

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\
 Data File : VN053313.D
 Acq On : 8 Jan 2019 12:50
 Operator : MD\SY
 Sample : VN0108WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108WBSD01

Quant Time: Jan 09 00:09:45 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	1061498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1596949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1440518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	671594	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	521388	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
35) Dibromofluoromethane	7.59	113	442874	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	10.09	98	1912827	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	673777	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	180298	19.266	ug/l	99
3) Chloromethane	2.06	50	233763	17.887	ug/l	100
4) Vinyl Chloride	2.19	62	225479	18.077	ug/l	99
5) Bromomethane	2.57	94	154897	19.004	ug/l	98
6) Chloroethane	2.71	64	137227	18.227	ug/l	97
7) Trichlorofluoromethane	3.02	101	310640	19.227	ug/l	99
8) Diethyl Ether	3.41	74	121033	19.113	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	198220	19.358	ug/l	99
10) Methyl Iodide	3.96	142	287466	20.028	ug/l	99
11) Tert butyl alcohol	4.78	59	62132	93.538	ug/l	100
12) 1,1-Dichloroethene	3.74	96	190087	19.192	ug/l	99
13) Acrolein	3.61	56	77884	93.255	ug/l	98
14) Allyl chloride	4.33	41	306488	19.199	ug/l	96
15) Acrylonitrile	4.99	53	363562	91.687	ug/l	98
16) Acetone	3.82	43	246038	91.150	ug/l	99
17) Carbon Disulfide	4.06	76	554985	18.175	ug/l	100
18) Methyl Acetate	4.33	43	171571	17.166	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	538297	19.365	ug/l	99
20) Methylene Chloride	4.55	84	217734	18.357	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	206777	19.444	ug/l	97
22) Diisopropyl ether	5.95	45	664668	19.327	ug/l	96
23) Vinyl Acetate	5.90	43	2055388	94.987	ug/l	99
24) 1,1-Dichloroethane	5.85	63	382603	19.290	ug/l	100
25) 2-Butanone	6.84	43	414201	91.420	ug/l	99
26) 2,2-Dichloropropane	6.83	77	273671	18.875	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	237217	19.533	ug/l	99
28) Bromochloromethane	7.20	49	161251	19.078	ug/l	98
29) Tetrahydrofuran	7.21	42	275479	92.138	ug/l	99
30) Chloroform	7.37	83	370603	18.983	ug/l	100
31) Cyclohexane	7.66	56	363883	19.186	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	307796	18.920	ug/l	99
36) 1,1-Dichloropropene	7.80	75	298009	19.989	ug/l	98
37) Ethyl Acetate	6.93	43	185114	19.063	ug/l	100
38) Carbon Tetrachloride	7.78	117	264613	19.230	ug/l	99

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

39) Methylcyclohexane	9.08	83	338702	19.610	ug/l	99
40) Benzene	8.04	78	889668	19.536	ug/l	100
41) Methacrylonitrile	7.17	41	92008	15.261	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	259979	19.246	ug/l	99
43) Isopropyl Acetate	8.17	43	346218	18.123	ug/l	99
44) Trichloroethene	8.84	130	244875	19.583	ug/l	99
45) 1,2-Dichloropropane	9.12	63	233735	19.569	ug/l	98
46) Dibromomethane	9.21	93	134319	19.287	ug/l	99
47) Bromodichloromethane	9.40	83	274477	18.913	ug/l	100
48) Methyl methacrylate	9.20	41	165749	19.098	ug/l	99
49) 1,4-Dioxane	9.20	88	35467	383.557	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	928537	96.653	ug/l	99
52) Toluene	10.16	92	556937	19.934	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	285800	19.250	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	337973	19.700	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	194306	18.914	ug/l	99
56) Ethyl methacrylate	10.43	69	265797	19.910	ug/l	99
57) 1,3-Dichloropropane	10.71	76	334190	19.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	680887	94.342	ug/l	99
59) 2-Hexanone	10.75	43	631788	95.984	ug/l	99
60) Dibromochloromethane	10.90	129	207878	18.761	ug/l	99
61) 1,2-Dibromoethane	11.01	107	199407	19.670	ug/l	100
64) Tetrachloroethene	10.63	164	263592	19.442	ug/l	99
65) Chlorobenzene	11.43	112	614072	19.623	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	212484	19.399	ug/l	99
67) Ethyl Benzene	11.51	91	1063511	20.000	ug/l	99
68) m/p-Xylenes	11.62	106	809335	40.477	ug/l	100
69) o-Xylene	11.95	106	396507	20.255	ug/l	99
70) Styrene	11.96	104	647643	20.328	ug/l	99
71) Bromoform	12.13	173	146827	18.978	ug/l #	99
73) Isopropylbenzene	12.25	105	1036655	20.732	ug/l	100
74) N-amyl acetate	12.07	43	307758	20.612	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	229618	19.963	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	299567	30.582	ug/l #	100
77) Bromobenzene	12.53	156	288638	21.628	ug/l	92
78) n-propylbenzene	12.59	91	1171283	20.709	ug/l	99
79) 2-Chlorotoluene	12.68	91	697905	20.393	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	840292	20.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65653	19.719	ug/l	99
82) 4-Chlorotoluene	12.77	91	713448	20.330	ug/l	100
83) tert-Butylbenzene	12.99	119	722897	20.457	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	840656	20.488	ug/l	100
85) sec-Butylbenzene	13.17	105	957324	20.542	ug/l	100
86) p-Isopropyltoluene	13.29	119	839358	20.802	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	472762	20.117	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	463640	19.888	ug/l	98
89) n-Butylbenzene	13.62	91	690049	20.398	ug/l	100
90) Hexachloroethane	13.87	117	119479	18.474	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	435956	19.804	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26969	19.331	ug/l	96

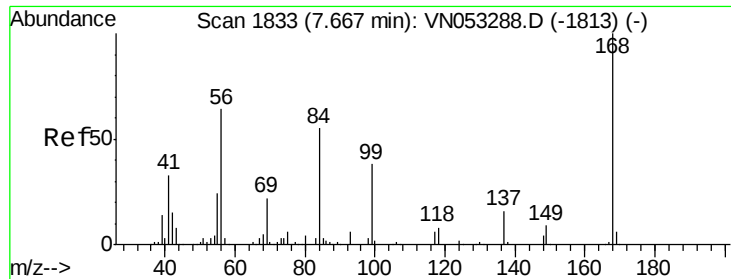
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	147158	21.261	ug/l	98
94) Hexachlorobutadiene	15.01	225	122123	21.571	ug/l	98
95) Naphthalene	15.13	128	276715	23.435	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	104352	23.027	ug/l	96

(#) = 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: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

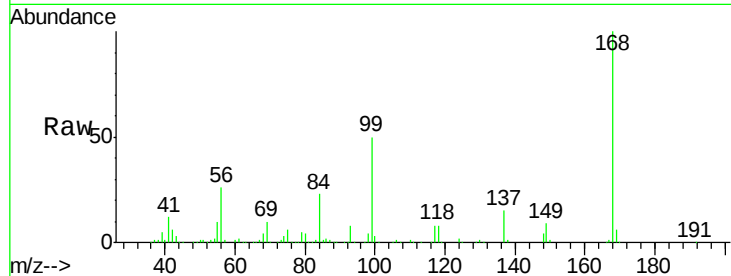
VN0108WBSD01

Tot Ion:168 Resp: 1061498

Ion Ratio Lower Upper

168 100

99 49.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

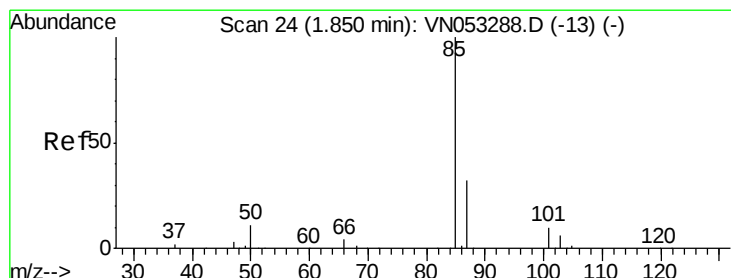
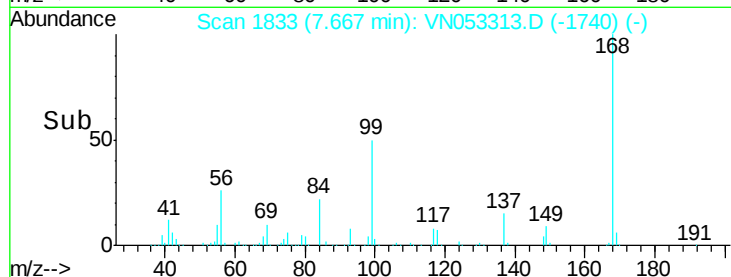
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.266 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053313.D

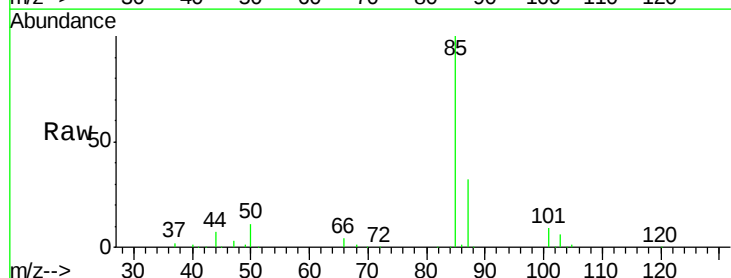
Acq: 8 Jan 2019 12:50

Tgt Ion: 85 Resp: 180298

Ion Ratio Lower Upper

85 100

87 31.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

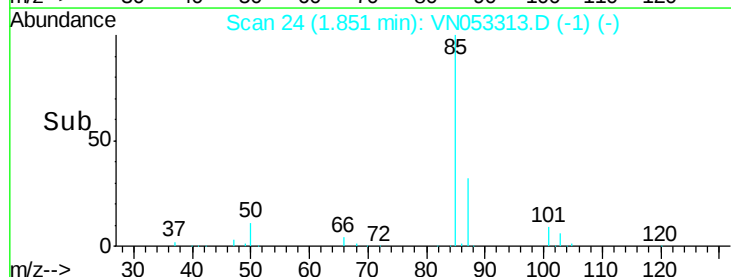
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 17.887 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

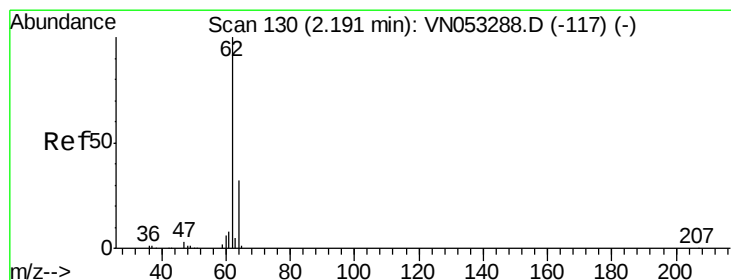
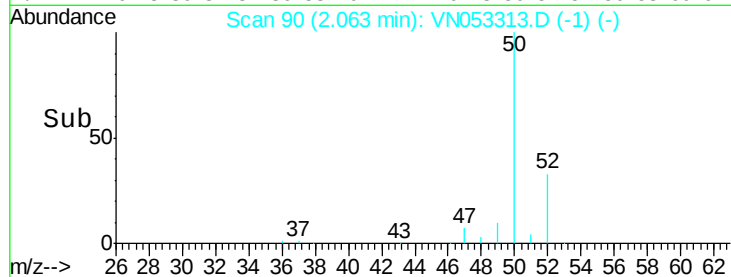
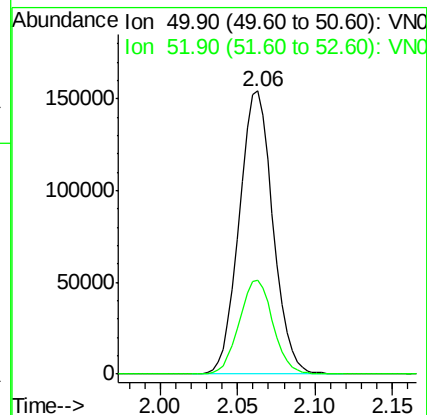
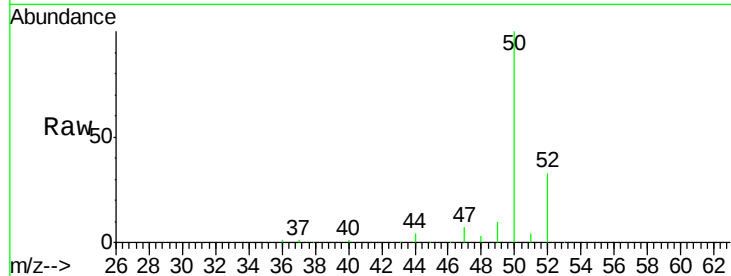
VN0108WBSD01

Tot Ion: 50 Resp: 233763

Ion Ratio Lower Upper

50 100

52 33.1 26.6 40.0



#4

Vinyl Chloride

Concen: 18.077 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053313.D

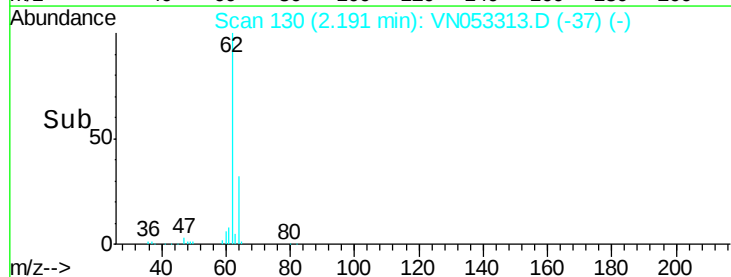
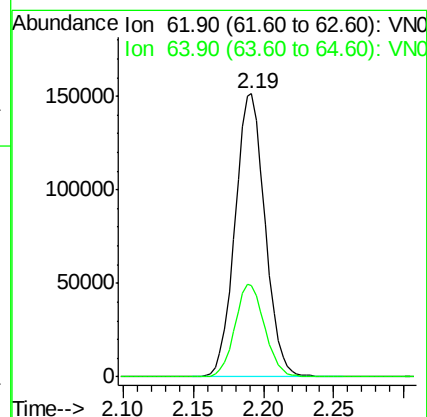
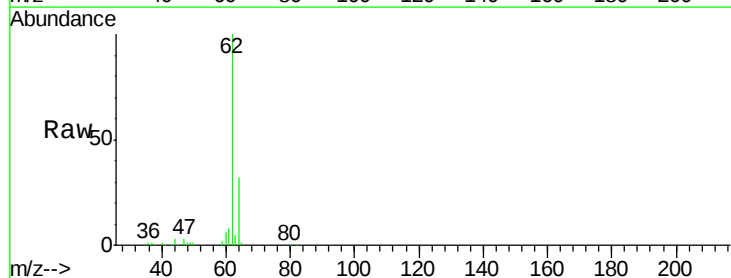
Acq: 8 Jan 2019 12:50

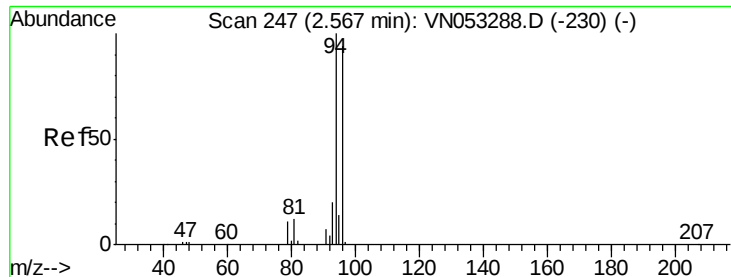
Tgt Ion: 62 Resp: 225479

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 19.004 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

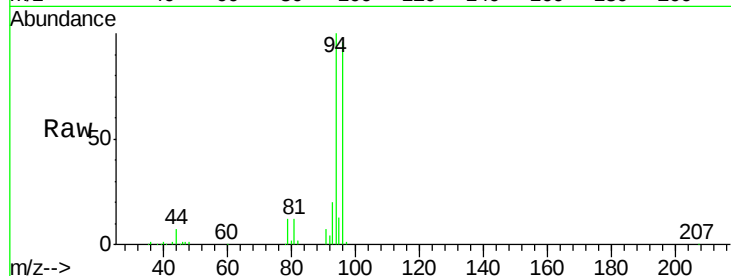
VN0108WBSD01

Tot Ion: 94 Resp: 154897

Ion Ratio Lower Upper

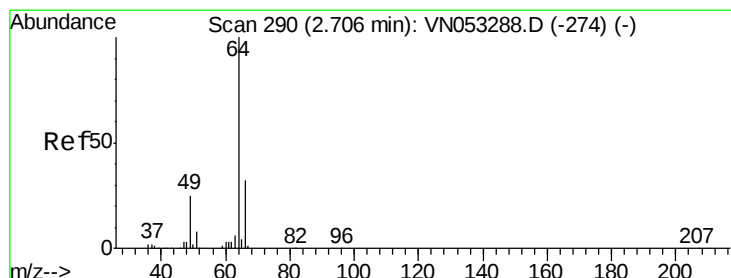
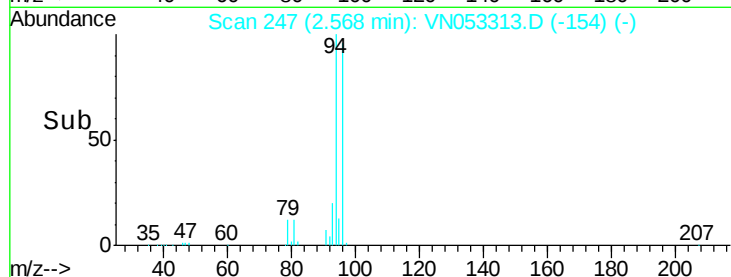
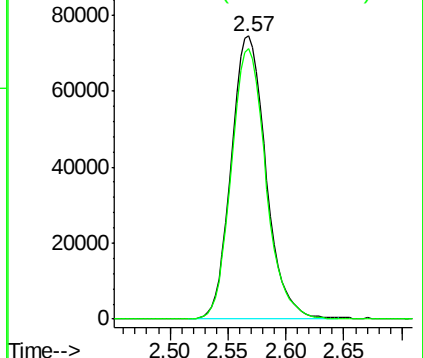
94 100

96 95.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.227 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053313.D

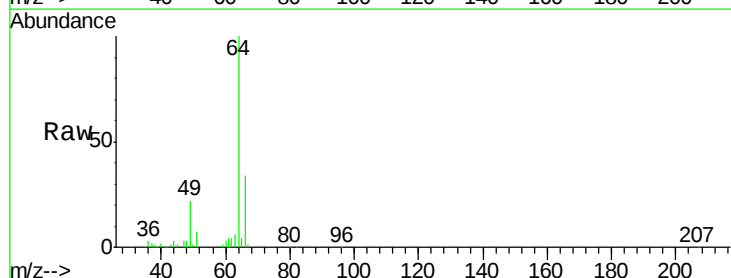
Acq: 8 Jan 2019 12:50

Tgt Ion: 64 Resp: 137227

Ion Ratio Lower Upper

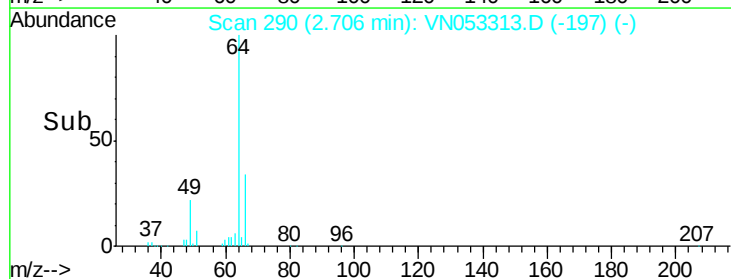
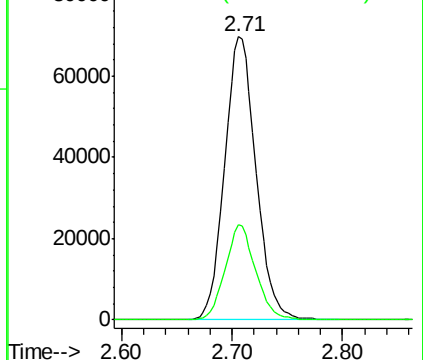
64 100

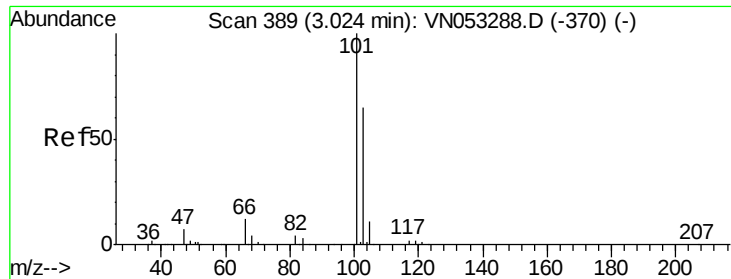
66 33.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



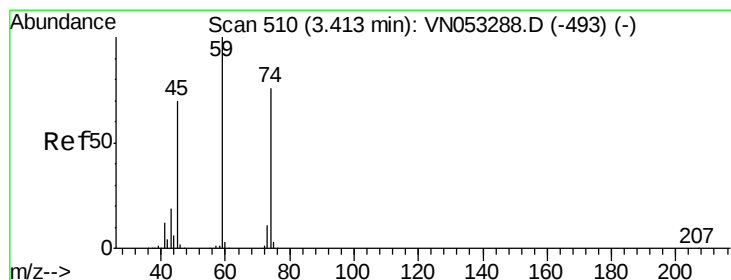
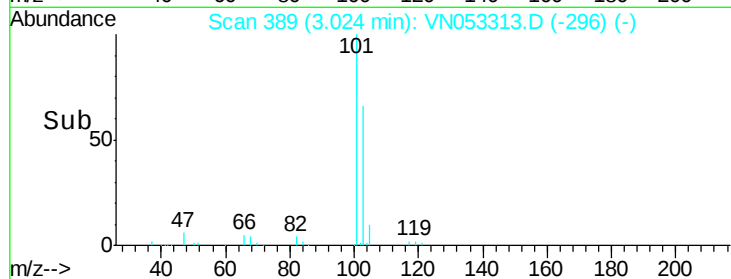
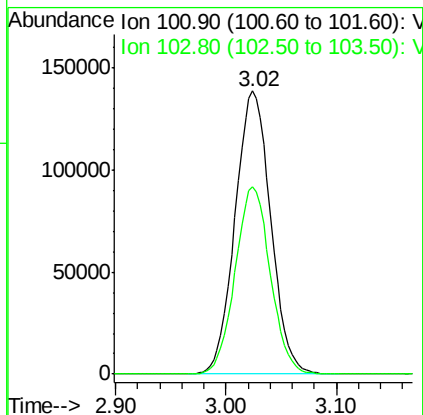
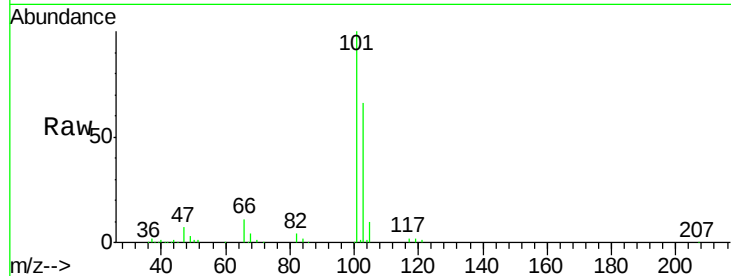


#7

Trichlorofluoromethane
 Concen: 19.227 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

Instrument :
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 ClientSampleId :
 VN0108WBSD01

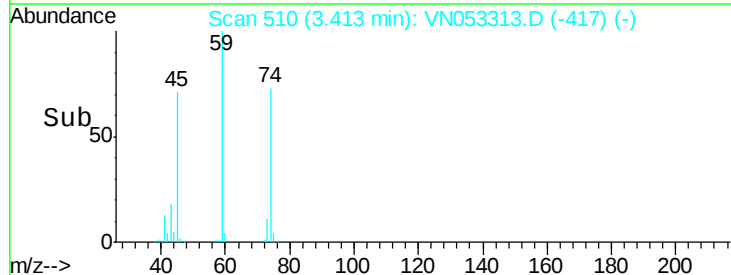
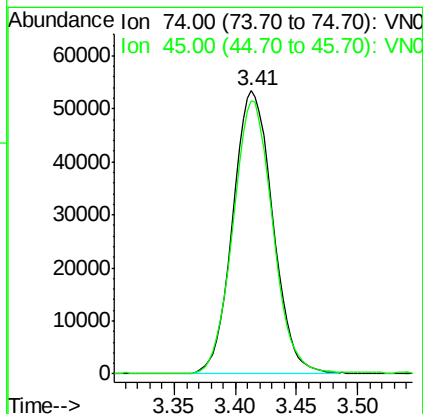
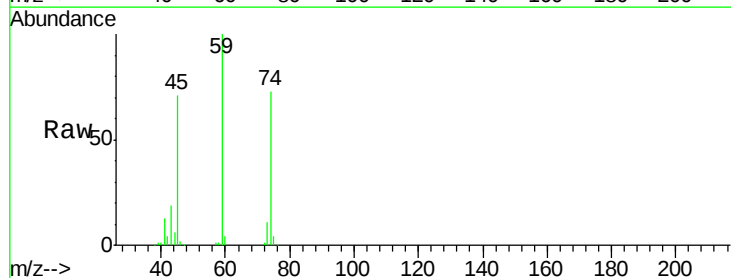
Tot Ion:101 Resp: 310640
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.1 78.1

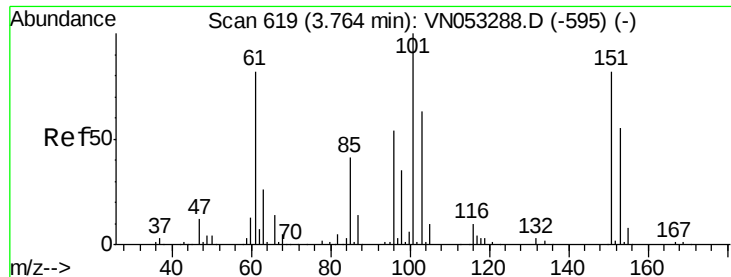


#8

Diethyl Ether
 Concen: 19.113 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

Tgt Ion: 74 Resp: 121033
 Ion Ratio Lower Upper
 74 100
 45 96.0 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.358 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0108WBSD01

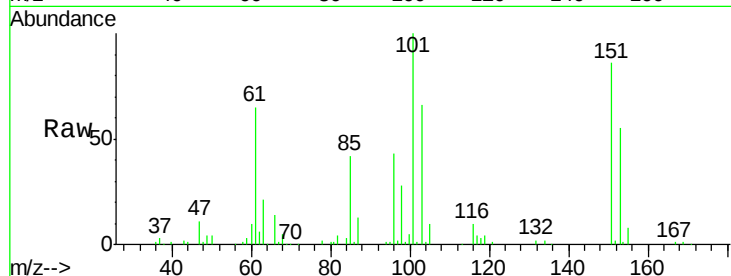
Tot Ion:101 Resp: 198220

Ion Ratio Lower Upper

101 100

85 40.9 33.3 49.9

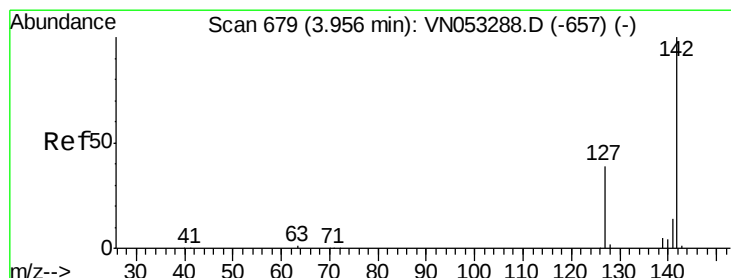
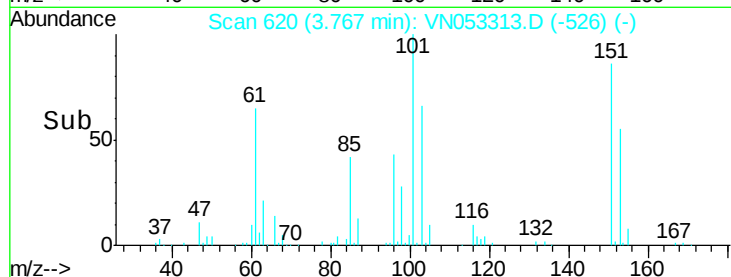
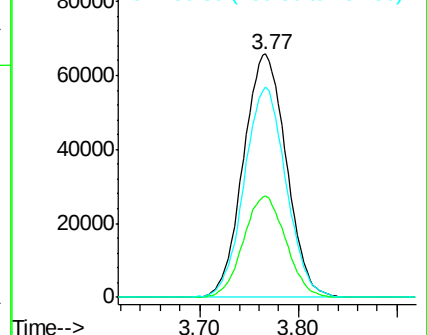
151 84.2 67.0 100.4



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: 20.028 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

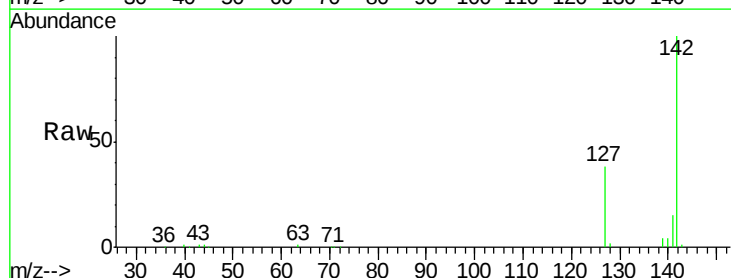
Tgt Ion:142 Resp: 287466

Ion Ratio Lower Upper

142 100

127 38.1 30.9 46.3

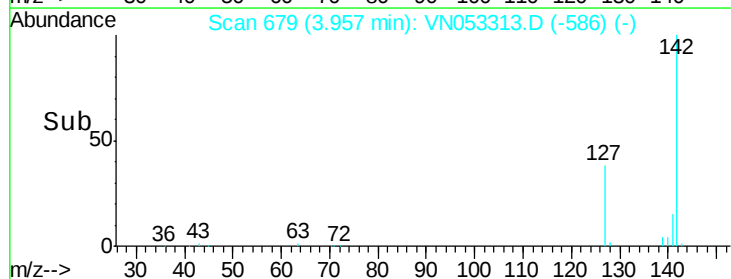
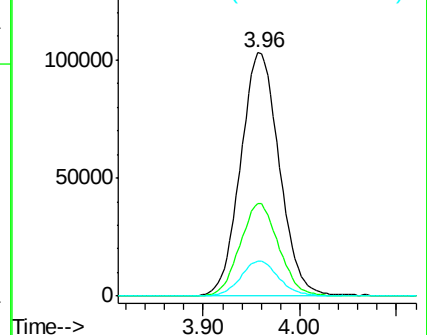
141 14.2 11.2 16.8

