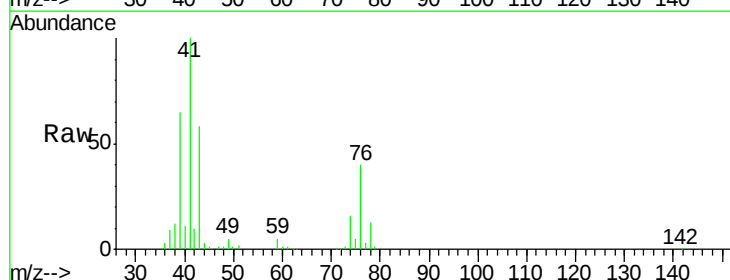
Tgt Ion: 41 Resp: 273351

Ion Ratio Lower Upper

41 100

39 61.9 51.9 77.9

76 37.5 31.2 46.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

120000

100000

80000

60000

40000

20000

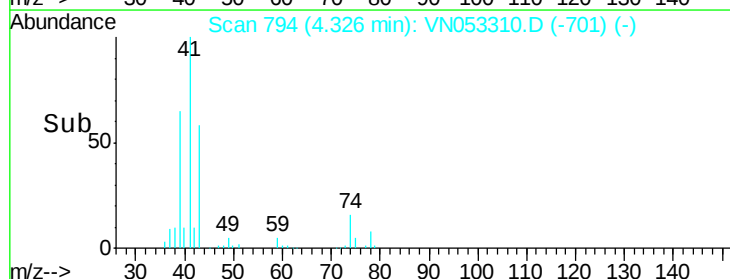
0

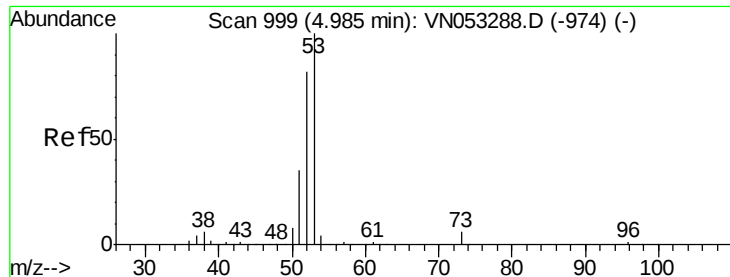
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 92.975 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

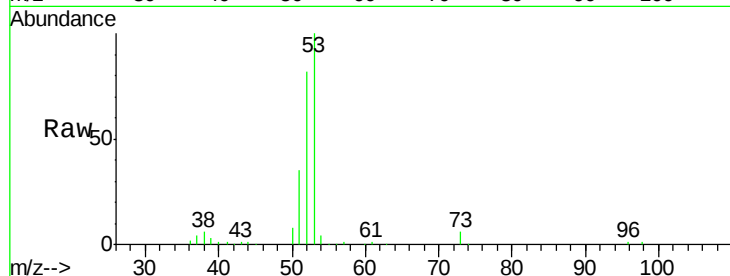
Tot Ion: 53 Resp: 328663

Ion Ratio Lower Upper

53 100

52 82.3 65.2 97.8

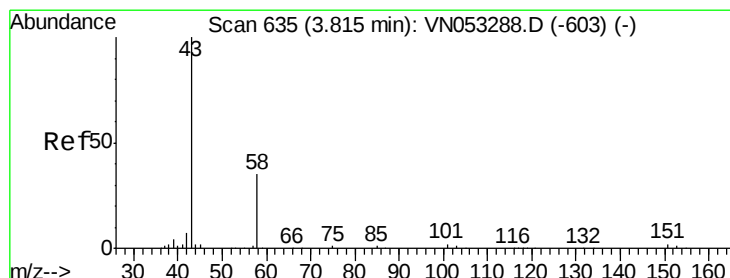
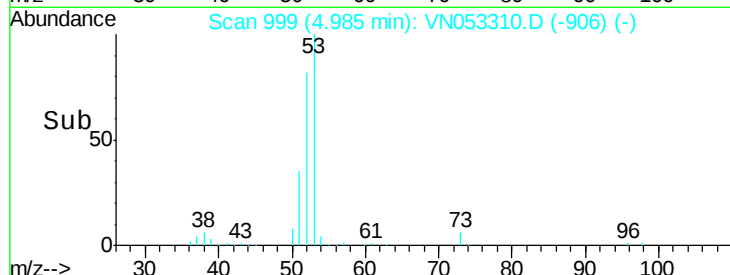
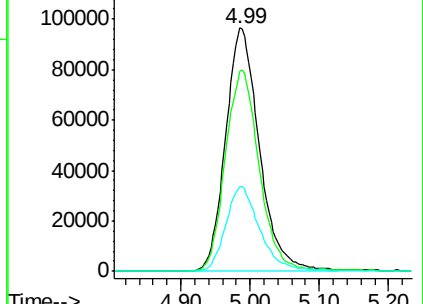
51 35.1 28.0 42.0



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: 92.784 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053310.D

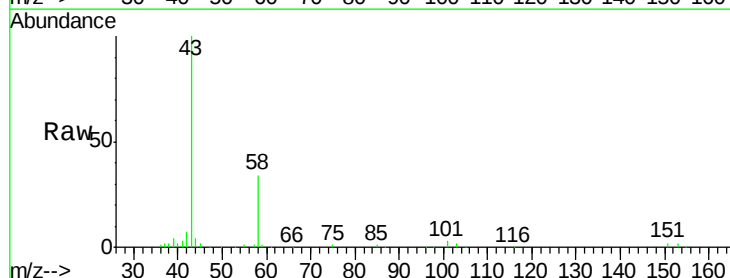
Acq: 8 Jan 2019 11:30

Tgt Ion: 43 Resp: 223178

Ion Ratio Lower Upper

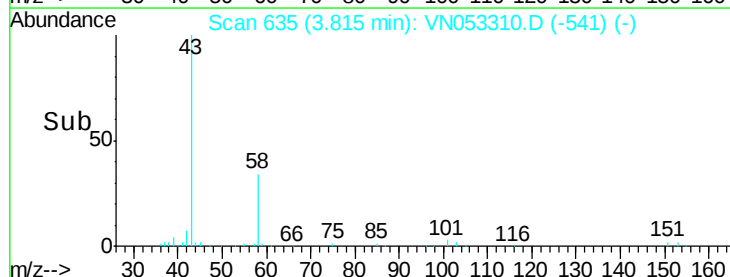
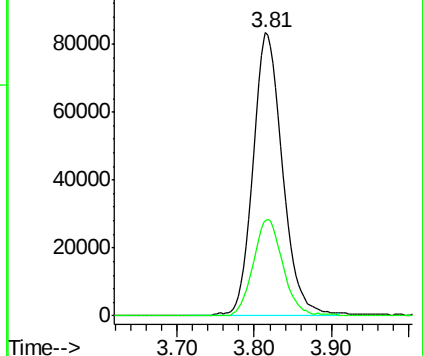
43 100

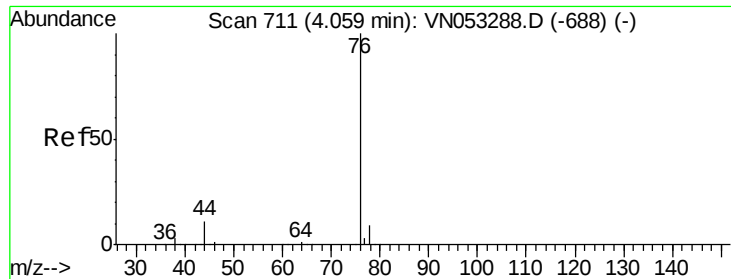
58 33.9 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

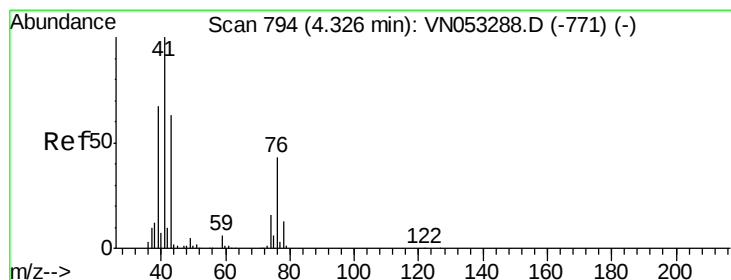
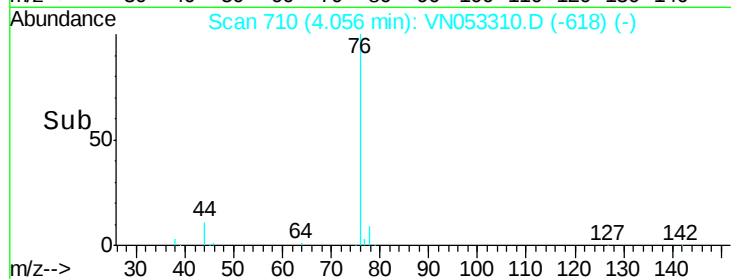
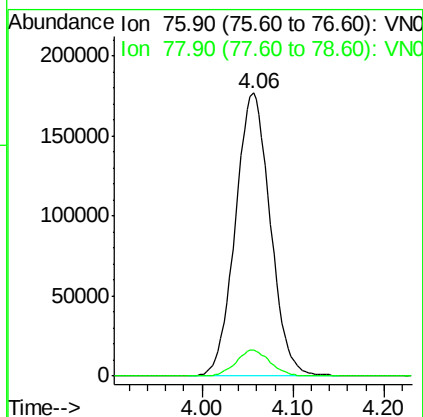
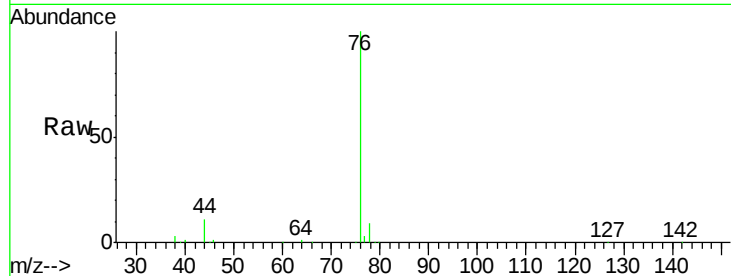




#17
Carbon Disulfide
Concen: 17.314 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

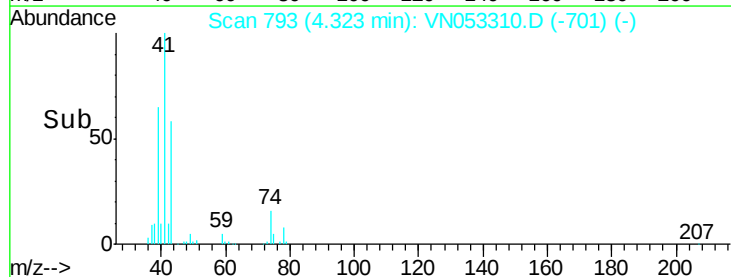
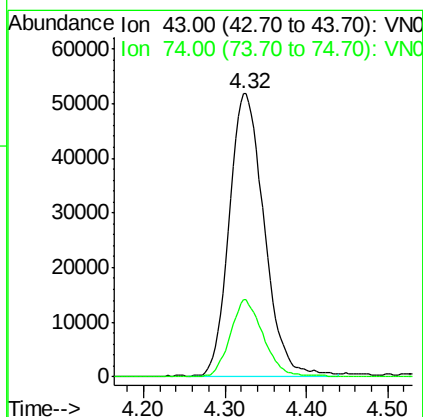
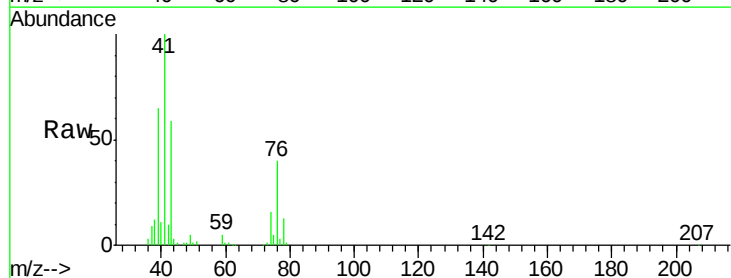
Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

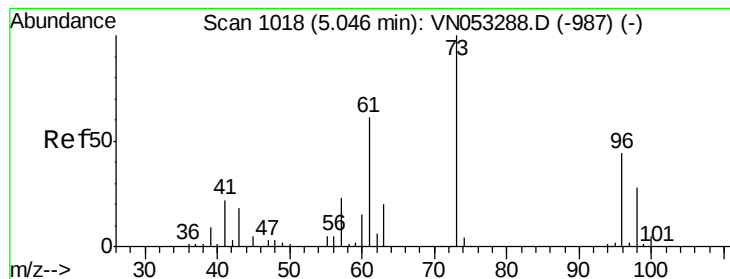
Tot Ion: 76 Resp: 471333
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 17.507 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion: 43 Resp: 155993
Ion Ratio Lower Upper
43 100
74 25.5 19.8 29.8



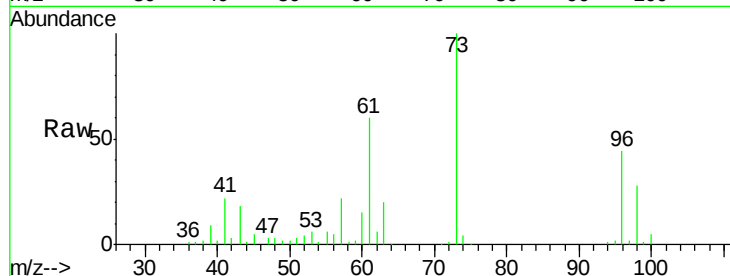


#19

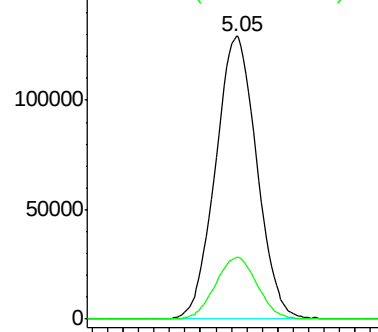
Methyl tert-butyl Ether
 Concen: 19.357 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0108MBS01

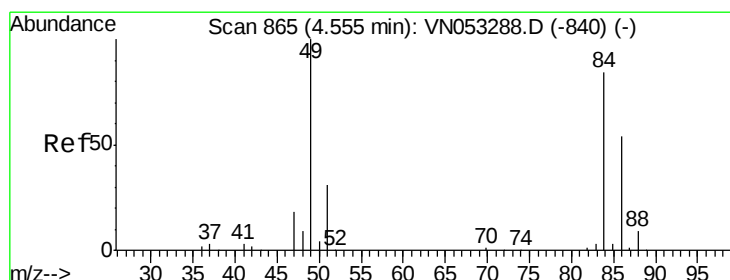
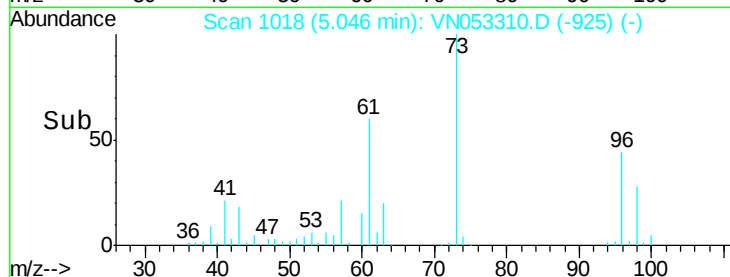
Tot Ion: 73 Resp: 479686
 Ion Ratio Lower Upper
 73 100
 57 21.8 18.5 27.7



Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



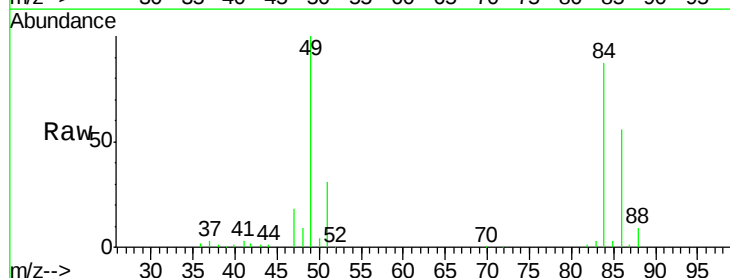
Time-->



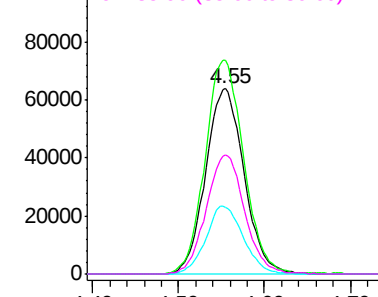
#20

Methylene Chloride
 Concen: 18.776 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

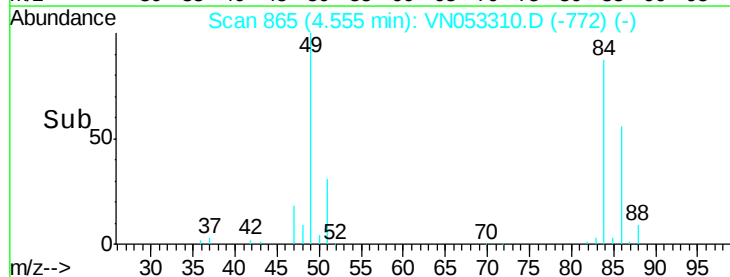
Tgt Ion: 84 Resp: 198532
 Ion Ratio Lower Upper
 84 100
 49 115.1 95.3 142.9
 51 36.0 29.0 43.6
 86 63.9 51.7 77.5

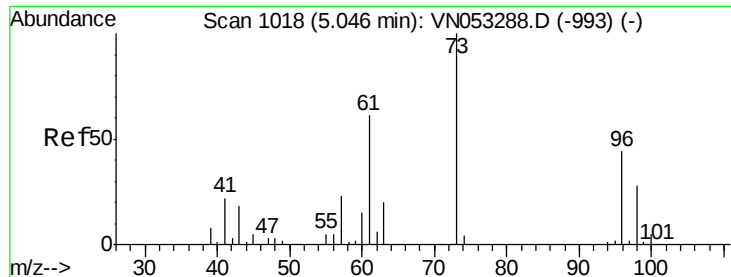


Abundance Ion 83.90 (83.60 to 84.60): VN0
 Ion 48.90 (48.60 to 49.60): VN0
 Ion 50.90 (50.60 to 51.60): VN0
 Ion 85.90 (85.60 to 86.60): VN0



Time-->





#21

trans-1,2-Dichloroethene

Concen: 19.224 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0108MBS01

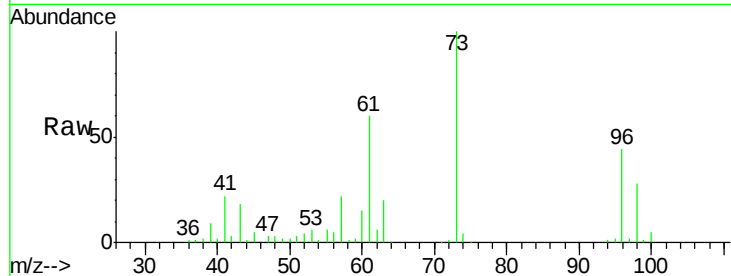
Tot Ion: 96 Resp: 182254

Ion Ratio Lower Upper

96 100

61 137.2 110.2 165.4

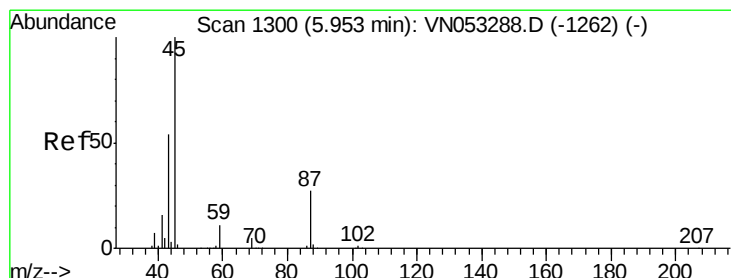
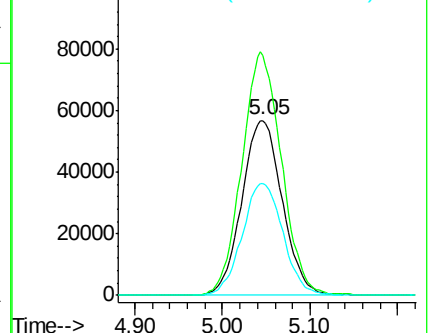
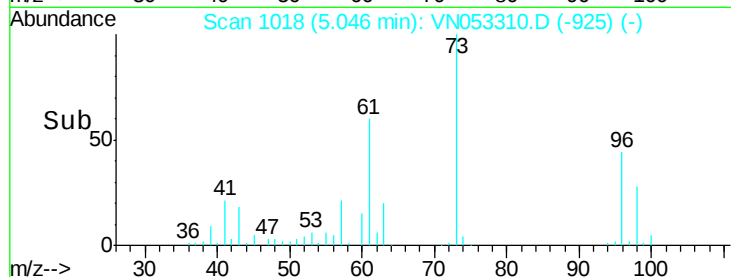
98 64.3 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VN053310.D (-925) (-)

Ion 60.90 (60.60 to 61.60): VN053310.D (-925) (-)

Ion 97.90 (97.60 to 98.60): VN053310.D (-925) (-)



#22

Diisopropyl ether

Concen: 19.324 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion: 45 Resp: 592443

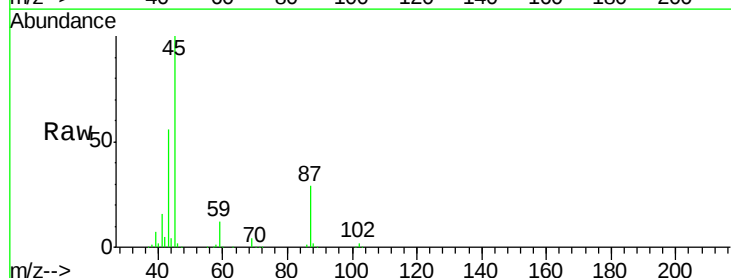
Ion Ratio Lower Upper

45 100

43 55.6 43.0 64.6

87 28.7 22.1 33.1

59 11.7 9.0 13.4

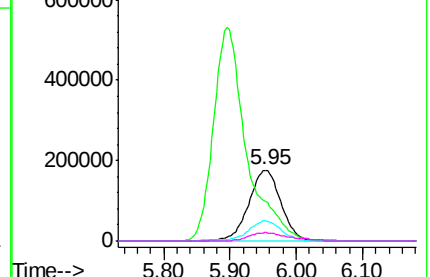
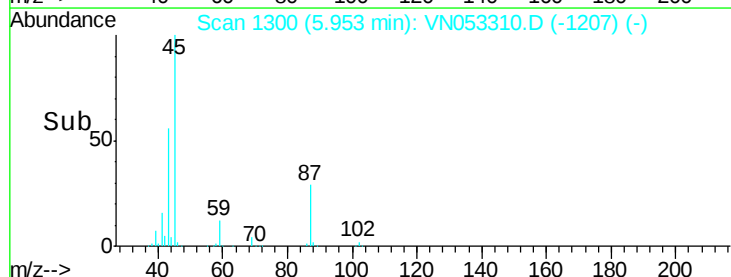


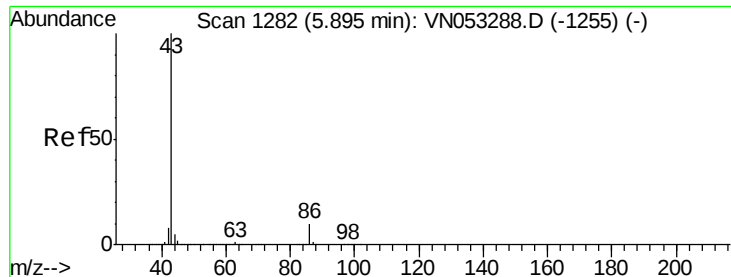
Abundance Ion 45.00 (44.70 to 45.70): VN053310.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN053310.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN053310.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN053310.D (-1207) (-)





#23

Vinyl Acetate

Concen: 95.119 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

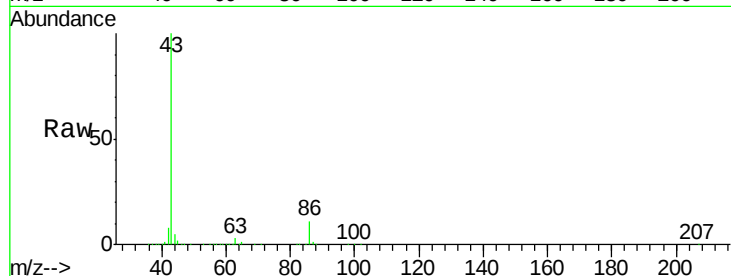
VN0108MBS01

Tot Ion: 43 Resp: 1834902

Ion Ratio Lower Upper

43 100

86 11.0 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN053310.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN053310.D (-1189) (-)

5.90

600000

500000

400000

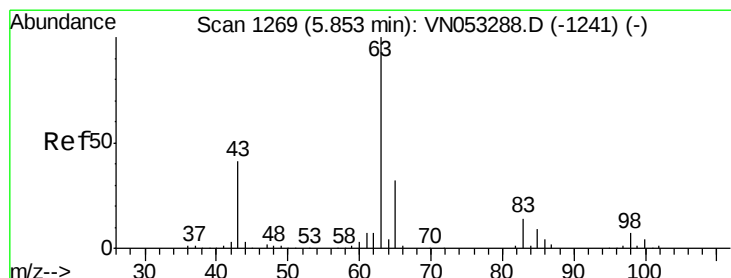
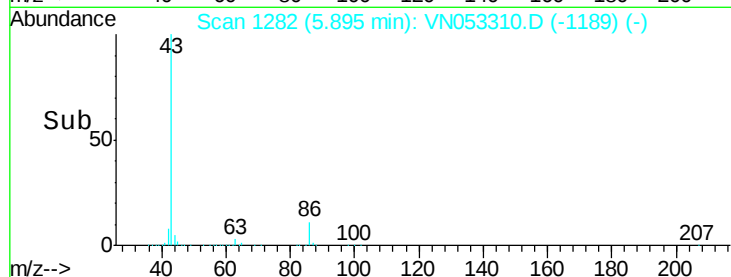
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.389 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

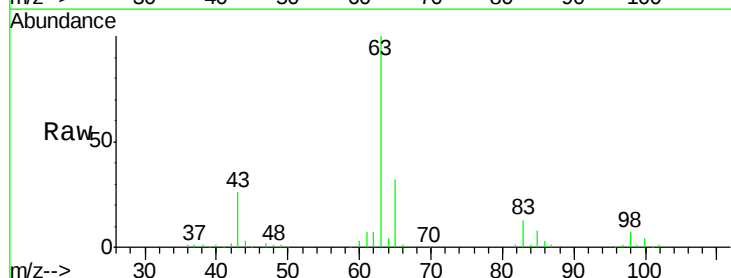
Tgt Ion: 63 Resp: 342834

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.0 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN053310.D (-1176) (-)

Ion 97.90 (97.60 to 98.60): VN053310.D (-1176) (-)

Ion 99.90 (99.60 to 100.60): VN053310.D (-1176) (-)

