

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054638.D
 Acq On : 24 Mar 2019 10:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 06:08:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	468128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	742805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	648232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	292430	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	290518	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
35) Dibromofluoromethane	7.59	113	232132	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
50) Toluene-d8	10.09	98	870209	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	12.40	95	303764	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	225465	50.381	ug/l	98
3) Chloromethane	2.06	50	294036	48.291	ug/l	100
4) Vinyl Chloride	2.19	62	280434	45.874	ug/l	98
5) Bromomethane	2.57	94	155405	39.314	ug/l	99
6) Chloroethane	2.71	64	158338	43.183	ug/l	99
7) Trichlorofluoromethane	3.02	101	350425	47.202	ug/l	99
8) Diethyl Ether	3.41	74	119995	42.027	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	196754	45.095	ug/l	92
10) Methyl Iodide	3.94	142	268735	41.871	ug/l #	89
11) Tert butyl alcohol	4.81	59	85877	243.607	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	184756	40.918	ug/l #	76
13) Acrolein	3.61	56	36533	75.096	ug/l	91
14) Allyl chloride	4.32	41	438849	51.614	ug/l #	91
15) Acrylonitrile	4.99	53	450472	256.601	ug/l	99
16) Acetone	3.82	43	492217	281.168	ug/l #	83
17) Carbon Disulfide	4.04	76	530817	43.876	ug/l	100
18) Methyl Acetate	4.33	43	200110	51.285	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	644067	48.876	ug/l	95
20) Methylene Chloride	4.54	84	241162	46.733	ug/l #	82
21) trans-1,2-Dichloroethene	5.03	96	226452	49.115	ug/l	85
22) Diisopropyl ether	5.96	45	885700	52.811	ug/l #	95
23) Vinyl Acetate	5.90	43	3178725	268.363	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	459038	50.834	ug/l	98
25) 2-Butanone	6.84	43	643498	286.951	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	331874	51.557	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	265003	48.188	ug/l	87
28) Bromochloromethane	7.19	49	232952	52.410	ug/l #	71
29) Tetrahydrofuran	7.22	42	382026	262.514	ug/l #	84
30) Chloroform	7.37	83	445403	50.542	ug/l	98
31) Cyclohexane	7.65	56	444481	51.422	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	364728	50.166	ug/l	94
36) 1,1-Dichloropropene	7.79	75	340039	48.960	ug/l	96
37) Ethyl Acetate	6.94	43	256598	51.946	ug/l	95
38) Carbon Tetrachloride	7.77	117	318082	47.128	ug/l	99

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

39) Methylcyclohexane	9.08	83	387220	48.740	ug/l	89
40) Benzene	8.04	78	976256	49.156	ug/l	100
41) Methacrylonitrile	7.17	41	153420	50.928	ug/l #	88
42) 1,2-Dichloroethane	8.12	62	358719	49.597	ug/l	96
43) Isopropyl Acetate	8.17	43	441408	52.911	ug/l #	92
44) Trichloroethene	8.83	130	260640	47.204	ug/l	90
45) 1,2-Dichloropropane	9.12	63	274019	51.382	ug/l	100
46) Dibromomethane	9.21	93	156258	49.115	ug/l	90
47) Bromodichloromethane	9.40	83	336115	50.905	ug/l	98
48) Methyl methacrylate	9.20	41	227905	50.333	ug/l	87
49) 1,4-Dioxane	9.20	88	48226	952.699	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	1236478	267.437	ug/l	93
52) Toluene	10.16	92	590682	48.357	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	326094	46.960	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	398199	52.597	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	217512	49.537	ug/l	95
56) Ethyl methacrylate	10.43	69	302591	51.344	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	384041	50.315	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	557842	229.869	ug/l	90
59) 2-Hexanone	10.75	43	835290	276.588	ug/l	91
60) Dibromochloromethane	10.90	129	237067	50.739	ug/l	98
61) 1,2-Dibromoethane	11.00	107	214475	49.408	ug/l	100
64) Tetrachloroethene	10.63	164	253574	47.161	ug/l	95
65) Chlorobenzene	11.43	112	637963	48.388	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	236186	49.910	ug/l	99
67) Ethyl Benzene	11.51	91	1148096	49.297	ug/l	98
68) m/p-Xylenes	11.62	106	854644	96.884	ug/l	94
69) o-Xylene	11.95	106	413863	48.040	ug/l	95
70) Styrene	11.96	104	697419	49.851	ug/l	96
71) Bromoform	12.13	173	143961	44.386	ug/l #	99
73) Isopropylbenzene	12.25	105	1106730	46.966	ug/l	98
74) N-amyl acetate	12.07	43	363788	53.690	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	270964	50.372	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	323931	69.806	ug/l #	100
77) Bromobenzene	12.53	156	273728	46.836	ug/l	86
78) n-propylbenzene	12.59	91	1253991	49.075	ug/l	97
79) 2-Chlorotoluene	12.67	91	752755	47.241	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	915013	47.378	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58937	44.179	ug/l #	80
82) 4-Chlorotoluene	12.77	91	757772	49.061	ug/l	95
83) tert-Butylbenzene	12.99	119	798246	47.483	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	907983	47.913	ug/l	98
85) sec-Butylbenzene	13.17	105	1007566	48.079	ug/l	98
86) p-Isopropyltoluene	13.29	119	914022	48.751	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	473416	48.881	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	454727	48.256	ug/l	98
89) n-Butylbenzene	13.61	91	759465	51.804	ug/l	98
90) Hexachloroethane	13.87	117	142057	48.812	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	453731	48.368	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39642	50.243	ug/l	86

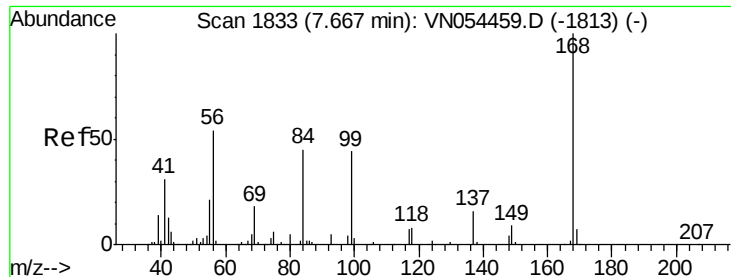
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	239165	51.143	ug/l	98
94) Hexachlorobutadiene	15.01	225	152076	58.291	ug/l	99
95) Naphthalene	15.13	128	502957	48.218	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	226911	48.753	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: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

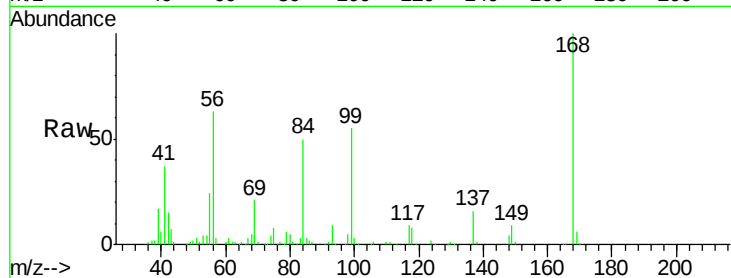
ClientSampled :

Tot Ion:168 Resp: 468128

Ion Ratio Lower Upper

168 100

99 54.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

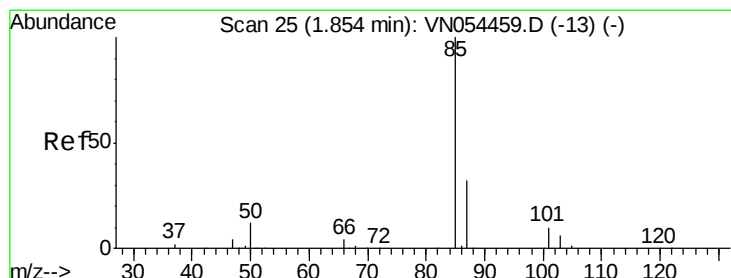
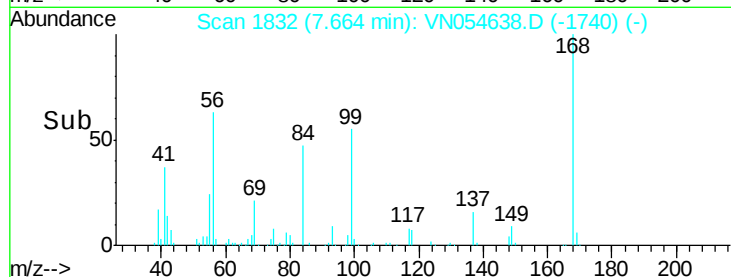
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 50.381 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054638.D

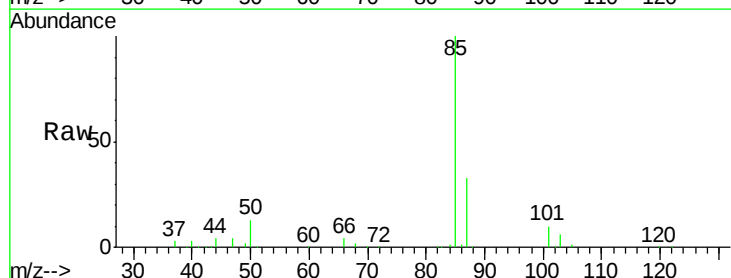
Acq: 24 Mar 2019 10:32

Tgt Ion: 85 Resp: 225465

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

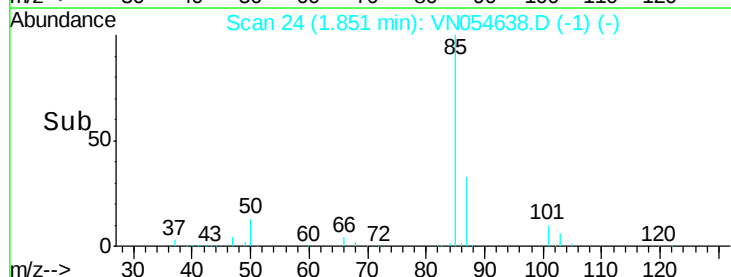
150000

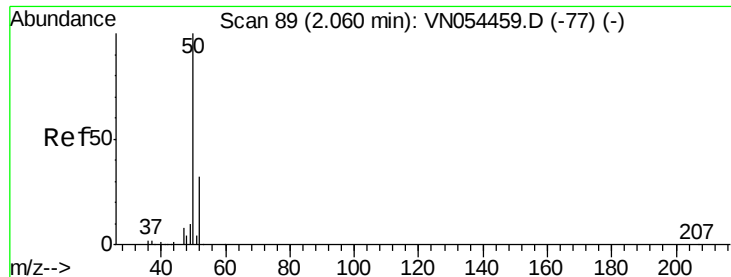
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 48.291 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

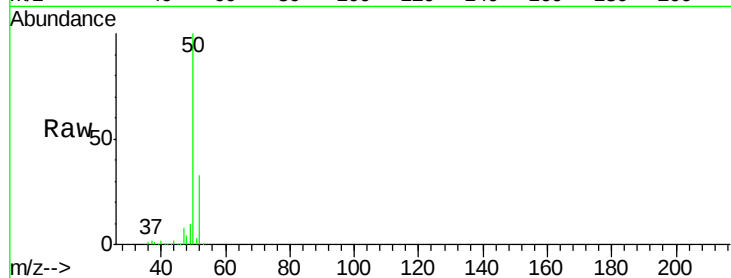
ClientSampled :

Tot Ion: 50 Resp: 294036

Ion Ratio Lower Upper

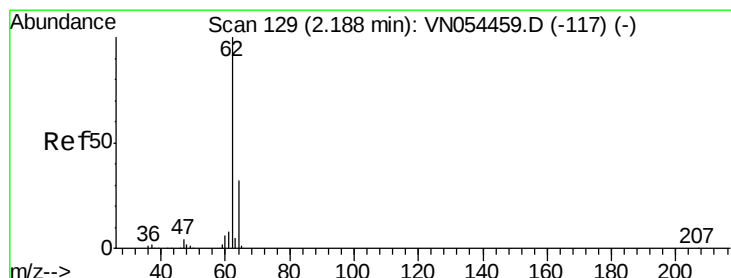
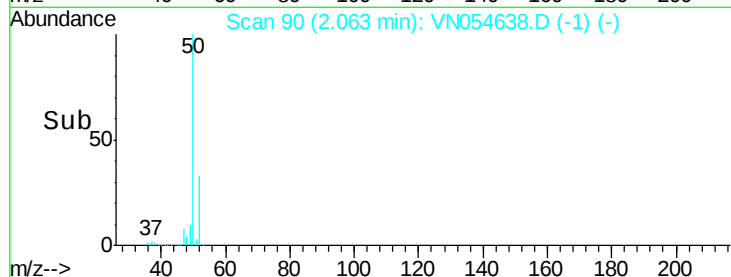
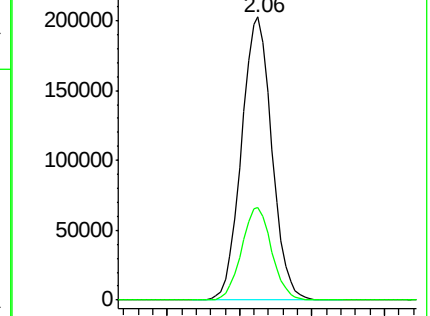
50 100

52 32.9 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.874 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054638.D

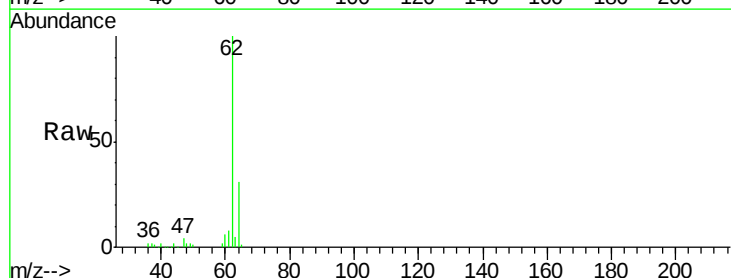
Acq: 24 Mar 2019 10:32

Tgt Ion: 62 Resp: 280434

Ion Ratio Lower Upper

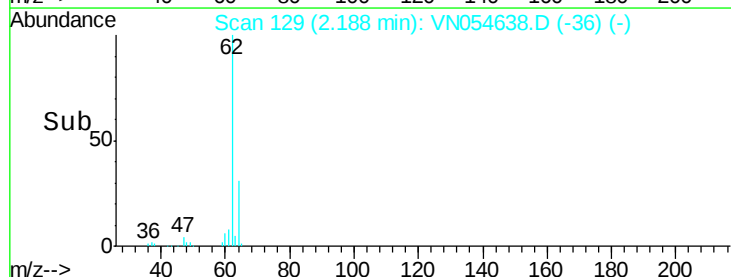
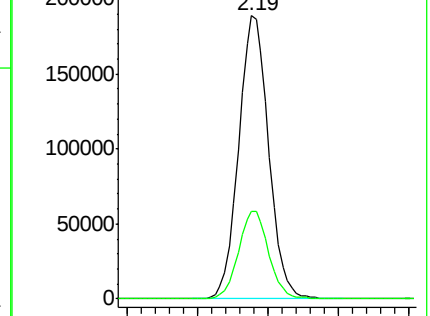
62 100

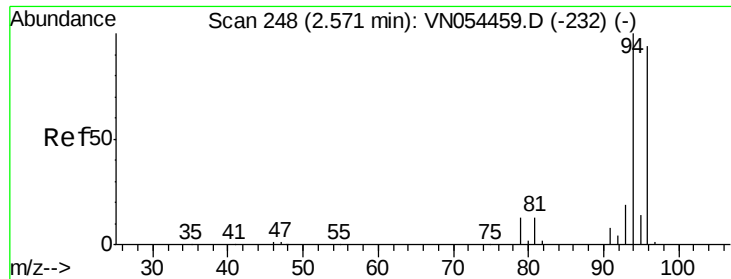
64 30.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 39.314 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

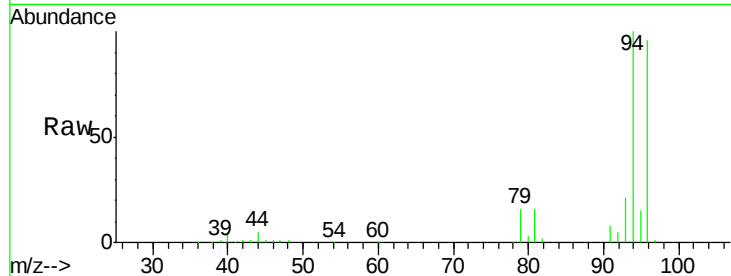
ClientSampled :

Tot Ion: 94 Resp: 155405

Ion Ratio Lower Upper

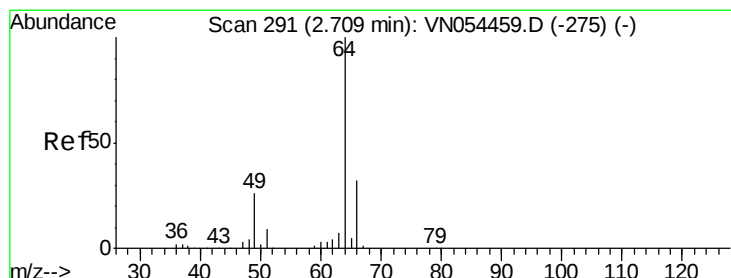
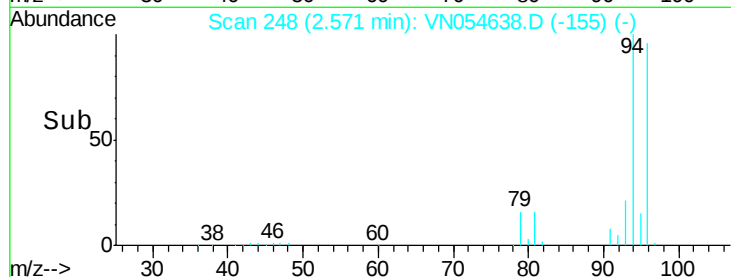
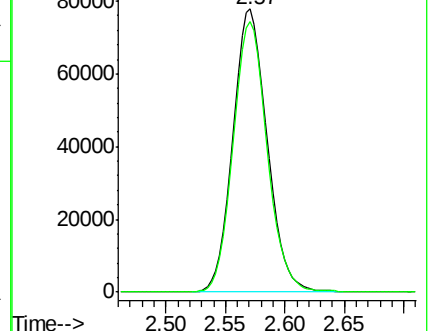
94 100

96 95.6 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.183 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054638.D

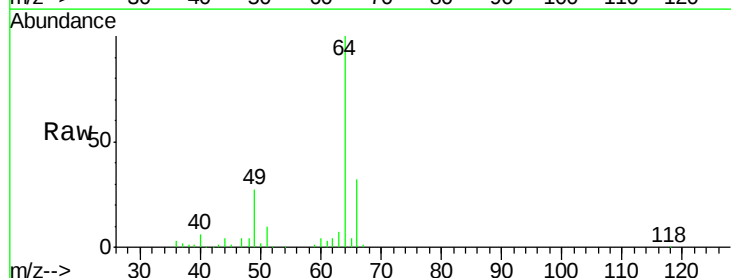
Acq: 24 Mar 2019 10:32

Tgt Ion: 64 Resp: 158338

Ion Ratio Lower Upper

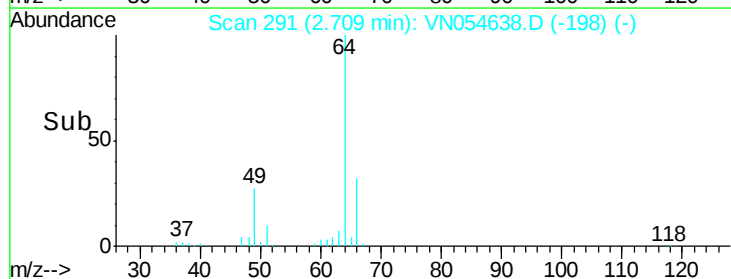
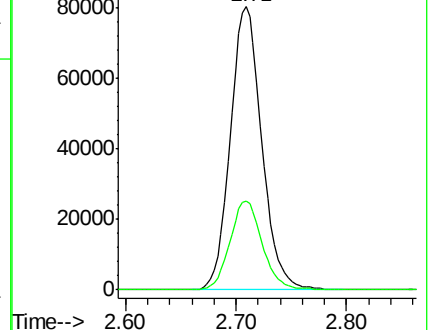
64 100

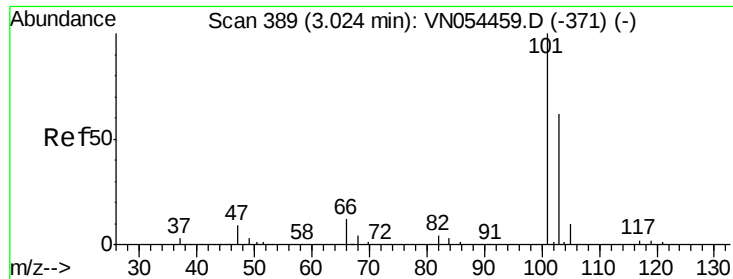
66 31.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



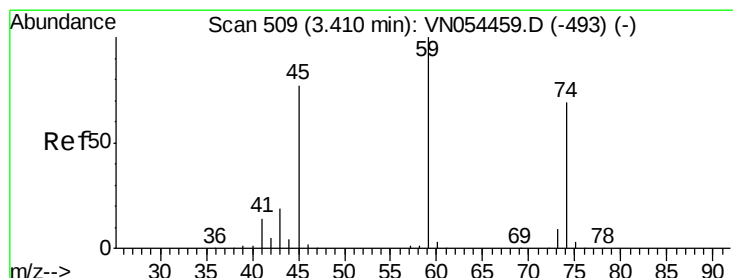
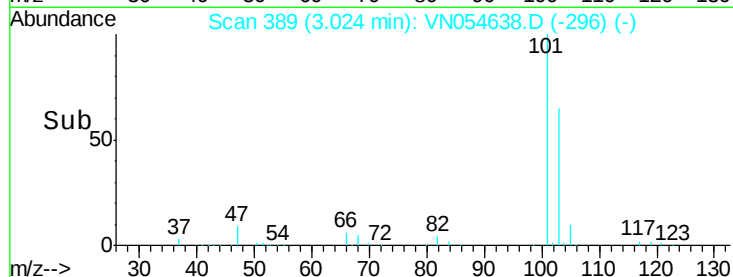
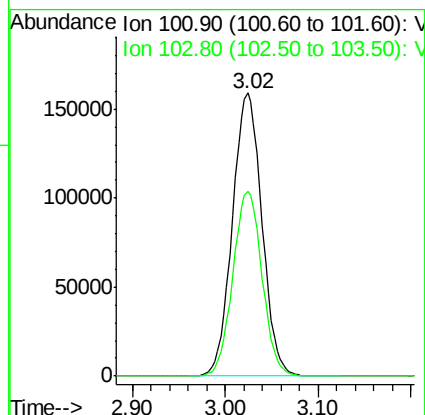
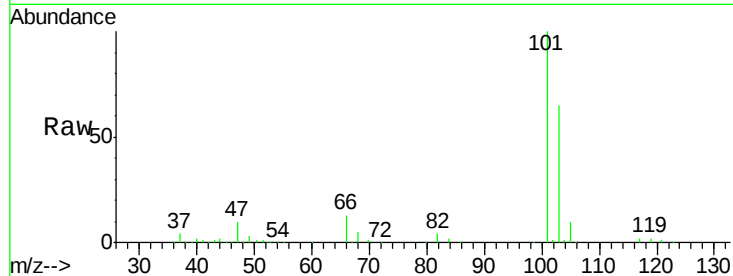


#7

Trichlorofluoromethane
Concen: 47.202 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampled :

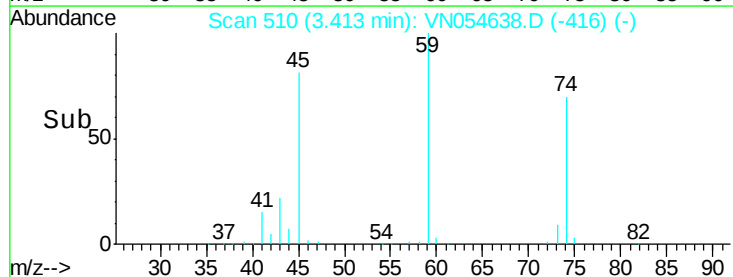
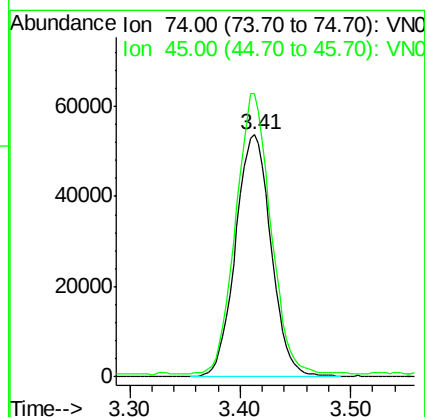
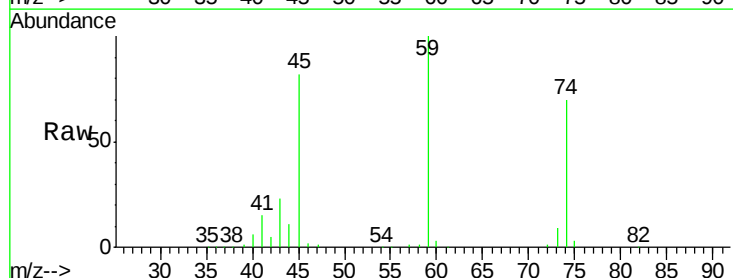
Tot Ion:101 Resp: 350425
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2

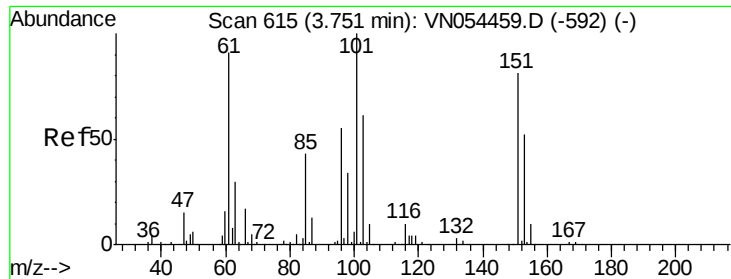


#8

Diethyl Ether
Concen: 42.027 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion: 74 Resp: 119995
Ion Ratio Lower Upper
74 100
45 114.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.095 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampled :

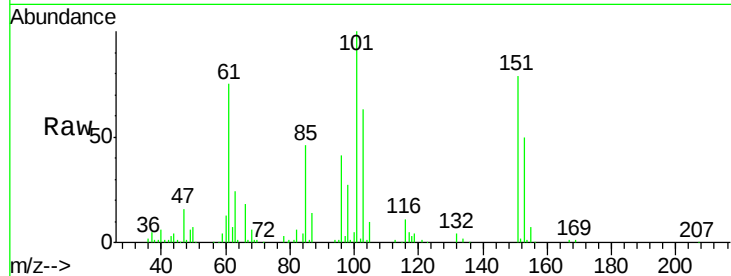
Tot Ion:101 Resp: 196754

Ion Ratio Lower Upper

101 100

85 45.2 32.4 48.6

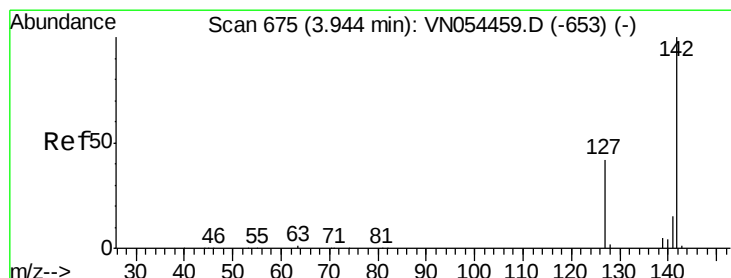
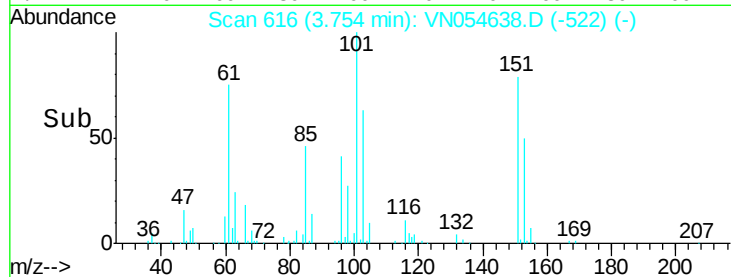
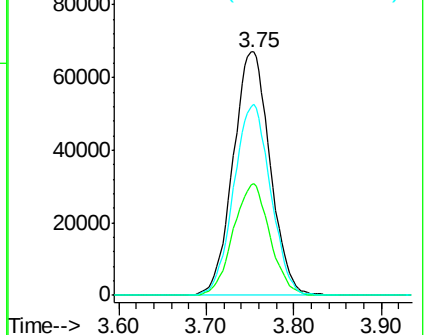
151 78.2 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.871 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

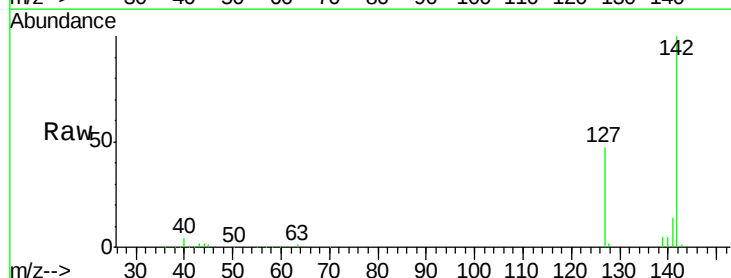
Tgt Ion:142 Resp: 268735

Ion Ratio Lower Upper

142 100

127 46.8 30.3 45.5#

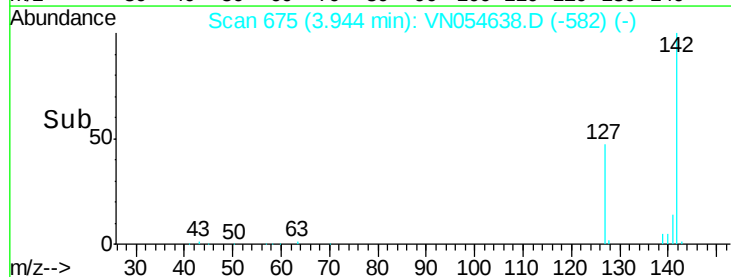
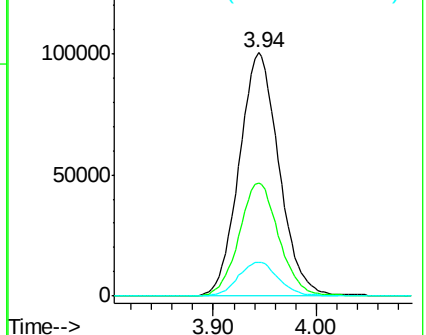
141 14.3 11.2 16.8

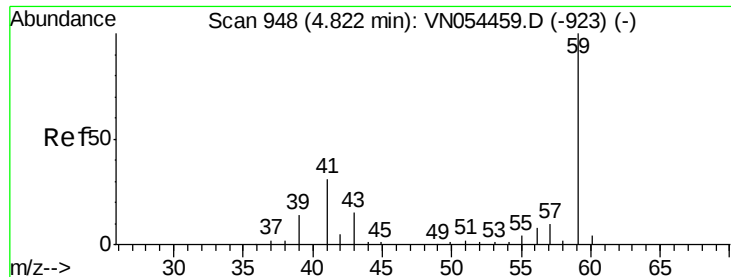


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

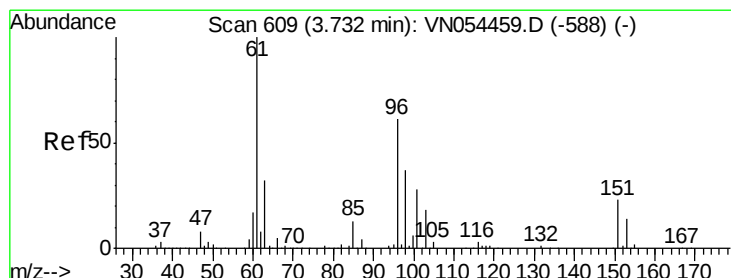
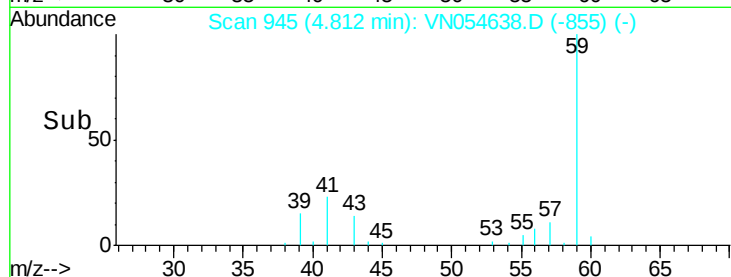
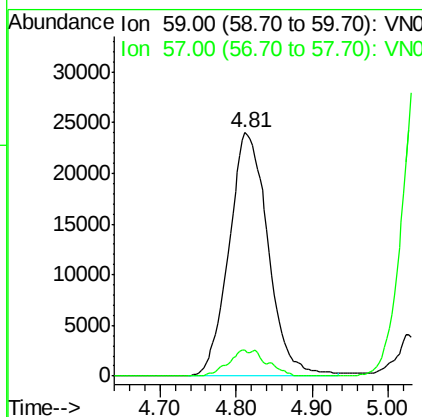
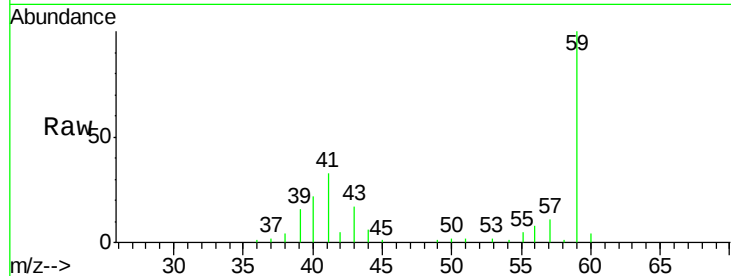




