

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054111.D
 Acq On : 6 Mar 2019 10:35
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 07 05:56:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 05:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	614158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	985115	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	830513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	323166	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	35872	4.86	ug/l	0.00
Spiked Amount			Recovery	=	9.72%	
35) Dibromofluoromethane	7.59	113	31770	4.97	ug/l	0.00
Spiked Amount			Recovery	=	9.94%	
50) Toluene-d8	10.09	98	113118	4.66	ug/l	0.00
Spiked Amount			Recovery	=	9.32%	
62) 4-Bromofluorobenzene	12.40	95	34847	4.41	ug/l	0.00
Spiked Amount			Recovery	=	8.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	32862	5.567	ug/l	99
3) Chloromethane	2.05	50	44673	5.282	ug/l	96
4) Vinyl Chloride	2.18	62	42049	5.258	ug/l	100
5) Bromomethane	2.57	94	25058	4.832	ug/l	90
6) Chloroethane	2.70	64	25431	5.246	ug/l	96
7) Trichlorofluoromethane	3.02	101	53145	5.439	ug/l	100
8) Diethyl Ether	3.41	74	18994	4.879	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	34253	5.389	ug/l	99
10) Methyl Iodide	3.95	142	28344	4.202	ug/l	98
11) Tert butyl alcohol	4.78	59	10608	23.640	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	30614	5.163	ug/l	96
13) Acrolein	3.61	56	9961	25.241	ug/l	97
14) Allyl chloride	4.32	41	52867	4.948	ug/l	99
15) Acrylonitrile	4.99	53	56949	22.484	ug/l	97
16) Acetone	3.81	43	55794	24.450	ug/l	98
17) Carbon Disulfide	4.05	76	98350	5.085	ug/l	98
18) Methyl Acetate	4.33	43	26301	4.521	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	75518	4.538	ug/l	100
20) Methylene Chloride	4.55	84	37995	5.240	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	33715	5.179	ug/l	89
22) Diisopropyl ether	5.95	45	95896	4.607	ug/l	95
23) Vinyl Acetate	5.90	43	320371	21.665	ug/l	99
24) 1,1-Dichloroethane	5.85	63	64381	5.169	ug/l	99
25) 2-Butanone	6.84	43	71246	23.572	ug/l	100
26) 2,2-Dichloropropane	6.82	77	45660	5.086	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	37169	5.121	ug/l	96
28) Bromochloromethane	7.19	49	30315	4.877	ug/l	100
29) Tetrahydrofuran	7.21	42	40465	20.426	ug/l	97
30) Chloroform	7.37	83	61792	5.178	ug/l	100
31) Cyclohexane	7.65	56	66232	4.898	ug/l #	78
32) 1,1,1-Trichloroethane	7.57	97	51942	5.250	ug/l	97
36) 1,1-Dichloropropene	7.79	75	47186	5.103	ug/l	98
37) Ethyl Acetate	6.93	43	28954	4.368	ug/l #	92
38) Carbon Tetrachloride	7.77	117	45481	5.152	ug/l	97

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 Data File : VN054111.D
 Acq On : 6 Mar 2019 10:35
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 07 05:56:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 05:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	53151	4.981	ug/l	97
40) Benzene	8.04	78	141733	5.181	ug/l	96
41) Methacrylonitrile	7.17	41	15538	3.856	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	45490	5.250	ug/l	100
43) Isopropyl Acetate	8.17	43	52064	5.053	ug/l #	84
44) Trichloroethene	8.83	130	38824	5.293	ug/l	92
45) 1,2-Dichloropropane	9.12	63	38100	5.049	ug/l	98
46) Dibromomethane	9.21	93	22227	5.160	ug/l	97
47) Bromodichloromethane	9.40	83	46512	5.158	ug/l	99
48) Methyl methacrylate	9.20	41	21149	4.157	ug/l	91
49) 1,4-Dioxane	9.20	88	6882	102.361	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	122312	20.720	ug/l	99
52) Toluene	10.16	92	79019	4.876	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	39925	4.489	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	49144	4.675	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	30479	4.994	ug/l	96
56) Ethyl methacrylate	10.43	69	28985	4.046	ug/l	95
57) 1,3-Dichloropropane	10.71	76	51750	4.970	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	60941	18.584	ug/l	98
59) 2-Hexanone	10.75	43	81846	21.017	ug/l	97
60) Dibromochloromethane	10.90	129	31362	4.806	ug/l	96
61) 1,2-Dibromoethane	11.01	107	26920	4.636	ug/l	96
64) Tetrachloroethene	10.63	164	38962	5.716	ug/l	95
65) Chlorobenzene	11.43	112	87706	5.075	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	30784	4.976	ug/l	99
67) Ethyl Benzene	11.51	91	141839	4.904	ug/l	98
68) m/p-Xylenes	11.62	106	103857	9.516	ug/l	98
69) o-Xylene	11.95	106	50924	4.849	ug/l	97
70) Styrene	11.96	104	75481	4.528	ug/l	98
71) Bromoform	12.13	173	20756	4.875	ug/l #	98
73) Isopropylbenzene	12.25	105	138066	5.369	ug/l	99
74) N-amyl acetate	12.07	43	30194	4.434	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	32226	4.815	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	39054	7.729	ug/l #	100
77) Bromobenzene	12.53	156	31999	4.830	ug/l	94
78) n-propylbenzene	12.59	91	148186	5.121	ug/l	99
79) 2-Chlorotoluene	12.67	91	91795	5.223	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	108565	5.194	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	7107	4.432	ug/l	87
82) 4-Chlorotoluene	12.77	91	89168	5.090	ug/l	99
83) tert-Butylbenzene	12.99	119	97459	5.265	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	106044	5.111	ug/l	99
85) sec-Butylbenzene	13.17	105	132285	5.266	ug/l	99
86) p-Isopropyltoluene	13.29	119	106359	5.036	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	57097	5.074	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	55408	4.961	ug/l	96
89) n-Butylbenzene	13.62	91	81502	4.571	ug/l	99
90) Hexachloroethane	13.87	117	21510	5.310	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	55481	4.953	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4289	4.571	ug/l	93

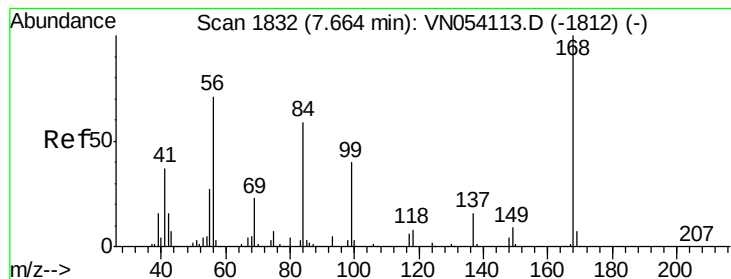
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
Data File : VN054111.D
Acq On : 6 Mar 2019 10:35
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Mar 07 05:56:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 05:44:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	17589	3.289	ug/l	99
94) Hexachlorobutadiene	15.01	225	22797	5.686	ug/l	96
95) Naphthalene	15.13	128	29974	2.718	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	18376	3.414	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

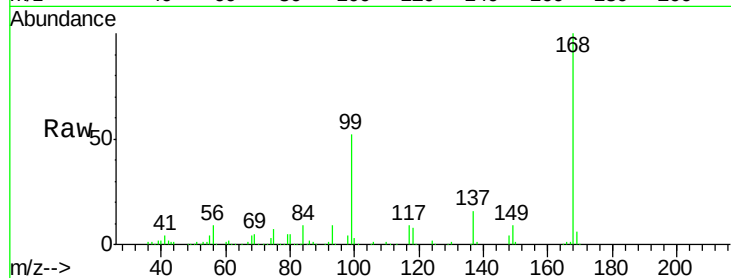
VSTDIC005

Tot Ion:168 Resp: 614158

Ion Ratio Lower Upper

168 100

99 51.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

150000

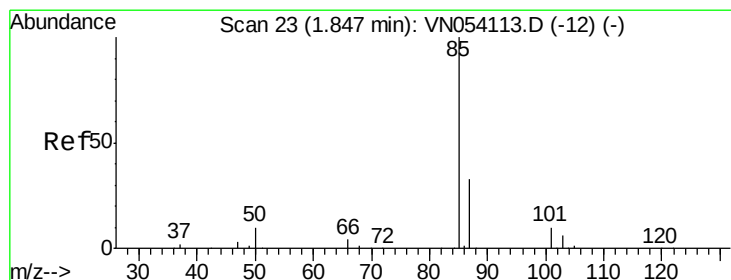
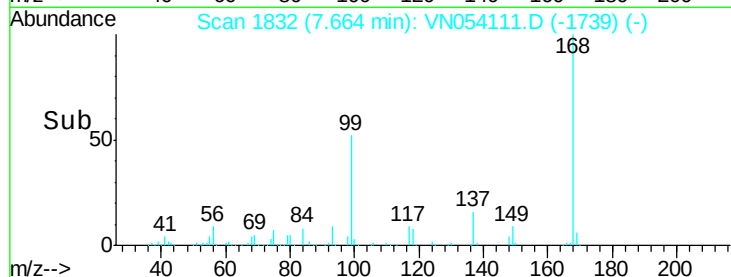
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 5.567 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN054111.D

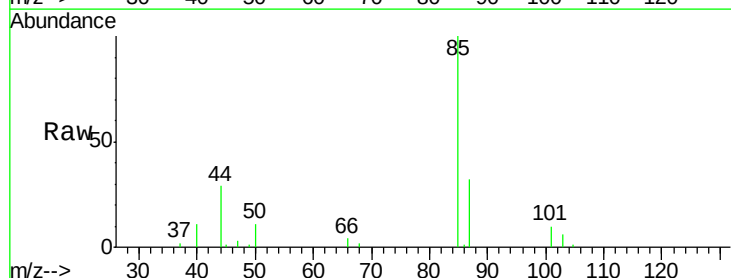
Acq: 6 Mar 2019 10:35

Tgt Ion: 85 Resp: 32862

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

25000

20000

15000

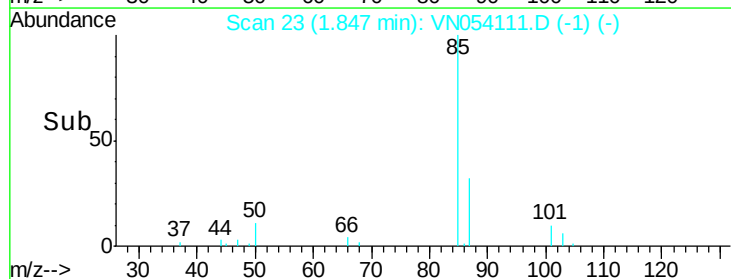
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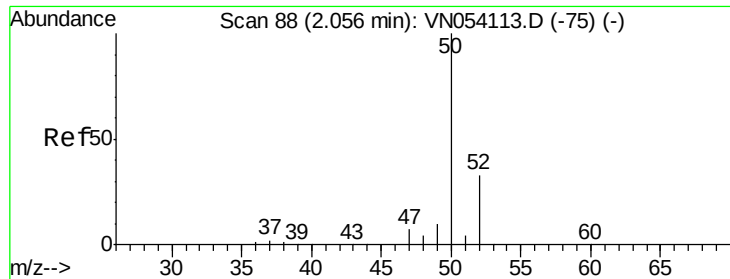
5000

0

Time-->

1.80 1.85 1.90





#3

Chloromethane

Concen: 5.282 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

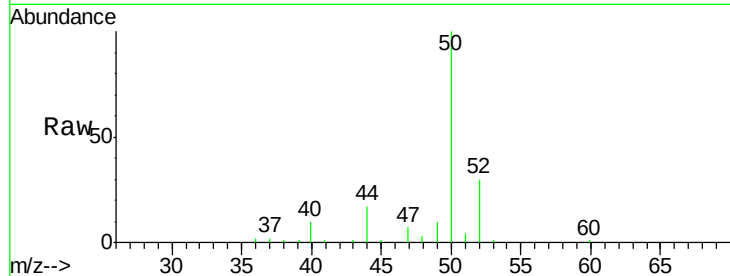
VSTDIC005

Tot Ion: 50 Resp: 44673

Ion Ratio Lower Upper

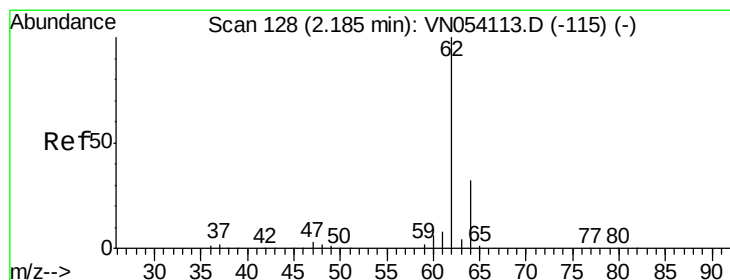
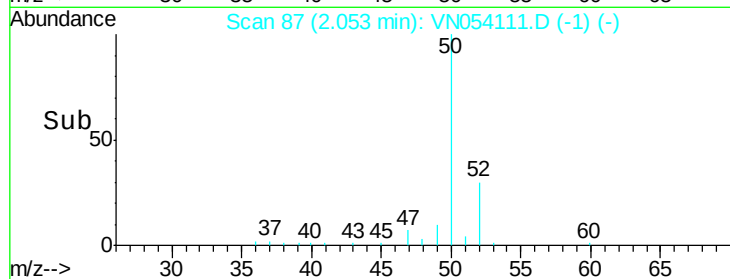
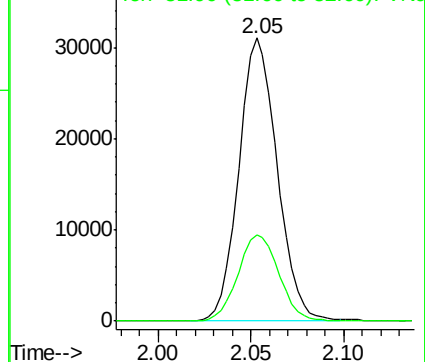
50 100

52 30.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 5.258 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN054111.D

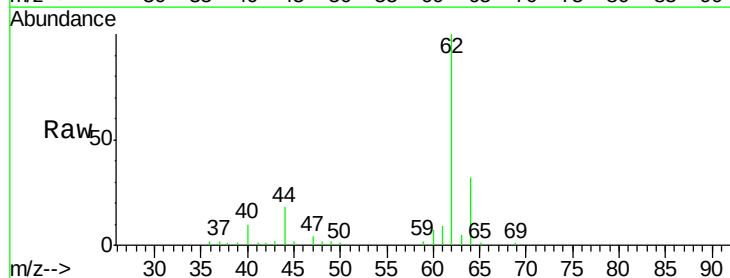
Acq: 6 Mar 2019 10:35

Tgt Ion: 62 Resp: 42049

Ion Ratio Lower Upper

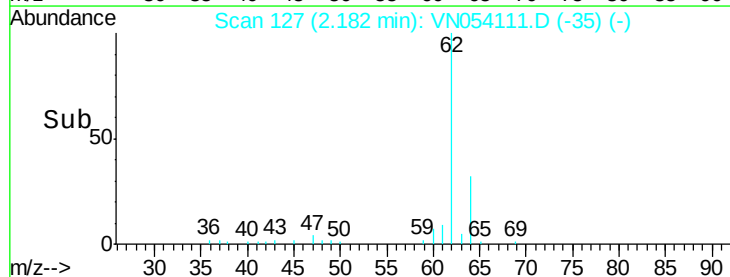
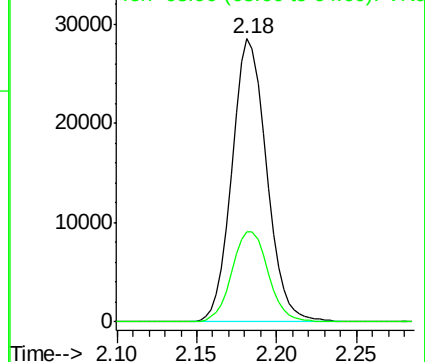
62 100

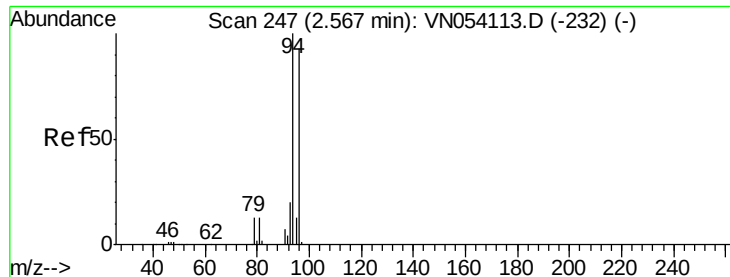
64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 4.832 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

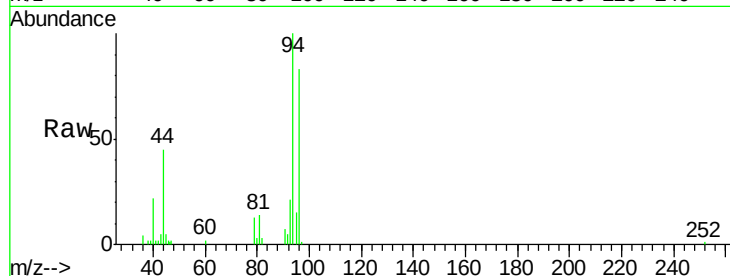
VSTDIC005

Tot Ion: 94 Resp: 25058

Ion Ratio Lower Upper

94 100

96 82.9 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN054111.D (-154) (-)

Ion 95.90 (95.60 to 96.60): VN054111.D (-154) (-)

2.57

15000

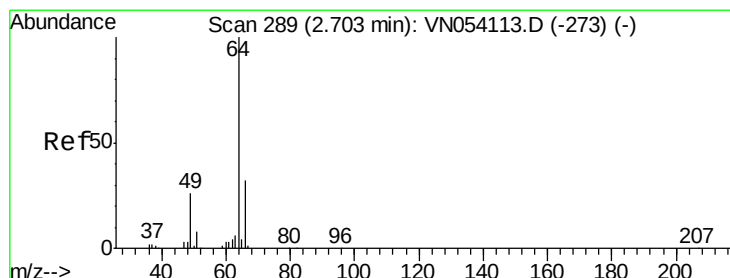
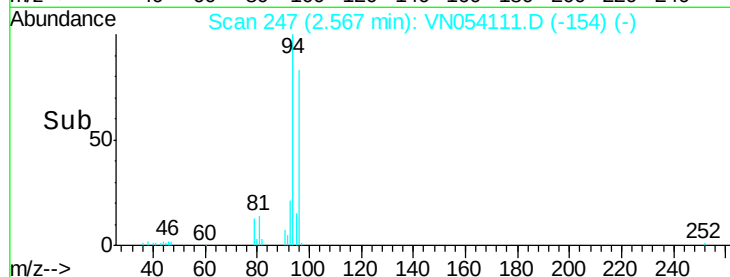
10000

5000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 5.246 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN054111.D

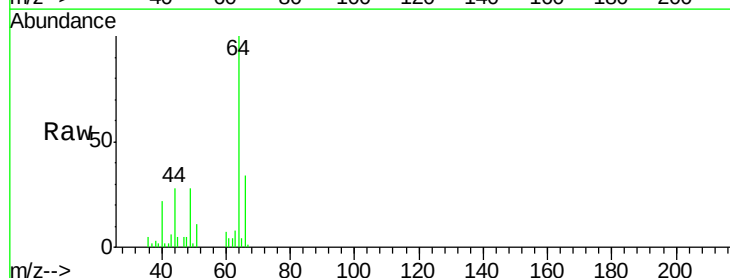
Acq: 6 Mar 2019 10:35

Tgt Ion: 64 Resp: 25431

Ion Ratio Lower Upper

64 100

66 34.2 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN054111.D (-196) (-)

Ion 65.90 (65.60 to 66.60): VN054111.D (-196) (-)

2.70

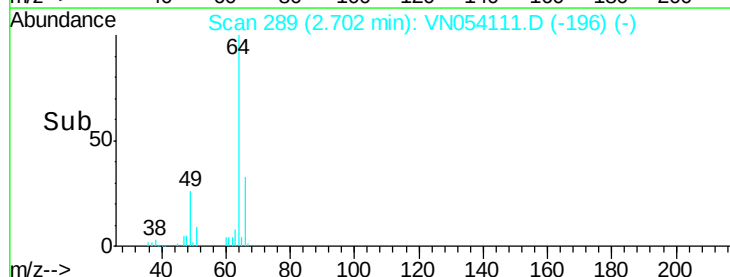
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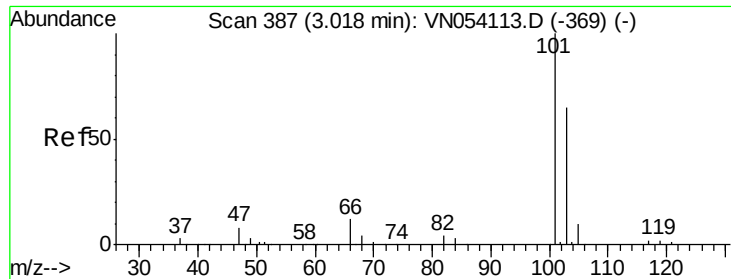
5000

0

Time-->

2.65 2.70 2.75 2.80



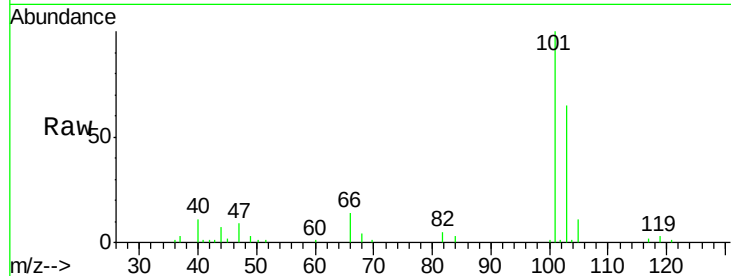


#7

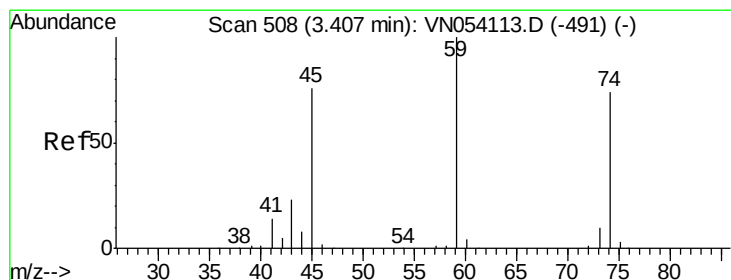
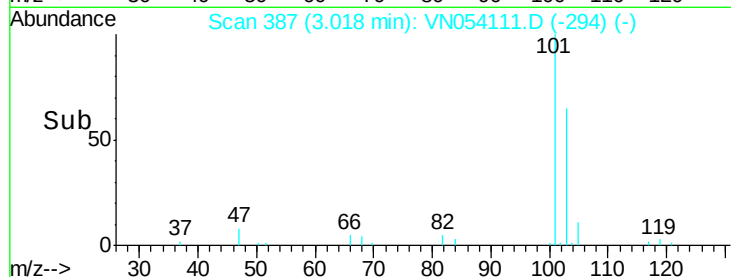
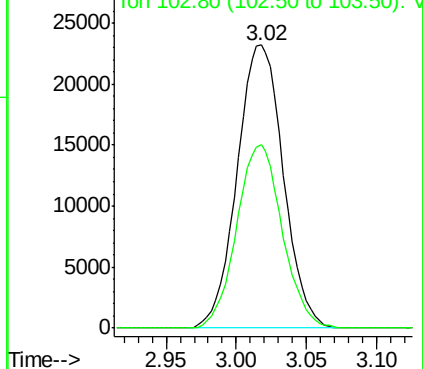
Trichlorofluoromethane
 Concen: 5.439 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion:101 Resp: 53145
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.0 78.0



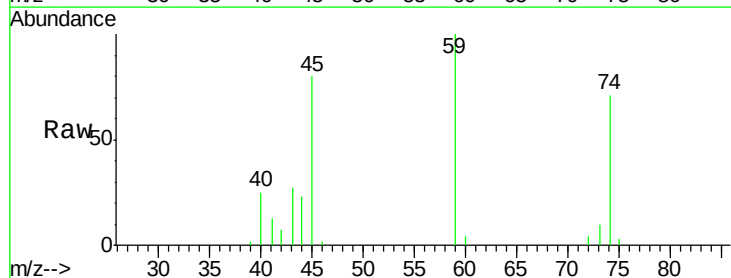
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



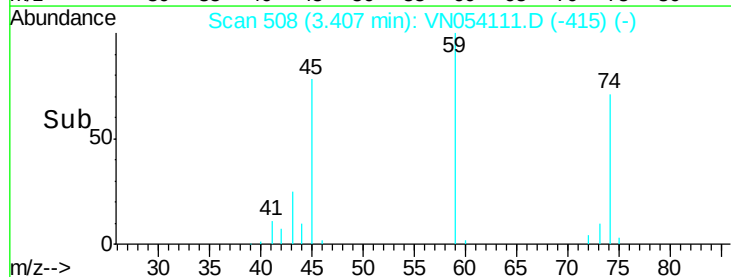
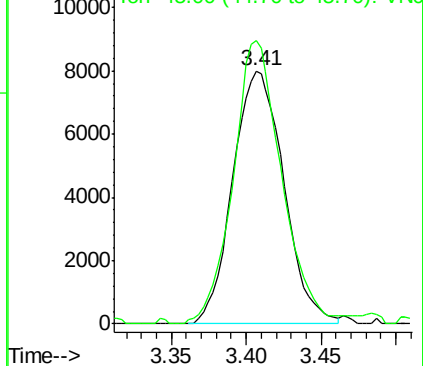
#8

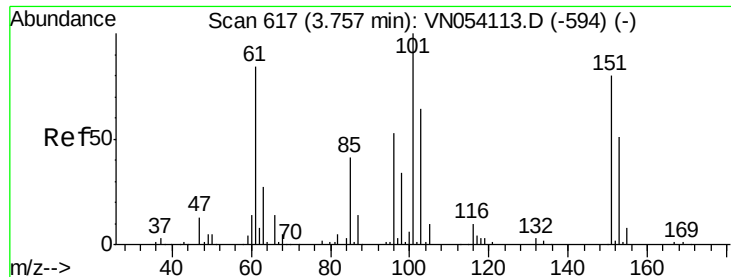
Diethyl Ether
 Concen: 4.879 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

Tgt Ion: 74 Resp: 18994
 Ion Ratio Lower Upper
 74 100
 45 106.0 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.389 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

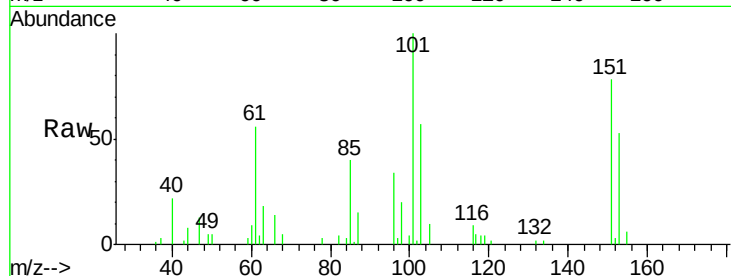
Tot Ion:101 Resp: 34253

Ion Ratio Lower Upper

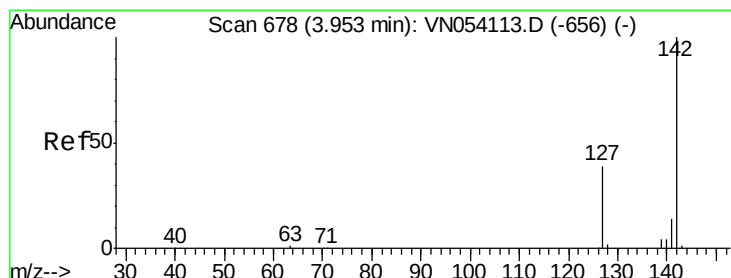
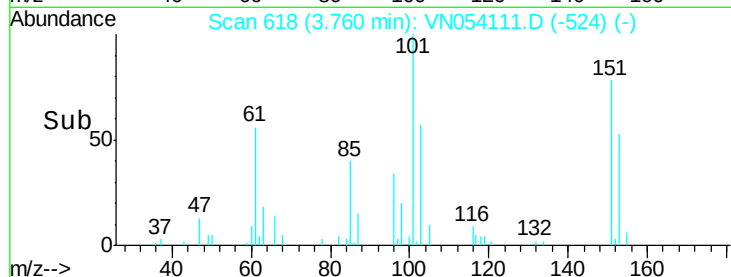
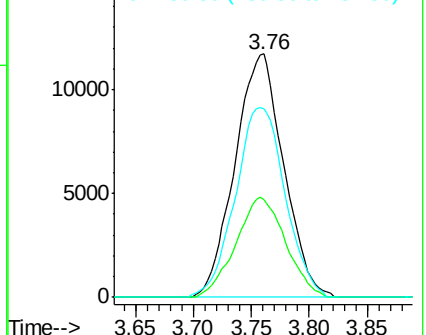
101 100

85 41.8 33.1 49.7

151 79.7 64.3 96.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.202 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

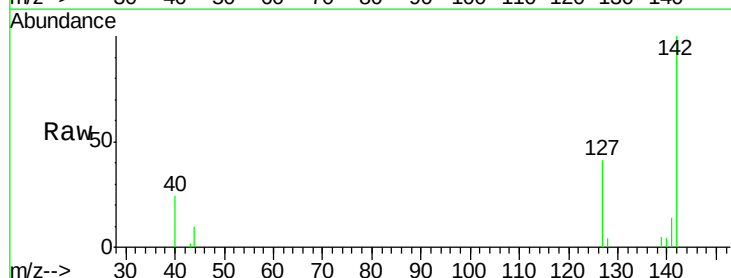
Tgt Ion:142 Resp: 28344

Ion Ratio Lower Upper

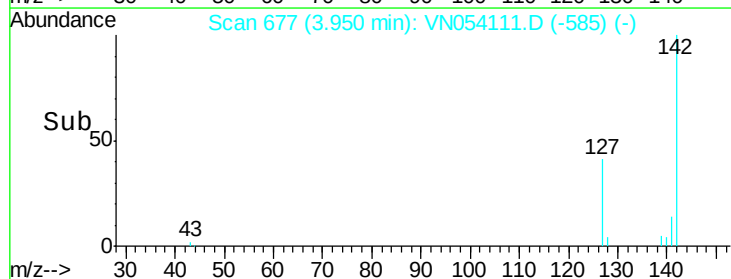
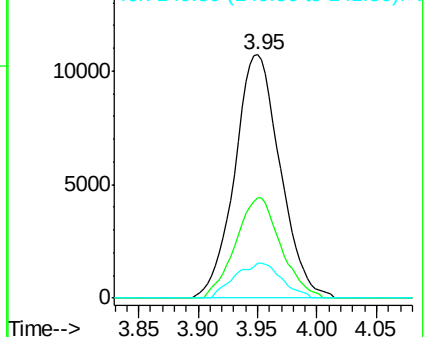
142 100