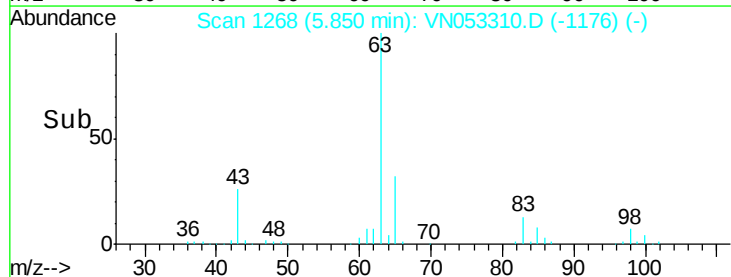
5.85

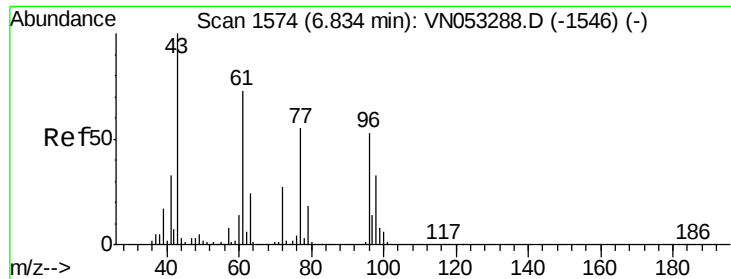
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 91.023 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

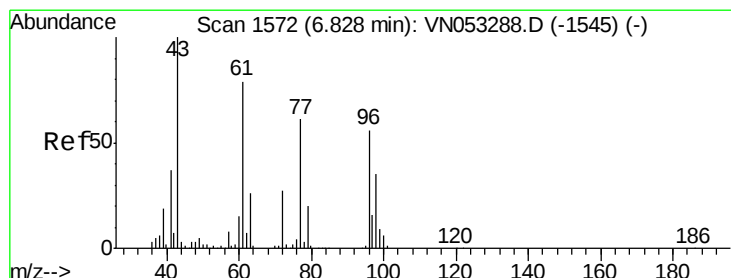
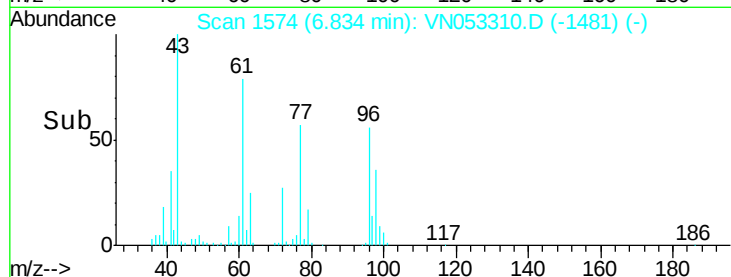
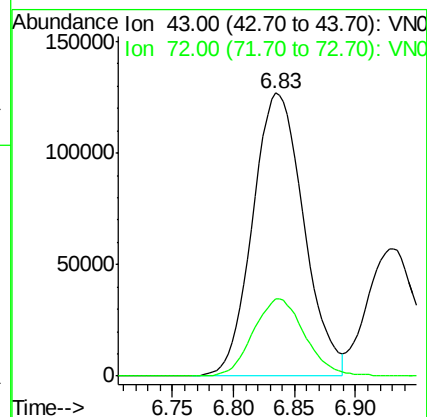
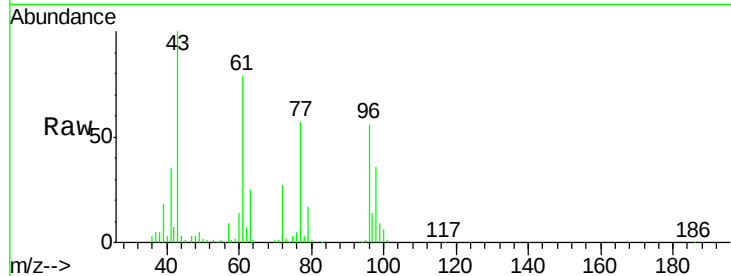
VN0108MBS01

Tot Ion: 43 Resp: 367650

Ion Ratio Lower Upper

43 100

72 27.3 22.0 33.0



#26

2,2-Dichloropropane

Concen: 18.954 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053310.D

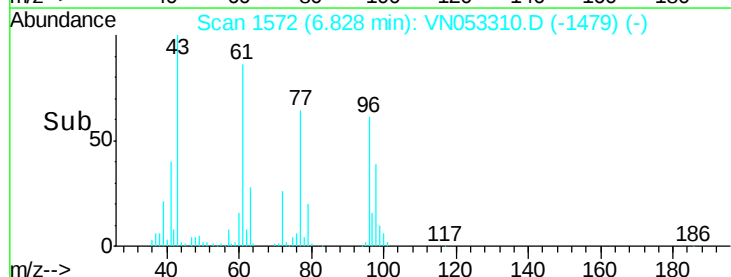
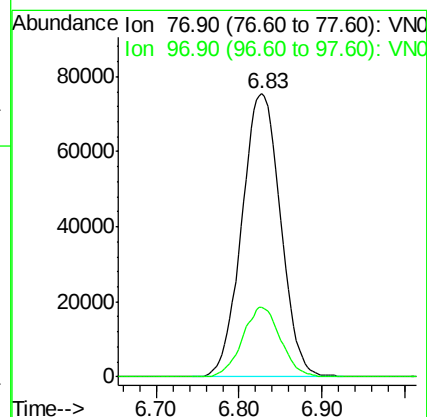
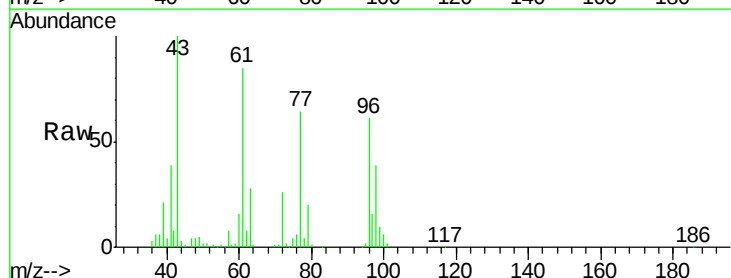
Acq: 8 Jan 2019 11:30

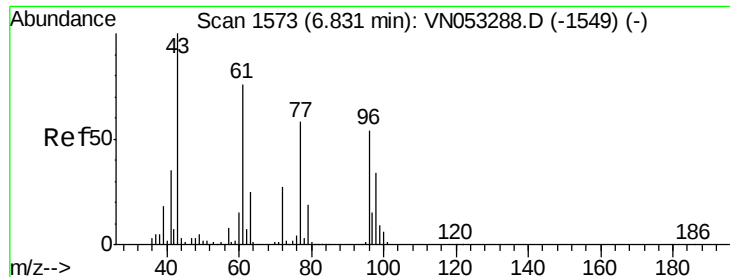
Tgt Ion: 77 Resp: 244986

Ion Ratio Lower Upper

77 100

97 24.1 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 19.396 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0108MBS01

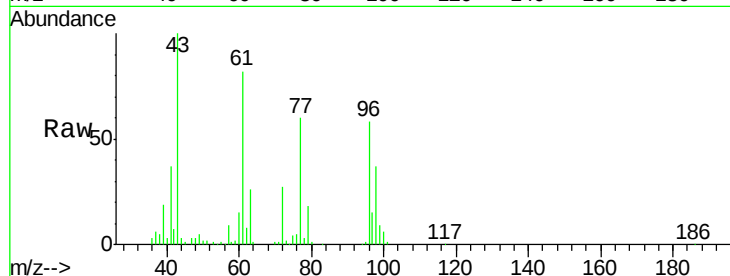
Tot Ion: 96 Resp: 209990

Ion Ratio Lower Upper

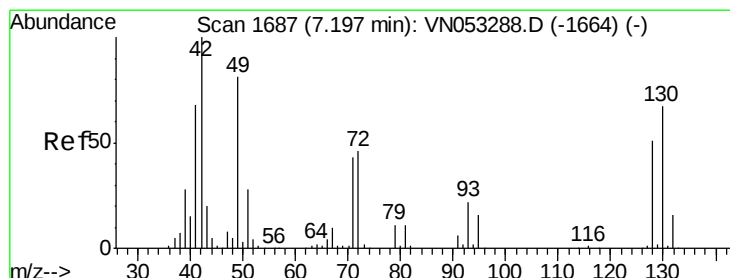
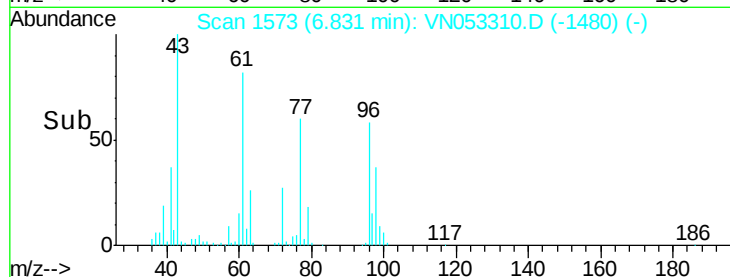
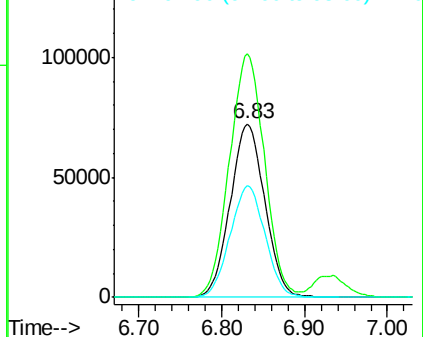
96 100

61 142.3 0.0 280.6

98 65.0 0.0 127.6



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



#28

Bromochloromethane

Concen: 20.121 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

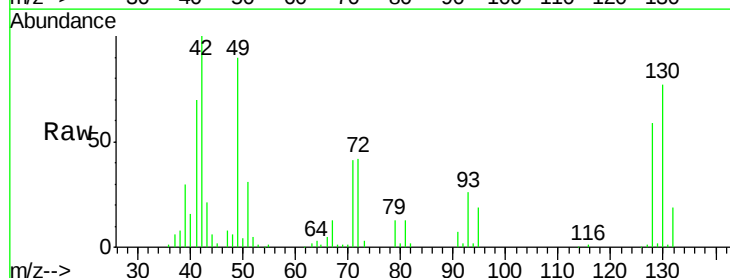
Tgt Ion: 49 Resp: 151611

Ion Ratio Lower Upper

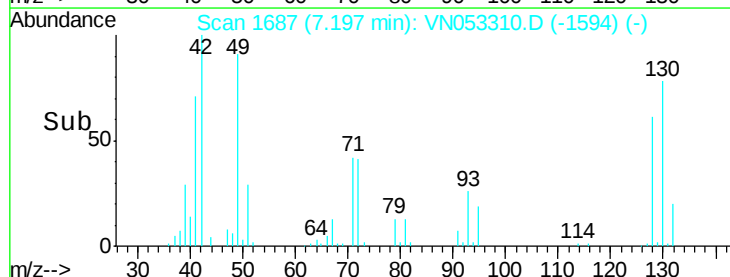
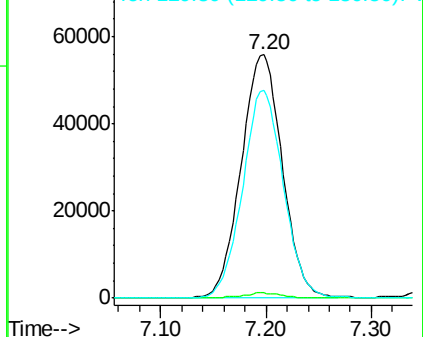
49 100

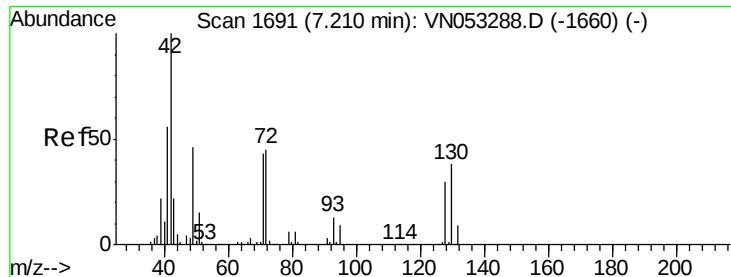
129 2.0 0.0 3.8

130 84.5 65.4 98.0



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

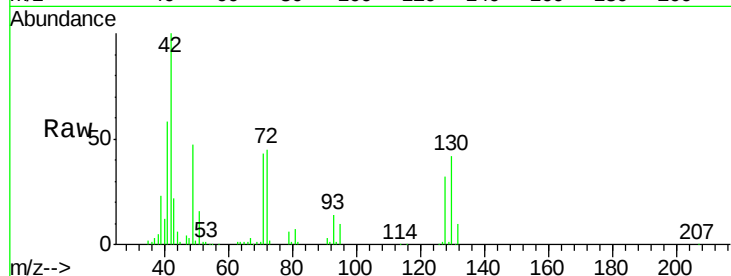




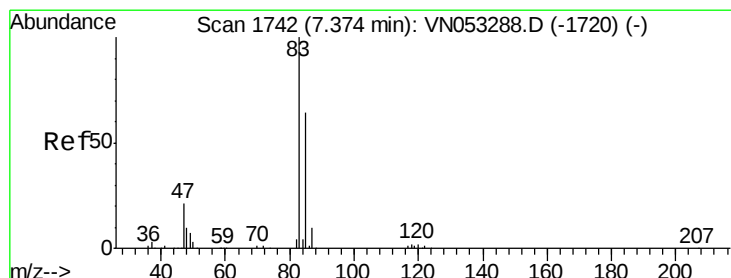
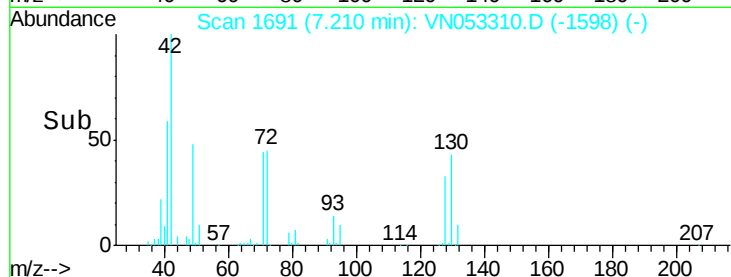
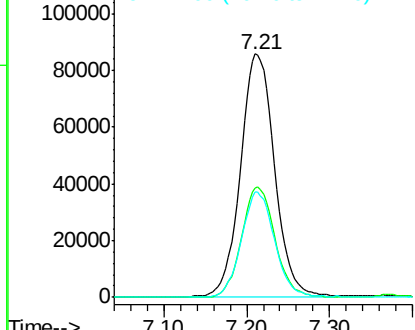
#29
Tetrahydrofuran
Concen: 92.499 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0108MBS01

Tot Ion: 42 Resp: 246548
Ion Ratio Lower Upper
42 100
72 44.2 35.6 53.4
71 41.8 33.8 50.8

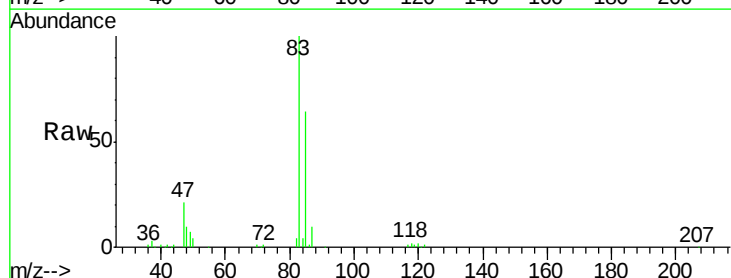


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

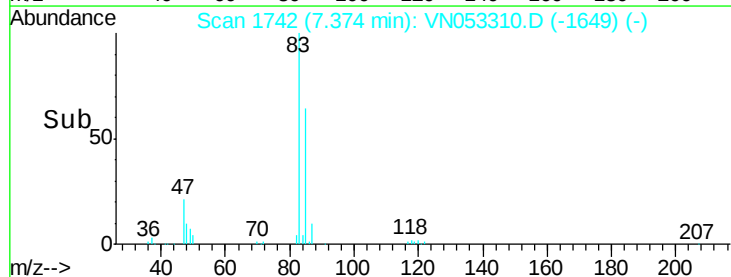
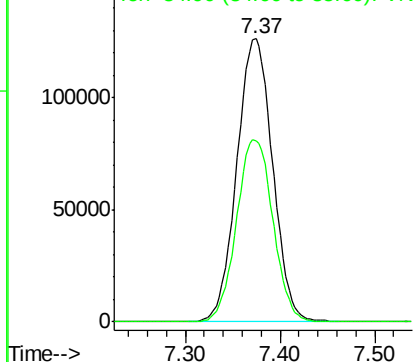


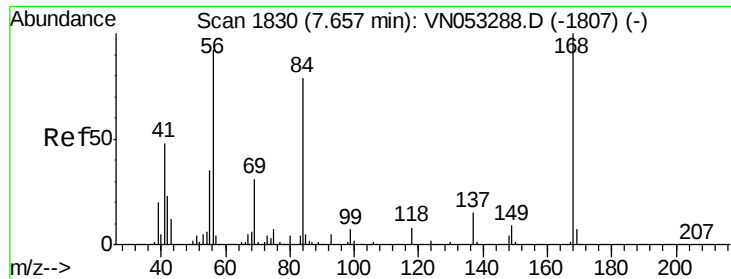
#30
Chloroform
Concen: 19.092 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion: 83 Resp: 332274
Ion Ratio Lower Upper
83 100
85 64.1 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.229 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0108MBS01

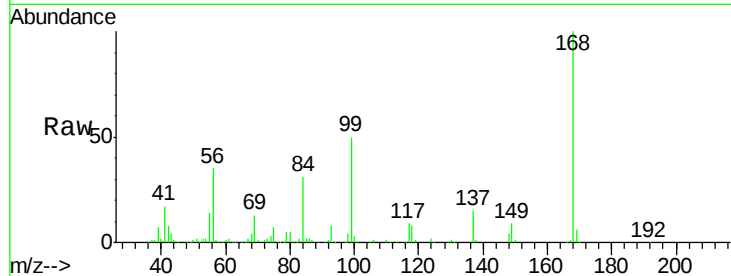
Tot Ion: 56 Resp: 325118

Ion Ratio Lower Upper

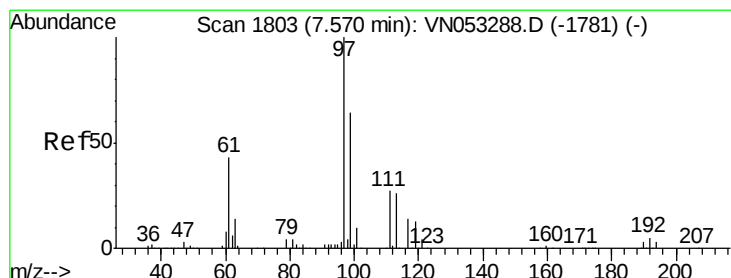
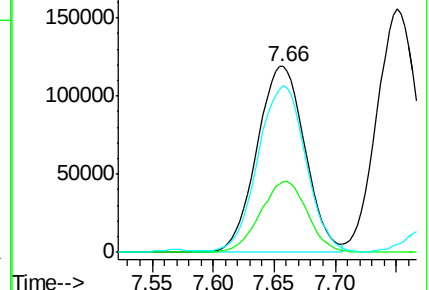
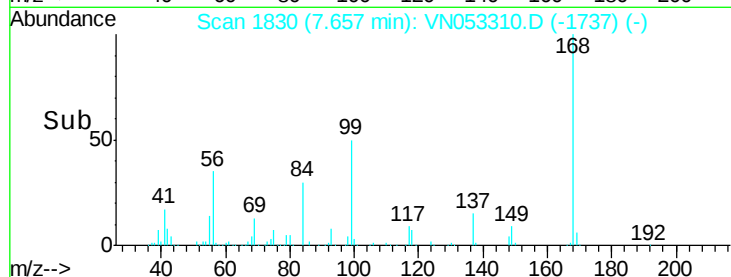
56 100

69 38.0 26.7 40.1

84 88.5 68.2 102.4



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



#32

1,1,1-Trichloroethane

Concen: 19.116 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

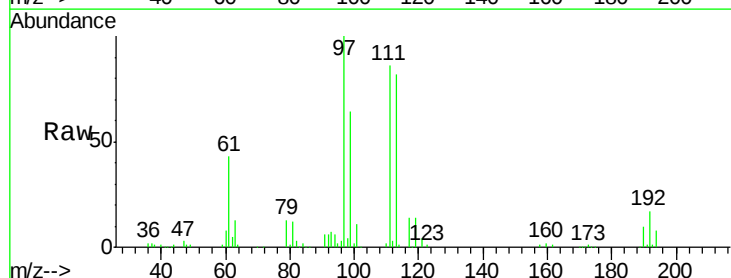
Tgt Ion: 97 Resp: 277237

Ion Ratio Lower Upper

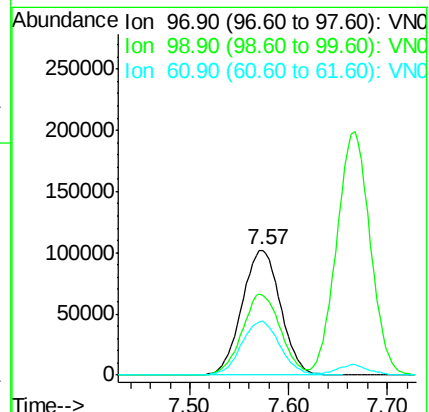
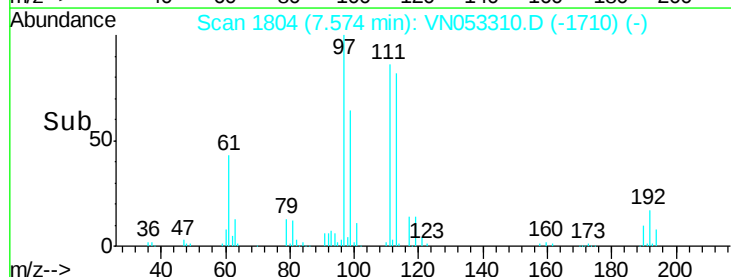
97 100

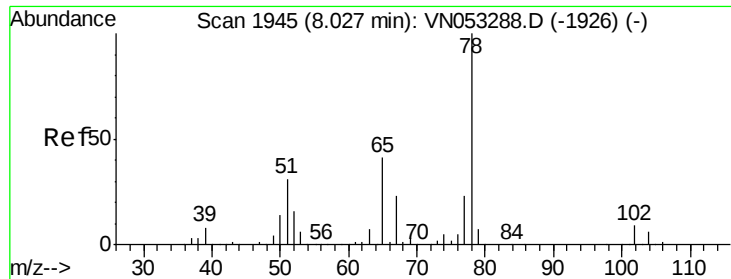
99 64.1 51.6 77.4

61 42.9 34.6 52.0



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





#33

1,2-Dichloroethane-d4

Concen: 19.116 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

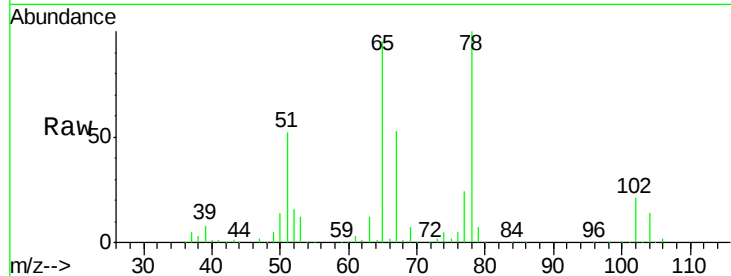
VN0108MBS01

Tot Ion: 65 Resp: 464321

Ion Ratio Lower Upper

65 100

67 55.8 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN053310.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053310.D (-1852) (-)

8.03

200000

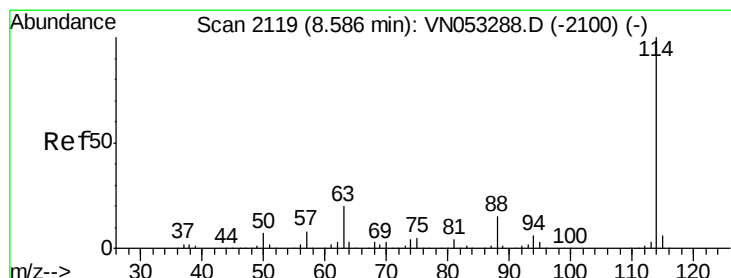
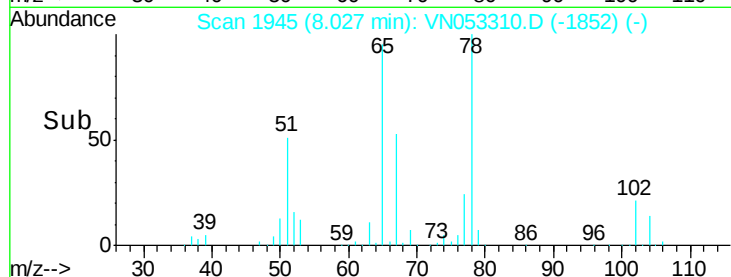
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

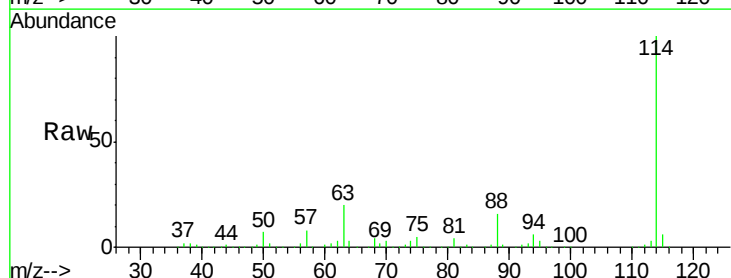
Tgt Ion: 114 Resp: 1458074

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

88 15.8 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN053310.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053310.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053310.D (-2026) (-)

