

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031219\
 Data File : VN054163.D
 Acq On : 12 Mar 2019 13:51
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

Quant Time: Mar 13 07:22:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1807433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2587335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2291495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1147023	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	892543	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	
35) Dibromofluoromethane	7.59	113	822646	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	10.09	98	3042286	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.40	95	1090904	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	908174	53.017	ug/l	99
3) Chloromethane	2.06	50	791164	47.547	ug/l	99
4) Vinyl Chloride	2.19	62	892928	46.951	ug/l	99
5) Bromomethane	2.57	94	597397	45.354	ug/l	99
6) Chloroethane	2.71	64	519400	45.138	ug/l	99
7) Trichlorofluoromethane	3.02	101	1169336	46.245	ug/l	99
8) Diethyl Ether	3.41	74	570193	49.484	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	987282	52.104	ug/l	100
10) Methyl Iodide	3.94	142	1254063	46.706	ug/l	99
11) Tert butyl alcohol	4.81	59	330003	250.781	ug/l	99
12) 1,1-Dichloroethene	3.73	96	934841	49.786	ug/l	99
13) Acrolein	3.61	56	275238	220.733	ug/l	100
14) Allyl chloride	4.32	41	1247045	51.762	ug/l	100
15) Acrylonitrile	4.99	53	1389935	257.142	ug/l	99
16) Acetone	3.82	43	1389290	252.784	ug/l	100
17) Carbon Disulfide	4.04	76	2507977	53.280	ug/l	99
18) Methyl Acetate	4.33	43	586603	52.755	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2373129	50.988	ug/l	100
20) Methylene Chloride	4.54	84	888000	49.207	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	903388	50.213	ug/l	98
22) Diisopropyl ether	5.96	45	2453936	51.035	ug/l	99
23) Vinyl Acetate	5.90	43	9336227	263.349	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1541248	49.922	ug/l	99
25) 2-Butanone	6.84	43	1753469	271.831	ug/l	100
26) 2,2-Dichloropropane	6.82	77	1427909	52.594	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1025404	51.089	ug/l	100
28) Bromochloromethane	7.19	49	636635	50.441	ug/l	98
29) Tetrahydrofuran	7.22	42	1054474	254.244	ug/l	100
30) Chloroform	7.37	83	1619403	50.267	ug/l	100
31) Cyclohexane	7.65	56	1459761	50.588	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1476732	50.755	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1285589	53.955	ug/l	100
37) Ethyl Acetate	6.93	43	725360	52.982	ug/l	99
38) Carbon Tetrachloride	7.77	117	1322388	52.923	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1643701	56.068	ug/l	100
40) Benzene	8.04	78	3641609	53.409	ug/l	98
41) Methacrylonitrile	7.18	41	387198	49.533	ug/l	95
42) 1,2-Dichloroethane	8.12	62	1197738	52.031	ug/l	99
43) Isopropyl Acetate	8.17	43	1299958	54.095	ug/l	98
44) Trichloroethene	8.83	130	1122495	52.995	ug/l	100
45) 1,2-Dichloropropane	9.12	63	903825	53.384	ug/l	99
46) Dibromomethane	9.21	93	601548	52.586	ug/l	98
47) Bromodichloromethane	9.40	83	1248683	54.449	ug/l	97
48) Methyl methacrylate	9.20	41	648147	53.147	ug/l	96
49) 1,4-Dioxane	9.20	88	189519	1098.646	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	3545842	278.818	ug/l	100
52) Toluene	10.16	92	2313510	53.512	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1328883	50.637	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1482934	55.491	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	831457	52.670	ug/l	99
56) Ethyl methacrylate	10.43	69	1054549	56.025	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1379580	53.447	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1911441	235.141	ug/l	99
59) 2-Hexanone	10.75	43	2397907	283.369	ug/l	100
60) Dibromochloromethane	10.90	129	980989	55.210	ug/l	100
61) 1,2-Dibromoethane	11.01	107	863665	53.837	ug/l	99
64) Tetrachloroethene	10.63	164	1114385	50.299	ug/l	99
65) Chlorobenzene	11.43	112	2677449	53.214	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	994670	54.419	ug/l	99
67) Ethyl Benzene	11.51	91	4435214	53.176	ug/l	99
68) m/p-Xylenes	11.62	106	3537555	108.518	ug/l	100
69) o-Xylene	11.95	106	1701292	53.536	ug/l	100
70) Styrene	11.96	104	2740832	54.994	ug/l	100
71) Bromoform	12.13	173	696504	49.989	ug/l #	99
73) Isopropylbenzene	12.25	105	4542893	49.504	ug/l	100
74) N-amyl acetate	12.07	43	1112351	54.608	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	978112	50.026	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1251652	74.205	ug/l #	100
77) Bromobenzene	12.53	156	1205636	49.648	ug/l	99
78) n-propylbenzene	12.59	91	5185410	52.075	ug/l	100
79) 2-Chlorotoluene	12.67	91	3001976	50.140	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	3875216	50.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	265808	53.870	ug/l	98
82) 4-Chlorotoluene	12.77	91	3094662	51.764	ug/l	100
83) tert-Butylbenzene	12.99	119	3515241	50.032	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3934227	52.536	ug/l	99
85) sec-Butylbenzene	13.17	105	4656174	51.101	ug/l	100
86) p-Isopropyltoluene	13.29	119	4191782	52.439	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2184176	53.379	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2142217	53.293	ug/l	100
89) n-Butylbenzene	13.61	91	3506281	57.729	ug/l	100
90) Hexachloroethane	13.87	117	695963	52.580	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	2091600	52.288	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	158230	52.298	ug/l	99

