

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041819\
 Data File : VN055122.D
 Acq On : 18 Apr 2019 15:45
 Operator : JC/SP
 Sample : VN0418MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 01:29:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	403539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	649595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	216107	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	265005	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.59	113	213472	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
50) Toluene-d8	10.09	98	768231	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	247836	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	82635	18.019	ug/l	98
3) Chloromethane	2.06	50	103296	17.269	ug/l	100
4) Vinyl Chloride	2.19	62	85257	16.958	ug/l	99
5) Bromomethane	2.56	94	41724	14.670	ug/l	94
6) Chloroethane	2.70	64	47012	17.339	ug/l	97
7) Trichlorofluoromethane	3.02	101	124932	19.869	ug/l	99
8) Diethyl Ether	3.41	74	47655	23.743	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	76441	23.231	ug/l	98
10) Methyl Iodide	3.95	142	82715	16.199	ug/l	94
11) Tert butyl alcohol	4.80	59	36823	125.239	ug/l	99
12) 1,1-Dichloroethene	3.74	96	71537	22.335	ug/l	89
13) Acrolein	3.61	56	26272	72.290	ug/l	99
14) Allyl chloride	4.32	41	147793	18.851	ug/l	99
15) Acrylonitrile	4.99	53	184963	105.144	ug/l	99
16) Acetone	3.82	43	168451	115.703	ug/l	91
17) Carbon Disulfide	4.05	76	168903	16.336	ug/l	99
18) Methyl Acetate	4.33	43	90622	21.346	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	231475	20.203	ug/l	98
20) Methylene Chloride	4.55	84	91017	17.784	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	78003	18.007	ug/l	93
22) Diisopropyl ether	5.95	45	317062	19.673	ug/l	# 92
23) Vinyl Acetate	5.90	43	1090885	102.402	ug/l	99
24) 1,1-Dichloroethane	5.85	63	163118	19.006	ug/l	99
25) 2-Butanone	6.84	43	241980	111.362	ug/l	100
26) 2,2-Dichloropropane	6.83	77	104531	19.297	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	94501	19.282	ug/l	98
28) Bromochloromethane	7.20	49	82141	19.854	ug/l	97
29) Tetrahydrofuran	7.21	42	152136	106.768	ug/l	98
30) Chloroform	7.37	83	162019	19.435	ug/l	95
31) Cyclohexane	7.66	56	145761	18.420	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	126229	19.111	ug/l	98
36) 1,1-Dichloropropene	7.79	75	110055	17.972	ug/l	100
37) Ethyl Acetate	6.93	43	95375	19.131	ug/l	97
38) Carbon Tetrachloride	7.77	117	104101	17.868	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	117807	17.753	ug/l	98
40) Benzene	8.04	78	351117	19.025	ug/l	99
41) Methacrylonitrile	7.18	41	59752	21.592	ug/l	91
42) 1,2-Dichloroethane	8.13	62	124871	19.487	ug/l	100
43) Isopropyl Acetate	8.17	43	158531	20.637	ug/l	98
44) Trichloroethene	8.83	130	86564	18.726	ug/l	97
45) 1,2-Dichloropropane	9.12	63	99645	19.360	ug/l	98
46) Dibromomethane	9.21	93	55978	19.107	ug/l	93
47) Bromodichloromethane	9.40	83	117930	19.524	ug/l	97
48) Methyl methacrylate	9.20	41	77411	20.331	ug/l	98
49) 1,4-Dioxane	9.20	88	19184	537.791	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	490651	110.558	ug/l	99
52) Toluene	10.16	92	206753	19.560	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	102605	19.438	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	125842	19.208	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	80882	19.860	ug/l	98
56) Ethyl methacrylate	10.43	69	100913	20.647	ug/l	99
57) 1,3-Dichloropropane	10.71	76	139575	20.129	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	191983	96.327	ug/l	98
59) 2-Hexanone	10.75	43	314126	112.693	ug/l	99
60) Dibromochloromethane	10.90	129	79708	20.043	ug/l	98
61) 1,2-Dibromoethane	11.01	107	77162	20.585	ug/l	96
64) Tetrachloroethene	10.63	164	82462	18.284	ug/l	96
65) Chlorobenzene	11.43	112	209929	18.804	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	80051	19.496	ug/l	99
67) Ethyl Benzene	11.51	91	387269	19.425	ug/l	98
68) m/p-Xylenes	11.62	106	277101	38.383	ug/l	99
69) o-Xylene	11.95	106	138040	19.741	ug/l	98
70) Styrene	11.96	104	223403	19.738	ug/l	99
71) Bromoform	12.13	173	48217	20.487	ug/l #	98
73) Isopropylbenzene	12.25	105	362064	18.880	ug/l	100
74) N-amyl acetate	12.07	43	114869	21.279	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	105121	20.486	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	114959	29.582	ug/l #	100
77) Bromobenzene	12.53	156	88645	18.542	ug/l	97
78) n-propylbenzene	12.59	91	395946	19.110	ug/l	100
79) 2-Chlorotoluene	12.67	91	246293	19.058	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	296437	19.155	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21025	21.635	ug/l	94
82) 4-Chlorotoluene	12.77	91	233820	19.393	ug/l	99
83) tert-Butylbenzene	12.99	119	251548	19.247	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	282660	19.273	ug/l	99
85) sec-Butylbenzene	13.17	105	322766	19.381	ug/l	98
86) p-Isopropyltoluene	13.29	119	274794	19.233	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	139338	19.175	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	133743	19.300	ug/l	99
89) n-Butylbenzene	13.61	91	200953	18.946	ug/l	99
90) Hexachloroethane	13.87	117	44135	18.985	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	142021	19.425	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13327	21.091	ug/l	95

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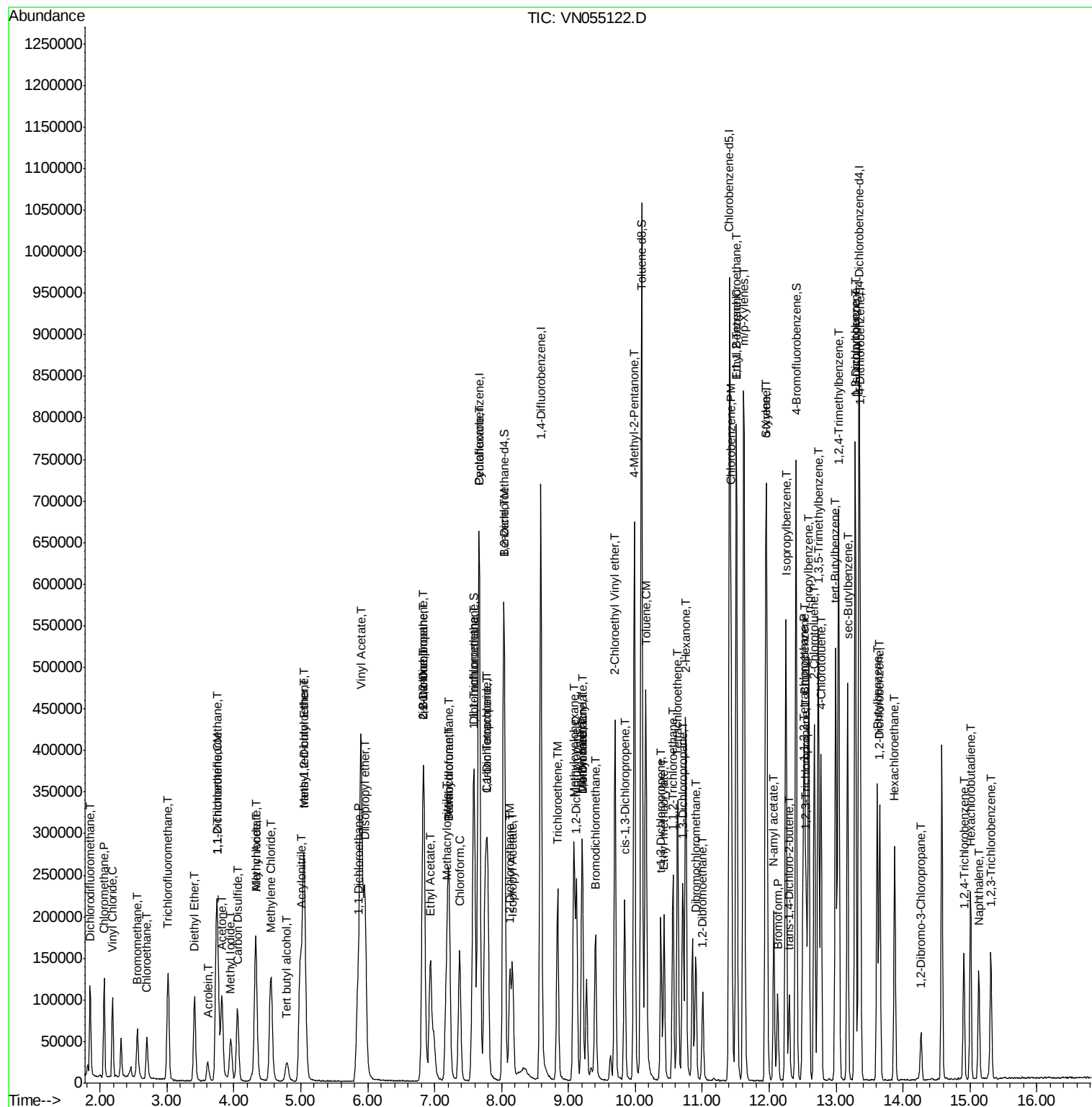
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48158	16.430	ug/l	99
94) Hexachlorobutadiene	15.01	225	43818	19.404	ug/l	99
95) Naphthalene	15.13	128	112845	16.737	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	53485	18.963	ug/l	98

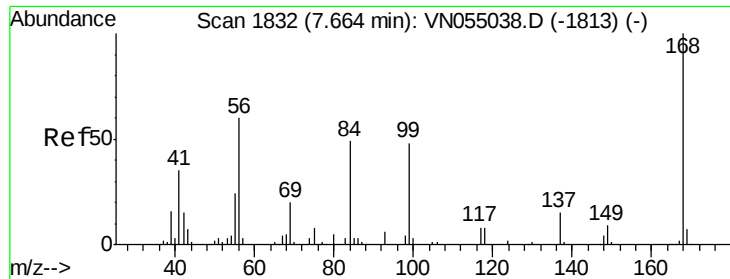
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

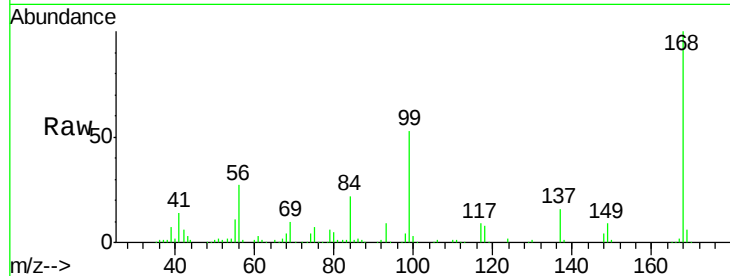
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 403539

Ion Ratio Lower Upper

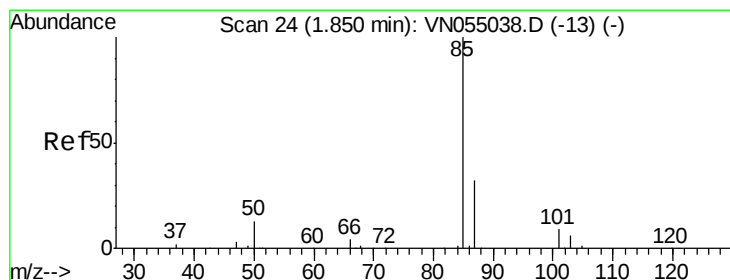
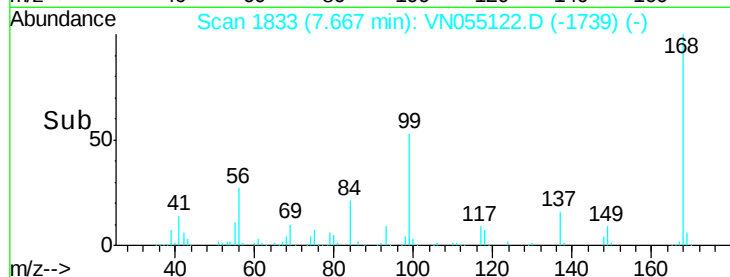
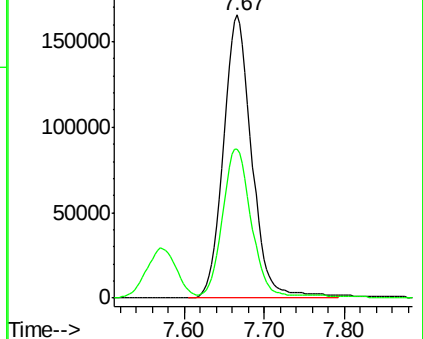
168 100

99 52.2 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.019 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055122.D

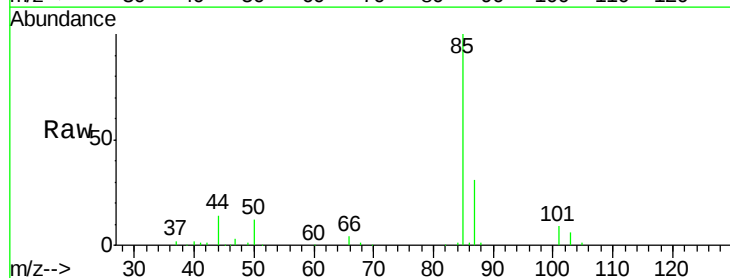
Acq: 18 Apr 2019 15:45

Tgt Ion: 85 Resp: 82635

Ion Ratio Lower Upper

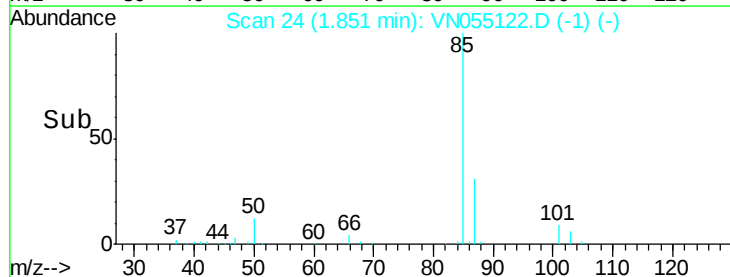
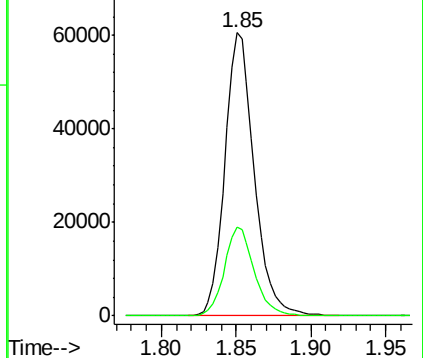
85 100

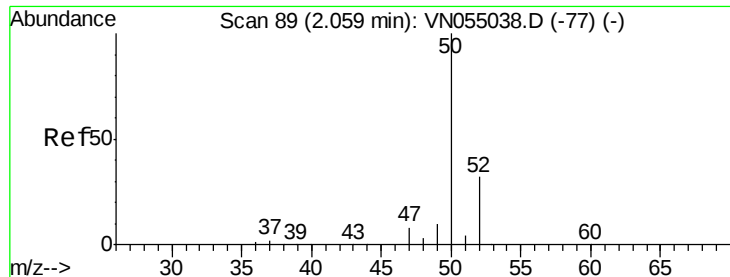
87 31.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.269 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

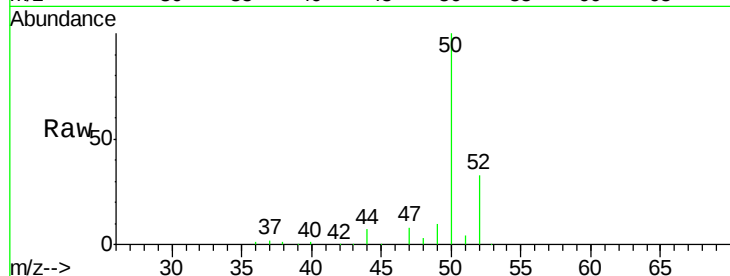
ClientSampled :

Tot Ion: 50 Resp: 103296

Ion Ratio Lower Upper

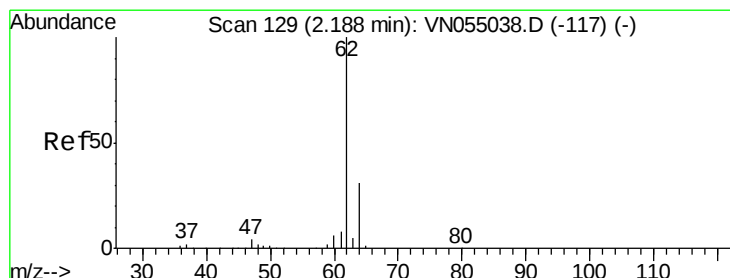
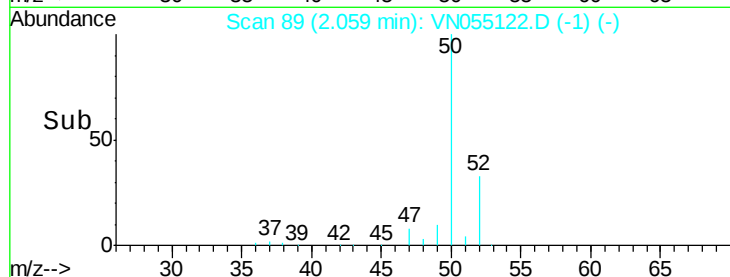
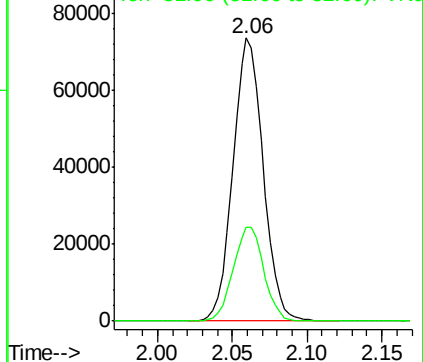
50 100

52 33.2 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 16.958 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055122.D

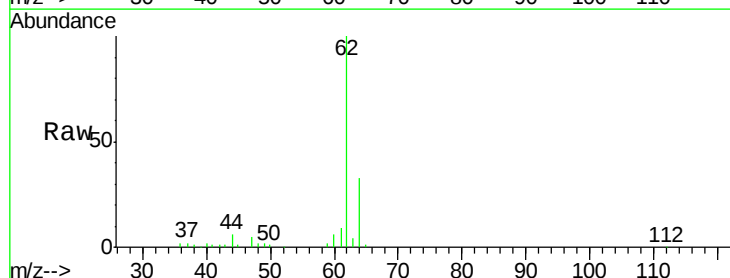
Acq: 18 Apr 2019 15:45

Tgt Ion: 62 Resp: 85257

Ion Ratio Lower Upper

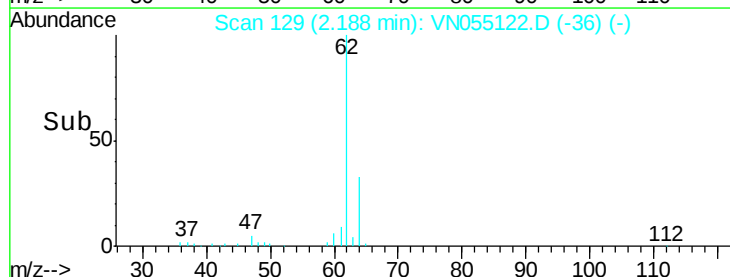
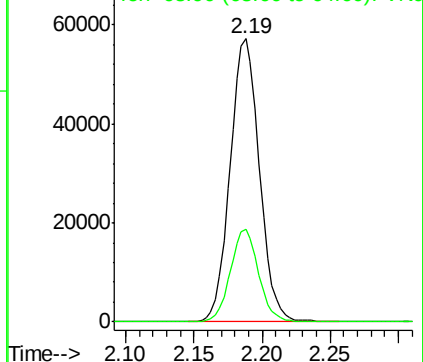
62 100

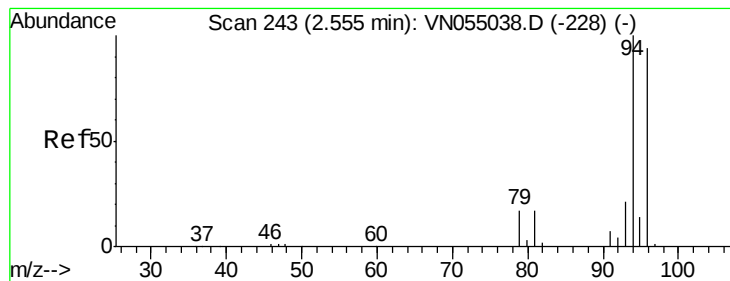
64 32.8 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 14.670 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

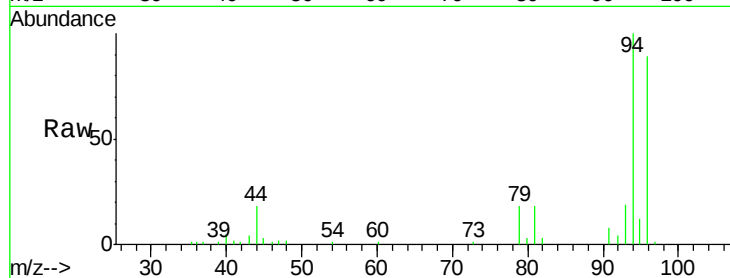
ClientSampled :

Tot Ion: 94 Resp: 41724

Ion Ratio Lower Upper

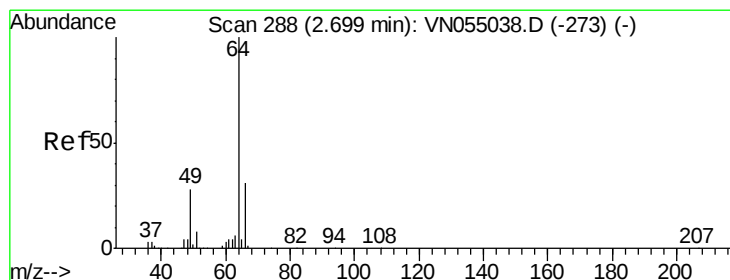
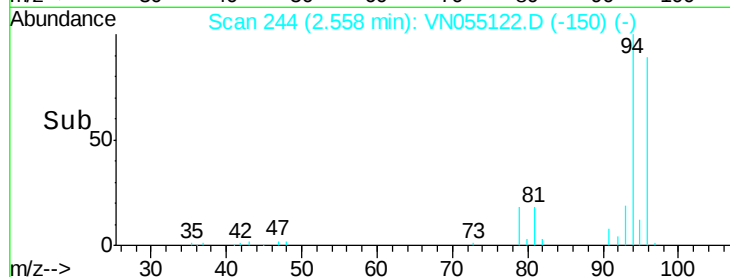
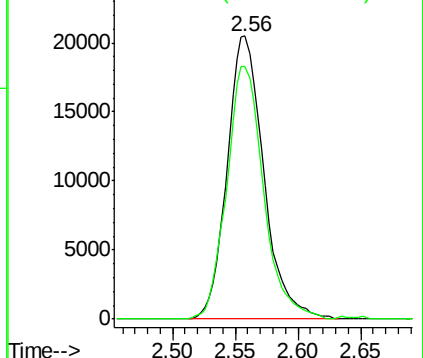
94 100

96 89.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 17.339 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055122.D

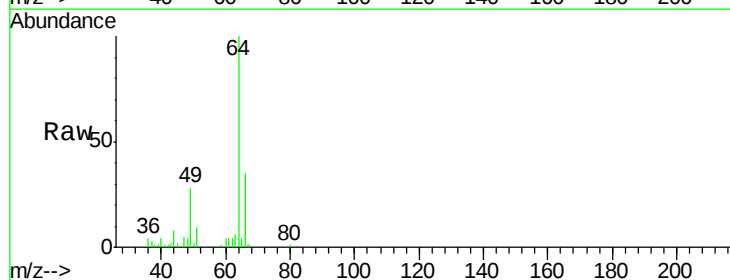
Acq: 18 Apr 2019 15:45

Tgt Ion: 64 Resp: 47012

Ion Ratio Lower Upper

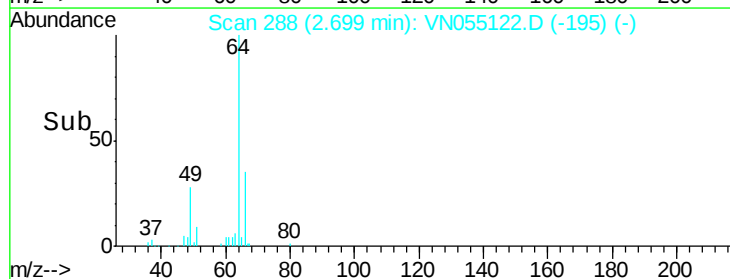
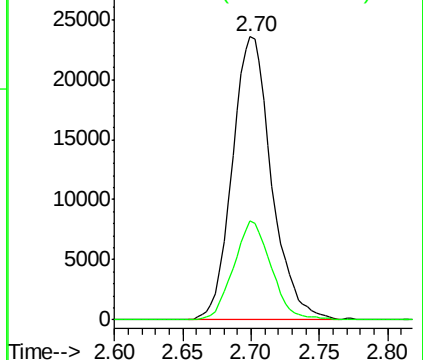
64 100

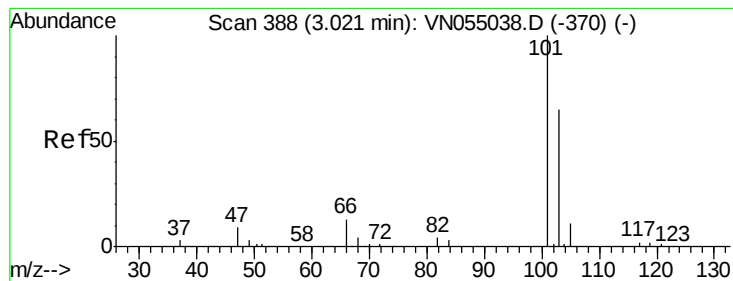
66 35.0 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



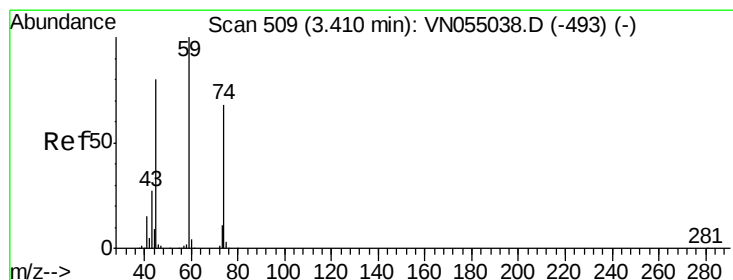
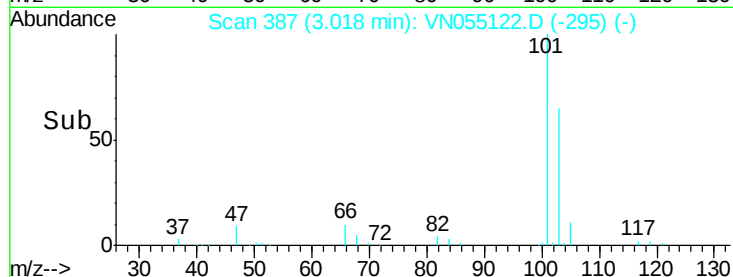
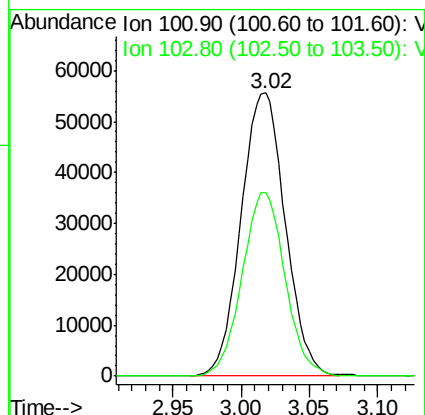
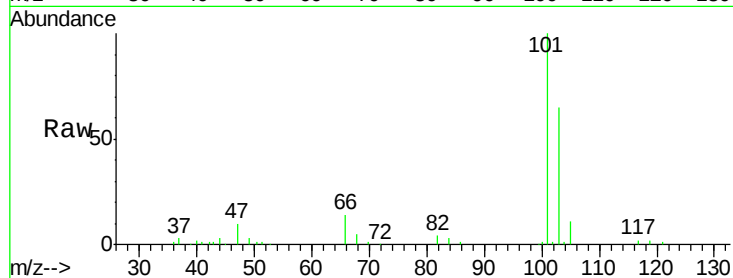


#7

Trichlorofluoromethane
Concen: 19.869 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Instrument :
MSVOA_N
ClientSampled :

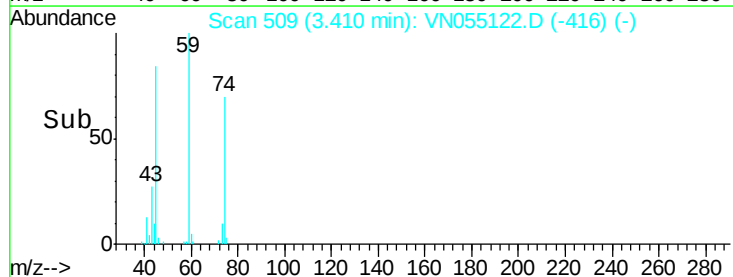
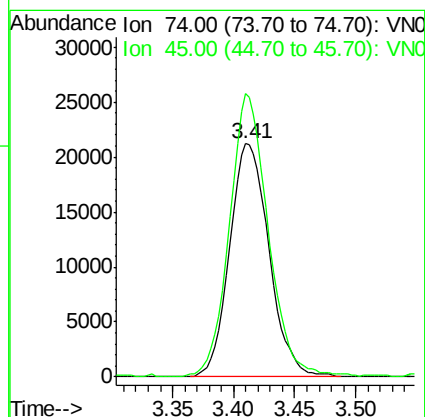
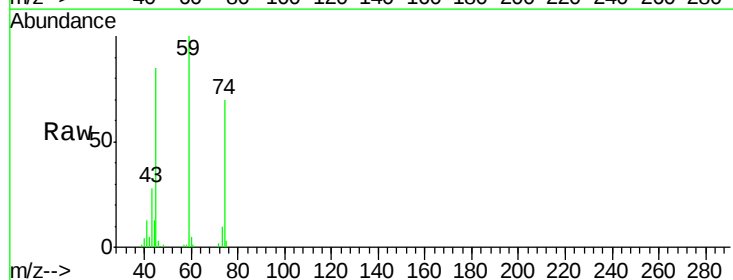
Tot Ion:101 Resp: 124932
Ion Ratio Lower Upper
101 100
103 64.7 52.5 78.7

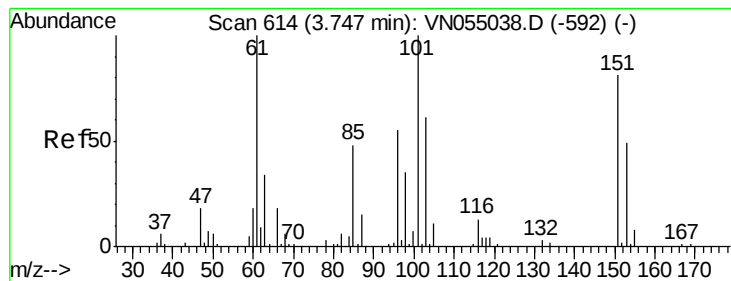


#8

Diethyl Ether
Concen: 23.743 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Tgt Ion: 74 Resp: 47655
Ion Ratio Lower Upper
74 100
45 119.8 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.231 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

ClientSampled :