8.59

800000

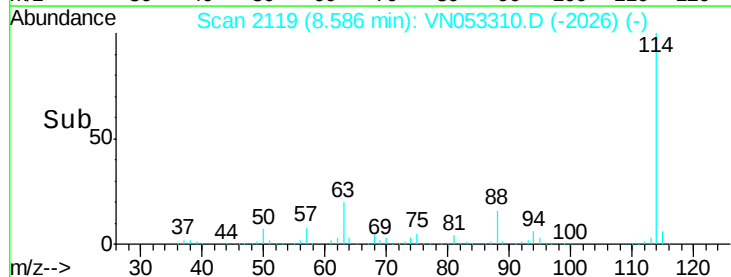
600000

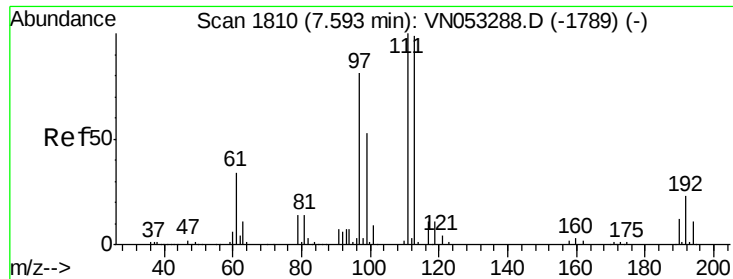
400000

200000

0

Time-->

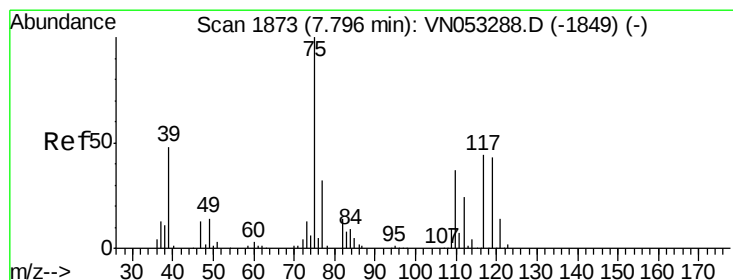
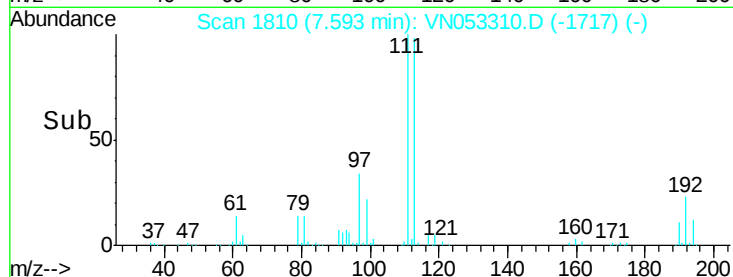
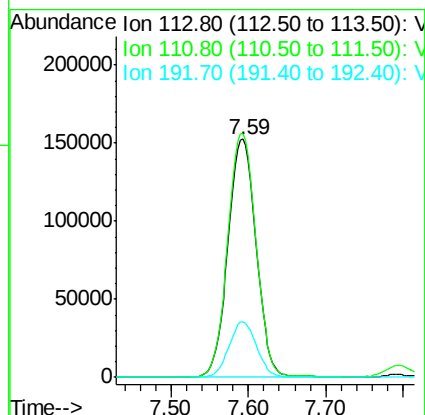
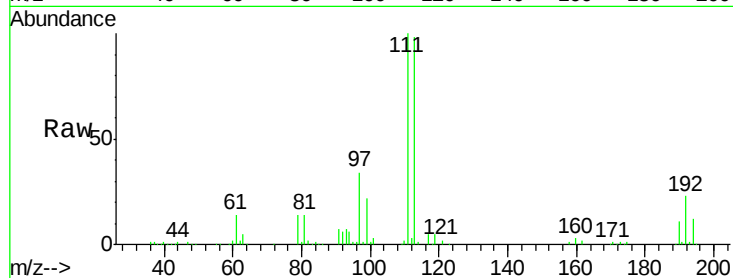




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

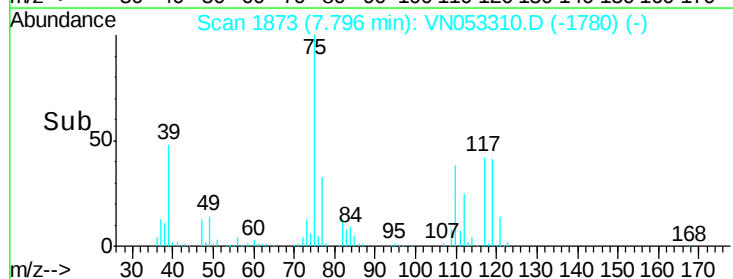
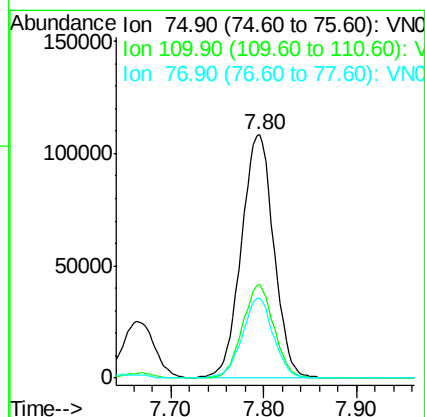
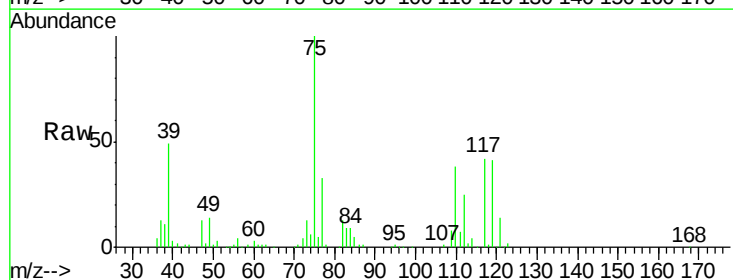
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBS01

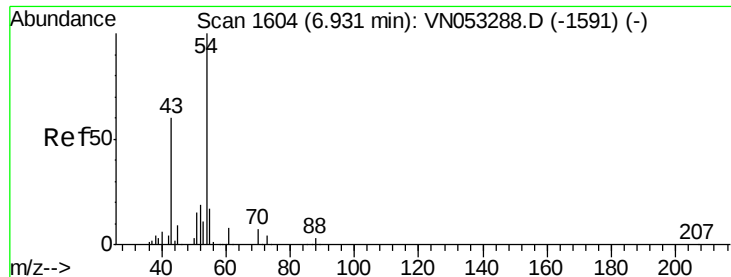
Tot Ion:113 Resp: 386111
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.4 122.2
 192 22.7 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 19.265 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Tgt Ion: 75 Resp: 262238
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.4 55.0
 77 31.9 25.3 37.9

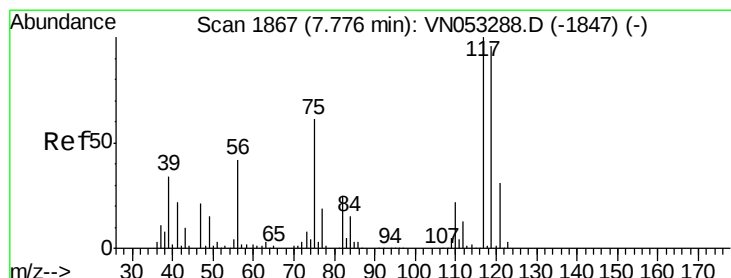
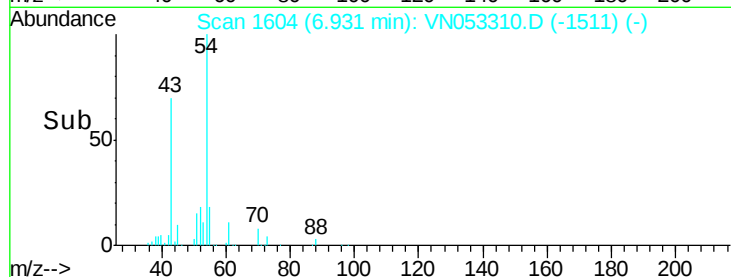
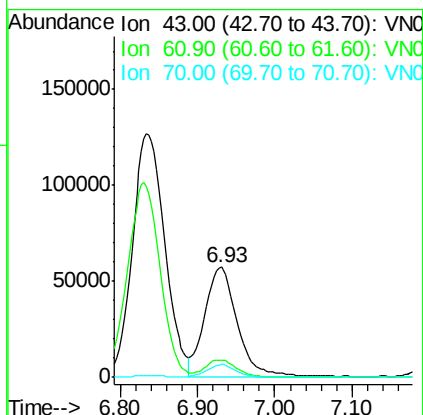
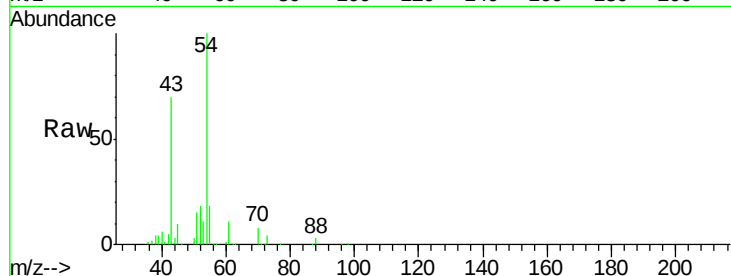




#37
Ethyl Acetate
Concen: 18.913 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

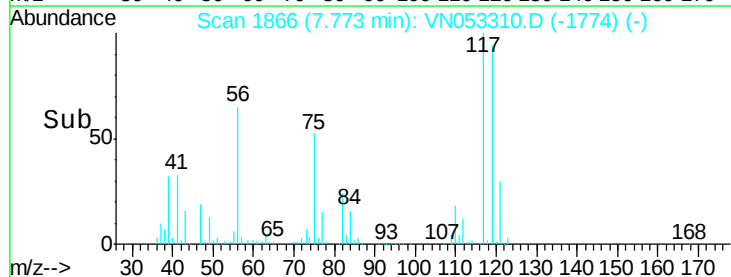
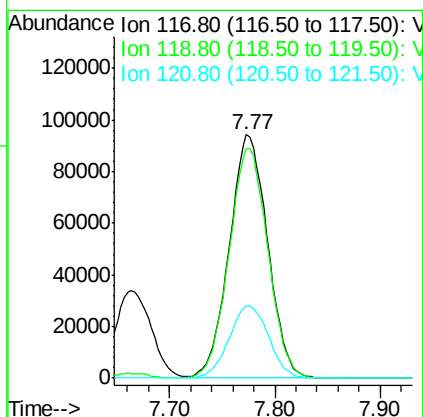
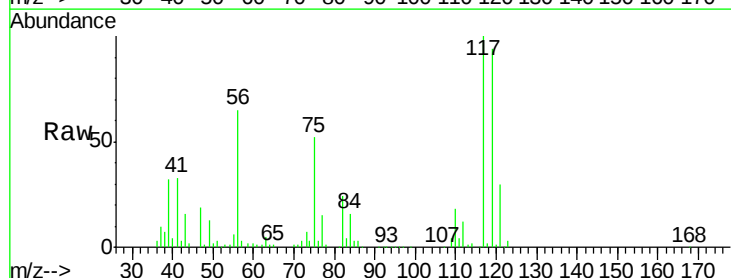
Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

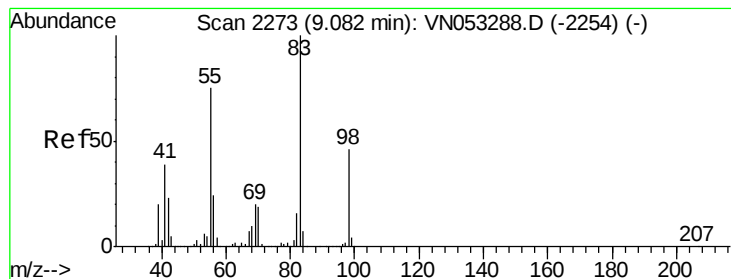
Tot Ion: 43 Resp: 167686
Ion Ratio Lower Upper
43 100
61 15.0 11.9 17.9
70 10.8 8.6 13.0



#38
Carbon Tetrachloride
Concen: 18.811 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion: 117 Resp: 236337
Ion Ratio Lower Upper
117 100
119 94.5 76.6 115.0
121 29.7 25.0 37.4

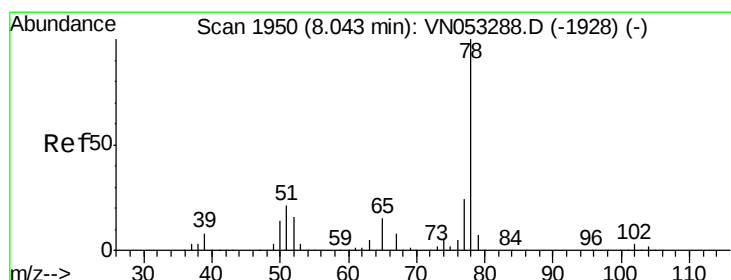
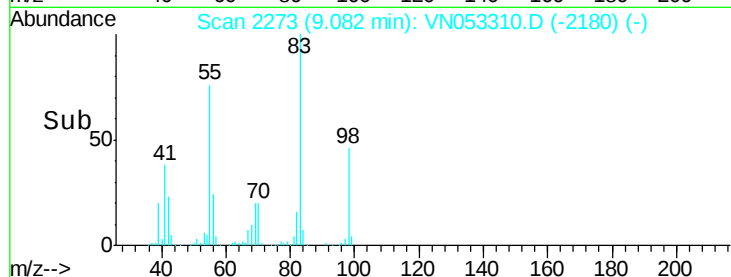
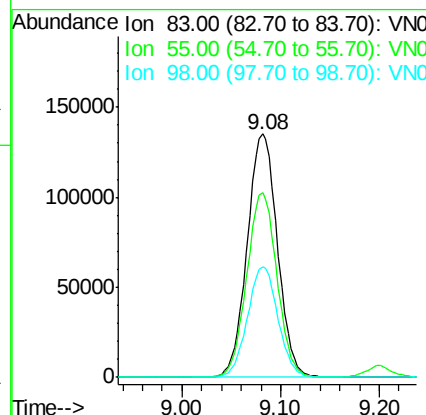
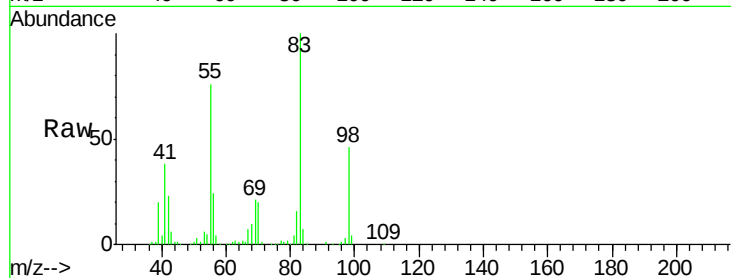




#39
Methvlcvclohexane
Concen: 18.143 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

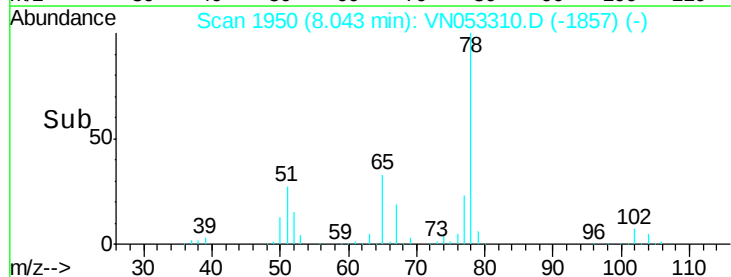
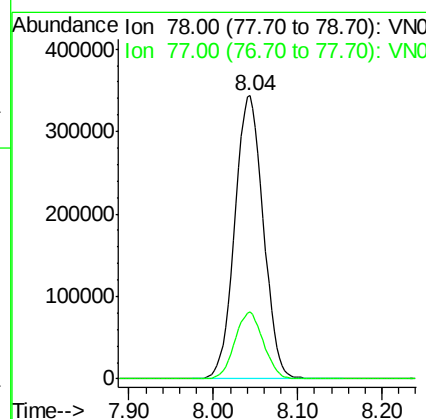
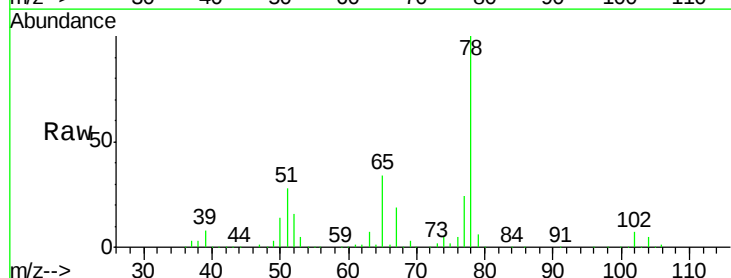
Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

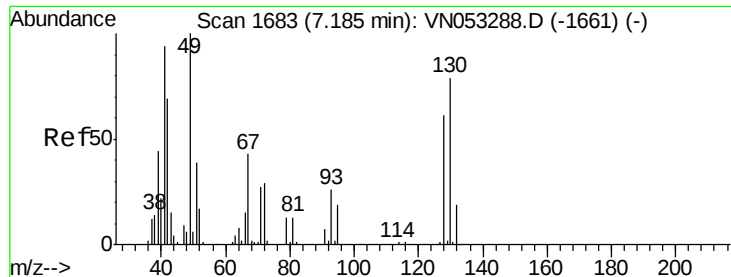
Tot Ion: 83 Resp: 286105
Ion Ratio Lower Upper
83 100
55 75.6 60.1 90.1
98 45.6 36.7 55.1



#40
Benzene
Concen: 19.445 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion: 78 Resp: 808502
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4

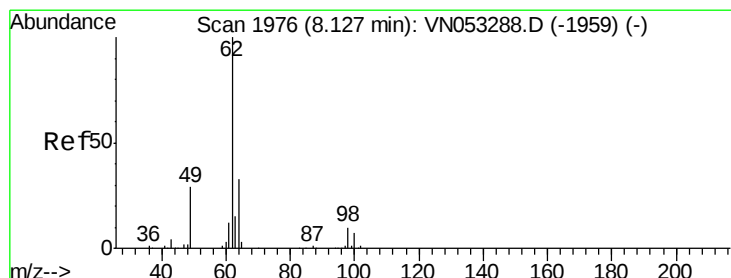
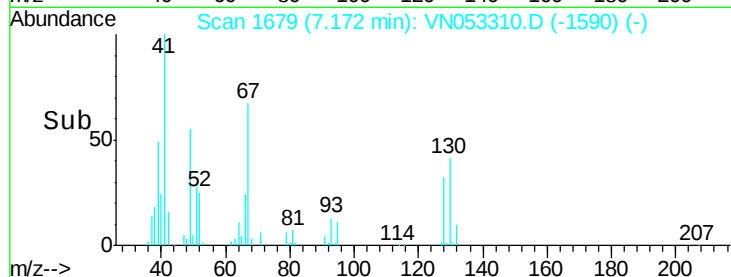
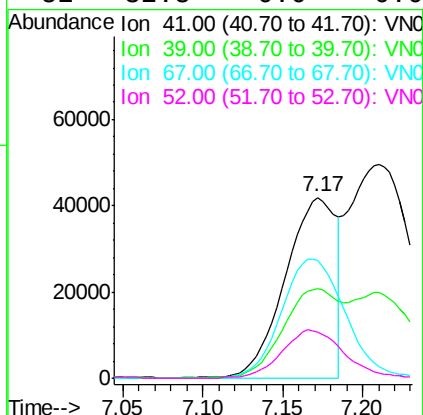
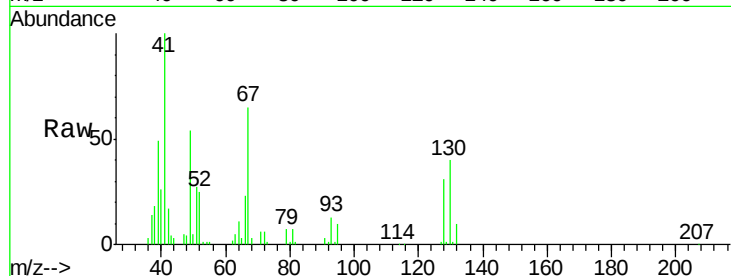




#41
Methacrylonitrile
Concen: 16.905 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

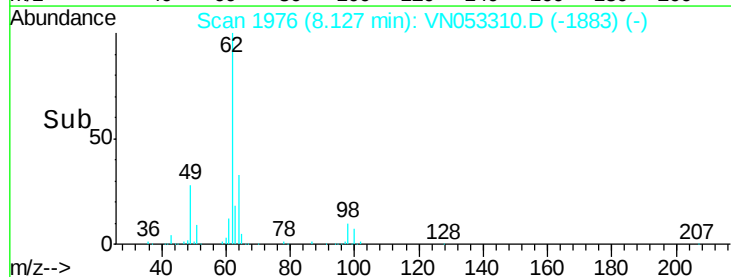
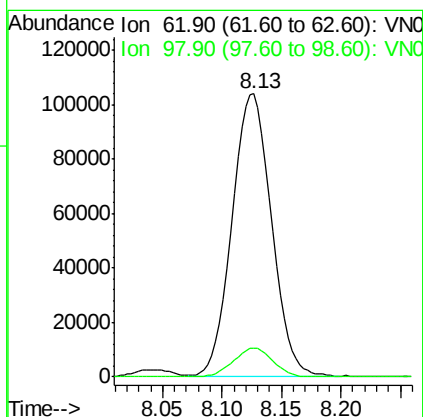
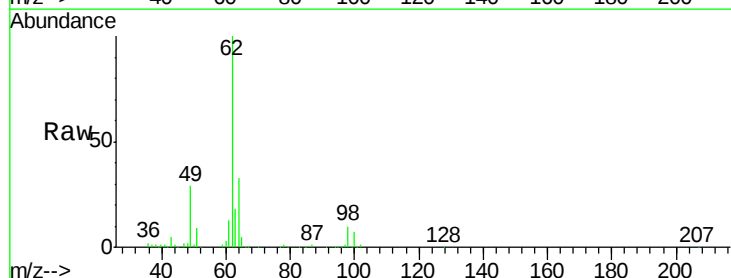
Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

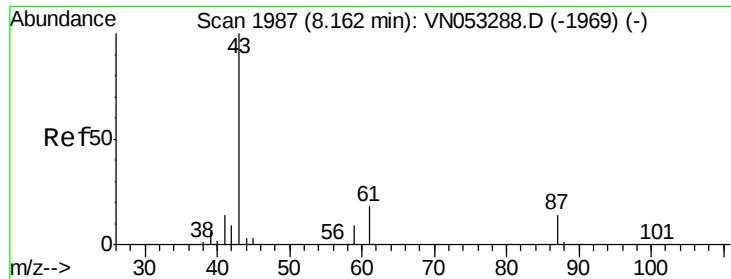
Tot Ion: 41 Resp: 93056
Ion Ratio Lower Upper
41 100
39 55.0 0.0 0.0#
67 83.0 0.0 0.0#
52 32.8 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.303 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion: 62 Resp: 238074
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.2





#43

Isopropyl Acetate

Concen: 17.444 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

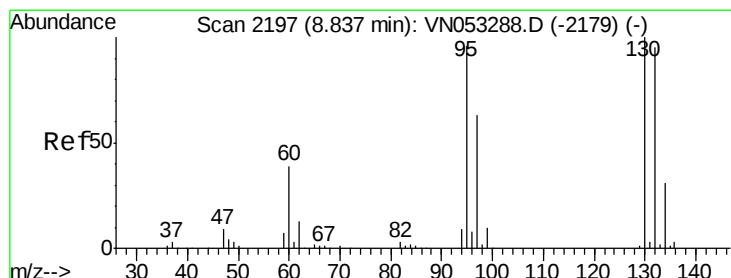
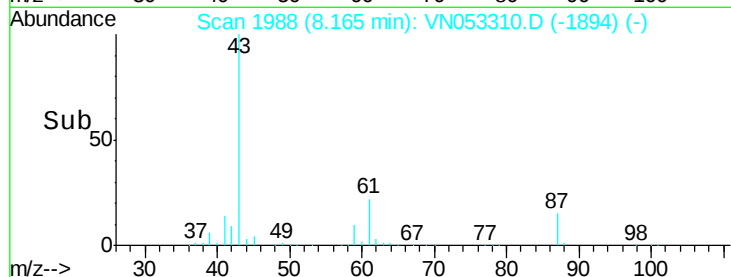
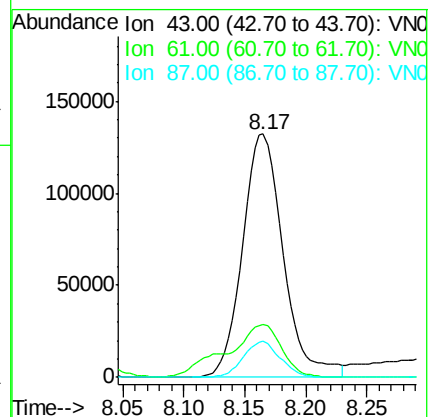
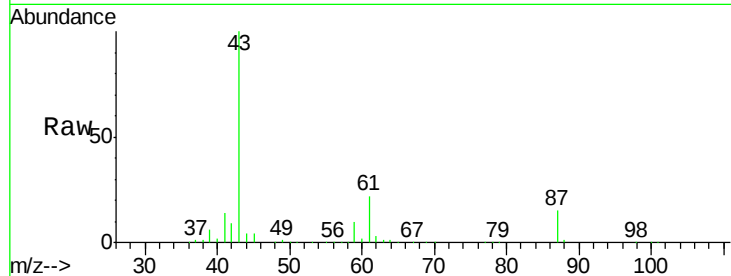
Tot Ion: 43 Resp: 304268

Ion Ratio Lower Upper

43 100

61 28.8 23.3 34.9

87 13.4 10.8 16.2



#44

Trichloroethene

Concen: 19.335 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053310.D

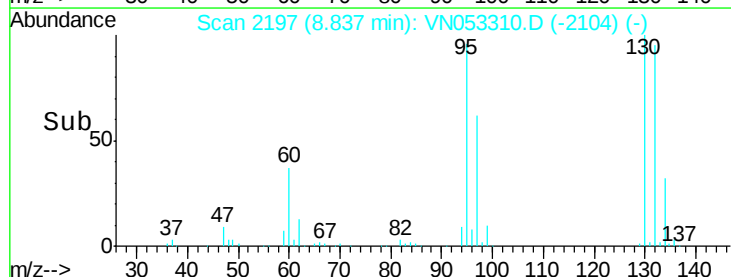
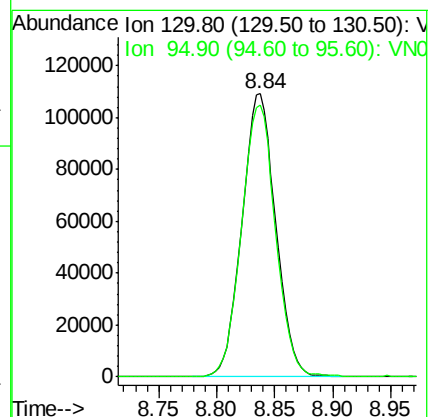
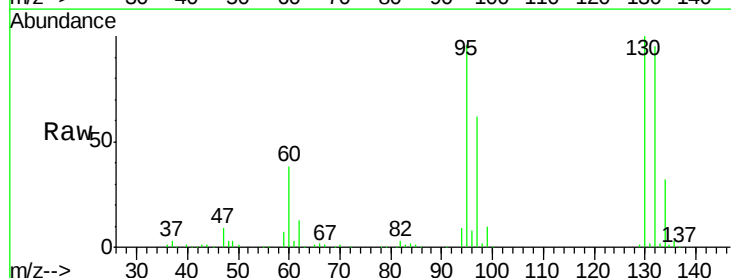
Acq: 8 Jan 2019 11:30