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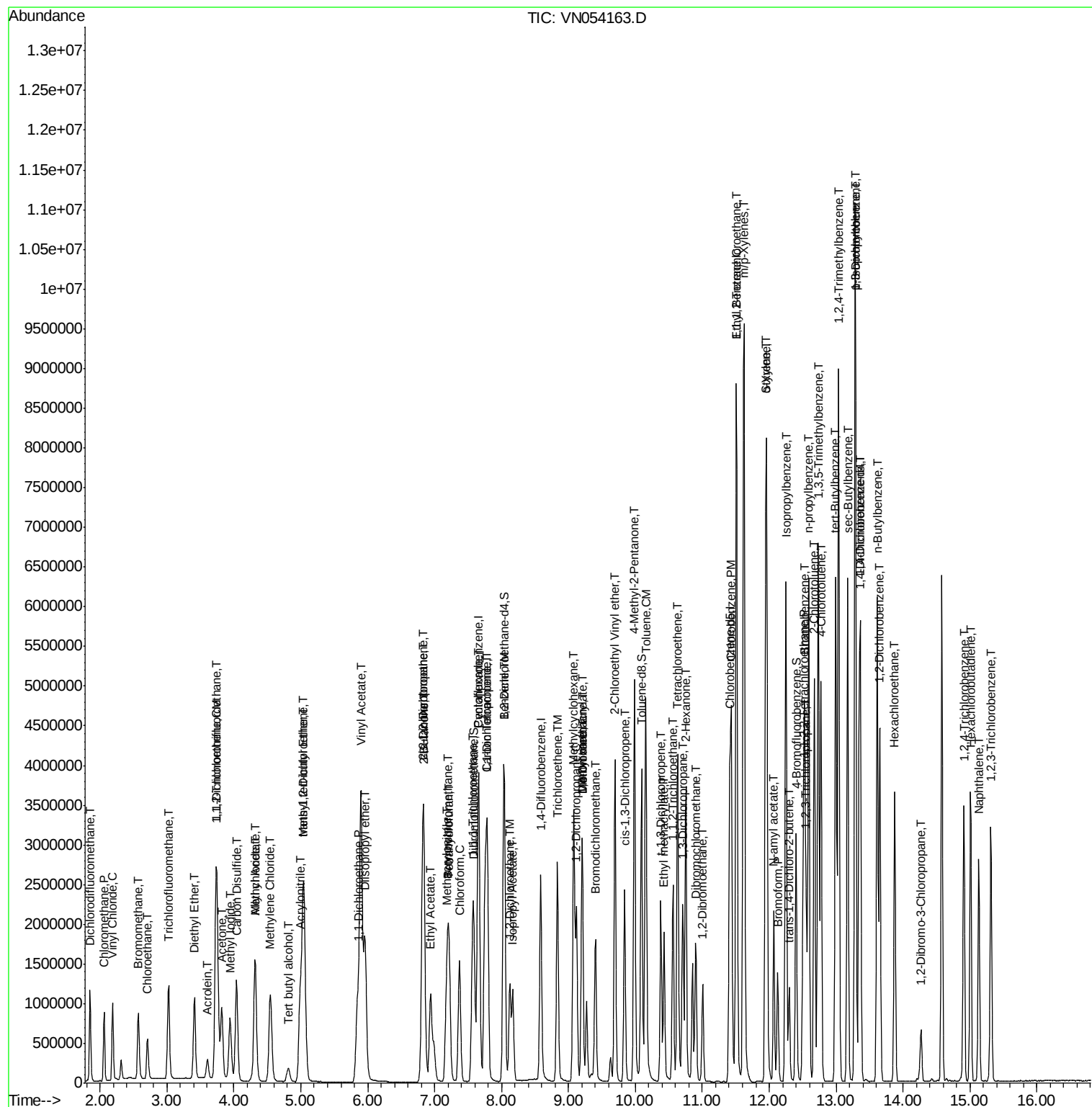
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1275741	52.683	ug/l	99
94) Hexachlorobutadiene	15.01	225	802297	52.656	ug/l	100
95) Naphthalene	15.13	128	2502640	49.763	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	1219520	57.379	ug/l	99