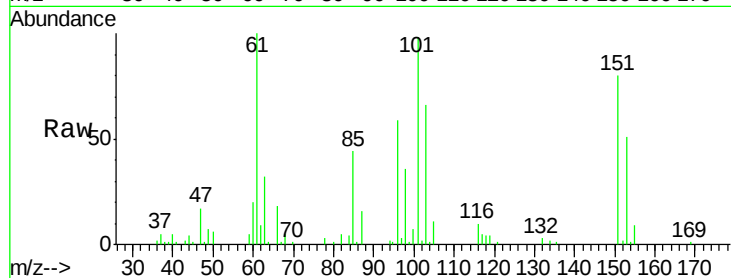
Tot Ion:101 Resp: 76441

Ion Ratio Lower Upper

101 100

85 44.8 36.9 55.3

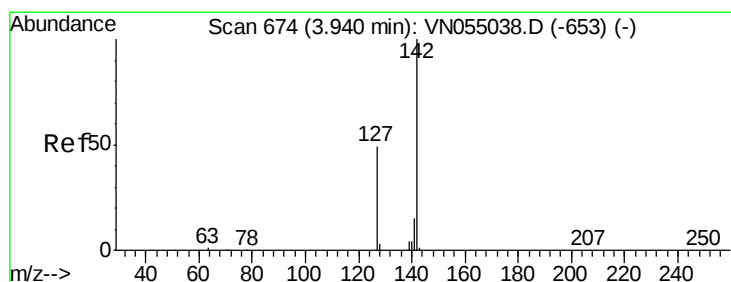
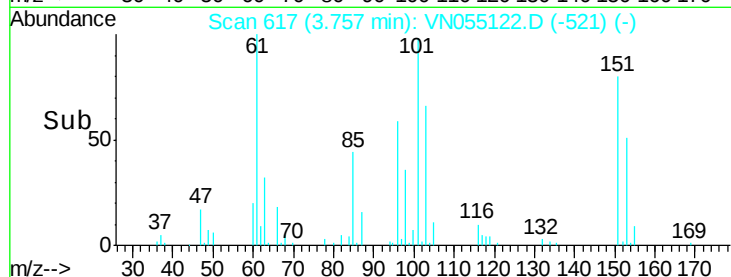
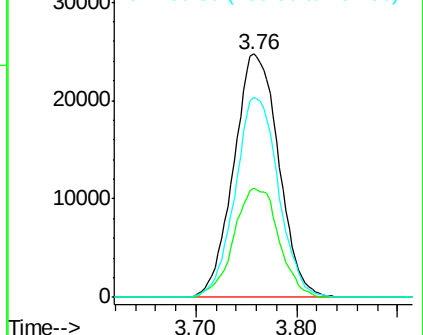
151 79.0 64.4 96.6



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: 16.199 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.01 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

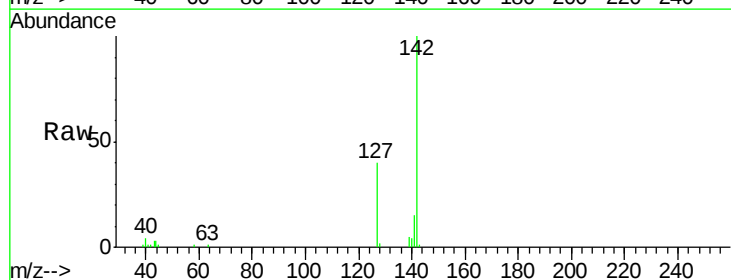
Tgt Ion:142 Resp: 82715

Ion Ratio Lower Upper

142 100

127 42.1 37.9 56.9

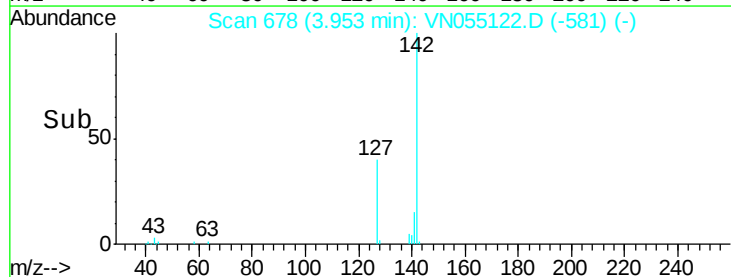
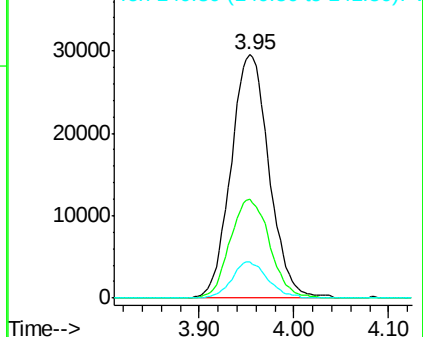
141 14.1 11.8 17.8

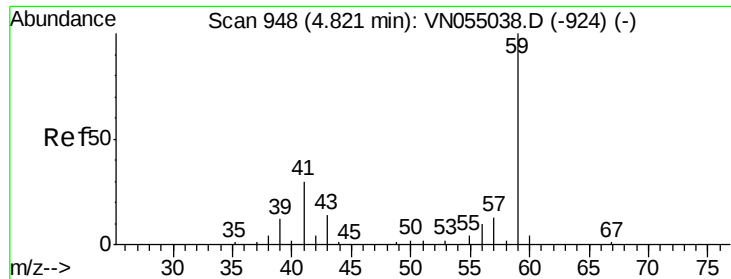


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

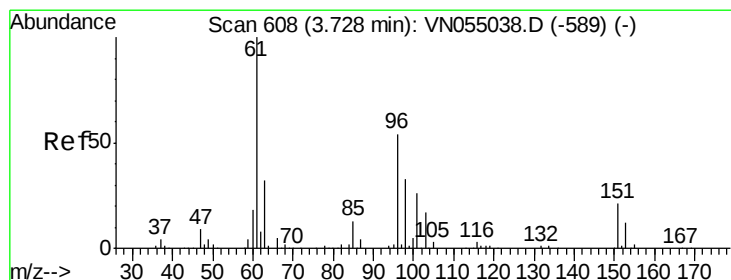
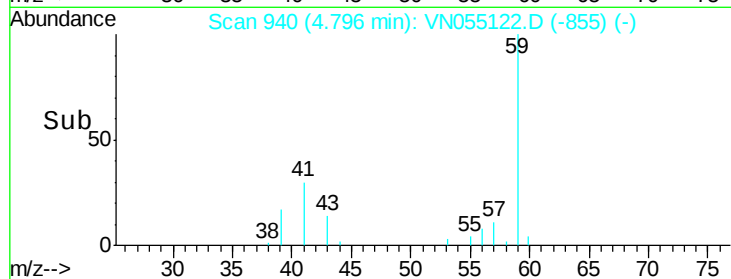
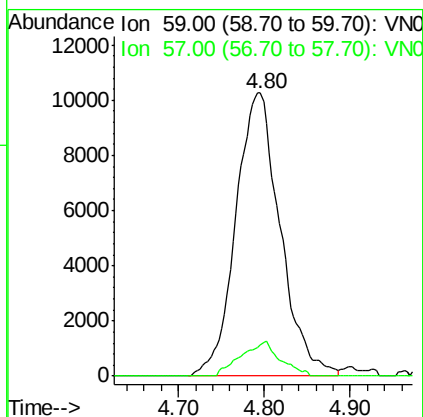
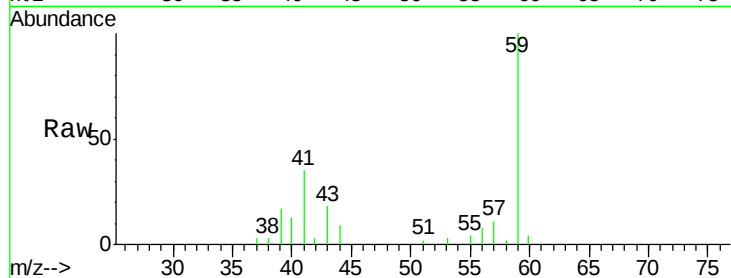




#11
Tert butyl alcohol
Concen: 125.239 ug/l
RT: 4.80 min Scan# 940
Delta R.T. -0.03 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

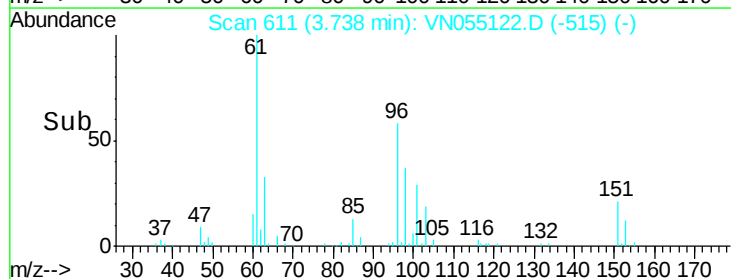
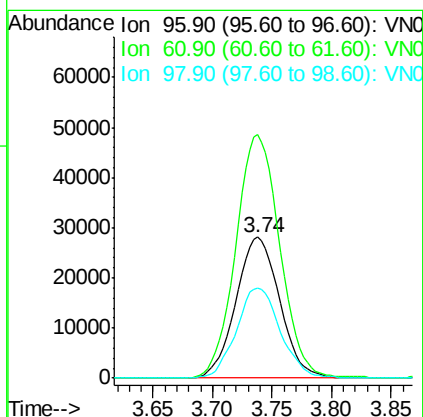
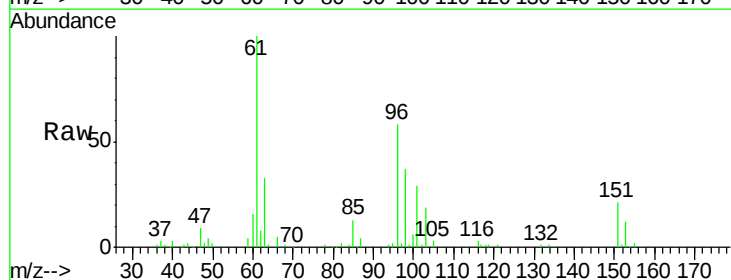
Instrument :
MSVOA_N
ClientSampled :

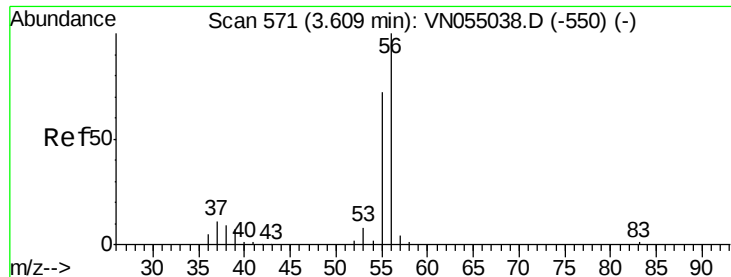
Tot Ion: 59 Resp: 36823
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5



#12
1,1-Dichloroethene
Concen: 22.335 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.01 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Tgt Ion: 96 Resp: 71537
Ion Ratio Lower Upper
96 100
61 172.8 154.2 231.4
98 63.8 52.9 79.3





#13

Acrolein

Concen: 72.290 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

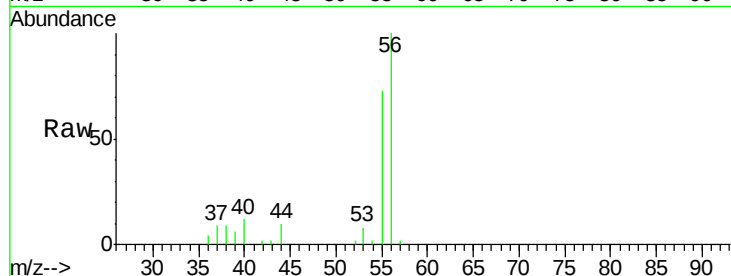
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 26272

Ion Ratio Lower Upper

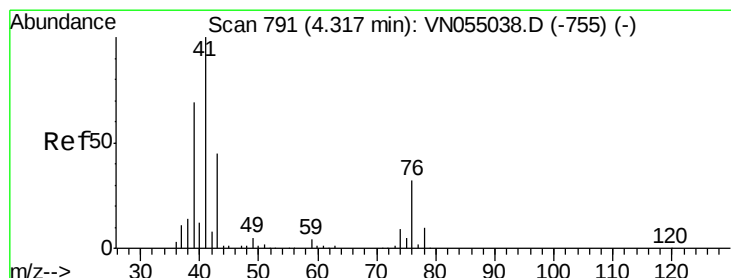
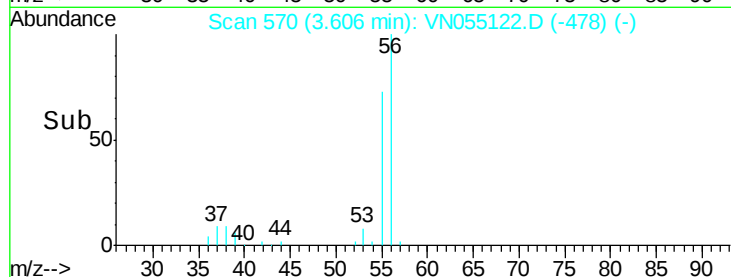
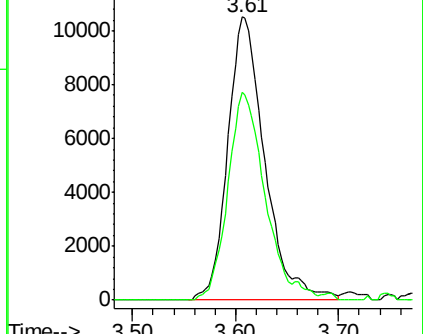
56 100

55 73.8 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.851 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

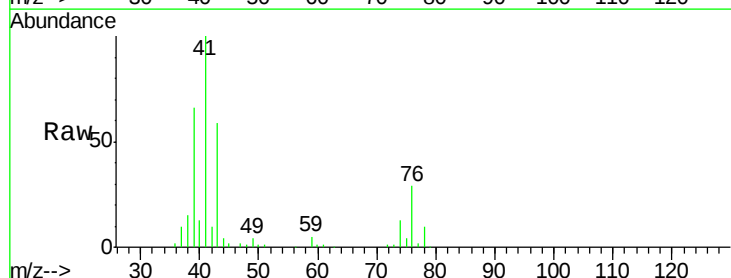
Tgt Ion: 41 Resp: 147793

Ion Ratio Lower Upper

41 100

39 65.3 52.7 79.1

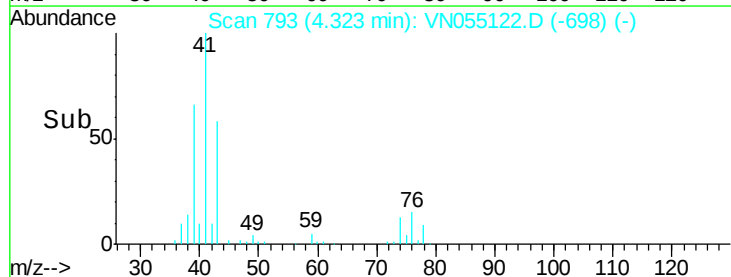
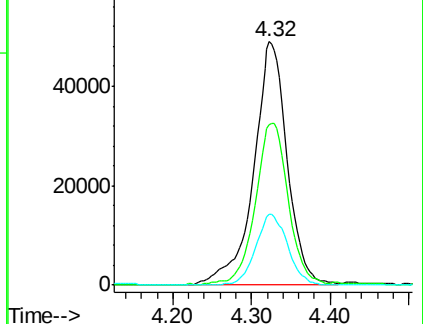
76 27.8 23.2 34.8

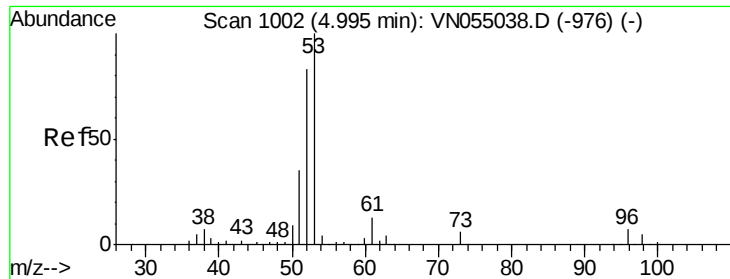


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

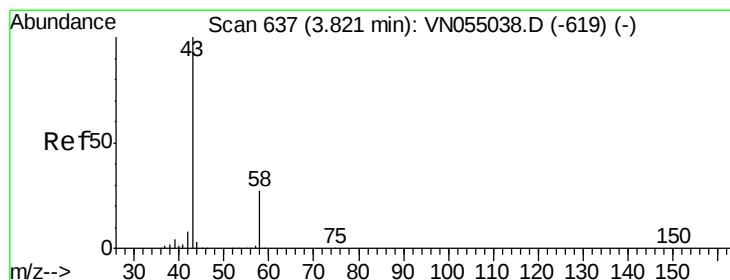
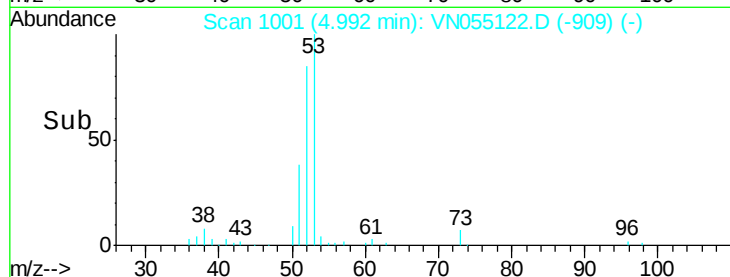
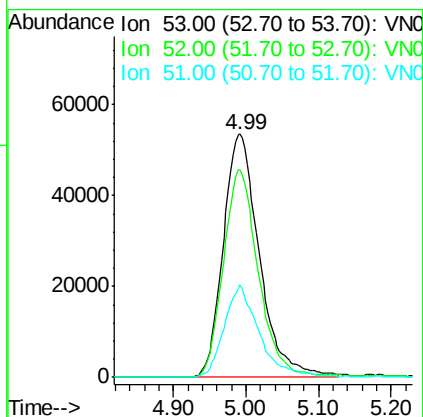
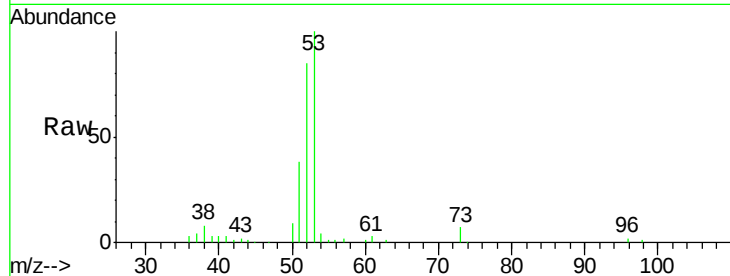




#15
 Acrylonitrile
 Concen: 105.144 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

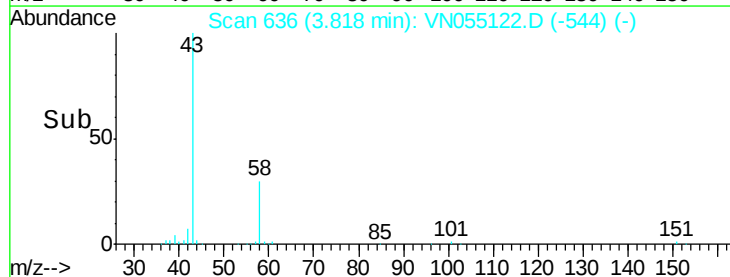
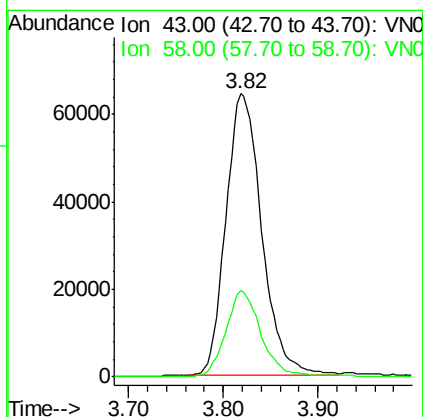
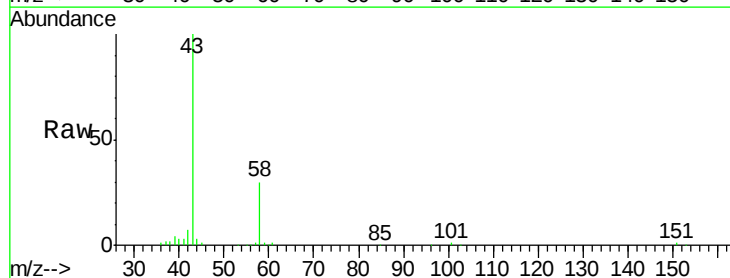
Instrument :
 MSVOA_N
 ClientSampled :

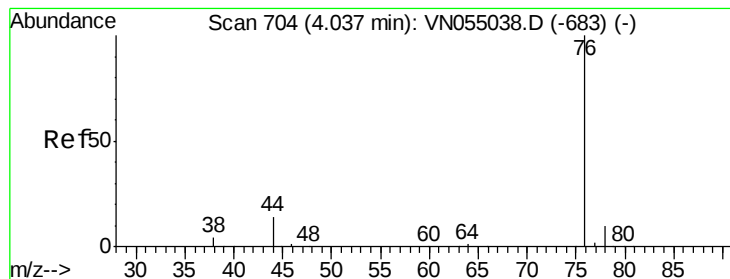
Tot Ion: 53 Resp: 184963
 Ion Ratio Lower Upper
 53 100
 52 81.6 65.9 98.9
 51 36.5 29.7 44.5



#16
 Acetone
 Concen: 115.703 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

Tgt Ion: 43 Resp: 168451
 Ion Ratio Lower Upper
 43 100
 58 30.6 20.9 31.3





#17

Carbon Disulfide

Concen: 16.336 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.02 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

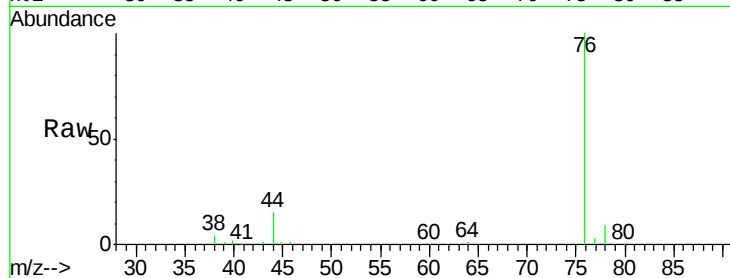
ClientSampled :

Tot Ion: 76 Resp: 168903

Ion Ratio Lower Upper

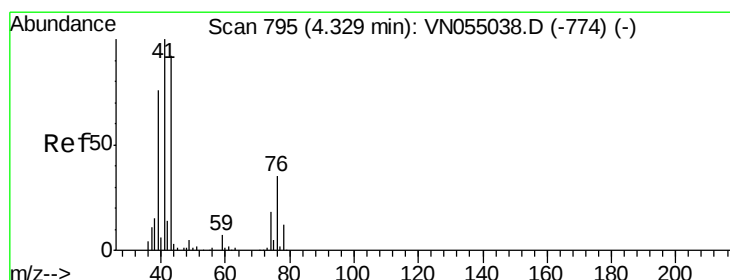
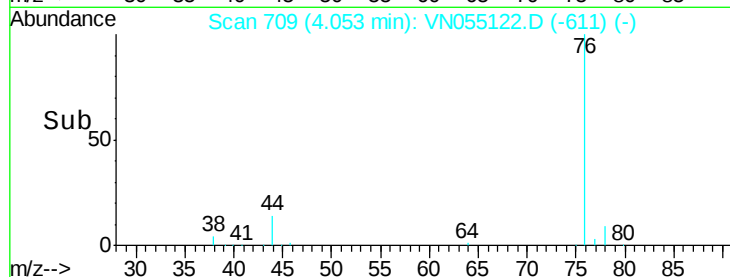
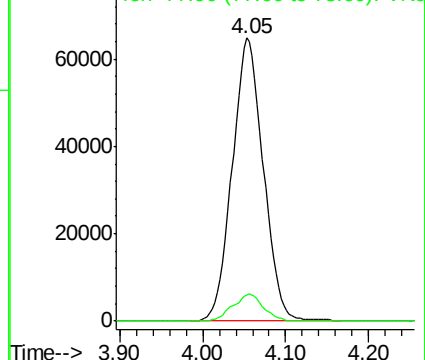
76 100

78 9.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.346 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055122.D

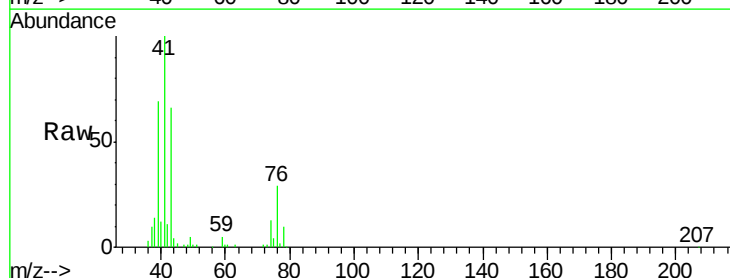
Acq: 18 Apr 2019 15:45

Tgt Ion: 43 Resp: 90622

Ion Ratio Lower Upper

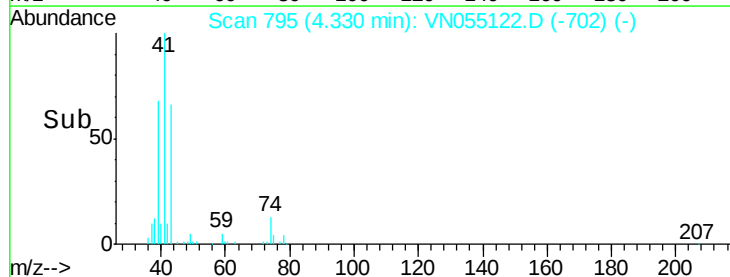
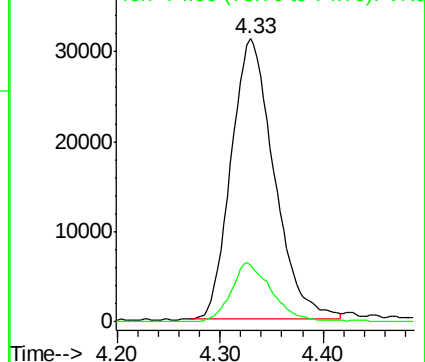
43 100

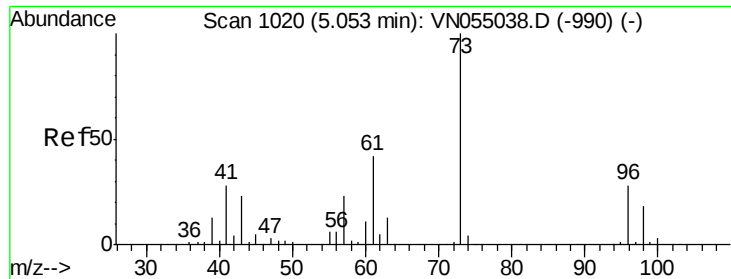
74 19.8 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

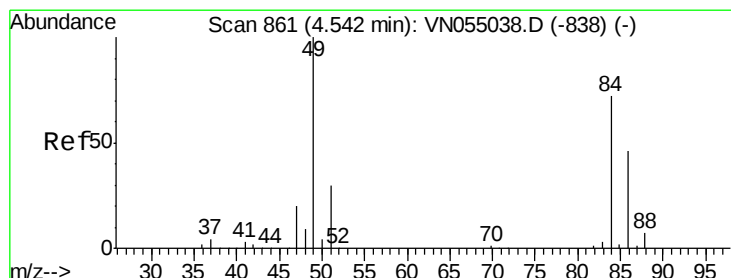
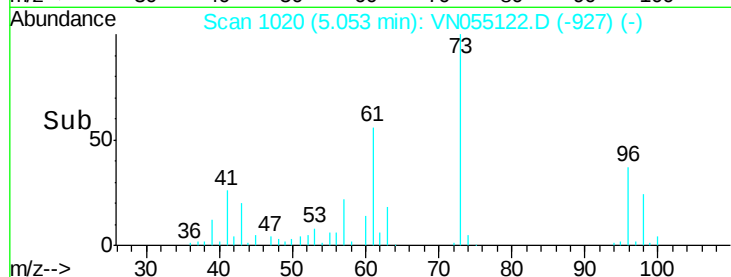
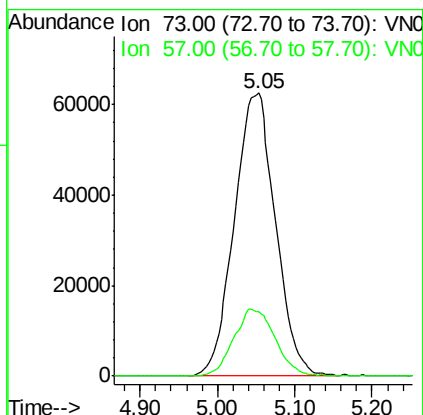
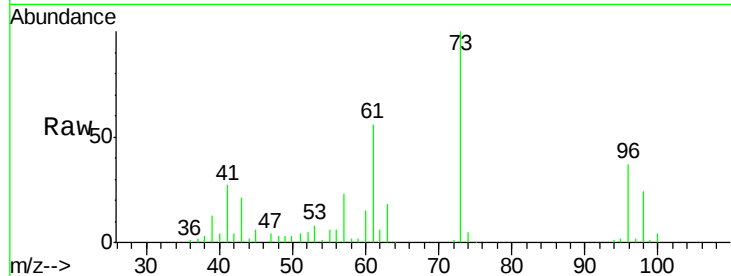




#19
Methyl tert-butyl Ether
Concen: 20.203 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

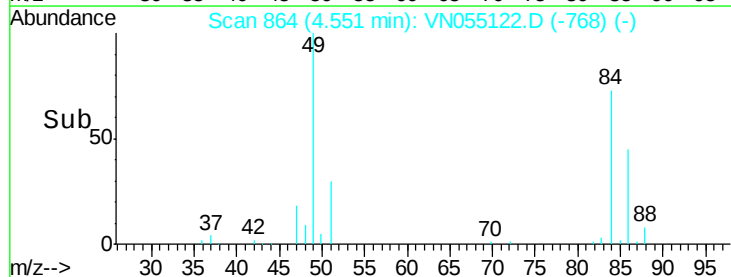
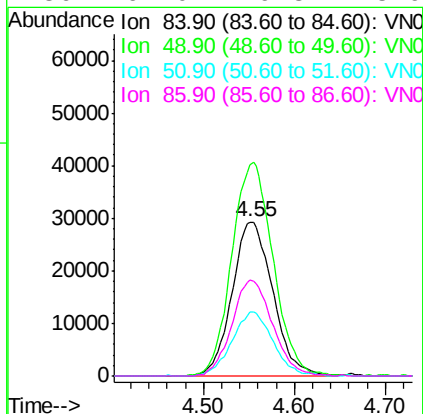
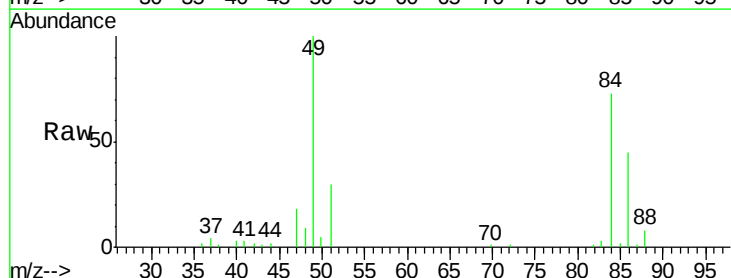
Instrument :
MSVOA_N
ClientSampleId :

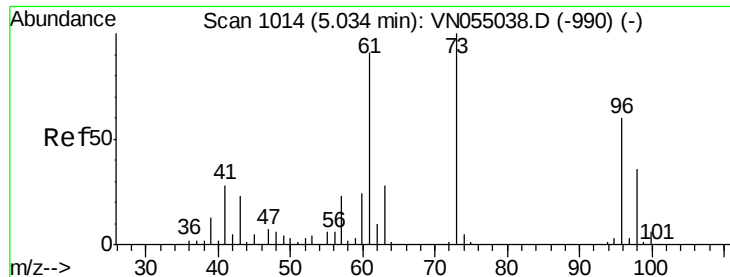
Tot Ion: 73 Resp: 231475
Ion Ratio Lower Upper
73 100
57 22.6 19.0 28.4



#20
Methylene Chloride
Concen: 17.784 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Tgt Ion: 84 Resp: 91017
Ion Ratio Lower Upper
84 100
49 136.5 109.4 164.2
51 41.2 32.2 48.4
86 62.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 18.007 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :
MSVOA_N
ClientSampled :

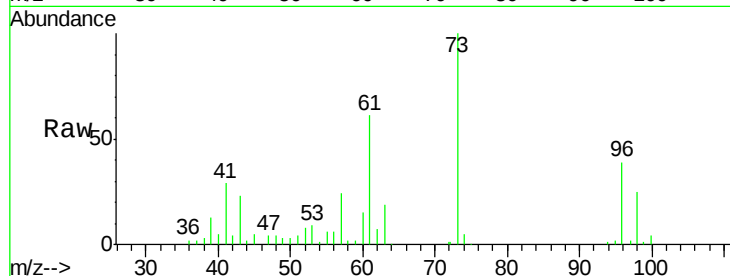
Tot Ion: 96 Resp: 78003

Ion Ratio Lower Upper

96 100

61 154.3 114.9 172.3

98 63.6 48.4 72.6

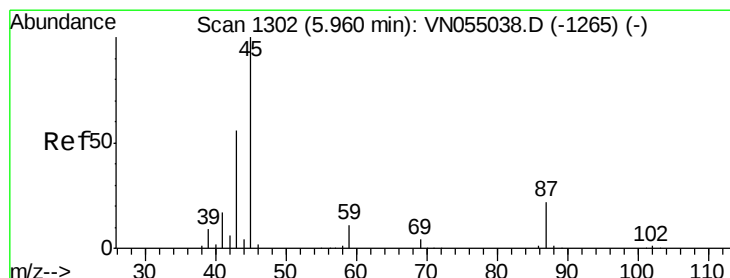
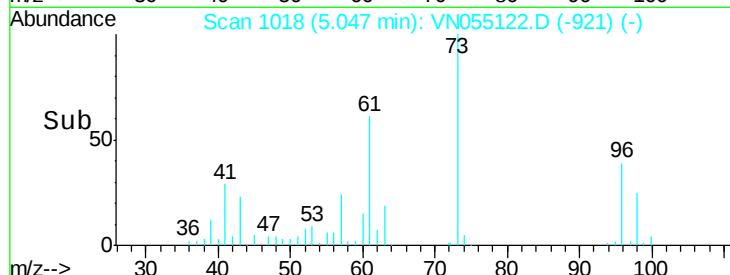
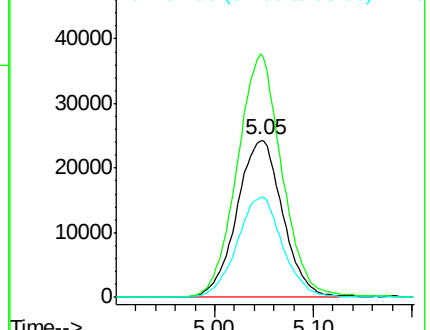


