

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\
 Data File : VN054688.D
 Acq On : 26 Mar 2019 10:35
 Operator : JC/SP
 Sample : VN0326WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 27 04:04:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	452919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	728599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	630503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	268124	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	309456	54.93	ug/l	0.00
Spiked Amount			Recovery	=	109.86%	
35) Dibromofluoromethane	7.59	113	244376	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
50) Toluene-d8	10.09	98	891756	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.40	95	298255	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	90090	20.807	ug/l	96
3) Chloromethane	2.06	50	127459	21.636	ug/l	99
4) Vinyl Chloride	2.19	62	114162	19.302	ug/l	99
5) Bromomethane	2.58	94	67089	17.542	ug/l	99
6) Chloroethane	2.71	64	65271	18.399	ug/l	96
7) Trichlorofluoromethane	3.03	101	149106	20.759	ug/l	99
8) Diethyl Ether	3.41	74	48902	17.702	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	77022	18.246	ug/l	92
10) Methyl Iodide	3.95	142	108106	17.409	ug/l #	88
11) Tert butyl alcohol	4.82	59	35276	103.427	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	76429	17.495	ug/l #	74
13) Acrolein	3.61	56	50358	106.990	ug/l	99
14) Allyl chloride	4.32	41	181119	22.017	ug/l #	91
15) Acrylonitrile	5.00	53	193582	113.973	ug/l	100
16) Acetone	3.82	43	180557	106.602	ug/l #	84
17) Carbon Disulfide	4.04	76	212182	18.127	ug/l	100
18) Methyl Acetate	4.33	43	89701	23.761	ug/l #	90
19) Methyl tert-butyl Ether	5.05	73	275072	21.575	ug/l	93
20) Methylene Chloride	4.54	84	105886	21.208	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	96177	21.560	ug/l	89
22) Diisopropyl ether	5.96	45	377367	23.257	ug/l #	93
23) Vinyl Acetate	5.90	43	1307907	114.127	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	201259	23.036	ug/l	98
25) 2-Butanone	6.85	43	256873	118.392	ug/l #	87
26) 2,2-Dichloropropane	6.83	77	141101	22.656	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	112952	21.229	ug/l	88
28) Bromochloromethane	7.19	49	103496	24.067	ug/l #	73
29) Tetrahydrofuran	7.22	42	161079	114.404	ug/l #	84
30) Chloroform	7.37	83	191137	22.418	ug/l	100
31) Cyclohexane	7.65	56	185033	21.026	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	157856	22.441	ug/l	94
36) 1,1-Dichloropropene	7.79	75	141193	20.726	ug/l	95
37) Ethyl Acetate	6.94	43	107428	22.172	ug/l #	91
38) Carbon Tetrachloride	7.77	117	134589	20.330	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	154189	19.786	ug/l	89
40) Benzene	8.04	78	412886	21.195	ug/l	97
41) Methacrylonitrile	7.18	41	64884	21.958	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	155197	21.876	ug/l	97
43) Isopropyl Acetate	8.17	43	178766	21.846	ug/l #	94
44) Trichloroethene	8.83	130	111774	20.638	ug/l	95
45) 1,2-Dichloropropane	9.12	63	121464	23.220	ug/l	99
46) Dibromomethane	9.21	93	68828	22.056	ug/l	86
47) Bromodichloromethane	9.40	83	142935	22.070	ug/l	98
48) Methyl methacrylate	9.20	41	92844	20.904	ug/l	88
49) 1,4-Dioxane	9.21	88	20072	404.251	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	519984	114.660	ug/l	93
52) Toluene	10.16	92	249682	20.839	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	125999	19.851	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	158485	21.342	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	93686	21.753	ug/l	95
56) Ethyl methacrylate	10.43	69	119097	20.602	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	163543	21.844	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	215296	90.446	ug/l	89
59) 2-Hexanone	10.75	43	329457	111.219	ug/l	91
60) Dibromochloromethane	10.90	129	96458	21.047	ug/l	99
61) 1,2-Dibromoethane	11.00	107	89776	21.085	ug/l	99
64) Tetrachloroethene	10.63	164	105315	20.138	ug/l	96
65) Chlorobenzene	11.43	112	264678	20.640	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	99515	21.620	ug/l	98
67) Ethyl Benzene	11.51	91	470321	20.763	ug/l	96
68) m/p-Xylenes	11.62	106	355604	41.445	ug/l	97
69) o-Xylene	11.95	106	171642	20.484	ug/l	95
70) Styrene	11.96	104	280452	20.610	ug/l	96
71) Bromoform	12.13	173	56750	19.310	ug/l #	99
73) Isopropylbenzene	12.25	105	454678	21.044	ug/l	98
74) N-amyl acetate	12.07	43	140229	22.572	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	110949	22.495	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	133955	31.484	ug/l #	100
77) Bromobenzene	12.53	156	112201	20.939	ug/l	86
78) n-propylbenzene	12.59	91	505065	21.558	ug/l	97
79) 2-Chlorotoluene	12.67	91	306751	20.996	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	375692	21.216	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	22312	20.103	ug/l #	78
82) 4-Chlorotoluene	12.77	91	300767	21.238	ug/l	96
83) tert-Butylbenzene	12.99	119	329051	21.348	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	371004	21.352	ug/l	97
85) sec-Butylbenzene	13.17	105	411030	21.391	ug/l	97
86) p-Isopropyltoluene	13.29	119	362150	21.067	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	185688	20.911	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	174424	20.188	ug/l	96
89) n-Butylbenzene	13.61	91	283492	21.090	ug/l	97
90) Hexachloroethane	13.87	117	57104	21.400	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	183173	21.296	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16996	23.494	ug/l	81

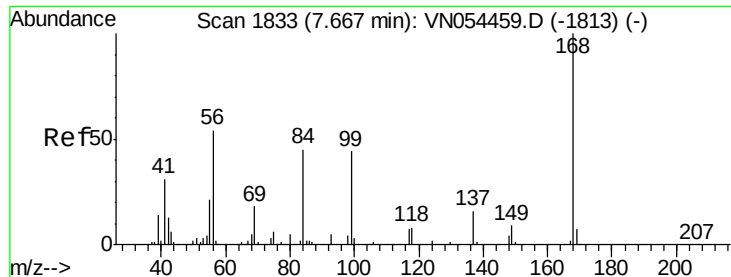
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	82354	19.207	ug/l	99
94) Hexachlorobutadiene	15.01	225	58875	23.106	ug/l	99
95) Naphthalene	15.13	128	185057	19.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	83531	19.574	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

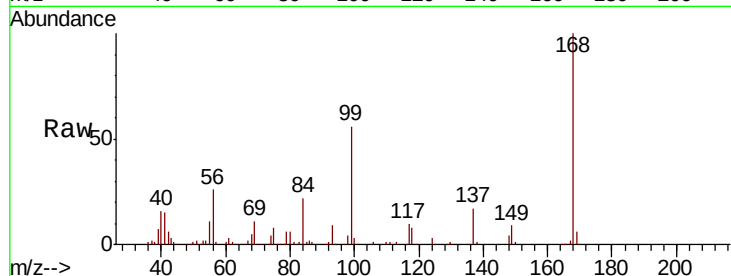
ClientSampleId :

Tot Ion:168 Resp: 452919

Ion Ratio Lower Upper

168 100

99 55.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

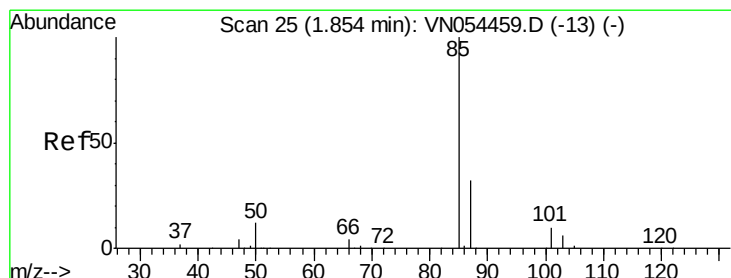
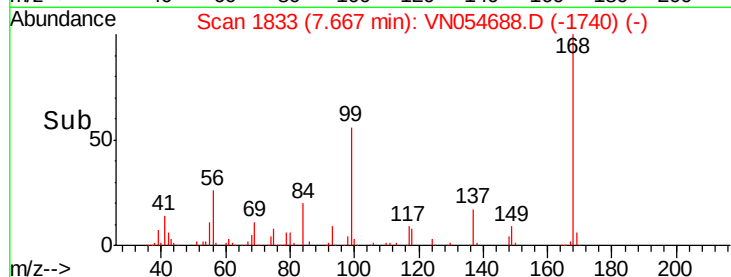
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.807 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054688.D

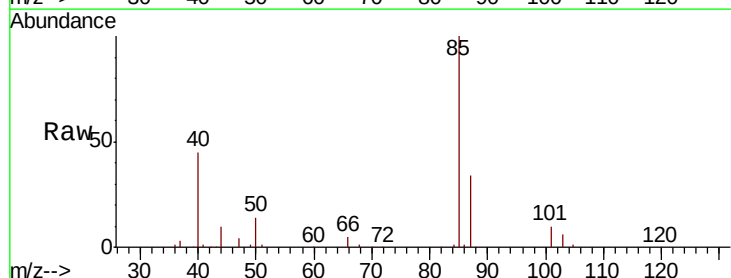
Acq: 26 Mar 2019 10:35

Tgt Ion: 85 Resp: 90090

Ion Ratio Lower Upper

85 100

87 33.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

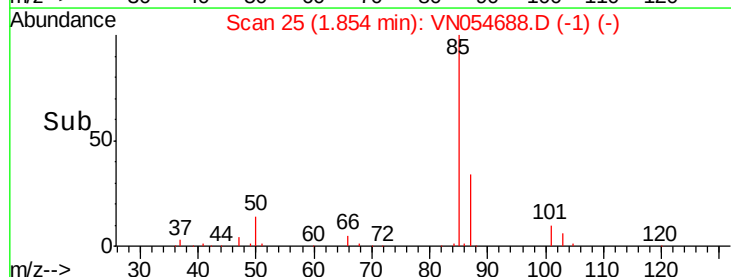
40000

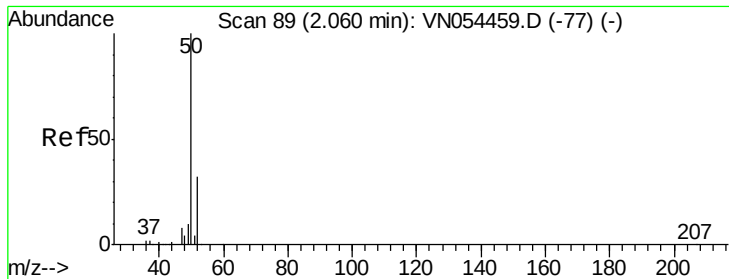
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.636 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

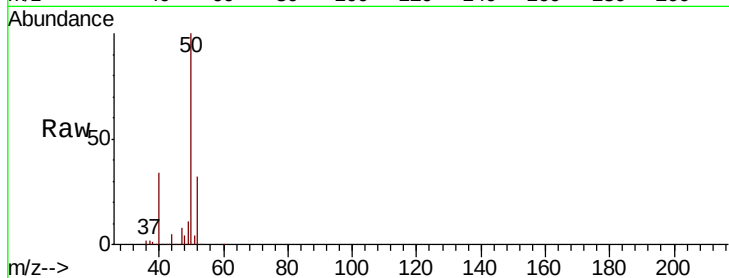
ClientSampleId :

Tot Ion: 50 Resp: 127459

Ion Ratio Lower Upper

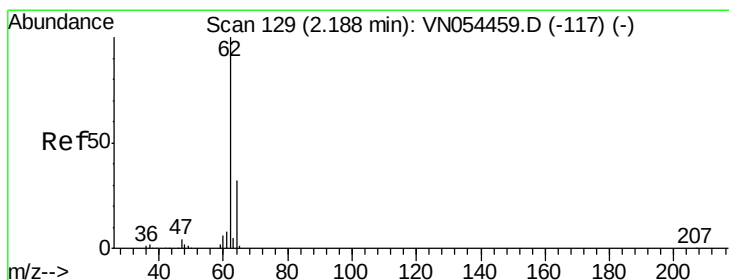
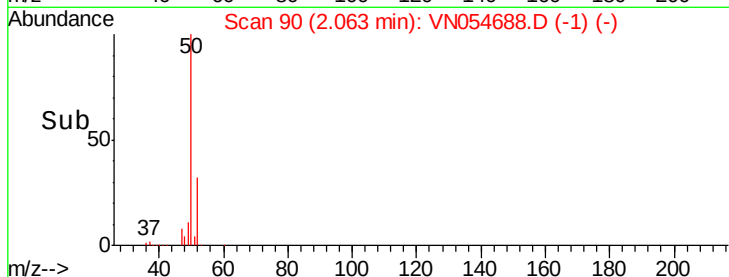
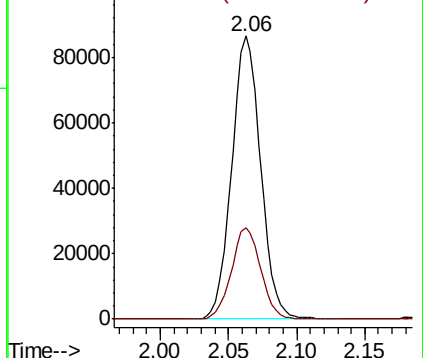
50 100

52 32.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.302 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054688.D

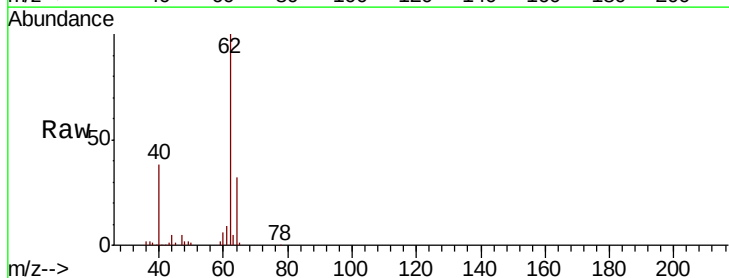
Acq: 26 Mar 2019 10:35

Tgt Ion: 62 Resp: 114162

Ion Ratio Lower Upper

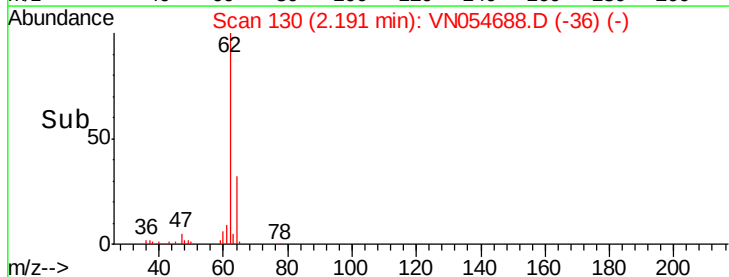
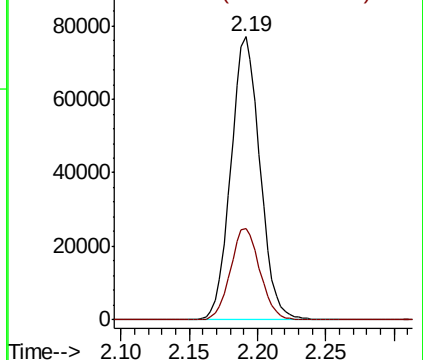
62 100

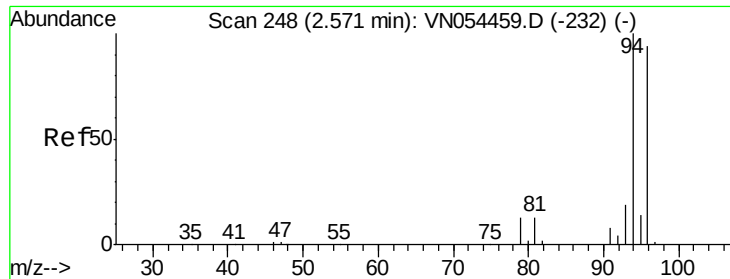
64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.542 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

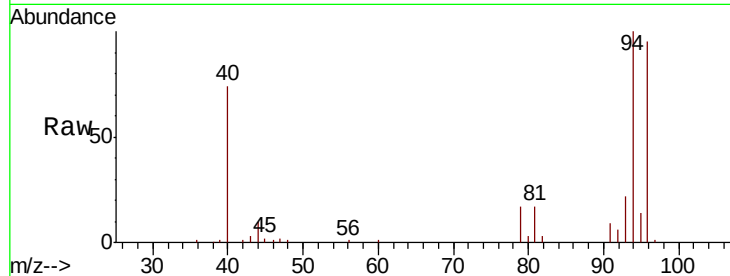
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 67089

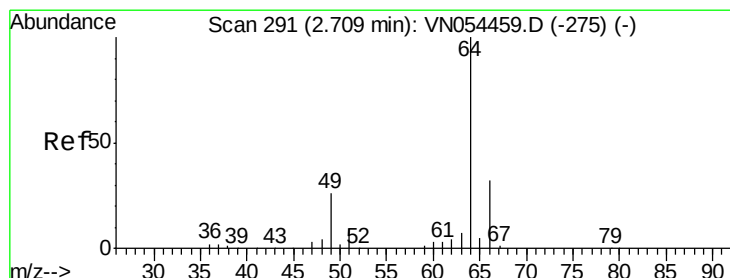
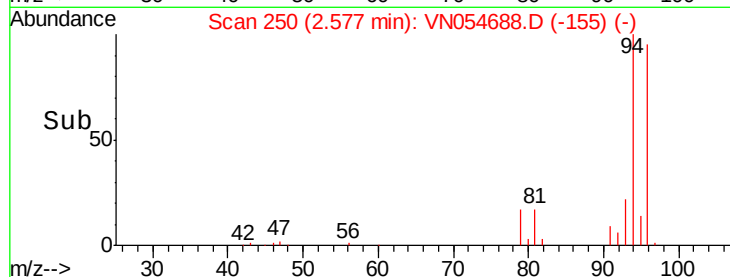
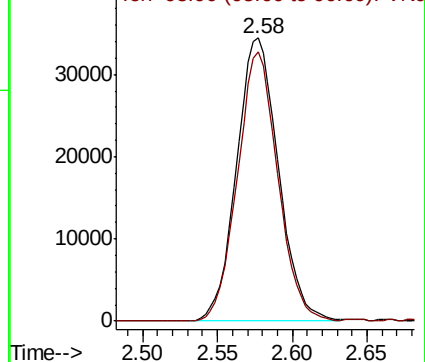
Ion Ratio Lower Upper

94 100

96 95.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.399 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054688.D

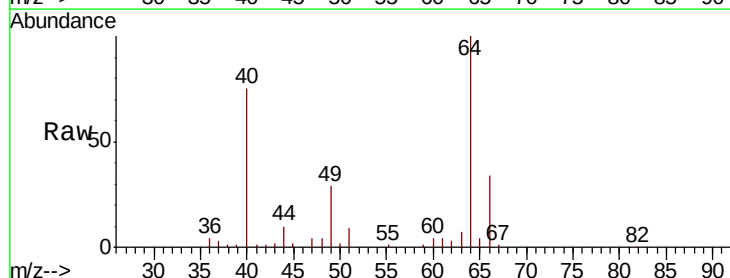
Acq: 26 Mar 2019 10:35

Tgt Ion: 64 Resp: 65271

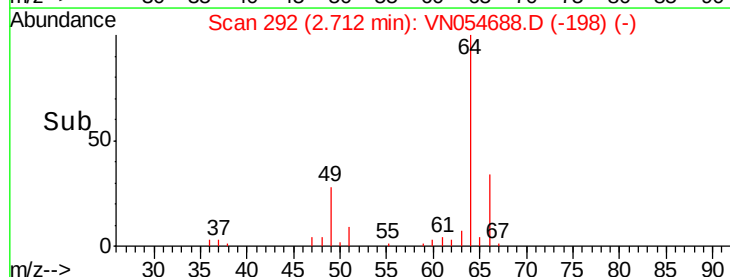
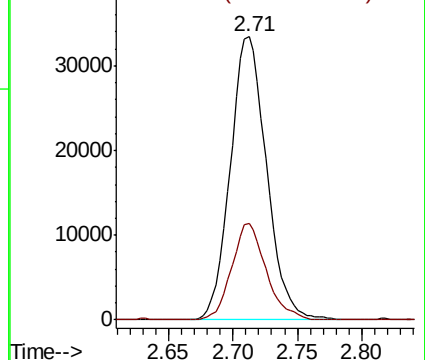
Ion Ratio Lower Upper

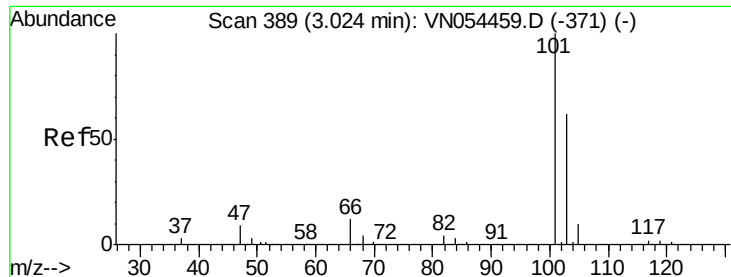
64 100

66 34.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



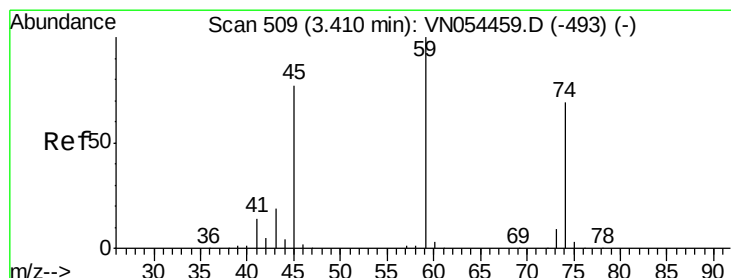
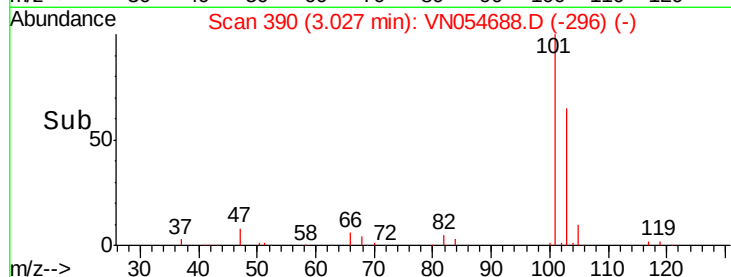
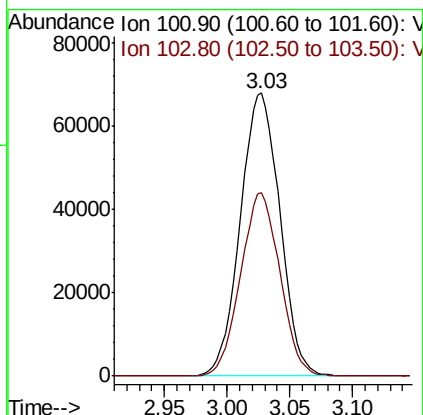
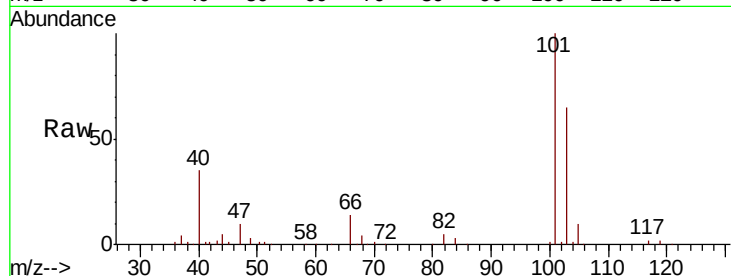


#7

Trichlorofluoromethane
Concen: 20.759 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :

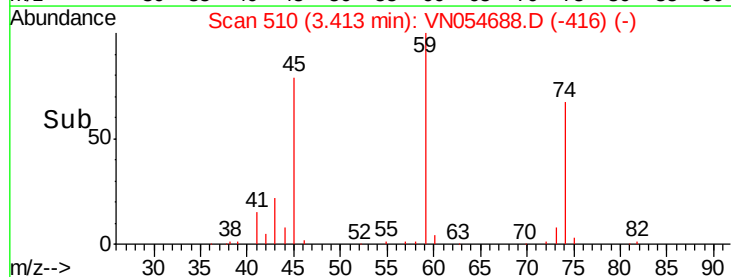
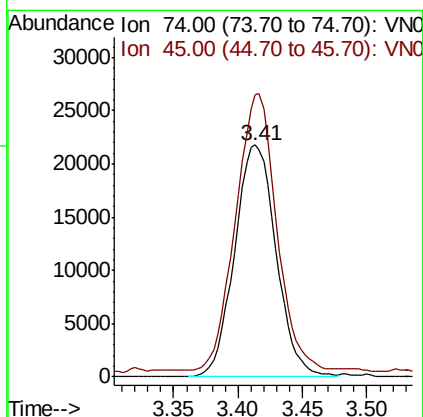
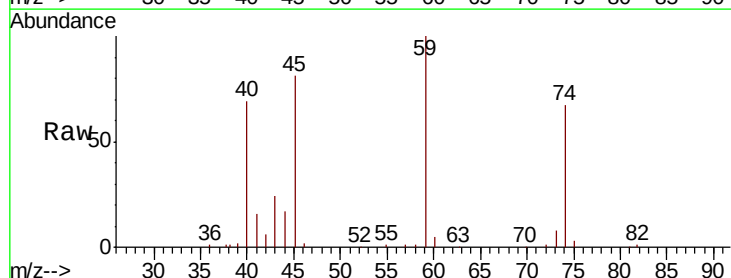
Tot Ion:101 Resp: 149106
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.2

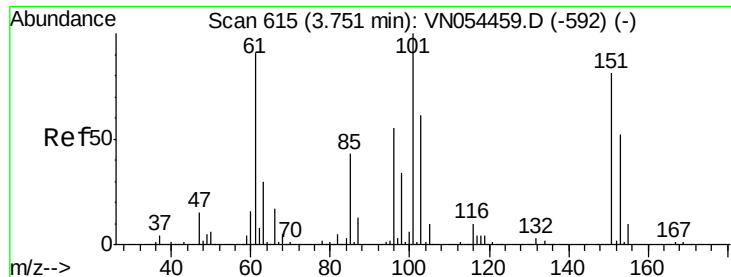


#8

Diethyl Ether
Concen: 17.702 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 74 Resp: 48902
Ion Ratio Lower Upper
74 100
45 117.3 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.246 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

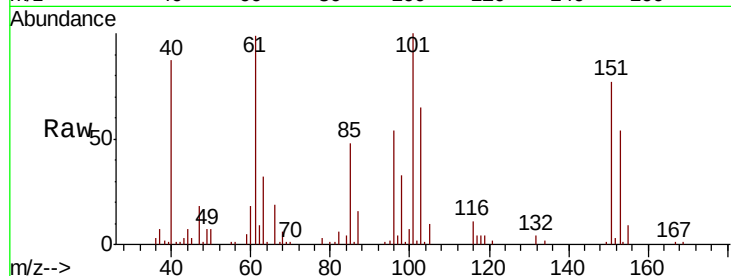
Tot Ion:101 Resp: 77022

Ion Ratio Lower Upper

101 100

85 48.5 32.4 48.6

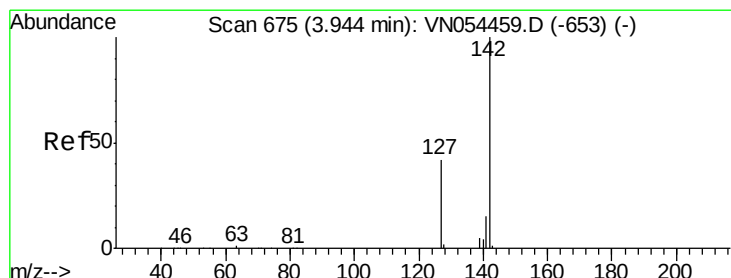
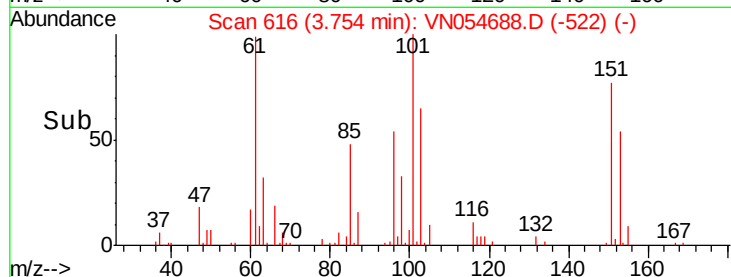
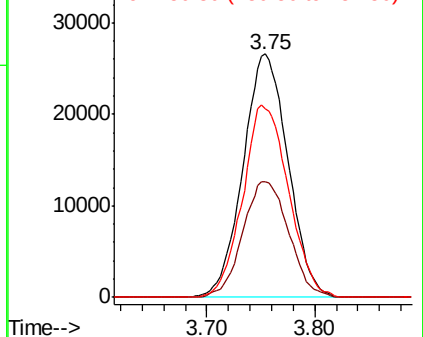
151 80.2 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.409 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

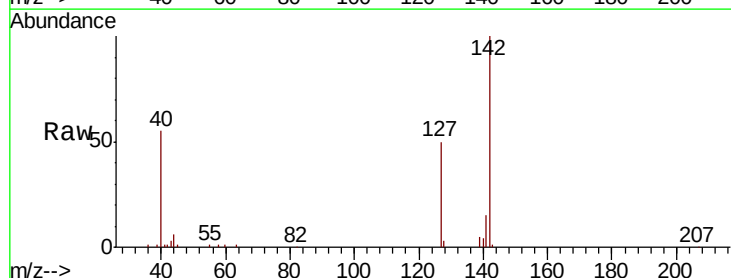
Tgt Ion:142 Resp: 108106

Ion Ratio Lower Upper

142 100

127 47.5 30.3 45.5#

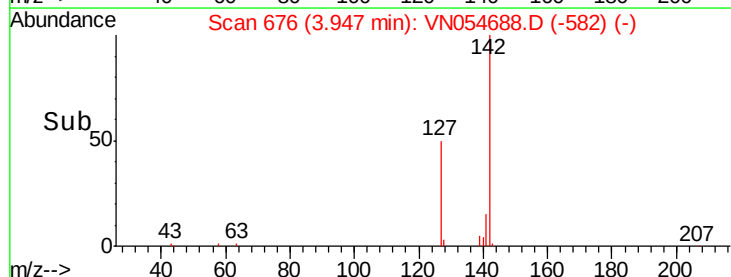
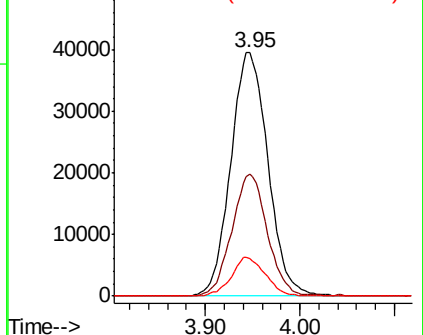
141 14.5 11.2 16.8