#11
Tert butyl alcohol
Concen: 243.607 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.01 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

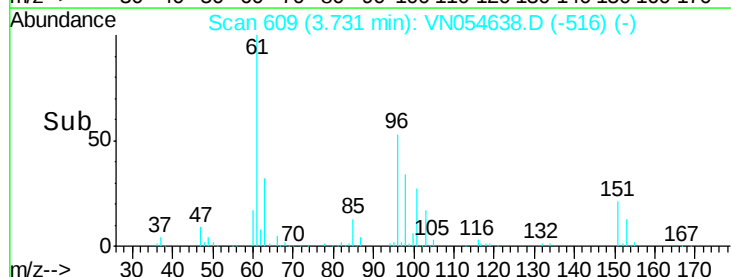
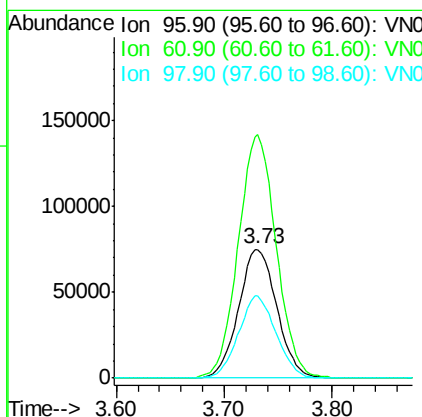
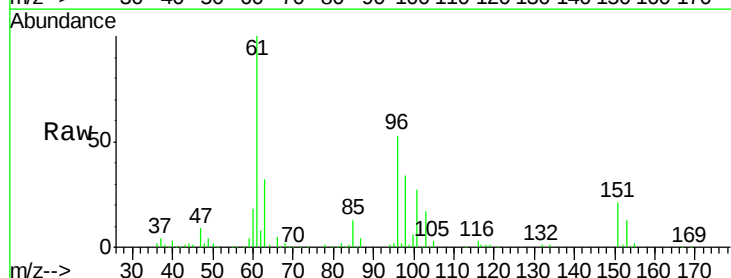
Instrument :
MSVOA_N
ClientSampleId :

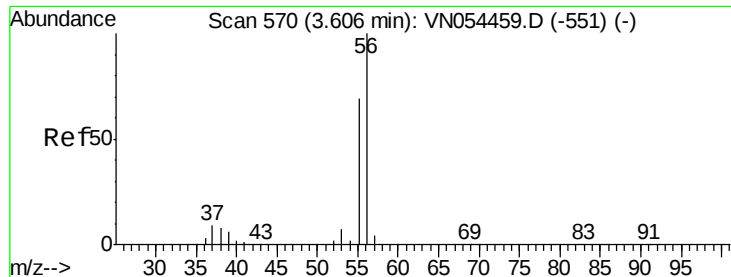
Tot Ion: 59 Resp: 85877
Ion Ratio Lower Upper
59 100
57 5.9 9.0 13.6#



#12
1,1-Dichloroethene
Concen: 40.918 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion: 96 Resp: 184756
Ion Ratio Lower Upper
96 100
61 189.1 116.5 174.7#
98 64.0 51.0 76.4





#13

Acrolein

Concen: 75.096 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

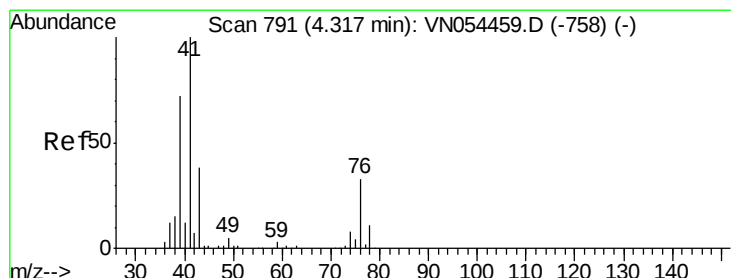
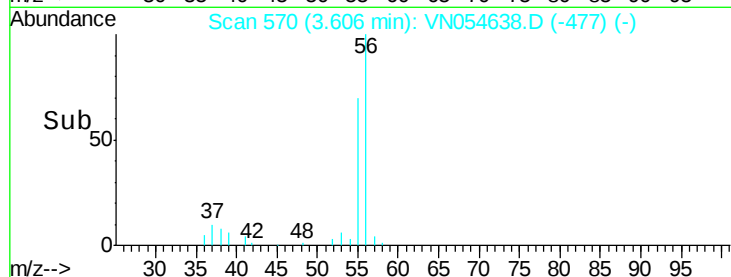
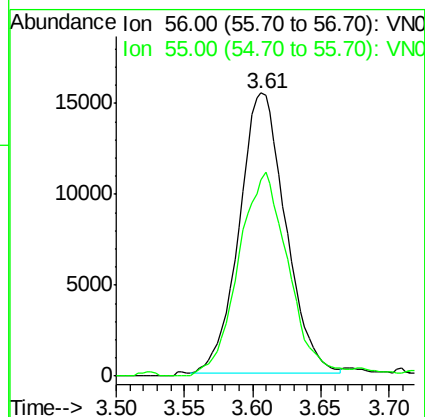
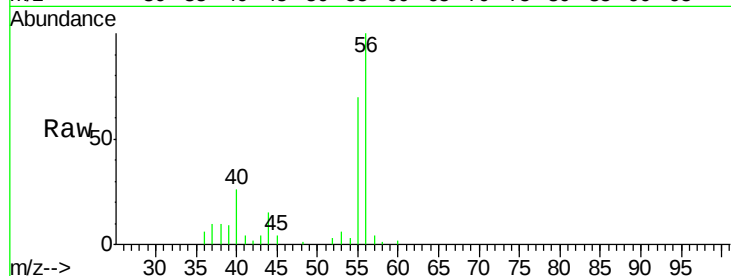
ClientSampleId :

Tot Ion: 56 Resp: 36533

Ion Ratio Lower Upper

56 100

55 78.2 56.7 85.1



#14

Allyl chloride

Concen: 51.614 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

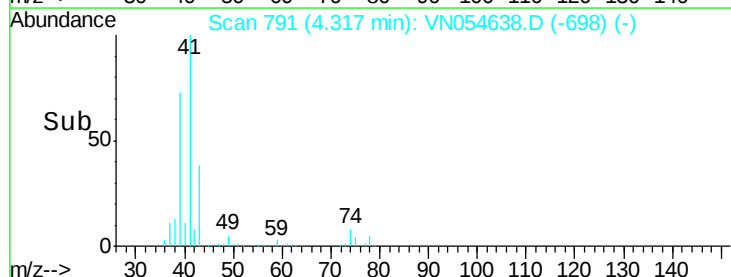
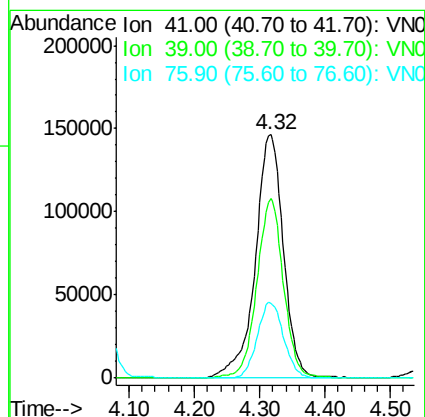
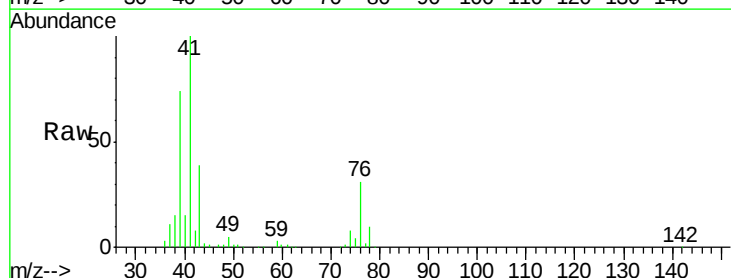
Tgt Ion: 41 Resp: 438849

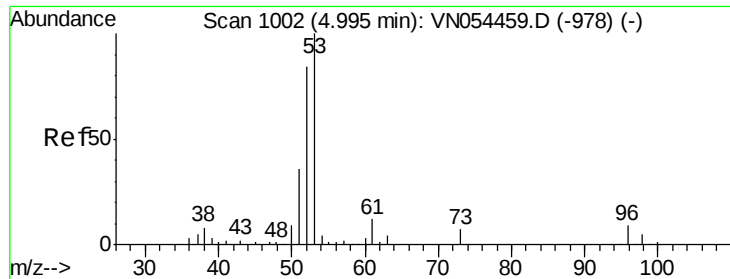
Ion Ratio Lower Upper

41 100

39 69.1 58.2 87.4

76 29.3 31.7 47.5#

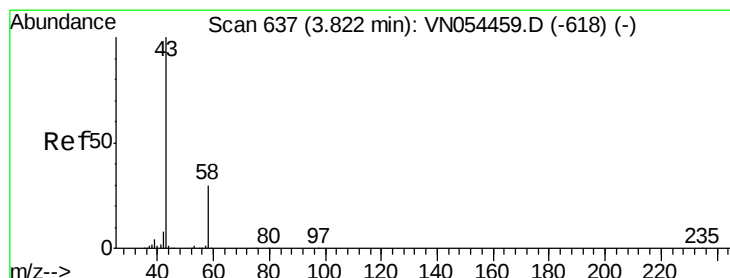
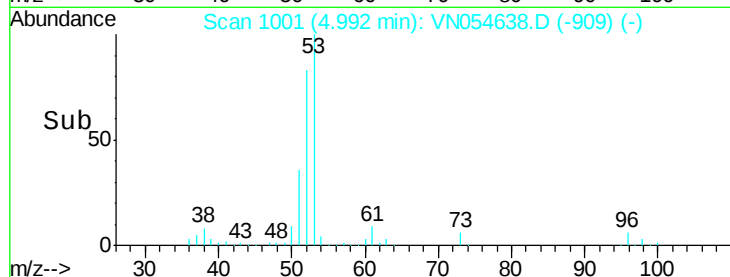
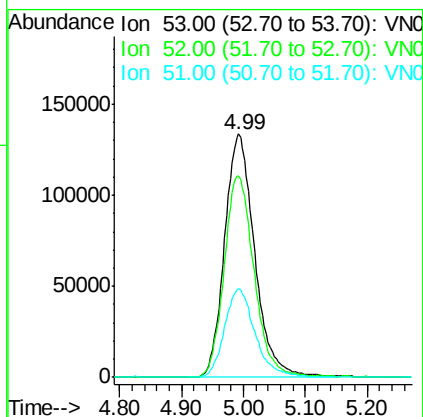
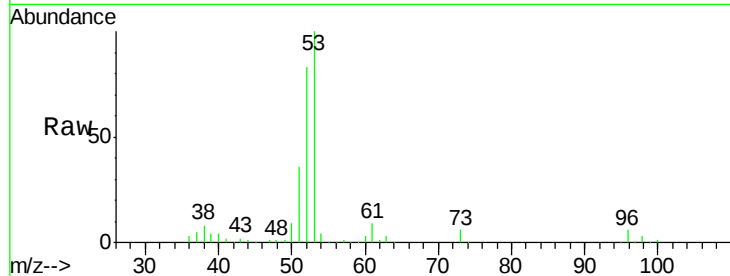




#15
 Acrylonitrile
 Concen: 256.601 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

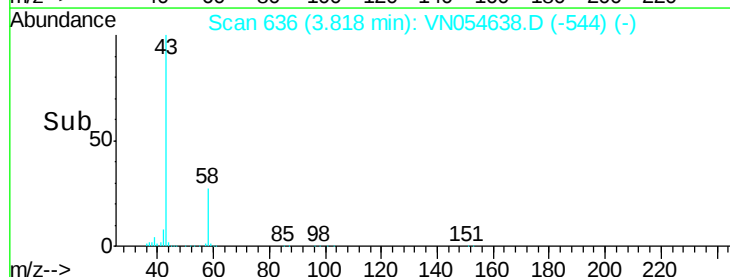
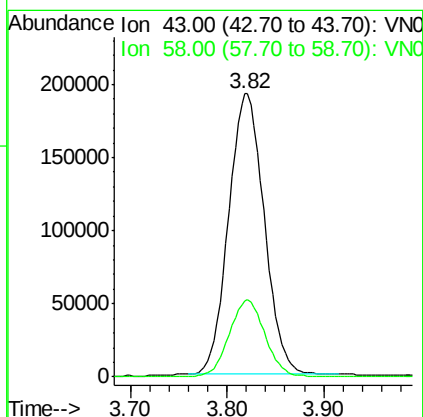
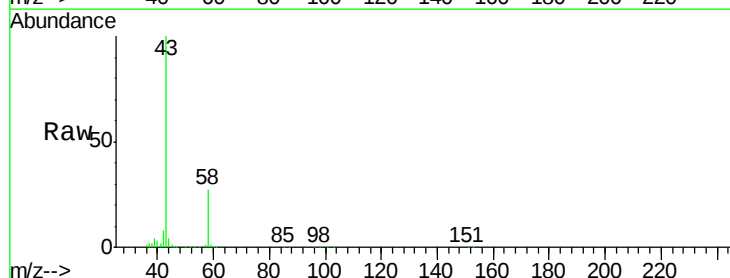
Instrument :
 MSVOA_N
 ClientSampleId :

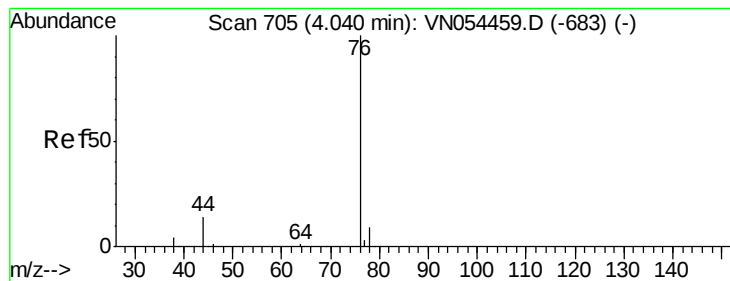
Tot Ion: 53 Resp: 450472
 Ion Ratio Lower Upper
 53 100
 52 82.3 66.4 99.6
 51 37.2 29.6 44.4



#16
 Acetone
 Concen: 281.168 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion: 43 Resp: 492217
 Ion Ratio Lower Upper
 43 100
 58 27.0 29.9 44.9#





#17

Carbon Disulfide

Concen: 43.876 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

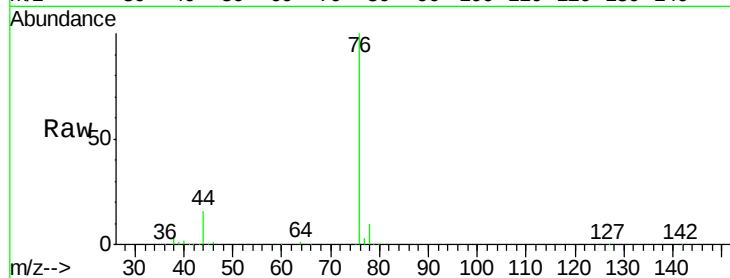
ClientSampled :

Tot Ion: 76 Resp: 530817

Ion Ratio Lower Upper

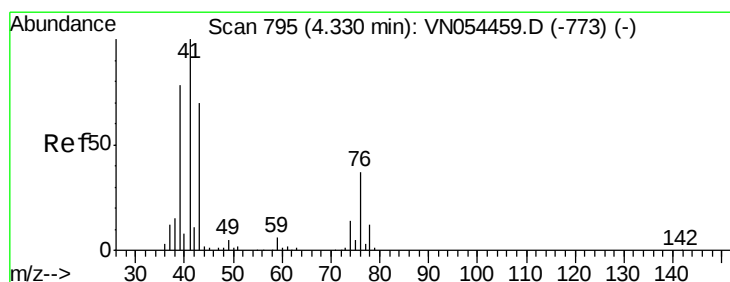
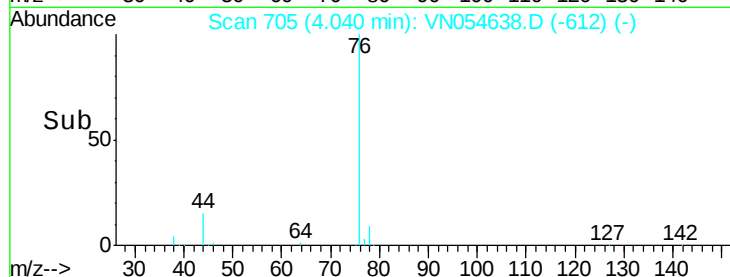
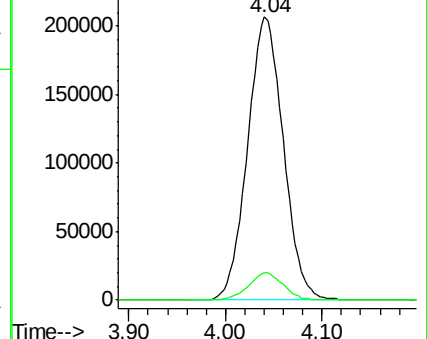
76 100

78 9.5 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 51.285 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054638.D

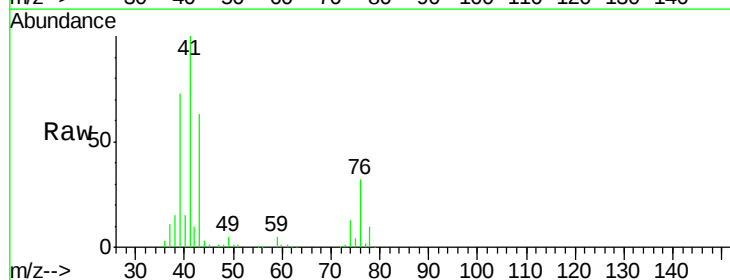
Acq: 24 Mar 2019 10:32

Tgt Ion: 43 Resp: 200110

Ion Ratio Lower Upper

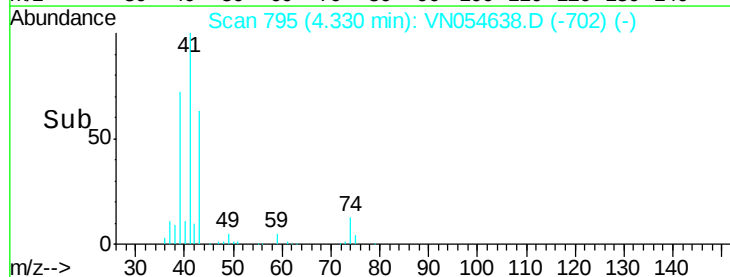
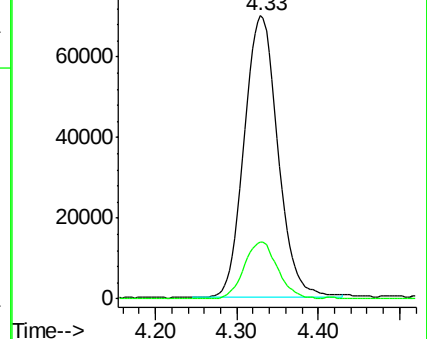
43 100

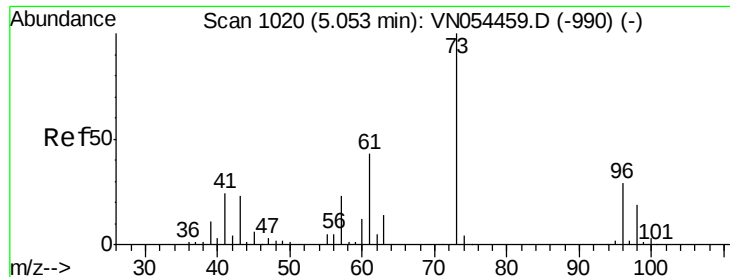
74 20.1 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

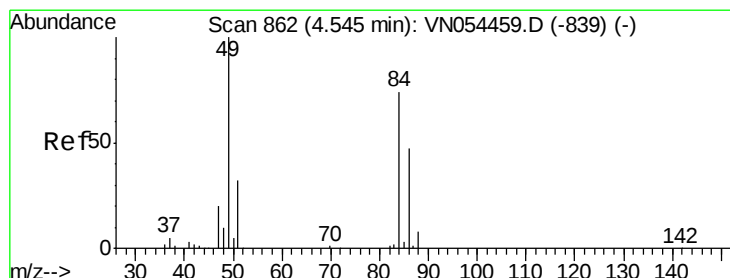
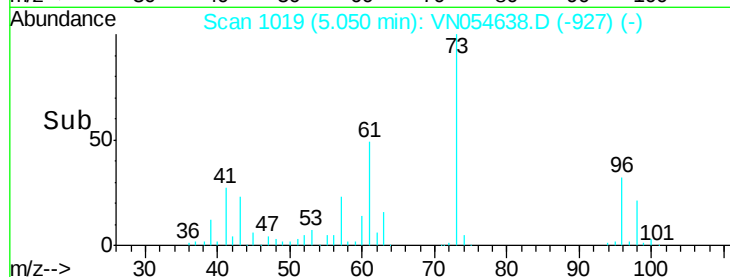
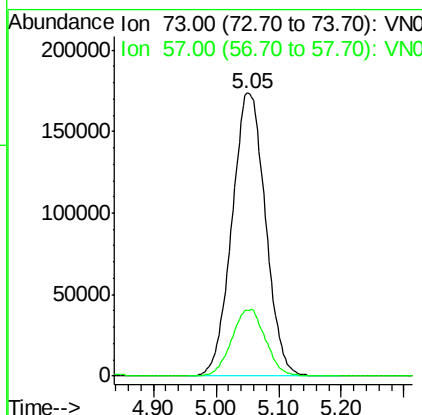
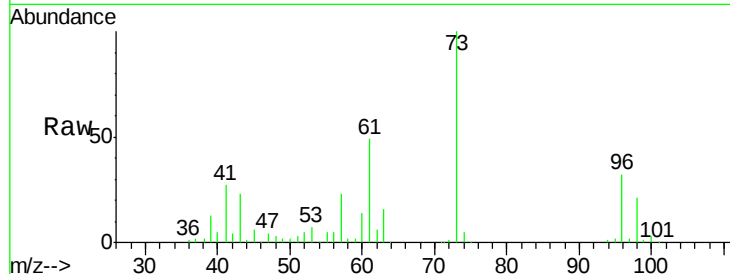




#19
Methvl tert-butvl Ether
Concen: 48.876 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

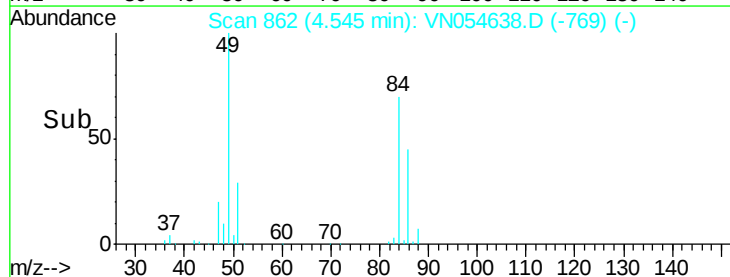
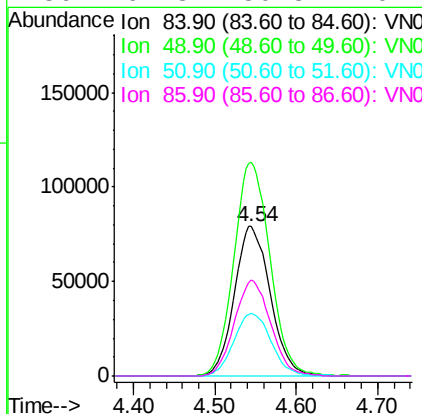
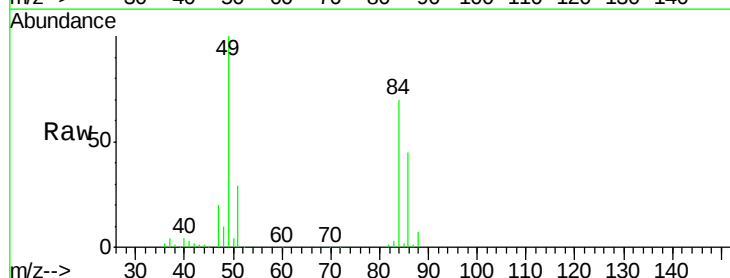
Instrument :
MSVOA_N
ClientSampleId :

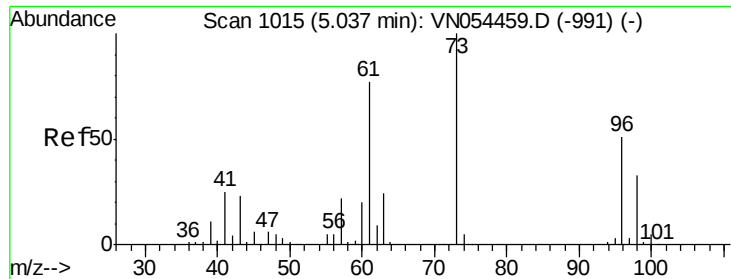
Tot Ion: 73 Resp: 644067
Ion Ratio Lower Upper
73 100
57 23.3 16.8 25.2



#20
Methylene Chloride
Concen: 46.733 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion: 84 Resp: 241162
Ion Ratio Lower Upper
84 100
49 143.1 89.7 134.5#
51 41.6 28.2 42.4
86 64.3 50.8 76.2

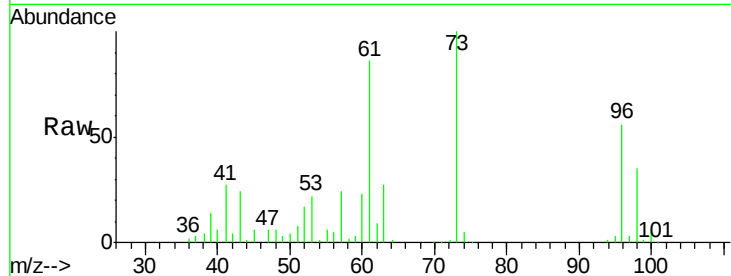




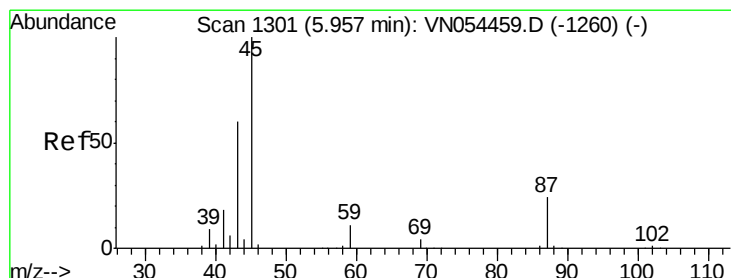
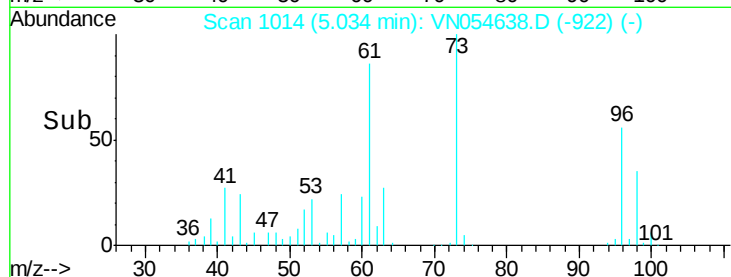
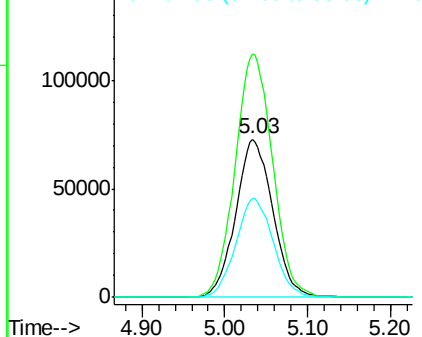
#21
trans-1,2-Dichloroethene
Concen: 49.115 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 226452
Ion Ratio Lower Upper
96 100
61 154.0 102.8 154.2
98 62.7 50.0 75.0



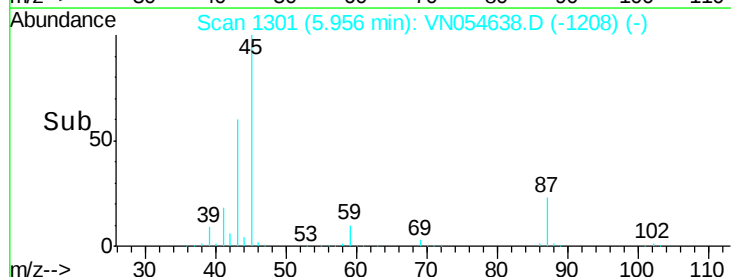
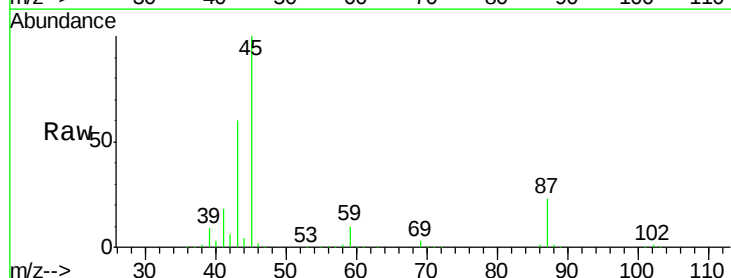
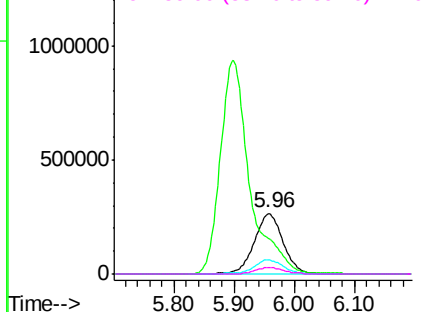
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

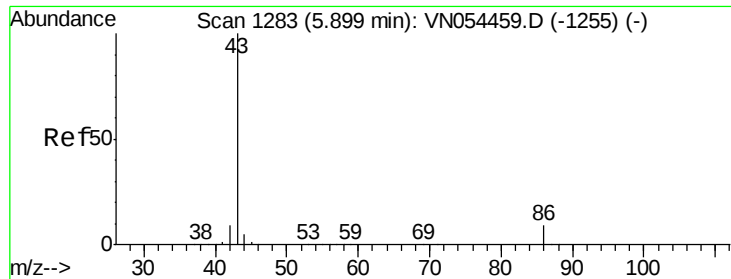


#22
Diisopropyl ether
Concen: 52.811 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion: 45 Resp: 885700
Ion Ratio Lower Upper
45 100
43 60.1 48.2 72.2
87 23.0 24.9 37.3#
59 10.1 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: 268.363 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

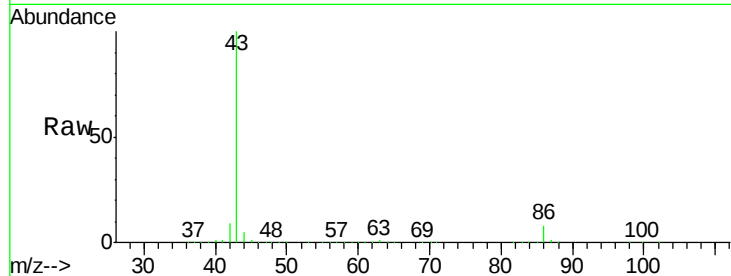
ClientSampled :

