

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054890.D
 Acq On : 2 Apr 2019 9:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 03 05:02:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	461658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	728721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	639655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	291740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	291401	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
35) Dibromofluoromethane	7.59	113	236541	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.09	98	894894	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	311820	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	213965	45.820	ug/l	97
3) Chloromethane	2.06	50	291625	45.166	ug/l	99
4) Vinyl Chloride	2.19	62	265119	45.724	ug/l	98
5) Bromomethane	2.57	94	147683	48.514	ug/l	99
6) Chloroethane	2.71	64	147288	45.491	ug/l	96
7) Trichlorofluoromethane	3.02	101	339901	47.682	ug/l	99
8) Diethyl Ether	3.41	74	110685	48.221	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	186860	49.794	ug/l	94
10) Methyl Iodide	3.94	142	244494	47.593	ug/l #	88
11) Tert butyl alcohol	4.82	59	80354	247.820	ug/l	98
12) 1,1-Dichloroethene	3.73	96	173774	47.886	ug/l #	72
13) Acrolein	3.61	56	71303	245.984	ug/l	98
14) Allyl chloride	4.32	41	424491	47.490	ug/l #	91
15) Acrylonitrile	4.99	53	441189	244.799	ug/l	100
16) Acetone	3.82	43	454746	306.426	ug/l #	83
17) Carbon Disulfide	4.04	76	537201	45.641	ug/l	99
18) Methyl Acetate	4.33	43	198802	51.458	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	610539	48.097	ug/l	95
20) Methylene Chloride	4.55	84	245148	46.831	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	223416	46.872	ug/l #	81
22) Diisopropyl ether	5.96	45	871004	49.268	ug/l #	93
23) Vinyl Acetate	5.90	43	3079107	250.278	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	452473	47.979	ug/l	98
25) 2-Butanone	6.84	43	608556	277.413	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	336509	50.911	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	261252	48.518	ug/l	87
28) Bromochloromethane	7.19	49	241454	51.203	ug/l #	70
29) Tetrahydrofuran	7.22	42	361988	237.584	ug/l #	84
30) Chloroform	7.37	83	441118	49.054	ug/l	100
31) Cyclohexane	7.65	56	428479	49.858	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	368901	49.502	ug/l	96
36) 1,1-Dichloropropene	7.79	75	338205	49.807	ug/l	95
37) Ethyl Acetate	6.94	43	242509	48.702	ug/l	96
38) Carbon Tetrachloride	7.77	117	321379	48.729	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	382269	51.207	ug/l	89
40) Benzene	8.04	78	986055	50.750	ug/l	99
41) Methacrylonitrile	7.18	41	143490	51.297	ug/l	89
42) 1,2-Dichloroethane	8.12	62	346102	49.888	ug/l	97
43) Isopropyl Acetate	8.17	43	420288	51.945	ug/l #	93
44) Trichloroethene	8.83	130	256387	50.833	ug/l	95
45) 1,2-Dichloropropane	9.12	63	275090	49.654	ug/l	99
46) Dibromomethane	9.21	93	154701	49.638	ug/l	89
47) Bromodichloromethane	9.40	83	341505	52.725	ug/l	95
48) Methyl methacrylate	9.20	41	216159	49.285	ug/l	87
49) 1,4-Dioxane	9.20	88	45039	1034.953	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	1198931	263.563	ug/l	92
52) Toluene	10.16	92	596203	51.569	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	325715	53.459	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	396828	54.523	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	215312	50.085	ug/l	96
56) Ethyl methacrylate	10.43	69	288685	51.192	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	377682	51.102	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	537006	222.262	ug/l #	88
59) 2-Hexanone	10.75	43	794461	272.819	ug/l	91
60) Dibromochloromethane	10.90	129	232439	53.376	ug/l	99
61) 1,2-Dibromoethane	11.00	107	209411	50.973	ug/l	100
64) Tetrachloroethene	10.63	164	244820	49.876	ug/l	98
65) Chlorobenzene	11.43	112	626011	49.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	236670	50.488	ug/l	99
67) Ethyl Benzene	11.51	91	1149225	50.851	ug/l	97
68) m/p-Xylenes	11.62	106	852832	101.973	ug/l	94
69) o-Xylene	11.95	106	409271	49.905	ug/l	94
70) Styrene	11.96	104	692492	52.810	ug/l	97
71) Bromoform	12.13	173	146493	53.344	ug/l #	100
73) Isopropylbenzene	12.25	105	1100227	46.140	ug/l	97
74) N-amyl acetate	12.07	43	353010	47.518	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	269177	51.250	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	320854	63.307	ug/l #	100
77) Bromobenzene	12.53	156	271812	47.230	ug/l	86
78) n-propylbenzene	12.59	91	1264624	48.252	ug/l	97
79) 2-Chlorotoluene	12.67	91	758329	46.768	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	927359	47.396	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	63306	48.586	ug/l	87
82) 4-Chlorotoluene	12.77	91	756444	48.031	ug/l	95
83) tert-Butylbenzene	12.99	119	779021	51.446	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	909055	48.767	ug/l	98
85) sec-Butylbenzene	13.17	105	1027649	48.349	ug/l	96
86) p-Isopropyltoluene	13.29	119	913083	48.706	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	466871	48.454	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	453661	48.005	ug/l	99
89) n-Butylbenzene	13.61	91	768392	50.238	ug/l	97
90) Hexachloroethane	13.87	117	153385	48.191	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	459209	47.223	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38821	47.622	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	228912	48.828	ug/l	98
94) Hexachlorobutadiene	15.01	225	145213	52.403	ug/l	100
95) Naphthalene	15.13	128	487900	46.402	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	227306	48.009	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

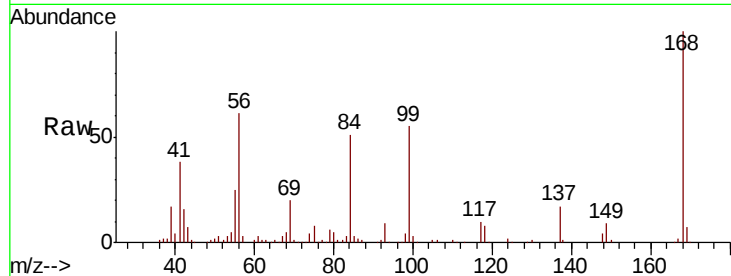
ClientSampled :

Tot Ion:168 Resp: 461658

Ion Ratio Lower Upper

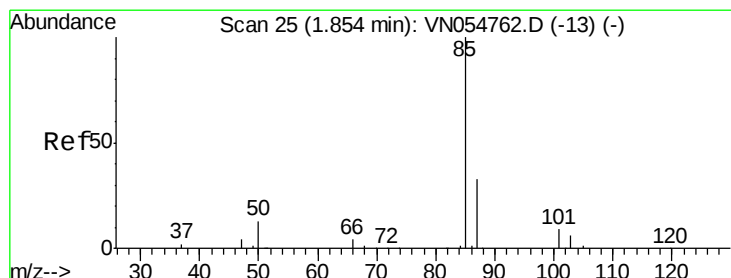
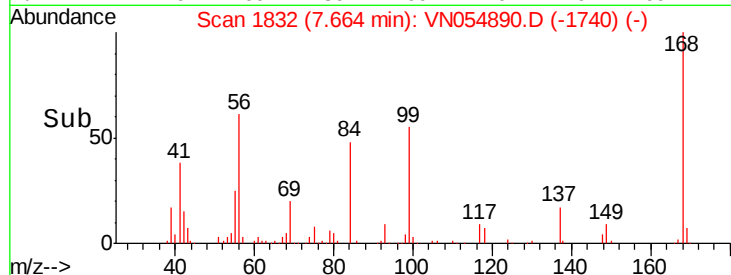
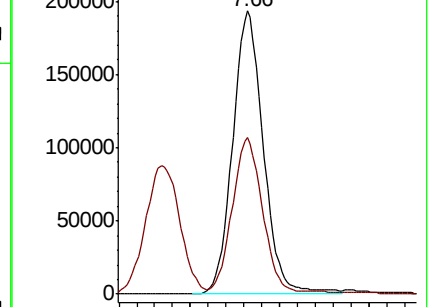
168 100

99 54.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 45.820 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054890.D

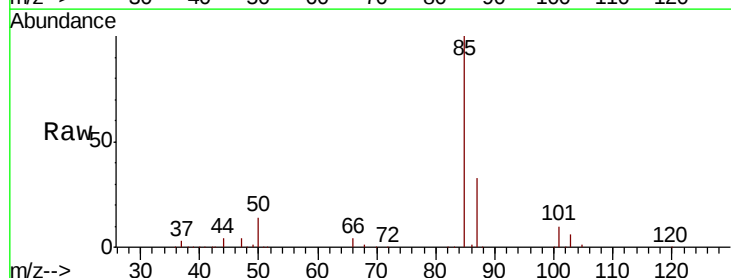
Acq: 2 Apr 2019 9:31

Tgt Ion: 85 Resp: 213965

Ion Ratio Lower Upper

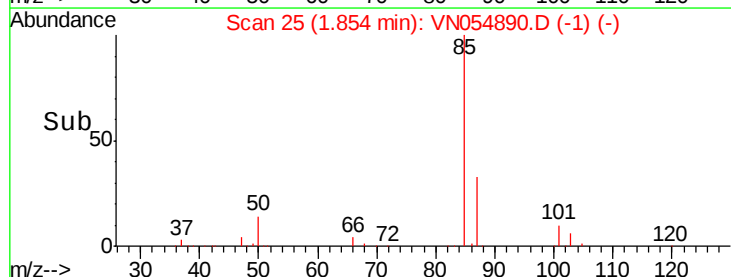
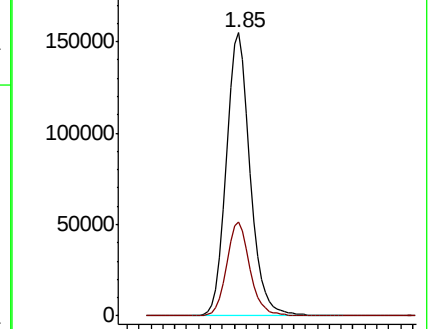
85 100

87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 45.166 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

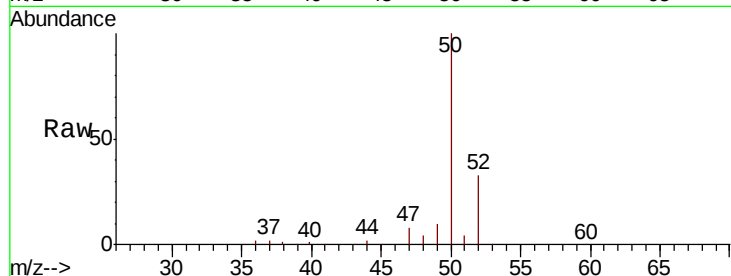
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 291625

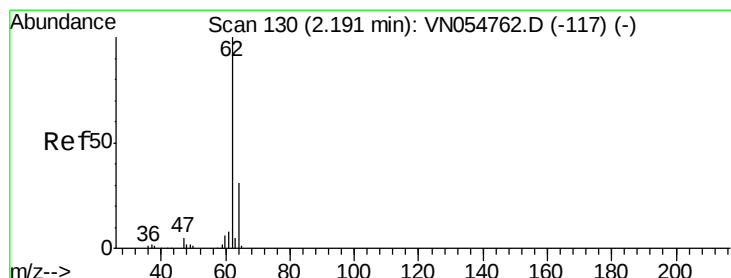
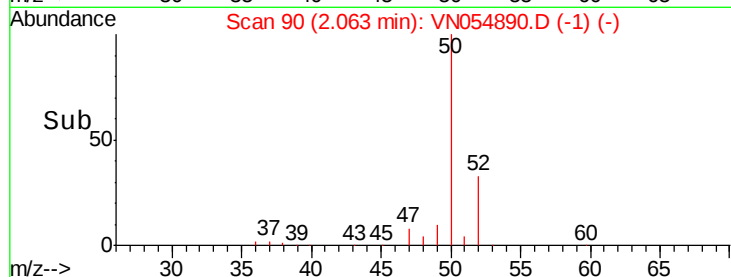
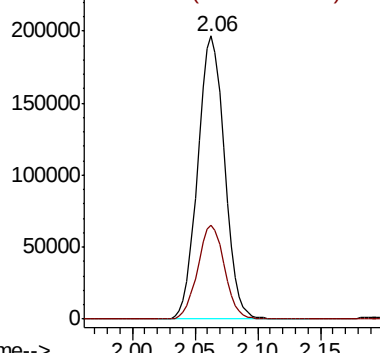
Ion Ratio Lower Upper

50 100

52 33.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.724 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054890.D

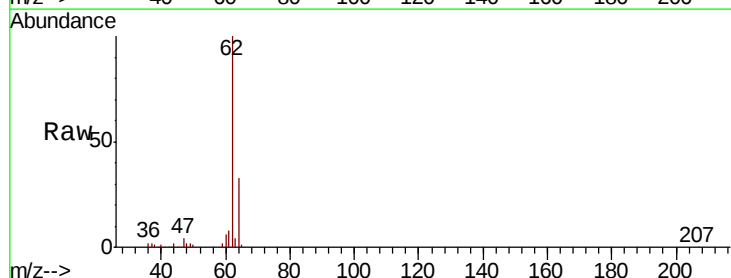
Acq: 2 Apr 2019 9:31

Tgt Ion: 62 Resp: 265119

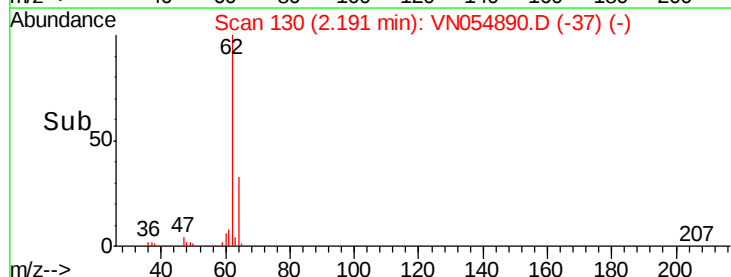
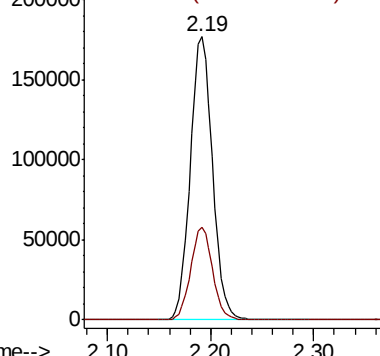
Ion Ratio Lower Upper

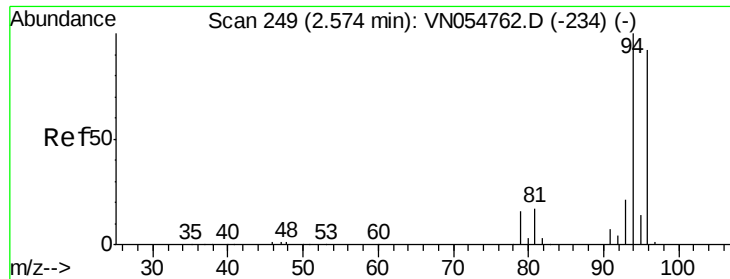
62 100

64 32.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO

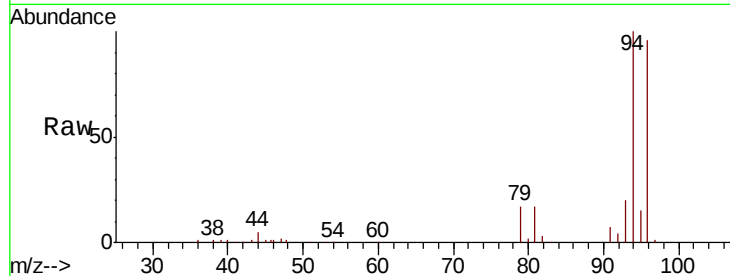




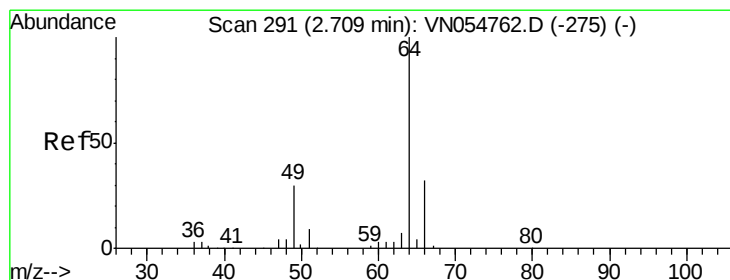
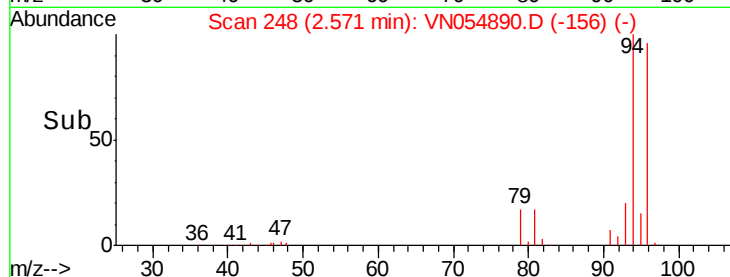
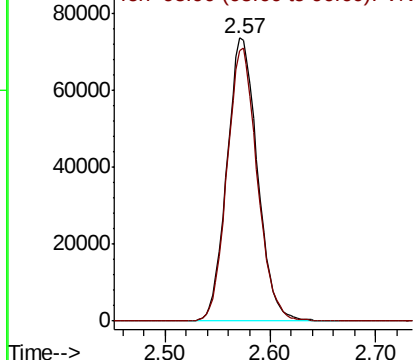
#5
Bromomethane
Concen: 48.514 ug/l
RT: 2.57 min Scan# 248
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 147683
Ion Ratio Lower Upper
94 100
96 95.6 77.0 115.4

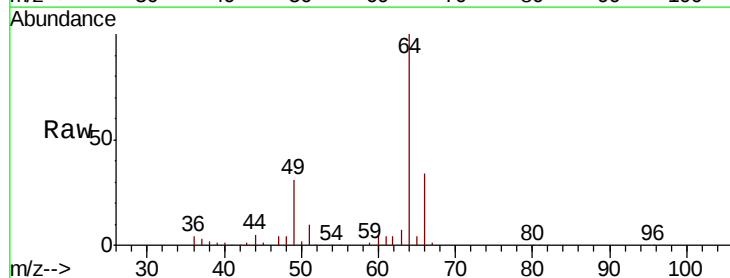


Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO

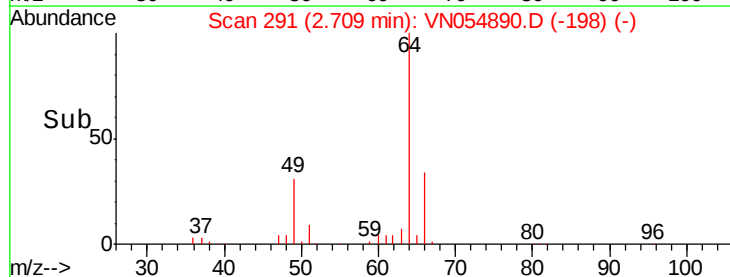
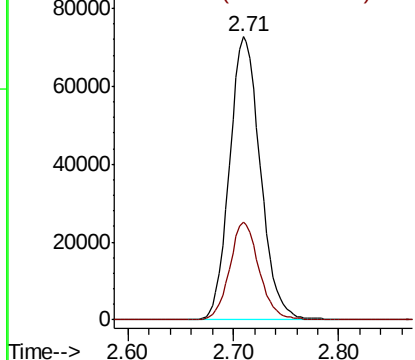


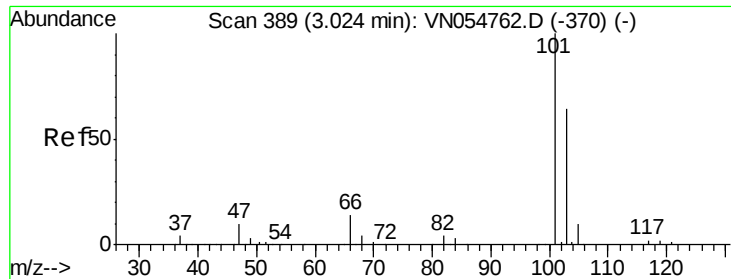
#6
Chloroethane
Concen: 45.491 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 64 Resp: 147288
Ion Ratio Lower Upper
64 100
66 34.4 25.7 38.5



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



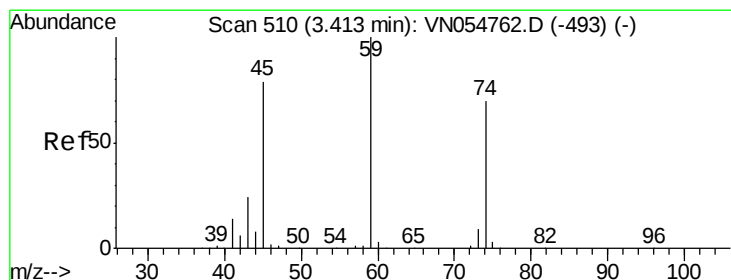
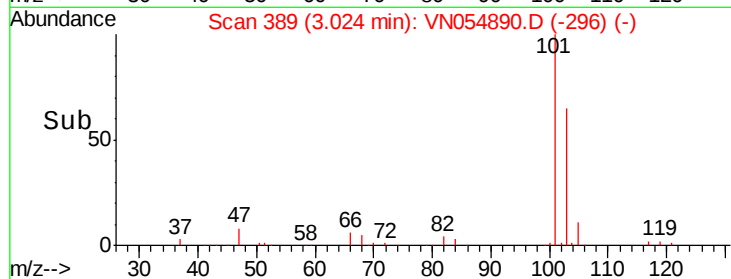
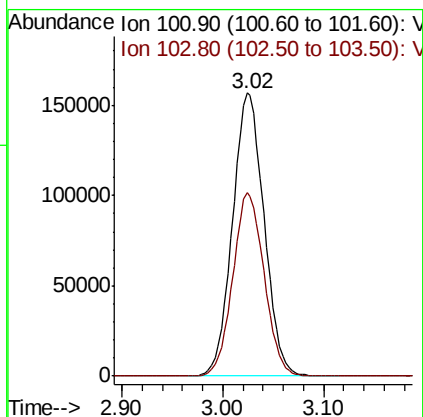
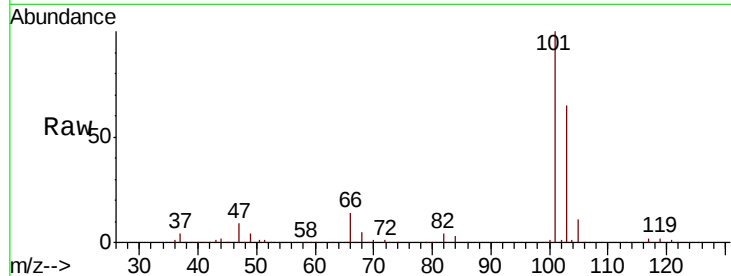


#7

Trichlorofluoromethane
Concen: 47.682 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampled :

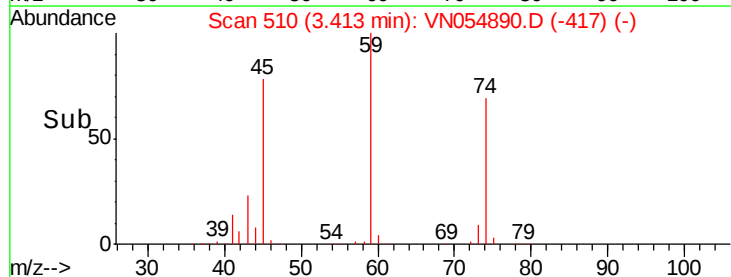
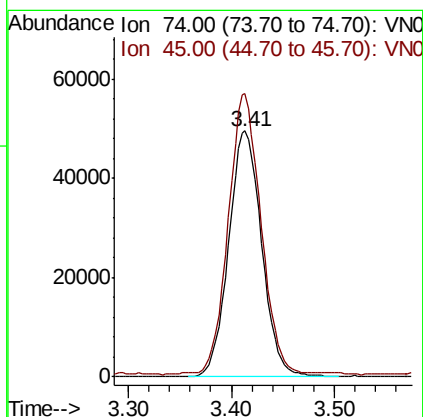
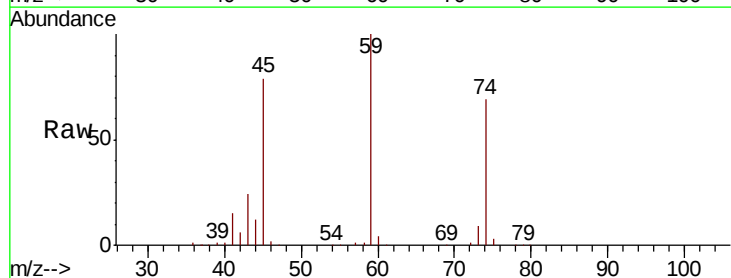
Tot Ion:101 Resp: 339901
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.2

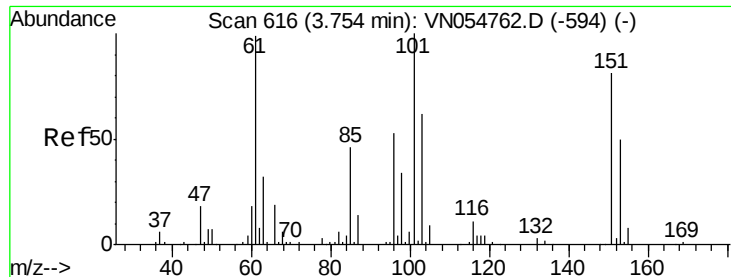


#8

Diethyl Ether
Concen: 48.221 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 74 Resp: 110685
Ion Ratio Lower Upper
74 100
45 113.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.794 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampled :

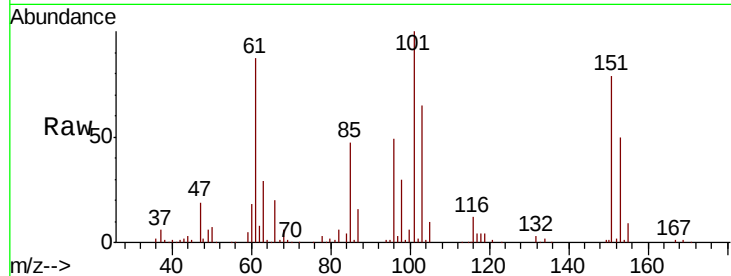
Tot Ion:101 Resp: 186860

Ion Ratio Lower Upper

101 100

85 44.7 32.4 48.6

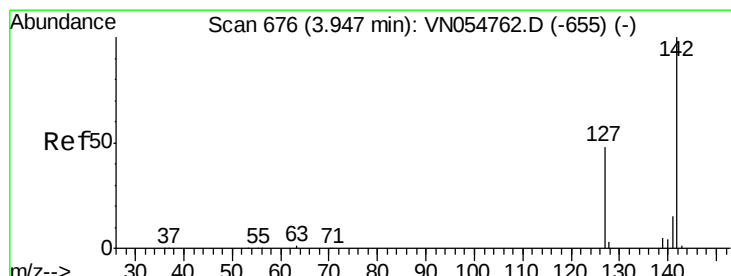
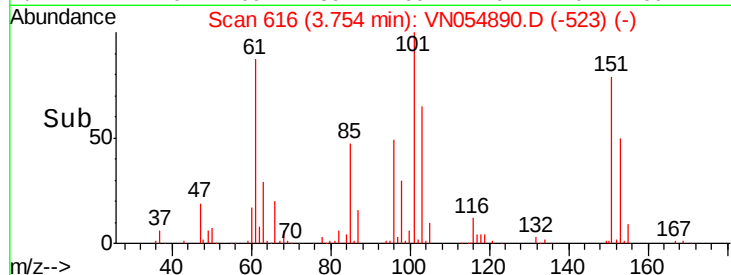
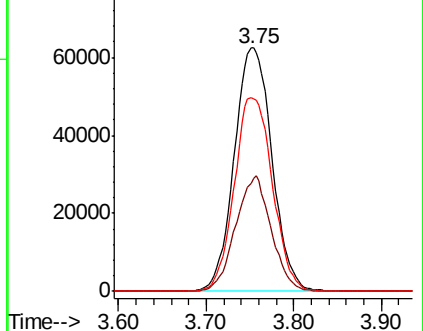
151 80.4 68.2 102.2



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: 47.593 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

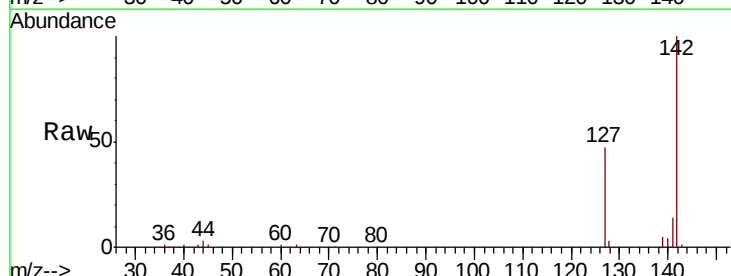
Tgt Ion:142 Resp: 244494

Ion Ratio Lower Upper

142 100

127 47.6 30.3 45.5#

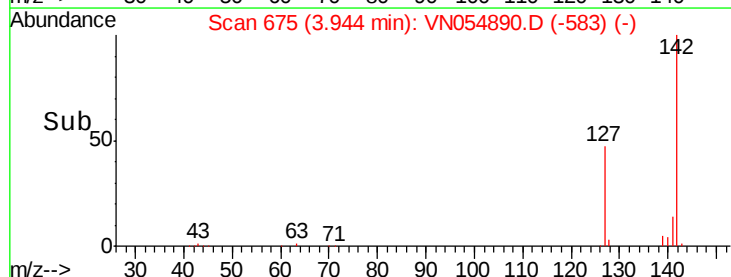
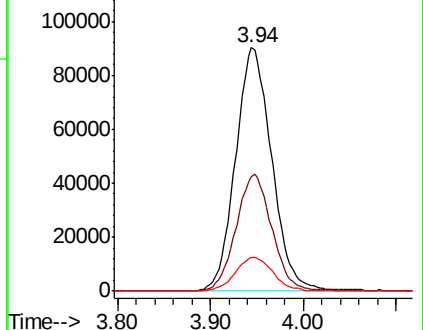
141 14.2 11.2 16.8