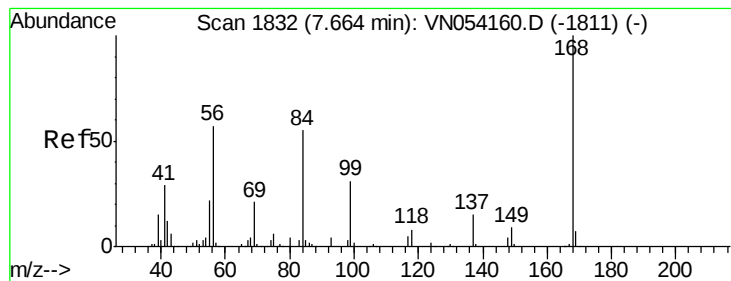
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

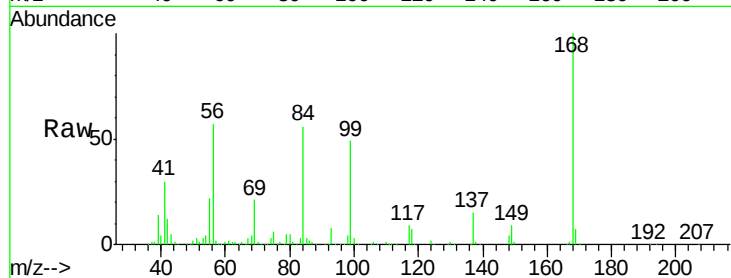
ICVVN031219

Tot Ion:168 Resp: 1807433

Ion Ratio Lower Upper

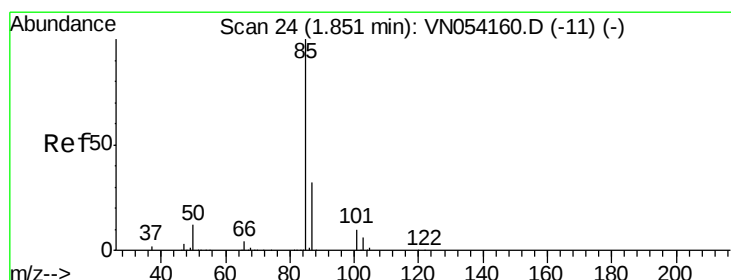
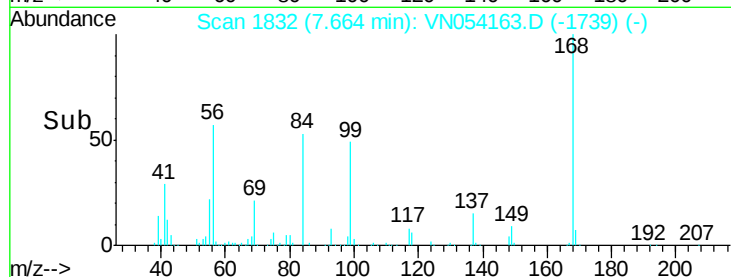
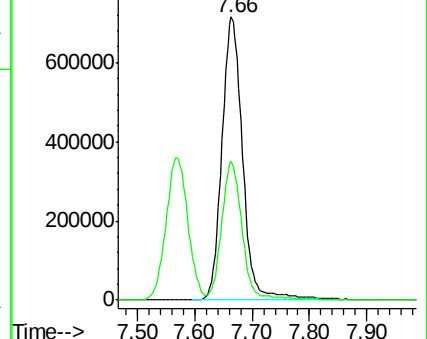
168 100