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.673 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.01 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Tgt Ion: 45 Resp: 317062

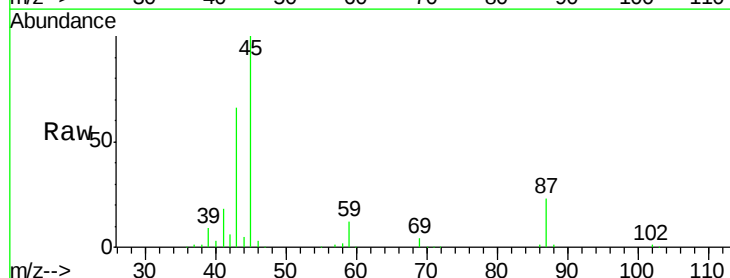
Ion Ratio Lower Upper

45 100

43 64.0 44.8 67.2

87 22.9 18.9 28.3

59 11.9 7.9 11.9#



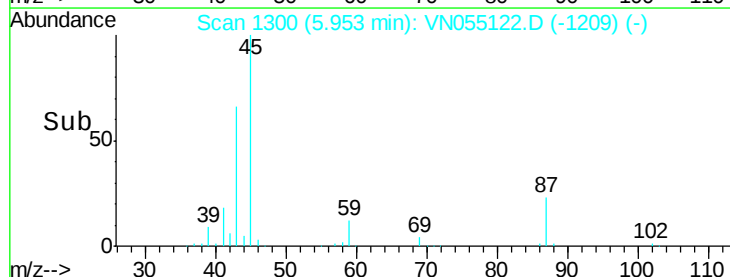
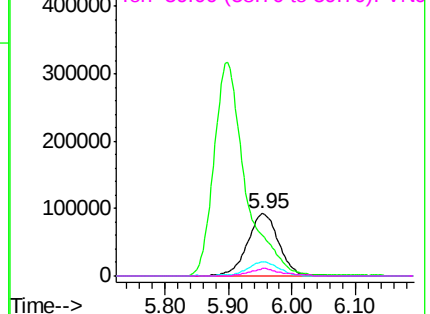
Abundance

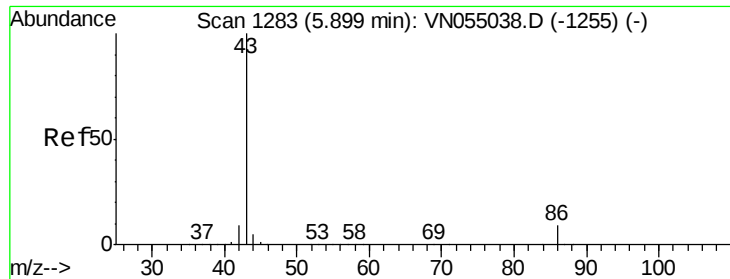
Ion 45.00 (44.70 to 45.70): VN0

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: 102.402 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

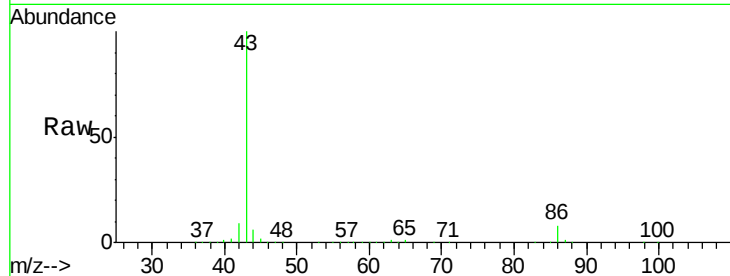
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1090885

Ion Ratio Lower Upper

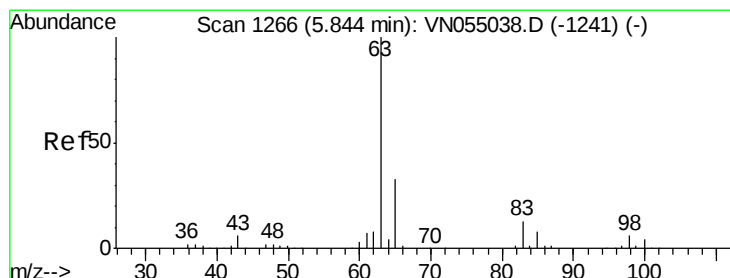
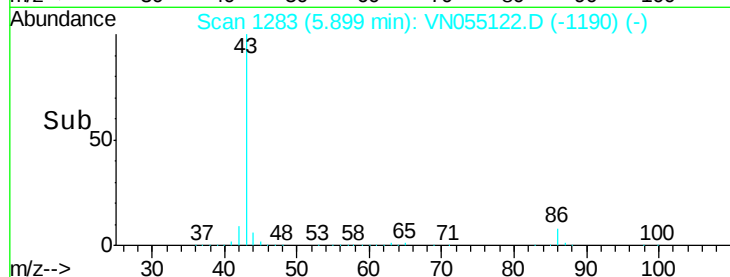
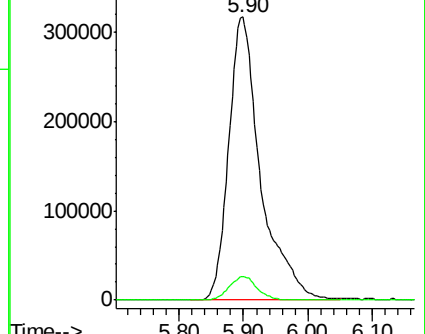
43 100

86 8.3 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.006 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

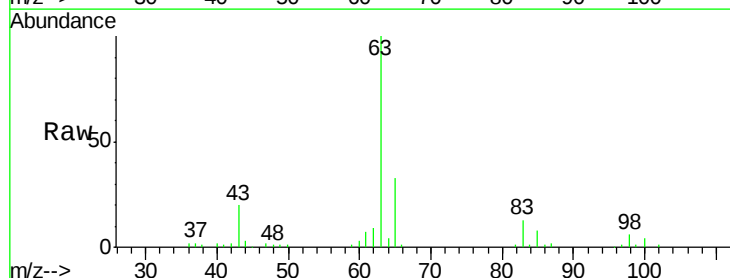
Tgt Ion: 63 Resp: 163118

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

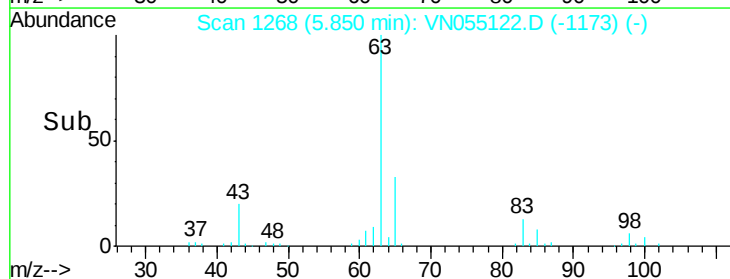
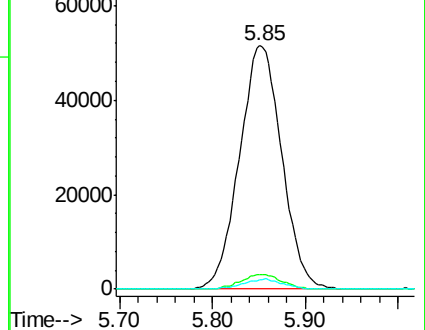
100 3.7 2.0 5.8

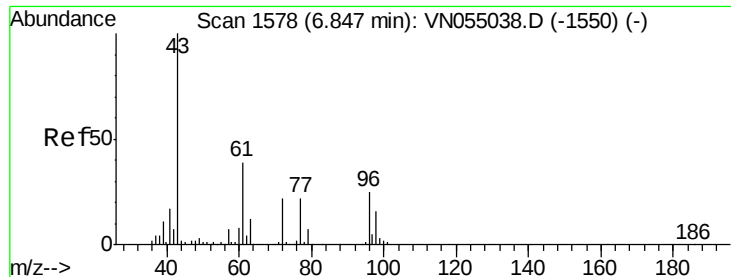


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

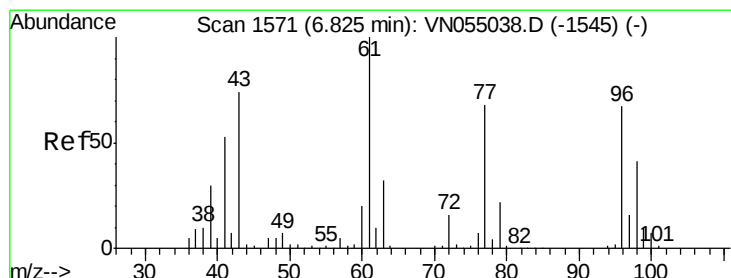
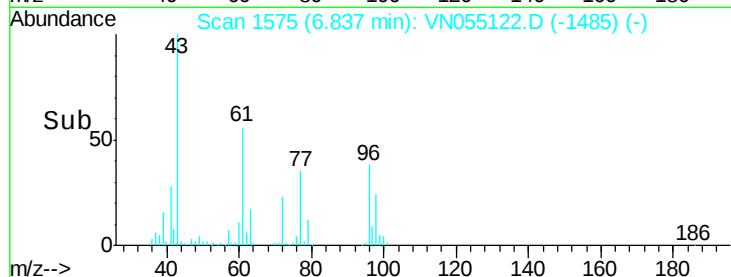
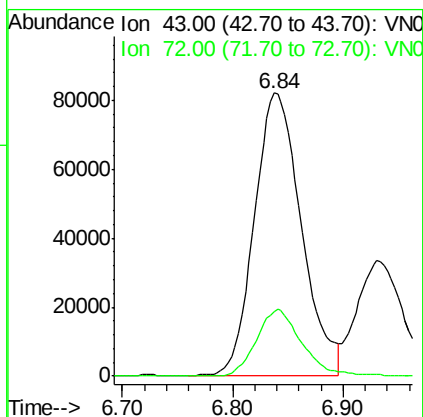
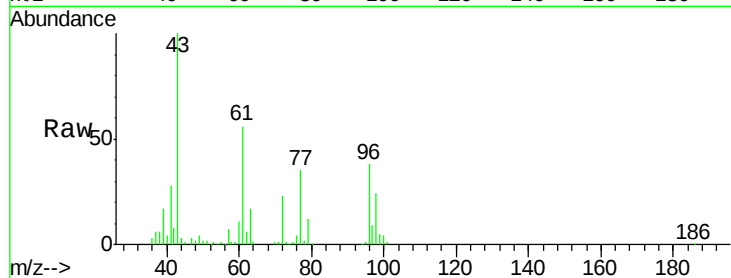




#25
2-Butanone
Concen: 111.362 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

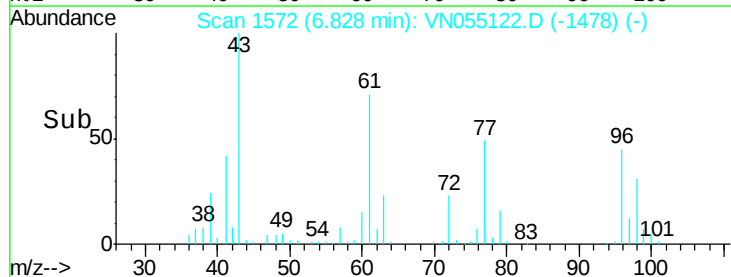
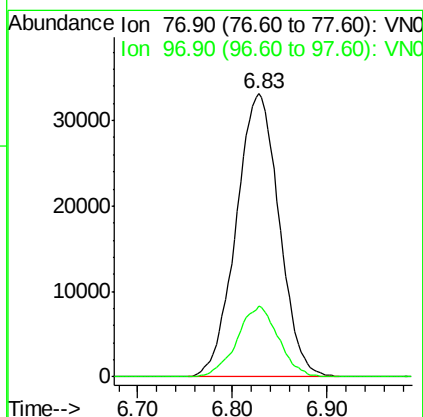
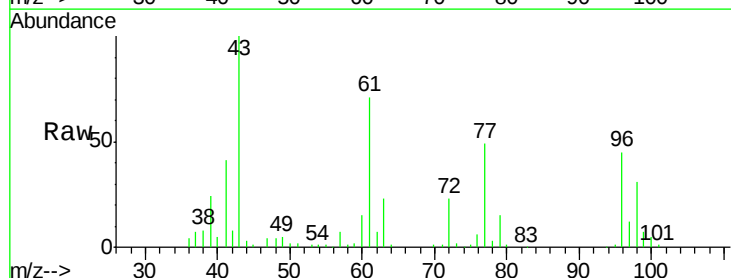
Instrument :
MSVOA_N
ClientSampled :

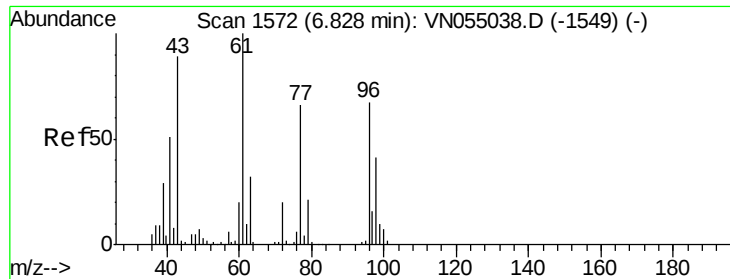
Tot Ion: 43 Resp: 241980
Ion Ratio Lower Upper
43 100
72 22.8 18.1 27.1



#26
2,2-Dichloropropane
Concen: 19.297 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Tgt Ion: 77 Resp: 104531
Ion Ratio Lower Upper
77 100
97 24.0 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 19.282 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :
MSVOA_N
ClientSampleId :

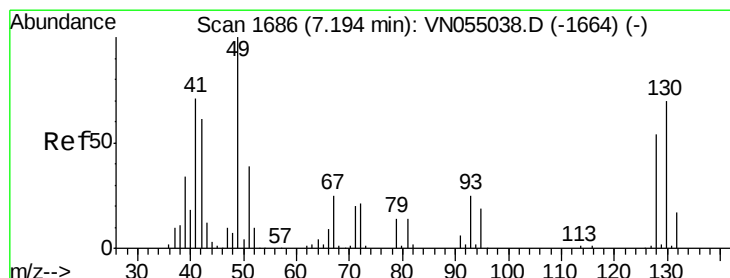
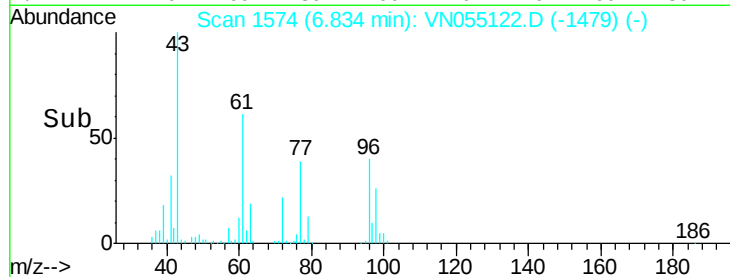
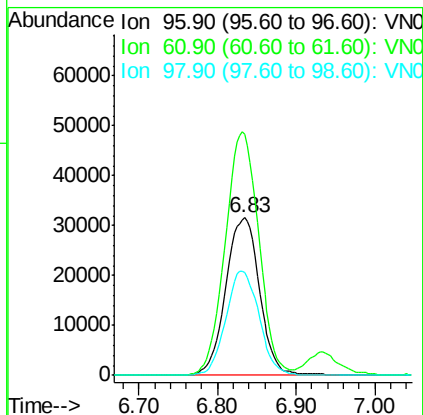
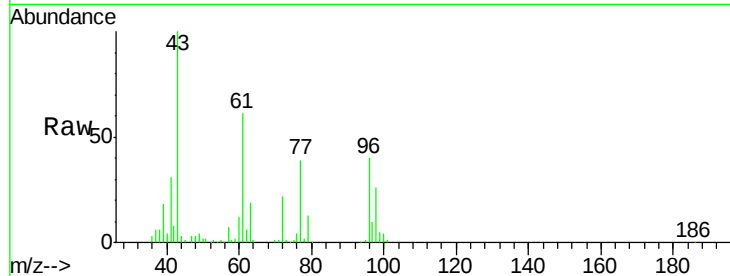
Tot Ion: 96 Resp: 94501

Ion Ratio Lower Upper

96 100

61 152.7 0.0 311.0

98 64.5 0.0 127.4



#28

Bromochloromethane

Concen: 19.854 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

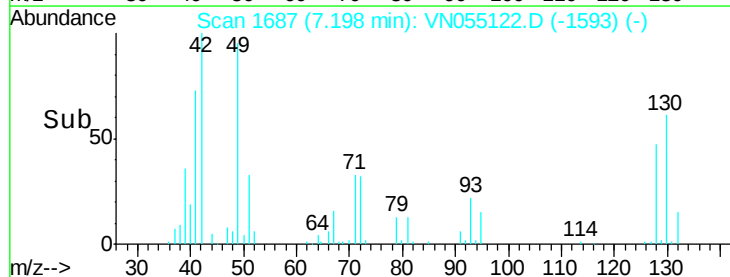
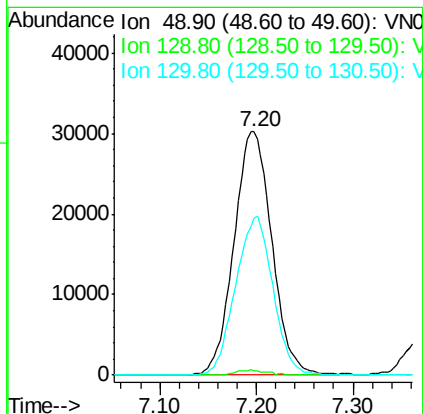
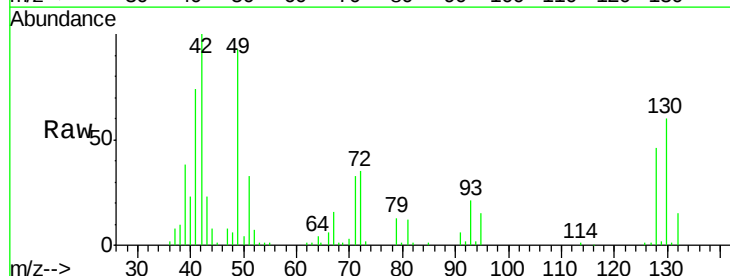
Tgt Ion: 49 Resp: 82141

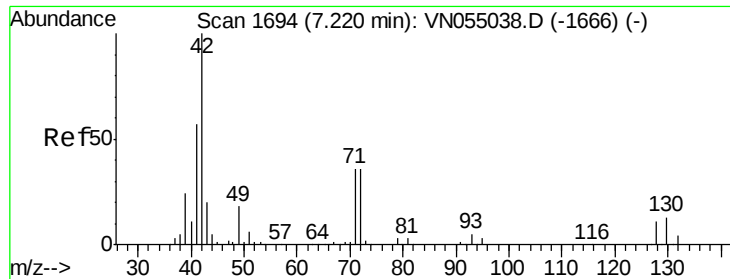
Ion Ratio Lower Upper

49 100

129 1.5 0.0 2.0

130 64.1 53.4 80.2

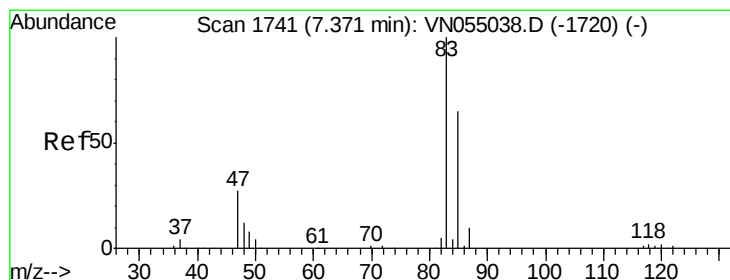
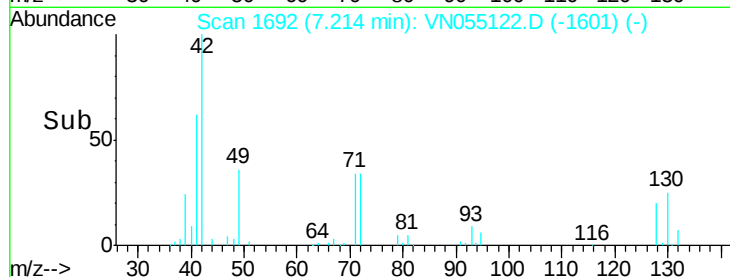
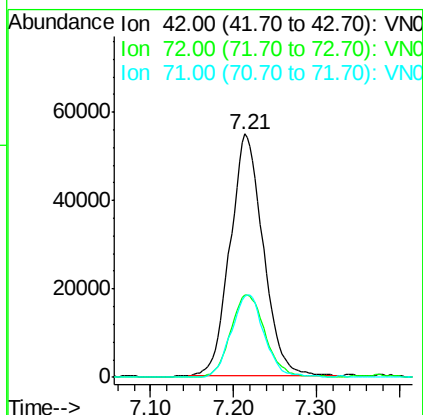
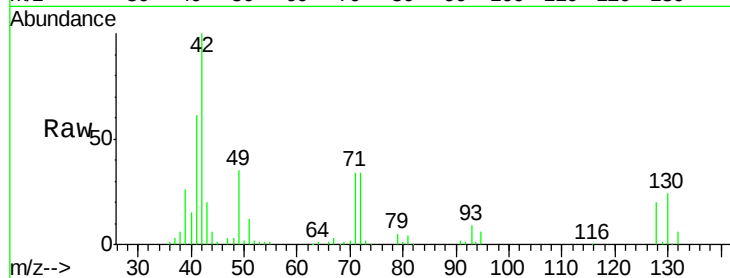




#29
Tetrahydrofuran
Concen: 106.768 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.01 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

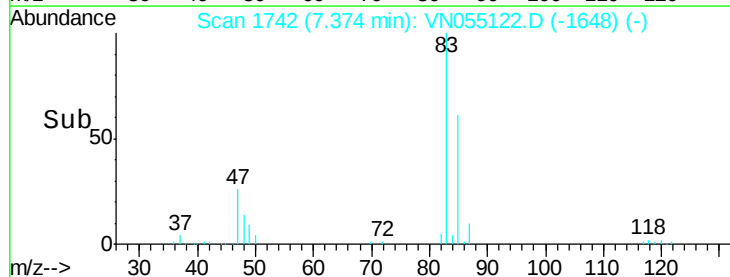
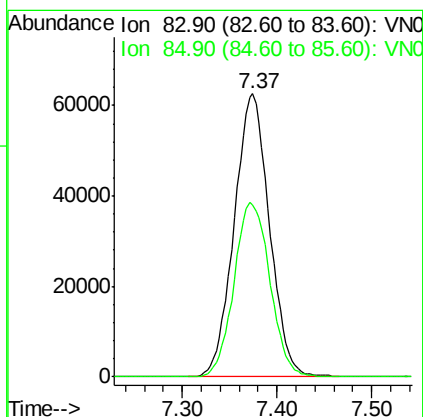
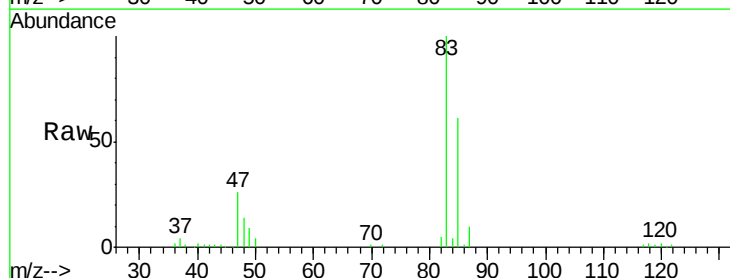
Instrument :
MSVOA_N
ClientSampled :

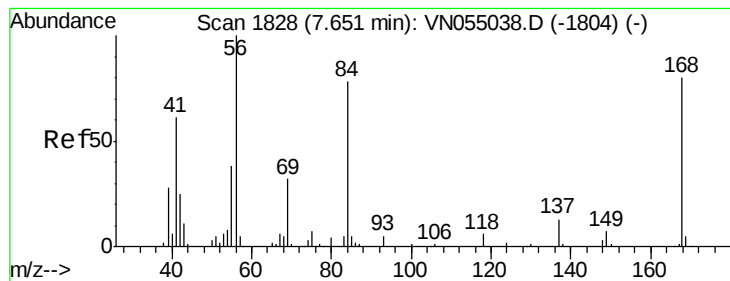
Tot Ion: 42 Resp: 152136
Ion Ratio Lower Upper
42 100
72 35.6 29.4 44.0
71 34.0 27.8 41.6



#30
Chloroform
Concen: 19.435 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Tgt Ion: 83 Resp: 162019
Ion Ratio Lower Upper
83 100
85 61.0 51.8 77.6





#31

Cyclohexane

Concen: 18.420 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :
MSVOA_N
ClientSampled :

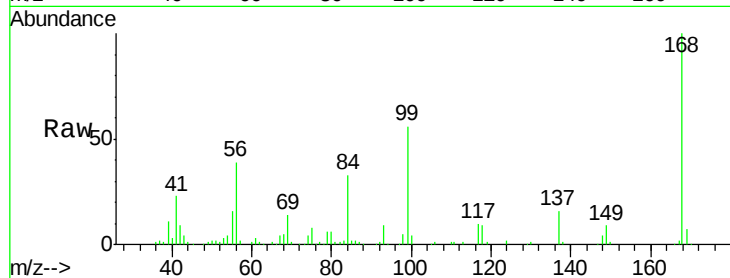
Tot Ion: 56 Resp: 145761

Ion Ratio Lower Upper

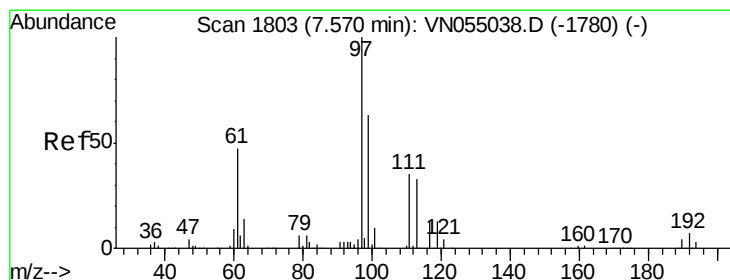
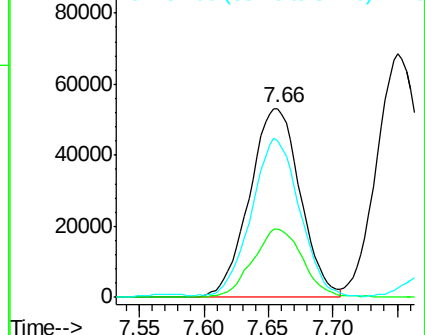
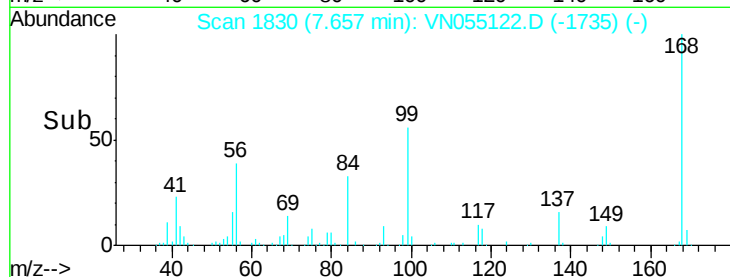
56 100

69 36.5 24.5 36.7

84 82.1 62.9 94.3



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



#32

1,1,1-Trichloroethane

Concen: 19.111 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

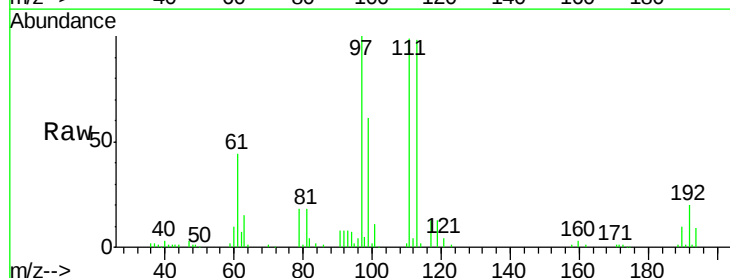
Tgt Ion: 97 Resp: 126229

Ion Ratio Lower Upper

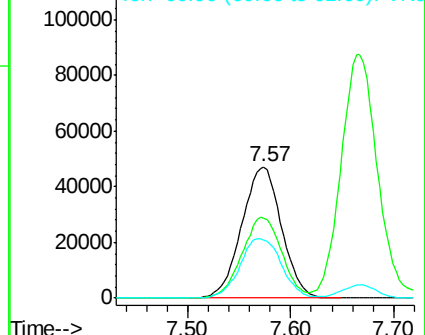
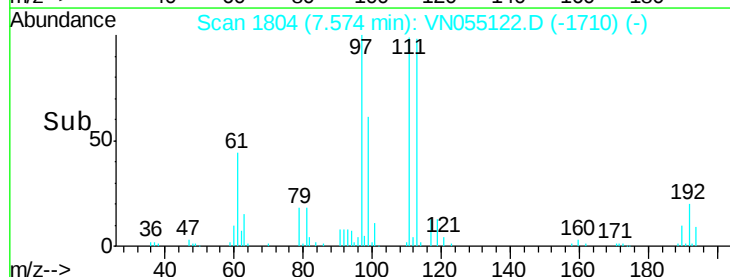
97 100

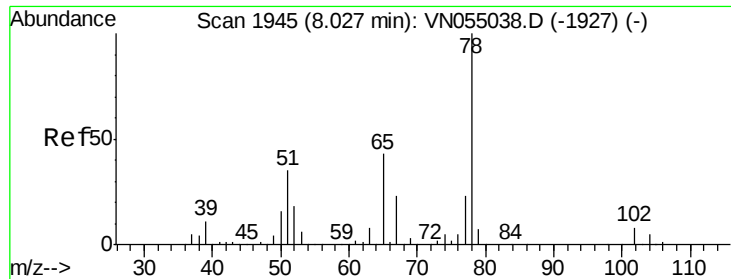
99 61.9 51.6 77.4

61 47.3 38.3 57.5



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

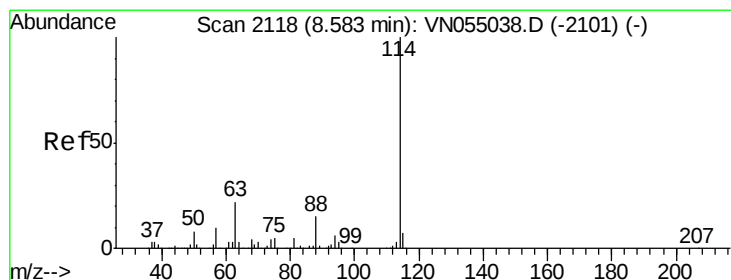
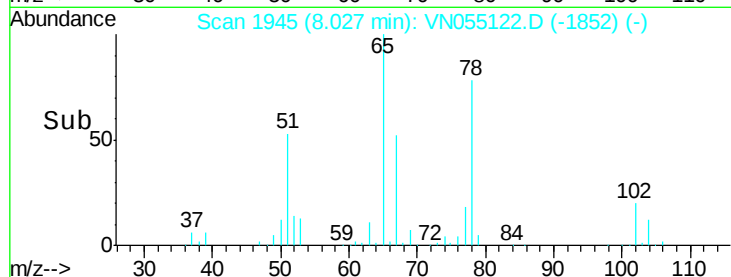
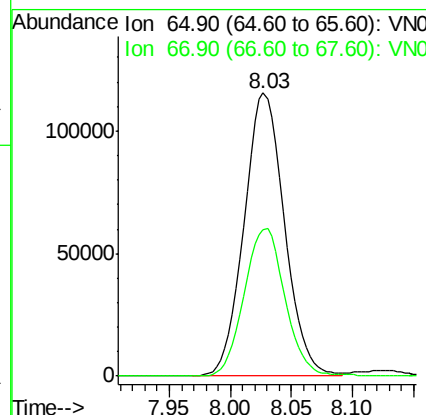
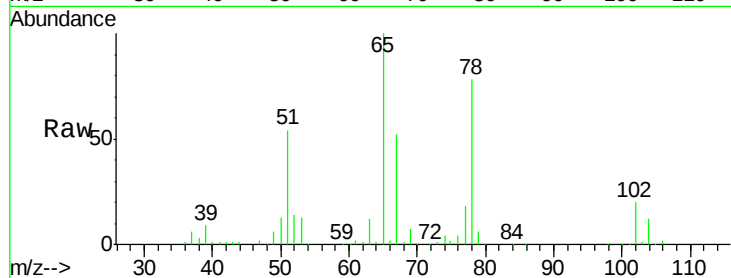