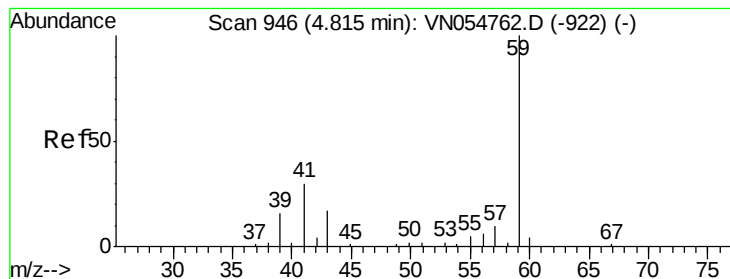


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



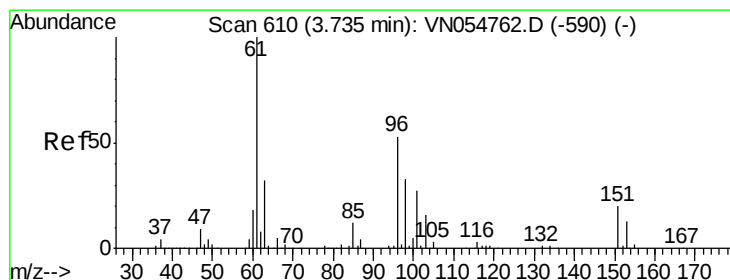
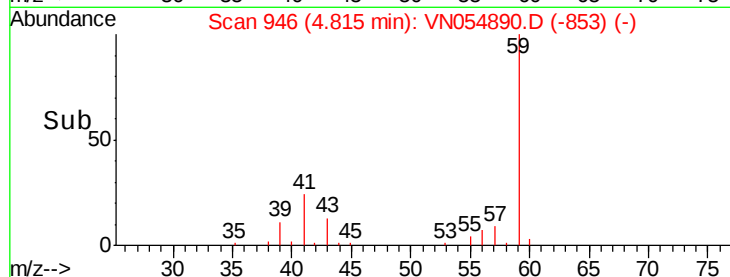
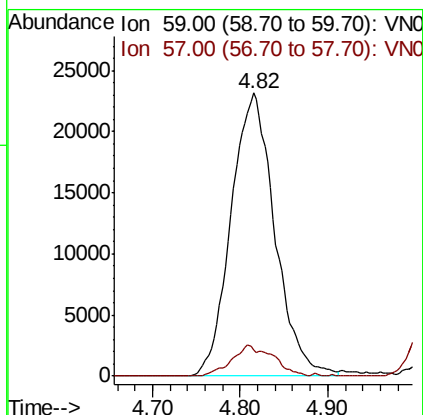
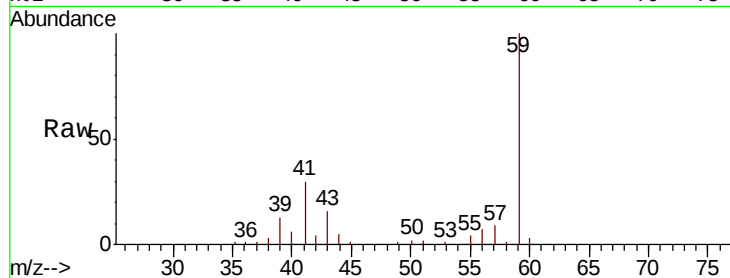


#11

Tert butyl alcohol
 Concen: 247.820 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Instrument :
 MSVOA_N
 ClientSampled :

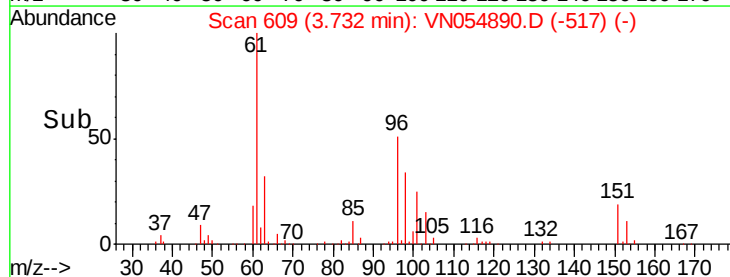
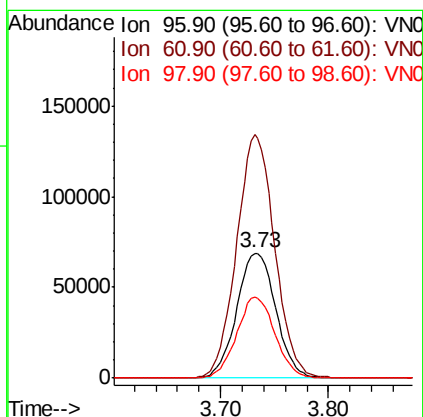
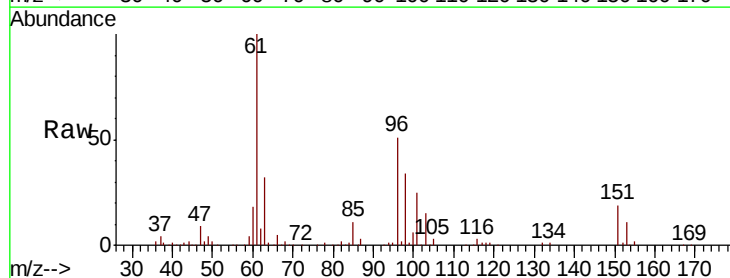
Tot Ion: 59 Resp: 80354
 Ion Ratio Lower Upper
 59 100
 57 10.4 9.0 13.6

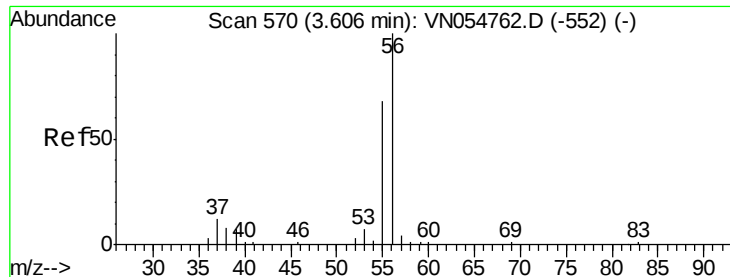


#12

1,1-Dichloroethene
 Concen: 47.886 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion: 96 Resp: 173774
 Ion Ratio Lower Upper
 96 100
 61 194.5 116.5 174.7#
 98 65.3 51.0 76.4





#13

Acrolein

Concen: 245.984 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

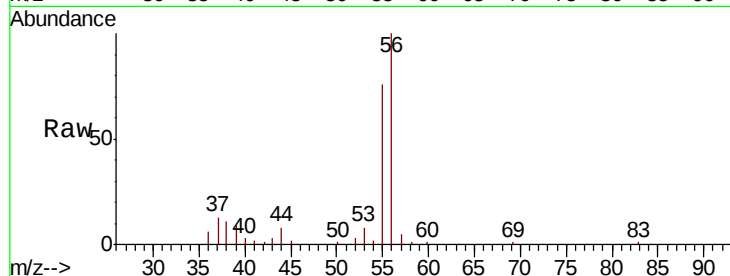
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 71303

Ion Ratio Lower Upper

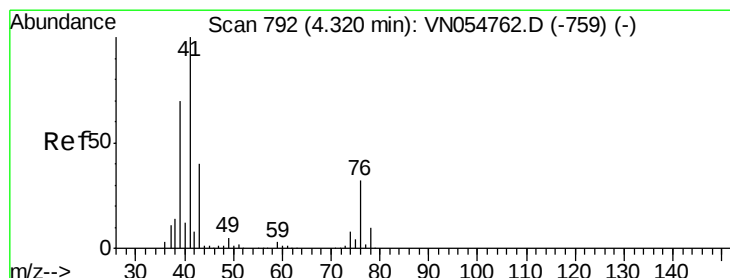
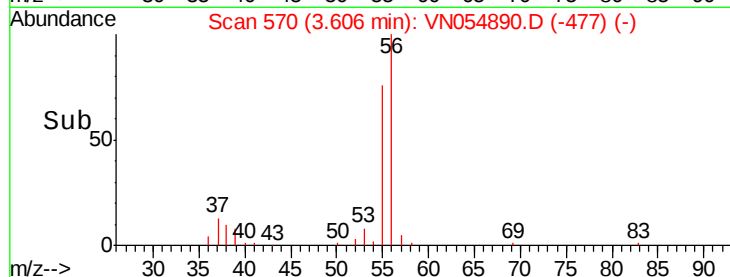
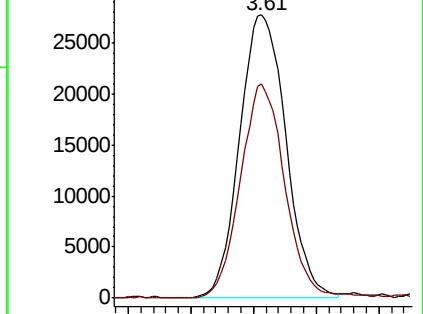
56 100

55 72.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.490 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

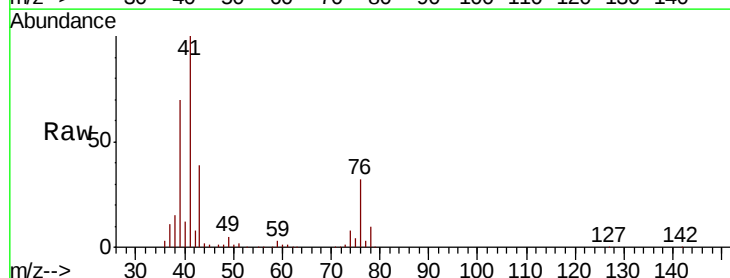
Tgt Ion: 41 Resp: 424491

Ion Ratio Lower Upper

41 100

39 68.2 58.2 87.4

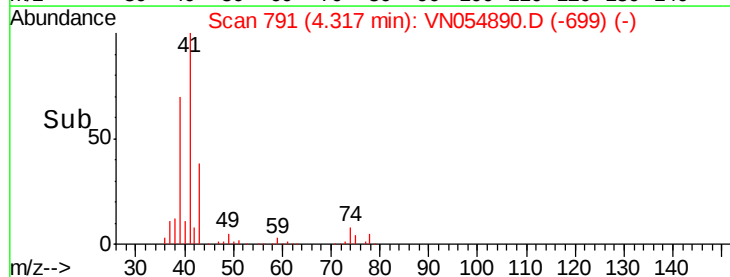
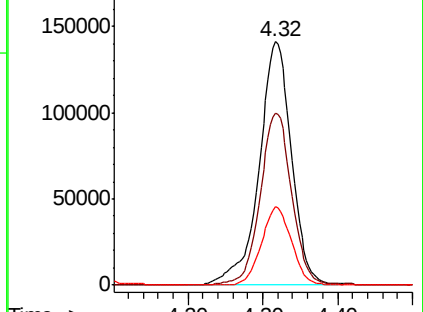
76 29.8 31.7 47.5#

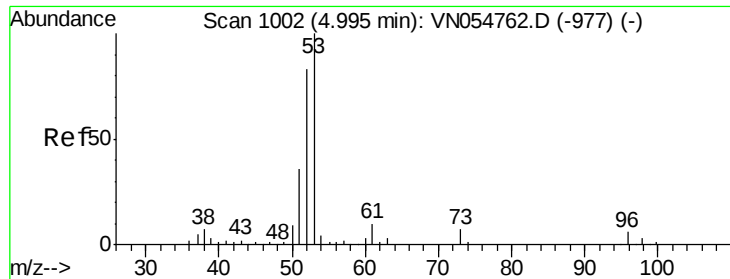


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

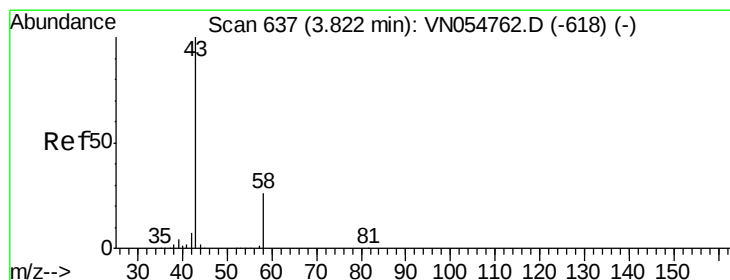
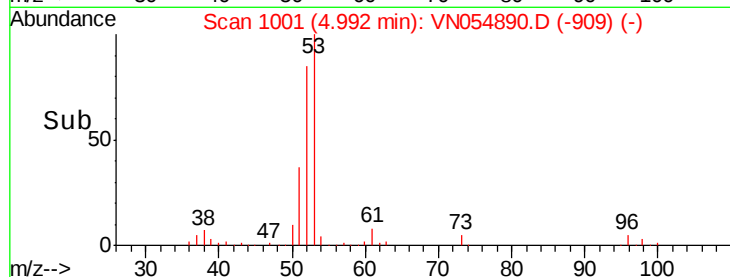
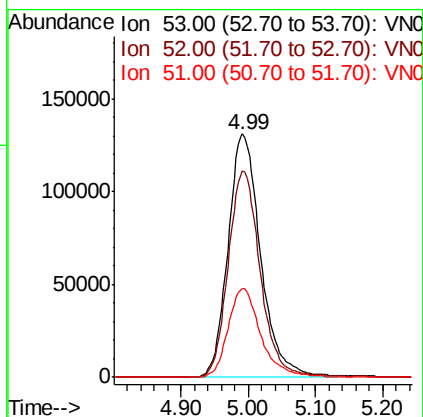
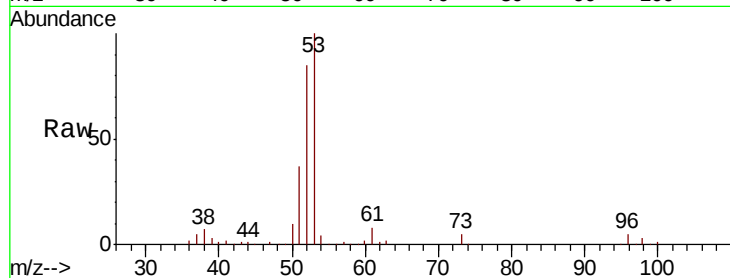




#15
 Acrylonitrile
 Concen: 244.799 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

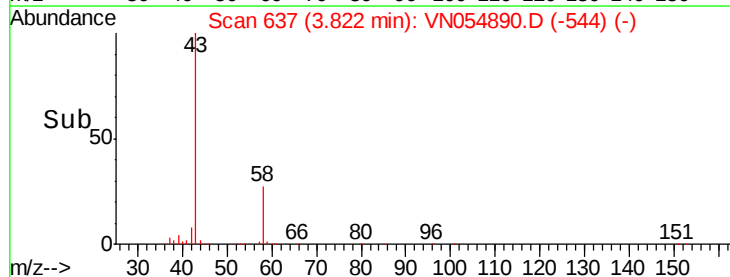
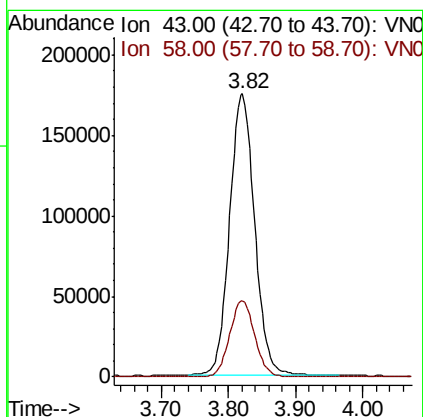
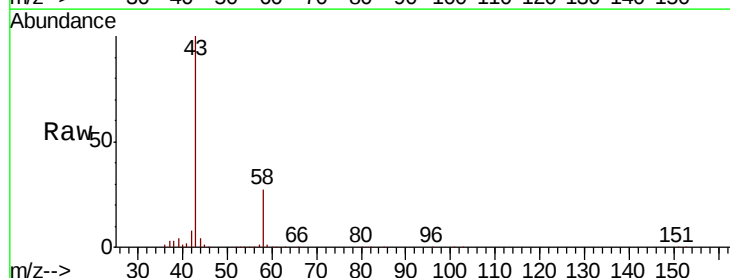
Instrument :
 MSVOA_N
 ClientSampleId :

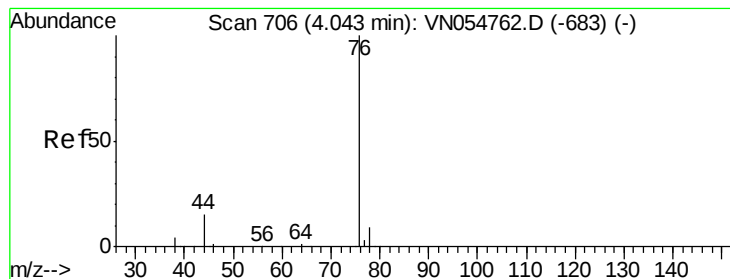
Tot Ion: 53 Resp: 441189
 Ion Ratio Lower Upper
 53 100
 52 82.9 66.4 99.6
 51 36.7 29.6 44.4



#16
 Acetone
 Concen: 306.426 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion: 43 Resp: 454746
 Ion Ratio Lower Upper
 43 100
 58 27.1 29.9 44.9#





#17

Carbon Disulfide

Concen: 45.641 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

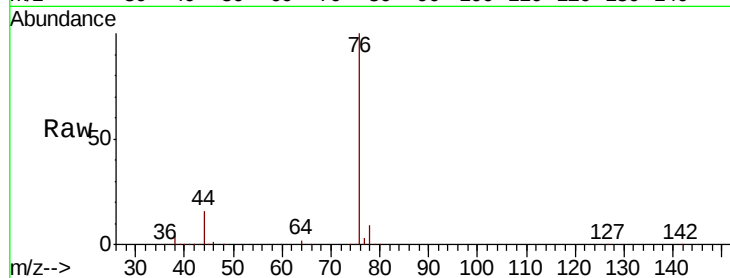
ClientSampleId :

Tot Ion: 76 Resp: 537201

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN054890.D (-613) (-)

Ion 77.90 (77.60 to 78.60): VN054890.D (-613) (-)

4.04

200000

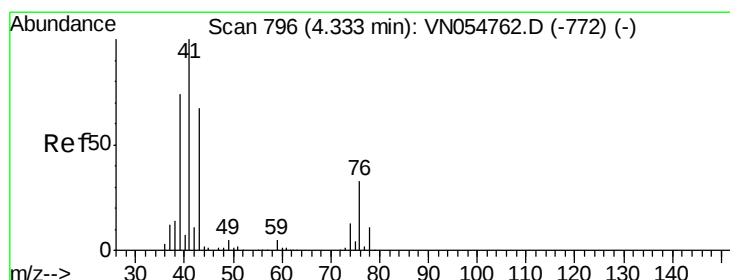
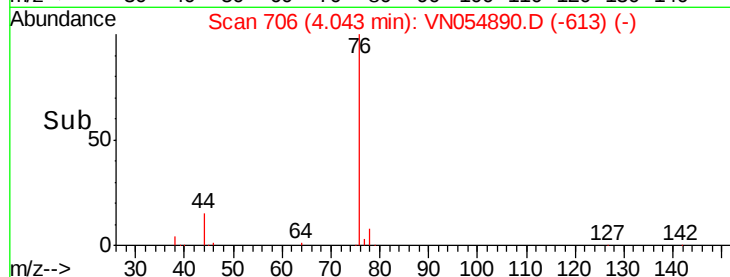
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 51.458 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054890.D

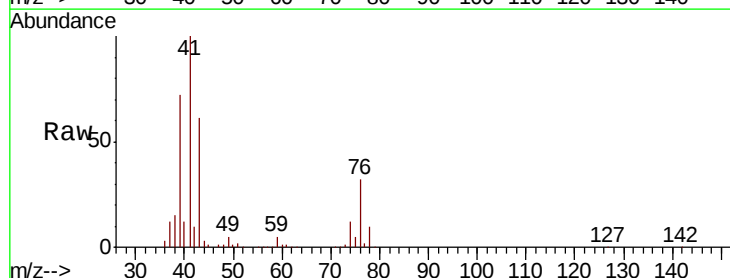
Acq: 2 Apr 2019 9:31

Tgt Ion: 43 Resp: 198802

Ion Ratio Lower Upper

43 100

74 20.2 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN054890.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN054890.D (-702) (-)

4.33

80000

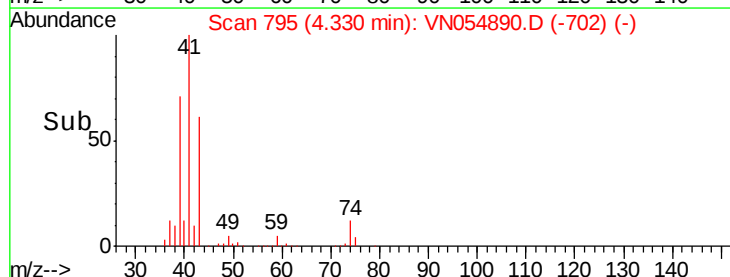
60000

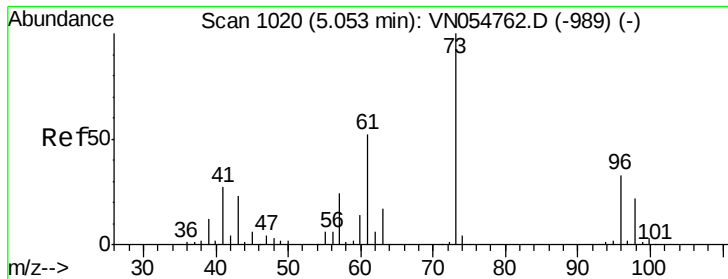
40000

20000

0

Time-->

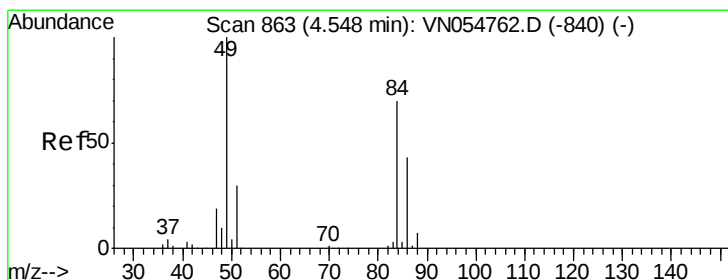
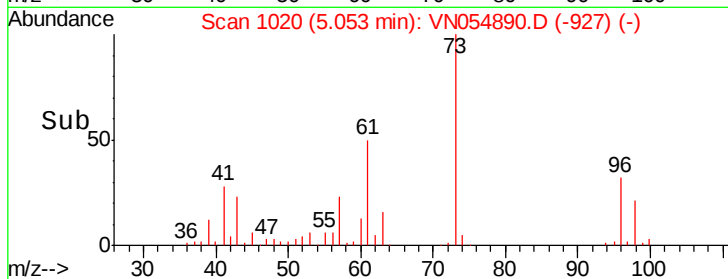
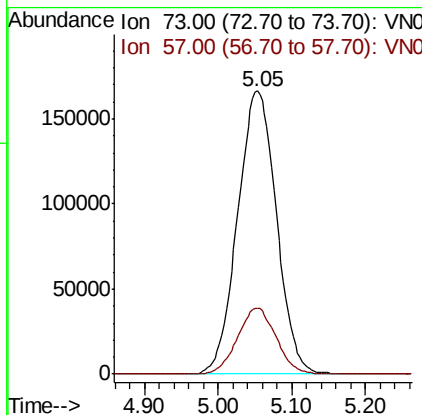
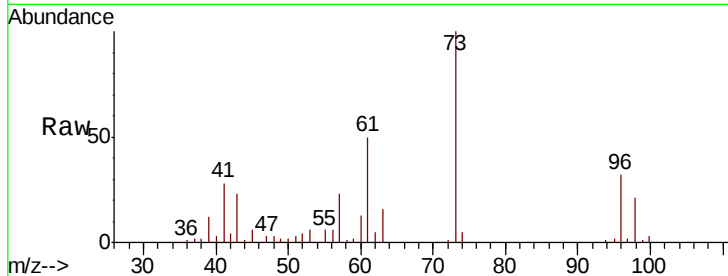




#19
Methyl tert-butyl Ether
Concen: 48.097 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

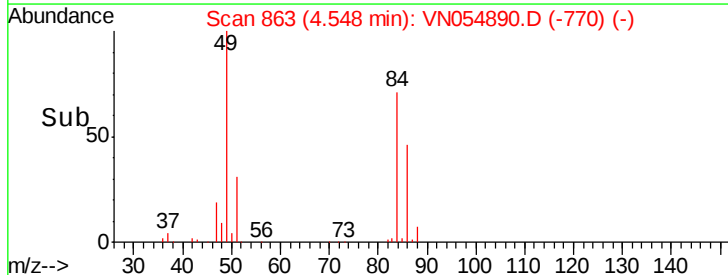
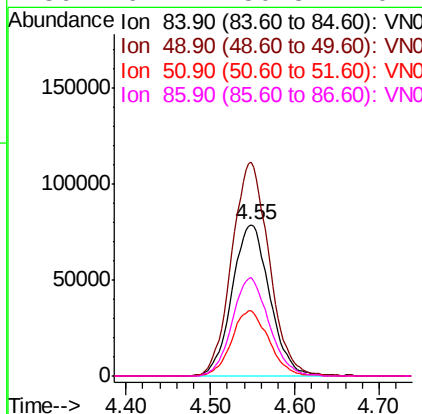
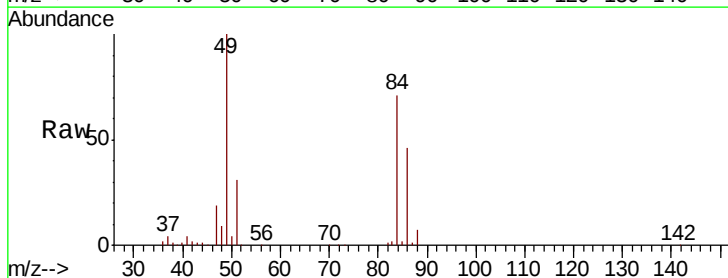
Instrument :
MSVOA_N
ClientSampled :

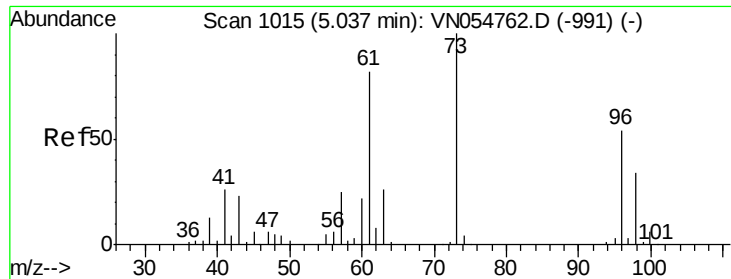
Tot Ion: 73 Resp: 610539
Ion Ratio Lower Upper
73 100
57 23.4 16.8 25.2



#20
Methylene Chloride
Concen: 46.831 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 84 Resp: 245148
Ion Ratio Lower Upper
84 100
49 140.8 89.7 134.5#
51 43.0 28.2 42.4#
86 64.7 50.8 76.2

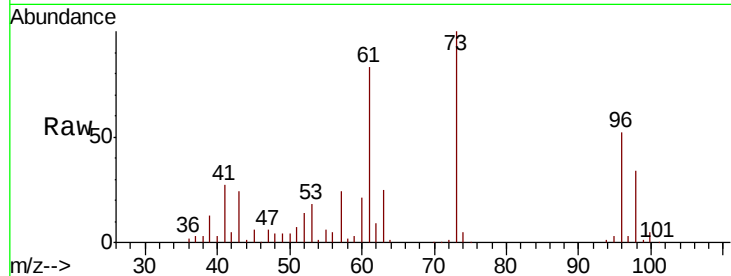




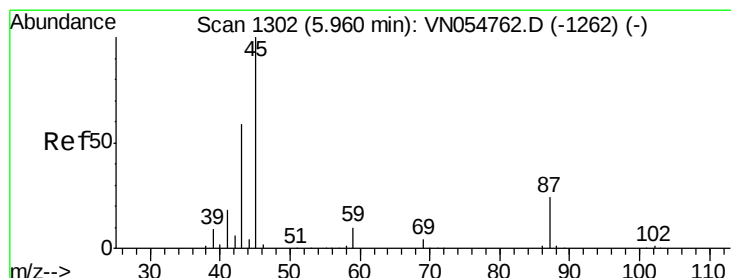
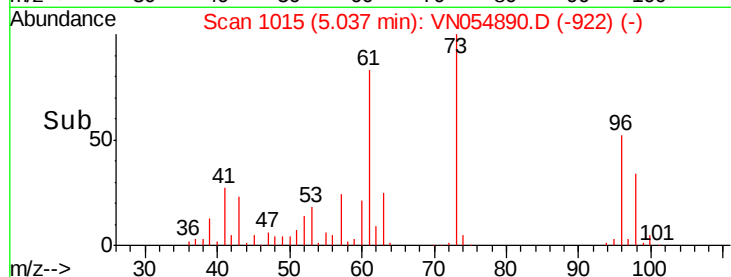
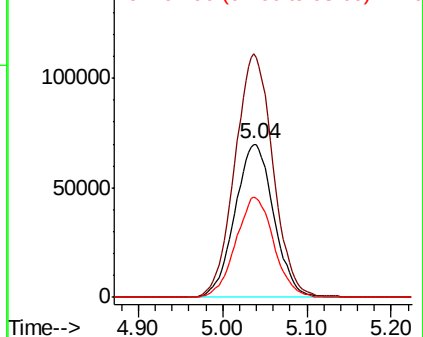
#21
trans-1,2-Dichloroethene
Concen: 46.872 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 223416
Ion Ratio Lower Upper
96 100
61 158.9 102.8 154.2#
98 65.6 50.0 75.0

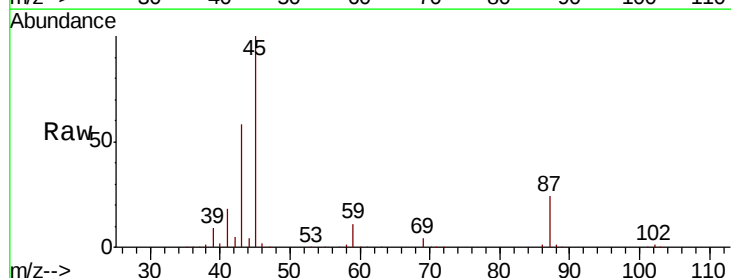


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

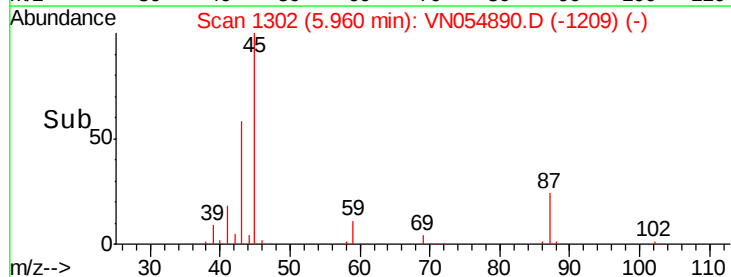
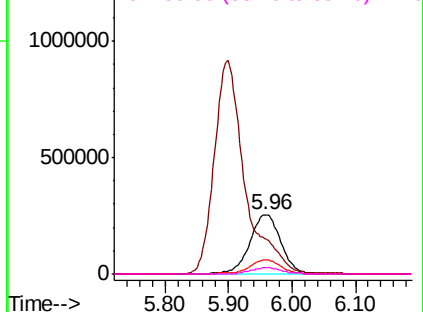


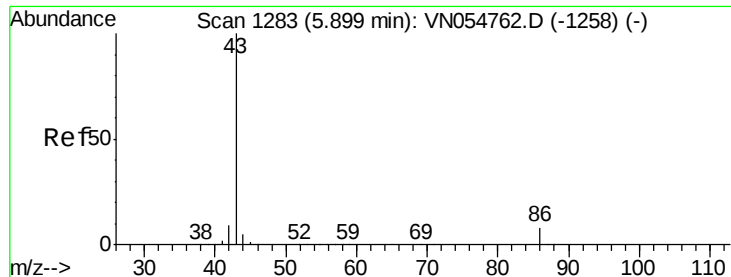
#22
Diisopropyl ether
Concen: 49.268 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 45 Resp: 871004
Ion Ratio Lower Upper
45 100
43 56.4 48.2 72.2
87 23.5 24.9 37.3#
59 10.7 9.5 14.3