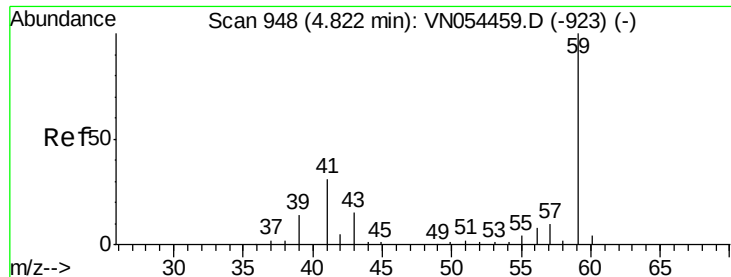


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

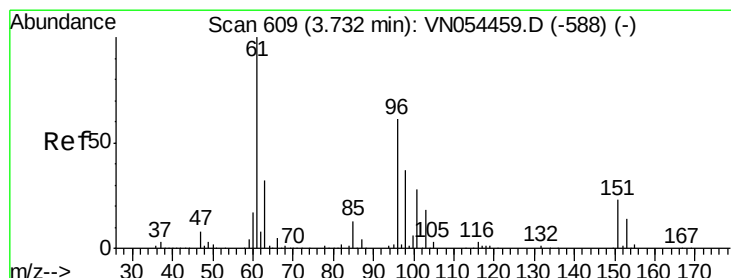
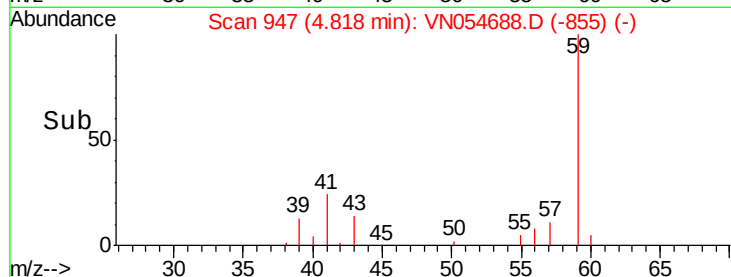
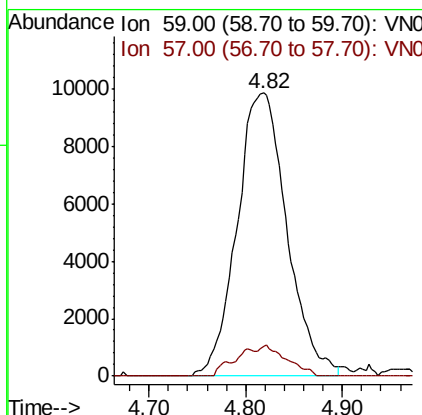
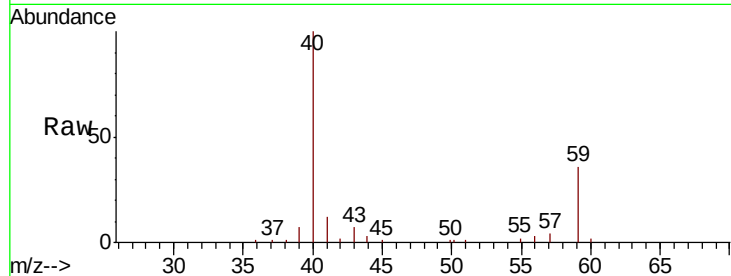




#11
Tert butyl alcohol
Concen: 103.427 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

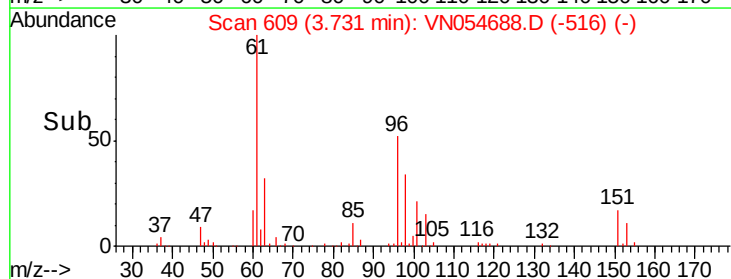
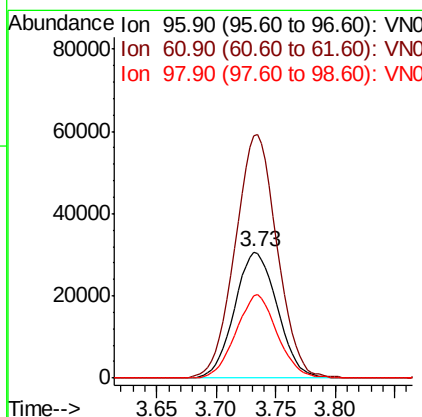
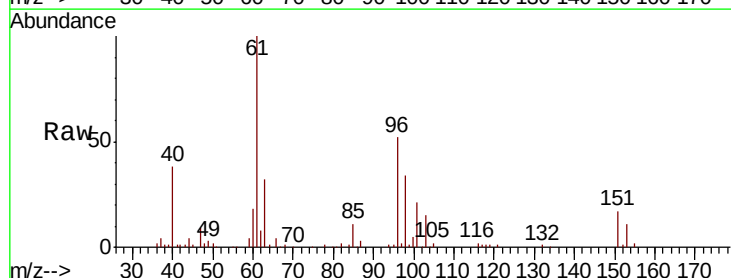
Instrument :
MSVOA_N
ClientSampled :

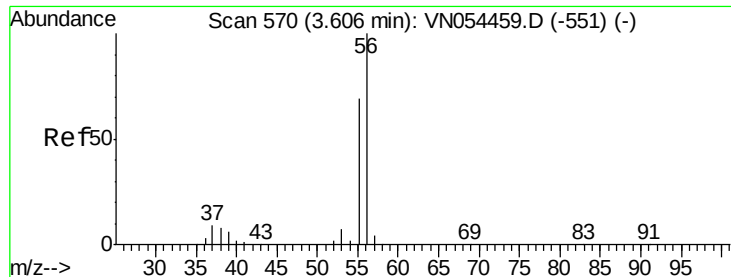
Tot Ion: 59 Resp: 35276
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#12
1,1-Dichloroethene
Concen: 17.495 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 96 Resp: 76429
Ion Ratio Lower Upper
96 100
61 191.2 116.5 174.7#
98 65.0 51.0 76.4





#13

Acrolein

Concen: 106.990 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

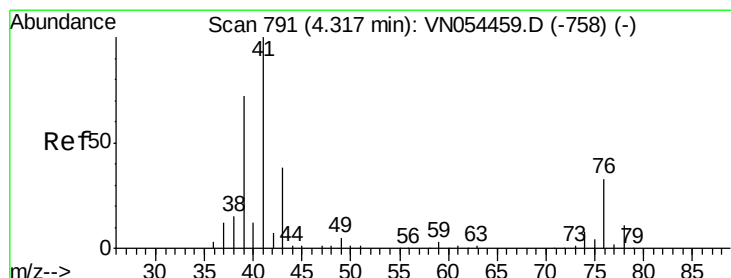
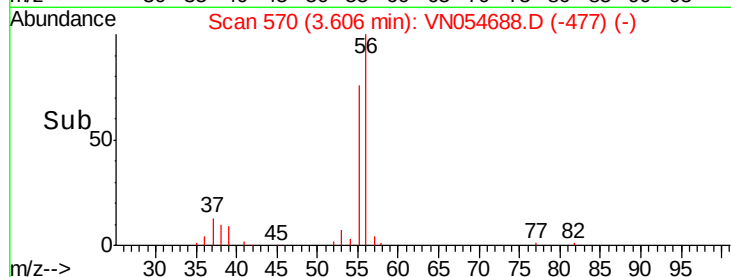
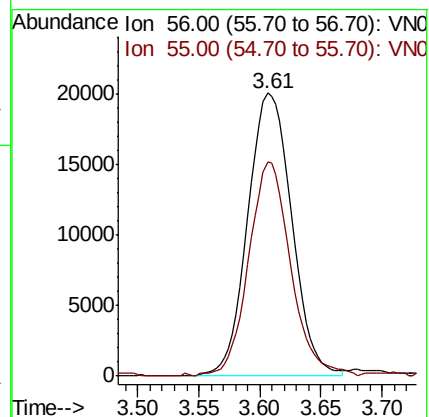
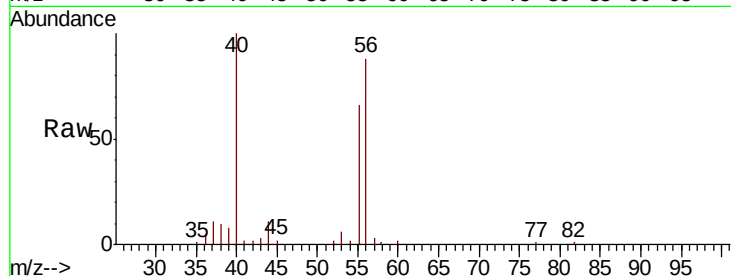
ClientSampleId :

Tot Ion: 56 Resp: 50358

Ion Ratio Lower Upper

56 100

55 72.0 56.7 85.1



#14

Allyl chloride

Concen: 22.017 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

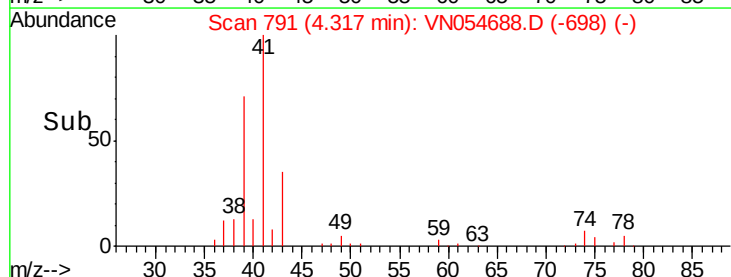
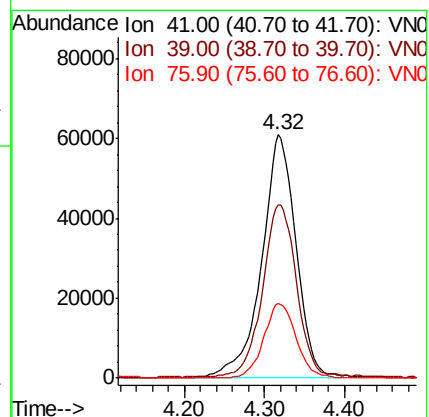
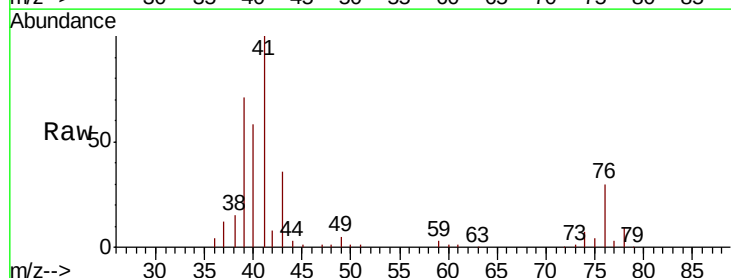
Tgt Ion: 41 Resp: 181119

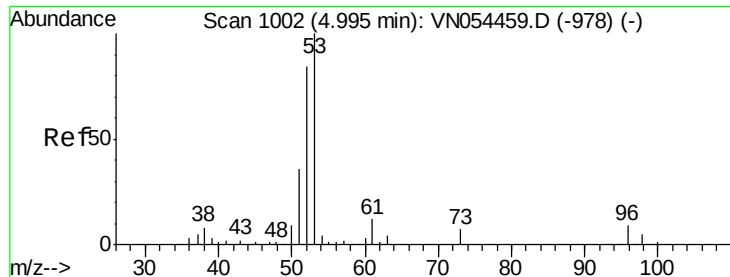
Ion Ratio Lower Upper

41 100

39 68.8 58.2 87.4

76 29.0 31.7 47.5#

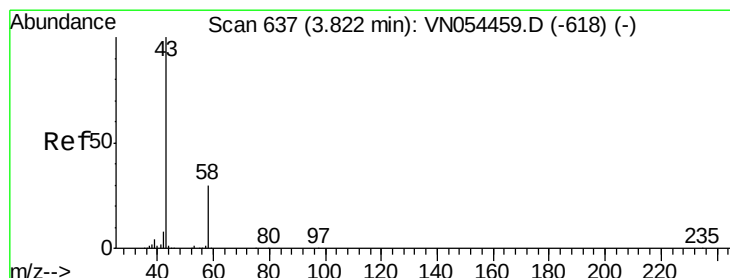
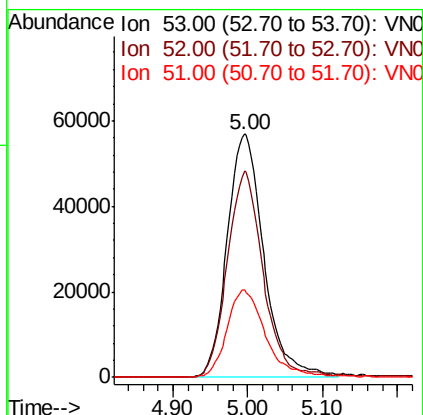
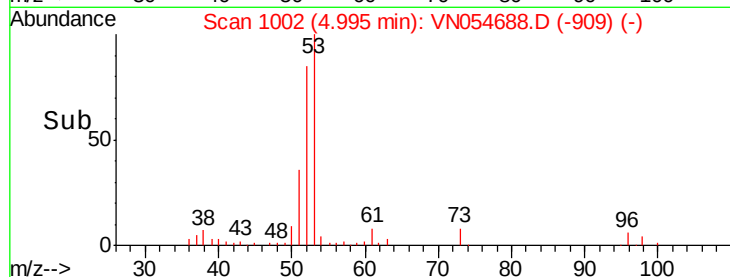
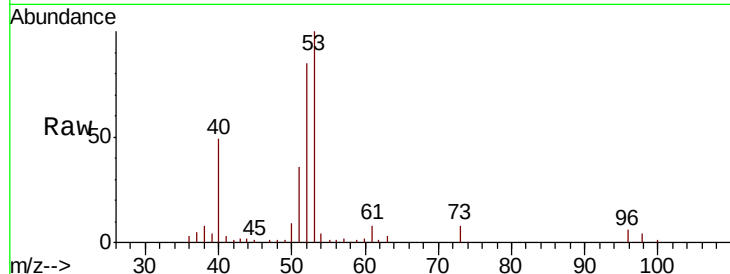




#15
 Acrylonitrile
 Concen: 113.973 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

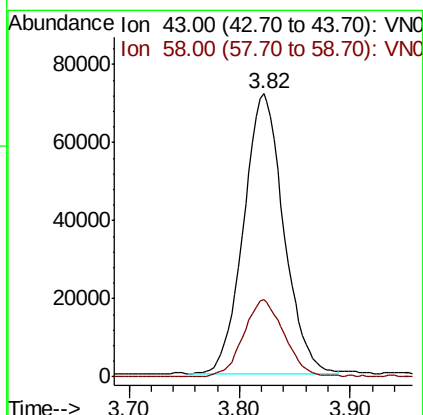
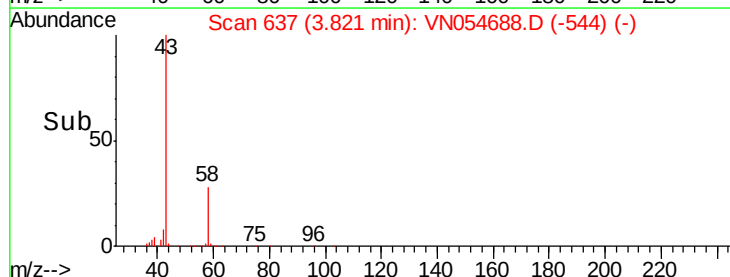
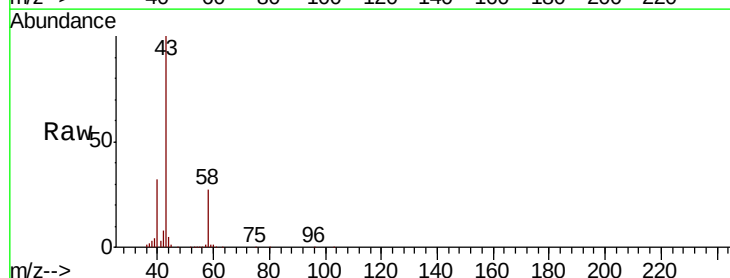
Instrument :
 MSVOA_N
 ClientSampleId :

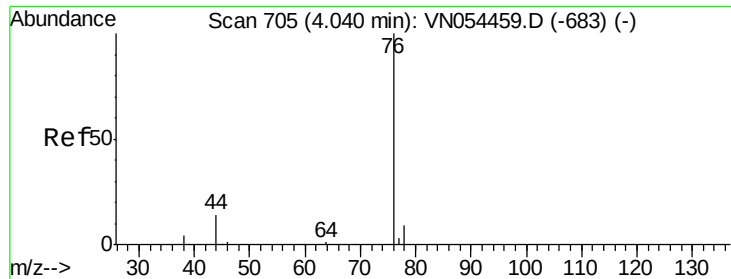
Tot Ion: 53 Resp: 193582
 Ion Ratio Lower Upper
 53 100
 52 82.9 66.4 99.6
 51 37.7 29.6 44.4



#16
 Acetone
 Concen: 106.602 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Tgt Ion: 43 Resp: 180557
 Ion Ratio Lower Upper
 43 100
 58 27.6 29.9 44.9#

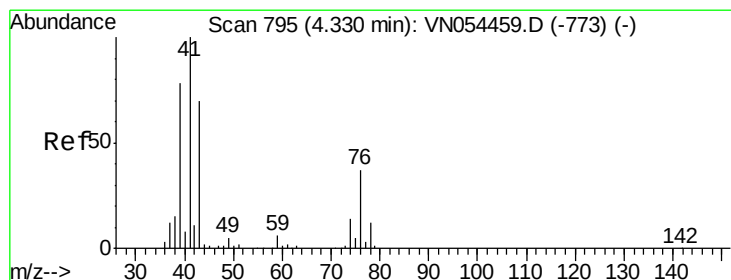
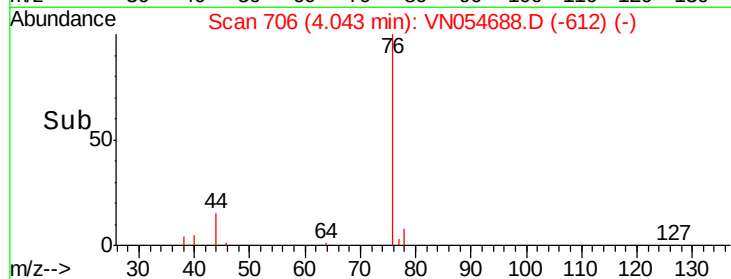
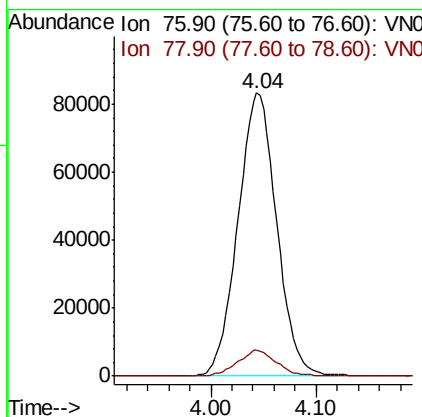
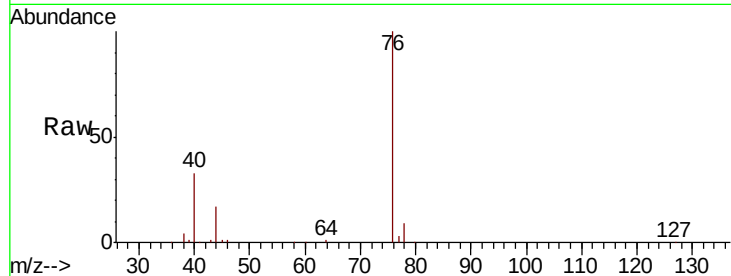




#17
Carbon Disulfide
Concen: 18.127 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

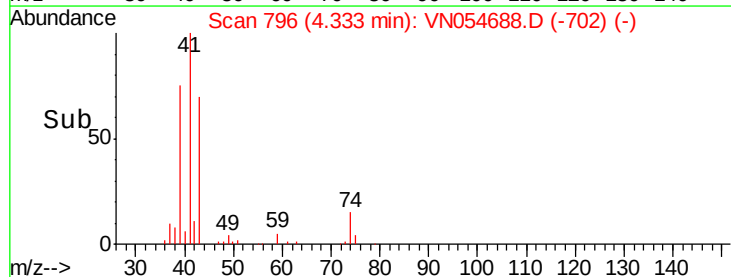
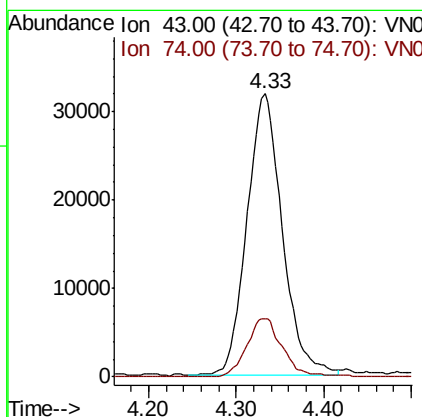
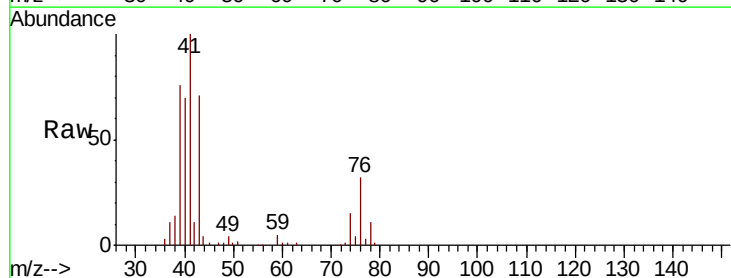
Instrument :
MSVOA_N
ClientSampleId :

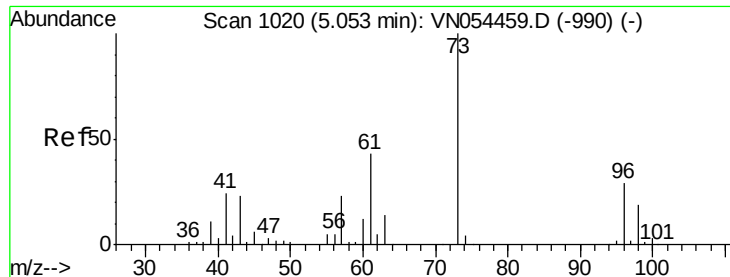
Tot Ion: 76 Resp: 212182
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 23.761 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 43 Resp: 89701
Ion Ratio Lower Upper
43 100
74 20.7 20.8 31.2#

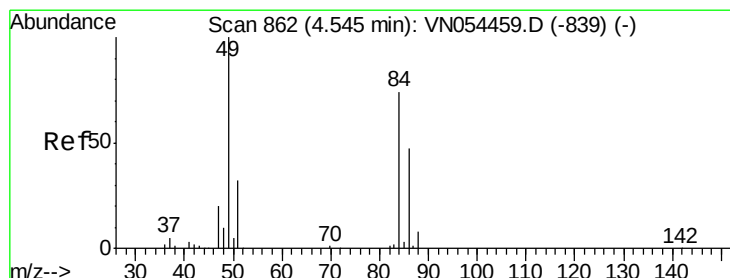
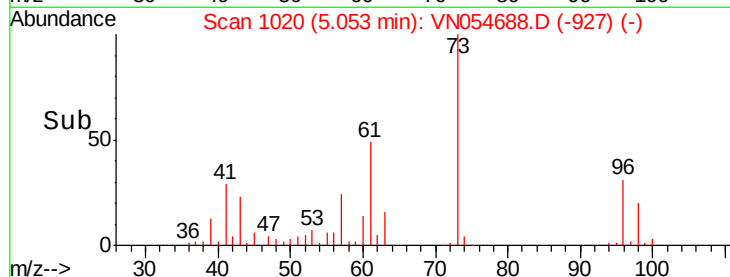
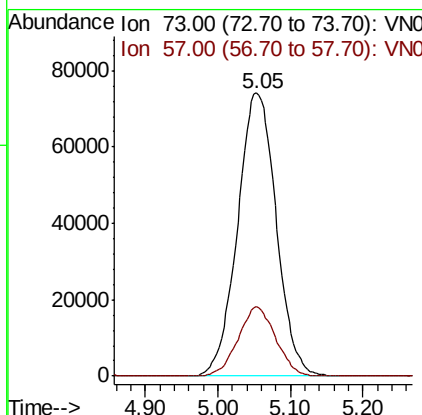
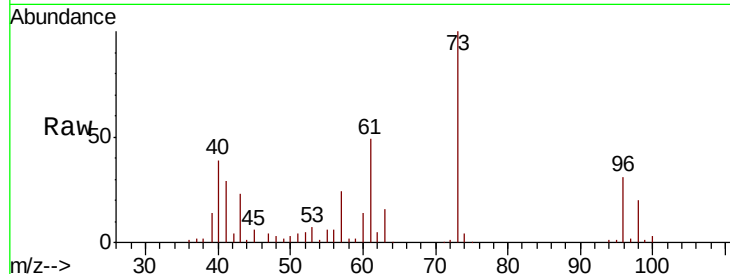




#19
Methvl tert-butyl Ether
Concen: 21.575 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

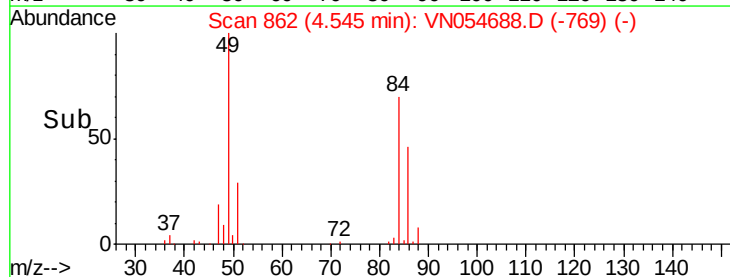
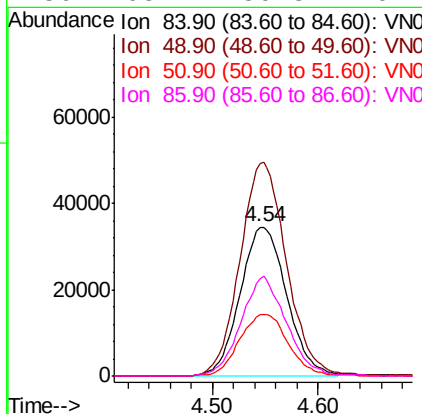
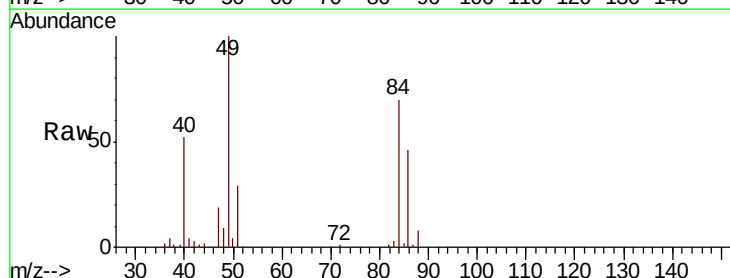
Instrument :
MSVOA_N
ClientSampleId :

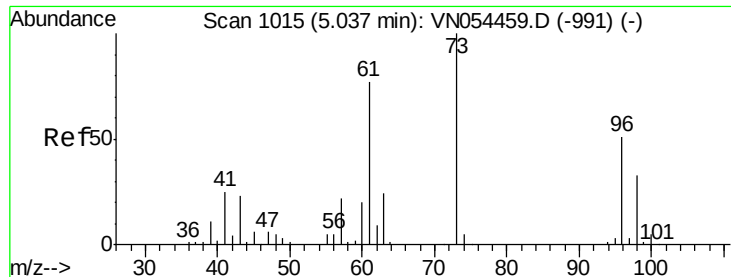
Tot Ion: 73 Resp: 275072
Ion Ratio Lower Upper
73 100
57 24.4 16.8 25.2



#20
Methylene Chloride
Concen: 21.208 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 84 Resp: 105886
Ion Ratio Lower Upper
84 100
49 142.9 89.7 134.5#
51 41.1 28.2 42.4
86 65.7 50.8 76.2



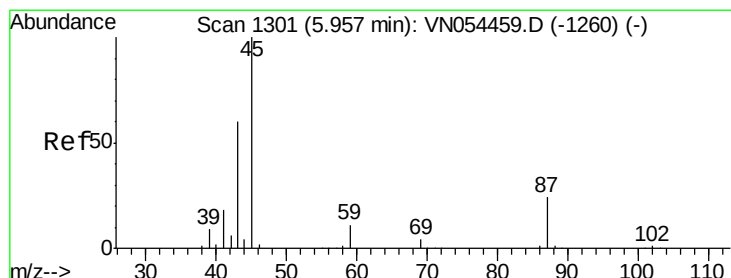
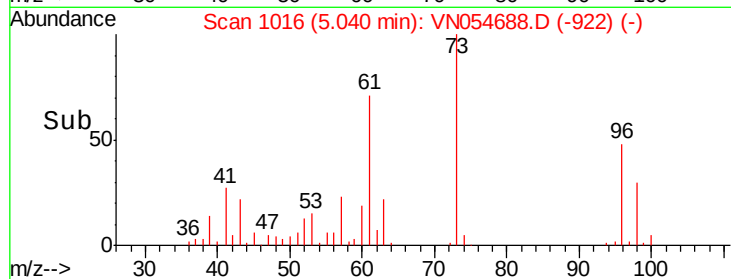
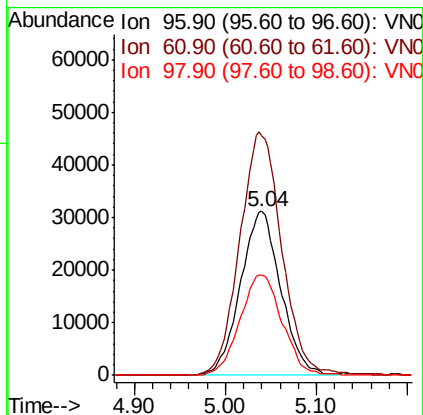
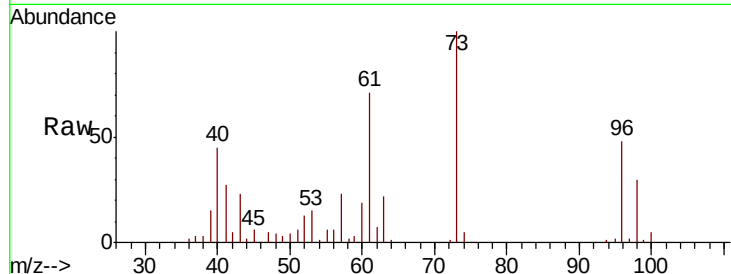


#21

trans-1,2-Dichloroethene
Concen: 21.560 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :

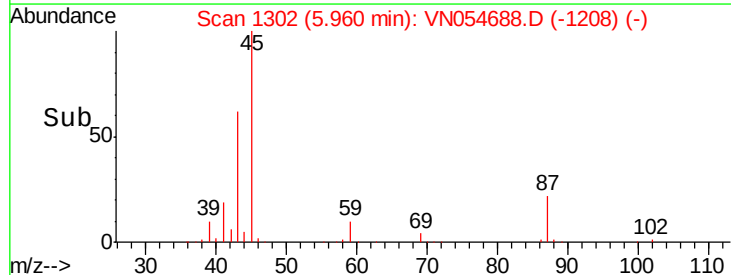
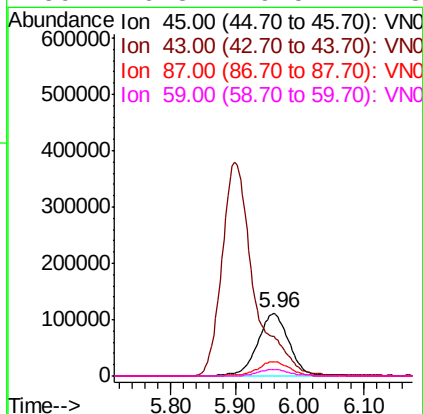
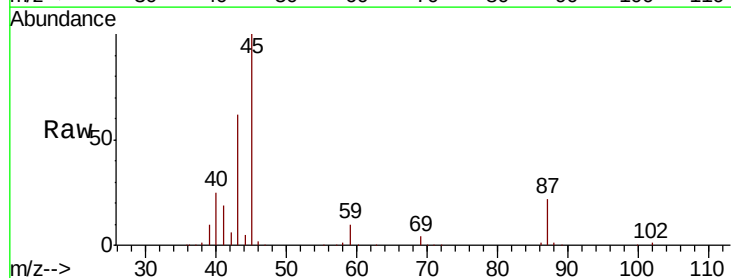
Tot Ion: 96 Resp: 96177
Ion Ratio Lower Upper
96 100
61 146.6 102.8 154.2
98 61.4 50.0 75.0