Tot Ion: 43 Resp: 3178725

Ion Ratio Lower Upper

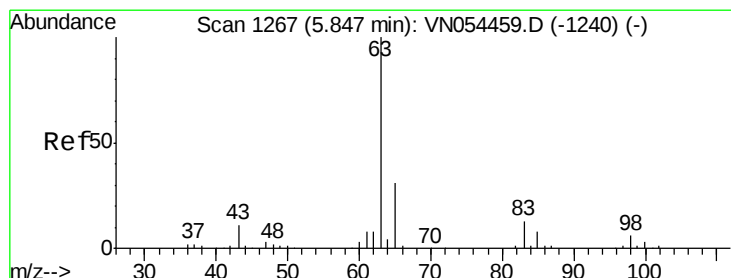
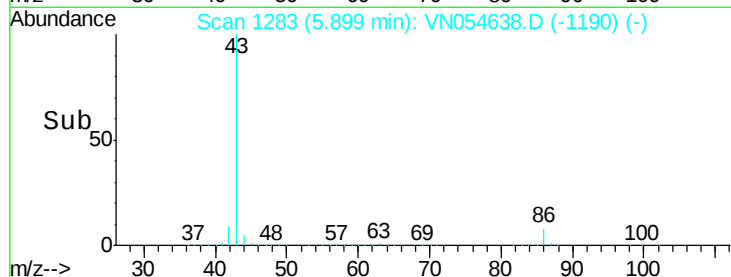
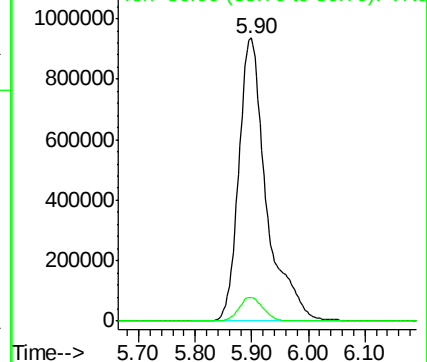
43 100

86 8.4 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.834 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

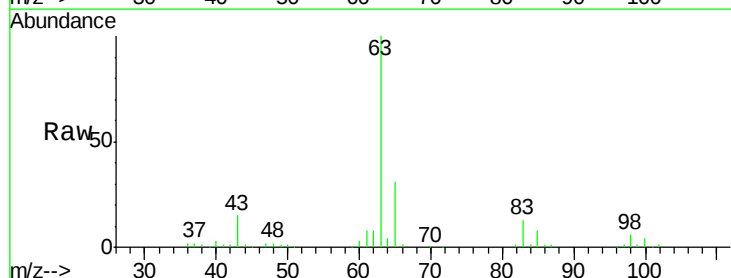
Tgt Ion: 63 Resp: 459038

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

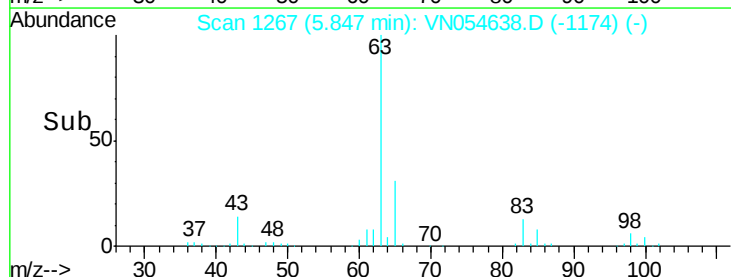
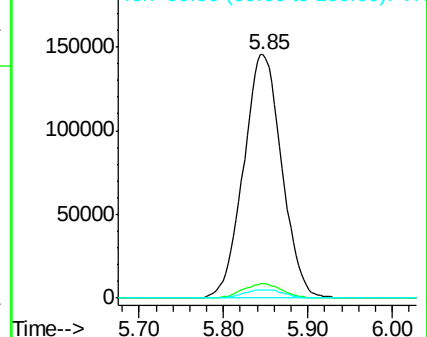
100 3.5 2.0 6.0

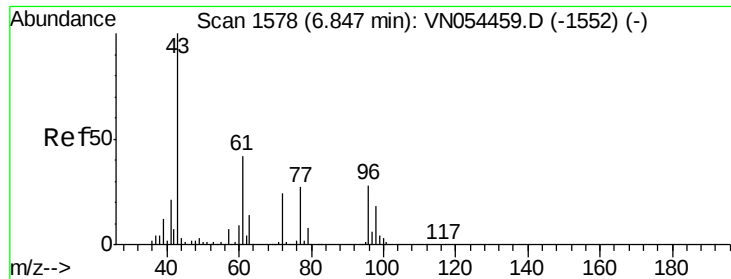


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 286.951 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

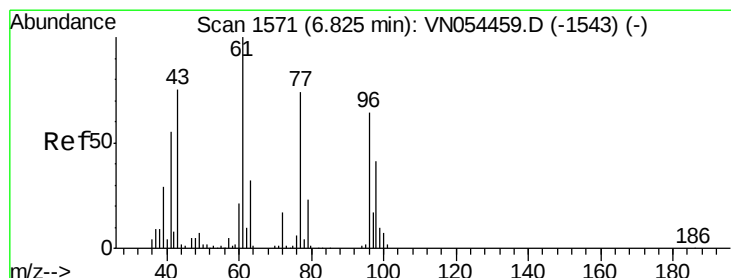
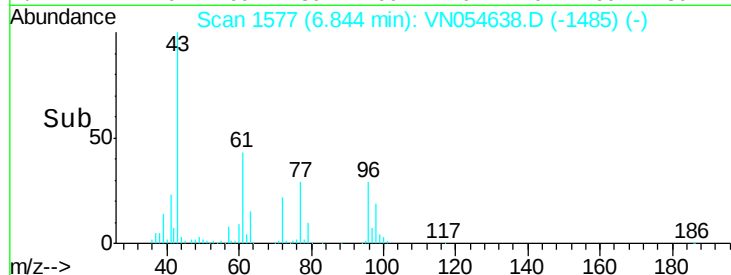
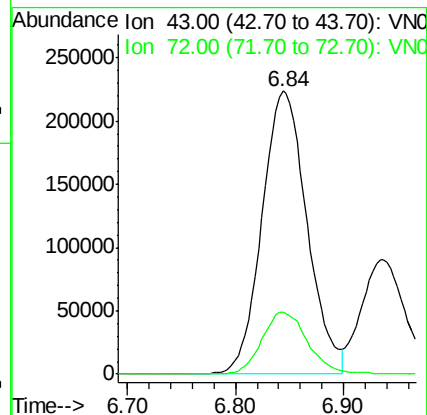
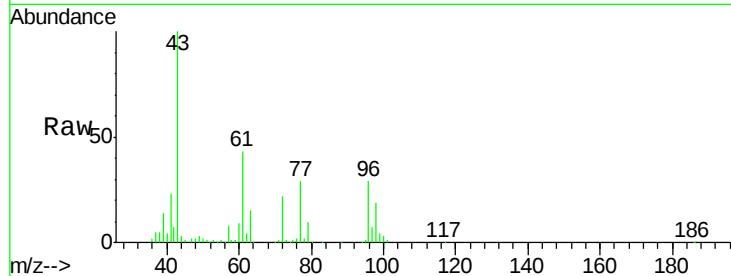
ClientSampled :

Tot Ion: 43 Resp: 643498

Ion Ratio Lower Upper

43 100

72 21.8 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 51.557 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054638.D

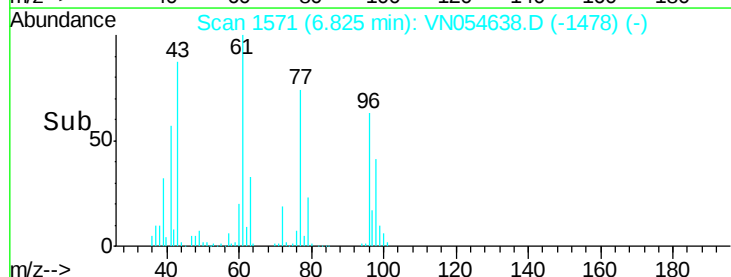
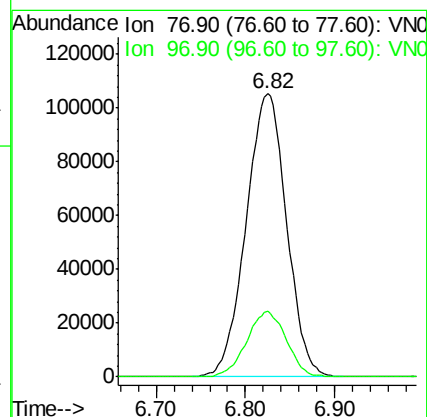
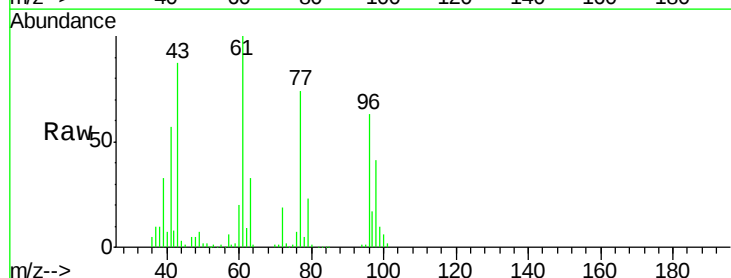
Acq: 24 Mar 2019 10:32

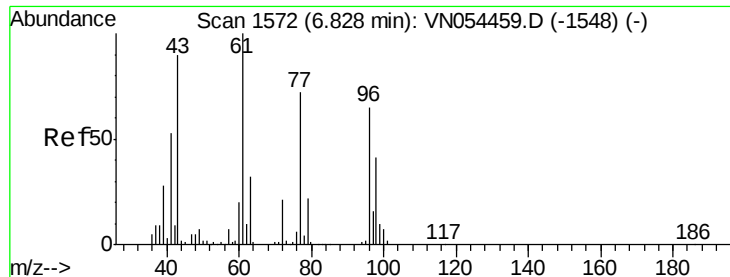
Tgt Ion: 77 Resp: 331874

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 48.188 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampled :

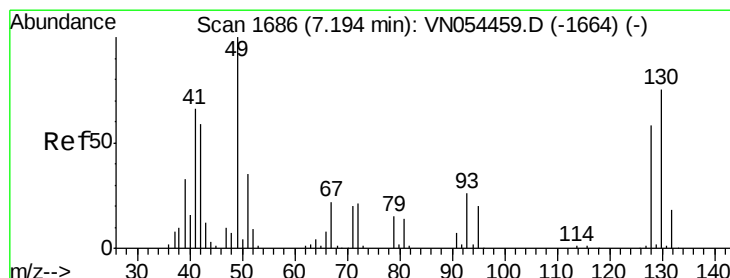
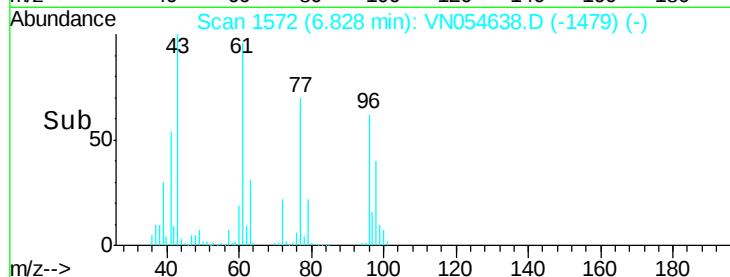
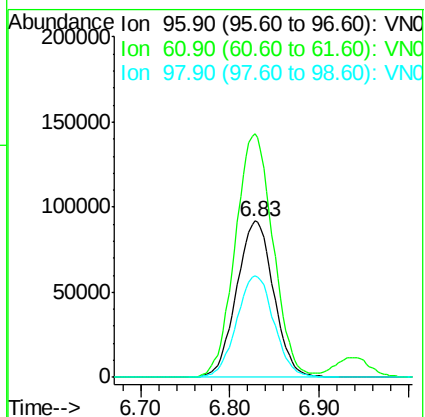
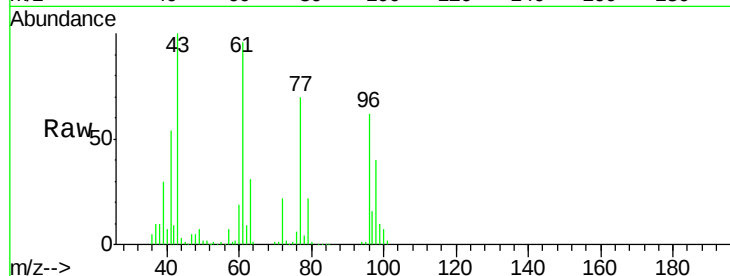
Tot Ion: 96 Resp: 265003

Ion Ratio Lower Upper

96 100

61 158.9 0.0 273.0

98 65.4 0.0 130.6



#28

Bromochloromethane

Concen: 52.410 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

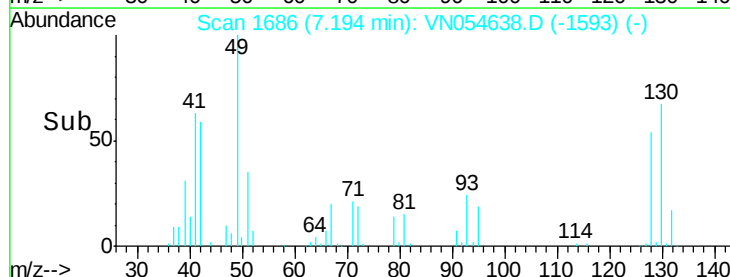
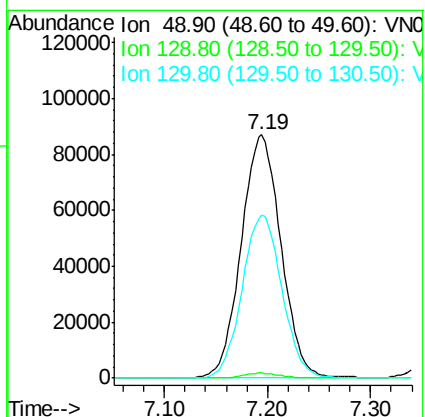
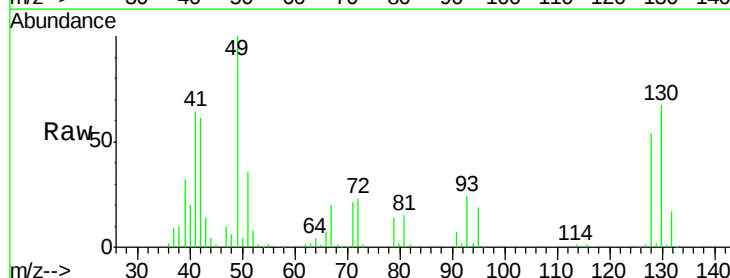
Tgt Ion: 49 Resp: 232952

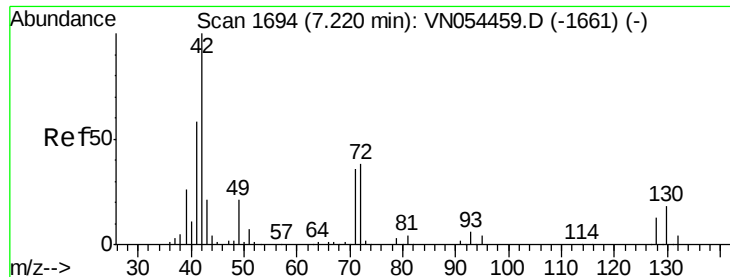
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

130 67.0 76.7 115.1#





#29

Tetrahydrofuran

Concen: 262.514 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :

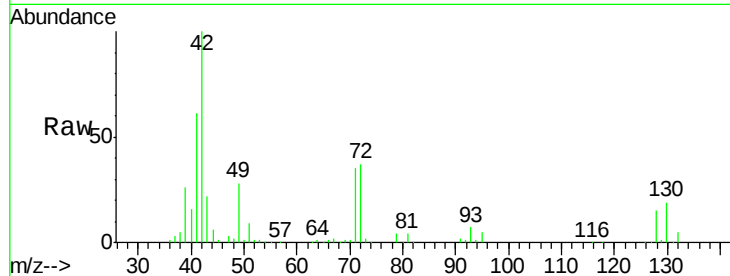
Tot Ion: 42 Resp: 382026

Ion Ratio Lower Upper

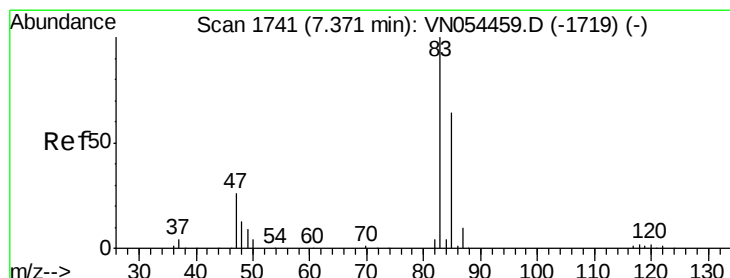
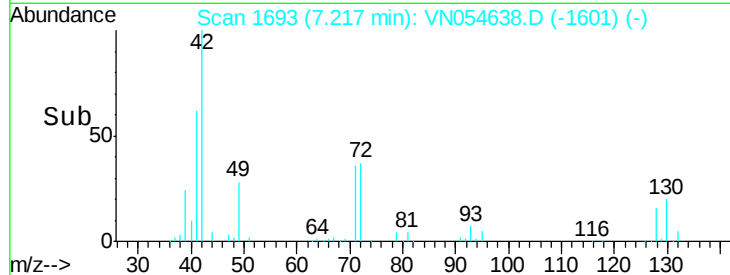
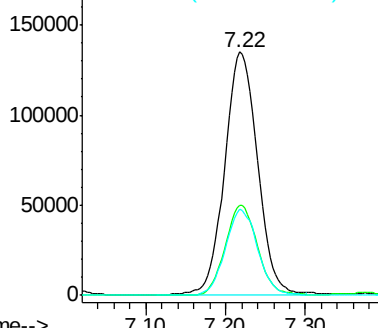
42 100

72 36.2 37.8 56.6#

71 34.9 36.2 54.2#



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



#30

Chloroform

Concen: 50.542 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054638.D

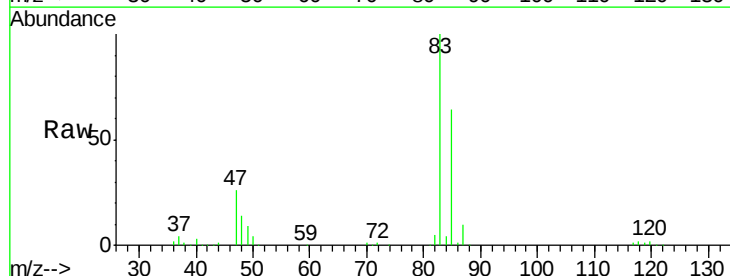
Acq: 24 Mar 2019 10:32

Tgt Ion: 83 Resp: 445403

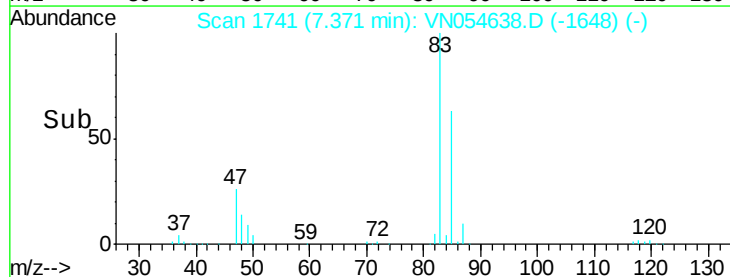
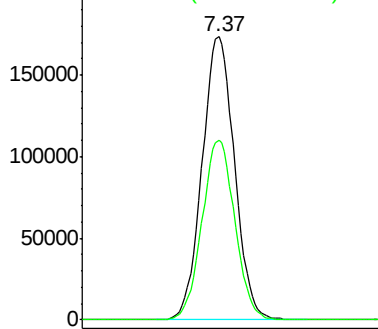
Ion Ratio Lower Upper

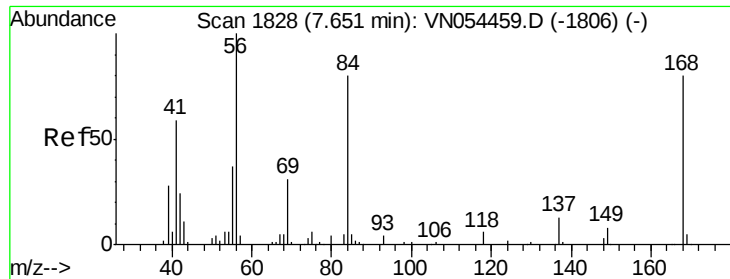
83 100

85 63.6 52.2 78.4



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





#31

Cyclohexane

Concen: 51.422 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampled :

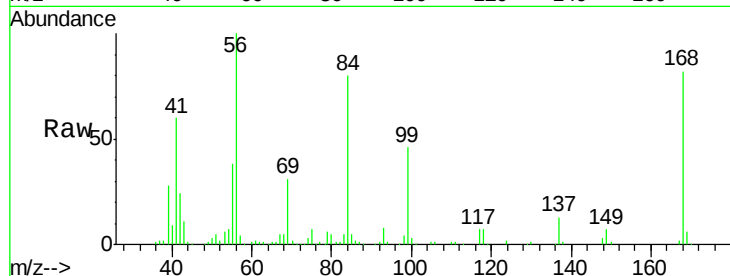
Tot Ion: 56 Resp: 444481

Ion Ratio Lower Upper

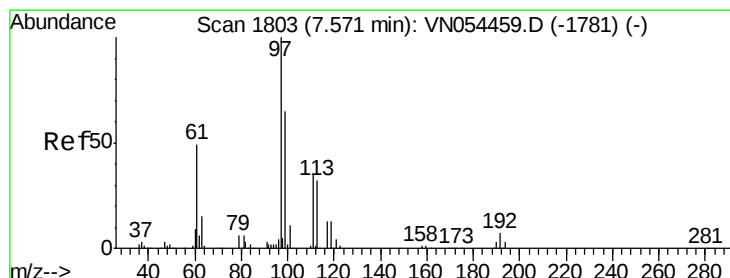
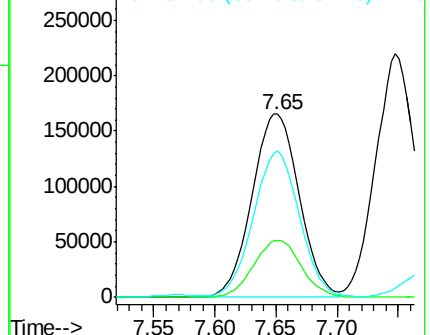
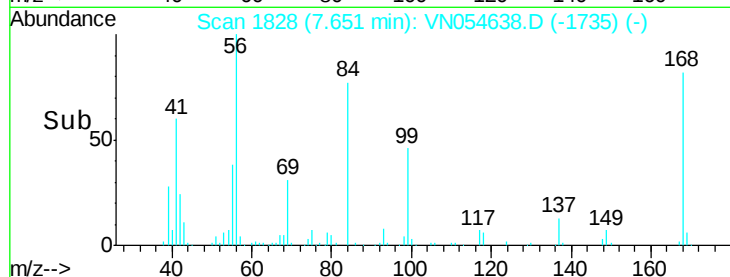
56 100

69 31.2 27.8 41.6

84 78.7 74.6 111.8



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



#32

1,1,1-Trichloroethane

Concen: 50.166 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

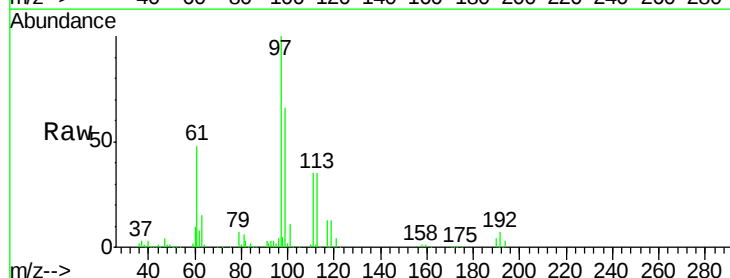
Tgt Ion: 97 Resp: 364728

Ion Ratio Lower Upper

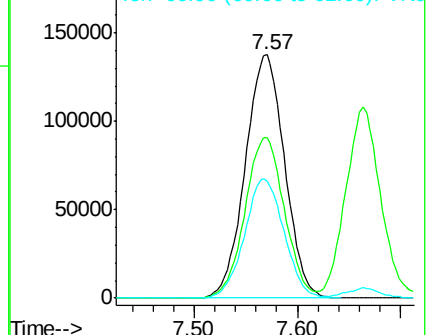
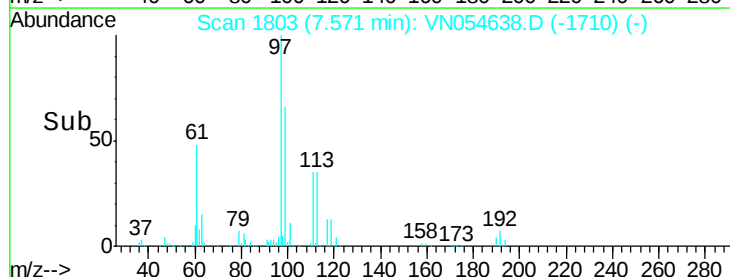
97 100

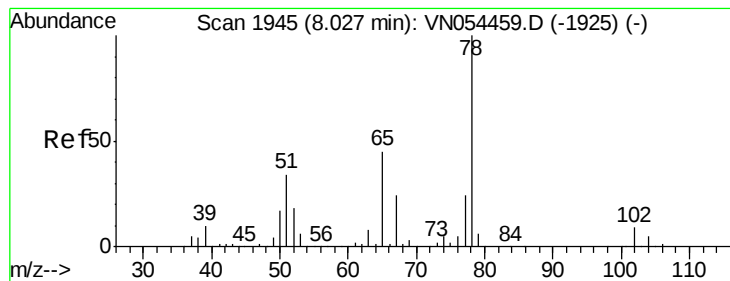
99 66.0 51.5 77.3

61 49.0 33.6 50.4



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





#33

1,2-Dichloroethane-d4

Concen: 49.893 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

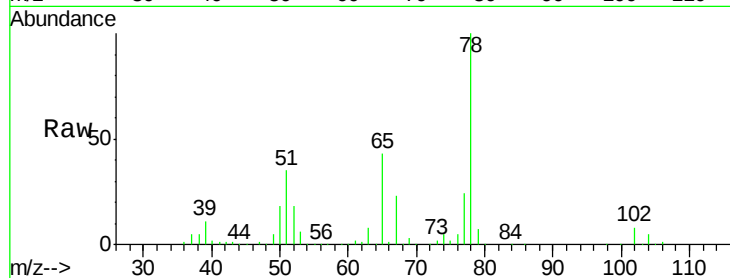
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 290518

Ion Ratio Lower Upper

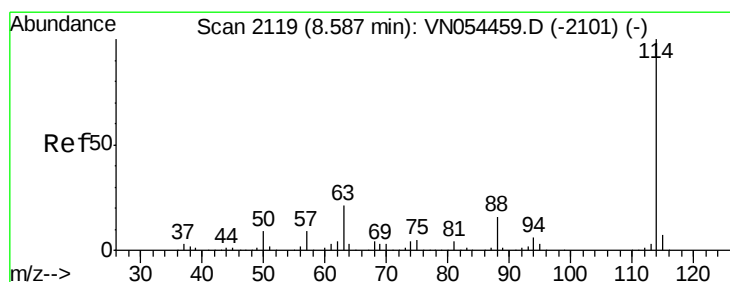
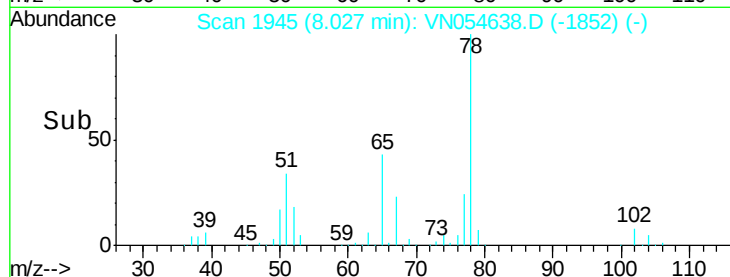
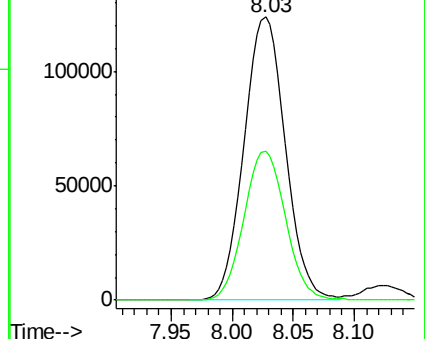
65 100

67 53.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

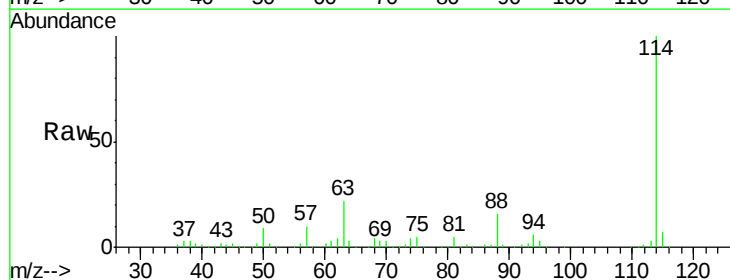
Tgt Ion: 114 Resp: 742805

Ion Ratio Lower Upper

114 100

63 22.2 0.0 35.2

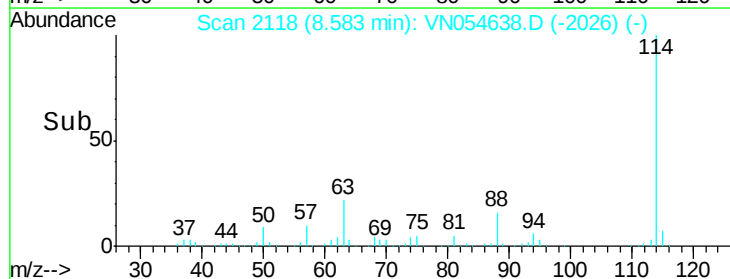
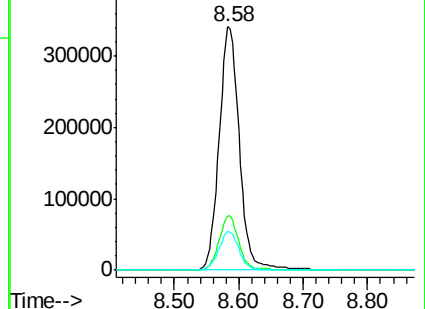
88 15.8 0.0 30.2