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

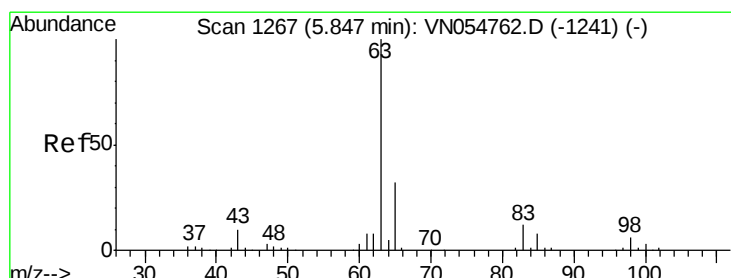
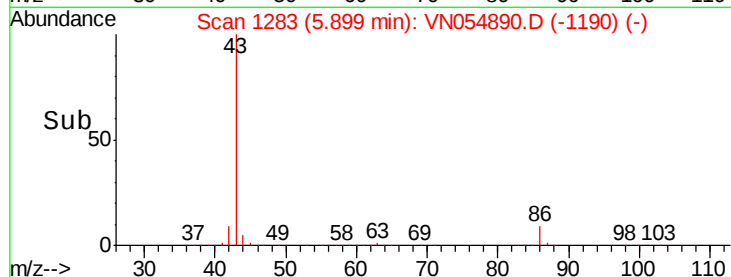
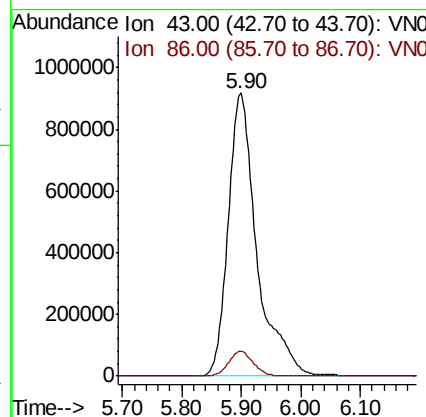
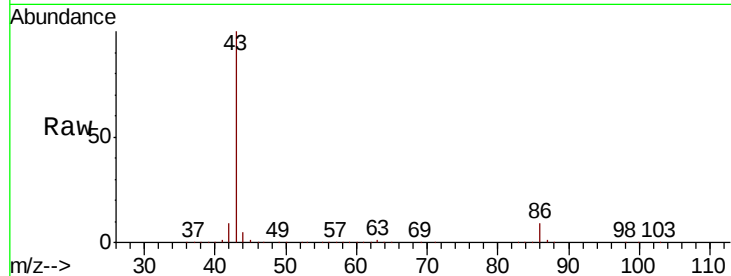




#23
 Vinyl Acetate
 Concen: 250.278 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

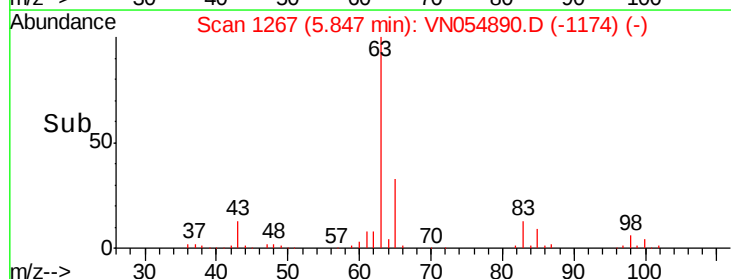
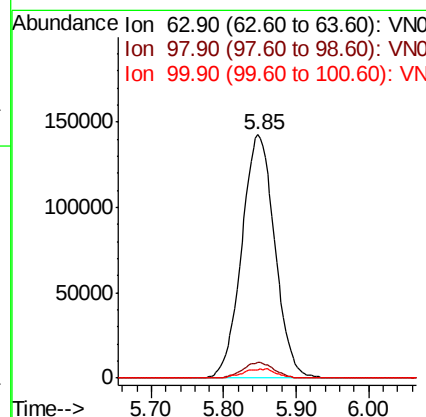
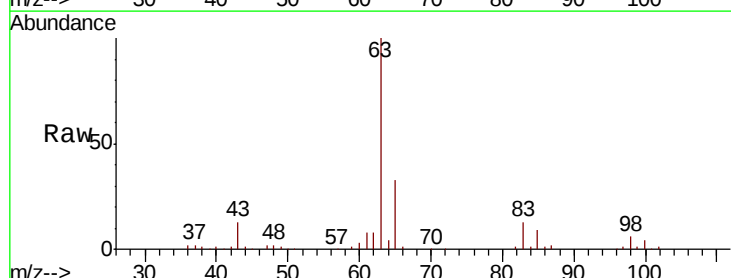
Instrument :
 MSVOA_N
 ClientSampled :

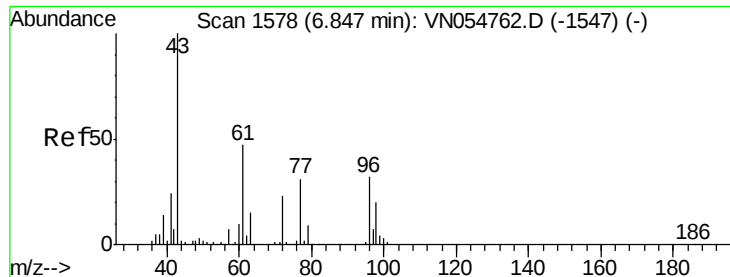
Tot Ion: 43 Resp: 3079107
 Ion Ratio Lower Upper
 43 100
 86 8.9 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 47.979 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion: 63 Resp: 452473
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.5
 100 3.6 2.0 6.0





#25

2-Butanone

Concen: 277.413 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

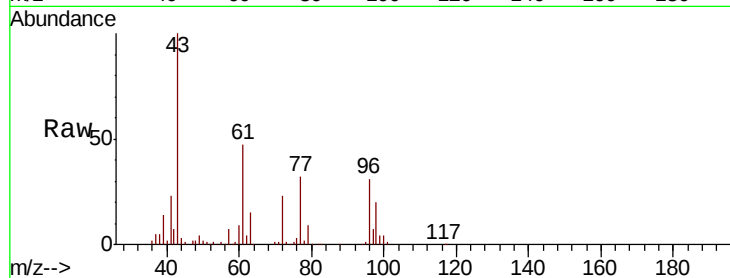
ClientSampled :

Tot Ion: 43 Resp: 608556

Ion Ratio Lower Upper

43 100

72 22.9 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

250000

200000

150000

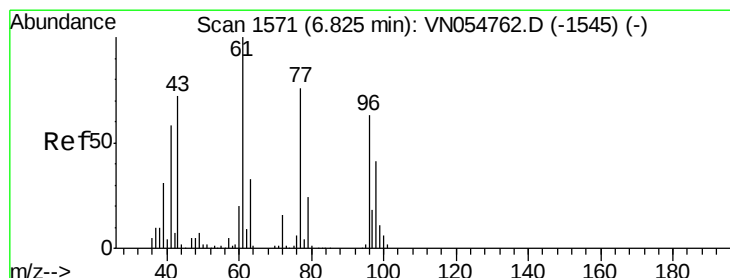
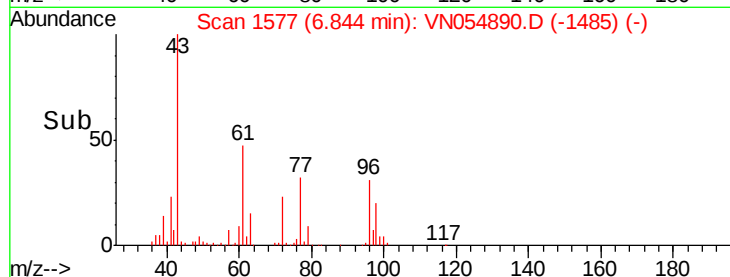
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 50.911 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054890.D

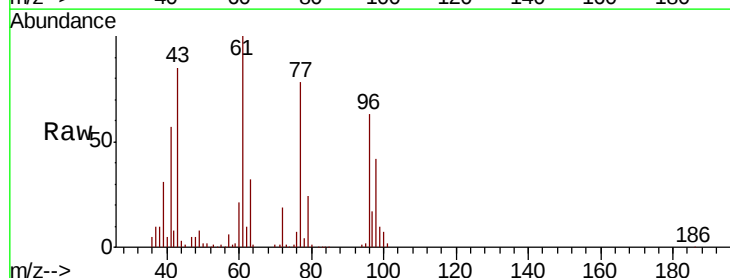
Acq: 2 Apr 2019 9:31

Tgt Ion: 77 Resp: 336509

Ion Ratio Lower Upper

77 100

97 22.4 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

120000

100000

80000

60000

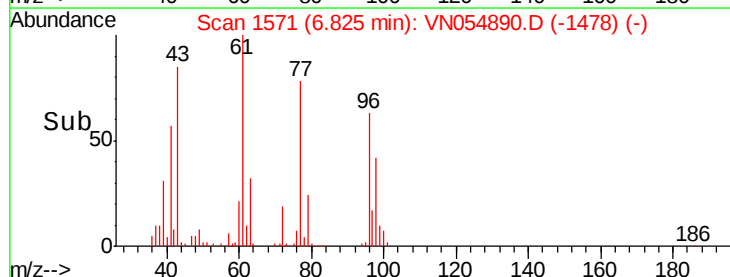
40000

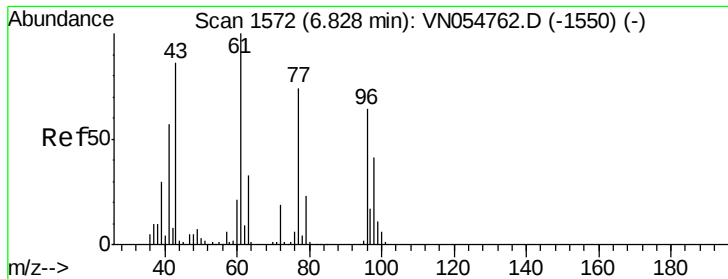
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.518 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :

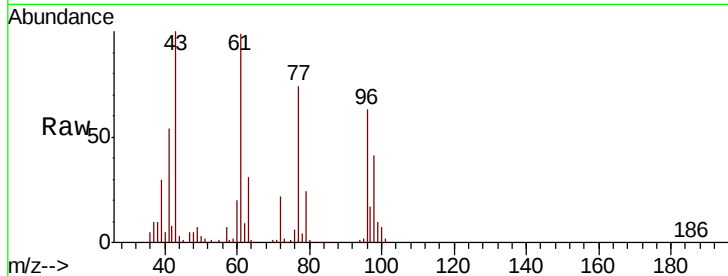
Tot Ion: 96 Resp: 261252

Ion Ratio Lower Upper

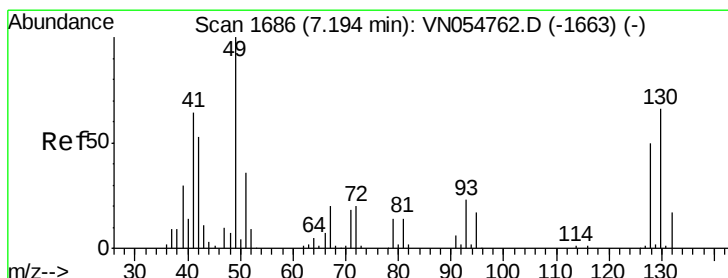
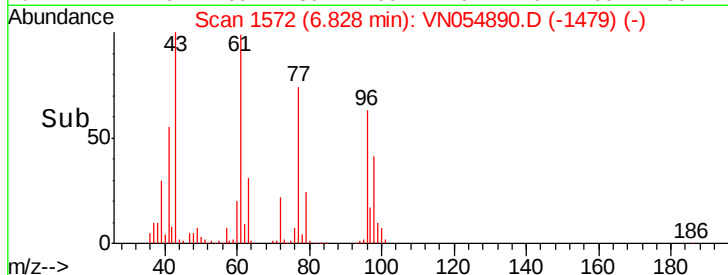
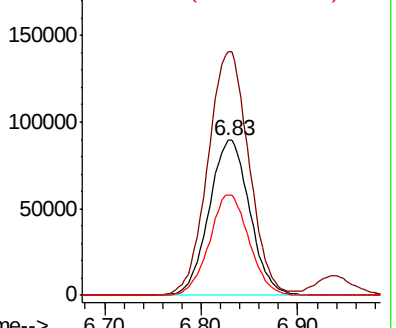
96 100

61 158.7 0.0 273.0

98 63.5 0.0 130.6



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



#28

Bromochloromethane

Concen: 51.203 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

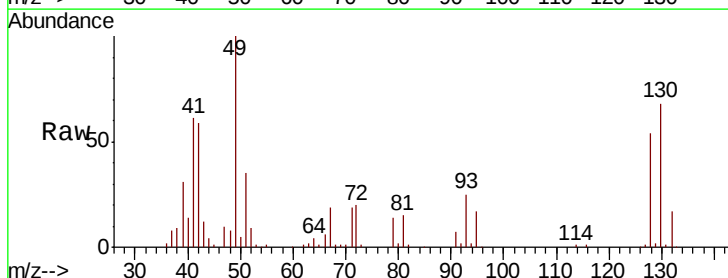
Tgt Ion: 49 Resp: 241454

Ion Ratio Lower Upper

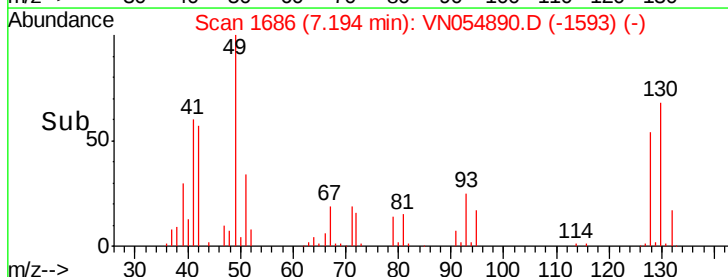
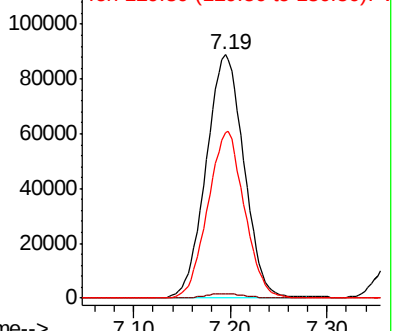
49 100

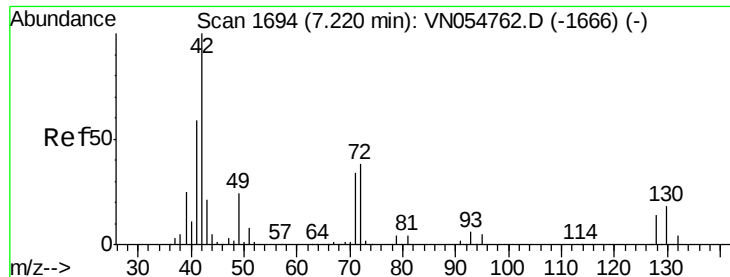
129 1.9 0.0 4.6

130 66.4 76.7 115.1#



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

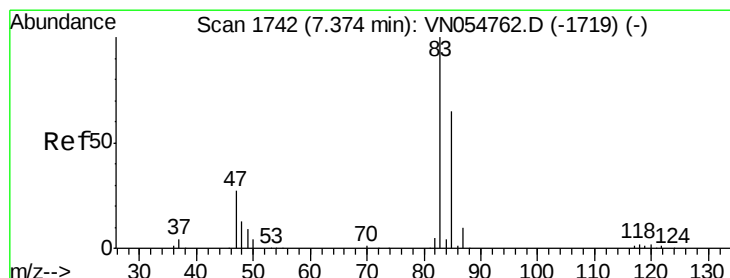
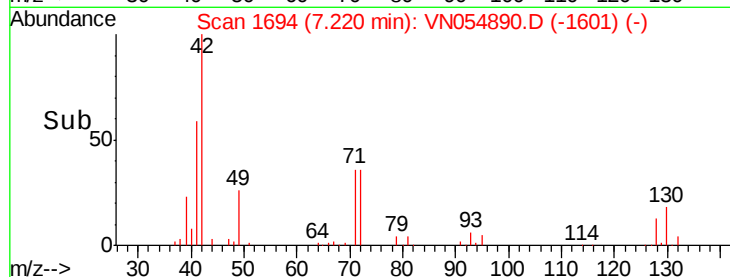
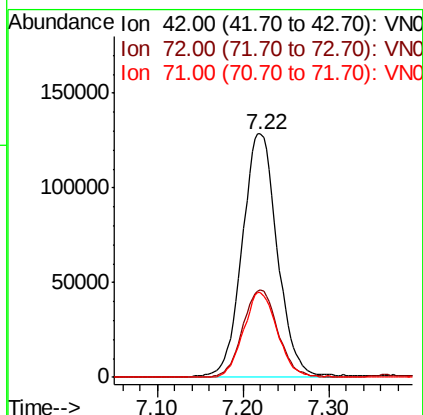
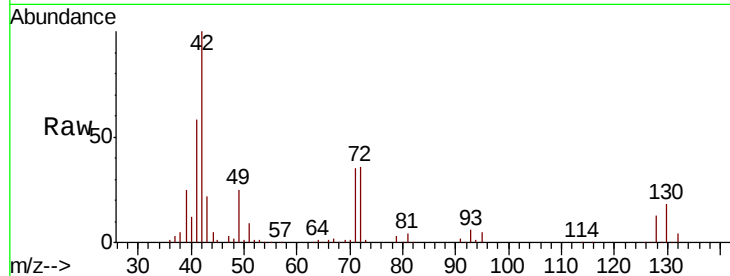




#29
Tetrahydrofuran
Concen: 237.584 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

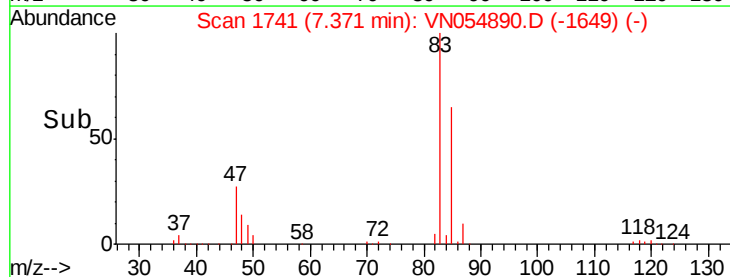
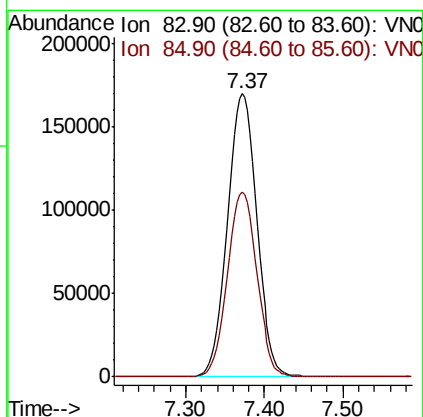
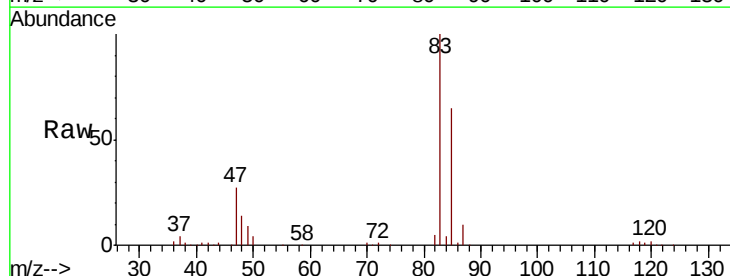
Instrument :
MSVOA_N
ClientSampleId :

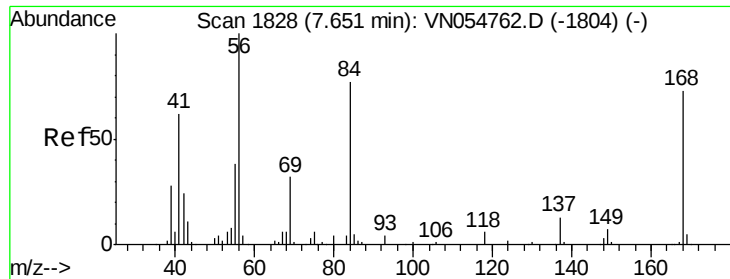
Tot Ion: 42 Resp: 361988
Ion Ratio Lower Upper
42 100
72 36.5 37.8 56.6#
71 34.1 36.2 54.2#



#30
Chloroform
Concen: 49.054 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 83 Resp: 441118
Ion Ratio Lower Upper
83 100
85 65.4 52.2 78.4





#31

Cyclohexane

Concen: 49.858 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

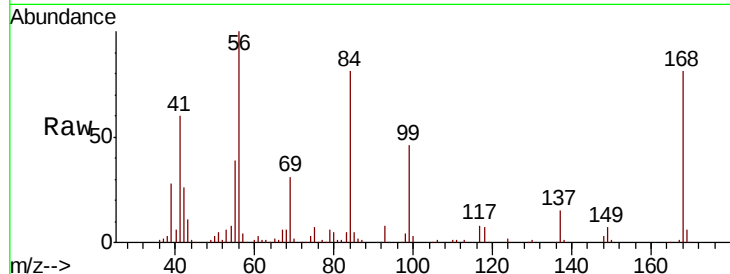
Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 428479

Ion	Ratio	Lower	Upper
56	100		
69	30.9	27.8	41.6
84	79.4	74.6	111.8

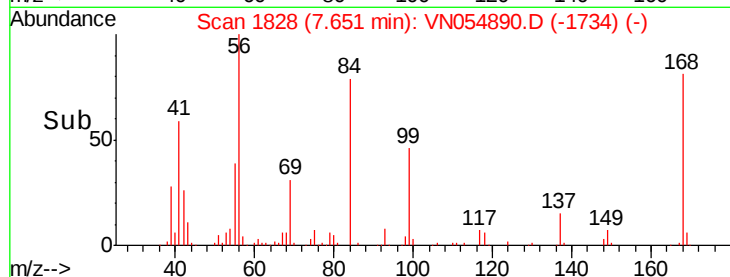


Abundance

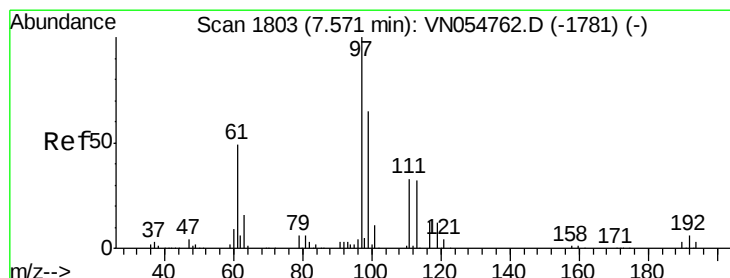
Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



Time-->



#32

1,1,1-Trichloroethane

Concen: 49.502 ug/l

RT: 7.57 min Scan# 1802

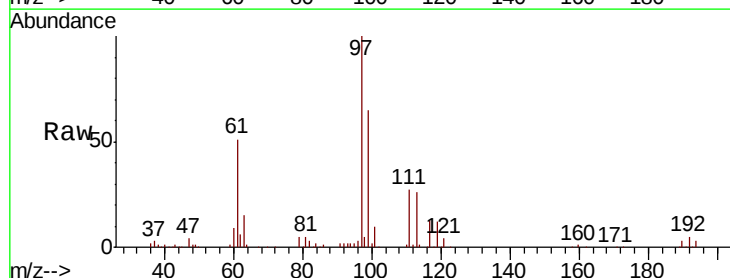
Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Tgt Ion: 97 Resp: 368901

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	48.3	33.6	50.4

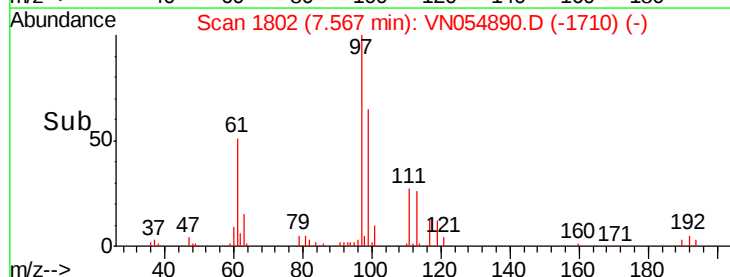


Abundance

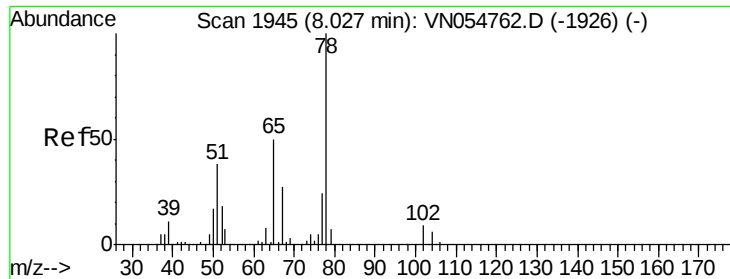
Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO



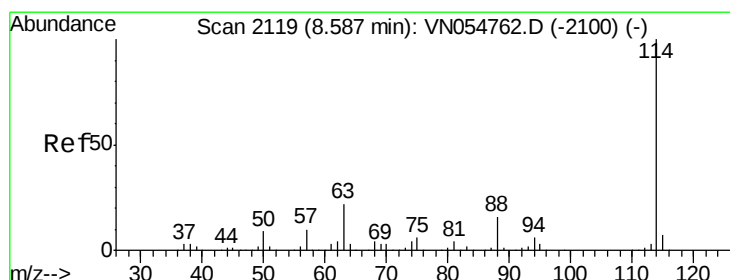
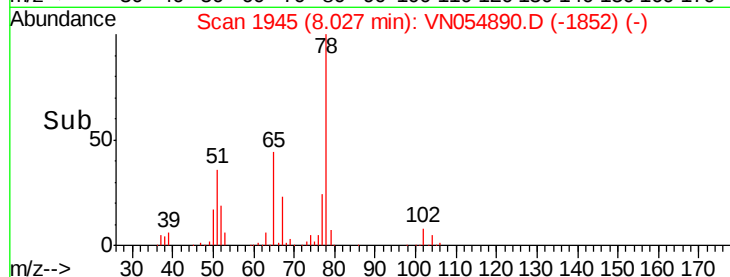
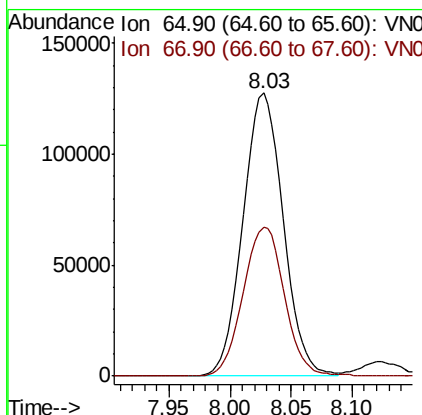
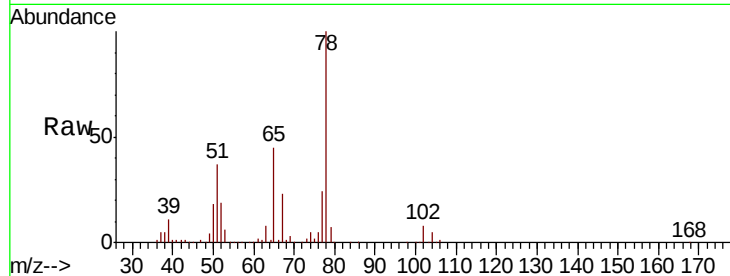
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 46.824 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

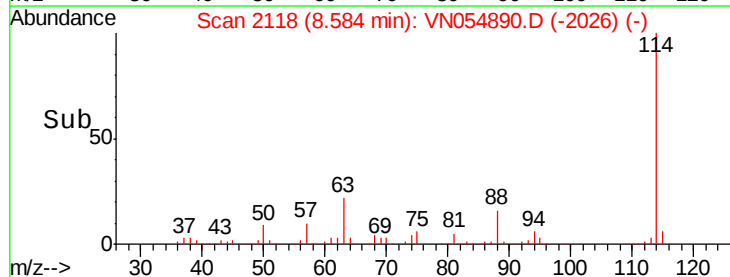
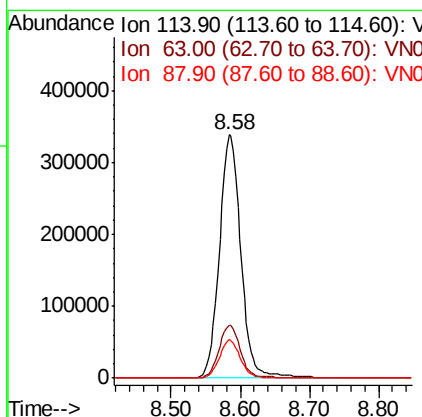
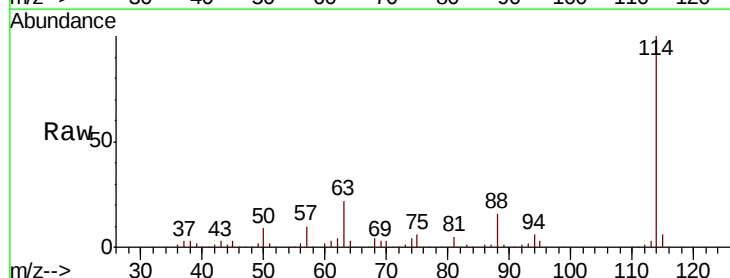
Instrument :
 MSVOA_N
 ClientSampled :

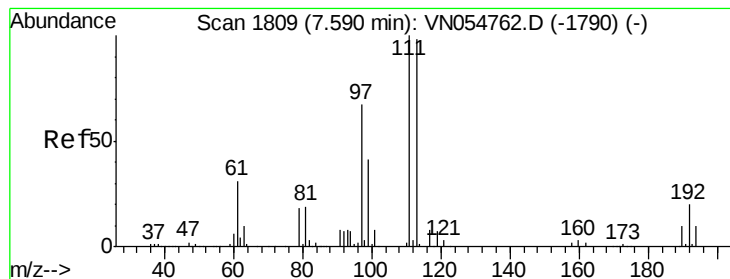
Tot Ion: 65 Resp: 291401
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion: 114 Resp: 728721
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 35.2
 88 15.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.688 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampled :

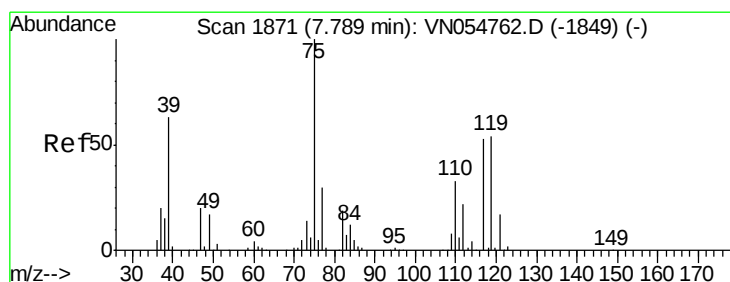
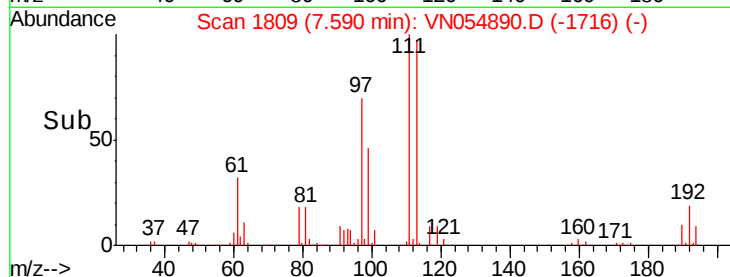
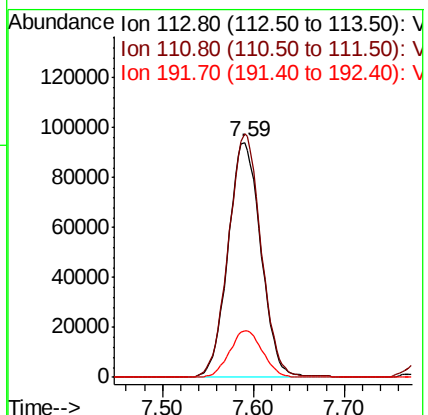
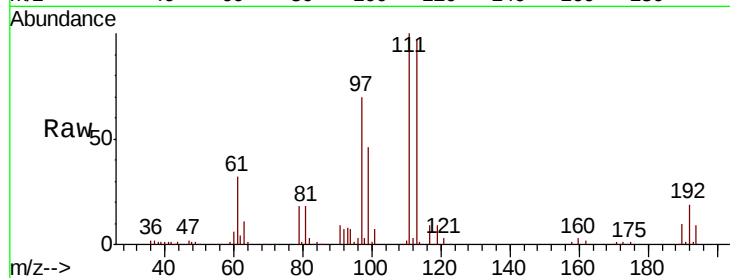
Tot Ion:113 Resp: 236541