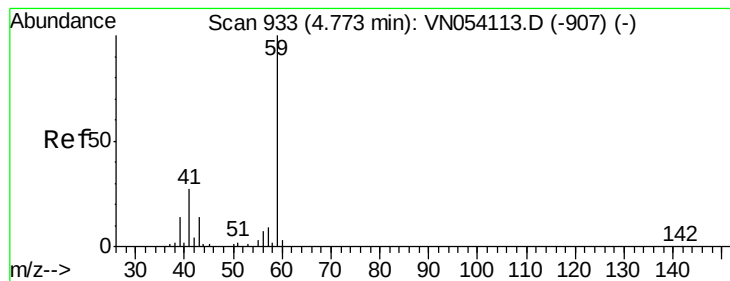
127 40.8 31.9 47.9

141 14.8 11.4 17.0



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



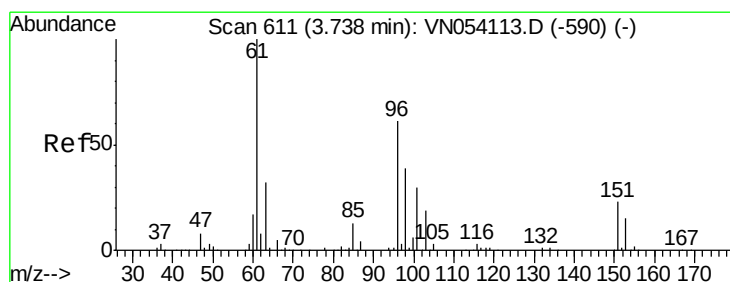
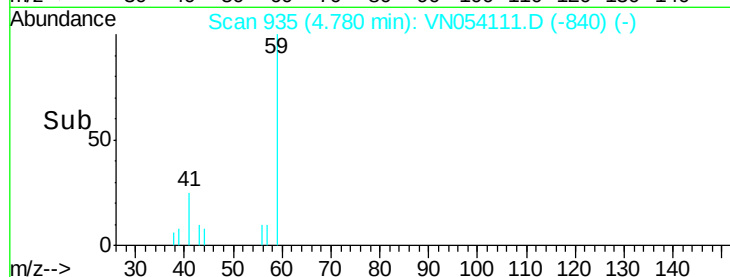
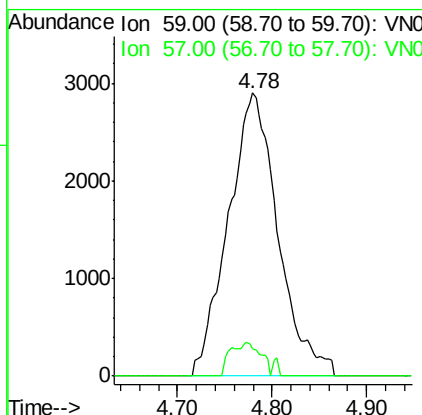
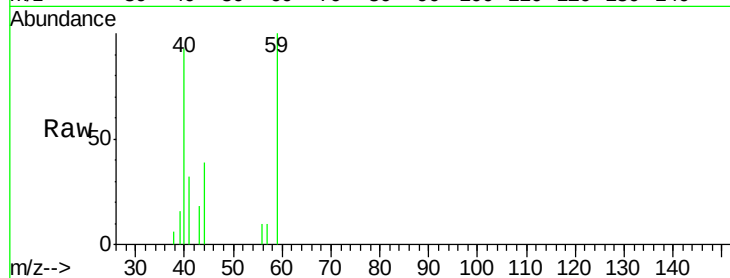


#11

Tert butyl alcohol
 Concen: 23.640 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

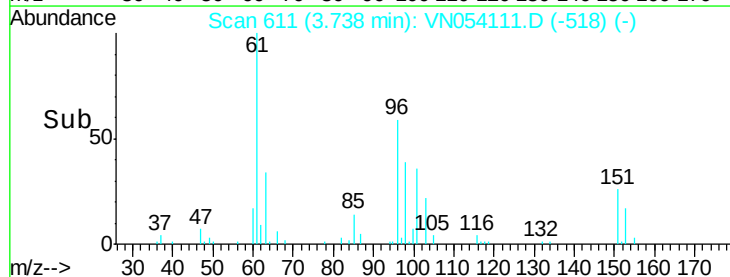
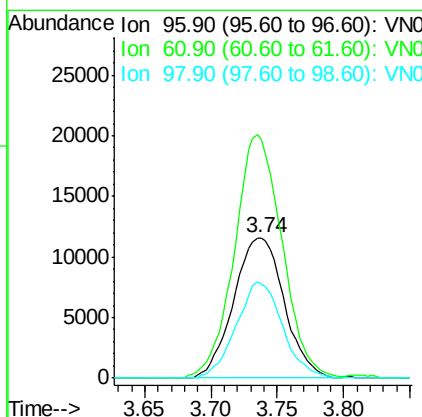
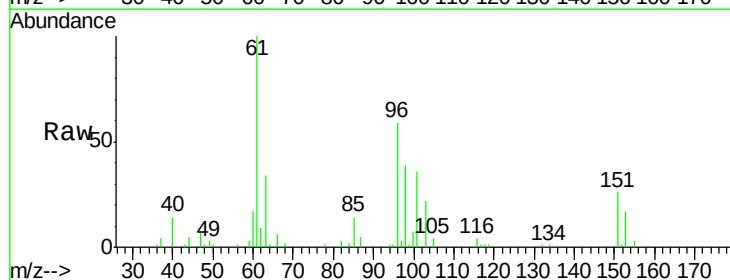
Tot Ion: 59 Resp: 10608
 Ion Ratio Lower Upper
 59 100
 57 7.2 8.2 12.4#

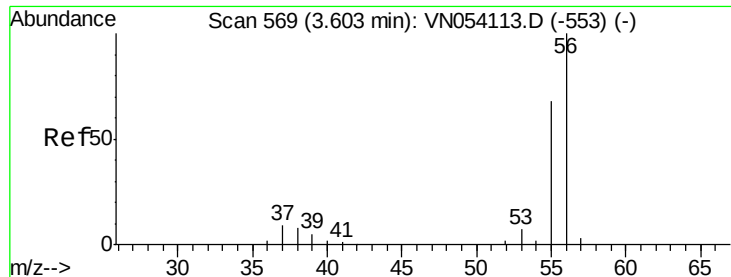


#12

1,1-Dichloroethene
 Concen: 5.163 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

Tgt Ion: 96 Resp: 30614
 Ion Ratio Lower Upper
 96 100
 61 168.3 131.2 196.8
 98 67.0 50.7 76.1





#13

Acrolein

Concen: 25.241 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

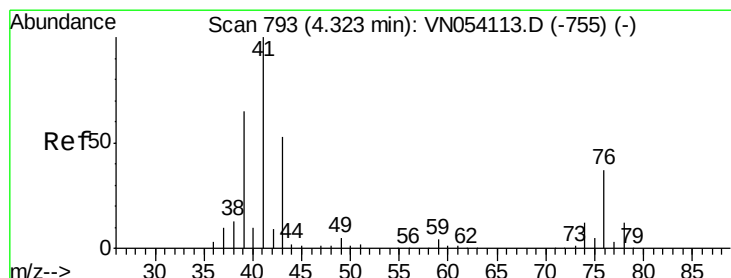
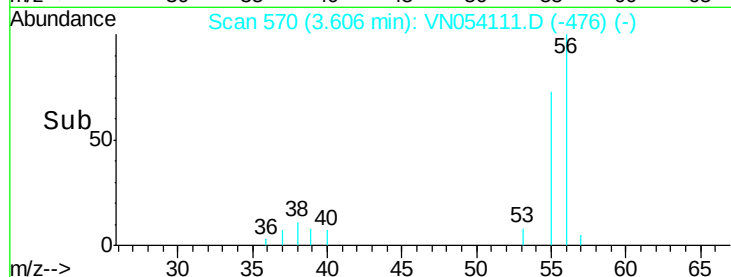
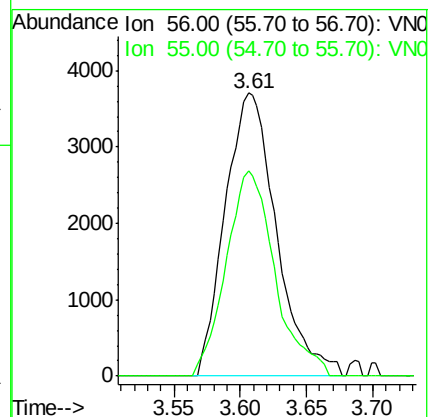
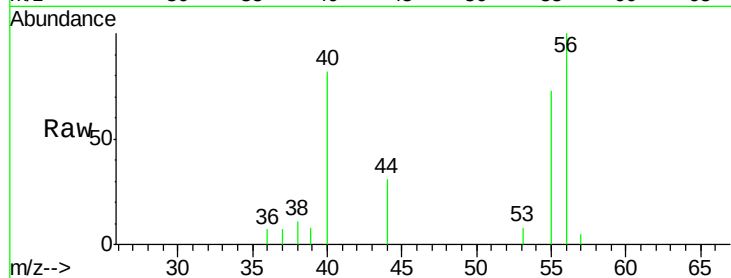
VSTDIC005

Tot Ion: 56 Resp: 9961

Ion Ratio Lower Upper

56 100

55 69.1 57.1 85.7



#14

Allyl chloride

Concen: 4.948 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

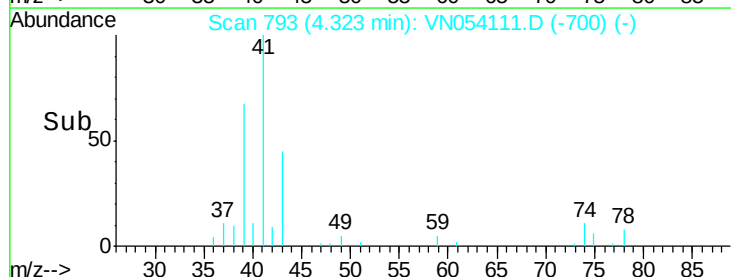
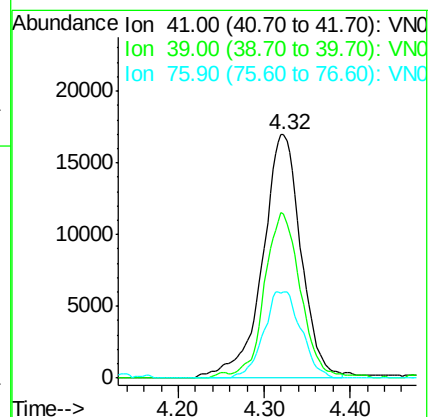
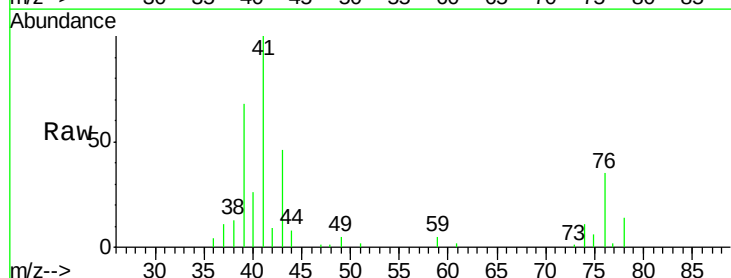
Tgt Ion: 41 Resp: 52867

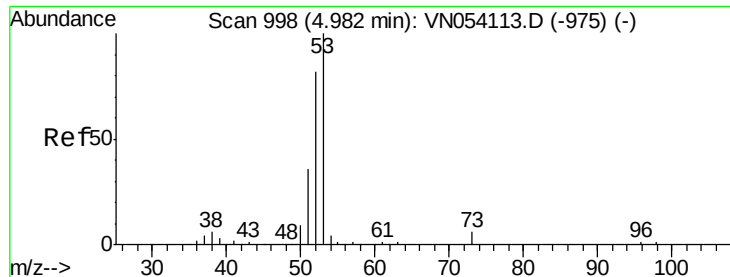
Ion Ratio Lower Upper

41 100

39 61.2 49.3 73.9

76 34.4 26.5 39.7





#15

Acrylonitrile

Concen: 22.484 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

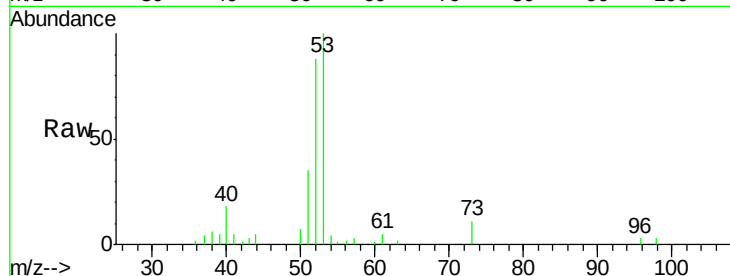
Tot Ion: 53 Resp: 56949

Ion Ratio Lower Upper

53 100

52 83.5 64.6 97.0

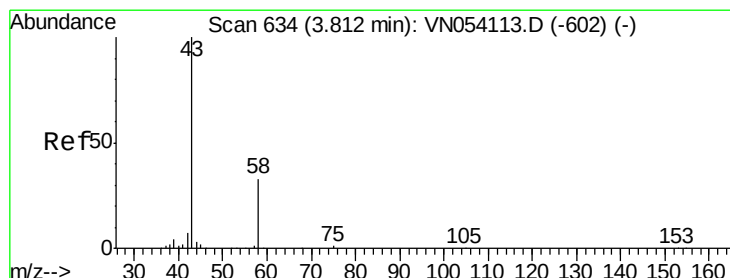
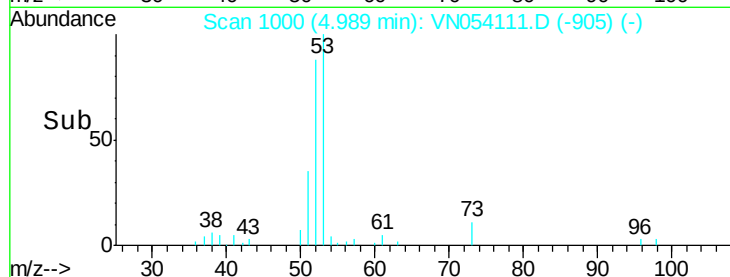
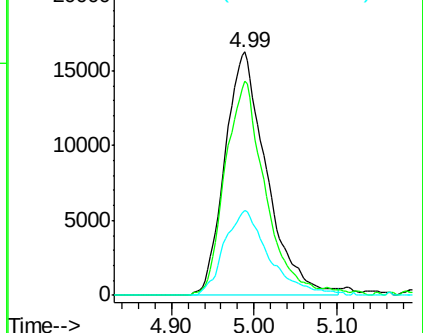
51 37.4 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 24.450 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054111.D

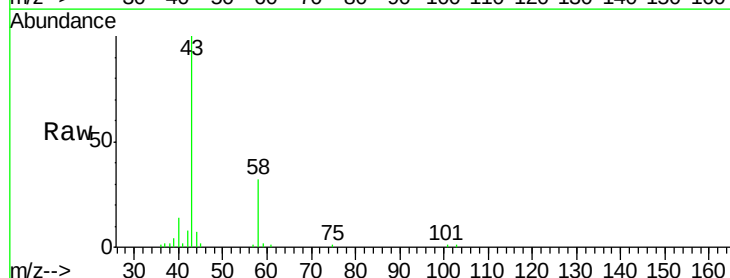
Acq: 6 Mar 2019 10:35

Tgt Ion: 43 Resp: 55794

Ion Ratio Lower Upper

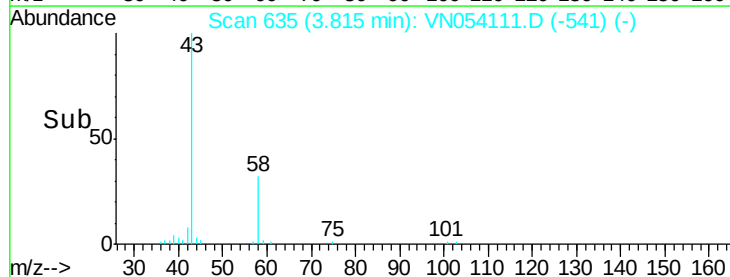
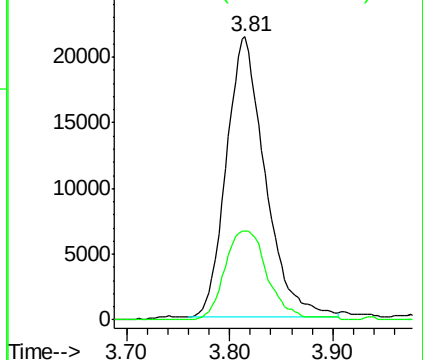
43 100

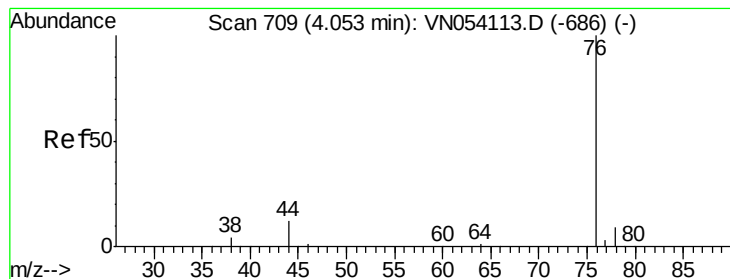
58 31.9 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 5.085 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

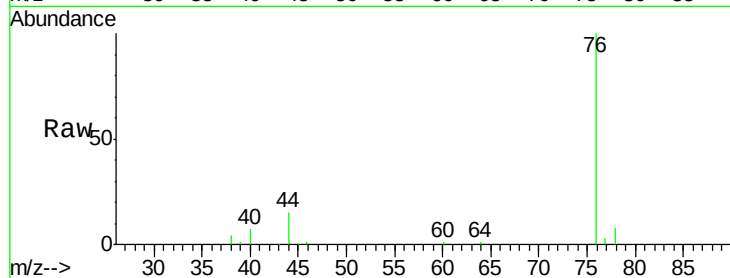
VSTDIC005

Tot Ion: 76 Resp: 98350

Ion Ratio Lower Upper

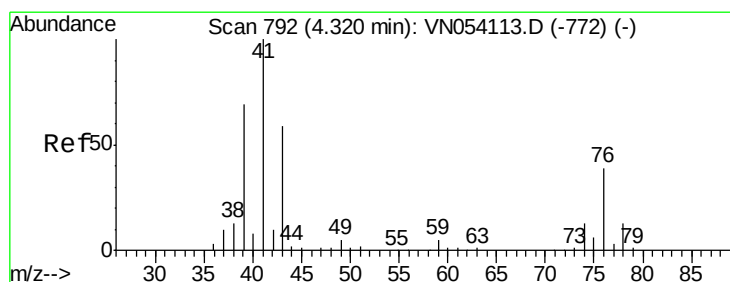
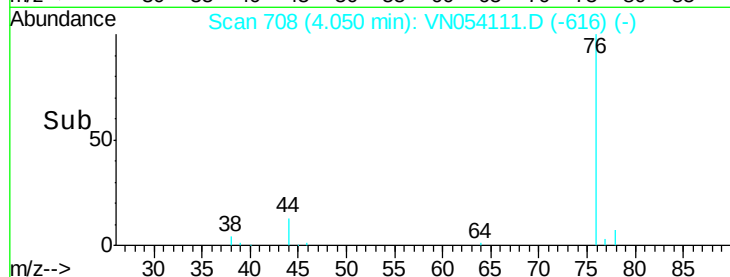
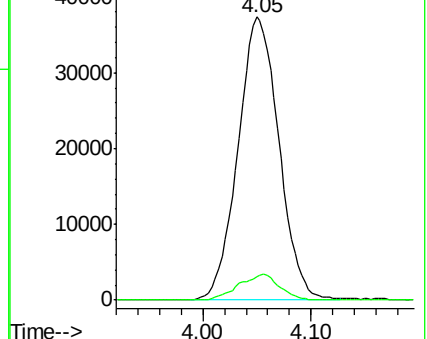
76 100

78 8.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 4.521 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN054111.D

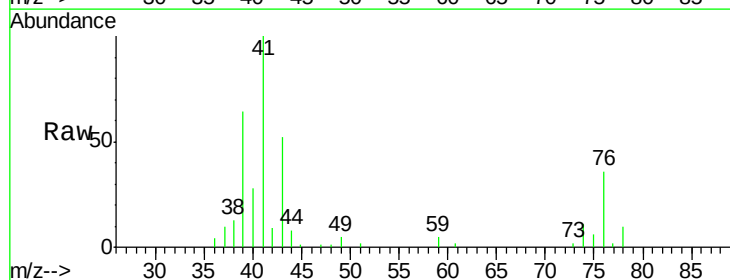
Acq: 6 Mar 2019 10:35

Tgt Ion: 43 Resp: 26301

Ion Ratio Lower Upper

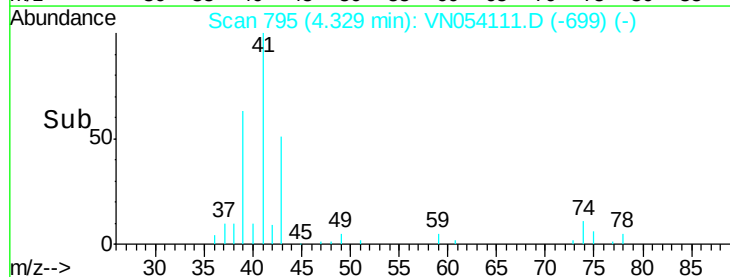
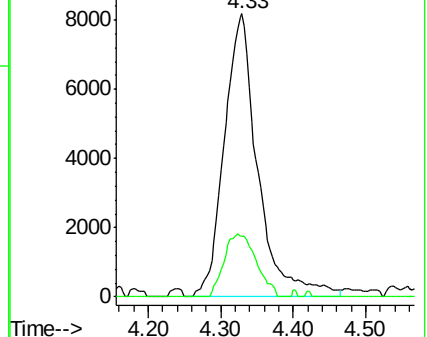
43 100

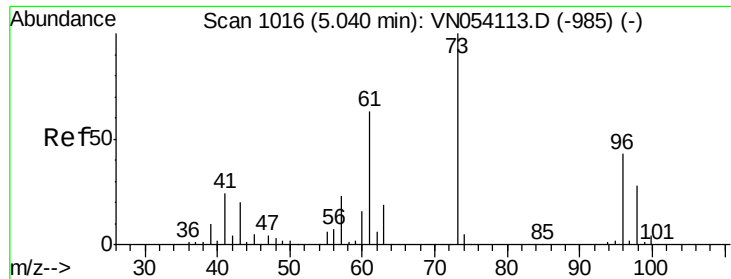
74 21.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

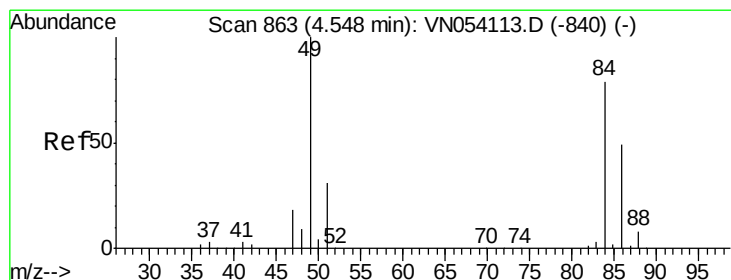
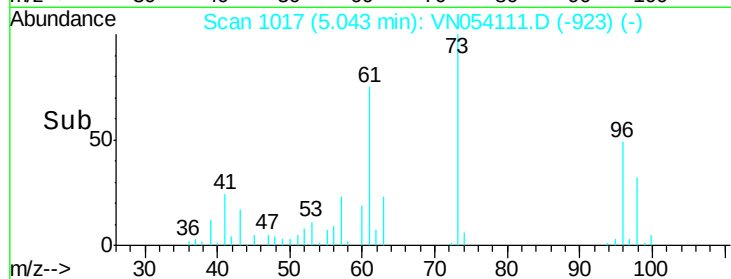
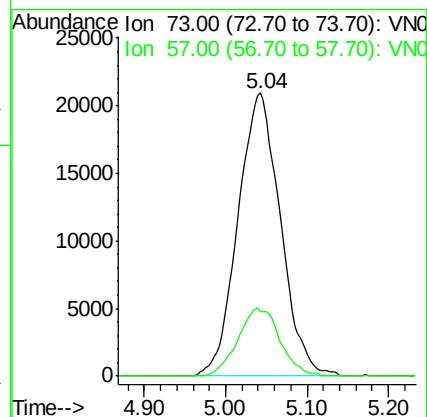
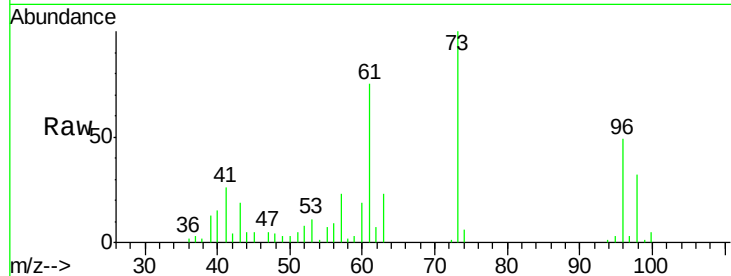




#19
Methvl tert-butvl Ether
Concen: 4.538 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

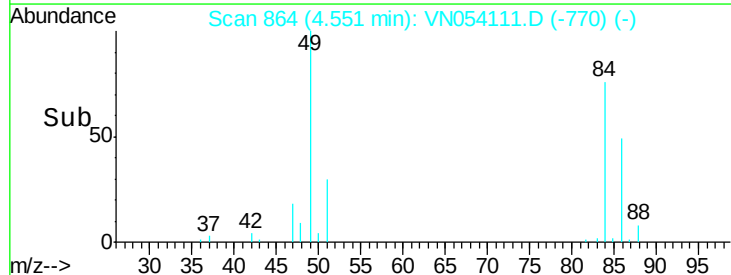
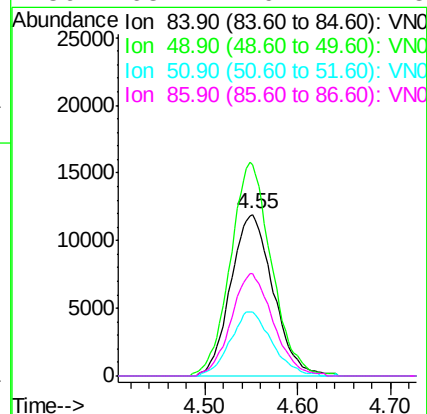
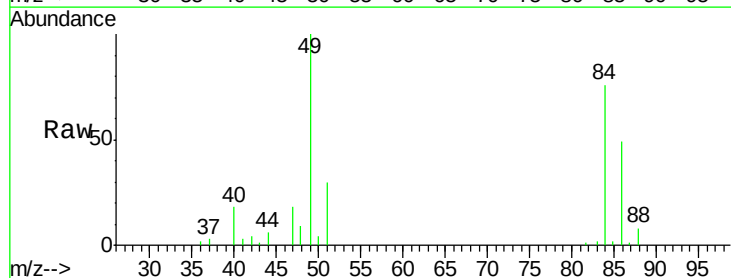
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

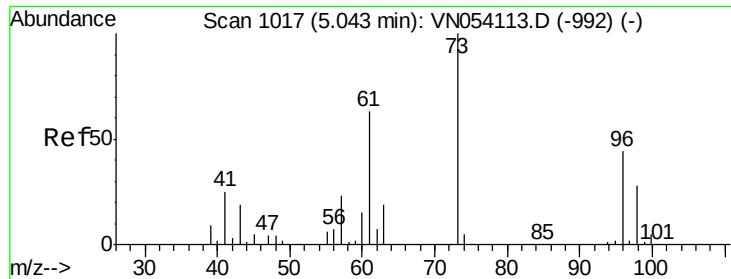
Tot Ion: 73 Resp: 75518
Ion Ratio Lower Upper
73 100
57 23.0 18.2 27.4



#20
Methylene Chloride
Concen: 5.240 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

Tgt Ion: 84 Resp: 37995
Ion Ratio Lower Upper
84 100
49 130.8 101.8 152.8
51 39.5 31.1 46.7
86 63.4 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 5.179 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.01 min

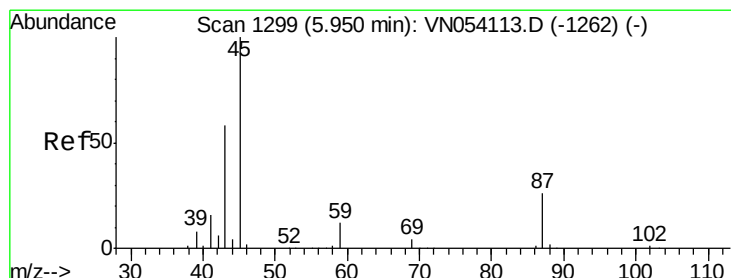
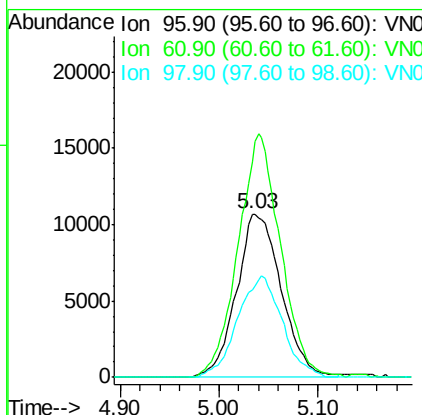
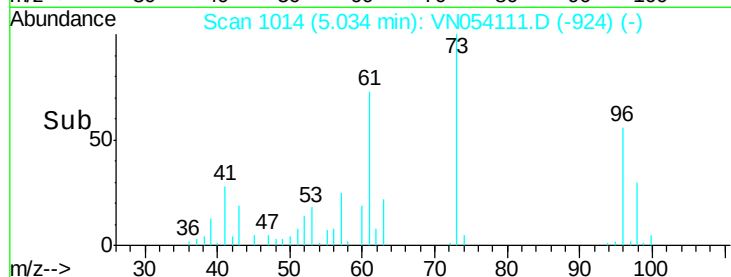
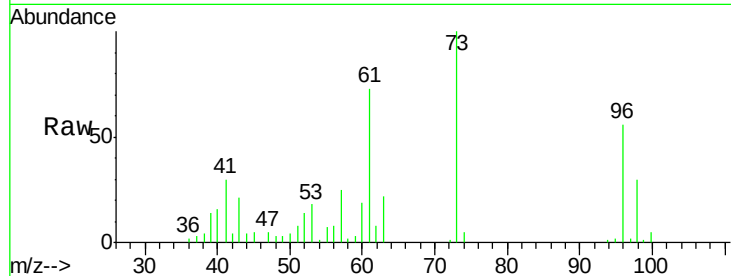
Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 96 Resp: 33715

Ion	Ratio	Lower	Upper
96	100		
61	132.2	114.8	172.2
98	53.5	51.4	77.0



#22

Diisopropyl ether

Concen: 4.607 ug/l

RT: 5.95 min Scan# 1300

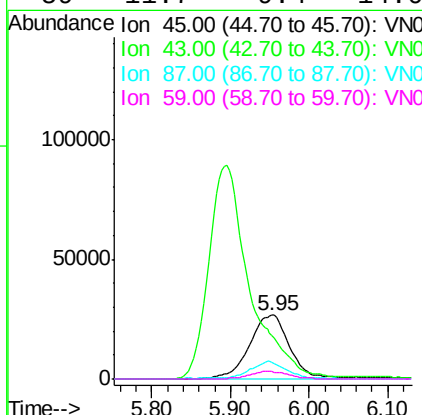
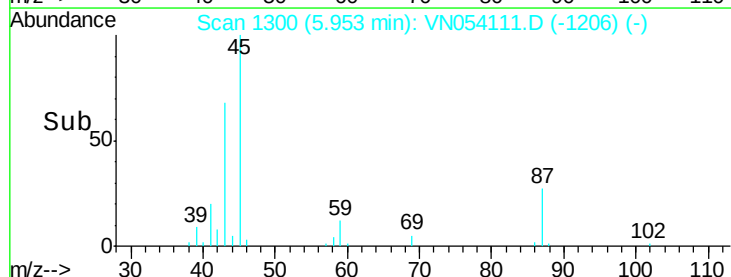
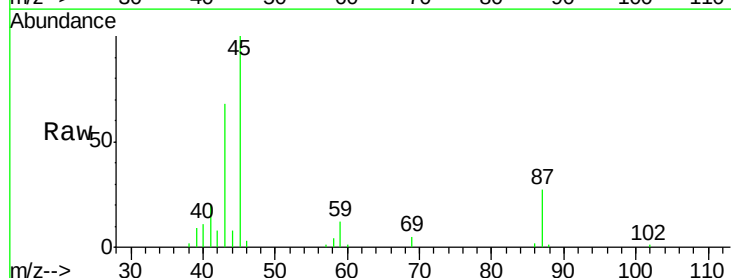
Delta R.T. 0.00 min

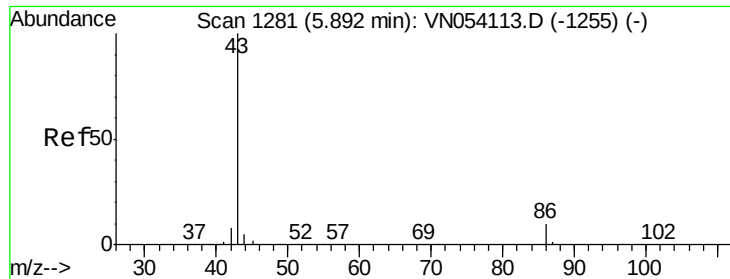
Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Tgt Ion: 45 Resp: 95896