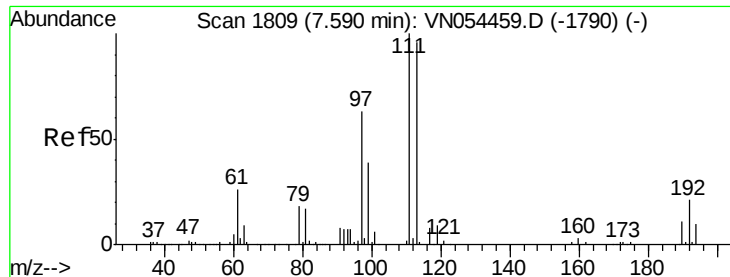


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

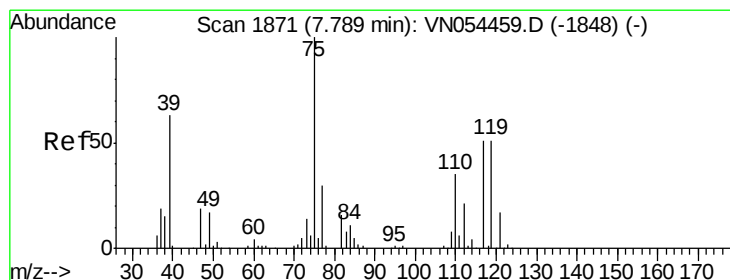
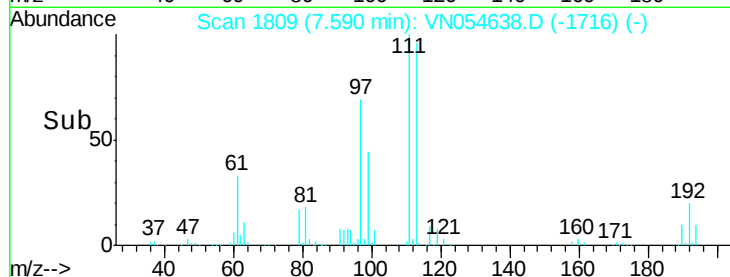
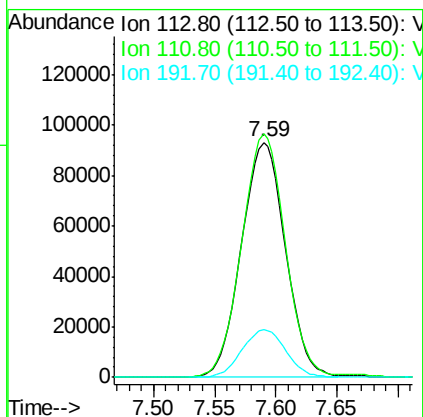
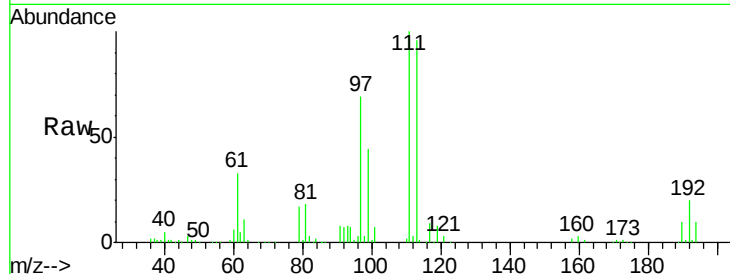




#35
 Dibromofluoromethane
 Concen: 48.507 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

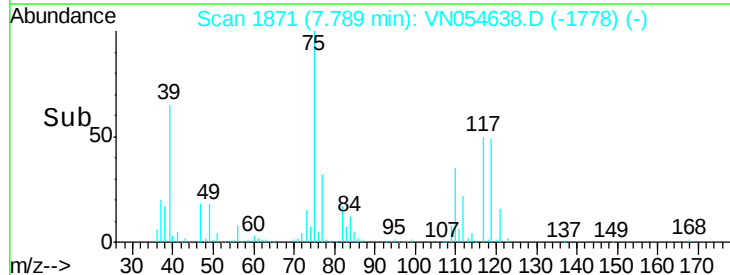
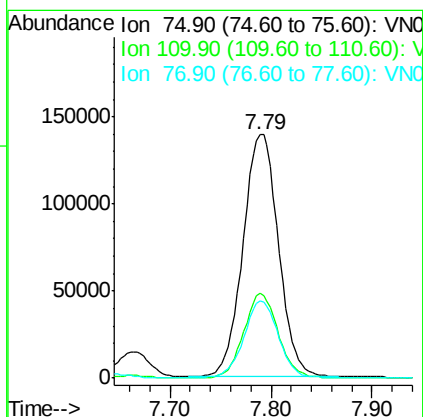
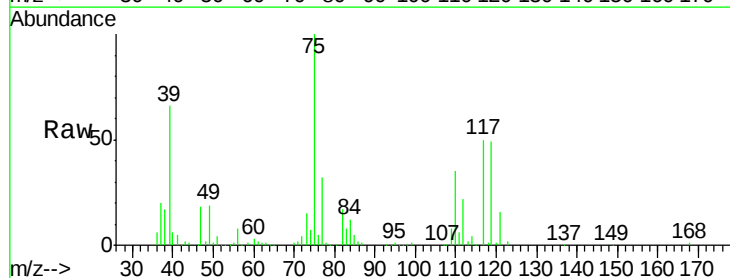
Instrument :
 MSVOA_N
 ClientSampleId :

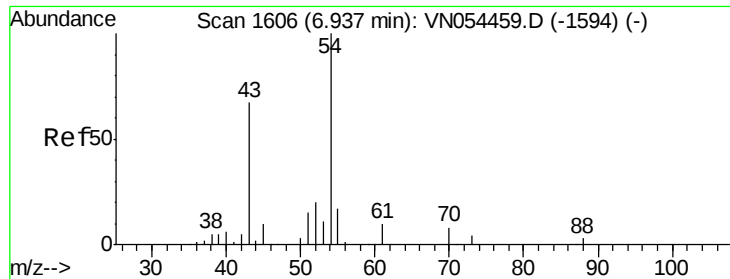
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.4
192	20.4	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 48.960 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	19.1	57.5
77	31.1	25.0	37.4

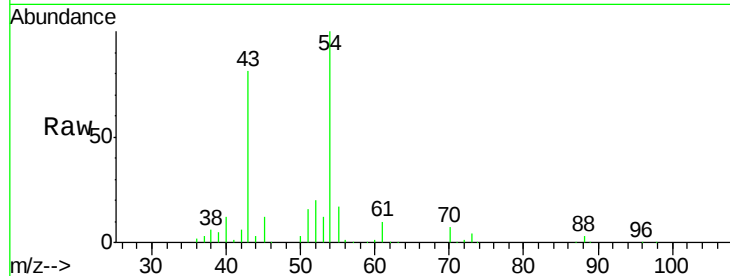




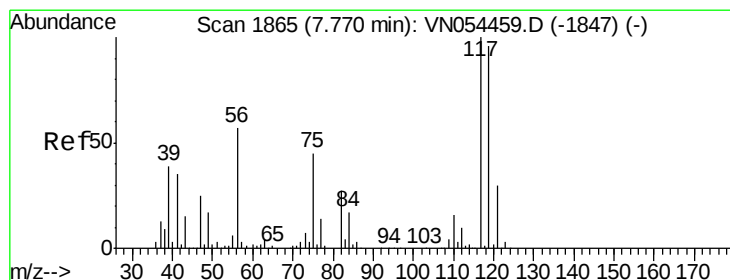
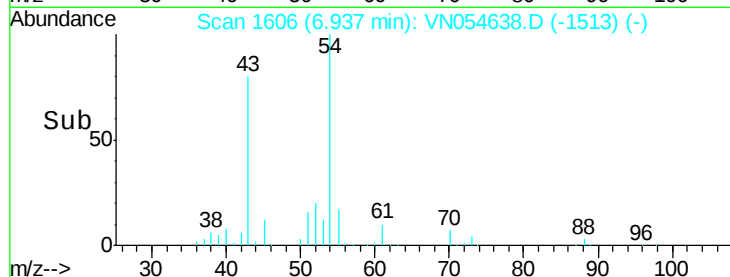
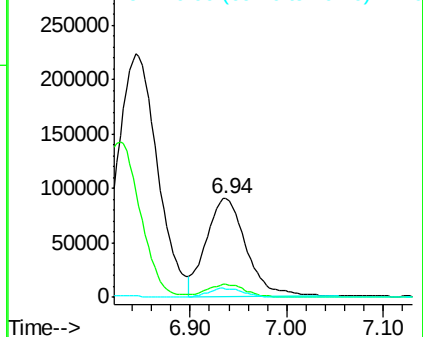
#37
Ethyl Acetate
Concen: 51.946 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 256598
Ion Ratio Lower Upper
43 100
61 12.5 11.8 17.6
70 8.7 8.4 12.6

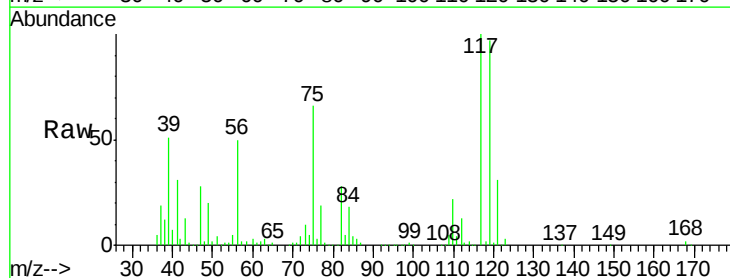


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

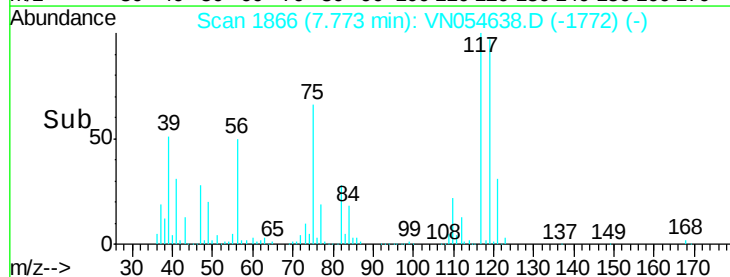
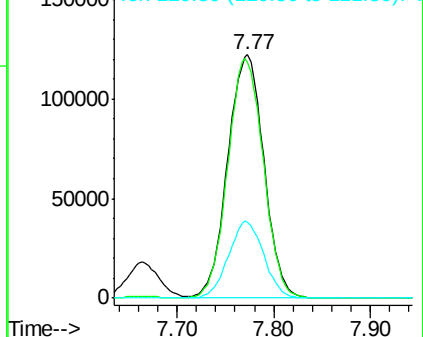


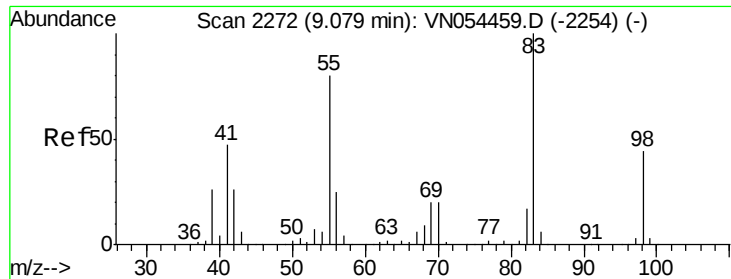
#38
Carbon Tetrachloride
Concen: 47.128 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion: 117 Resp: 318082
Ion Ratio Lower Upper
117 100
119 96.7 76.3 114.5
121 31.0 24.6 36.8



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

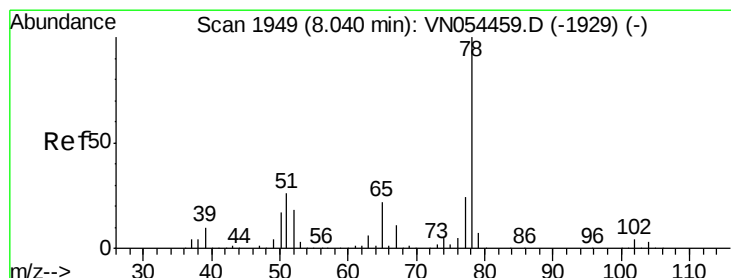
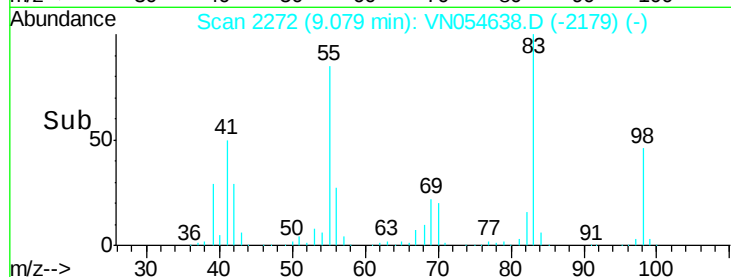
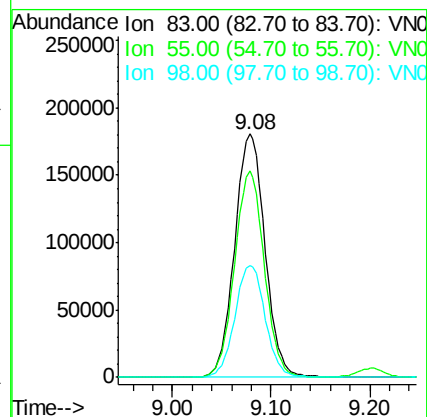
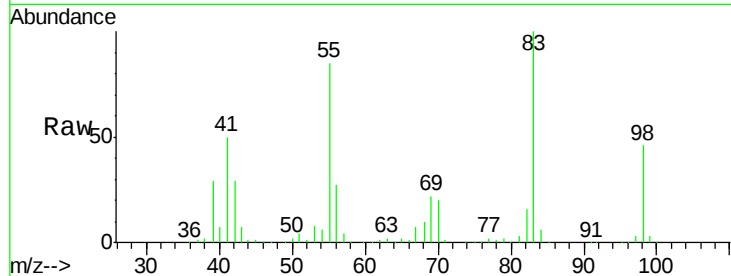




#39
Methvlcvclohexane
Concen: 48.740 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

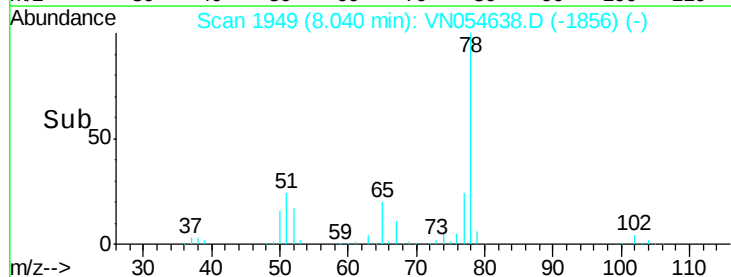
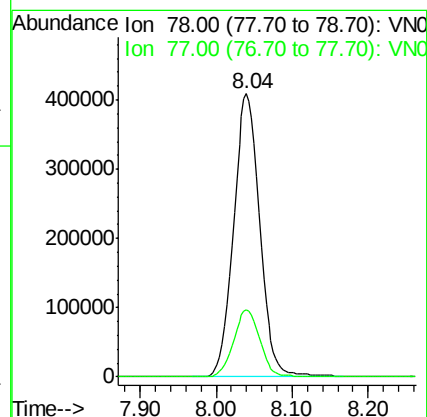
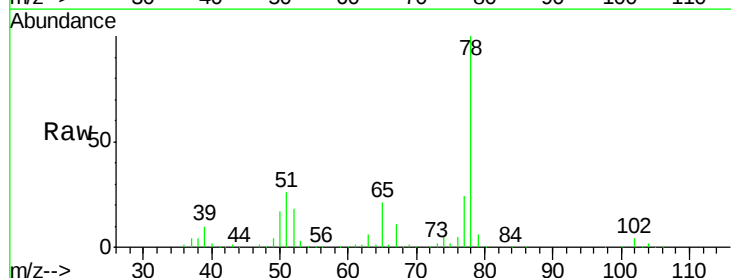
Instrument :
MSVOA_N
ClientSampled :

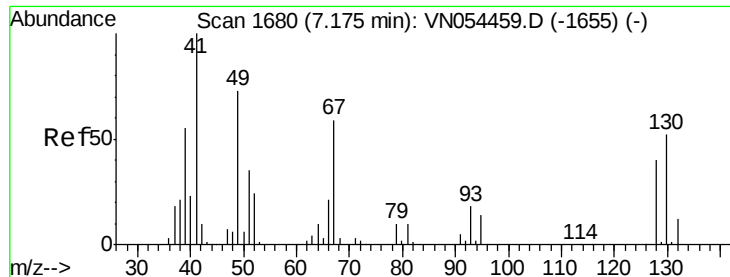
Tot Ion: 83 Resp: 387220
Ion Ratio Lower Upper
83 100
55 84.8 56.6 84.8
98 46.2 38.4 57.6



#40
Benzene
Concen: 49.156 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion: 78 Resp: 976256
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7

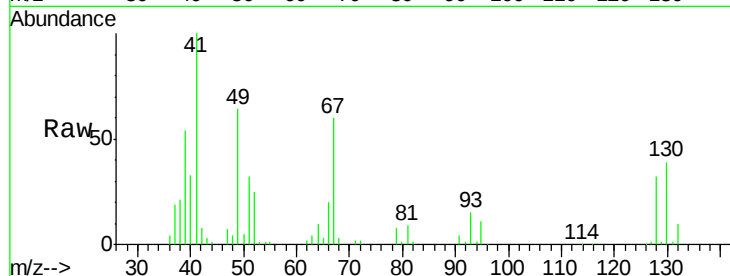




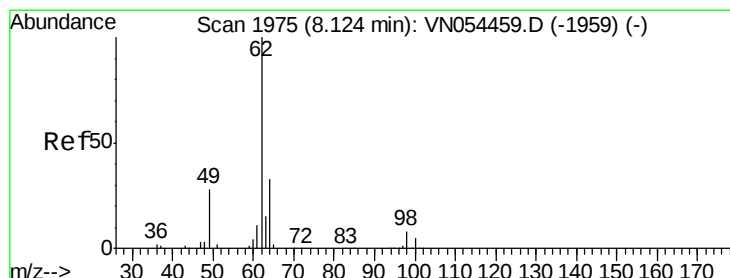
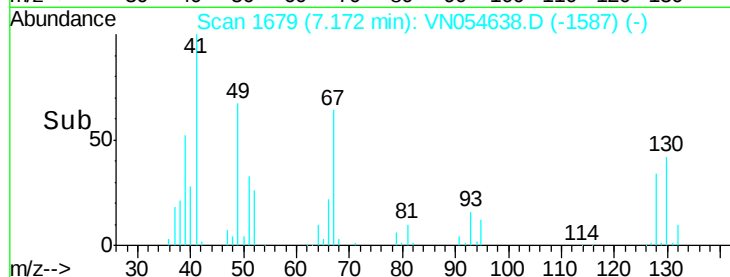
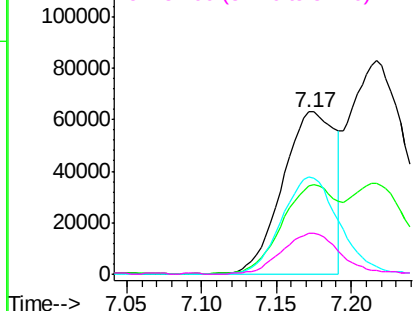
#41
Methacrylonitrile
Concen: 50.928 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 153420
Ion Ratio Lower Upper
41 100
39 57.8 46.8 70.2
67 66.0 67.0 100.4#
52 27.4 26.5 39.7

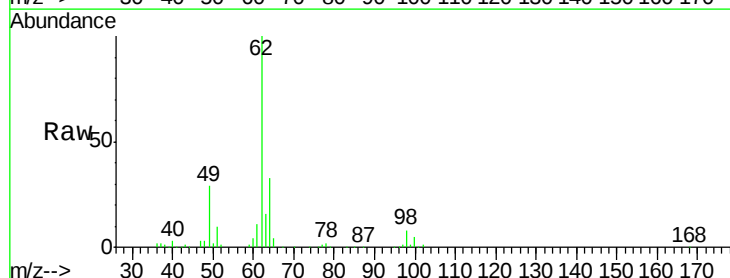


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

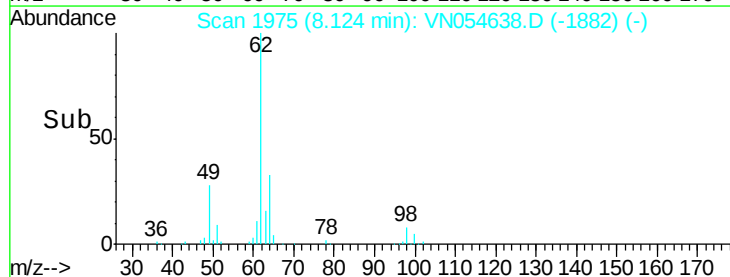
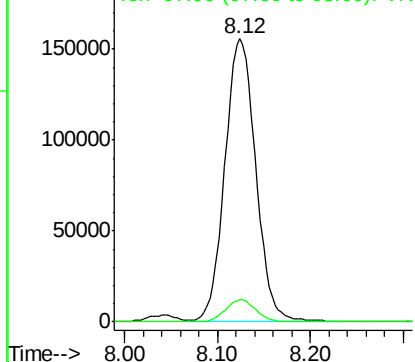


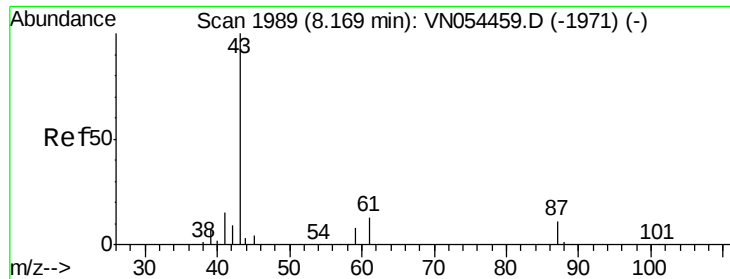
#42
1,2-Dichloroethane
Concen: 49.597 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion: 62 Resp: 358719
Ion Ratio Lower Upper
62 100
98 7.7 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 52.911 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampled :

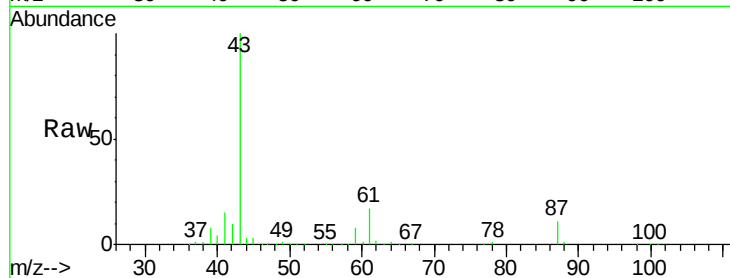
Tot Ion: 43 Resp: 441408

Ion Ratio Lower Upper

43 100

61 17.2 15.8 23.8

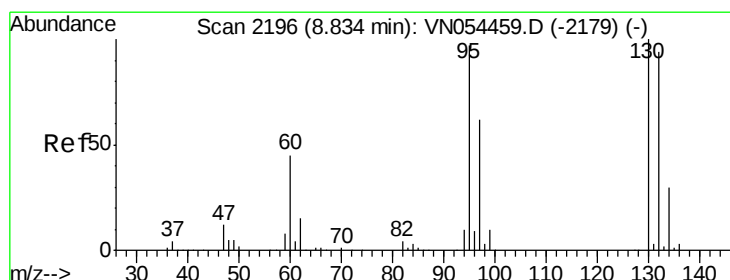
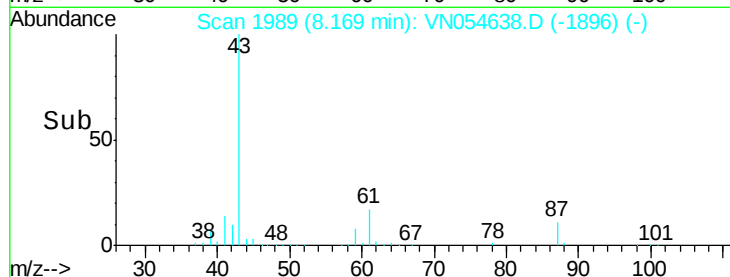
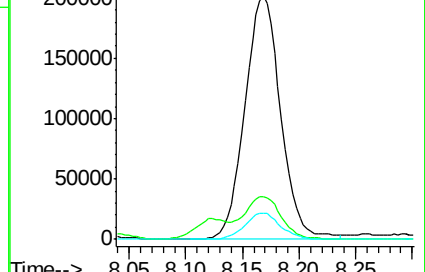
87 10.7 12.0 18.0#



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

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

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



#44

Trichloroethene

Concen: 47.204 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054638.D

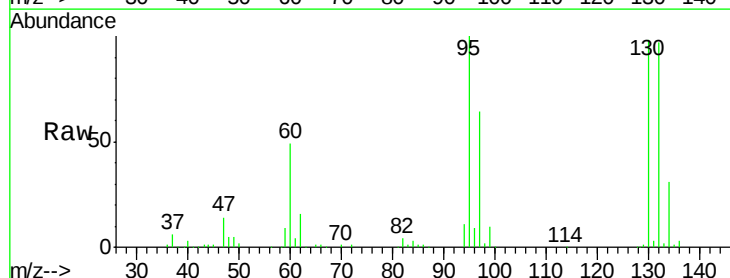
Acq: 24 Mar 2019 10:32

Tgt Ion:130 Resp: 260640

Ion Ratio Lower Upper

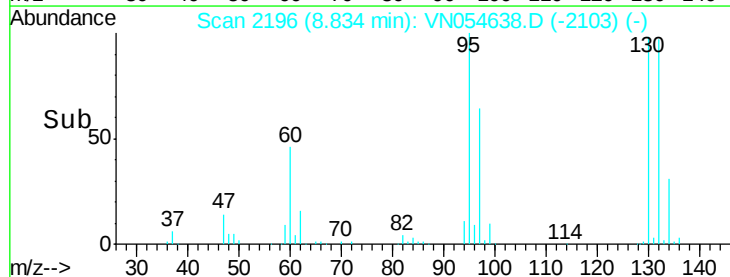
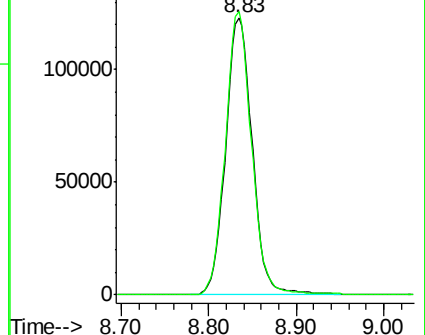
130 100

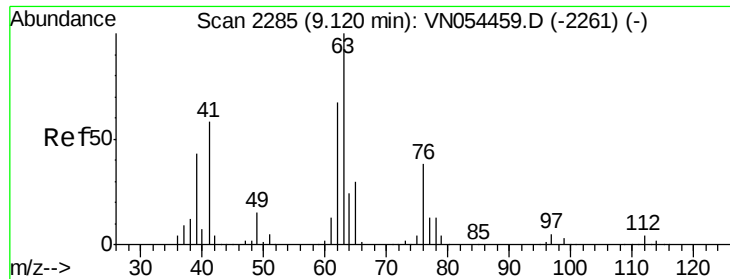
95 102.0 0.0 185.2



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

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

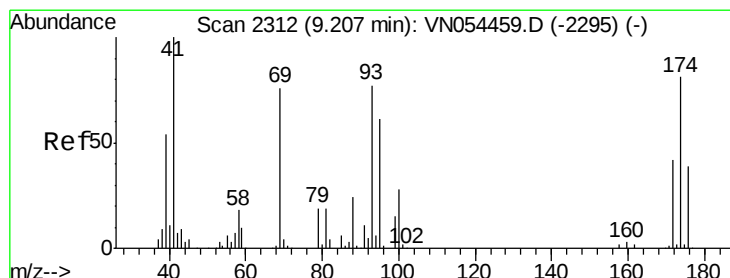
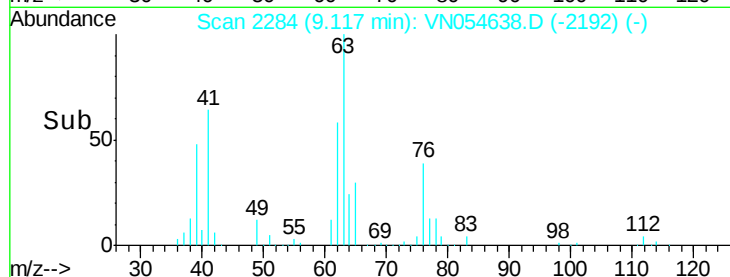
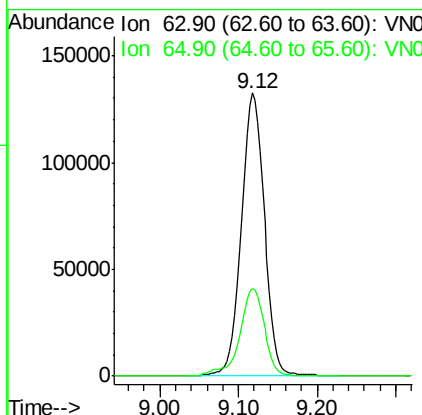
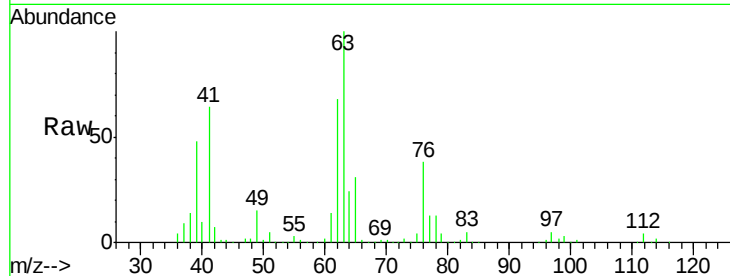




#45
 1,2-Dichloropropane
 Concen: 51.382 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

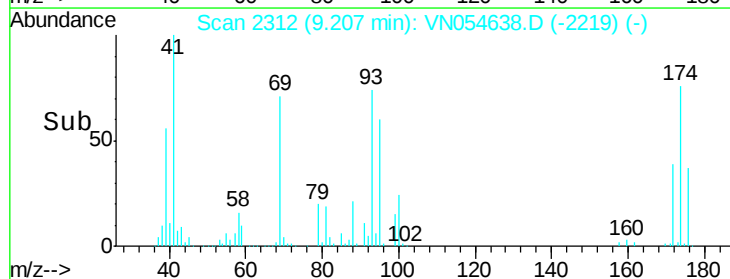
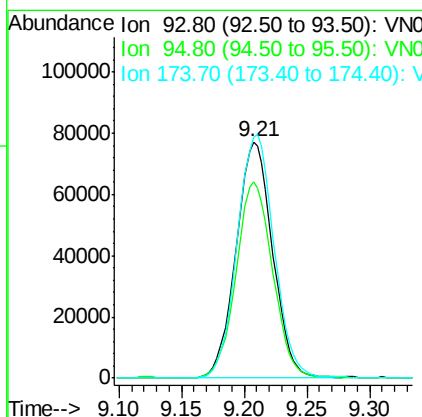
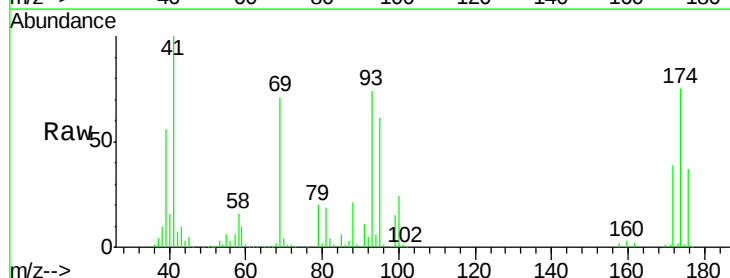
Instrument :
 MSVOA_N
 ClientSampled :

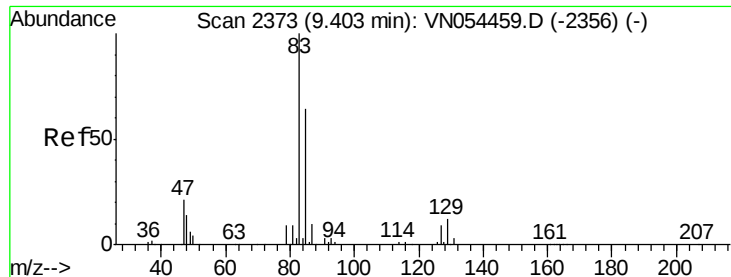
Tot Ion: 63 Resp: 274019
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6



#46
 Dibromomethane
 Concen: 49.115 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion: 93 Resp: 156258
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.7 100.1
 174 104.5 98.5 147.7





#47

Bromodichloromethane

Concen: 50.905 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :