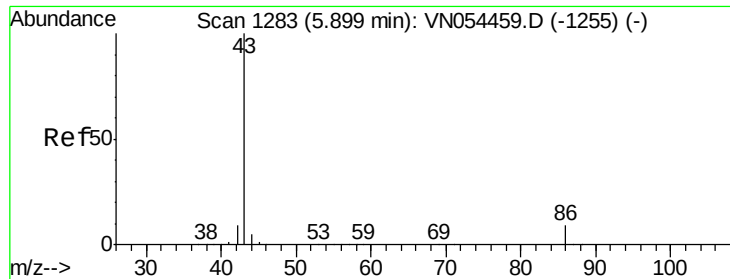


#22

Diisopropyl ether
Concen: 23.257 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 45 Resp: 377367
Ion Ratio Lower Upper
45 100
43 61.9 48.2 72.2
87 22.1 24.9 37.3#
59 10.3 9.5 14.3





#23

Vinyl Acetate

Concen: 114.127 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

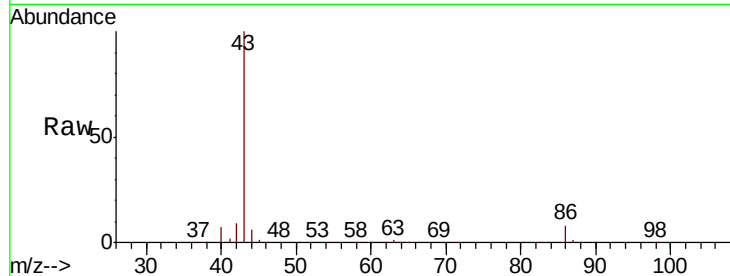
ClientSampleId :

Tot Ion: 43 Resp: 1307907

Ion Ratio Lower Upper

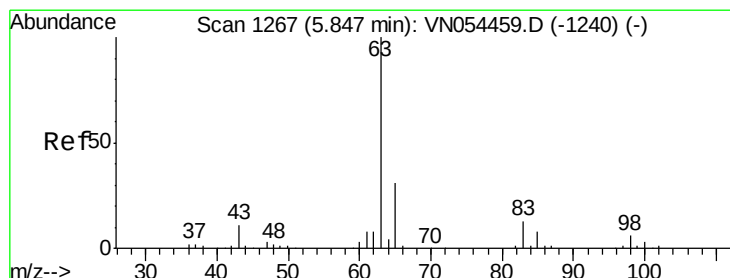
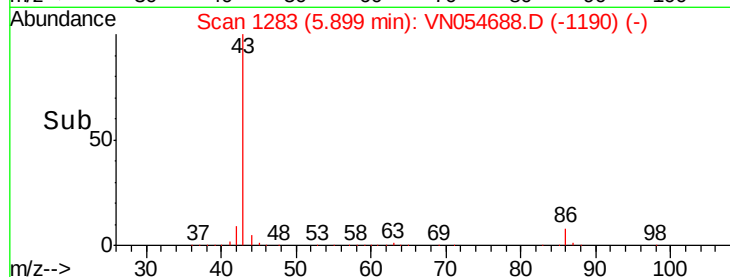
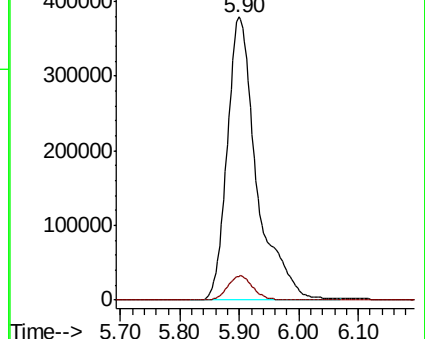
43 100

86 8.5 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 23.036 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

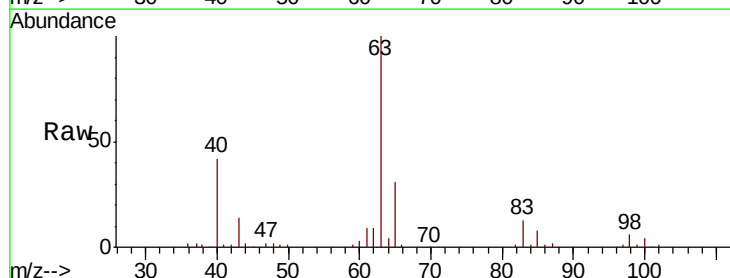
Tgt Ion: 63 Resp: 201259

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

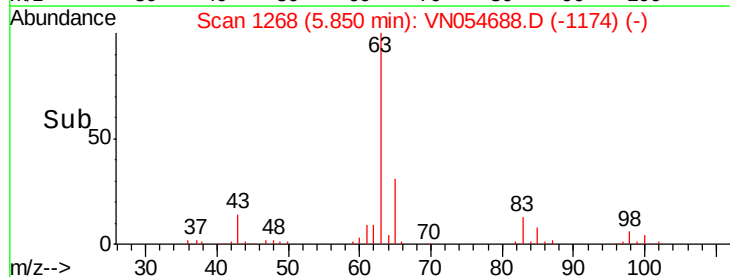
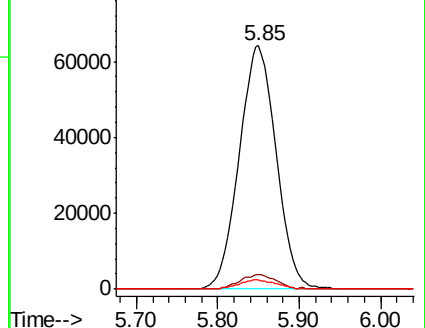
100 4.0 2.0 6.0

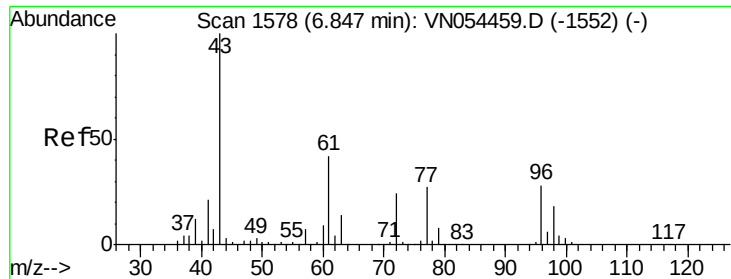


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 118.392 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

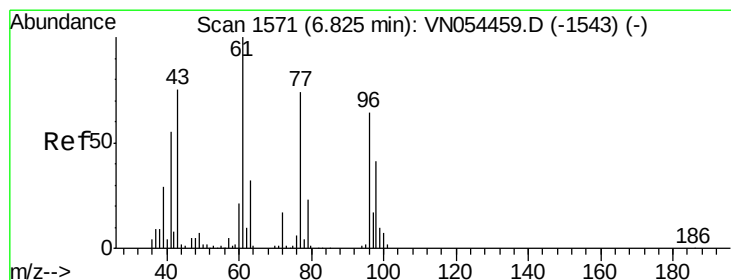
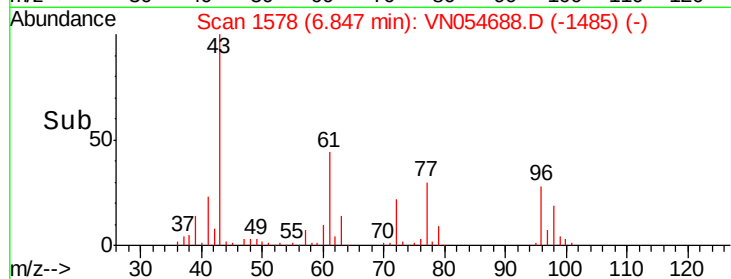
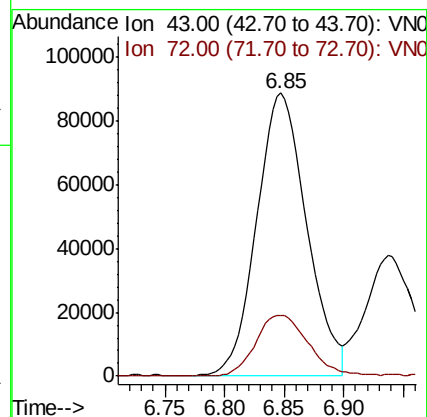
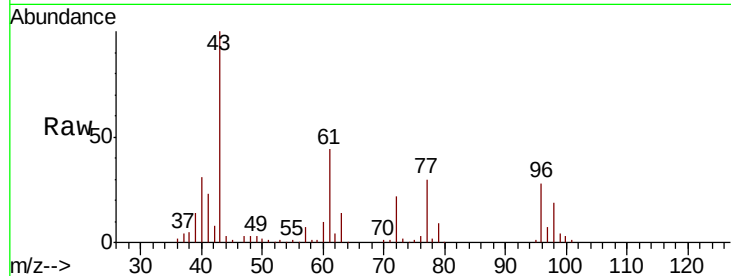
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 256873

Ion Ratio Lower Upper

43 100

72 21.7 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 22.656 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054688.D

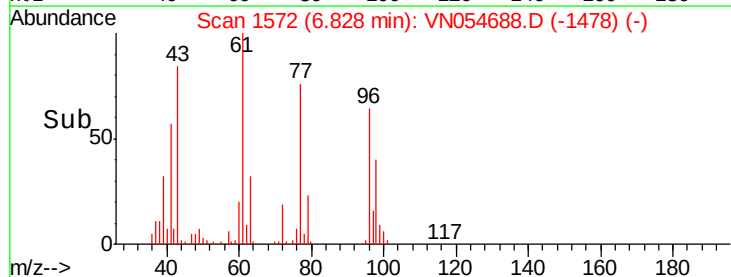
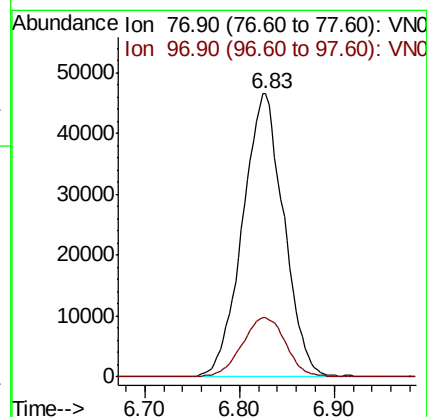
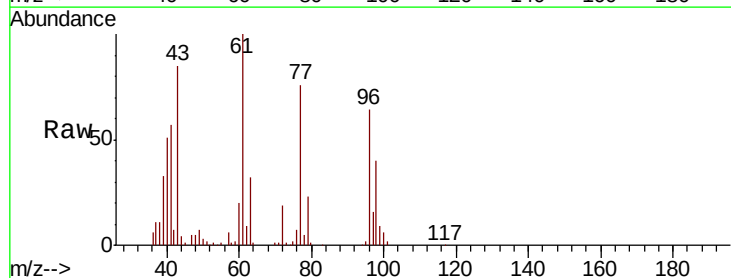
Acq: 26 Mar 2019 10:35

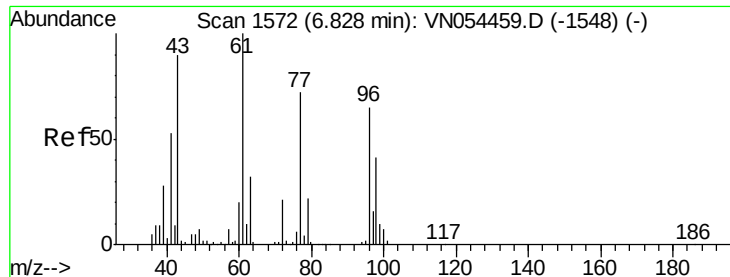
Tgt Ion: 77 Resp: 141101

Ion Ratio Lower Upper

77 100

97 22.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.229 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampled :

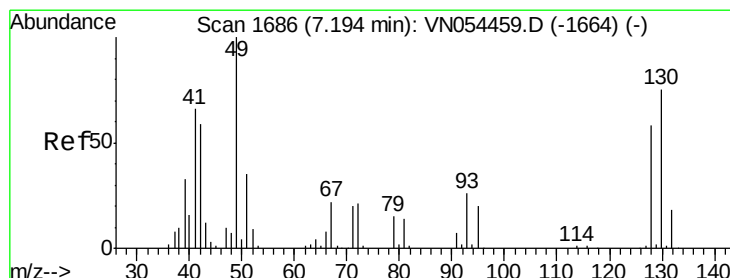
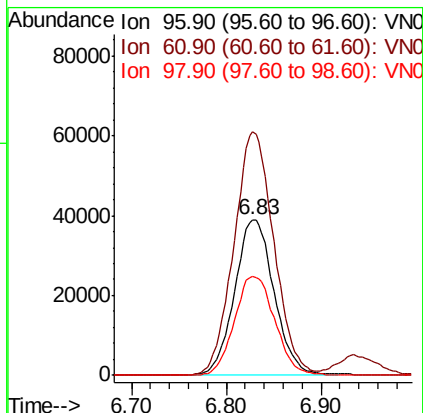
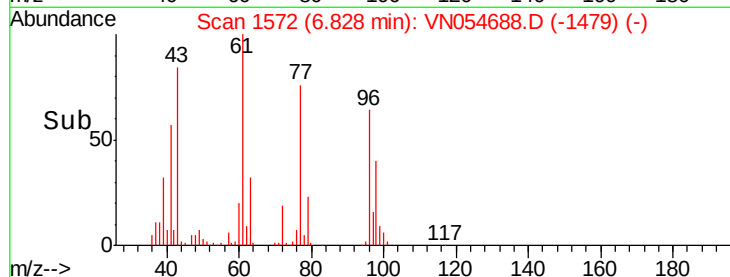
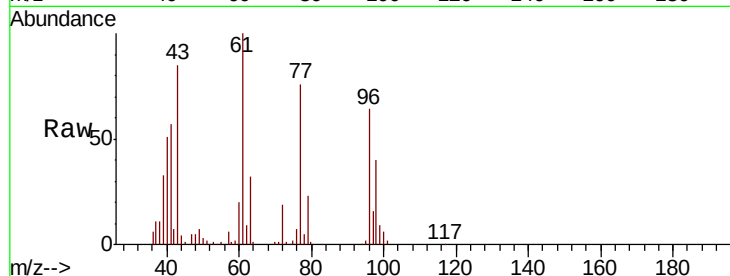
Tot Ion: 96 Resp: 112952

Ion Ratio Lower Upper

96 100

61 158.5 0.0 273.0

98 65.2 0.0 130.6



#28

Bromochloromethane

Concen: 24.067 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

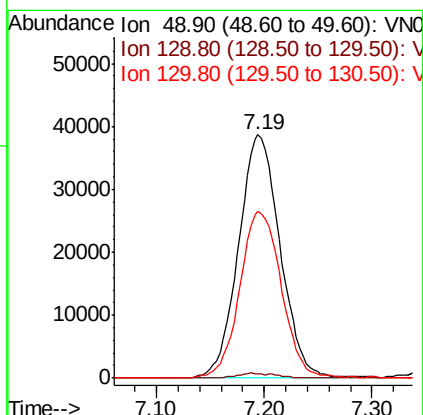
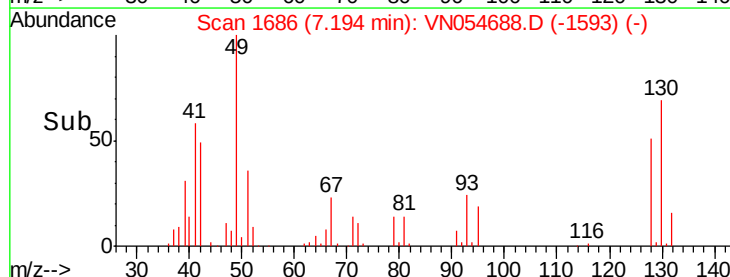
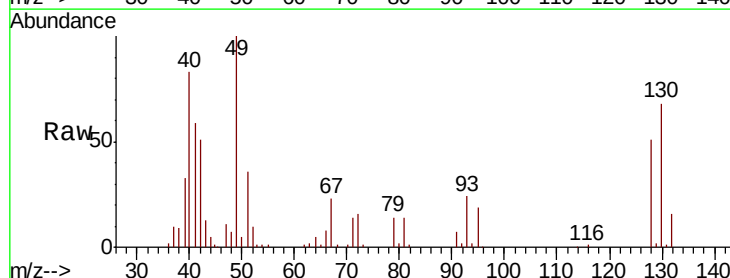
Tgt Ion: 49 Resp: 103496

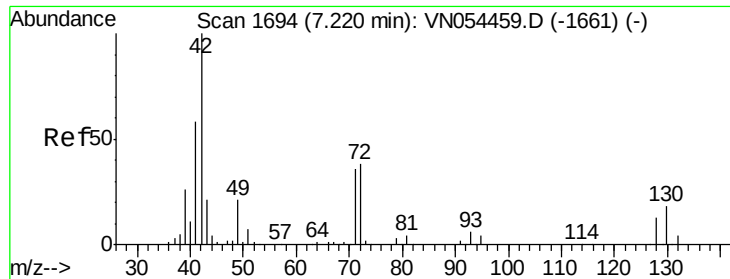
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.6

130 68.6 76.7 115.1#

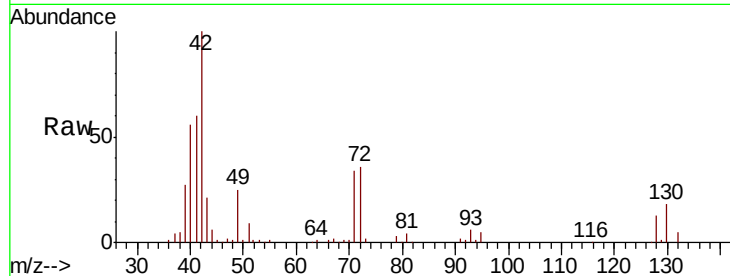




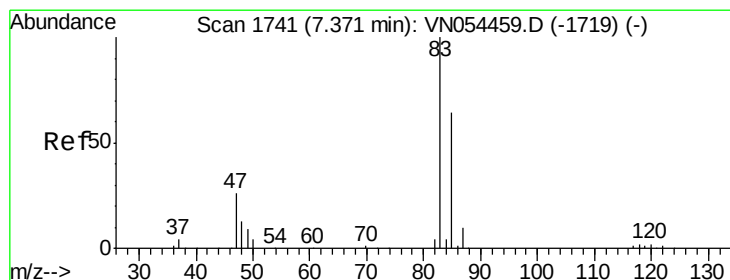
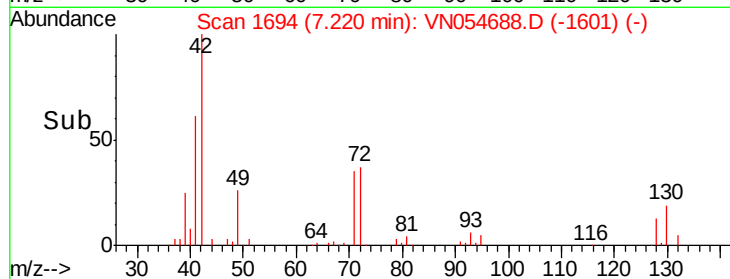
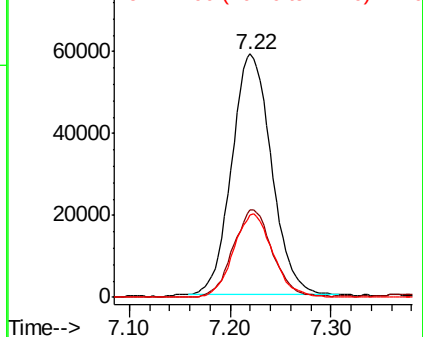
#29
Tetrahydrofuran
Concen: 114.404 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 161079
Ion Ratio Lower Upper
42 100
72 36.3 37.8 56.6#
71 34.5 36.2 54.2#

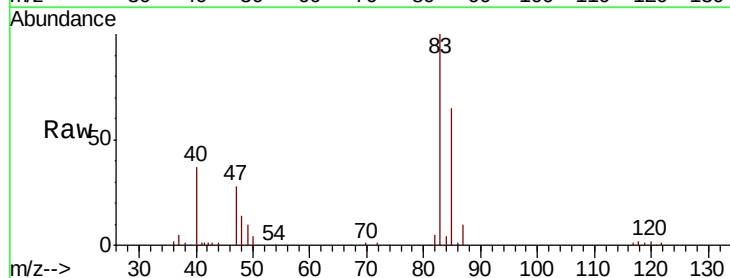


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

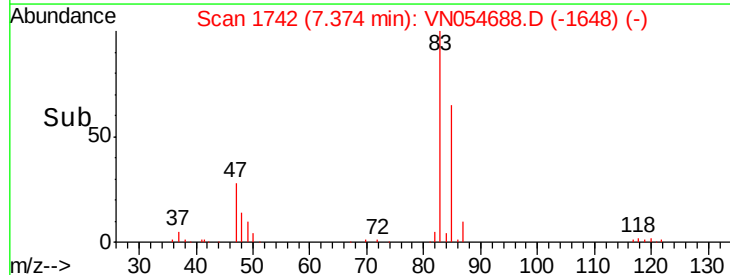
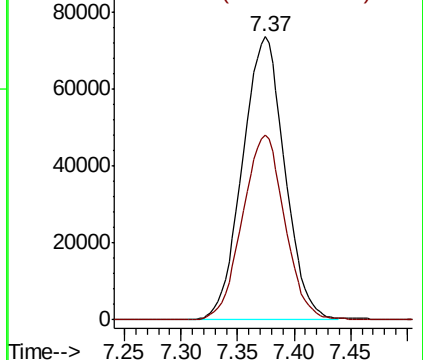


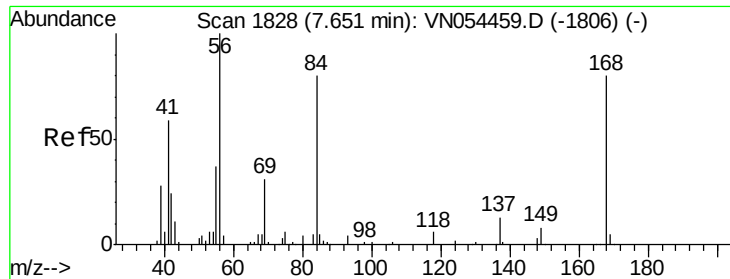
#30
Chloroform
Concen: 22.418 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 83 Resp: 191137
Ion Ratio Lower Upper
83 100
85 65.3 52.2 78.4



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

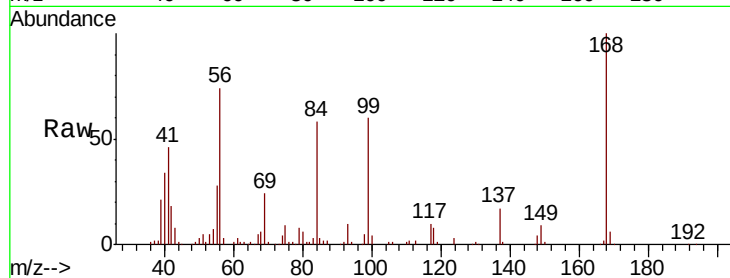




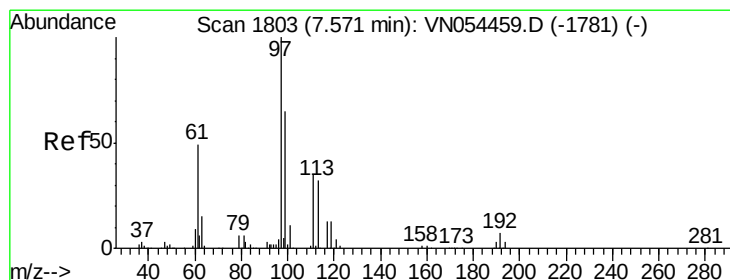
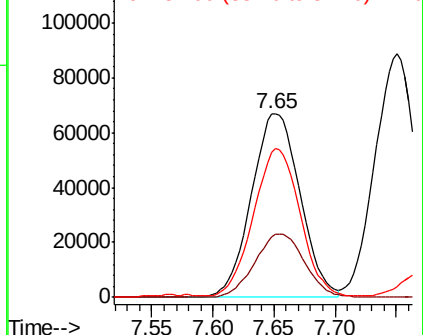
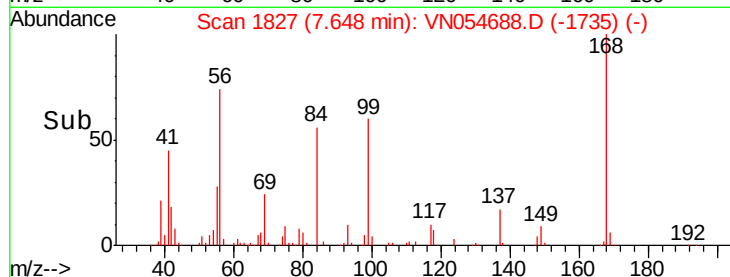
#31
Cyclohexane
Concen: 21.026 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 185033
Ion Ratio Lower Upper
56 100
69 32.7 27.8 41.6
84 77.4 74.6 111.8

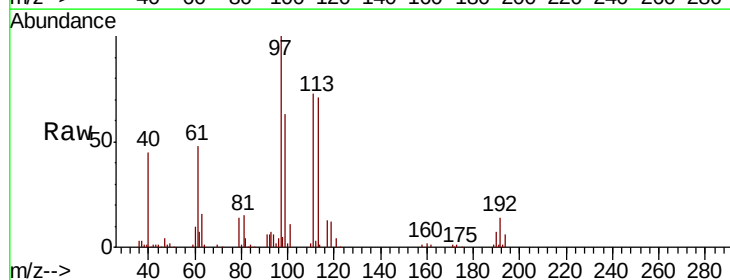


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

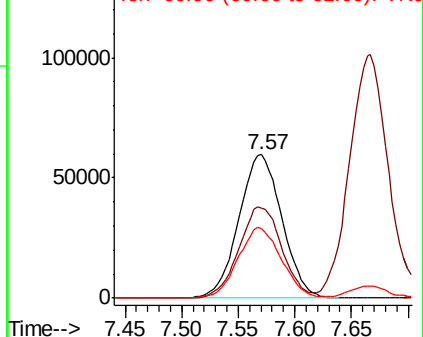
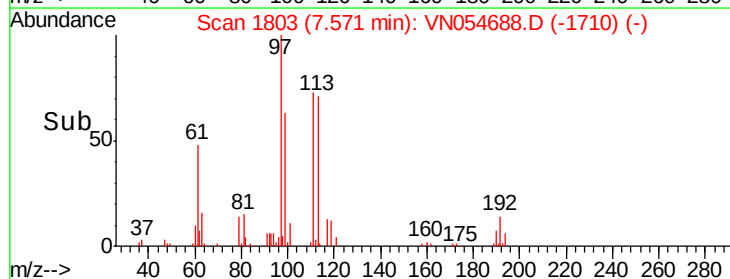


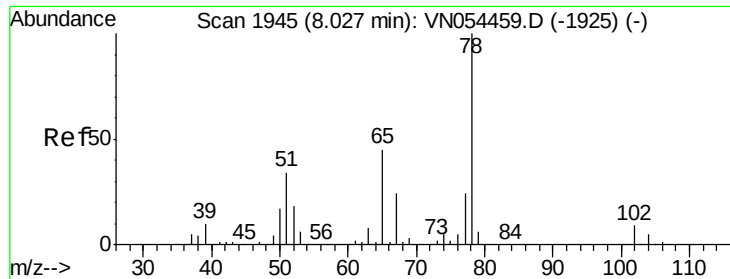
#32
1,1,1-Trichloroethane
Concen: 22.441 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 97 Resp: 157856
Ion Ratio Lower Upper
97 100
99 63.3 51.5 77.3
61 49.5 33.6 50.4



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

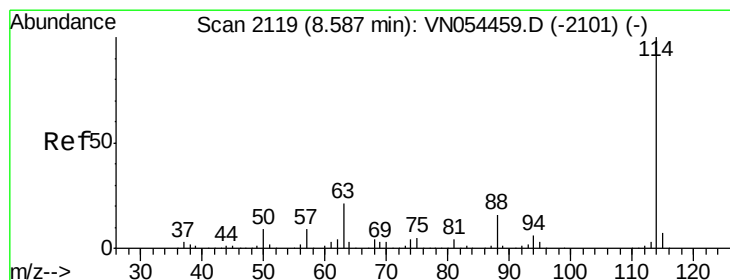
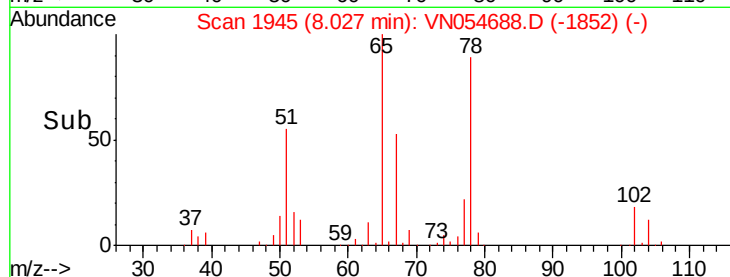
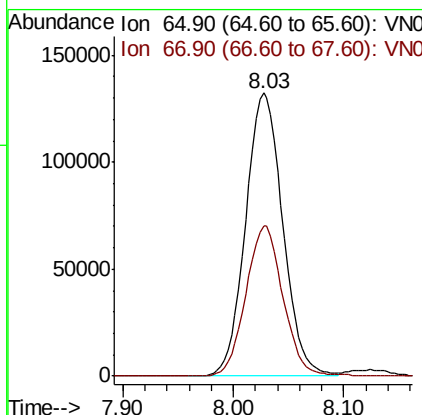
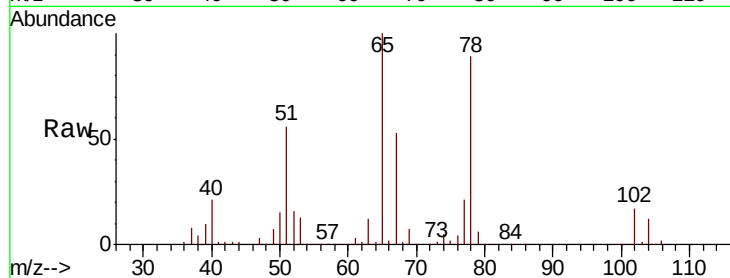




#33
 1,2-Dichloroethane-d4
 Concen: 54.931 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

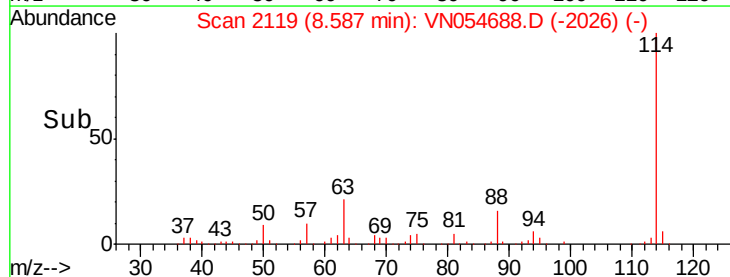
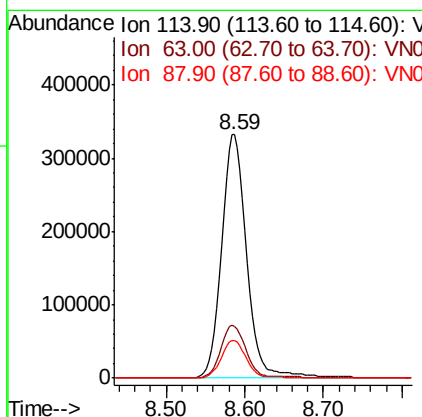
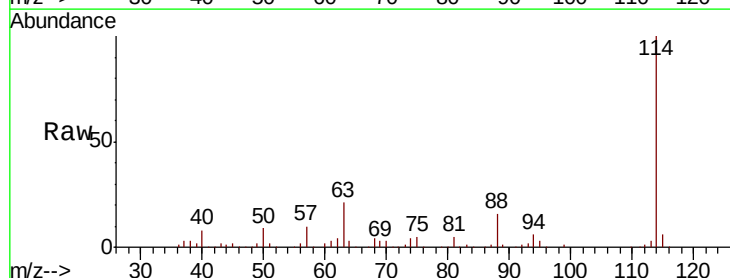
Instrument :
 MSVOA_N
 ClientSampled :