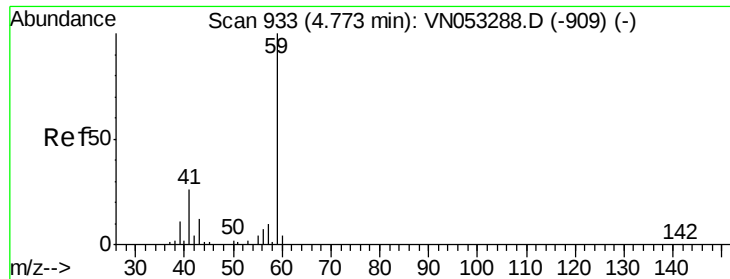


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

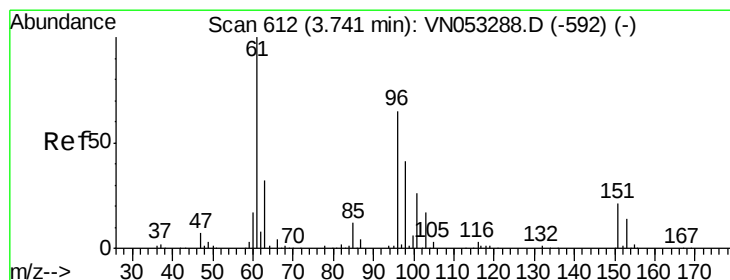
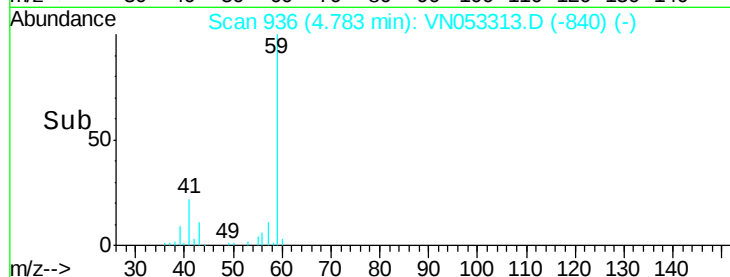
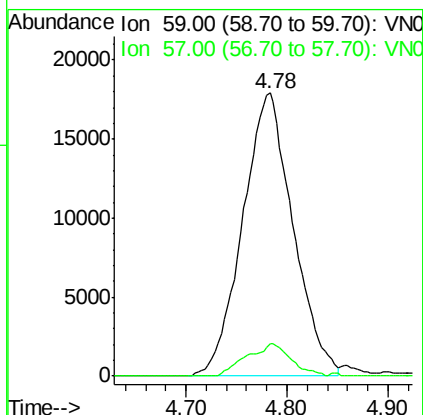
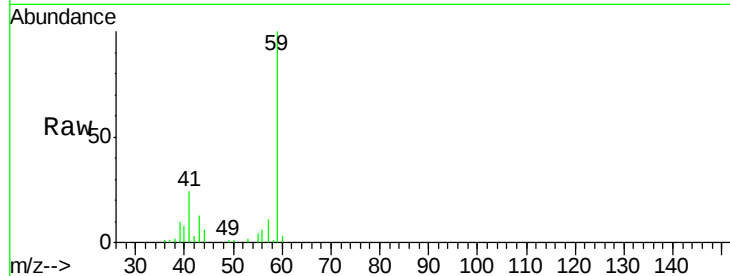




#11
Tert butyl alcohol
Concen: 93.538 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

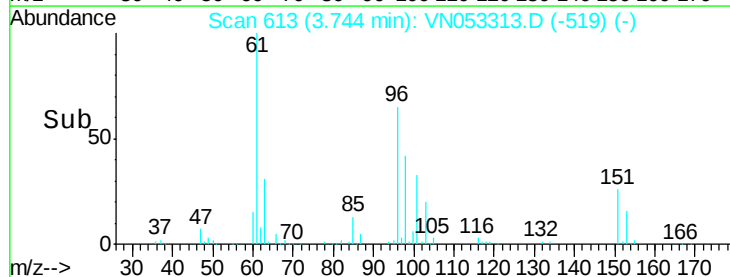
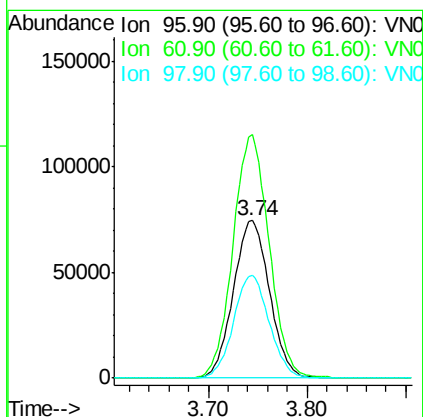
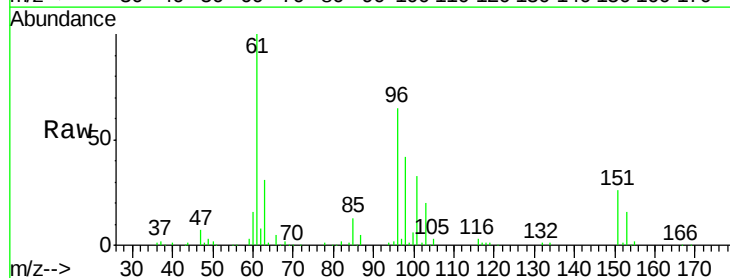
Instrument :
MSVOA_N
ClientSampleId :
VN0108WBSD01

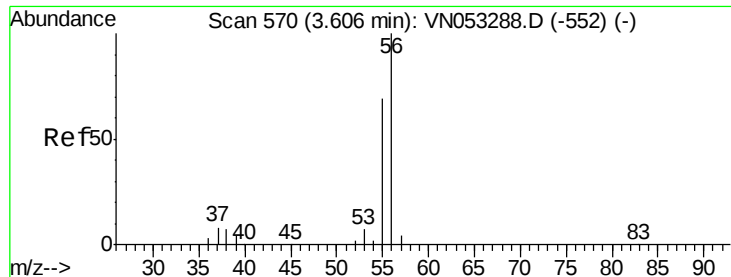
Tot Ion: 59 Resp: 62132
Ion Ratio Lower Upper
59 100
57 10.1 8.0 12.0



#12
1,1-Dichloroethene
Concen: 19.192 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

Tgt Ion: 96 Resp: 190087
Ion Ratio Lower Upper
96 100
61 154.7 123.2 184.8
98 65.4 50.5 75.7





#13

Acrolein

Concen: 93.255 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

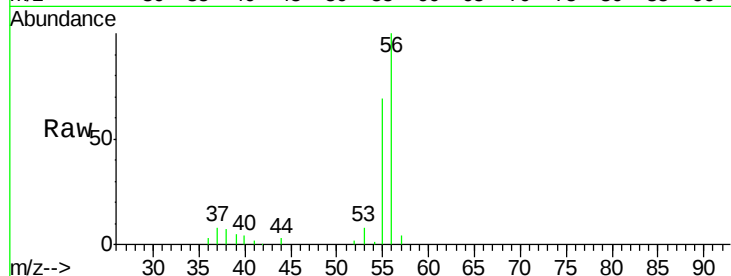
VN0108WBSD01

Tot Ion: 56 Resp: 77884

Ion Ratio Lower Upper

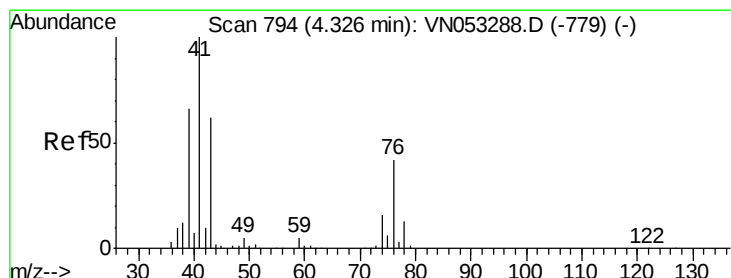
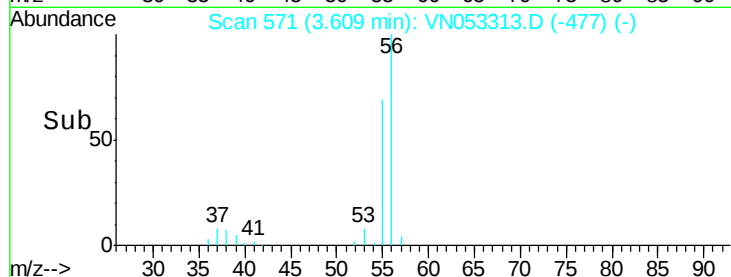
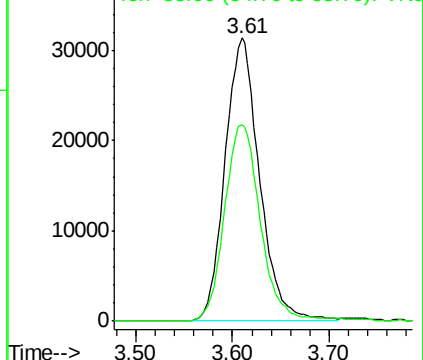
56 100

55 72.2 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.199 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

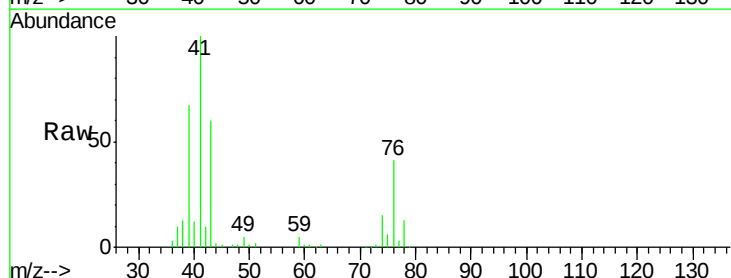
Tgt Ion: 41 Resp: 306488

Ion Ratio Lower Upper

41 100

39 61.7 51.9 77.9

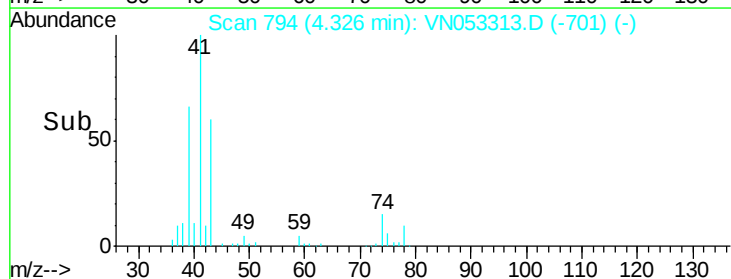
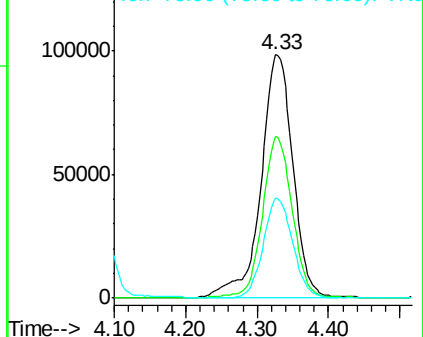
76 37.3 31.2 46.8

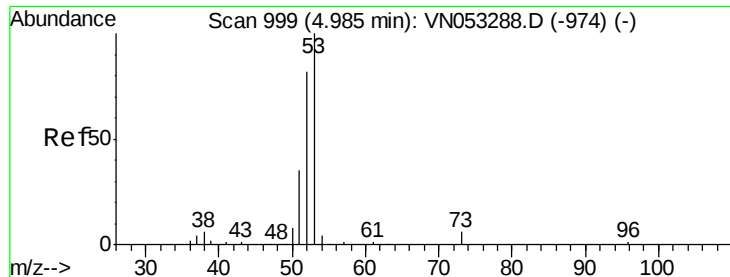


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 91.687 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampled :

VN0108WBSD01

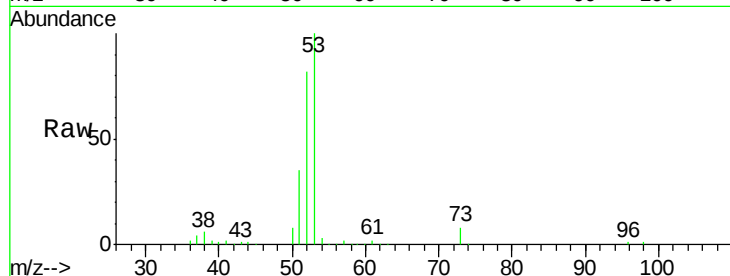
Tot Ion: 53 Resp: 363562

Ion Ratio Lower Upper

53 100

52 83.3 65.2 97.8

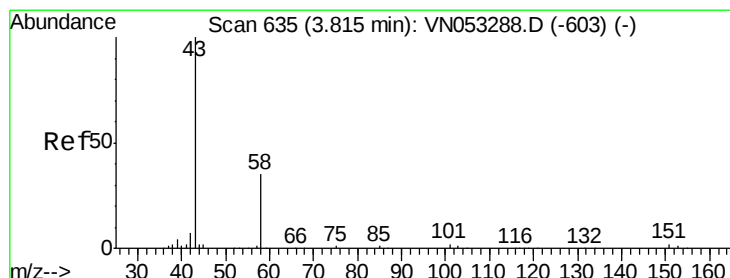
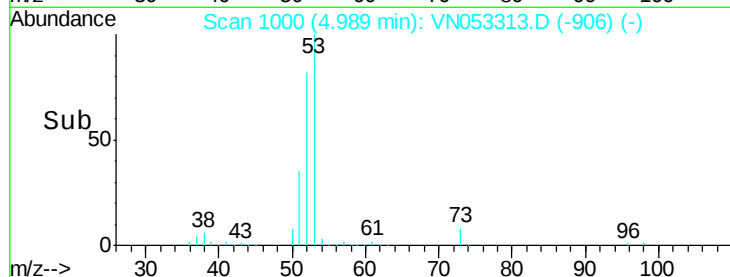
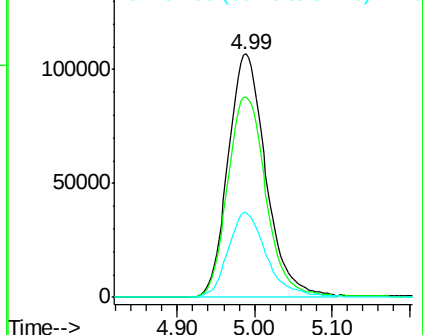
51 35.4 28.0 42.0



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: 91.150 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053313.D

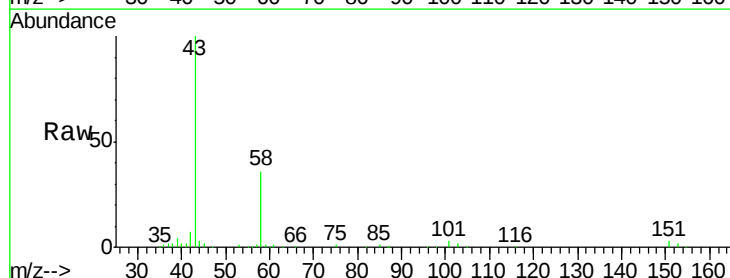
Acq: 8 Jan 2019 12:50

Tgt Ion: 43 Resp: 246038

Ion Ratio Lower Upper

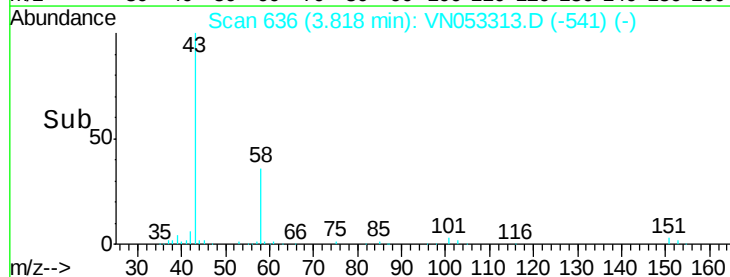
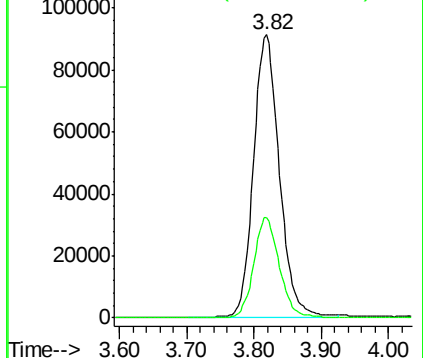
43 100

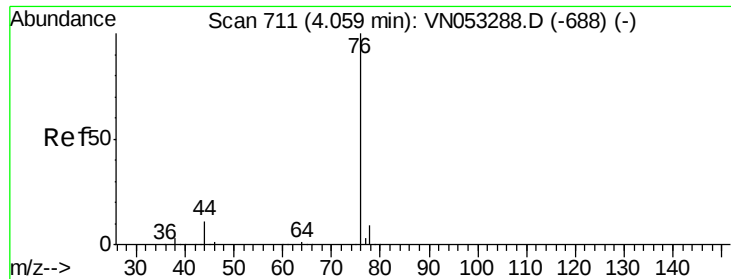
58 35.3 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

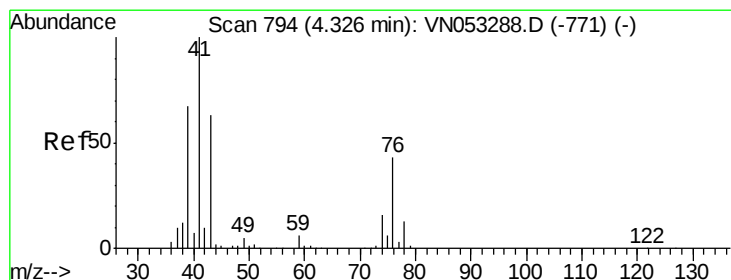
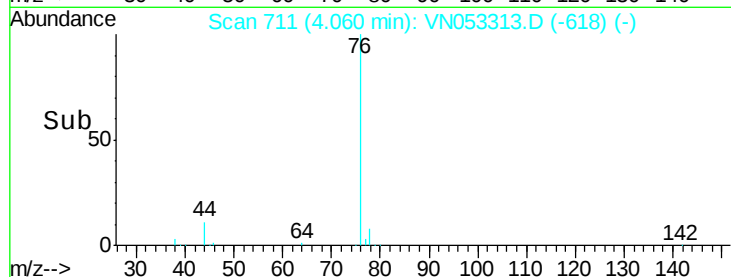
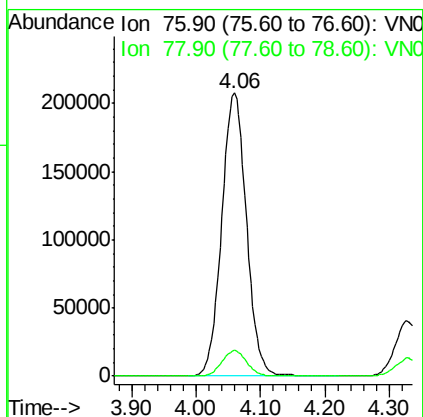
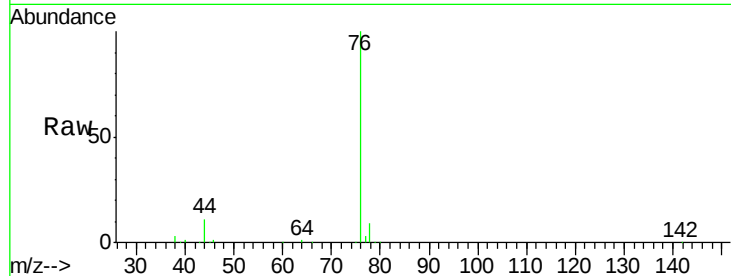




#17
Carbon Disulfide
Concen: 18.175 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

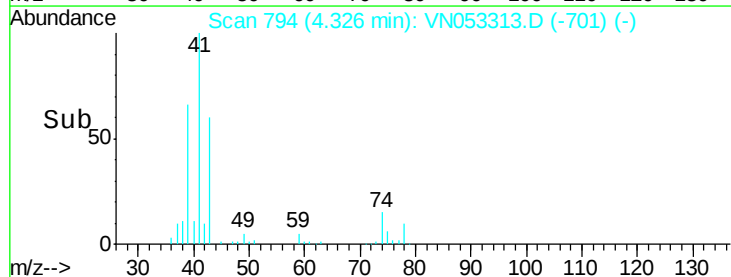
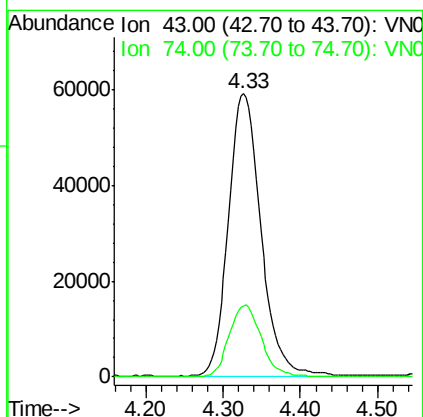
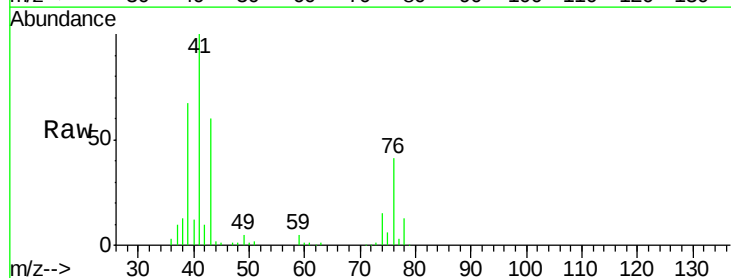
Instrument :
MSVOA_N
ClientSampleId :
VN0108WBSD01

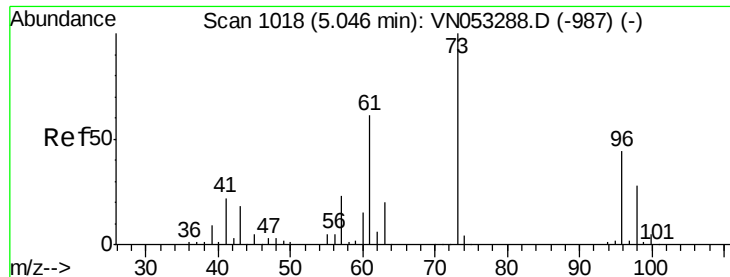
Tot Ion: 76 Resp: 554985
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 17.166 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

Tgt Ion: 43 Resp: 171571
Ion Ratio Lower Upper
43 100
74 25.1 19.8 29.8

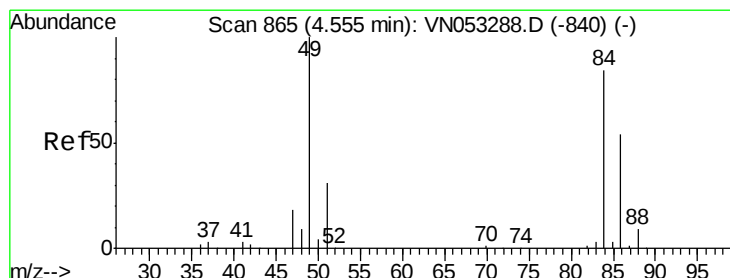
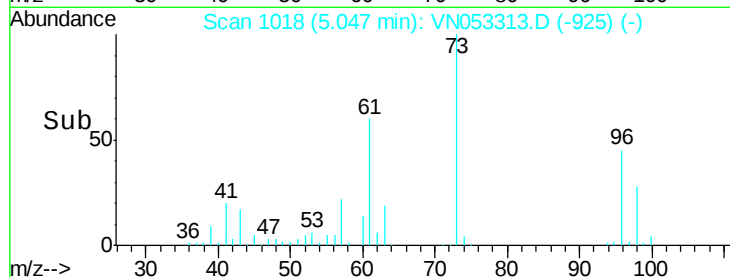
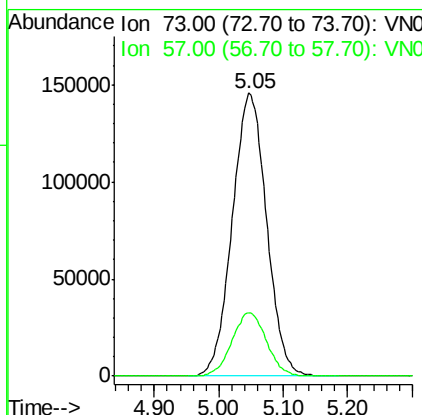
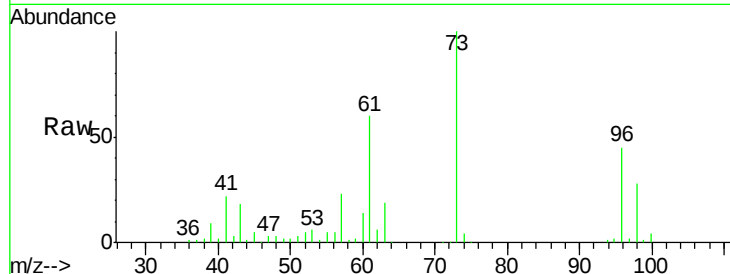




#19
Methyl tert-butyl Ether
Concen: 19.365 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

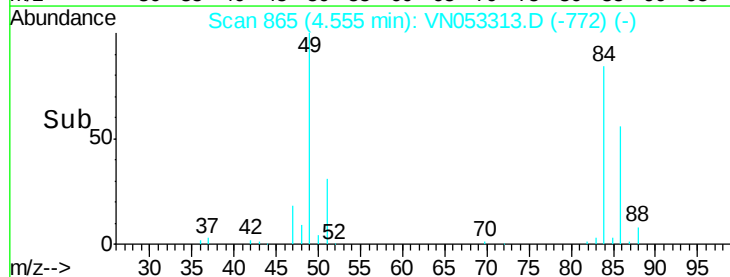
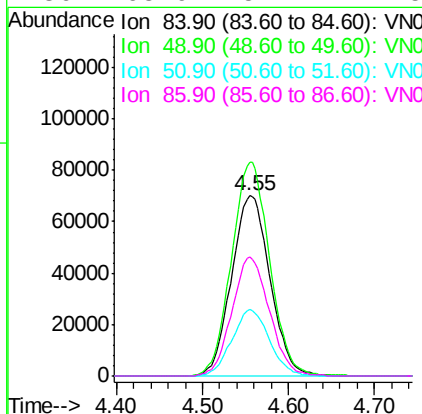
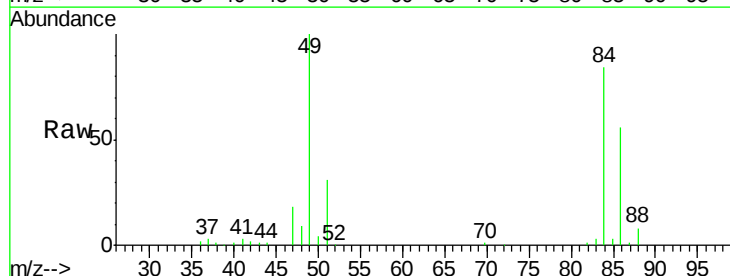
Instrument :
MSVOA_N
ClientSampleId :
VN0108WBSD01

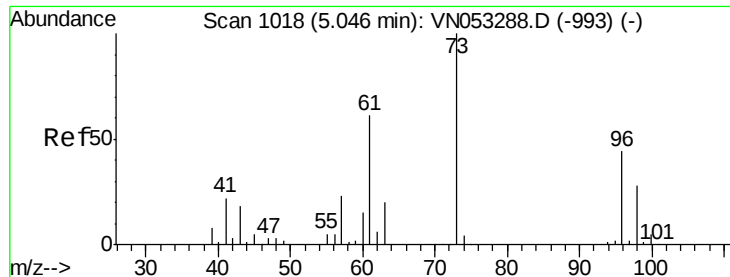
Tot Ion: 73 Resp: 538297
Ion Ratio Lower Upper
73 100
57 22.5 18.5 27.7



#20
Methylene Chloride
Concen: 18.357 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

Tgt Ion: 84 Resp: 217734
Ion Ratio Lower Upper
84 100
49 118.5 95.3 142.9
51 36.7 29.0 43.6
86 65.9 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 19.444 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0108WBSD01

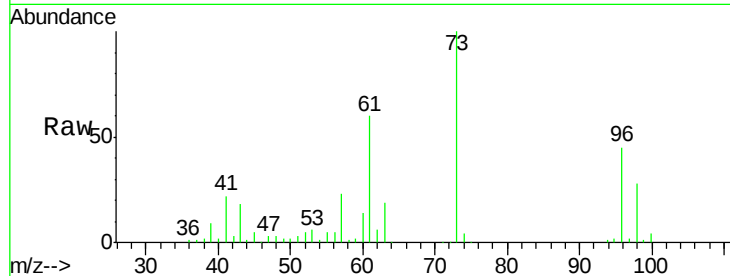
Tot Ion: 96 Resp: 206777

Ion Ratio Lower Upper

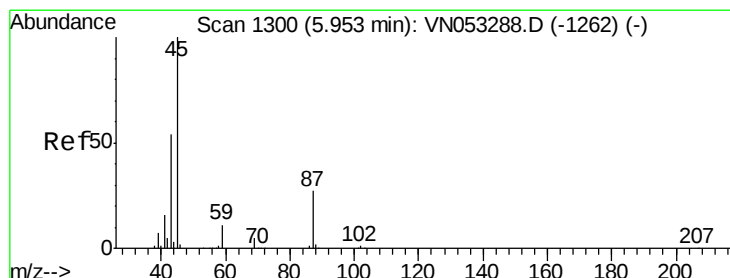
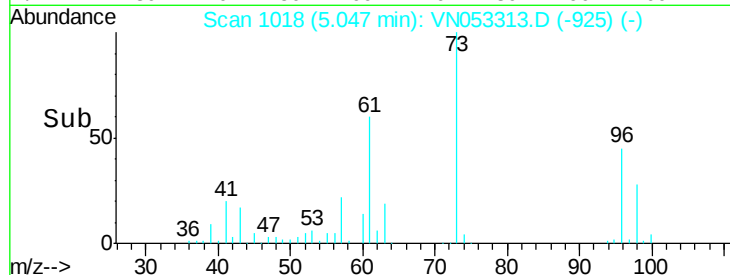
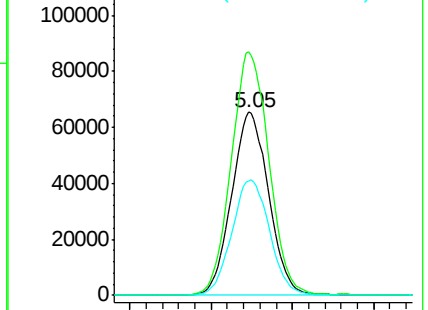
96 100

61 132.6 110.2 165.4

98 62.7 50.7 76.1



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



#22

Diisopropyl ether

Concen: 19.327 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Tgt Ion: 45 Resp: 664668

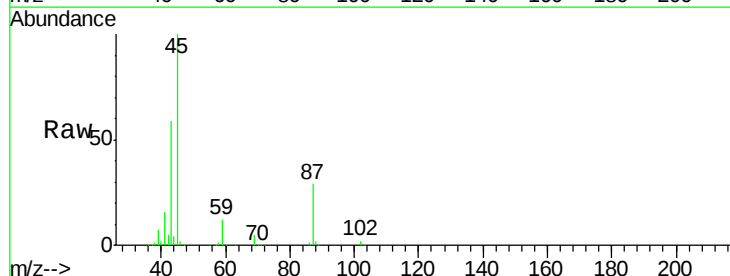
Ion Ratio Lower Upper

45 100

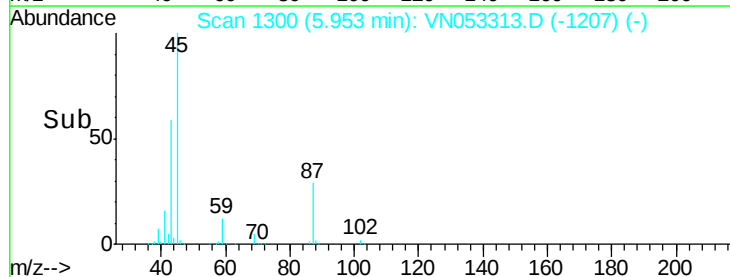
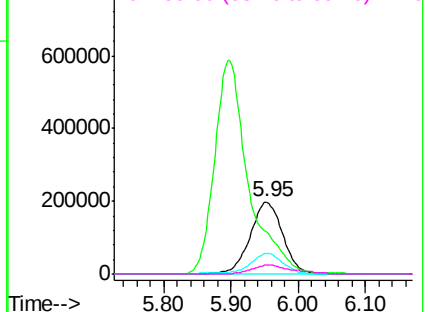
43 57.4 43.0 64.6