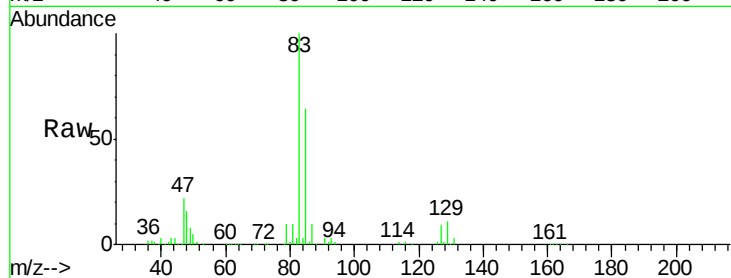
Tot Ion: 83 Resp: 336115

Ion Ratio Lower Upper

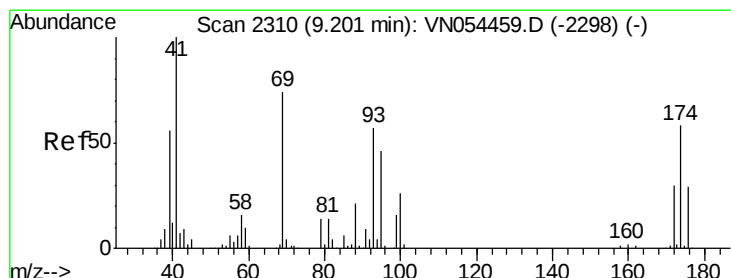
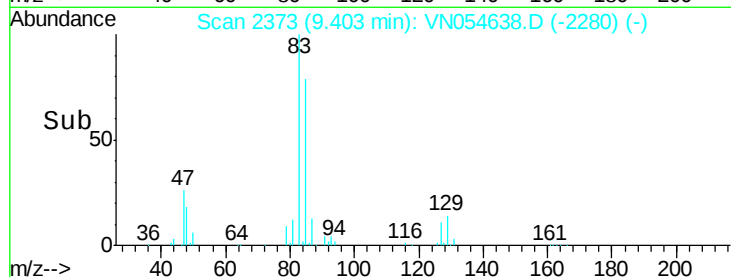
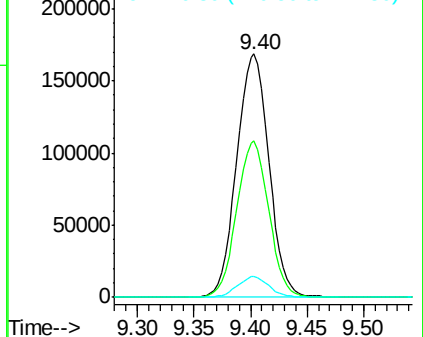
83 100

85 64.1 52.8 79.2

127 8.6 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 50.333 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

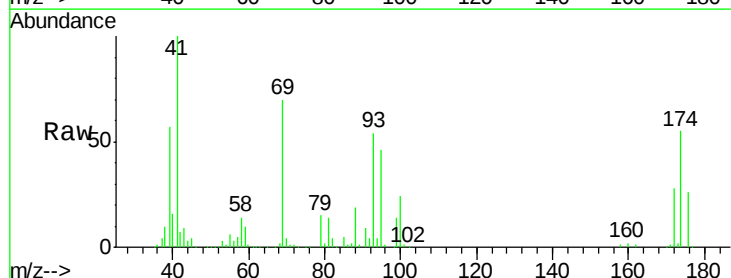
Tgt Ion: 41 Resp: 227905

Ion Ratio Lower Upper

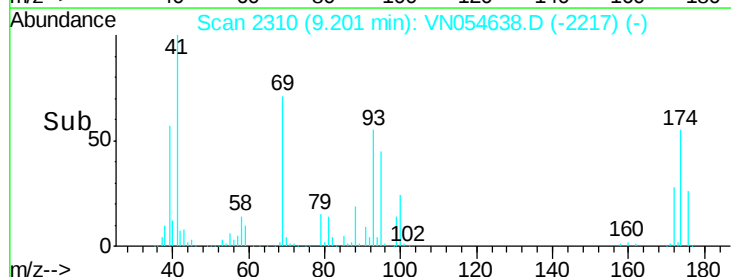
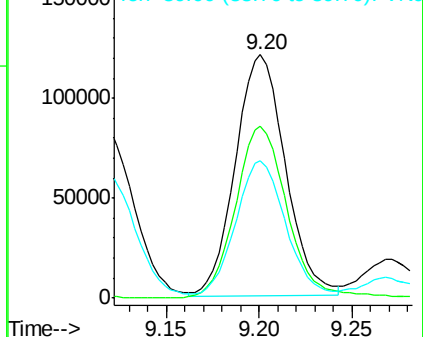
41 100

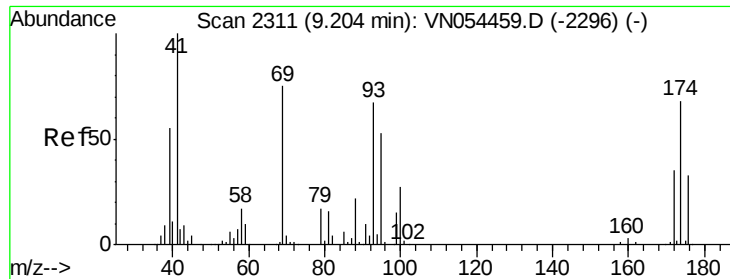
69 73.0 72.6 108.8

39 56.2 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 952.699 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampled :

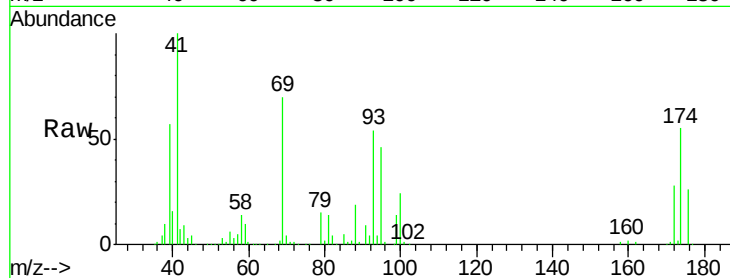
Tot Ion: 88 Resp: 48226

Ion Ratio Lower Upper

88 100

43 42.8 24.1 36.1#

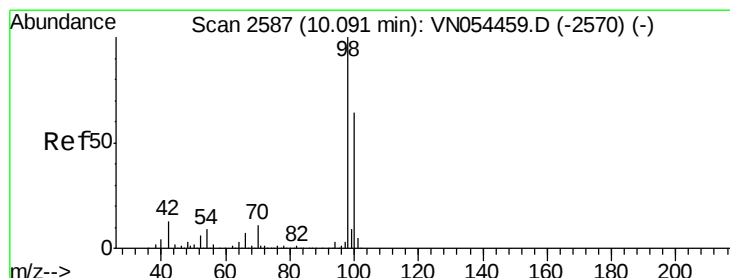
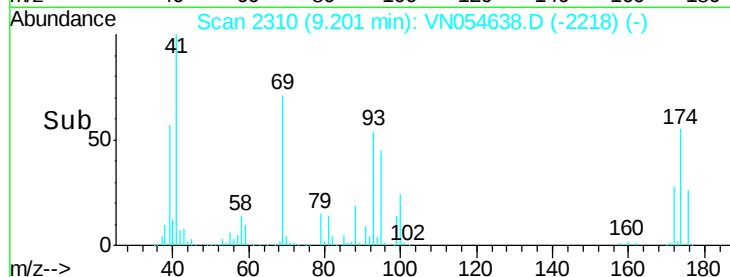
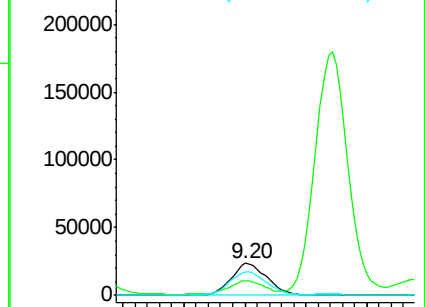
58 77.5 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)



#50

Toluene-d8

Concen: 48.370 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054638.D

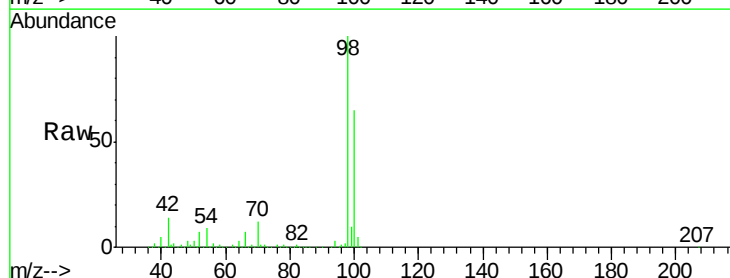
Acq: 24 Mar 2019 10:32

Tgt Ion: 98 Resp: 870209

Ion Ratio Lower Upper

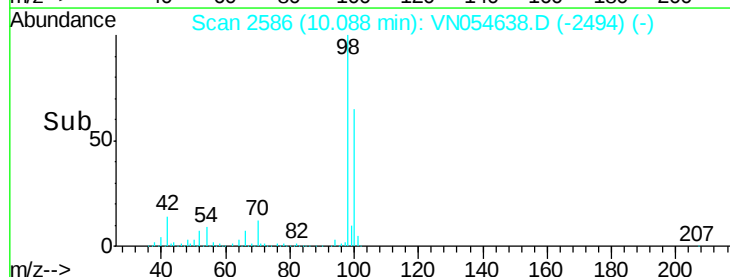
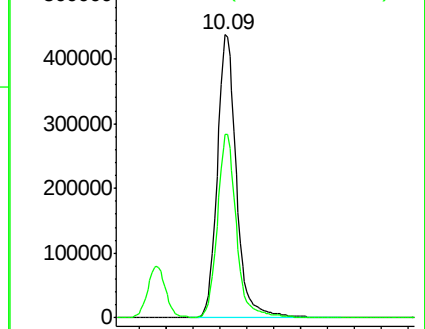
98 100

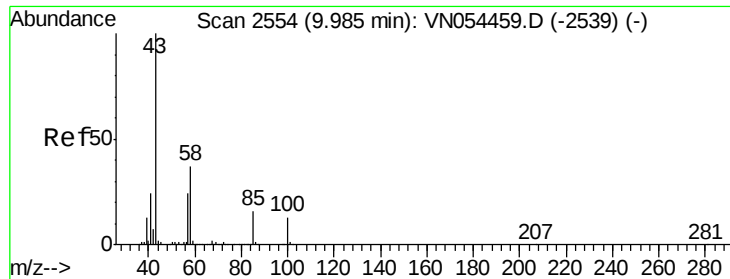
100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 267.437 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

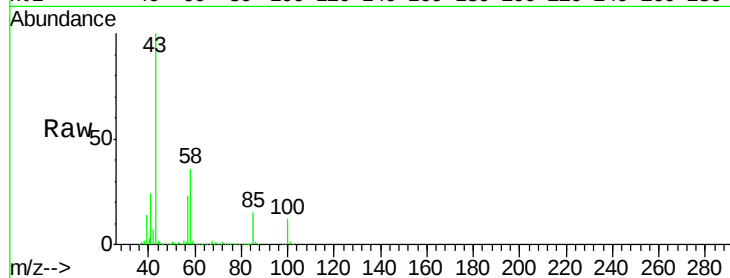
ClientSampled :

Tot Ion: 43 Resp: 1236478

Ion Ratio Lower Upper

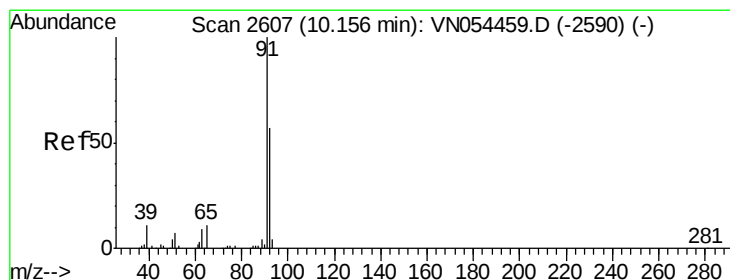
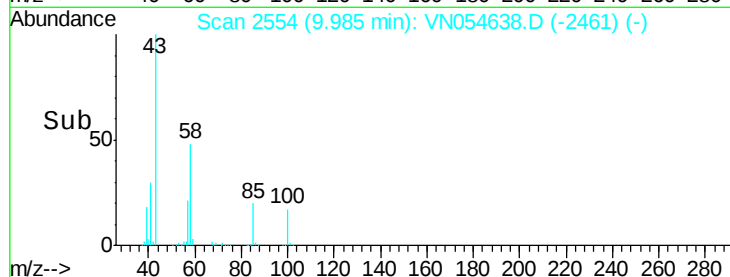
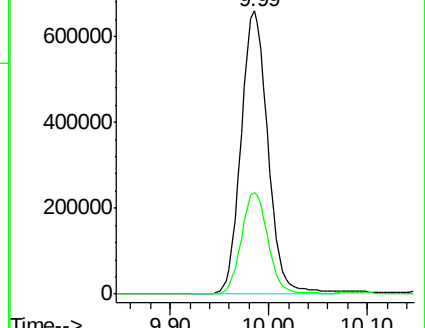
43 100

58 35.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2539) (-)



#52

Toluene

Concen: 48.357 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054638.D

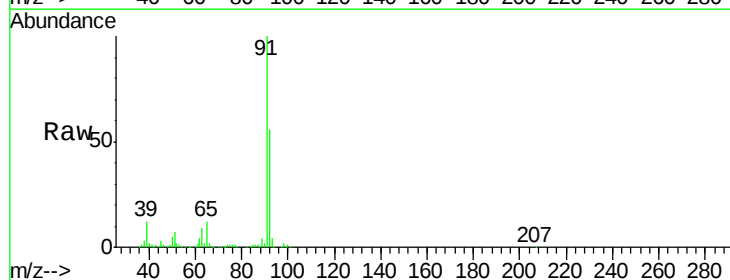
Acq: 24 Mar 2019 10:32

Tgt Ion: 92 Resp: 590682

Ion Ratio Lower Upper

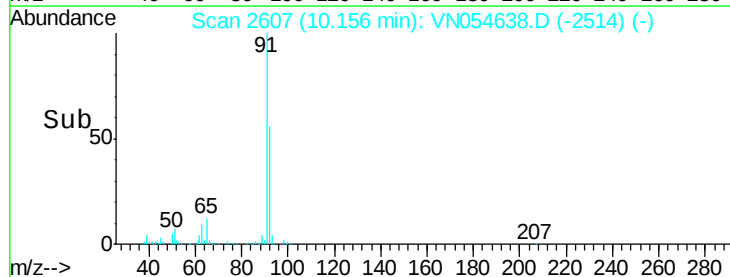
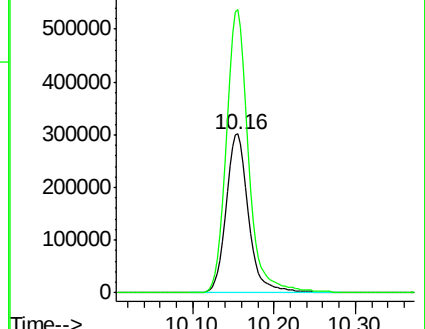
92 100

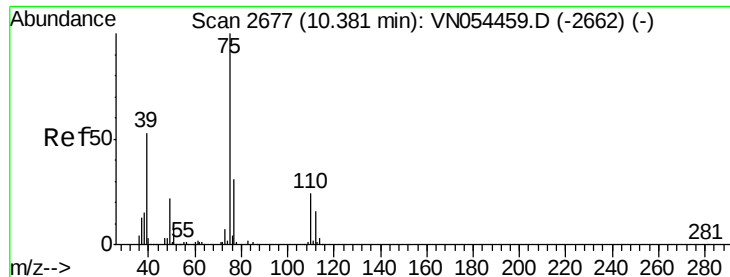
91 176.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054459.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054459.D (-2590) (-)





#53

t-1,3-Dichloropropene

Concen: 46.960 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

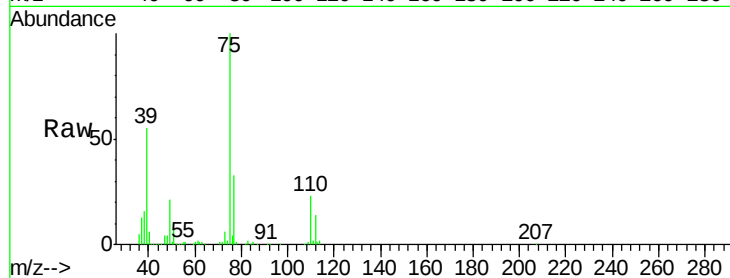
ClientSampleId :

Tot Ion: 75 Resp: 326094

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

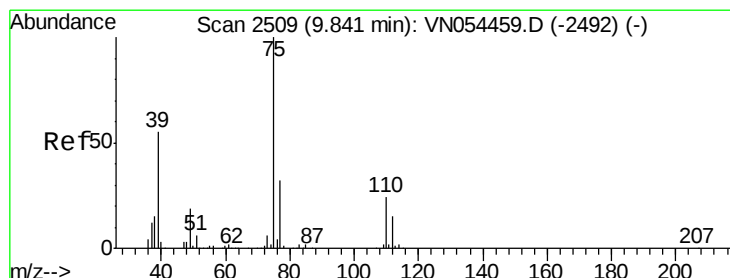
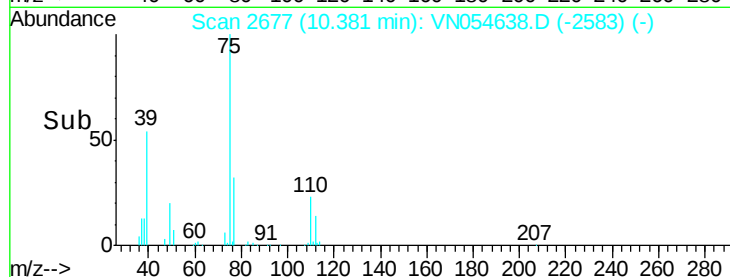
150000

100000

50000

0

Time--> 10.30 10.40



#54

cis-1,3-Dichloropropene

Concen: 52.597 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

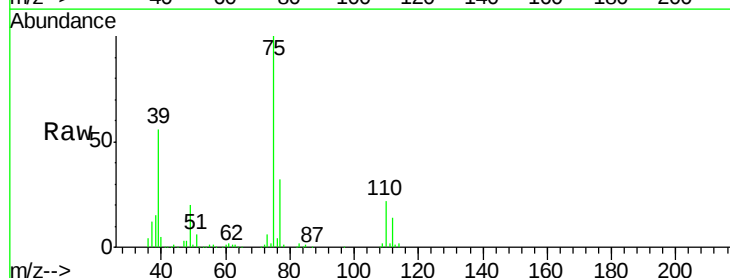
Tgt Ion: 75 Resp: 398199

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 56.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

300000

250000

200000

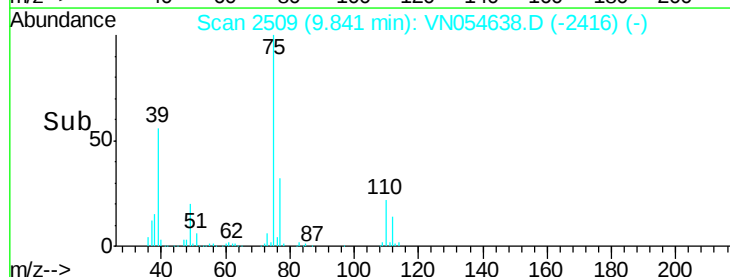
150000

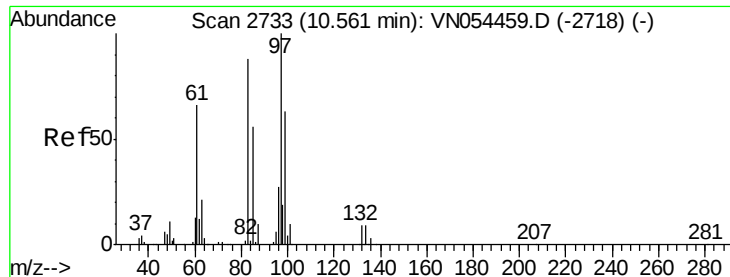
100000

50000

0

Time--> 9.70 9.80 9.90 10.00





#55

1,1,2-Trichloroethane

Concen: 49.537 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 217512

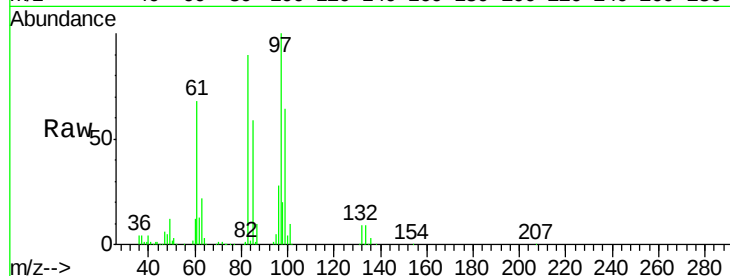
Ion	Ratio	Lower	Upper
97	100		
83	90.0	66.6	100.0
85	59.2	44.4	66.6
99	63.9	50.8	76.2

97 100

83 90.0 66.6 100.0

85 59.2 44.4 66.6

99 63.9 50.8 76.2

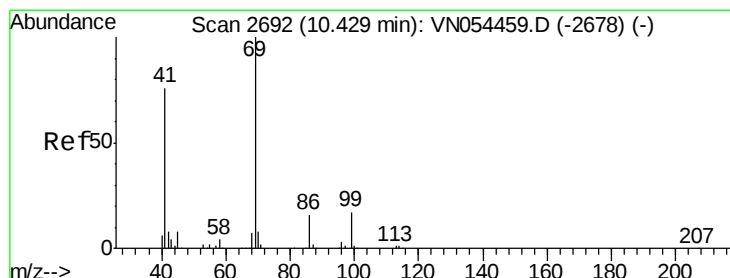
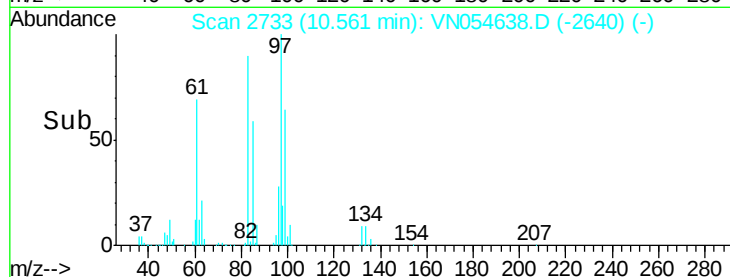
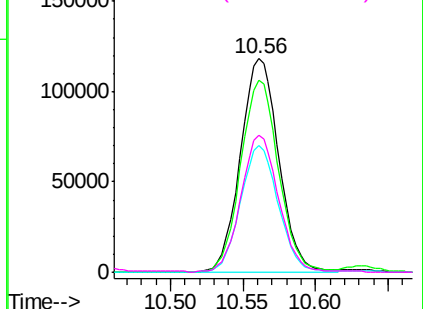


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.344 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

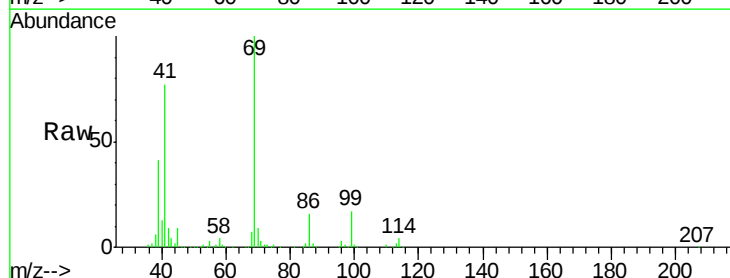
Tgt Ion: 69 Resp: 302591

Ion	Ratio	Lower	Upper
69	100		
41	77.0	49.4	74.2#
39	41.4	28.3	42.5

69 100

41 77.0 49.4 74.2#

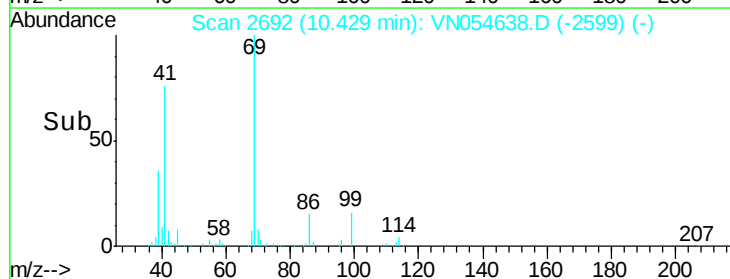
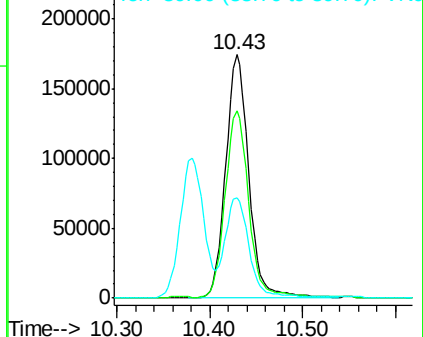
39 41.4 28.3 42.5

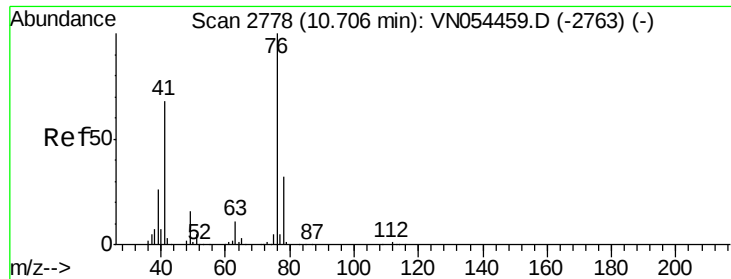


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

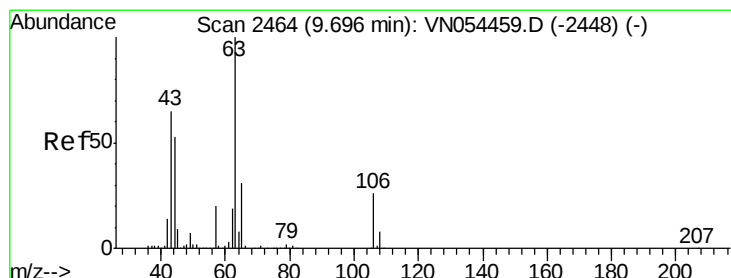
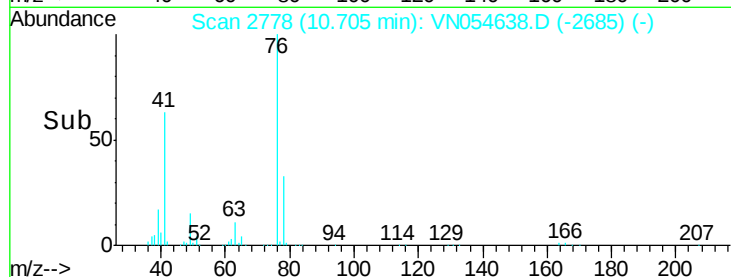
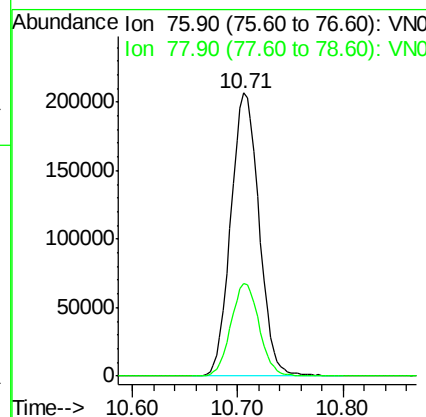
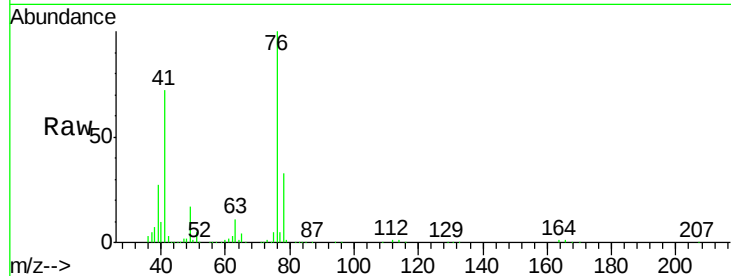




#57
 1,3-Dichloropropane
 Concen: 50.315 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

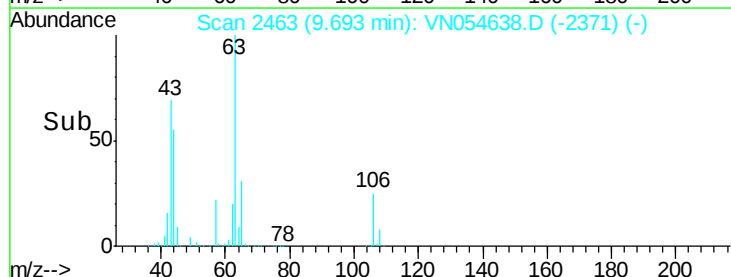
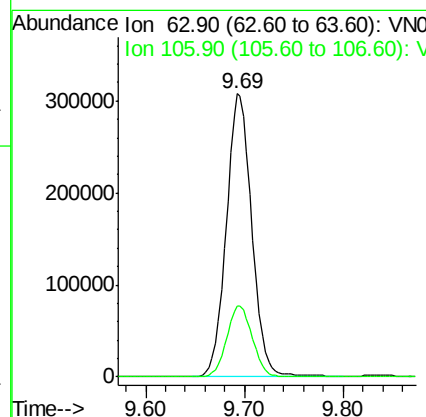
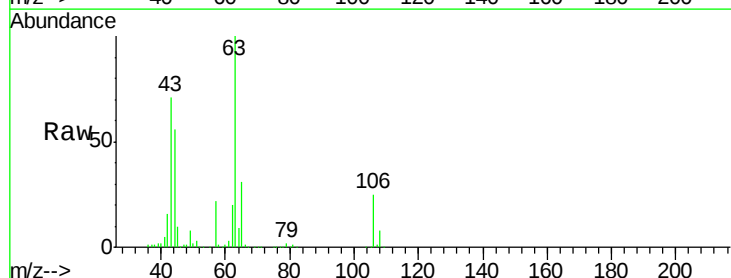
Instrument :
 MSVOA_N
 ClientSampled :

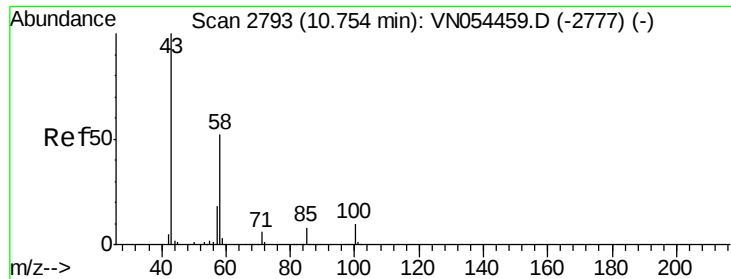
Tot Ion: 76 Resp: 384041
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.869 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion: 63 Resp: 557842
 Ion Ratio Lower Upper
 63 100
 106 25.1 24.4 36.6





#59

2-Hexanone

Concen: 276.588 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

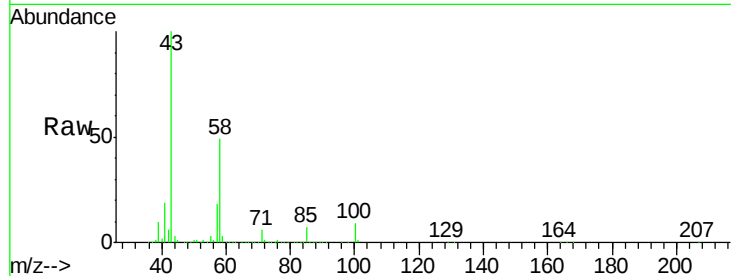
ClientSampled :

Tot Ion: 43 Resp: 835290

Ion Ratio Lower Upper

43 100

58 49.5 28.0 83.9



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-2777) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2777) (-)

10.75

500000

400000

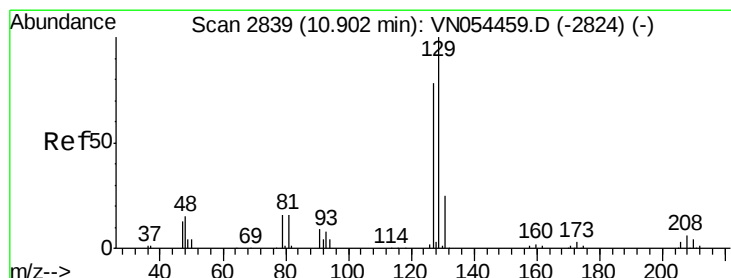
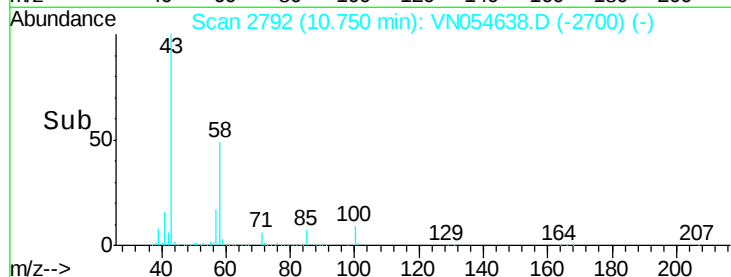
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#60