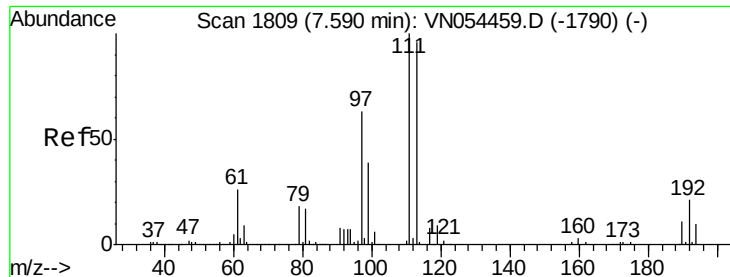
Tot Ion: 65 Resp: 309456
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Tgt Ion: 114 Resp: 728599
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 35.2
 88 15.5 0.0 30.2

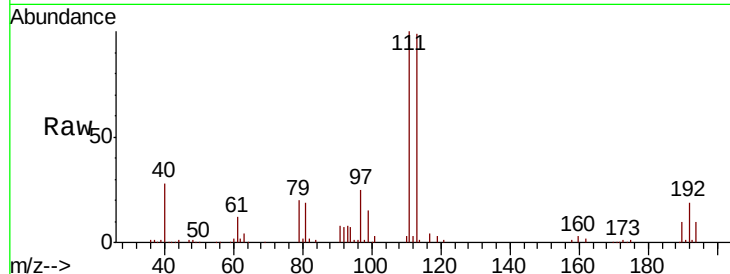




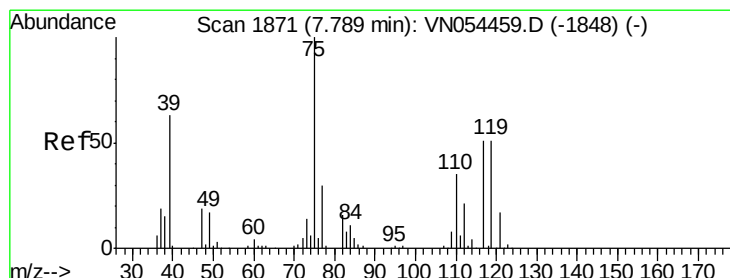
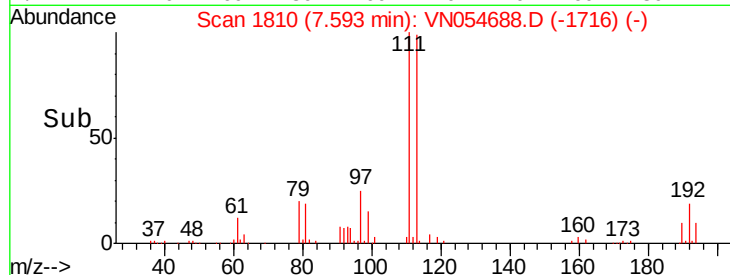
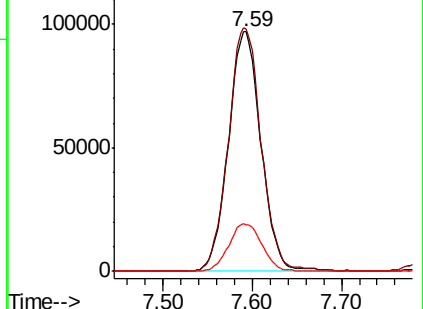
#35
 Dibromofluoromethane
 Concen: 52.062 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	20.3	19.2	28.8

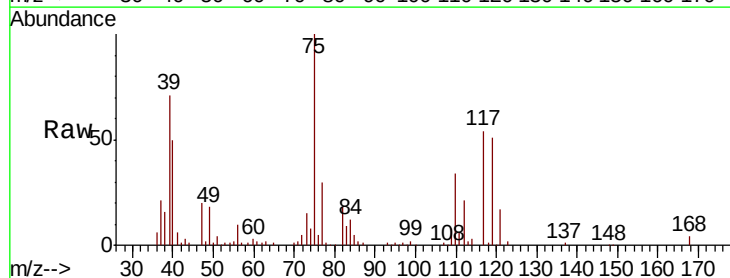


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

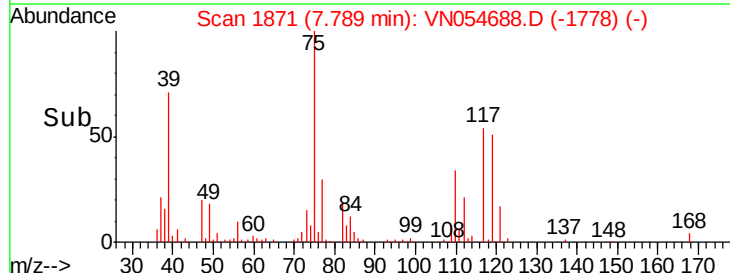
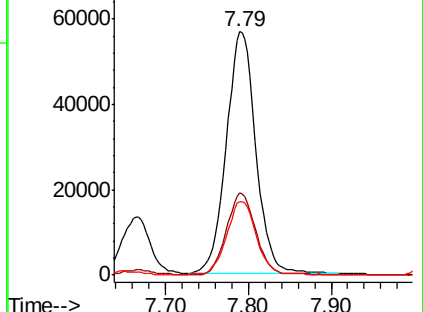


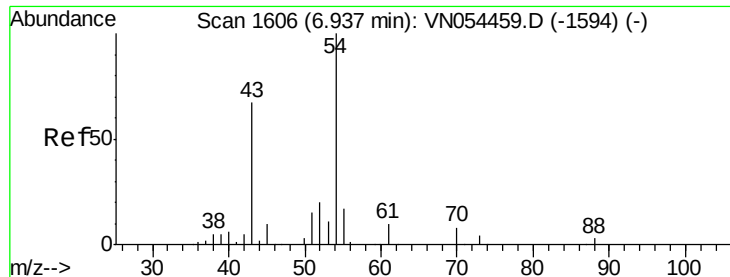
#36
 1,1-Dichloropropene
 Concen: 20.726 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	19.1	57.5
77	31.0	25.0	37.4



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

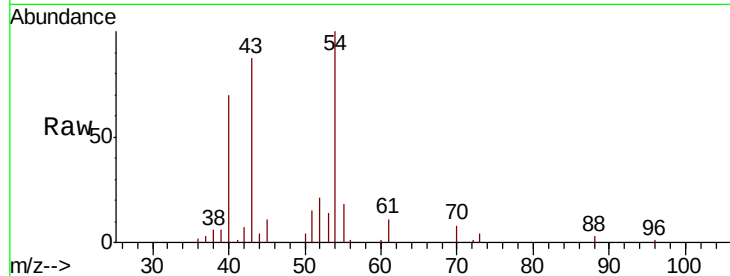




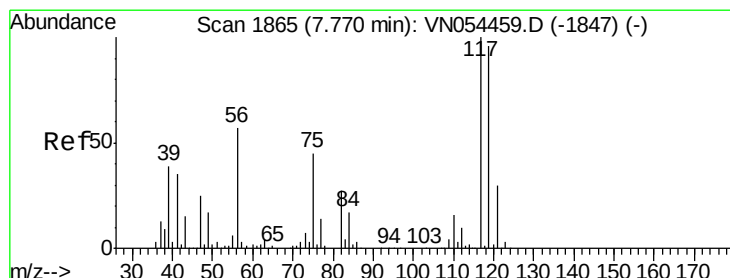
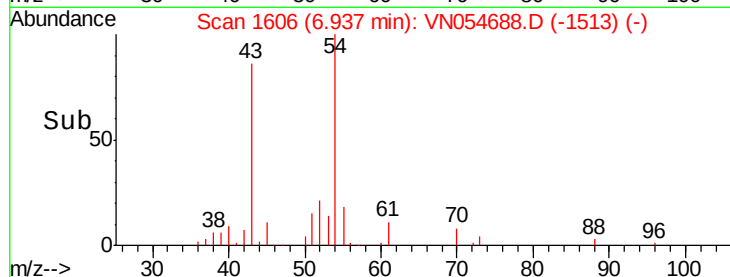
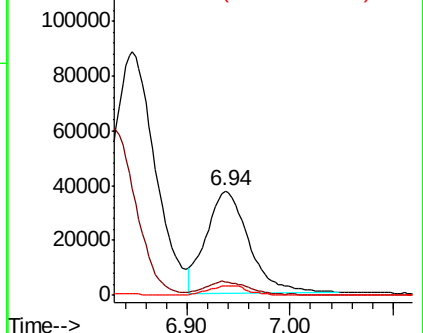
#37
Ethyl Acetate
Concen: 22.172 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 107428
Ion Ratio Lower Upper
43 100
61 12.6 11.8 17.6
70 4.7 8.4 12.6#

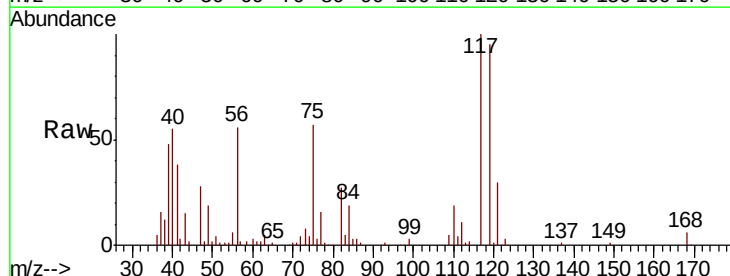


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

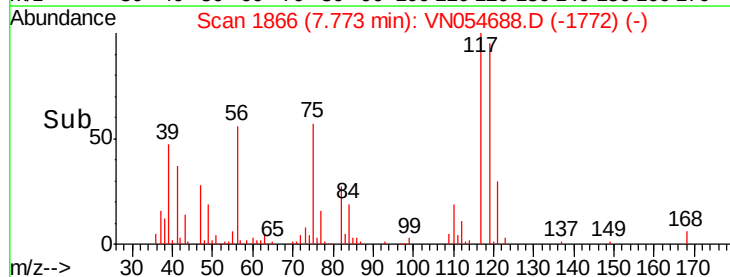
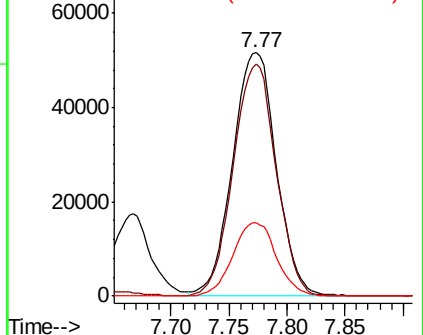


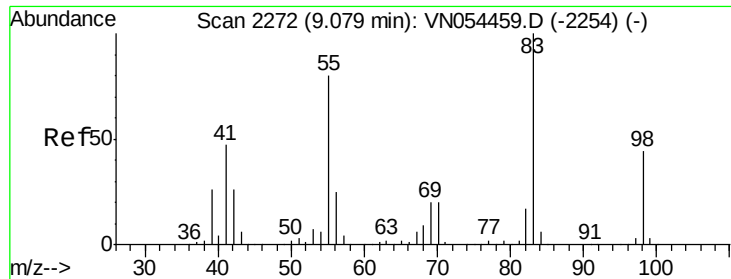
#38
Carbon Tetrachloride
Concen: 20.330 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 117 Resp: 134589
Ion Ratio Lower Upper
117 100
119 95.1 76.3 114.5
121 30.1 24.6 36.8



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

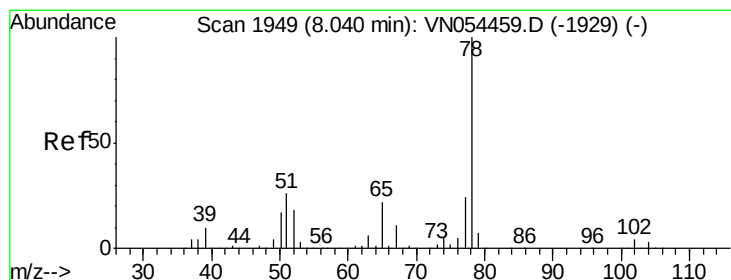
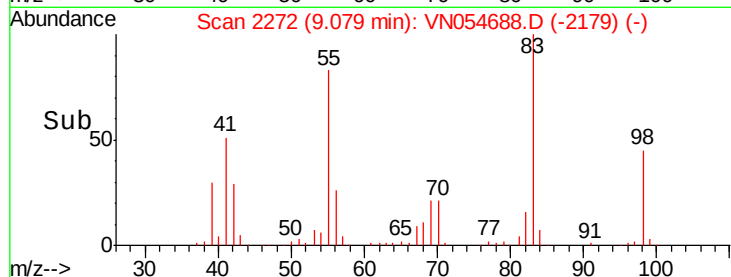
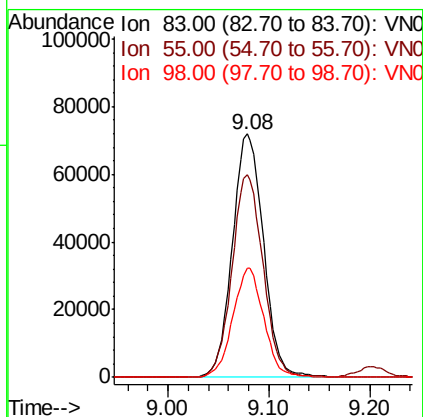
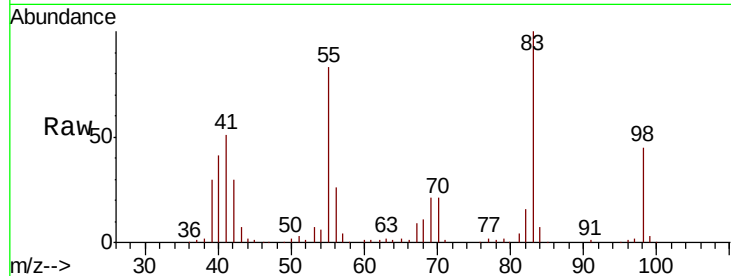




#39
Methylvlcyclohexane
Concen: 19.786 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

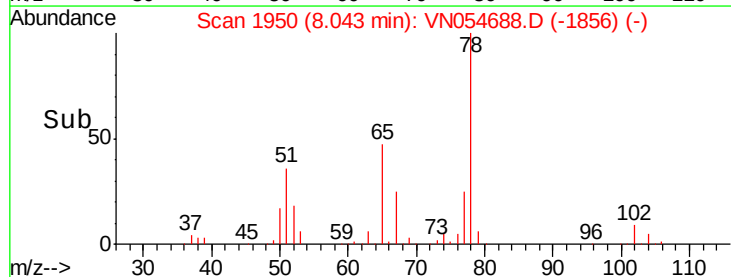
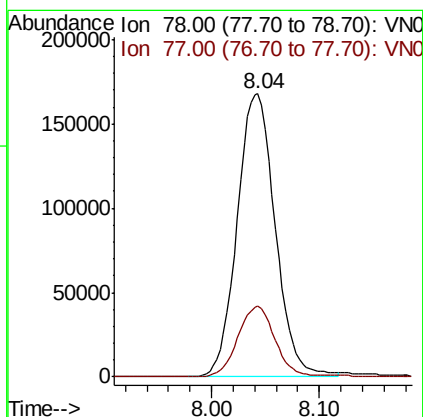
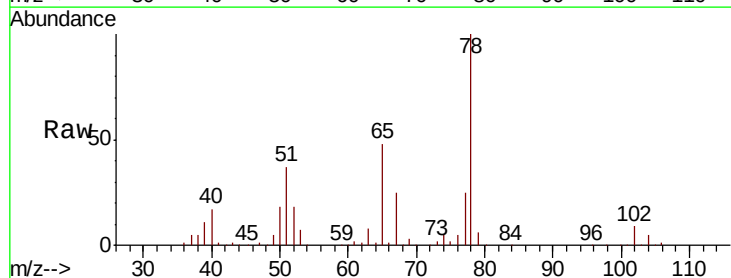
Instrument :
MSVOA_N
ClientSampled :

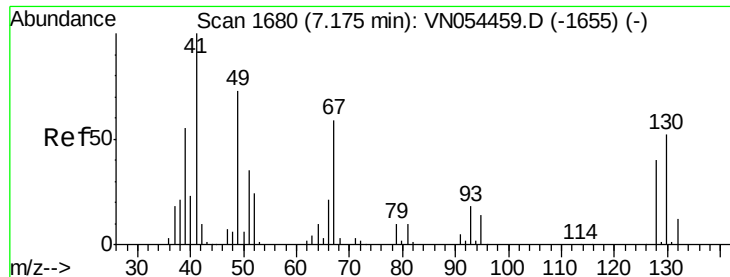
Tot Ion: 83 Resp: 154189
Ion Ratio Lower Upper
83 100
55 83.3 56.6 84.8
98 44.9 38.4 57.6



#40
Benzene
Concen: 21.195 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 78 Resp: 412886
Ion Ratio Lower Upper
78 100
77 25.2 19.1 28.7





#41

Methacrylonitrile

Concen: 21.958 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

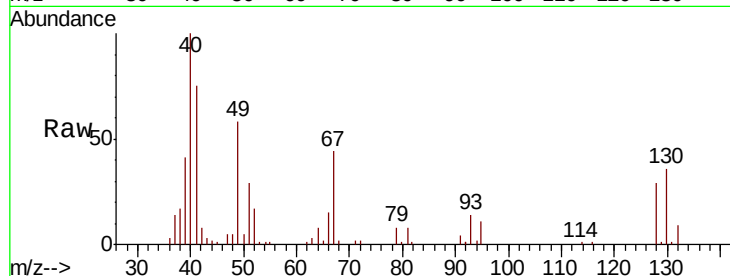
MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 64884

Ion Ratio Lower Upper

41	100		
39	47.7	46.8	70.2
67	65.5	67.0	100.4
52	27.7	26.5	39.7



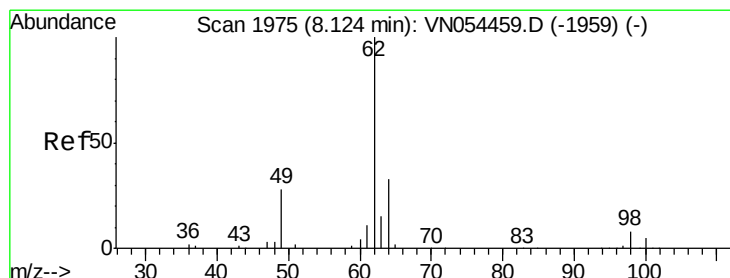
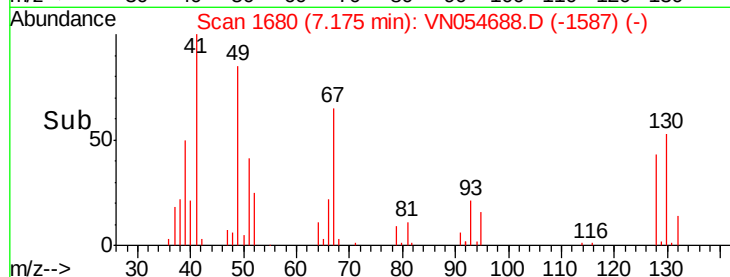
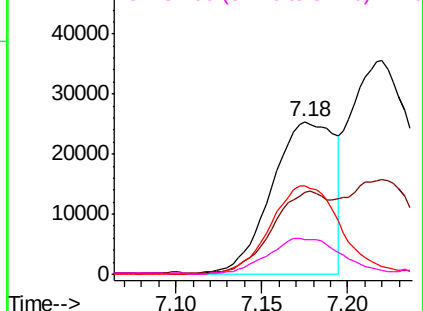
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 21.876 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

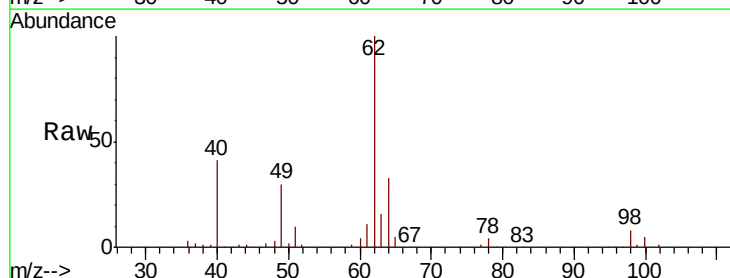
Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Tgt Ion: 62 Resp: 155197

Ion Ratio Lower Upper

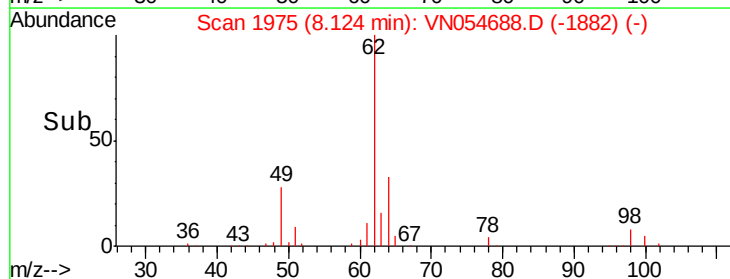
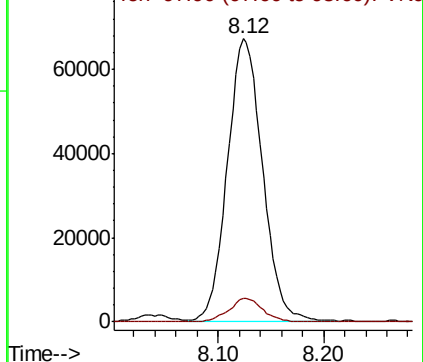
62	100		
98	8.0	0.0	18.4

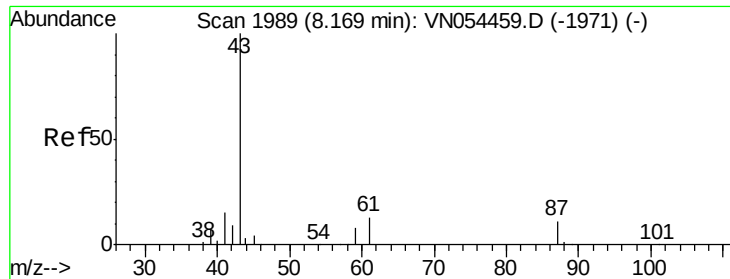


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 21.846 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

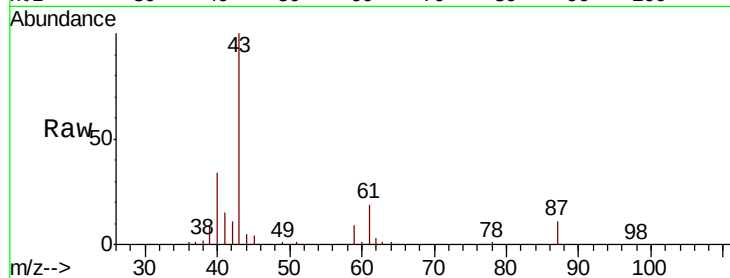
Tot Ion: 43 Resp: 178766

Ion Ratio Lower Upper

43 100

61 18.3 15.8 23.8

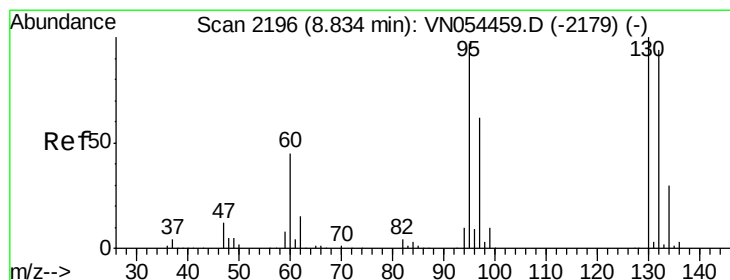
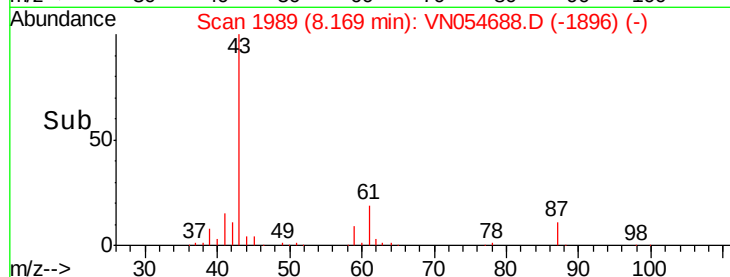
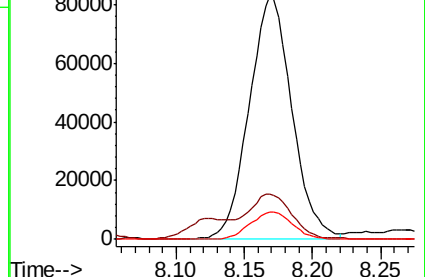
87 11.4 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 20.638 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054688.D

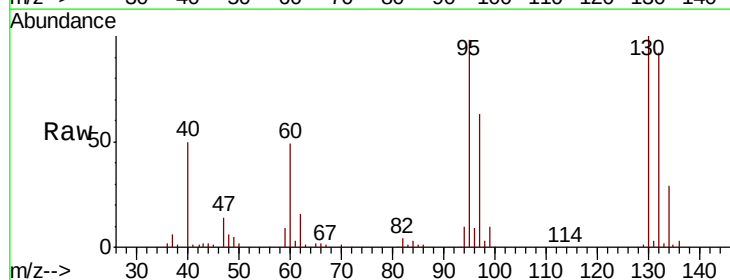
Acq: 26 Mar 2019 10:35

Tgt Ion:130 Resp: 111774

Ion Ratio Lower Upper

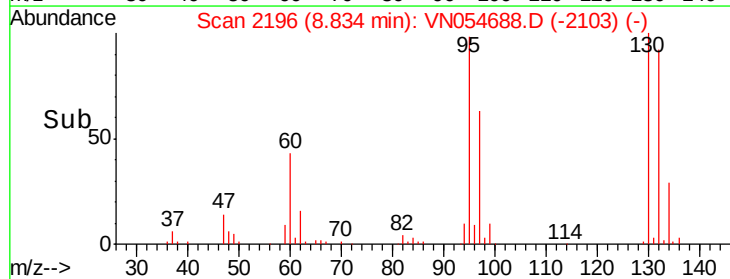
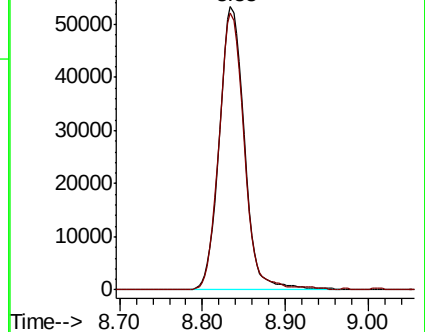
130 100

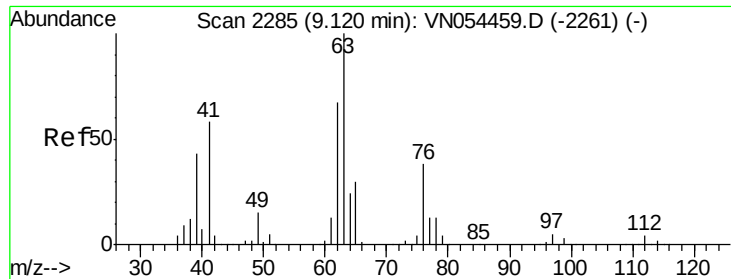
95 97.7 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)

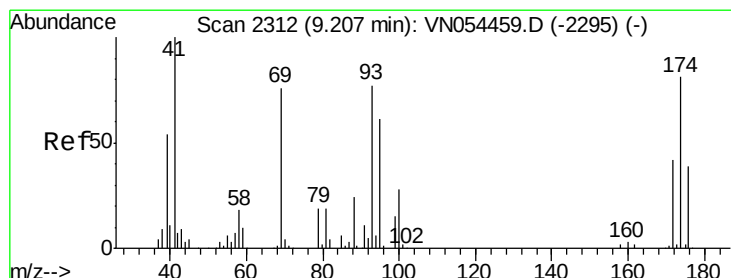
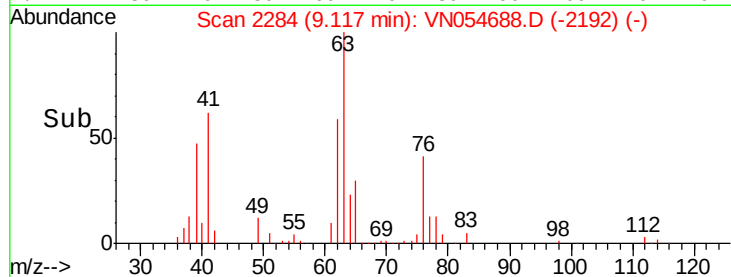
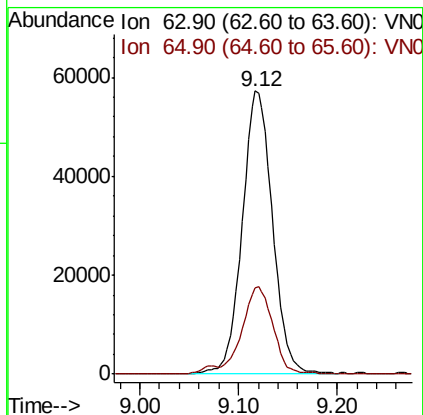
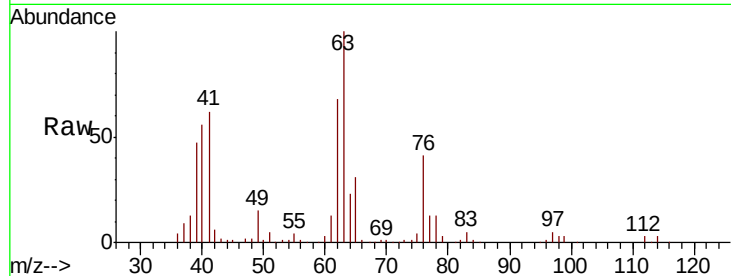




#45
 1,2-Dichloropropane
 Concen: 23.220 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

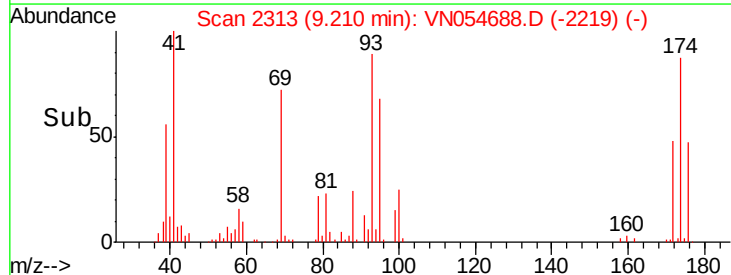
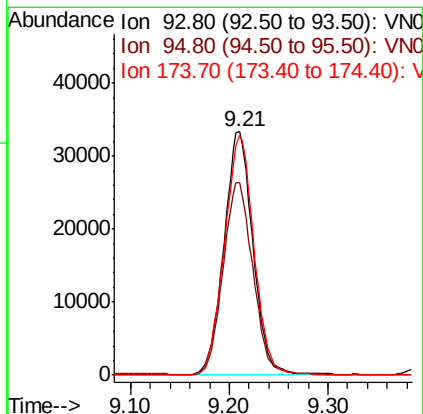
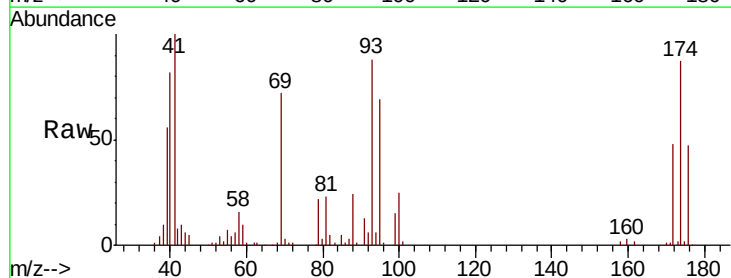
Instrument :
 MSVOA_N
 ClientSampleId :

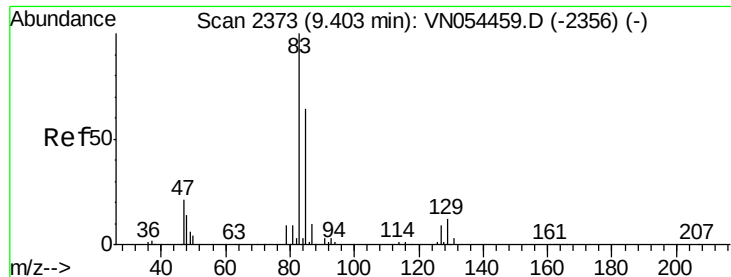
Tot Ion: 63 Resp: 121464
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6