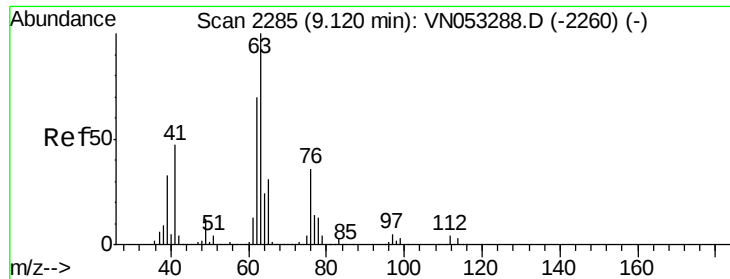
Tgt Ion:130 Resp: 220753

Ion Ratio Lower Upper

130 100

95 95.9 0.0 191.8





#45

1,2-Dichloropropane

Concen: 19.360 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

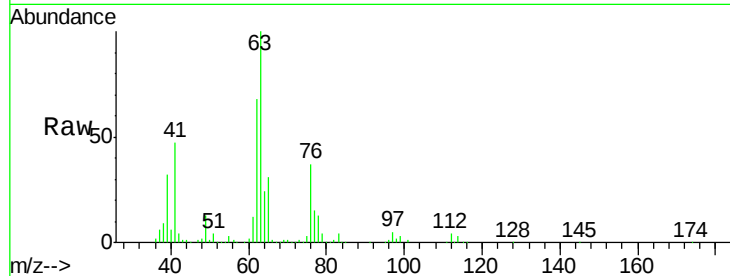
VN0108MBS01

Tot Ion: 63 Resp: 211134

Ion Ratio Lower Upper

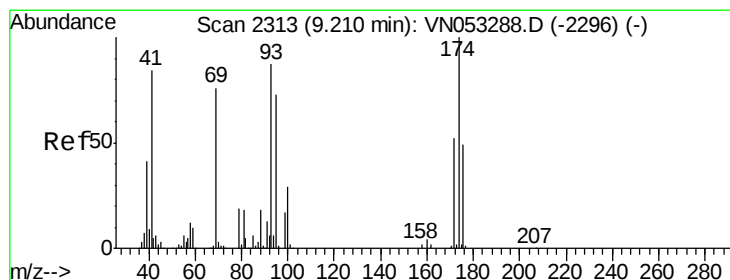
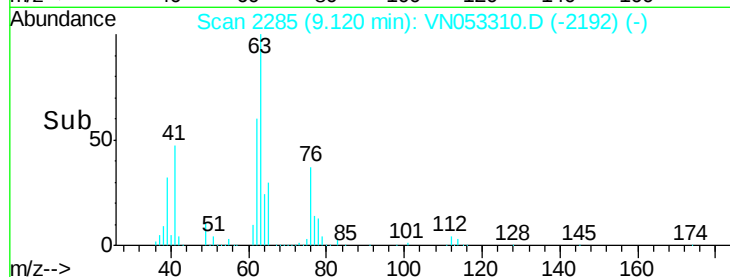
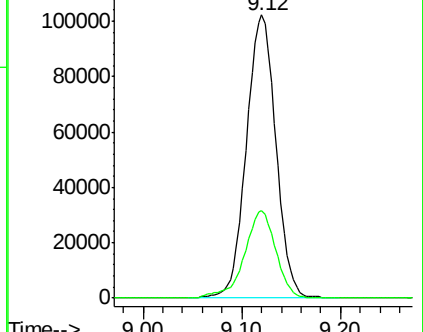
63 100

65 31.1 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN053310.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN053310.D (-2192) (-)



#46

Dibromomethane

Concen: 19.242 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

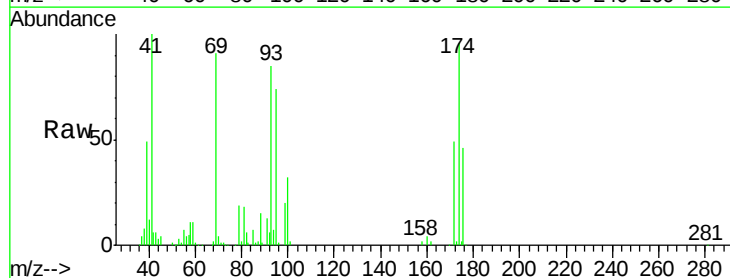
Tgt Ion: 93 Resp: 122351

Ion Ratio Lower Upper

93 100

95 84.9 66.6 100.0

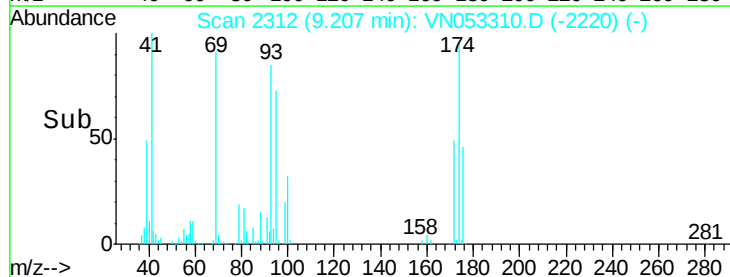
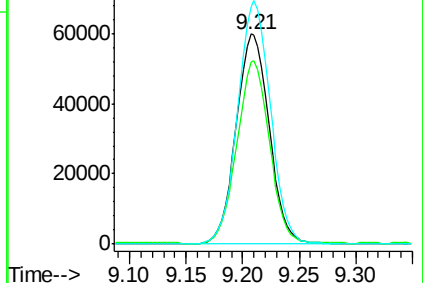
174 114.4 91.4 137.0

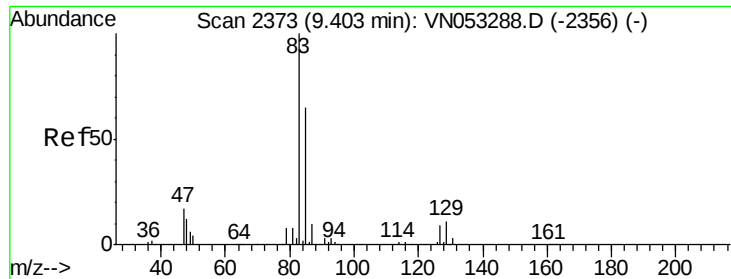


Abundance Ion 92.80 (92.50 to 93.50): VN053310.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN053310.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN053310.D (-2220) (-)





#47

Bromodichloromethane

Concen: 18.658 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

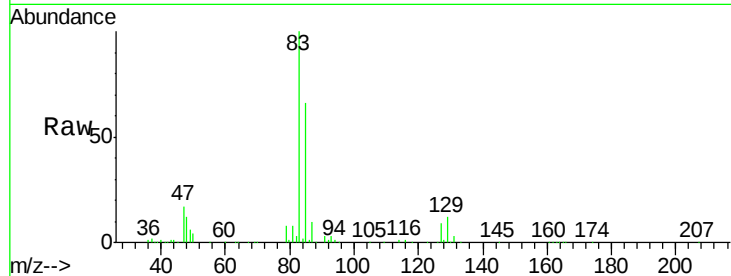
Tot Ion: 83 Resp: 247229

Ion Ratio Lower Upper

83 100

85 65.9 51.7 77.5

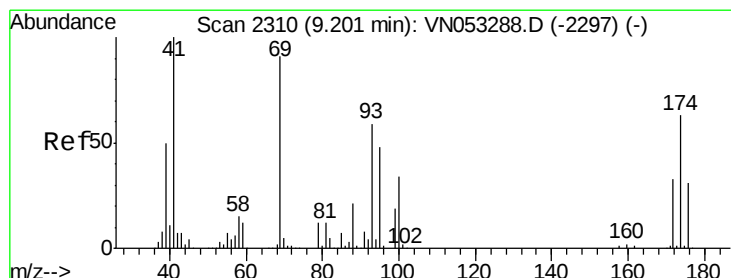
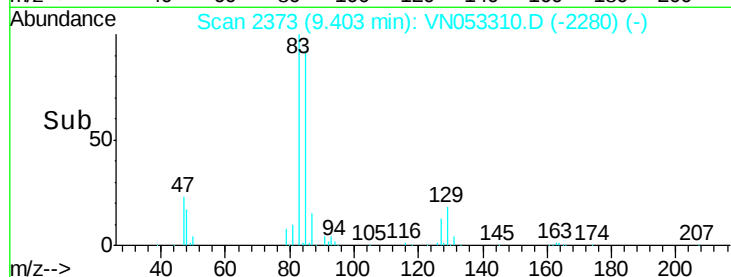
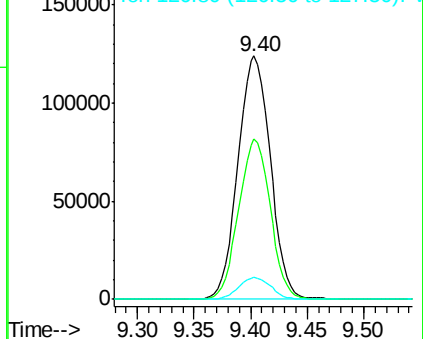
127 9.1 7.0 10.6



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: 18.979 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

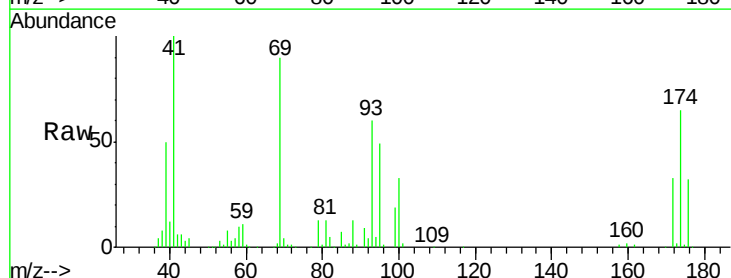
Tgt Ion: 41 Resp: 150394

Ion Ratio Lower Upper

41 100

69 93.9 73.5 110.3

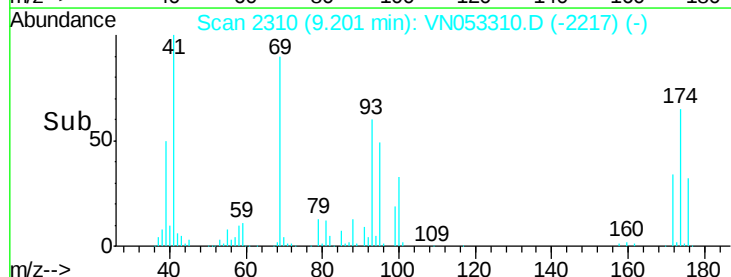
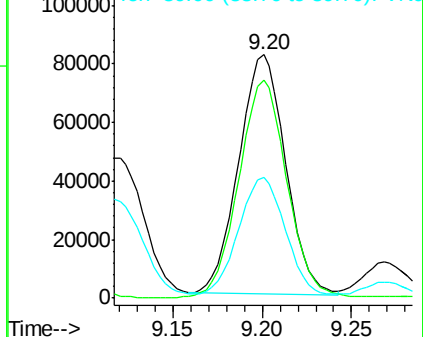
39 51.6 41.6 62.4

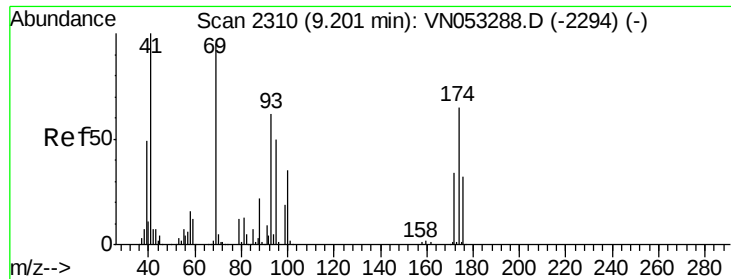


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

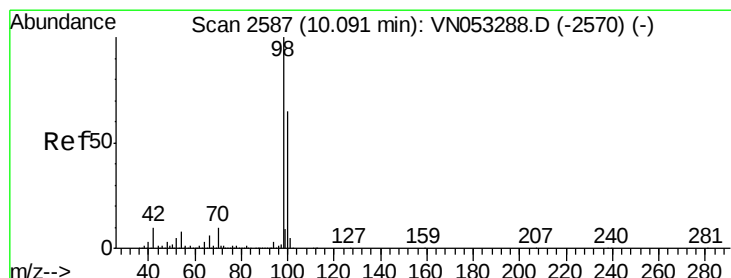
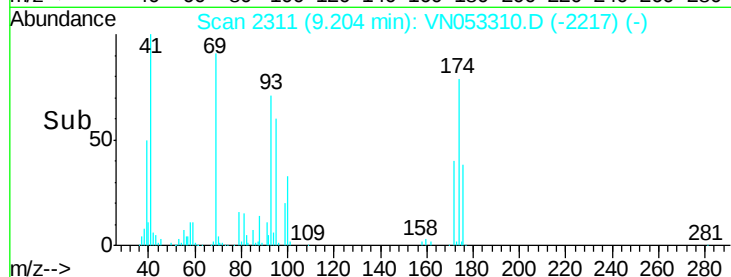
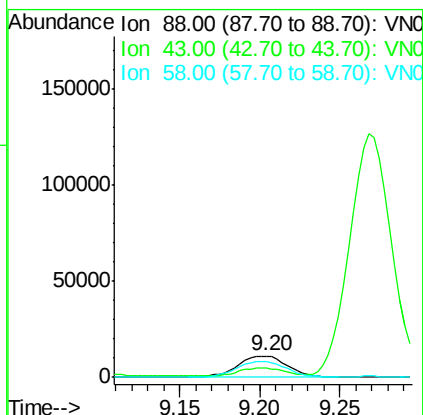
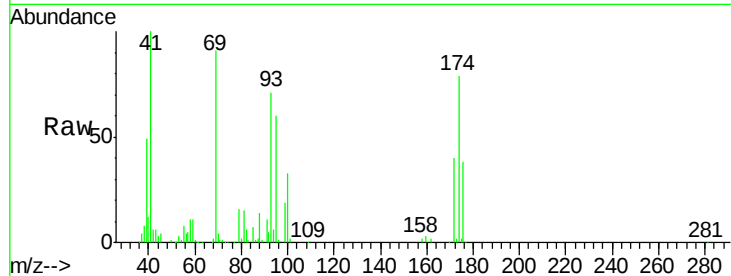




#49
1,4-Dioxane
Concen: 281.212 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

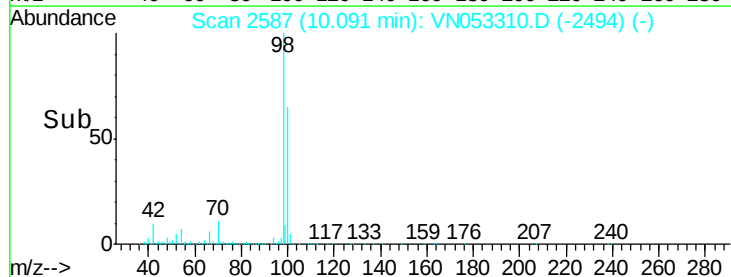
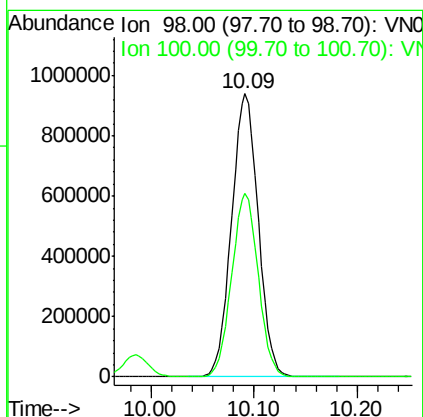
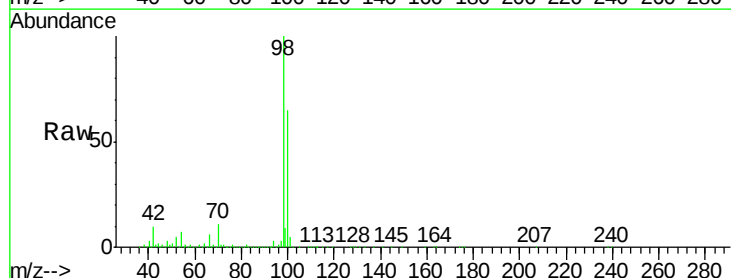
Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

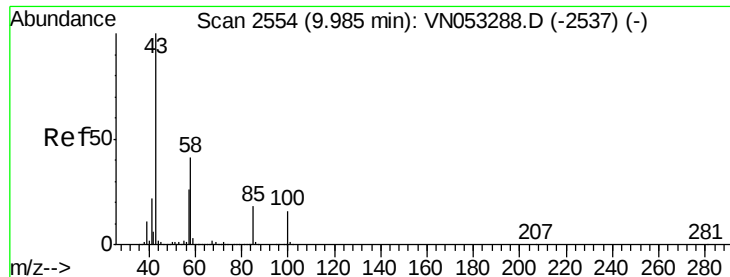
Tot Ion: 88 Resp: 23742
Ion Ratio Lower Upper
88 100
43 37.0 26.2 39.4
58 75.1 55.5 83.3



#50
Toluene-d8
Concen: 281.212 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion: 98 Resp: 1693520
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 94.762 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

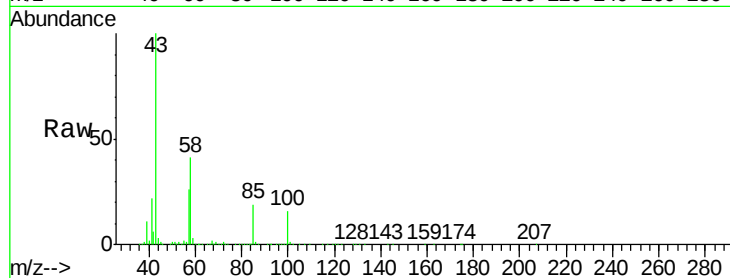
VN0108MBS01

Tot Ion: 43 Resp: 831196

Ion Ratio Lower Upper

43 100

58 41.2 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN053288.D (-2537) (-)

9.99

400000

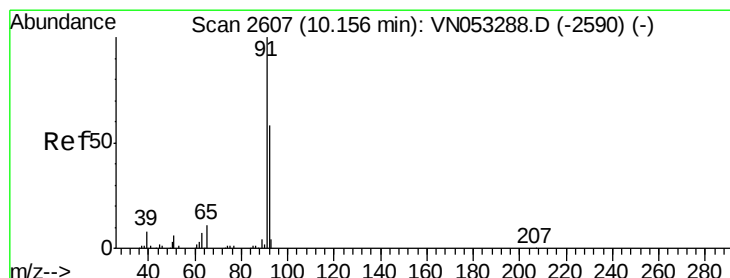
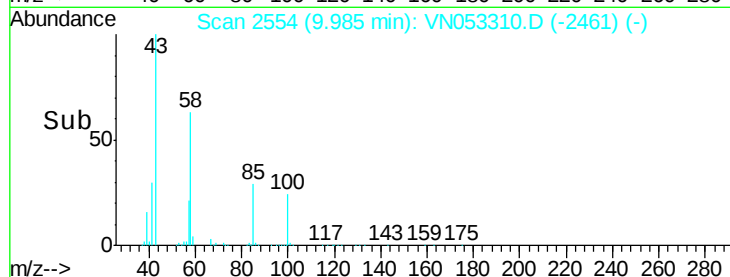
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.600 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053310.D

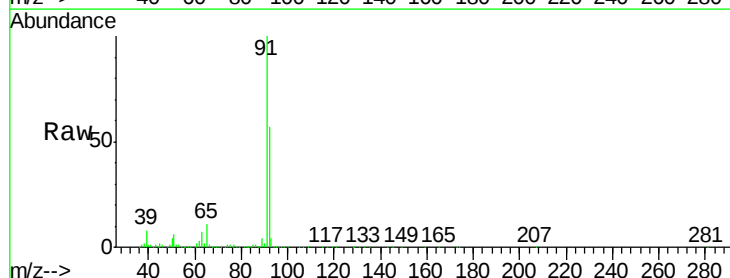
Acq: 8 Jan 2019 11:30

Tgt Ion: 92 Resp: 499982

Ion Ratio Lower Upper

92 100

91 174.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN053288.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN053288.D (-2590) (-)

10.16

400000

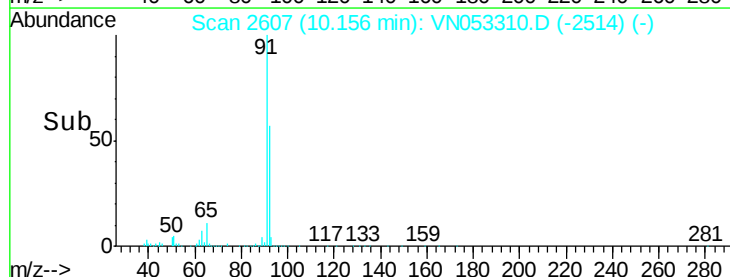
300000

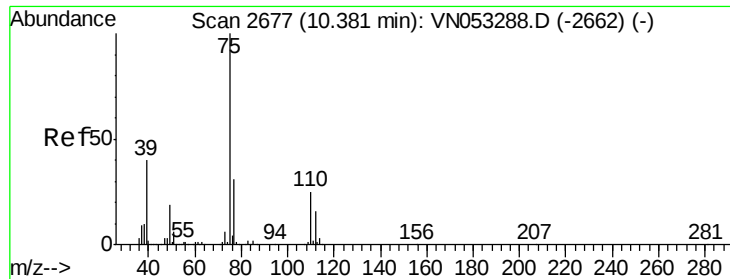
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.863 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

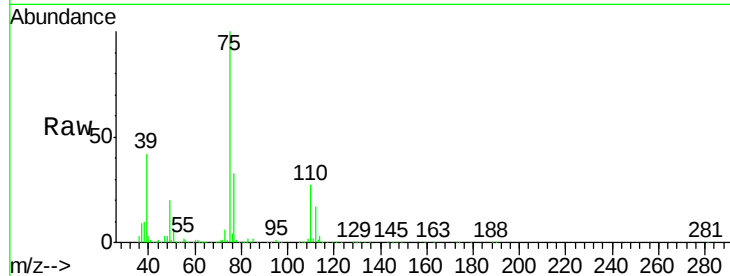
VN0108MBS01

Tot Ion: 75 Resp: 255701

Ion Ratio Lower Upper

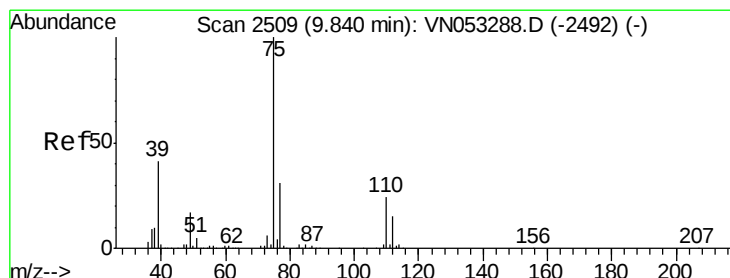
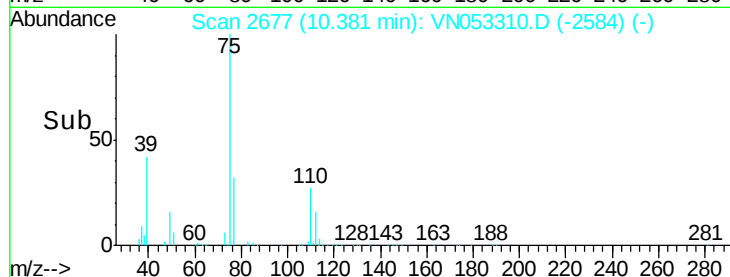
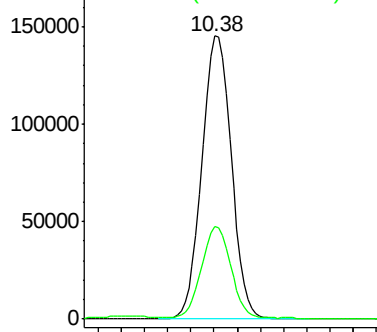
75 100

77 32.4 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.290 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

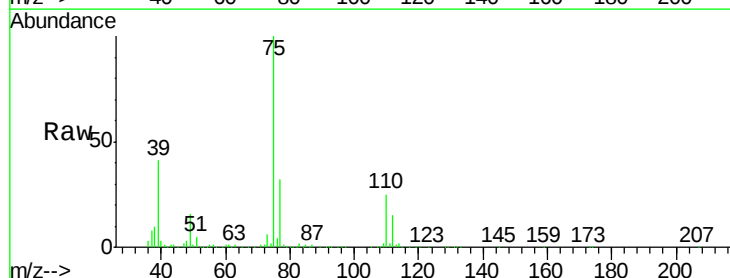
Tgt Ion: 75 Resp: 302169

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

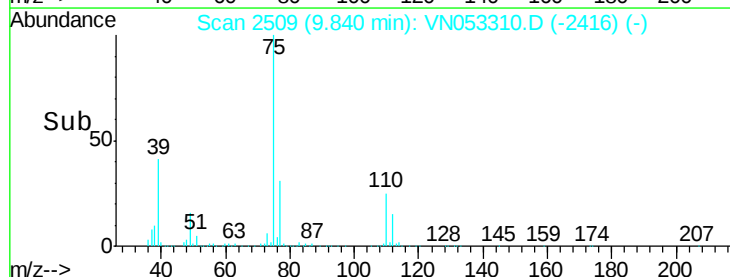
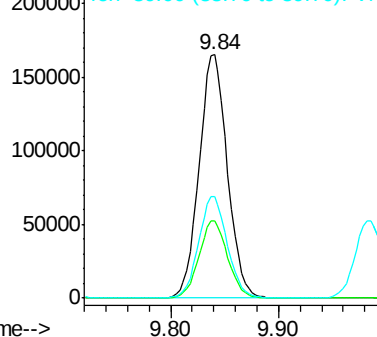
39 41.3 33.1 49.7

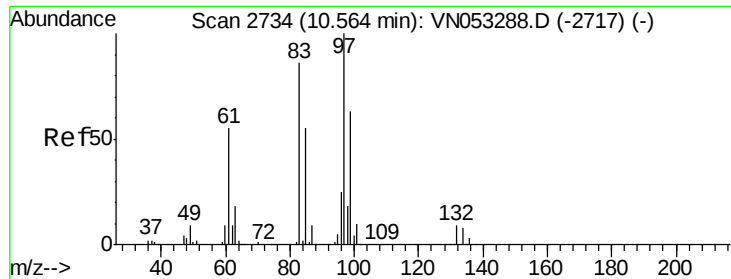


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 18.936 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0108MBS01

Tot Ion: 97 Resp: 177612

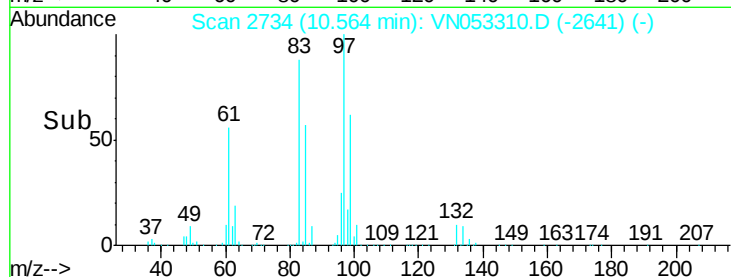
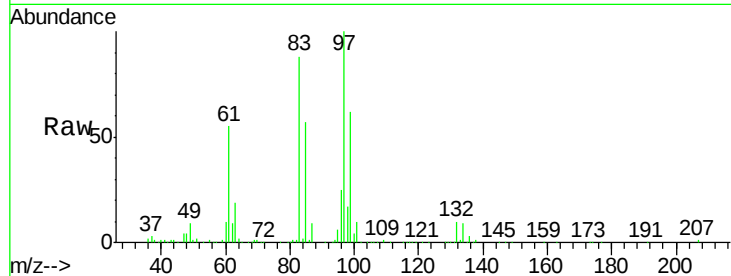
Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.1	103.7
85	56.7	44.2	66.4
99	62.2	50.3	75.5