Ion	Ratio	Lower	Upper
45	100		
43	63.3	46.2	69.4
87	26.1	20.6	31.0
59	11.7	9.4	14.0

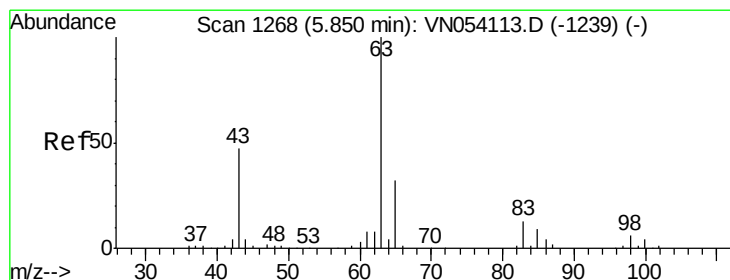
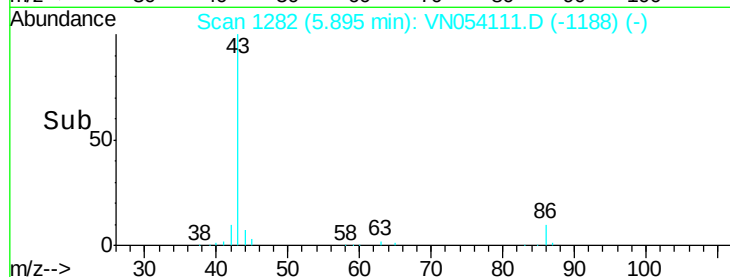
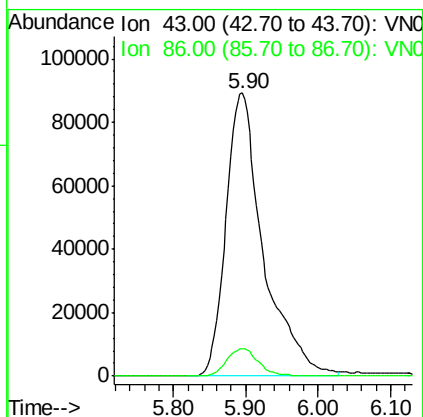
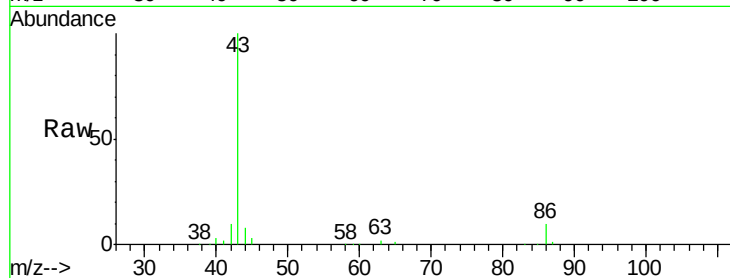




#23
 Vinyl Acetate
 Concen: 21.665 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

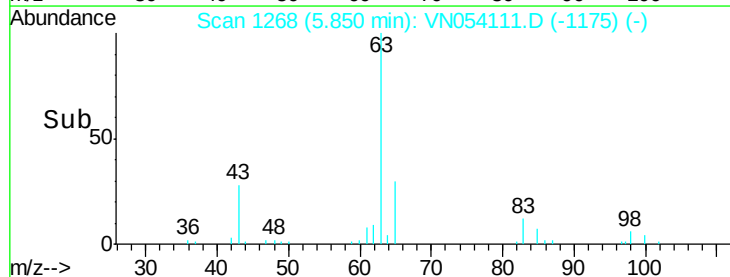
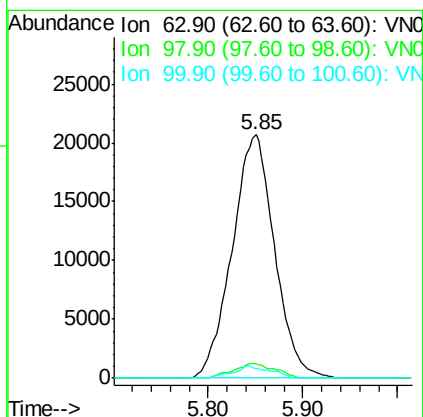
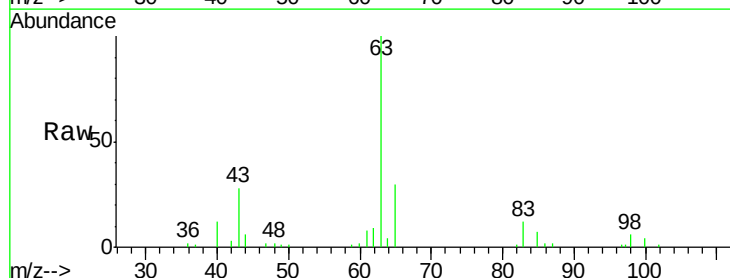
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

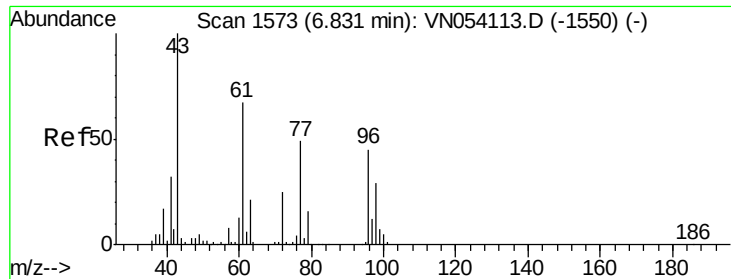
Tot Ion: 43 Resp: 320371
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 5.169 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

Tgt Ion: 63 Resp: 64381
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.1 9.4
 100 4.0 2.0 6.0

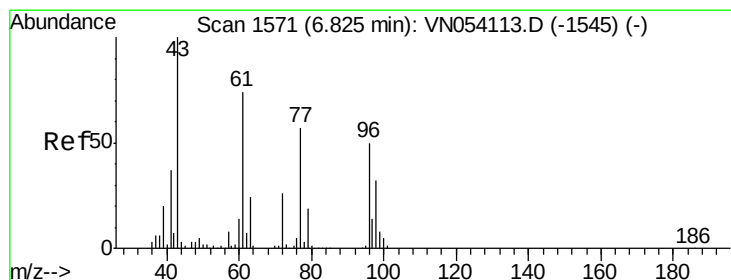
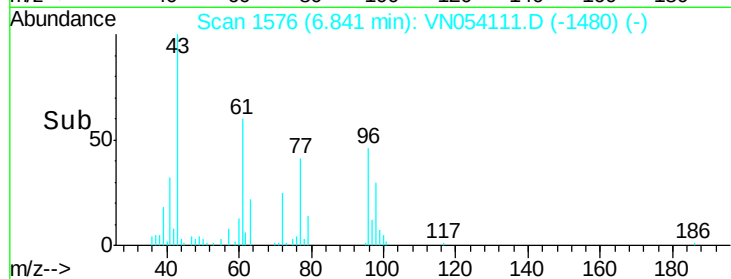
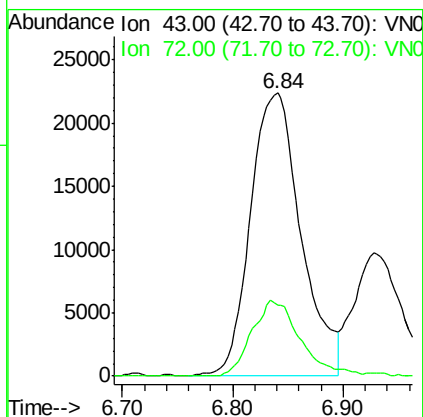
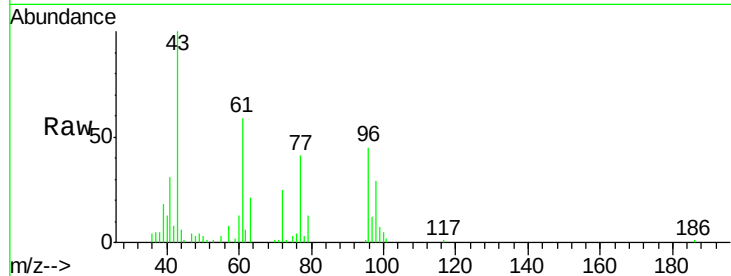




#25
2-Butanone
Concen: 23.572 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

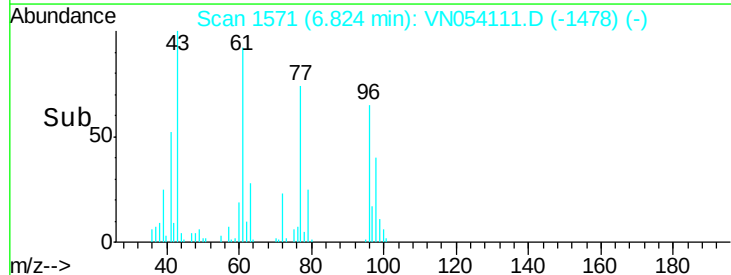
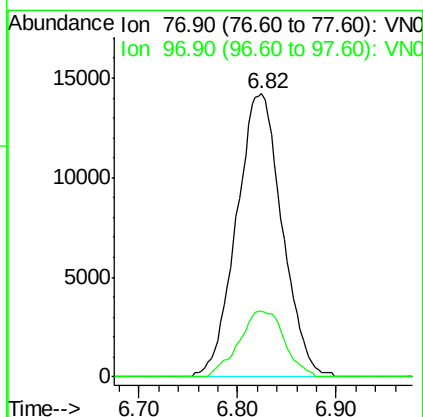
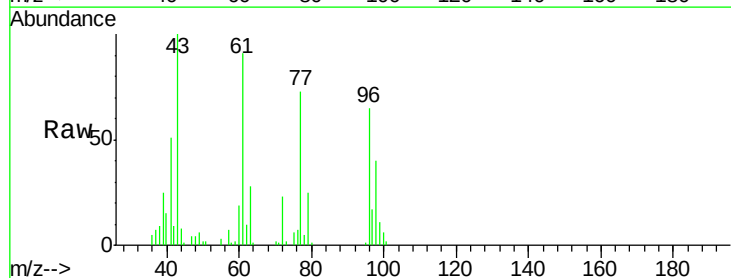
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

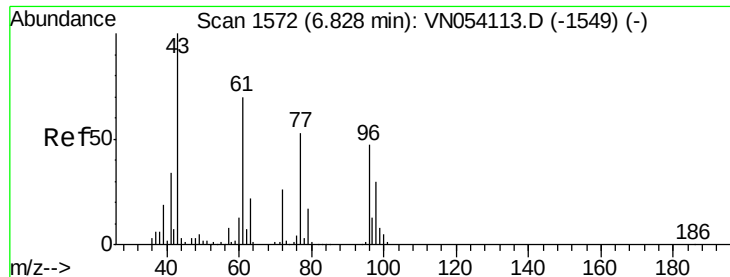
Tot Ion: 43 Resp: 71246
Ion Ratio Lower Upper
43 100
72 25.0 20.2 30.2



#26
2,2-Dichloropropane
Concen: 5.086 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

Tgt Ion: 77 Resp: 45660
Ion Ratio Lower Upper
77 100
97 23.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 5.121 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

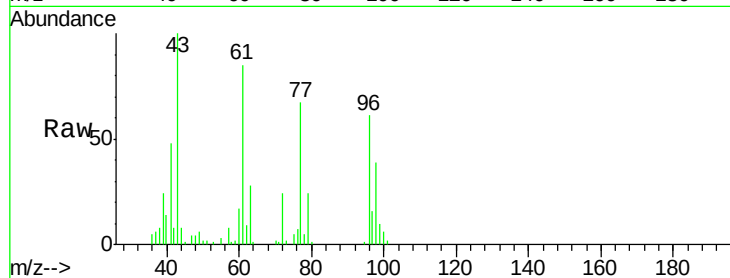
Tot Ion: 96 Resp: 37169

Ion Ratio Lower Upper

96 100

61 141.1 0.0 297.0

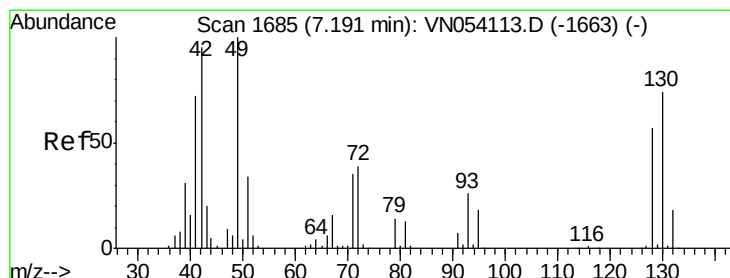
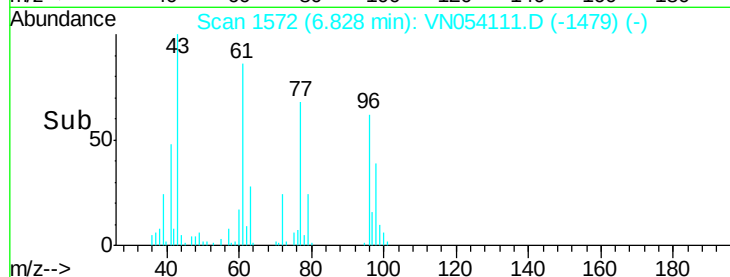
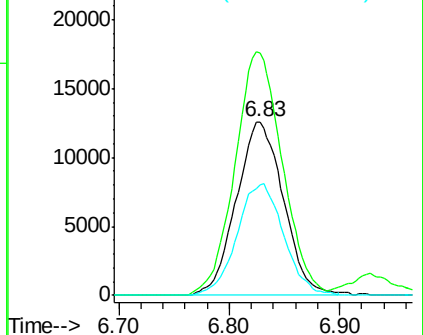
98 64.0 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 4.877 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

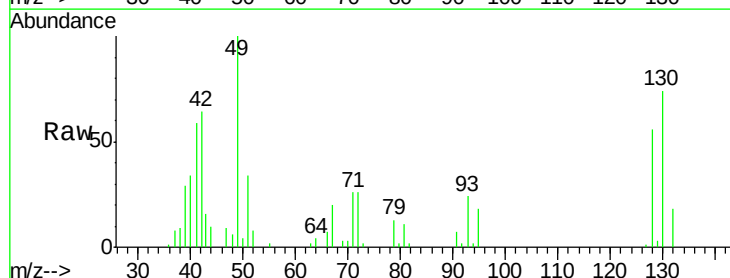
Tgt Ion: 49 Resp: 30315

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.8

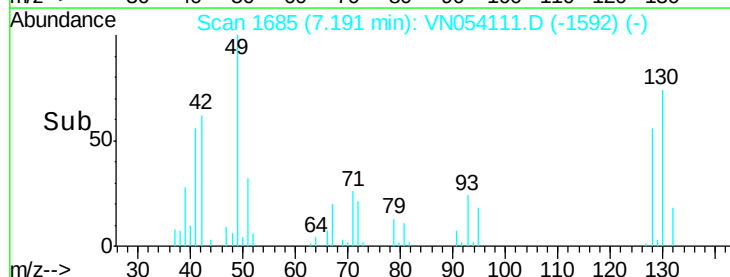
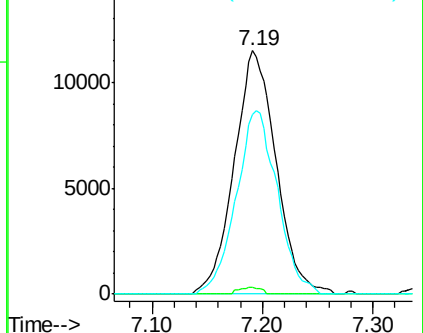
130 74.2 59.4 89.2

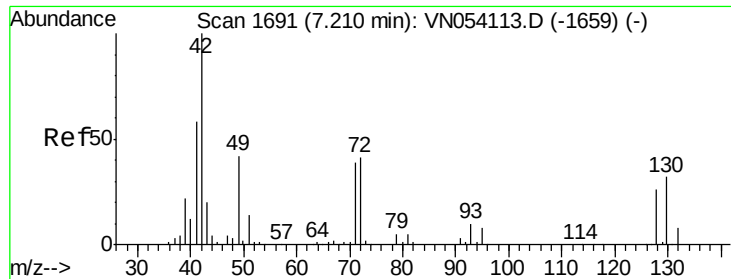


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

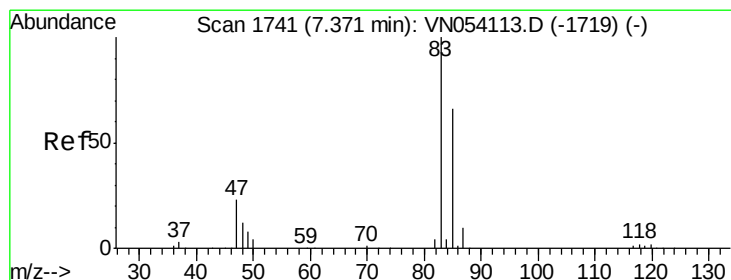
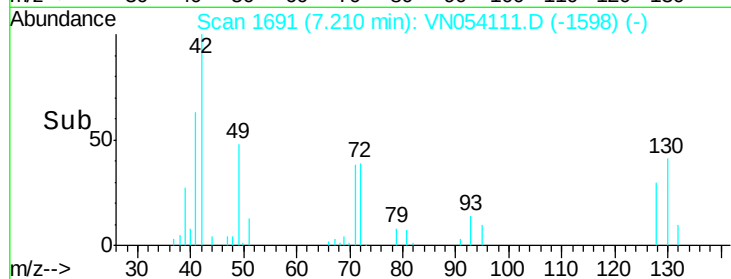
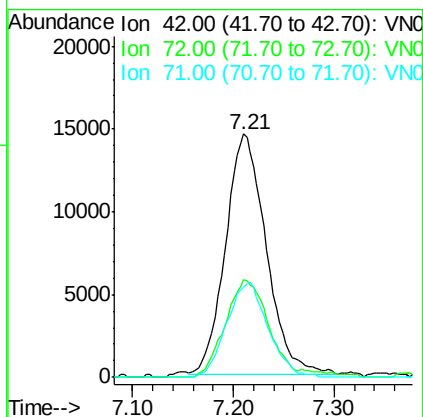
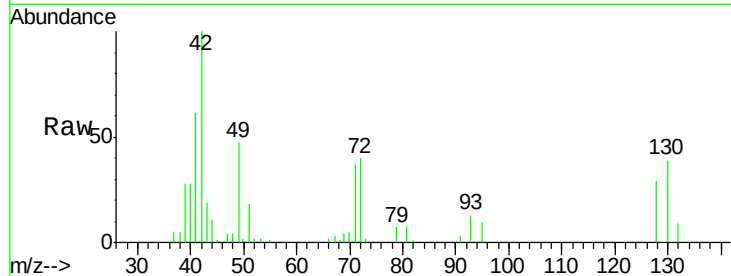




#29
Tetrahydrofuran
Concen: 20.426 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

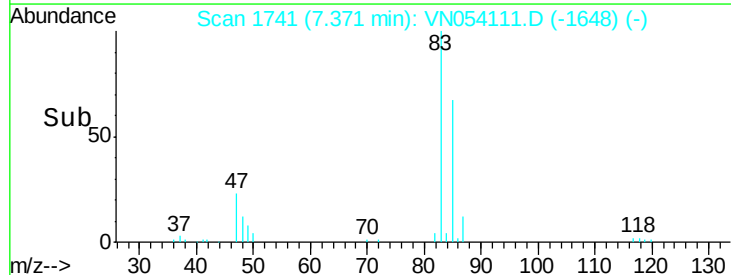
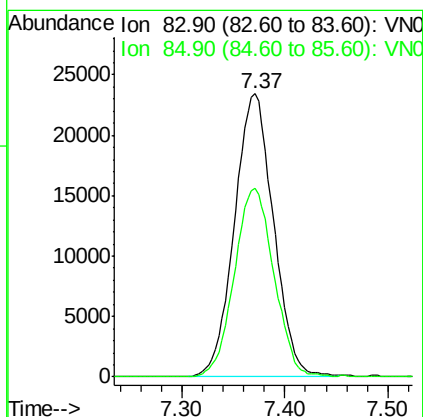
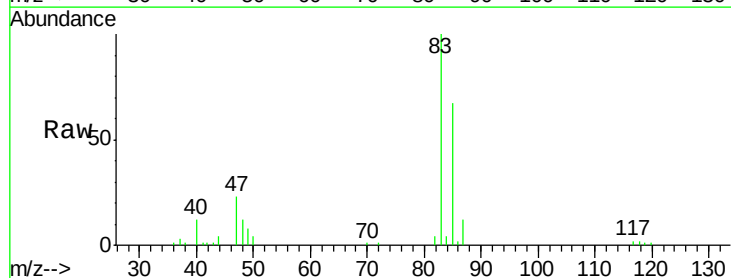
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

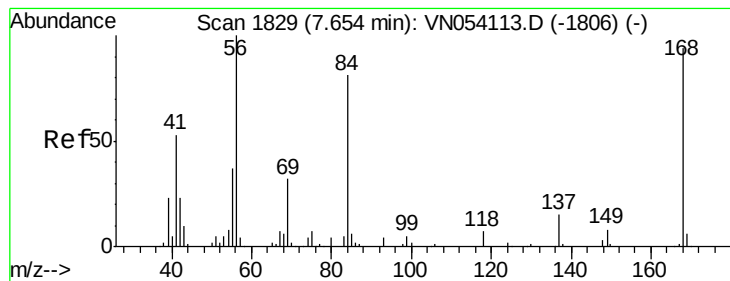
Tot Ion: 42 Resp: 40465
Ion Ratio Lower Upper
42 100
72 42.9 32.8 49.2
71 40.4 30.5 45.7



#30
Chloroform
Concen: 5.178 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

Tgt Ion: 83 Resp: 61792
Ion Ratio Lower Upper
83 100
85 66.6 53.1 79.7





#31

Cyclohexane

Concen: 4.898 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

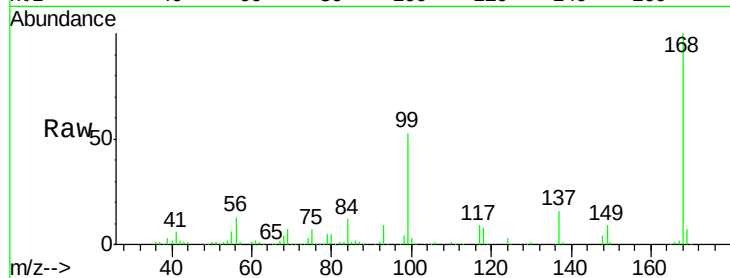
MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 66232

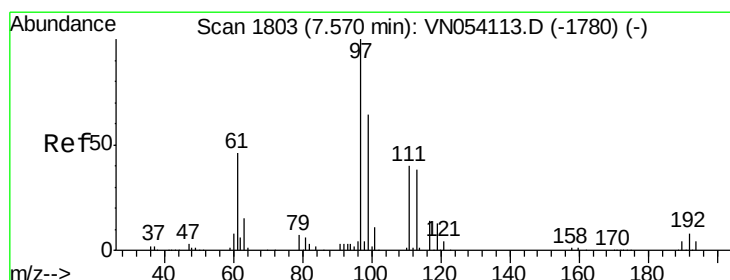
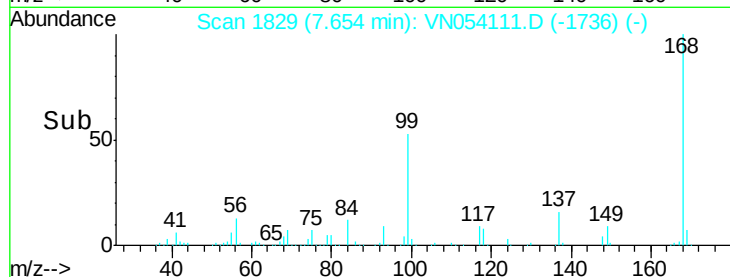
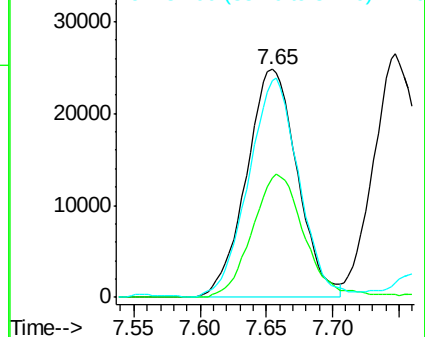
Ion	Ratio	Lower	Upper
56	100		
69	52.4	25.5	38.3#
84	95.1	64.5	96.7



Abundance Ion 56.00 (55.70 to 56.70): VN054111.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN054111.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN054111.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 5.250 ug/l

RT: 7.57 min Scan# 1803

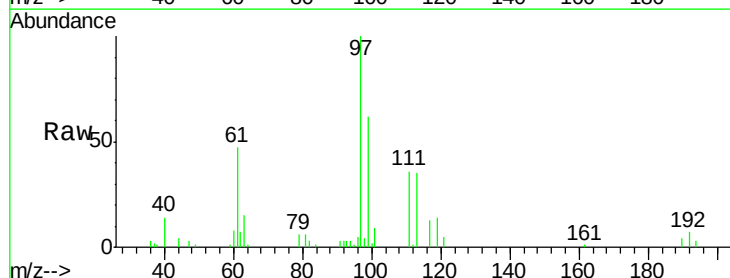
Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Tgt Ion: 97 Resp: 51942

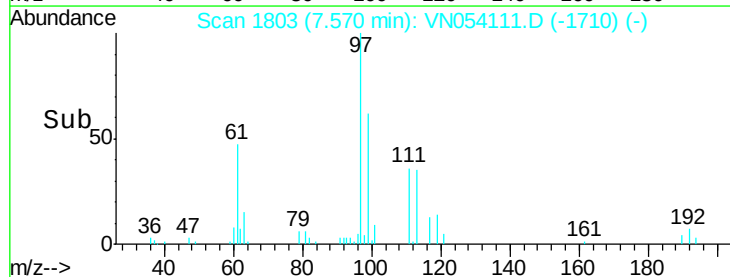
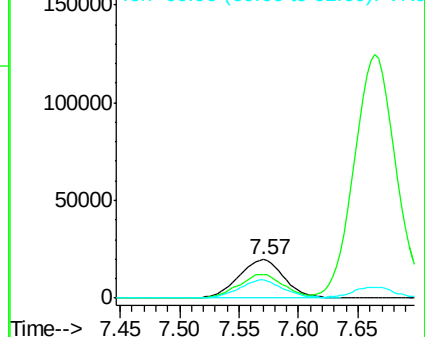
Ion	Ratio	Lower	Upper
97	100		
99	61.1	51.2	76.8
61	45.4	37.1	55.7

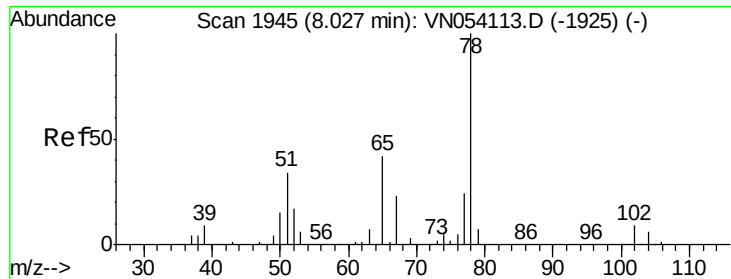


Abundance Ion 96.90 (96.60 to 97.60): VN054111.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN054111.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN054111.D (-1780) (-)

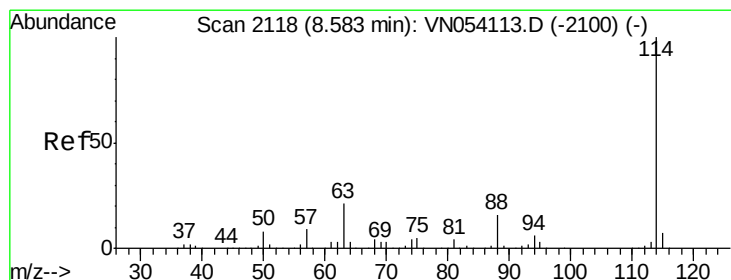
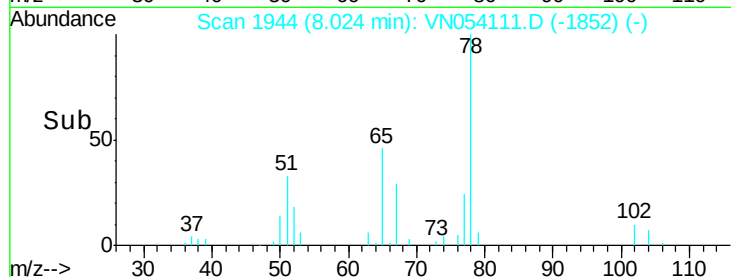
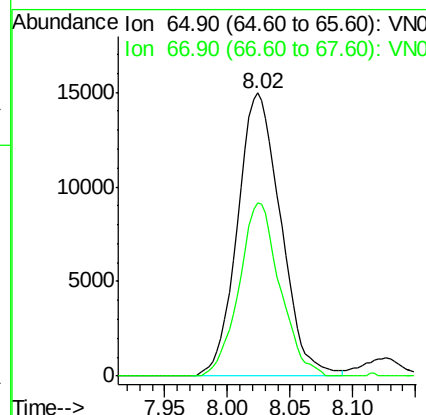
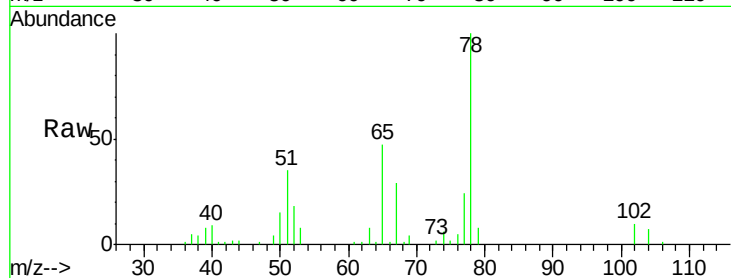




#33
 1,2-Dichloroethane-d4
 Concen: 4.863 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

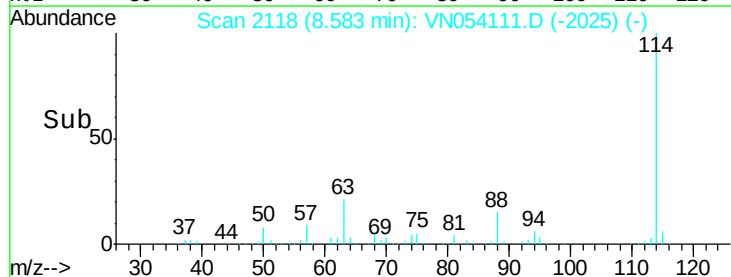
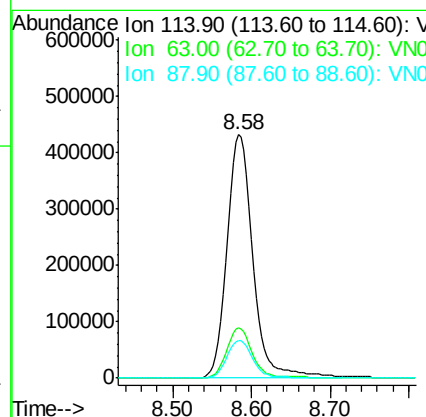
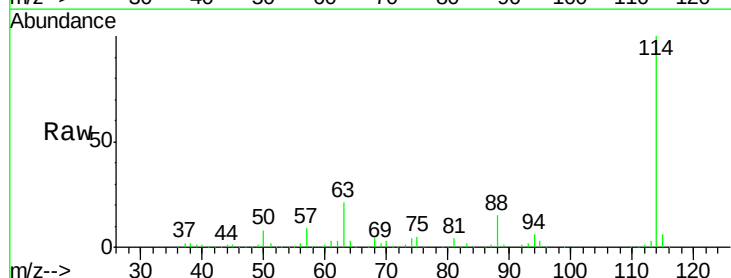
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

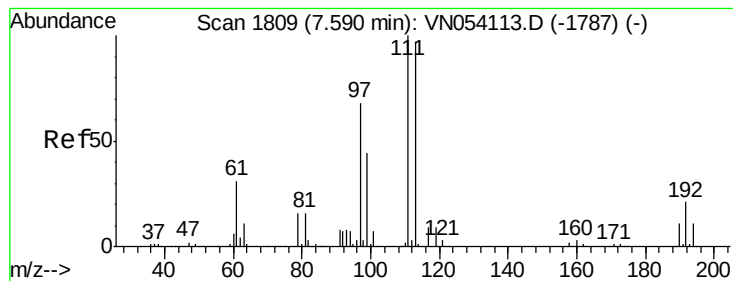
Tot Ion: 65 Resp: 35872
 Ion Ratio Lower Upper
 65 100
 67 57.7 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