Dibromochloromethane

Concen: 50.739 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054638.D

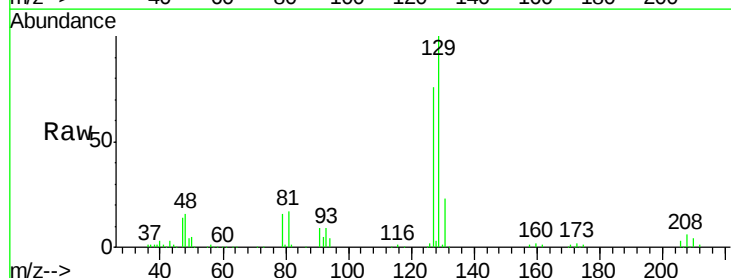
Acq: 24 Mar 2019 10:32

Tgt Ion: 129 Resp: 237067

Ion Ratio Lower Upper

129 100

127 75.8 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): VN054459.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN054459.D (-2824) (-)

10.90

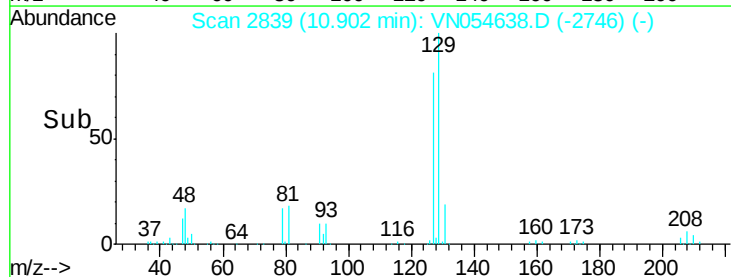
150000

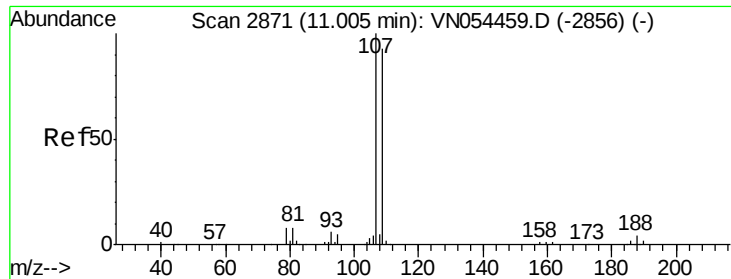
100000

50000

0

Time--> 10.80 10.90 11.00

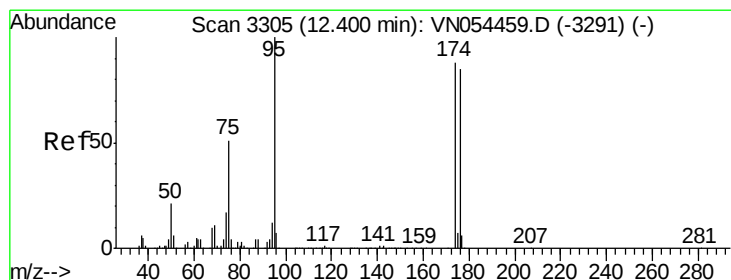
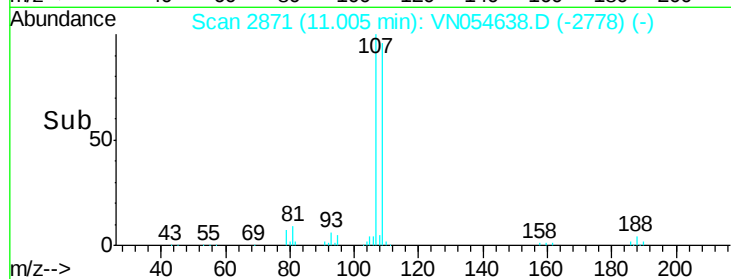
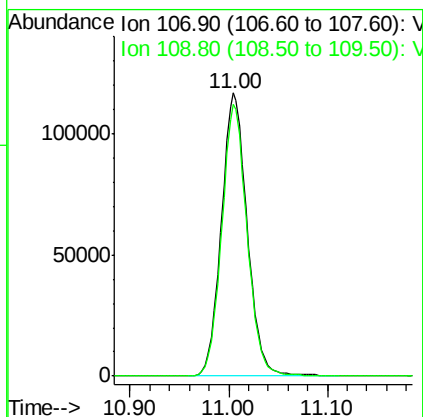
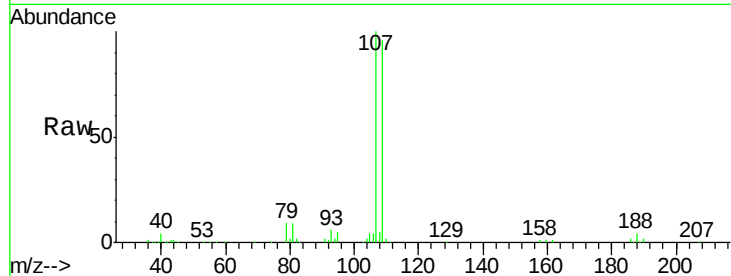




#61
 1,2-Dibromoethane
 Concen: 49.408 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

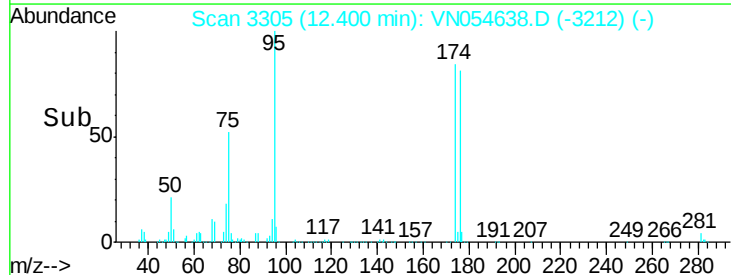
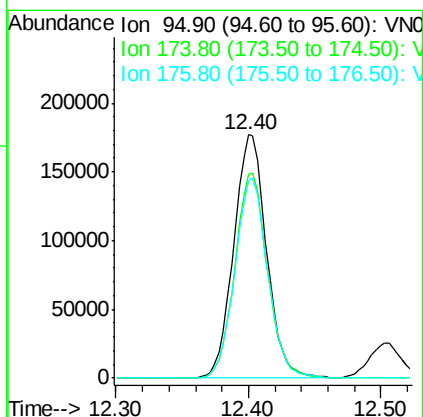
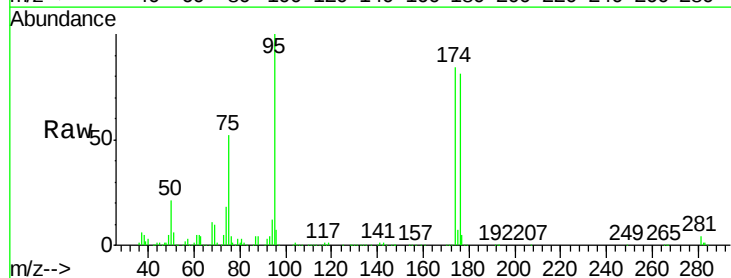
Instrument :
 MSVOA_N
 ClientSampled :

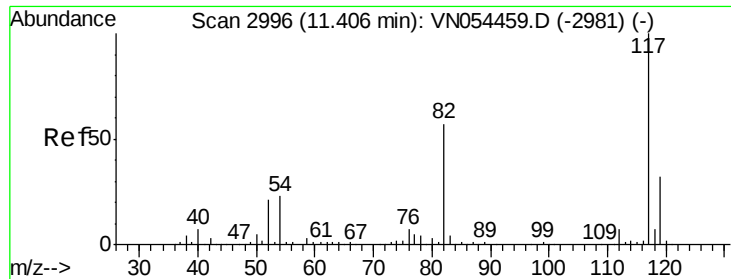
Tot Ion: 107 Resp: 214475
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 49.619 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion: 95 Resp: 303764
 Ion Ratio Lower Upper
 95 100
 174 84.0 0.0 191.0
 176 82.3 0.0 187.4

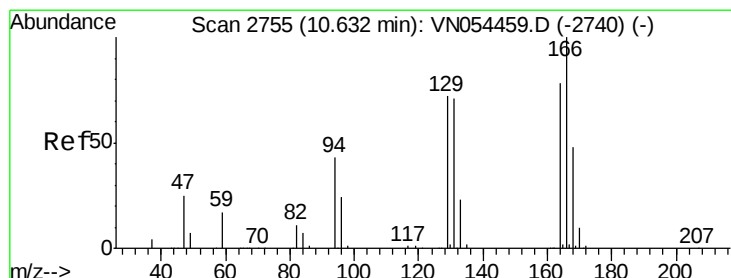
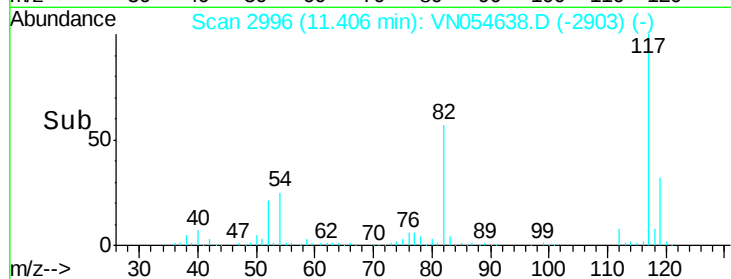
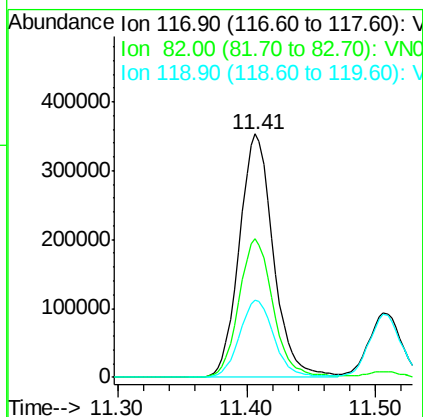
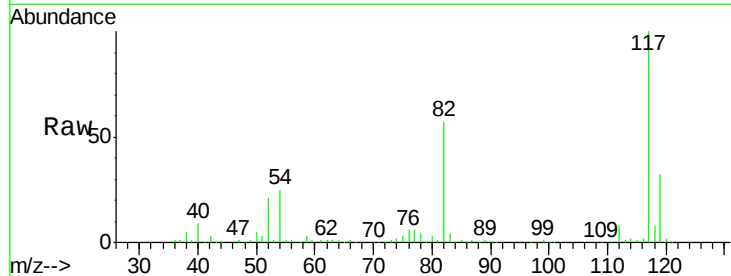




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

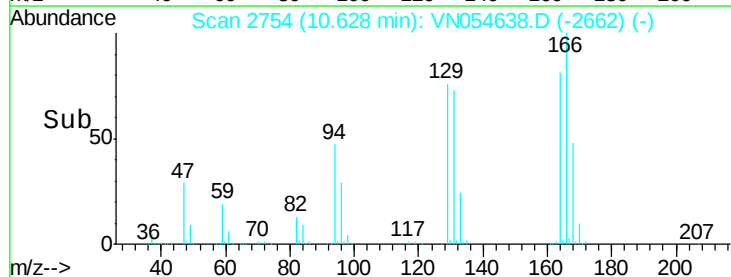
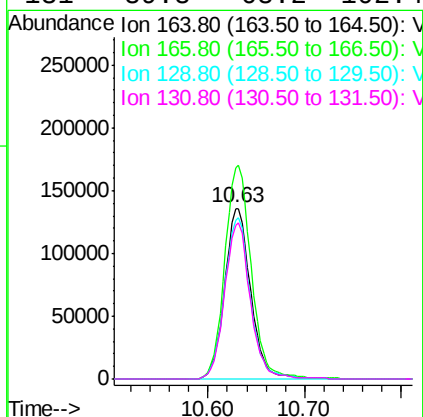
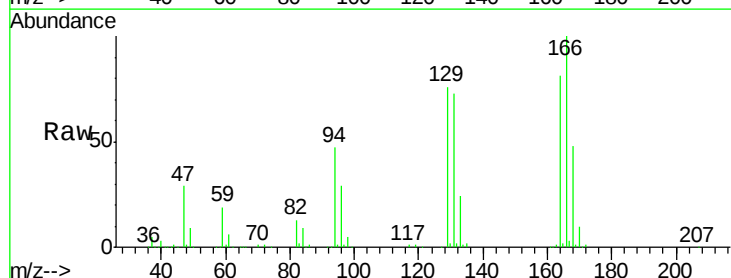
Instrument :
MSVOA_N
ClientSampled :

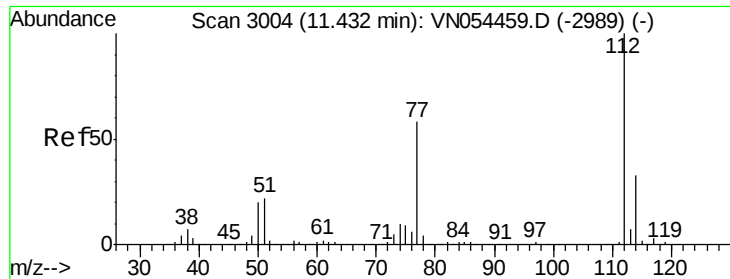
Tot Ion:117 Resp: 648232
Ion Ratio Lower Upper
117 100
82 56.8 40.0 60.0
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 47.161 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion:164 Resp: 253574
Ion Ratio Lower Upper
164 100
166 123.2 103.9 155.9
129 93.1 71.1 106.7
131 89.8 68.2 102.4

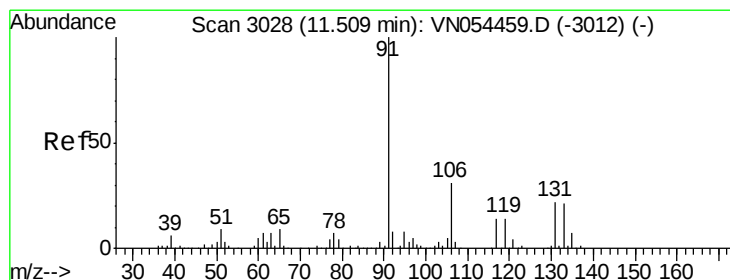
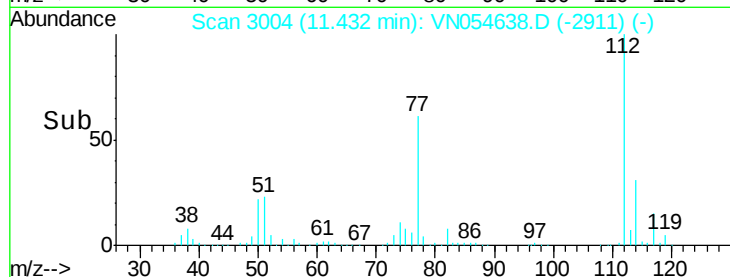
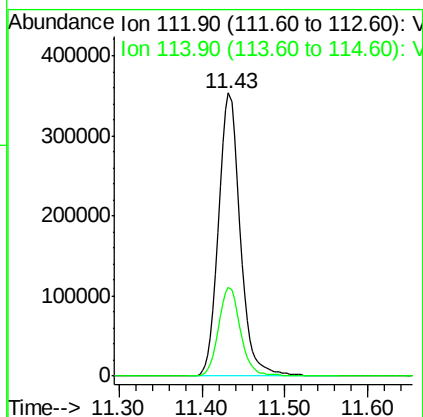
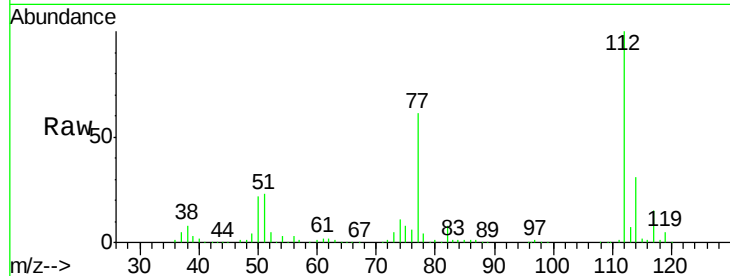




#65
Chlorobenzene
Concen: 48.388 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

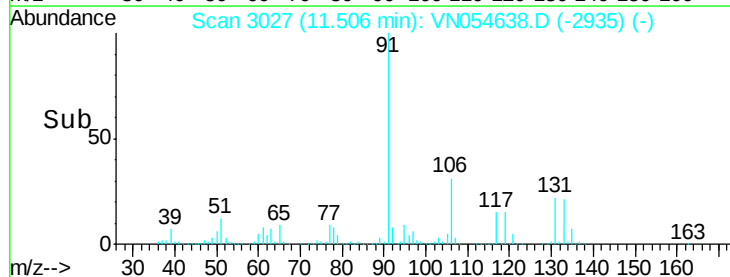
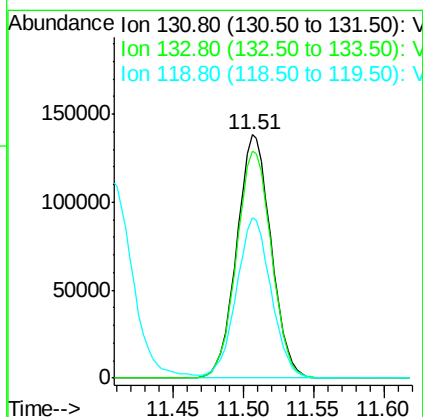
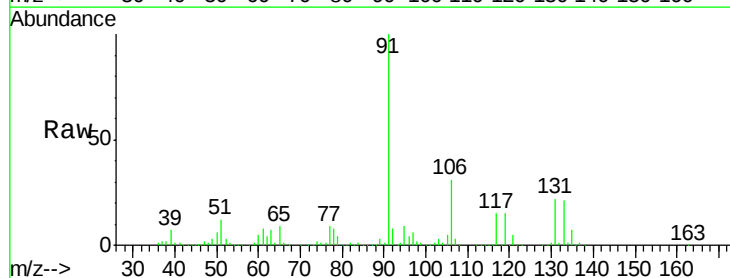
Instrument :
MSVOA_N
ClientSampled :

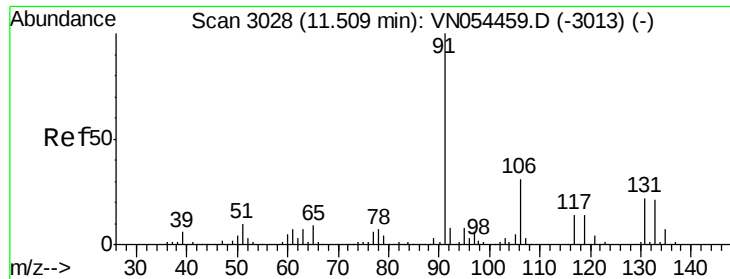
Tot Ion:112 Resp: 637963
Ion Ratio Lower Upper
112 100
114 31.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.910 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion:131 Resp: 236186
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 66.1 32.4 97.0

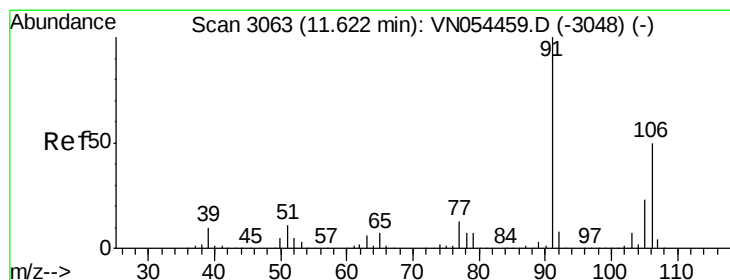
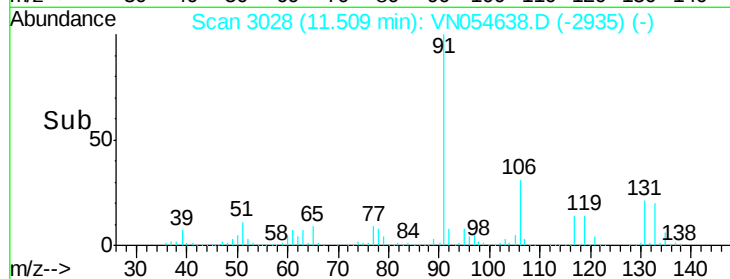
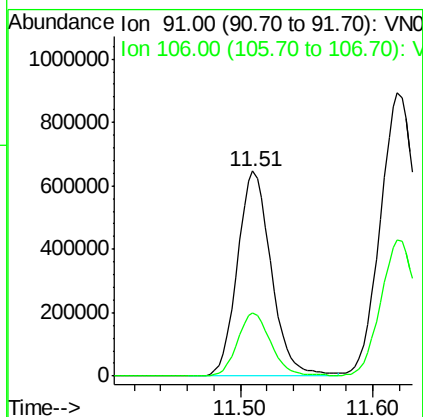
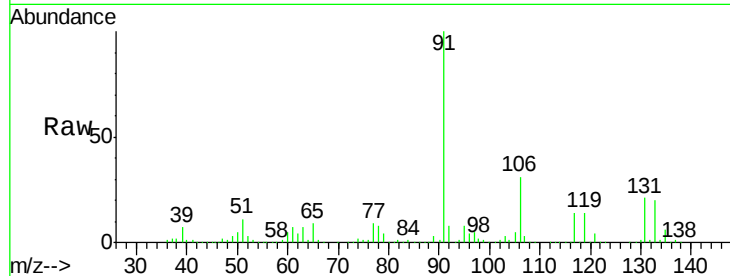




#67
Ethyl Benzene
Concen: 49.297 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

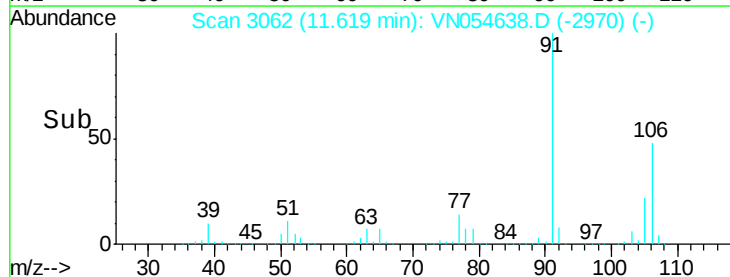
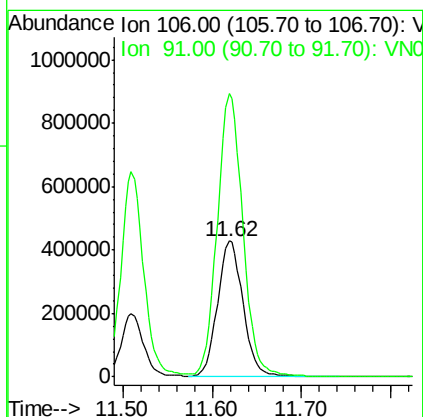
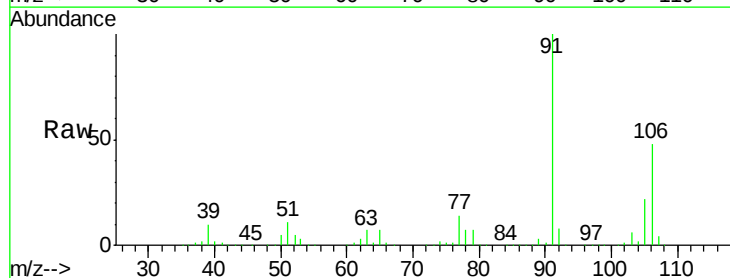
Instrument :
MSVOA_N
ClientSampled :

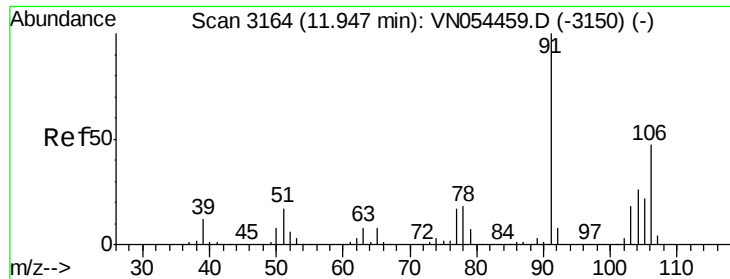
Tot Ion: 91 Resp: 1148096
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3



#68
m/p-Xylenes
Concen: 96.884 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion: 106 Resp: 854644
Ion Ratio Lower Upper
106 100
91 208.0 159.4 239.2

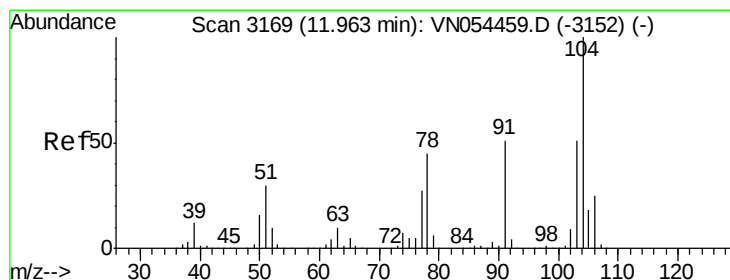
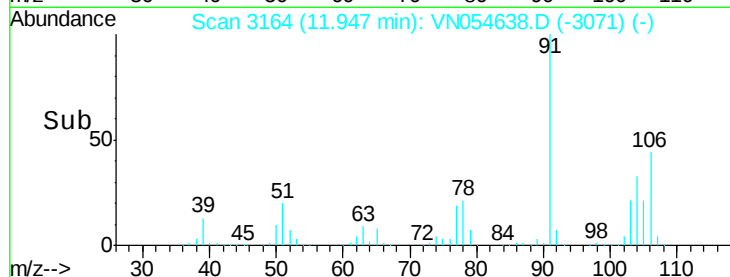
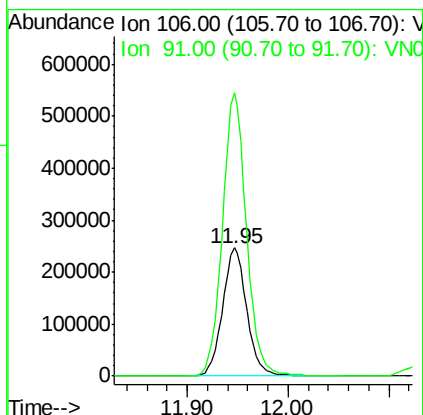
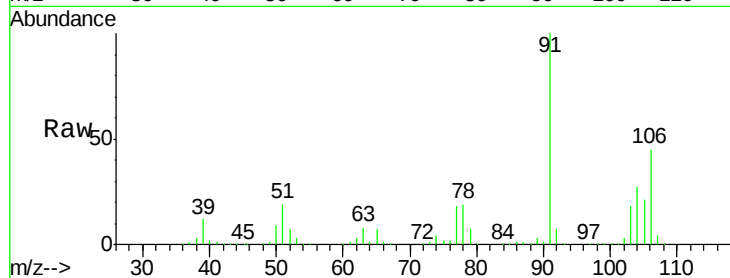




#69
o-Xylene
Concen: 48.040 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

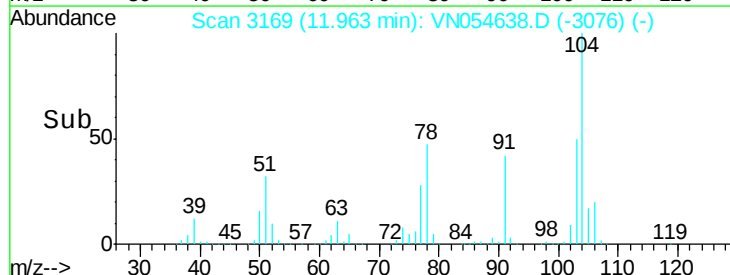
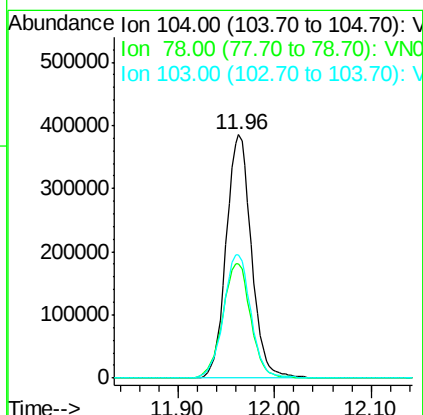
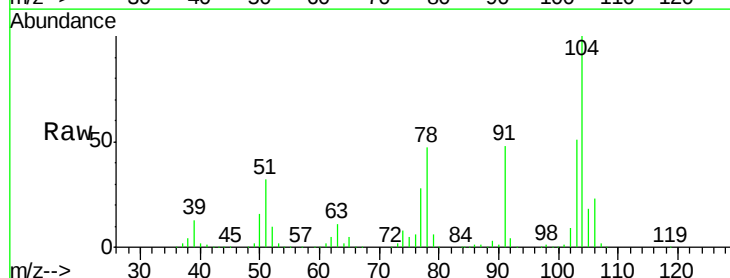
Instrument :
MSVOA_N
ClientSampled :

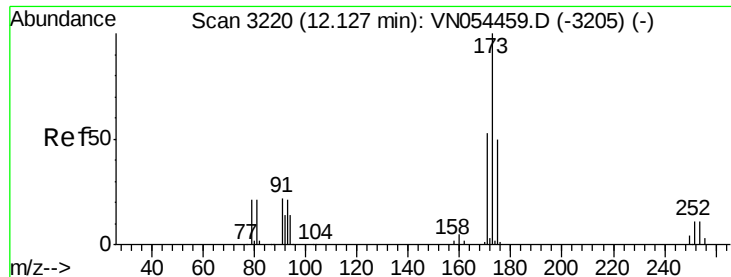
Tot Ion:106 Resp: 413863
Ion Ratio Lower Upper
106 100
91 218.8 105.7 317.1



#70
Styrene
Concen: 49.851 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion:104 Resp: 697419
Ion Ratio Lower Upper
104 100
78 52.4 38.2 57.2
103 55.0 44.4 66.6

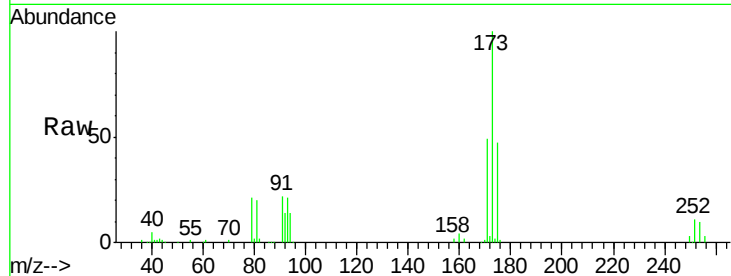




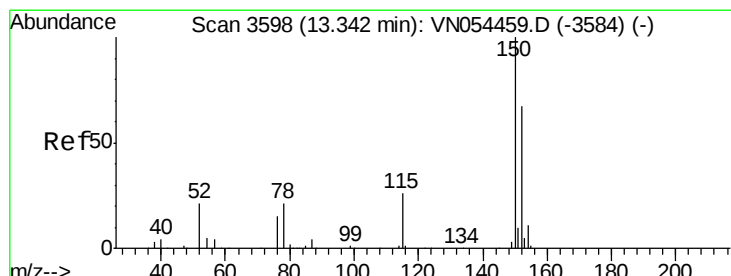
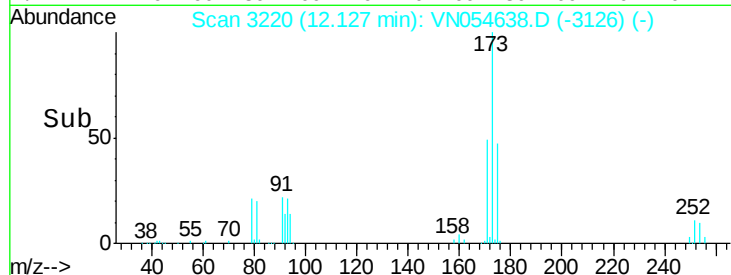
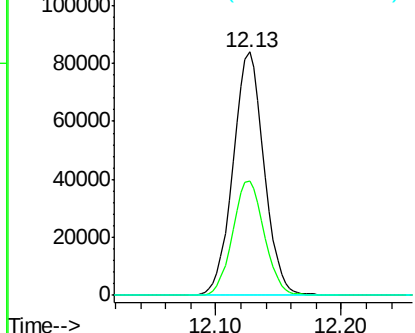
#71
Bromoform
Concen: 44.386 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 143961
Ion Ratio Lower Upper
173 100
175 47.9 24.4 73.2
254 0.1 0.1 0.1#