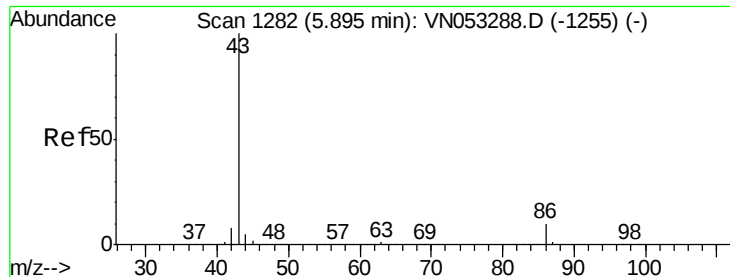
87 29.2 22.1 33.1

59 11.8 9.0 13.4



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

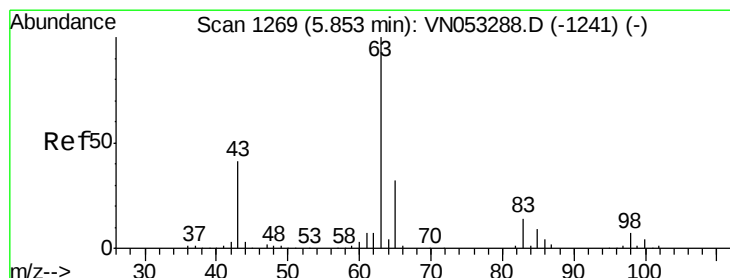
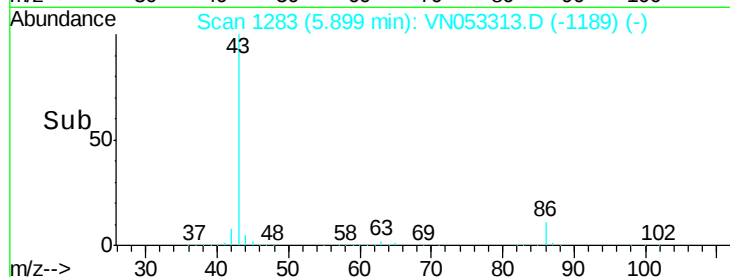
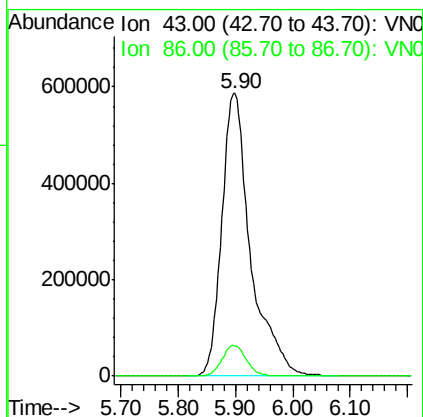
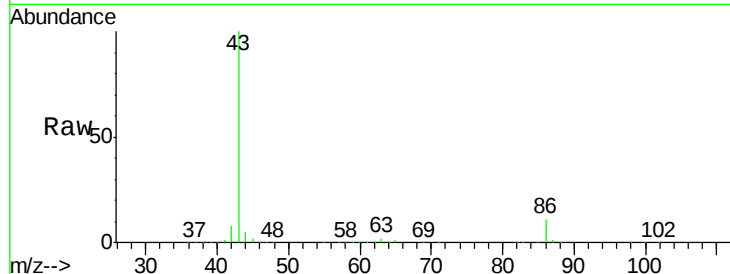




#23
 Vinyl Acetate
 Concen: 94.987 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

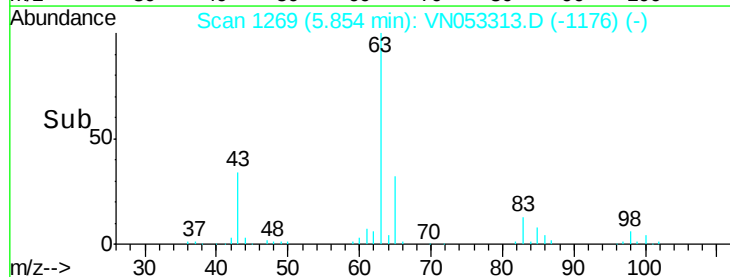
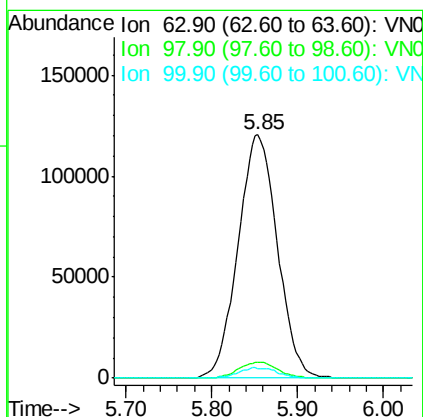
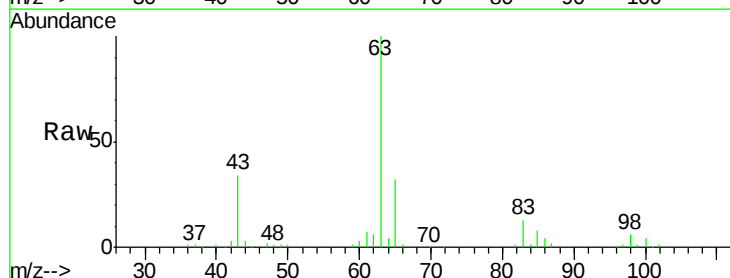
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108WBSD01

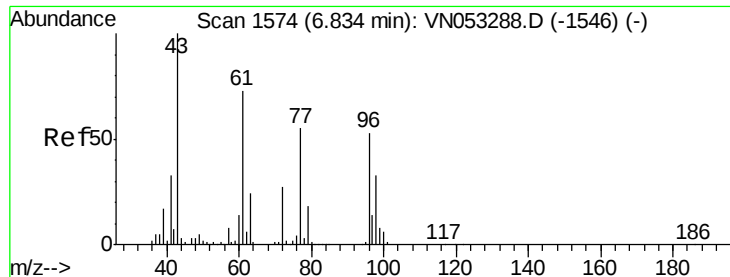
Tot Ion: 43 Resp: 2055388
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 19.290 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

Tgt Ion: 63 Resp: 382603
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 91.420 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

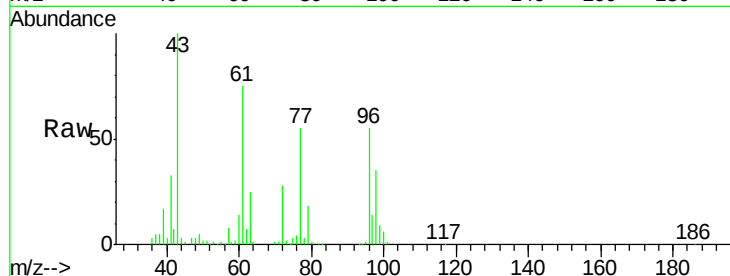
VN0108WBSD01

Tot Ion: 43 Resp: 414201

Ion Ratio Lower Upper

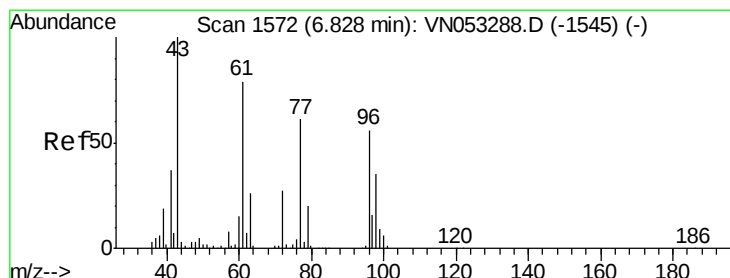
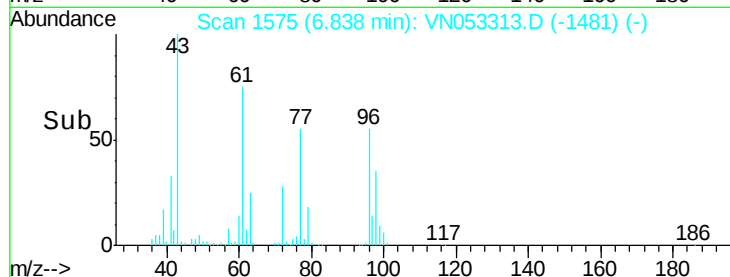
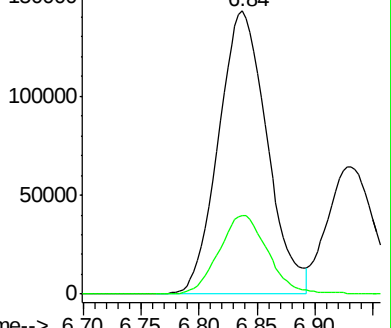
43 100

72 28.0 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.875 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053313.D

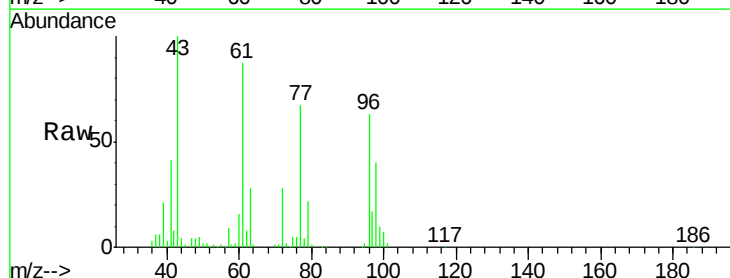
Acq: 8 Jan 2019 12:50

Tgt Ion: 77 Resp: 273671

Ion Ratio Lower Upper

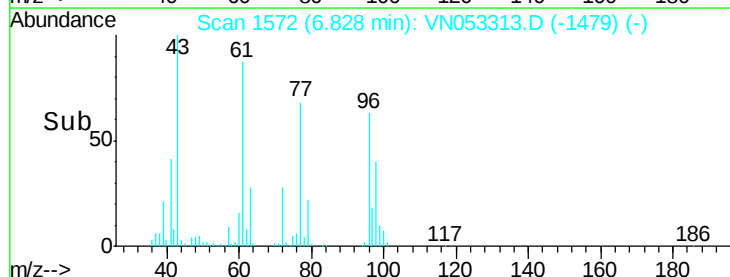
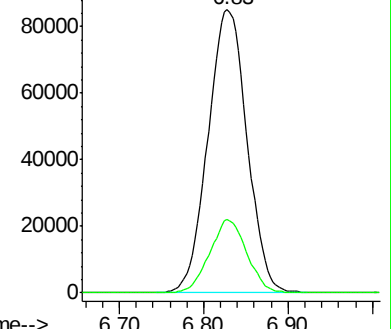
77 100

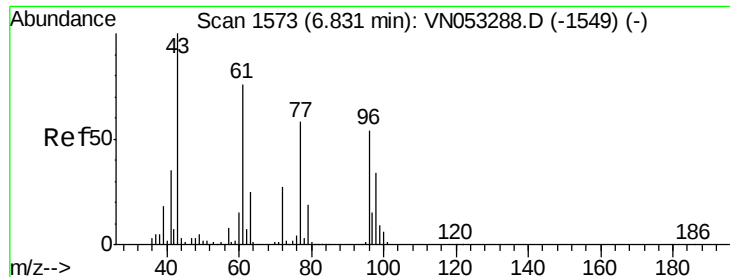
97 24.6 12.3 36.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.533 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

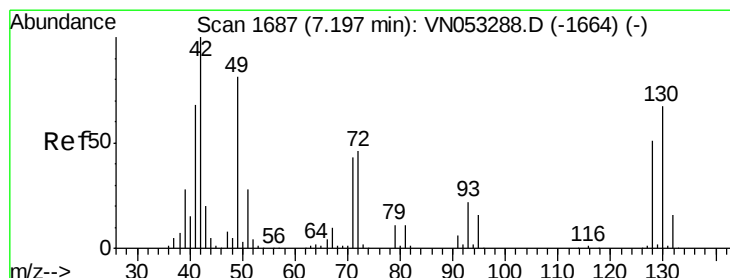
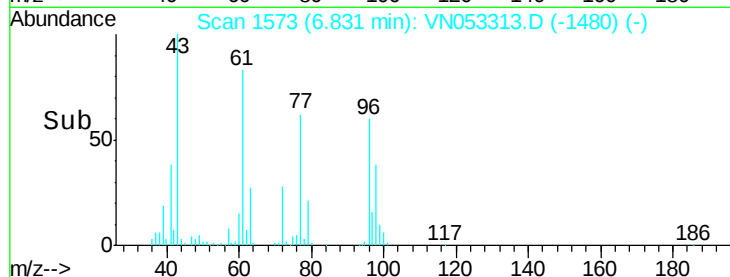
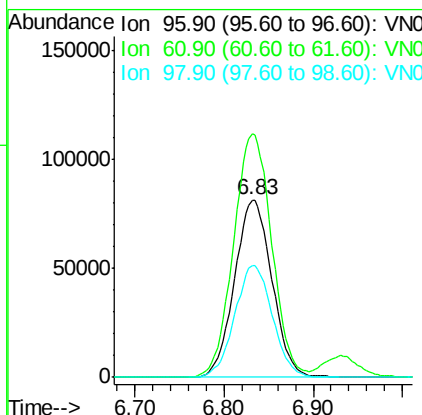
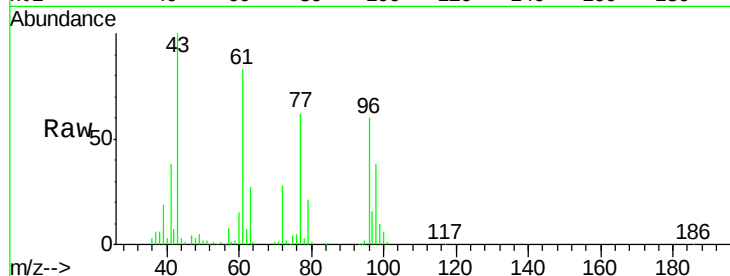
Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :
MSVOA_N
ClientSampled :
VN0108WBSD01

Tot Ion: 96 Resp: 237217

Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	280.6
98	63.4	0.0	127.6



#28

Bromochloromethane

Concen: 19.078 ug/l

RT: 7.20 min Scan# 1687

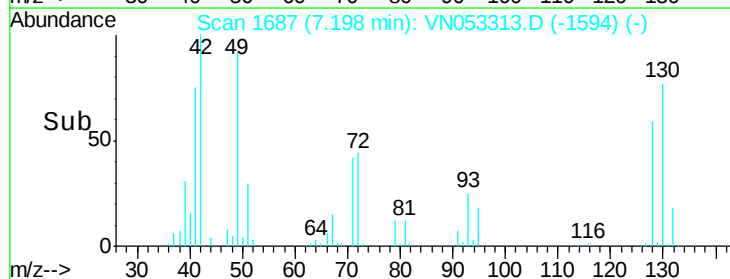
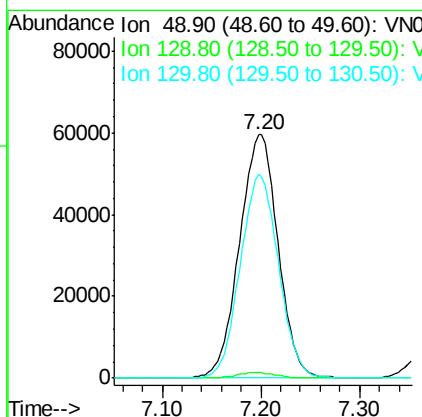
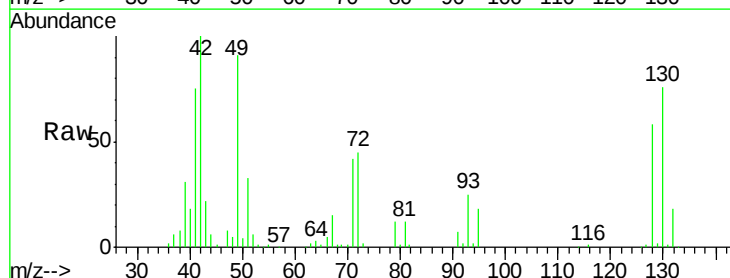
Delta R.T. 0.00 min

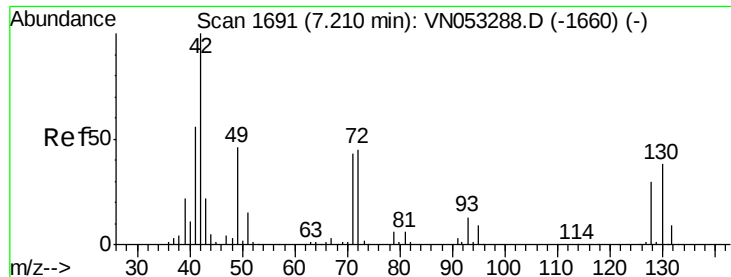
Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Tgt Ion: 49 Resp: 161251

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	83.2	65.4	98.0





#29

Tetrahydrofuran

Concen: 92.138 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0108WBSD01

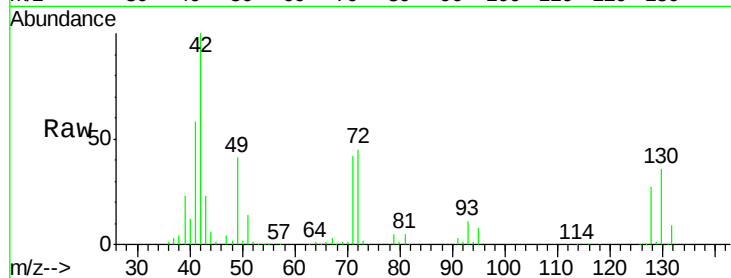
Tot Ion: 42 Resp: 275479

Ion Ratio Lower Upper

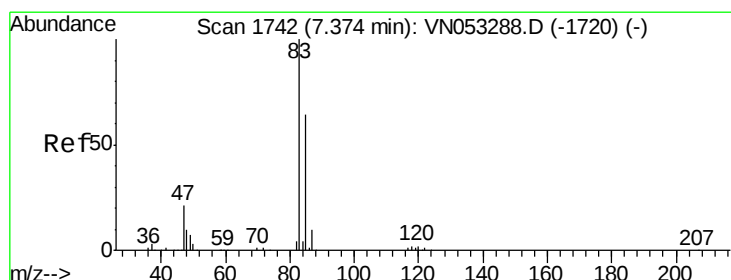
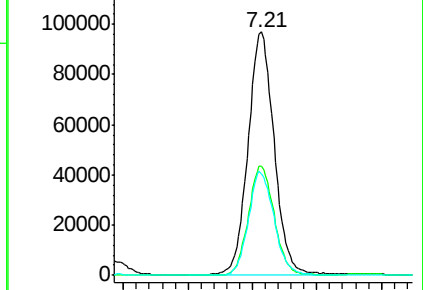
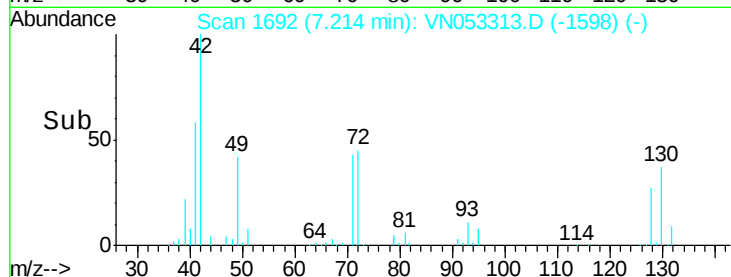
42 100

72 44.2 35.6 53.4

71 41.4 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VN053313.D (-1598) (-)



#30

Chloroform

Concen: 18.983 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053313.D

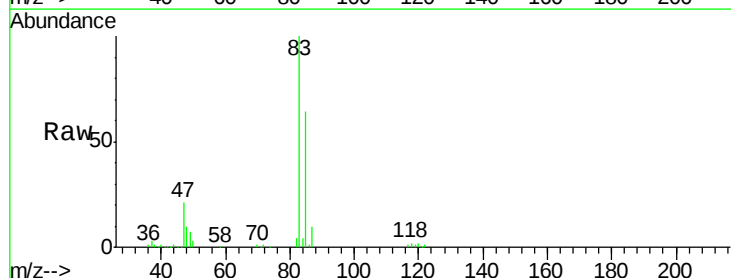
Acq: 8 Jan 2019 12:50

Tgt Ion: 83 Resp: 370603

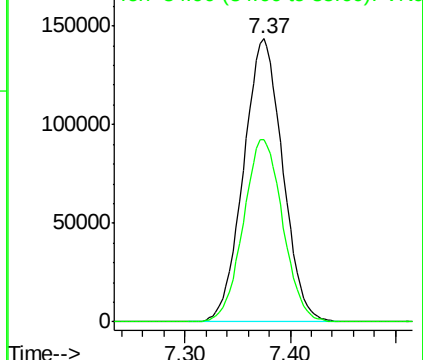
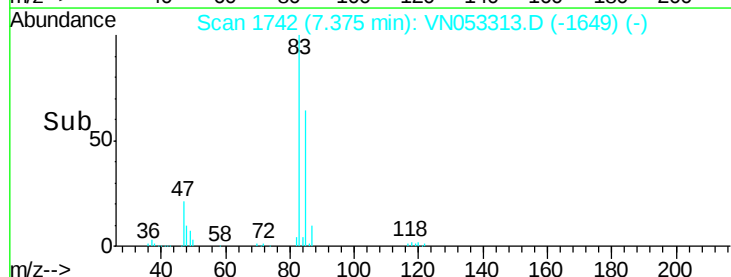
Ion Ratio Lower Upper

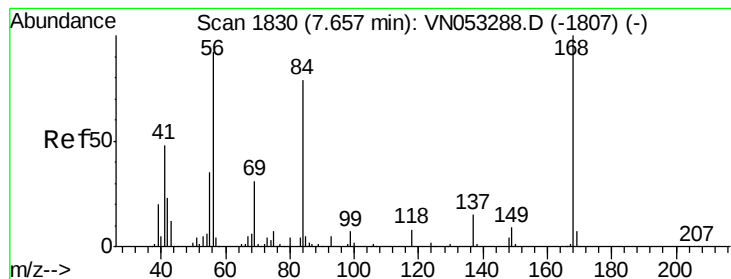
83 100

85 64.4 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN053313.D (-1649) (-)





#31

Cyclohexane

Concen: 19.186 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0108WBSD01

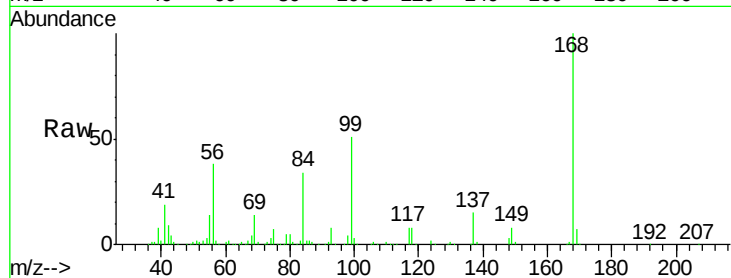
Tot Ion: 56 Resp: 363883

Ion Ratio Lower Upper

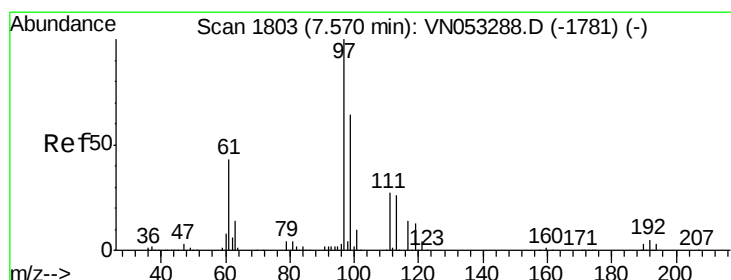
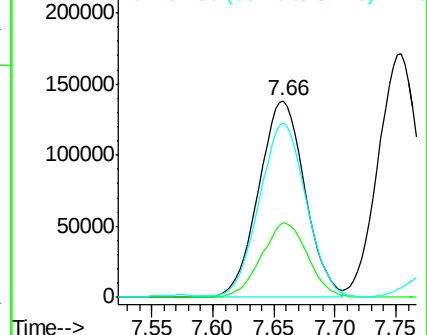
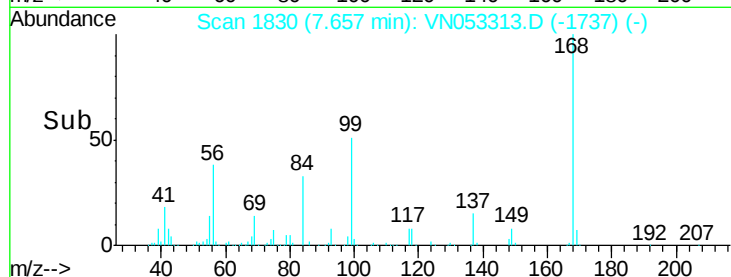
56 100

69 38.0 26.7 40.1

84 87.7 68.2 102.4



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



#32

1,1,1-Trichloroethane

Concen: 18.920 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

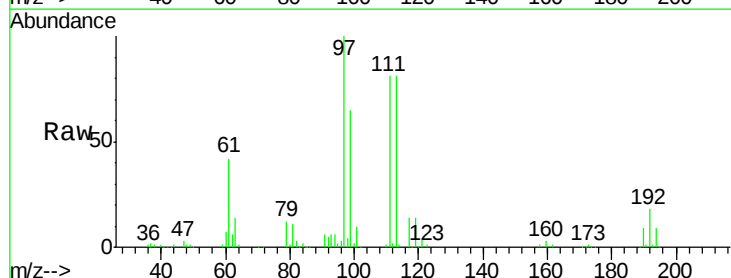
Tgt Ion: 97 Resp: 307796

Ion Ratio Lower Upper

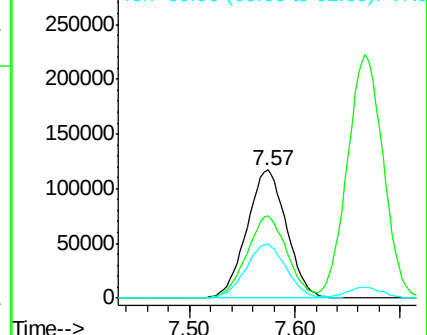
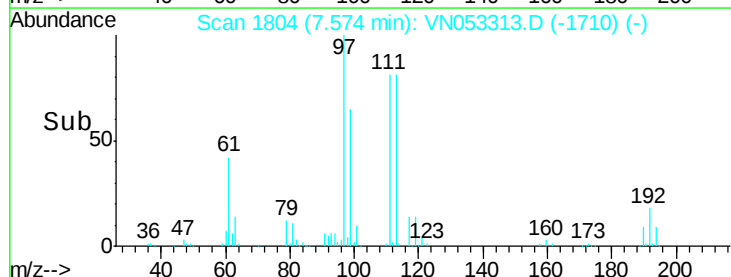
97 100

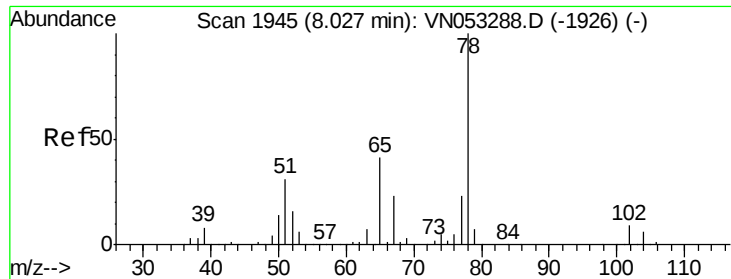
99 64.3 51.6 77.4

61 42.6 34.6 52.0



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

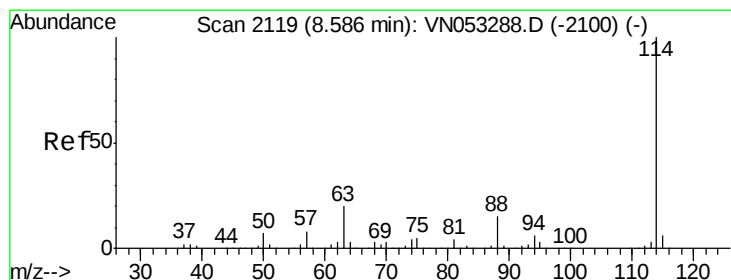
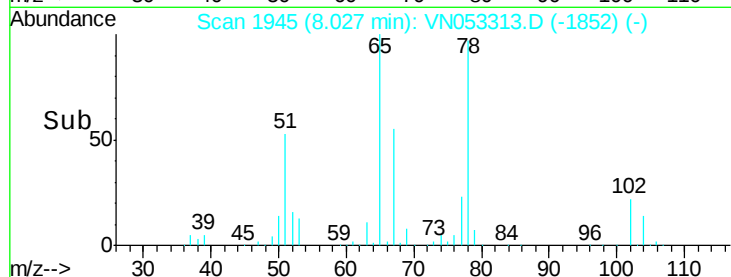
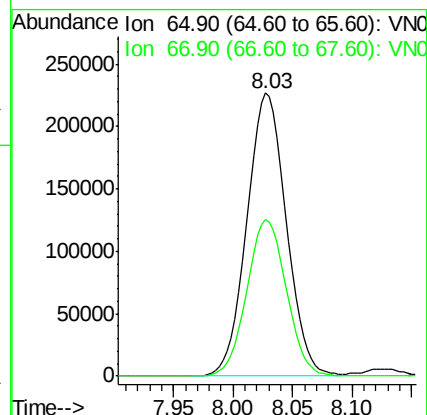
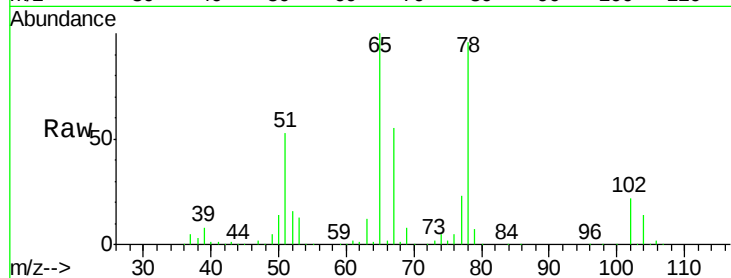




#33
 1,2-Dichloroethane-d4
 Concen: 18.920 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

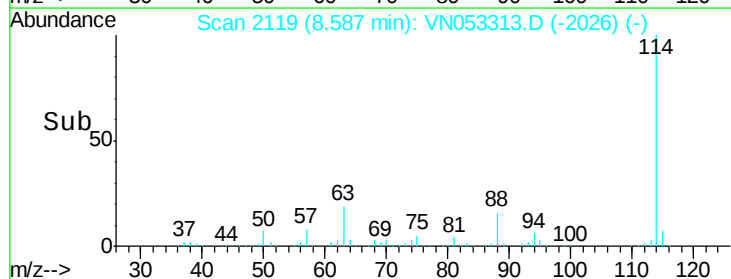
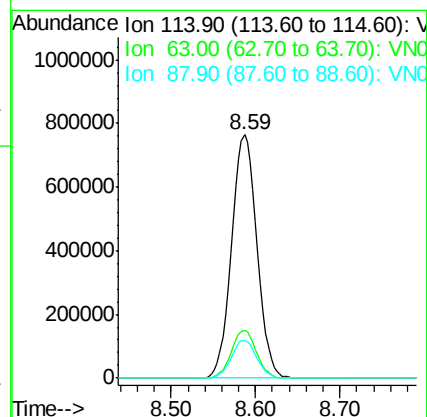
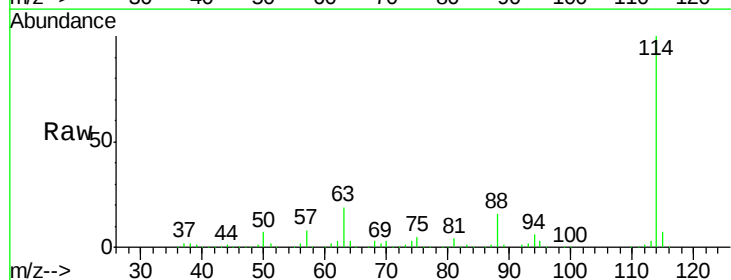
Instrument :
 MSVOA_N
 ClientSampled :
 VN0108WBSD01

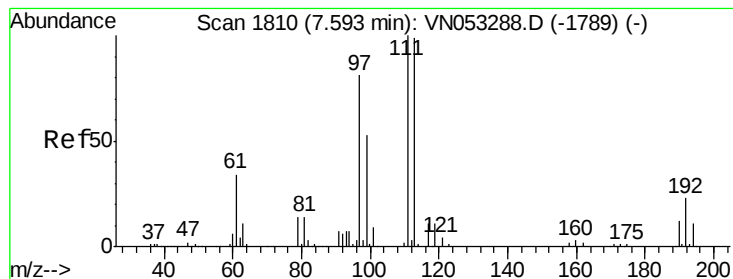
Tot Ion: 65 Resp: 521388
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

Tgt Ion: 114 Resp: 1596949
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0108WBSD01