Tgt Ion: 114 Resp: 985115
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.6
 88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 4.966 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

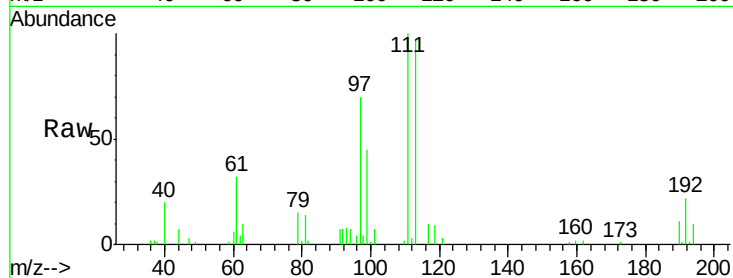
Tot Ion:113 Resp: 31770

Ion Ratio Lower Upper

113 100

111 104.8 82.1 123.1

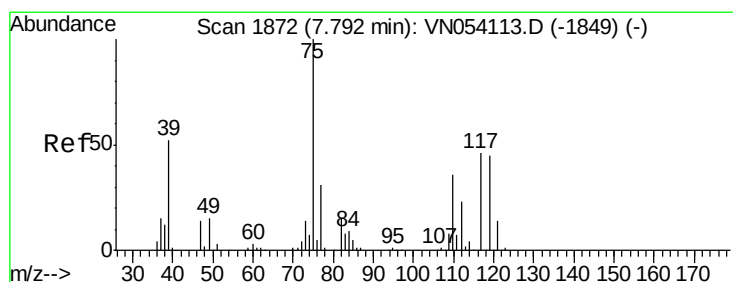
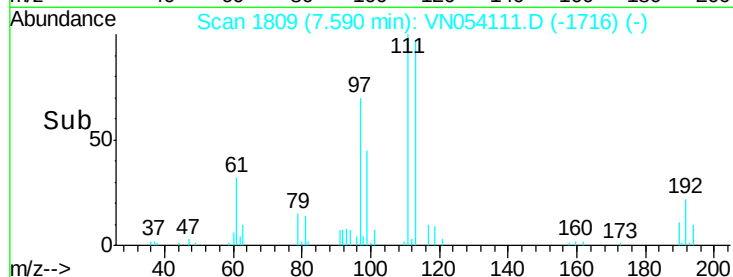
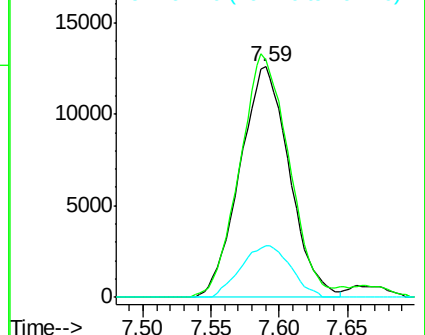
192 22.5 17.4 26.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.103 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

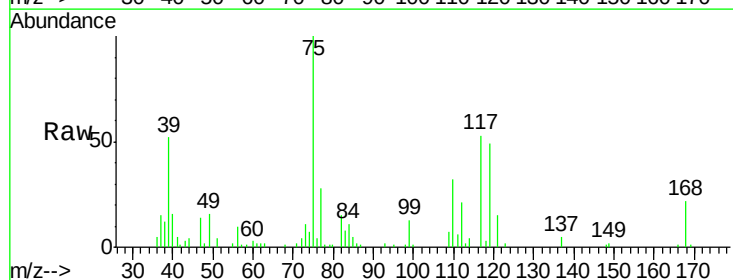
Tgt Ion: 75 Resp: 47186

Ion Ratio Lower Upper

75 100

110 35.2 18.0 54.0

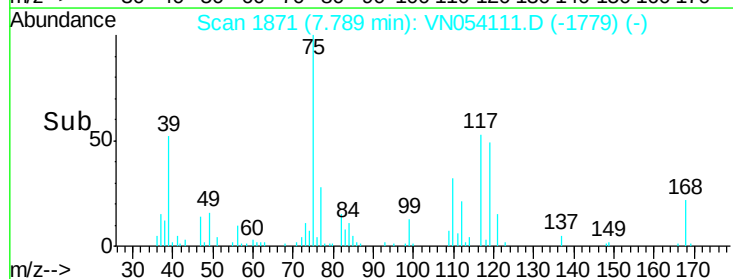
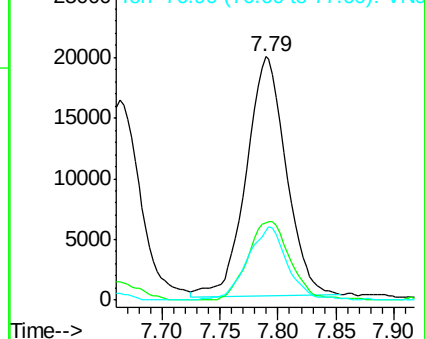
77 30.4 25.3 37.9

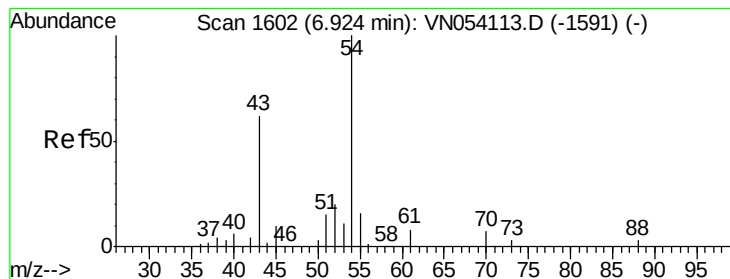


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 4.368 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

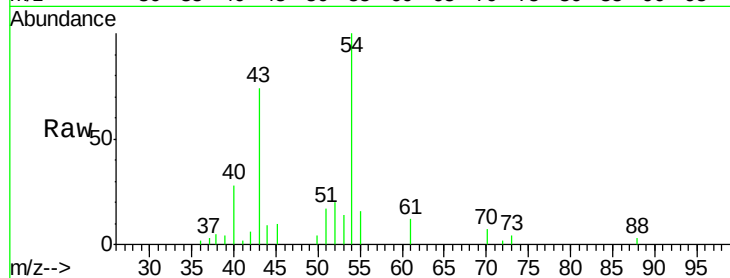
Tot Ion: 43 Resp: 28954

Ion Ratio Lower Upper

43 100

61 16.1 11.1 16.7

70 5.0 7.6 11.4#

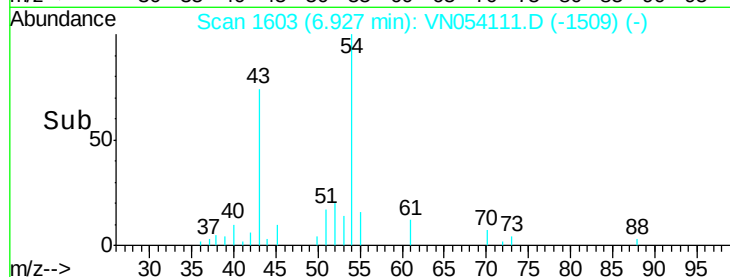


Abundance Ion 43.00 (42.70 to 43.70): VN054111.D (-1591) (-)

Ion 60.90 (60.60 to 61.60): VN054111.D (-1591) (-)

Ion 70.00 (69.70 to 70.70): VN054111.D (-1591) (-)

Time-->



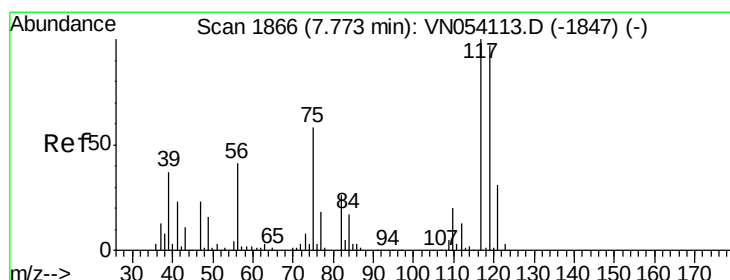
Abundance

Ion 43.00 (42.70 to 43.70): VN054111.D (-1591) (-)

Ion 60.90 (60.60 to 61.60): VN054111.D (-1591) (-)

Ion 70.00 (69.70 to 70.70): VN054111.D (-1591) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.152 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

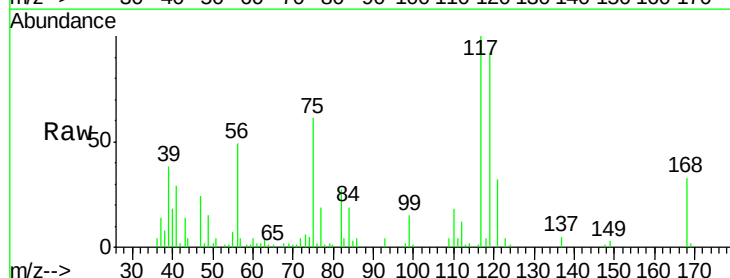
Tgt Ion: 117 Resp: 45481

Ion Ratio Lower Upper

117 100

119 93.3 77.0 115.6

121 32.8 24.3 36.5

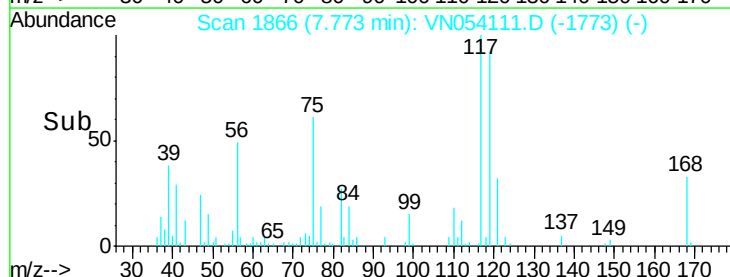


Abundance Ion 116.80 (116.50 to 117.50): VN054111.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN054111.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN054111.D (-1847) (-)

Time-->



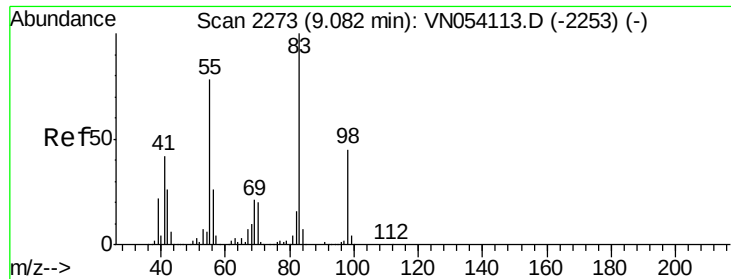
Abundance

Ion 116.80 (116.50 to 117.50): VN054111.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN054111.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN054111.D (-1847) (-)

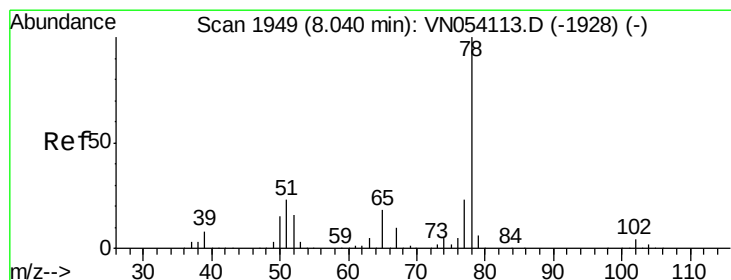
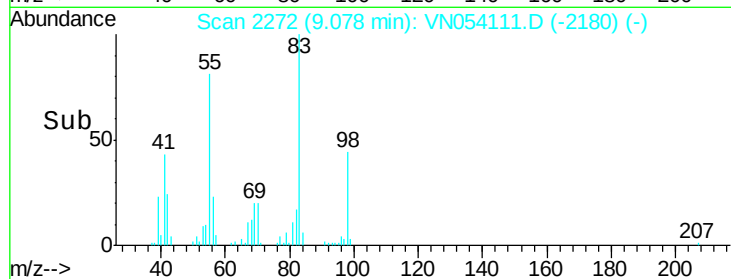
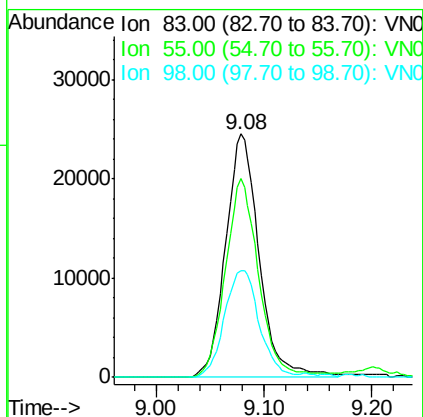
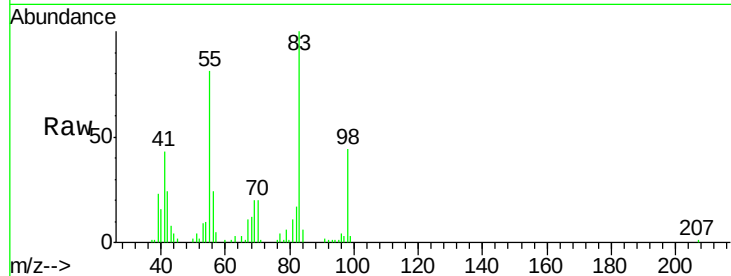
Time-->



#39
Methylvlcyclohexane
Concen: 4.981 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

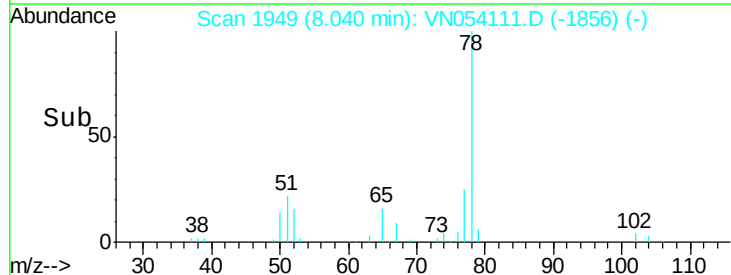
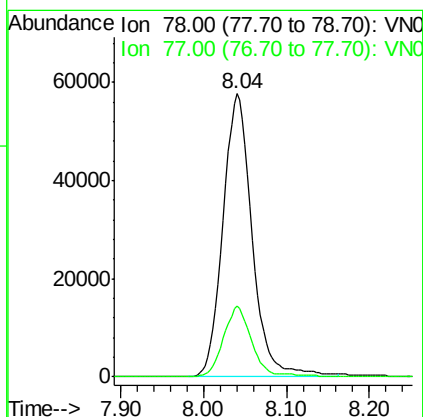
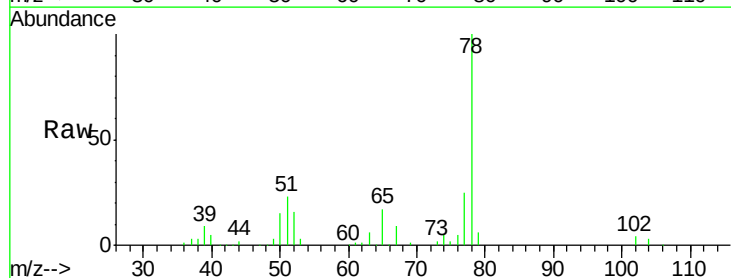
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

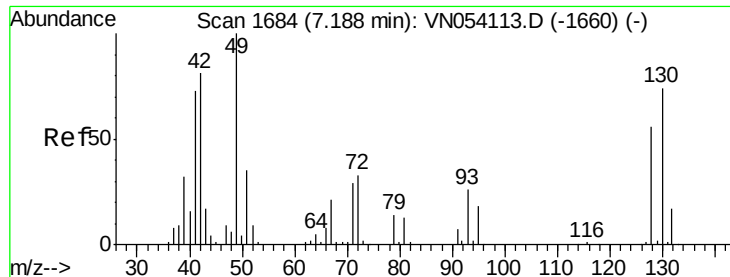
Tot Ion: 83 Resp: 53151
Ion Ratio Lower Upper
83 100
55 81.5 62.1 93.1
98 44.0 36.0 54.0



#40
Benzene
Concen: 5.181 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

Tgt Ion: 78 Resp: 141733
Ion Ratio Lower Upper
78 100
77 25.1 18.7 28.1

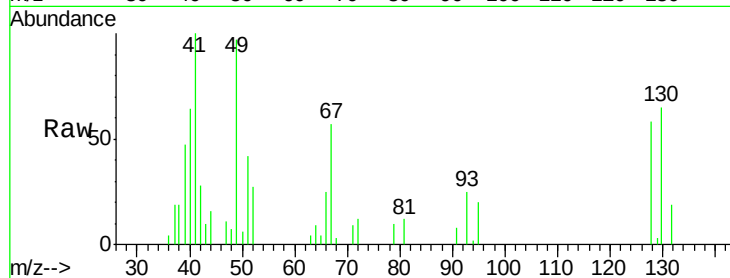




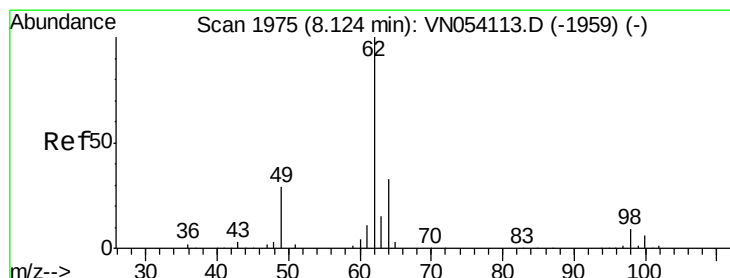
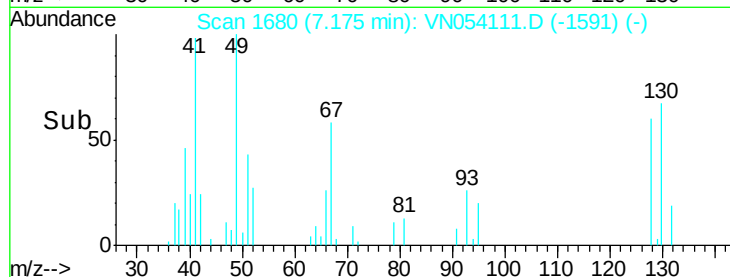
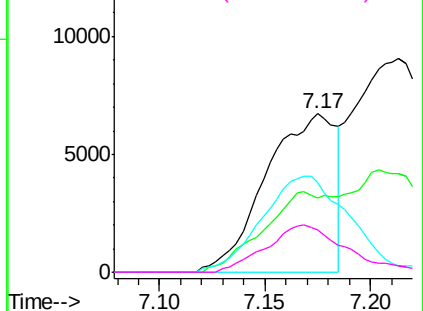
#41
Methacrylonitrile
Concen: 3.856 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 41 Resp: 15538
Ion Ratio Lower Upper
41 100
39 39.3 0.0 0.0#
67 76.2 0.0 0.0#
52 33.7 0.0 0.0#

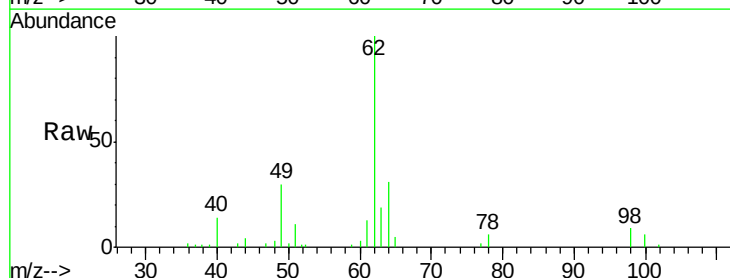


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

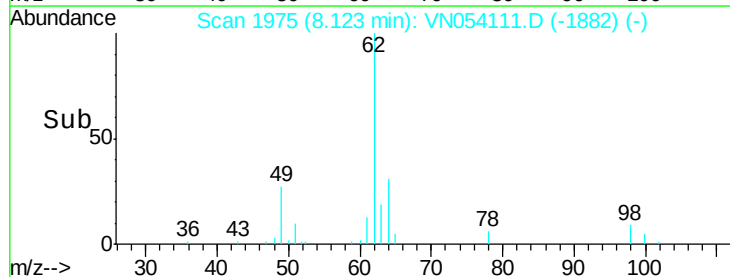
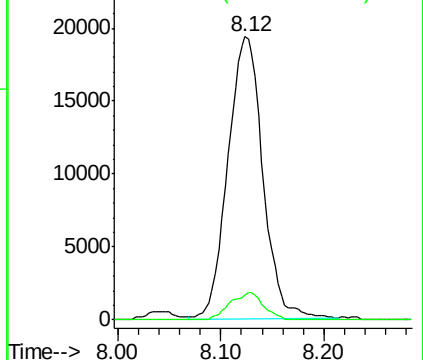


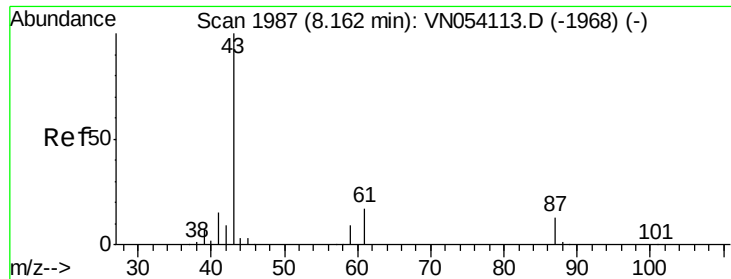
#42
1,2-Dichloroethane
Concen: 5.250 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

Tgt Ion: 62 Resp: 45490
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.6



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





#43

Isopropyl Acetate

Concen: 5.053 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

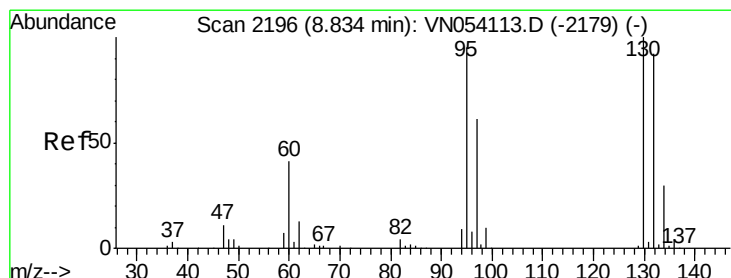
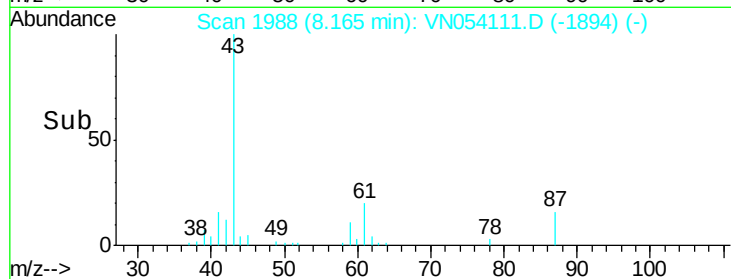
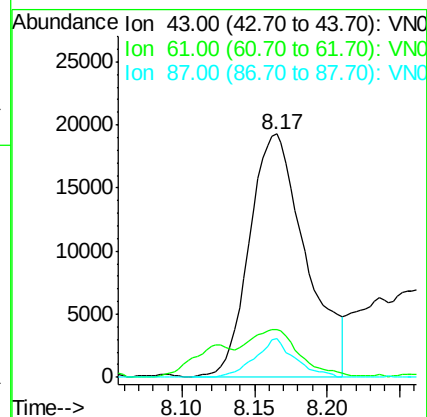
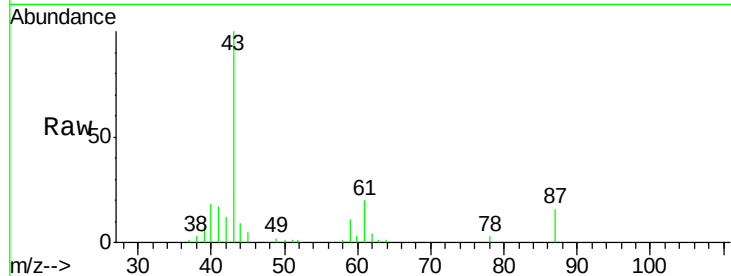
Tot Ion: 43 Resp: 52064

Ion Ratio Lower Upper

43 100

61 16.5 22.5 33.7#

87 11.3 10.1 15.1



#44

Trichloroethene

Concen: 5.293 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054111.D

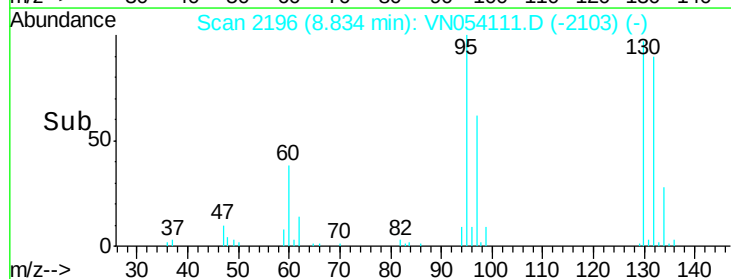
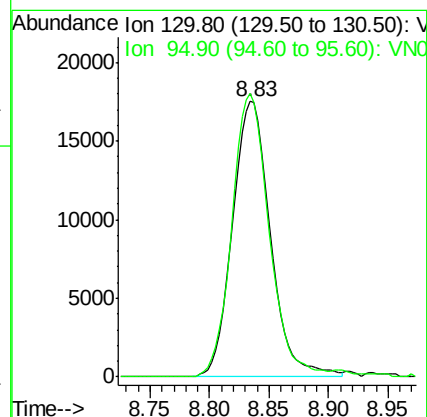
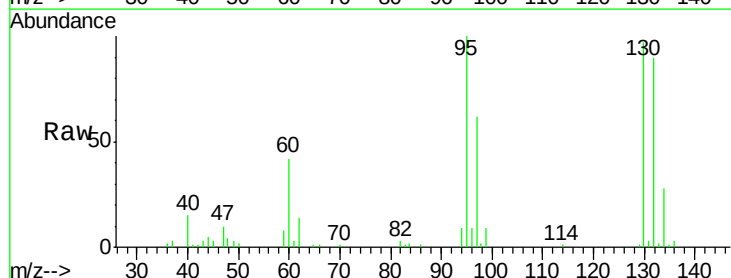
Acq: 6 Mar 2019 10:35

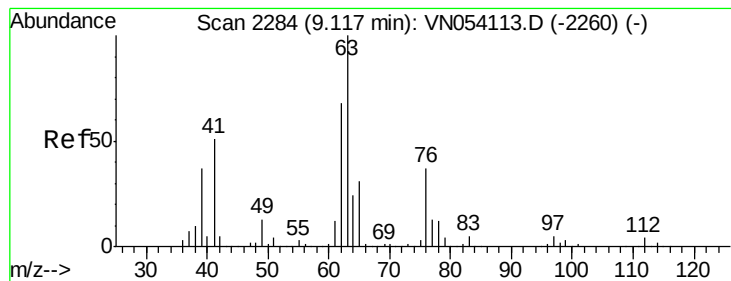
Tgt Ion:130 Resp: 38824

Ion Ratio Lower Upper

130 100

95 102.7 0.0 189.4





#45

1,2-Dichloropropane

Concen: 5.049 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

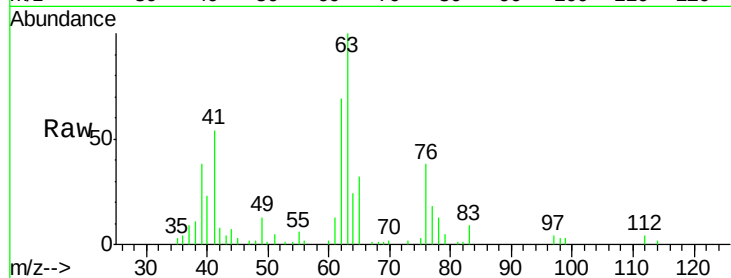
VSTDIC005

Tot Ion: 63 Resp: 38100

Ion Ratio Lower Upper

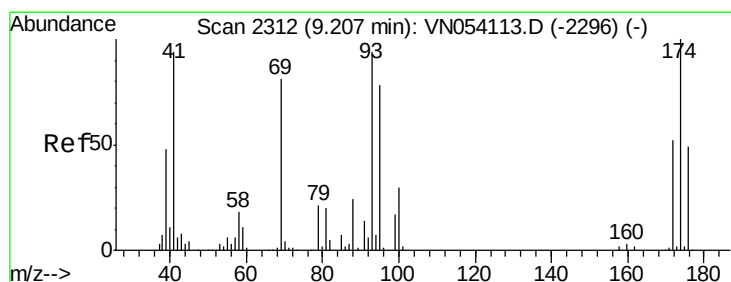
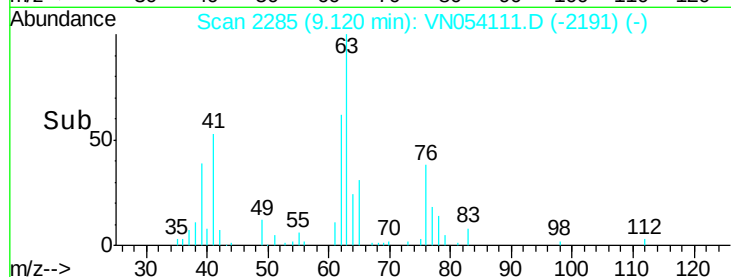
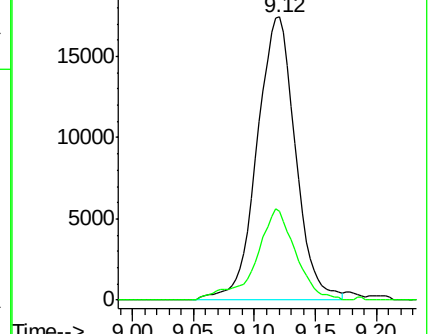
63 100

65 31.6 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 5.160 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

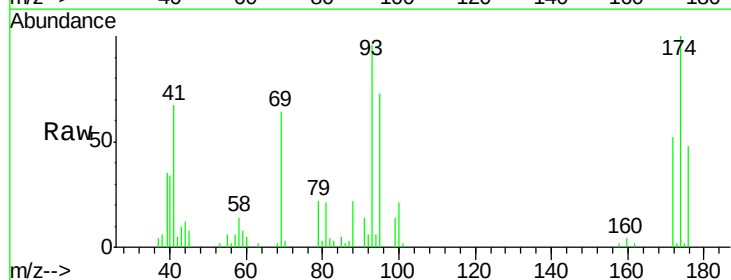
Tgt Ion: 93 Resp: 22227

Ion Ratio Lower Upper

93 100

95 85.1 66.1 99.1

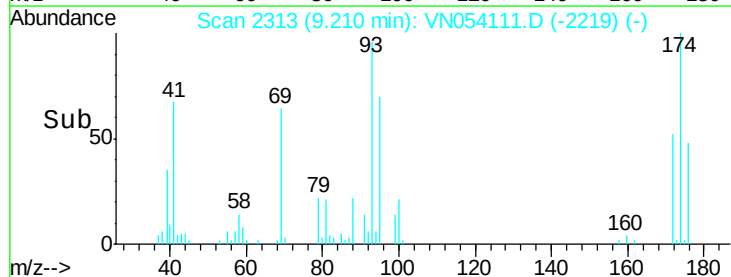
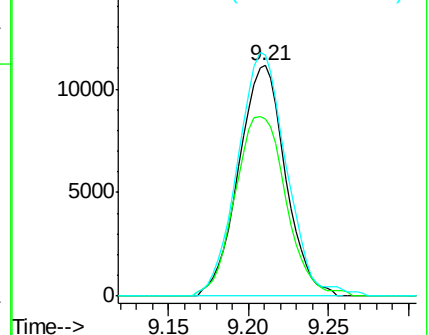
174 110.3 86.1 129.1

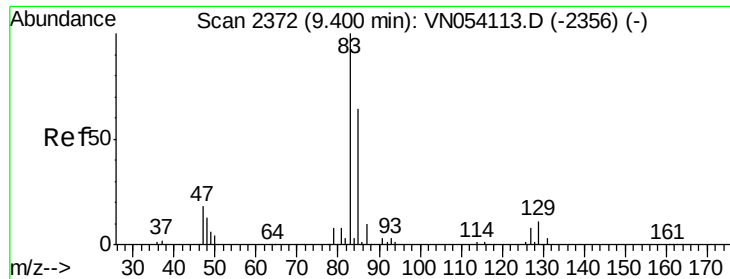


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.158 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