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 19.9 19.2 28.8



#36

1,1-Dichloropropene

Concen: 49.807 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

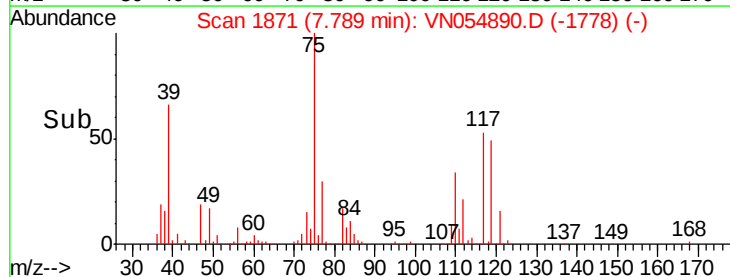
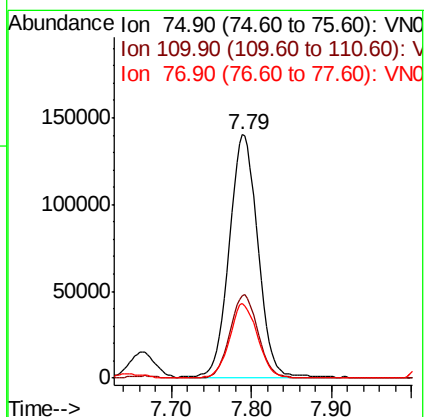
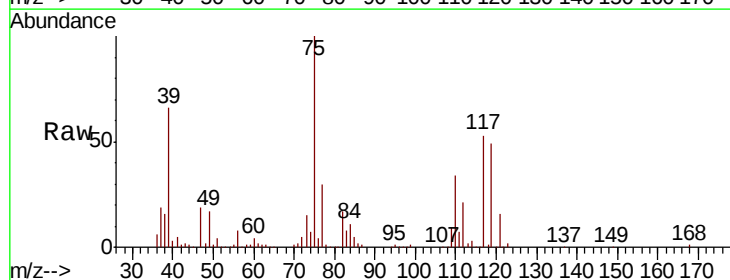
Tgt Ion: 75 Resp: 338205

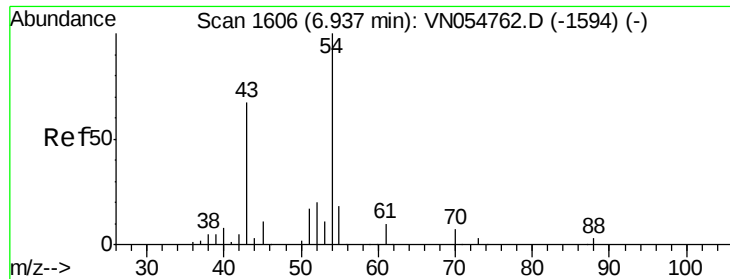
Ion Ratio Lower Upper

75 100

110 33.8 19.1 57.5

77 30.2 25.0 37.4

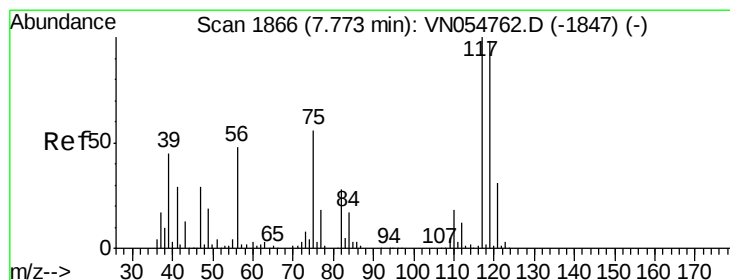
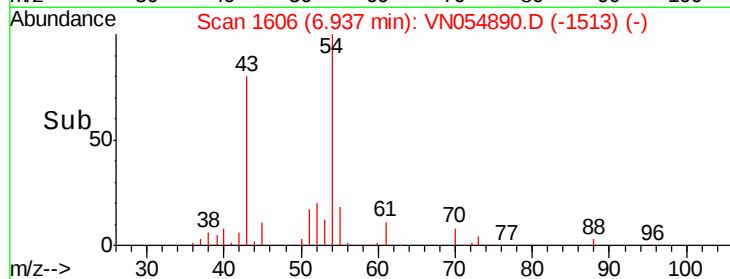
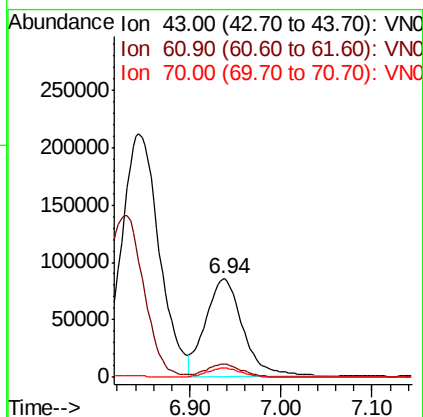
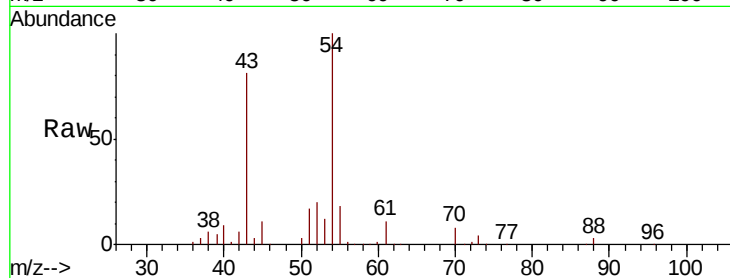




#37
Ethyl Acetate
Concen: 48.702 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

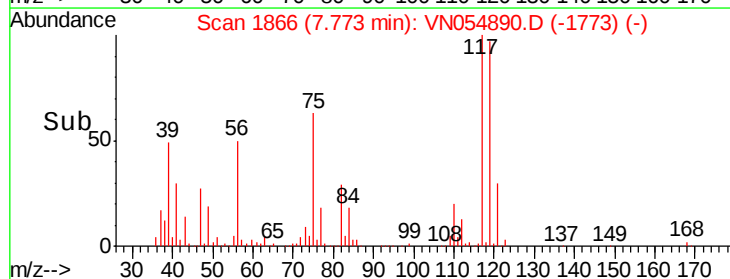
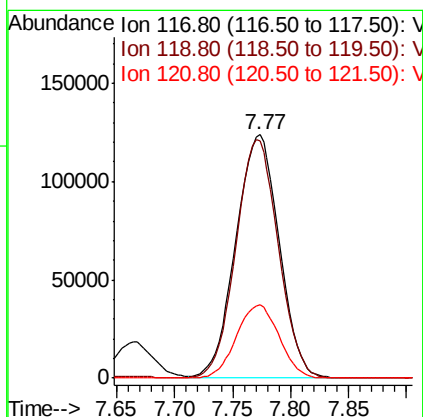
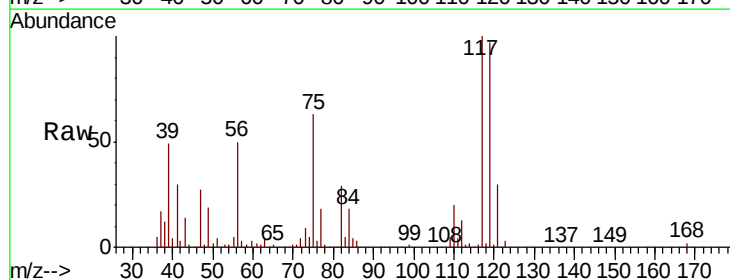
Instrument :
MSVOA_N
ClientSampleId :

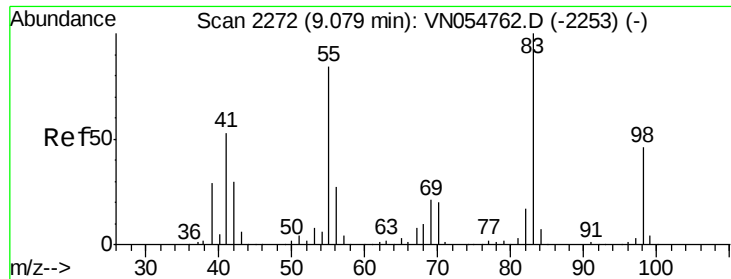
Tot Ion: 43 Resp: 242509
Ion Ratio Lower Upper
43 100
61 12.8 11.8 17.6
70 8.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 48.729 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 117 Resp: 321379
Ion Ratio Lower Upper
117 100
119 97.3 76.3 114.5
121 30.0 24.6 36.8

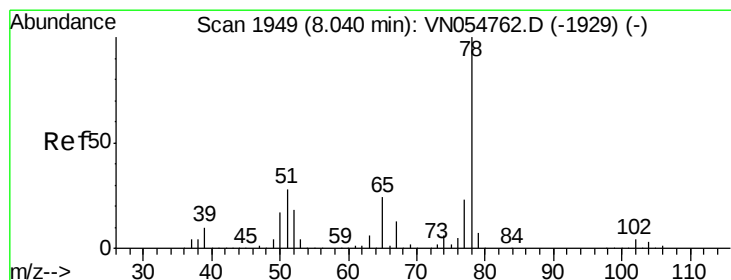
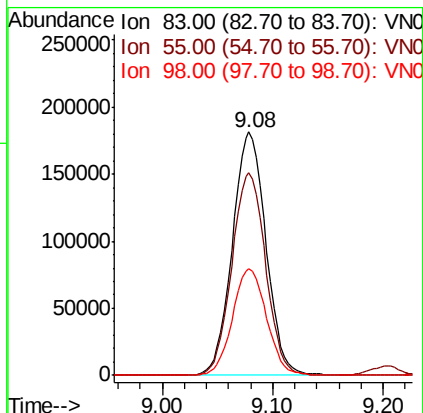
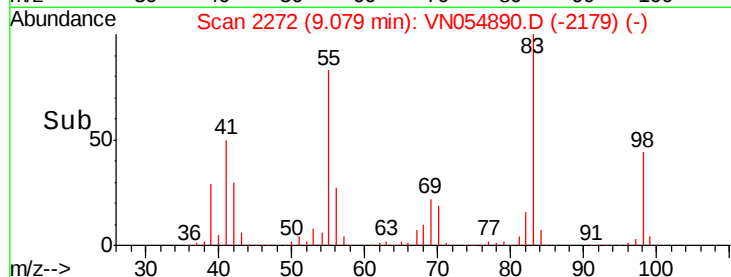
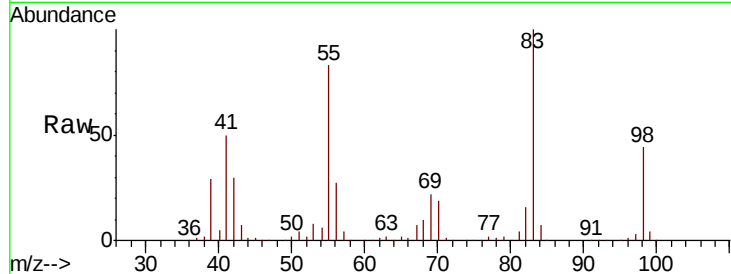




#39
Methvlcvclohexane
Concen: 51.207 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

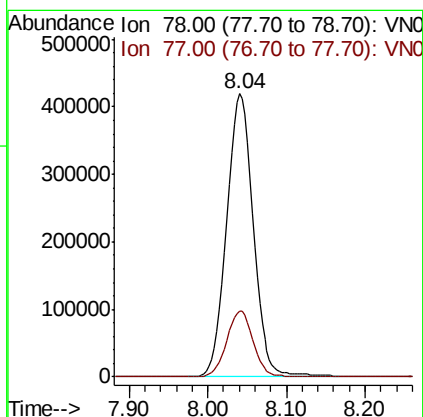
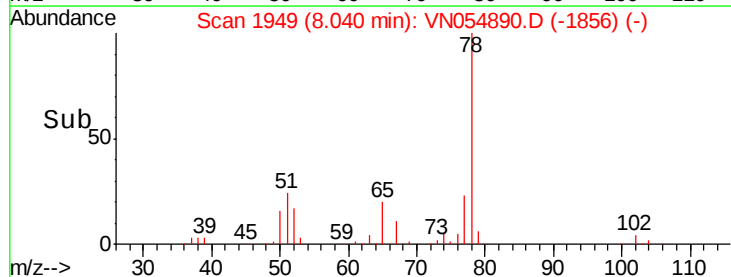
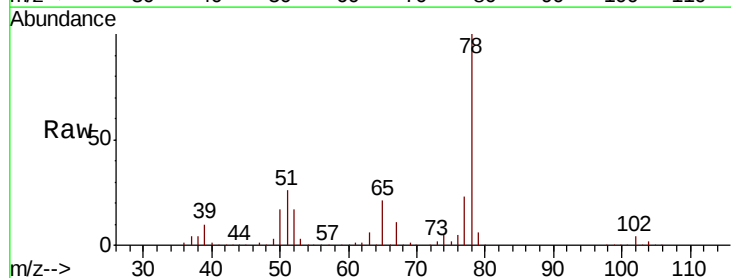
Instrument :
MSVOA_N
ClientSampled :

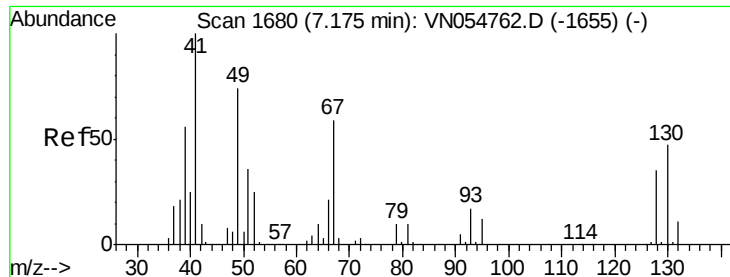
Tot Ion: 83 Resp: 382269
Ion Ratio Lower Upper
83 100
55 83.0 56.6 84.8
98 43.9 38.4 57.6



#40
Benzene
Concen: 50.750 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 78 Resp: 986055
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7

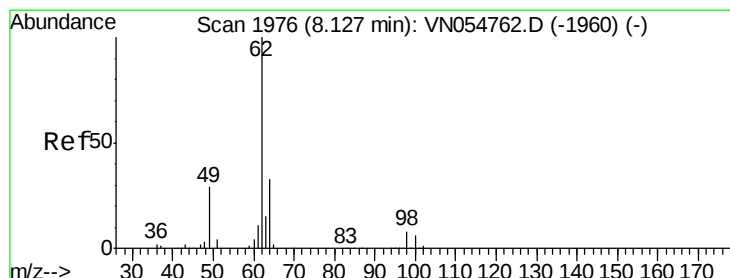
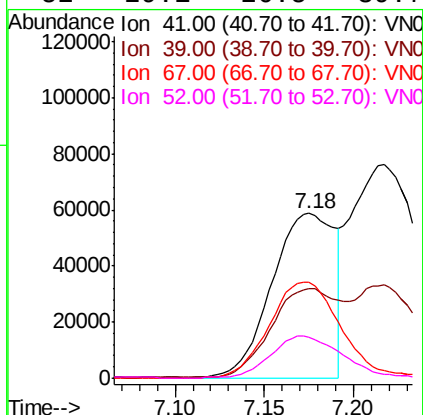
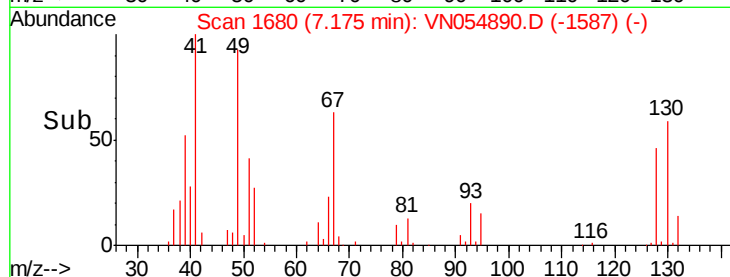
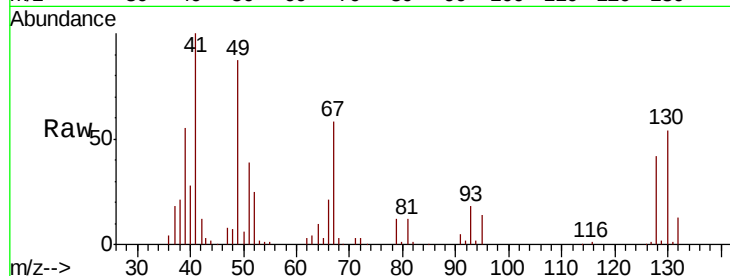




#41
Methacrylonitrile
Concen: 51.297 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

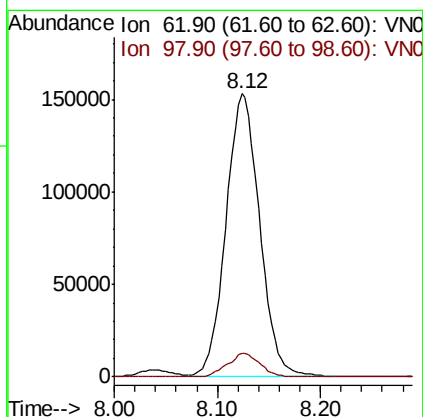
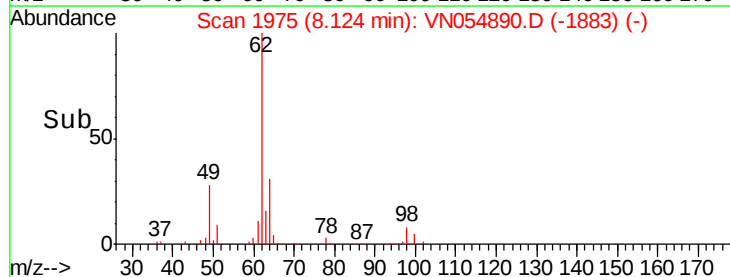
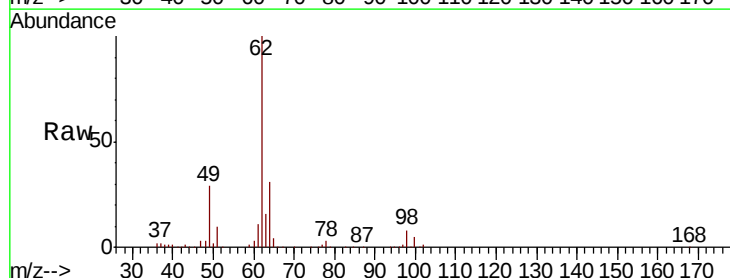
Instrument :
MSVOA_N
ClientSampled :

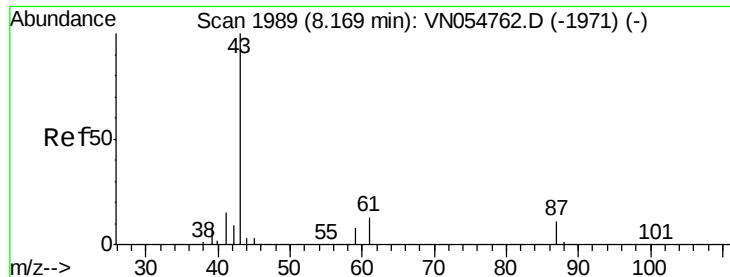
Tot Ion: 41 Resp: 143490
Ion Ratio Lower Upper
41 100
39 61.5 46.8 70.2
67 67.8 67.0 100.4
52 29.1 26.5 39.7



#42
1,2-Dichloroethane
Concen: 49.888 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 62 Resp: 346102
Ion Ratio Lower Upper
62 100
98 8.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 51.945 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampled :

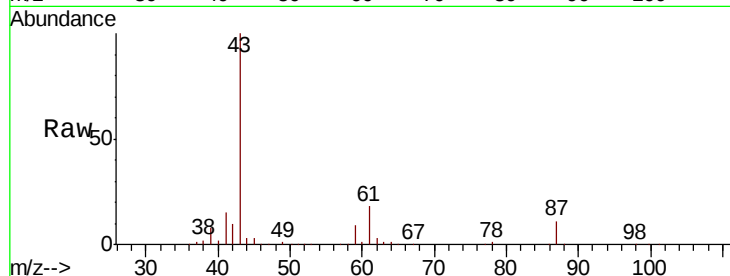
Tot Ion: 43 Resp: 420288

Ion Ratio Lower Upper

43 100

61 17.6 15.8 23.8

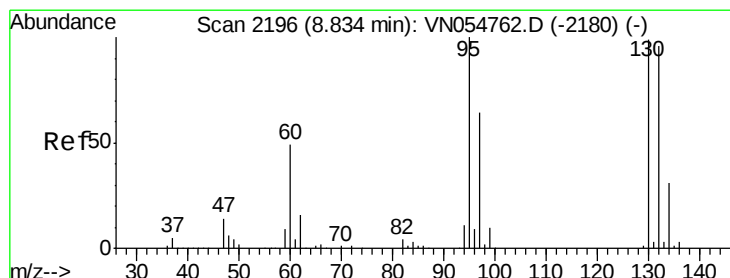
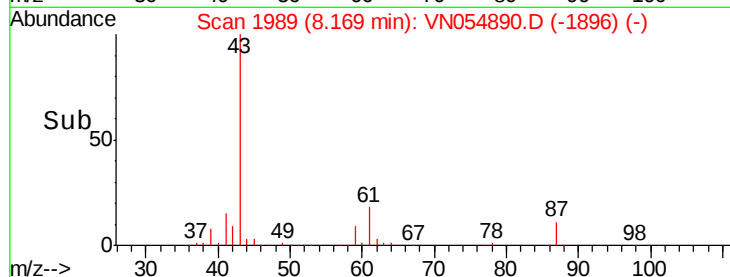
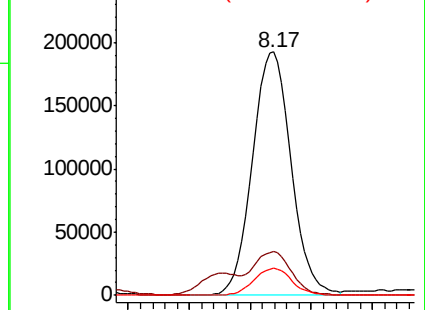
87 11.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054890.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN054890.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN054890.D (-2103) (-)



#44

Trichloroethene

Concen: 50.833 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054890.D

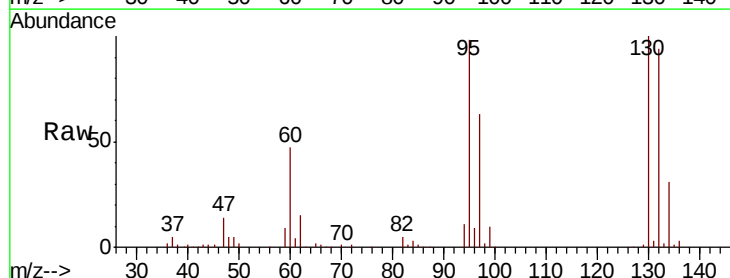
Acq: 2 Apr 2019 9:31

Tgt Ion:130 Resp: 256387

Ion Ratio Lower Upper

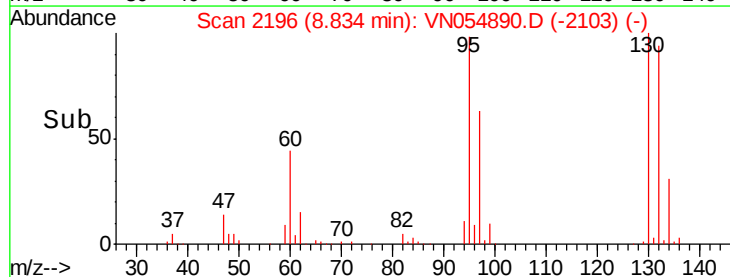
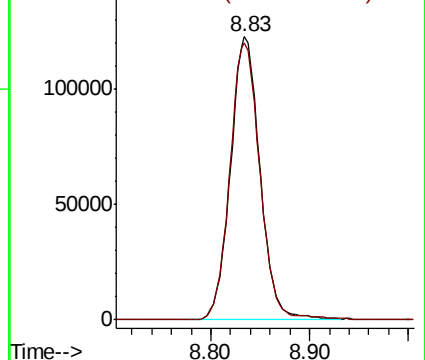
130 100

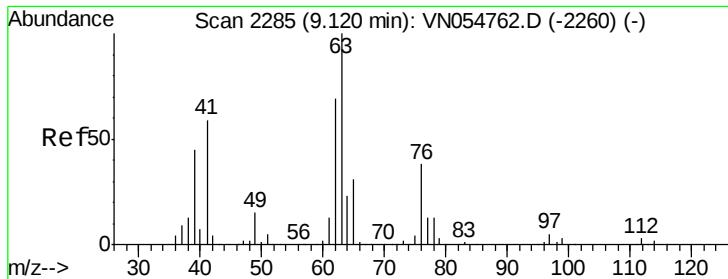
95 97.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054890.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054890.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 49.654 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

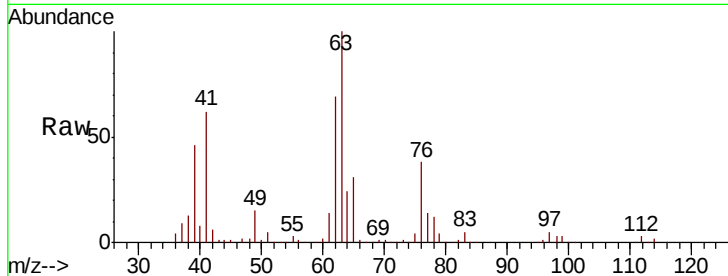
ClientSampleId :

Tot Ion: 63 Resp: 275090

Ion Ratio Lower Upper

63 100

65 30.8 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

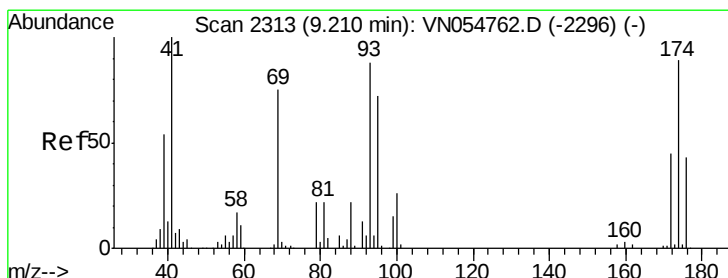
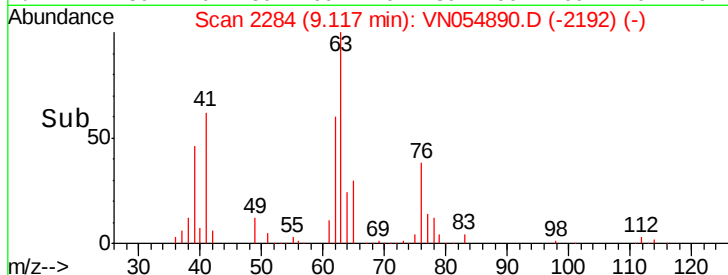
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 49.638 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

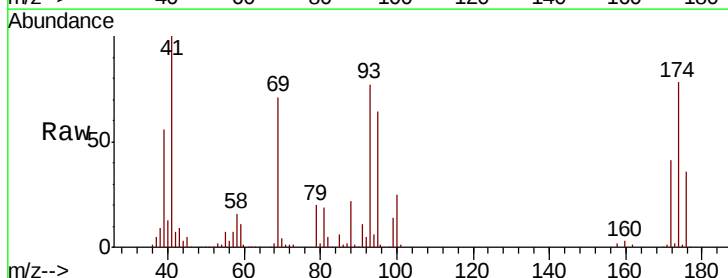
Tgt Ion: 93 Resp: 154701

Ion Ratio Lower Upper

93 100

95 84.0 66.7 100.1

174 102.4 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

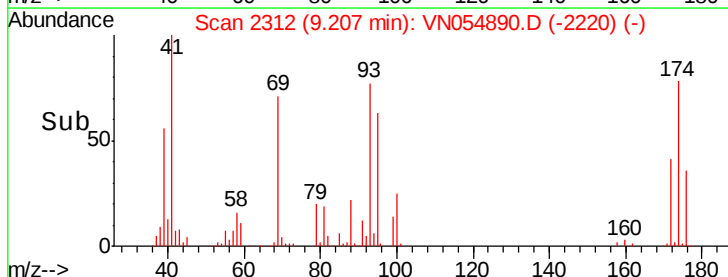
60000

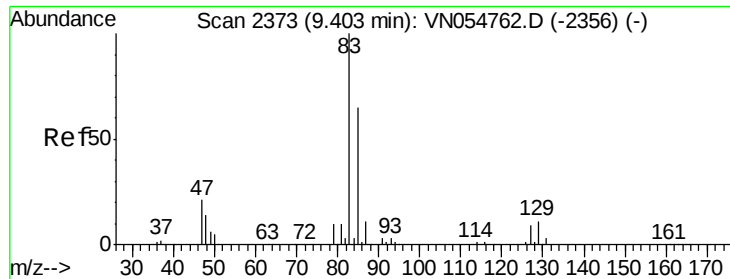
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 52.725 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

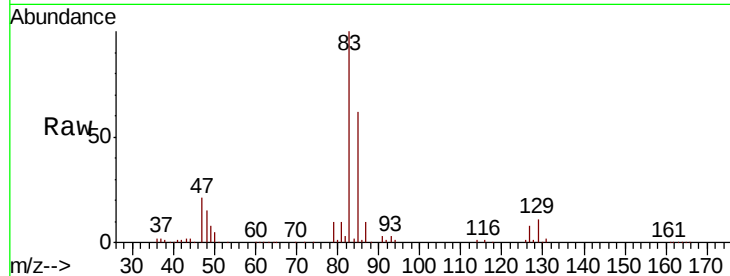
Tot Ion: 83 Resp: 341505

Ion Ratio Lower Upper

83 100

85 62.1 52.8 79.2

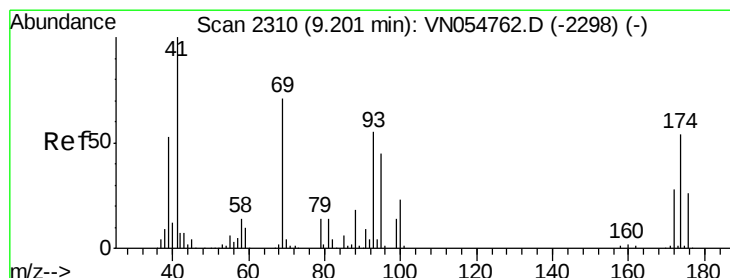
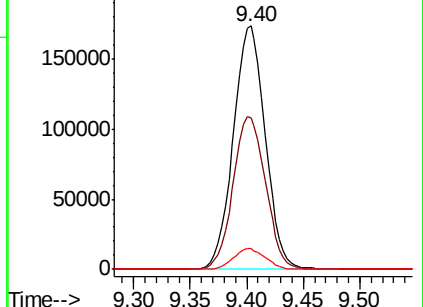
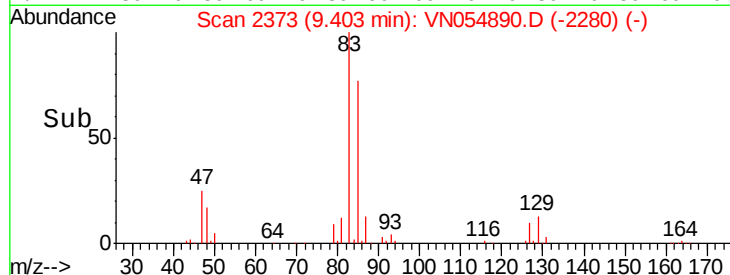
127 8.4 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054890.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054890.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054890.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.285 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