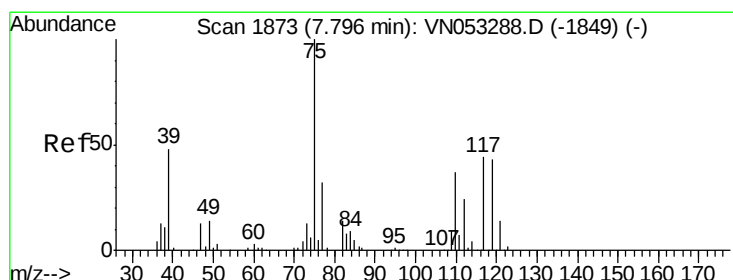
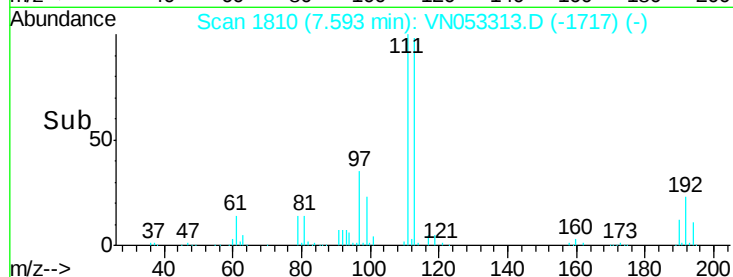
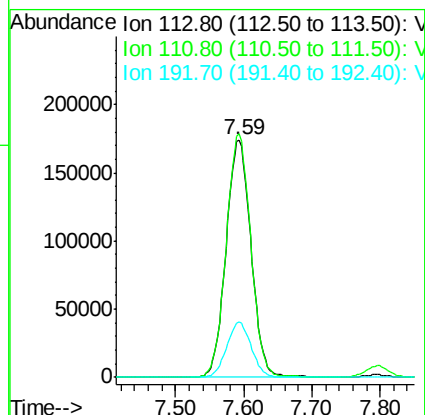
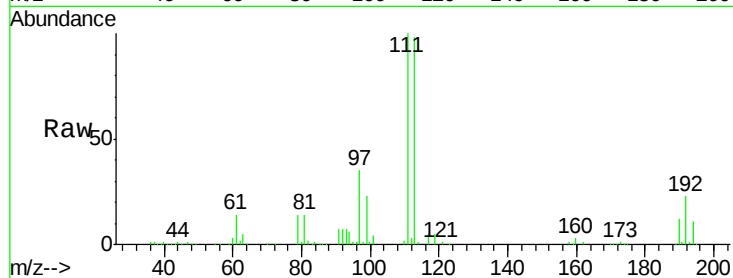
Tot Ion:113 Resp: 442874

Ion Ratio Lower Upper

113 100

111 100.4 81.4 122.2

192 22.8 17.9 26.9



#36

1,1-Dichloropropene

Concen: 19.989 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

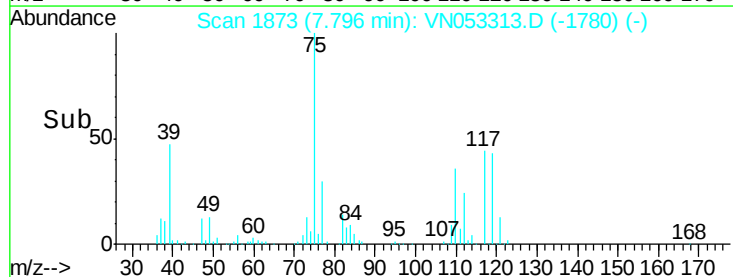
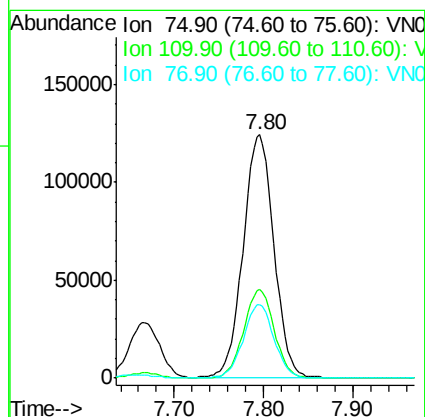
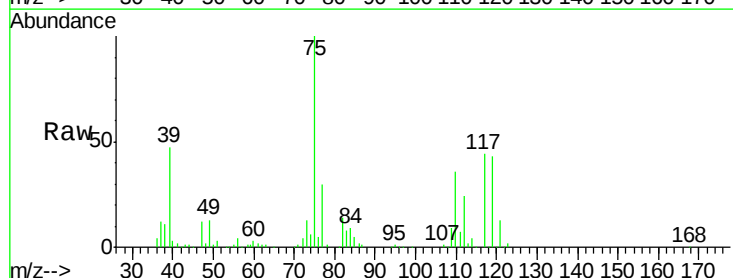
Tgt Ion: 75 Resp: 298009

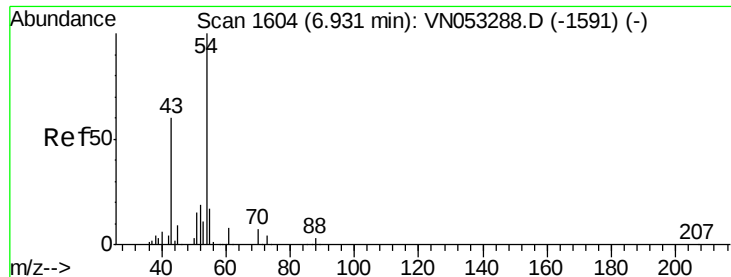
Ion Ratio Lower Upper

75 100

110 36.1 18.4 55.0

77 30.4 25.3 37.9

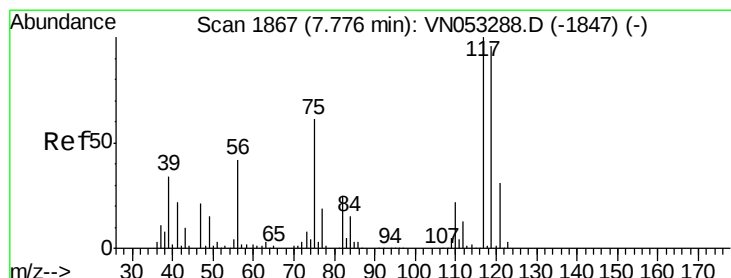
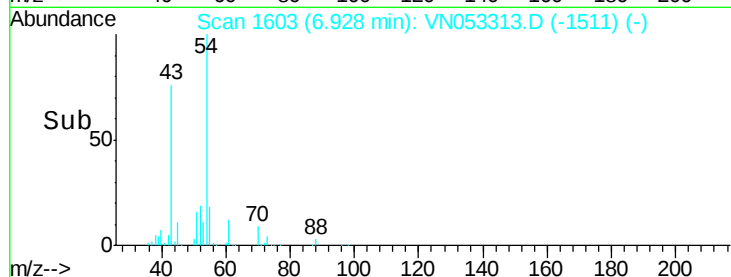
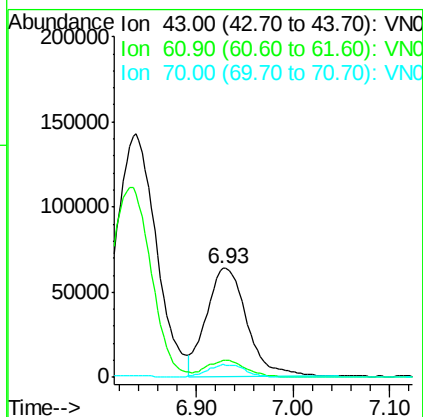
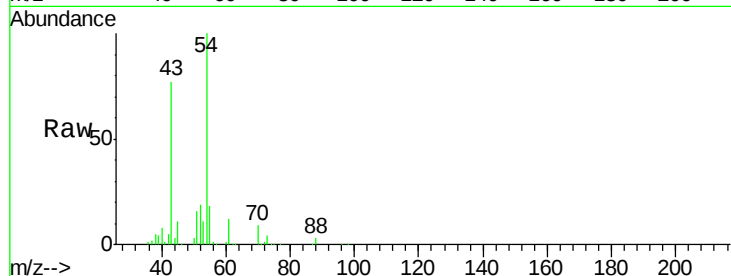




#37
Ethyl Acetate
Concen: 19.063 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

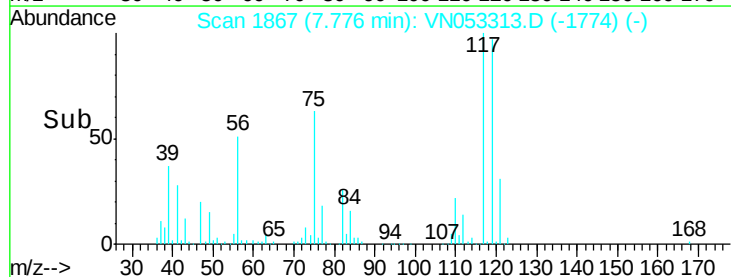
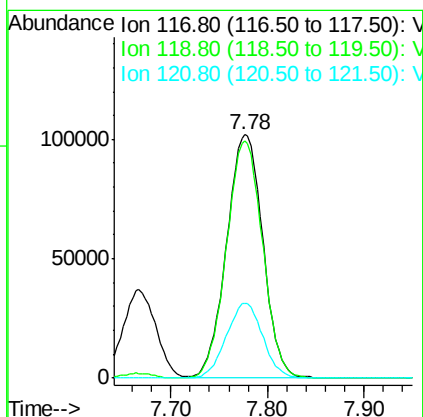
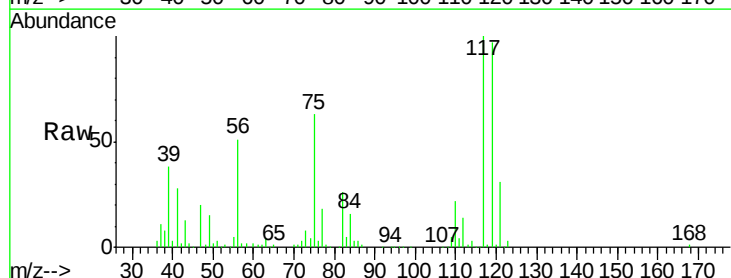
Instrument :
MSVOA_N
ClientSampleId :
VN0108WBSD01

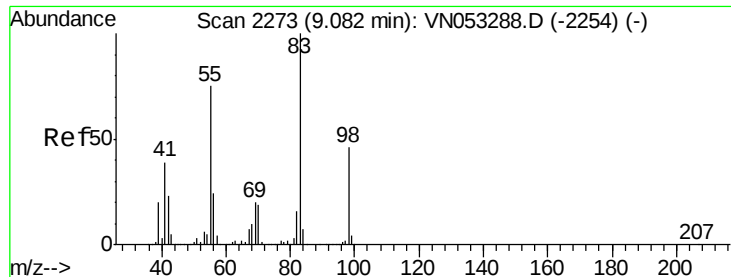
Tot Ion: 43 Resp: 185114
Ion Ratio Lower Upper
43 100
61 14.9 11.9 17.9
70 11.2 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.230 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

Tgt Ion: 117 Resp: 264613
Ion Ratio Lower Upper
117 100
119 97.3 76.6 115.0
121 30.8 25.0 37.4

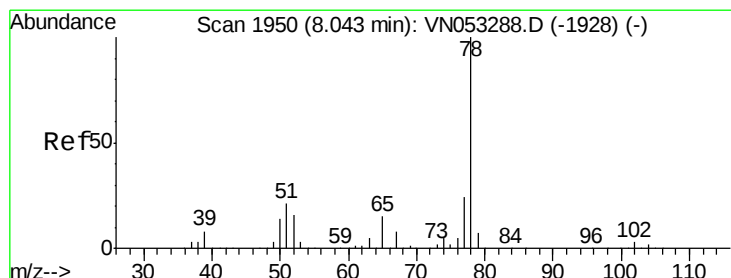
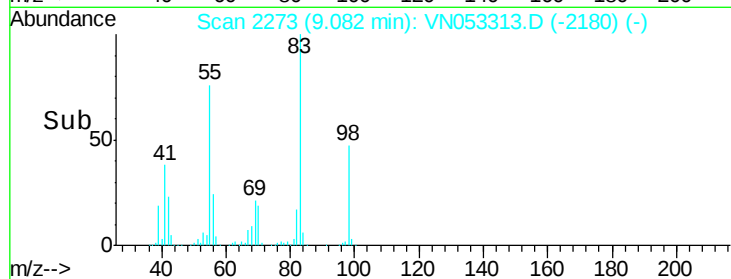
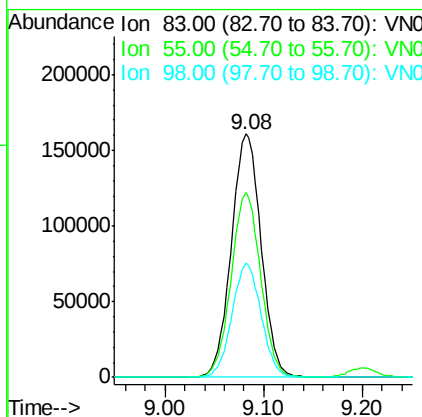
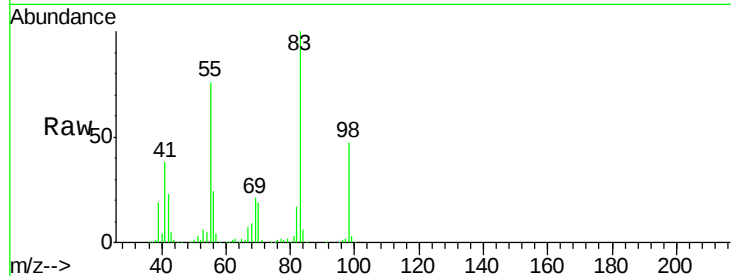




#39
Methvlcvclohexane
Concen: 19.610 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

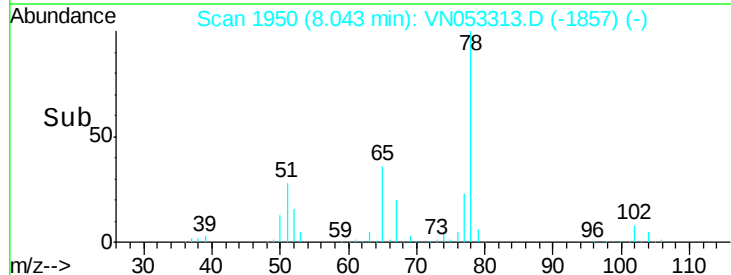
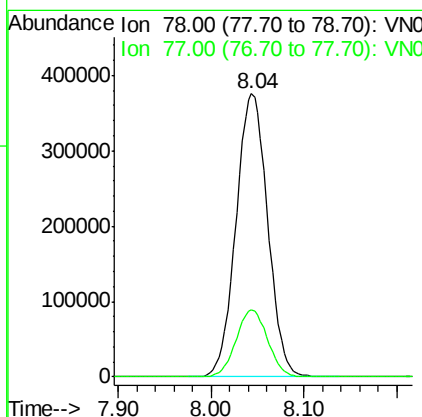
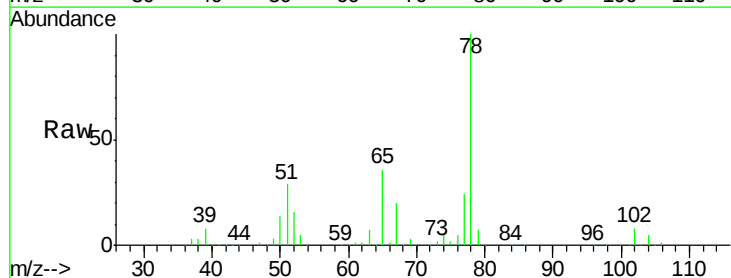
Instrument :
MSVOA_N
ClientSampleId :
VN0108WBSD01

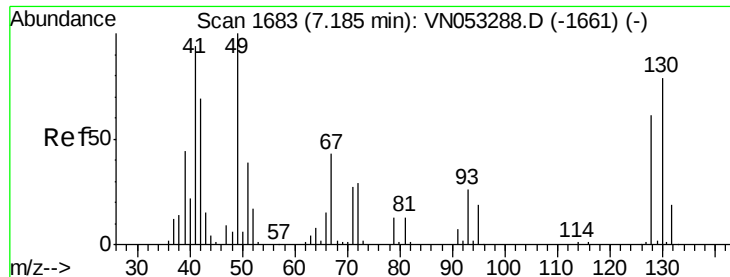
Tot Ion: 83 Resp: 338702
Ion Ratio Lower Upper
83 100
55 75.5 60.1 90.1
98 46.9 36.7 55.1



#40
Benzene
Concen: 19.536 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

Tgt Ion: 78 Resp: 889668
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4

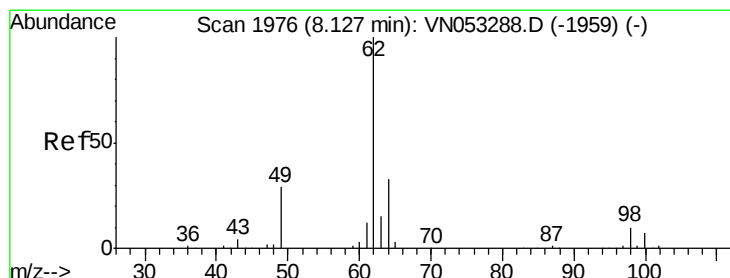
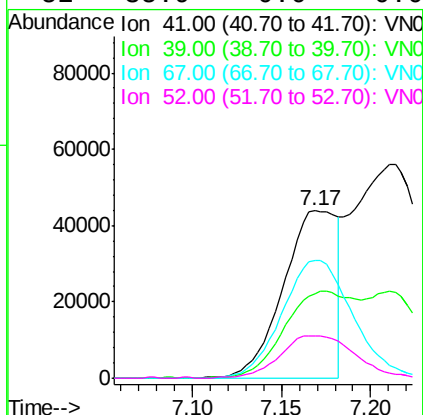
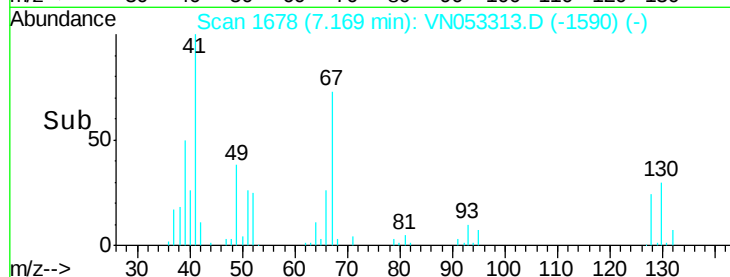
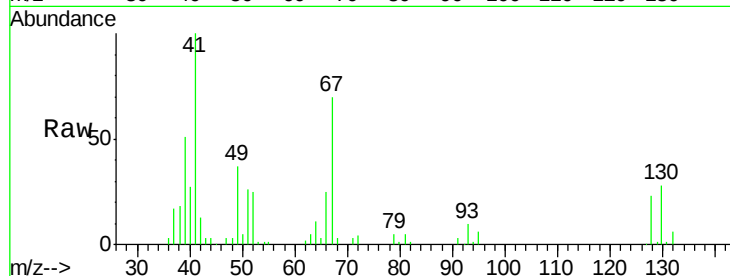




#41
Methacrylonitrile
Concen: 15.261 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

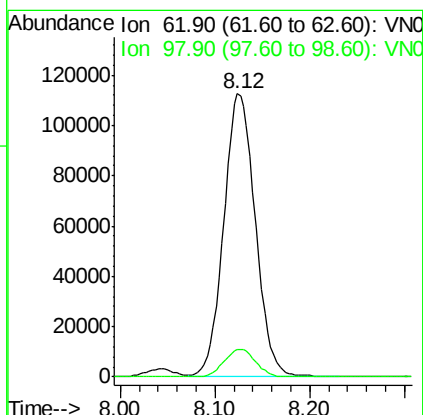
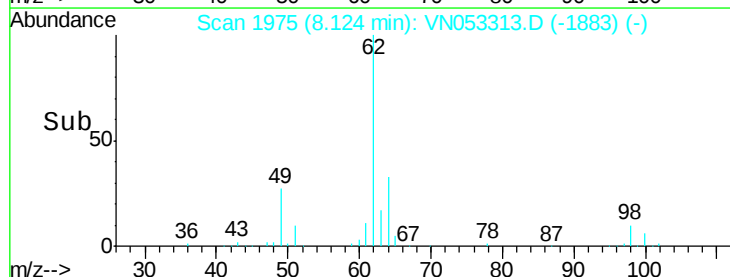
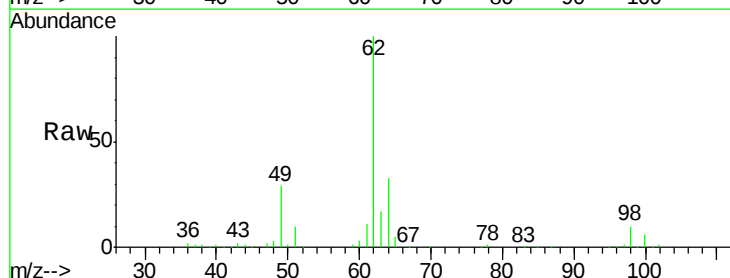
Instrument :
MSVOA_N
ClientSampleId :
VN0108WBSD01

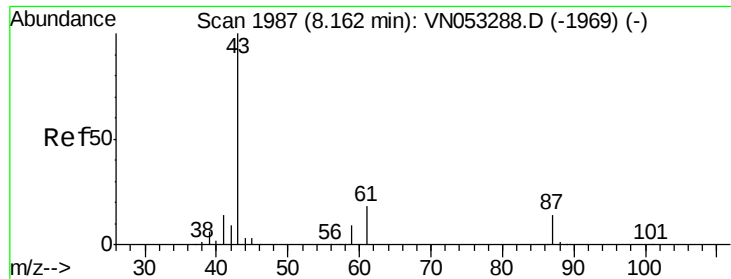
Tot Ion: 41 Resp: 92008
Ion Ratio Lower Upper
41 100
39 68.9 0.0 0.0#
67 93.7 0.0 0.0#
52 35.9 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.246 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

Tgt Ion: 62 Resp: 259979
Ion Ratio Lower Upper
62 100
98 9.8 0.0 20.2





#43

Isopropyl Acetate

Concen: 18.123 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0108WBSD01

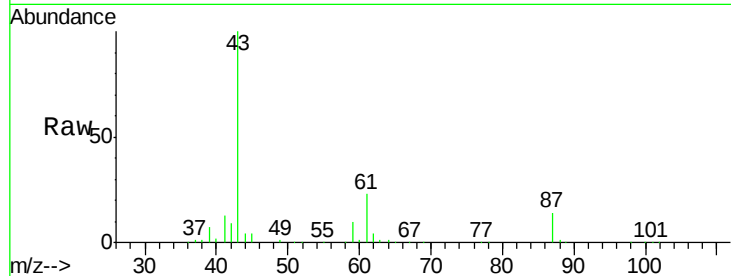
Tot Ion: 43 Resp: 346218

Ion Ratio Lower Upper

43 100

61 29.2 23.3 34.9

87 12.9 10.8 16.2

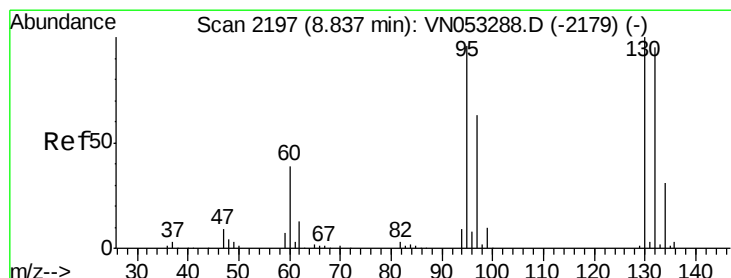
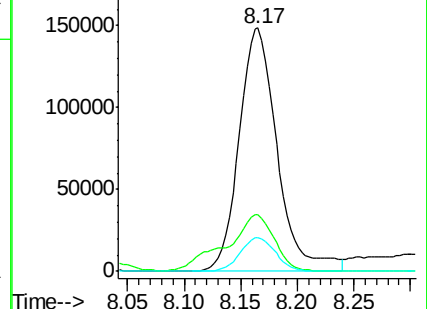
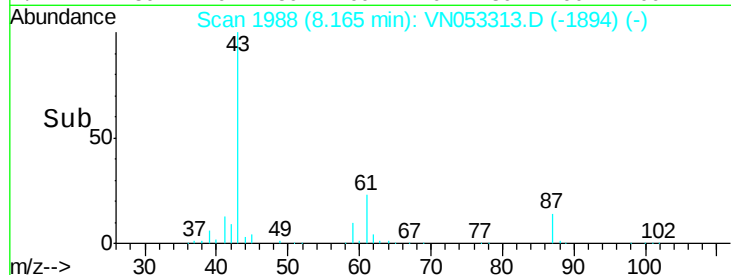


Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053288.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053288.D (-1969) (-)

Time-->



#44

Trichloroethene

Concen: 19.583 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053313.D

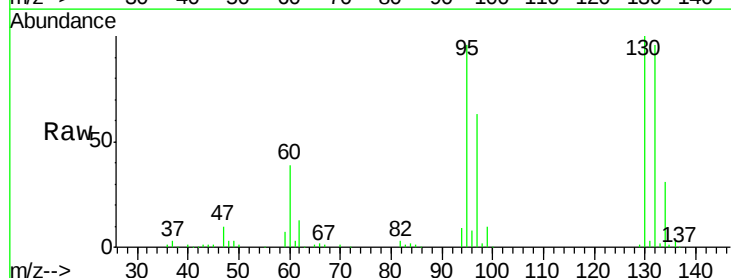
Acq: 8 Jan 2019 12:50

Tgt Ion:130 Resp: 244875

Ion Ratio Lower Upper

130 100

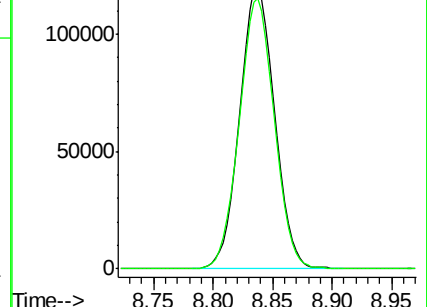
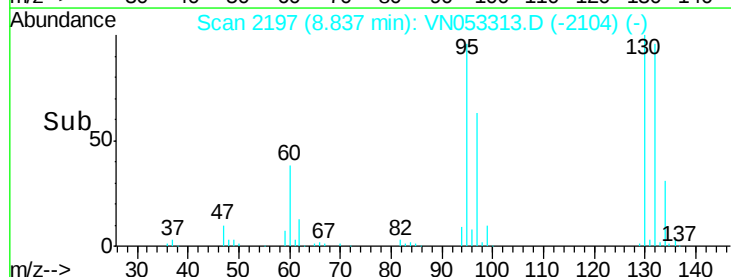
95 95.3 0.0 191.8

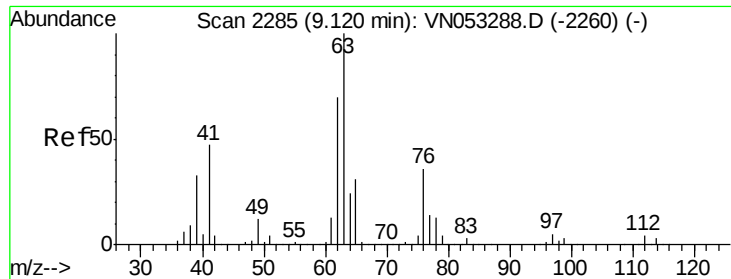


Abundance Ion 129.80 (129.50 to 130.50): VN053288.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053288.D (-2179) (-)

Time-->

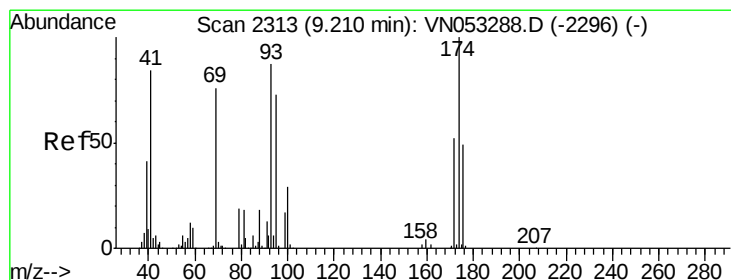
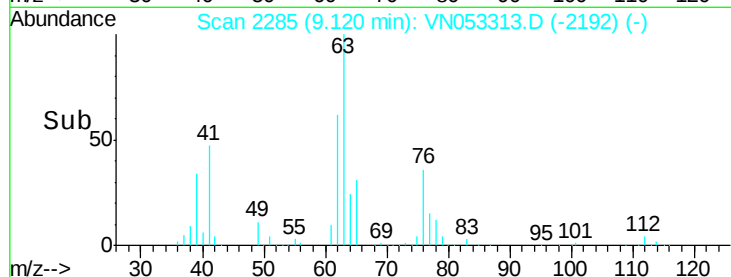
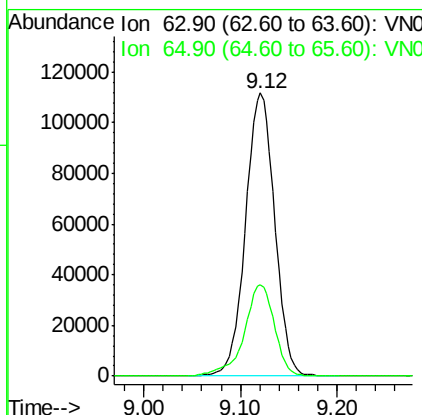
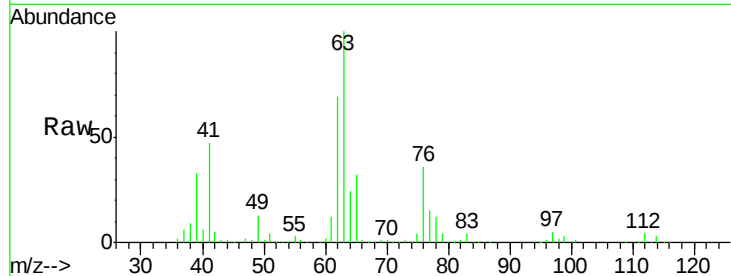




#45
 1,2-Dichloropropane
 Concen: 19.569 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

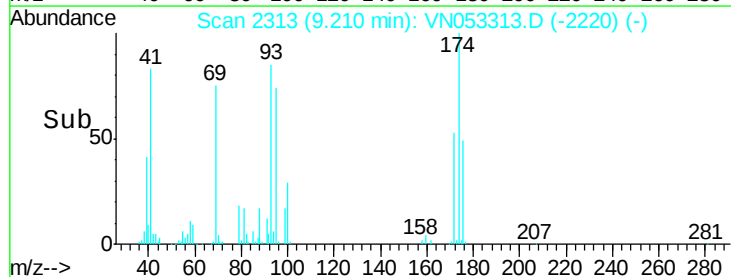
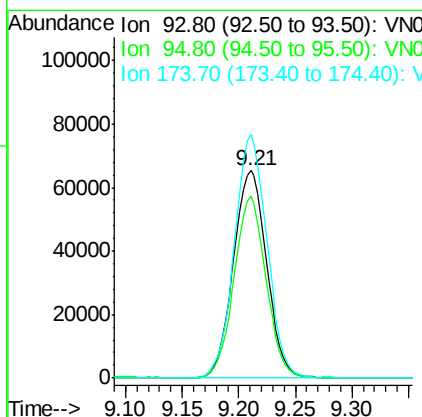
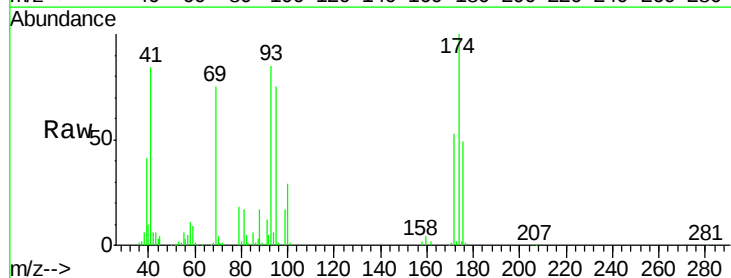
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108WBSD01

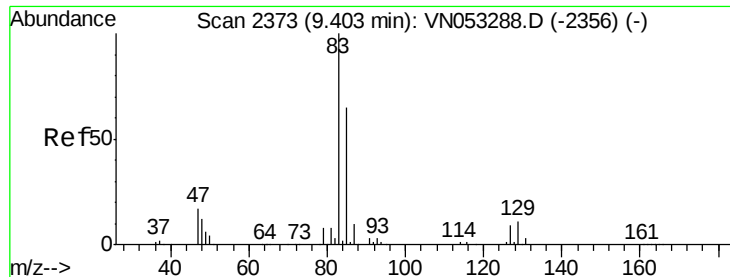
Tot Ion: 63 Resp: 233735
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.6