97 100

83 88.2 69.1 103.7

85 56.7 44.2 66.4

99 62.2 50.3 75.5



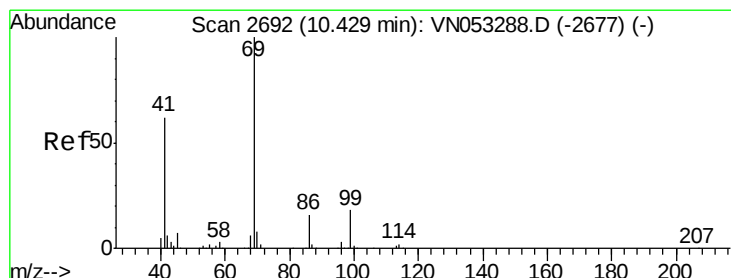
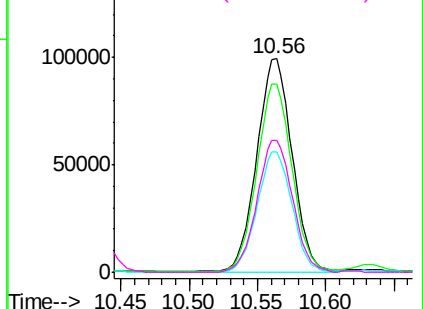
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.811 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

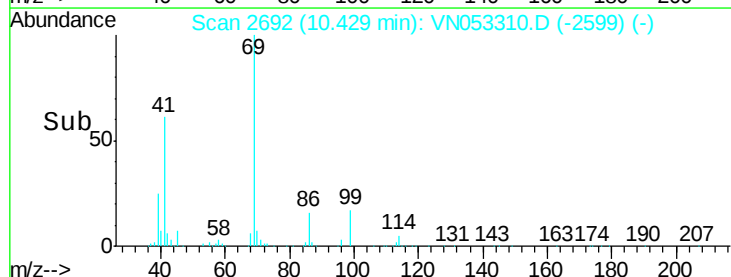
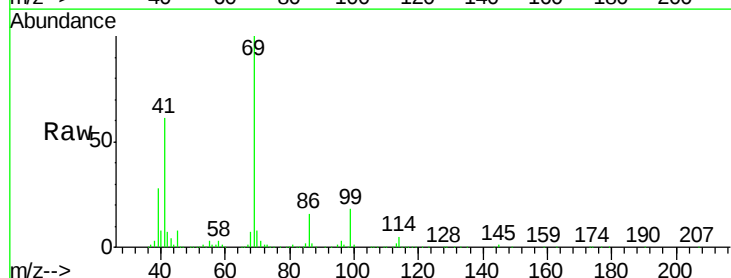
Tgt Ion: 69 Resp: 241475

Ion	Ratio	Lower	Upper
69	100		
41	60.2	49.2	73.8
39	28.1	23.4	35.0

69 100

41 60.2 49.2 73.8

39 28.1 23.4 35.0

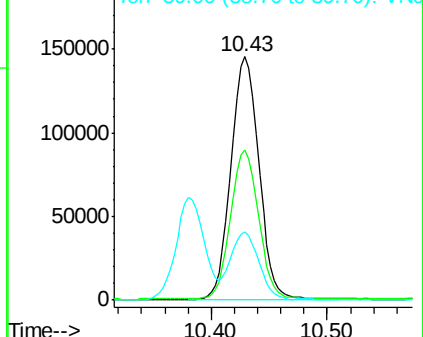


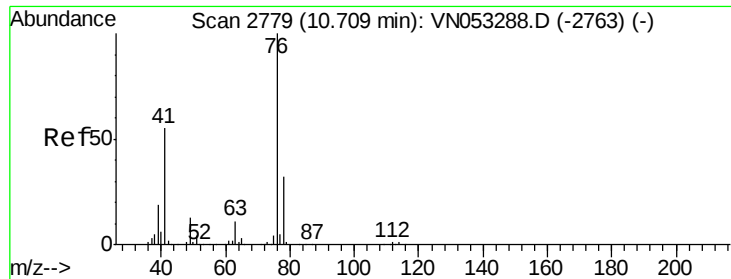
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

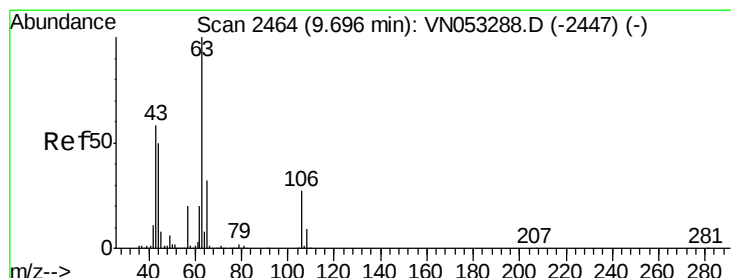
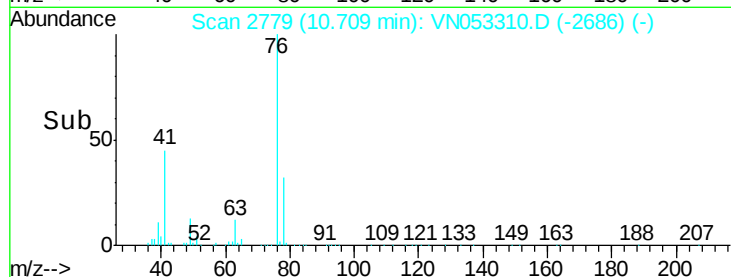
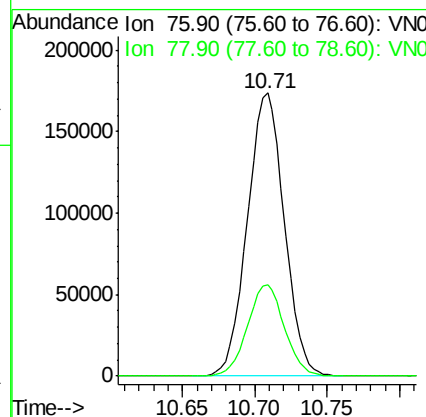
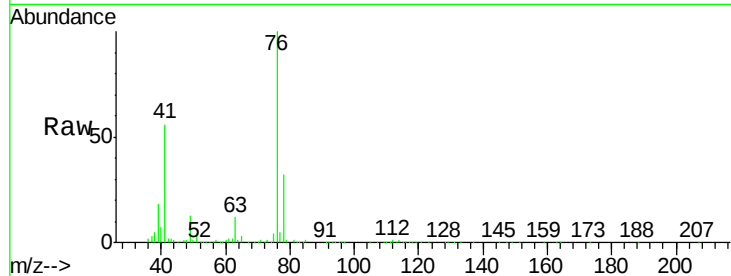




#57
 1,3-Dichloropropane
 Concen: 19.622 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

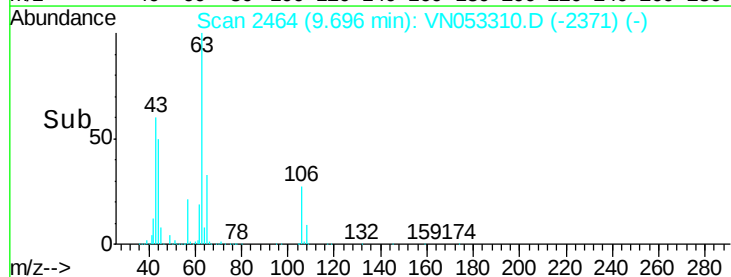
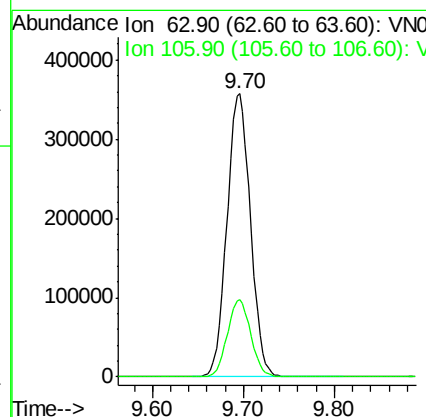
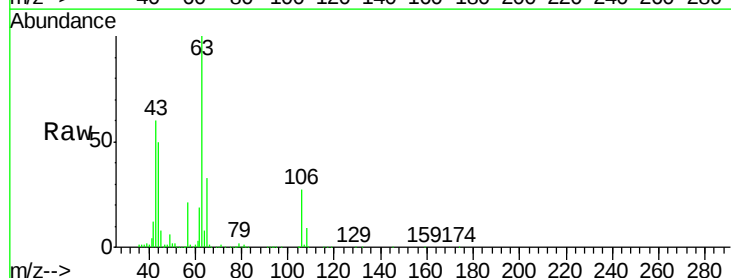
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBS01

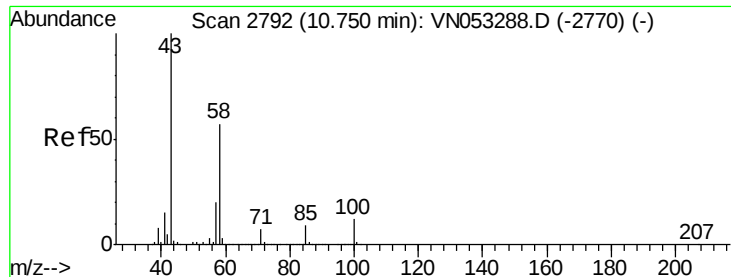
Tot Ion: 76 Resp: 307776
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.117 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Tgt Ion: 63 Resp: 639961
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5

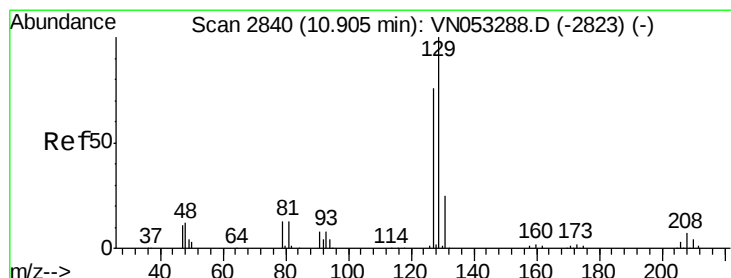
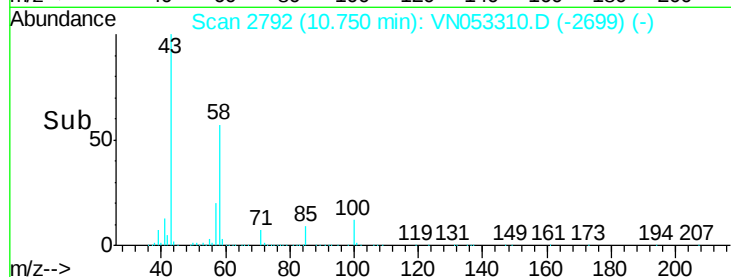
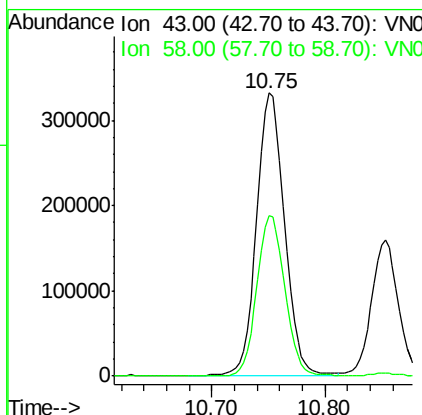
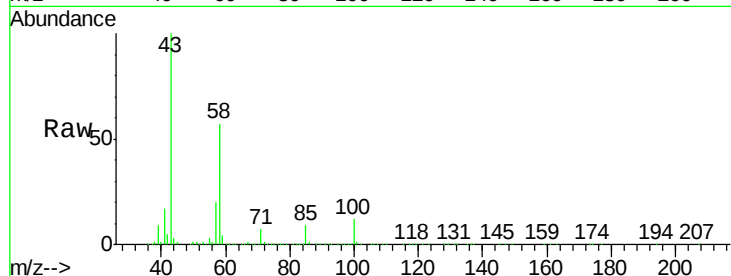




#59
2-Hexanone
Concen: 94.976 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

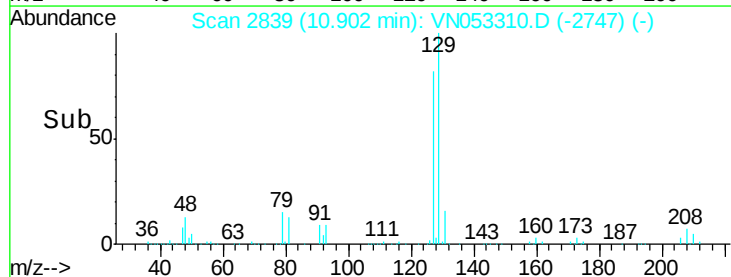
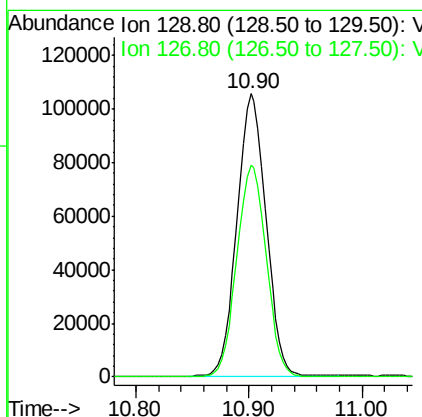
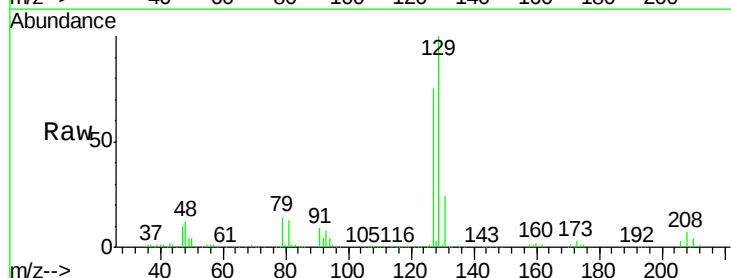
Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

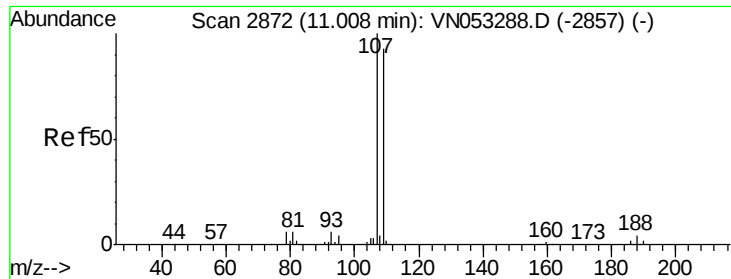
Tot Ion: 43 Resp: 570788
Ion Ratio Lower Upper
43 100
58 57.1 28.3 85.0



#60
Dibromochloromethane
Concen: 18.615 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion: 129 Resp: 188316
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.208 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

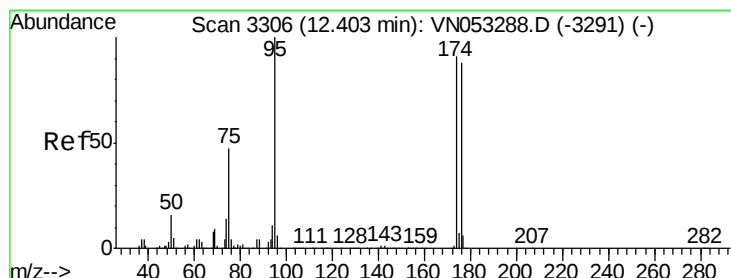
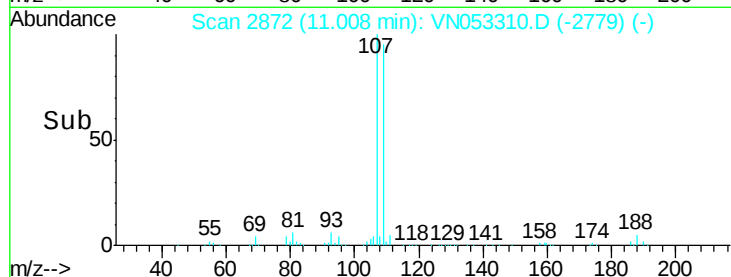
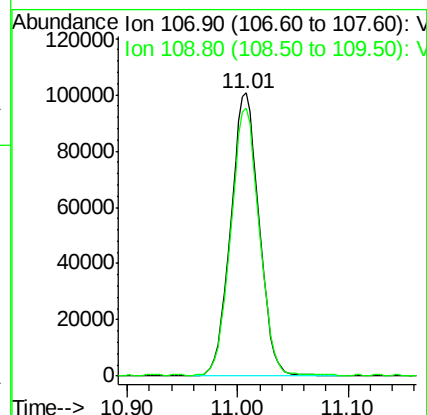
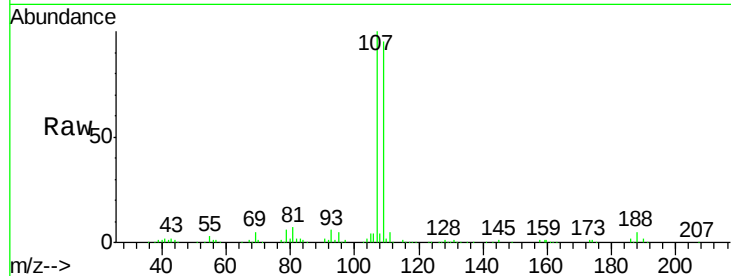
VN0108MBS01

Tot Ion:107 Resp: 177787

Ion Ratio Lower Upper

107 100

109 95.2 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 19.208 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

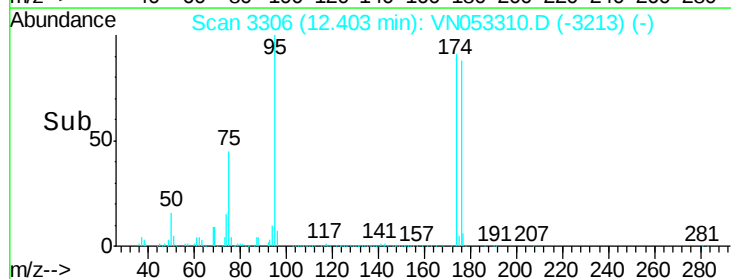
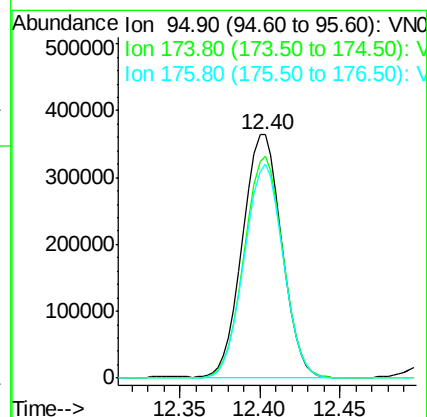
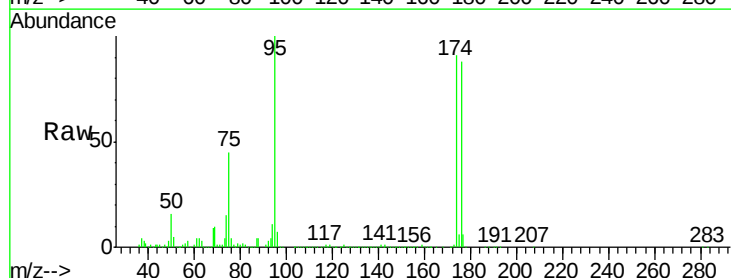
Tgt Ion: 95 Resp: 605897

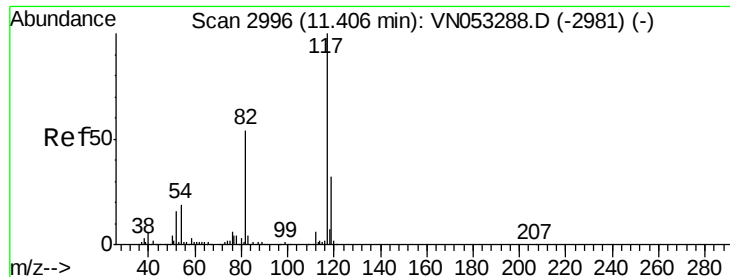
Ion Ratio Lower Upper

95 100

174 90.8 0.0 180.4

176 87.4 0.0 175.6

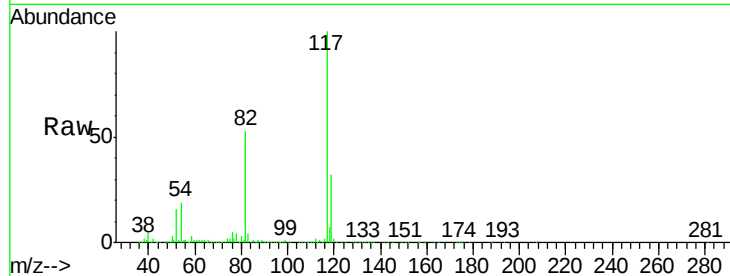




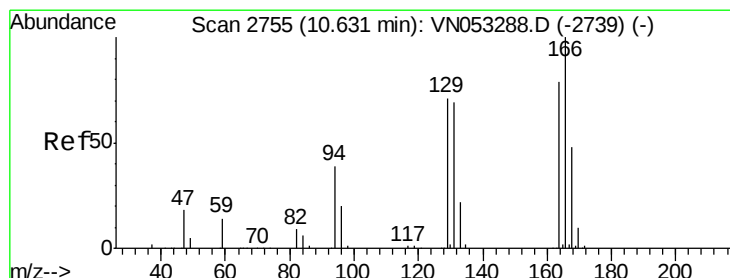
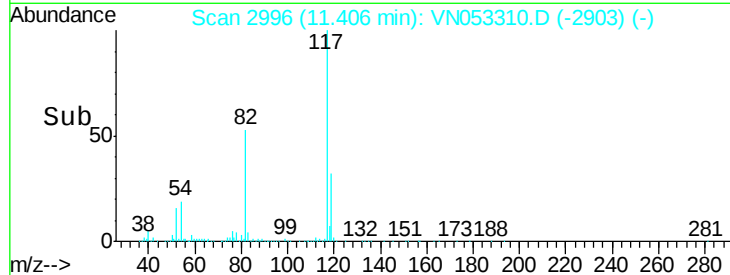
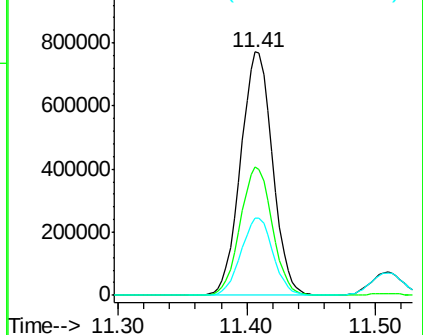
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

Tot Ion:117 Resp: 1324792
Ion Ratio Lower Upper
117 100
82 52.7 42.9 64.3
119 31.7 25.6 38.4

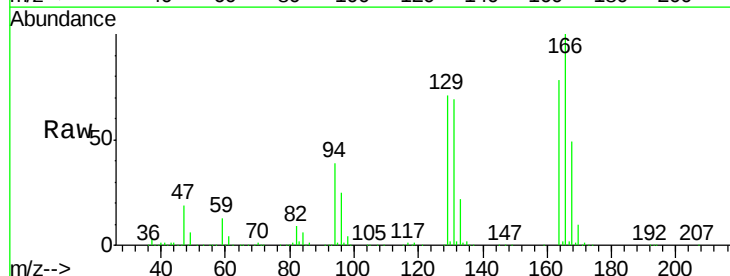


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

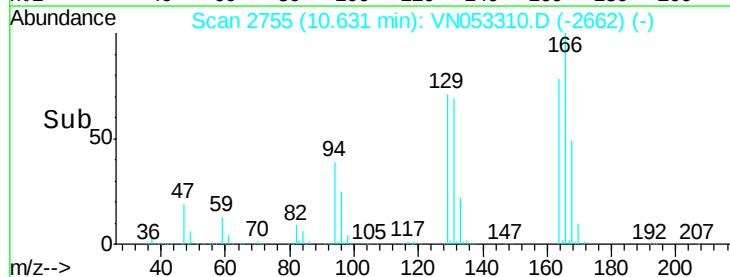
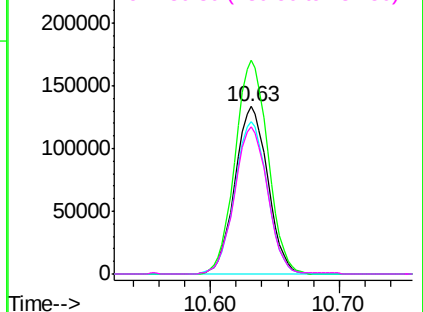


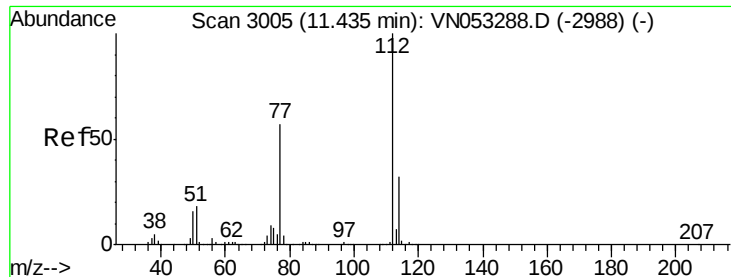
#64
Tetrachloroethene
Concen: 18.937 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion:164 Resp: 236121
Ion Ratio Lower Upper
164 100
166 127.7 101.7 152.5
129 91.1 72.1 108.1
131 87.8 69.9 104.9



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: 19.536 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