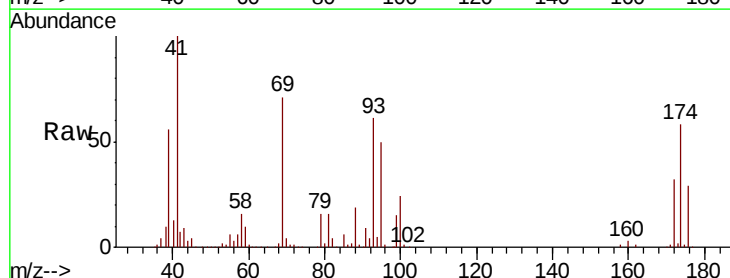
Tgt Ion: 41 Resp: 216159

Ion Ratio Lower Upper

41 100

69 73.3 72.6 108.8

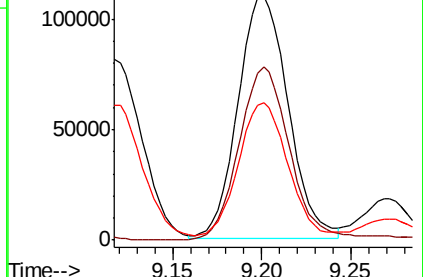
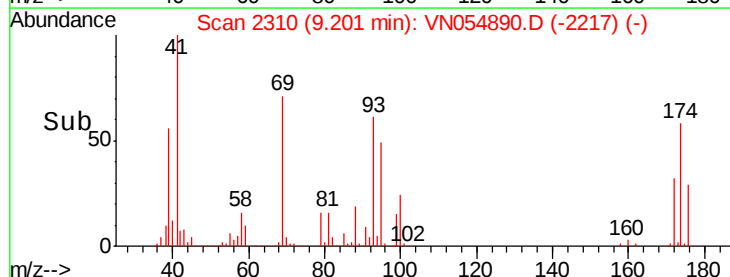
39 56.3 47.5 71.3

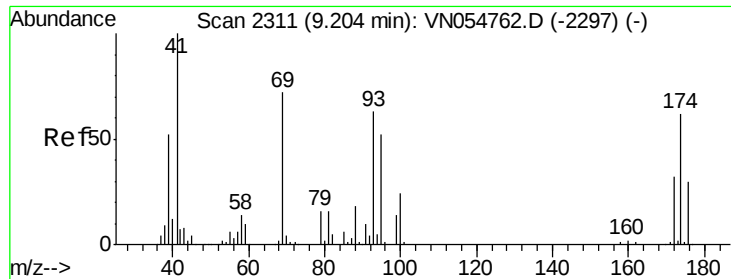


Abundance Ion 41.00 (40.70 to 41.70): VN054890.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054890.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054890.D (-2217) (-)

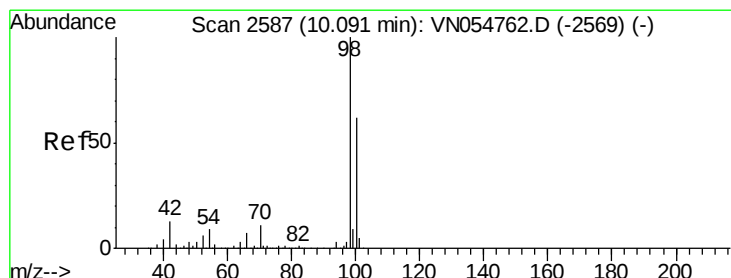
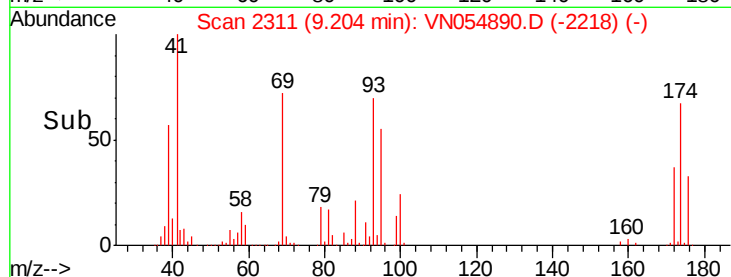
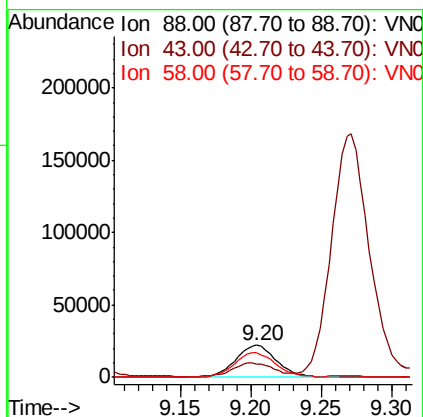
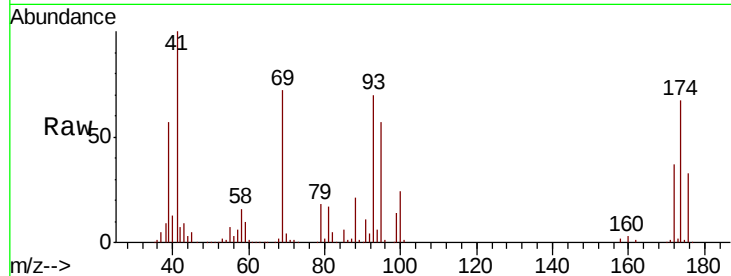




#49
1,4-Dioxane
Concen: 1034.953 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

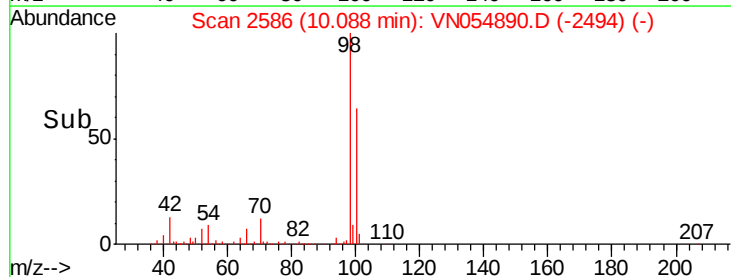
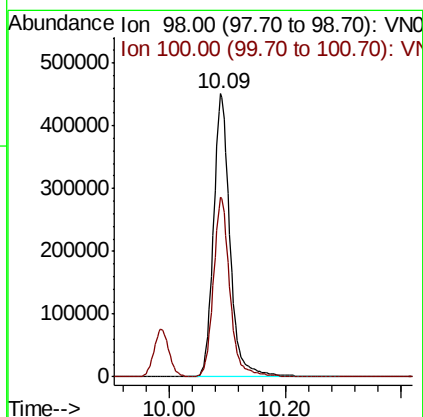
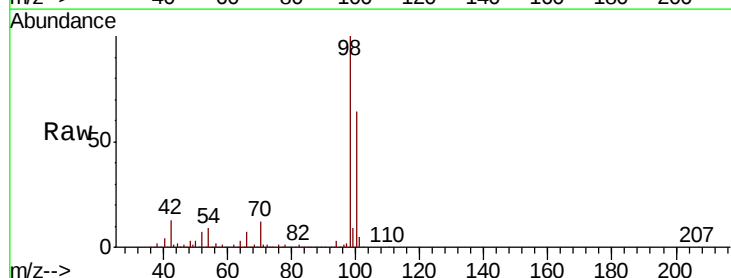
Instrument :
MSVOA_N
ClientSampled :

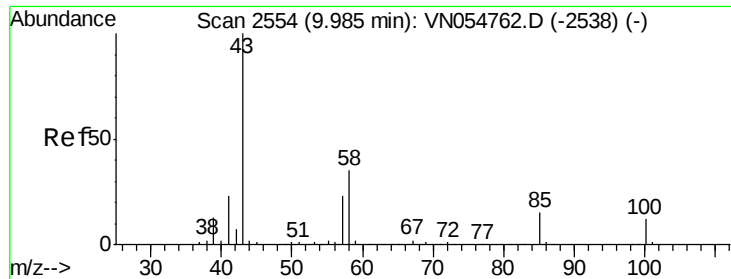
Tot Ion: 88 Resp: 45039
Ion Ratio Lower Upper
88 100
43 42.5 24.1 36.1#
58 77.7 50.8 76.2#



#50
Toluene-d8
Concen: 49.545 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 98 Resp: 894894
Ion Ratio Lower Upper
98 100
100 62.7 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 263.563 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

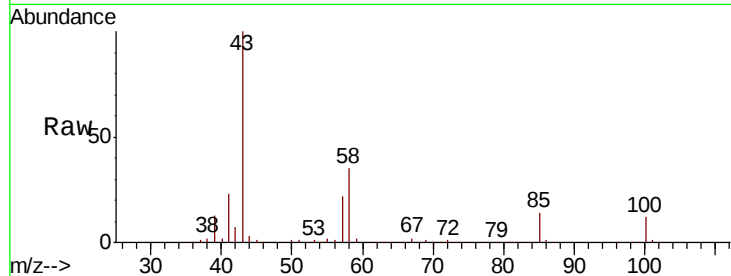
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1198931

Ion Ratio Lower Upper

43 100

58 35.0 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

9.99

600000

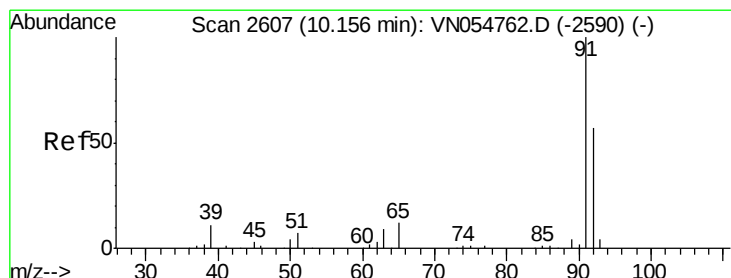
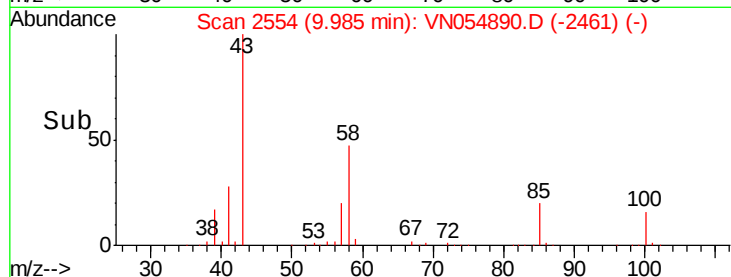
400000

200000

0

Time-->

9.90 10.00 10.10



#52

Toluene

Concen: 51.569 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054890.D

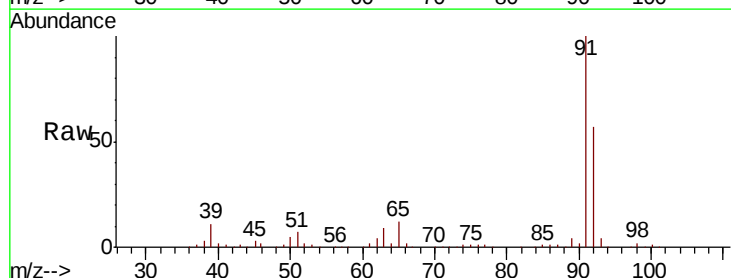
Acq: 2 Apr 2019 9:31

Tgt Ion: 92 Resp: 596203

Ion Ratio Lower Upper

92 100

91 175.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054762.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054762.D (-2590) (-)

10.16

600000

500000

400000

300000

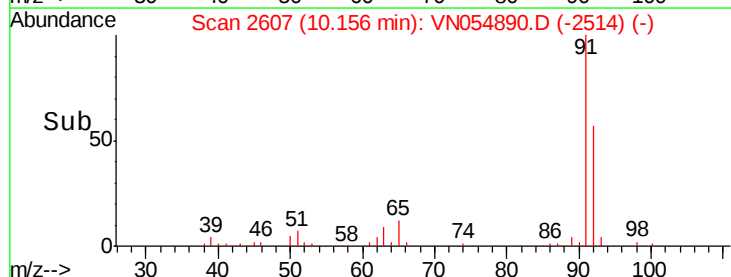
200000

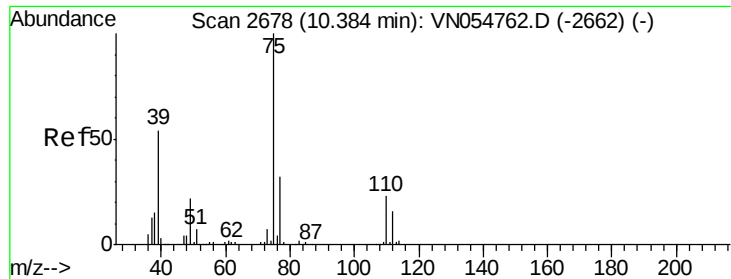
100000

0

Time-->

10.00 10.10 10.20 10.30





#53

t-1,3-Dichloropropene

Concen: 53.459 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

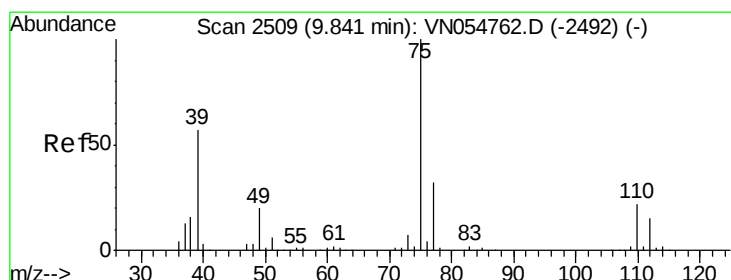
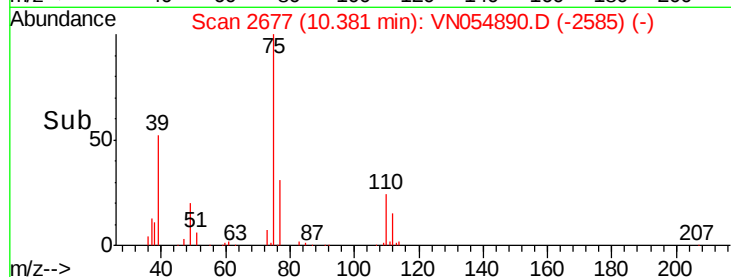
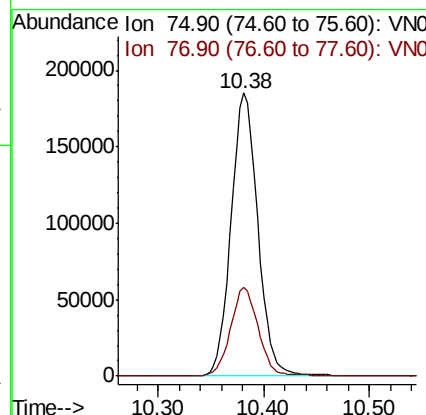
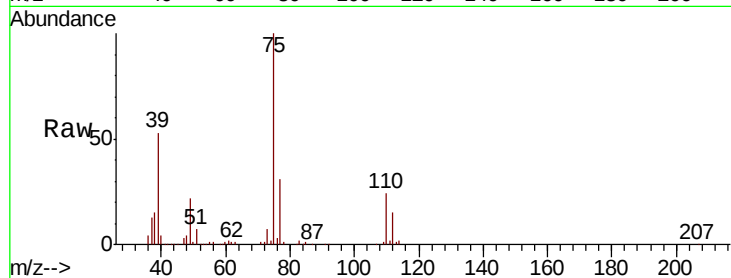
ClientSampleId :

Tot Ion: 75 Resp: 325715

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 54.523 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

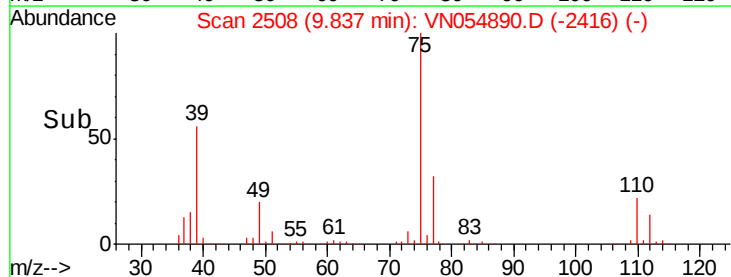
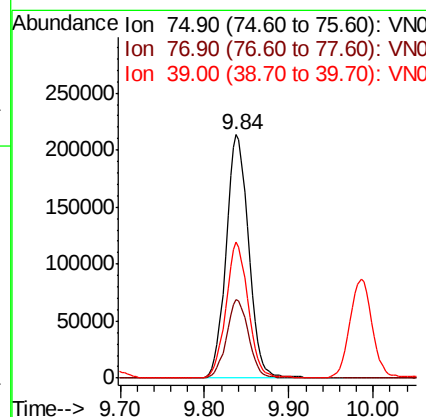
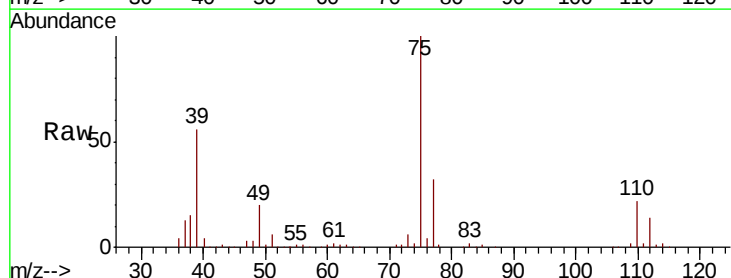
Tgt Ion: 75 Resp: 396828

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

39 55.7 37.2 55.8

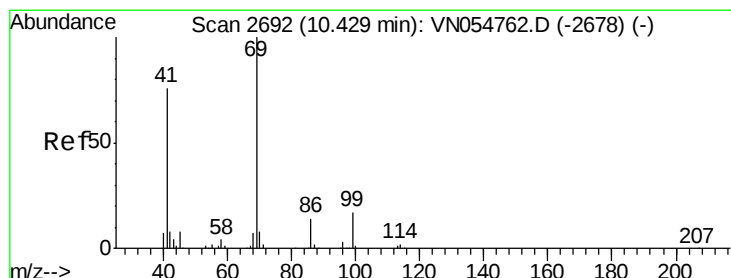
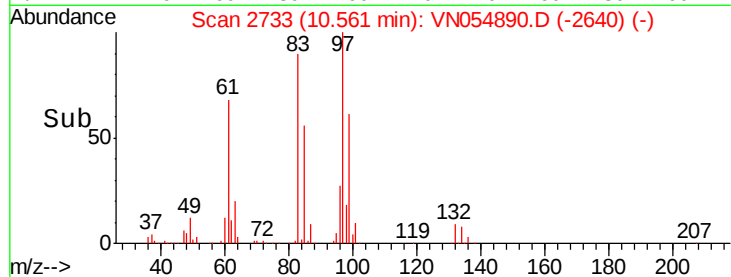
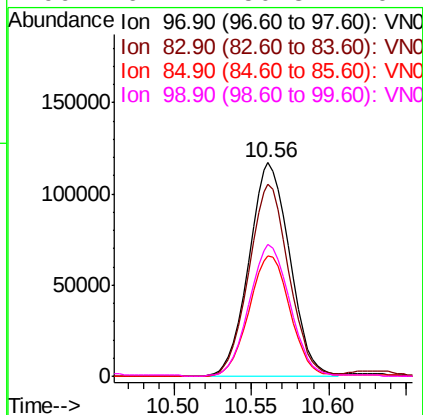
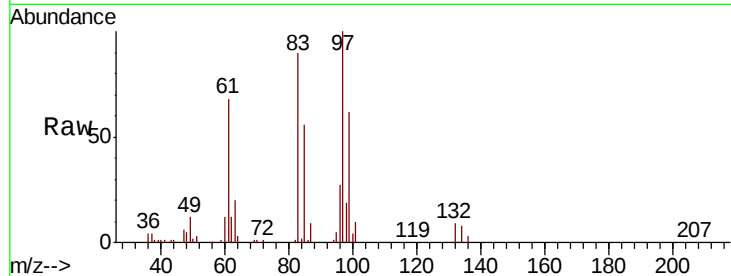




#55
 1,1,2-Trichloroethane
 Concen: 50.085 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

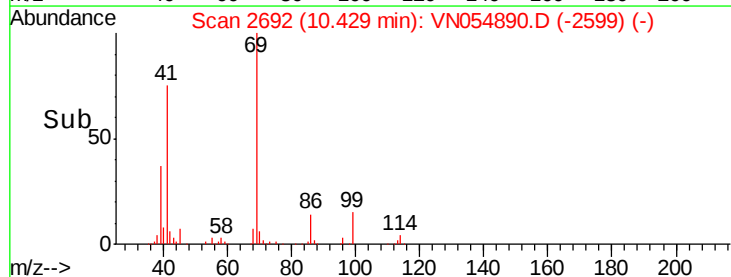
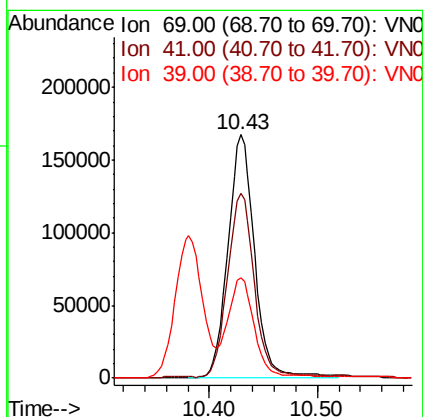
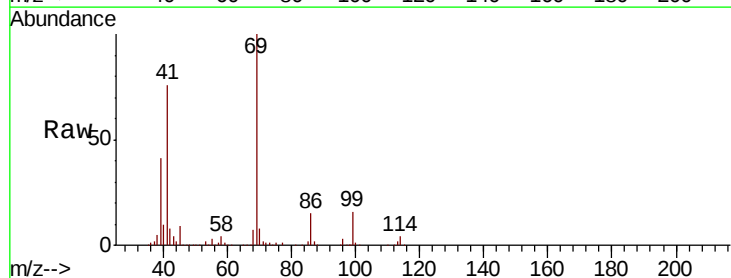
Instrument :
 MSVOA_N
 ClientSampleId :

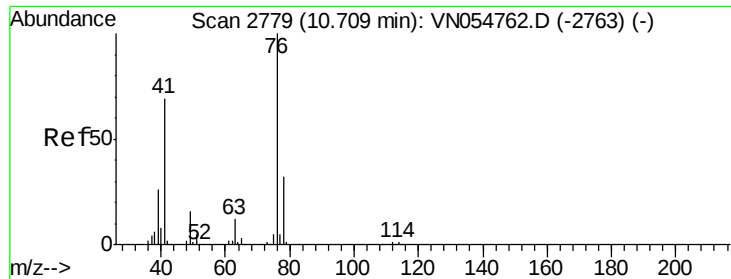
Tot Ion:	97	Resp:	215312
Ion	Ratio	Lower	Upper
97	100		
83	90.2	66.6	100.0
85	56.5	44.4	66.6
99	61.4	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 51.192 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion:	69	Resp:	288685
Ion	Ratio	Lower	Upper
69	100		
41	75.6	49.4	74.2#
39	38.8	28.3	42.5





#57

1,3-Dichloropropane

Concen: 51.102 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

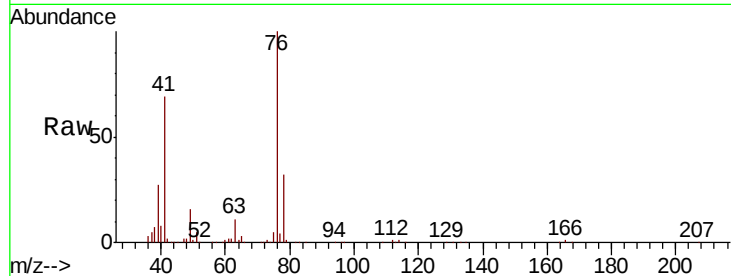
ClientSampleId :

Tot Ion: 76 Resp: 377682

Ion Ratio Lower Upper

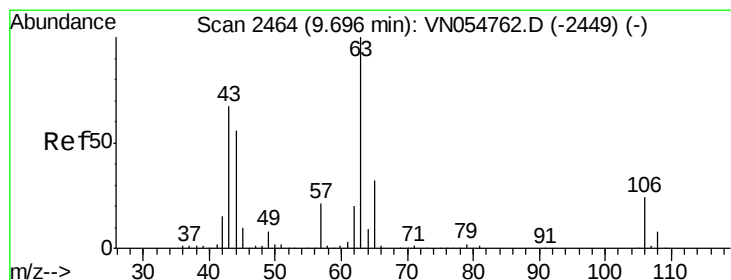
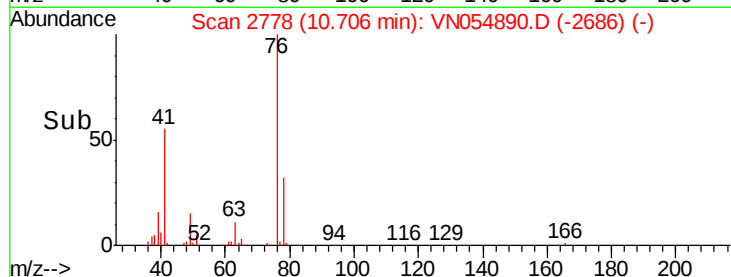
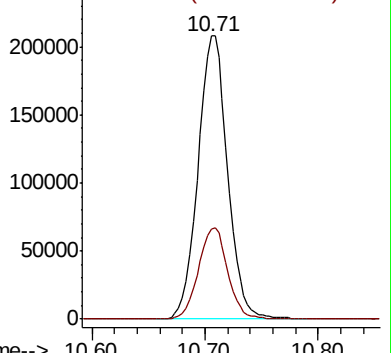
76 100

78 32.1 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: 222.262 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054890.D

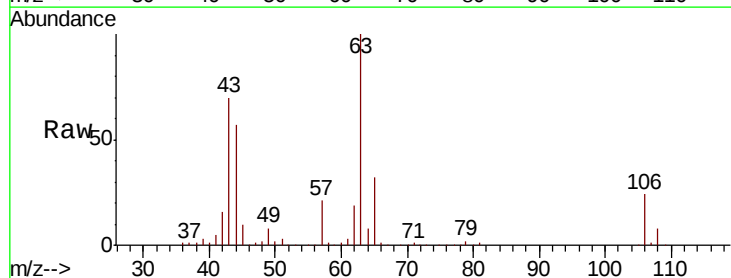
Acq: 2 Apr 2019 9:31

Tgt Ion: 63 Resp: 537006

Ion Ratio Lower Upper

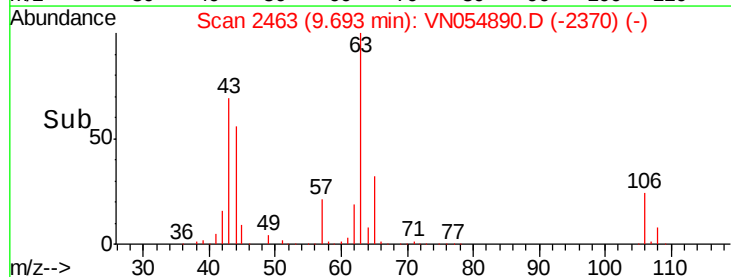
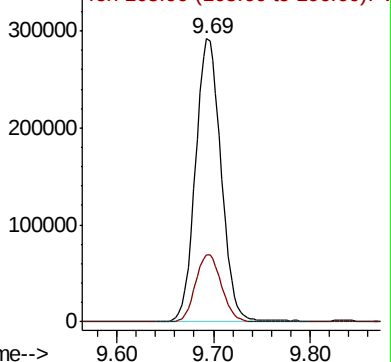
63 100

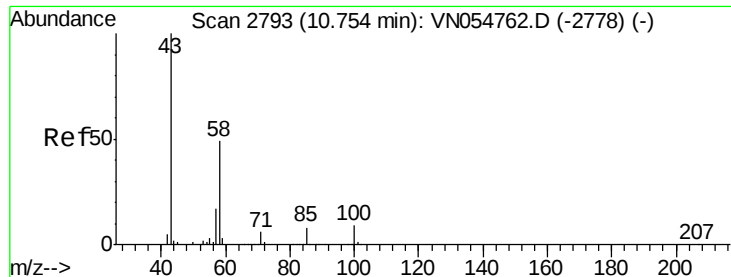
106 24.1 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

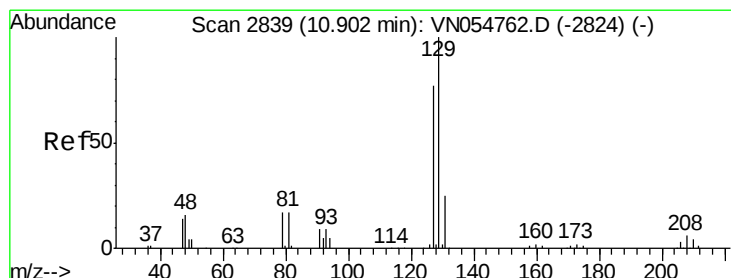
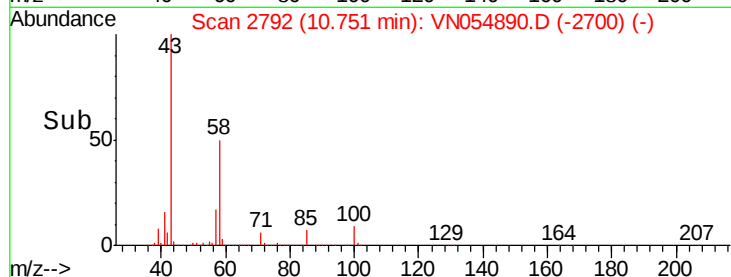
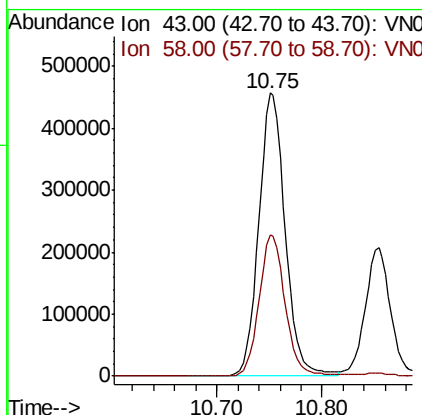
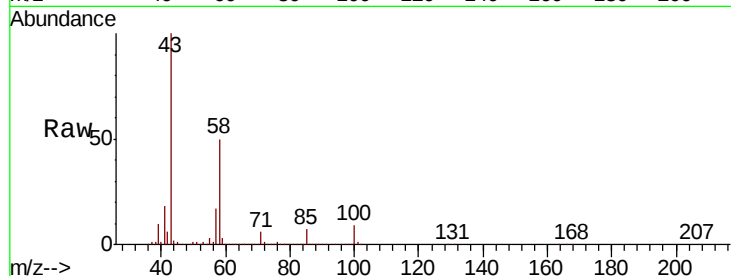