#33
 1,2-Dichloroethane-d4
 Concen: 49.404 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

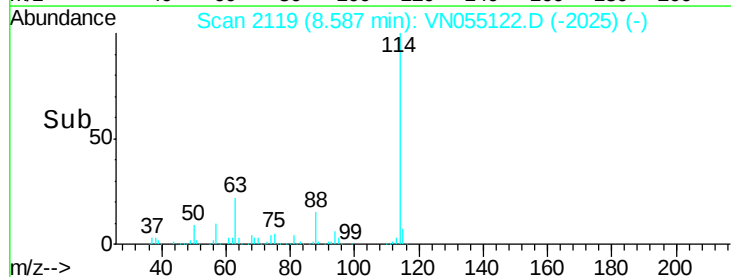
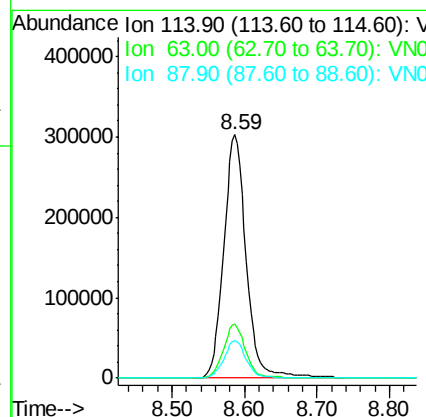
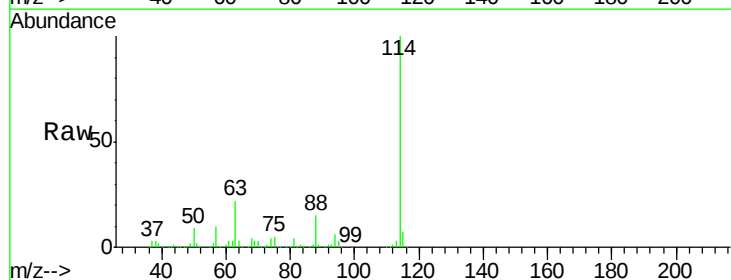
Instrument :
 MSVOA_N
 ClientSampled :

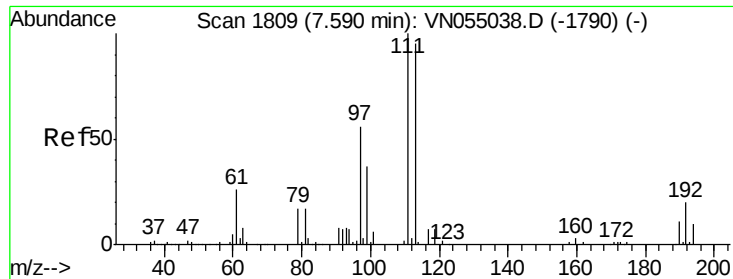
Tot Ion: 65 Resp: 265005
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

Tgt Ion: 114 Resp: 649595
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 45.2
 88 15.4 0.0 31.8

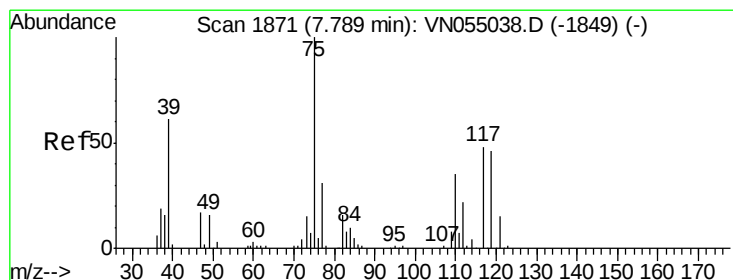
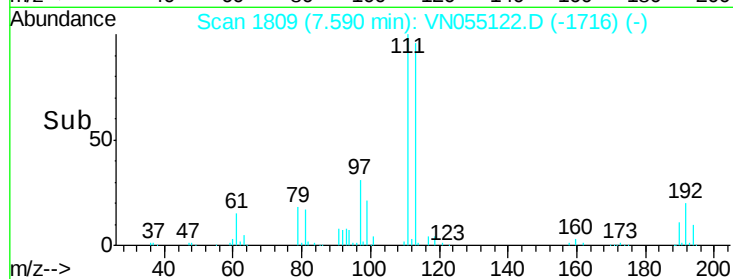
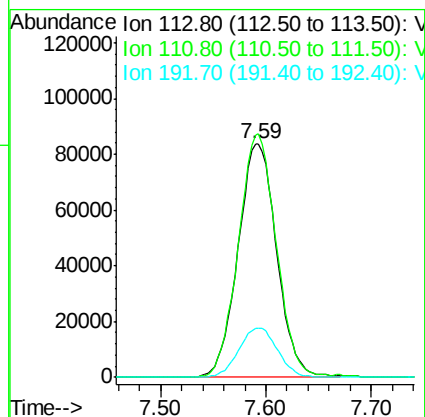
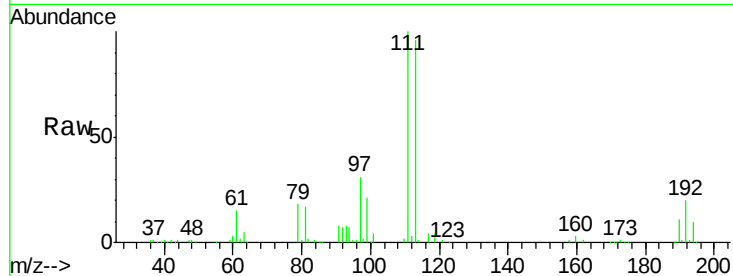




#35
 Dibromofluoromethane
 Concen: 49.172 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

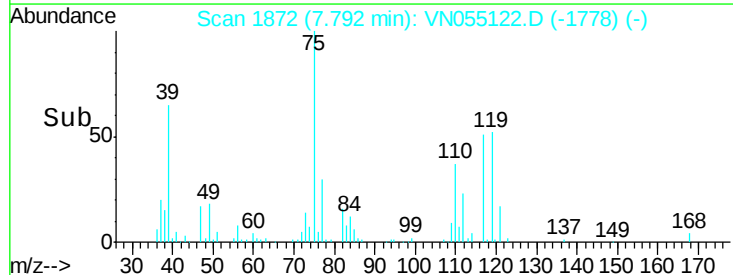
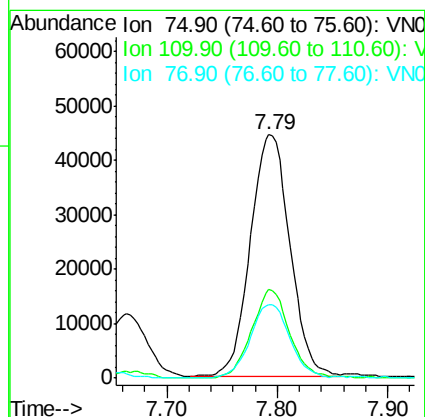
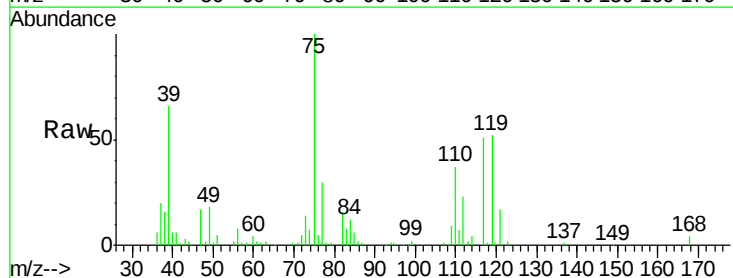
Instrument :
 MSVOA_N
 ClientSampled :

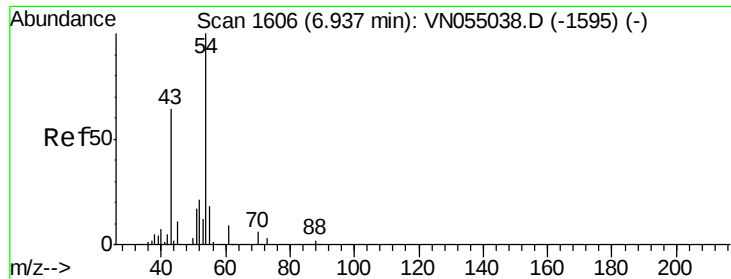
Tot Ion:113 Resp: 213472
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.1 123.1
 192 21.1 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 17.972 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

Tgt Ion: 75 Resp: 110055
 Ion Ratio Lower Upper
 75 100
 110 35.2 17.5 52.5
 77 30.8 24.9 37.3

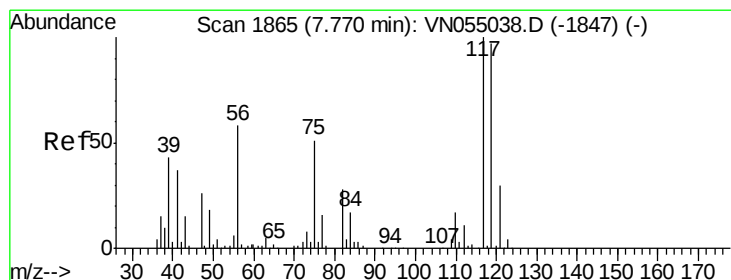
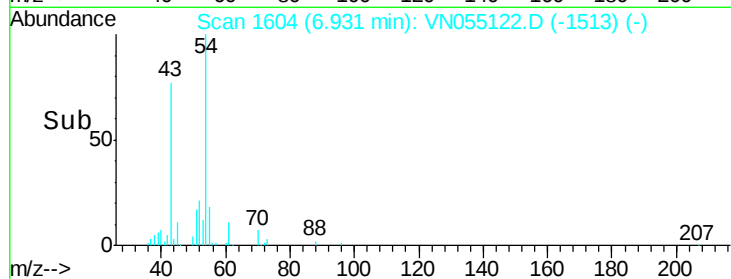
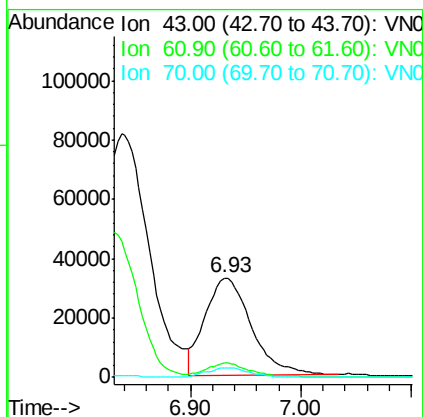
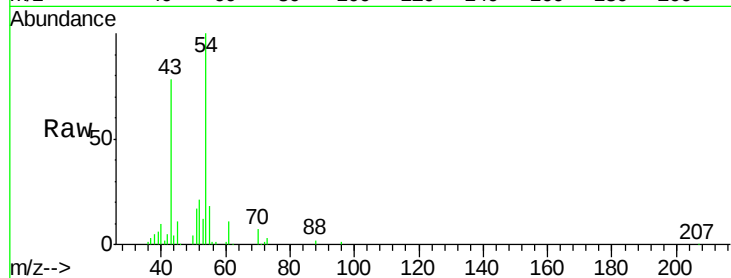




#37
Ethyl Acetate
Concen: 19.131 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

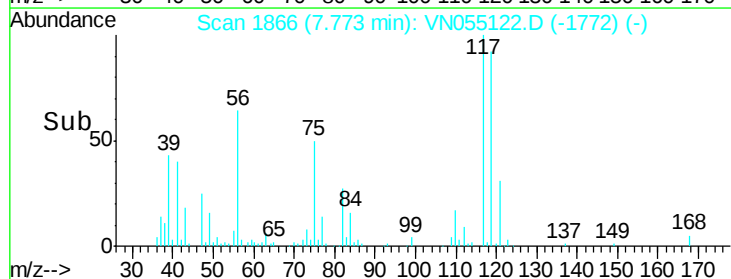
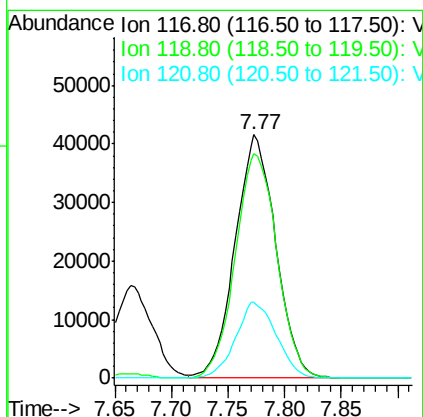
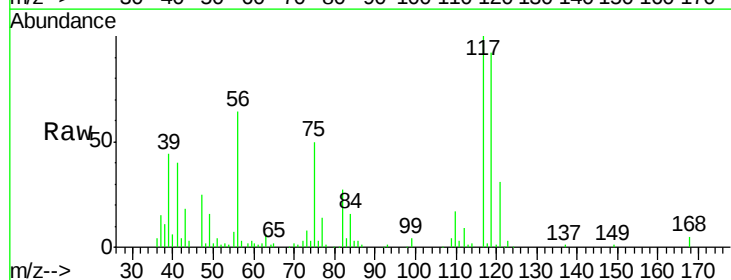
Instrument :
MSVOA_N
ClientSampled :

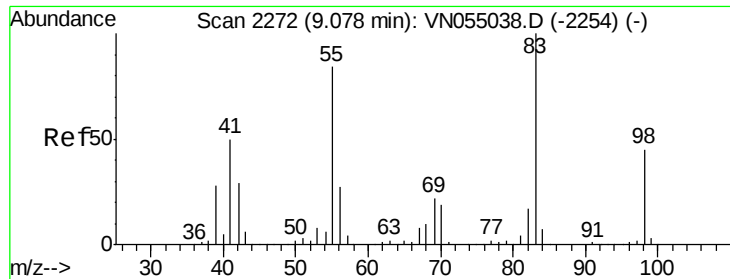
Tot Ion: 43 Resp: 95375
Ion Ratio Lower Upper
43 100
61 14.3 10.0 15.0
70 9.1 7.1 10.7



#38
Carbon Tetrachloride
Concen: 17.868 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Tgt Ion: 117 Resp: 104101
Ion Ratio Lower Upper
117 100
119 92.4 76.3 114.5
121 31.4 23.9 35.9

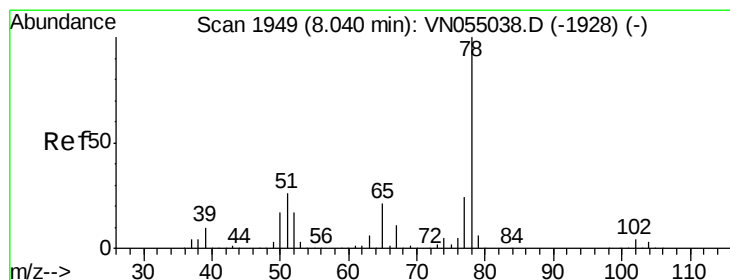
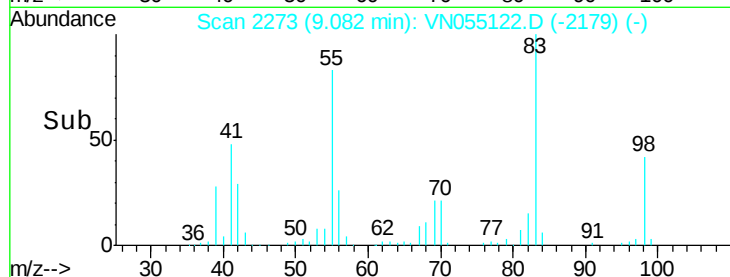
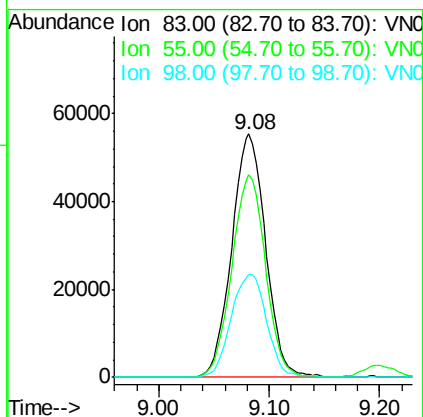
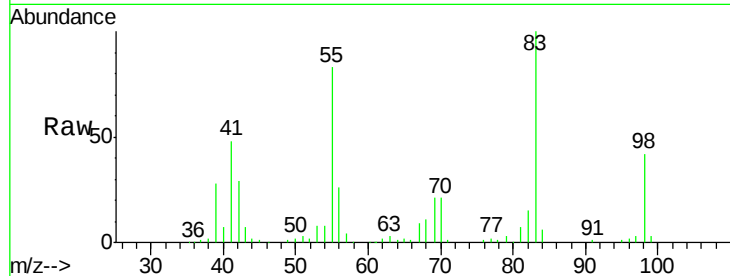




#39
Methvlcvclohexane
Concen: 17.753 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

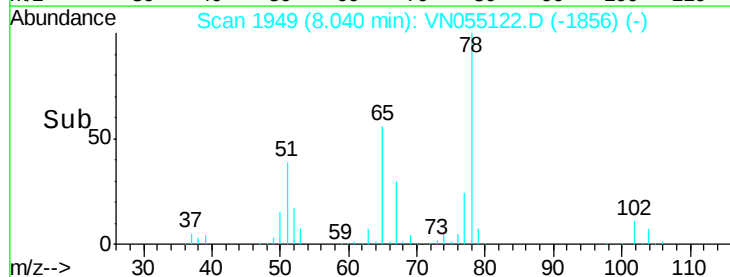
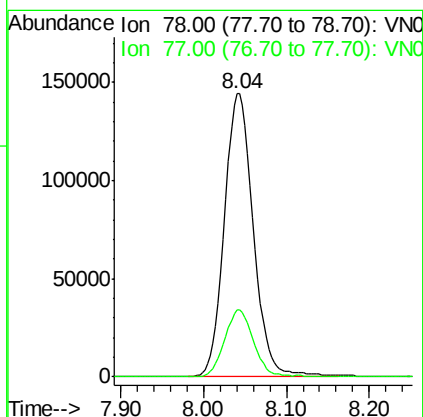
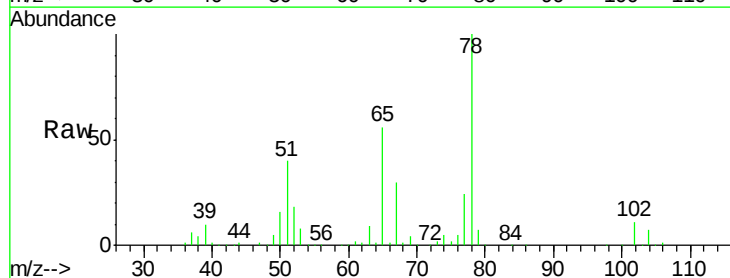
Instrument :
MSVOA_N
ClientSampleId :

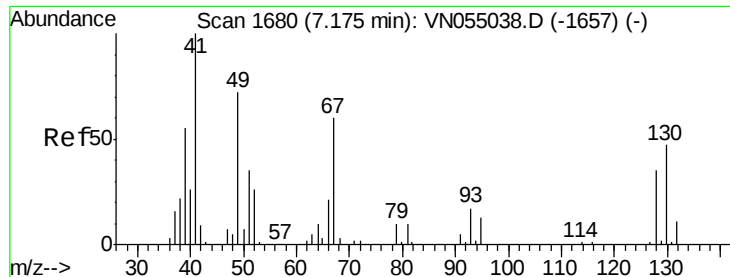
Tot Ion: 83 Resp: 117807
Ion Ratio Lower Upper
83 100
55 83.3 67.0 100.4
98 42.1 35.6 53.4



#40
Benzene
Concen: 19.025 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Tgt Ion: 78 Resp: 351117
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

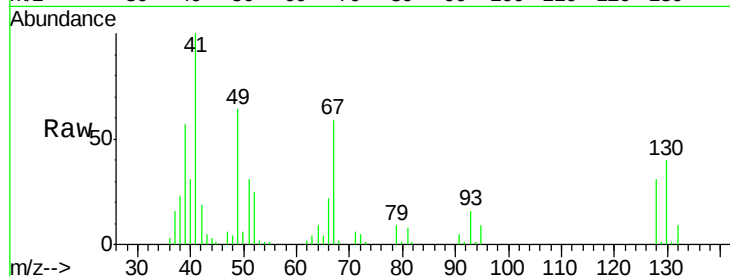




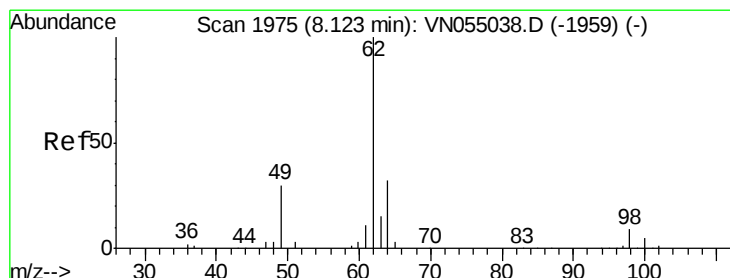
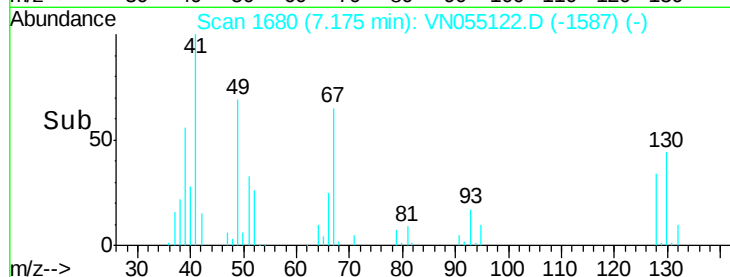
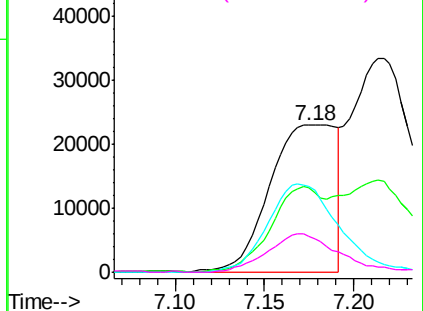
#41
Methacrylonitrile
Concen: 21.592 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 59752
Ion Ratio Lower Upper
41 100
39 46.5 45.6 68.4
67 64.1 57.0 85.6
52 28.4 23.6 35.4

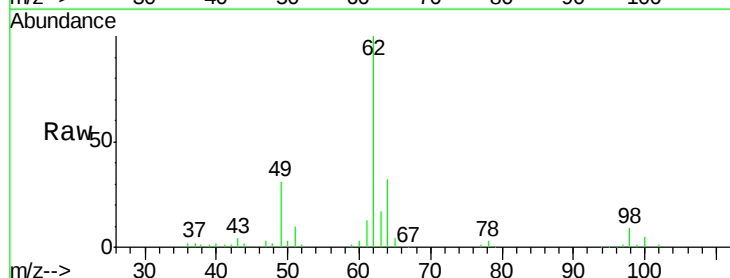


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

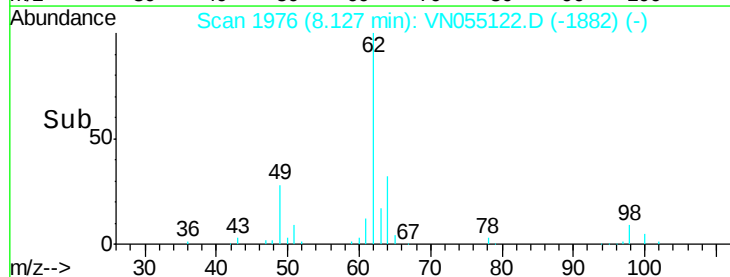
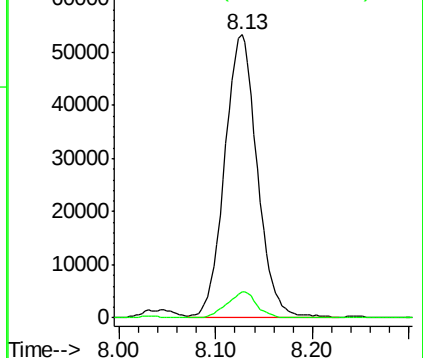


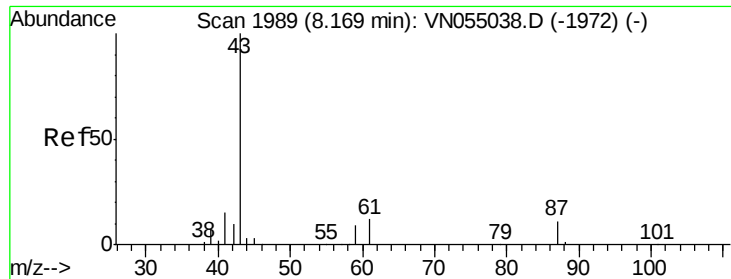
#42
1,2-Dichloroethane
Concen: 19.487 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Tgt Ion: 62 Resp: 124871
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 20.637 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

ClientSampleId :

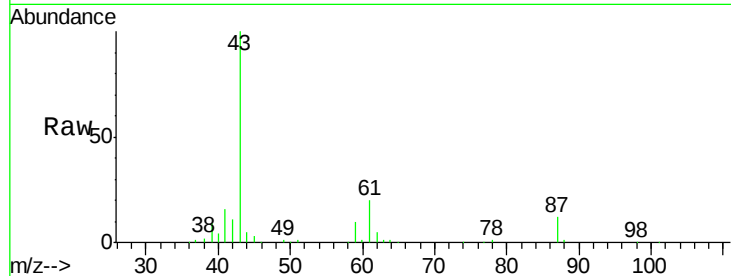
Tot Ion: 43 Resp: 158531

Ion Ratio Lower Upper

43 100

61 19.2 14.3 21.5

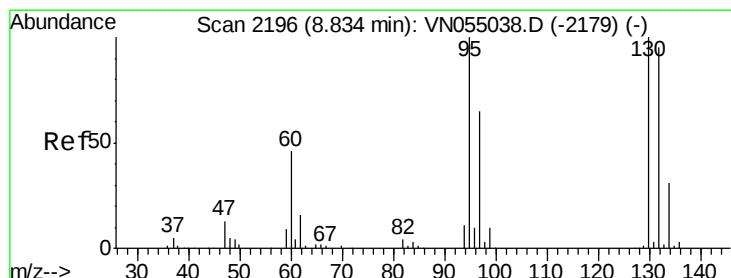
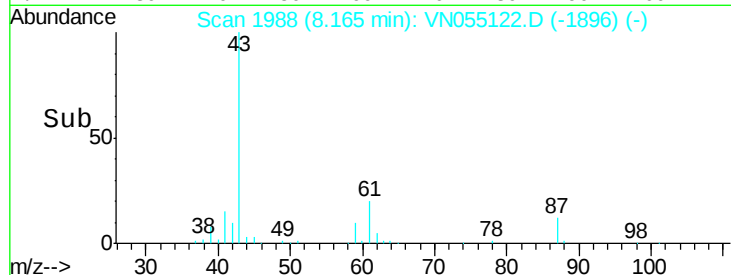
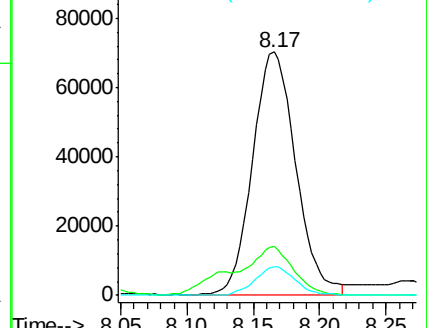
87 11.1 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055122.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN055122.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN055122.D (-2103) (-)



#44

Trichloroethene

Concen: 18.726 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055122.D

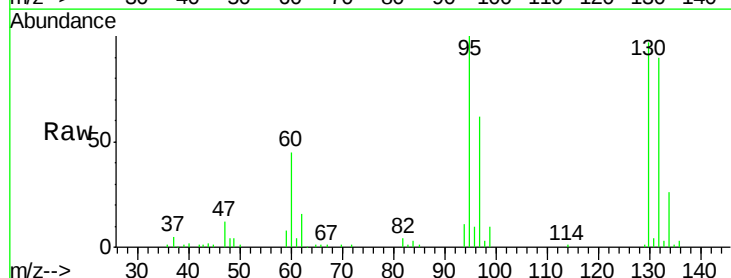
Acq: 18 Apr 2019 15:45

Tgt Ion:130 Resp: 86564

Ion Ratio Lower Upper

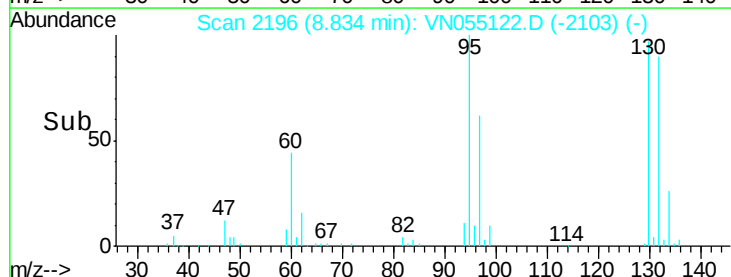
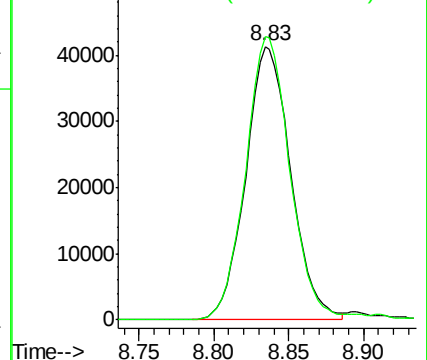
130 100

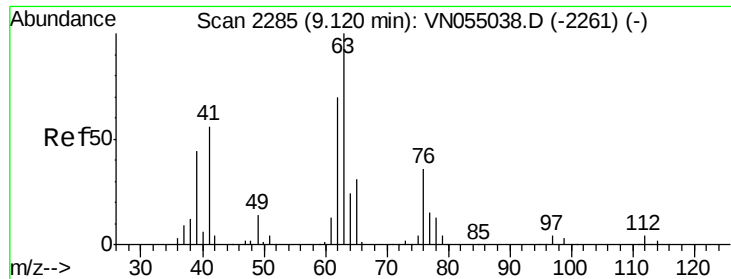
95 103.6 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055122.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055122.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 19.360 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

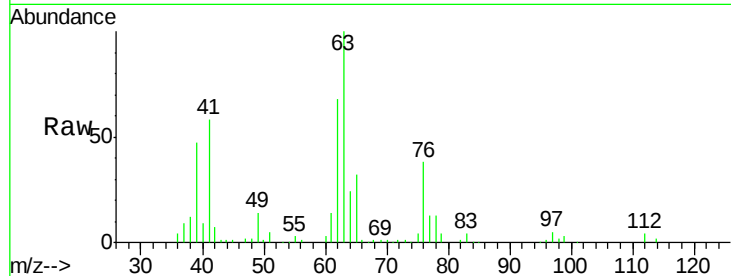
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 99645

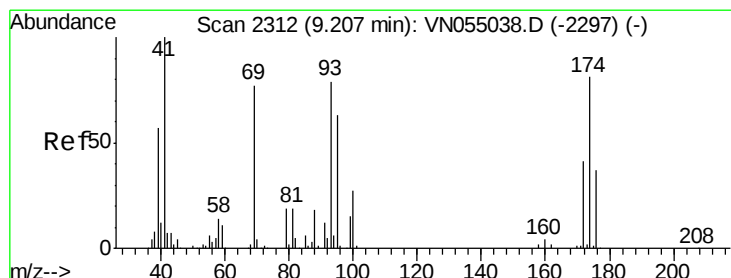
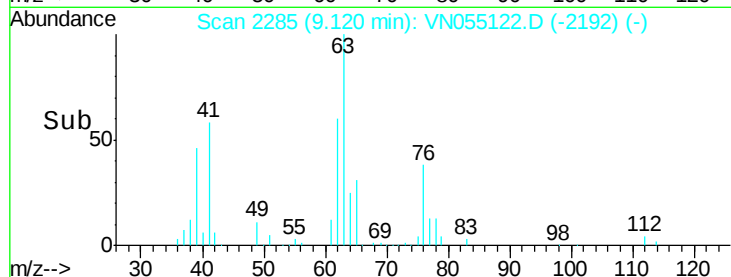
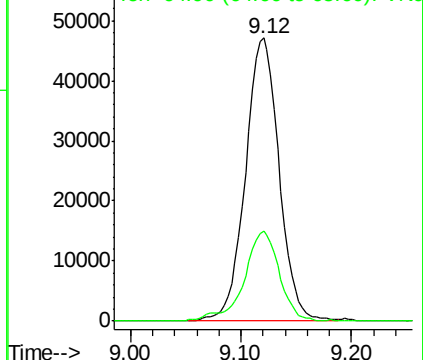
Ion Ratio Lower Upper