#46
 Dibromomethane
 Concen: 22.056 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Tgt Ion: 93 Resp: 68828
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.7 100.1
 174 99.7 98.5 147.7





#47

Bromodichloromethane

Concen: 22.070 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

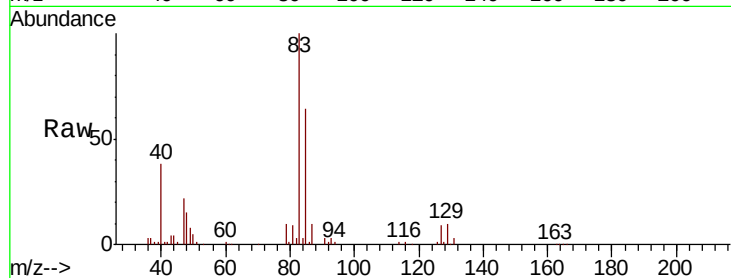
Tot Ion: 83 Resp: 142935

Ion Ratio Lower Upper

83 100

85 64.1 52.8 79.2

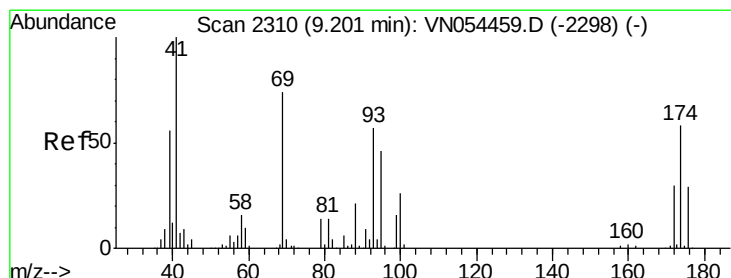
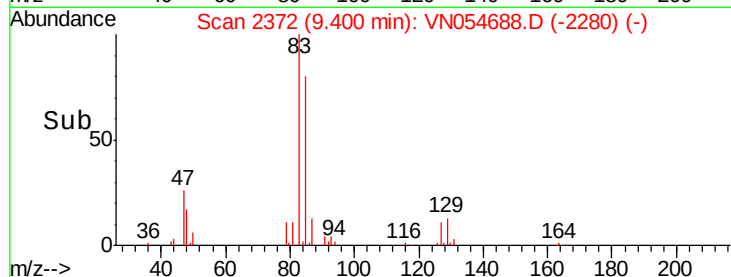
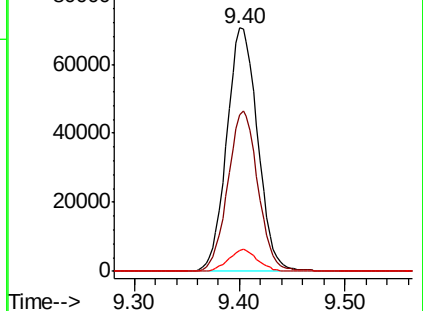
127 8.7 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.904 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

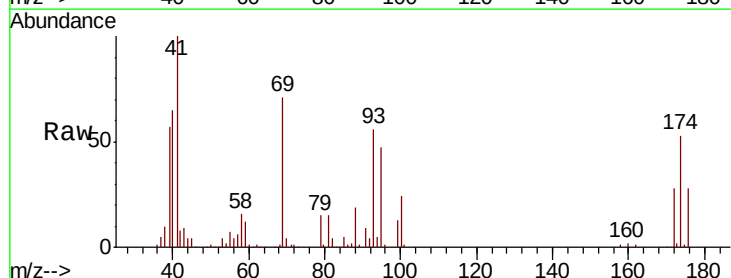
Tgt Ion: 41 Resp: 92844

Ion Ratio Lower Upper

41 100

69 74.2 72.6 108.8

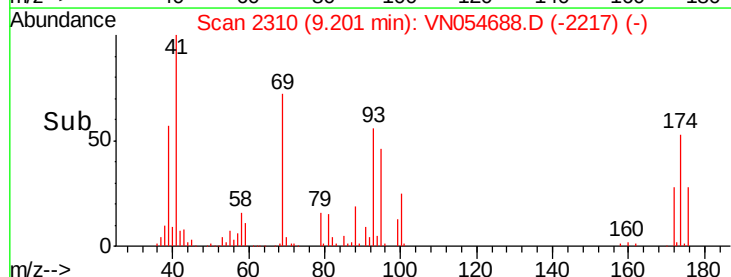
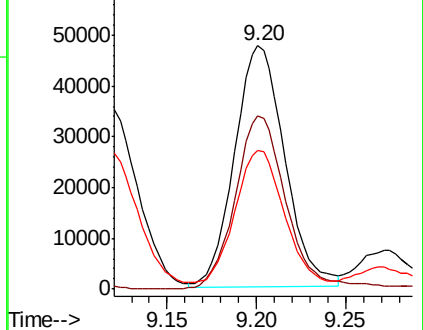
39 56.7 47.5 71.3

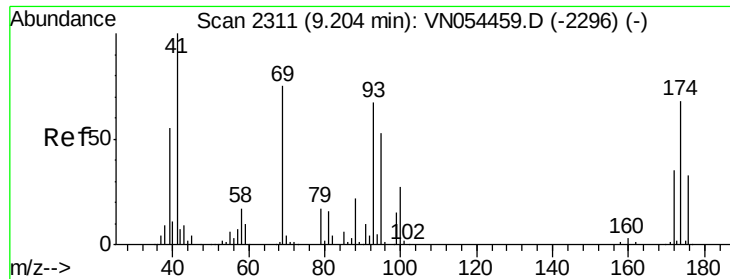


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 404.251 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

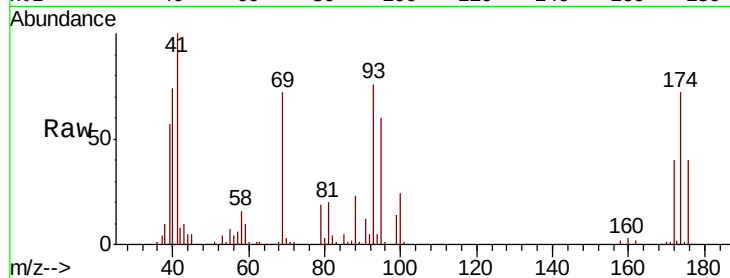
Tot Ion: 88 Resp: 20072

Ion Ratio Lower Upper

88 100

43 39.7 24.1 36.1#

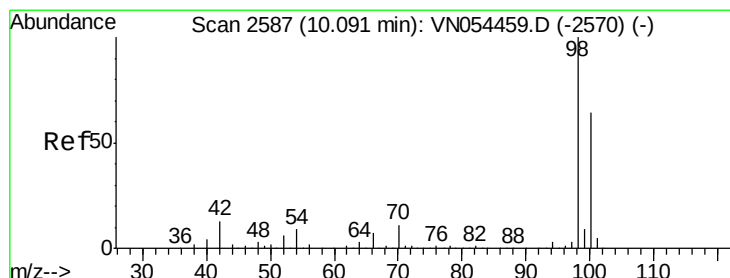
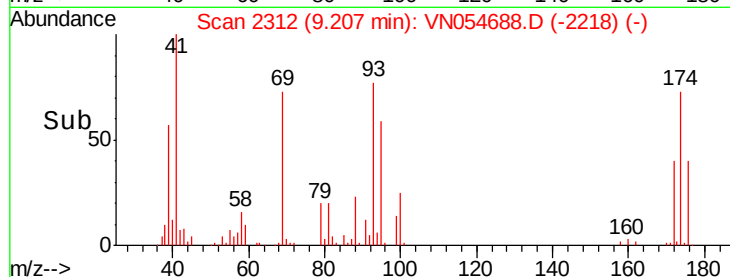
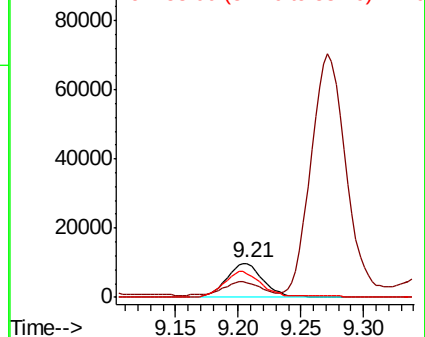
58 77.1 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.534 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054688.D

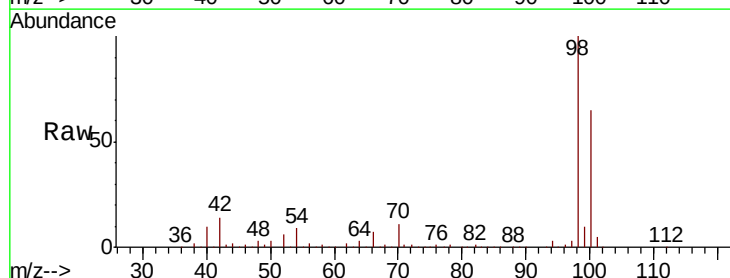
Acq: 26 Mar 2019 10:35

Tgt Ion: 98 Resp: 891756

Ion Ratio Lower Upper

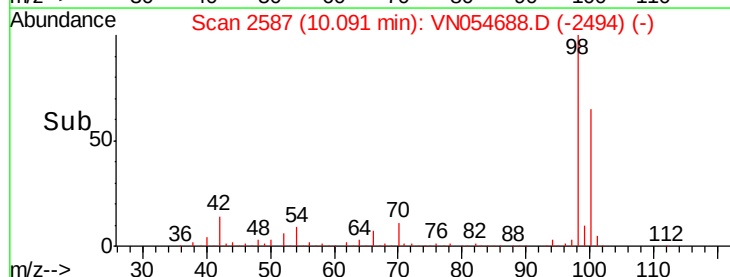
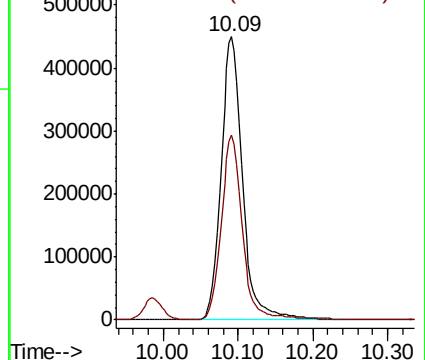
98 100

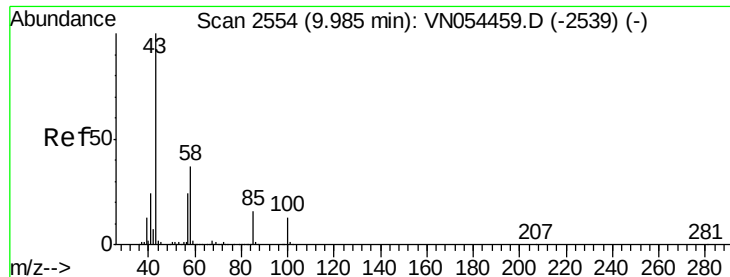
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

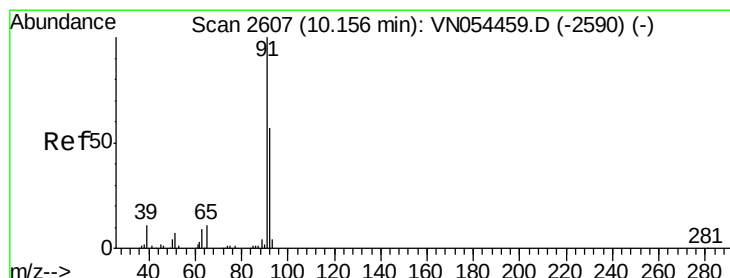
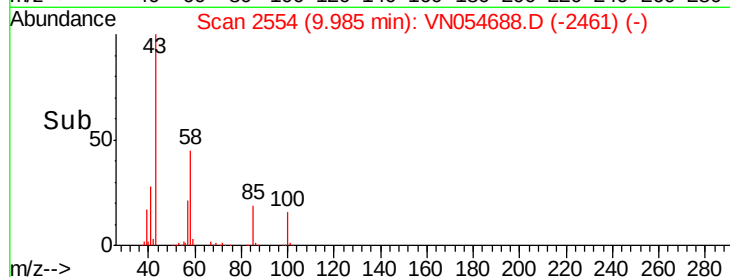
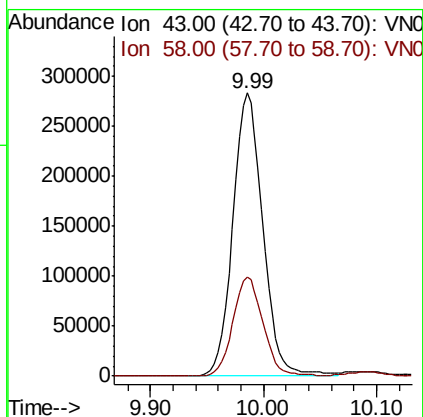
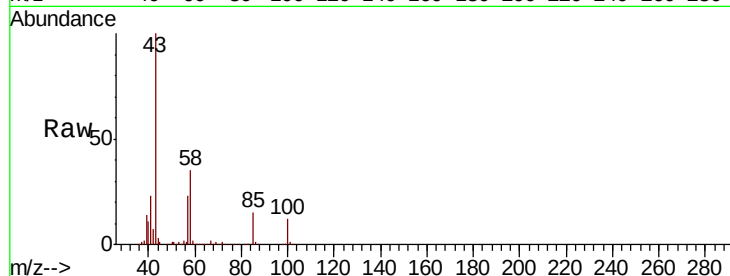




#51
4-Methyl-2-Pentanone
Concen: 114.660 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

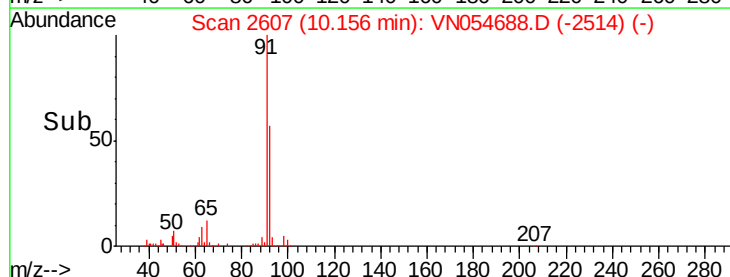
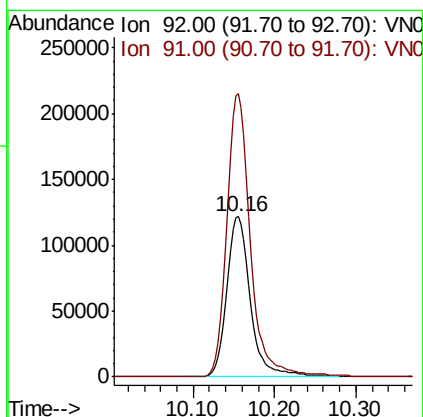
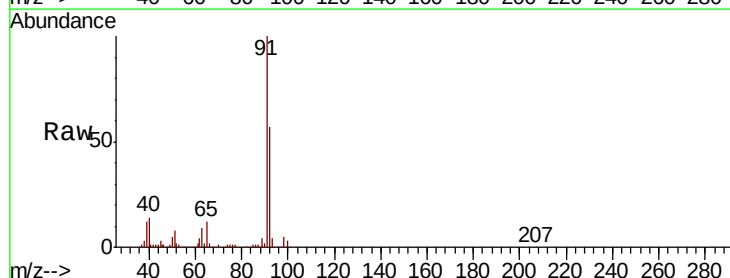
Instrument :
MSVOA_N
ClientSampleId :

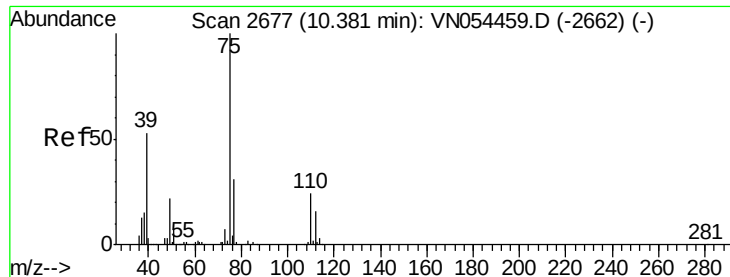
Tot Ion: 43 Resp: 519984
Ion Ratio Lower Upper
43 100
58 35.3 31.8 47.6



#52
Toluene
Concen: 20.839 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 92 Resp: 249682
Ion Ratio Lower Upper
92 100
91 174.4 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 19.851 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

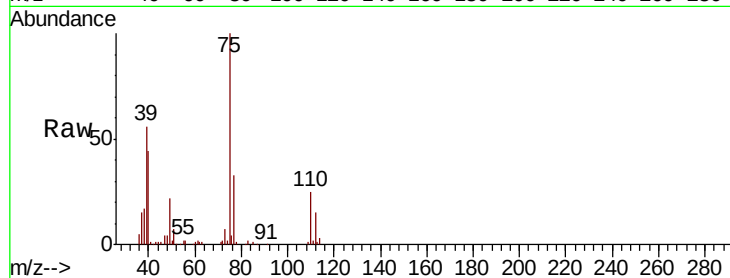
ClientSampled :

Tot Ion: 75 Resp: 125999

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

60000

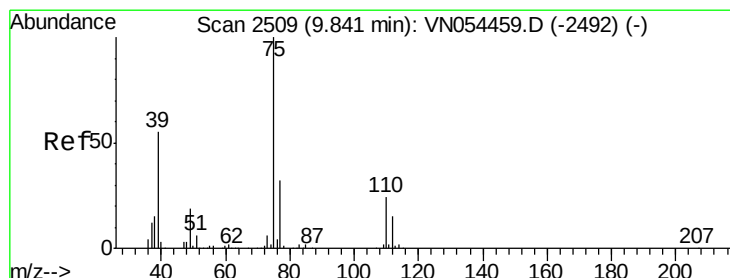
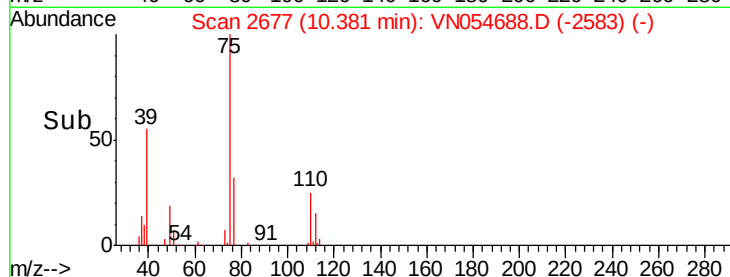
40000

20000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 21.342 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

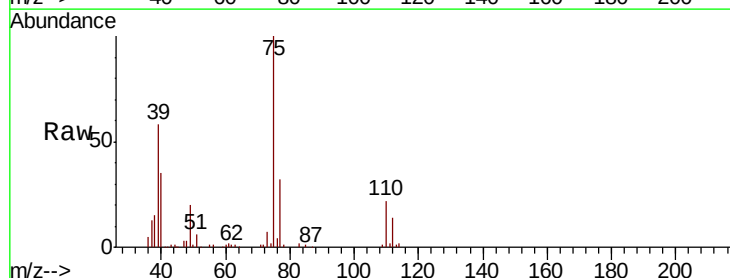
Tgt Ion: 75 Resp: 158485

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

39 57.2 37.2 55.8#



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

100000

80000

60000

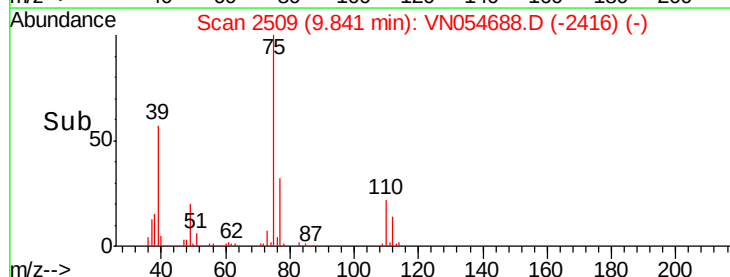
40000

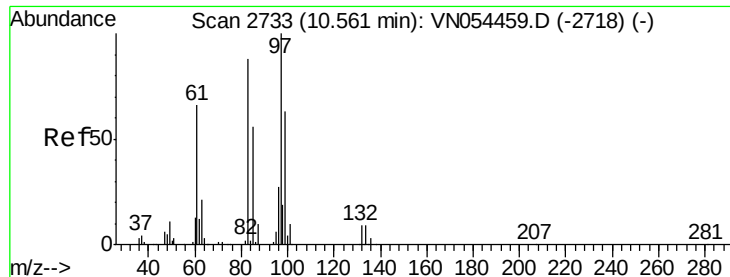
20000

0

Time-->

9.75 9.80 9.85 9.90 9.95





#55

1,1,2-Trichloroethane

Concen: 21.753 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054688.D

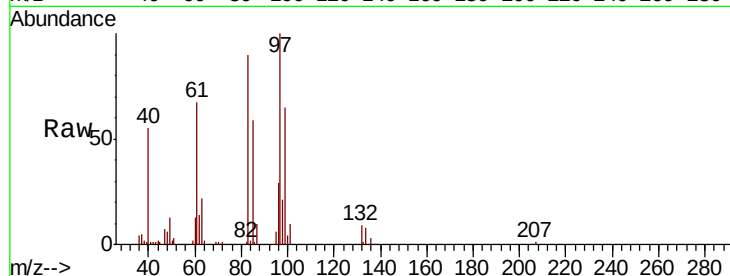
Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	97	Resp:	93686
Ion	Ratio	Lower	Upper
97	100		
83	89.8	66.6	100.0
85	59.3	44.4	66.6
99	65.3	50.8	76.2

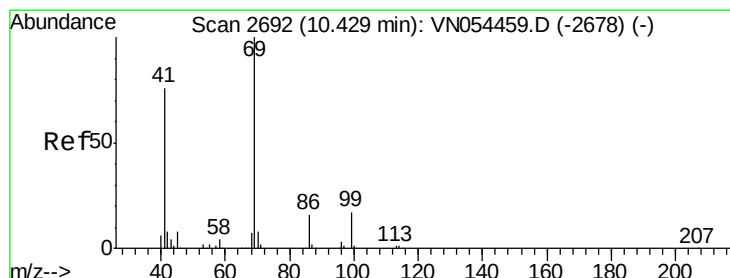
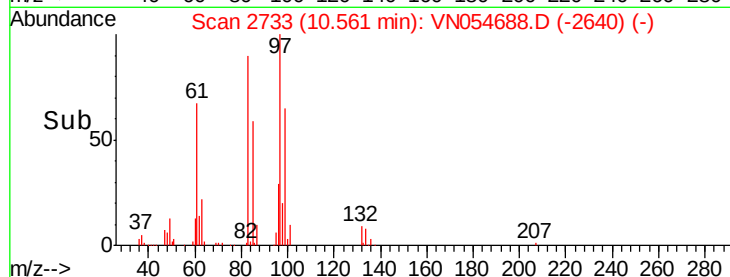
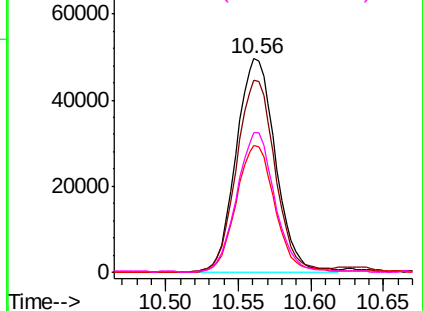


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 20.602 ug/l

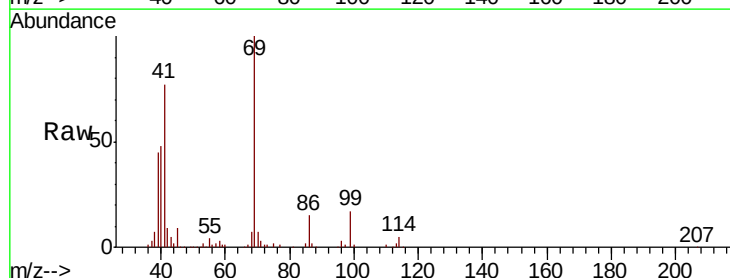
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

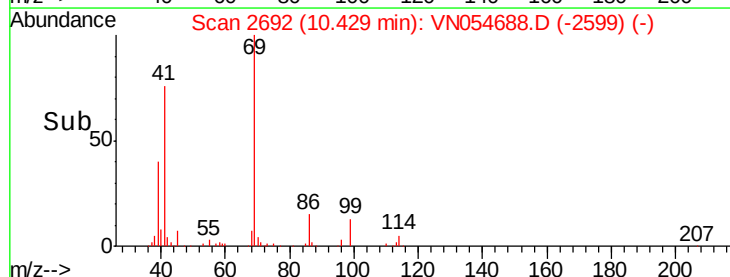
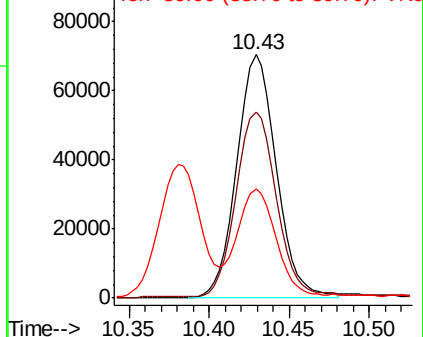
Tgt Ion:	69	Resp:	119097
Ion	Ratio	Lower	Upper
69	100		
41	77.9	49.4	74.2#
39	43.1	28.3	42.5#

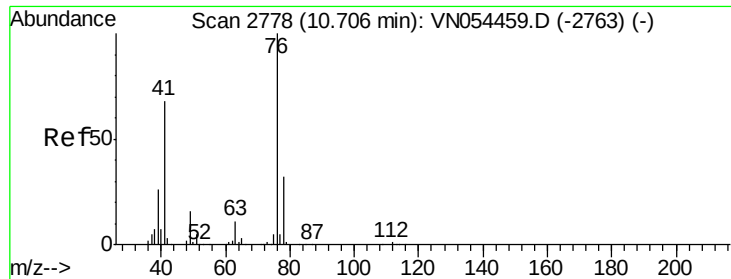


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 21.844 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

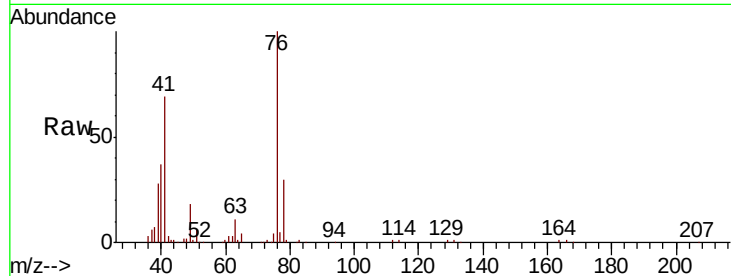
ClientSampled :

Tot Ion: 76 Resp: 163543

Ion Ratio Lower Upper

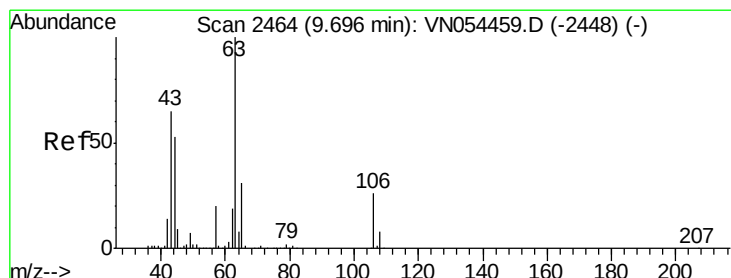
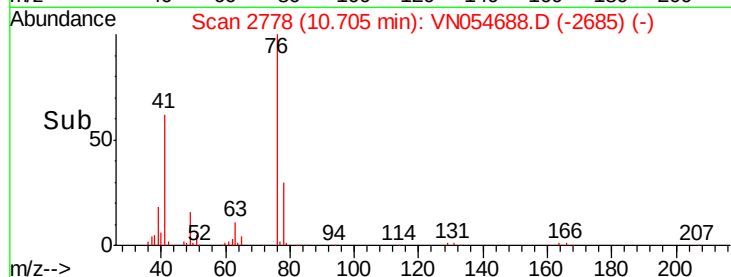
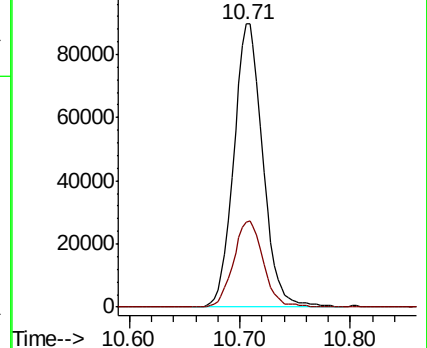
76 100

78 31.3 25.7 38.5



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: 90.446 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054688.D

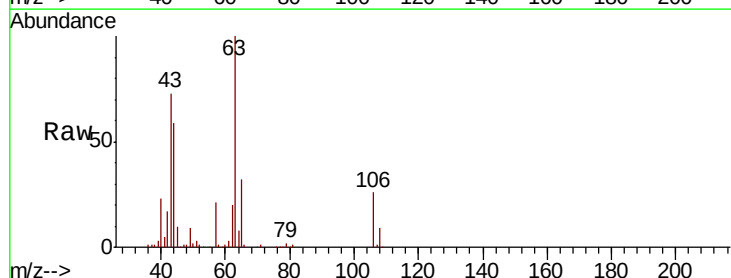
Acq: 26 Mar 2019 10:35

Tgt Ion: 63 Resp: 215296

Ion Ratio Lower Upper

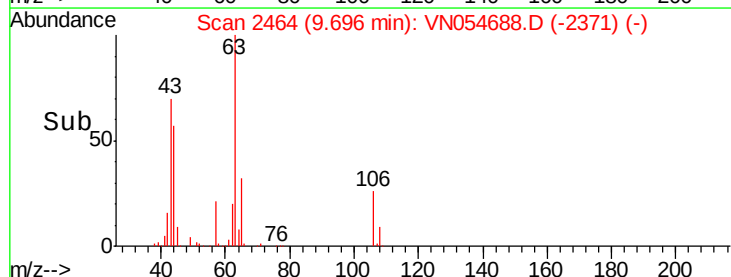
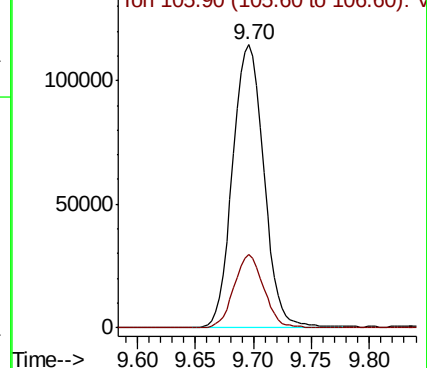
63 100

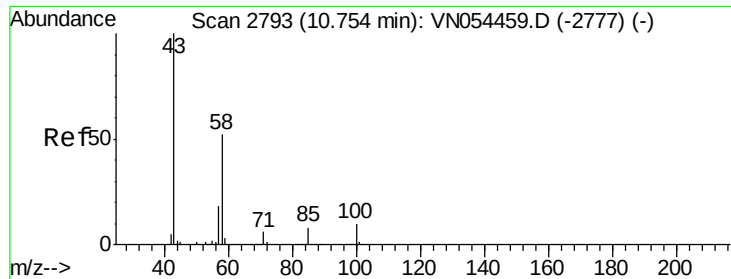
106 24.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