#59
2-Hexanone
Concen: 272.819 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

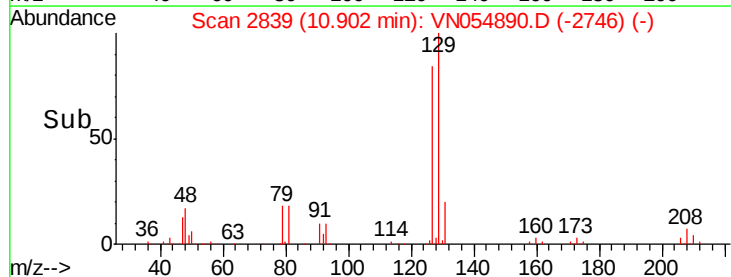
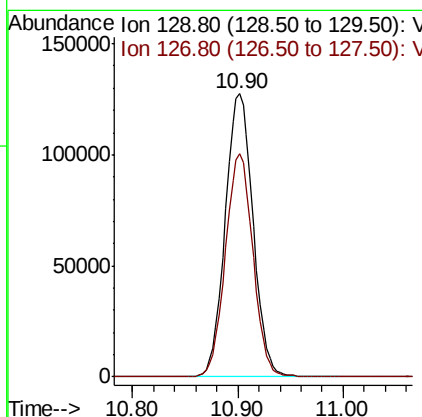
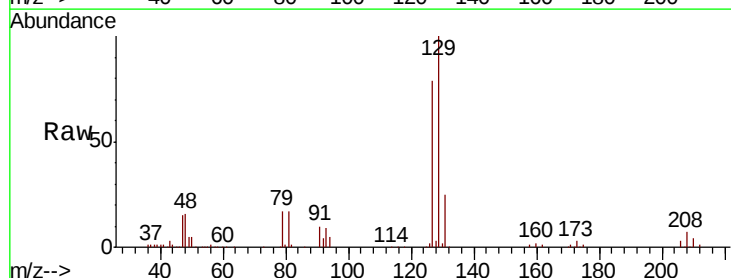
Instrument :
MSVOA_N
ClientSampleId :

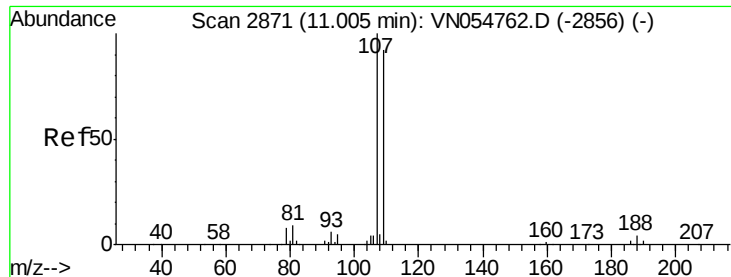
Tot Ion: 43 Resp: 794461
Ion Ratio Lower Upper
43 100
58 49.5 28.0 83.9



#60
Dibromochloromethane
Concen: 53.376 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 129 Resp: 232439
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.973 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

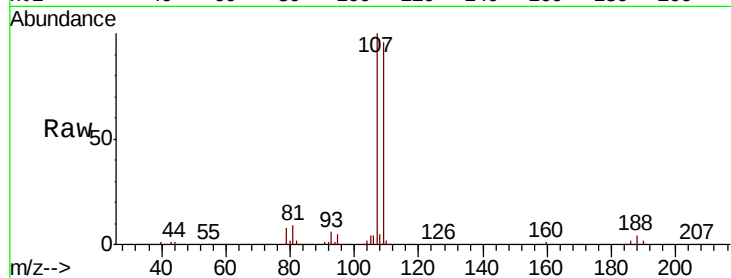
ClientSampleId :

Tot Ion: 107 Resp: 209411

Ion Ratio Lower Upper

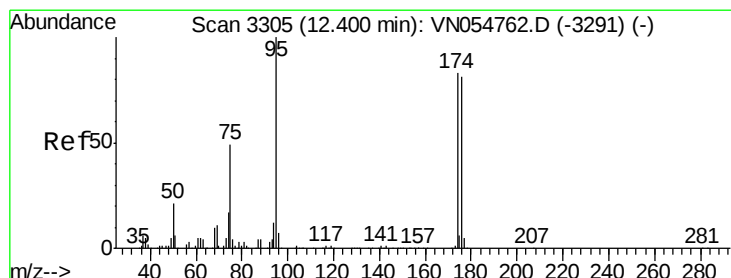
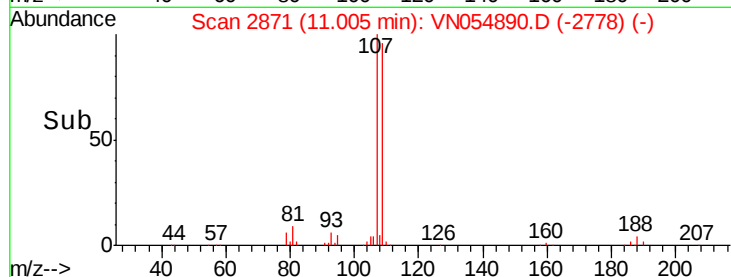
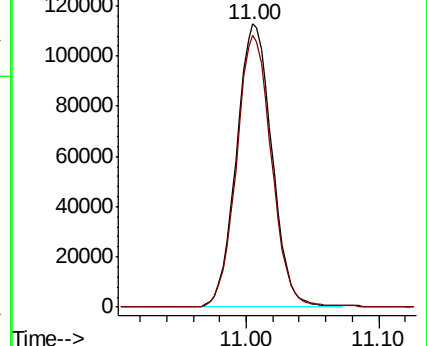
107 100

109 94.7 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: 51.909 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

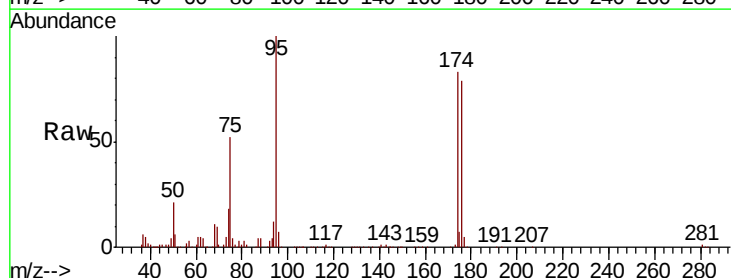
Tgt Ion: 95 Resp: 311820

Ion Ratio Lower Upper

95 100

174 82.5 0.0 191.0

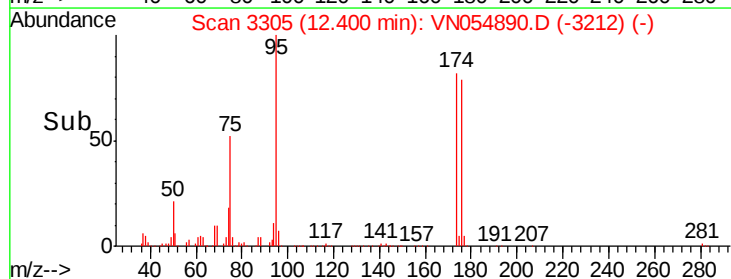
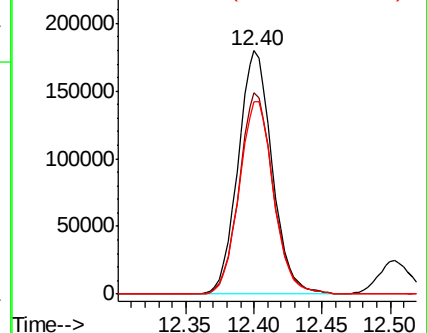
176 80.1 0.0 187.4

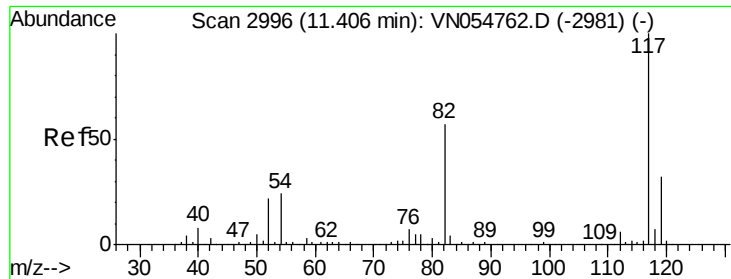


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

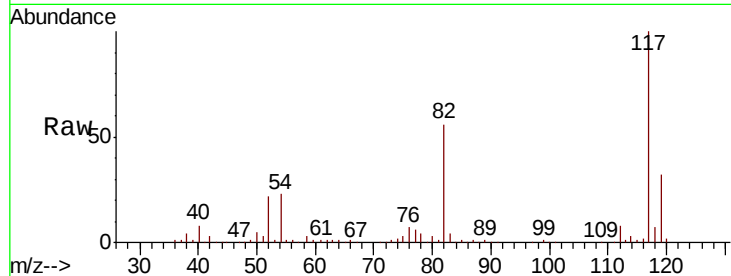




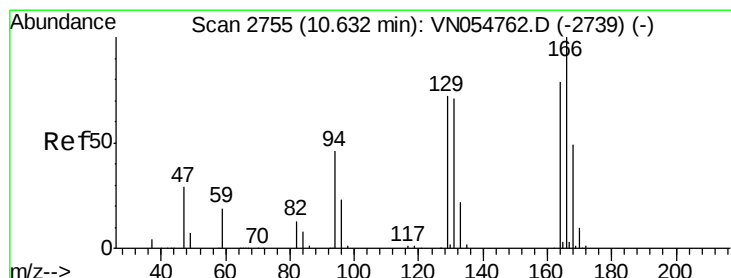
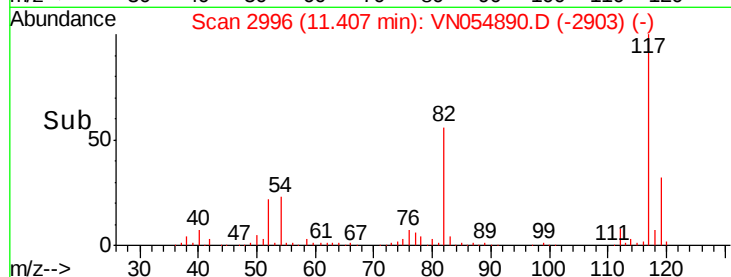
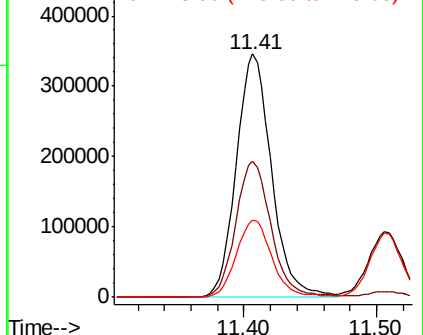
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 639655
Ion Ratio Lower Upper
117 100
82 56.0 40.0 60.0
119 31.9 25.8 38.6

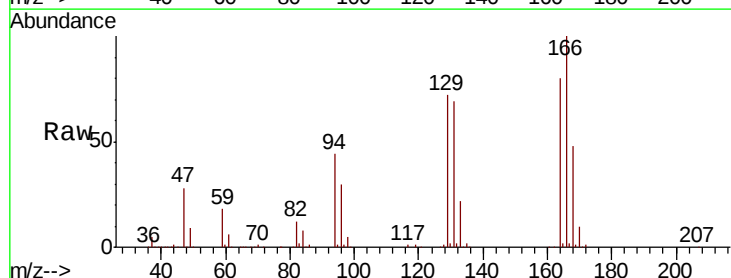


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

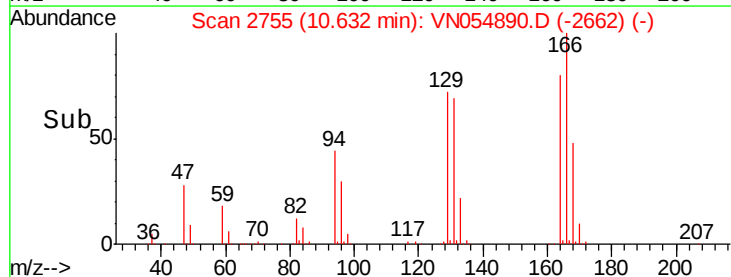
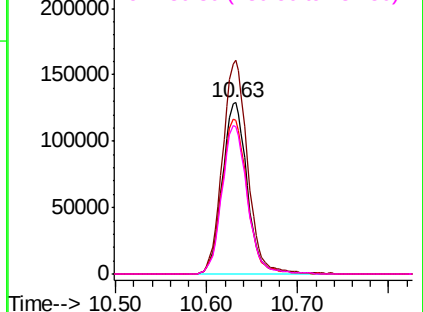


#64
Tetrachloroethene
Concen: 49.876 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion:164 Resp: 244820
Ion Ratio Lower Upper
164 100
166 124.9 103.9 155.9
129 89.6 71.1 106.7
131 86.1 68.2 102.4



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

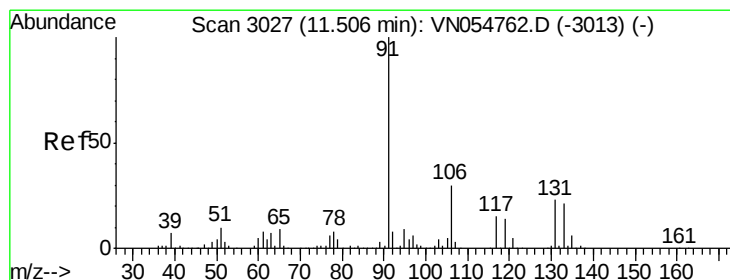
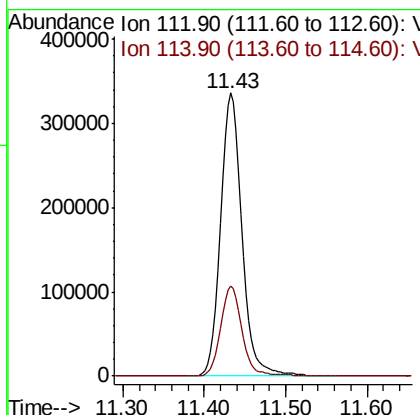
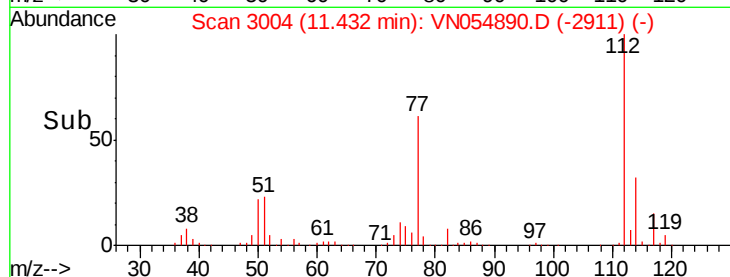
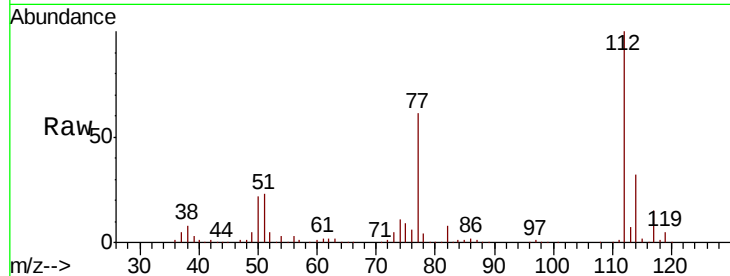




#65
Chlorobenzene
Concen: 49.986 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

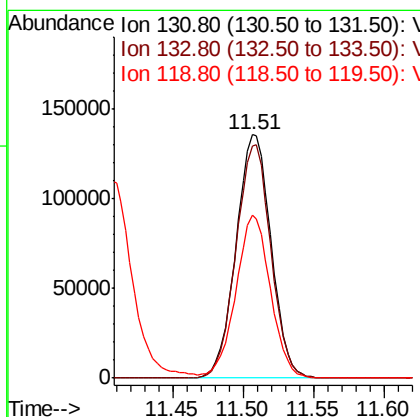
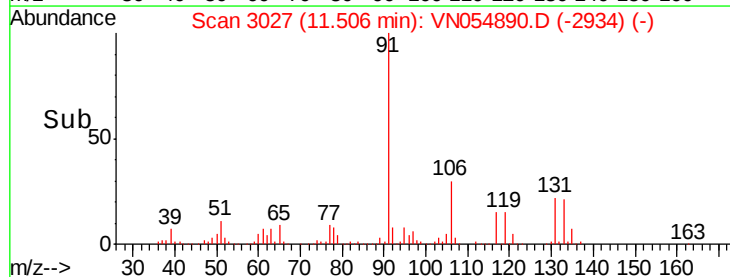
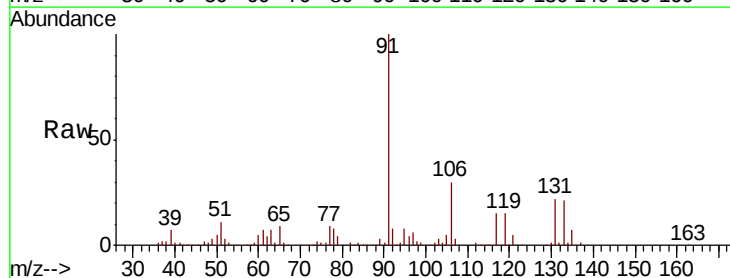
Instrument :
MSVOA_N
ClientSampled :

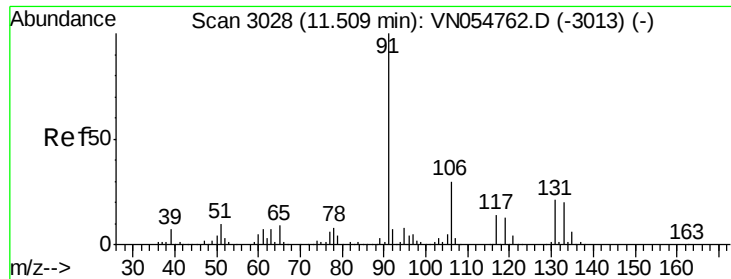
Tot Ion:112 Resp: 626011
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.488 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion:131 Resp: 236670
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.9
119 66.2 32.4 97.0

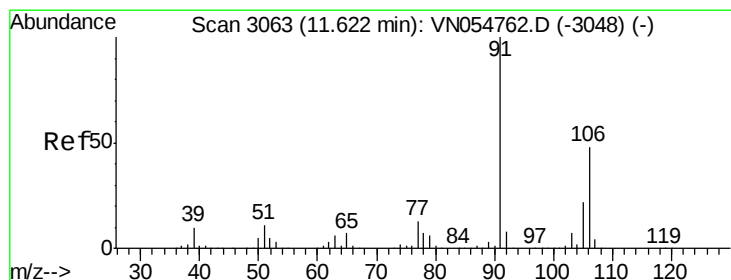
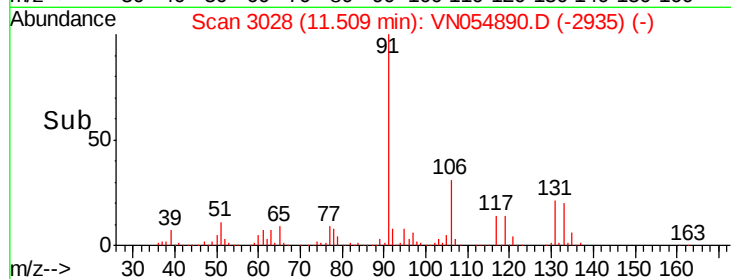
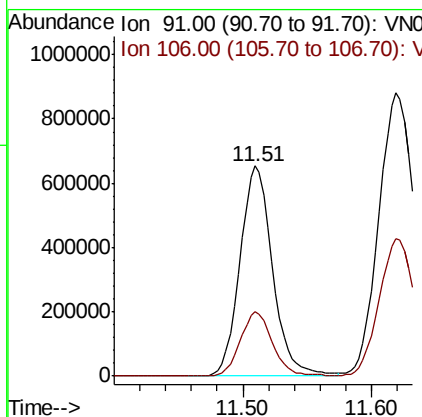
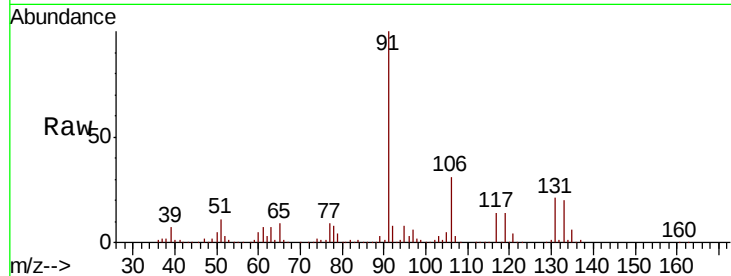




#67
Ethyl Benzene
Concen: 50.851 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

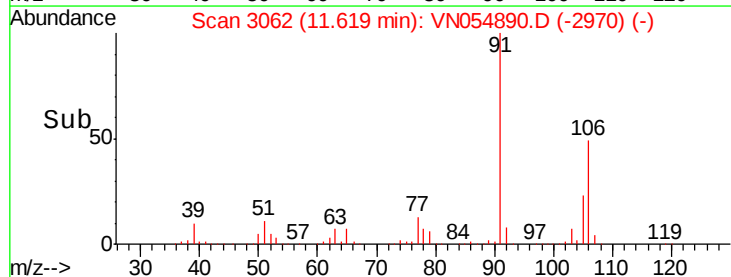
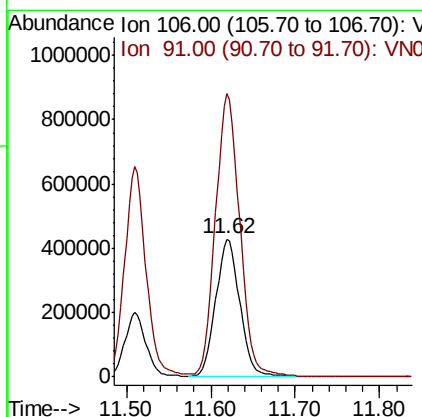
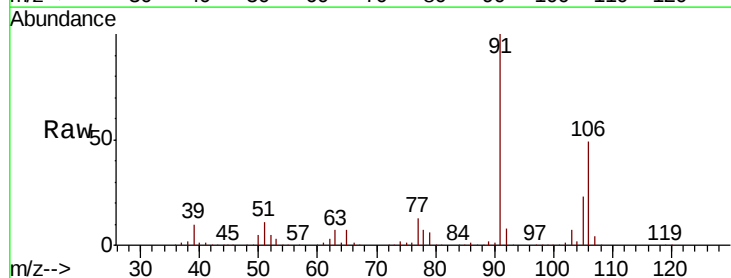
Instrument :
MSVOA_N
ClientSampled :

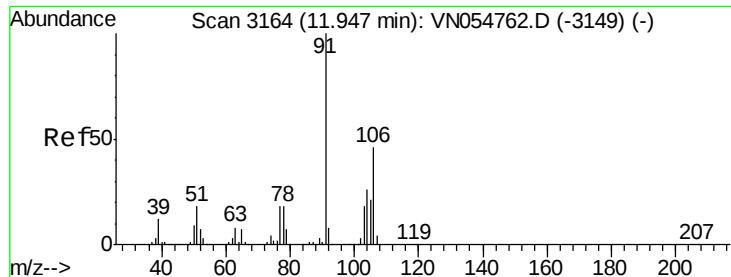
Tot Ion: 91 Resp: 1149225
Ion Ratio Lower Upper
91 100
106 30.5 25.5 38.3



#68
m/p-Xylenes
Concen: 101.973 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 106 Resp: 852832
Ion Ratio Lower Upper
106 100
91 207.6 159.4 239.2

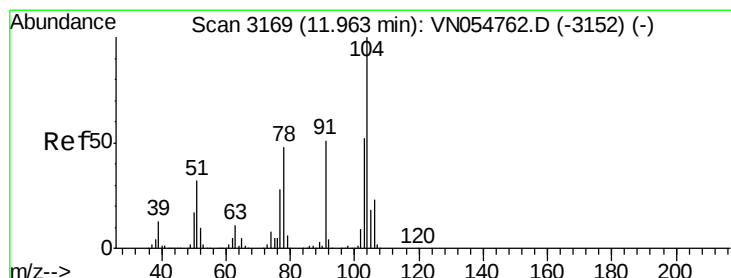
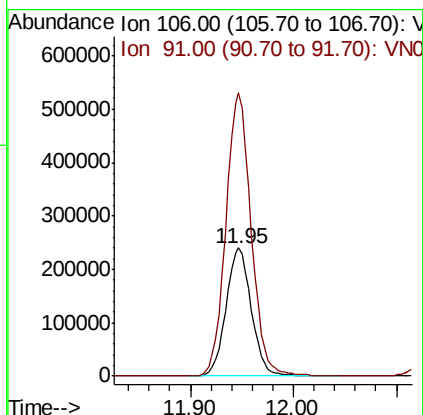
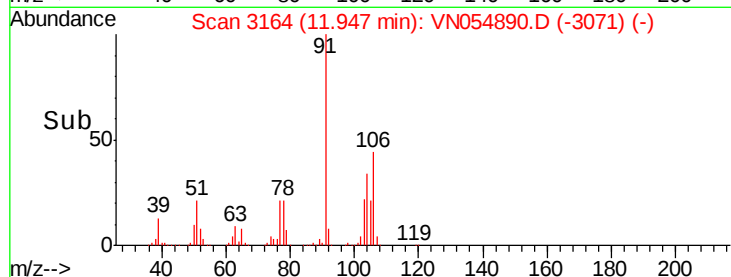
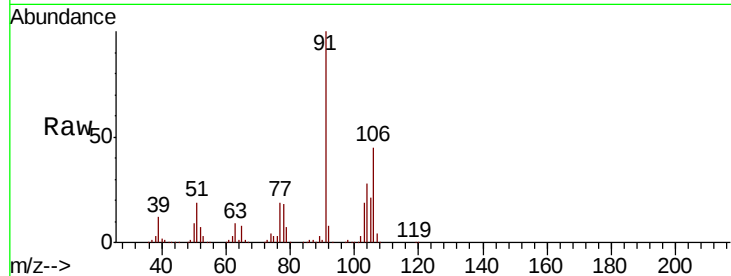




#69
o-Xylene
Concen: 49.905 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

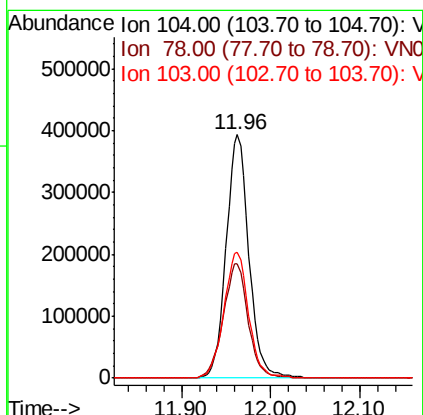
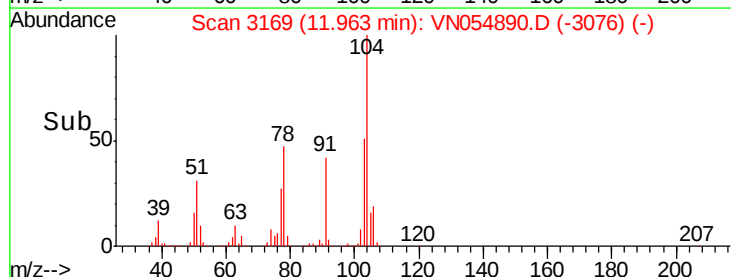
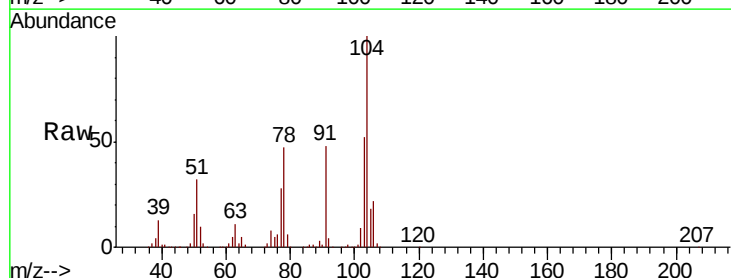
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 409271
Ion Ratio Lower Upper
106 100
91 221.1 105.7 317.1



#70
Styrene
Concen: 52.810 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion:104 Resp: 692492
Ion Ratio Lower Upper
104 100
78 51.5 38.2 57.2
103 56.5 44.4 66.6





#71

Bromoform

Concen: 53.344 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampled :

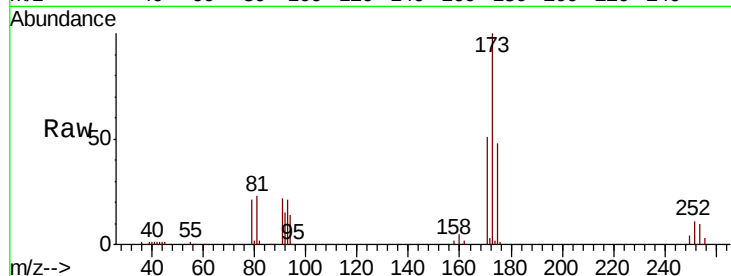
Tot Ion:173 Resp: 146493

Ion Ratio Lower Upper

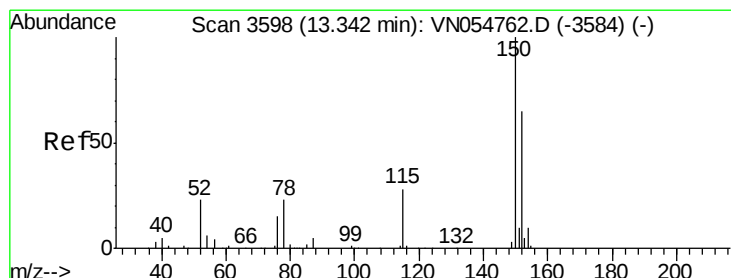
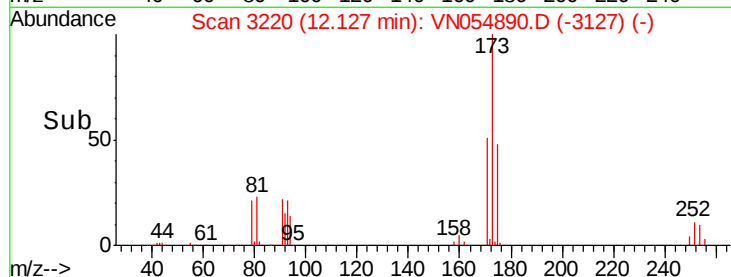
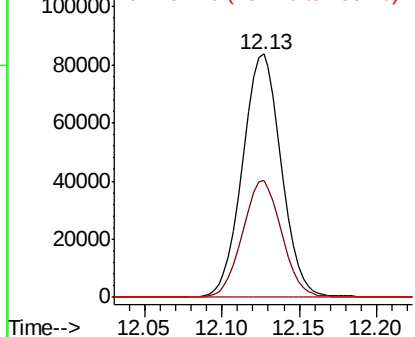
173 100