99 48.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 53.017 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054163.D

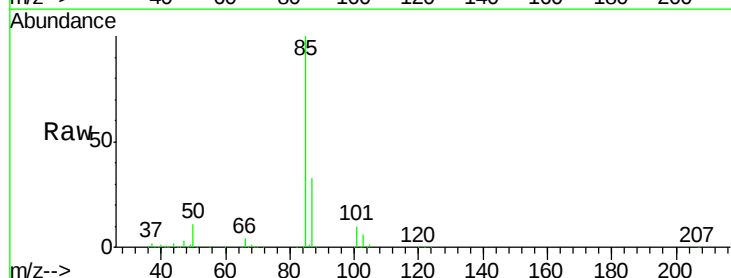
Acq: 12 Mar 2019 13:51

Tgt Ion: 85 Resp: 908174

Ion Ratio Lower Upper

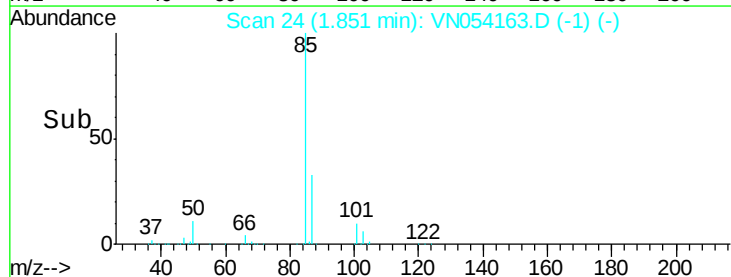
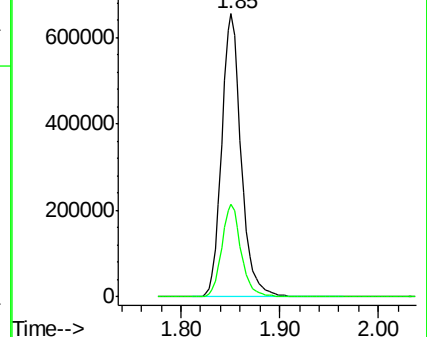
85 100

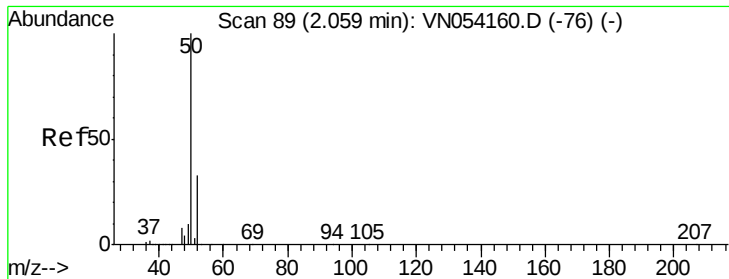
87 32.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.547 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

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ClientSampleId :