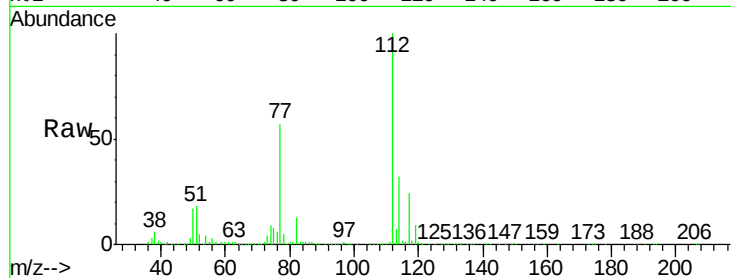
VN0108MBS01

Tot Ion:112 Resp: 562225

Ion Ratio Lower Upper

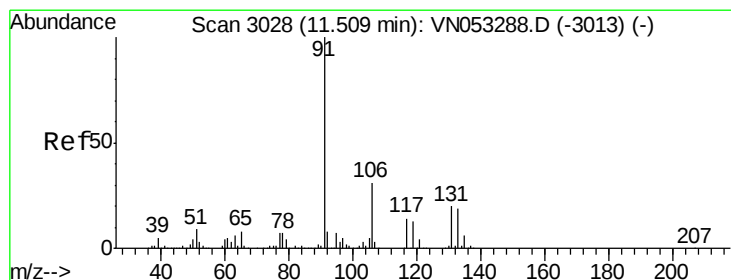
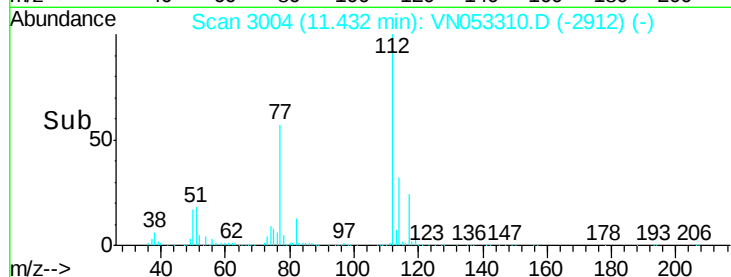
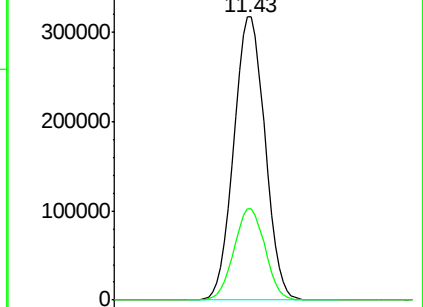
112 100

114 32.2 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.641 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

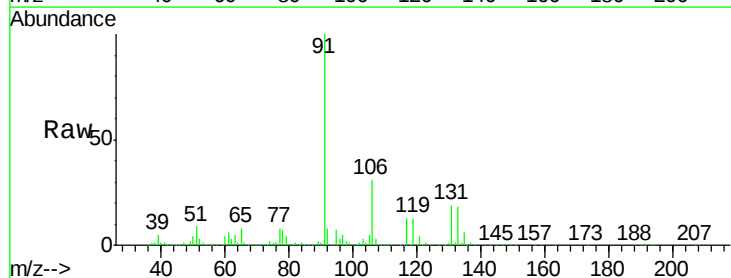
Tgt Ion:131 Resp: 187770

Ion Ratio Lower Upper

131 100

133 94.9 48.0 144.0

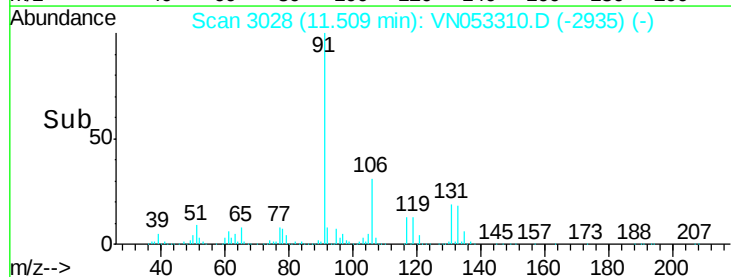
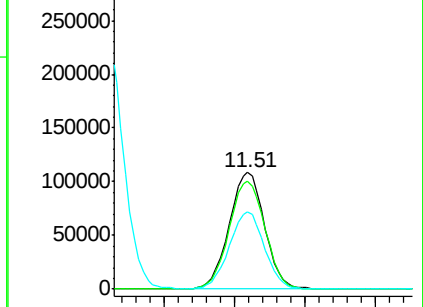
119 66.2 33.3 99.9

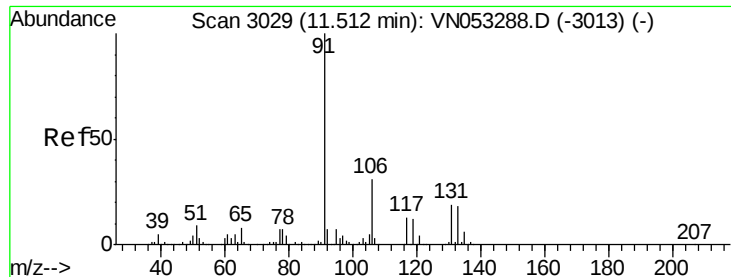


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

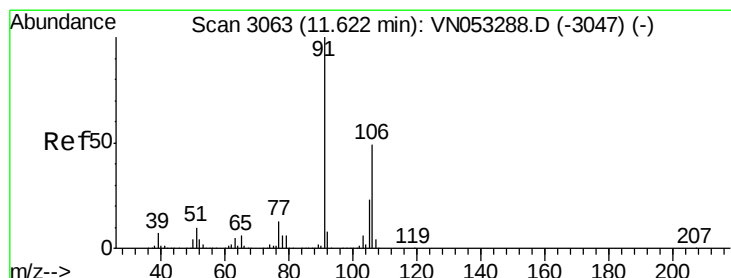
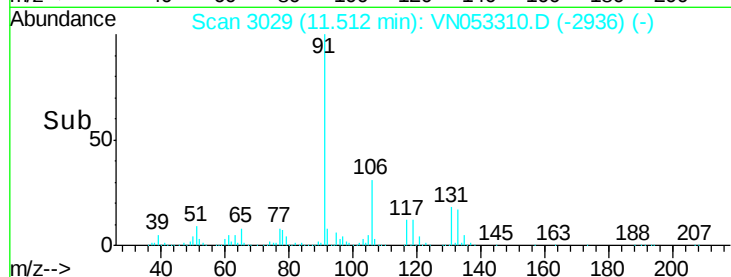
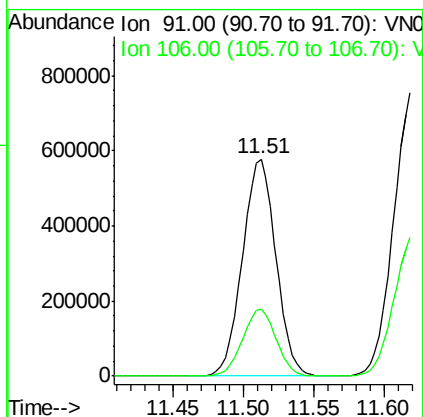
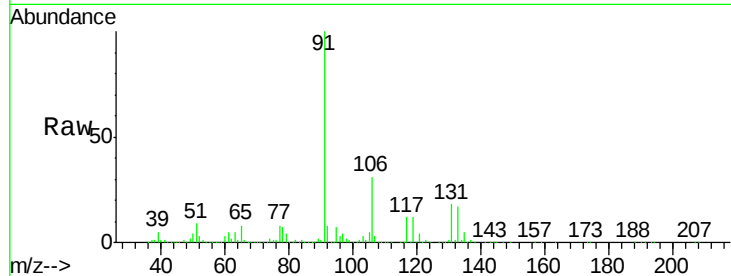




#67
Ethyl Benzene
Concen: 19.628 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

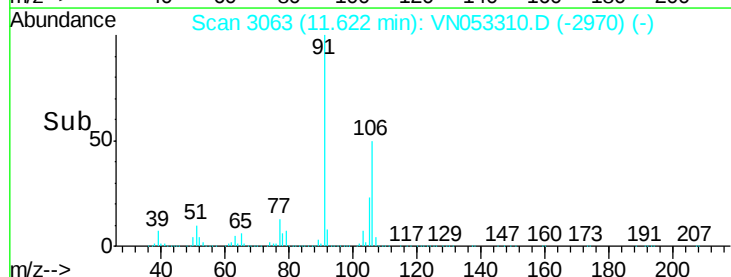
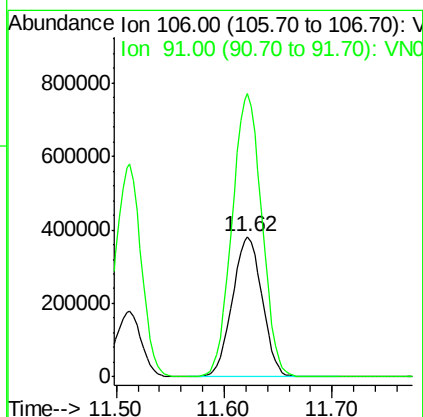
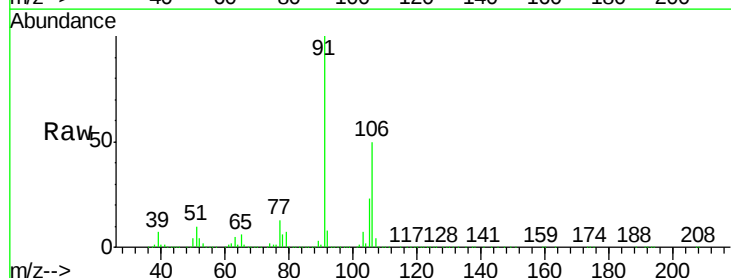
Instrument :
MSVOA_N
ClientSampled :
VN0108MBS01

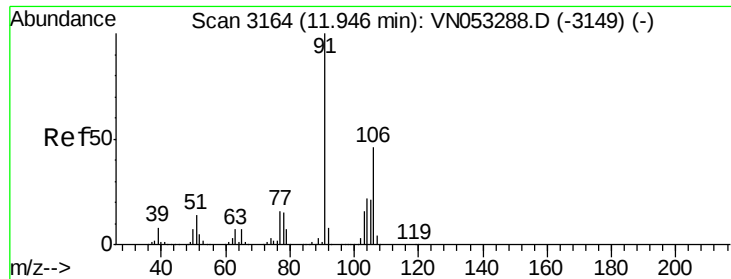
Tot Ion: 91 Resp: 959868
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4



#68
m/p-Xylenes
Concen: 39.769 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion: 106 Resp: 731295
Ion Ratio Lower Upper
106 100
91 202.2 161.4 242.2

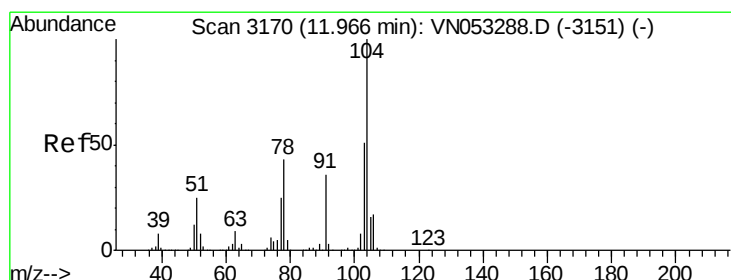
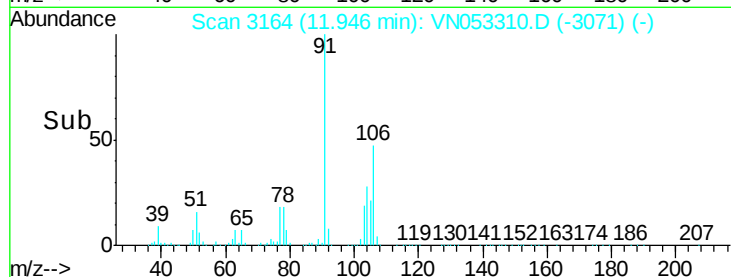
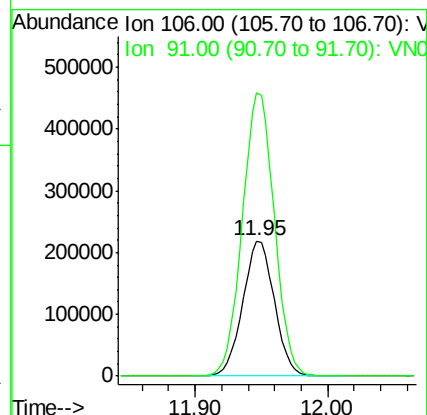
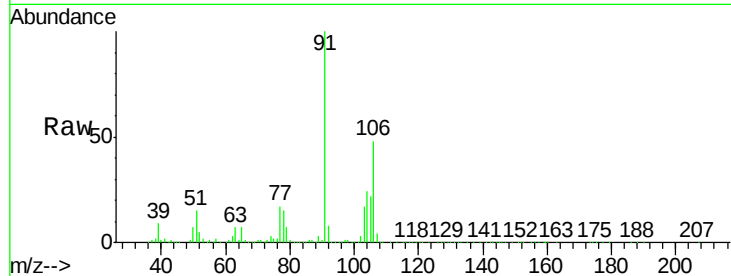




#69
o-Xylene
Concen: 20.038 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

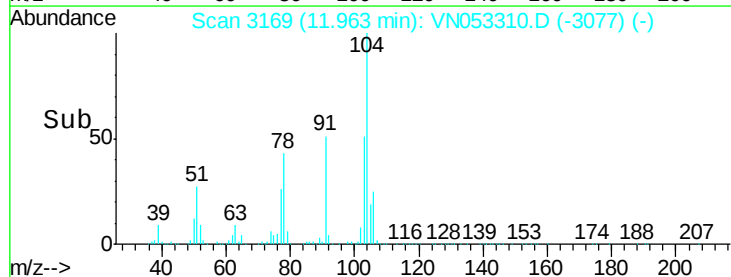
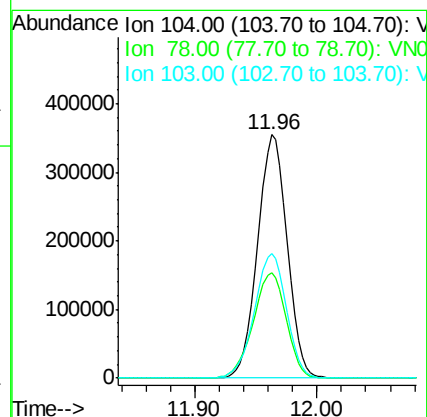
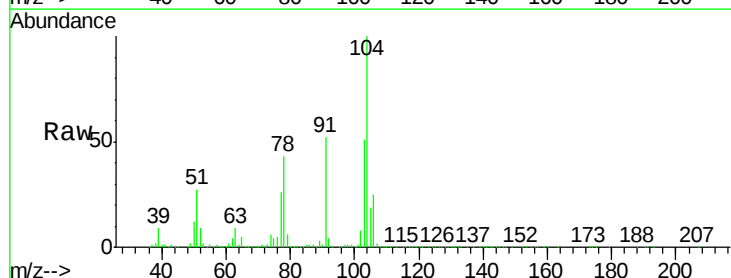
Instrument :
MSVOA_N
ClientSampled :
VN0108MBS01

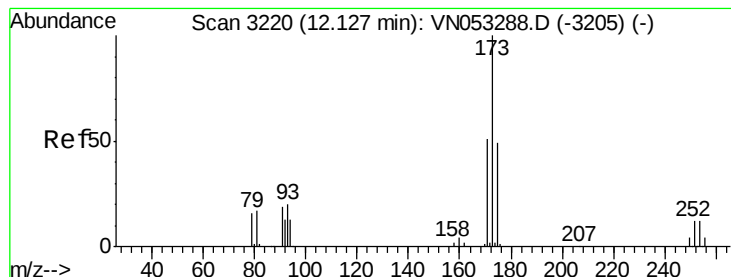
Tot Ion:106 Resp: 360731
Ion Ratio Lower Upper
106 100
91 211.7 106.8 320.4



#70
Styrene
Concen: 20.165 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion:104 Resp: 590825
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 55.5 44.5 66.7





#71

Bromoform

Concen: 18.037 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

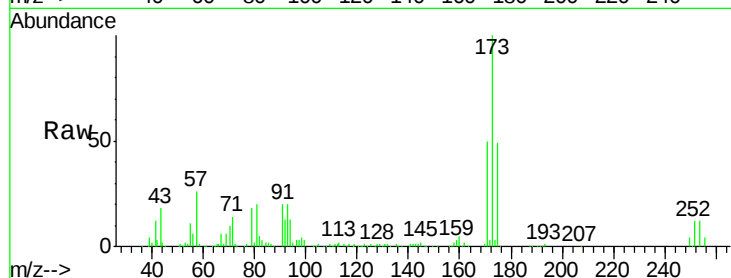
Tot Ion:173 Resp: 128335

Ion Ratio Lower Upper

173 100

175 49.7 24.3 72.8

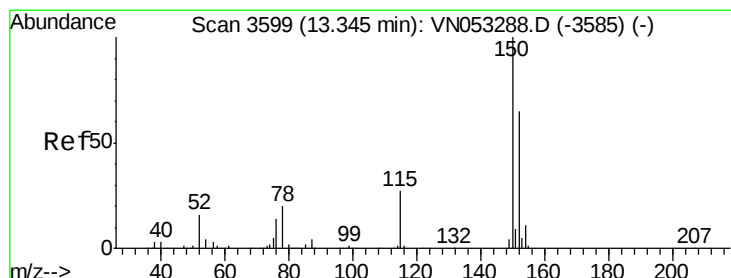
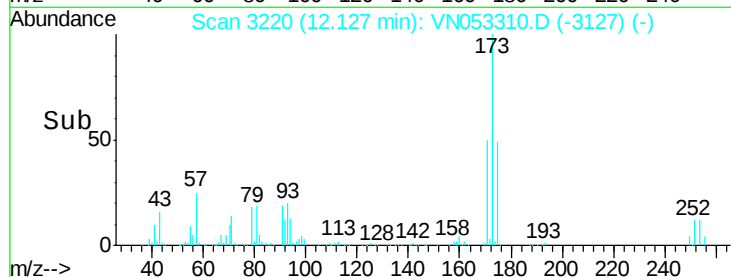
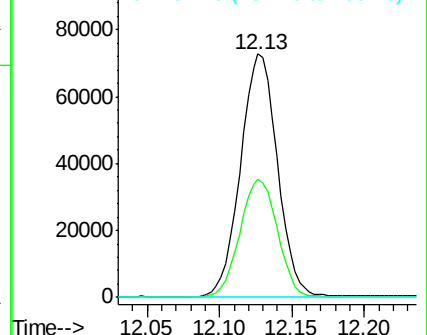
254 0.0 0.2 0.2#



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: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

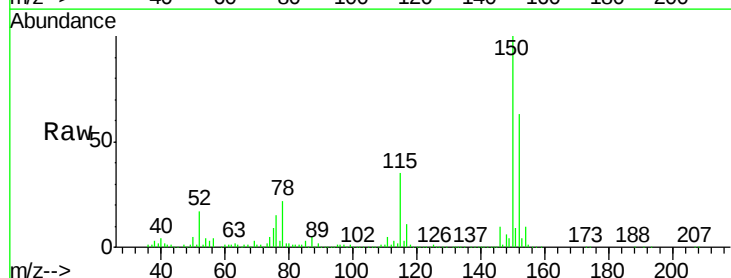
Tgt Ion:152 Resp: 614873

Ion Ratio Lower Upper

152 100

115 55.1 28.0 84.0

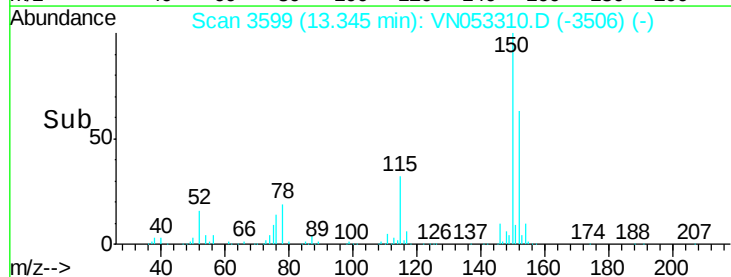
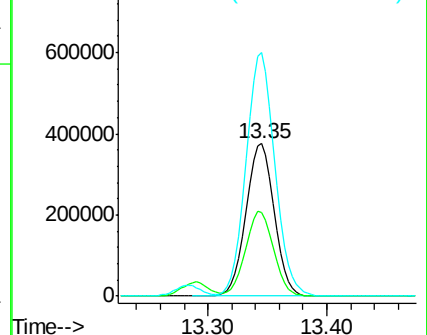
150 164.0 0.0 346.6

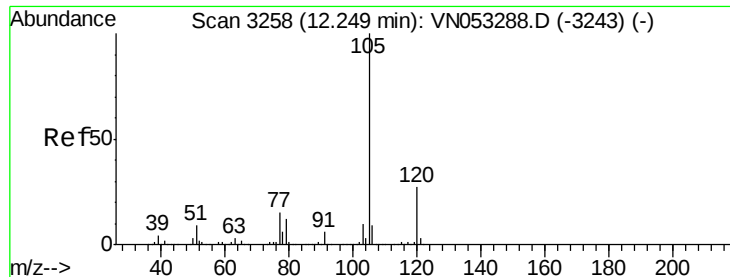


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.311 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

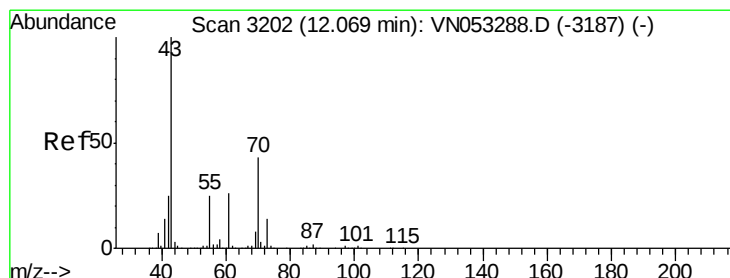
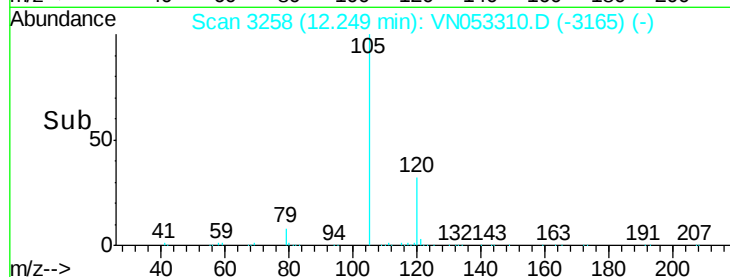
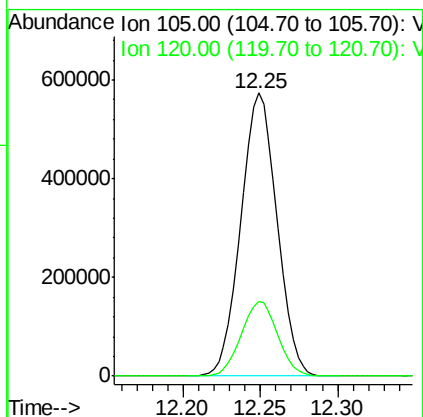
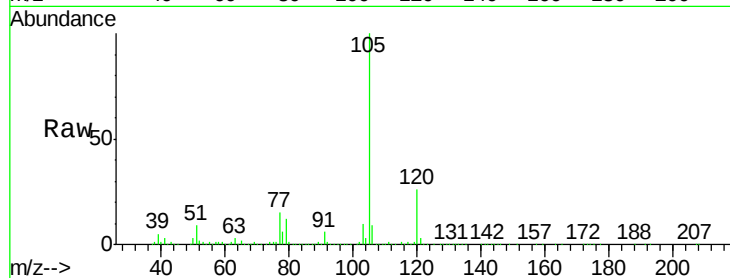
VN0108MBS01

Tot Ion:105 Resp: 929838

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 21.601 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion: 43 Resp: 295280

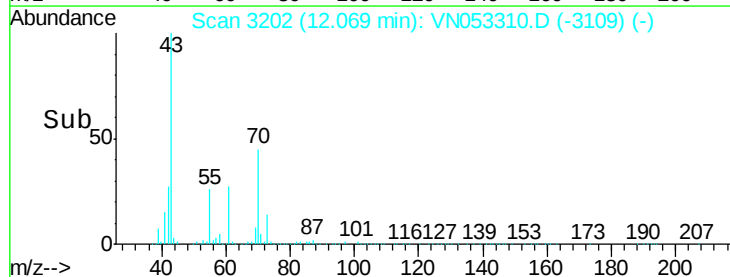
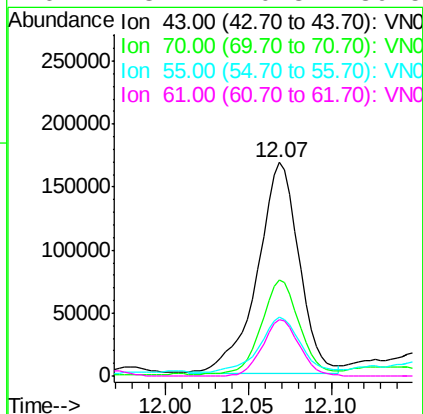
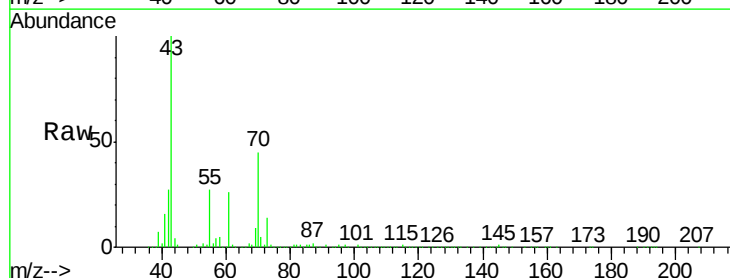
Ion Ratio Lower Upper

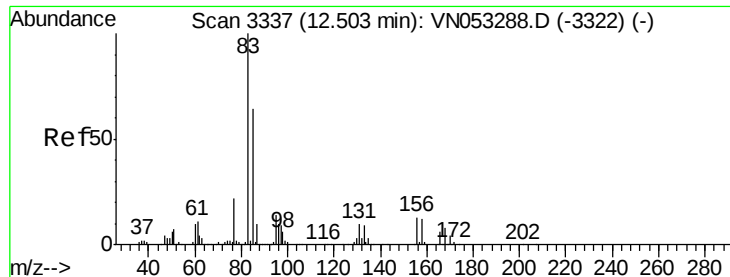
43 100

70 40.3 35.0 52.6

55 27.2 20.0 30.0

61 23.4 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.756 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

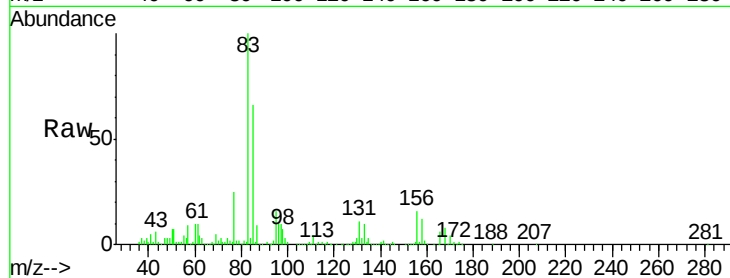
Tot Ion: 83 Resp: 208049

Ion Ratio Lower Upper

83 100

131 10.9 5.3 15.9

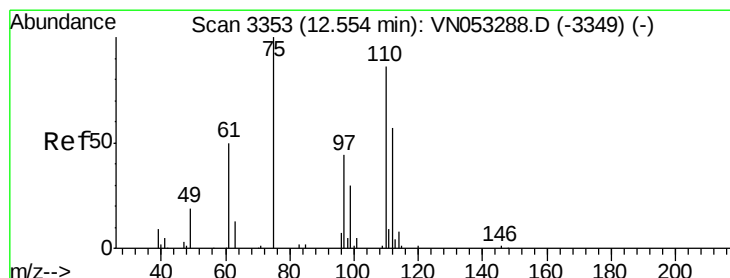
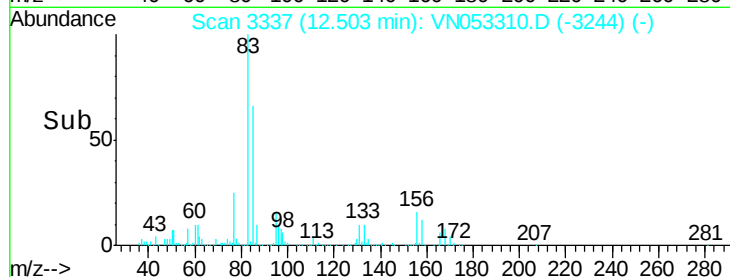
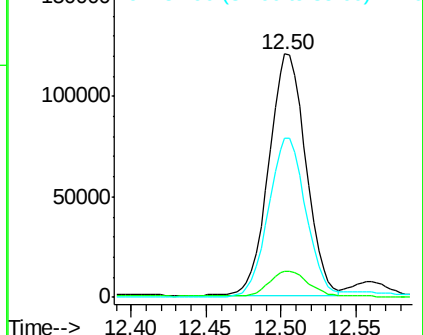
85 67.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.150 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053310.D