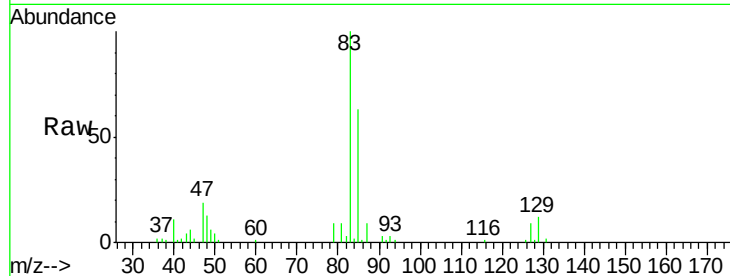
Tot Ion: 83 Resp: 46512

Ion Ratio Lower Upper

83 100

85 63.3 51.0 76.4

127 8.9 6.5 9.7

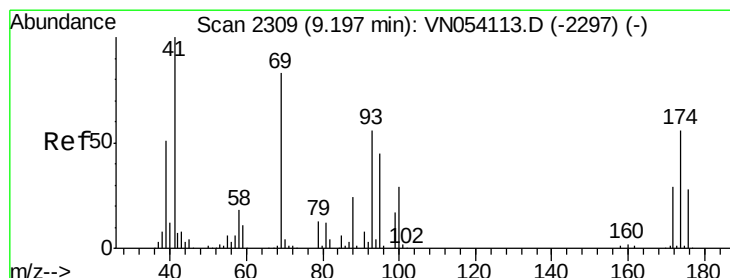
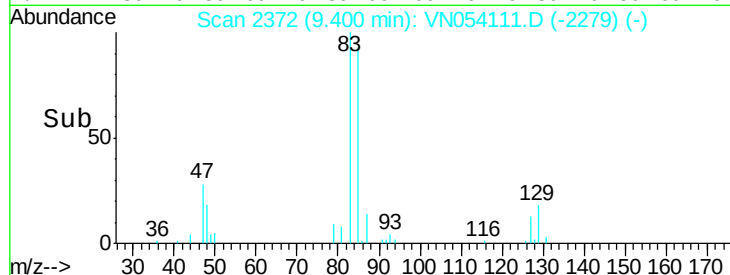


Abundance Ion 82.90 (82.60 to 83.60): VN054111.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN054111.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN054111.D (-2356) (-)

Time-->



#48

Methyl methacrylate

Concen: 4.157 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

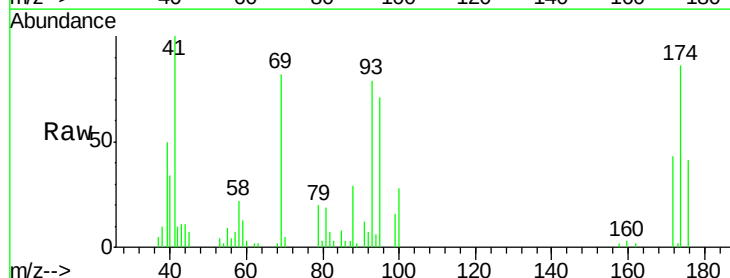
Tgt Ion: 41 Resp: 21149

Ion Ratio Lower Upper

41 100

69 98.3 71.0 106.4

39 60.4 43.7 65.5

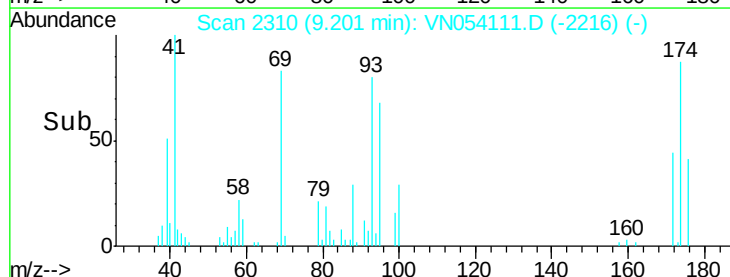


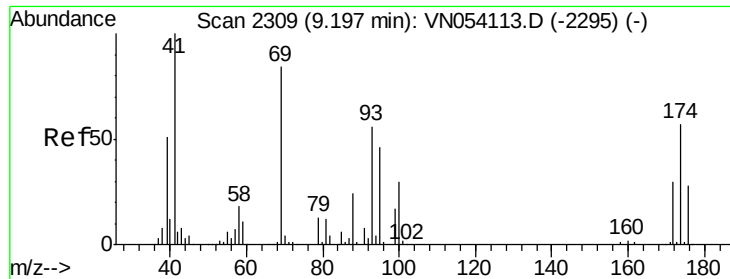
Abundance Ion 41.00 (40.70 to 41.70): VN054111.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN054111.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN054111.D (-2297) (-)

Time-->

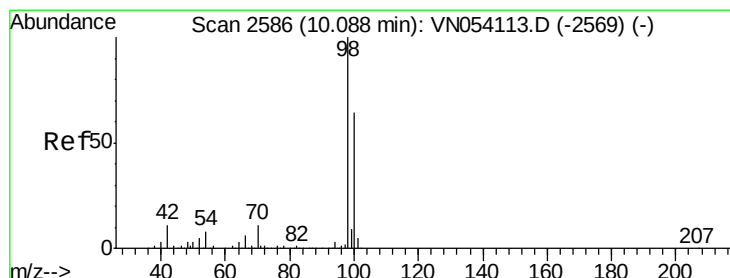
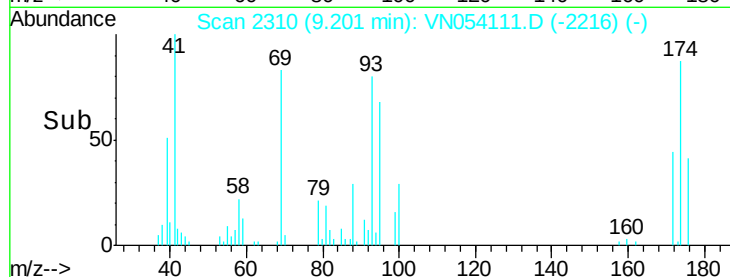
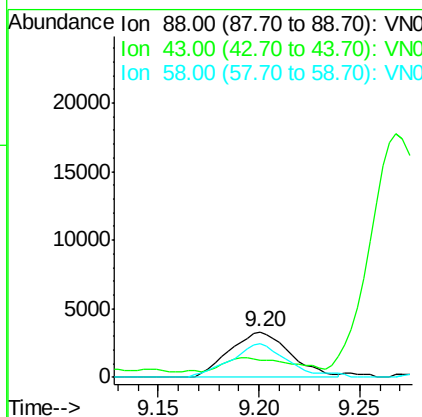
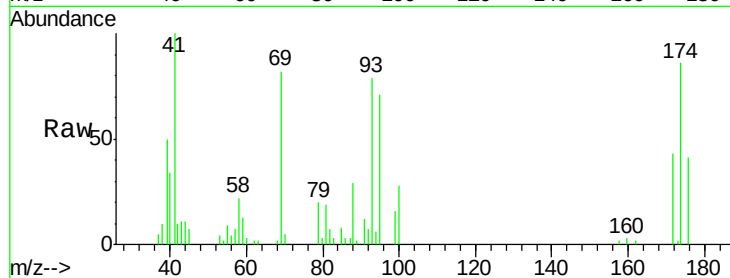




#49
 1,4-Dioxane
 Concen: 102.361 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

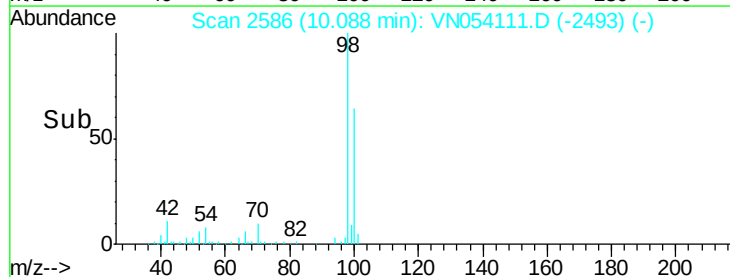
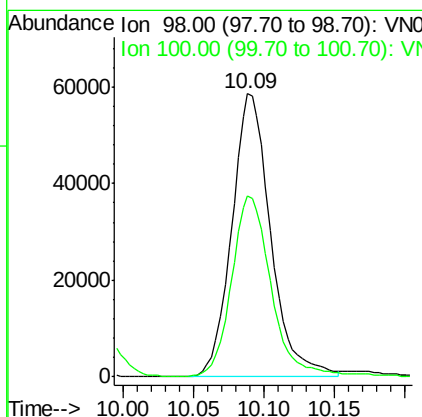
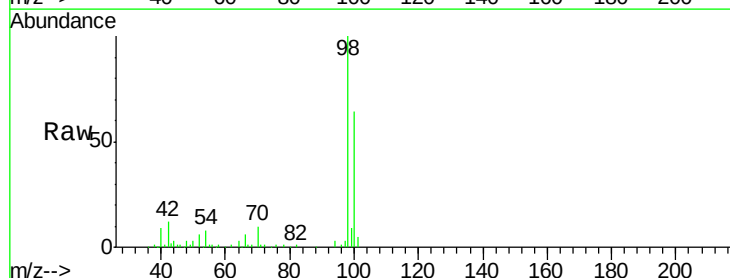
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

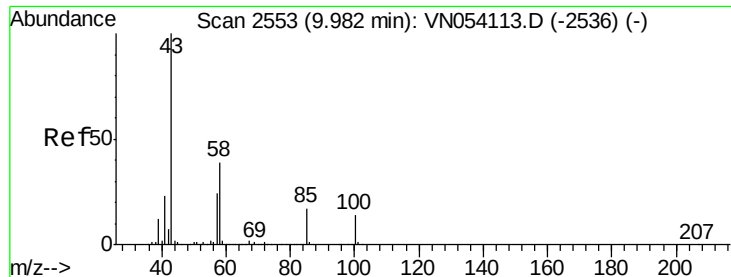
Tot Ion: 88 Resp: 6882
 Ion Ratio Lower Upper
 88 100
 43 36.5 25.5 38.3
 58 70.3 58.3 87.5



#50
 Toluene-d8
 Concen: 4.656 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

Tgt Ion: 98 Resp: 113118
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.7 77.5

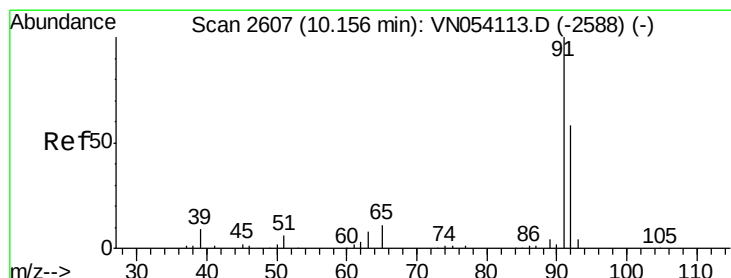
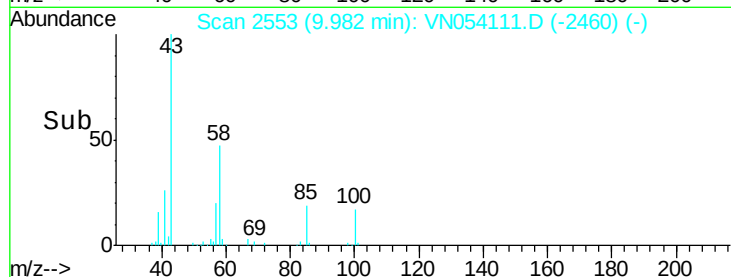
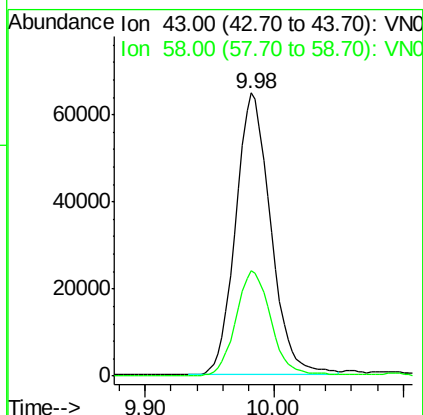
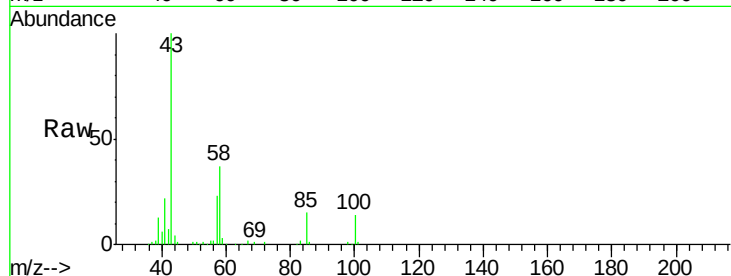




#51
 4-Methyl-2-Pentanone
 Concen: 20.720 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

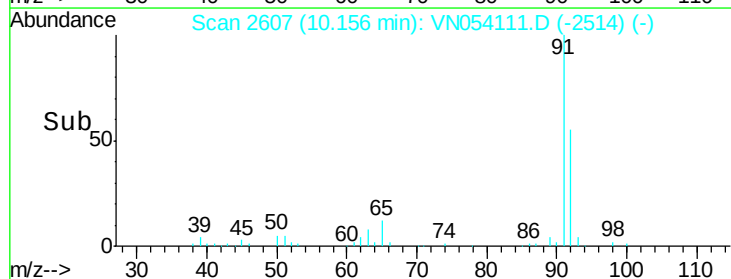
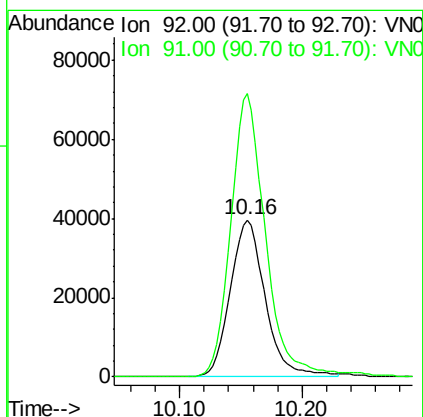
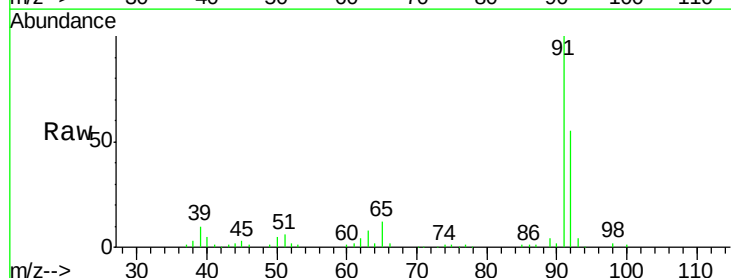
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

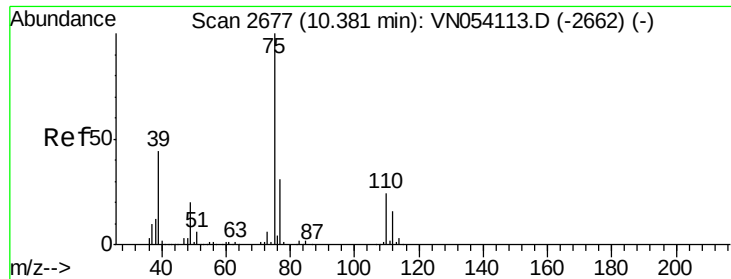
Tot Ion: 43 Resp: 122312
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.8 46.2



#52
 Toluene
 Concen: 4.876 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

Tgt Ion: 92 Resp: 79019
 Ion Ratio Lower Upper
 92 100
 91 178.4 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 4.489 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

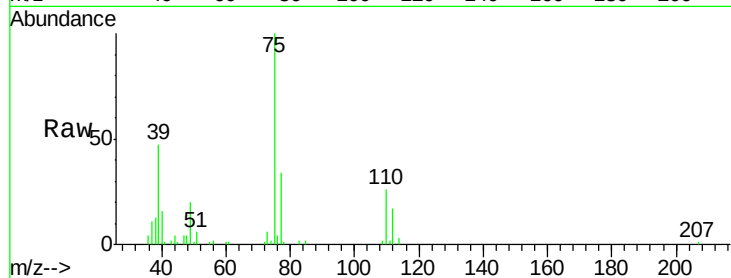
VSTDIC005

Tot Ion: 75 Resp: 39925

Ion Ratio Lower Upper

75 100

77 33.9 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

25000

20000

15000

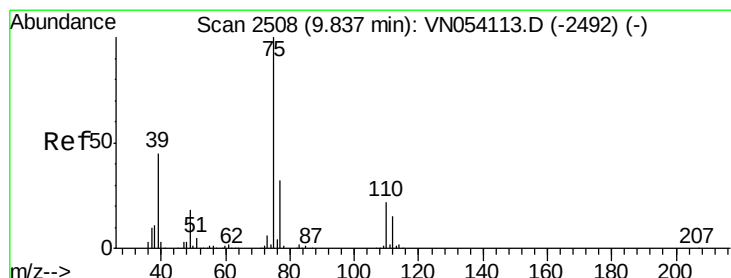
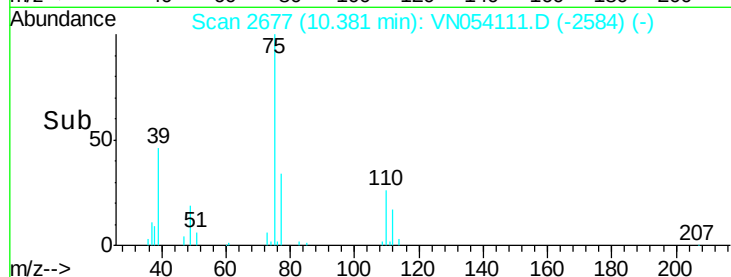
10000

5000

0

Time-->

10.30 10.40



#54

cis-1,3-Dichloropropene

Concen: 4.675 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

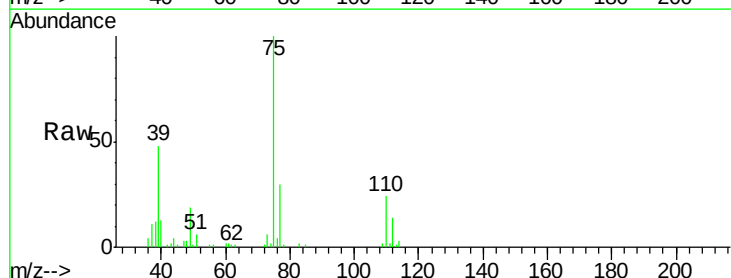
Tgt Ion: 75 Resp: 49144

Ion Ratio Lower Upper

75 100

77 29.7 25.4 38.0

39 48.0 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

30000

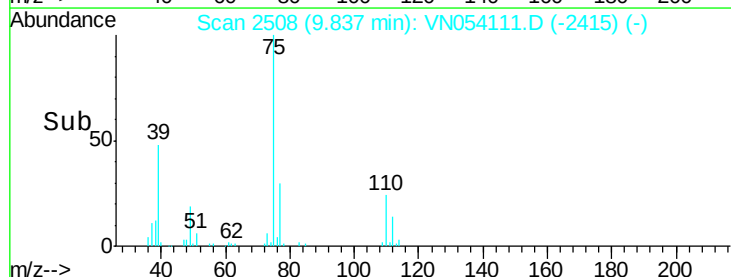
20000

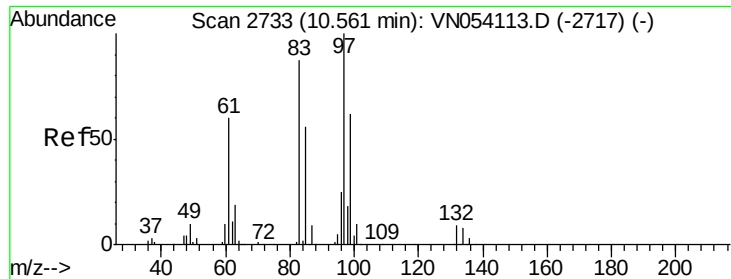
10000

0

Time-->

9.75 9.80 9.85 9.90 9.95

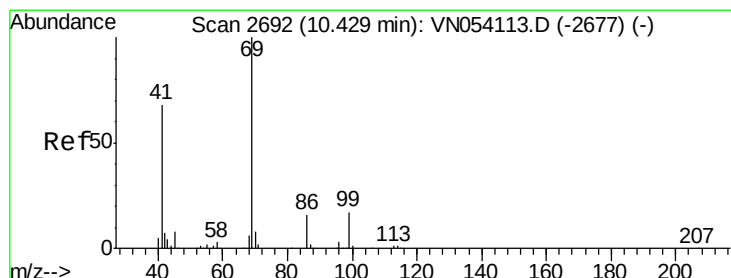
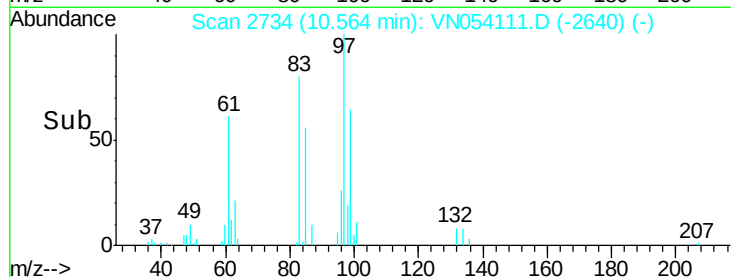
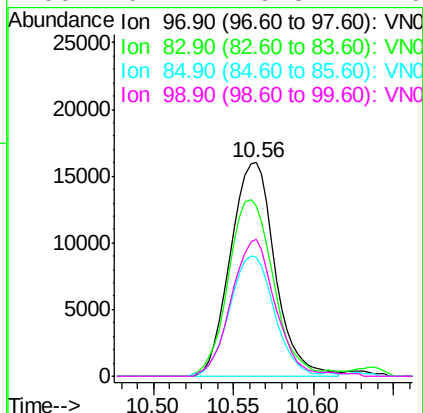
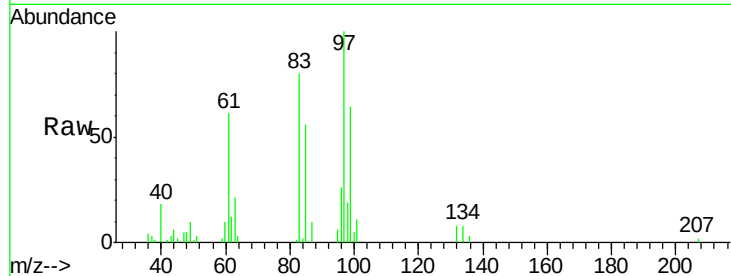




#55
 1,1,2-Trichloroethane
 Concen: 4.994 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

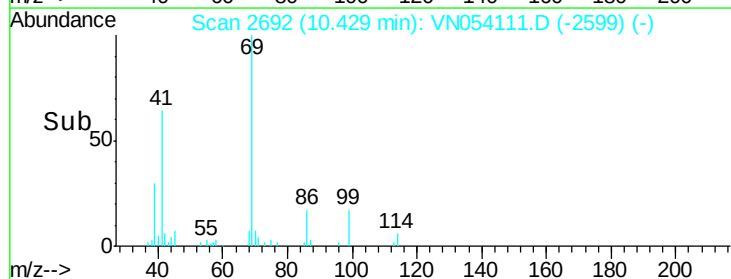
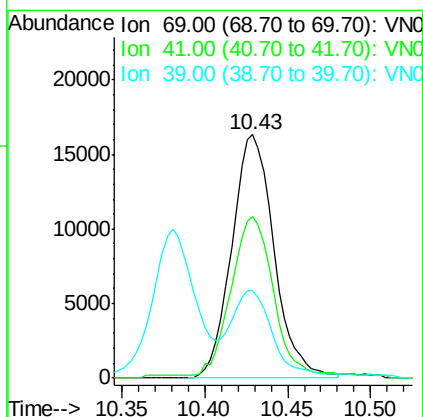
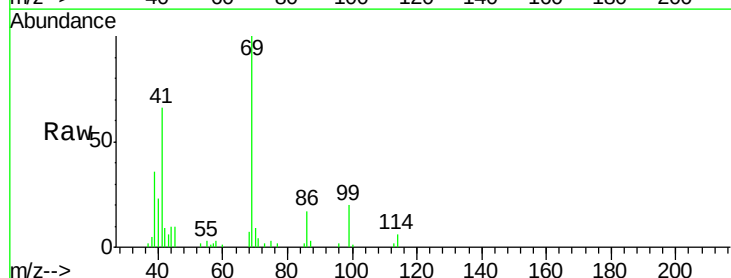
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

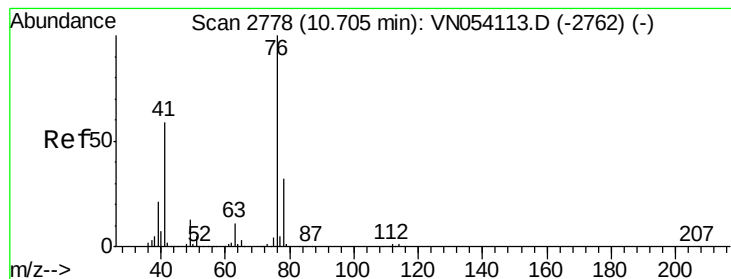
Tot Ion:	97	Resp:	30479
Ion	Ratio	Lower	Upper
97	100		
83	79.9	69.8	104.6
85	55.6	45.0	67.4
99	64.4	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 4.046 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

Tgt Ion:	69	Resp:	28985
Ion	Ratio	Lower	Upper
69	100		
41	63.7	53.4	80.2
39	35.4	25.6	38.4





#57

1,3-Dichloropropane

Concen: 4.970 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

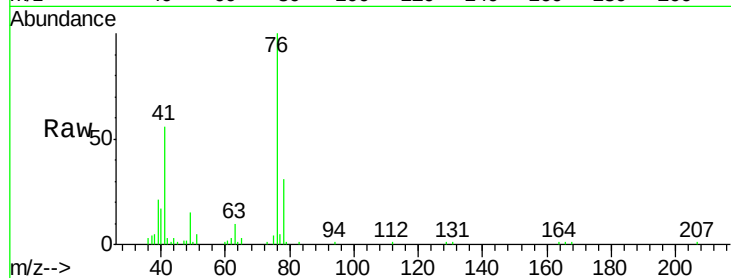
VSTDIC005

Tot Ion: 76 Resp: 51750

Ion Ratio Lower Upper

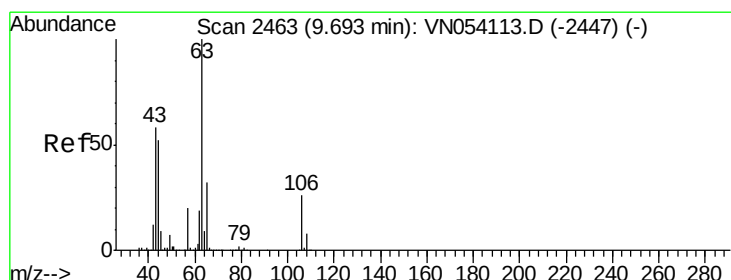
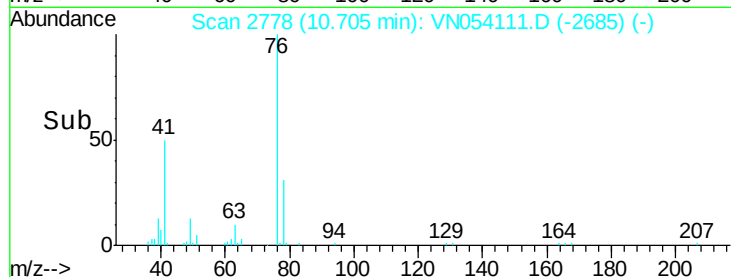
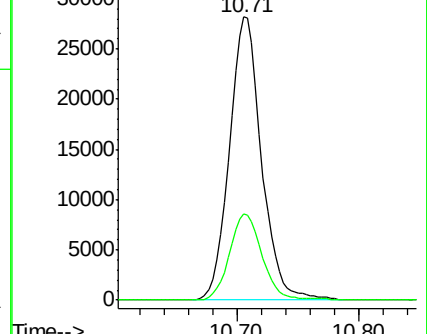
76 100

78 30.8 25.9 38.9



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: 18.584 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054111.D

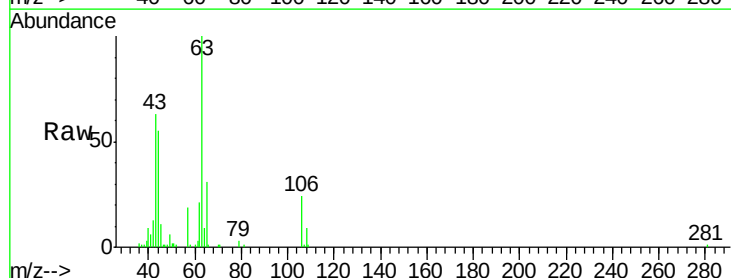
Acq: 6 Mar 2019 10:35

Tgt Ion: 63 Resp: 60941

Ion Ratio Lower Upper

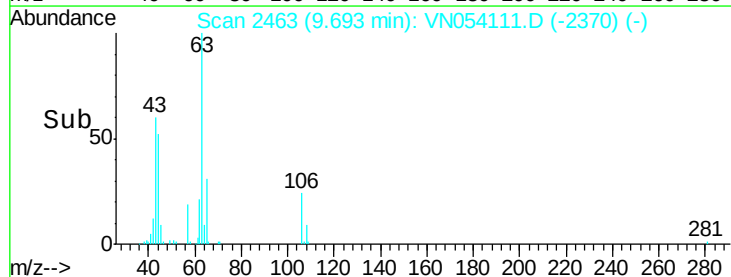
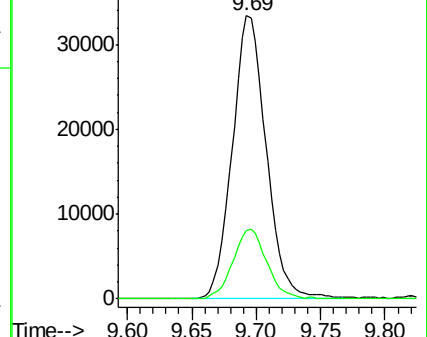
63 100

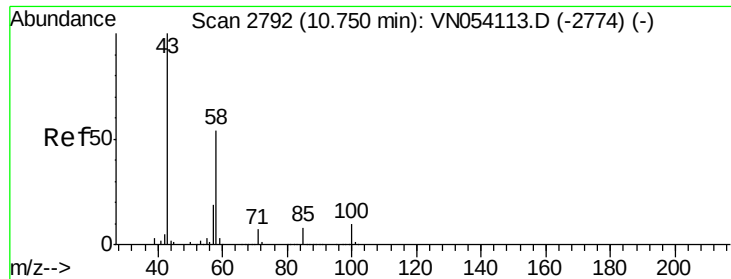
106 24.3 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