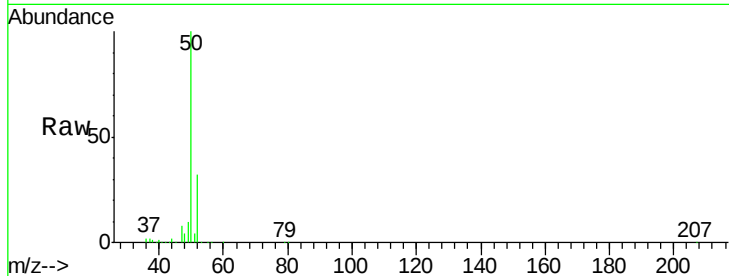
ICVVN031219

Tot Ion: 50 Resp: 791164

Ion Ratio Lower Upper

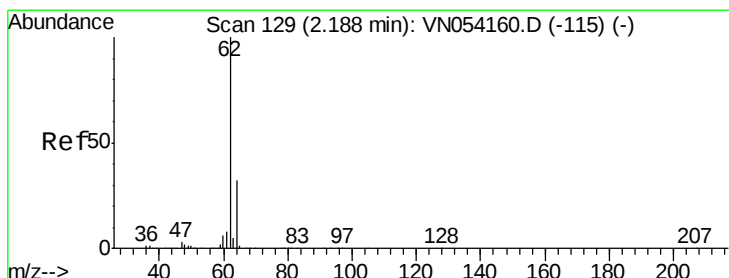
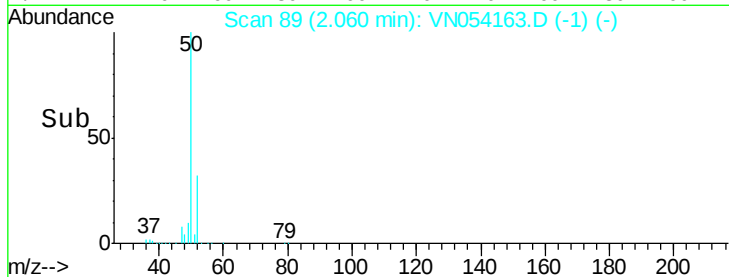
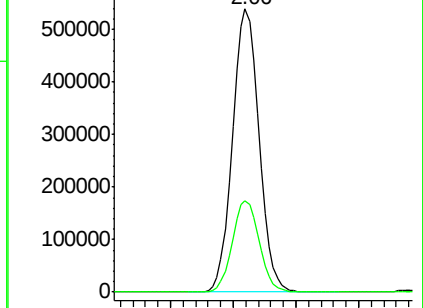
50 100

52 32.5 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: 46.951 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054163.D

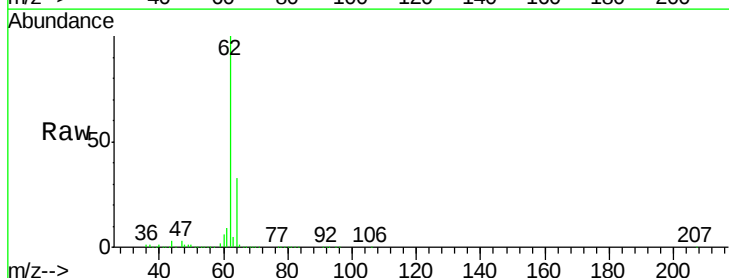
Acq: 12 Mar 2019 13:51

Tgt Ion: 62 Resp: 892928

Ion Ratio Lower Upper

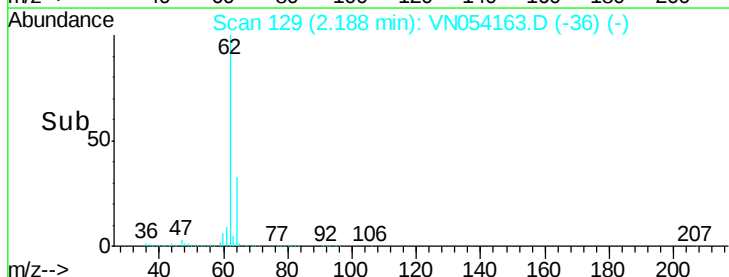
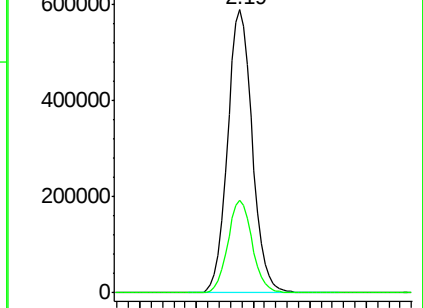
62 100

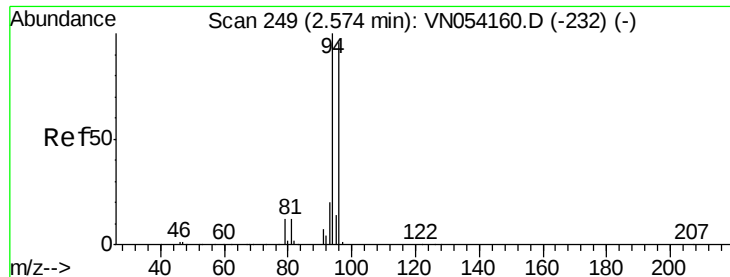
64 32.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 45.354 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