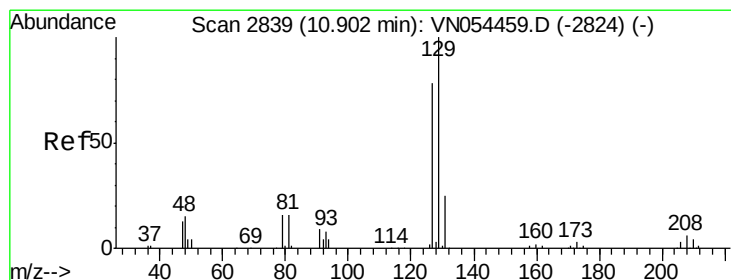
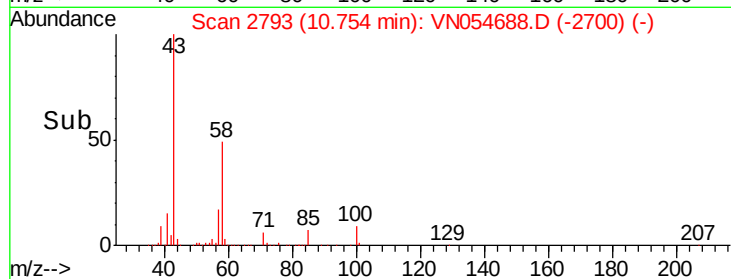
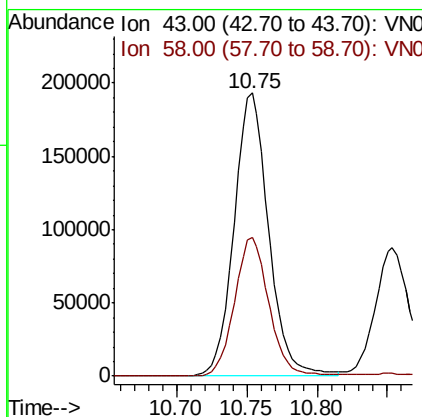
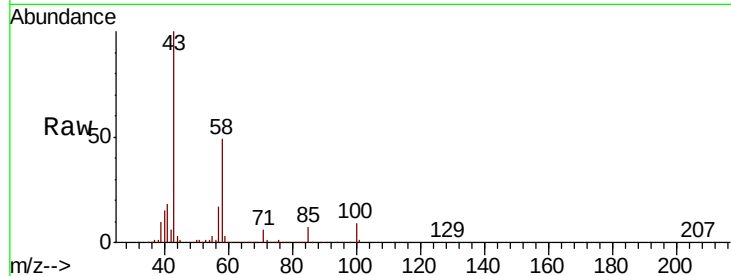




#59
2-Hexanone
Concen: 111.219 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

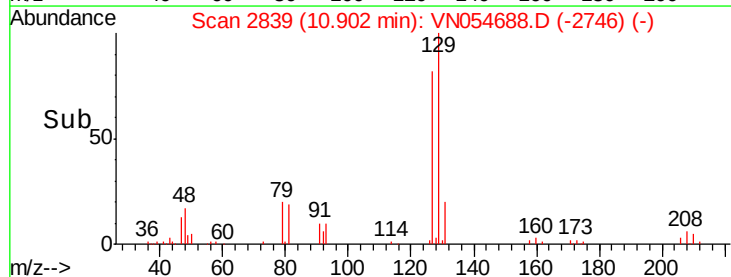
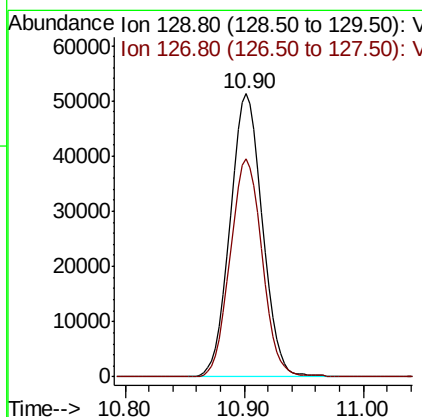
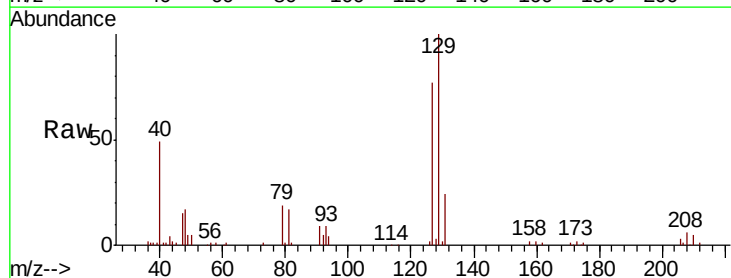
Instrument :
MSVOA_N
ClientSampled :

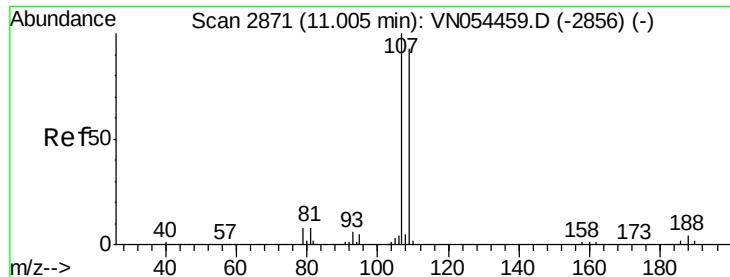
Tot Ion: 43 Resp: 329457
Ion Ratio Lower Upper
43 100
58 49.5 28.0 83.9



#60
Dibromochloromethane
Concen: 21.047 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 129 Resp: 96458
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.085 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

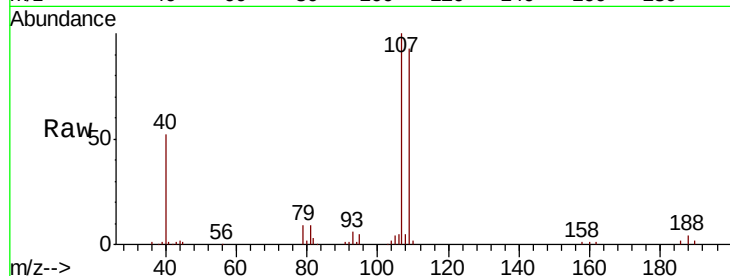
ClientSampled :

Tot Ion:107 Resp: 89776

Ion Ratio Lower Upper

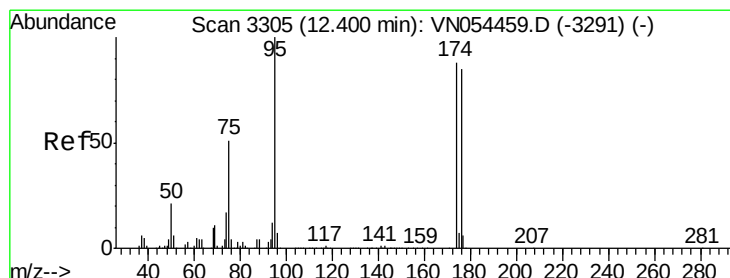
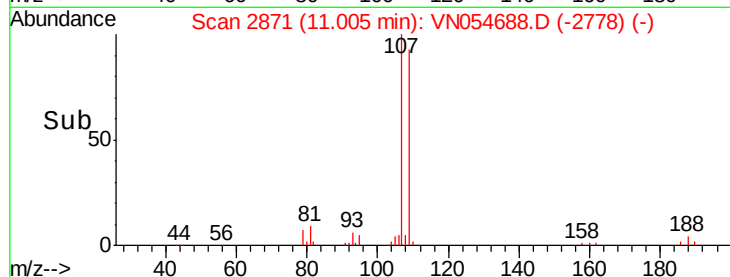
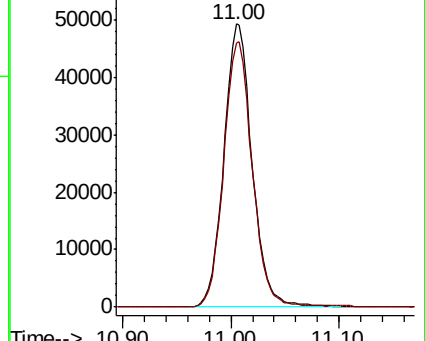
107 100

109 94.4 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.669 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

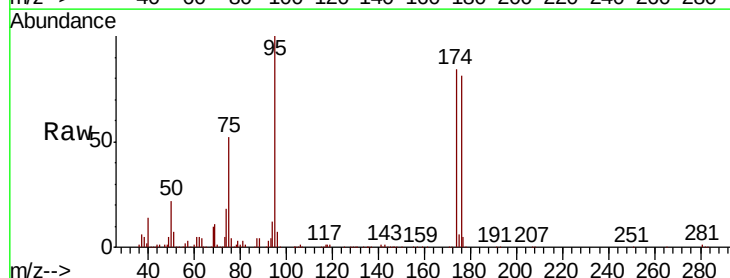
Tgt Ion: 95 Resp: 298255

Ion Ratio Lower Upper

95 100

174 83.8 0.0 191.0

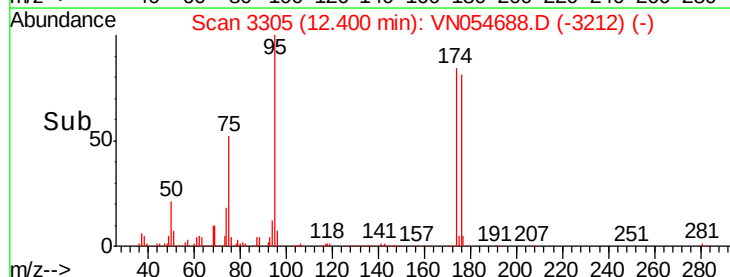
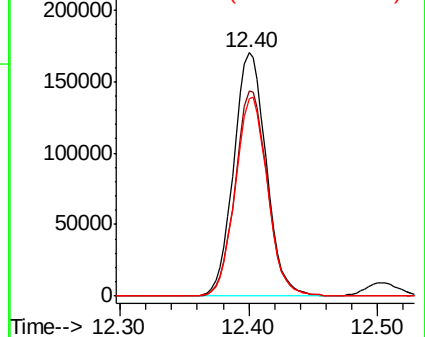
176 81.2 0.0 187.4

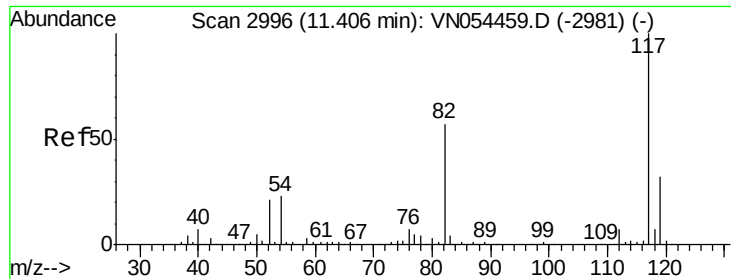


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

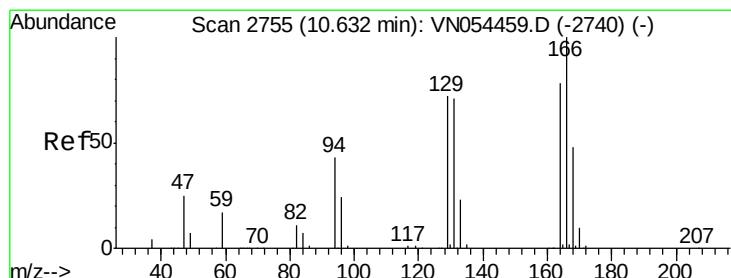
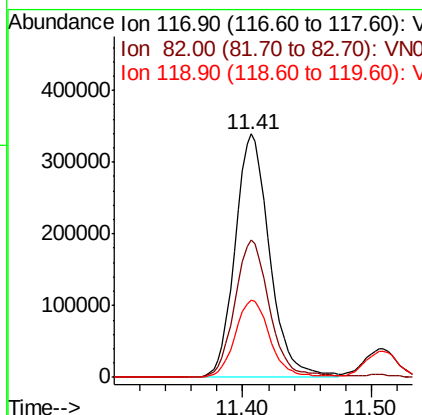
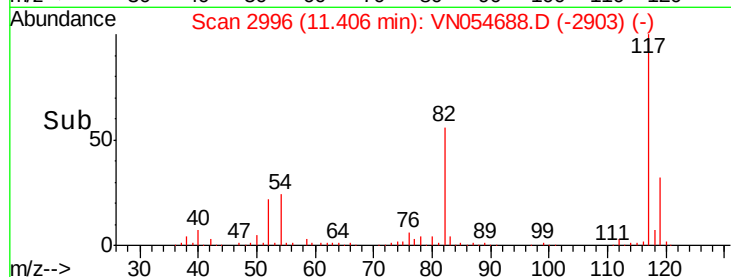
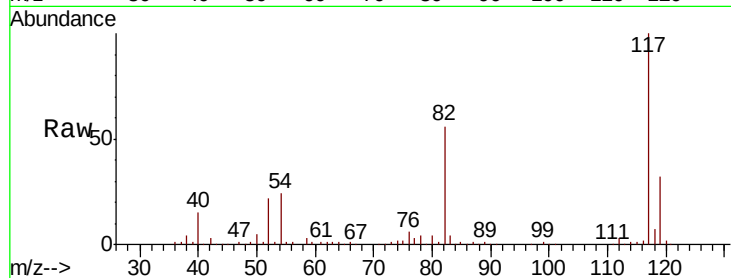




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

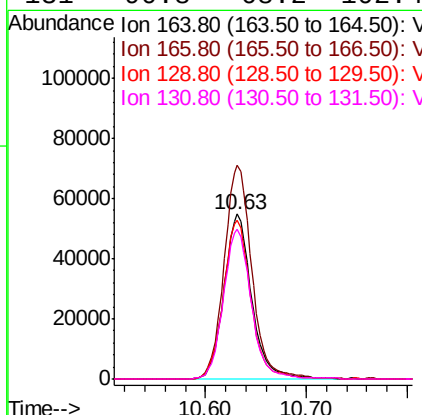
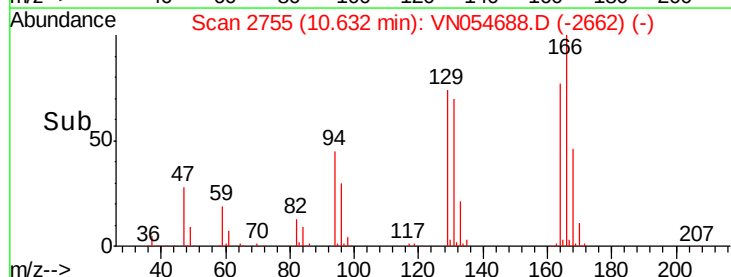
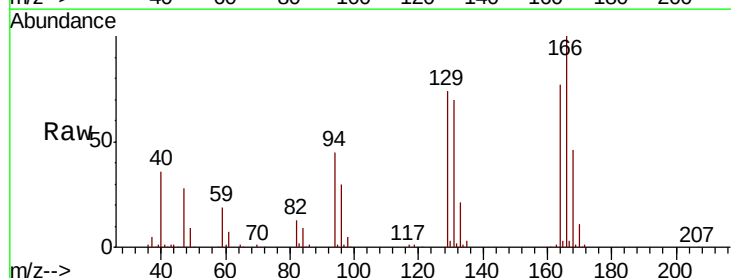
Instrument :
MSVOA_N
ClientSampled :

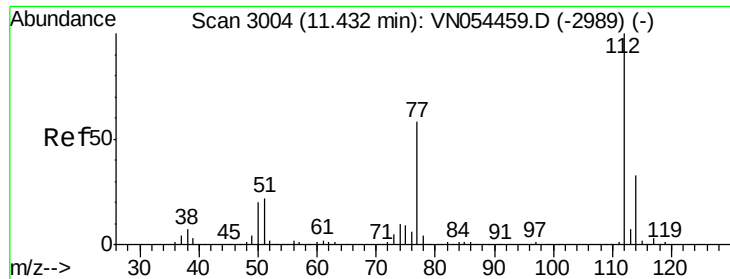
Tot Ion:117 Resp: 630503
Ion Ratio Lower Upper
117 100
82 56.2 40.0 60.0
119 31.8 25.8 38.6



#64
Tetrachloroethene
Concen: 20.138 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion:164 Resp: 105315
Ion Ratio Lower Upper
164 100
166 129.7 103.9 155.9
129 96.6 71.1 106.7
131 90.8 68.2 102.4

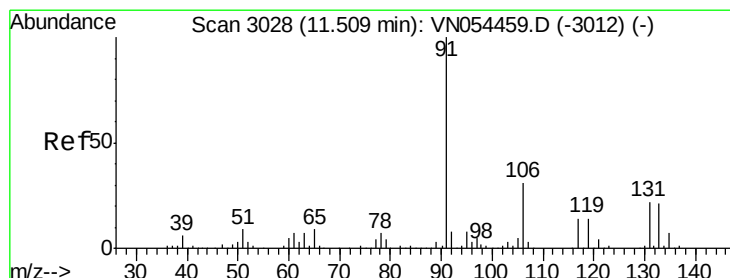
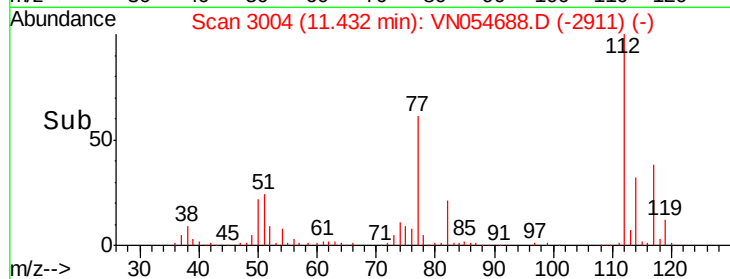
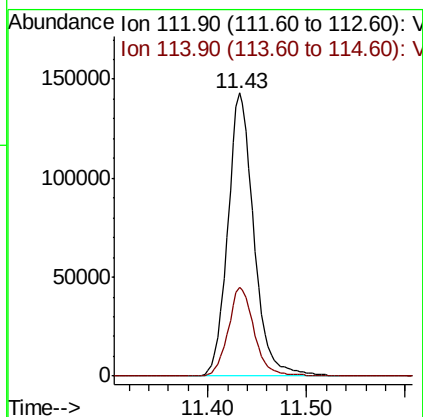
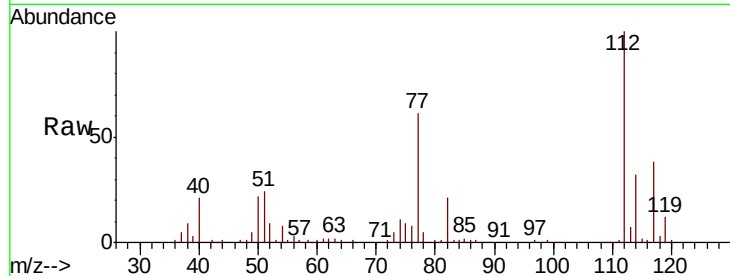




#65
Chlorobenzene
Concen: 20.640 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

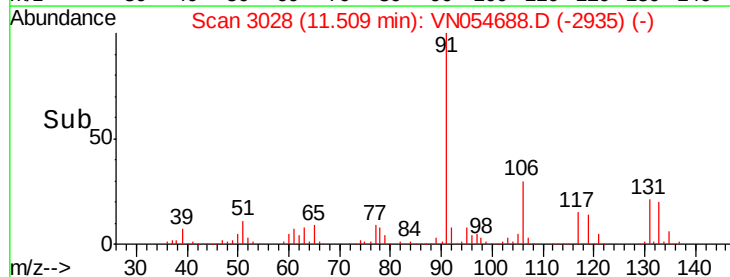
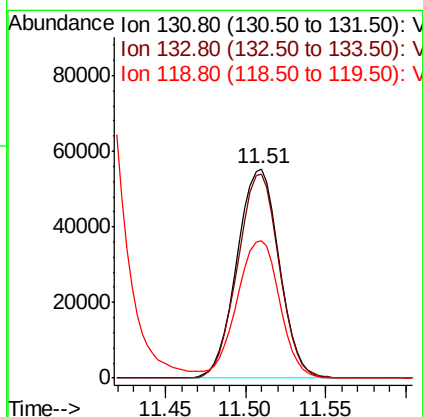
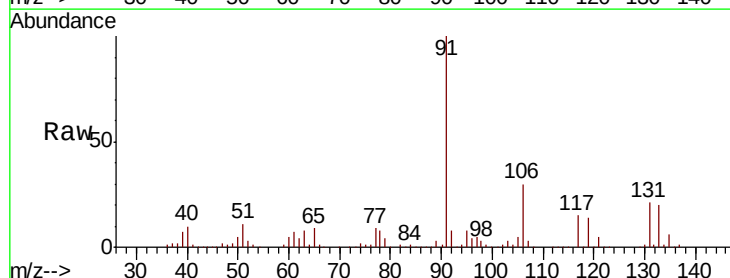
Instrument :
MSVOA_N
ClientSampleId :

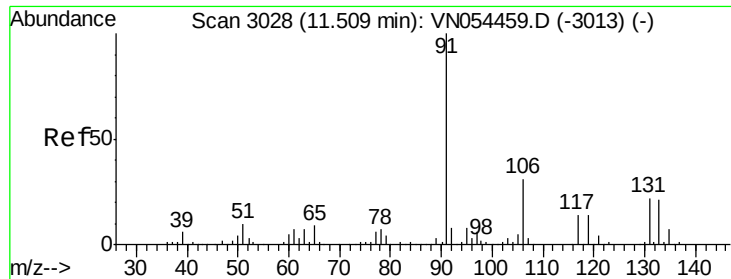
Tot Ion:112 Resp: 264678
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.620 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion:131 Resp: 99515
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.9
119 67.1 32.4 97.0

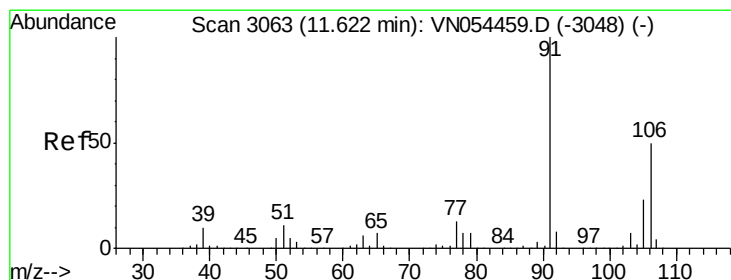
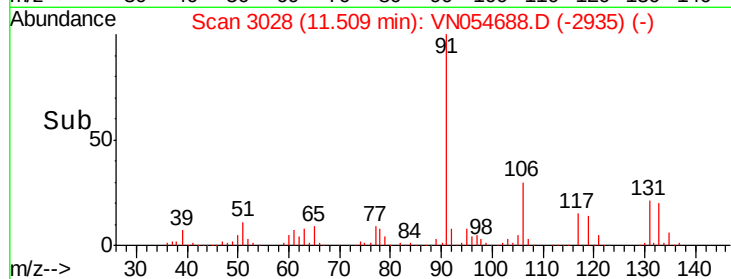
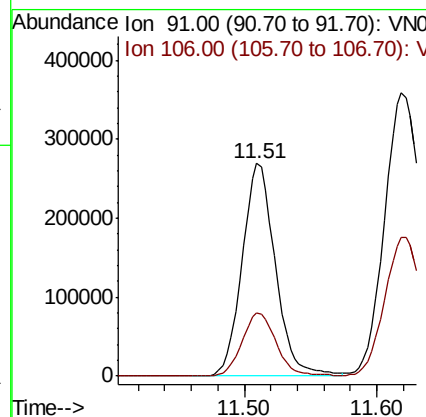
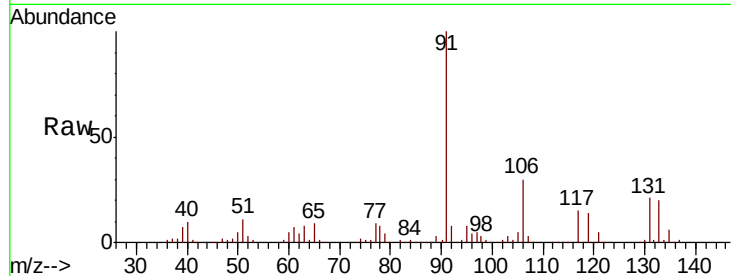




#67
Ethyl Benzene
Concen: 20.763 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

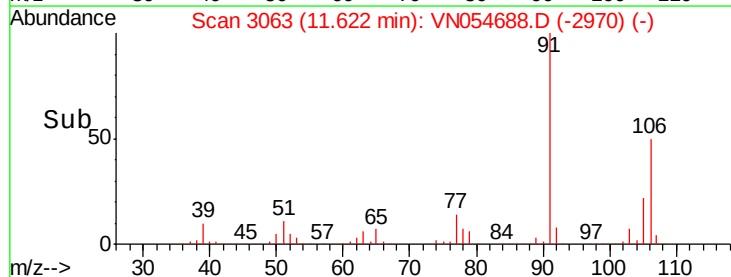
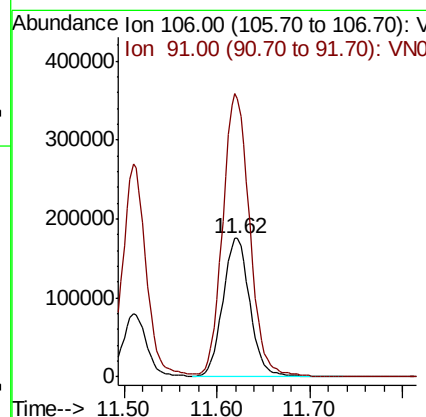
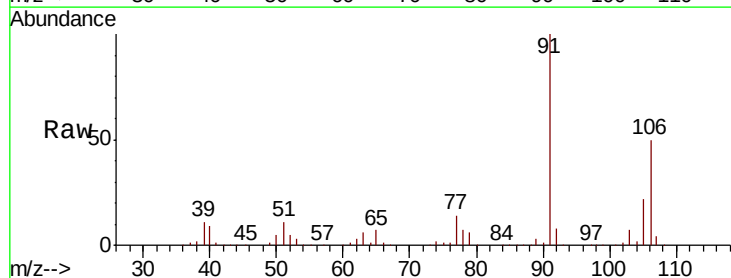
Instrument :
MSVOA_N
ClientSampled :

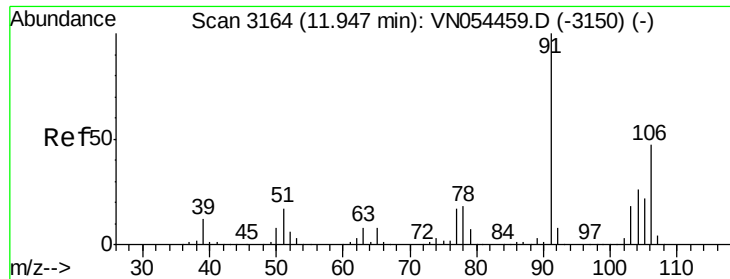
Tot Ion: 91 Resp: 470321
Ion Ratio Lower Upper
91 100
106 29.8 25.5 38.3



#68
m/p-Xylenes
Concen: 41.445 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 106 Resp: 355604
Ion Ratio Lower Upper
106 100
91 203.9 159.4 239.2

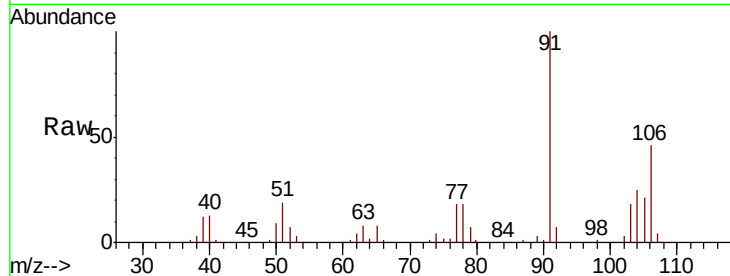




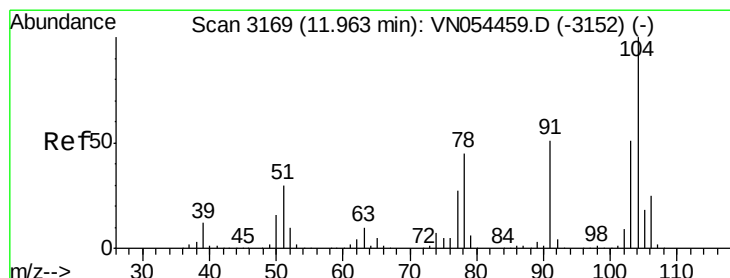
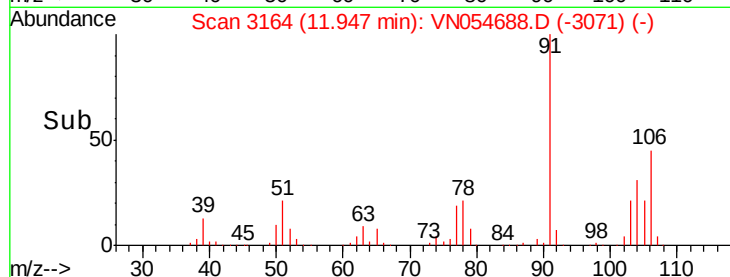
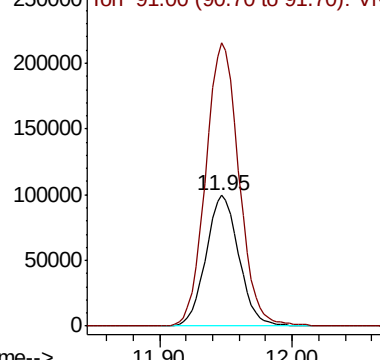
#69
o-Xylene
Concen: 20.484 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 171642
Ion Ratio Lower Upper
106 100
91 219.0 105.7 317.1

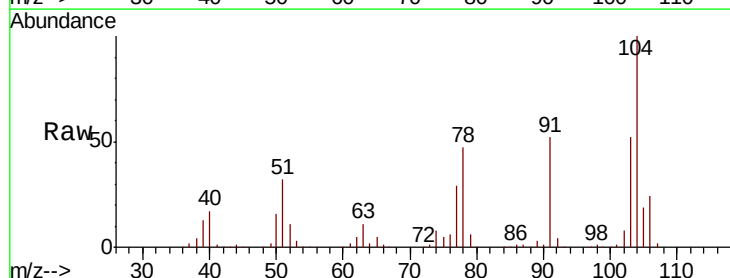


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

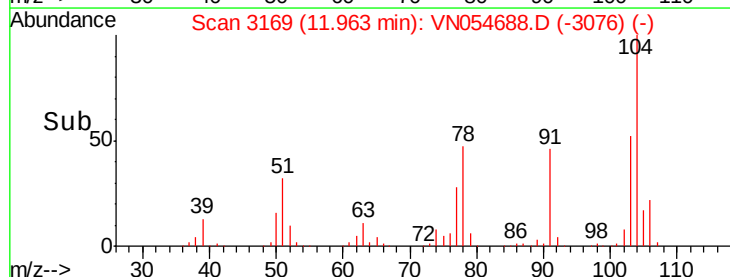
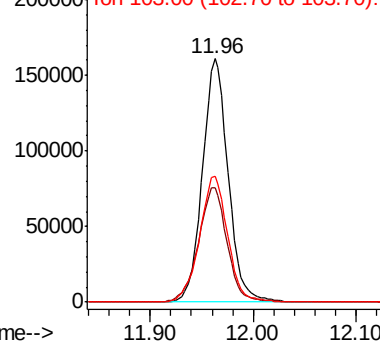


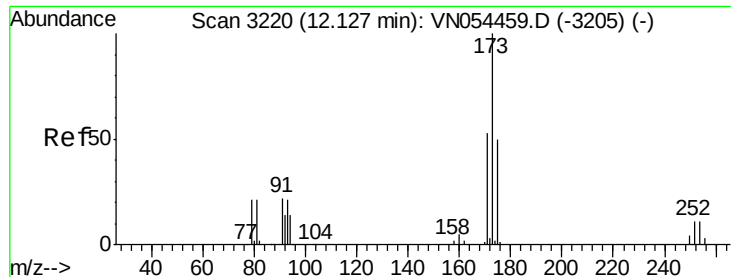
#70
Styrene
Concen: 20.610 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion:104 Resp: 280452
Ion Ratio Lower Upper
104 100
78 52.2 38.2 57.2
103 56.3 44.4 66.6