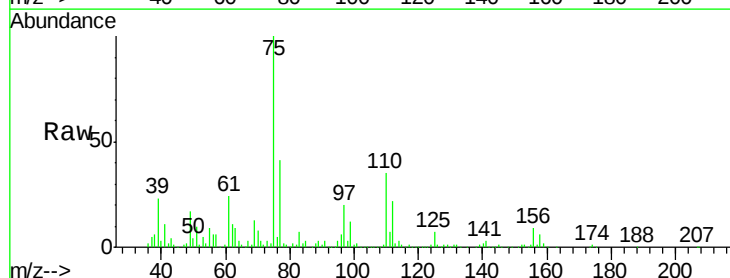
Acq: 8 Jan 2019 11:30

Tgt Ion: 75 Resp: 270392

Ion Ratio Lower Upper

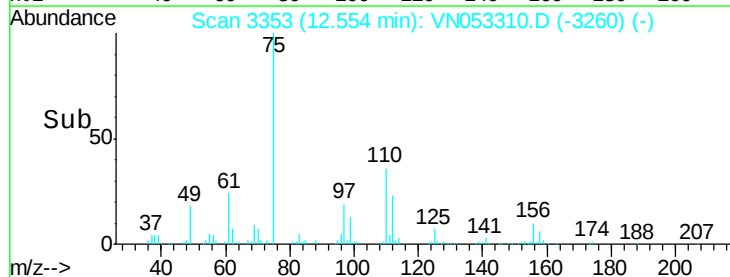
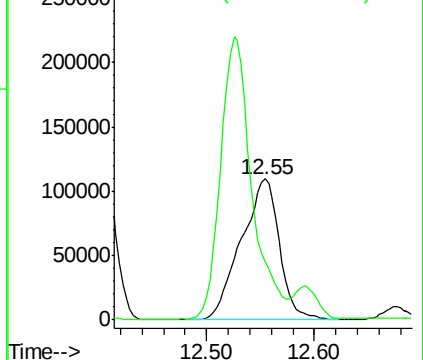
75 100

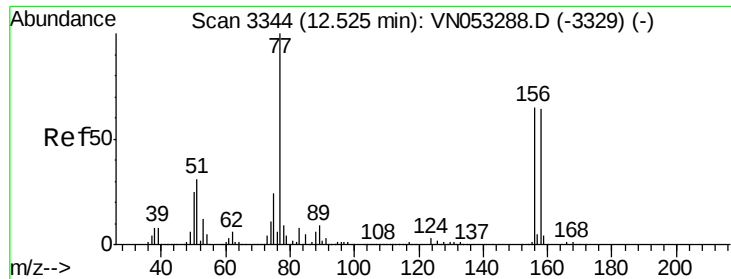
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 22.188 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

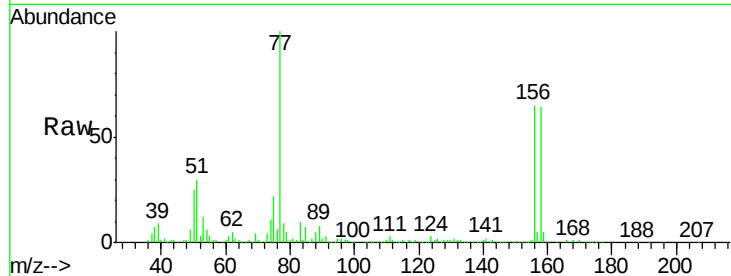
Tot Ion:156 Resp: 271096

Ion Ratio Lower Upper

156 100

77 162.3 89.3 268.1

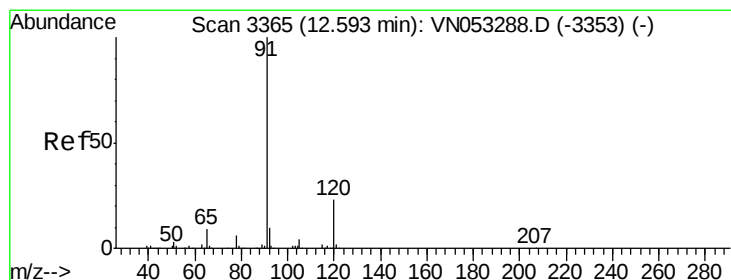
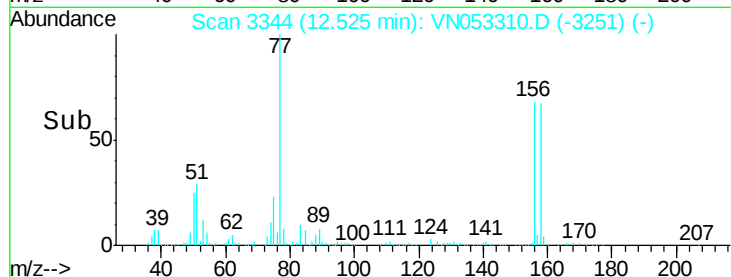
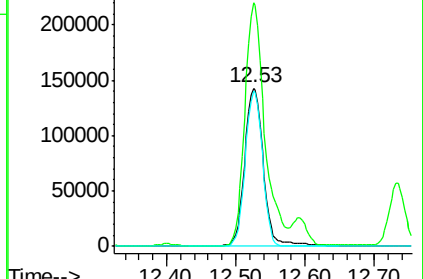
158 89.4 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.509 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN053310.D

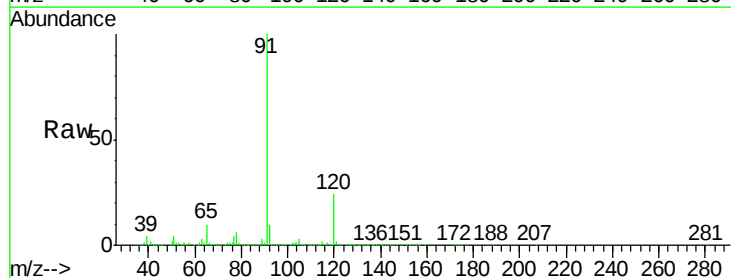
Acq: 8 Jan 2019 11:30

Tgt Ion: 91 Resp: 1062018

Ion Ratio Lower Upper

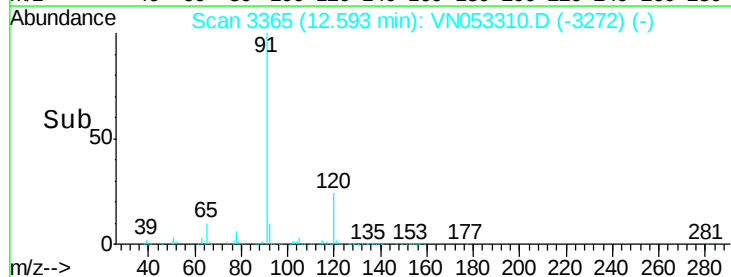
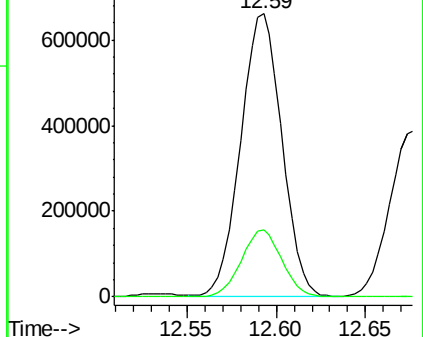
91 100

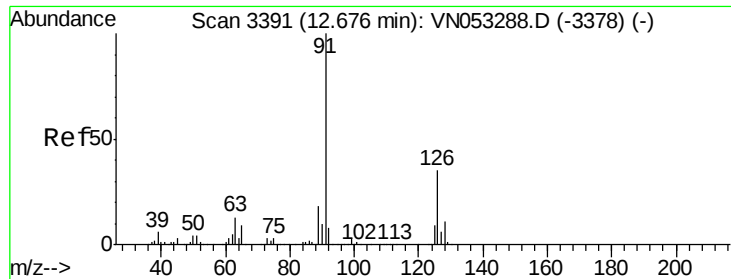
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.243 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

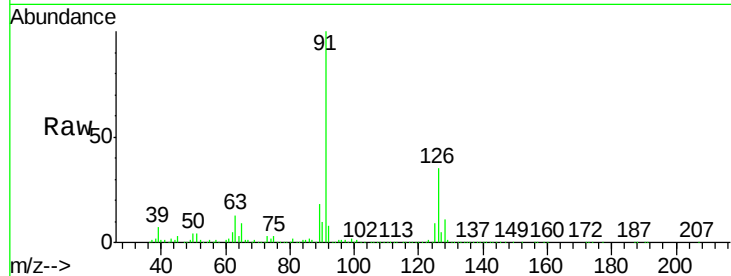
VN0108MBS01

Tot Ion: 91 Resp: 634272

Ion Ratio Lower Upper

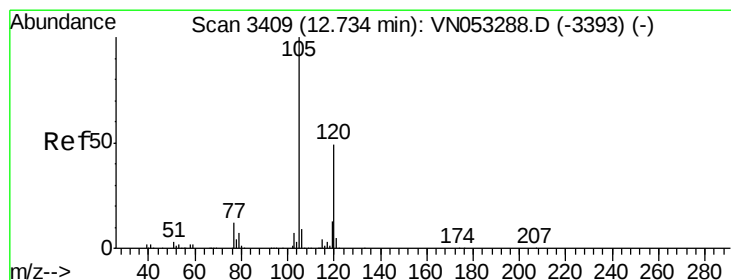
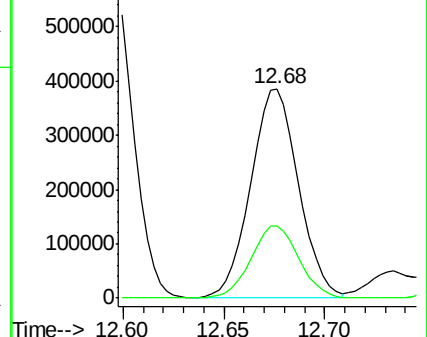
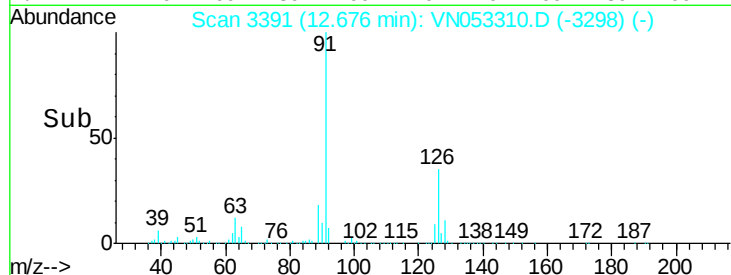
91 100

126 35.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN053310.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN053310.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.295 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053310.D

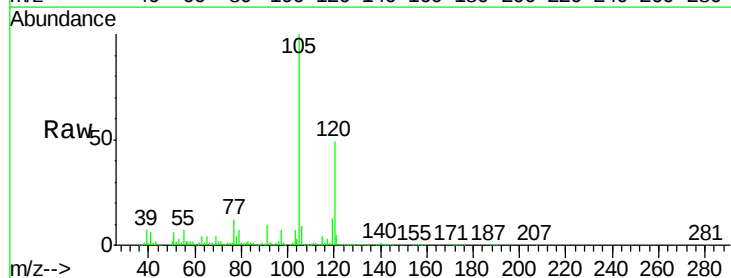
Acq: 8 Jan 2019 11:30

Tgt Ion: 105 Resp: 748379

Ion Ratio Lower Upper

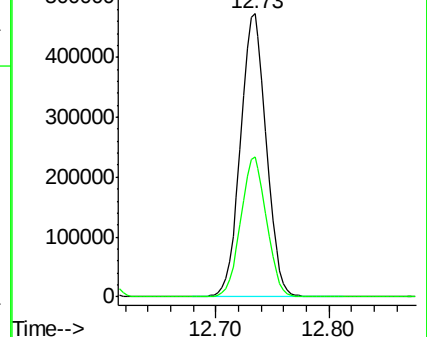
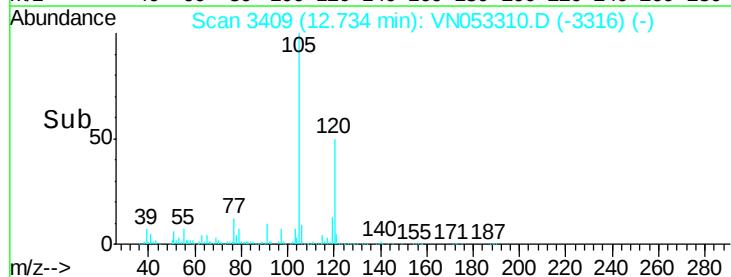
105 100

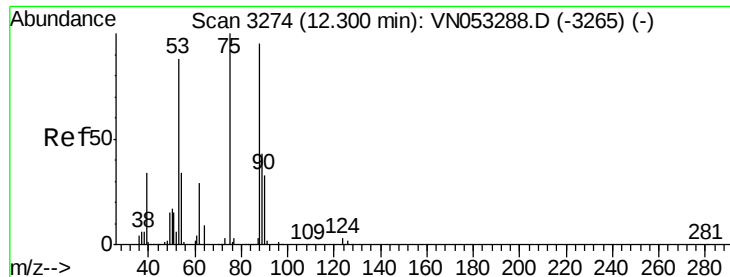
120 49.3 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN053310.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN053310.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.065 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

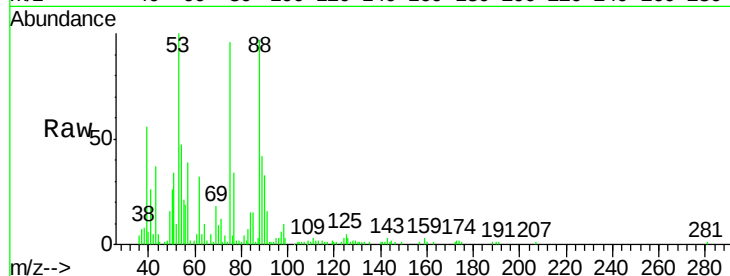
Tot Ion: 75 Resp: 58114

Ion Ratio Lower Upper

75 100

53 93.1 70.5 105.7

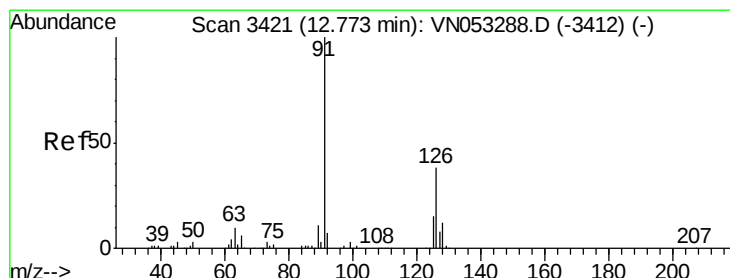
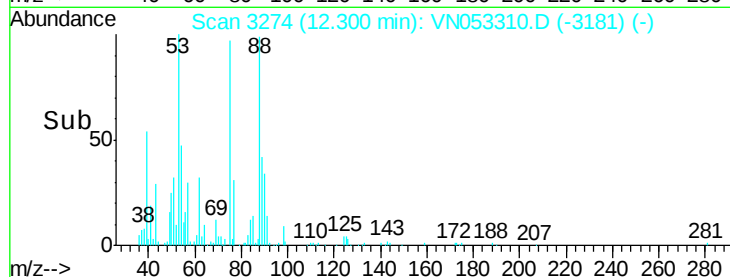
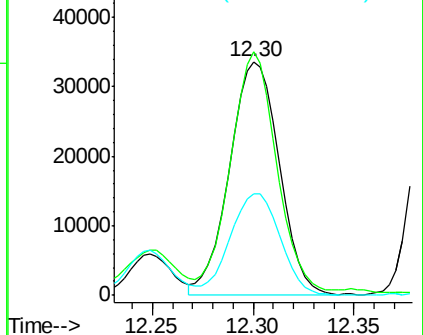
89 43.8 35.4 53.0



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: 20.216 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053310.D

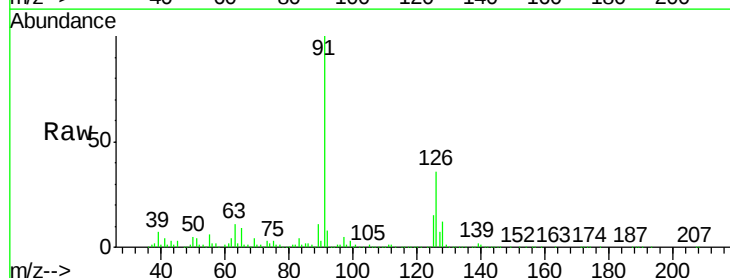
Acq: 8 Jan 2019 11:30

Tgt Ion: 91 Resp: 649527

Ion Ratio Lower Upper

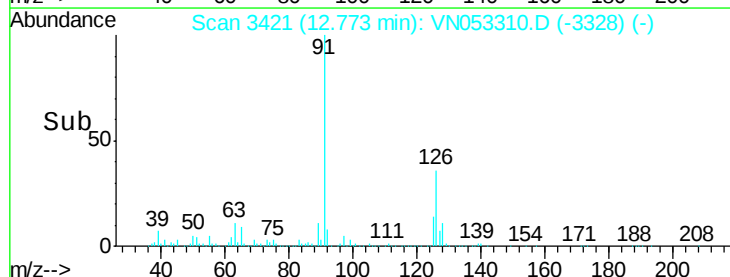
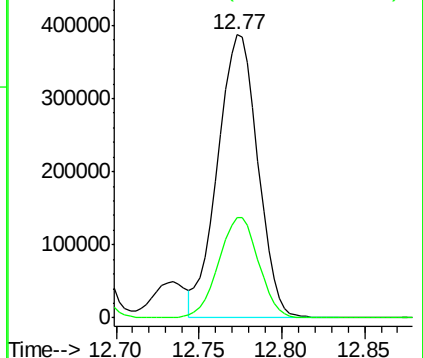
91 100

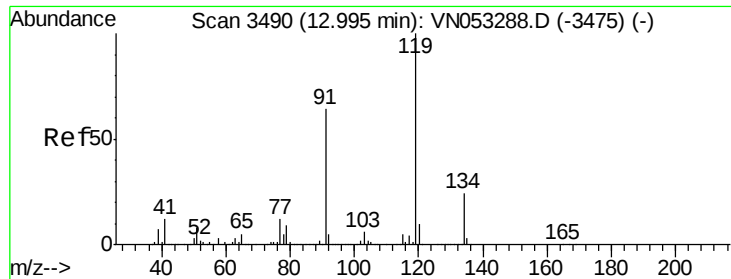
126 35.4 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

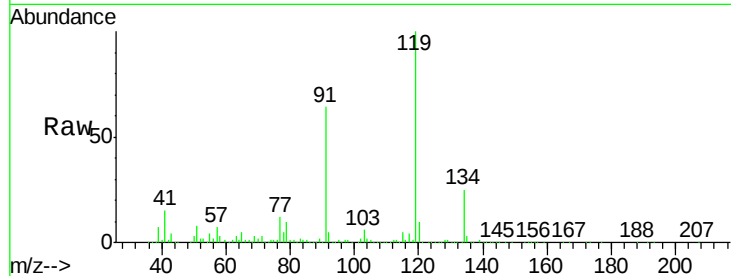




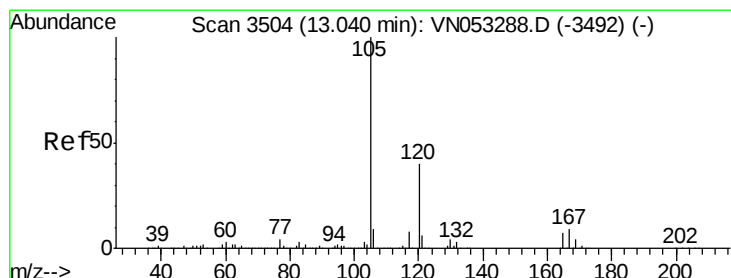
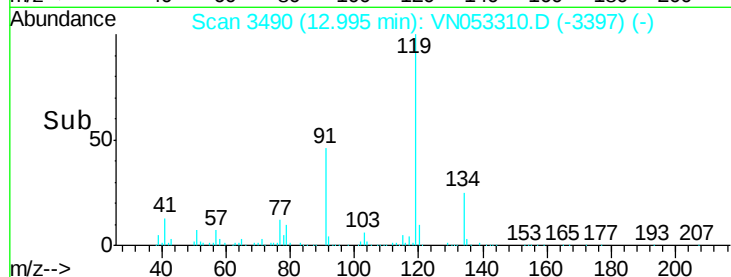
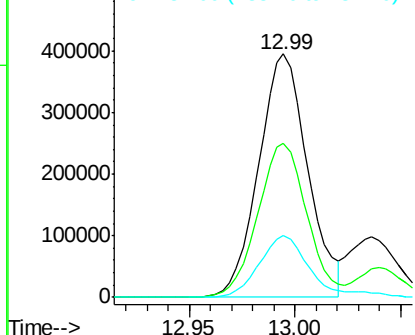
#83
tert-Butylbenzene
Concen: 19.727 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0108MBS01

Tot Ion:119 Resp: 638232
Ion Ratio Lower Upper
119 100
91 62.9 31.6 95.0
134 26.6 12.9 38.6

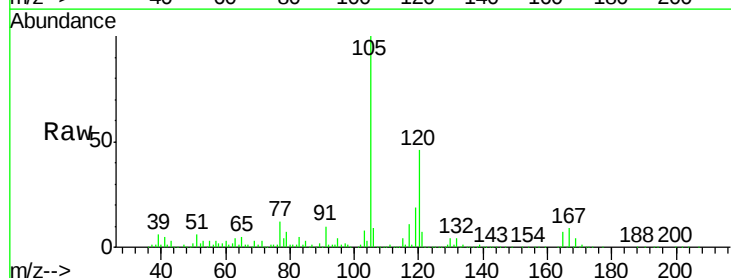


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

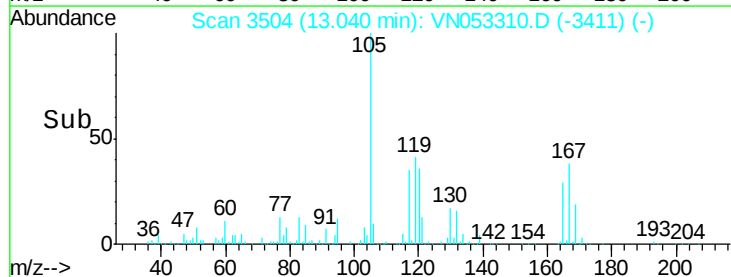
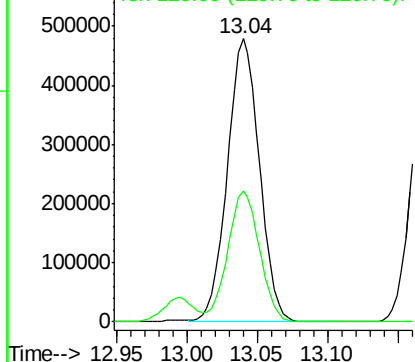


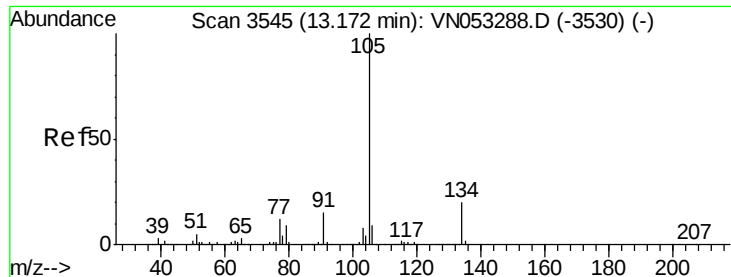
#84
1,2,4-Trimethylbenzene
Concen: 20.128 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion:105 Resp: 756156
Ion Ratio Lower Upper
105 100
120 46.4 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 20.100 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

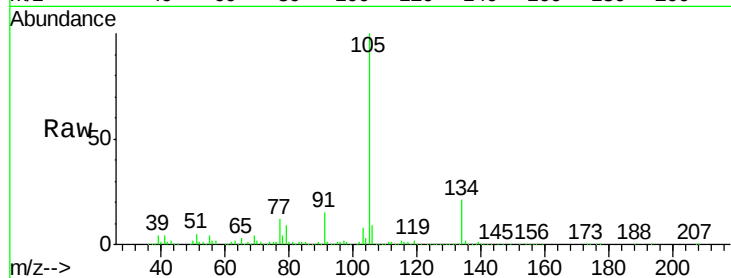
VN0108MBS01

Tot Ion:105 Resp: 857599

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

500000

400000

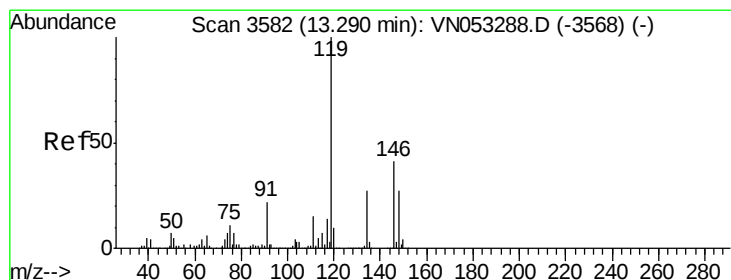
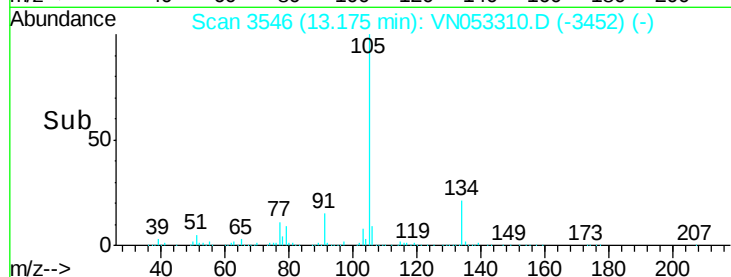
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.187 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