#46
 Dibromomethane
 Concen: 19.287 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

Tgt Ion: 93 Resp: 134319
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.6 100.0
 174 114.6 91.4 137.0





#47

Bromodichloromethane

Concen: 18.913 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0108WBSD01

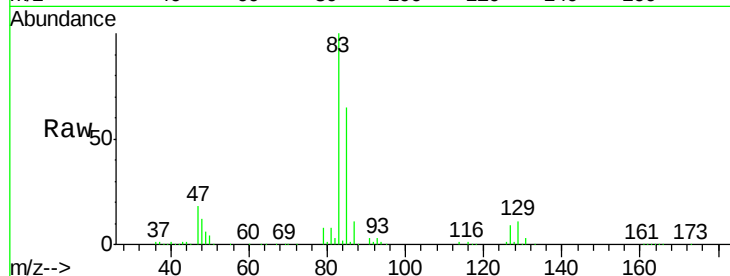
Tot Ion: 83 Resp: 274477

Ion Ratio Lower Upper

83 100

85 65.0 51.7 77.5

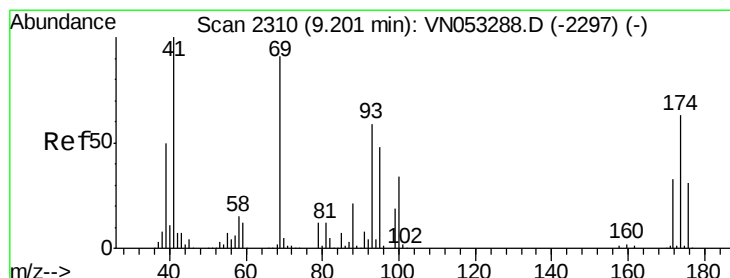
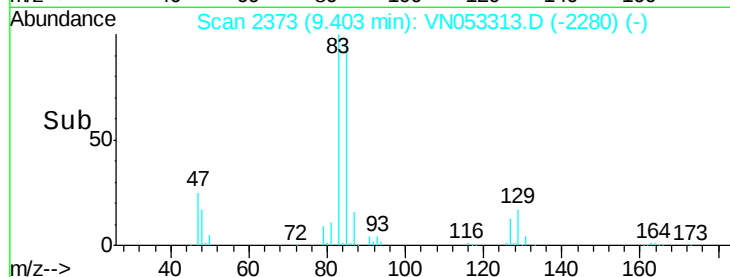
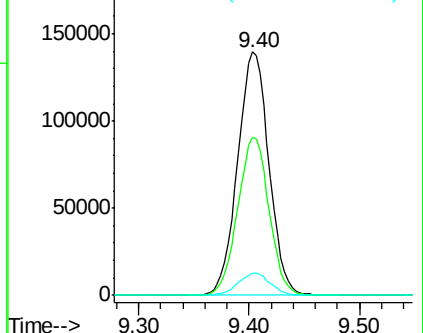
127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053313.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053313.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053313.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.098 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

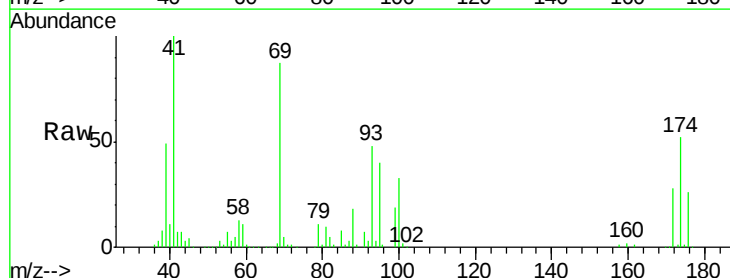
Tgt Ion: 41 Resp: 165749

Ion Ratio Lower Upper

41 100

69 93.0 73.5 110.3

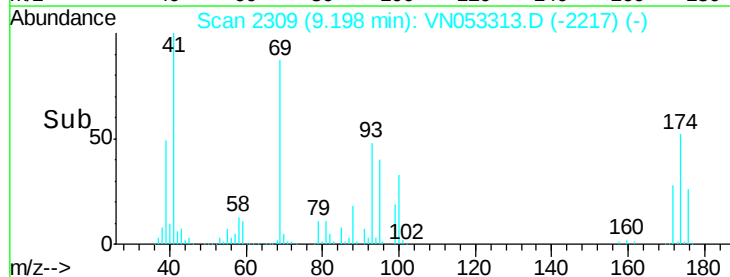
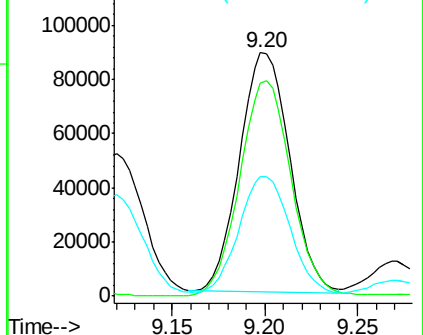
39 52.2 41.6 62.4

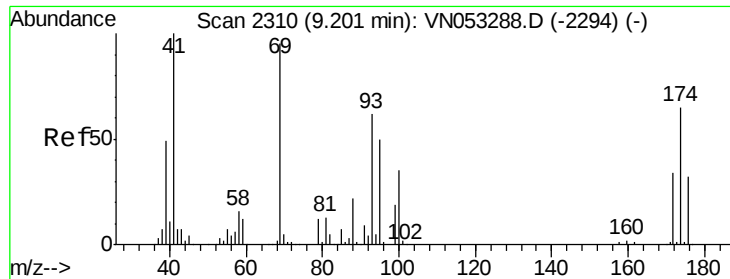


Abundance Ion 41.00 (40.70 to 41.70): VN053313.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN053313.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN053313.D (-2217) (-)





#49

1,4-Dioxane

Concen: 383.557 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

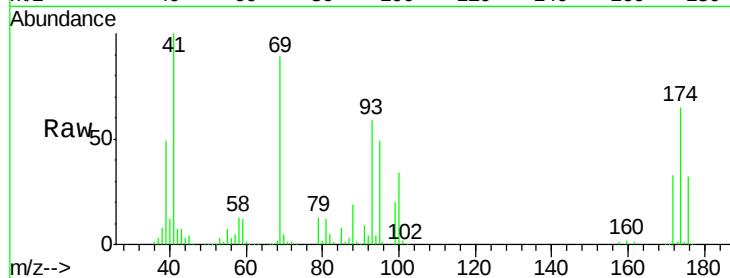
MSVOA_N

ClientSampleId :

VN0108WBSD01

Tot Ion: 88 Resp: 35467

Ion	Ratio	Lower	Upper
88	100		
43	32.6	26.2	39.4
58	69.4	55.5	83.3

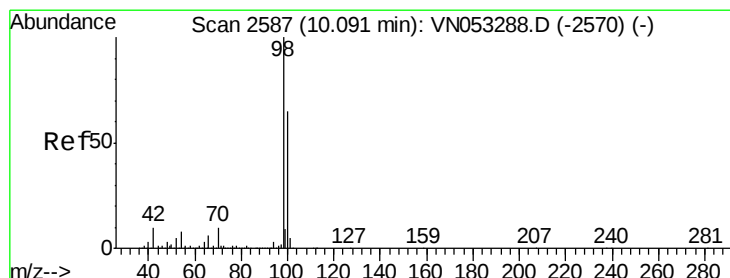
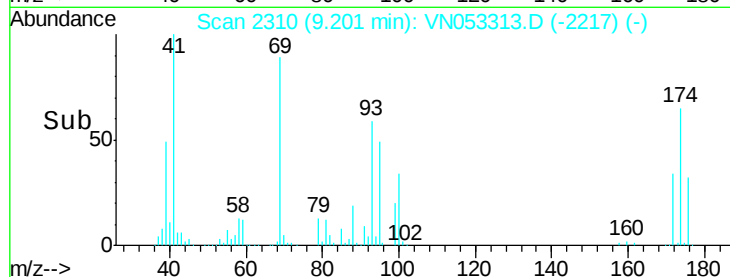
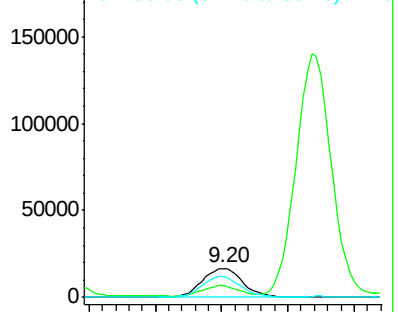


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 383.557 ug/l

RT: 10.09 min Scan# 2587

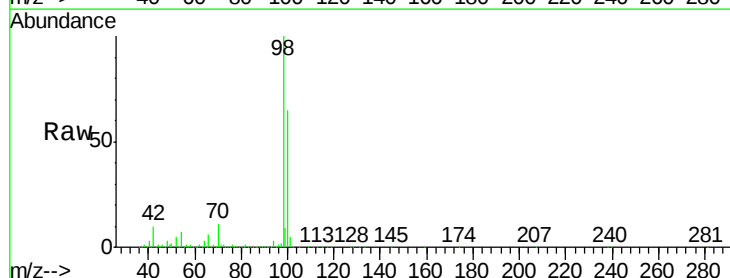
Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Tgt Ion: 98 Resp: 1912827

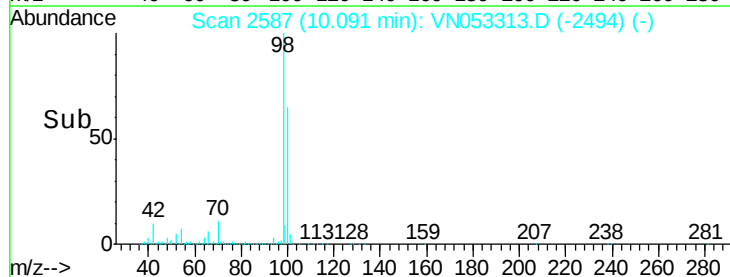
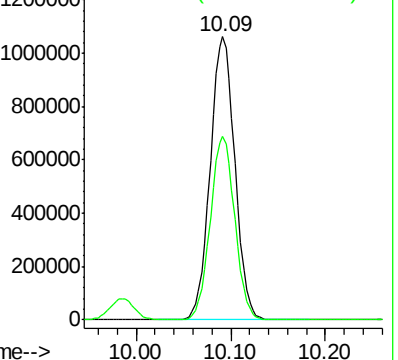
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.5	77.3

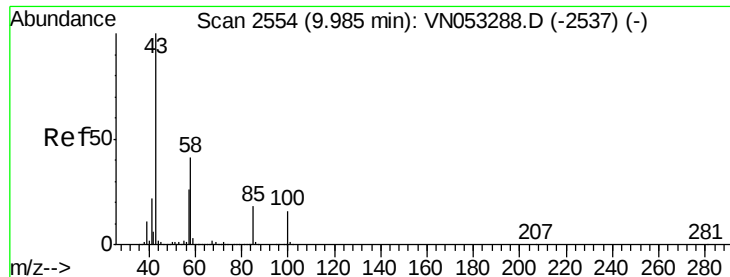


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 96.653 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampled :

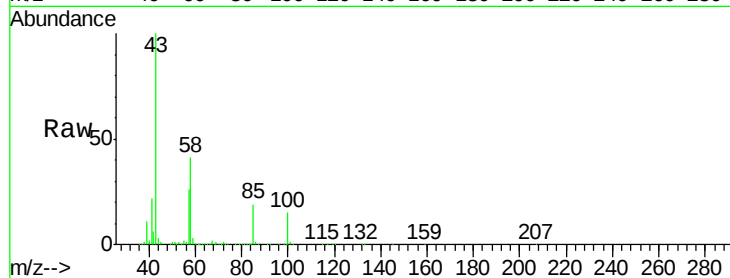
VN0108WBSD01

Tot Ion: 43 Resp: 928537

Ion Ratio Lower Upper

43 100

58 41.2 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

200000

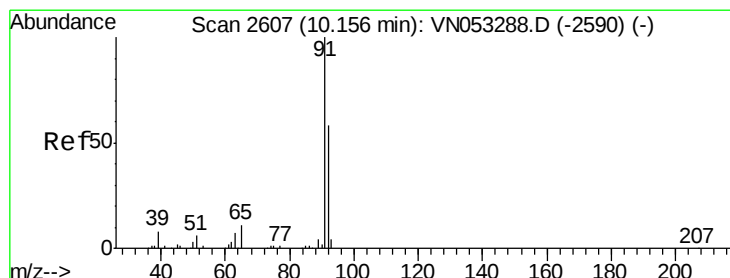
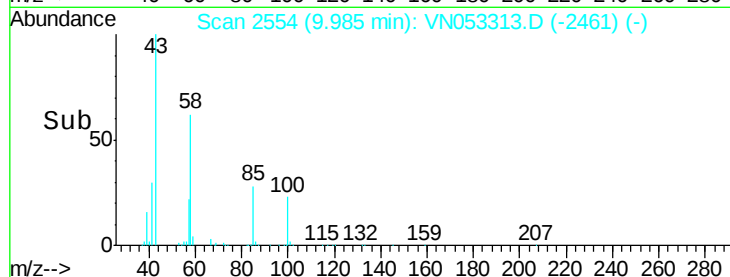
100000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 19.934 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053313.D

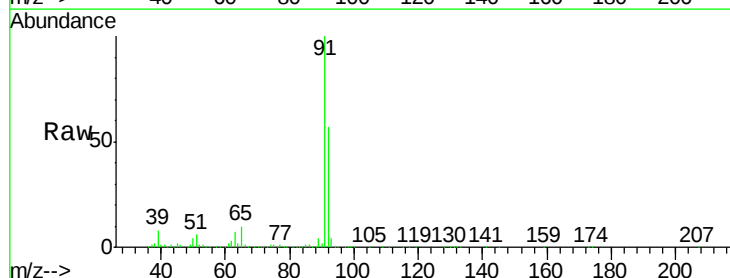
Acq: 8 Jan 2019 12:50

Tgt Ion: 92 Resp: 556937

Ion Ratio Lower Upper

92 100

91 174.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

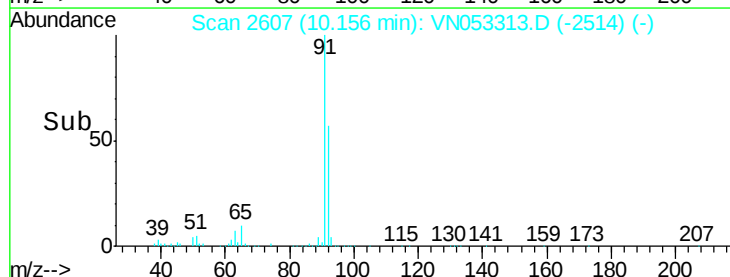
100000

0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.250 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

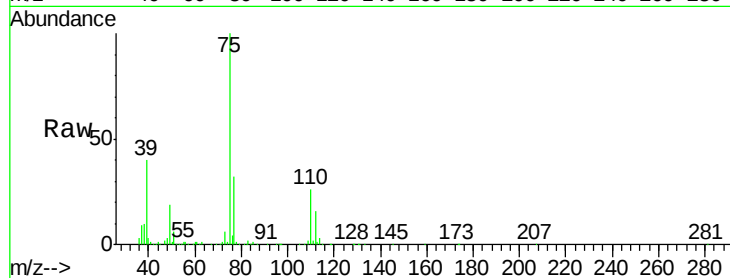
VN0108WBSD01

Tot Ion: 75 Resp: 285800

Ion Ratio Lower Upper

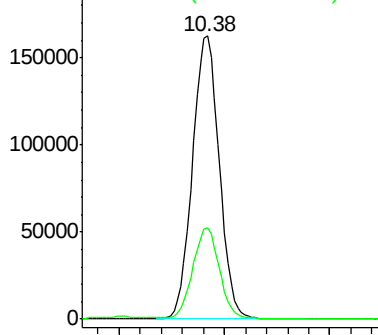
75 100

77 31.9 25.0 37.4

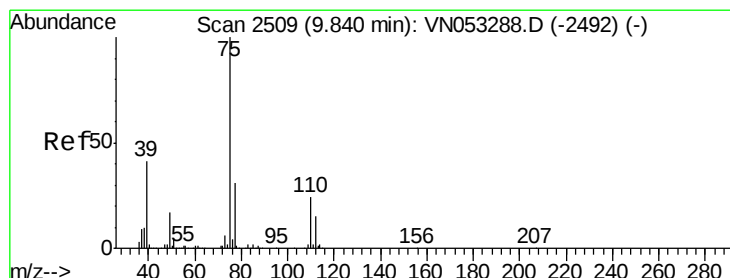
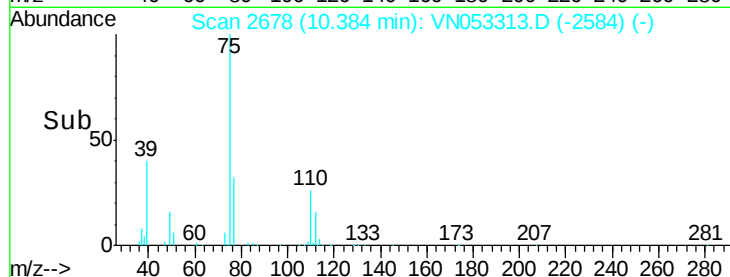


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.700 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

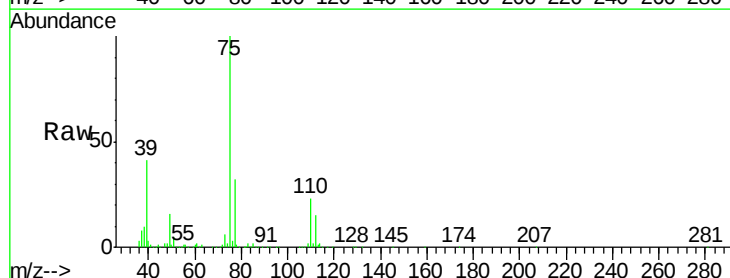
Tgt Ion: 75 Resp: 337973

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

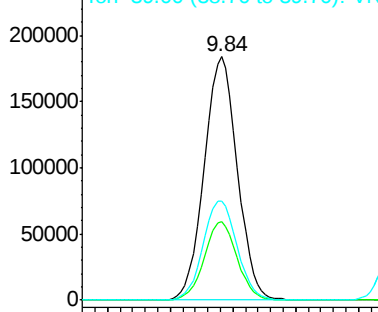
39 40.7 33.1 49.7



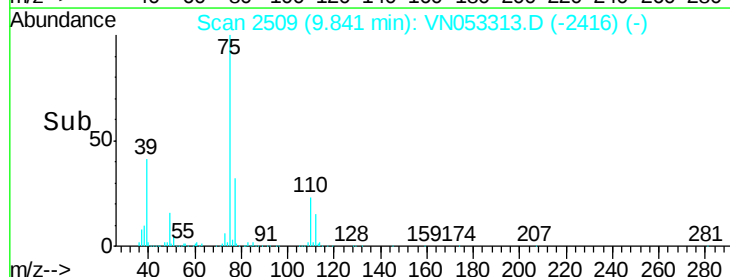
Abundance Ion 74.90 (74.60 to 75.60): VNO

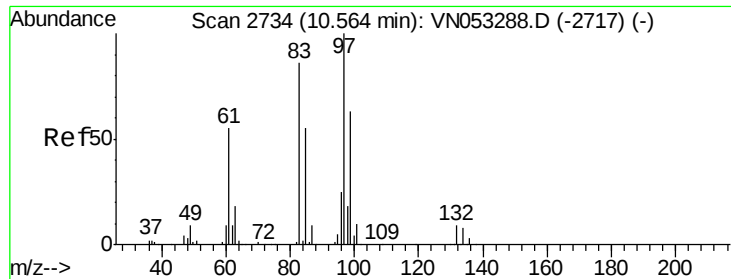
Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO



Time-->





#55

1,1,2-Trichloroethane

Concen: 18.914 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0108WBSD01

Tot Ion: 97 Resp: 194306

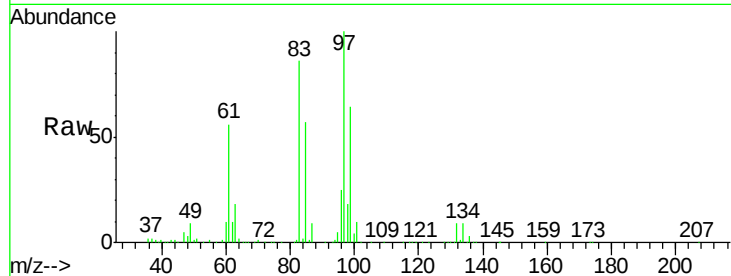
Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.1	103.7
85	57.5	44.2	66.4
99	63.7	50.3	75.5

97 100

83 86.0 69.1 103.7

85 57.5 44.2 66.4

99 63.7 50.3 75.5



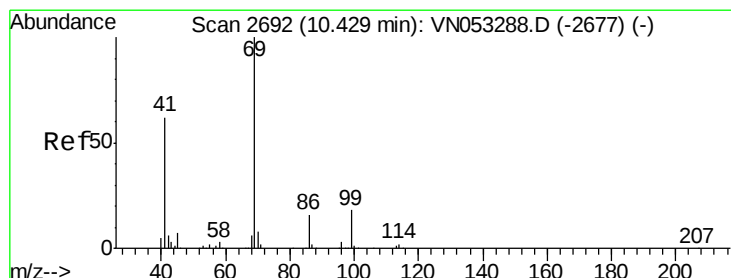
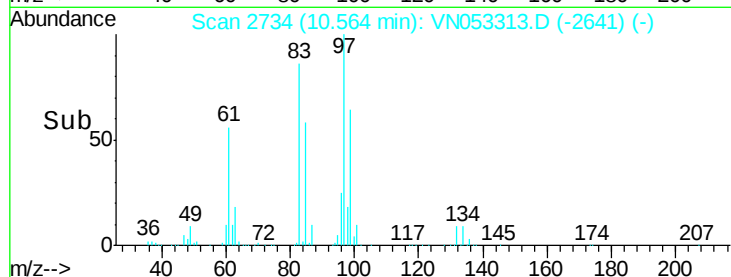
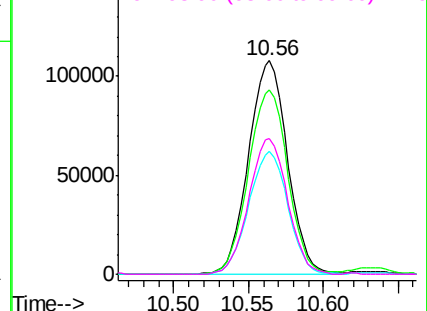
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.910 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

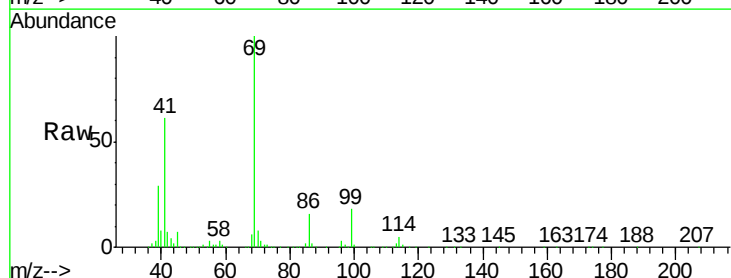
Tgt Ion: 69 Resp: 265797

Ion	Ratio	Lower	Upper
69	100		
41	60.7	49.2	73.8
39	29.2	23.4	35.0

69 100

41 60.7 49.2 73.8

39 29.2 23.4 35.0

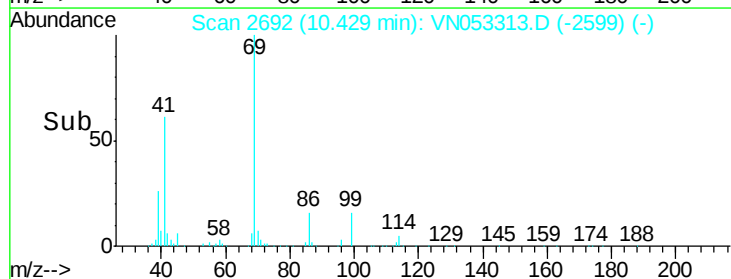
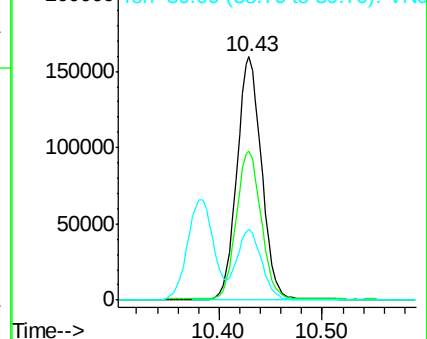


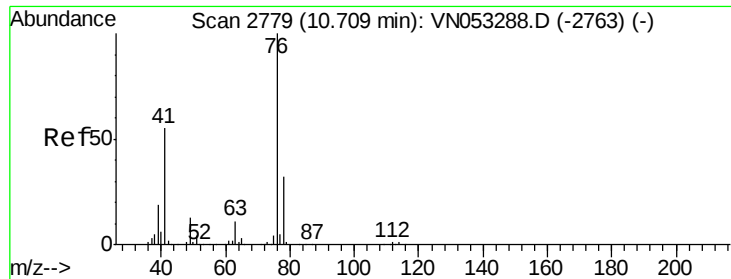
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

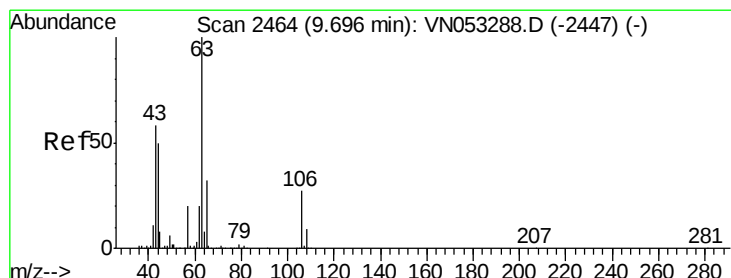
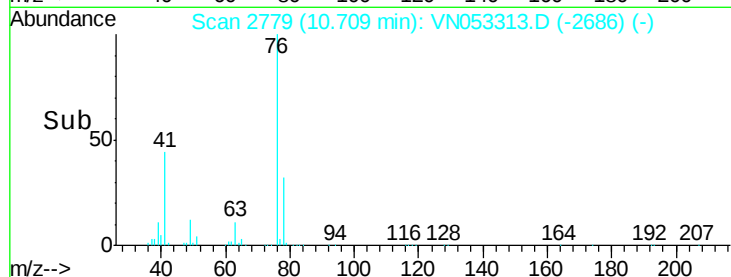
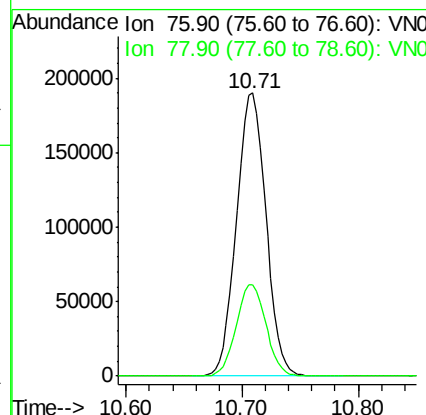
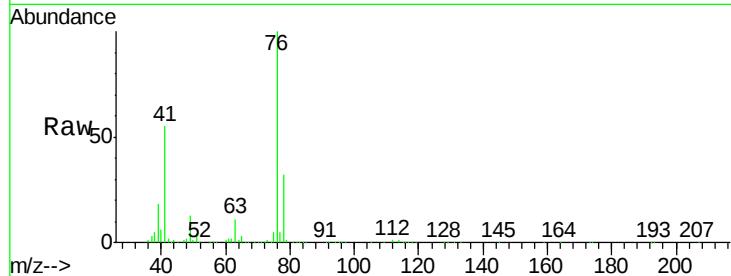




#57
 1,3-Dichloropropane
 Concen: 19.453 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

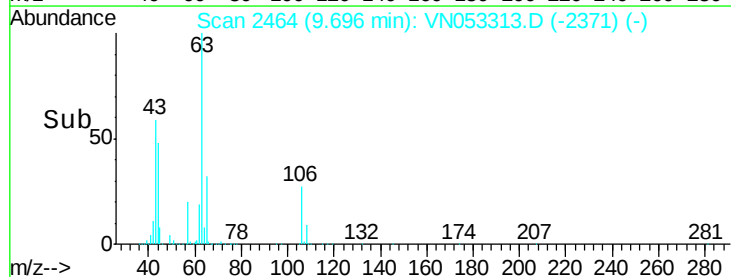
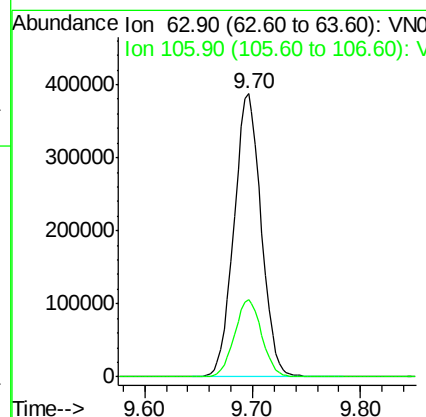
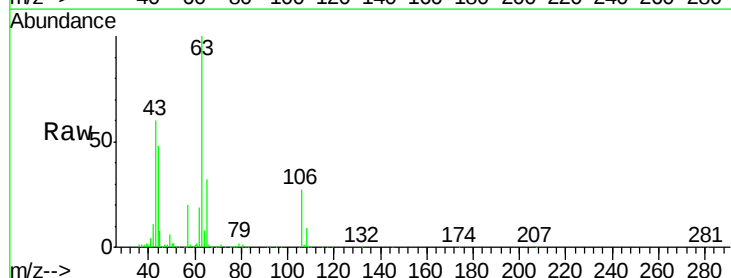
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108WBSD01

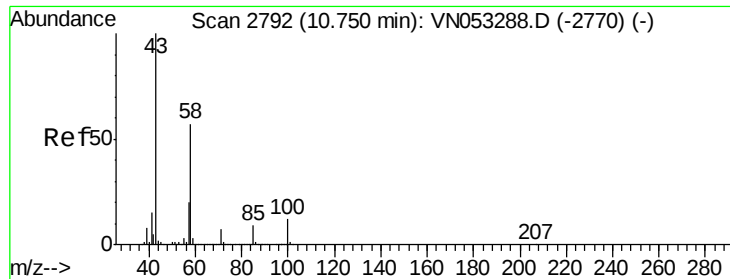
Tot Ion: 76 Resp: 334190
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.342 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

Tgt Ion: 63 Resp: 680887
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.7 32.5

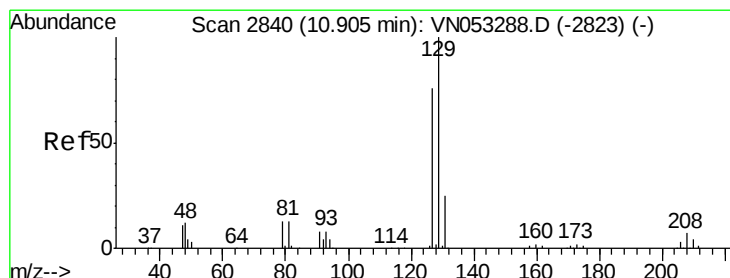
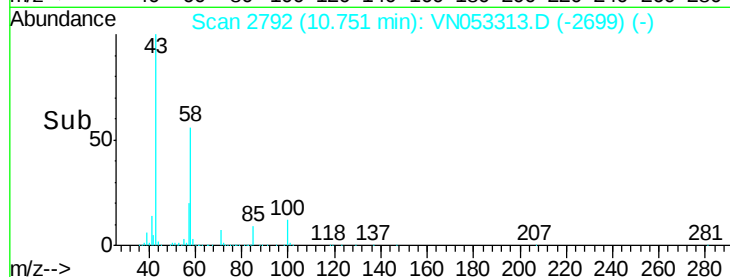
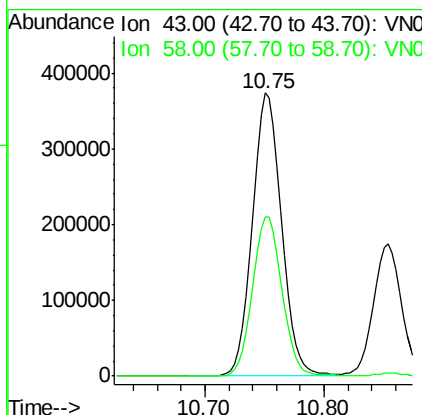
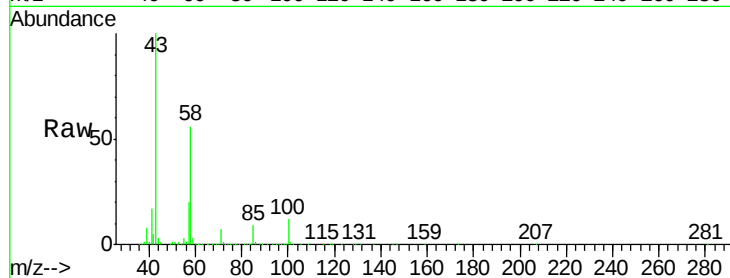