175 48.6 24.4 73.2

254 0.1 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: VN054890.D

Acq: 2 Apr 2019 9:31

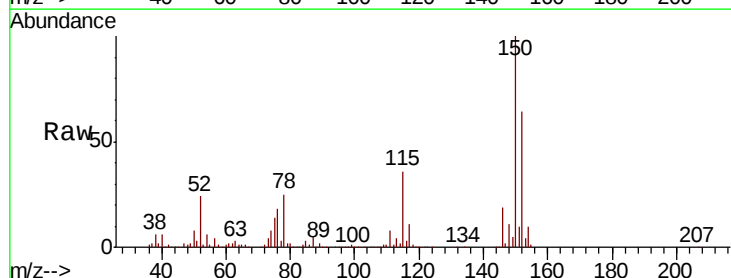
Tgt Ion:152 Resp: 291740

Ion Ratio Lower Upper

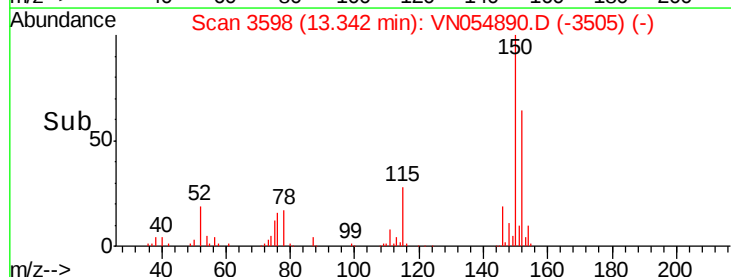
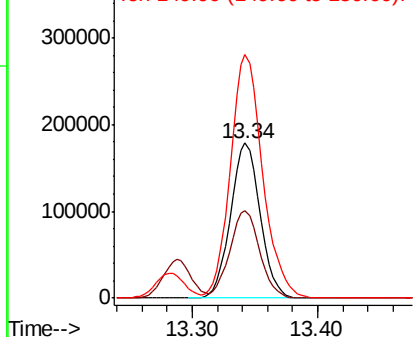
152 100

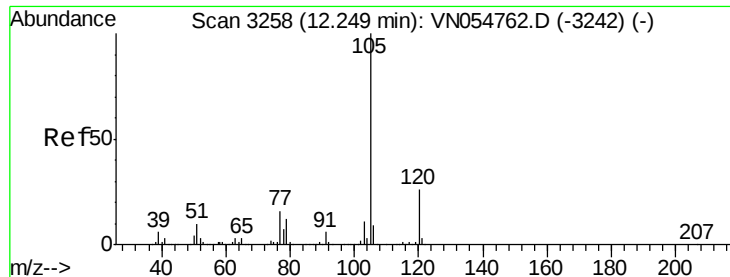
115 57.2 27.2 81.6

150 171.4 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: 46.140 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

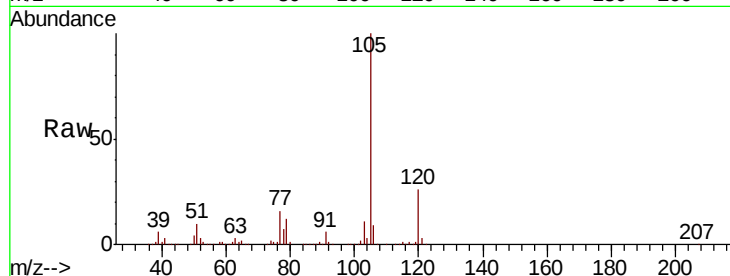
ClientSampleId :

Tot Ion:105 Resp: 1100227

Ion Ratio Lower Upper

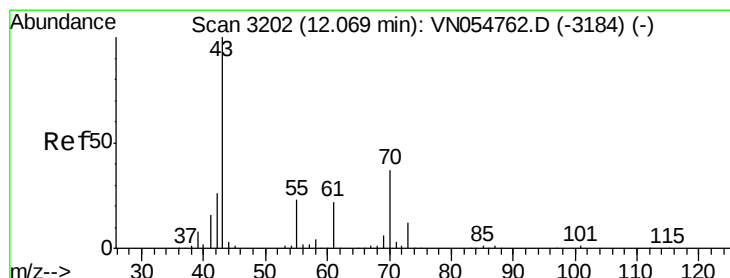
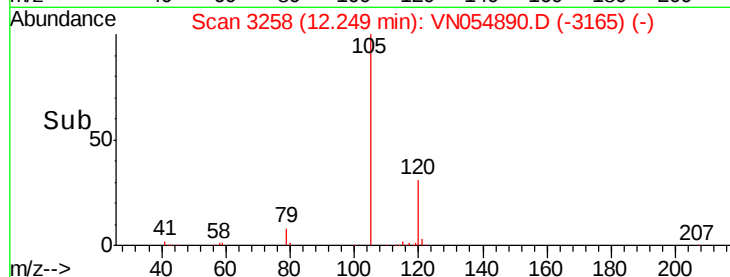
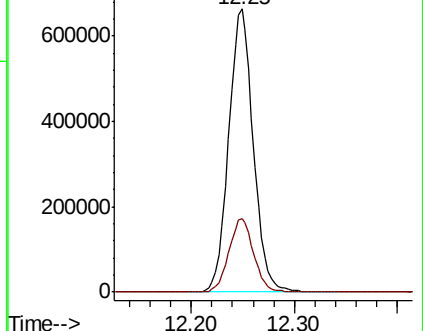
105 100

120 26.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.518 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Tgt Ion: 43 Resp: 353010

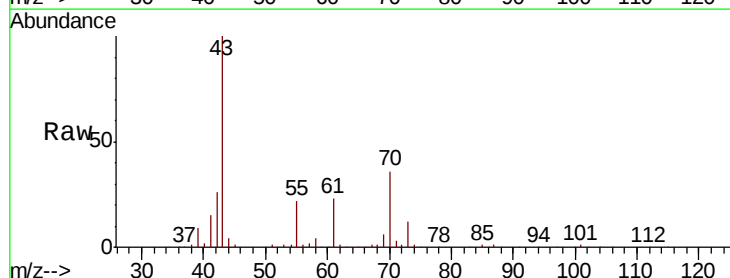
Ion Ratio Lower Upper

43 100

70 36.5 35.4 53.0

55 22.8 19.8 29.6

61 22.2 19.8 29.6

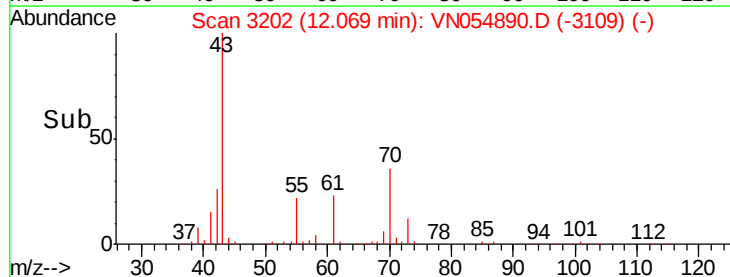
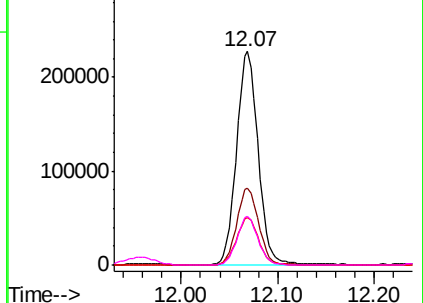


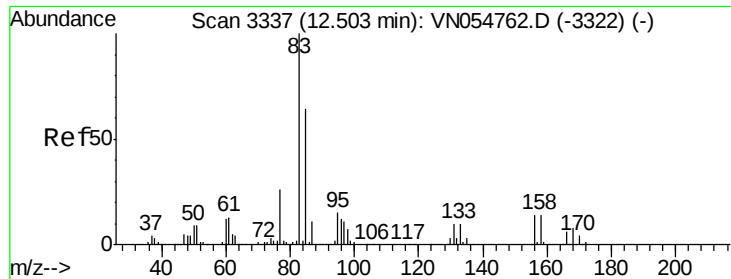
Abundance Ion 43.00 (42.70 to 43.70): VN0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 51.250 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

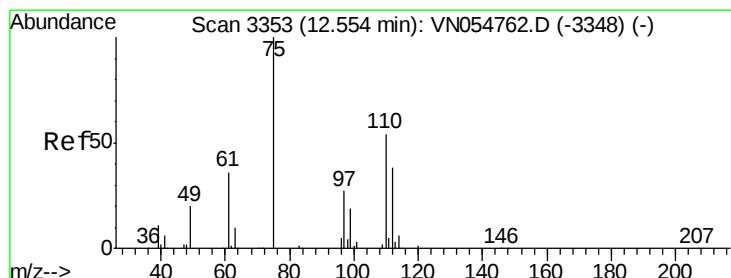
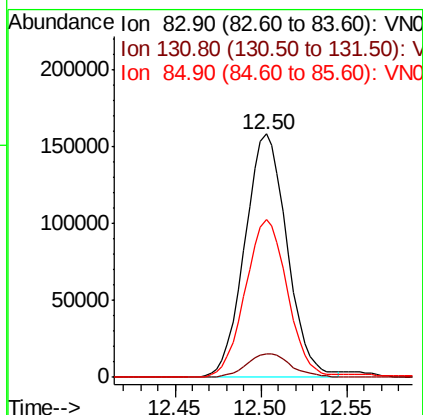
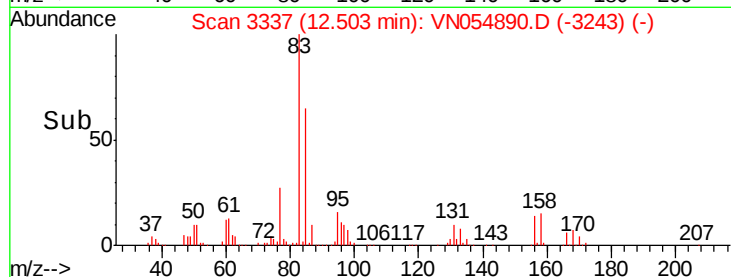
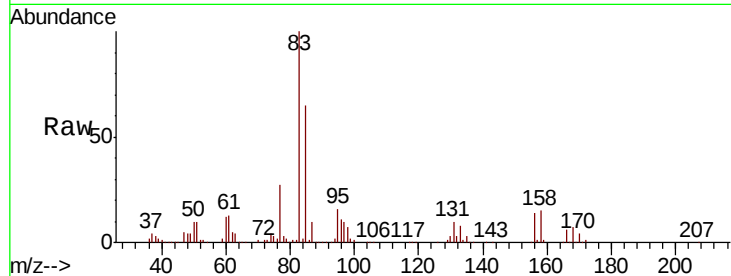
Tot Ion: 83 Resp: 269177

Ion Ratio Lower Upper

83 100

131 10.1 5.8 17.4

85 64.6 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 63.307 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054890.D

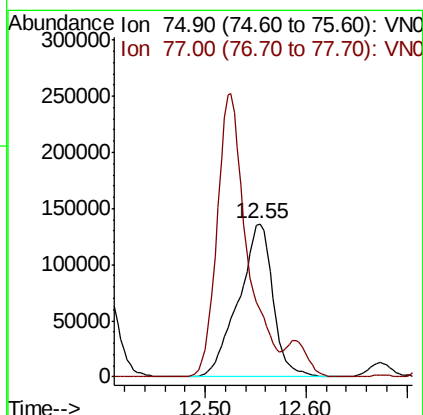
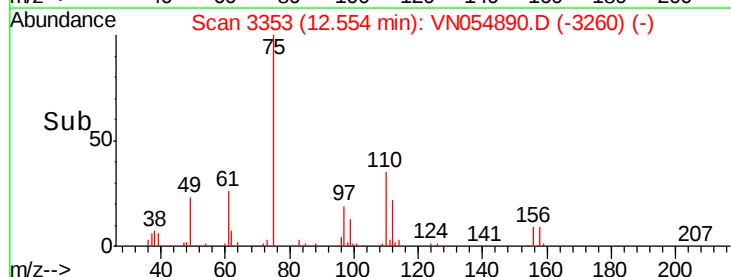
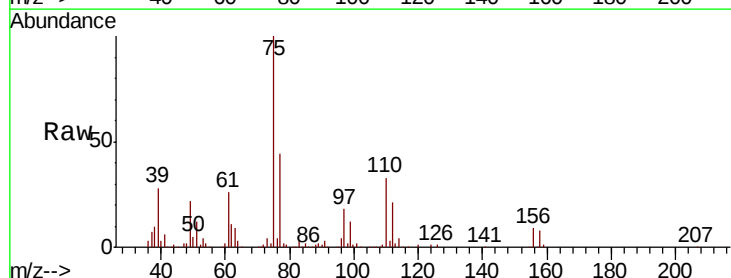
Acq: 2 Apr 2019 9:31

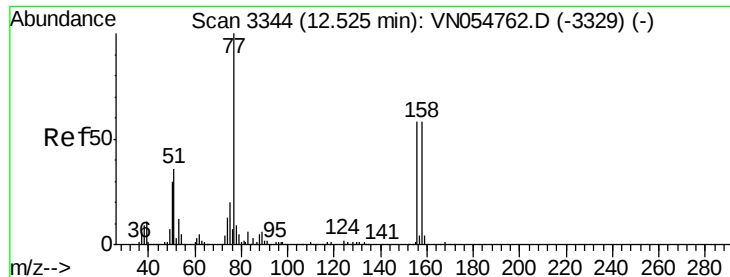
Tgt Ion: 75 Resp: 320854

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.230 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampled :

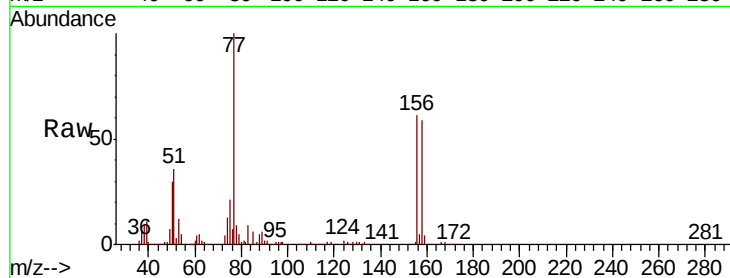
Tot Ion:156 Resp: 271812

Ion Ratio Lower Upper

156 100

77 192.1 81.5 244.4

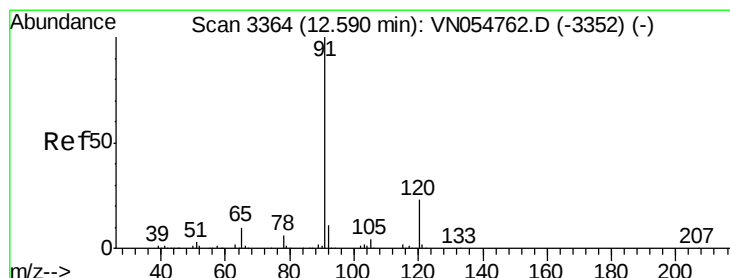
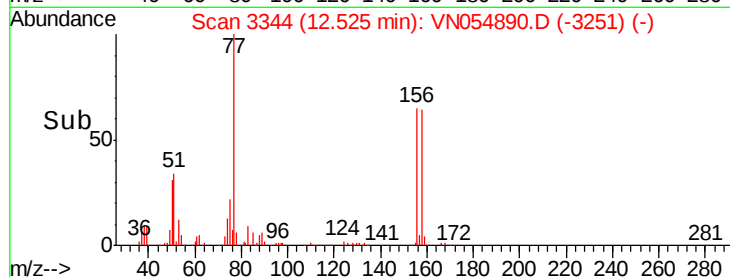
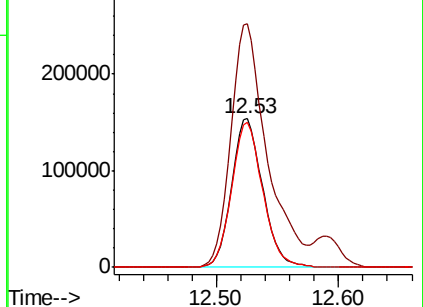
158 97.9 49.0 147.2



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: 48.252 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054890.D

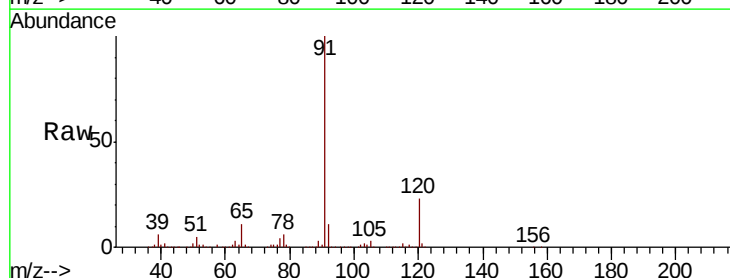
Acq: 2 Apr 2019 9:31

Tgt Ion: 91 Resp: 1264624

Ion Ratio Lower Upper

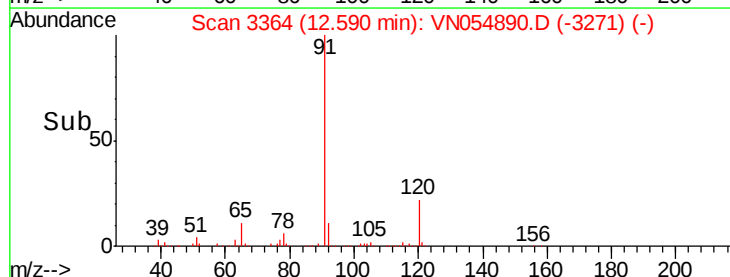
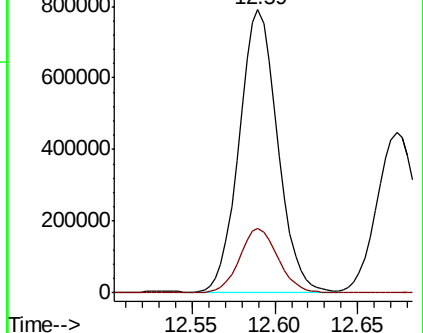
91 100

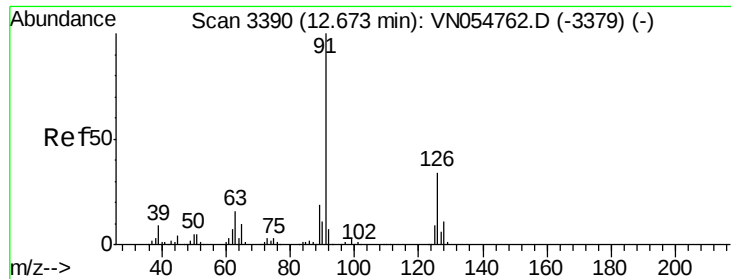
120 23.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.768 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

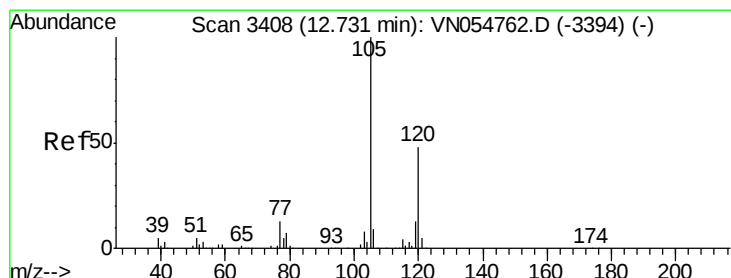
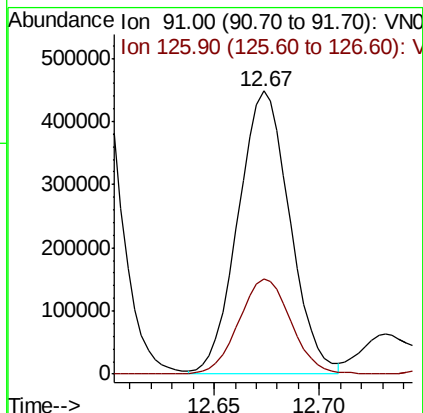
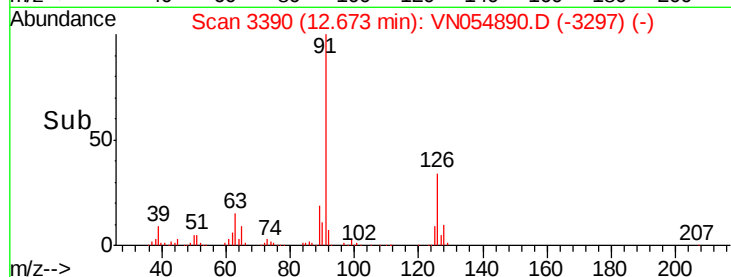
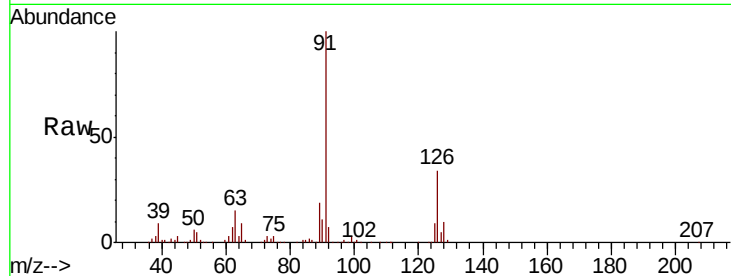
ClientSampled :

Tot Ion: 91 Resp: 758329

Ion Ratio Lower Upper

91 100

126 34.2 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 47.396 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054890.D

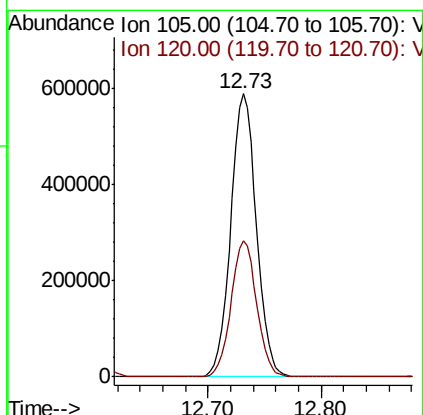
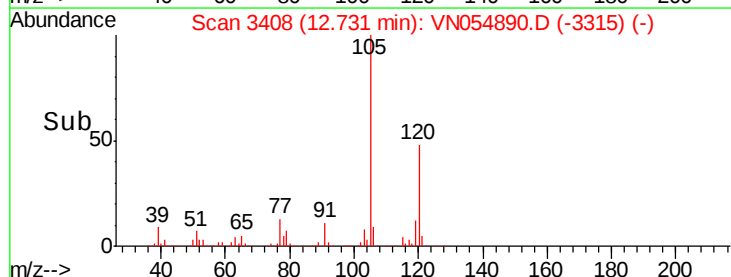
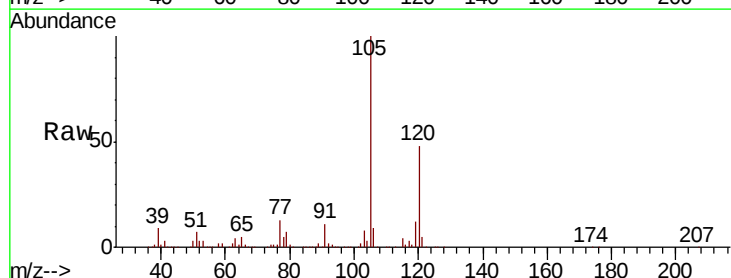
Acq: 2 Apr 2019 9:31

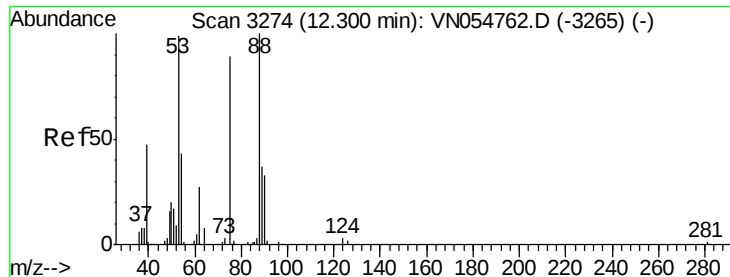
Tgt Ion: 105 Resp: 927359

Ion Ratio Lower Upper

105 100

120 48.2 25.0 75.0

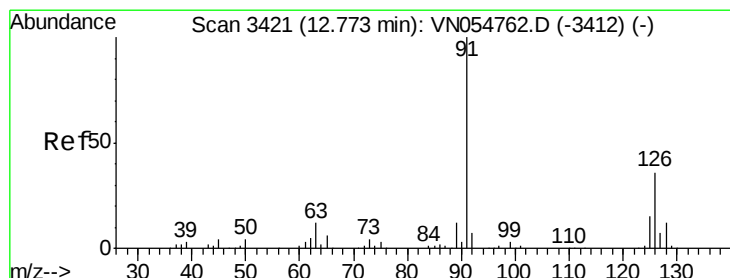
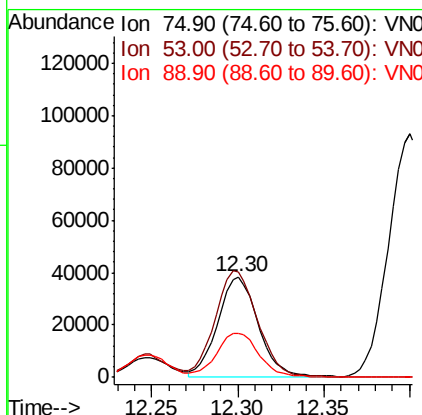
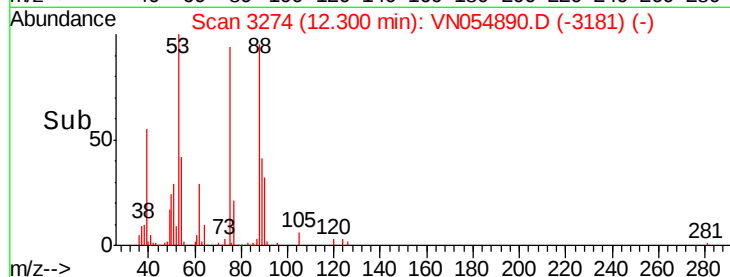
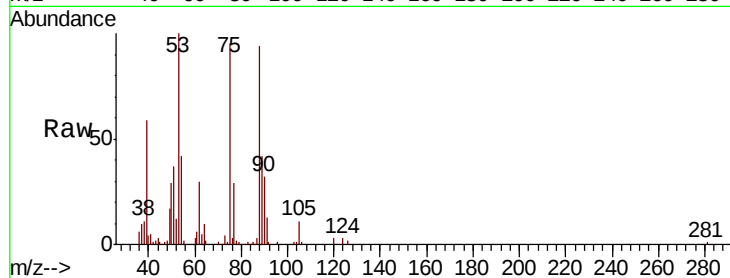




#81
trans-1,4-Dichloro-2-butene
Concen: 48.586 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

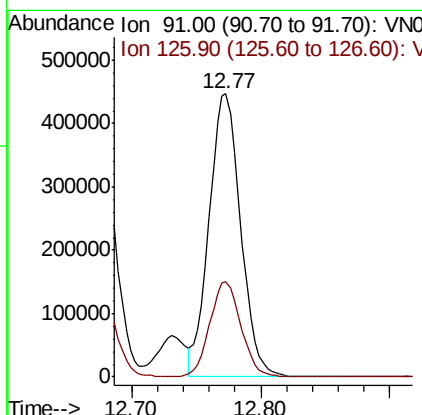
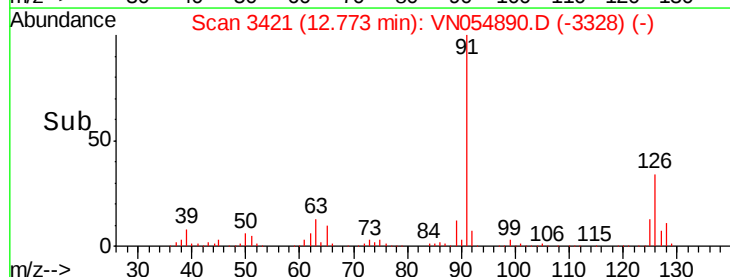
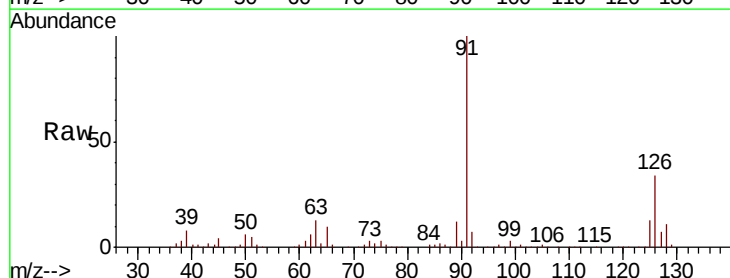
Instrument :
MSVOA_N
ClientSampled :

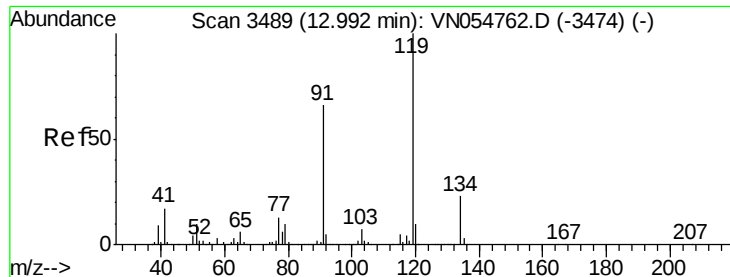
Tot Ion: 75 Resp: 63306
Ion Ratio Lower Upper
75 100
53 111.7 76.2 114.2
89 45.7 39.2 58.8



#82
4-Chlorotoluene
Concen: 48.031 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 91 Resp: 756444
Ion Ratio Lower Upper
91 100
126 33.4 18.1 54.1

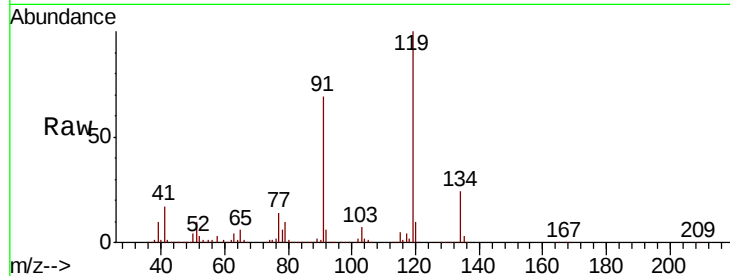




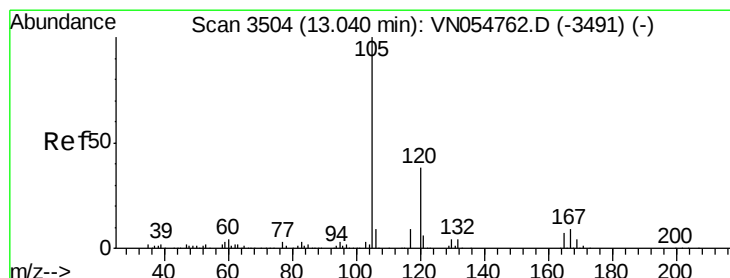
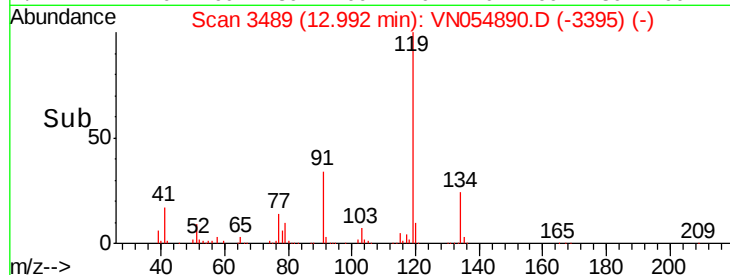
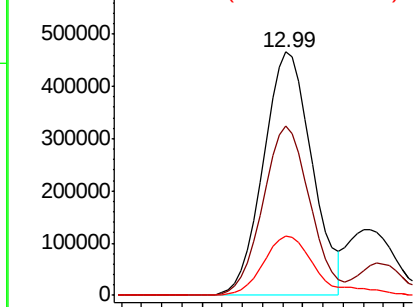
#83
tert-Butylbenzene
Concen: 51.446 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 779021
Ion Ratio Lower Upper
119 100
91 67.8 30.9 92.8
134 26.6 13.2 39.6