63 100

65 31.3 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 19.107 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

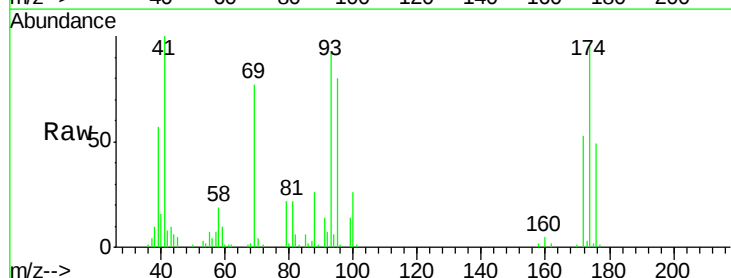
Tgt Ion: 93 Resp: 55978

Ion Ratio Lower Upper

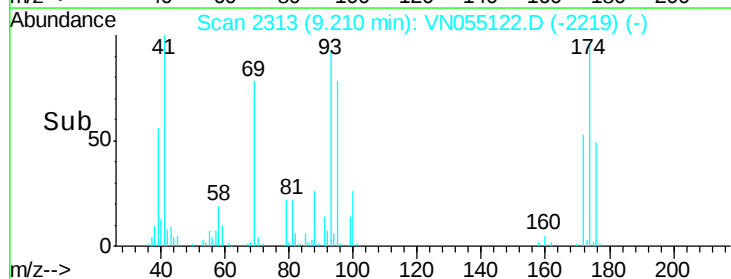
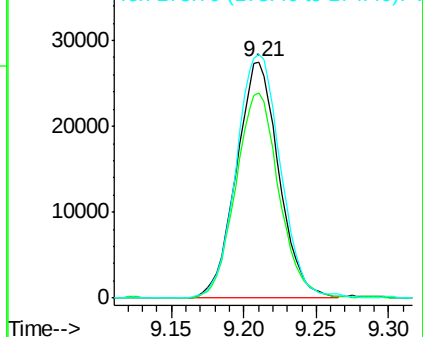
93 100

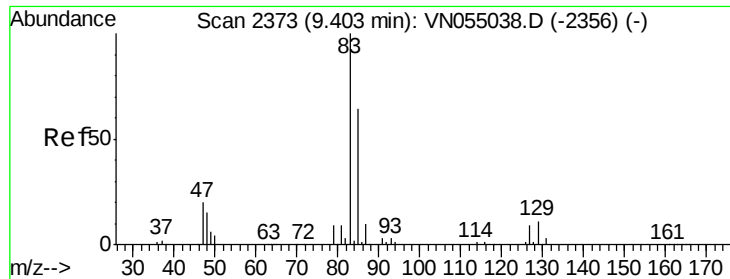
95 88.2 65.0 97.6

174 107.4 81.0 121.6



Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.524 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

ClientSampleId :

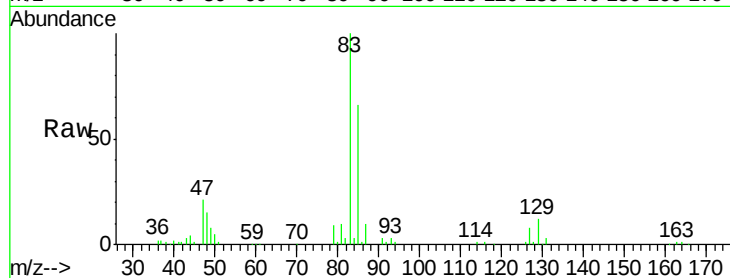
Tot Ion: 83 Resp: 117930

Ion Ratio Lower Upper

83 100

85 66.2 51.2 76.8

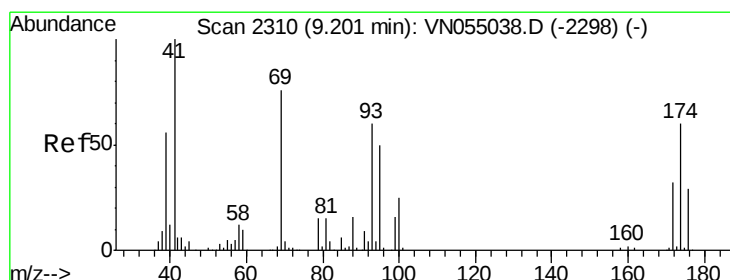
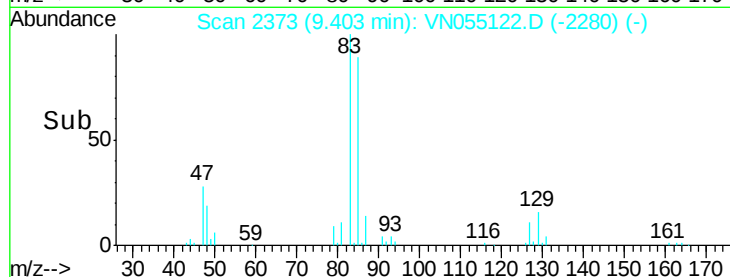
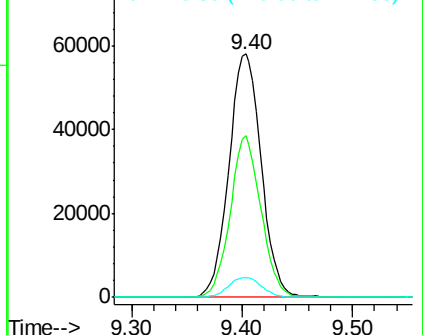
127 8.3 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN055122.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055122.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055122.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.331 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

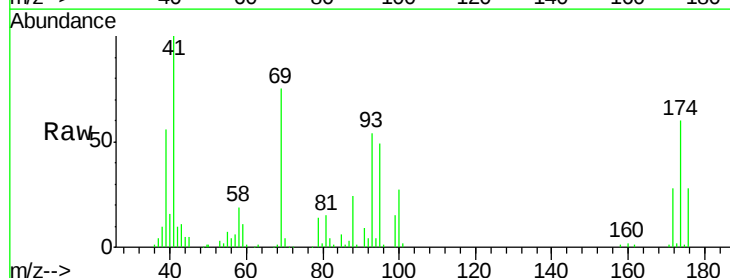
Tgt Ion: 41 Resp: 77411

Ion Ratio Lower Upper

41 100

69 77.0 60.5 90.7

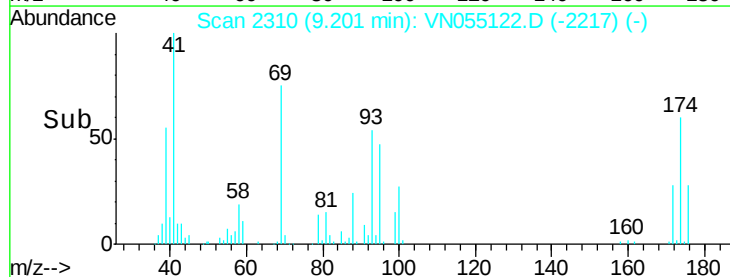
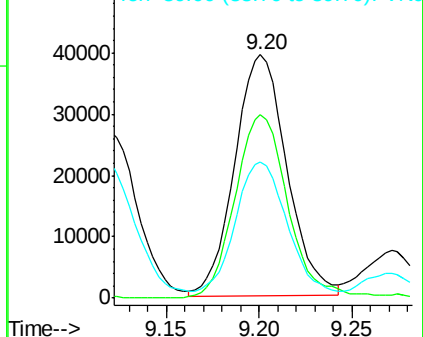
39 56.4 43.9 65.9

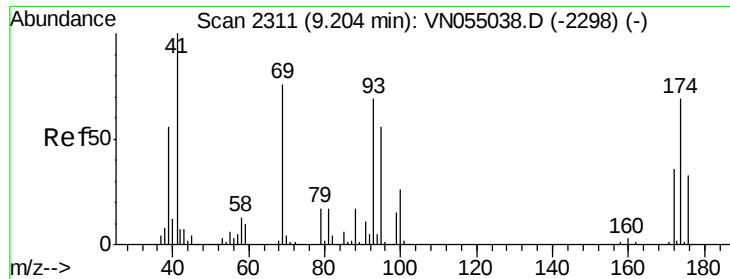


Abundance Ion 41.00 (40.70 to 41.70): VN055122.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055122.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055122.D (-2217) (-)

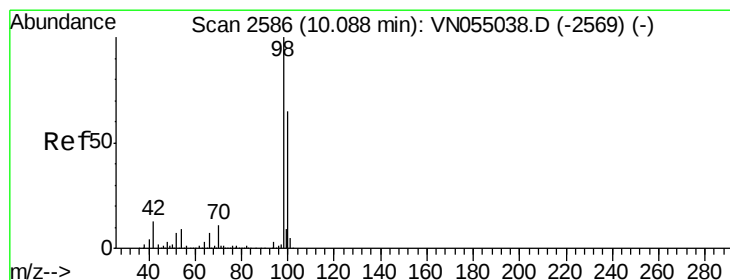
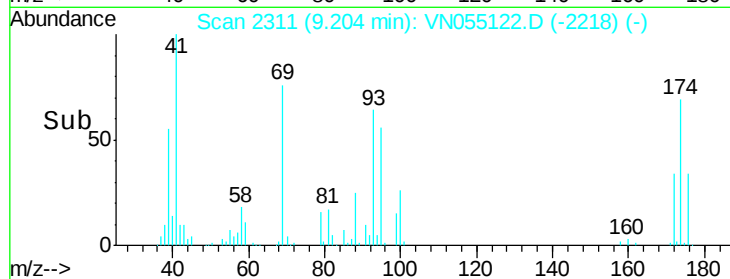
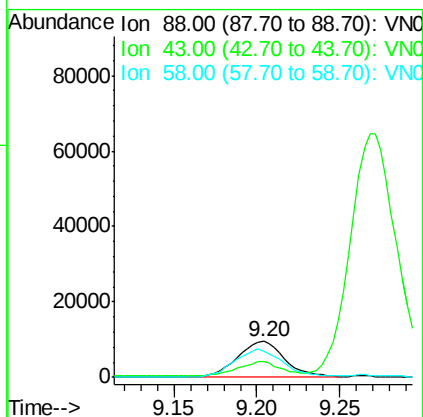
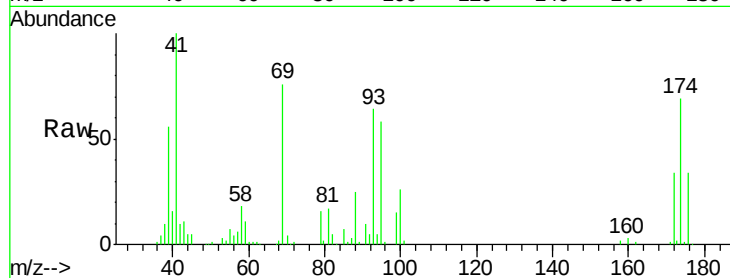




#49
 1,4-Dioxane
 Concen: 537.791 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

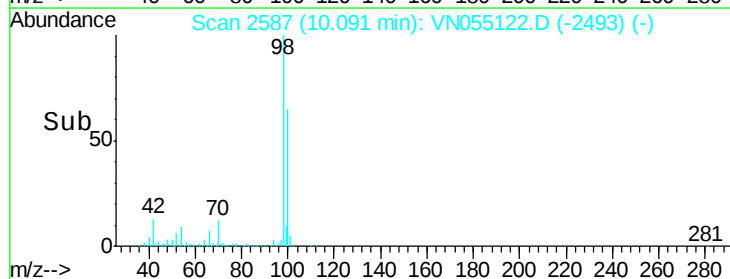
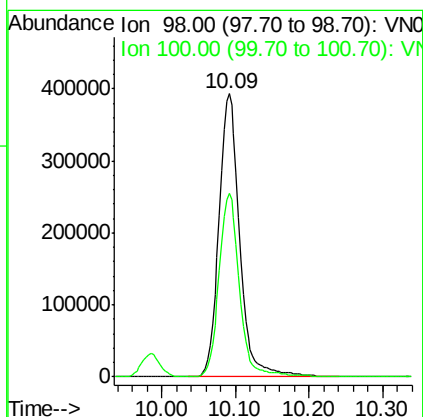
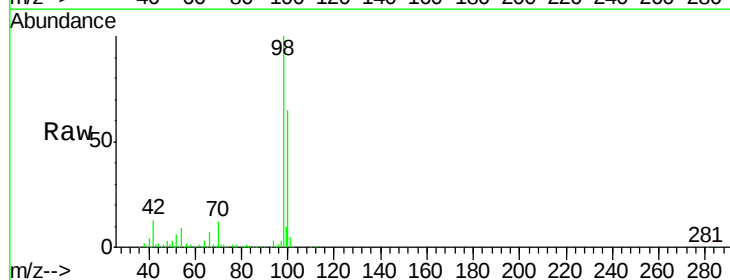
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 19184
 Ion Ratio Lower Upper
 88 100
 43 36.6 31.8 47.8
 58 79.6 61.6 92.4



#50
 Toluene-d8
 Concen: 49.443 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

Tgt Ion: 98 Resp: 768231
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 110.558 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

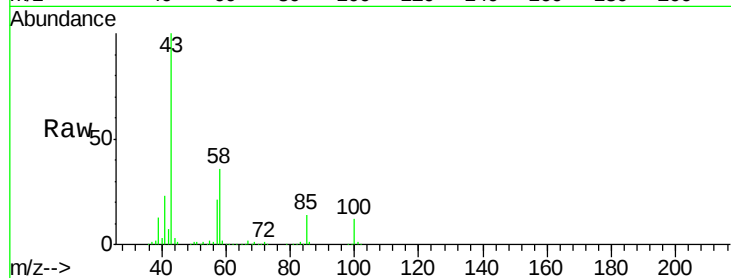
ClientSampleId :

Tot Ion: 43 Resp: 490651

Ion Ratio Lower Upper

43 100

58 35.7 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-2535) (-)

9.99

250000

200000

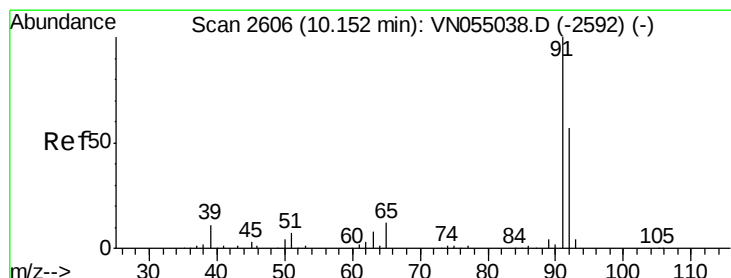
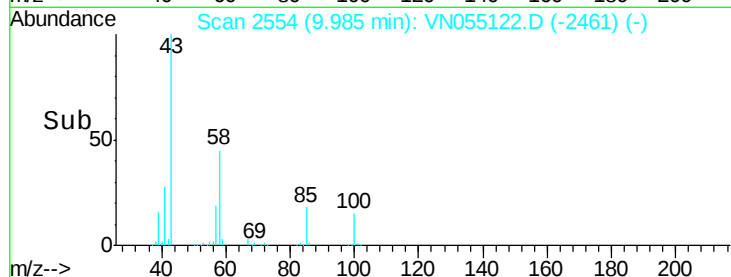
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.560 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055122.D

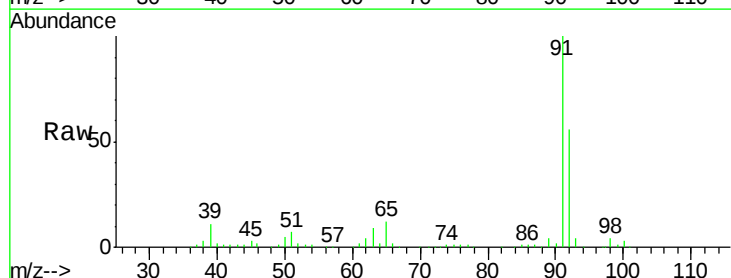
Acq: 18 Apr 2019 15:45

Tgt Ion: 92 Resp: 206753

Ion Ratio Lower Upper

92 100

91 173.1 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN055038.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN055038.D (-2592) (-)

10.16

200000

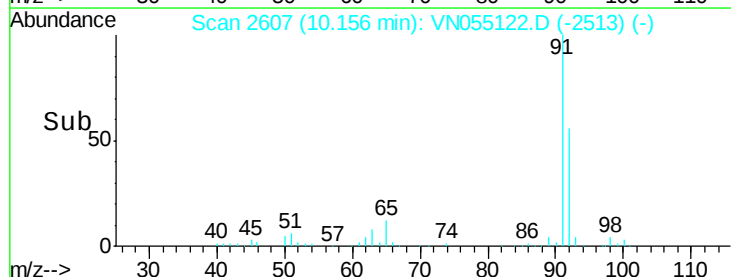
150000

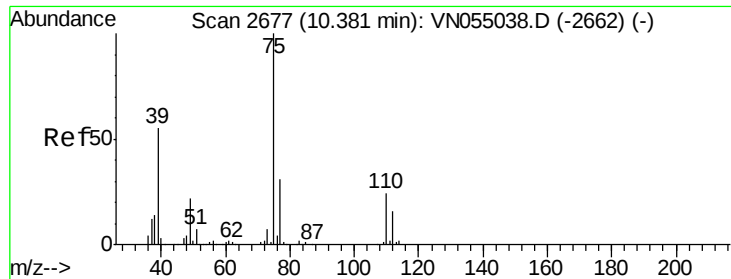
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.438 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

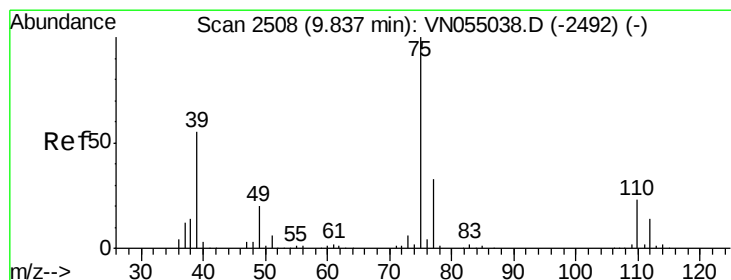
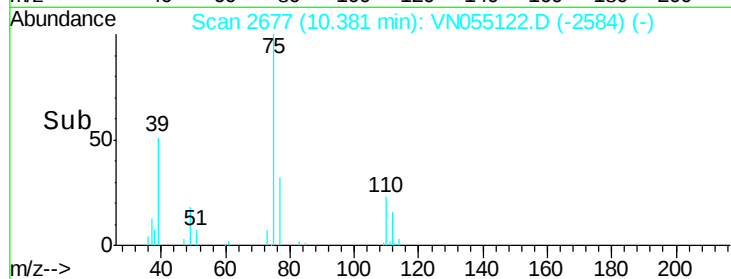
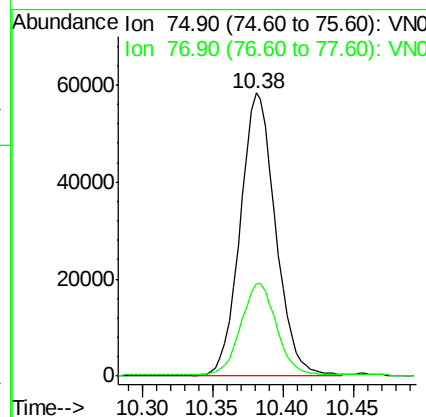
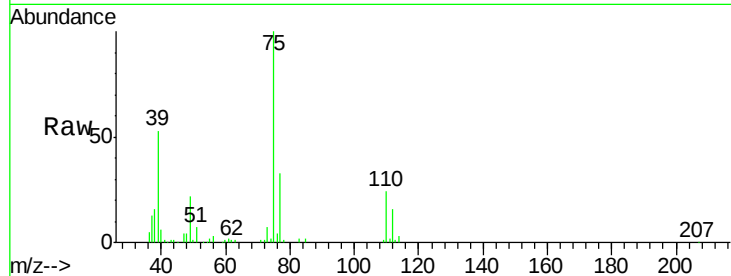
ClientSampleId :

Tot Ion: 75 Resp: 102605

Ion Ratio Lower Upper

75 100

77 32.1 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 19.208 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

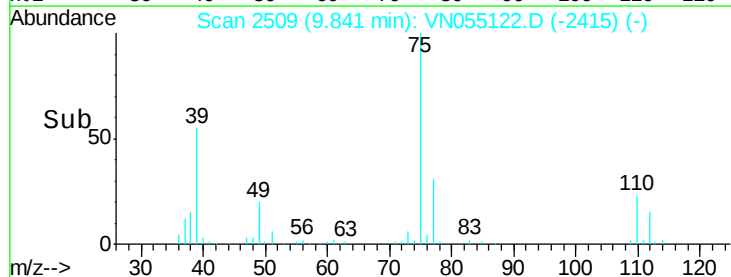
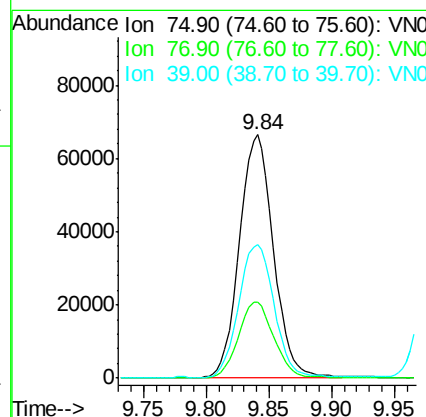
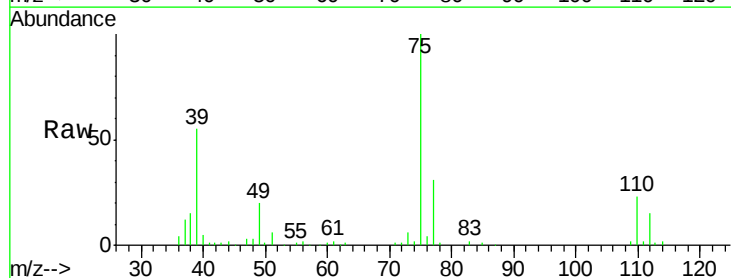
Tgt Ion: 75 Resp: 125842

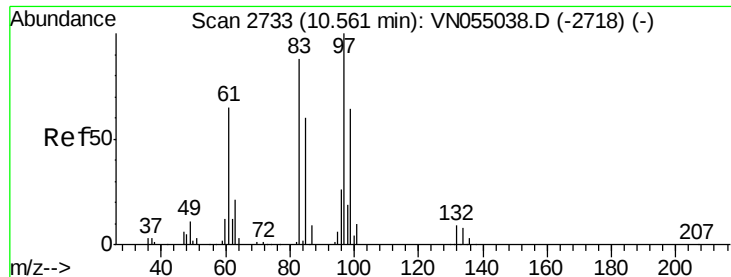
Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6

39 54.3 43.8 65.8

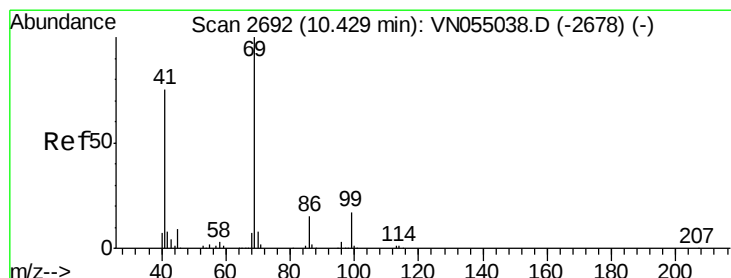
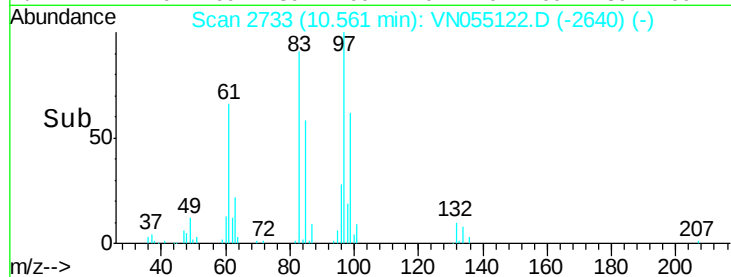
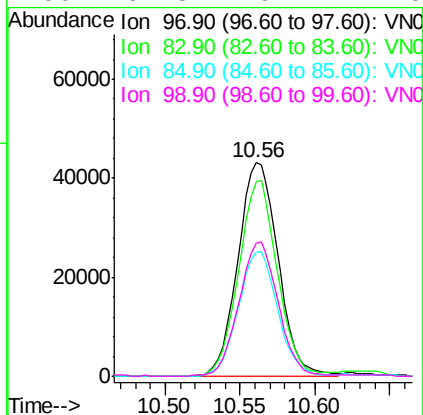
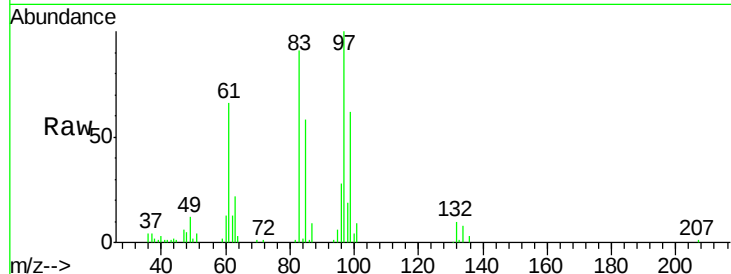




#55
 1,1,2-Trichloroethane
 Concen: 19.860 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

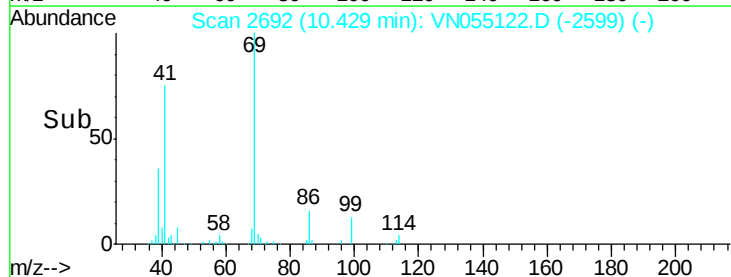
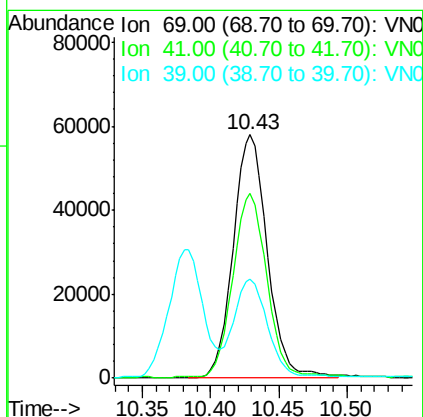
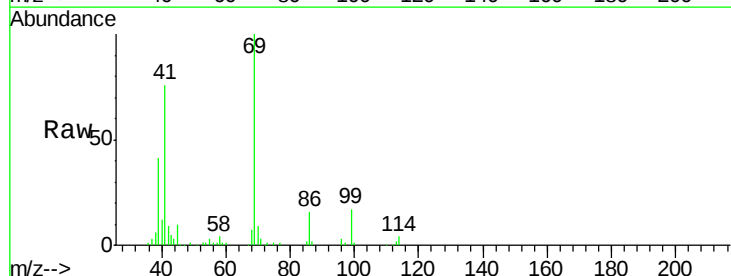
Instrument :
 MSVOA_N
 ClientSampleId :

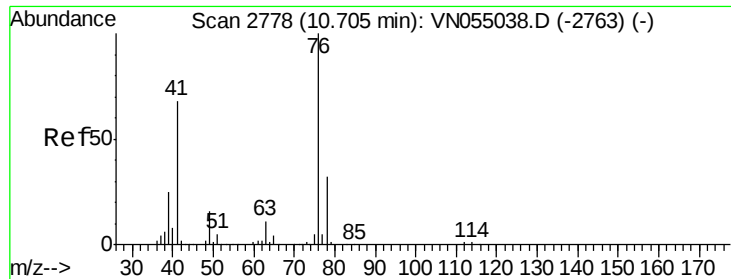
Tot Ion: 97 Resp: 80882
 Ion Ratio Lower Upper
 97 100
 83 91.3 70.5 105.7
 85 58.2 45.5 68.3
 99 62.3 49.4 74.0



#56
 Ethyl methacrylate
 Concen: 20.647 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

Tgt Ion: 69 Resp: 100913
 Ion Ratio Lower Upper
 69 100
 41 75.1 61.4 92.0
 39 38.5 30.8 46.2





#57

1,3-Dichloropropane

Concen: 20.129 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

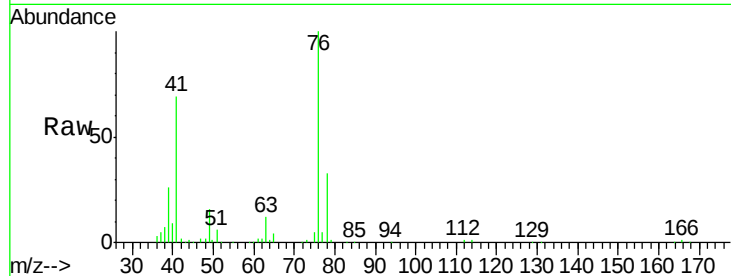
ClientSampleId :

Tot Ion: 76 Resp: 139575

Ion Ratio Lower Upper

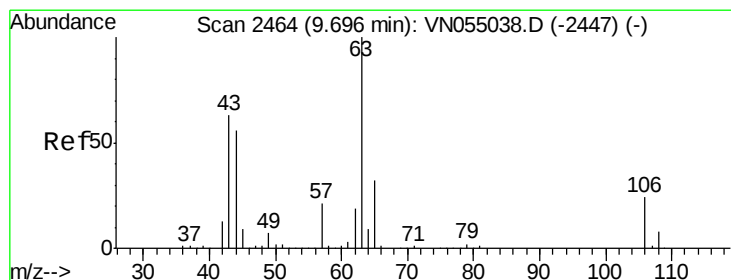
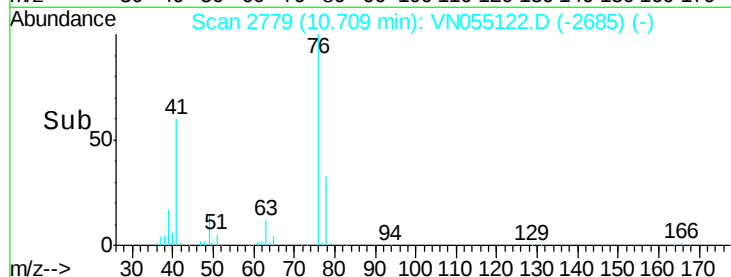
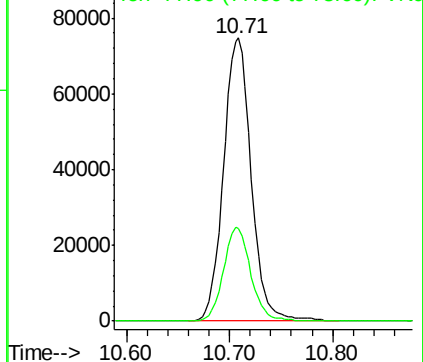
76 100

78 32.9 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 96.327 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055122.D

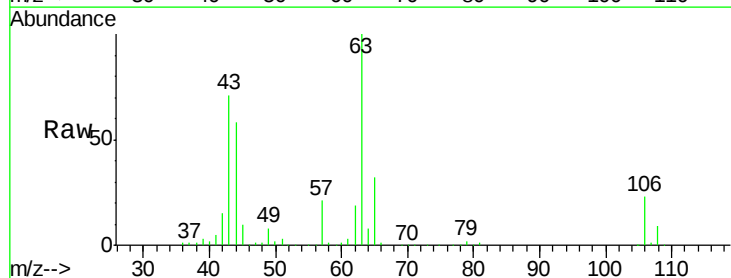
Acq: 18 Apr 2019 15:45

Tgt Ion: 63 Resp: 191983

Ion Ratio Lower Upper

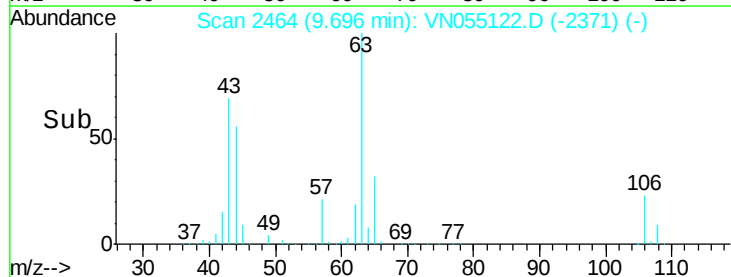
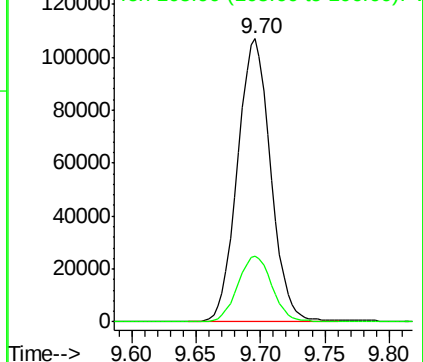
63 100