#59
2-Hexanone
Concen: 95.984 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

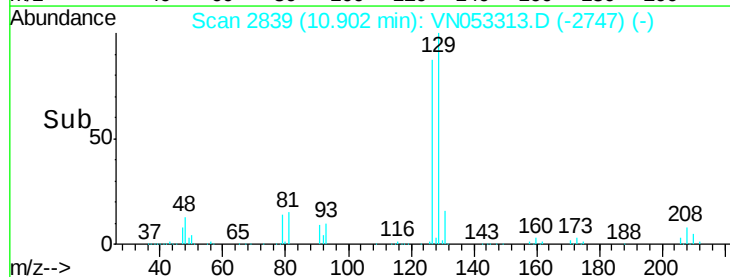
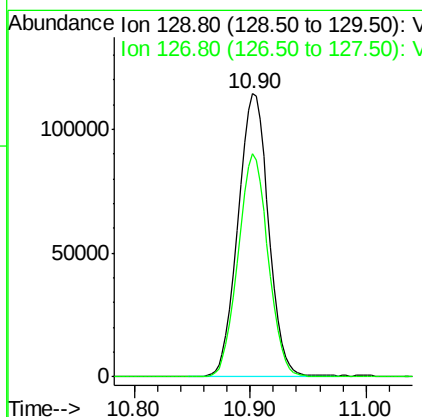
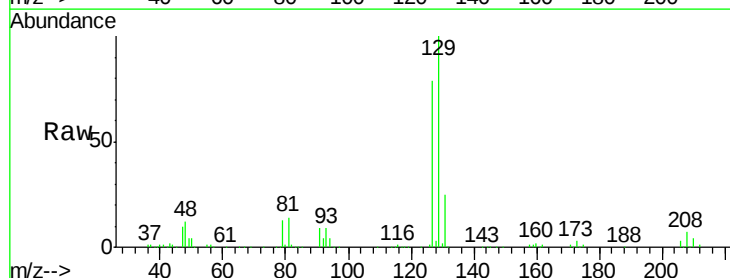
Instrument :
MSVOA_N
ClientSampleId :
VN0108WBSD01

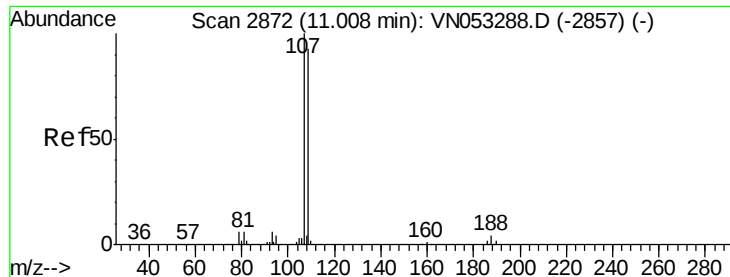
Tot Ion: 43 Resp: 631788
Ion Ratio Lower Upper
43 100
58 57.3 28.3 85.0



#60
Dibromochloromethane
Concen: 18.761 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

Tgt Ion: 129 Resp: 207878
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2

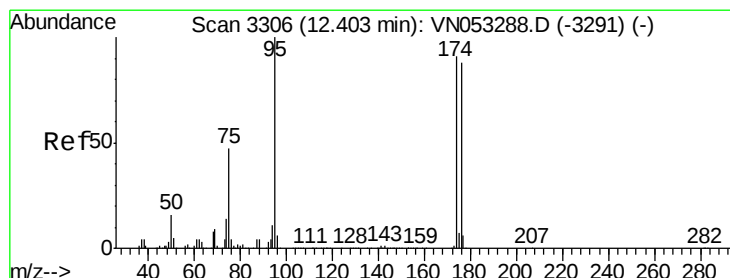
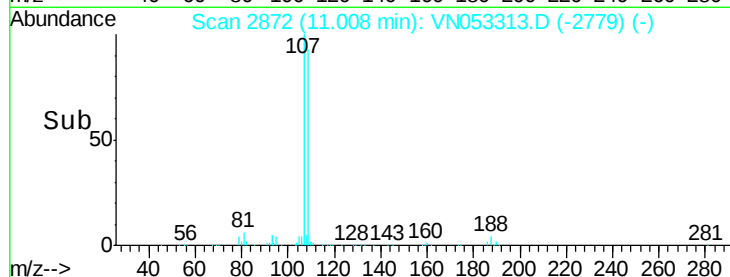
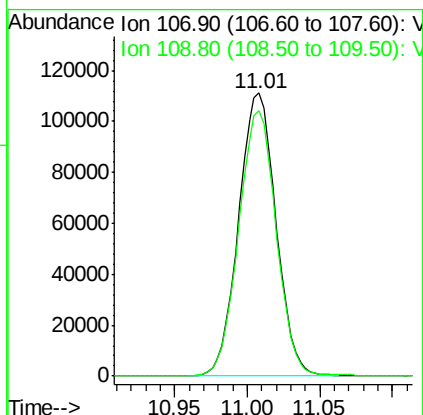
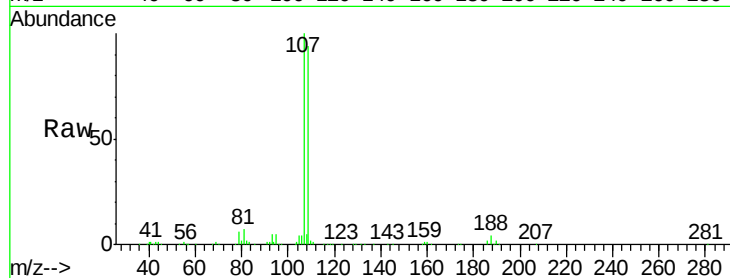




#61
 1,2-Dibromoethane
 Concen: 19.670 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

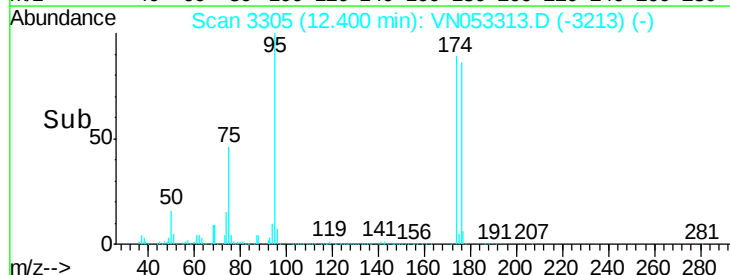
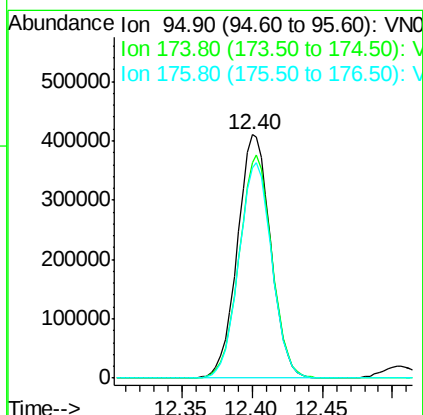
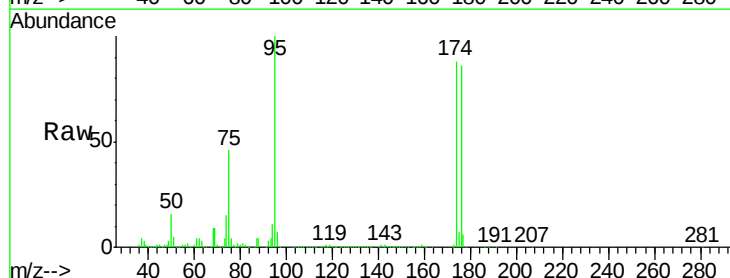
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108WBSD01

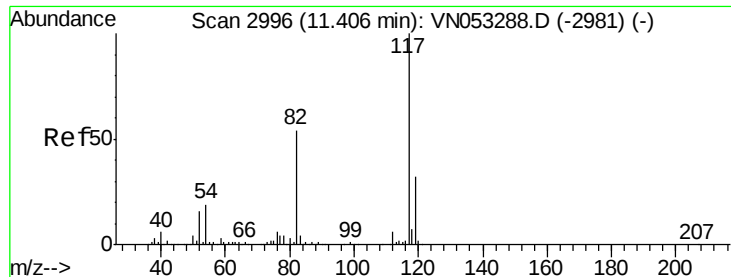
Tot Ion:107 Resp: 199407
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 19.670 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

Tgt Ion: 95 Resp: 673777
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 180.4
 176 87.9 0.0 175.6

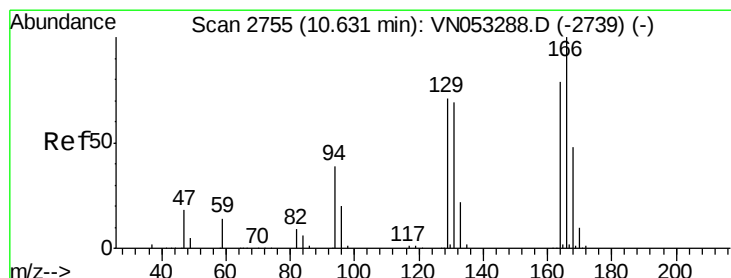
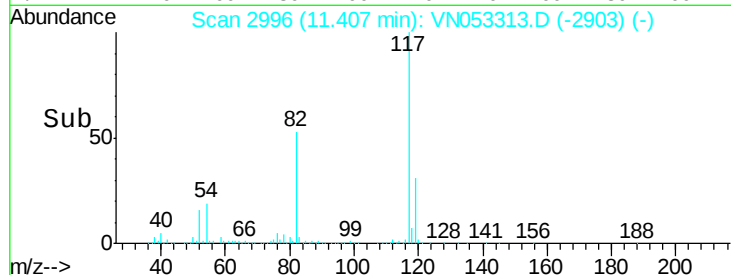
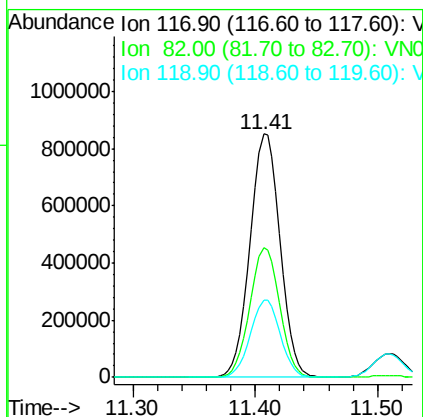
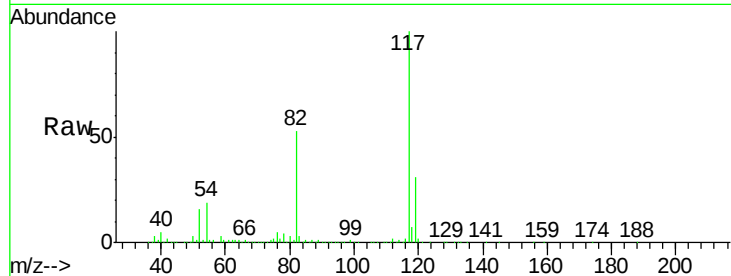




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

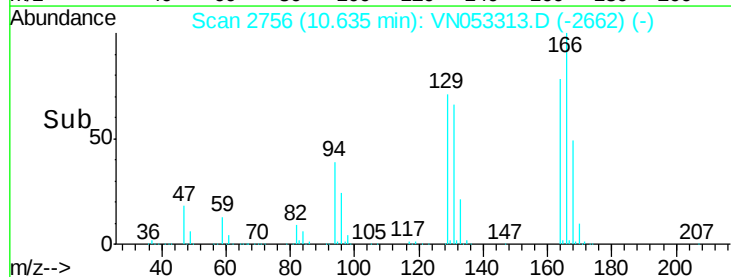
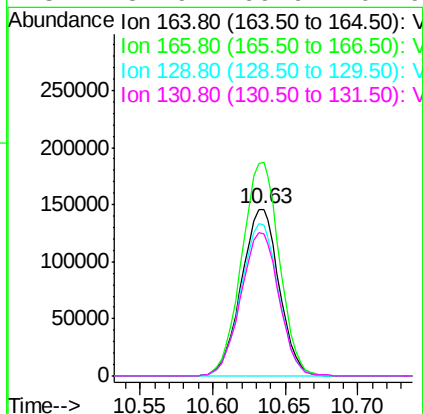
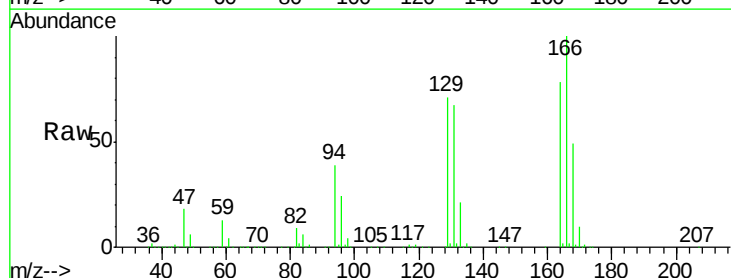
Instrument :
MSVOA_N
ClientSampleId :
VN0108WBSD01

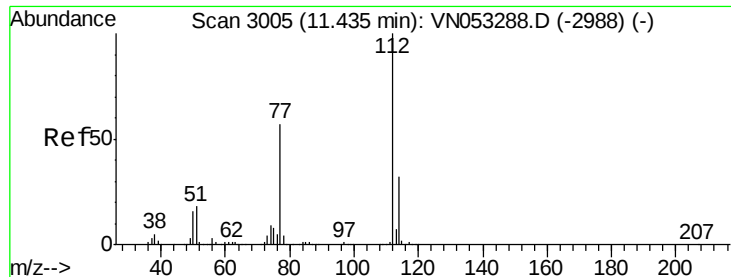
Tot Ion:117 Resp: 1440518
Ion Ratio Lower Upper
117 100
82 53.3 42.9 64.3
119 31.4 25.6 38.4



#64
Tetrachloroethene
Concen: 19.442 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

Tgt Ion:164 Resp: 263592
Ion Ratio Lower Upper
164 100
166 127.9 101.7 152.5
129 90.4 72.1 108.1
131 84.9 69.9 104.9

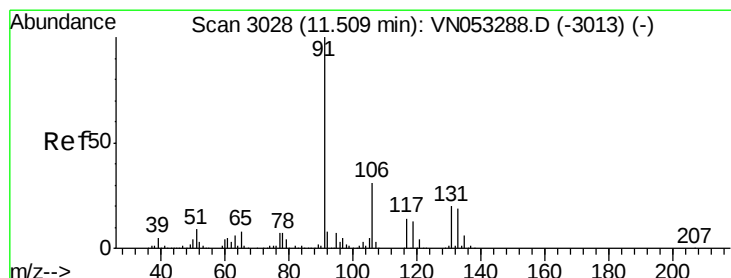
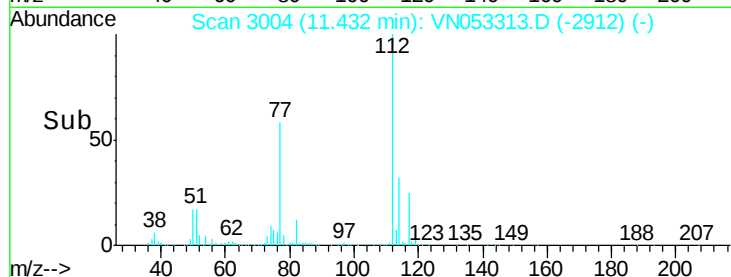
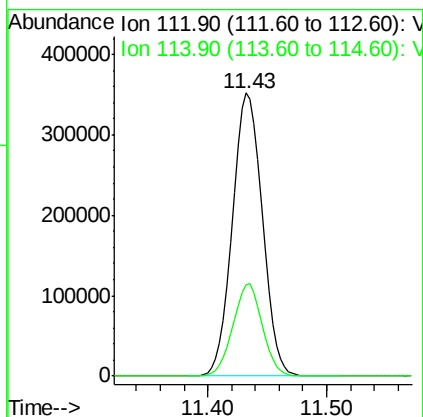
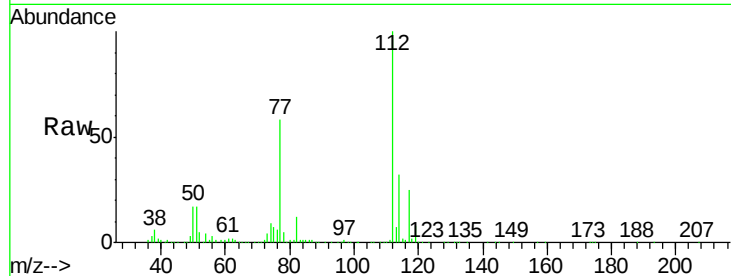




#65
Chlorobenzene
Concen: 19.623 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

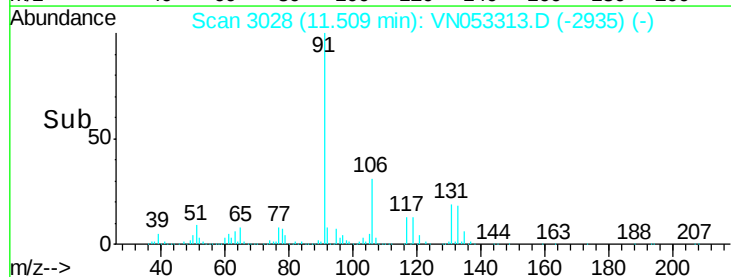
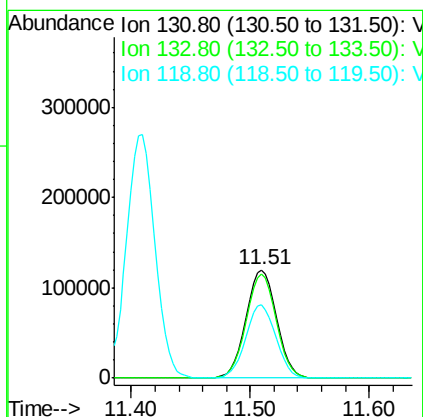
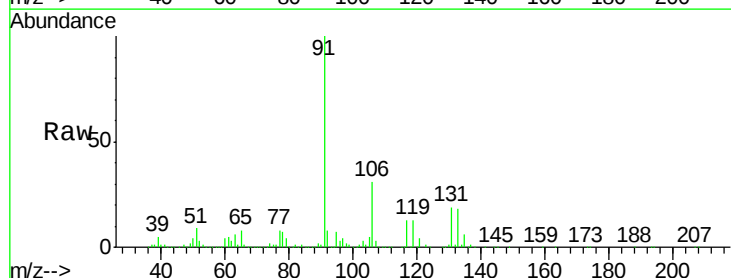
Instrument :
MSVOA_N
ClientSampleId :
VN0108WBSD01

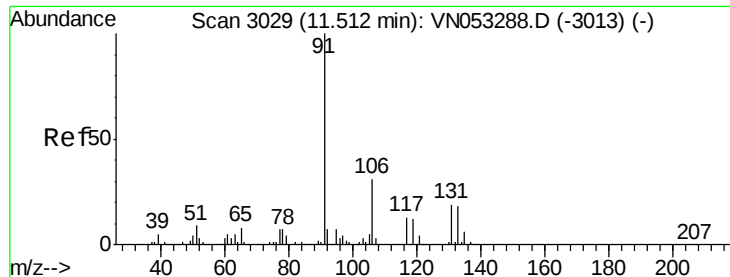
Tot Ion:112 Resp: 614072
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.399 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

Tgt Ion:131 Resp: 212484
Ion Ratio Lower Upper
131 100
133 94.2 48.0 144.0
119 66.6 33.3 99.9

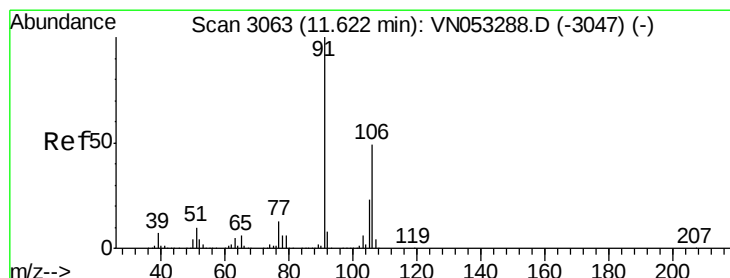
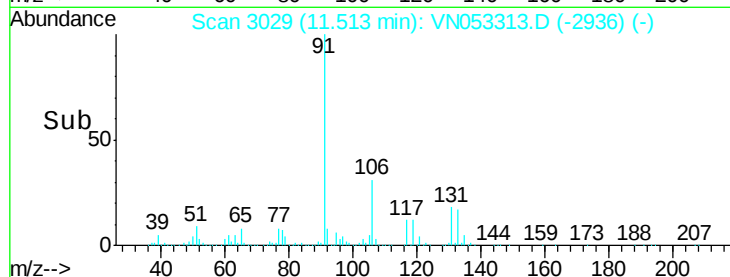
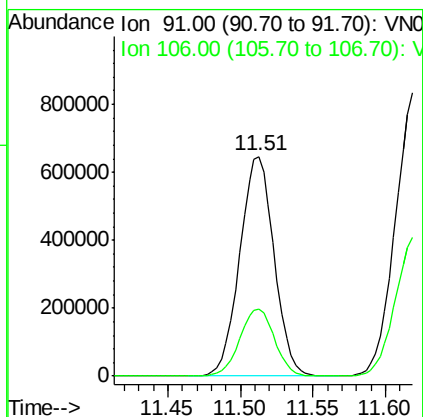
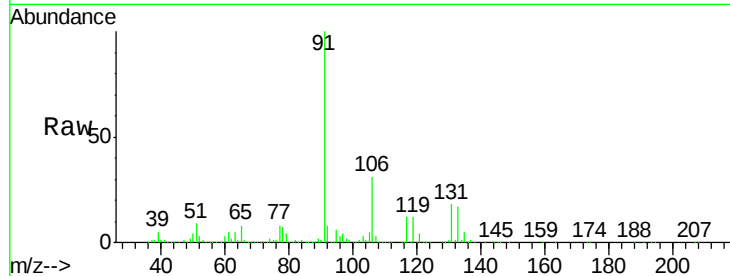




#67
Ethyl Benzene
Concen: 20.000 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

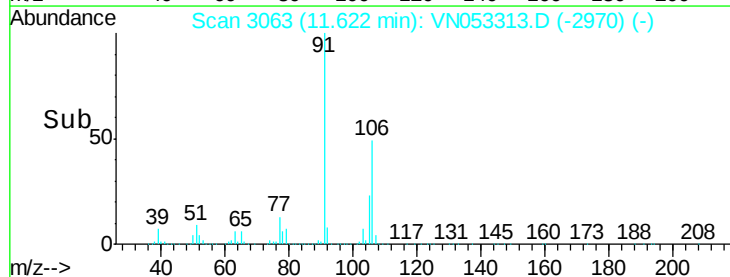
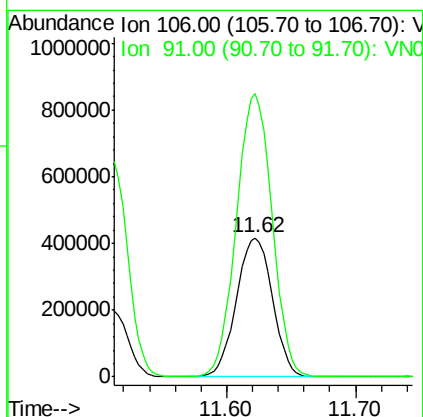
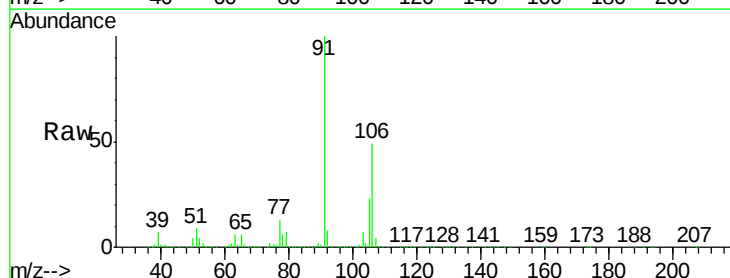
Instrument :
MSVOA_N
ClientSampled :
VN0108WBSD01

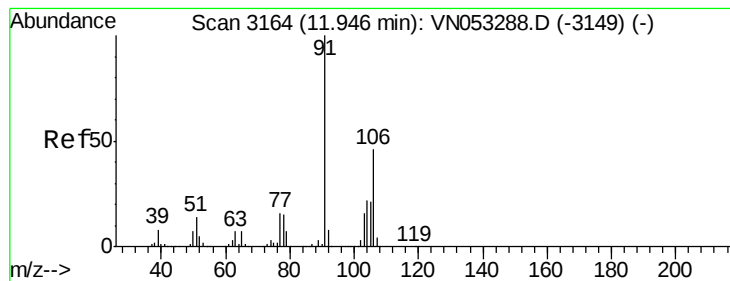
Tot Ion: 91 Resp: 1063511
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4



#68
m/p-Xylenes
Concen: 40.477 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053313.D
Acq: 8 Jan 2019 12:50

Tgt Ion: 106 Resp: 809335
Ion Ratio Lower Upper
106 100
91 201.5 161.4 242.2





#69

o-Xylene

Concen: 20.255 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

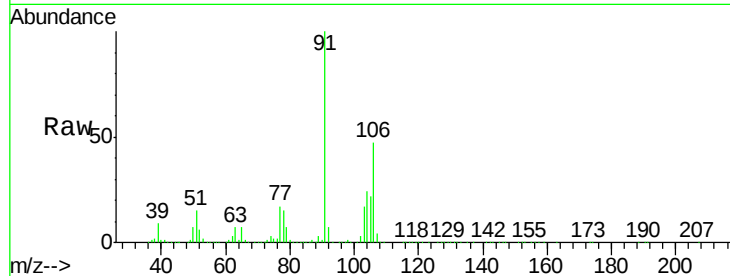
VN0108WBSD01

Tot Ion:106 Resp: 396507

Ion Ratio Lower Upper

106 100

91 212.8 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

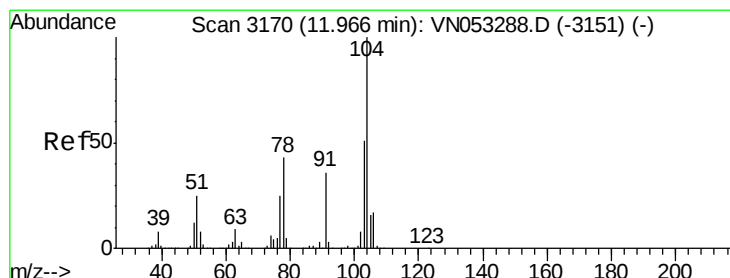
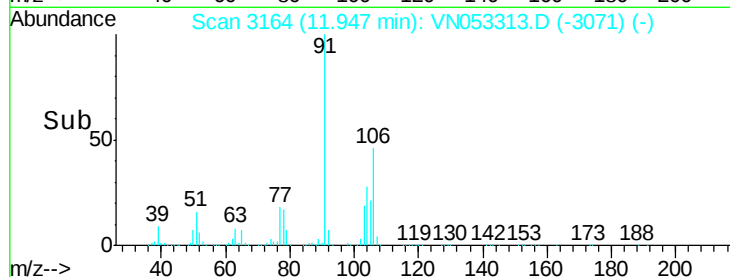
200000

100000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 20.328 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

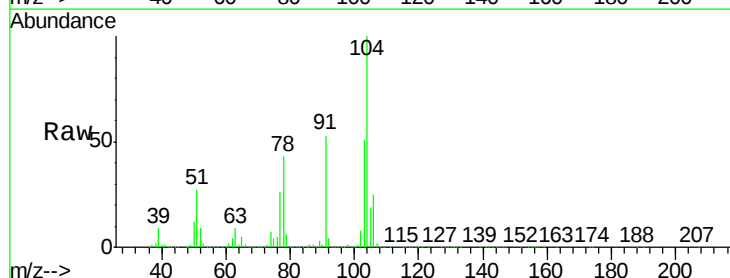
Tgt Ion:104 Resp: 647643

Ion Ratio Lower Upper

104 100

78 47.8 38.5 57.7

103 54.9 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

500000

400000

300000

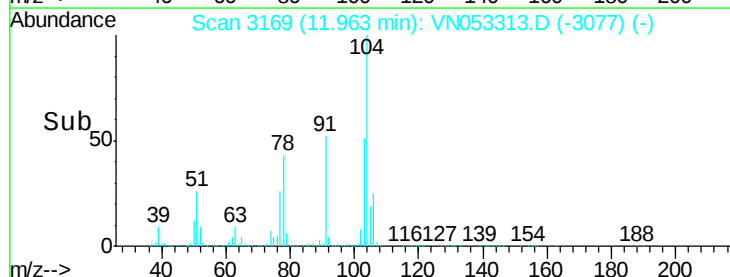
200000

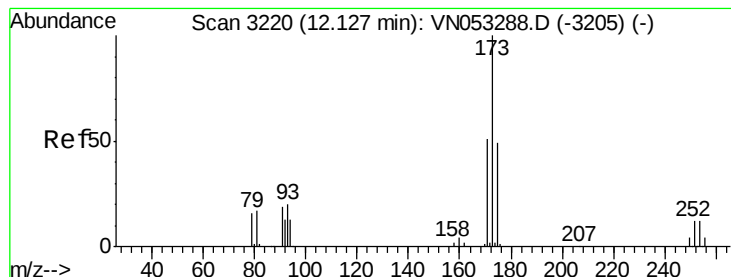
100000

0

11.90 11.95 12.00

Time-->





#71

Bromoform

Concen: 18.978 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampled :

VN0108WBSD01

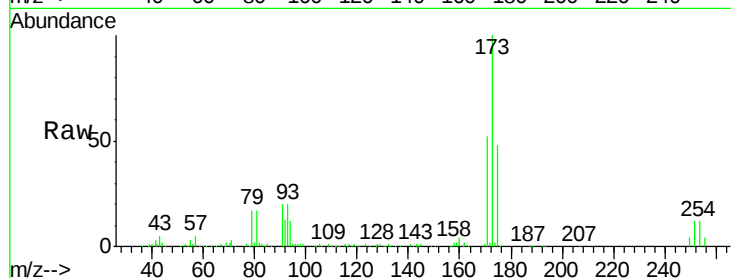
Tot Ion:173 Resp: 146827

Ion Ratio Lower Upper

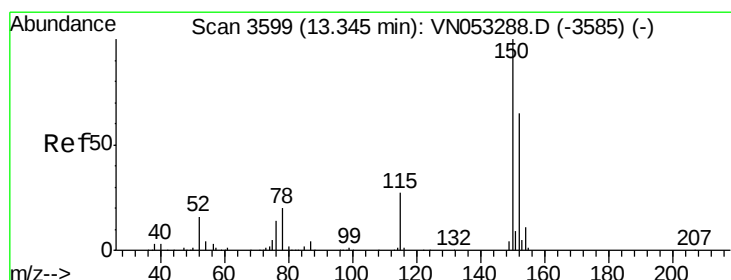
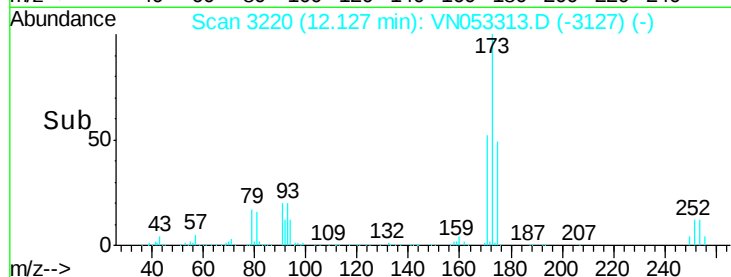
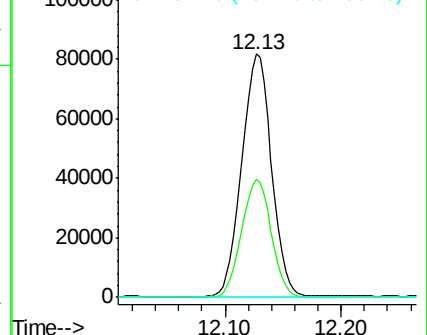
173 100