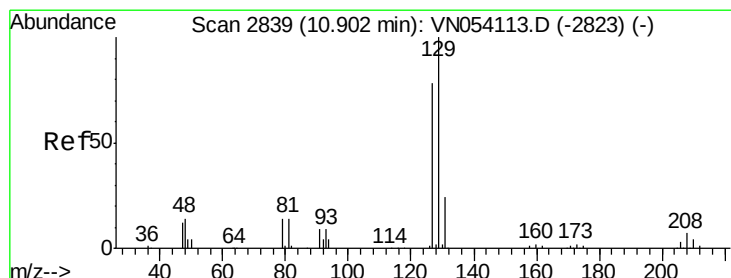
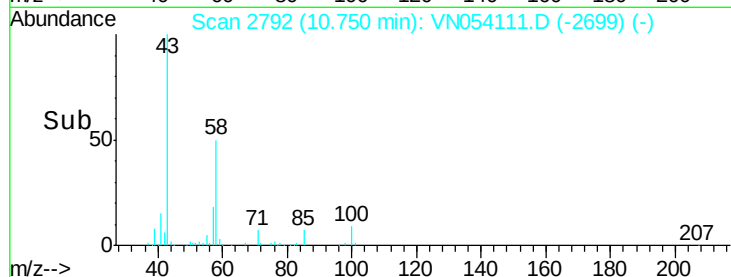
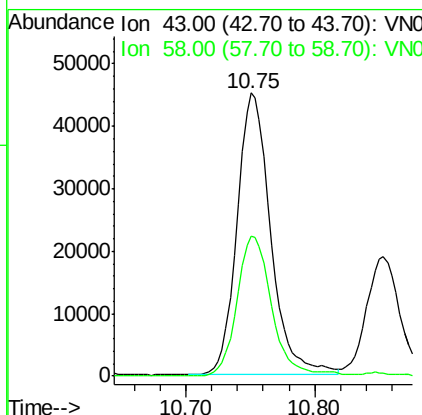
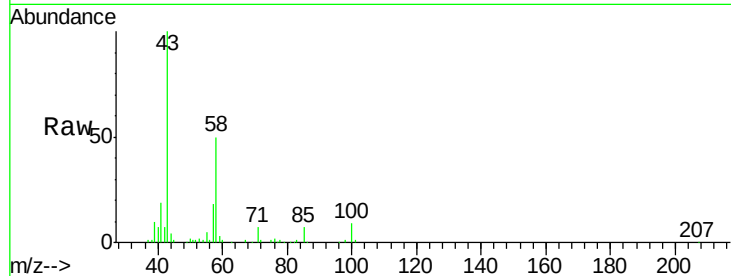




#59
2-Hexanone
Concen: 21.017 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

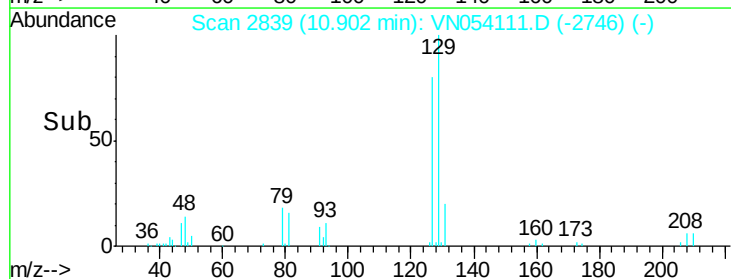
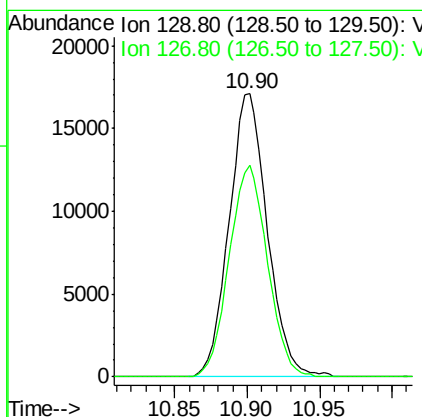
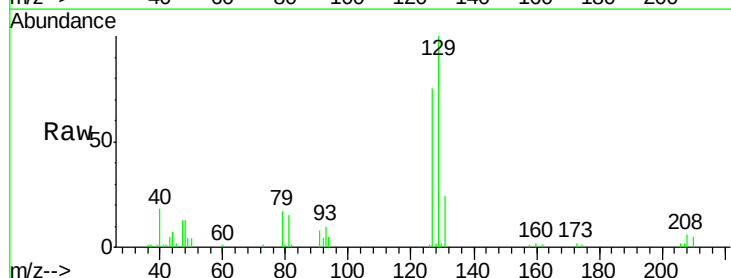
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

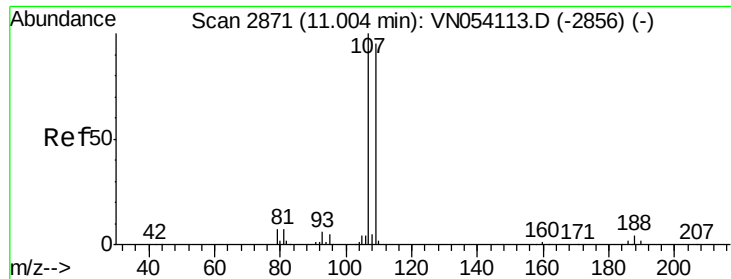
Tot Ion: 43 Resp: 81846
Ion Ratio Lower Upper
43 100
58 51.5 27.0 81.0



#60
Dibromochloromethane
Concen: 4.806 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

Tgt Ion: 129 Resp: 31362
Ion Ratio Lower Upper
129 100
127 74.5 38.8 116.4





#61

1,2-Dibromoethane

Concen: 4.636 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

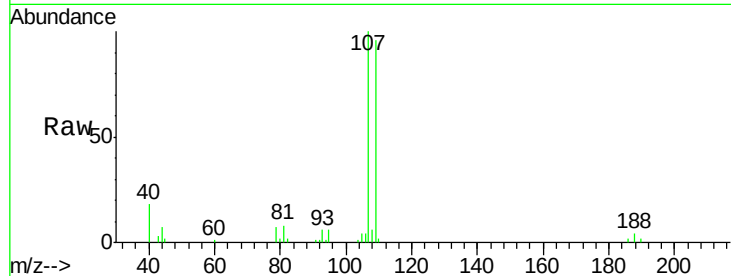
VSTDIC005

Tot Ion:107 Resp: 26920

Ion Ratio Lower Upper

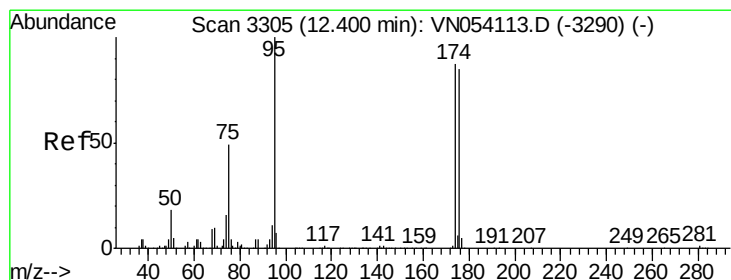
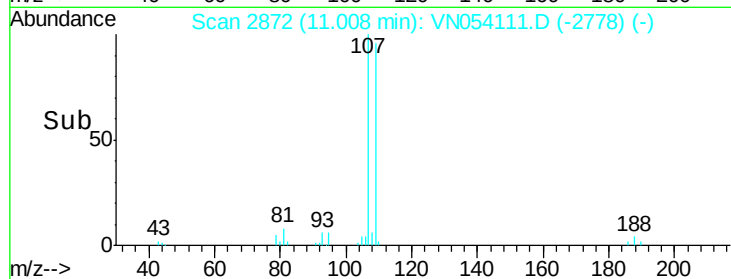
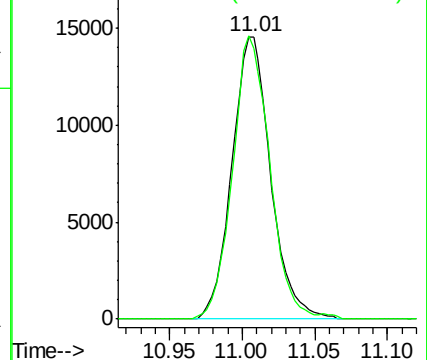
107 100

109 97.2 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.405 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

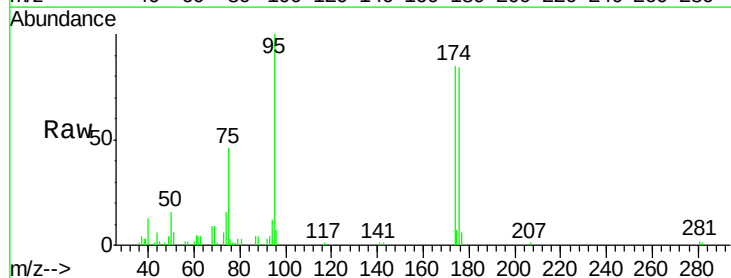
Tgt Ion: 95 Resp: 34847

Ion Ratio Lower Upper

95 100

174 86.7 0.0 173.2

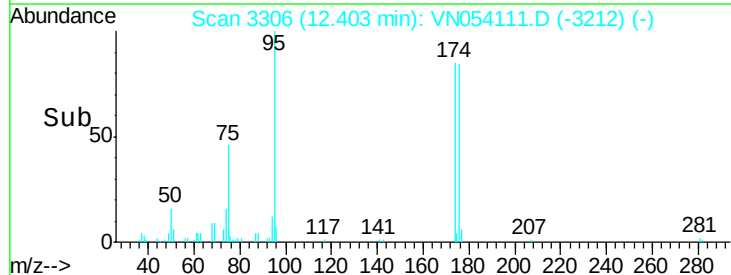
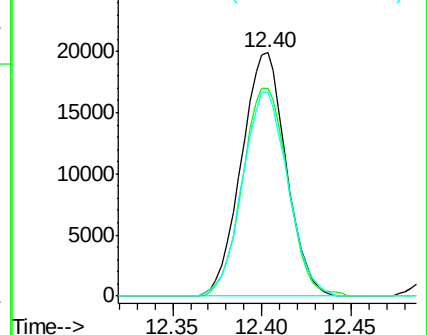
176 85.6 0.0 168.8

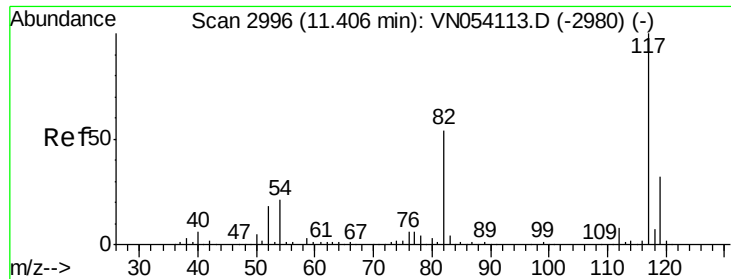


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

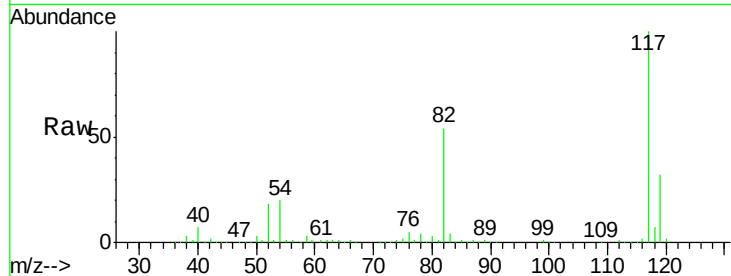




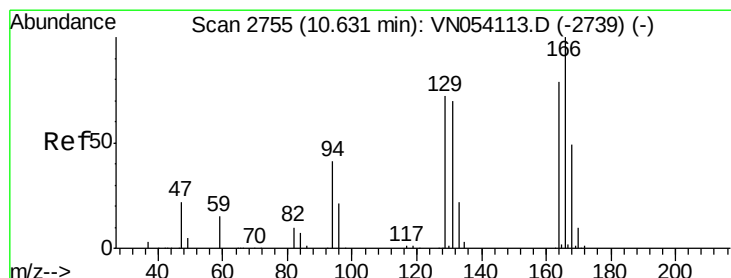
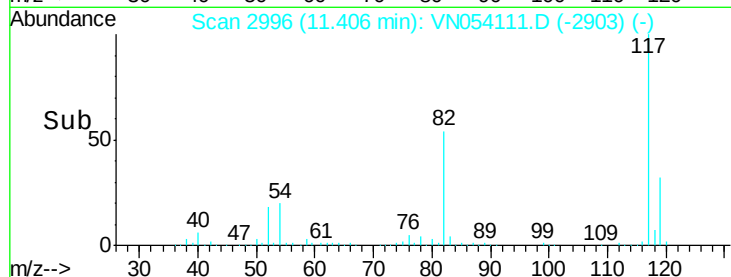
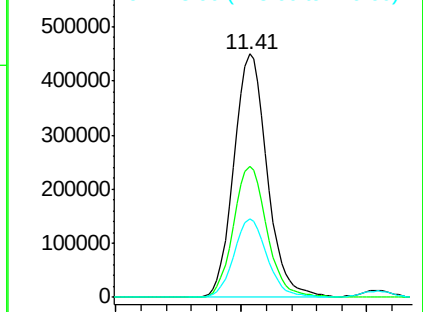
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 830513
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.2
119 32.2 26.0 39.0

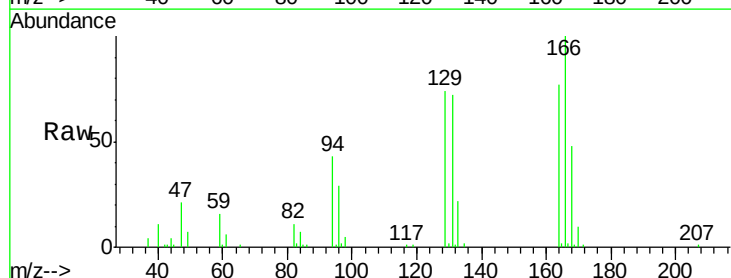


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

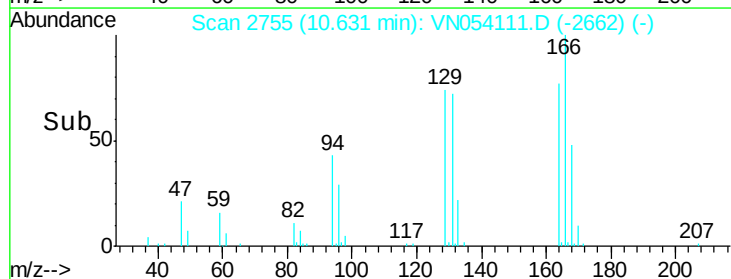
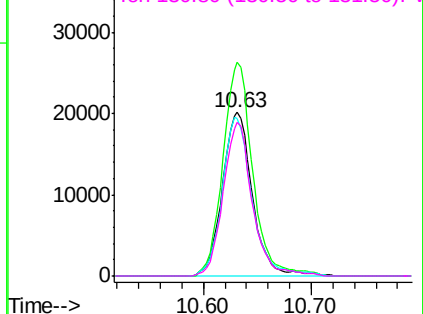


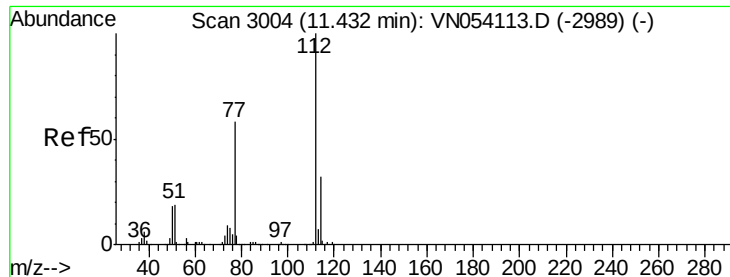
#64
Tetrachloroethene
Concen: 5.716 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

Tgt Ion:164 Resp: 38962
Ion Ratio Lower Upper
164 100
166 130.6 101.3 151.9
129 96.5 73.2 109.8
131 94.2 70.8 106.2



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





#65

Chlorobenzene

Concen: 5.075 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

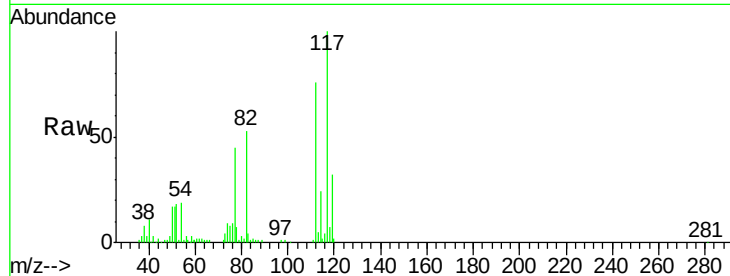
VSTDIC005

Tot Ion:112 Resp: 87706

Ion Ratio Lower Upper

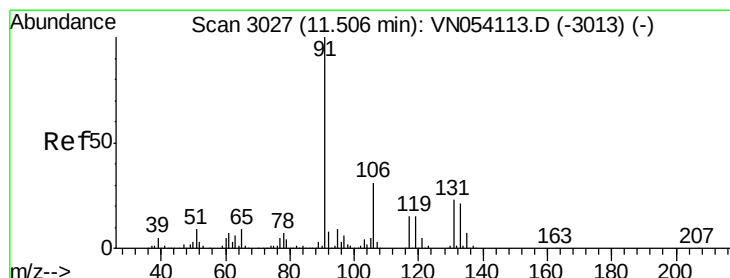
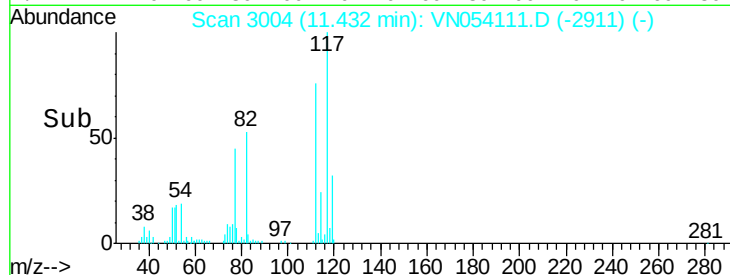
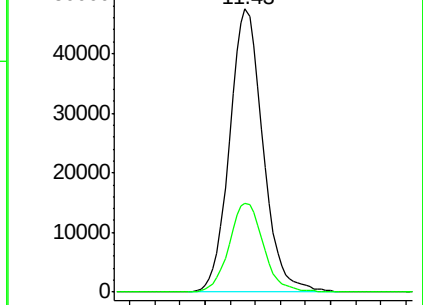
112 100

114 31.5 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.976 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

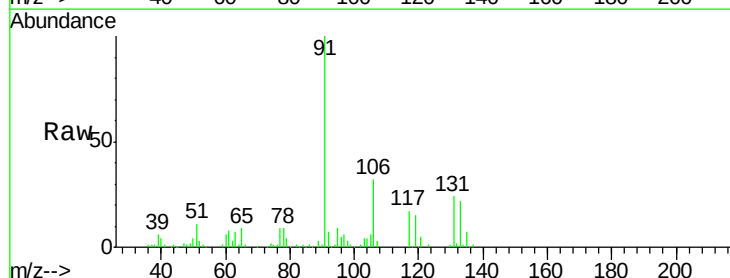
Tgt Ion:131 Resp: 30784

Ion Ratio Lower Upper

131 100

133 96.5 47.6 142.9

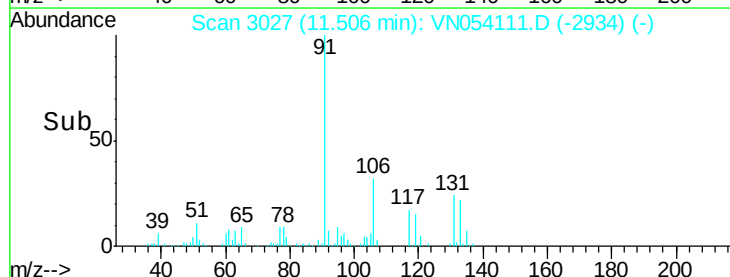
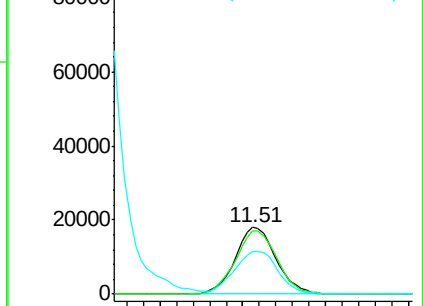
119 68.6 33.8 101.3

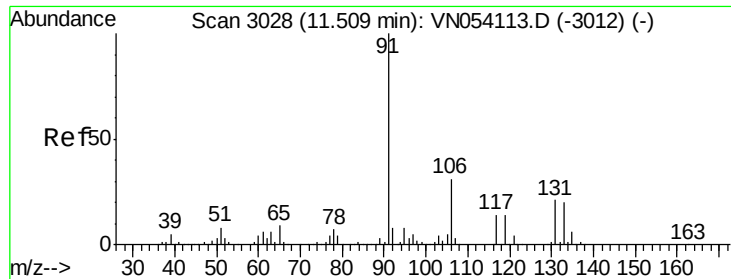


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

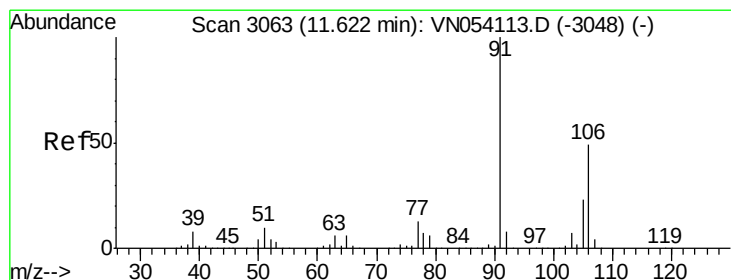
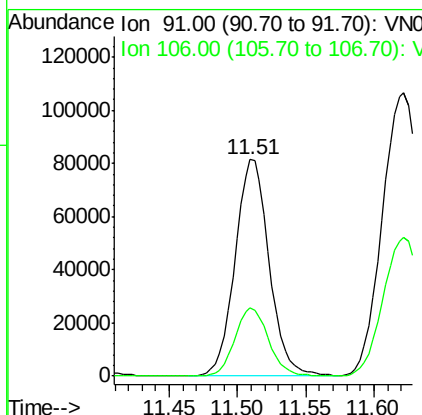
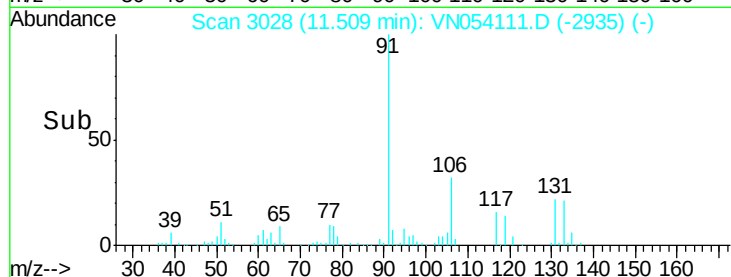
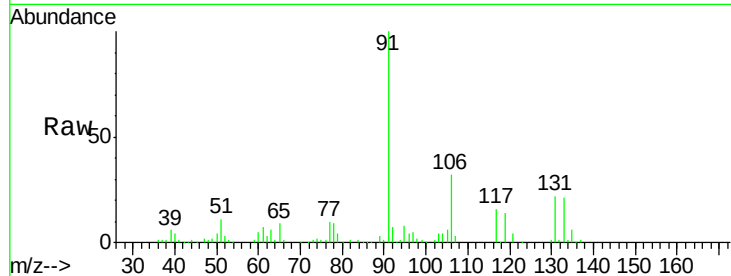




#67
Ethyl Benzene
Concen: 4.904 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

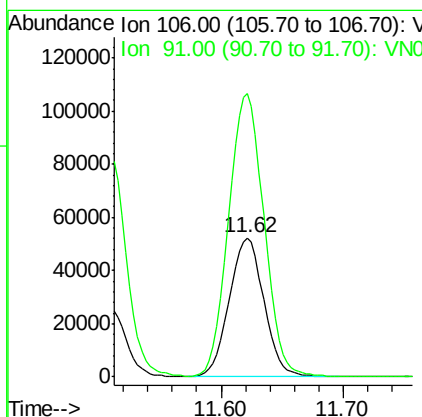
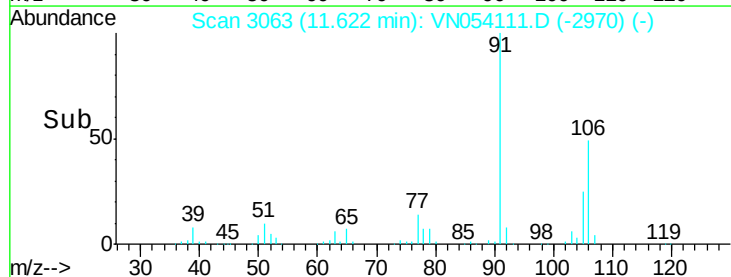
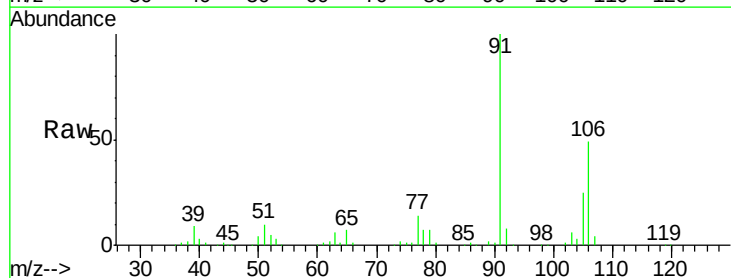
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

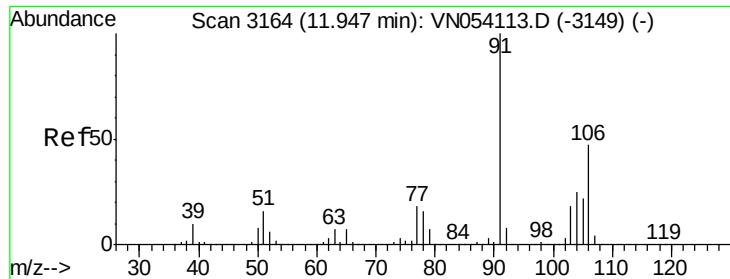
Tot Ion: 91 Resp: 141839
Ion Ratio Lower Upper
91 100
106 31.7 24.6 36.8



#68
m/p-Xylenes
Concen: 9.516 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

Tgt Ion: 106 Resp: 103857
Ion Ratio Lower Upper
106 100
91 206.7 163.2 244.8

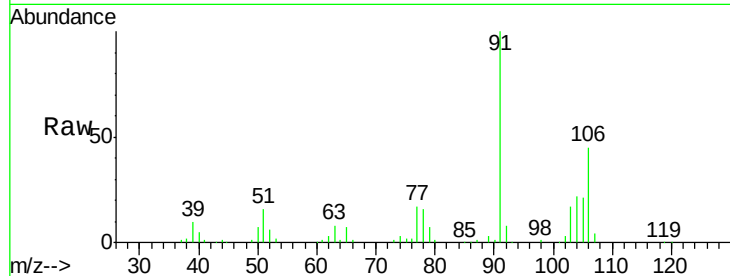




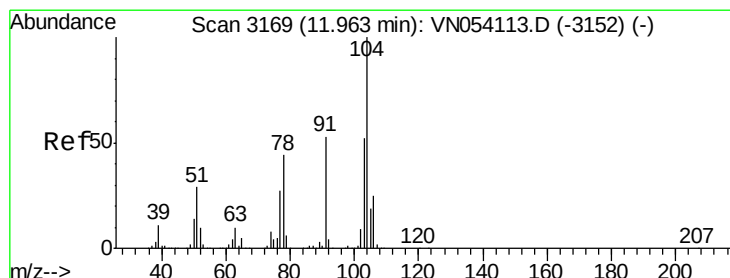
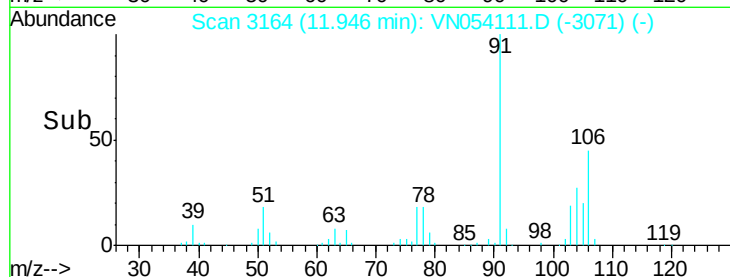
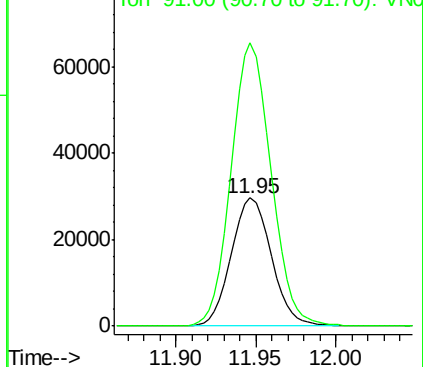
#69
o-Xylene
Concen: 4.849 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 50924
Ion Ratio Lower Upper
106 100
91 218.7 107.1 321.3

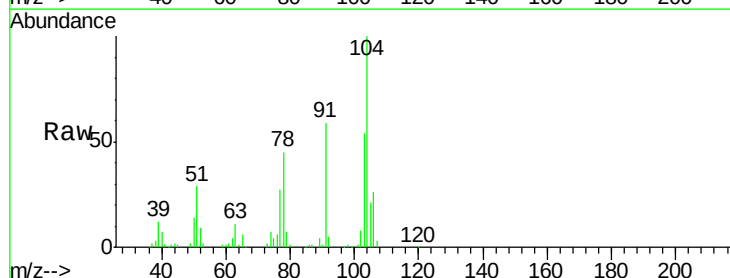


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

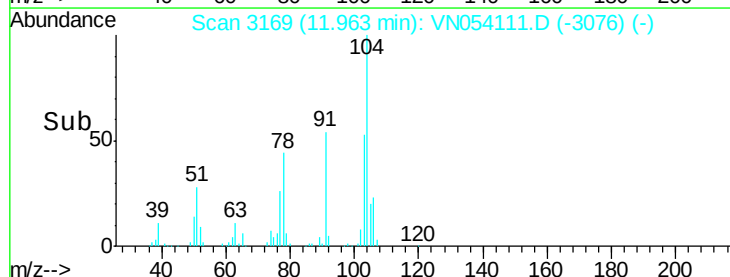
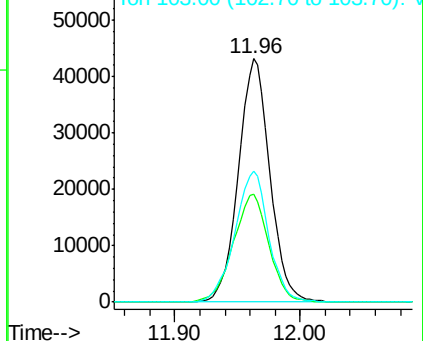


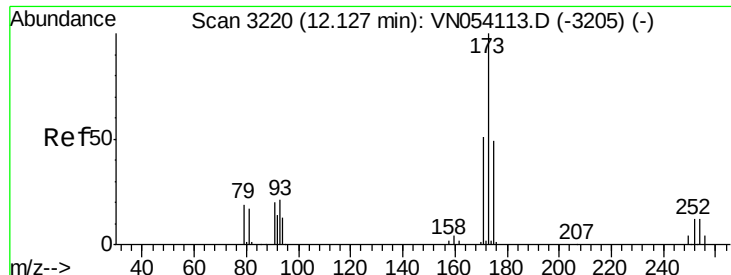
#70
Styrene
Concen: 4.528 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

Tgt Ion:104 Resp: 75481
Ion Ratio Lower Upper
104 100
78 49.7 39.4 59.0
103 57.7 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

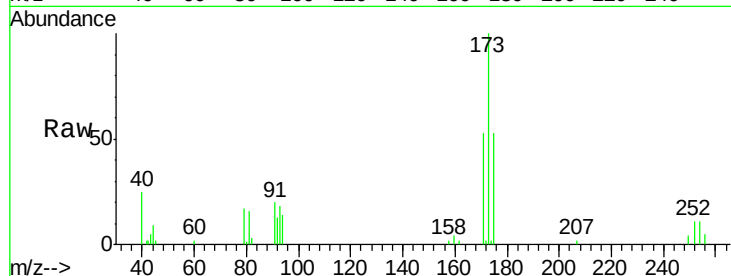




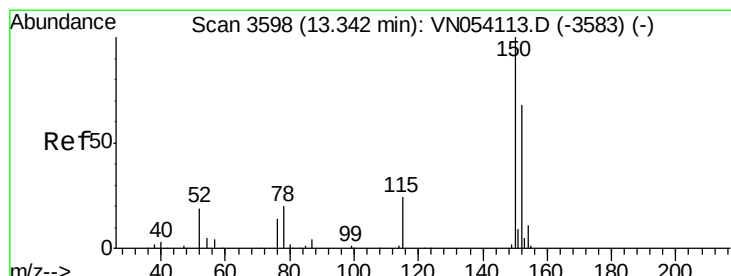
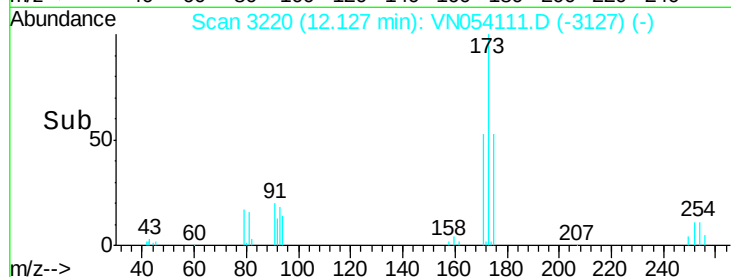
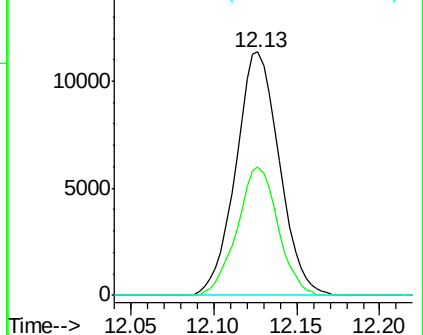
#71
Bromoform
Concen: 4.875 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 20756
Ion Ratio Lower Upper
173 100
175 49.4 24.1 72.2
254 0.0 0.0 0.0