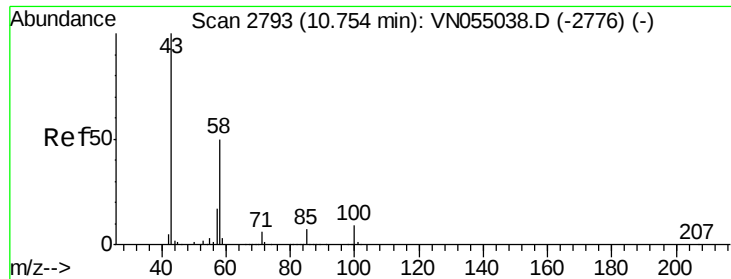
106 24.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

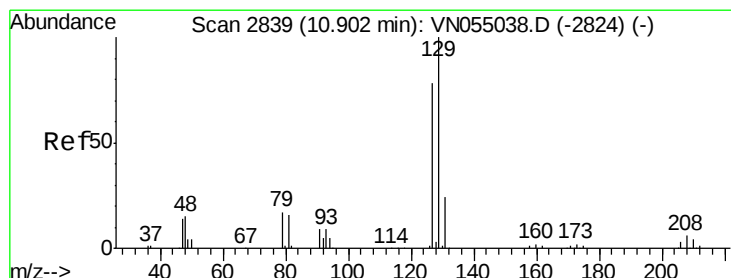
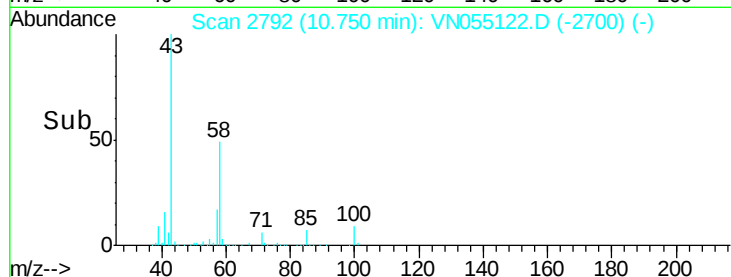
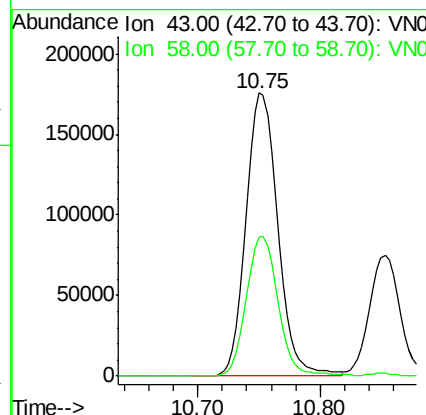
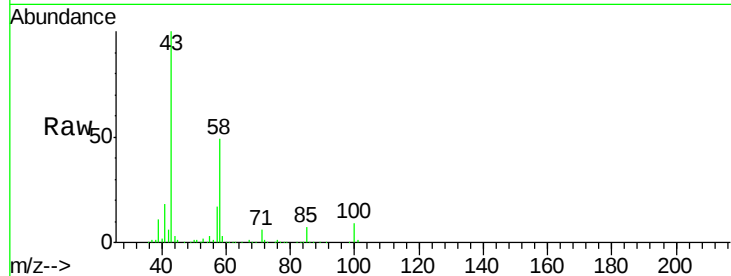




#59
2-Hexanone
Concen: 112.693 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

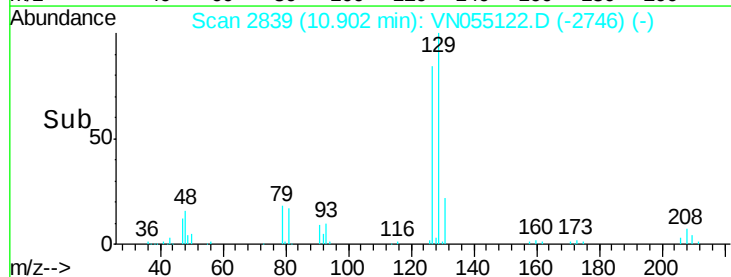
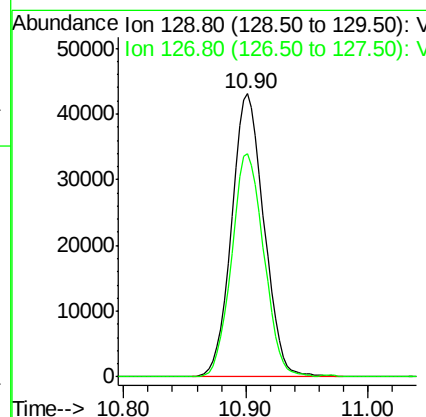
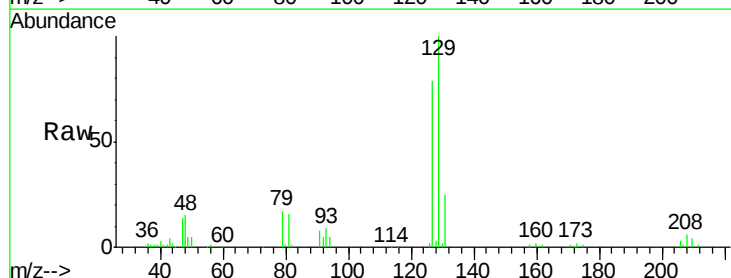
Instrument :
MSVOA_N
ClientSampleId :

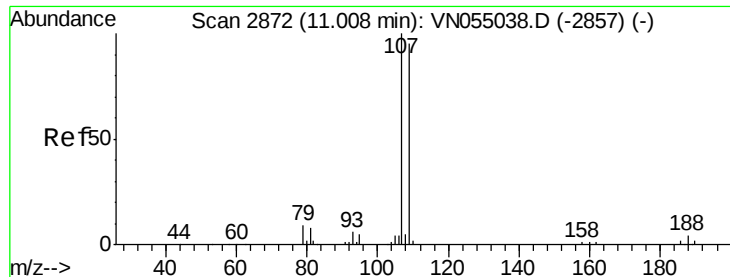
Tot Ion: 43 Resp: 314126
Ion Ratio Lower Upper
43 100
58 49.5 25.1 75.2



#60
Dibromochloromethane
Concen: 20.043 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Tgt Ion: 129 Resp: 79708
Ion Ratio Lower Upper
129 100
127 78.4 38.2 114.6

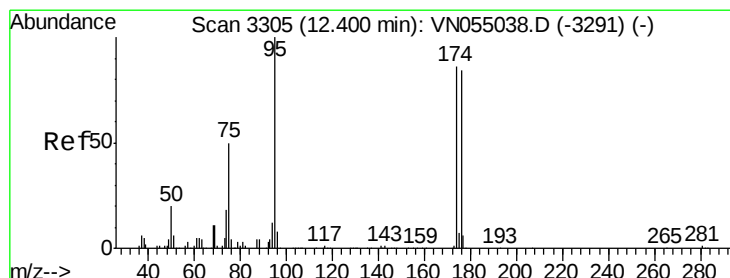
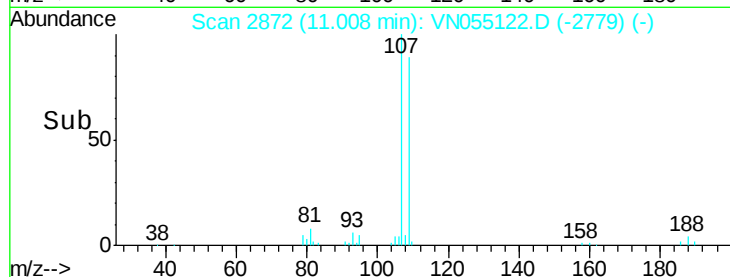
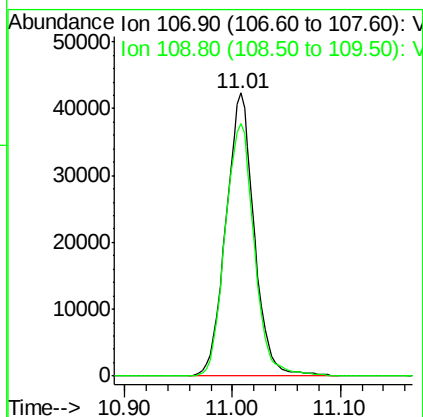
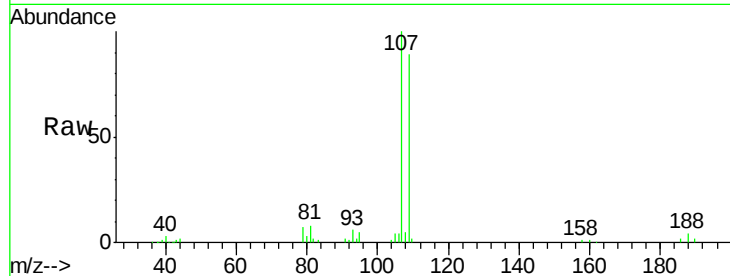




#61
 1,2-Dibromoethane
 Concen: 20.585 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

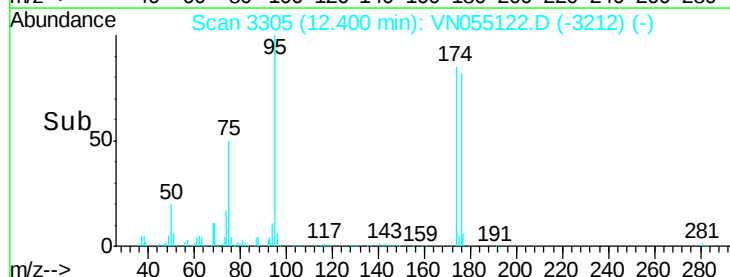
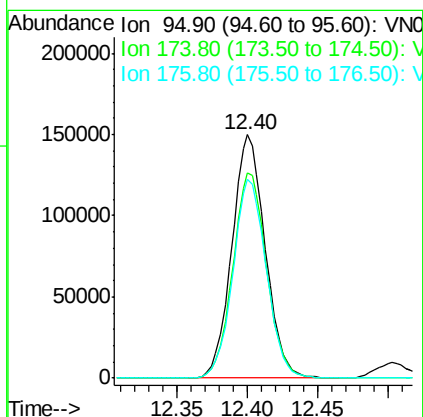
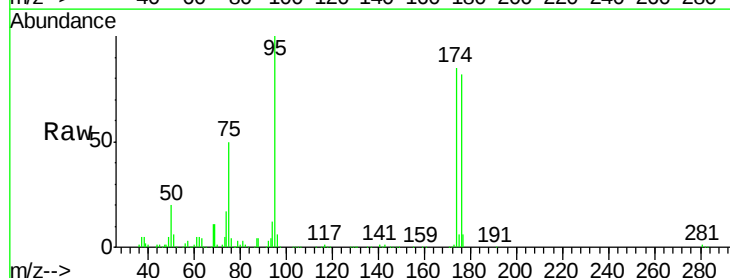
Instrument :
 MSVOA_N
 ClientSampleId :

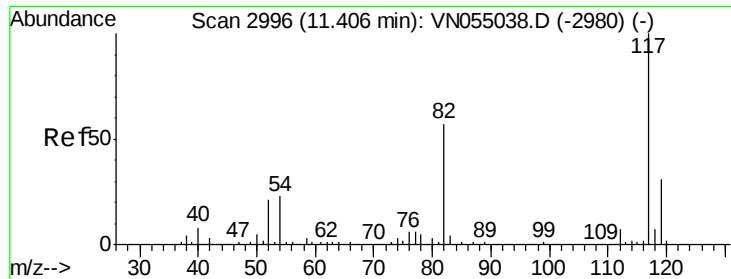
Tot Ion: 107 Resp: 77162
 Ion Ratio Lower Upper
 107 100
 109 92.1 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 49.064 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

Tgt Ion: 95 Resp: 247836
 Ion Ratio Lower Upper
 95 100
 174 85.4 0.0 174.4
 176 81.8 0.0 166.8

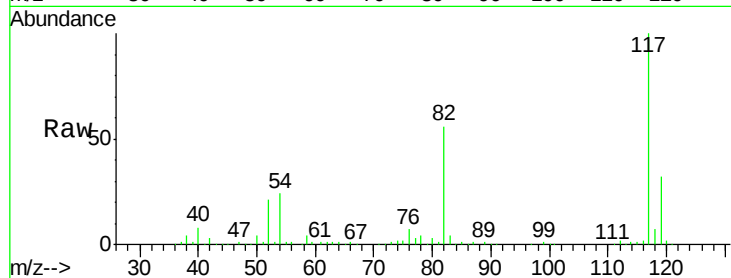




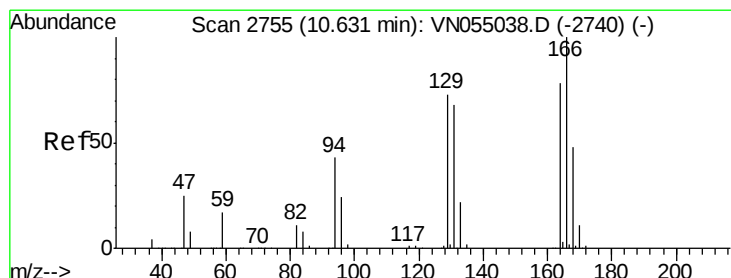
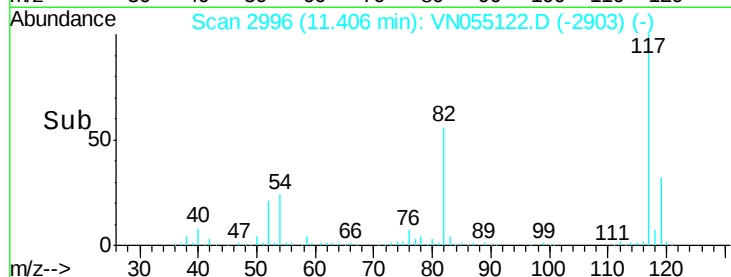
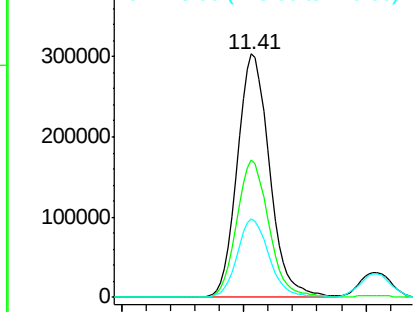
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 554619
Ion Ratio Lower Upper
117 100
82 56.3 44.6 66.8
119 32.2 25.5 38.3

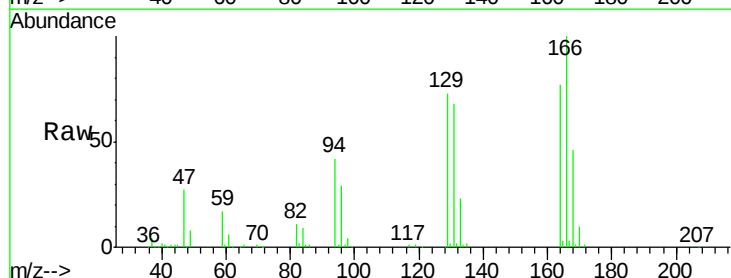


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

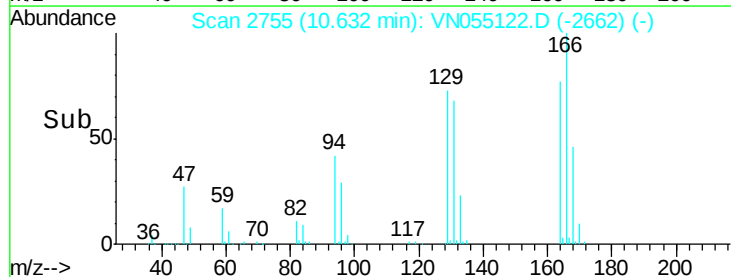
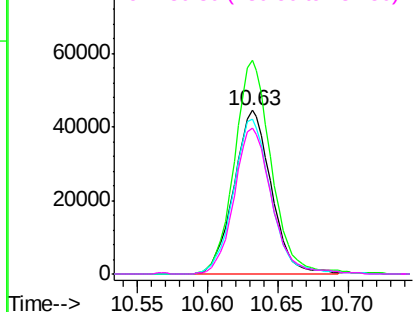


#64
Tetrachloroethene
Concen: 18.284 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Tgt Ion:164 Resp: 82462
Ion Ratio Lower Upper
164 100
166 130.4 100.0 150.0
129 94.9 72.0 108.0
131 88.9 69.7 104.5



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

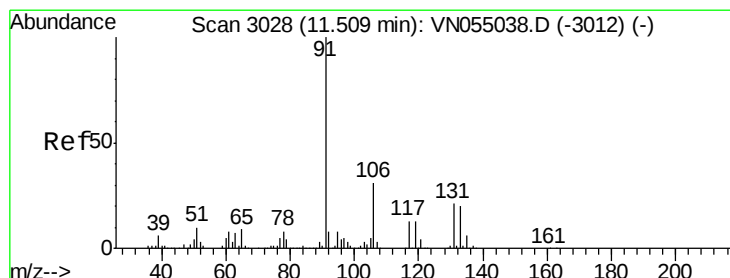
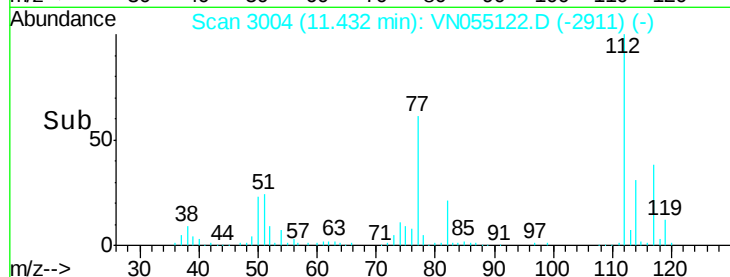
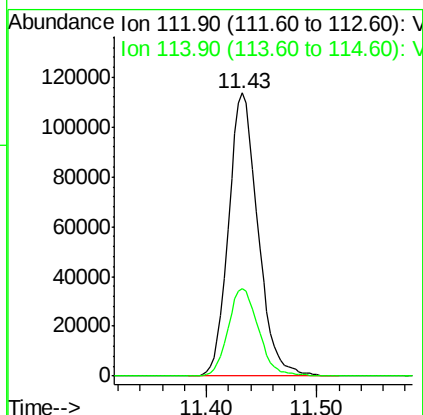
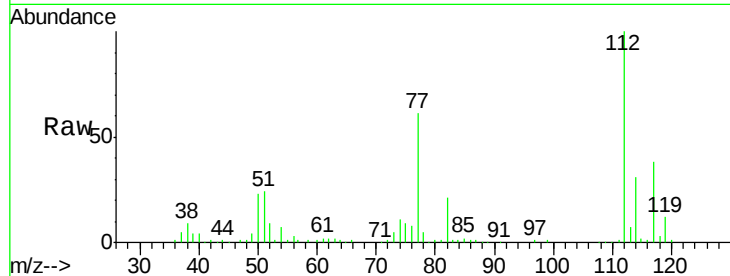




#65
Chlorobenzene
Concen: 18.804 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

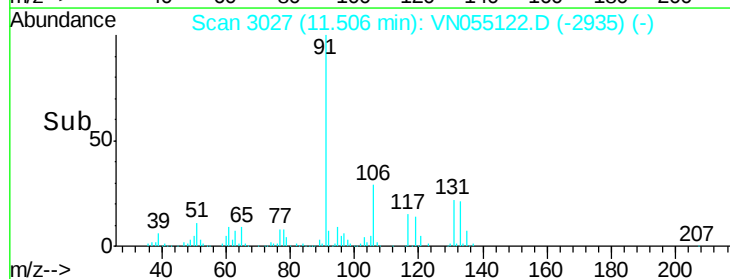
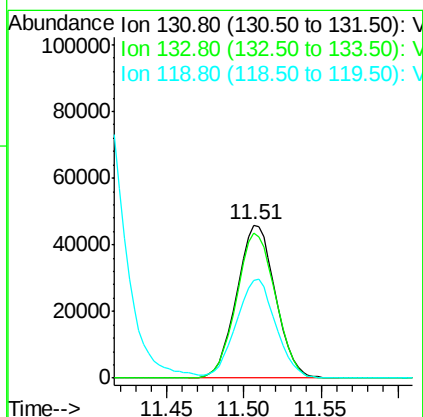
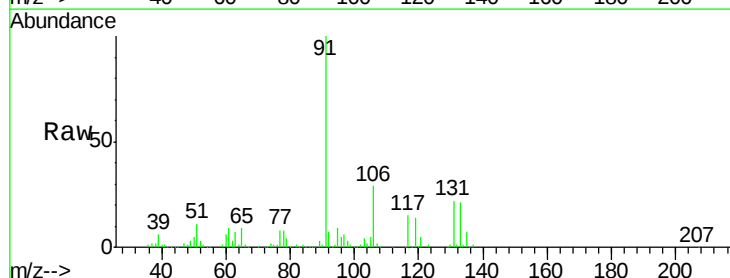
Instrument :
MSVOA_N
ClientSampleId :

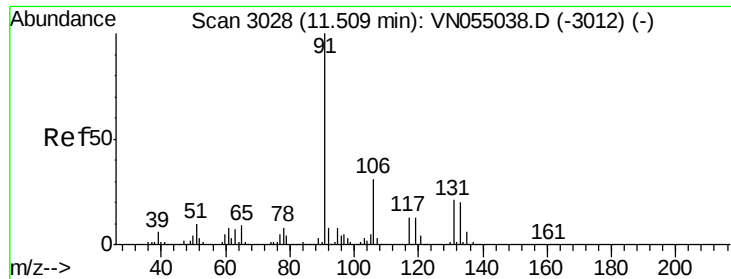
Tot Ion:112 Resp: 209929
Ion Ratio Lower Upper
112 100
114 30.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.496 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Tgt Ion:131 Resp: 80051
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.3
119 65.5 33.6 100.6

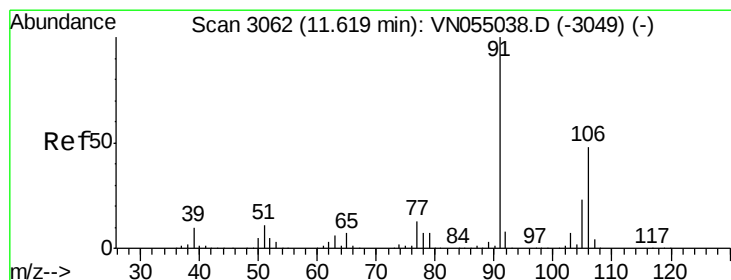
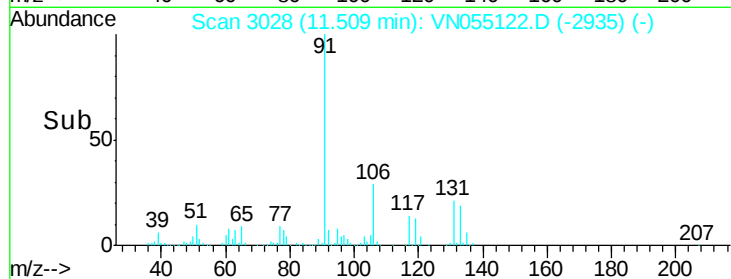
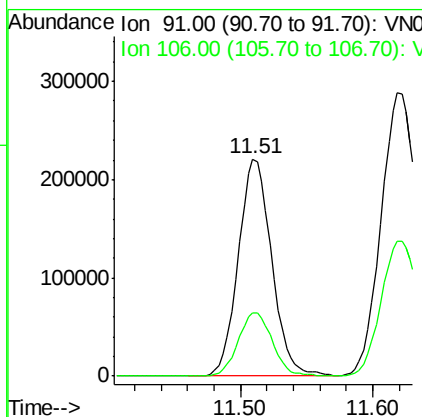
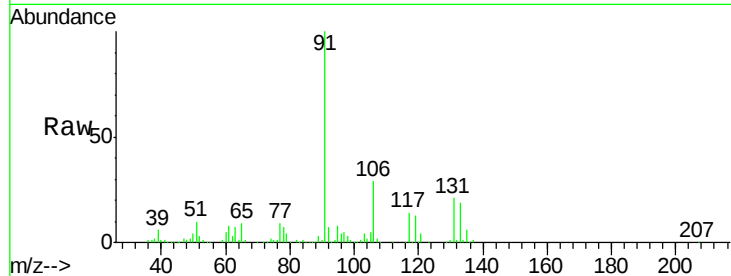




#67
Ethyl Benzene
Concen: 19.425 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

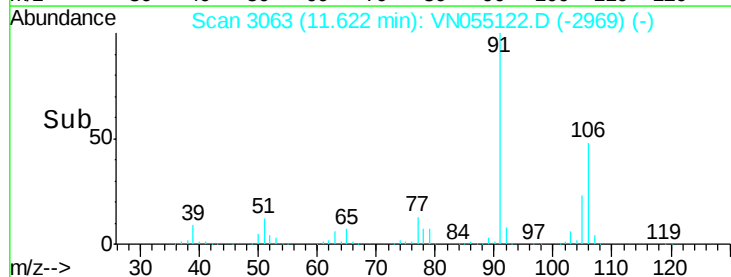
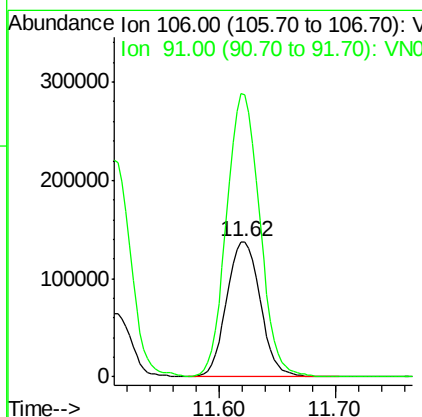
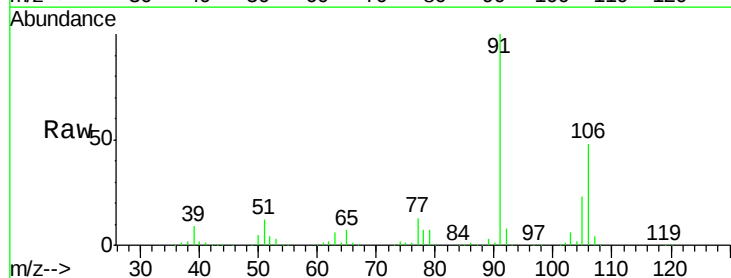
Instrument :
MSVOA_N
ClientSampled :

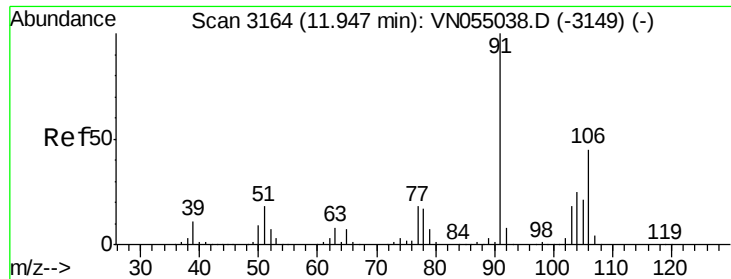
Tot Ion: 91 Resp: 387269
Ion Ratio Lower Upper
91 100
106 29.1 24.3 36.5



#68
m/p-Xylenes
Concen: 38.383 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Tgt Ion: 106 Resp: 277101
Ion Ratio Lower Upper
106 100
91 205.8 165.9 248.9

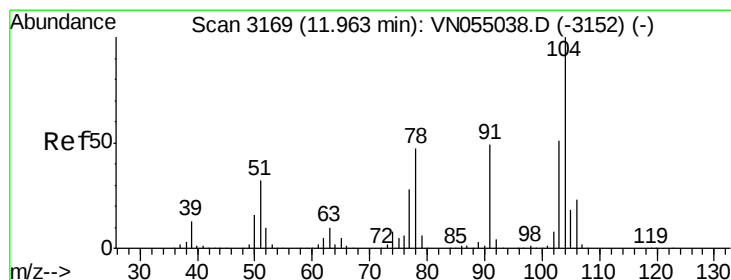
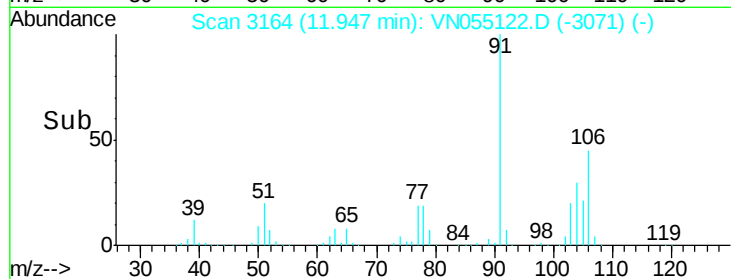
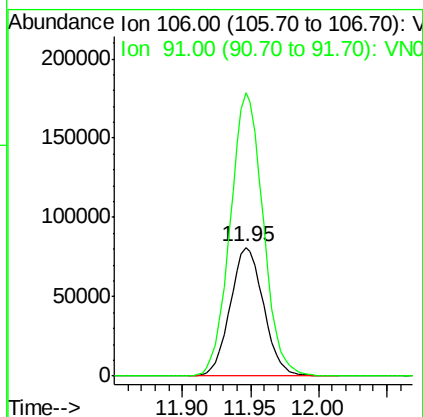
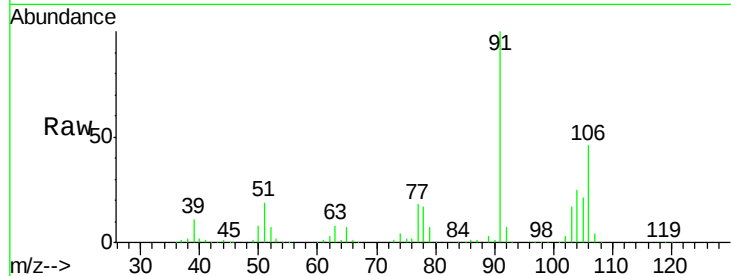




#69
o-Xylene
Concen: 19.741 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

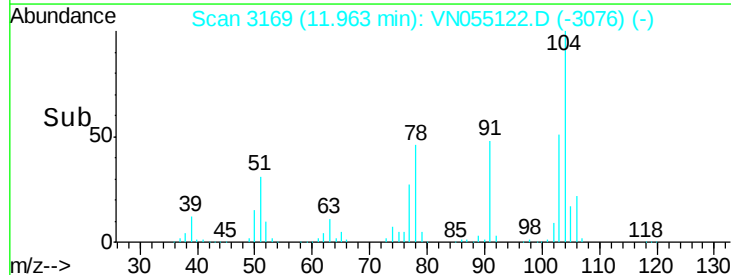
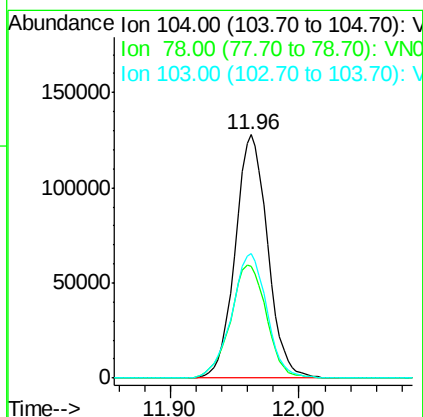
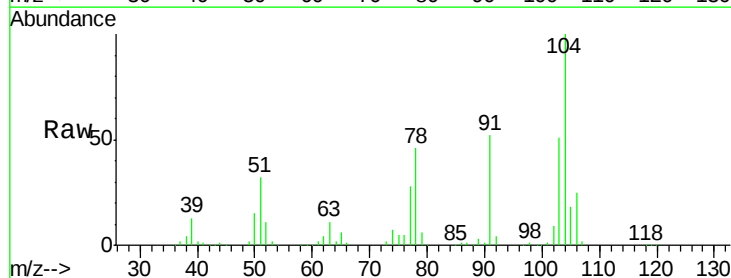
Instrument :
MSVOA_N
ClientSampled :

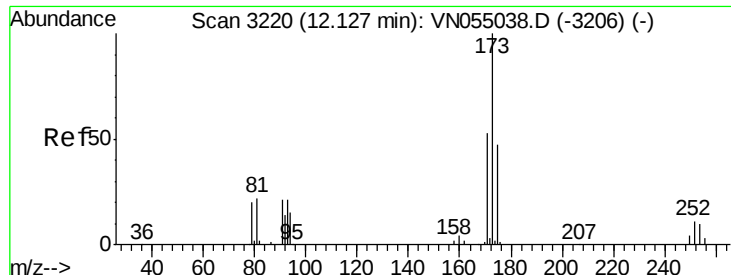
Tot Ion:106 Resp: 138040
Ion Ratio Lower Upper
106 100
91 216.8 109.9 329.8