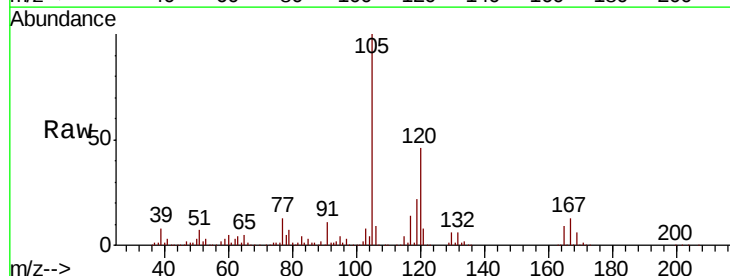


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

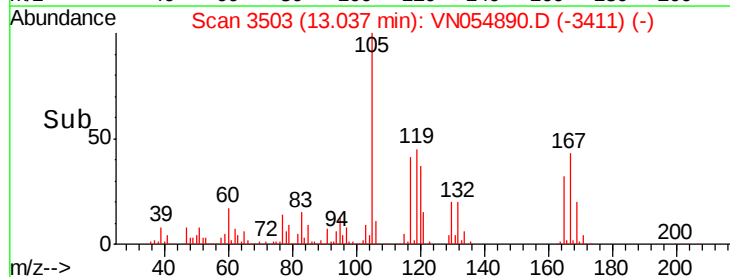
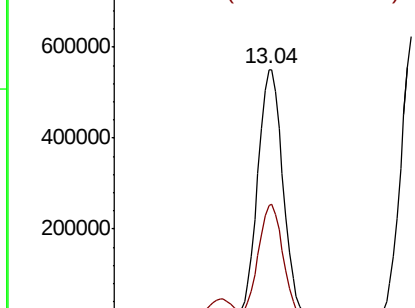


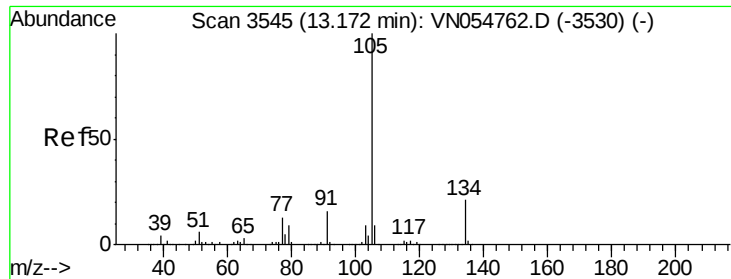
#84
1,2,4-Trimethylbenzene
Concen: 48.767 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion:105 Resp: 909055
Ion Ratio Lower Upper
105 100
120 45.5 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: 48.349 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

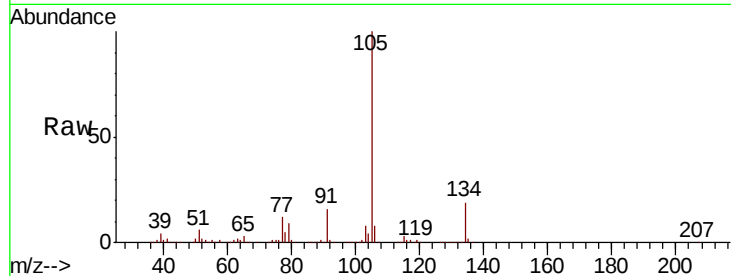
ClientSampleId :

Tot Ion:105 Resp: 1027649

Ion Ratio Lower Upper

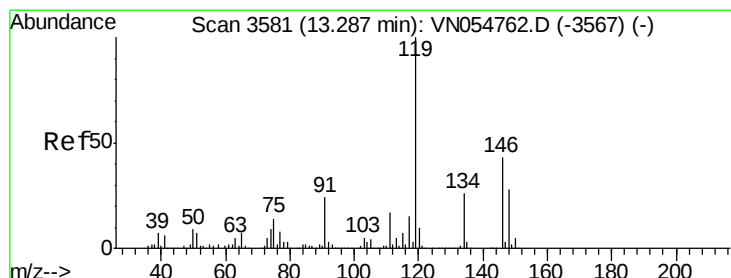
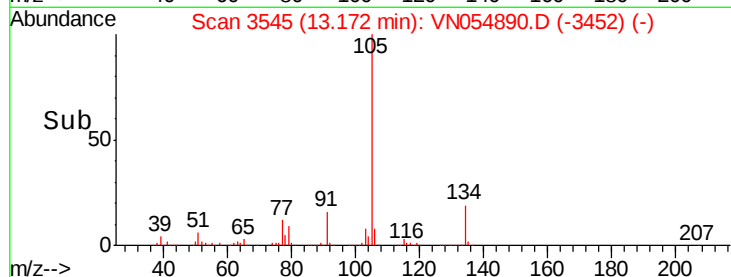
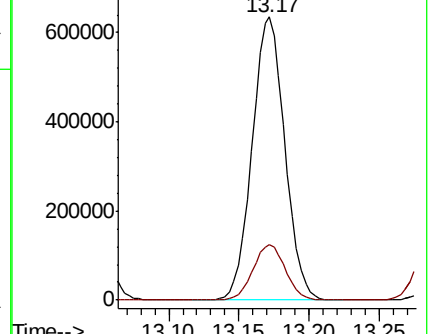
105 100

134 19.6 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.706 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

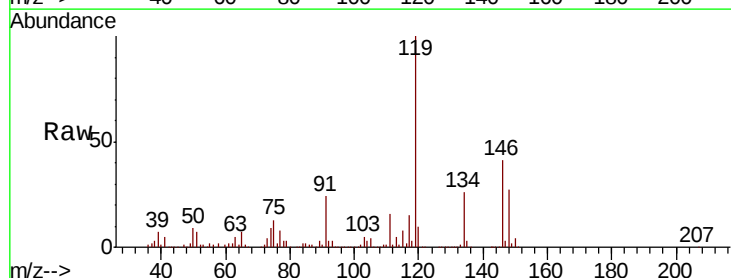
Tgt Ion:119 Resp: 913083

Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

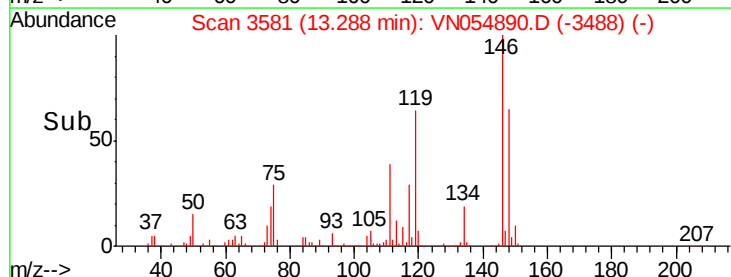
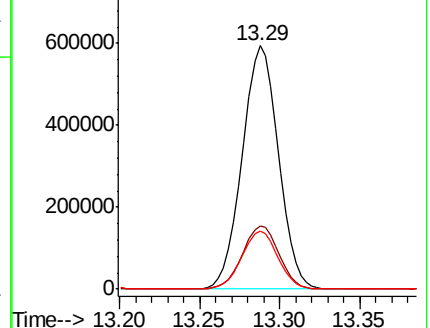
91 23.7 11.1 33.3

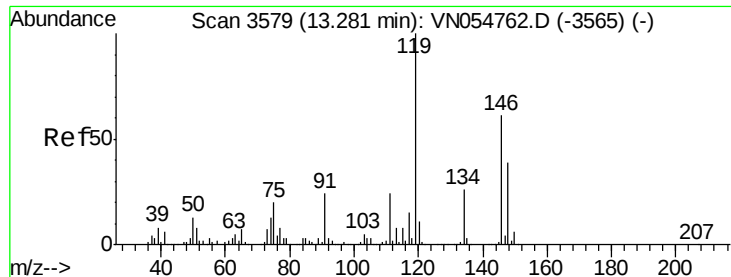


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

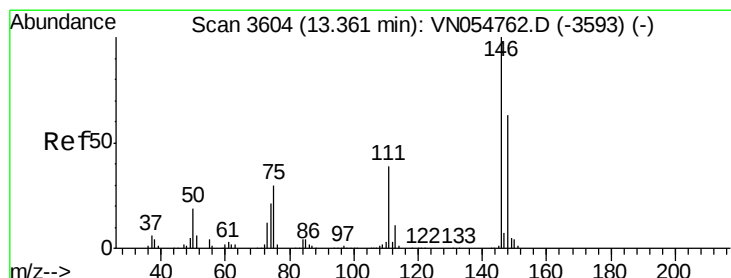
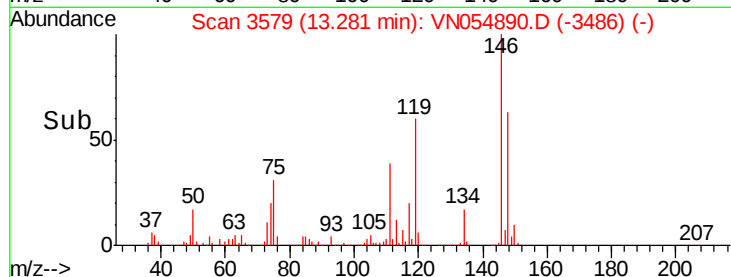
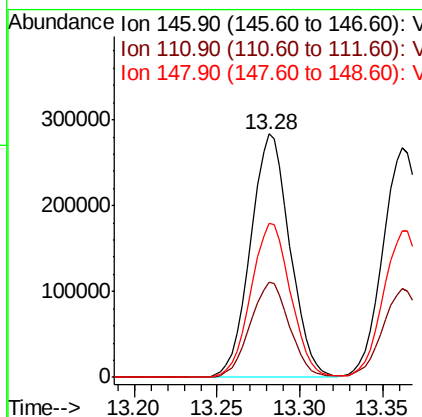
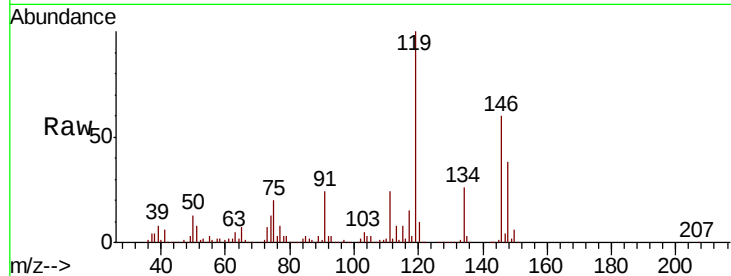




#87
 1,3-Dichlorobenzene
 Concen: 48.454 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

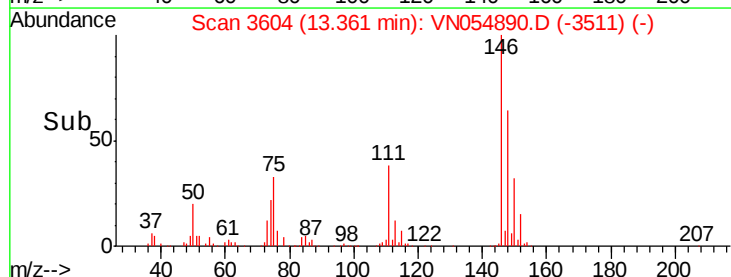
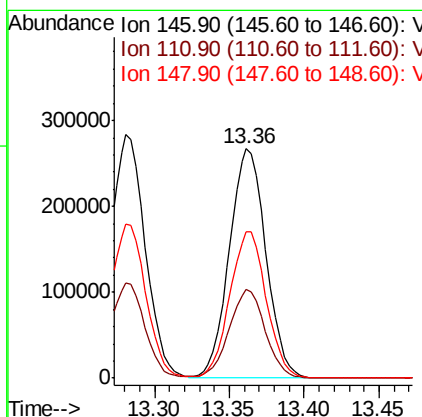
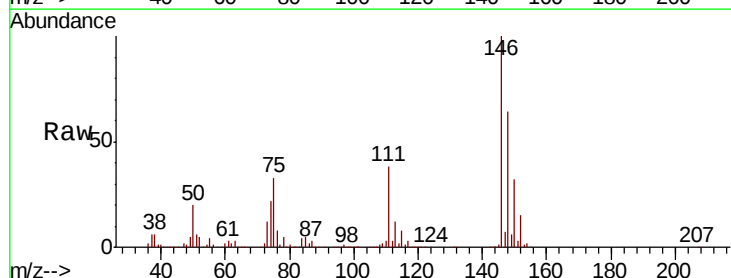
Instrument :
 MSVOA_N
 ClientSampled :

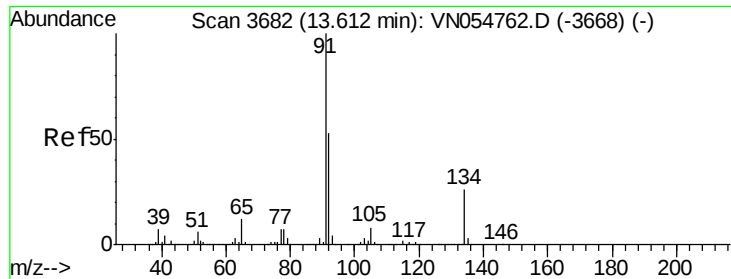
Tot Ion:146 Resp: 466871
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.8 56.3
 148 63.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 48.005 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion:146 Resp: 453661
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.1 54.1
 148 64.1 32.0 96.0





#89

n-Butylbenzene

Concen: 50.238 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

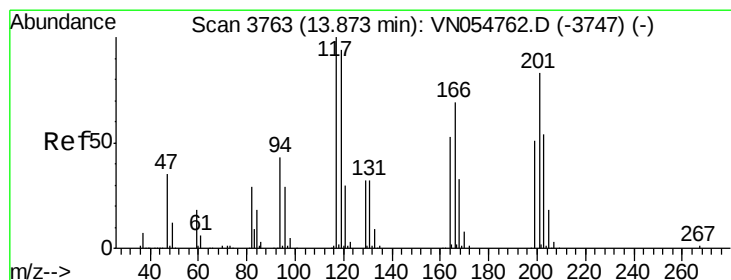
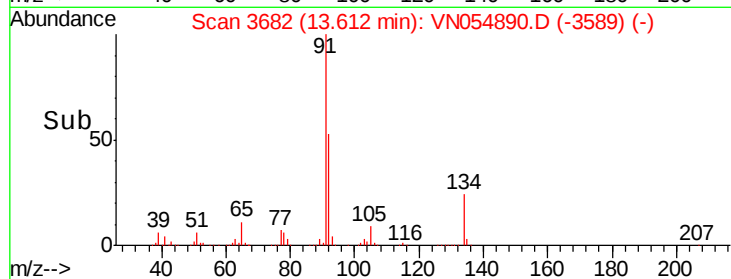
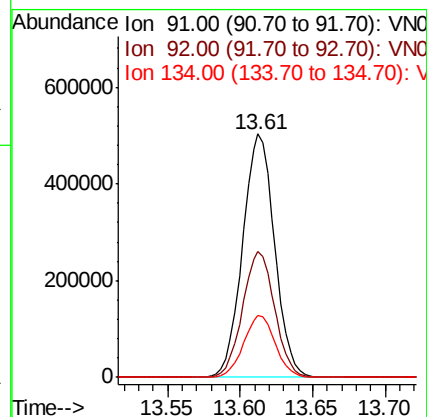
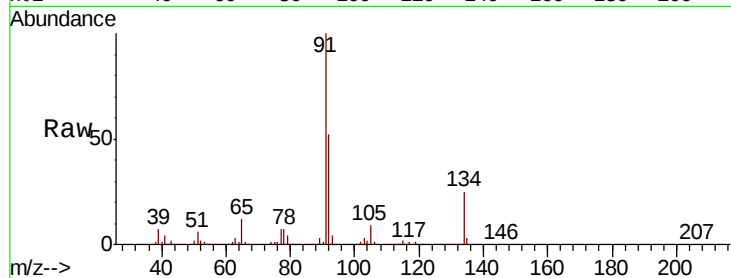
Tot Ion: 91 Resp: 768392

Ion Ratio Lower Upper

91 100

92 52.0 26.2 78.6

134 25.3 14.3 42.9



#90

Hexachloroethane

Concen: 48.191 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054890.D

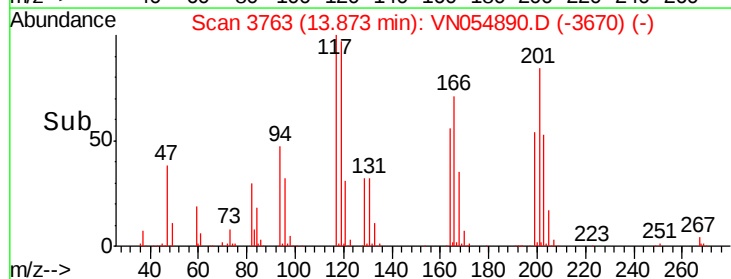
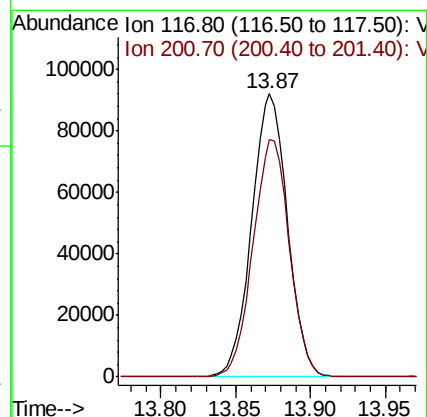
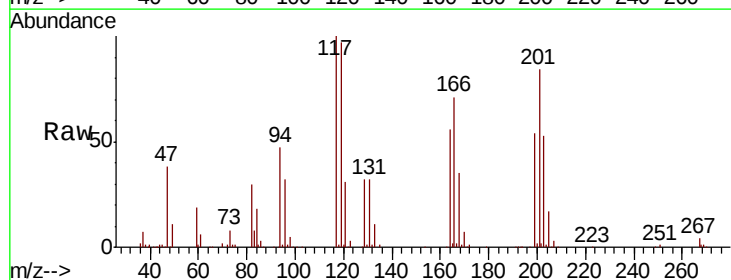
Acq: 2 Apr 2019 9:31

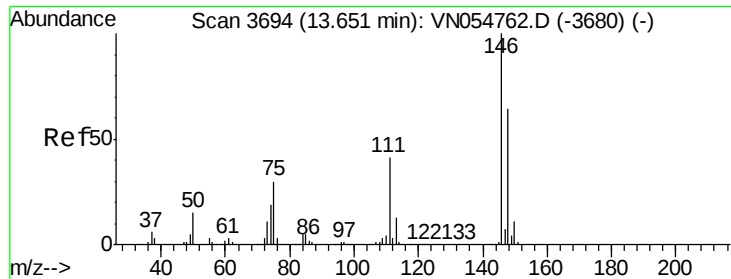
Tgt Ion: 117 Resp: 153385

Ion Ratio Lower Upper

117 100

201 85.2 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 47.223 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

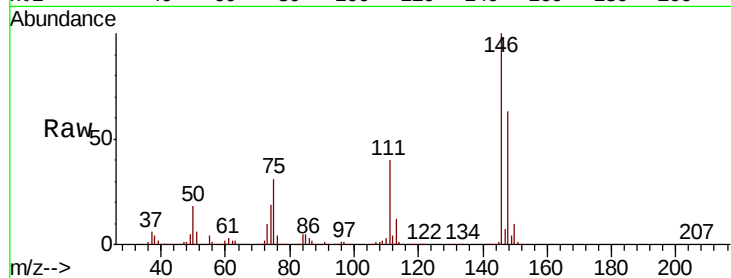
Tot Ion:146 Resp: 459209

Ion Ratio Lower Upper

146 100

111 40.6 19.1 57.3

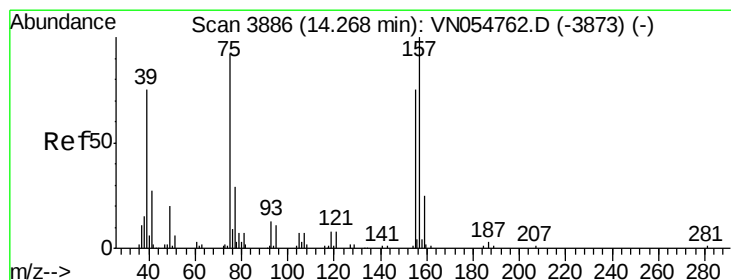
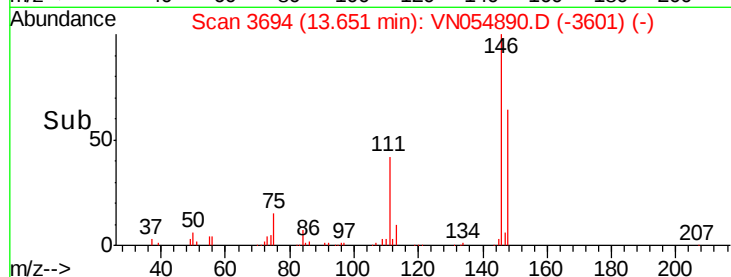
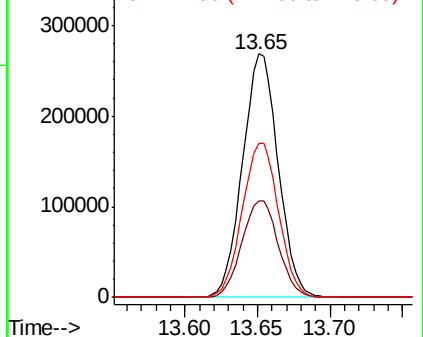
148 64.5 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.622 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

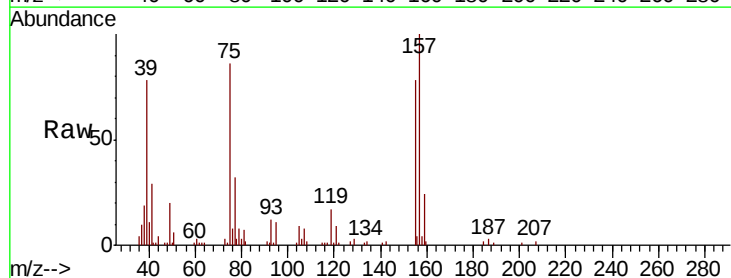
Tgt Ion: 75 Resp: 38821

Ion Ratio Lower Upper

75 100

155 85.4 50.1 150.3

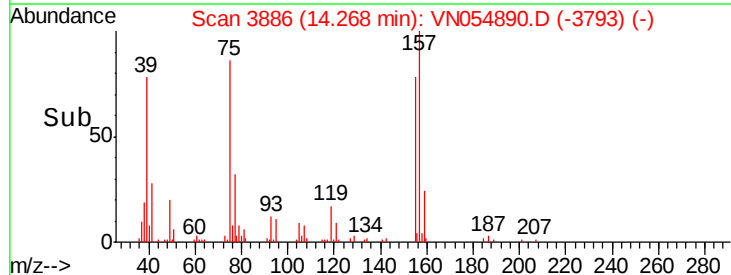
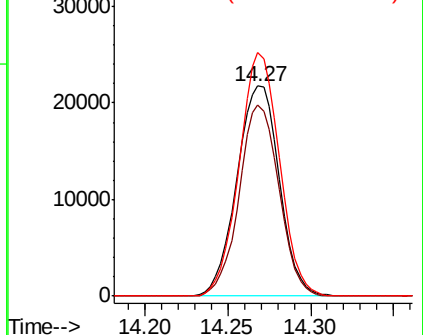
157 109.8 63.1 189.3

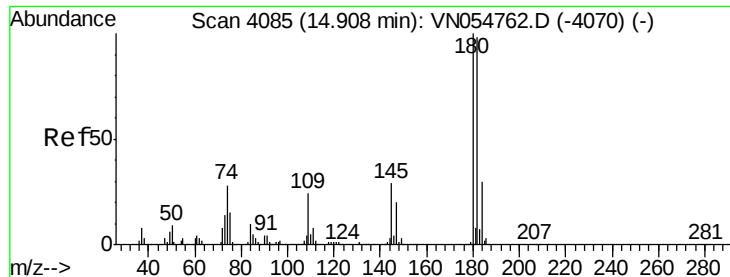


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

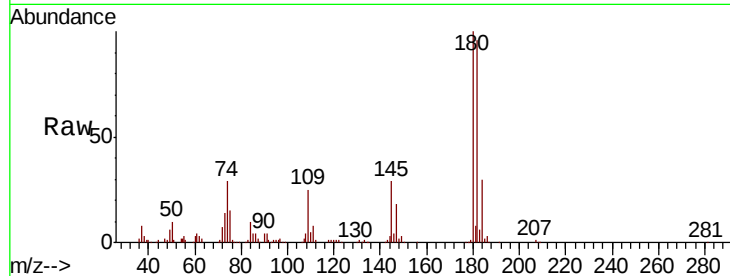




#93
 1,2,4-Trichlorobenzene
 Concen: 48.828 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.2
145	29.5	14.2	42.8

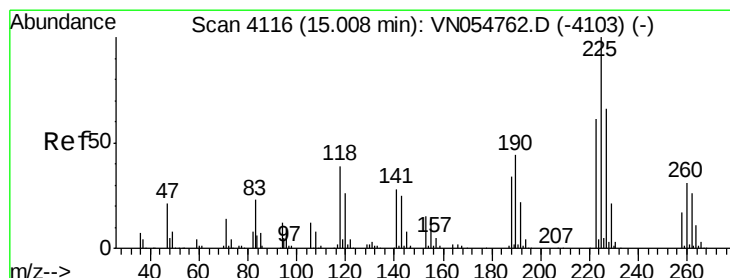
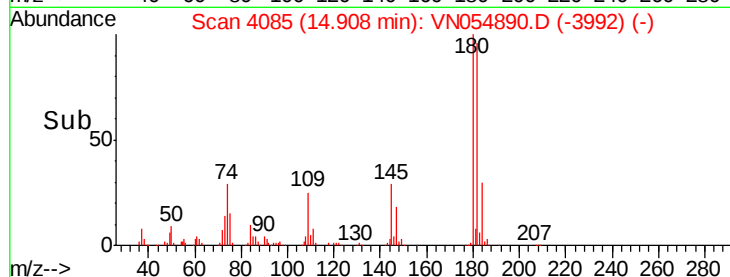
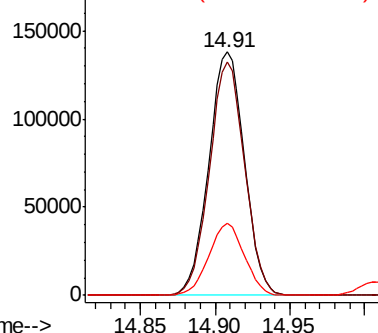


Abundance

Ion 179.80 (179.50 to 180.50): V

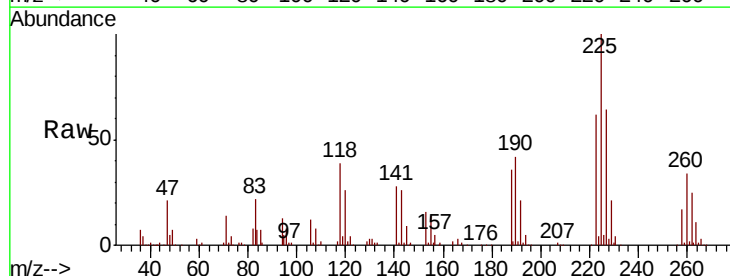
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.403 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.1	93.5
227	63.7	31.9	95.9

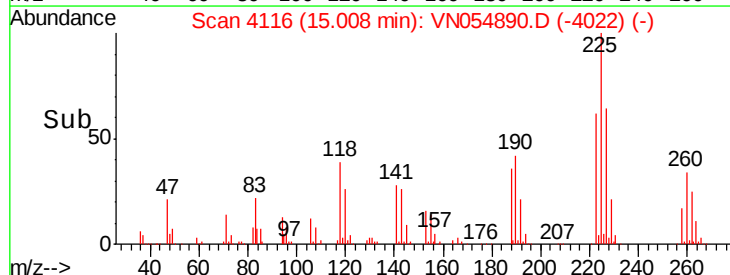
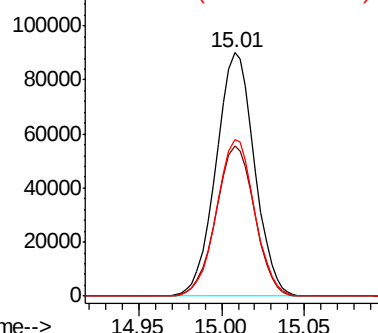


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

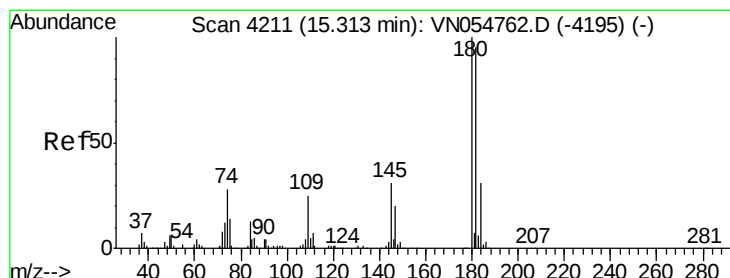
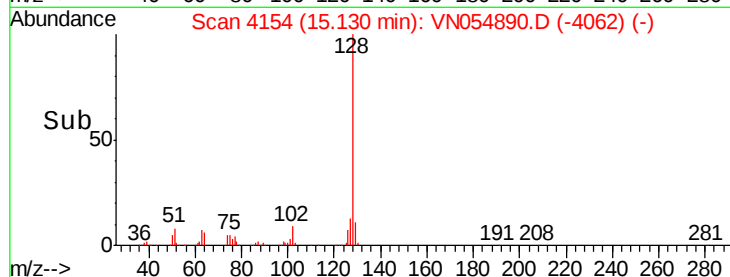
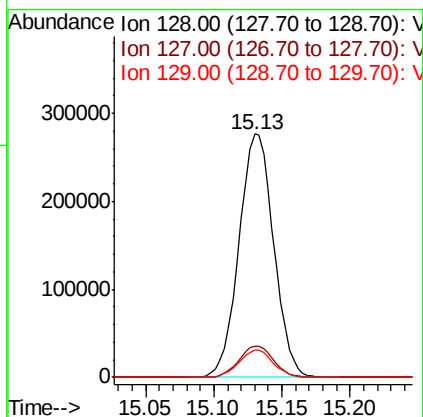
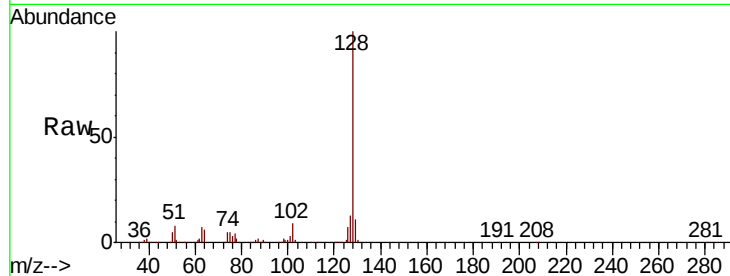




#95
Naphthalene
Concen: 46.402 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 487900
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.009 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion:180 Resp: 227306
Ion Ratio Lower Upper
180 100
182 95.2 47.5 142.6
145 31.1 14.8 44.3