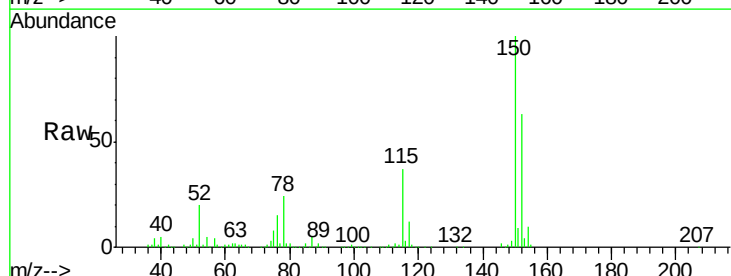


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

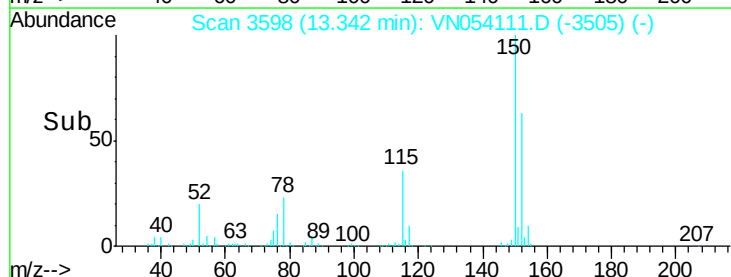
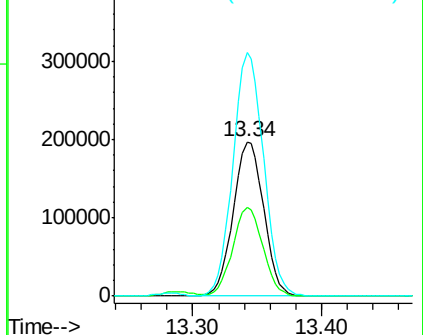


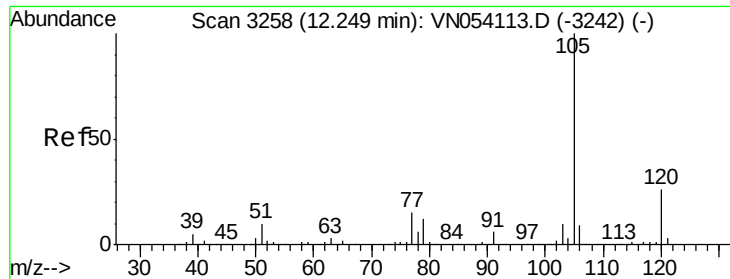
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054111.D
Acq: 6 Mar 2019 10:35

Tgt Ion:152 Resp: 323166
Ion Ratio Lower Upper
152 100
115 56.9 28.5 85.6
150 158.8 0.0 343.2



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: 5.369 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

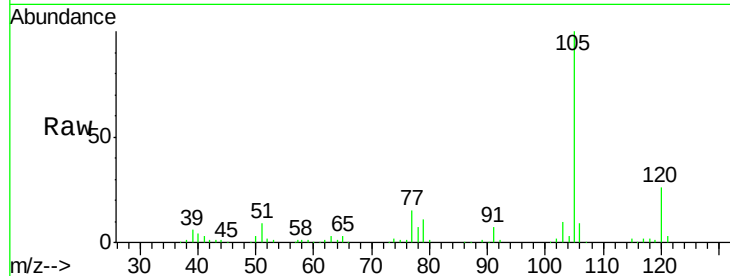
VSTDIC005

Tot Ion:105 Resp: 138066

Ion Ratio Lower Upper

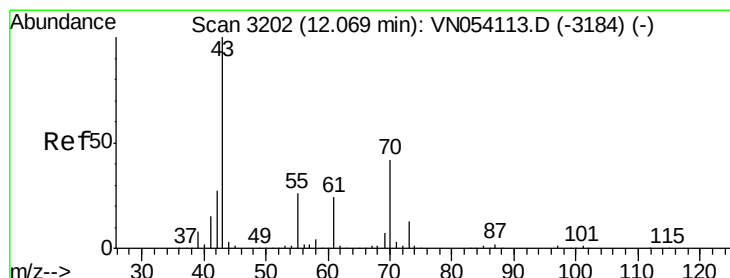
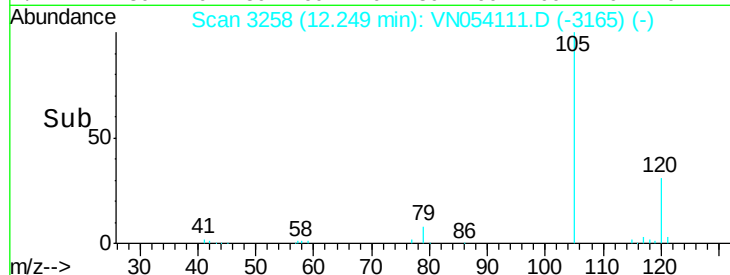
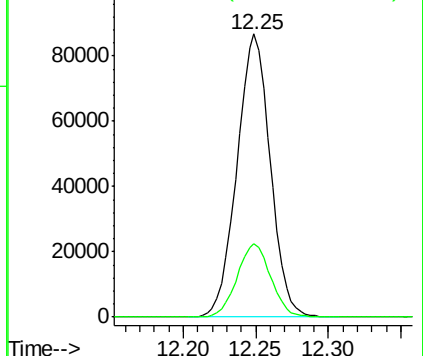
105 100

120 26.2 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.434 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Tgt Ion: 43 Resp: 30194

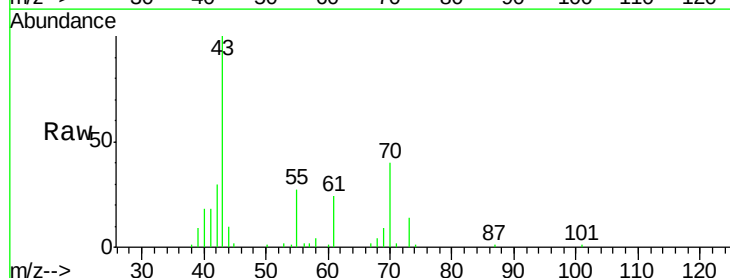
Ion Ratio Lower Upper

43 100

70 38.4 33.6 50.4

55 26.6 20.6 31.0

61 22.6 19.4 29.2

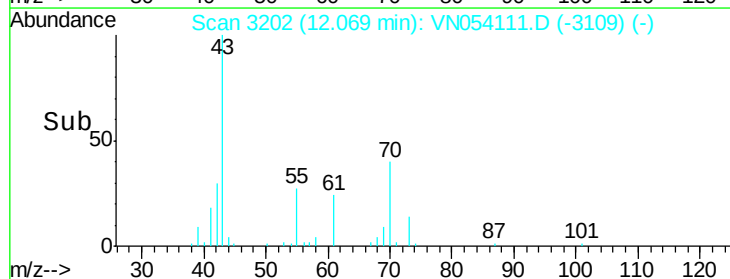
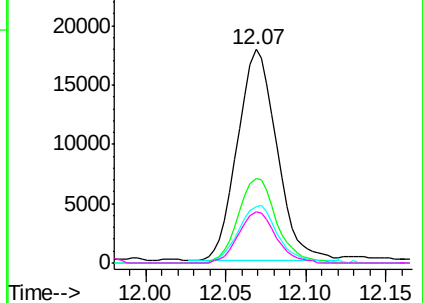


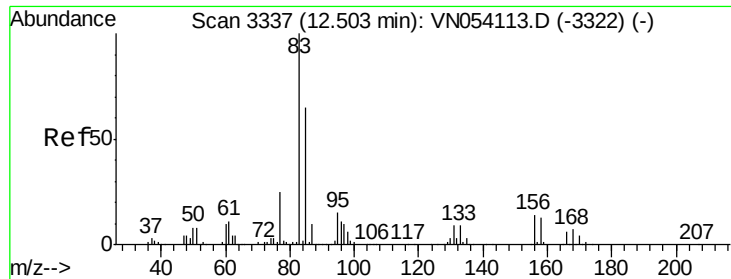
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 4.815 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

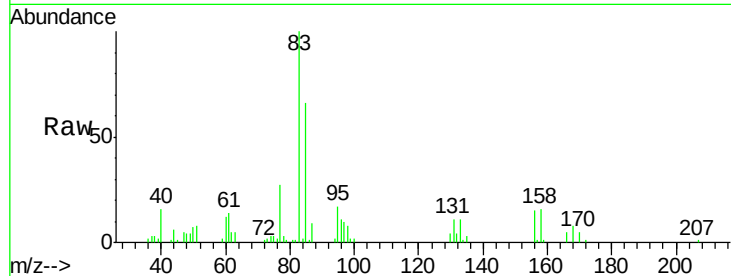
Tot Ion: 83 Resp: 32226

Ion Ratio Lower Upper

83 100

131 11.0 5.0 14.9

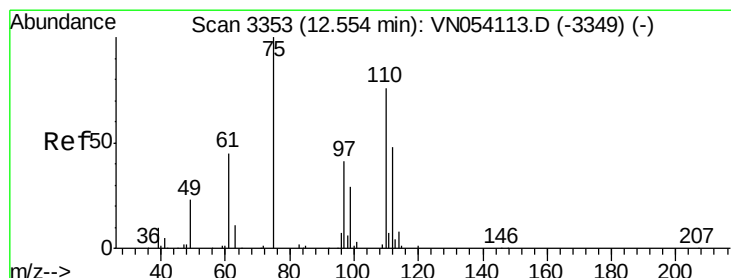
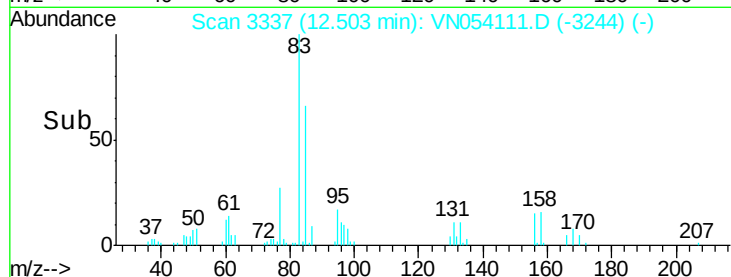
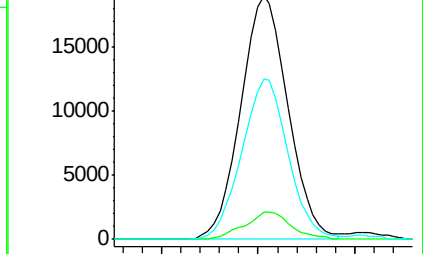
85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN054111.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN054111.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN054111.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 7.729 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN054111.D

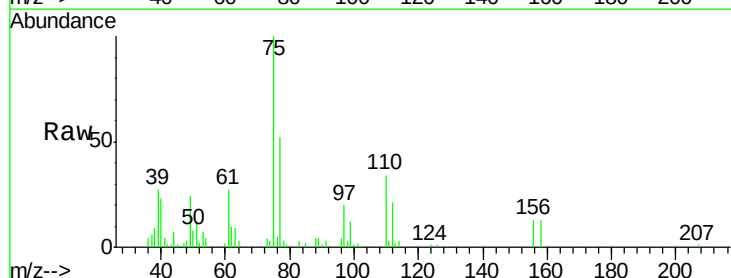
Acq: 6 Mar 2019 10:35

Tgt Ion: 75 Resp: 39054

Ion Ratio Lower Upper

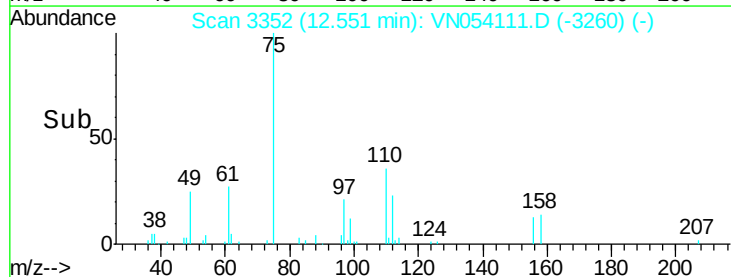
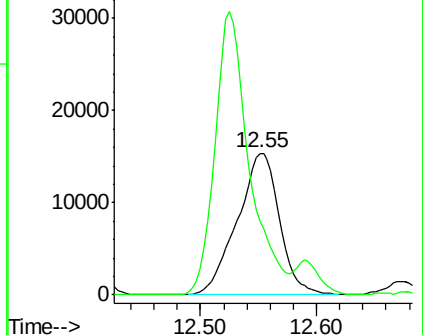
75 100

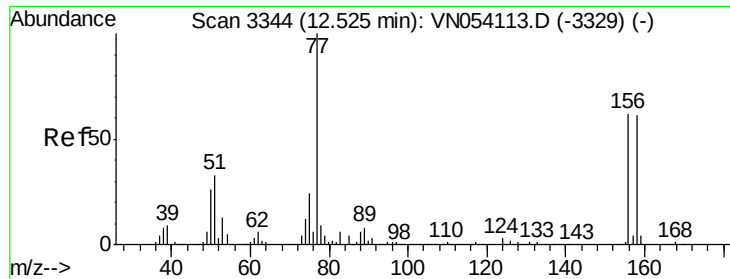
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054111.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN054111.D (-3352) (-)





#77

Bromobenzene

Concen: 4.830 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

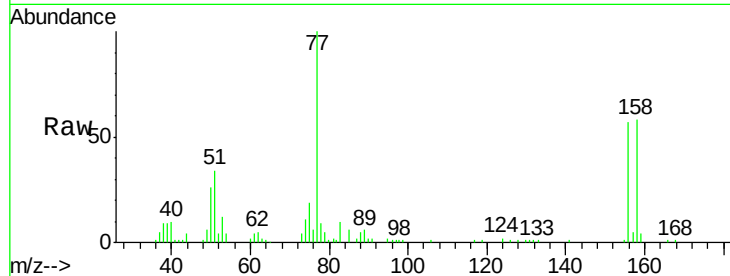
Tot Ion:156 Resp: 31999

Ion Ratio Lower Upper

156 100

77 198.2 93.6 280.8

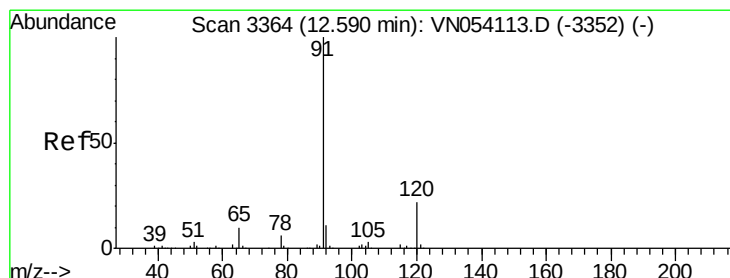
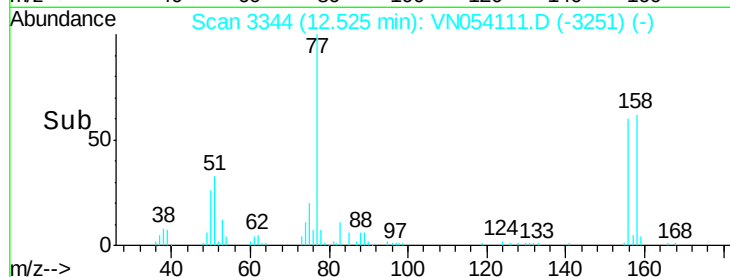
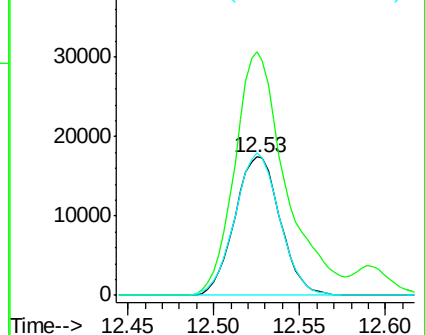
158 101.0 48.4 145.0



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: 5.121 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054111.D

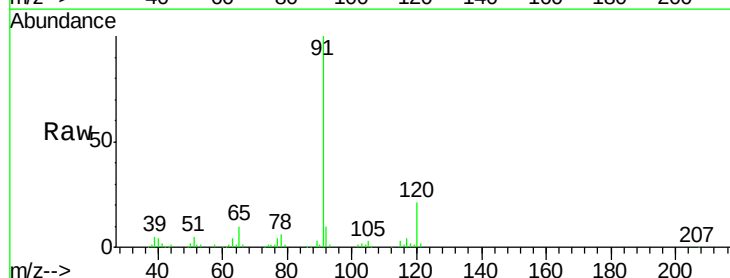
Acq: 6 Mar 2019 10:35

Tgt Ion: 91 Resp: 148186

Ion Ratio Lower Upper

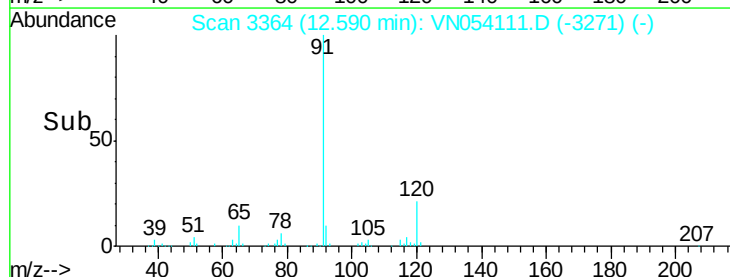
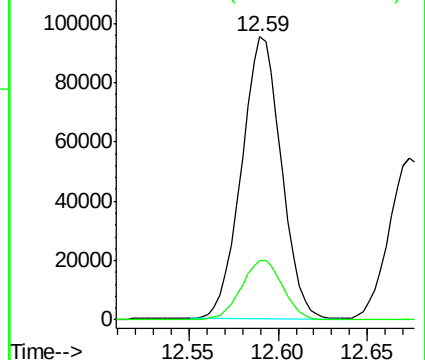
91 100

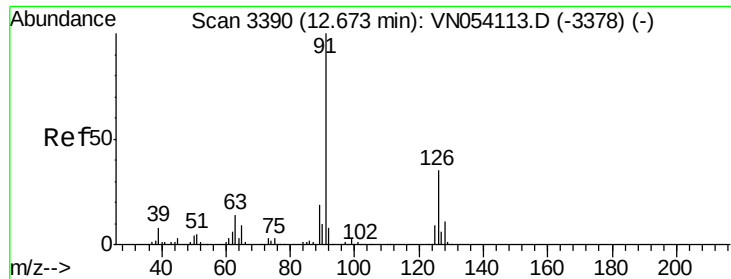
120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.223 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

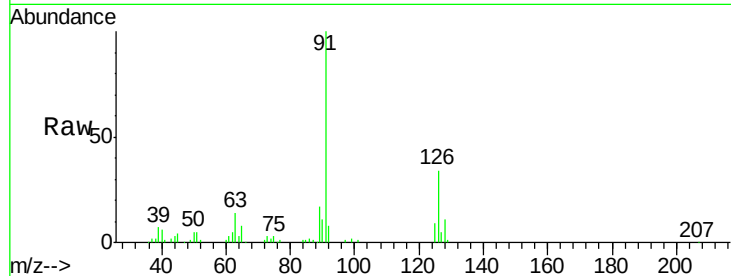
VSTDIC005

Tot Ion: 91 Resp: 91795

Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN054111.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN054111.D (-3390) (-)

80000

60000

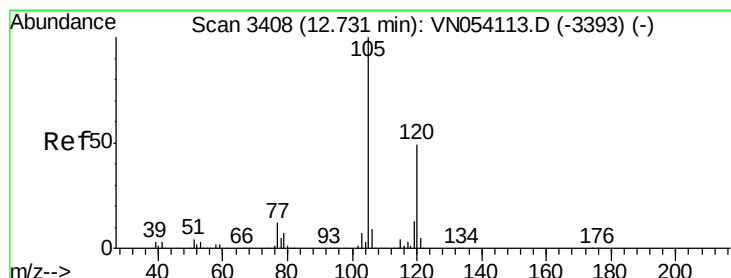
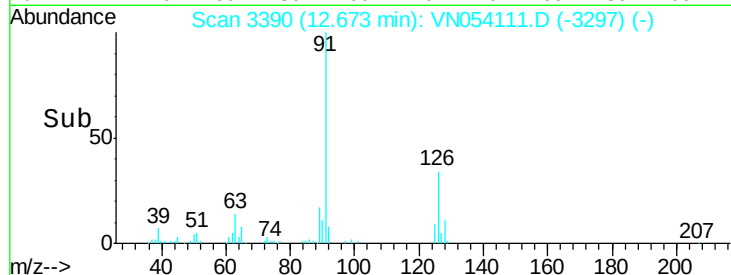
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.194 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054111.D

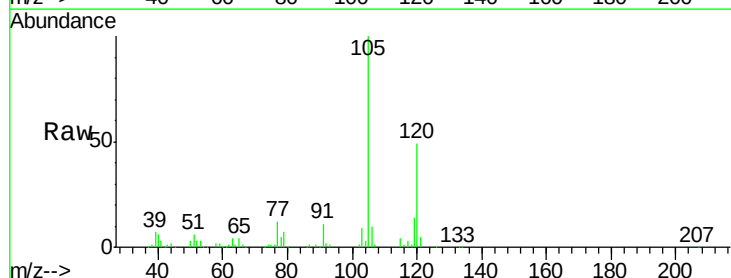
Acq: 6 Mar 2019 10:35

Tgt Ion: 105 Resp: 108565

Ion Ratio Lower Upper

105 100

120 48.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VN054111.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN054111.D (-3408) (-)

80000

60000

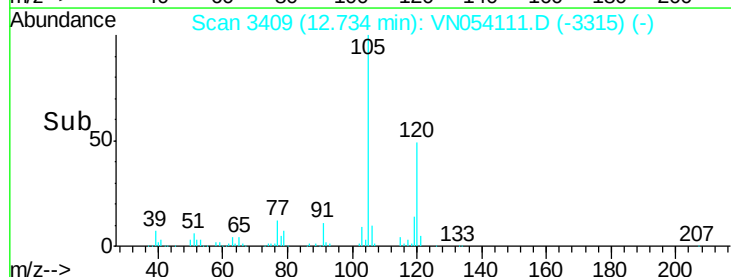
40000

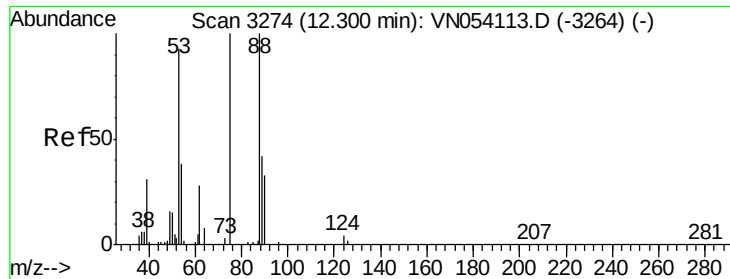
20000

0

12.65 12.70 12.75 12.80

Time-->

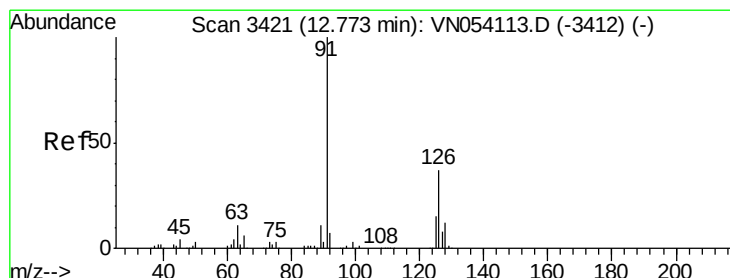
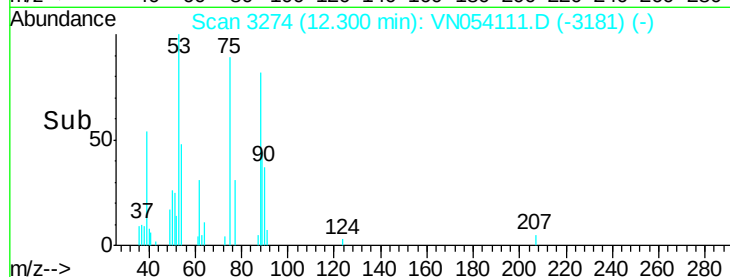
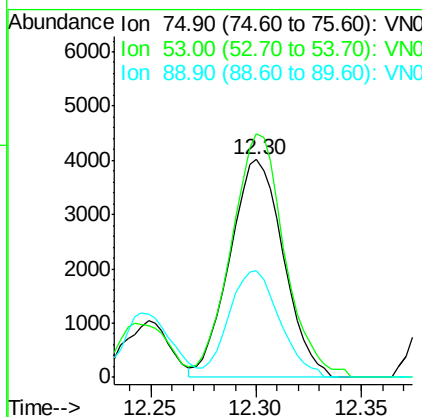
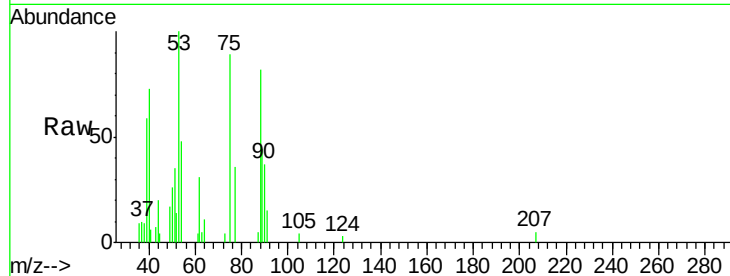




#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.432 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

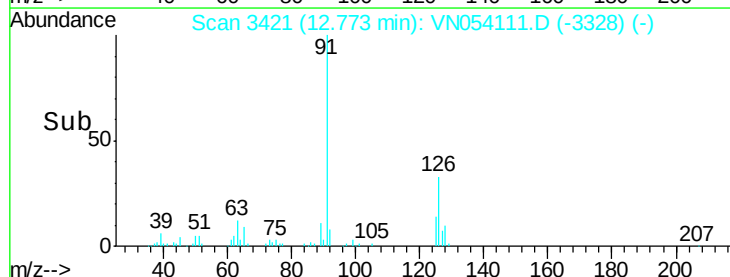
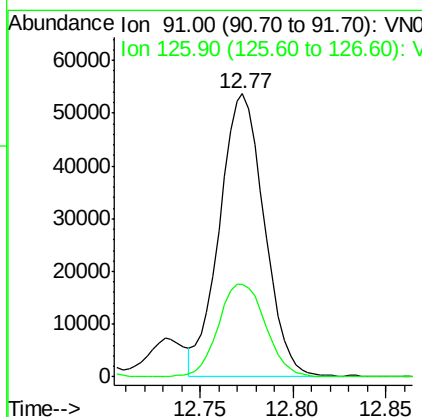
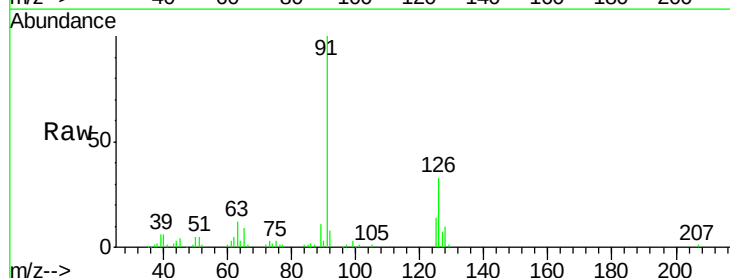
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

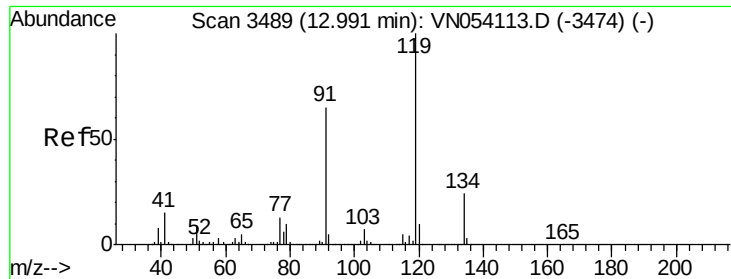
Tot Ion: 75 Resp: 7107
 Ion Ratio Lower Upper
 75 100
 53 111.6 76.4 114.6
 89 46.8 35.3 52.9



#82
 4-Chlorotoluene
 Concen: 5.090 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

Tgt Ion: 91 Resp: 89168
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.1 51.3

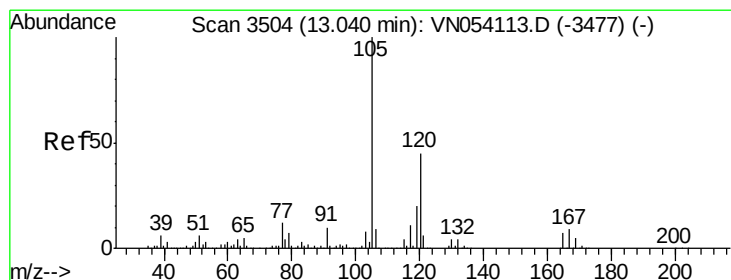
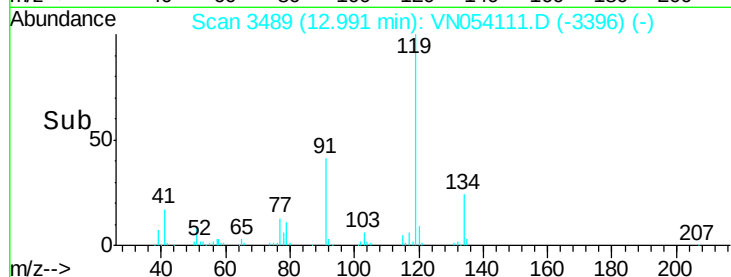
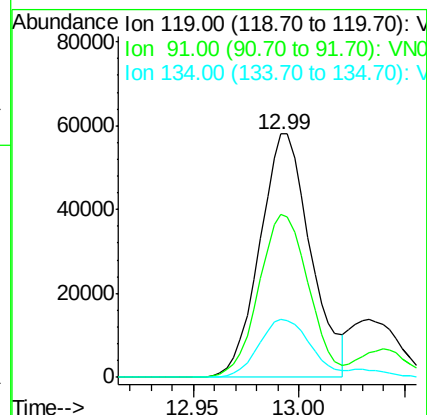
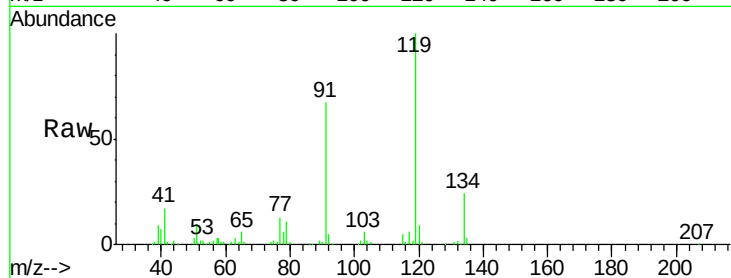




#83
 tert-Butylbenzene
 Concen: 5.265 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