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

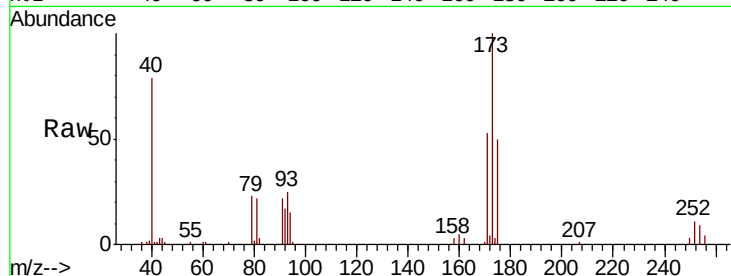




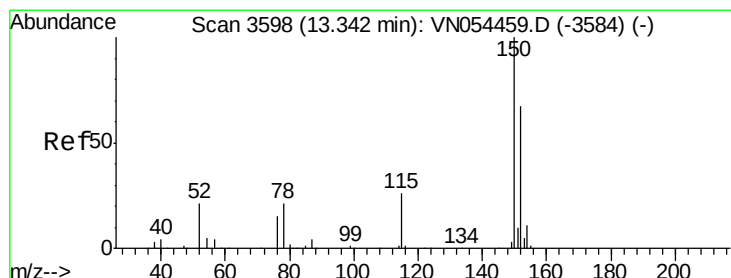
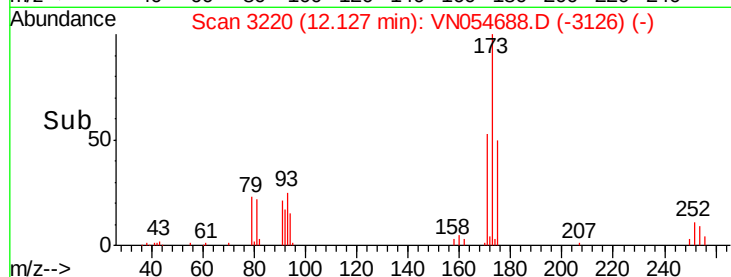
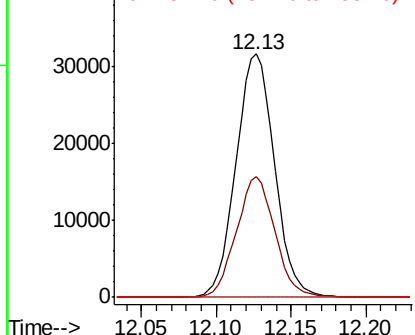
#71
Bromoform
Concen: 19.310 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 56750
Ion Ratio Lower Upper
173 100
175 49.5 24.4 73.2
254 0.0 0.1 0.1#

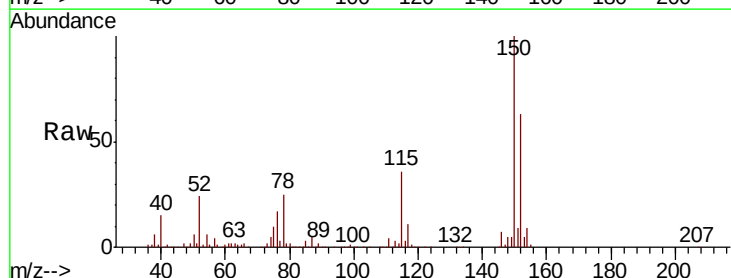


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

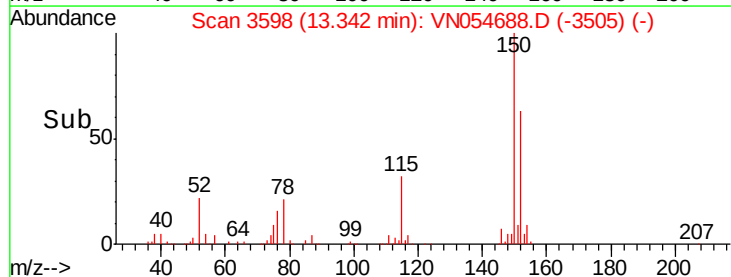
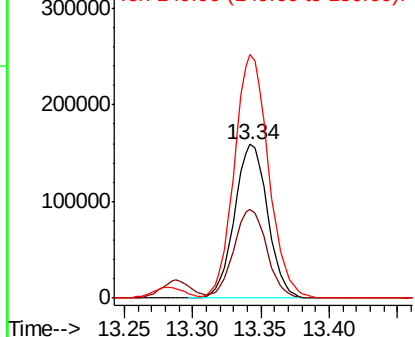


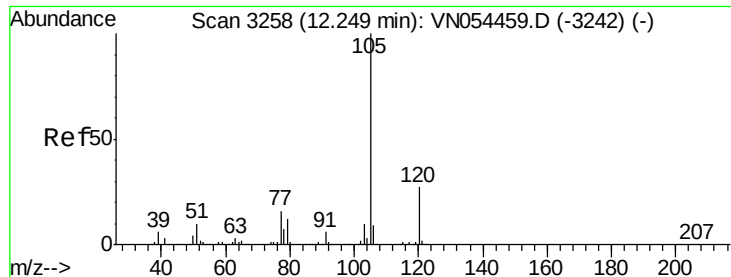
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion:152 Resp: 268124
Ion Ratio Lower Upper
152 100
115 57.6 27.2 81.6
150 163.7 0.0 349.2



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: 21.044 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

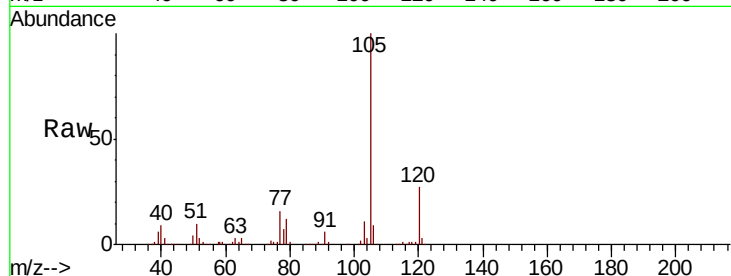
ClientSampleId :

Tot Ion:105 Resp: 454678

Ion Ratio Lower Upper

105 100

120 26.7 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

250000

200000

150000

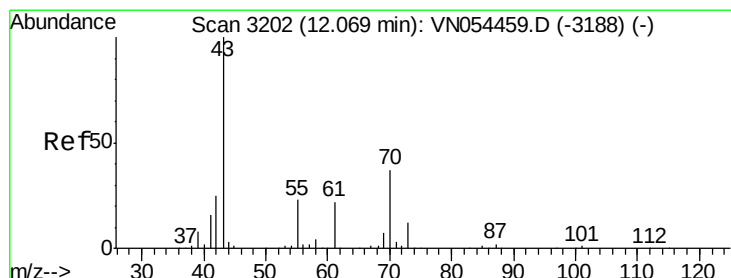
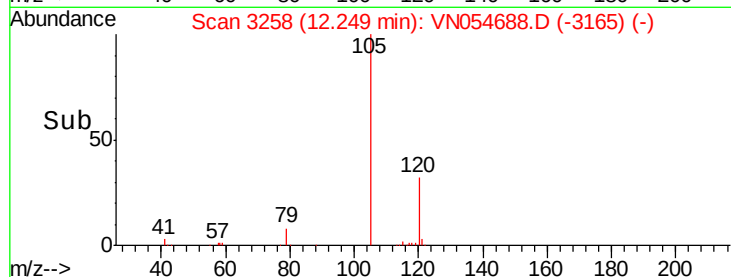
100000

50000

0

Time-->

12.20 12.30



#74

N-amyl acetate

Concen: 22.572 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Tgt Ion: 43 Resp: 140229

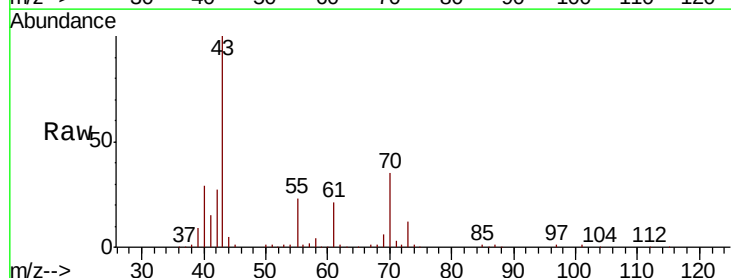
Ion Ratio Lower Upper

43 100

70 36.5 35.4 53.0

55 23.3 19.8 29.6

61 21.8 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

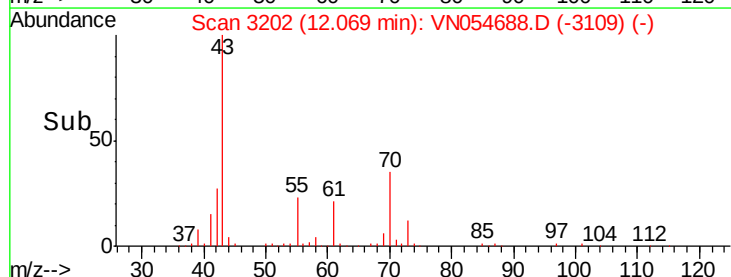
100000

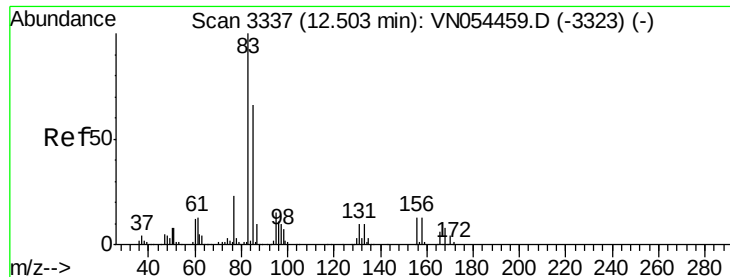
50000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 22.495 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

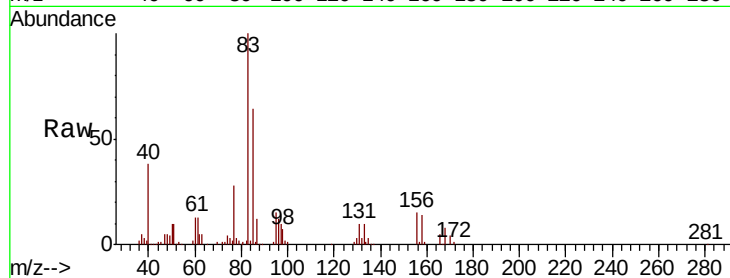
Tot Ion: 83 Resp: 110949

Ion Ratio Lower Upper

83 100

131 9.8 5.8 17.4

85 64.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054459.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-3323) (-)

12.50

60000

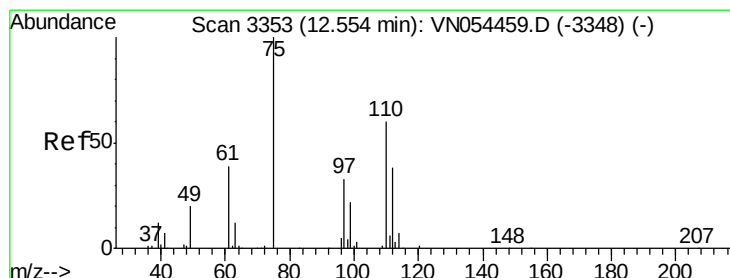
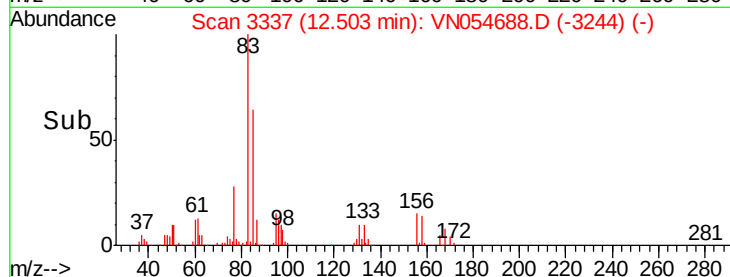
40000

20000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 31.484 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054688.D

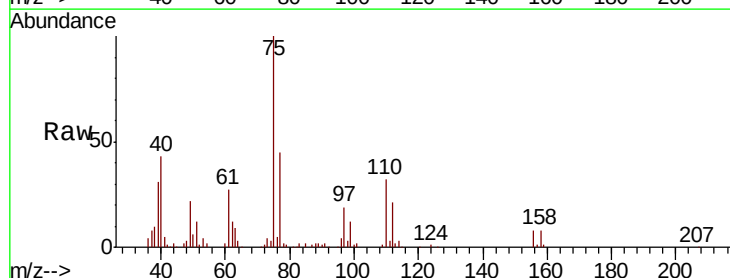
Acq: 26 Mar 2019 10:35

Tgt Ion: 75 Resp: 133955

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054459.D (-3348) (-)

12.55

100000

80000

60000

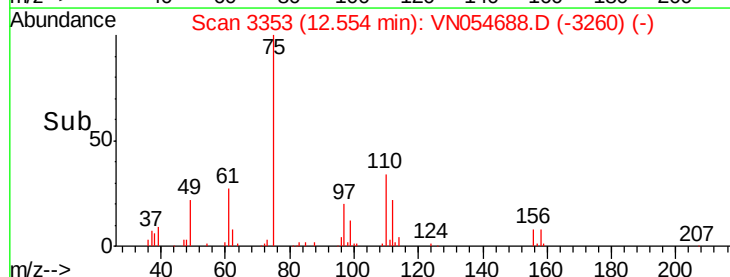
40000

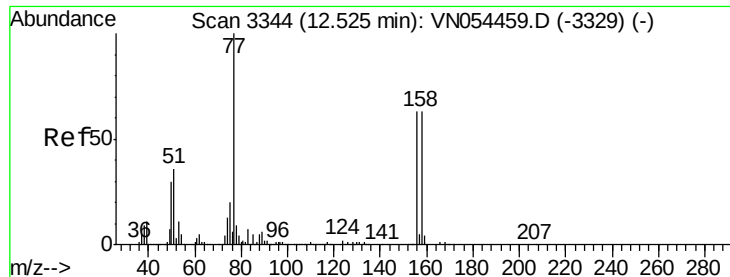
20000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 20.939 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

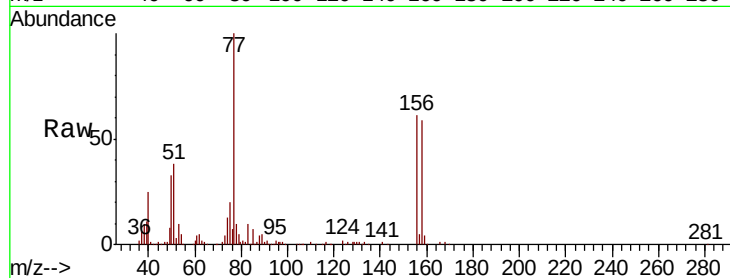
Tot Ion:156 Resp: 112201

Ion Ratio Lower Upper

156 100

77 190.4 81.5 244.4

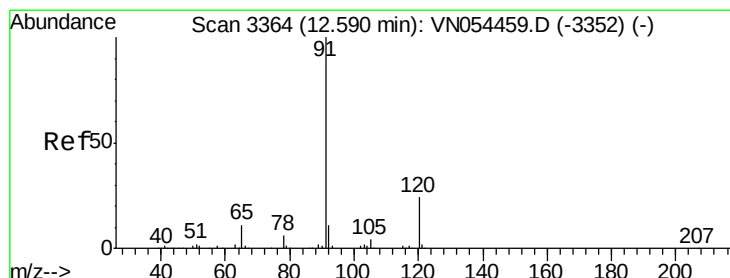
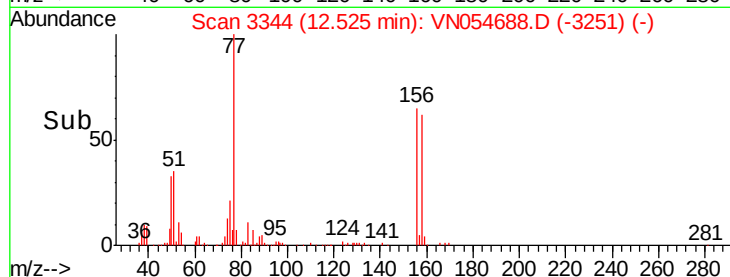
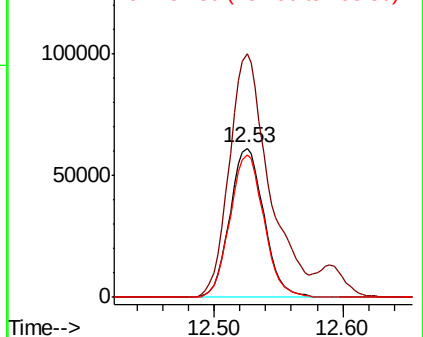
158 95.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.558 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054688.D

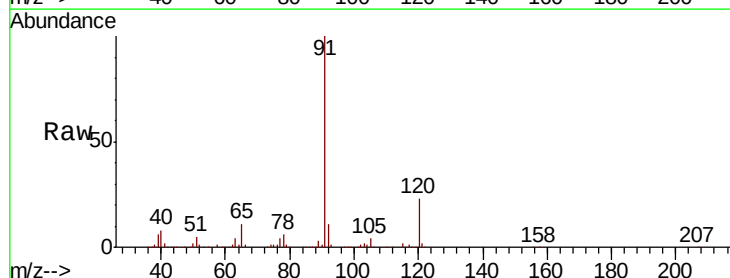
Acq: 26 Mar 2019 10:35

Tgt Ion: 91 Resp: 505065

Ion Ratio Lower Upper

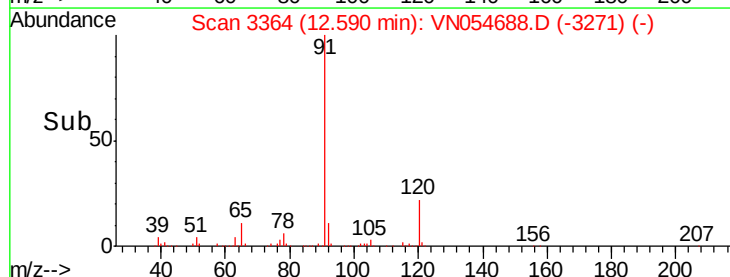
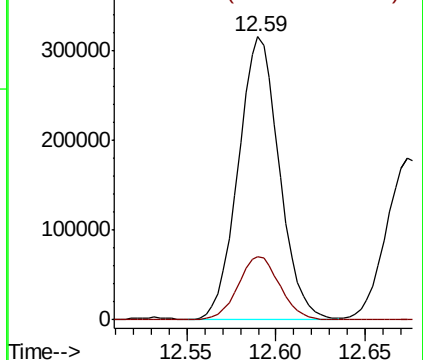
91 100

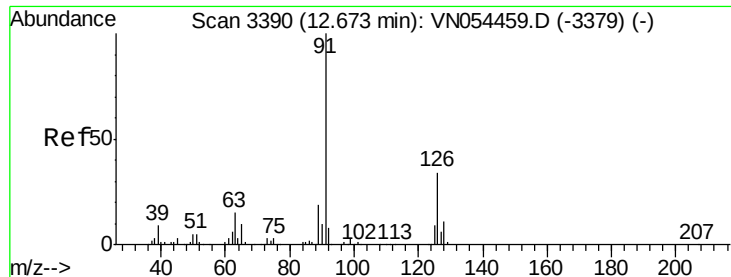
120 22.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.996 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

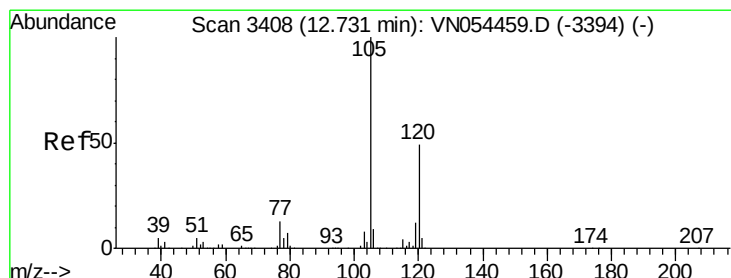
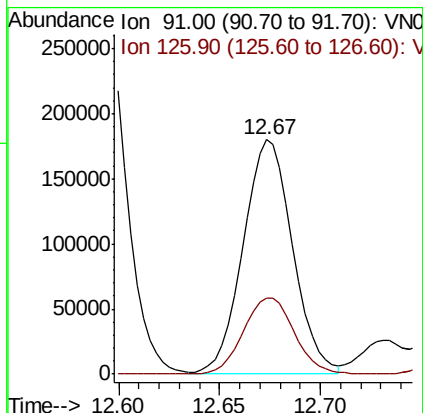
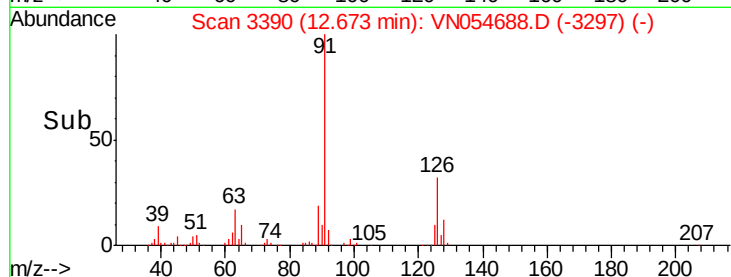
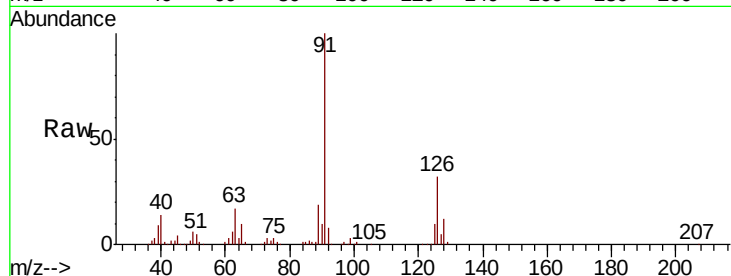
ClientSampled :

Tot Ion: 91 Resp: 306751

Ion Ratio Lower Upper

91 100

126 33.9 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 21.216 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054688.D

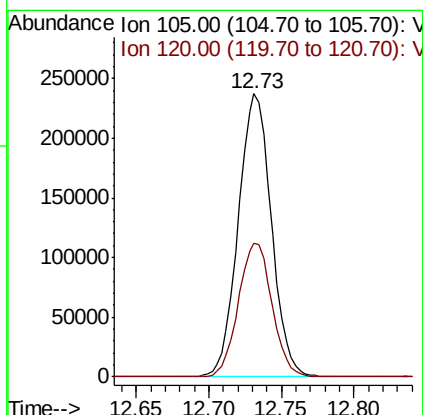
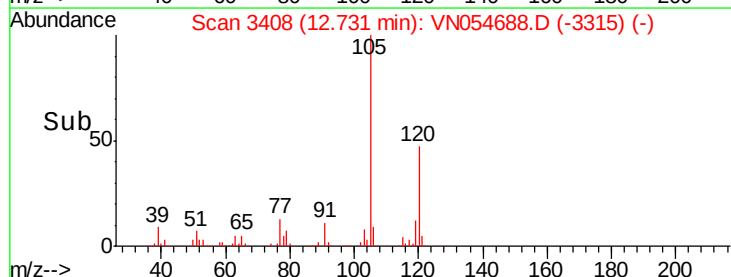
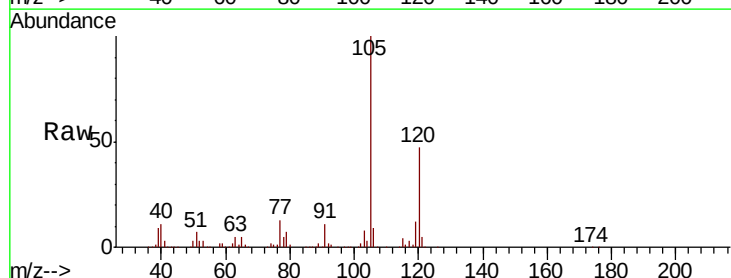
Acq: 26 Mar 2019 10:35

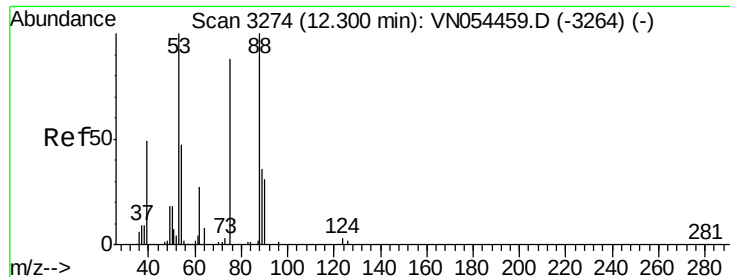
Tgt Ion: 105 Resp: 375692

Ion Ratio Lower Upper

105 100

120 48.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.103 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

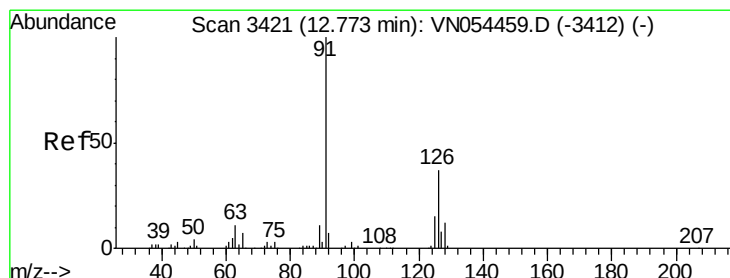
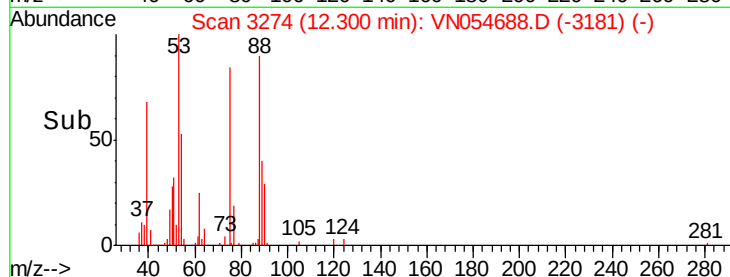
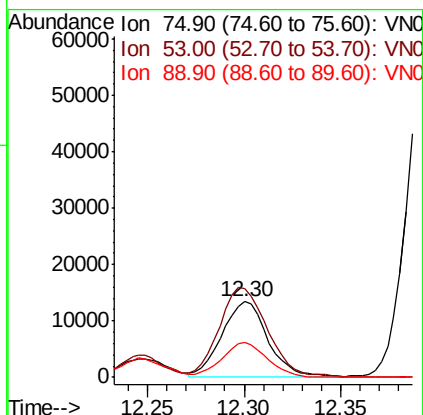
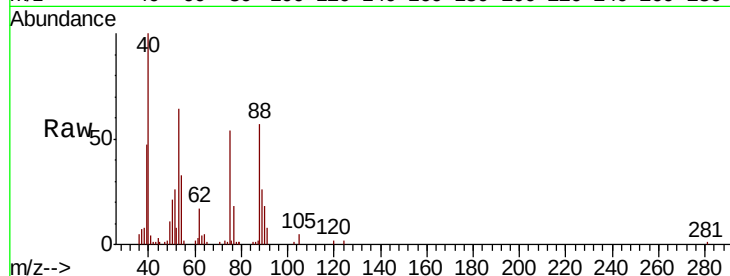
Tot Ion: 75 Resp: 22312

Ion Ratio Lower Upper

75 100

53 125.1 76.2 114.2#

89 45.5 39.2 58.8



#82

4-Chlorotoluene

Concen: 21.238 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054688.D

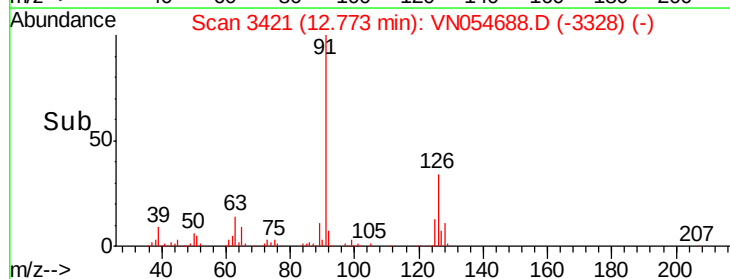
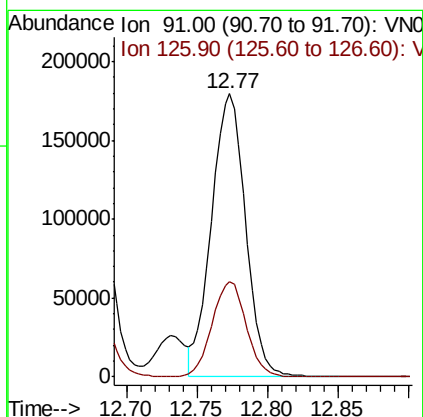
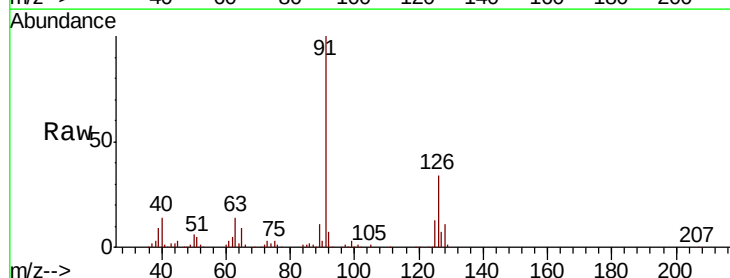
Acq: 26 Mar 2019 10:35

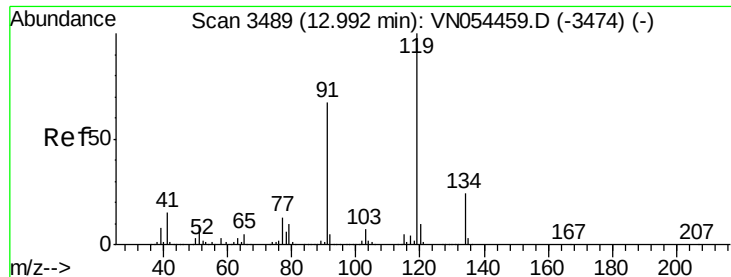
Tgt Ion: 91 Resp: 300767

Ion Ratio Lower Upper

91 100

126 33.9 18.1 54.1

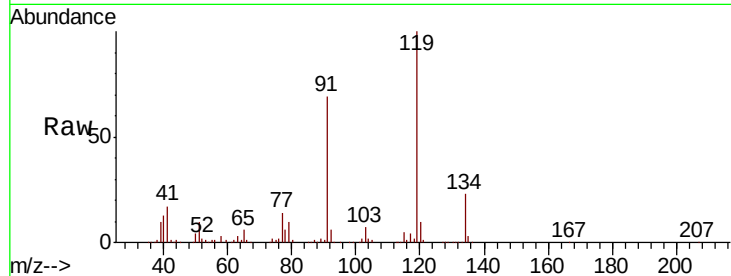




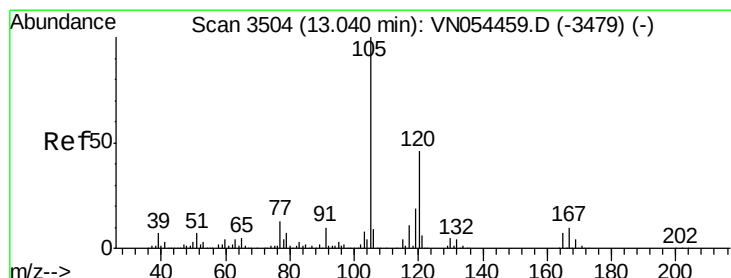
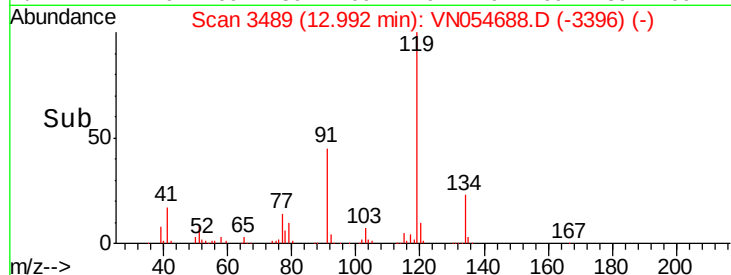
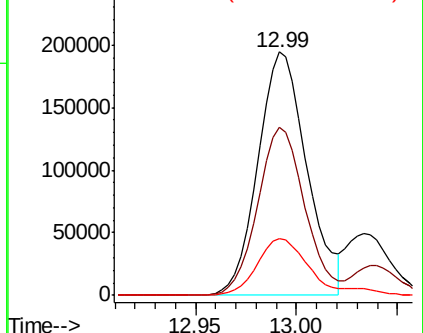
#83
 tert-Butylbenzene
 Concen: 21.348 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 329051
 Ion Ratio Lower Upper
 119 100
 91 66.3 30.9 92.8
 134 23.8 13.2 39.6