175 47.9 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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

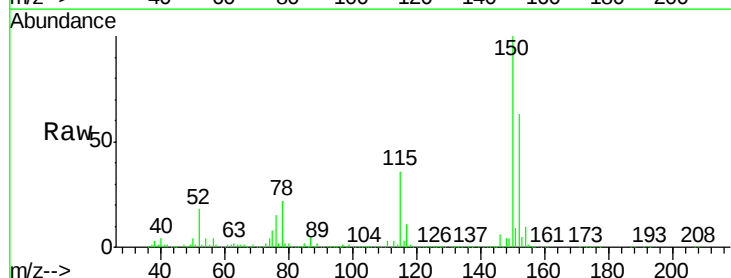
Tgt Ion:152 Resp: 671594

Ion Ratio Lower Upper

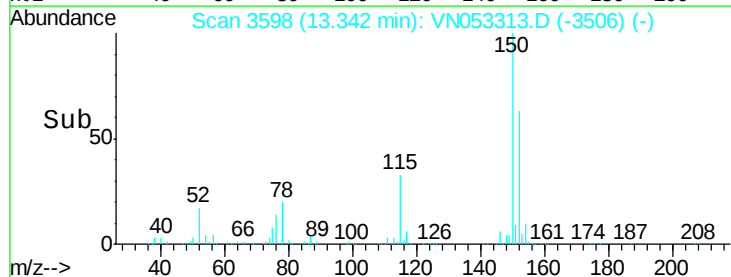
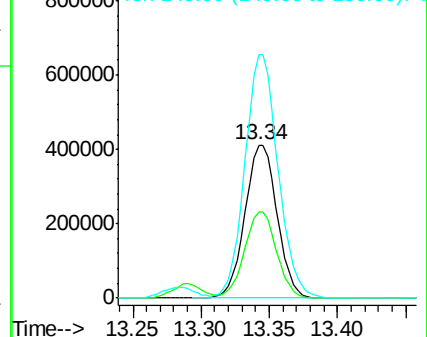
152 100

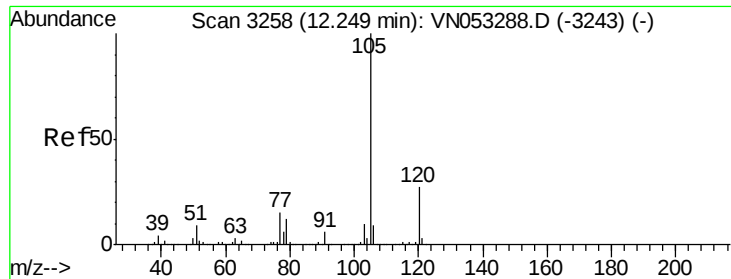
115 55.8 28.0 84.0

150 163.9 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: 20.732 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

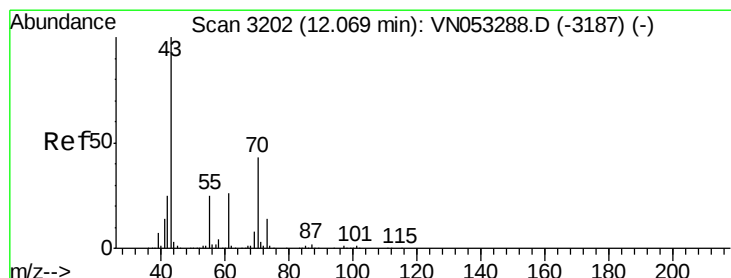
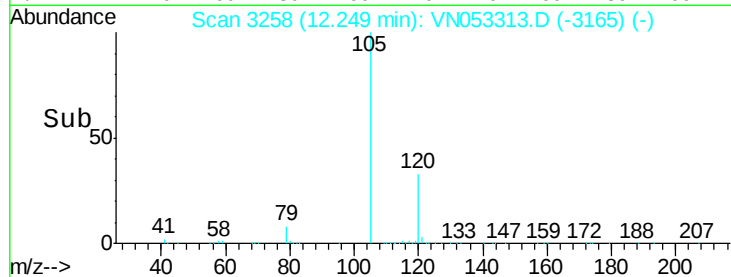
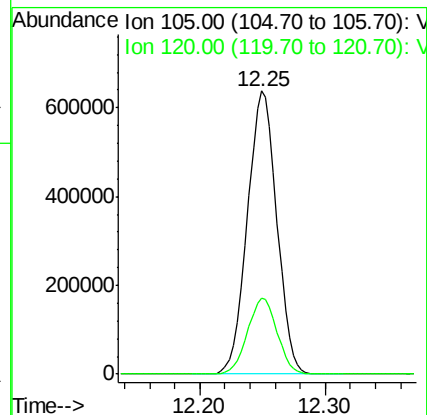
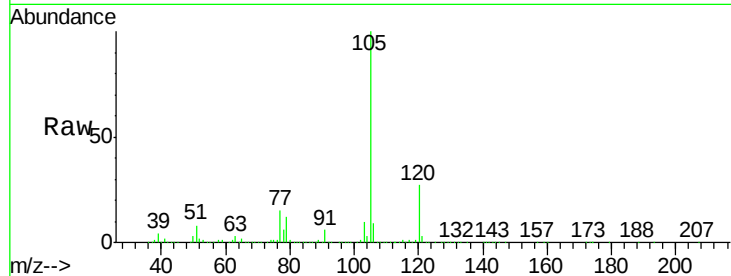
VN0108WBSD01

Tot Ion:105 Resp: 1036655

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



#74

N-ethyl acetate

Concen: 20.612 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Tgt Ion: 43 Resp: 307758

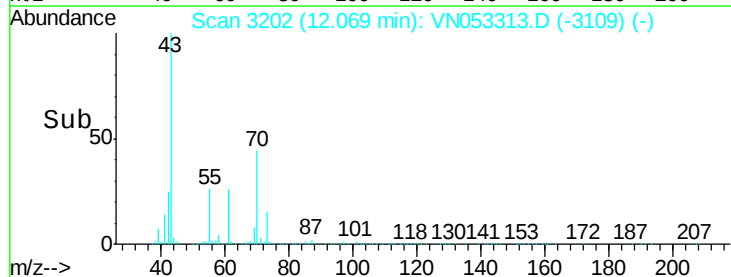
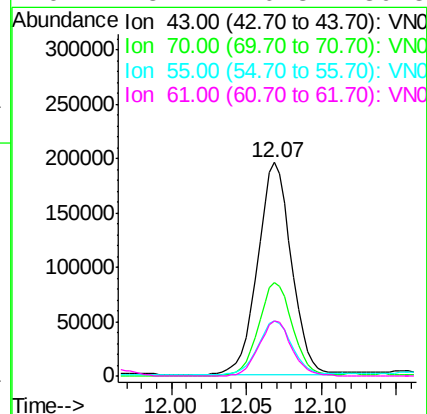
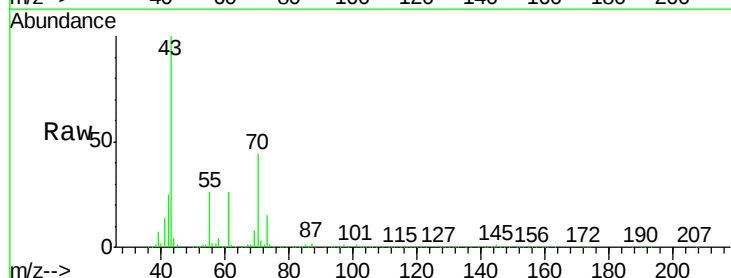
Ion Ratio Lower Upper

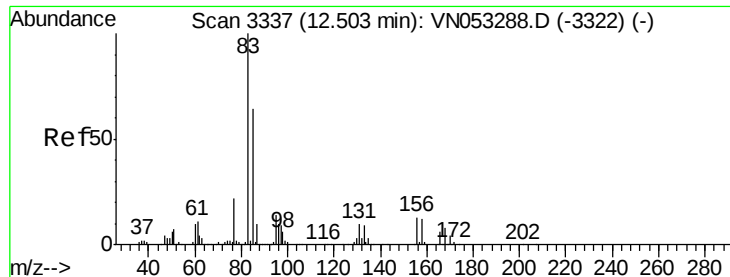
43 100

70 43.6 35.0 52.6

55 25.6 20.0 30.0

61 25.2 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.963 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0108WBSD01

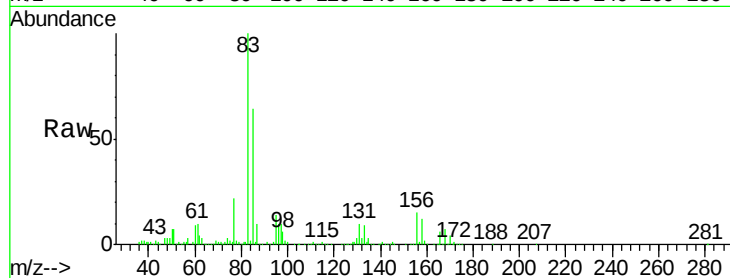
Tot Ion: 83 Resp: 229618

Ion Ratio Lower Upper

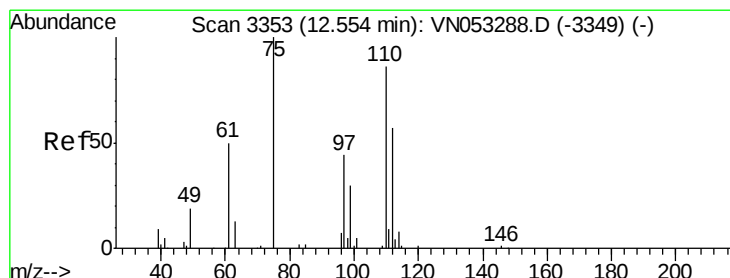
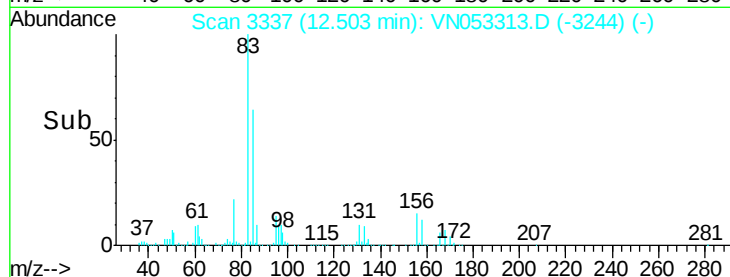
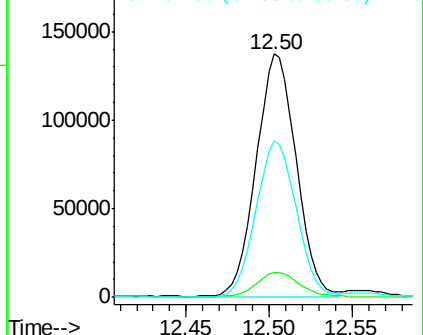
83 100

131 10.9 5.3 15.9

85 65.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 30.582 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053313.D

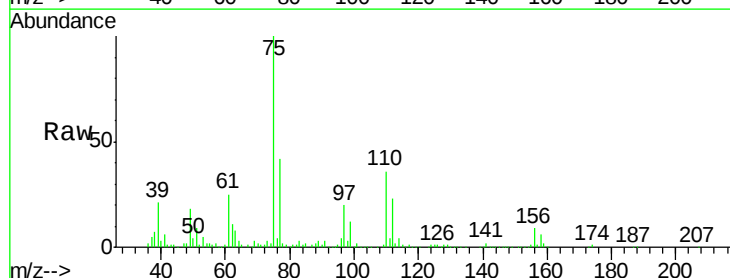
Acq: 8 Jan 2019 12:50

Tgt Ion: 75 Resp: 299567

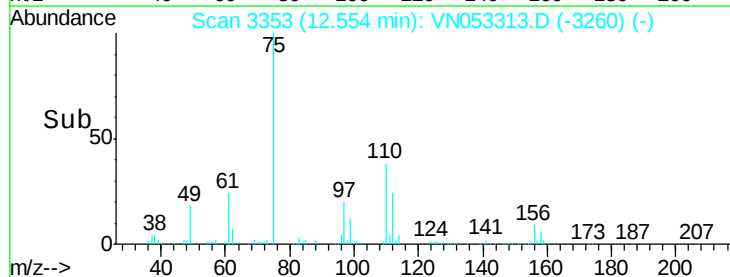
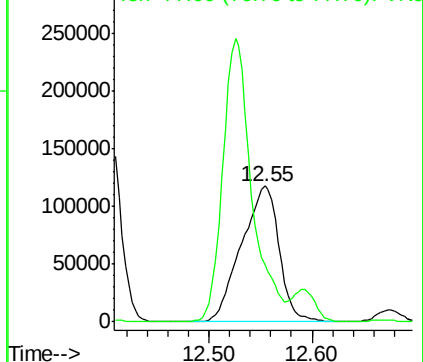
Ion Ratio Lower Upper

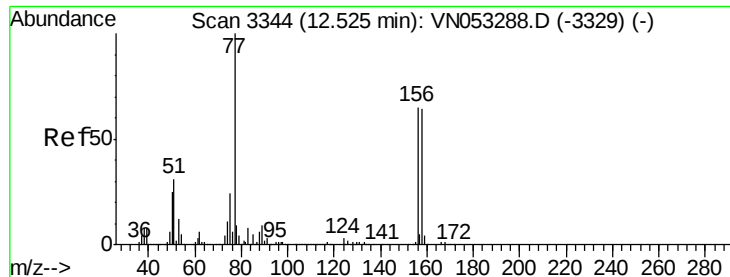
75 100

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): VN





#77

Bromobenzene

Concen: 21.628 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0108WBSD01

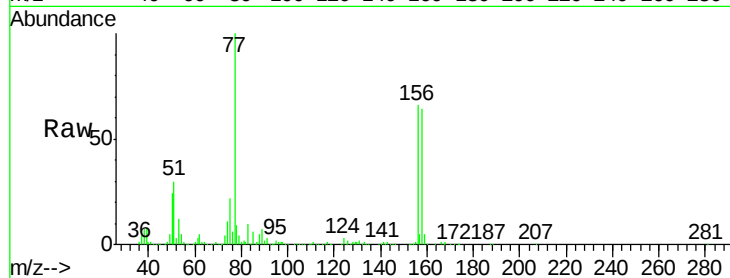
Tot Ion:156 Resp: 288638

Ion Ratio Lower Upper

156 100

77 166.6 89.3 268.1

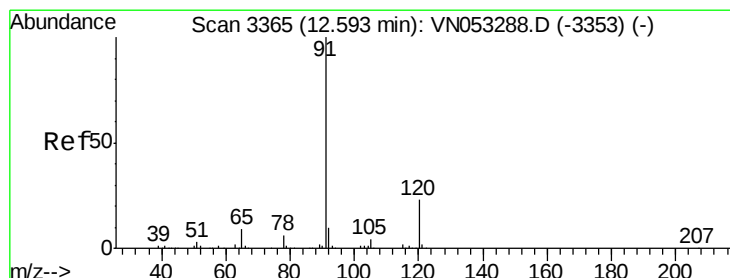
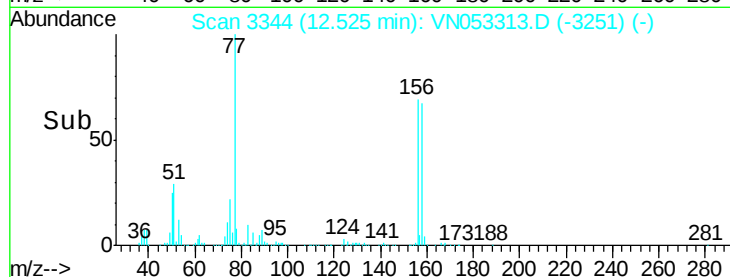
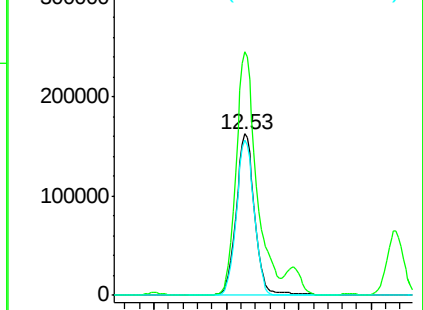
158 92.2 48.9 146.8



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: 20.709 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053313.D

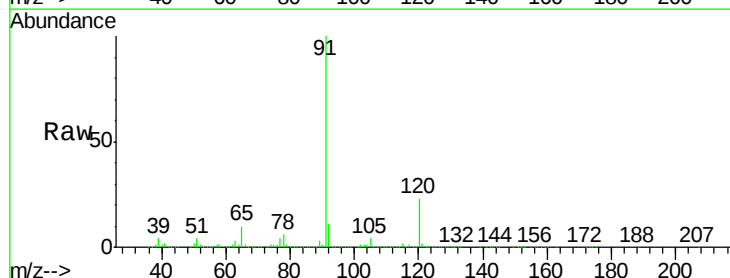
Acq: 8 Jan 2019 12:50

Tgt Ion: 91 Resp: 1171283

Ion Ratio Lower Upper

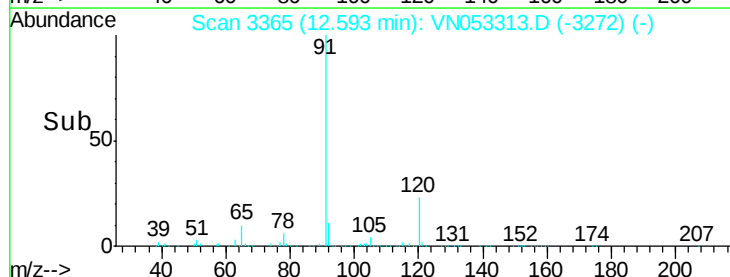
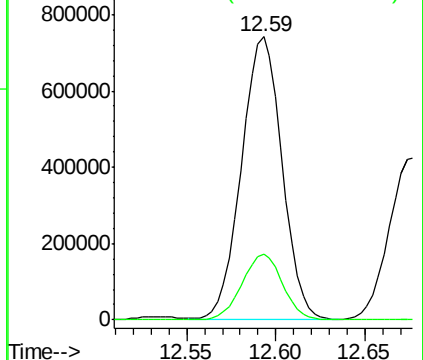
91 100

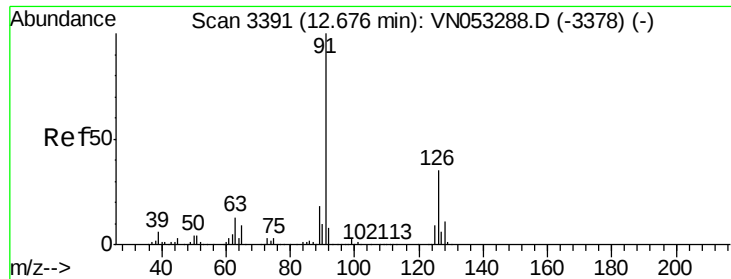
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

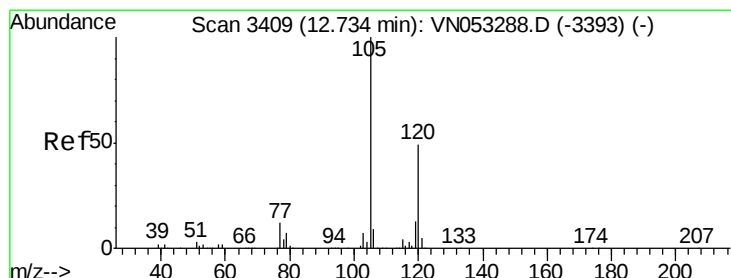
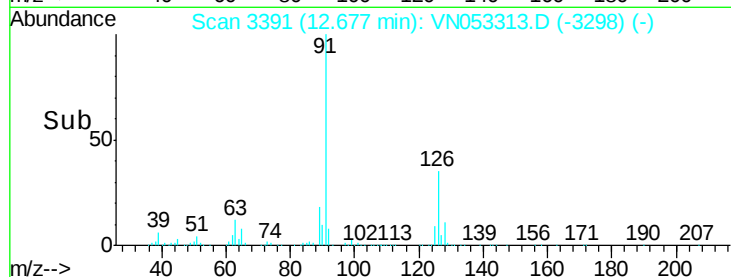
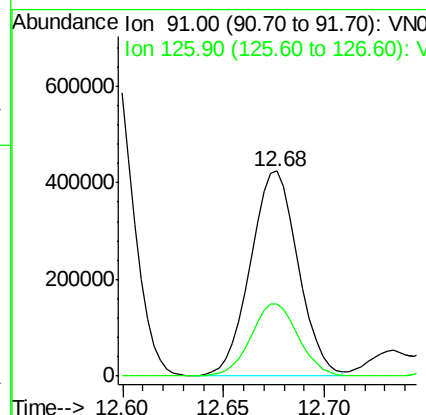
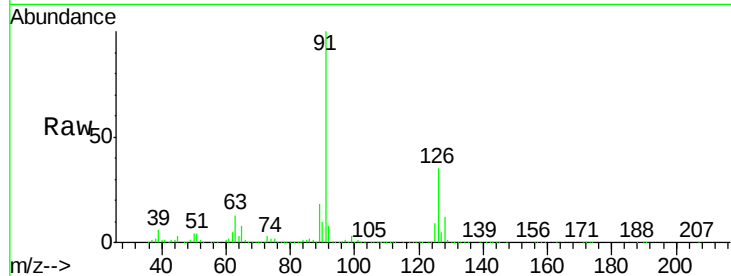




#79
 2-Chlorotoluene
 Concen: 20.393 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

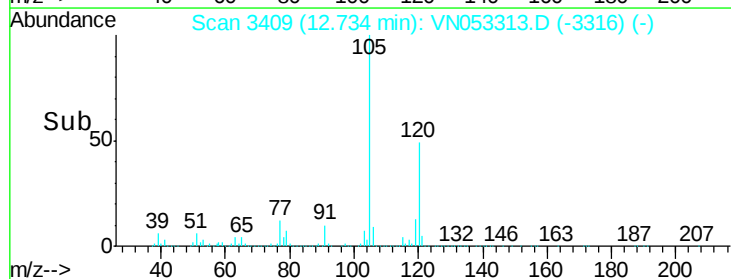
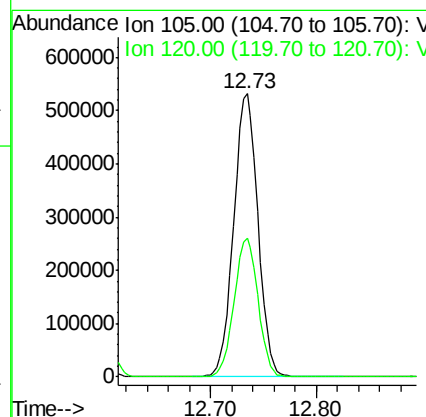
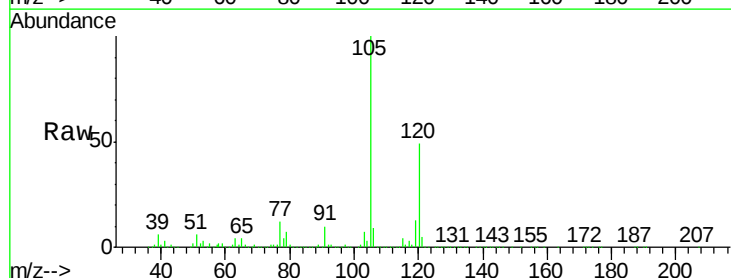
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108WBSD01

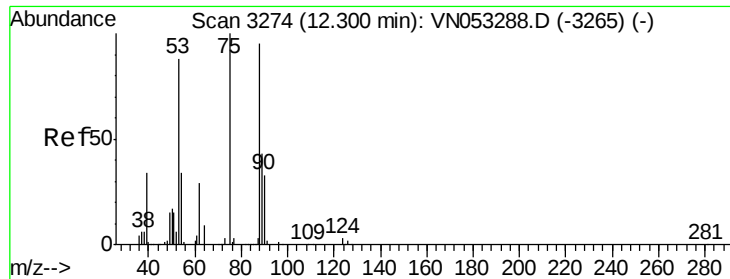
Tot Ion: 91 Resp: 697905
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.863 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

Tgt Ion: 105 Resp: 840292
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.719 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampled :

VN0108WBSD01

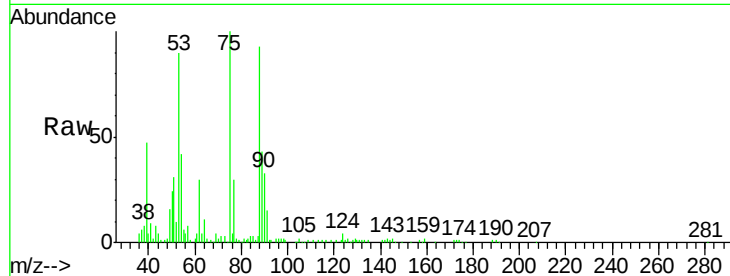
Tot Ion: 75 Resp: 65653

Ion Ratio Lower Upper

75 100

53 89.4 70.5 105.7

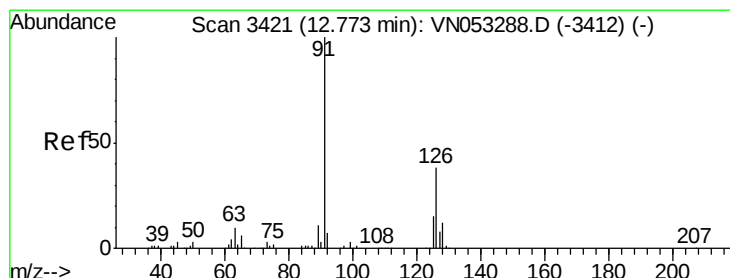
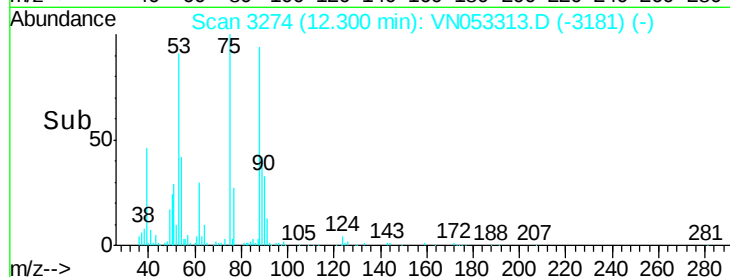
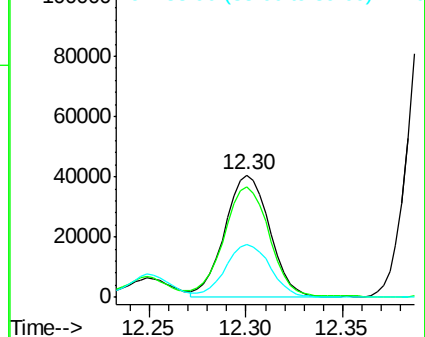
89 43.4 35.4 53.0



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: 20.330 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053313.D

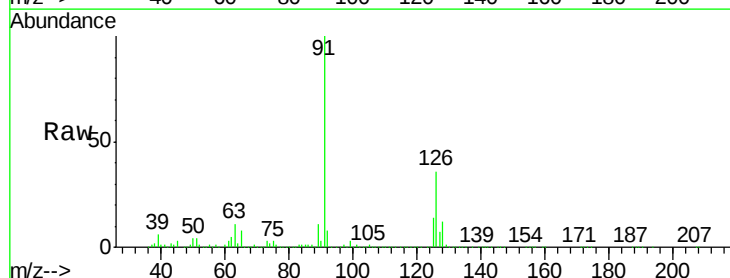
Acq: 8 Jan 2019 12:50

Tgt Ion: 91 Resp: 713448

Ion Ratio Lower Upper

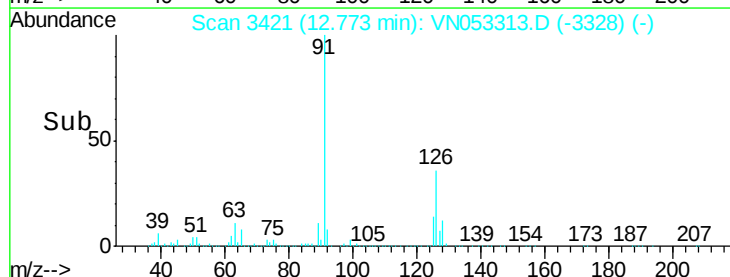
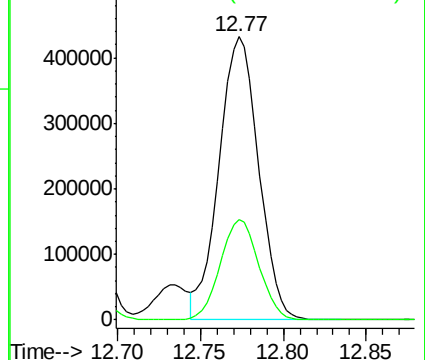
91 100

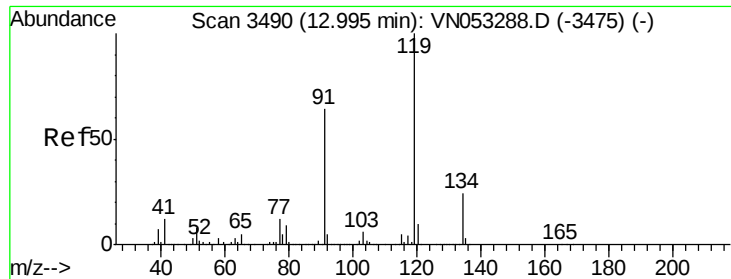
126 34.9 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

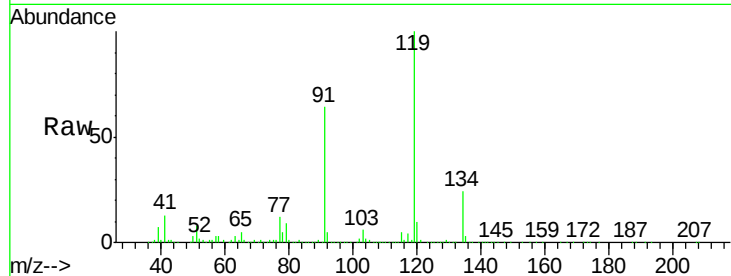




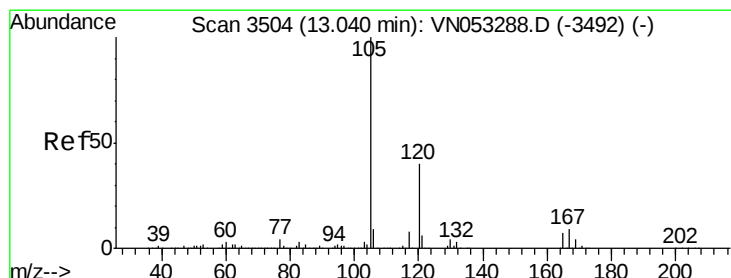
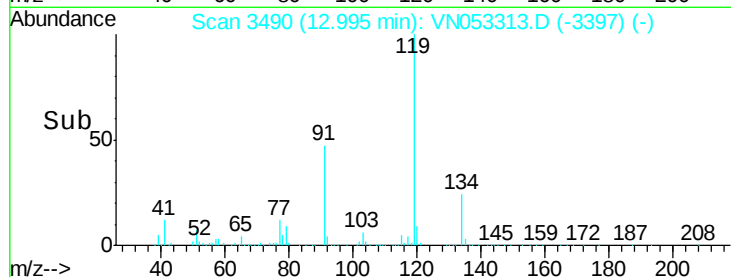
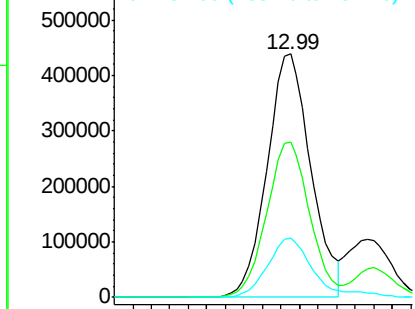
#83
 tert-Butylbenzene
 Concen: 20.457 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108WBSD01