#70
Styrene
Concen: 19.738 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Tgt Ion:104 Resp: 223403
Ion Ratio Lower Upper
104 100
78 51.5 40.3 60.5
103 55.3 44.3 66.5





#71

Bromoform

Concen: 20.487 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

ClientSampled :

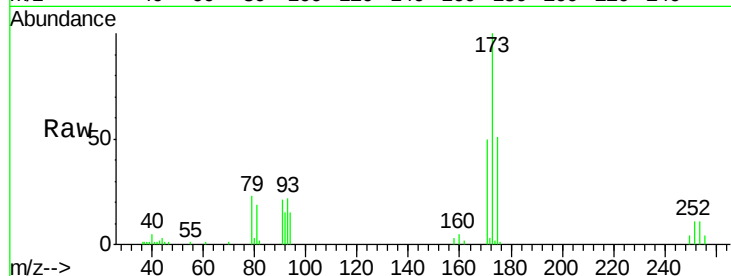
Tot Ion:173 Resp: 48217

Ion Ratio Lower Upper

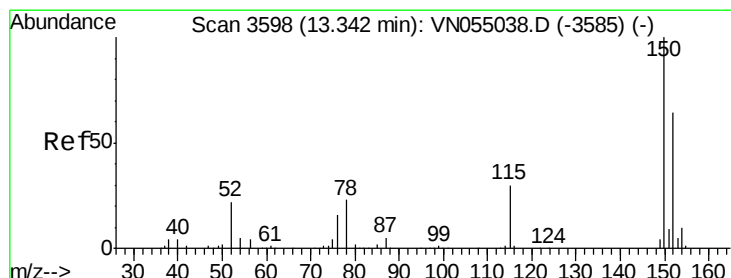
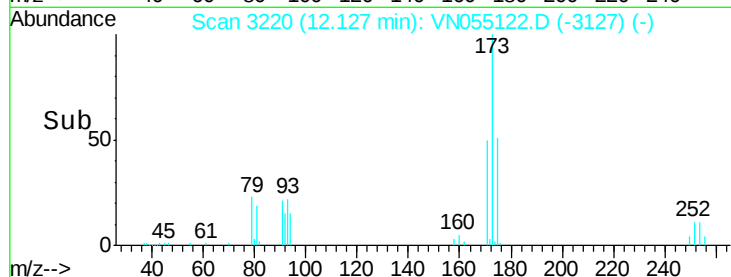
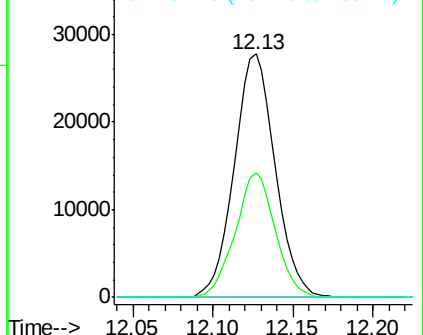
173 100

175 49.9 24.3 73.0

254 0.0 0.1 0.1#



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: VN055122.D

Acq: 18 Apr 2019 15:45

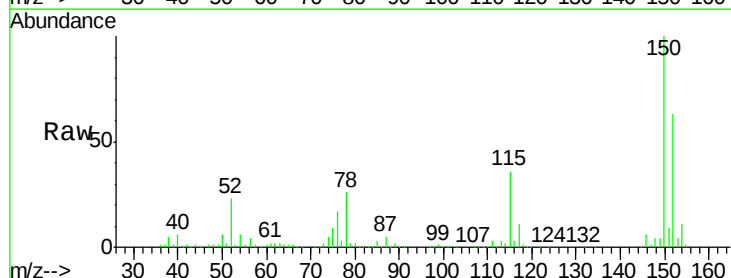
Tgt Ion:152 Resp: 216107

Ion Ratio Lower Upper

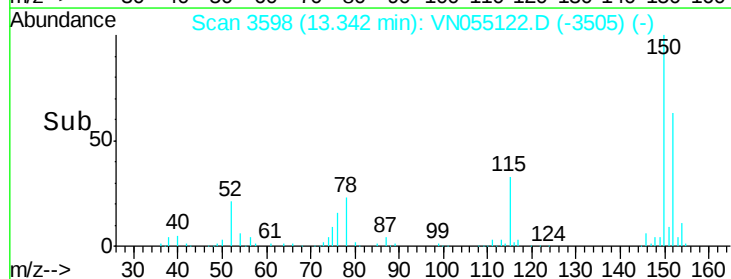
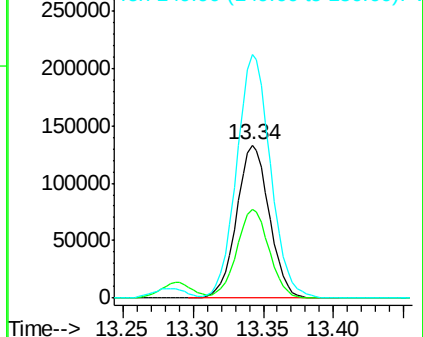
152 100

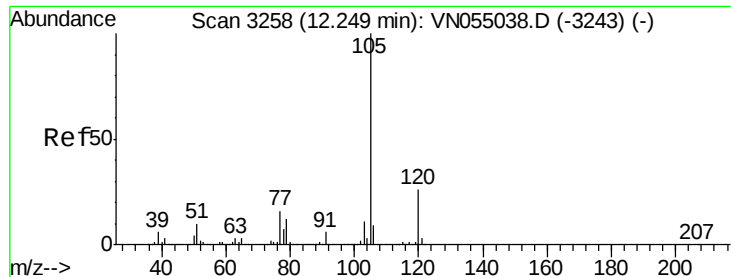
115 57.5 28.5 85.6

150 164.8 0.0 347.2



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: 18.880 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

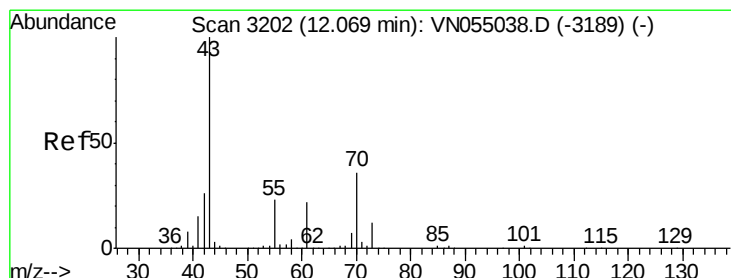
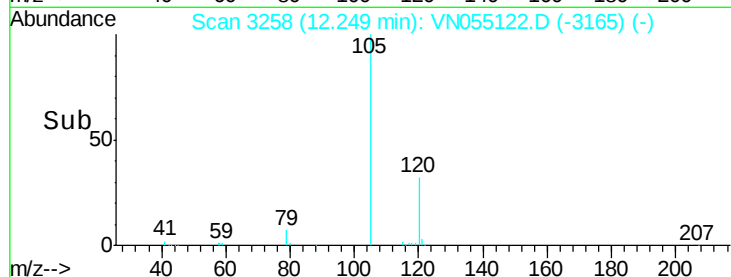
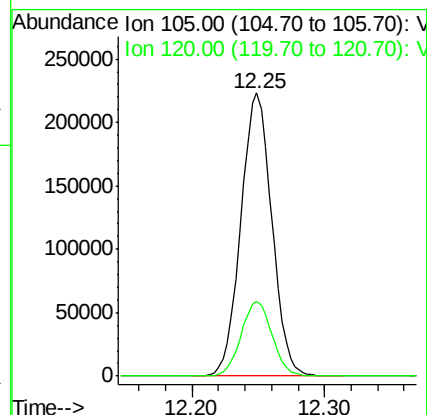
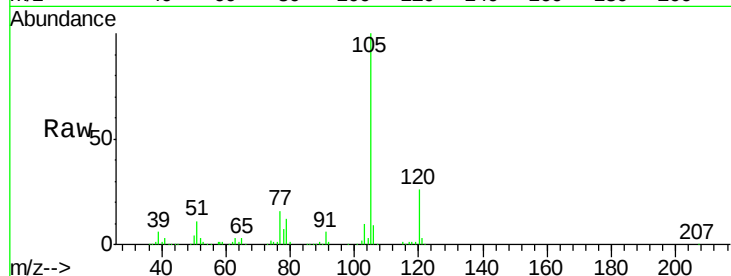
ClientSampleId :

Tot Ion:105 Resp: 362064

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



#74

N-ethyl acetate

Concen: 21.279 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Tgt Ion: 43 Resp: 114869

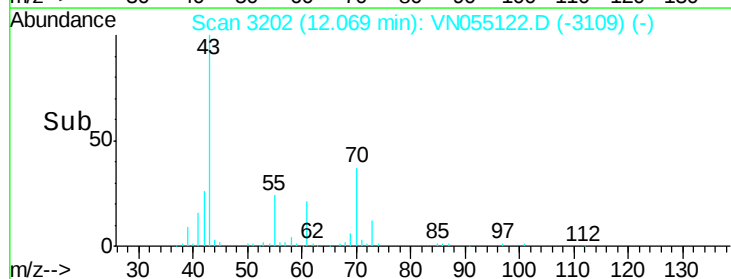
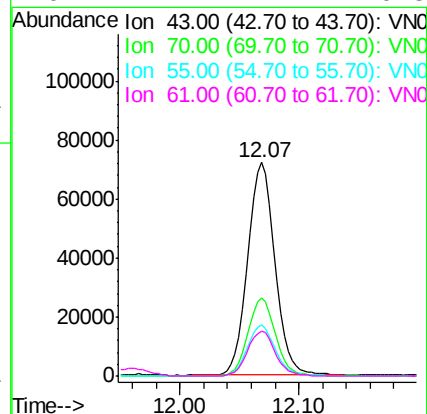
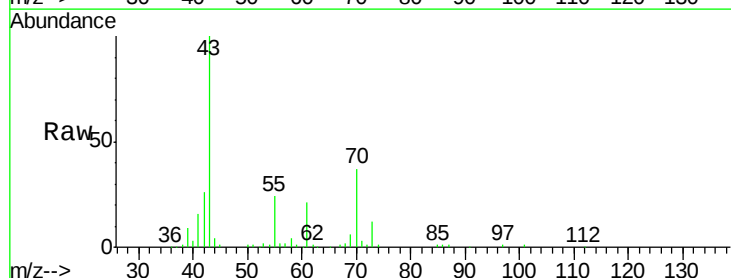
Ion Ratio Lower Upper

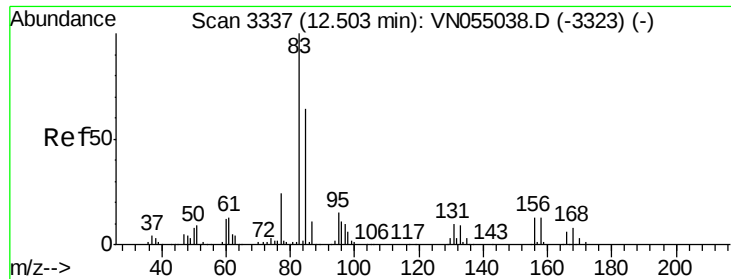
43 100

70 37.1 29.4 44.0

55 24.7 19.0 28.4

61 21.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.486 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055122.D

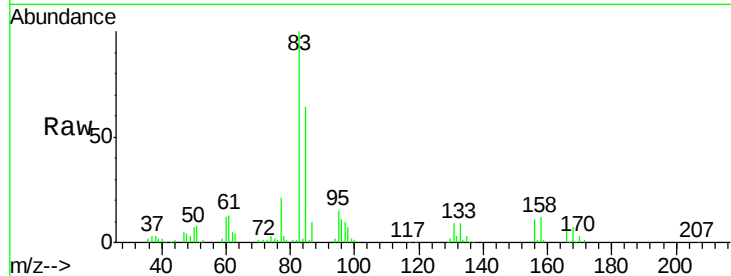
Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	83	Resp:	105121
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	15.0
85	63.8	32.3	96.9

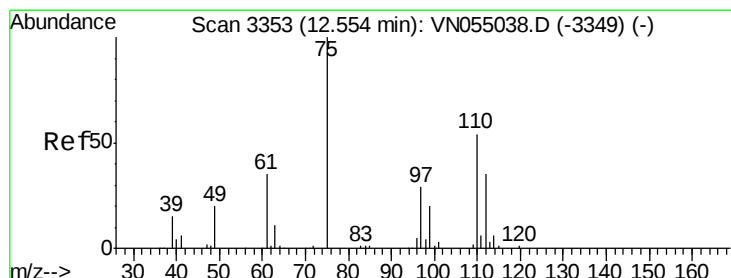
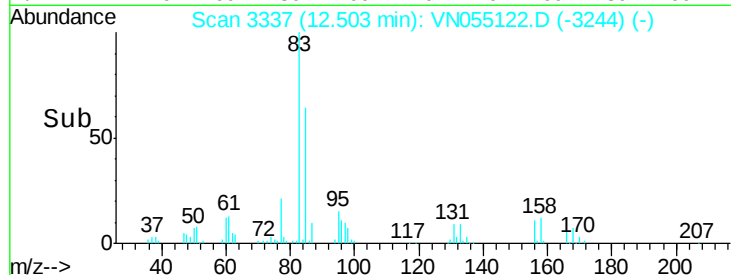


Abundance Ion 82.90 (82.60 to 83.60): VN055122.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN055122.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN055122.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 29.582 ug/l

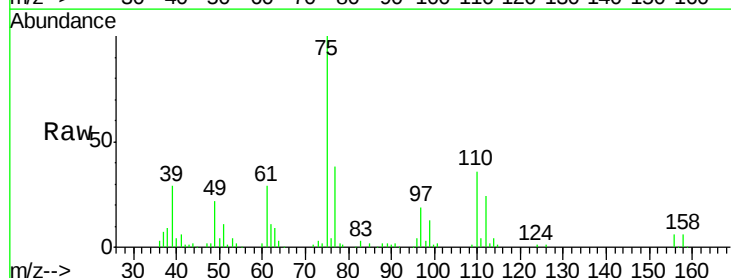
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

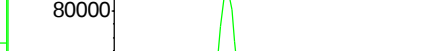
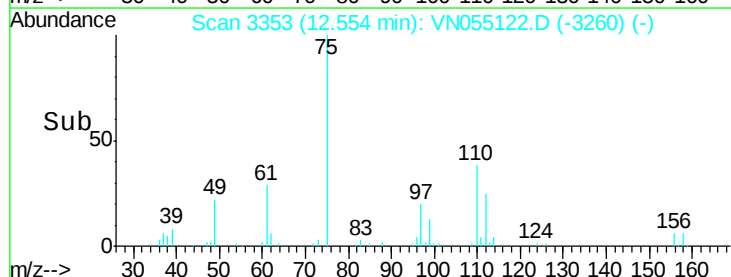
Tgt Ion:	75	Resp:	114959
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

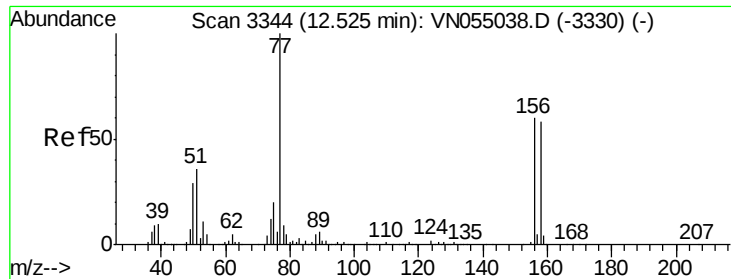


Abundance Ion 74.90 (74.60 to 75.60): VN055122.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055122.D (-3260) (-)

Time-->





#77

Bromobenzene

Concen: 18.542 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

ClientSampleId :

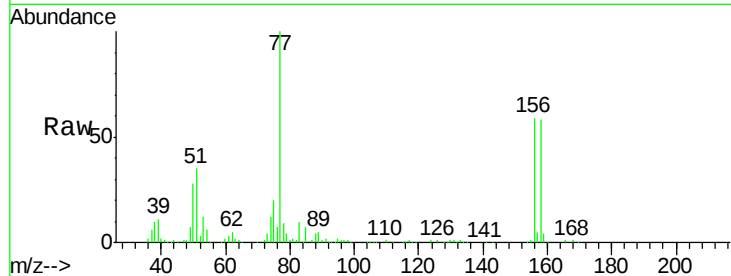
Tot Ion:156 Resp: 88645

Ion Ratio Lower Upper

156 100

77 200.2 97.2 291.5

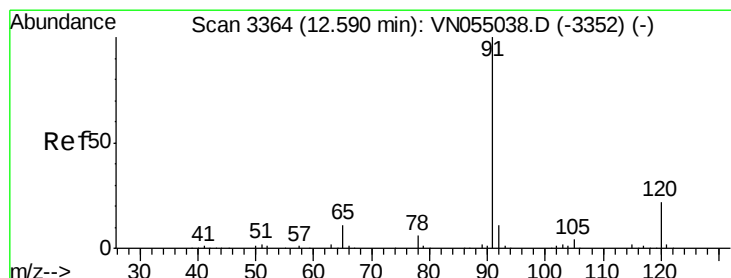
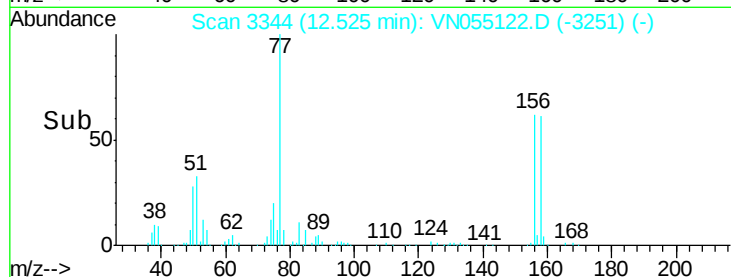
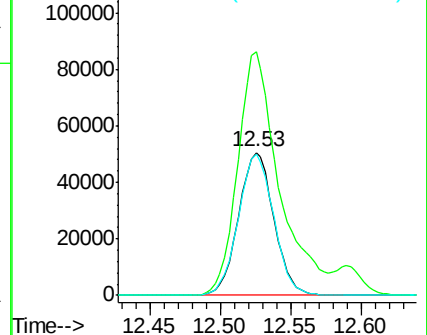
158 98.9 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.110 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055122.D

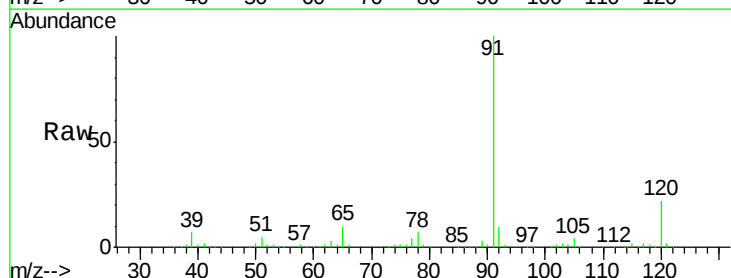
Acq: 18 Apr 2019 15:45

Tgt Ion: 91 Resp: 395946

Ion Ratio Lower Upper

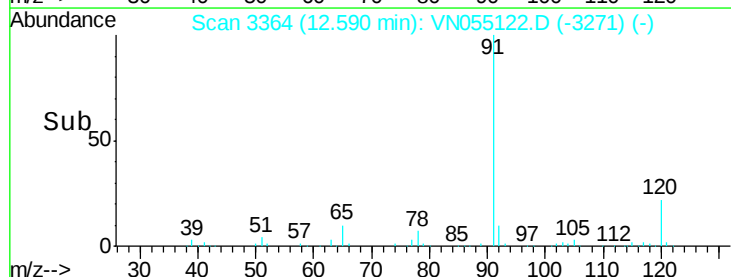
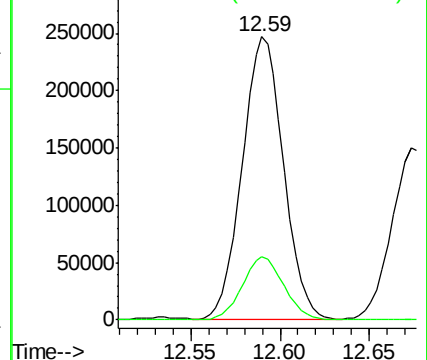
91 100

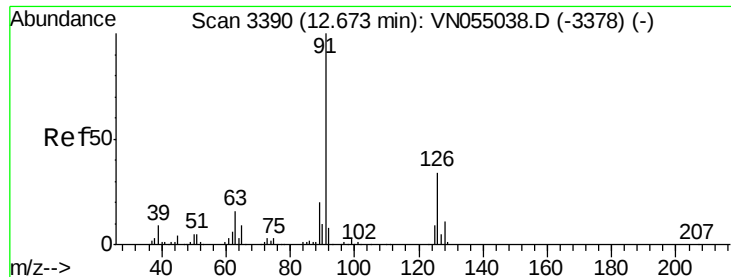
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.058 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

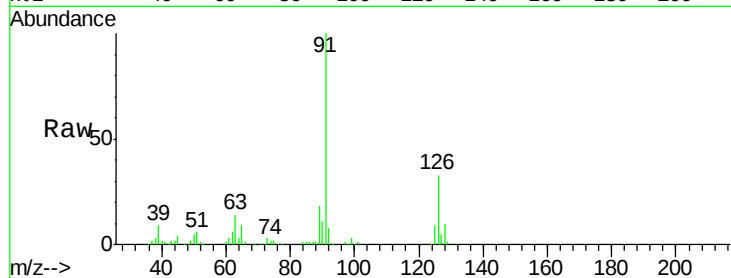
ClientSampleId :

Tot Ion: 91 Resp: 246293

Ion Ratio Lower Upper

91 100

126 33.3 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VN055122.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055122.D (-3297) (-)

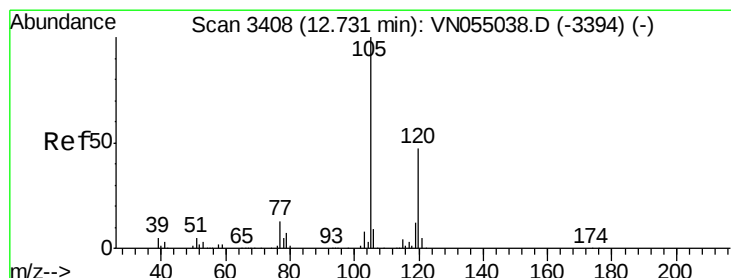
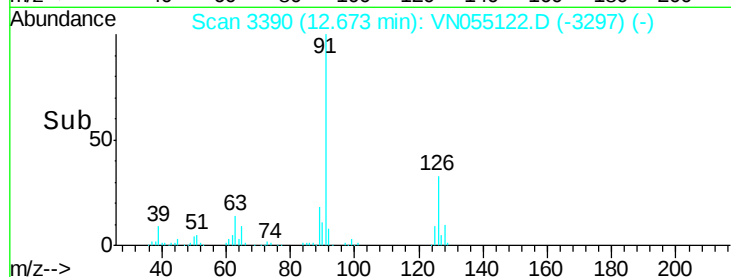
12.67

100000

50000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.155 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055122.D

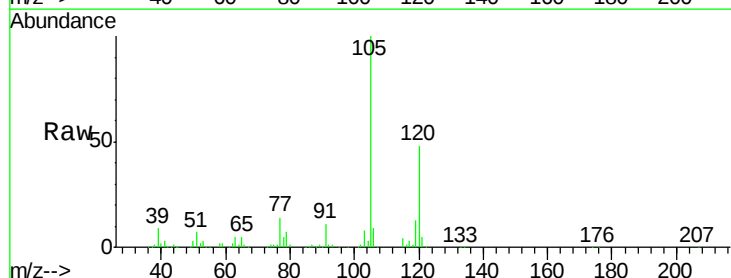
Acq: 18 Apr 2019 15:45

Tgt Ion: 105 Resp: 296437

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055122.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055122.D (-3315) (-)

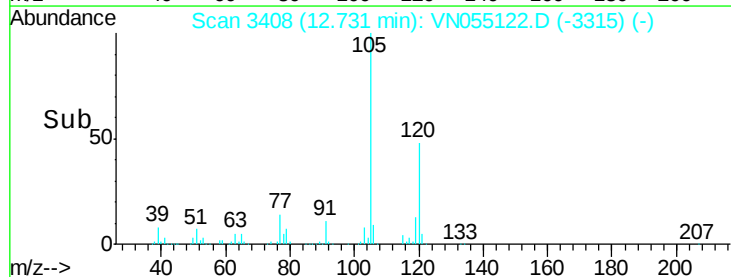
12.73

100000

50000

0

Time--> 12.65 12.70 12.75 12.80

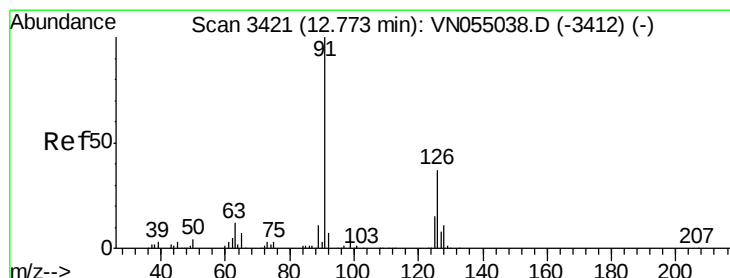
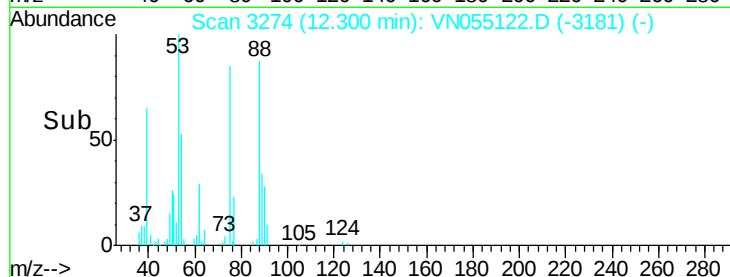
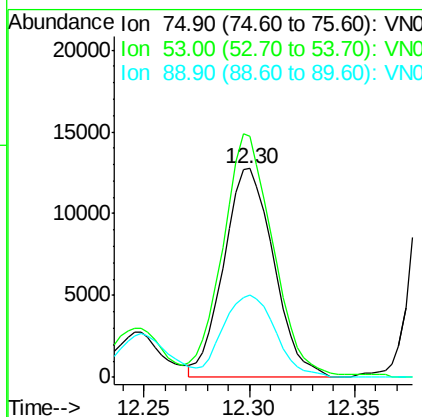
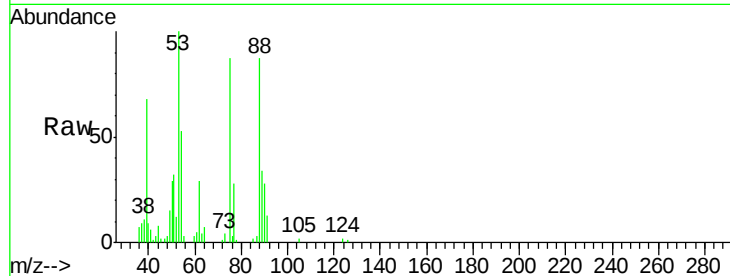




#81
trans-1,4-Dichloro-2-butene
Concen: 21.635 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

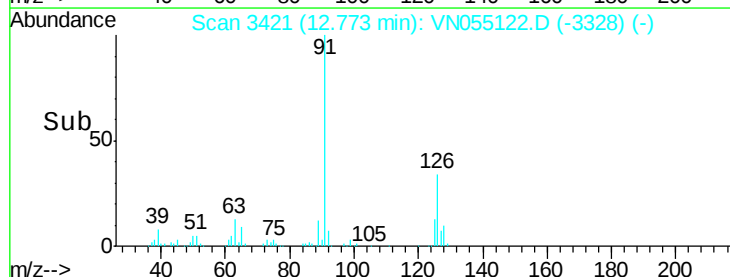
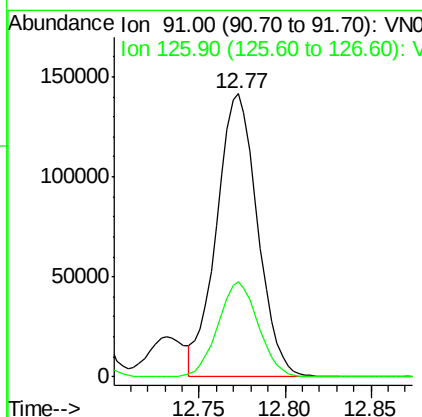
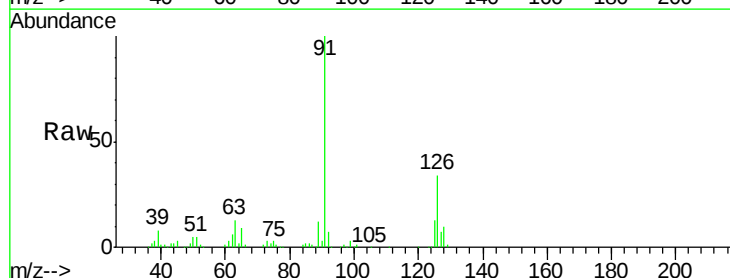
Instrument :
MSVOA_N
ClientSampled :

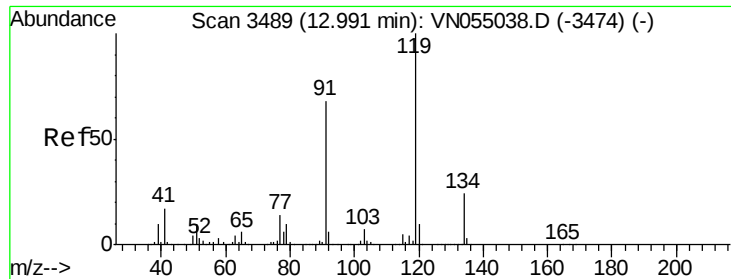
Tot Ion: 75 Resp: 21025
Ion Ratio Lower Upper
75 100
53 115.1 96.3 144.5
89 41.5 38.6 57.8



#82
4-Chlorotoluene
Concen: 19.393 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055122.D
Acq: 18 Apr 2019 15:45

Tgt Ion: 91 Resp: 233820
Ion Ratio Lower Upper
91 100
126 33.2 16.4 49.2

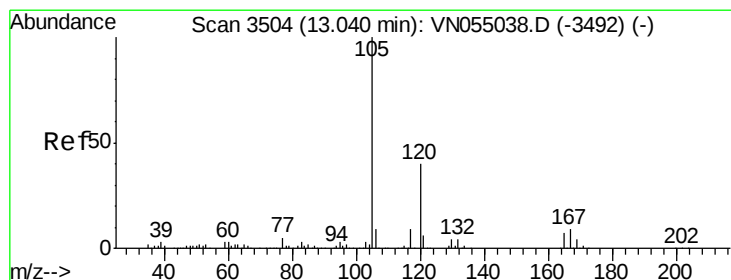
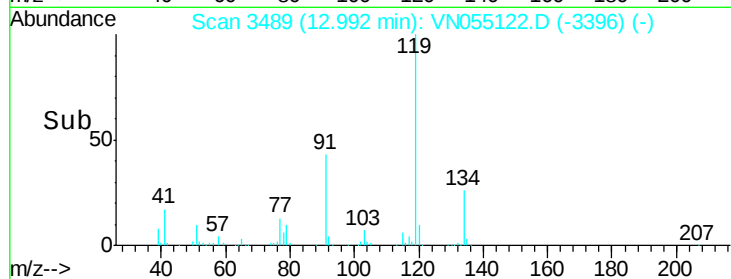
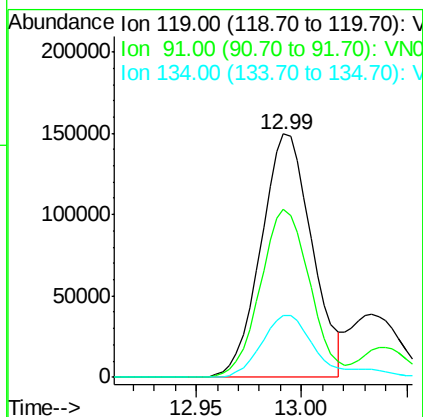
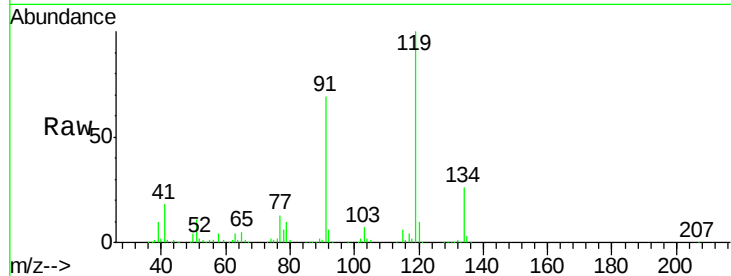