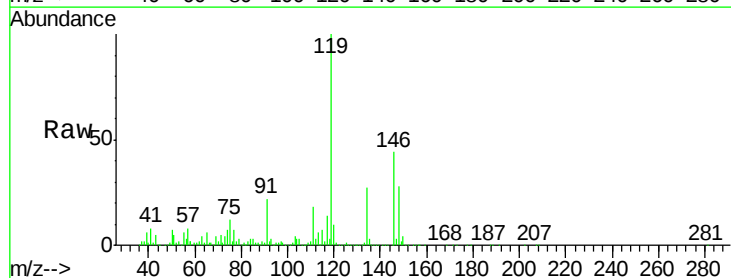
Tgt Ion:119 Resp: 745754

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.9 11.1 33.1



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

600000

500000

400000

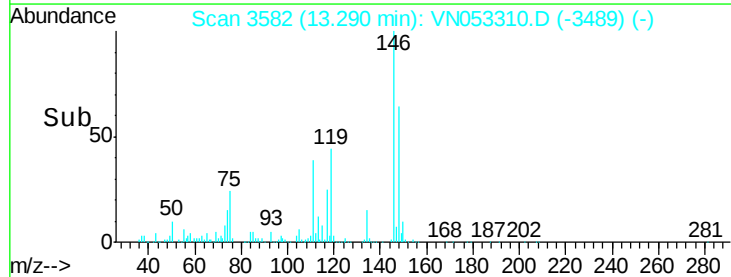
300000

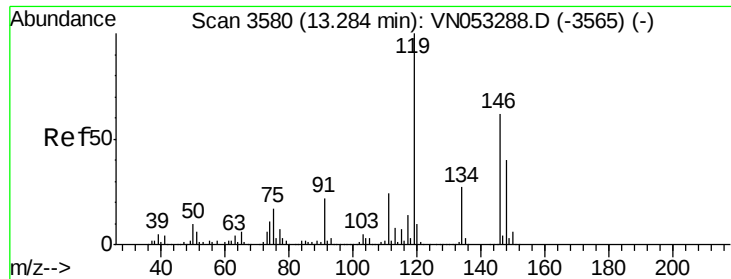
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.360 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

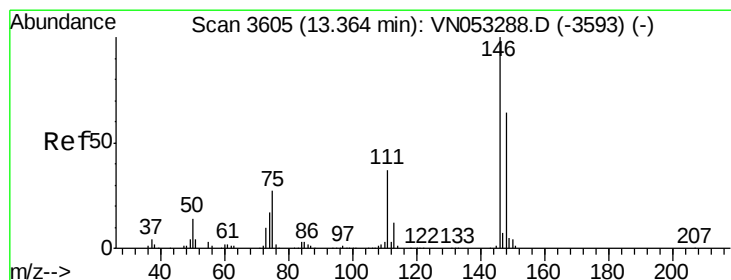
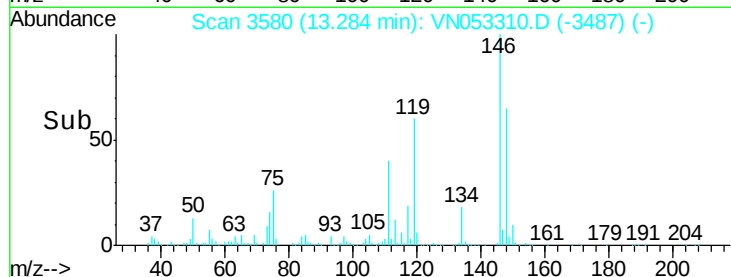
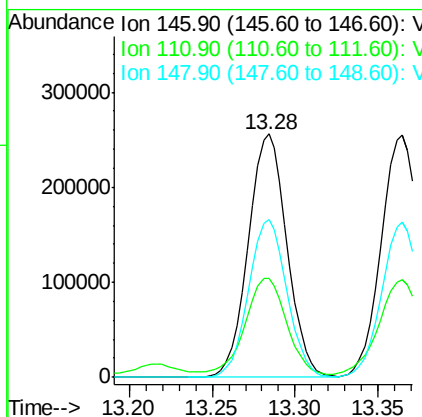
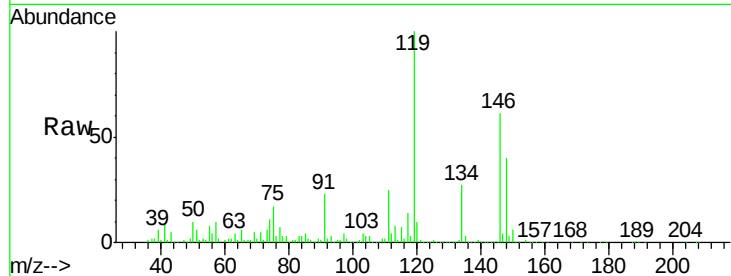
Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

Tot Ion:146 Resp: 416549

Ion	Ratio	Lower	Upper
146	100		
111	41.1	18.9	56.5
148	64.2	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 19.612 ug/l

RT: 13.36 min Scan# 3605

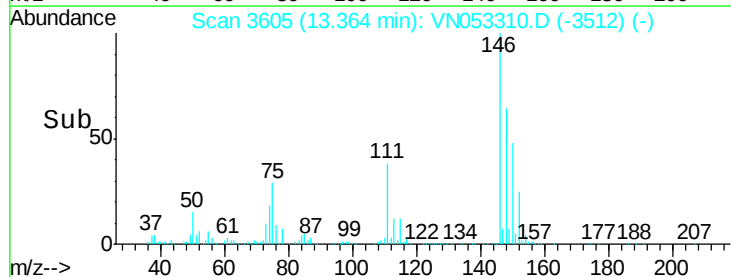
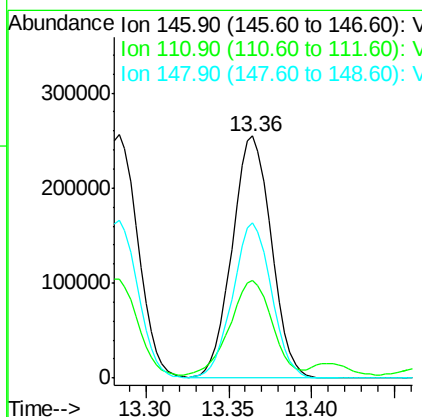
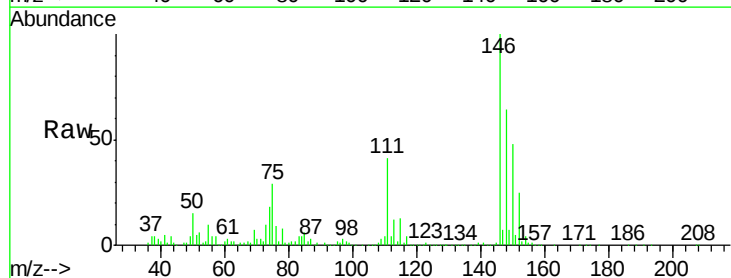
Delta R.T. 0.00 min

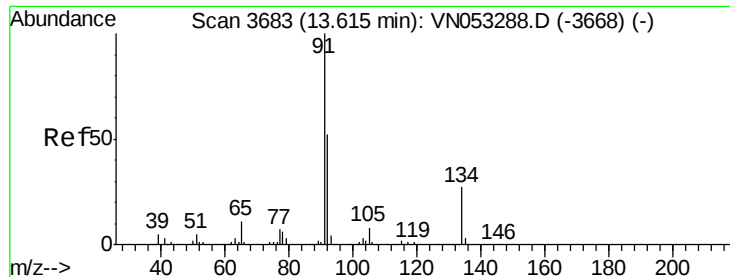
Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion:146 Resp: 418589

Ion	Ratio	Lower	Upper
146	100		
111	41.1	18.6	55.8
148	63.5	32.0	96.0





#89

n-Butylbenzene

Concen: 20.450 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0108MBS01

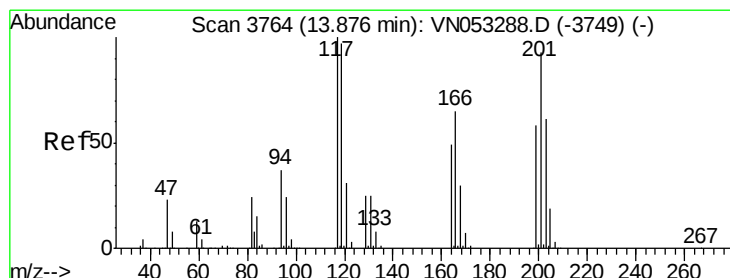
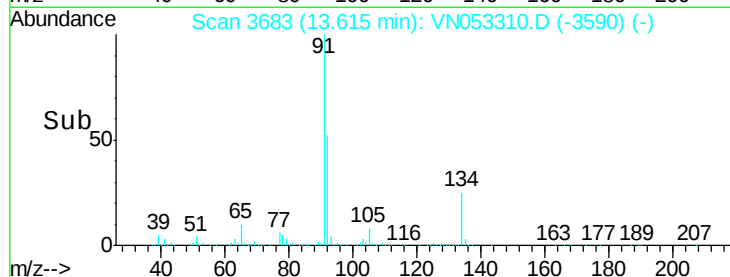
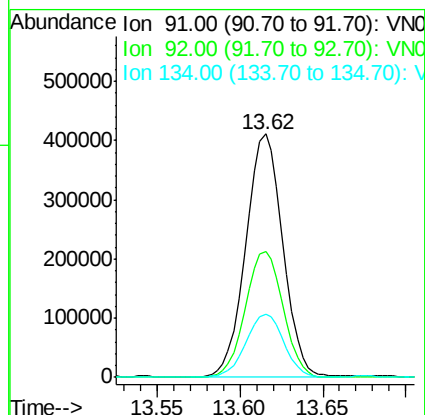
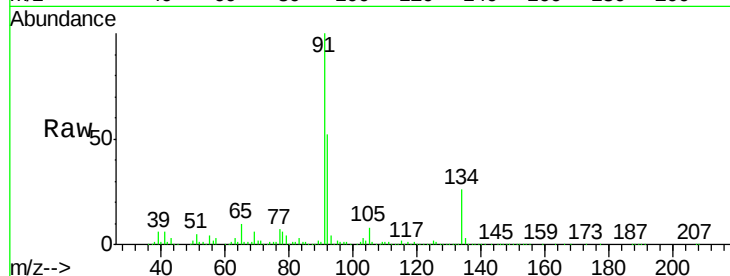
Tot Ion: 91 Resp: 633373

Ion Ratio Lower Upper

91 100

92 53.1 26.3 78.8

134 26.9 13.5 40.5



#90

Hexachloroethane

Concen: 17.787 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053310.D

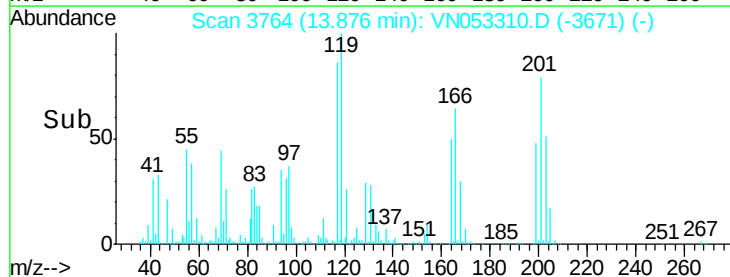
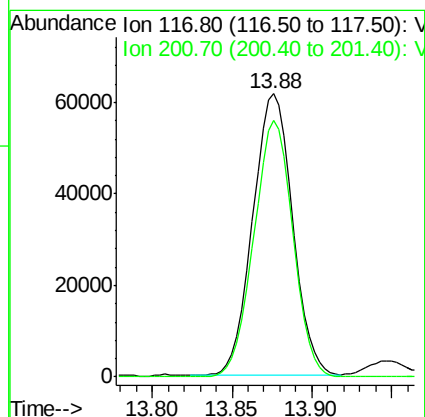
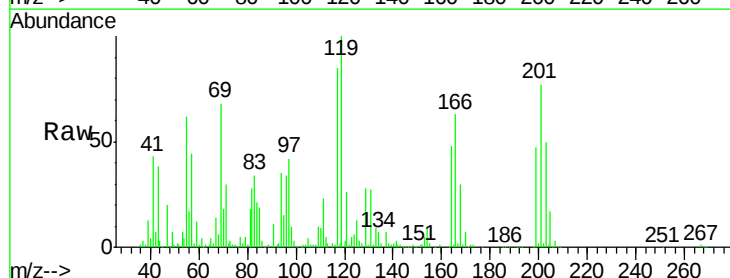
Acq: 8 Jan 2019 11:30

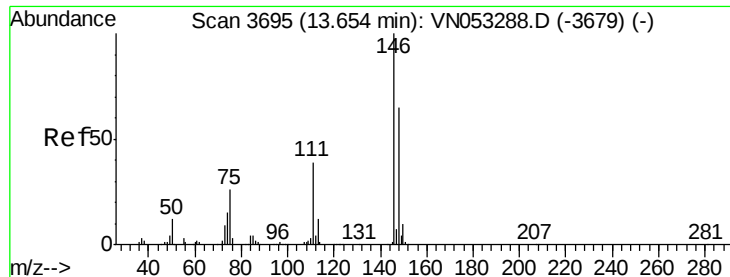
Tgt Ion: 117 Resp: 105319

Ion Ratio Lower Upper

117 100

201 89.3 46.1 138.3





#91

1,2-Dichlorobenzene

Concen: 19.247 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

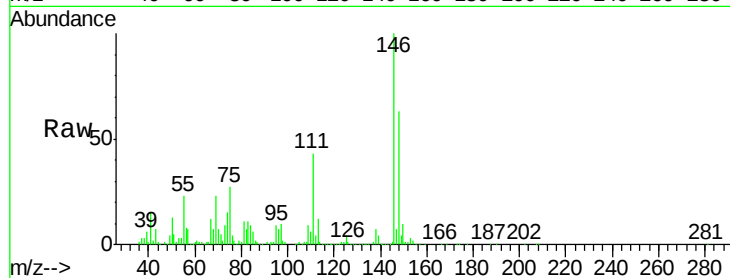
Tot Ion:146 Resp: 387916

Ion Ratio Lower Upper

146 100

111 51.1 19.4 58.2

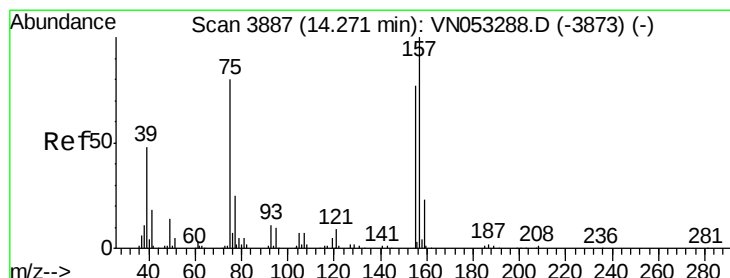
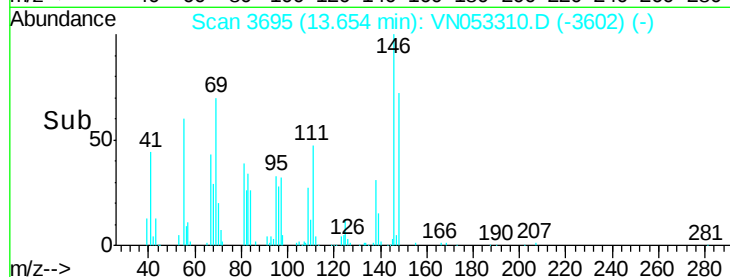
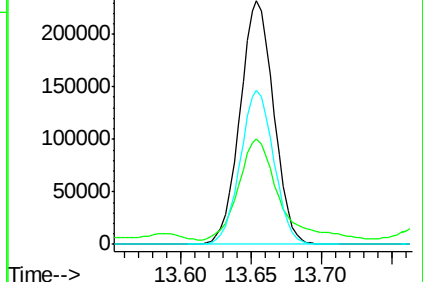
148 63.1 32.2 96.6



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: 18.929 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

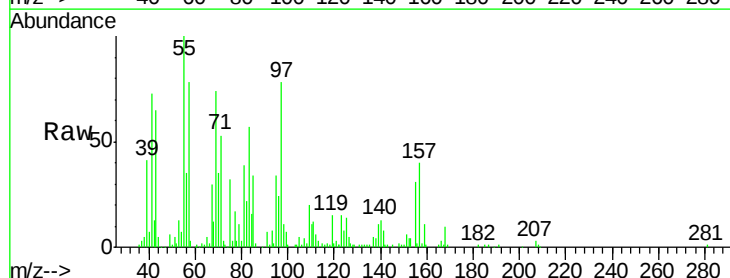
Tgt Ion: 75 Resp: 24178

Ion Ratio Lower Upper

75 100

155 90.2 48.1 144.3

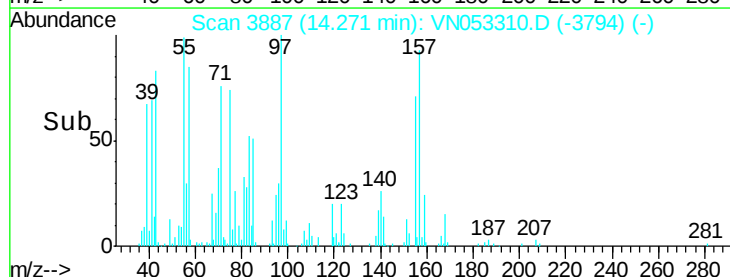
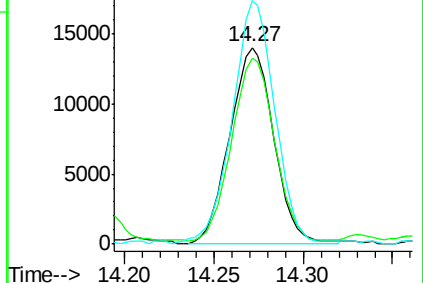
157 120.3 61.5 184.4

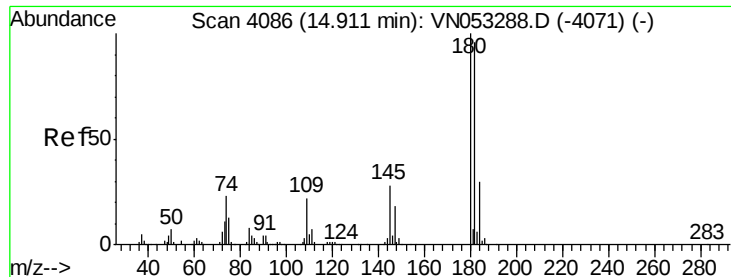


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

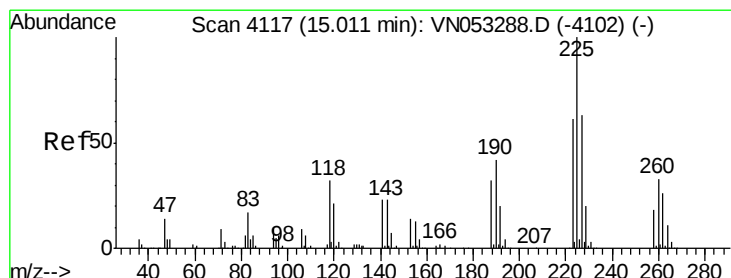
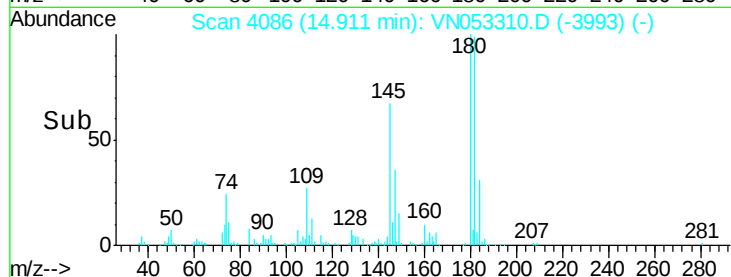
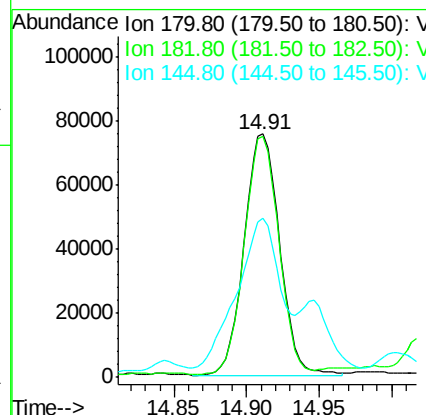
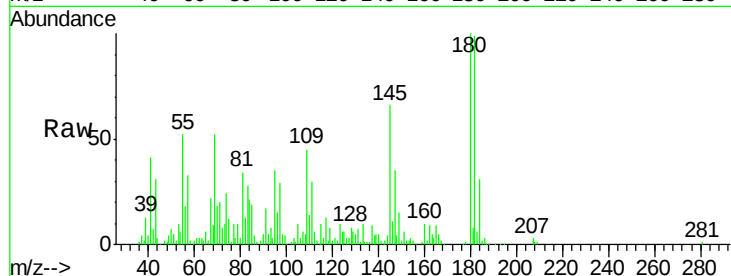




#93
 1,2,4-Trichlorobenzene
 Concen: 20.228 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

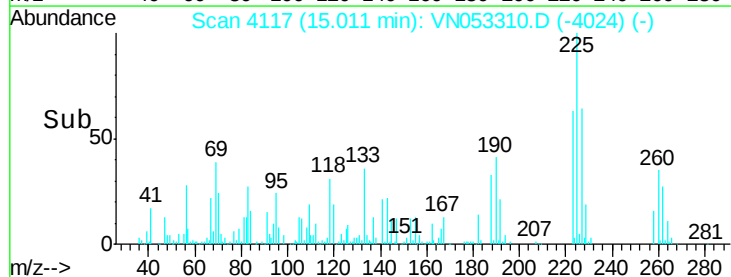
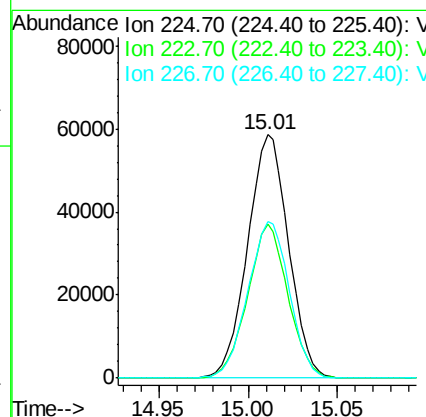
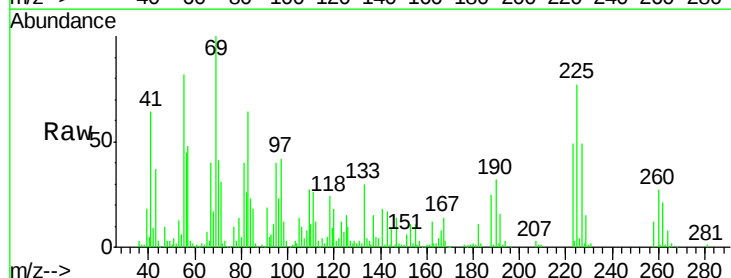
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBS01

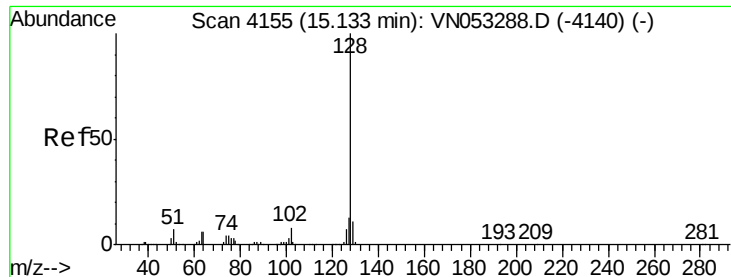
Tot Ion:180 Resp: 128186
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.8 143.4
 145 75.3 14.4 43.0#



#94
 Hexachlorobutadiene
 Concen: 18.150 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Tgt Ion:225 Resp: 94079
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.9 92.8
 227 65.1 31.4 94.2





#95

Naphthalene

Concen: 22.900 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

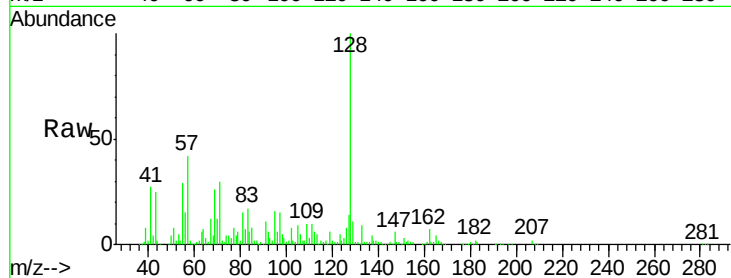
Tot Ion:128 Resp: 247559

Ion Ratio Lower Upper

128 100

127 15.5 10.4 15.6

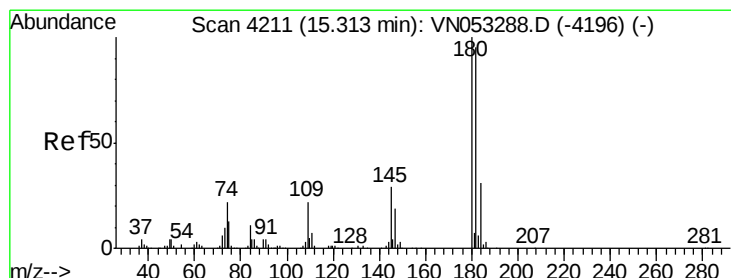
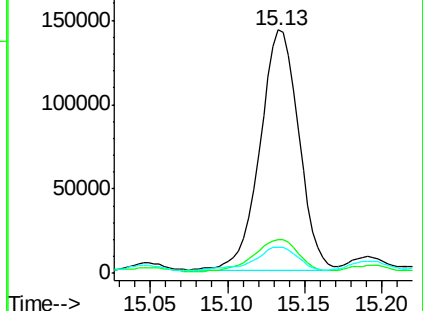
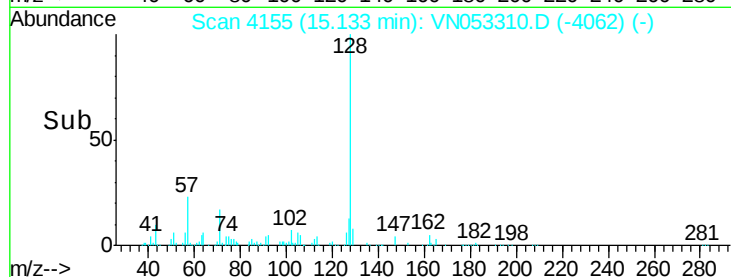
129 11.6 8.7 13.1



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: 23.546 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

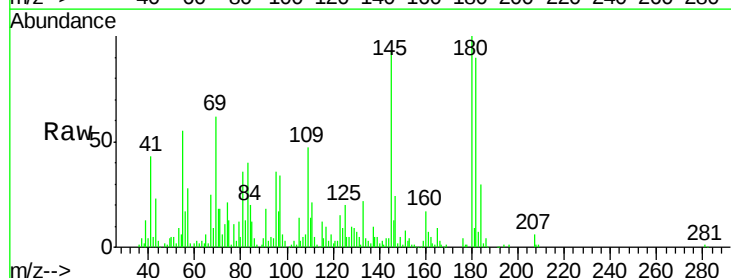
Tgt Ion:180 Resp: 97692

Ion Ratio Lower Upper

180 100

182 88.4 48.4 145.0

145 154.3 14.9 44.5#



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