Tot Ion:119 Resp: 722897
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.6 95.0
 134 25.6 12.9 38.6

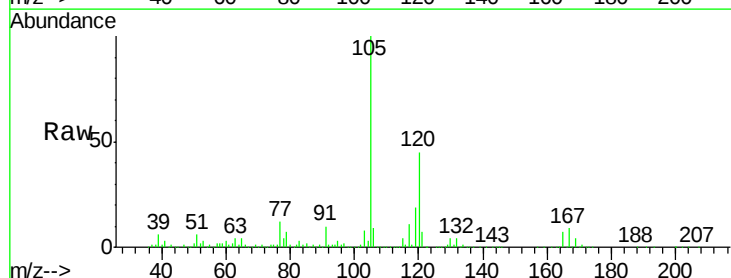


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

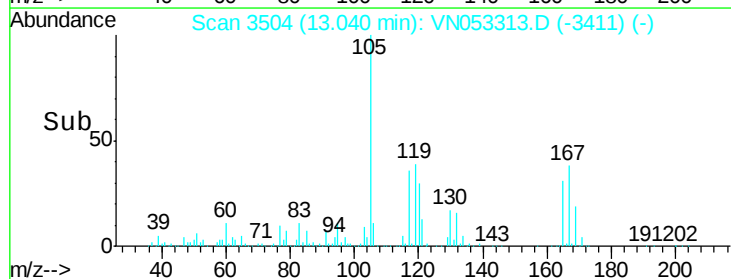
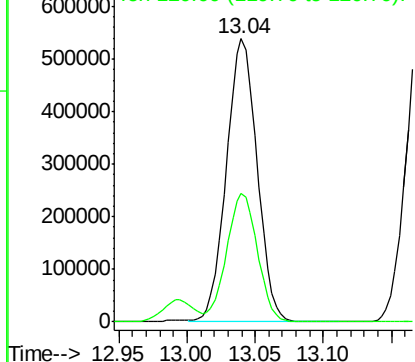


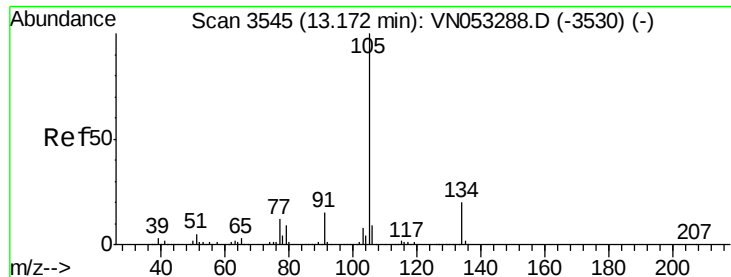
#84
 1,2,4-Trimethylbenzene
 Concen: 20.488 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

Tgt Ion:105 Resp: 840656
 Ion Ratio Lower Upper
 105 100
 120 45.8 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: 20.542 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

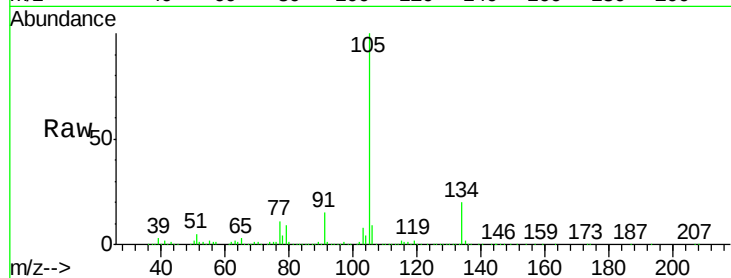
VN0108WBSD01

Tot Ion:105 Resp: 957324

Ion Ratio Lower Upper

105 100

134 20.4 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

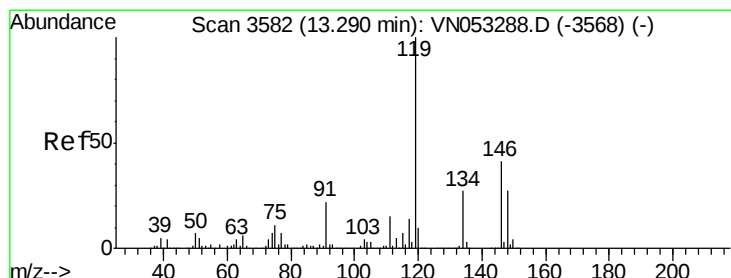
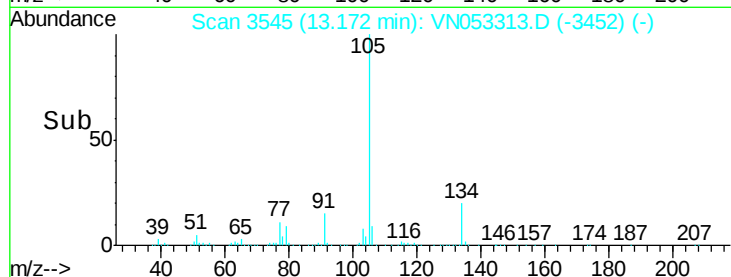
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.802 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

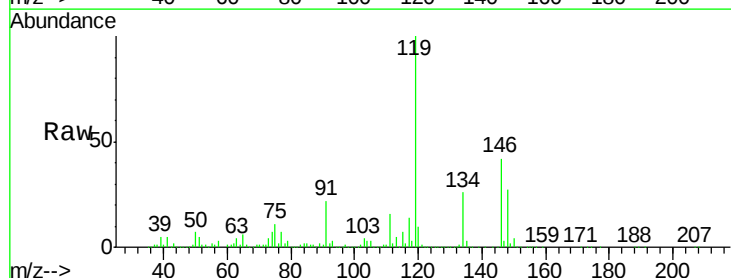
Tgt Ion:119 Resp: 839358

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 22.1 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

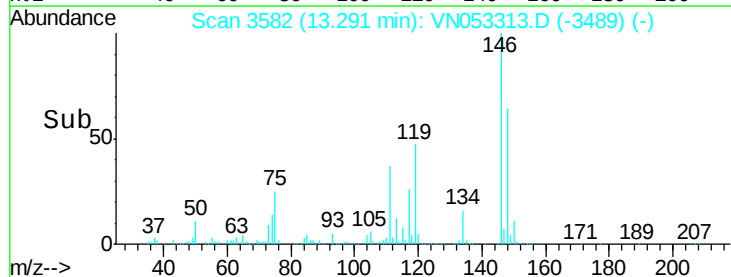
600000

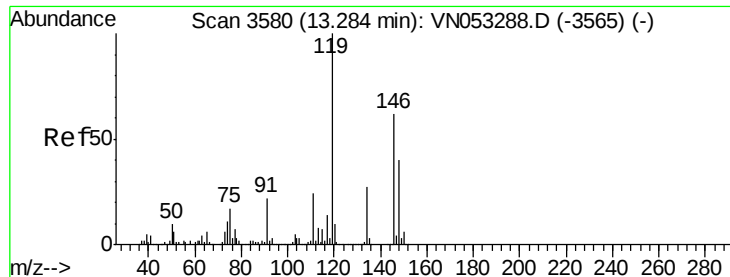
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.117 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0108WBSD01

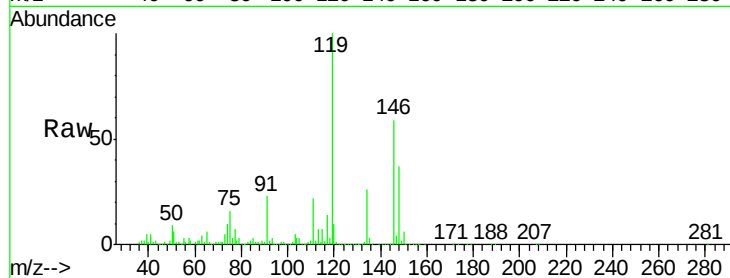
Tot Ion:146 Resp: 472762

Ion Ratio Lower Upper

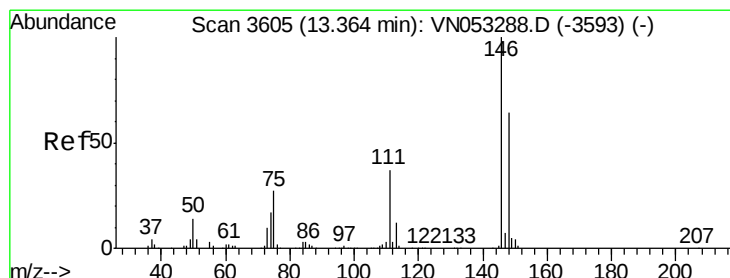
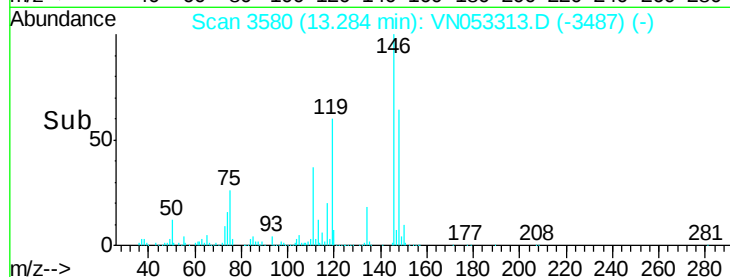
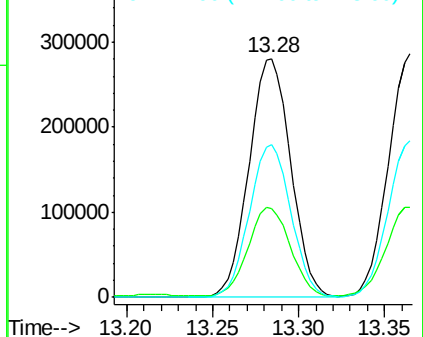
146 100

111 37.6 18.9 56.5

148 63.6 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 19.888 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

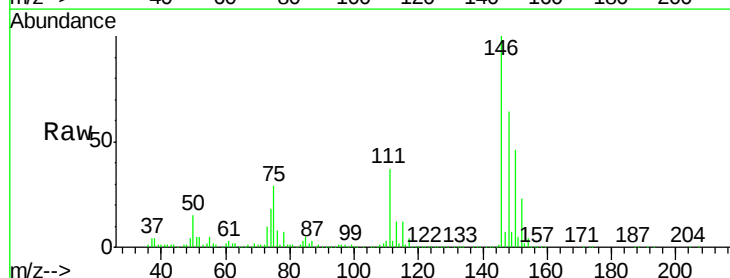
Tgt Ion:146 Resp: 463640

Ion Ratio Lower Upper

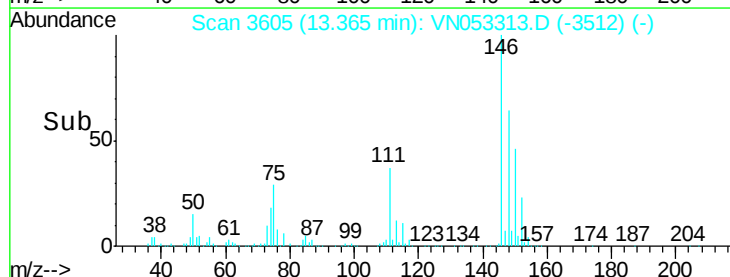
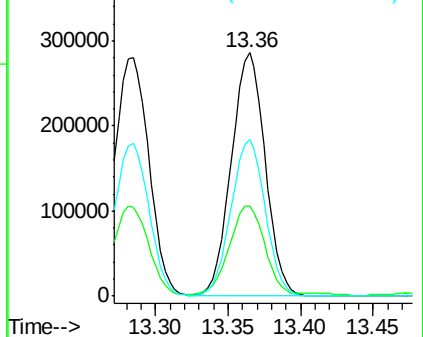
146 100

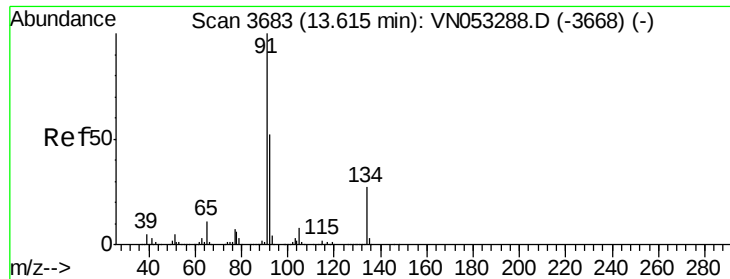
111 38.5 18.6 55.8

148 65.2 32.0 96.0



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





#89

n-Butylbenzene

Concen: 20.398 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0108WBSD01

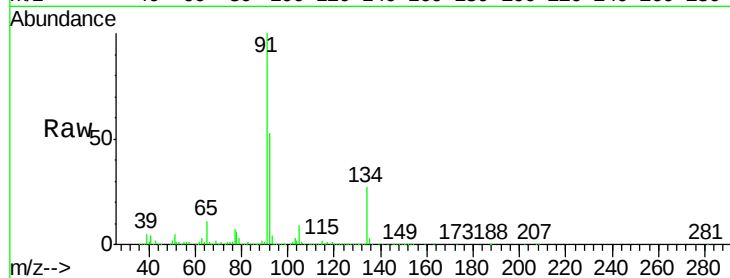
Tot Ion: 91 Resp: 690049

Ion Ratio Lower Upper

91 100

92 52.6 26.3 78.8

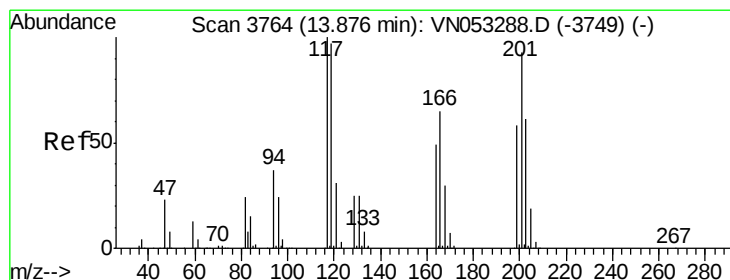
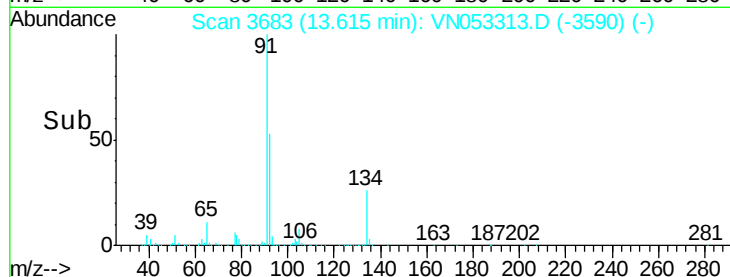
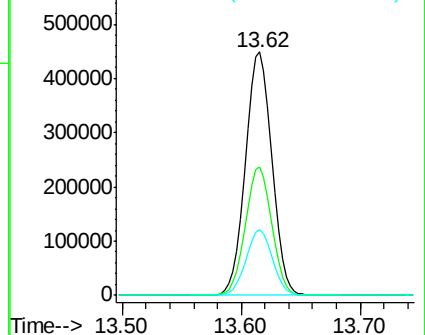
134 27.0 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053288.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053288.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053288.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.474 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053313.D

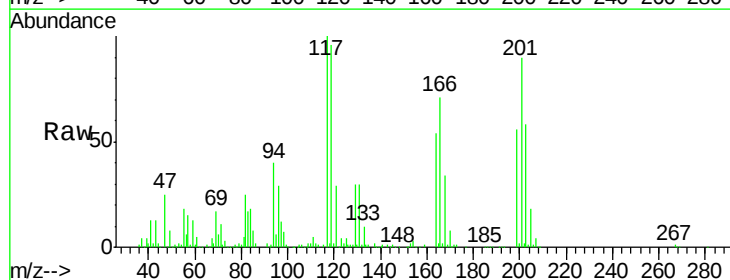
Acq: 8 Jan 2019 12:50

Tgt Ion: 117 Resp: 119479

Ion Ratio Lower Upper

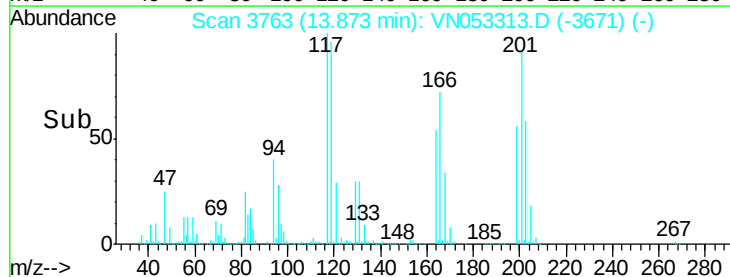
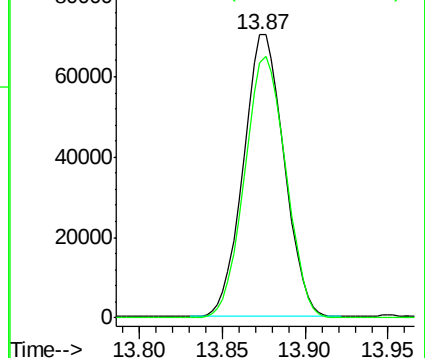
117 100

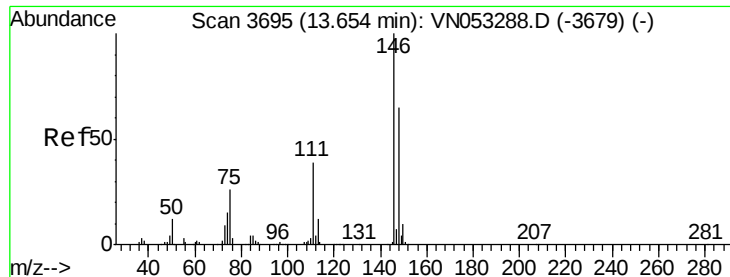
201 94.1 46.1 138.3



Abundance Ion 116.80 (116.50 to 117.50): VN053288.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053288.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 19.804 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampled :

VN0108WBSD01

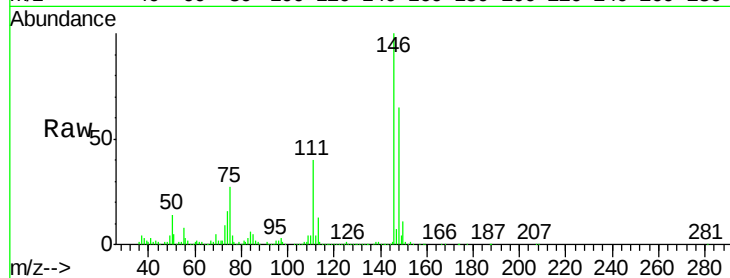
Tot Ion:146 Resp: 435956

Ion Ratio Lower Upper

146 100

111 41.9 19.4 58.2

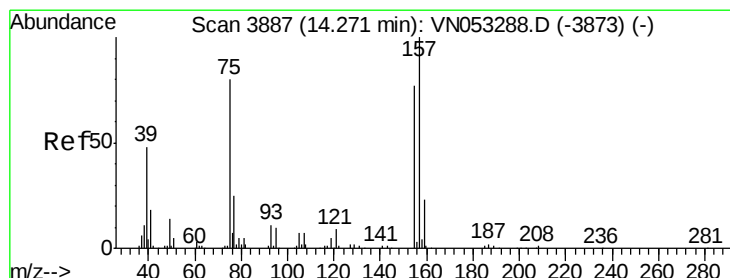
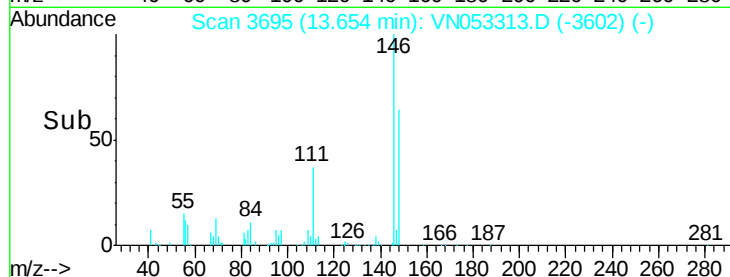
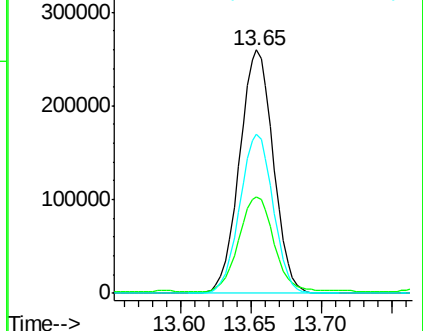
148 64.7 32.2 96.6



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: 19.331 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

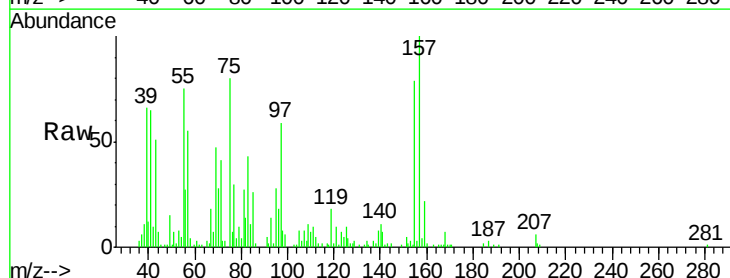
Tgt Ion: 75 Resp: 26969

Ion Ratio Lower Upper

75 100

155 97.5 48.1 144.3

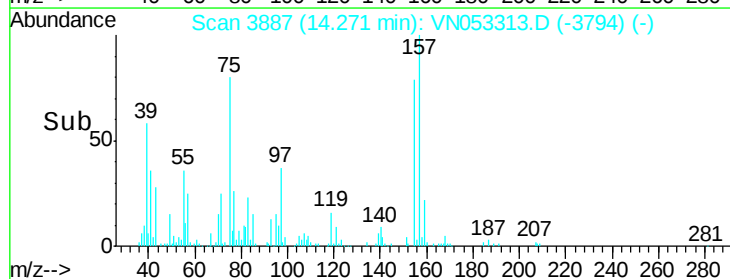
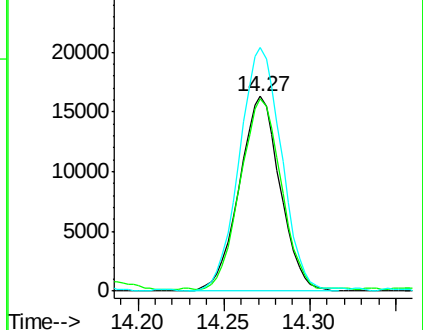
157 128.8 61.5 184.4

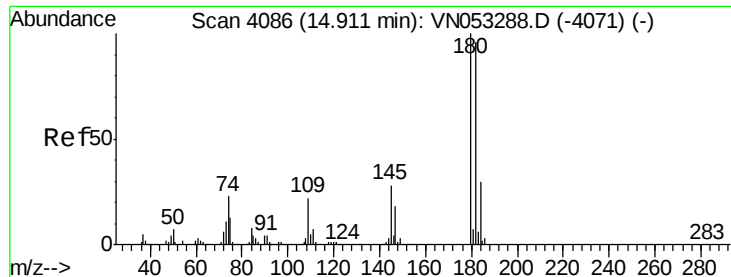


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

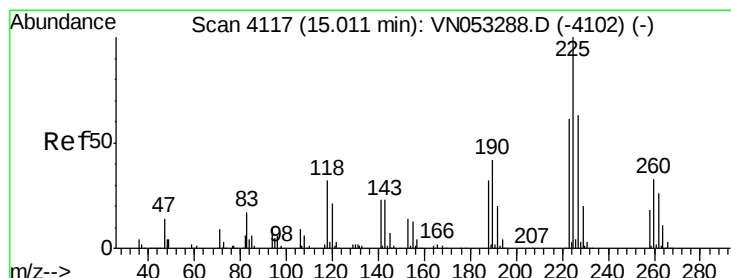
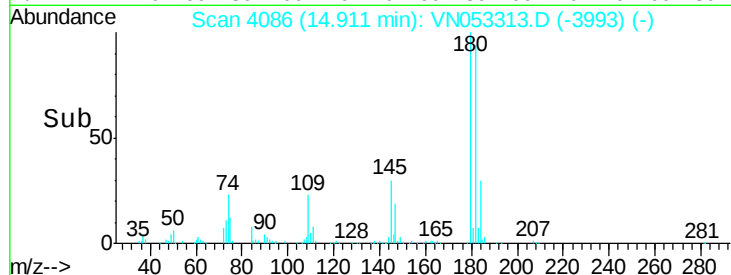
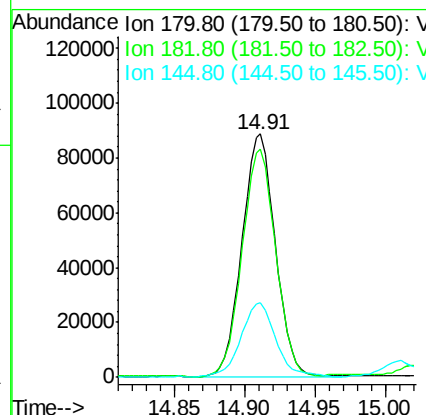
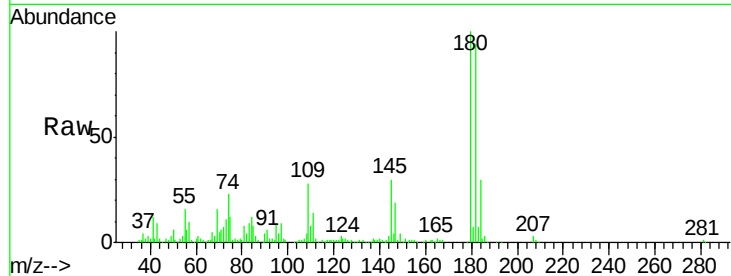




#93
 1,2,4-Trichlorobenzene
 Concen: 21.261 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

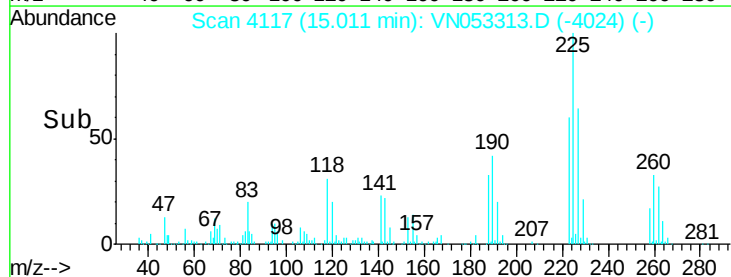
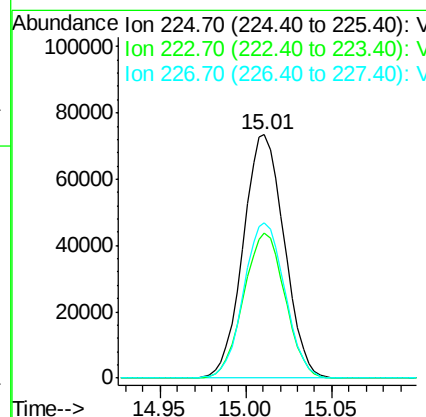
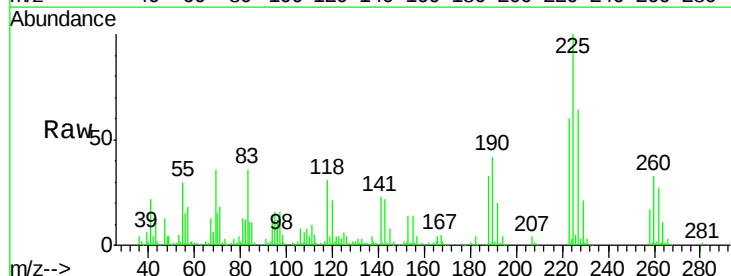
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108WBSD01

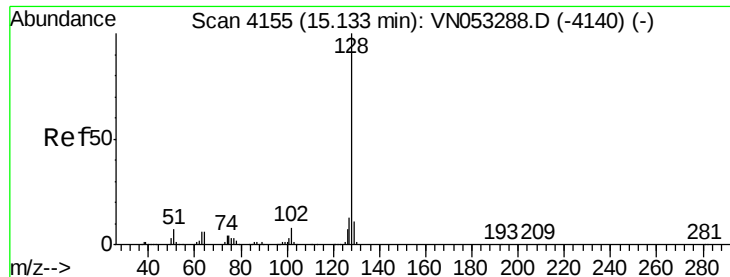
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.8	143.4
145	31.7	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 21.571 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053313.D
 Acq: 8 Jan 2019 12:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.0	30.9	92.8
227	63.6	31.4	94.2





#95

Naphthalene

Concen: 23.435 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0108WBSD01

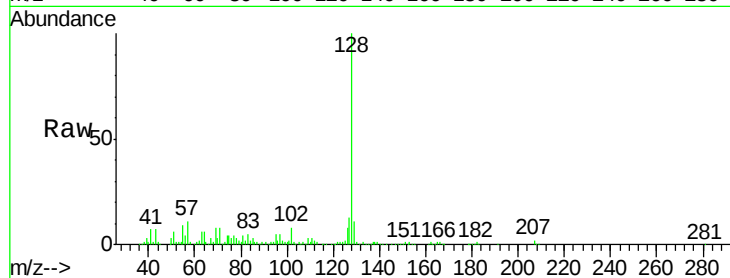
Tot Ion:128 Resp: 276715

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

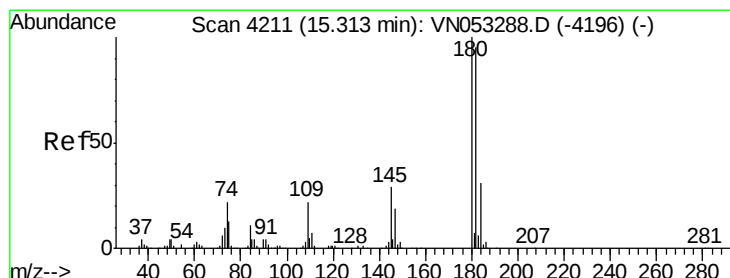
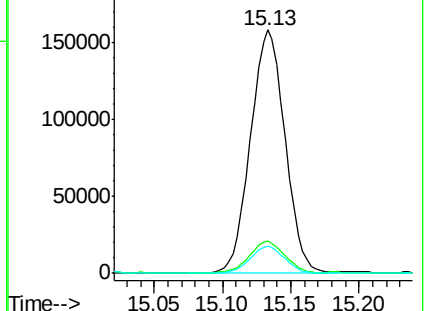
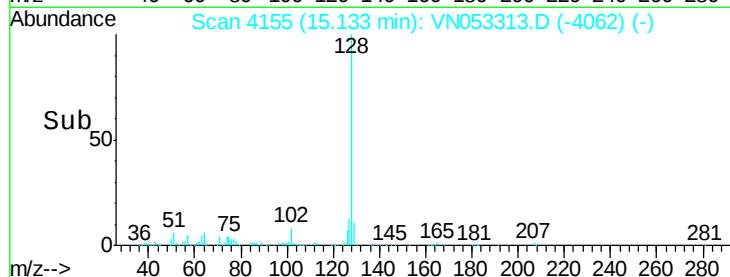
129 11.3 8.7 13.1



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: 23.027 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

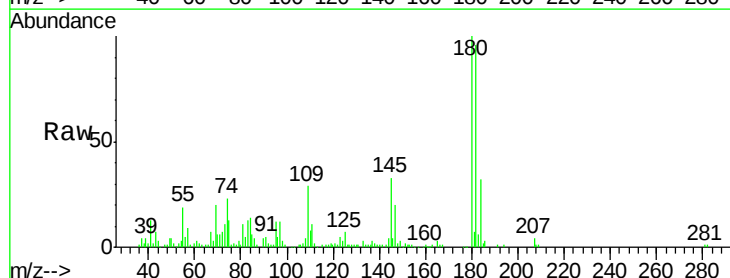
Tgt Ion:180 Resp: 104352

Ion Ratio Lower Upper

180 100

182 94.8 48.4 145.0

145 35.5 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