#83
 tert-Butylbenzene
 Concen: 19.247 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

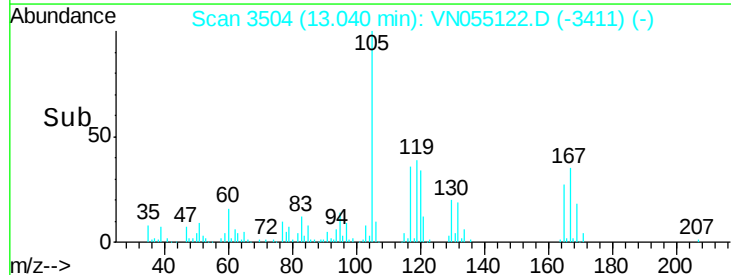
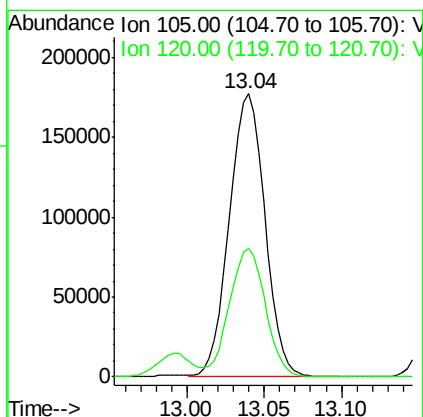
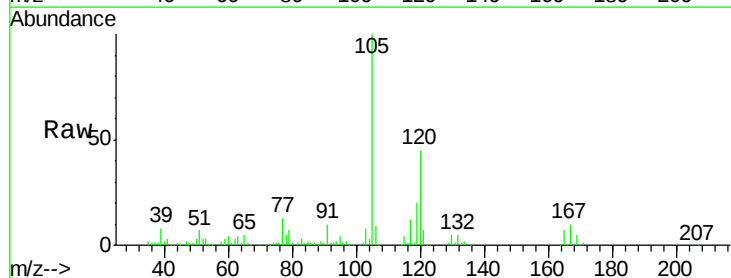
Instrument :
 MSVOA_N
 ClientSampled :

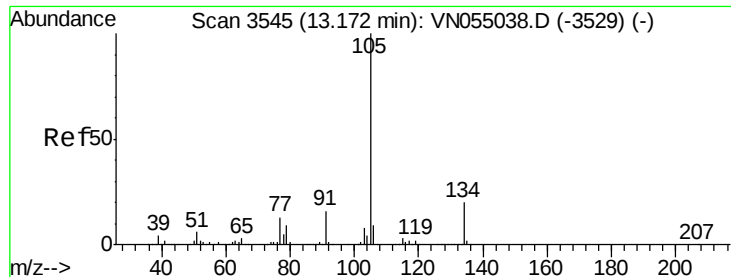
Tot Ion:119 Resp: 251548
 Ion Ratio Lower Upper
 119 100
 91 66.9 33.3 99.8
 134 27.9 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.273 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

Tgt Ion:105 Resp: 282660
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.4 67.3





#85

sec-Butylbenzene

Concen: 19.381 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

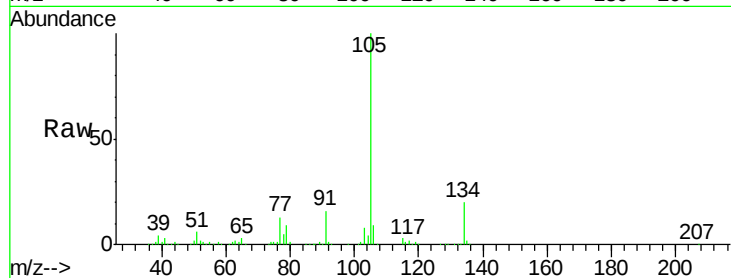
ClientSampleId :

Tot Ion:105 Resp: 322766

Ion Ratio Lower Upper

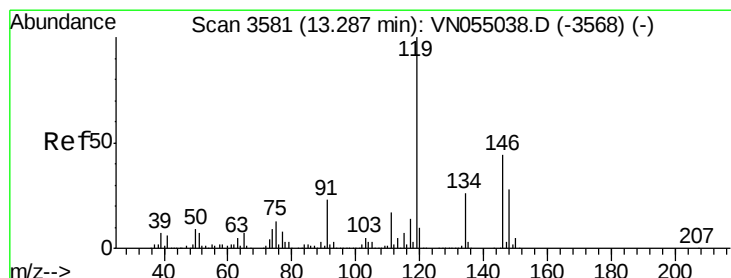
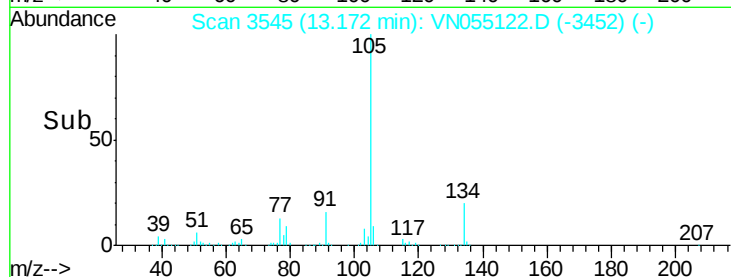
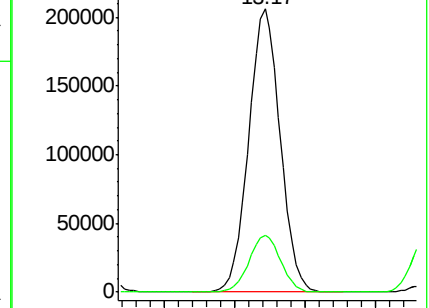
105 100

134 20.2 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.233 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

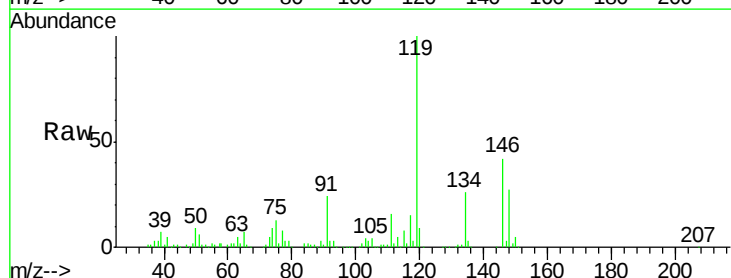
Tgt Ion:119 Resp: 274794

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

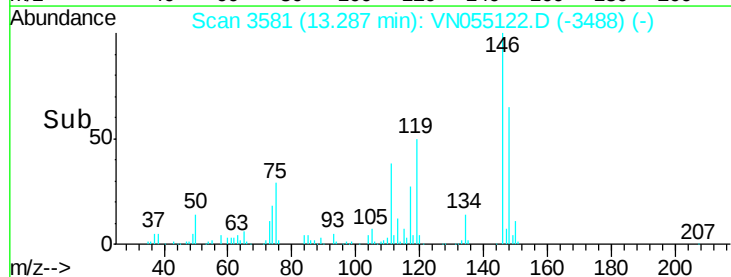
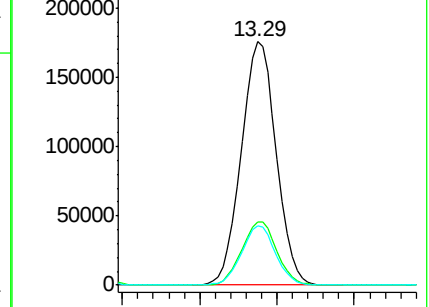
91 23.6 11.7 35.1

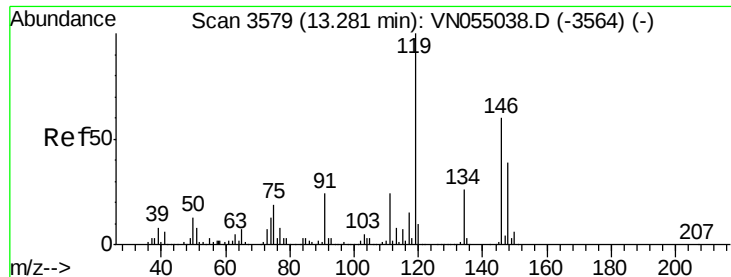


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

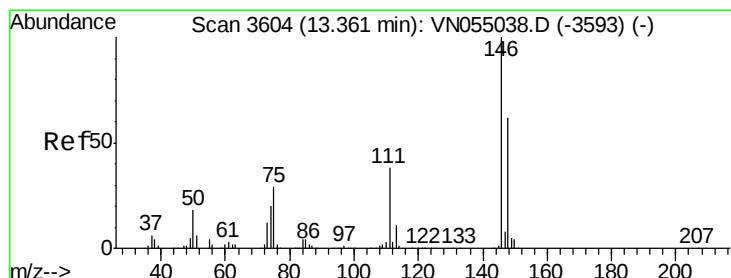
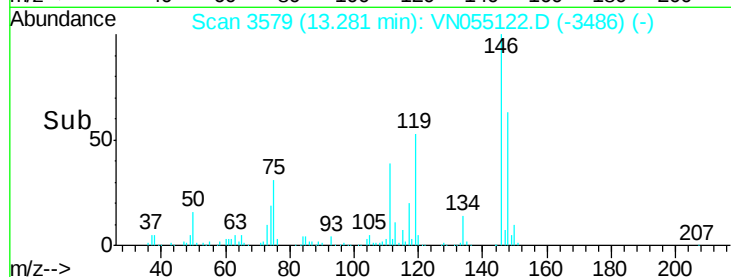
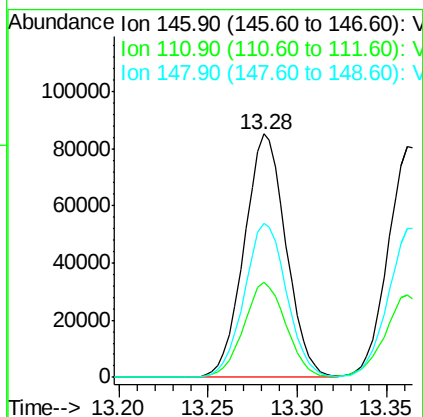
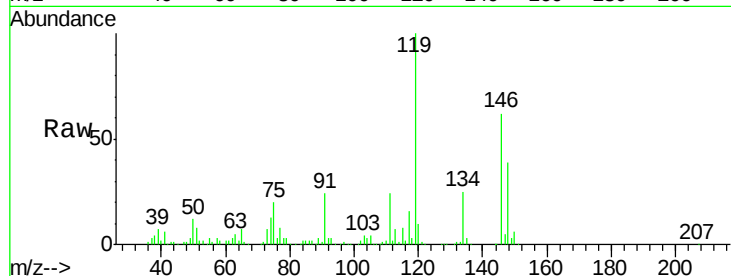




#87
 1,3-Dichlorobenzene
 Concen: 19.175 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

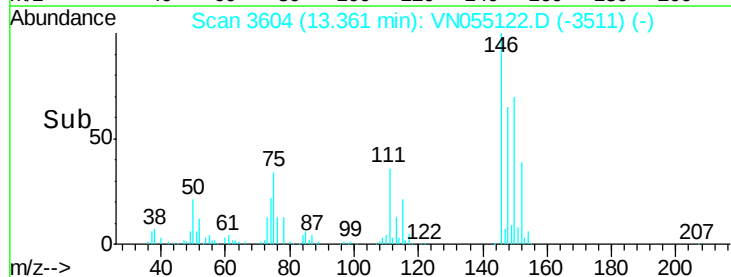
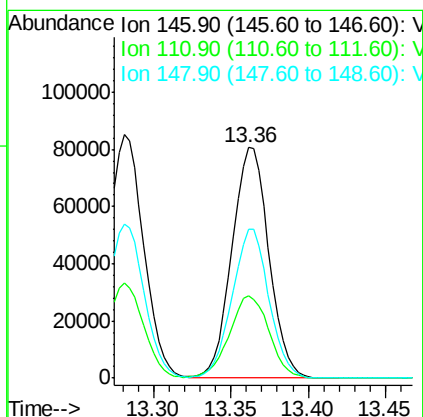
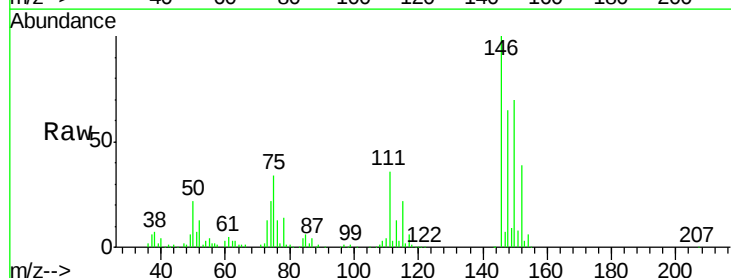
Instrument :
 MSVOA_N
 ClientSampleId :

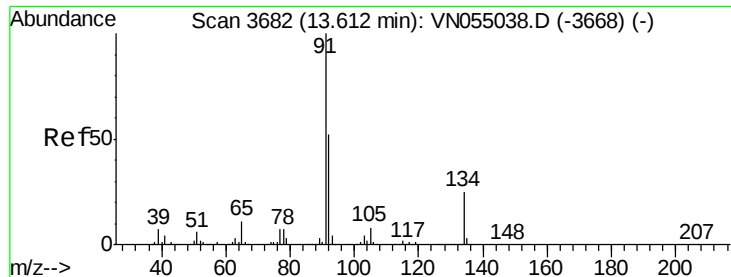
Tot Ion:146 Resp: 139338
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.5 58.5
 148 63.9 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 19.300 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

Tgt Ion:146 Resp: 133743
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.8 56.4
 148 64.2 32.4 97.2





#89

n-Butylbenzene

Concen: 18.946 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

ClientSampleId :

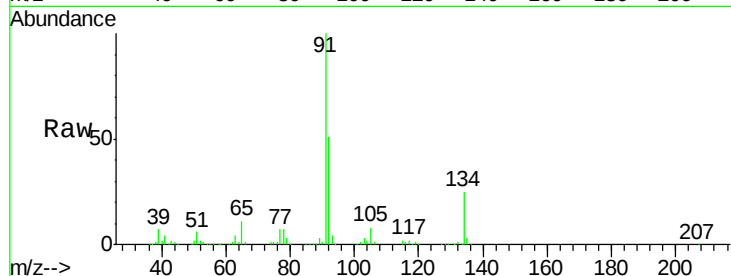
Tot Ion: 91 Resp: 200953

Ion Ratio Lower Upper

91 100

92 50.9 25.9 77.7

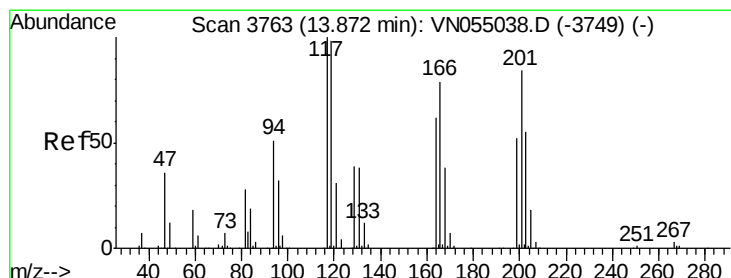
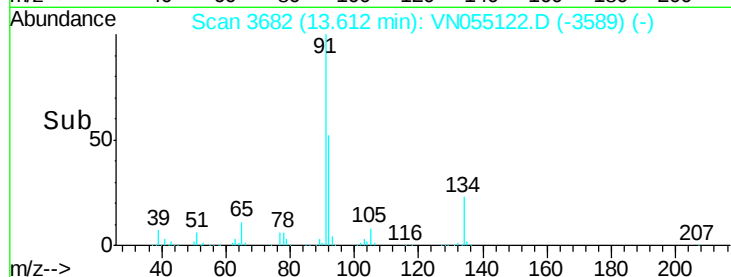
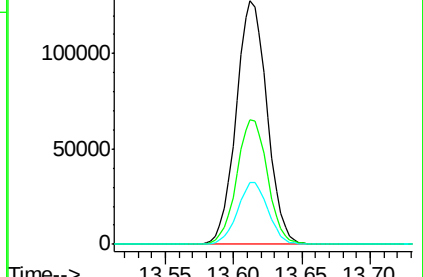
134 25.0 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN055122.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055122.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055122.D (-3682) (-)



#90

Hexachloroethane

Concen: 18.985 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055122.D

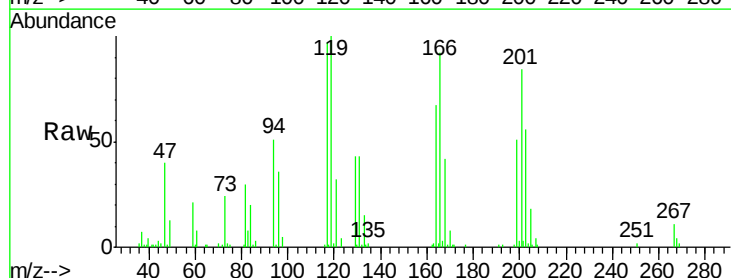
Acq: 18 Apr 2019 15:45

Tgt Ion: 117 Resp: 44135

Ion Ratio Lower Upper

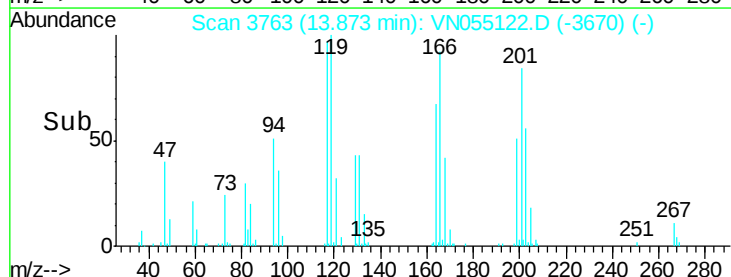
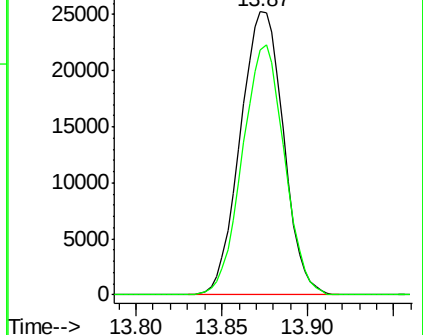
117 100

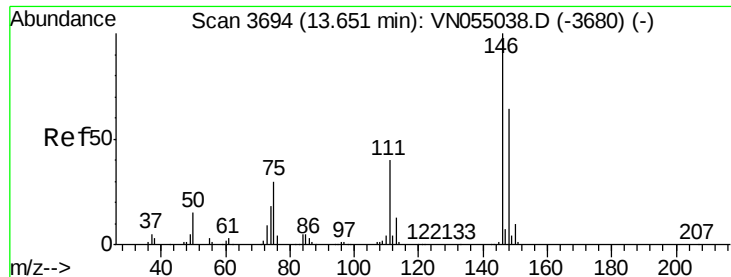
201 85.7 43.4 130.2



Abundance Ion 116.80 (116.50 to 117.50): VN055122.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055122.D (-3763) (-)





#91

1,2-Dichlorobenzene

Concen: 19.425 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

ClientSampleId :

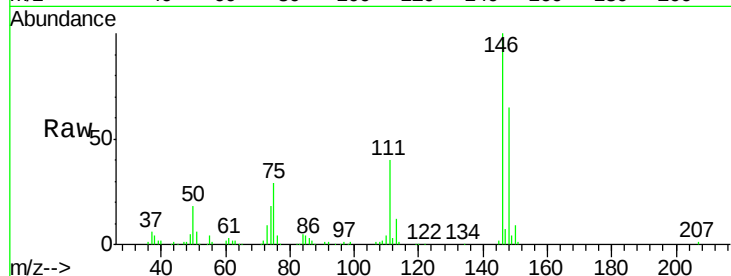
Tot Ion:146 Resp: 142021

Ion Ratio Lower Upper

146 100

111 40.3 20.3 60.9

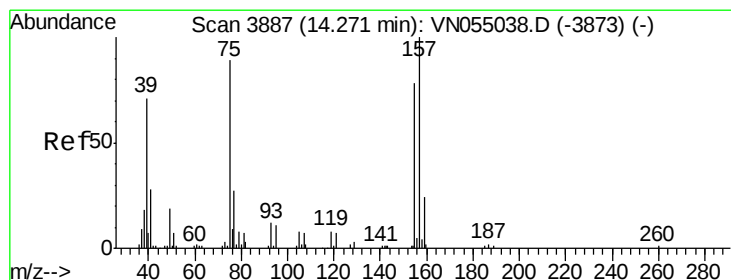
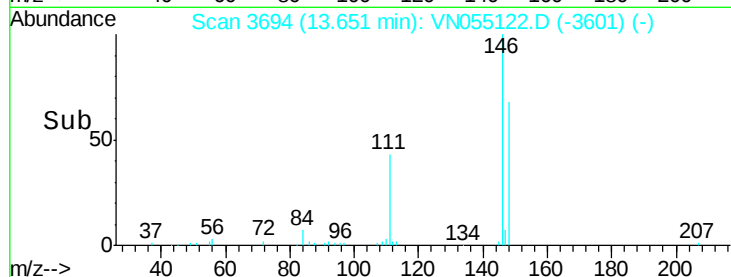
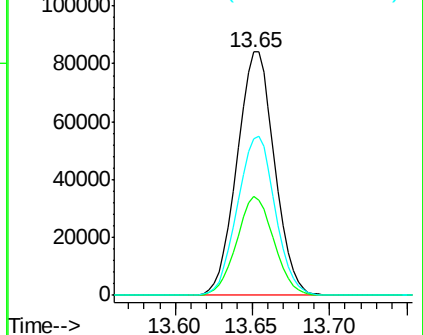
148 65.8 32.2 96.6



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: 21.091 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

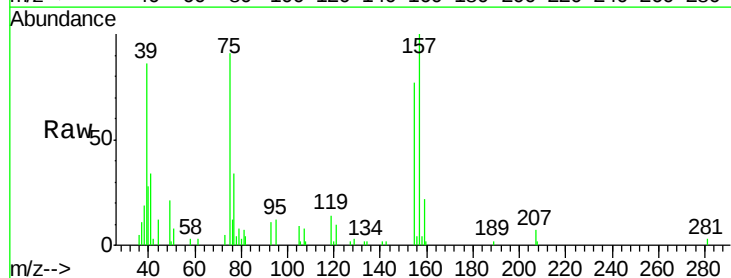
Tgt Ion: 75 Resp: 13327

Ion Ratio Lower Upper

75 100

155 80.8 42.0 126.0

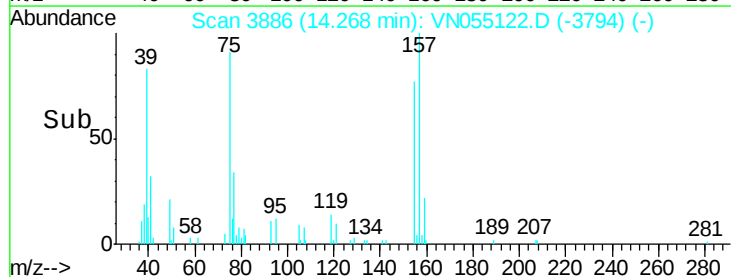
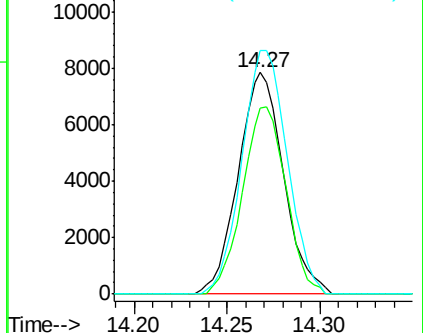
157 109.9 52.1 156.4

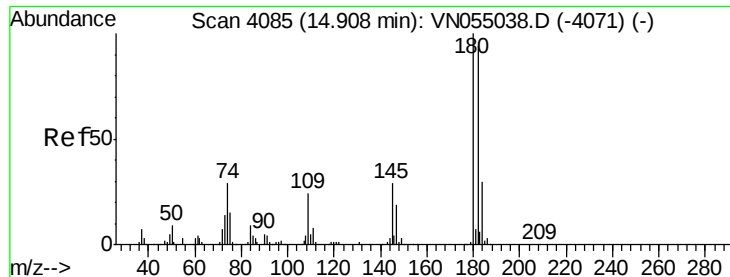


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

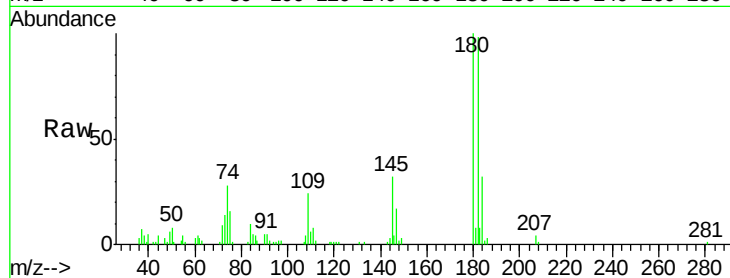




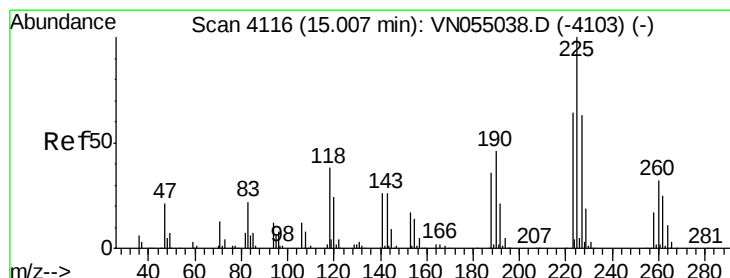
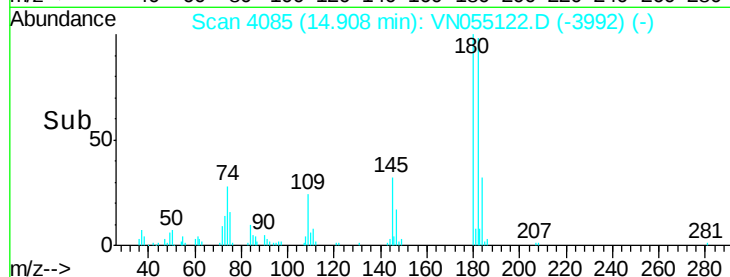
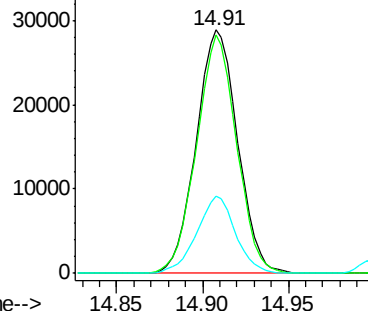
#93
 1,2,4-Trichlorobenzene
 Concen: 16.430 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.6
145	29.6	14.2	42.8

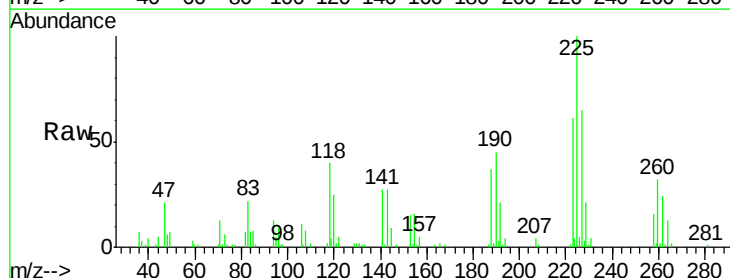


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

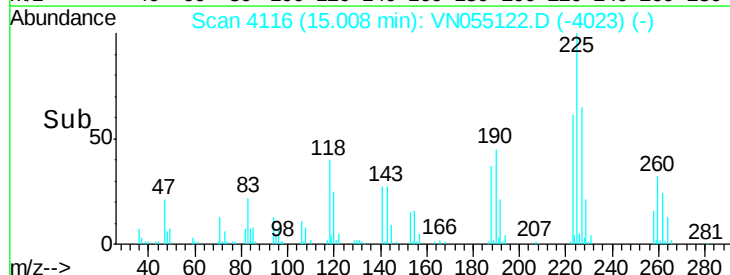
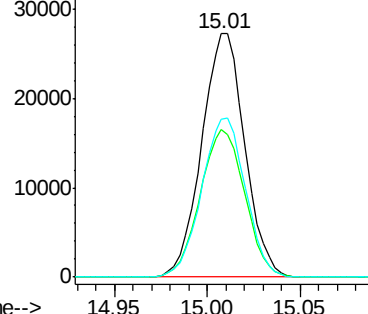


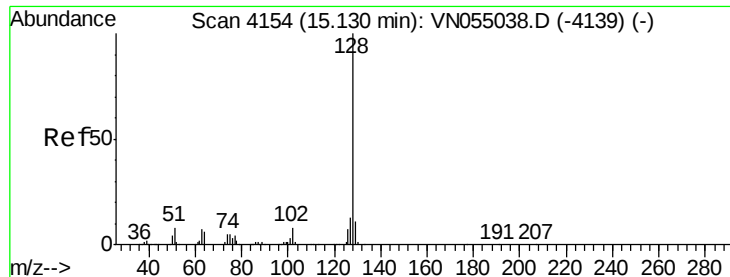
#94
 Hexachlorobutadiene
 Concen: 19.404 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055122.D
 Acq: 18 Apr 2019 15:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.4	94.0
227	66.3	32.6	97.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.737 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

Instrument :

MSVOA_N

ClientSampleId :

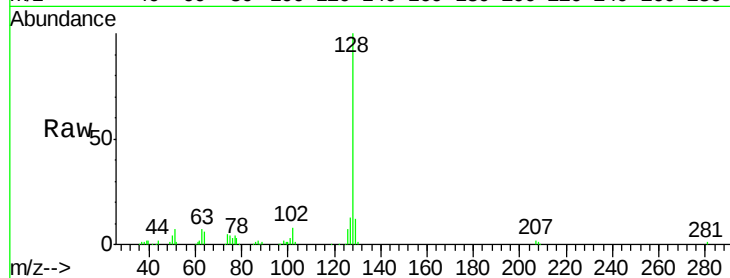
Tot Ion:128 Resp: 112845

Ion Ratio Lower Upper

128 100

127 12.1 10.1 15.1

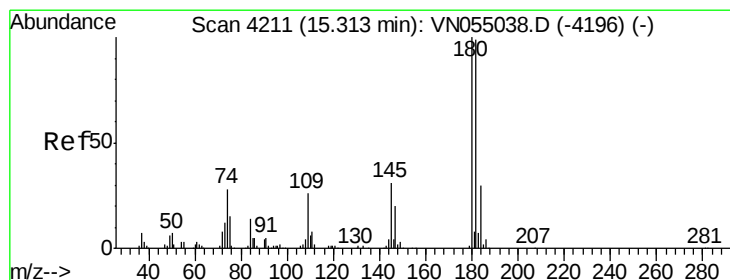
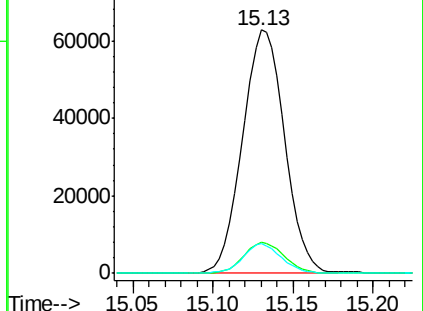
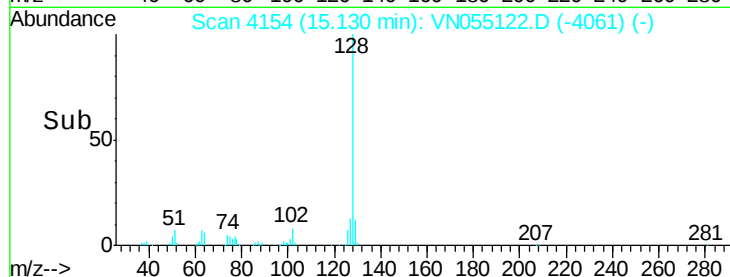
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.963 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055122.D

Acq: 18 Apr 2019 15:45

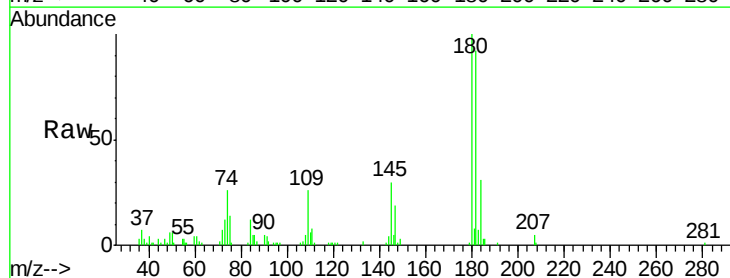
Tgt Ion:180 Resp: 53485

Ion Ratio Lower Upper

180 100

182 93.8 48.0 144.0

145 30.1 15.3 45.9



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