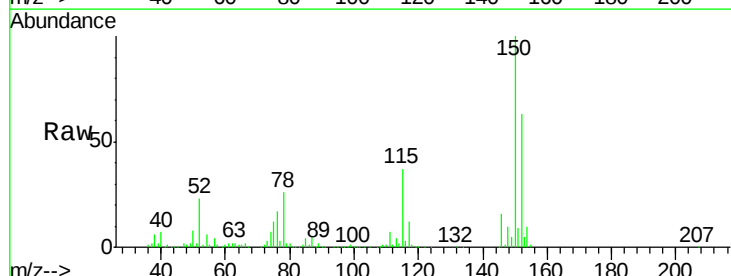


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

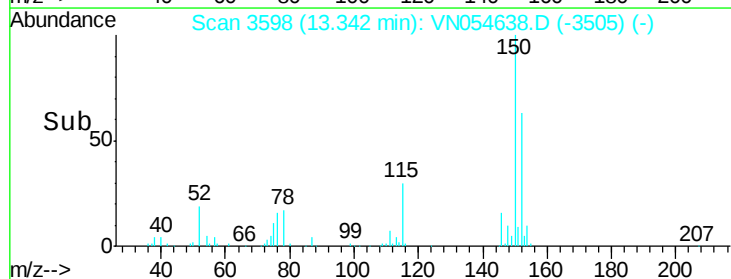
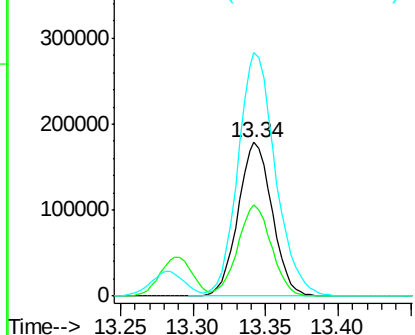


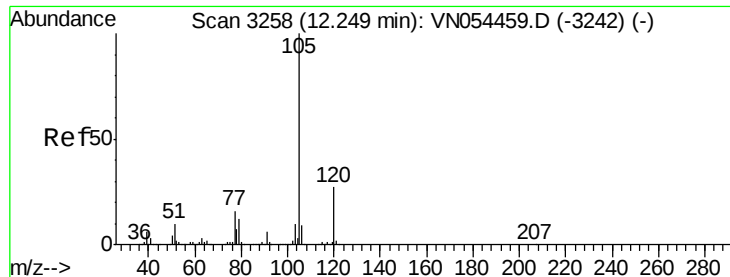
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion:152 Resp: 292430
Ion Ratio Lower Upper
152 100
115 58.4 27.2 81.6
150 173.4 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: 46.966 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

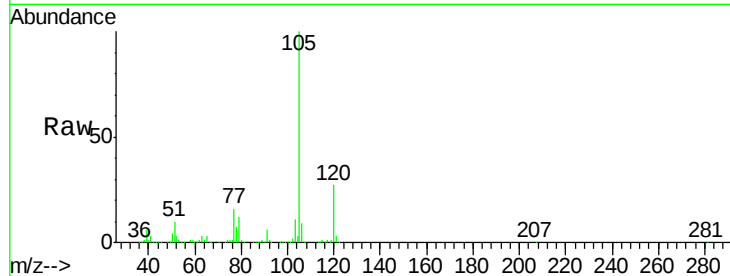
ClientSampleId :

Tot Ion:105 Resp: 1106730

Ion Ratio Lower Upper

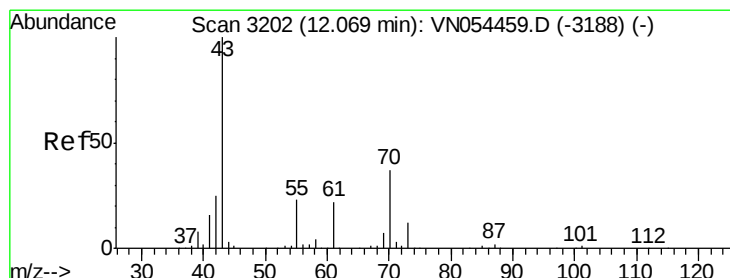
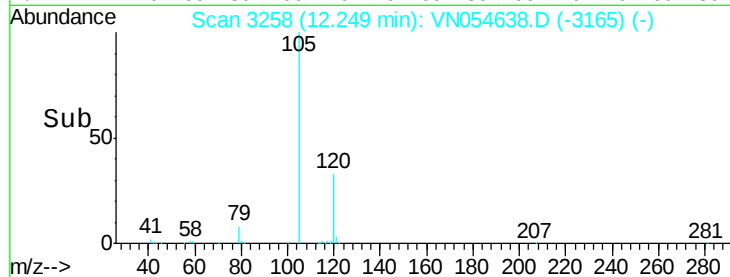
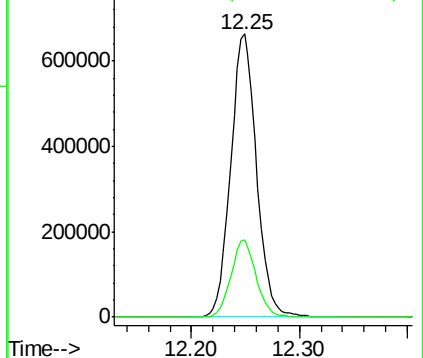
105 100

120 26.6 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: 53.690 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Tgt Ion: 43 Resp: 363788

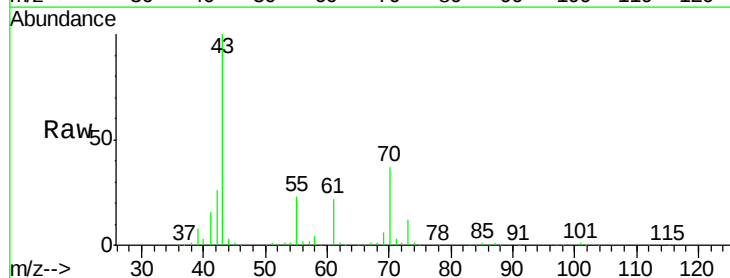
Ion Ratio Lower Upper

43 100

70 36.6 35.4 53.0

55 22.9 19.8 29.6

61 21.8 19.8 29.6

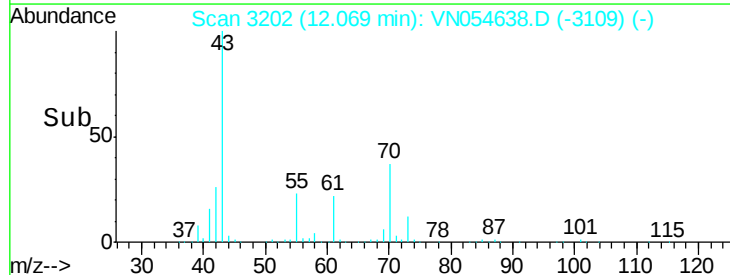
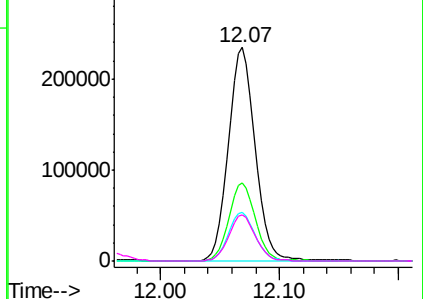


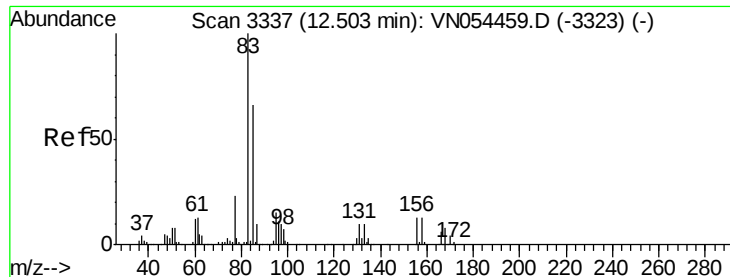
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.372 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

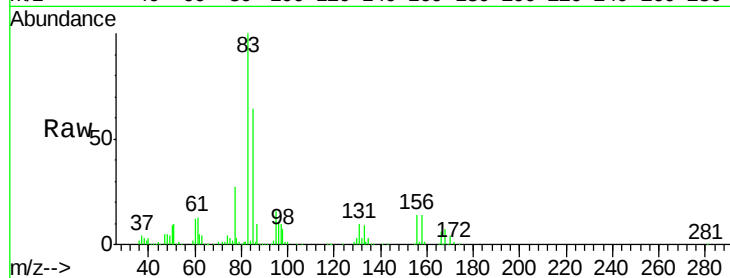
Tot Ion: 83 Resp: 270964

Ion Ratio Lower Upper

83 100

131 10.1 5.8 17.4

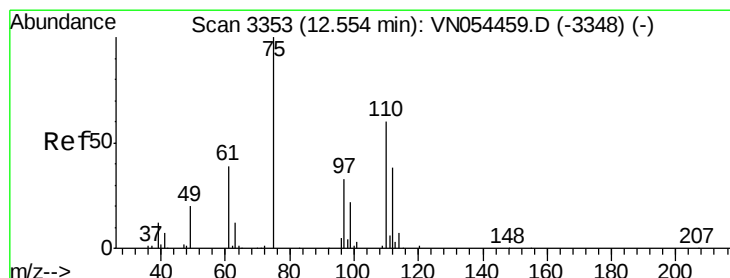
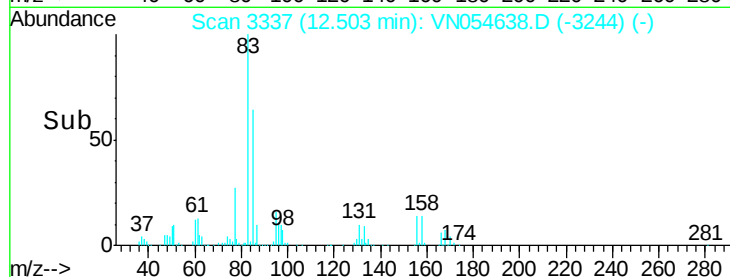
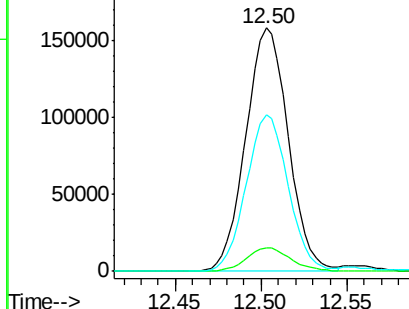
85 63.3 32.2 96.6



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

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

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



#76

1,2,3-Trichloropropane

Concen: 69.806 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054638.D

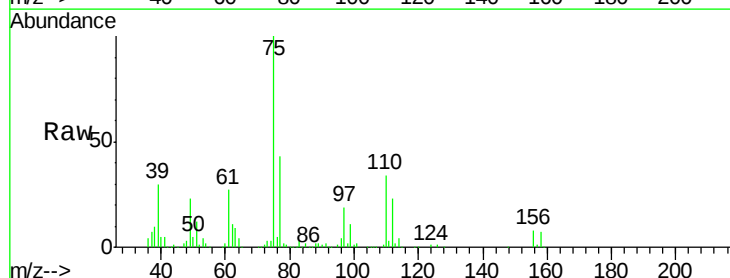
Acq: 24 Mar 2019 10:32

Tgt Ion: 75 Resp: 323931

Ion Ratio Lower Upper

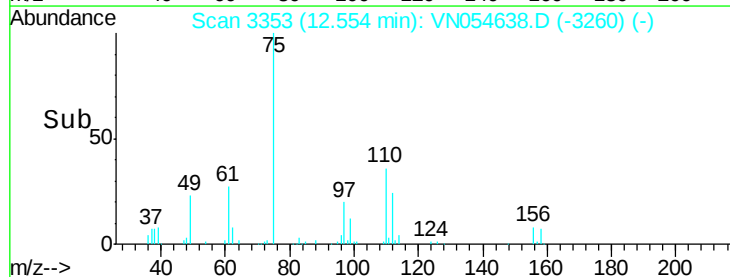
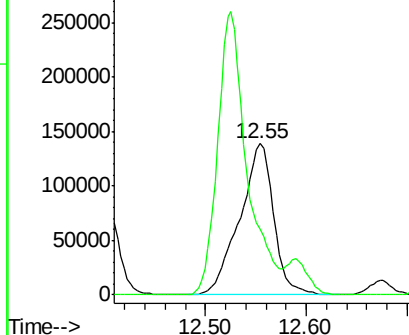
75 100

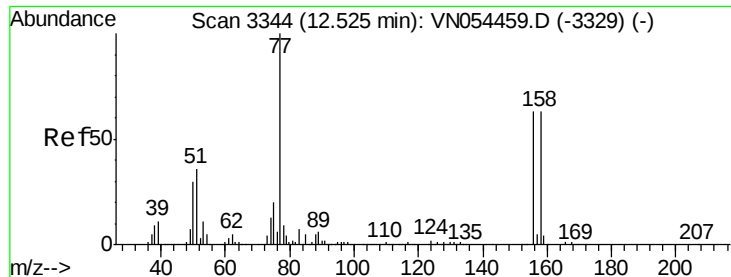
77 0.0 0.0 0.0



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

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





#77

Bromobenzene

Concen: 46.836 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampled :

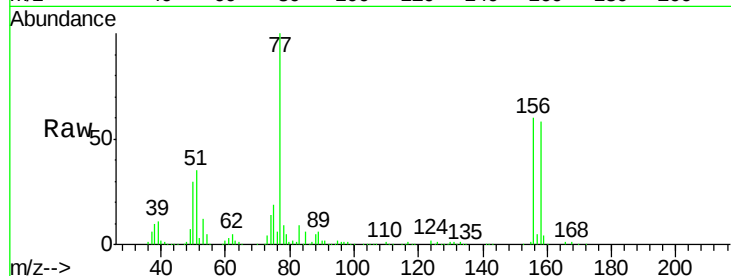
Tot Ion:156 Resp: 273728

Ion Ratio Lower Upper

156 100

77 192.2 81.5 244.4

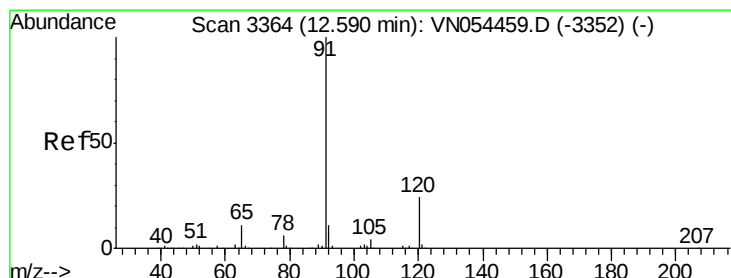
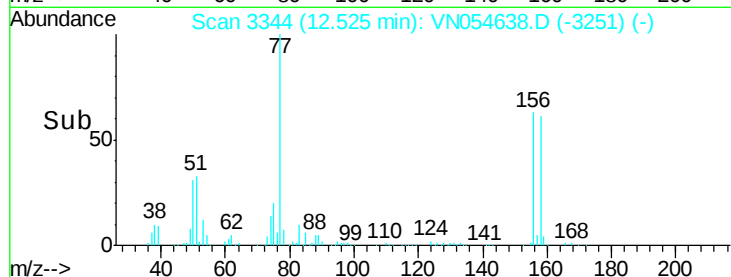
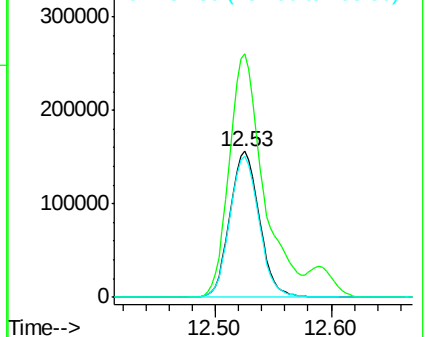
158 96.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.075 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054638.D

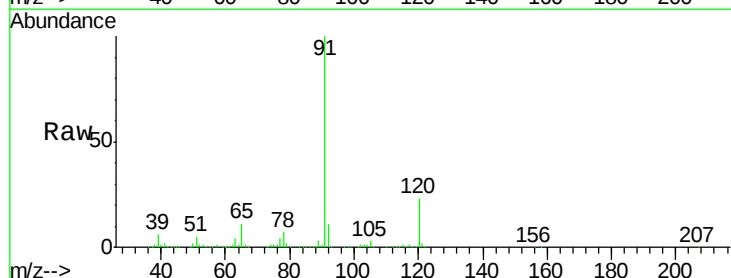
Acq: 24 Mar 2019 10:32

Tgt Ion: 91 Resp: 1253991

Ion Ratio Lower Upper

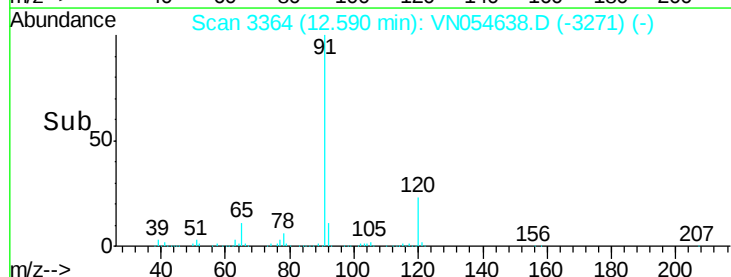
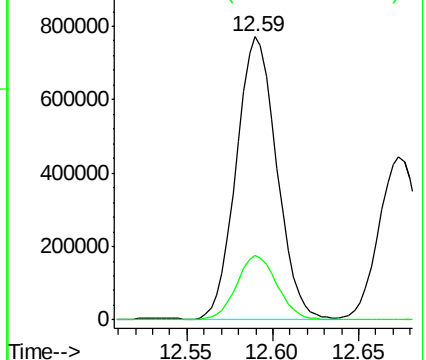
91 100

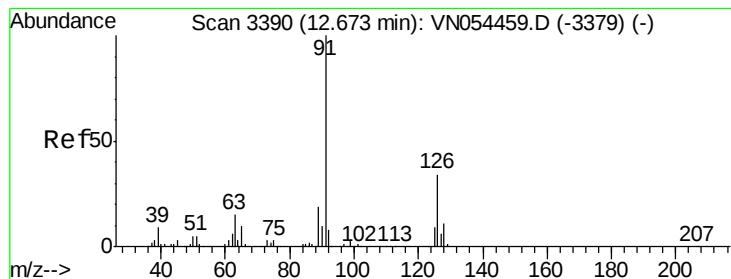
120 23.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.241 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

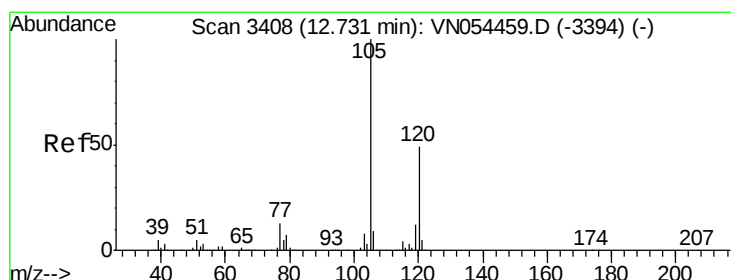
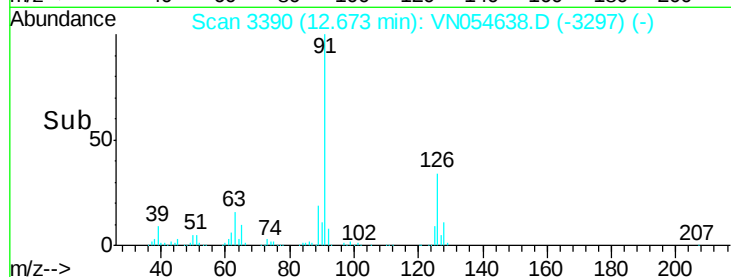
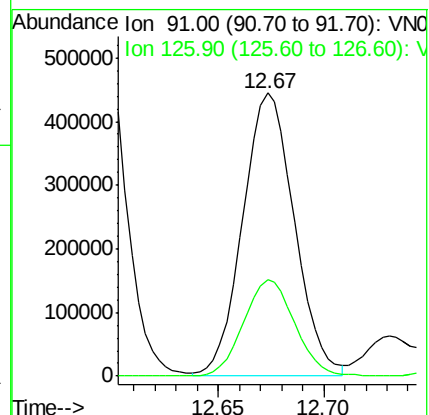
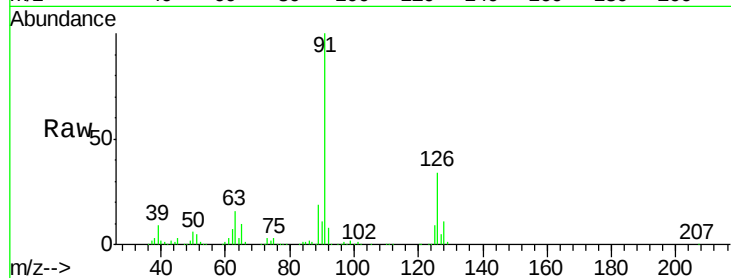
ClientSampleId :

Tot Ion: 91 Resp: 752755

Ion Ratio Lower Upper

91 100

126 34.2 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 47.378 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054638.D

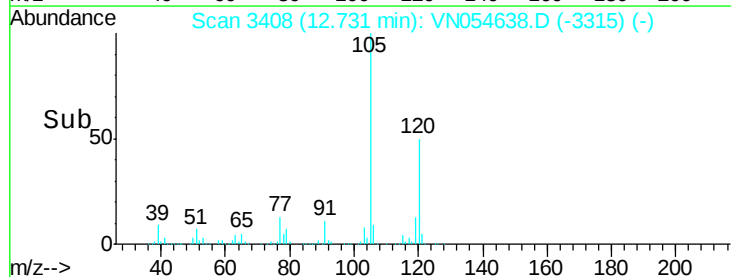
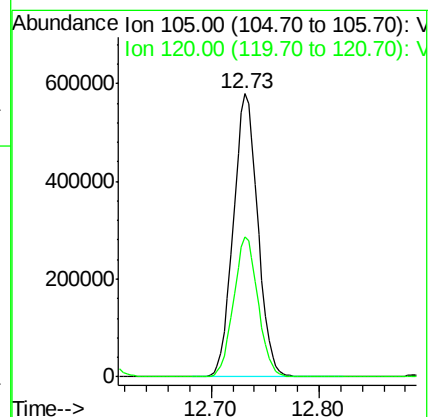
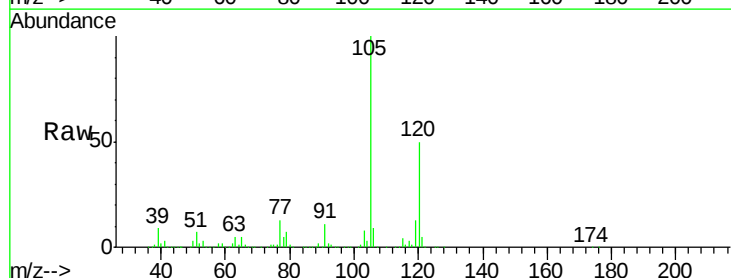
Acq: 24 Mar 2019 10:32

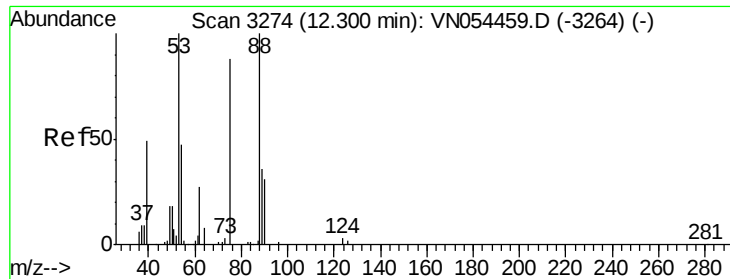
Tgt Ion: 105 Resp: 915013

Ion Ratio Lower Upper

105 100

120 49.3 25.0 75.0

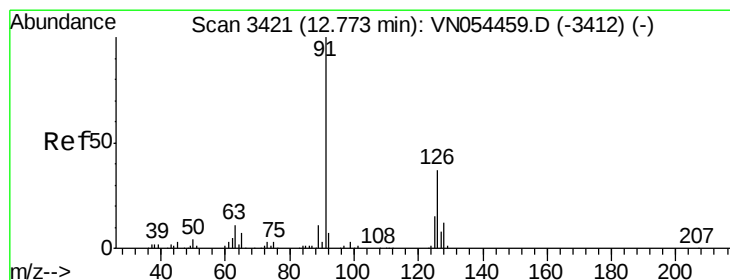
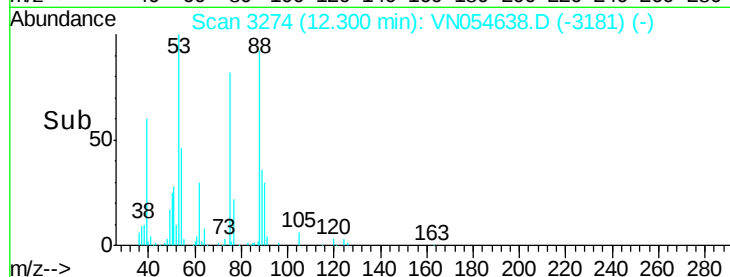
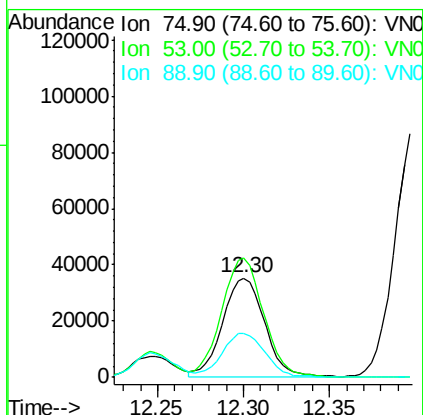
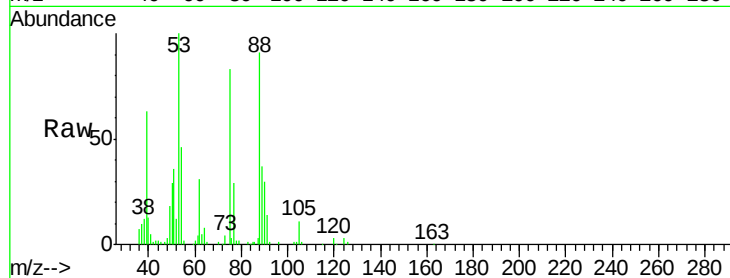




#81
trans-1,4-Dichloro-2-butene
Concen: 44.179 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

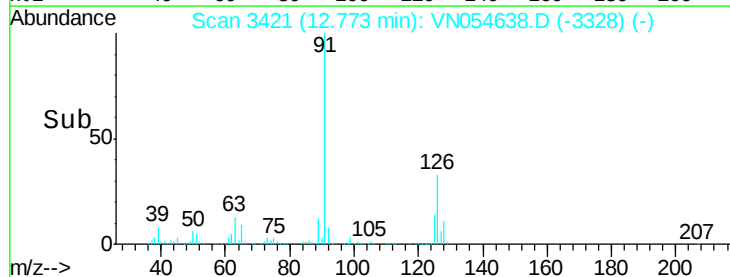
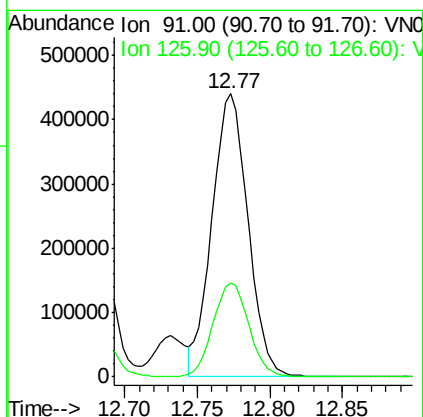
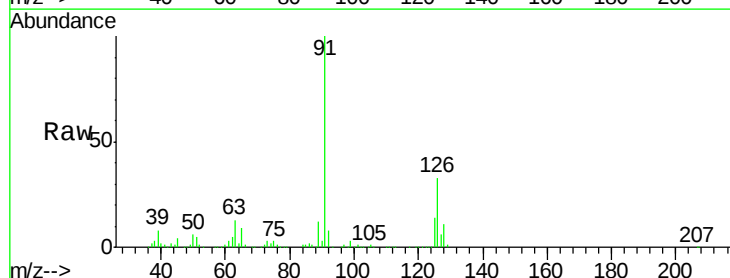
Instrument :
MSVOA_N
ClientSampled :

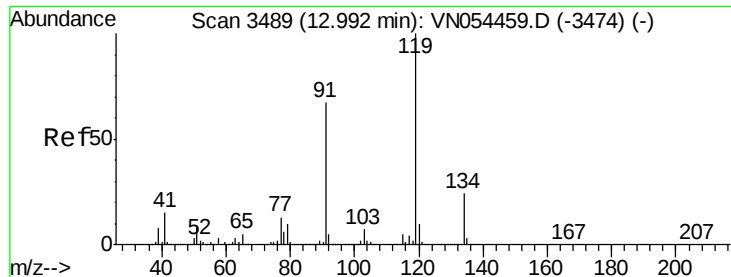
Tot Ion: 75 Resp: 58937
Ion Ratio Lower Upper
75 100
53 123.1 76.2 114.2#
89 46.5 39.2 58.8



#82
4-Chlorotoluene
Concen: 49.061 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion: 91 Resp: 757772
Ion Ratio Lower Upper
91 100
126 33.1 18.1 54.1

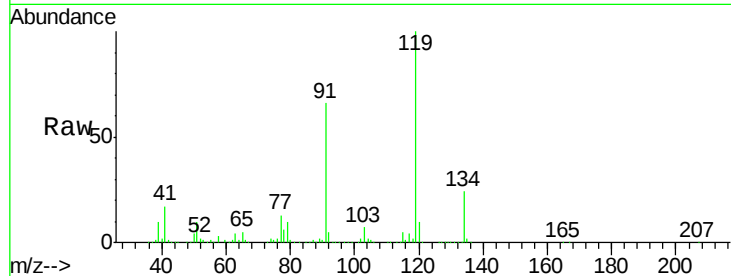




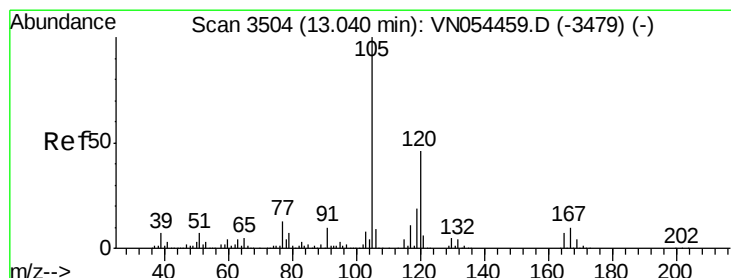
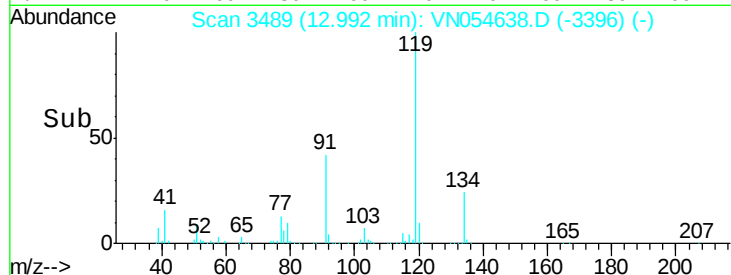
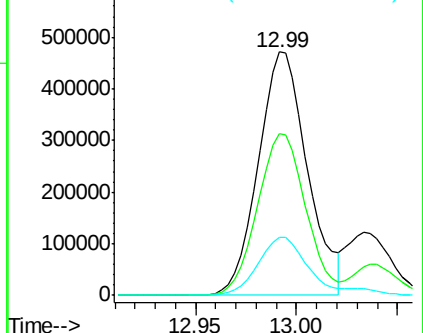
#83
tert-Butylbenzene
Concen: 47.483 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 798246
Ion Ratio Lower Upper
119 100
91 65.1 30.9 92.8
134 25.7 13.2 39.6

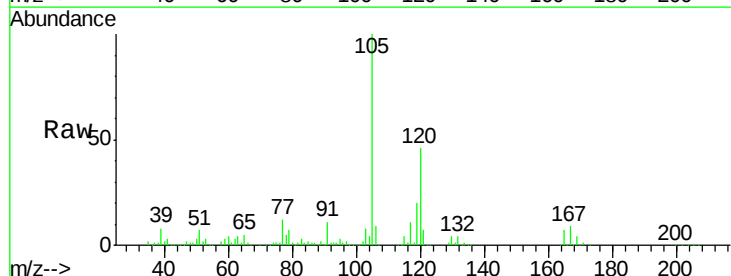


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

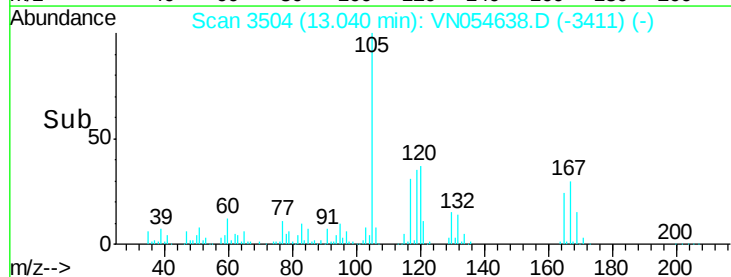
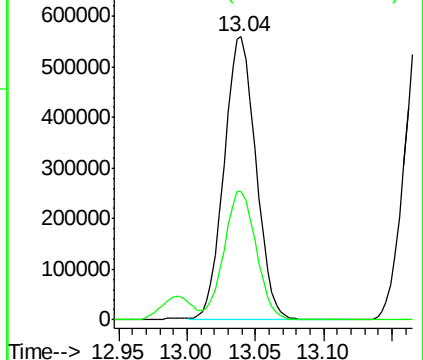