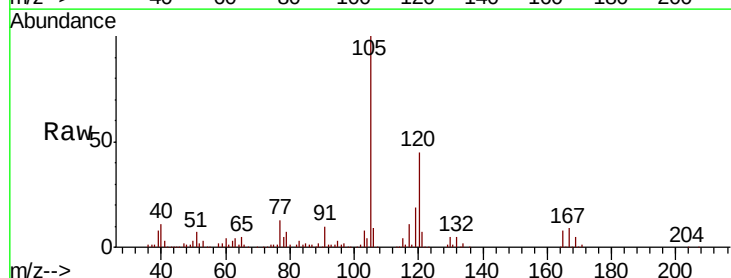


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

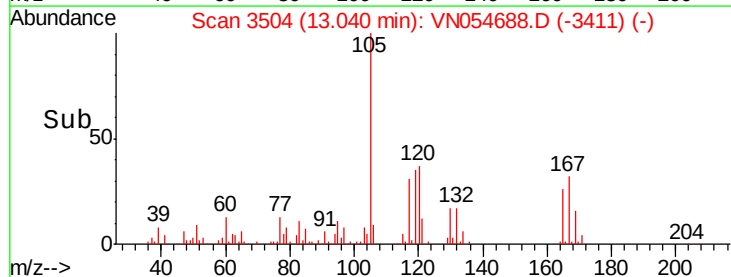
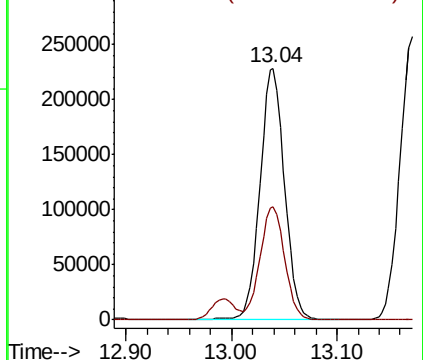


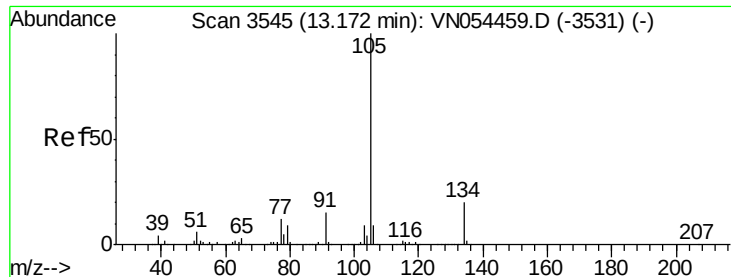
#84
 1,2,4-Trimethylbenzene
 Concen: 21.352 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Tgt Ion:105 Resp: 371004
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 21.391 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

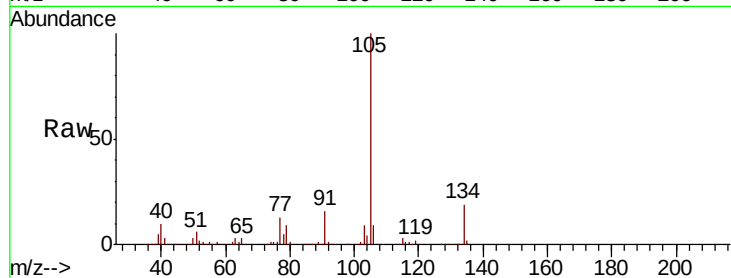
ClientSampled :

Tot Ion:105 Resp: 411030

Ion Ratio Lower Upper

105 100

134 19.8 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

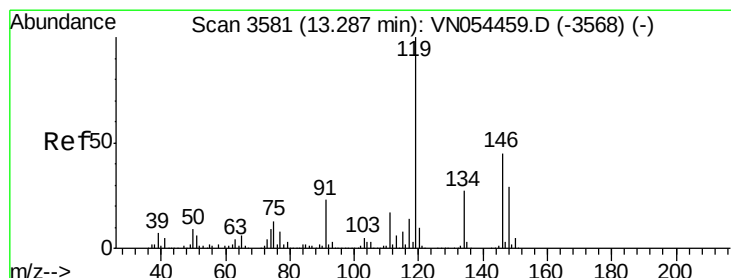
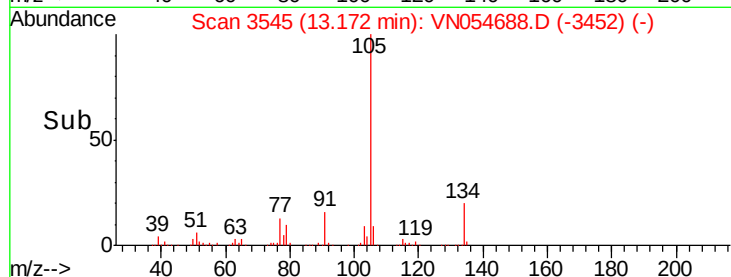
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.067 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

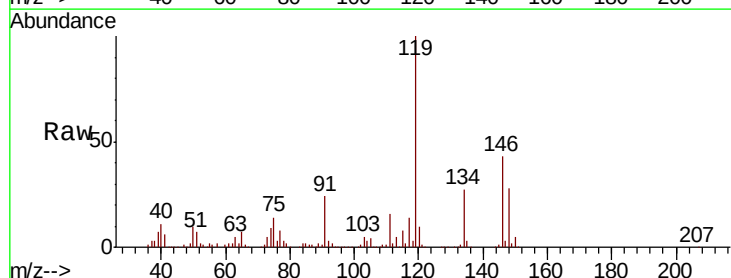
Tgt Ion:119 Resp: 362150

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 24.1 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

250000

200000

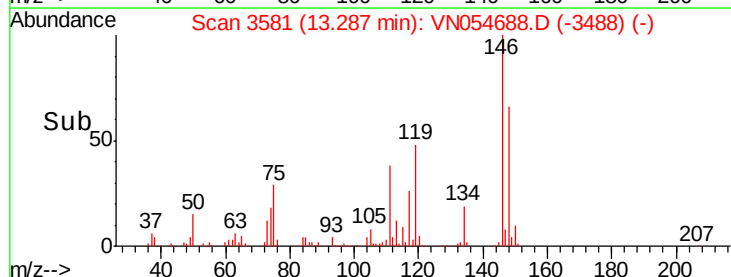
150000

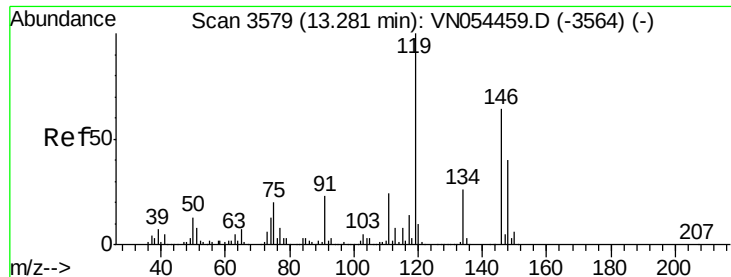
100000

50000

0

Time-->

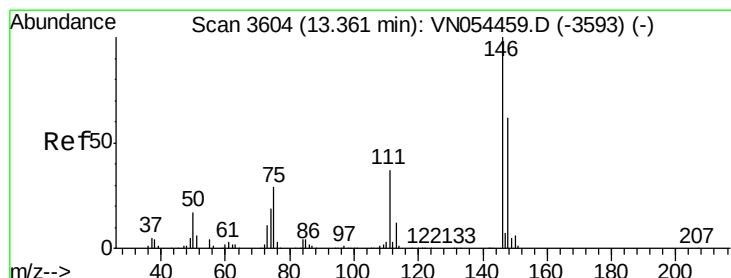
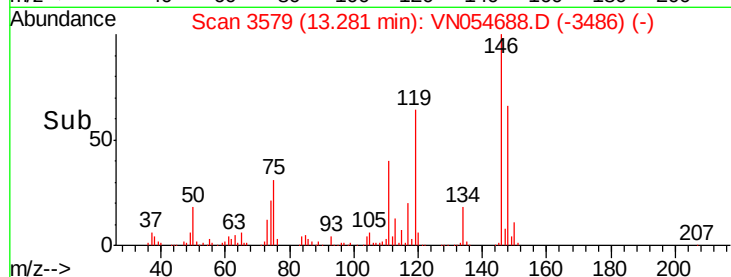
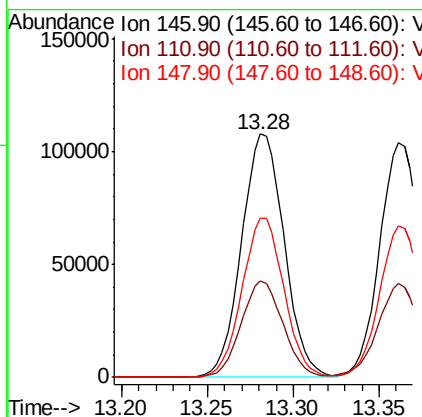
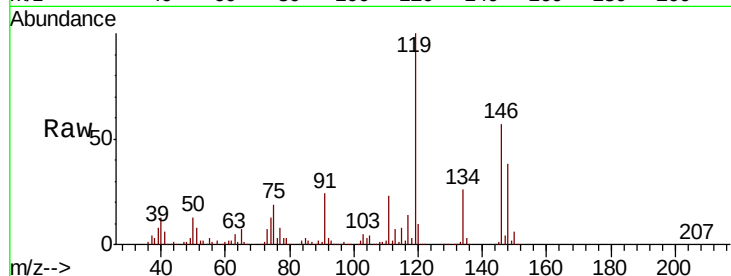




#87
 1,3-Dichlorobenzene
 Concen: 20.911 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

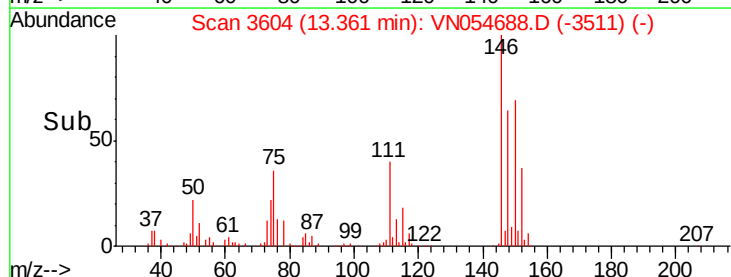
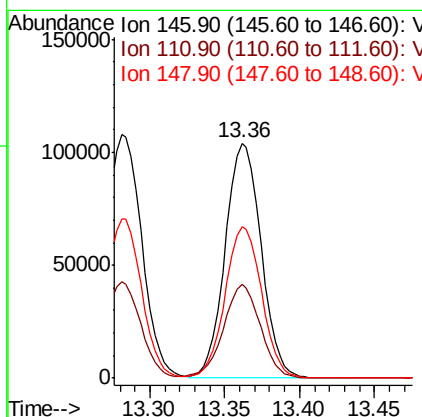
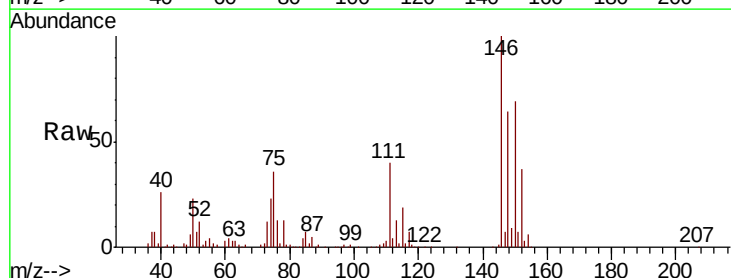
Instrument :
 MSVOA_N
 ClientSampled :

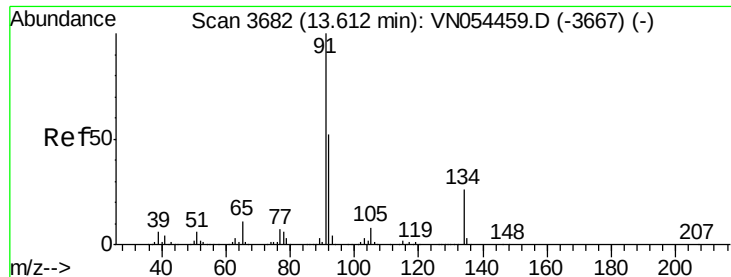
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.8	56.3
148	64.3	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.188 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	18.1	54.1
148	65.7	32.0	96.0

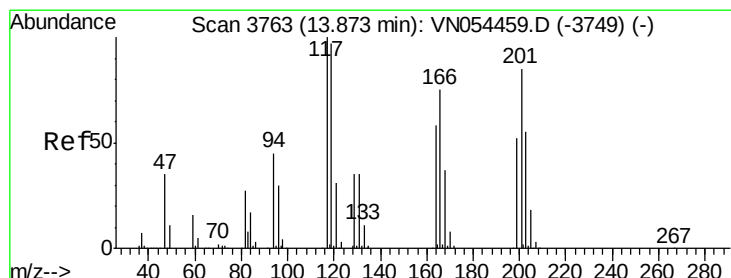
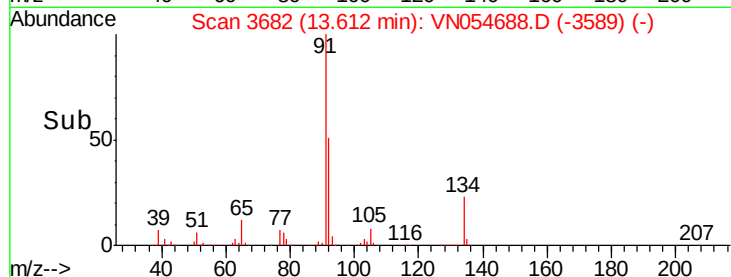
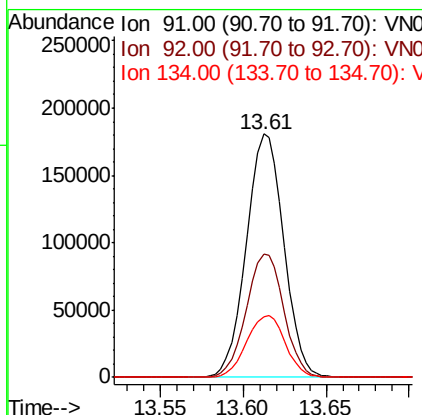
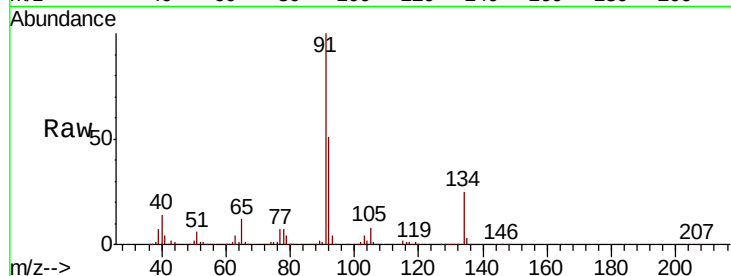




#89
n-Butylbenzene
Concen: 21.090 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

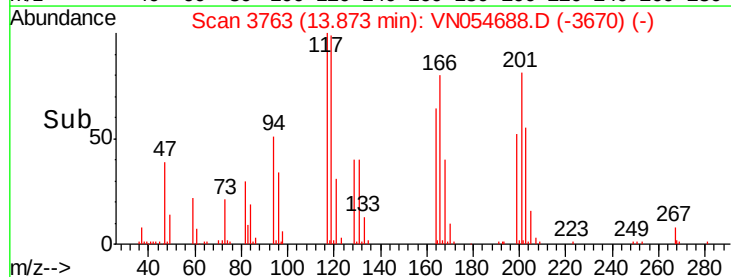
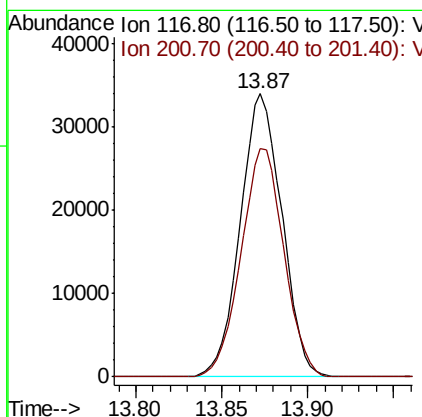
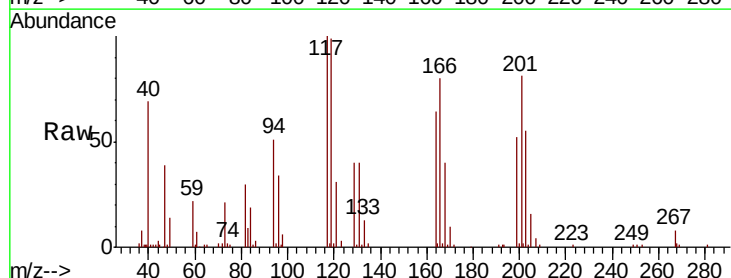
Instrument :
MSVOA_N
ClientSampled :

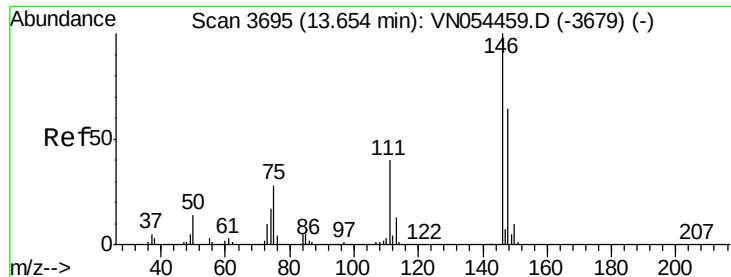
Tot Ion: 91 Resp: 283492
Ion Ratio Lower Upper
91 100
92 50.8 26.2 78.6
134 26.2 14.3 42.9



#90
Hexachloroethane
Concen: 21.400 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 117 Resp: 57104
Ion Ratio Lower Upper
117 100
201 83.1 48.1 144.4

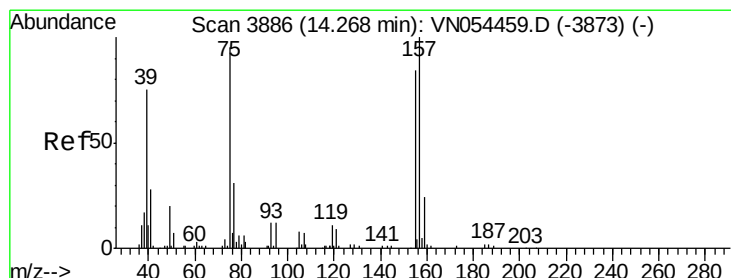
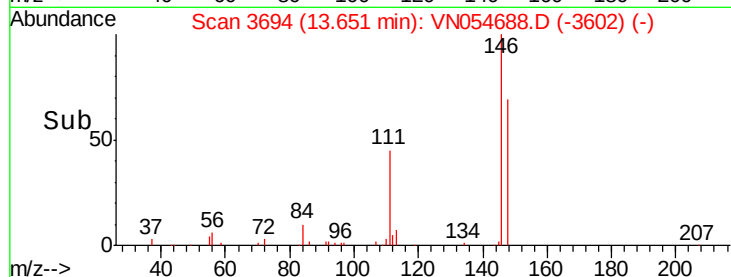
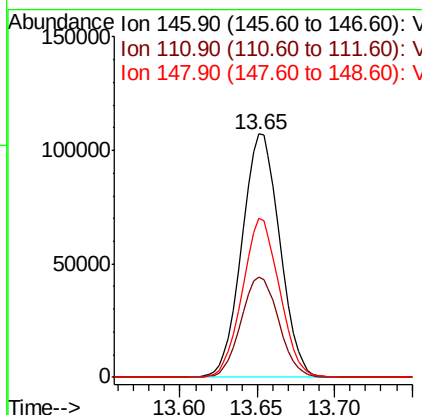
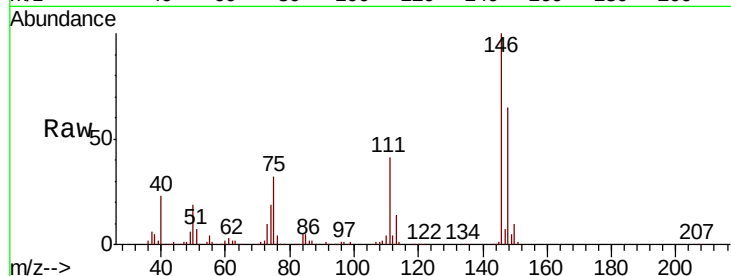




#91
 1,2-Dichlorobenzene
 Concen: 21.296 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

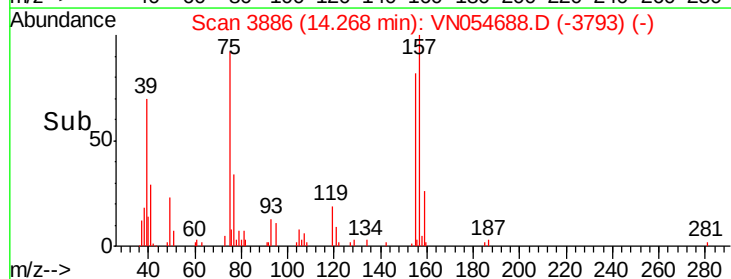
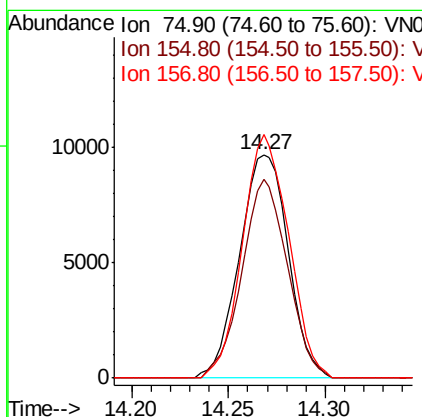
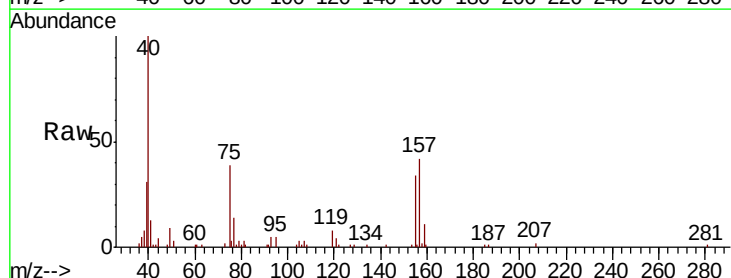
Instrument :
 MSVOA_N
 ClientSampleId :

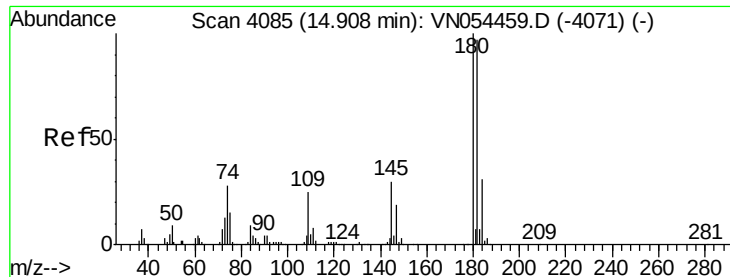
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.1	57.3
148	63.8	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.494 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	50.1	150.3
157	103.2	63.1	189.3

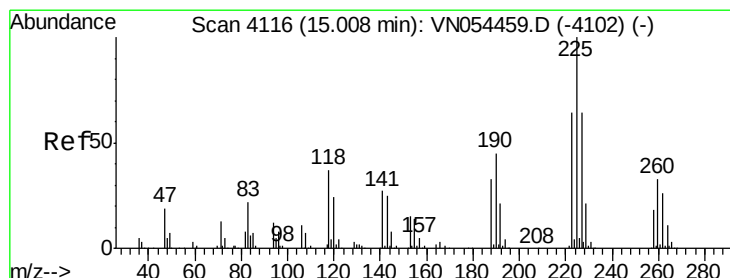
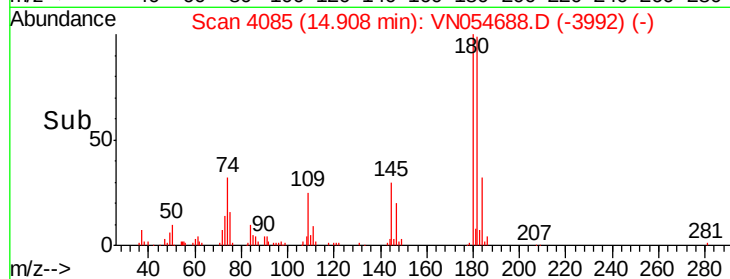
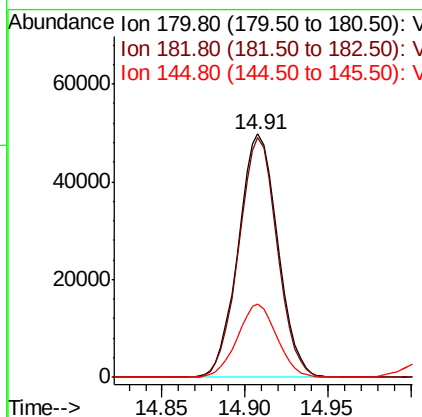
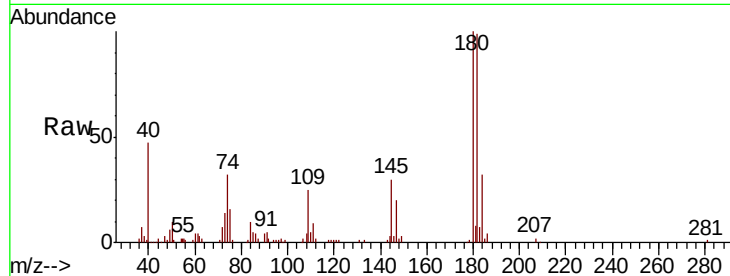




#93
 1,2,4-Trichlorobenzene
 Concen: 19.207 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

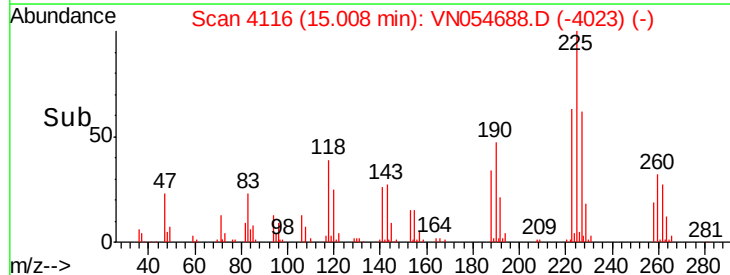
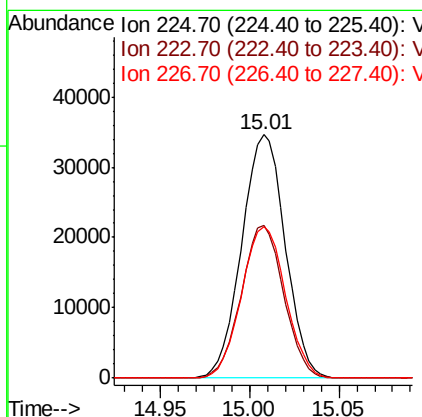
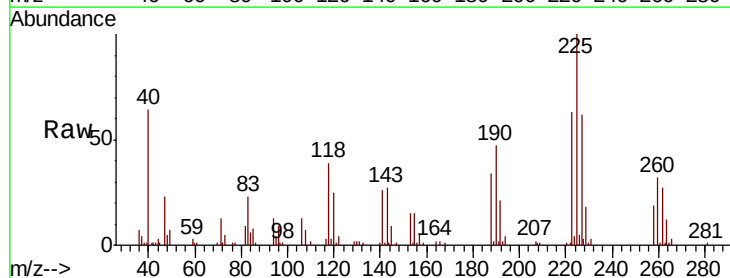
Instrument :
 MSVOA_N
 ClientSampleId :

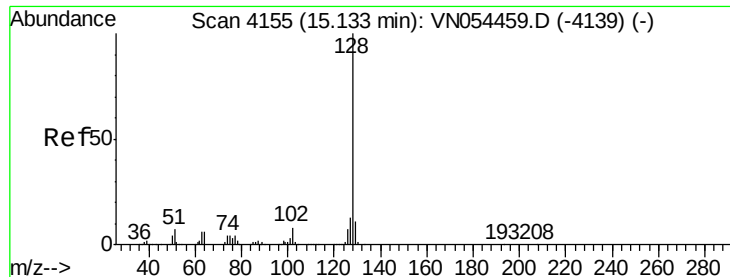
Tot Ion:180 Resp: 82354
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.0 144.2
 145 30.0 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 23.106 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Tgt Ion:225 Resp: 58875
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.1 93.5
 227 62.6 31.9 95.9





#95

Naphthalene

Concen: 19.350 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

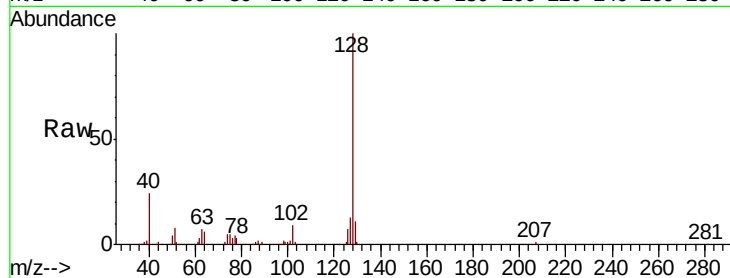
Tot Ion:128 Resp: 185057

Ion Ratio Lower Upper

128 100

127 13.4 10.1 15.1

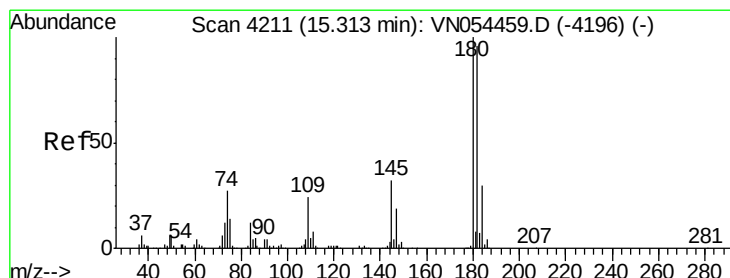
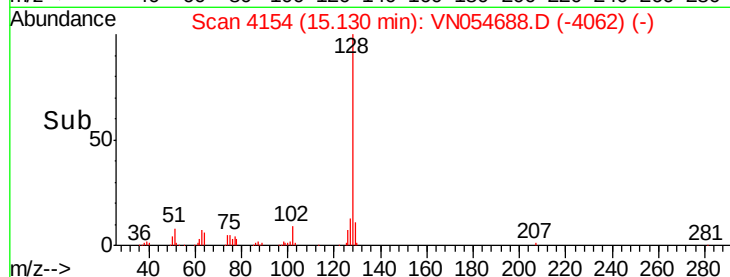
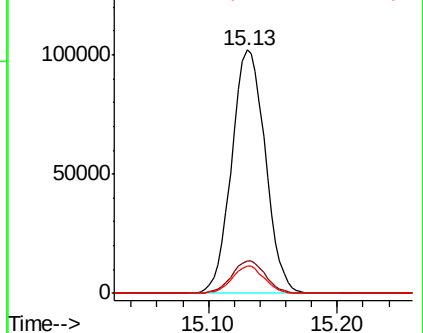
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.574 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

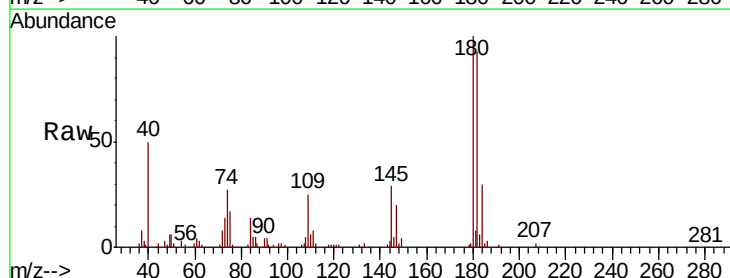
Tgt Ion:180 Resp: 83531

Ion Ratio Lower Upper

180 100

182 93.1 47.5 142.6

145 30.1 14.8 44.3



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