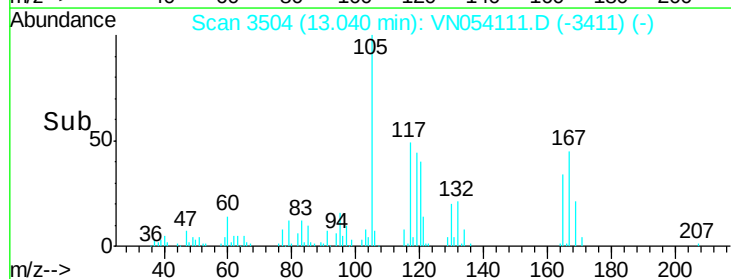
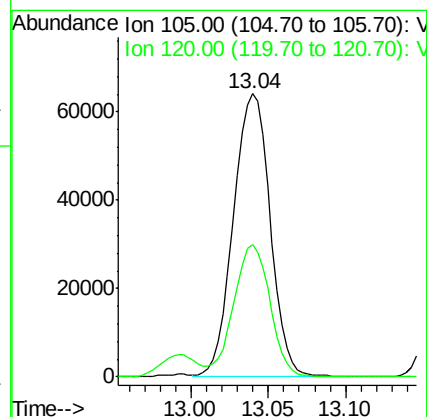
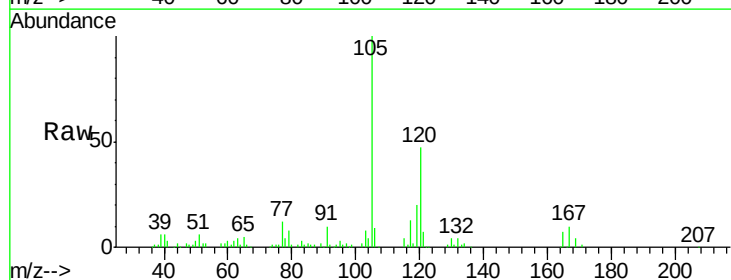
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

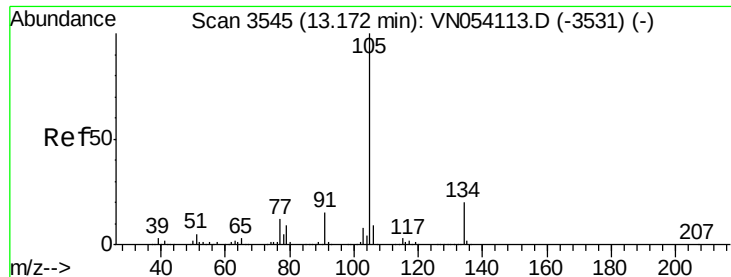
Tot Ion:119 Resp: 97459
 Ion Ratio Lower Upper
 119 100
 91 65.6 31.8 95.3
 134 24.0 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 5.111 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

Tgt Ion:105 Resp: 106044
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.6 67.7





#85

sec-Butylbenzene

Concen: 5.266 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

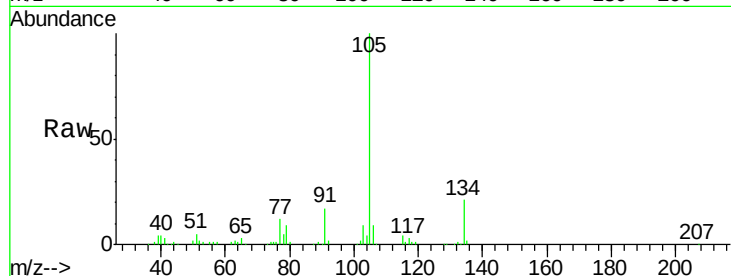
VSTDIC005

Tot Ion:105 Resp: 132285

Ion Ratio Lower Upper

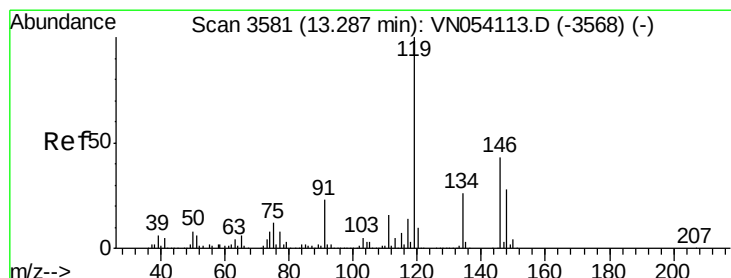
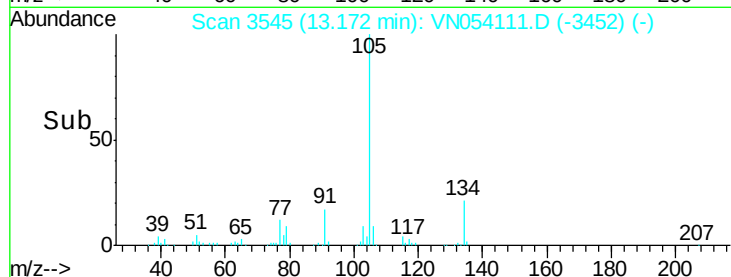
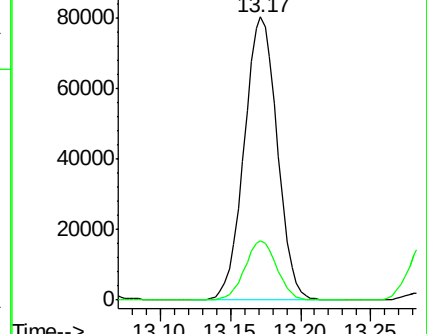
105 100

134 20.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.036 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

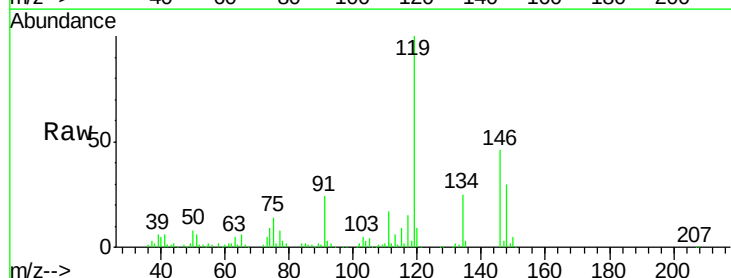
Tgt Ion:119 Resp: 106359

Ion Ratio Lower Upper

119 100

134 25.7 13.2 39.5

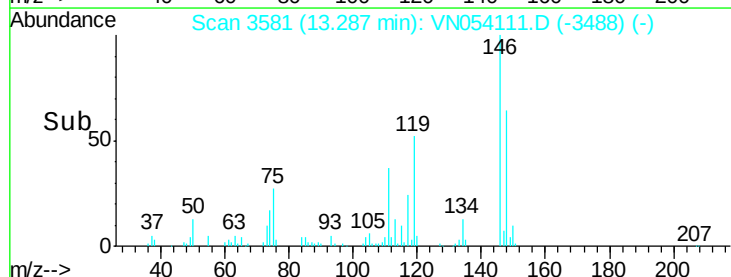
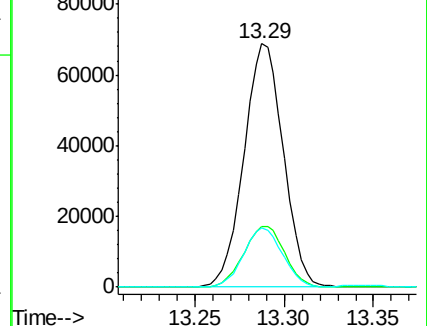
91 24.3 11.4 34.2

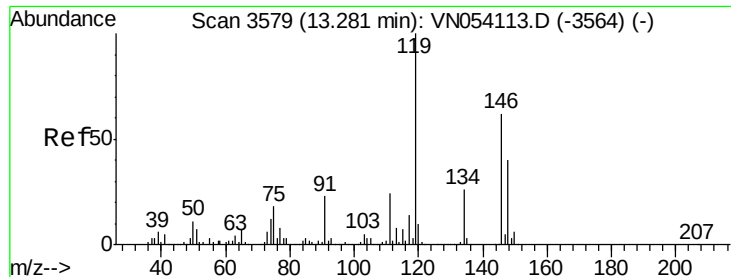


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.074 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

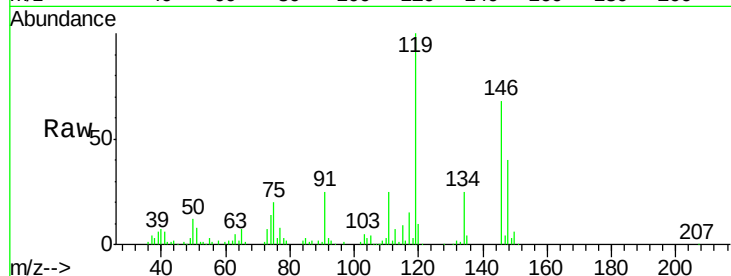
Tot Ion:146 Resp: 57097

Ion Ratio Lower Upper

146 100

111 37.9 19.3 57.8

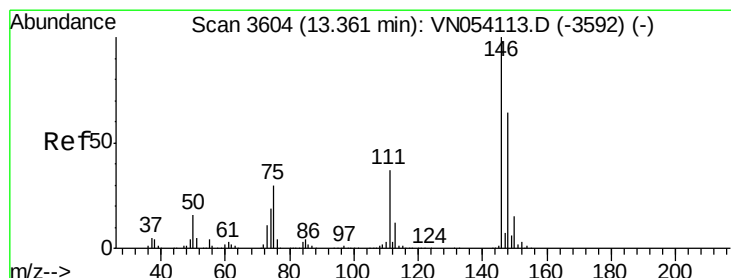
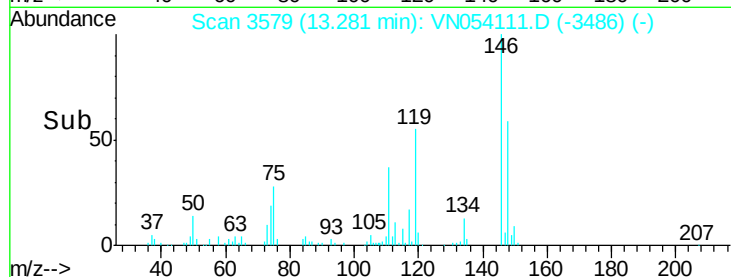
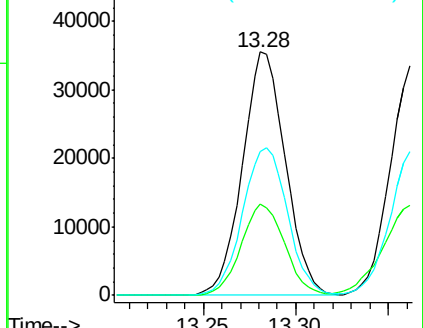
148 63.5 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 4.961 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

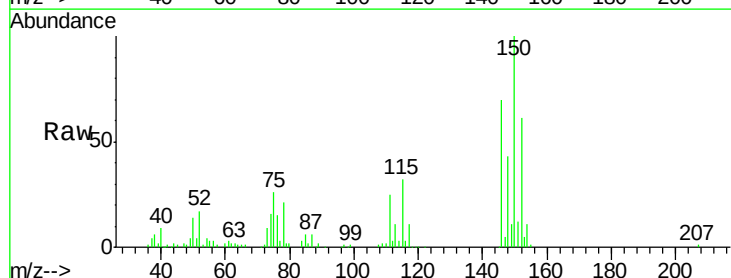
Tgt Ion:146 Resp: 55408

Ion Ratio Lower Upper

146 100

111 43.1 18.9 56.5

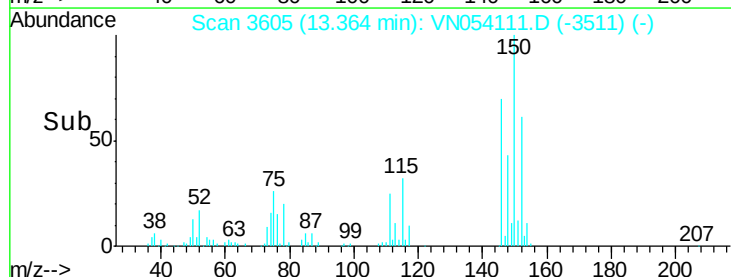
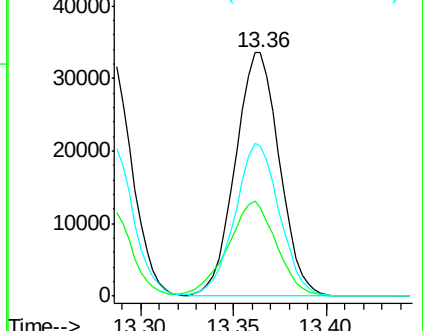
148 63.5 32.1 96.5

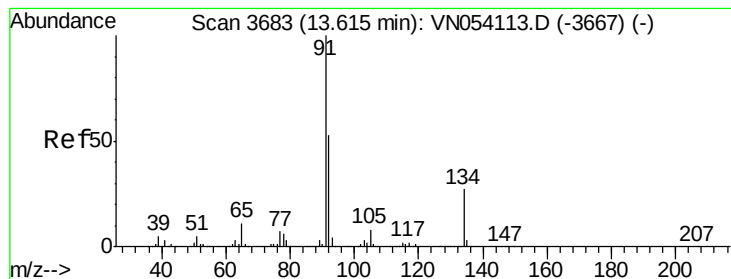


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 4.571 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

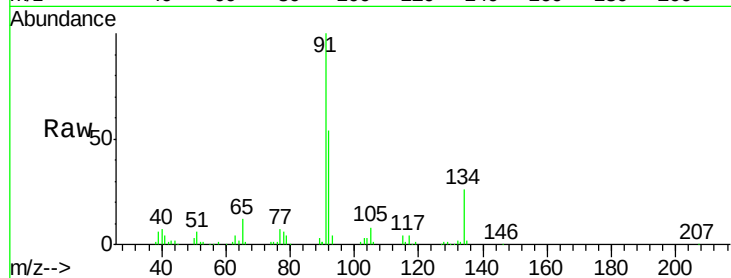
Tot Ion: 91 Resp: 81502

Ion Ratio Lower Upper

91 100

92 53.0 26.0 78.0

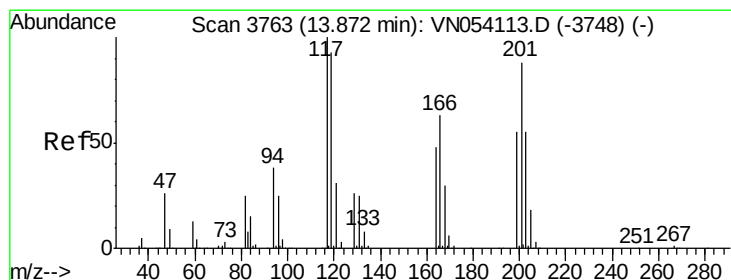
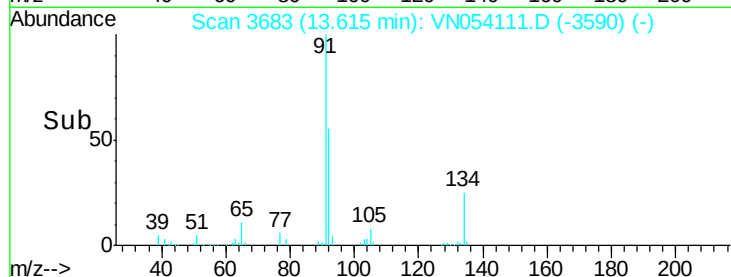
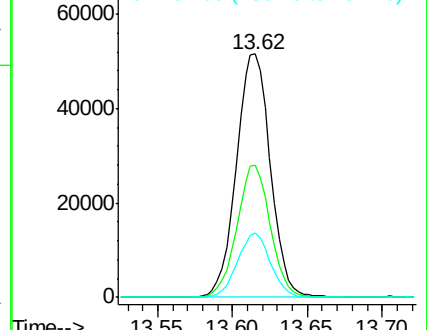
134 25.5 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 5.310 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054111.D

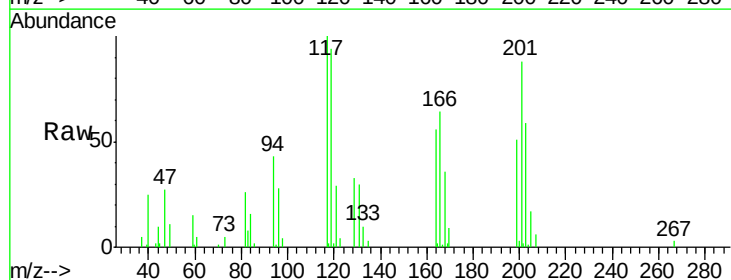
Acq: 6 Mar 2019 10:35

Tgt Ion: 117 Resp: 21510

Ion Ratio Lower Upper

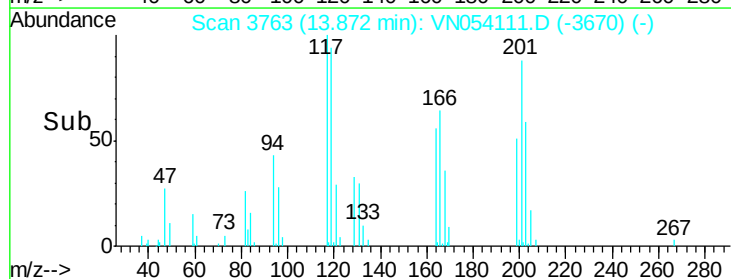
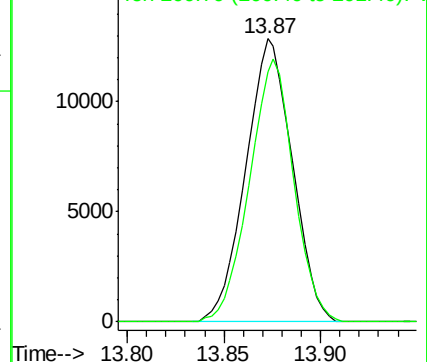
117 100

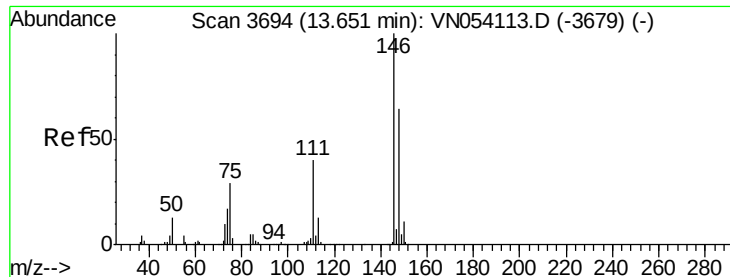
201 88.6 44.9 134.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

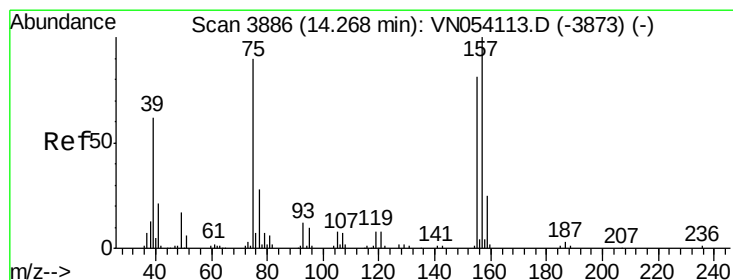
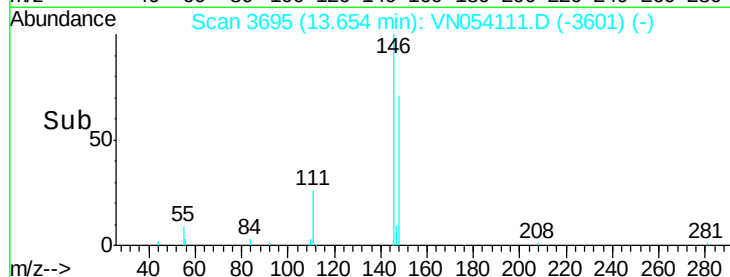
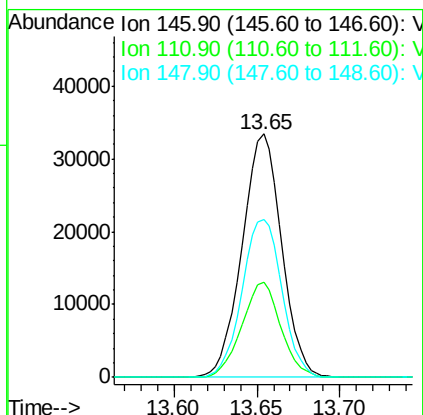
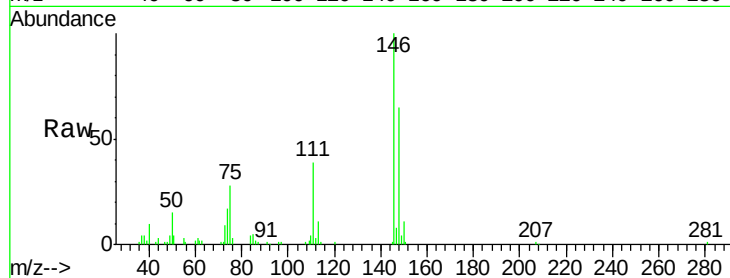




#91
 1,2-Dichlorobenzene
 Concen: 4.953 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

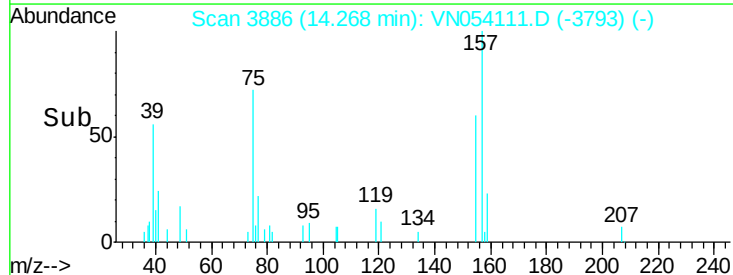
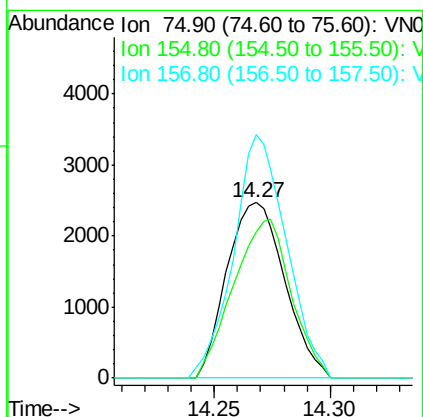
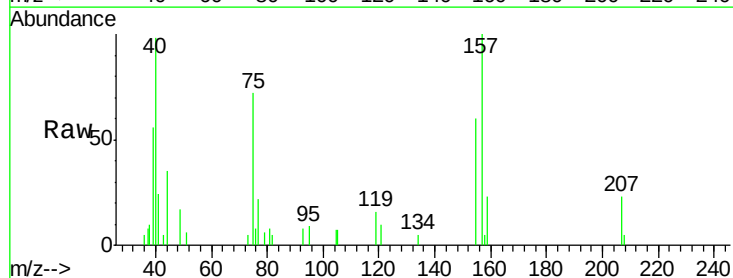
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

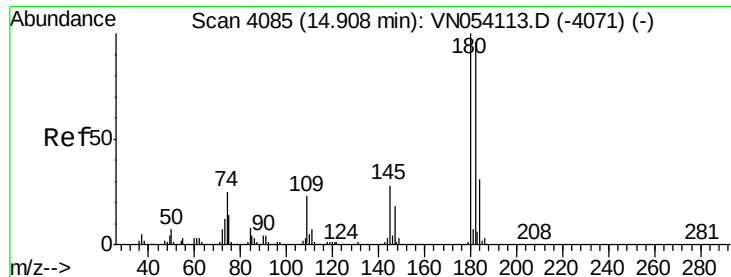
Tot Ion:146 Resp: 55481
 Ion Ratio Lower Upper
 146 100
 111 38.4 20.0 60.0
 148 65.4 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.571 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054111.D
 Acq: 6 Mar 2019 10:35

Tgt Ion: 75 Resp: 4289
 Ion Ratio Lower Upper
 75 100
 155 89.7 44.5 133.5
 157 126.4 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 3.289 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

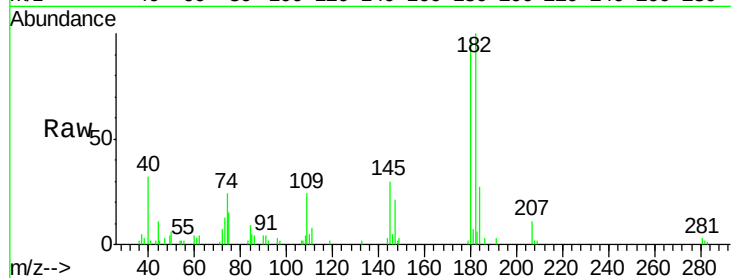
Tot Ion:180 Resp: 17589

Ion Ratio Lower Upper

180 100

182 95.3 48.1 144.3

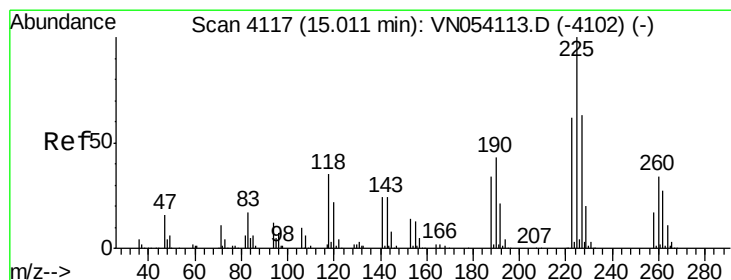
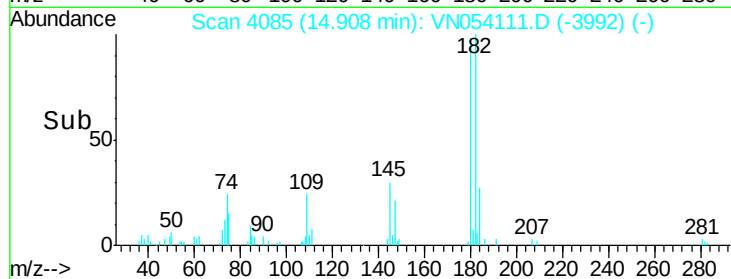
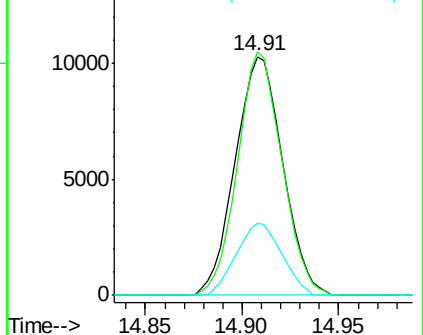
145 28.9 13.9 41.7



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: 5.686 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

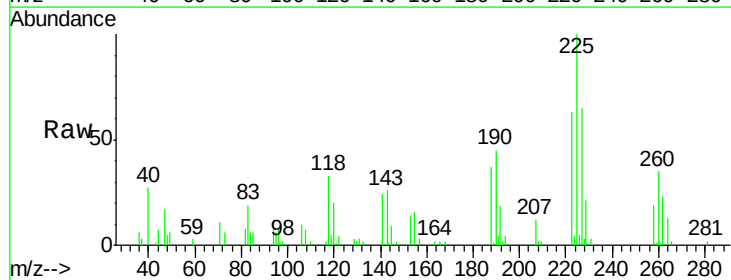
Tgt Ion:225 Resp: 22797

Ion Ratio Lower Upper

225 100

223 59.6 31.2 93.6

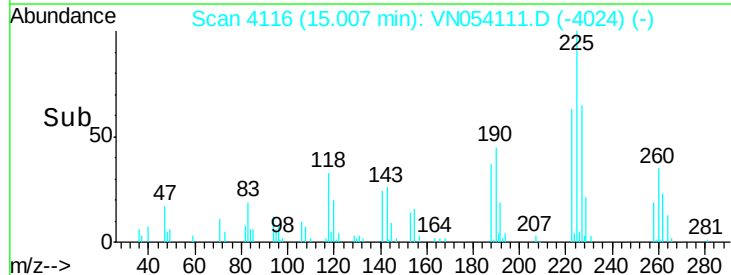
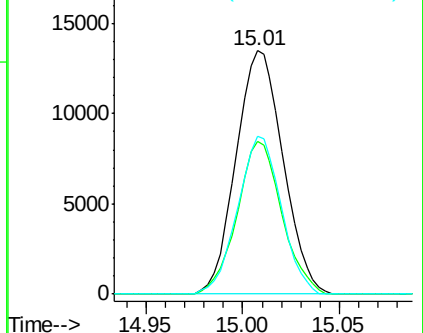
227 59.9 31.9 95.7

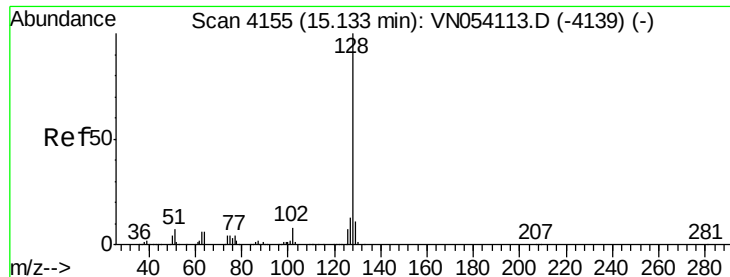


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.718 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

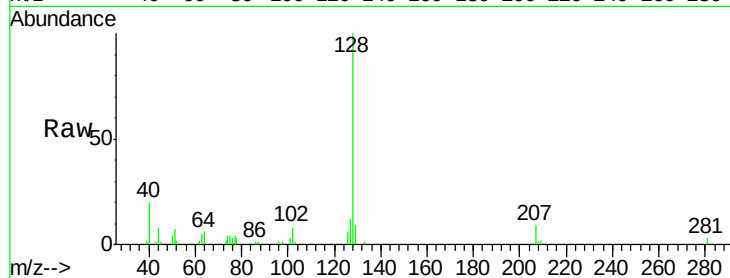
Tot Ion:128 Resp: 29974

Ion Ratio Lower Upper

128 100

127 11.7 10.4 15.6

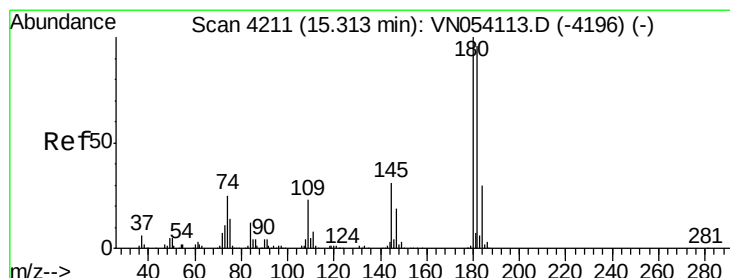
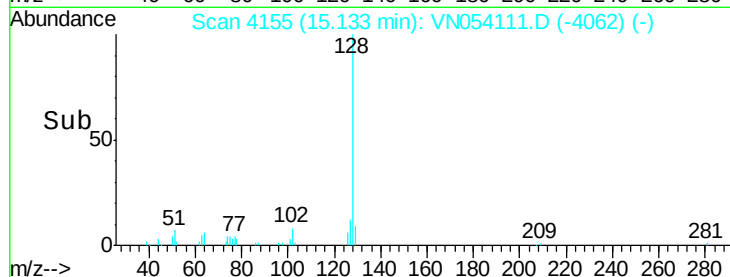
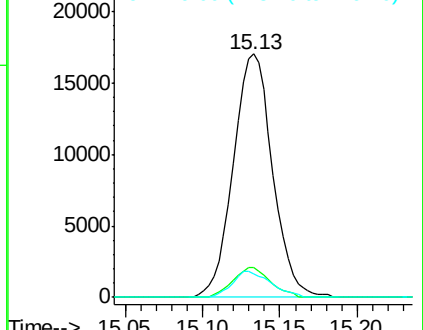
129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.414 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054111.D

Acq: 6 Mar 2019 10:35

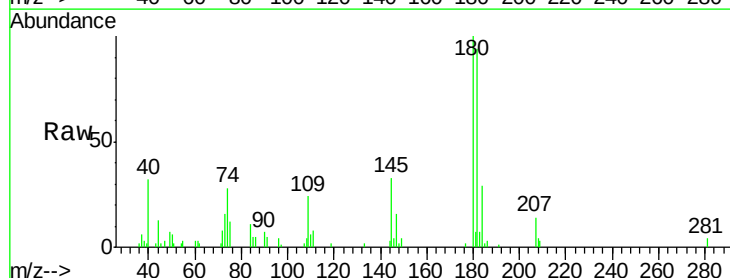
Tgt Ion:180 Resp: 18376

Ion Ratio Lower Upper

180 100

182 92.5 47.9 143.7

145 30.6 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