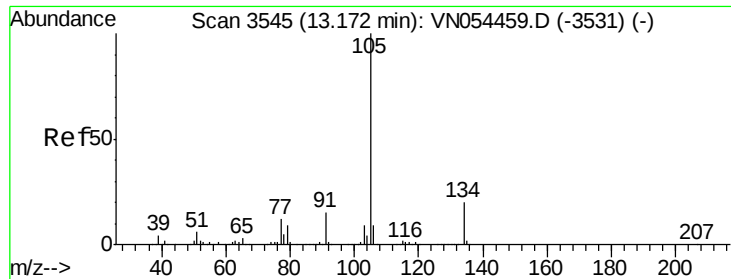
#84
1,2,4-Trimethylbenzene
Concen: 47.913 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054638.D
Acq: 24 Mar 2019 10:32

Tgt Ion:105 Resp: 907983
Ion Ratio Lower Upper
105 100
120 45.9 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: 48.079 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

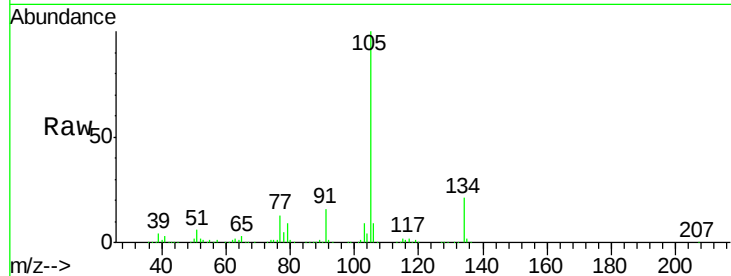
ClientSampleId :

Tot Ion:105 Resp: 1007566

Ion Ratio Lower Upper

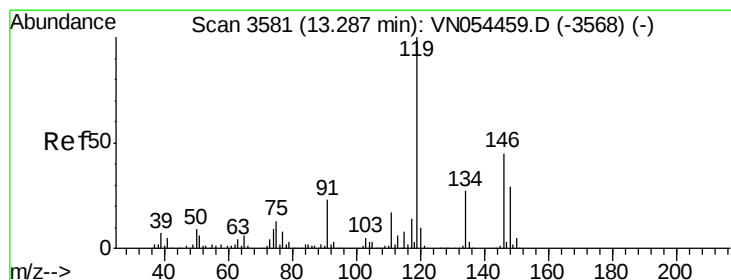
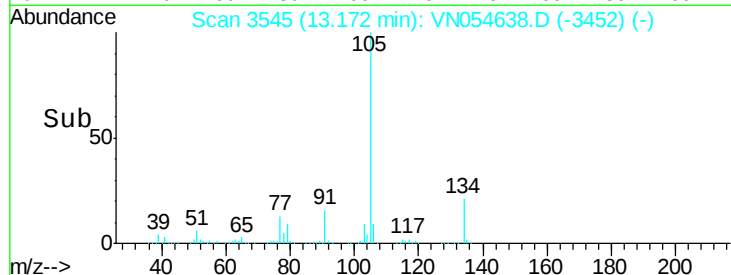
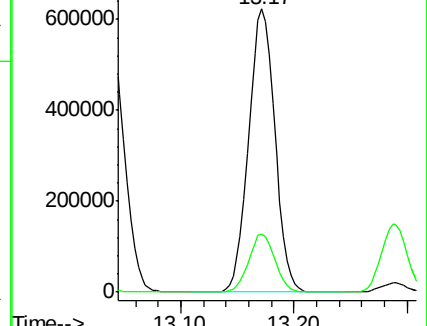
105 100

134 20.5 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: 48.751 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

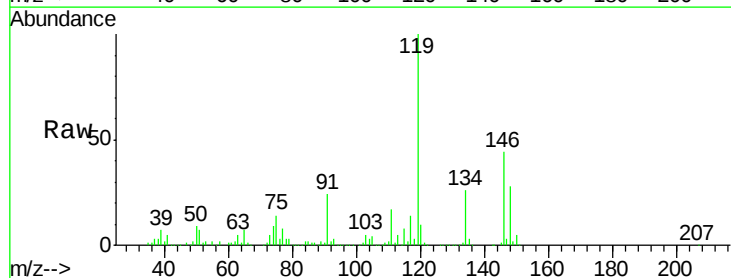
Tgt Ion:119 Resp: 914022

Ion Ratio Lower Upper

119 100

134 26.0 13.6 40.8

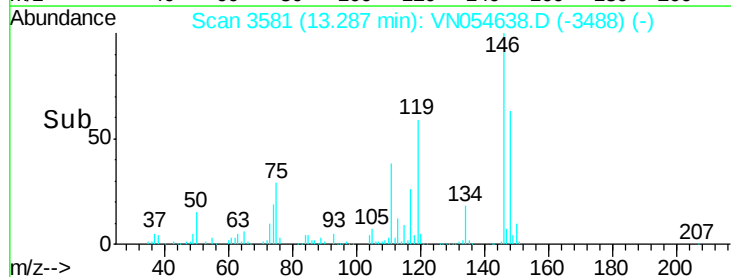
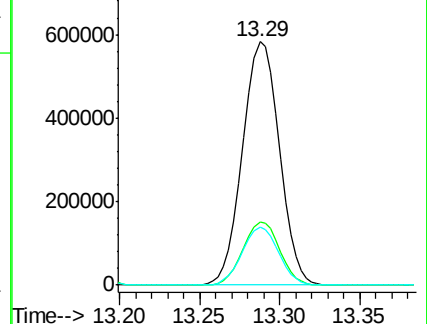
91 23.6 11.1 33.3

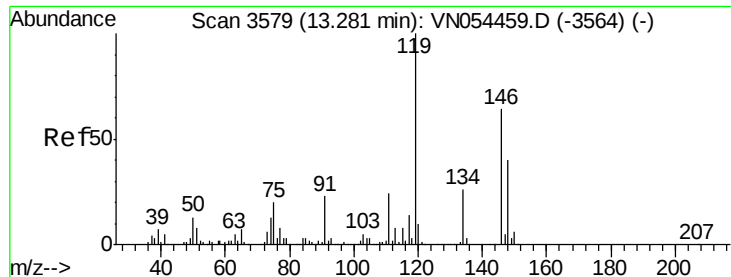


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

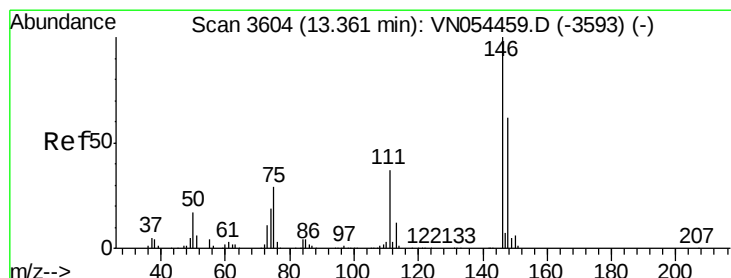
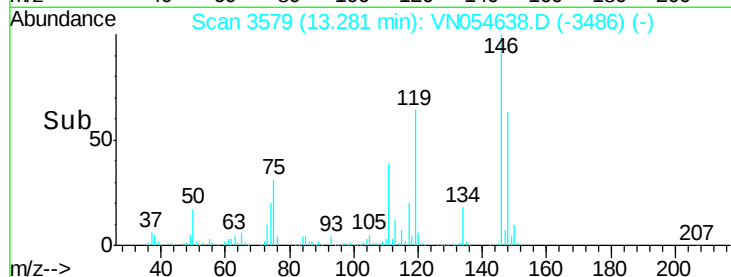
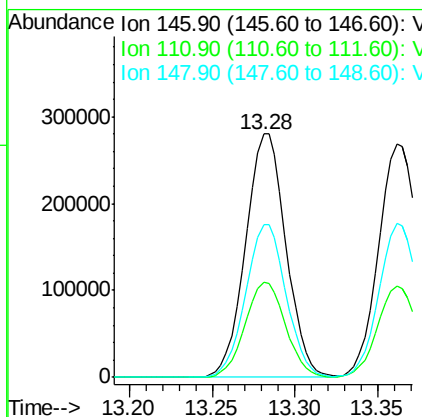
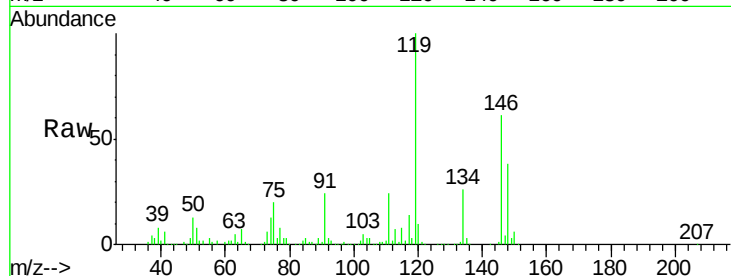




#87
 1,3-Dichlorobenzene
 Concen: 48.881 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

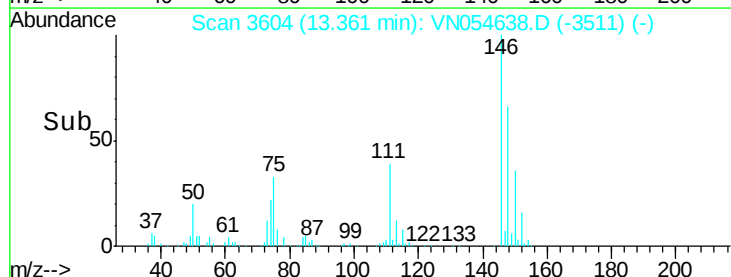
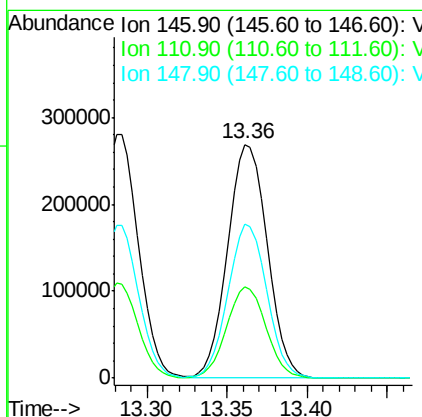
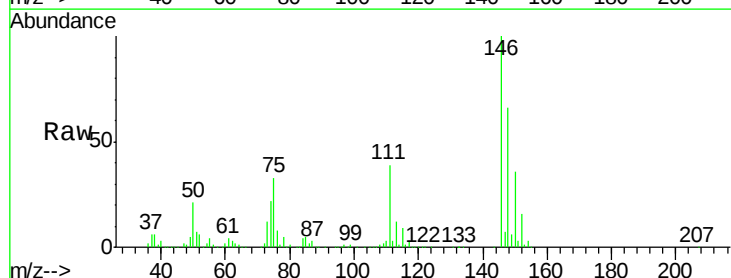
Instrument :
 MSVOA_N
 ClientSampleId :

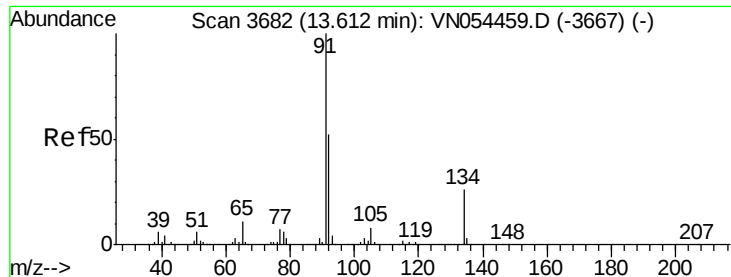
Tot Ion:146 Resp: 473416
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.8 56.3
 148 62.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 48.256 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion:146 Resp: 454727
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.1 54.1
 148 64.6 32.0 96.0





#89

n-Butylbenzene

Concen: 51.804 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

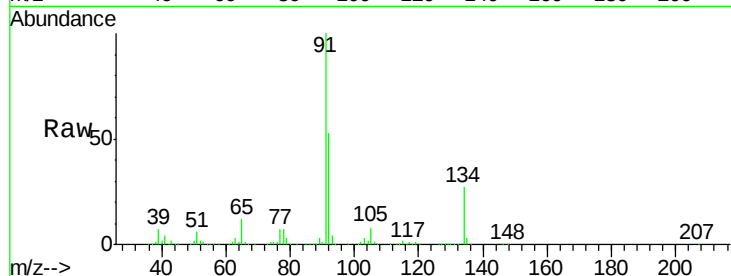
Tot Ion: 91 Resp: 759465

Ion Ratio Lower Upper

91 100

92 52.6 26.2 78.6

134 26.1 14.3 42.9

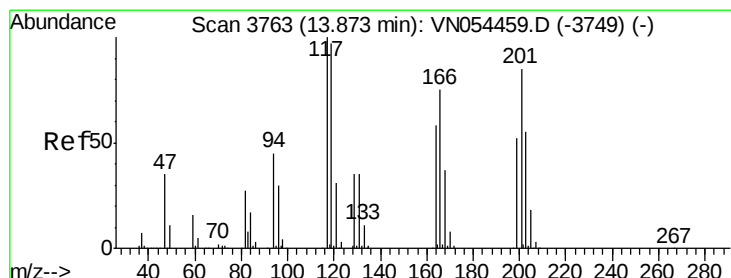
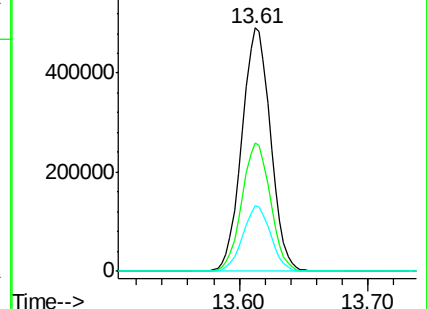
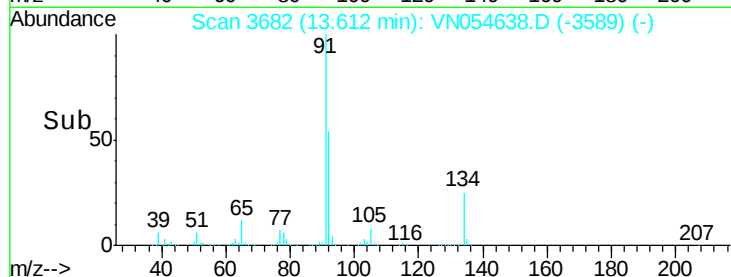


Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)

Time-->



#90

Hexachloroethane

Concen: 48.812 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054638.D

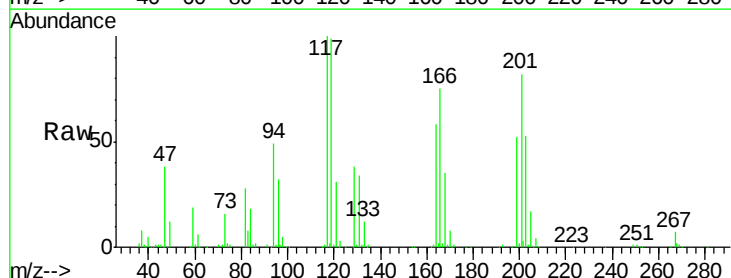
Acq: 24 Mar 2019 10:32

Tgt Ion: 117 Resp: 142057

Ion Ratio Lower Upper

117 100

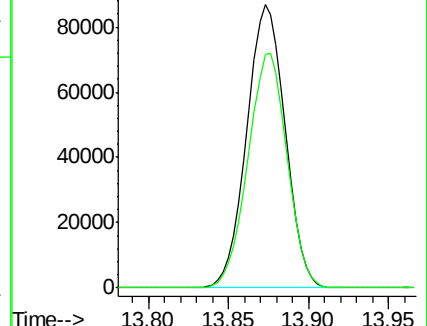
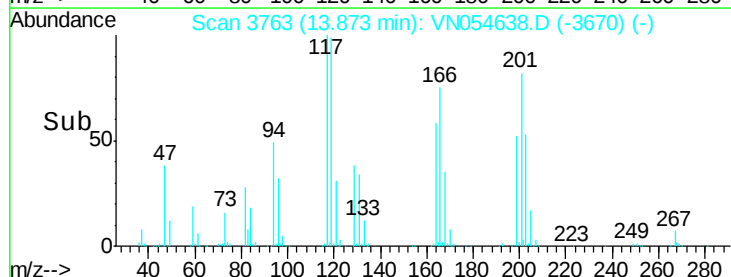
201 84.7 48.1 144.4

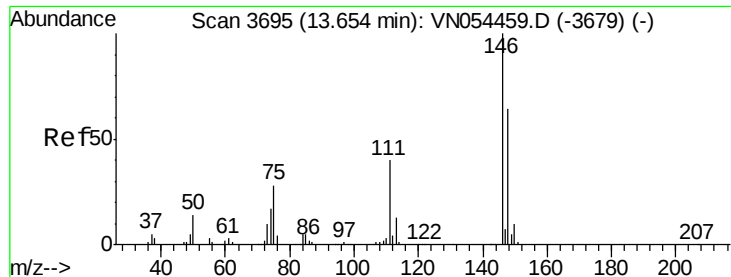


Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)

Time-->

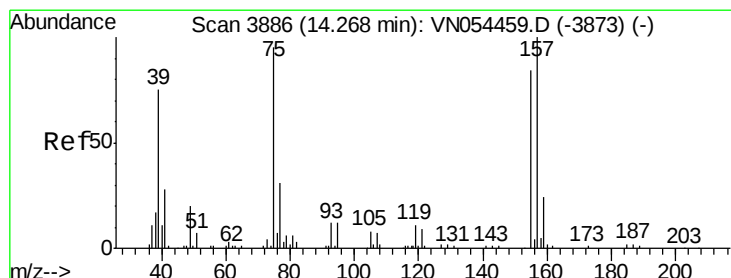
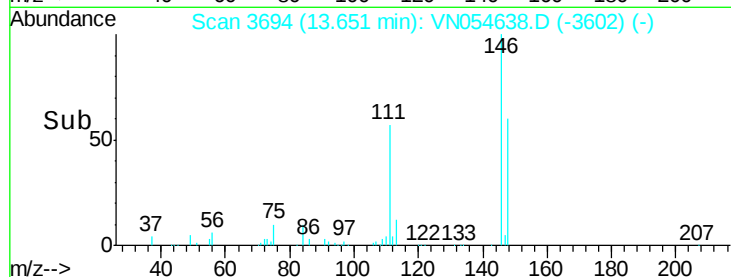
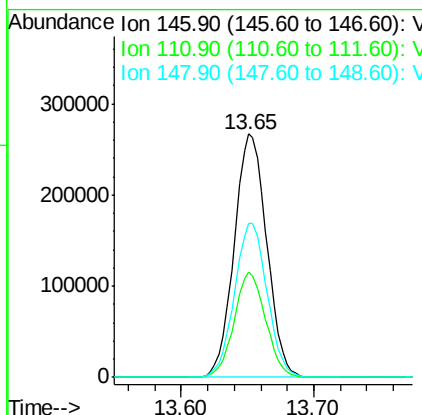
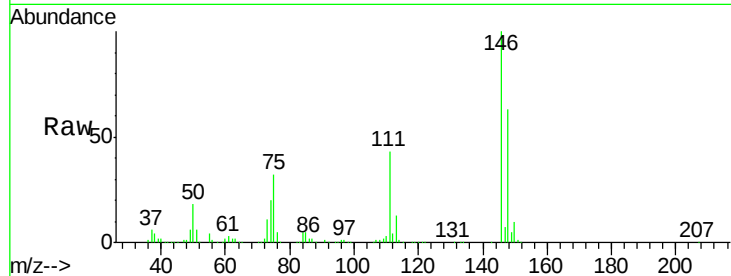




#91
 1,2-Dichlorobenzene
 Concen: 48.368 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

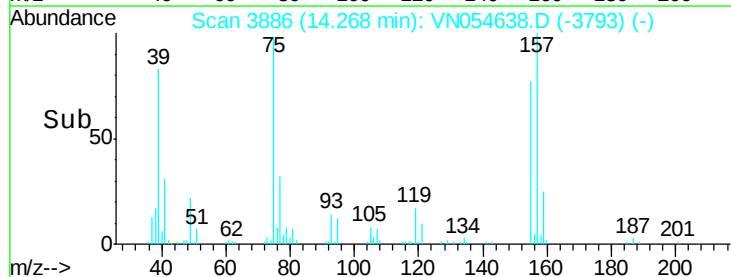
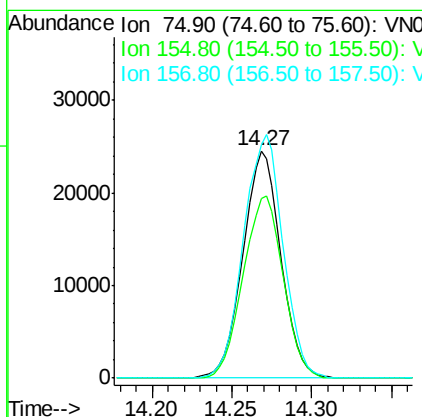
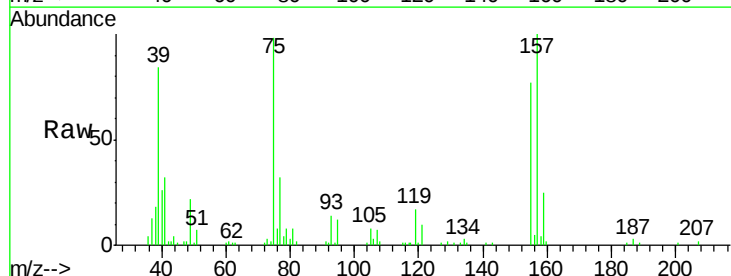
Instrument :
 MSVOA_N
 ClientSampleId :

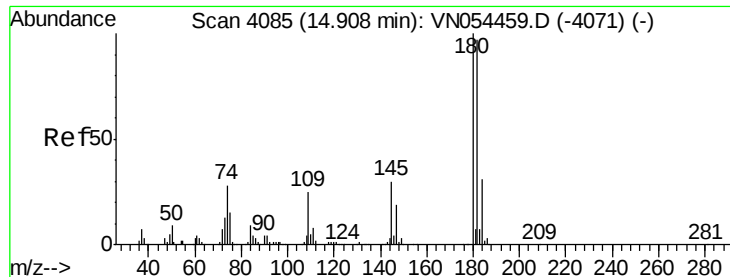
Tot Ion:146 Resp: 453731
 Ion Ratio Lower Upper
 146 100
 111 41.8 19.1 57.3
 148 63.6 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.243 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion: 75 Resp: 39642
 Ion Ratio Lower Upper
 75 100
 155 84.5 50.1 150.3
 157 111.7 63.1 189.3

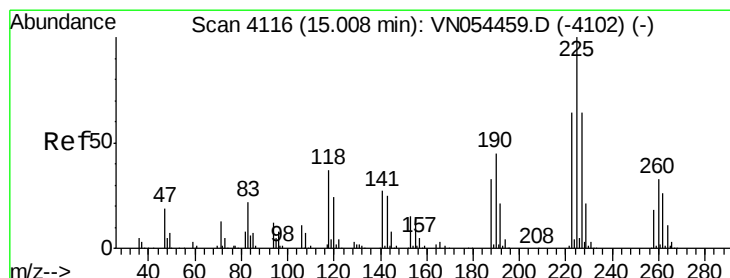
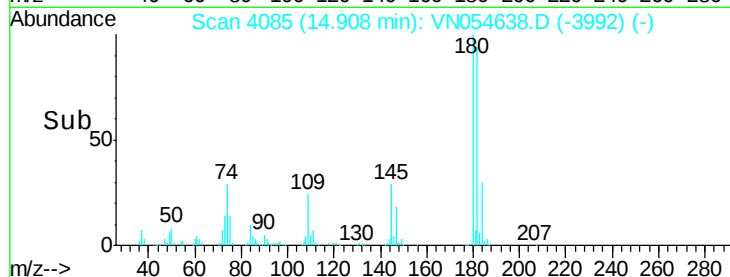
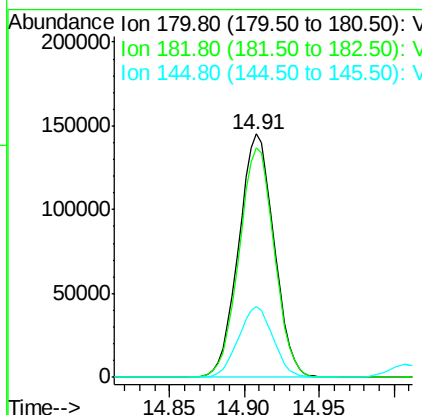
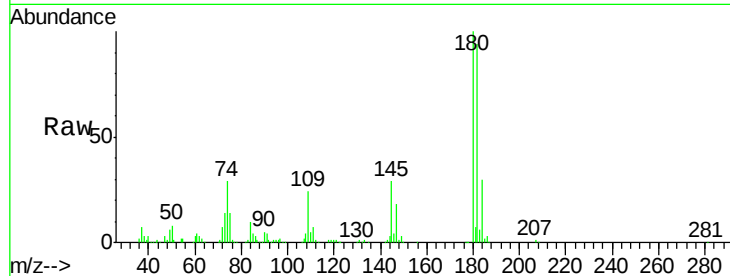




#93
 1,2,4-Trichlorobenzene
 Concen: 51.143 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

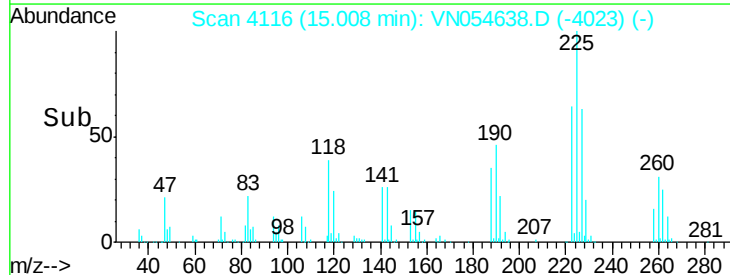
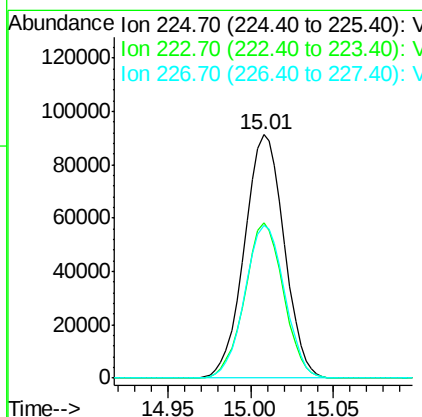
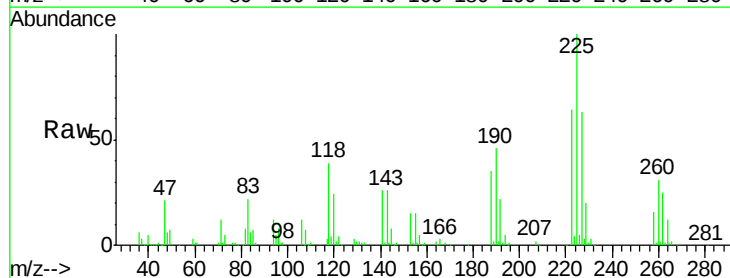
Instrument :
 MSVOA_N
 ClientSampleId :

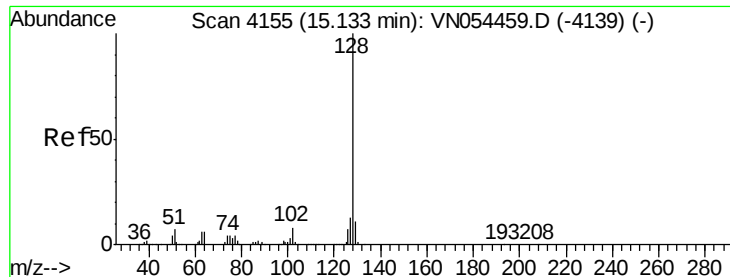
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.0	144.2
145	28.5	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 58.291 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054638.D
 Acq: 24 Mar 2019 10:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.5
227	62.7	31.9	95.9





#95

Naphthalene

Concen: 48.218 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

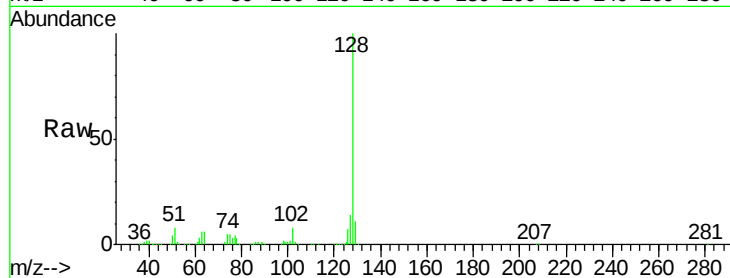
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 502957

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.1	15.1
129	10.8	8.7	13.1

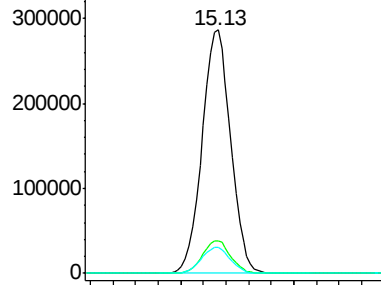


Abundance

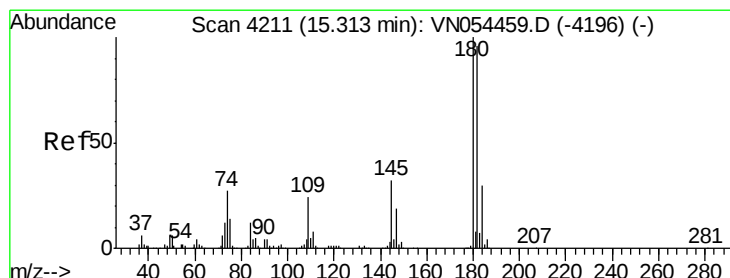
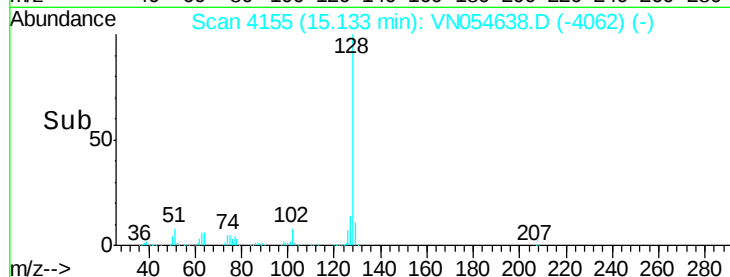
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 48.753 ug/l

RT: 15.31 min Scan# 4211

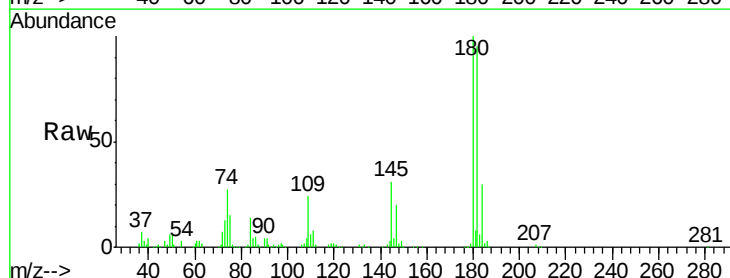
Delta R.T. -0.00 min

Lab File: VN054638.D

Acq: 24 Mar 2019 10:32

Tgt Ion:180 Resp: 226911

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	30.8	14.8	44.3

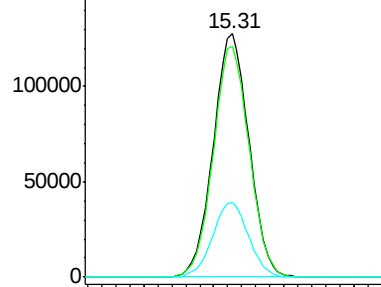


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