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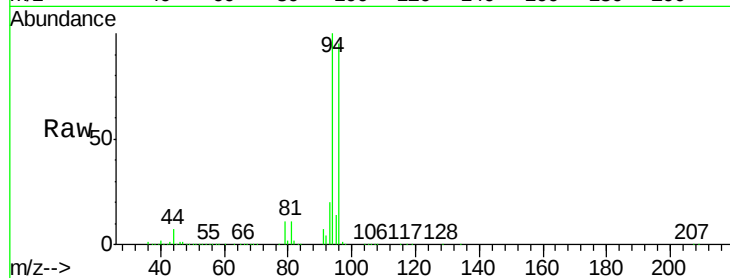
ICVVN031219

Tot Ion: 94 Resp: 597397

Ion Ratio Lower Upper

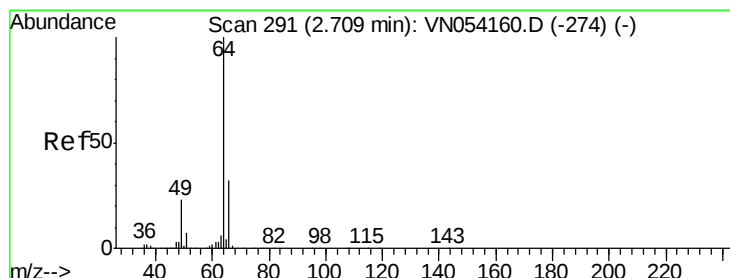
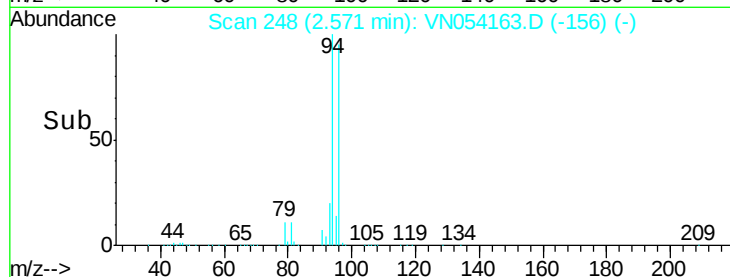
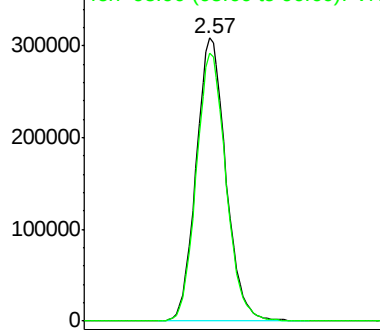
94 100

96 94.9 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 45.138 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054163.D

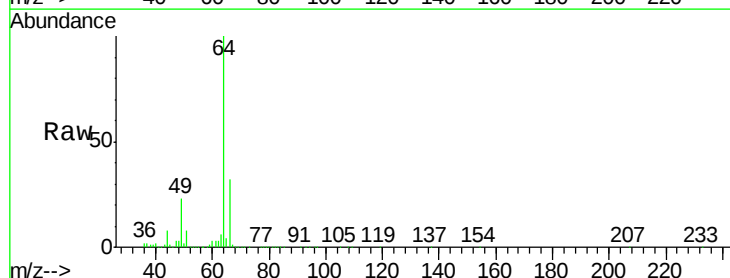
Acq: 12 Mar 2019 13:51

Tgt Ion: 64 Resp: 519400

Ion Ratio Lower Upper

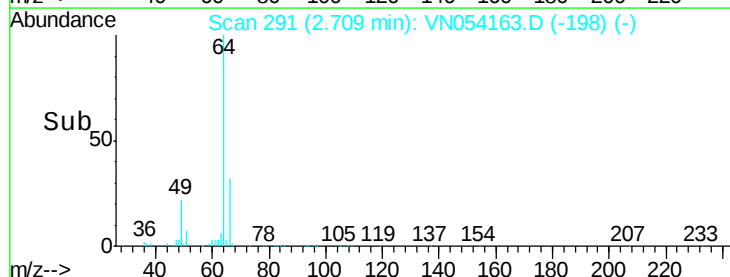
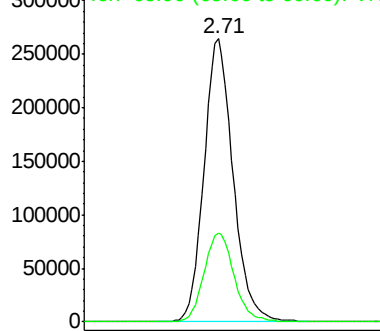
64 100

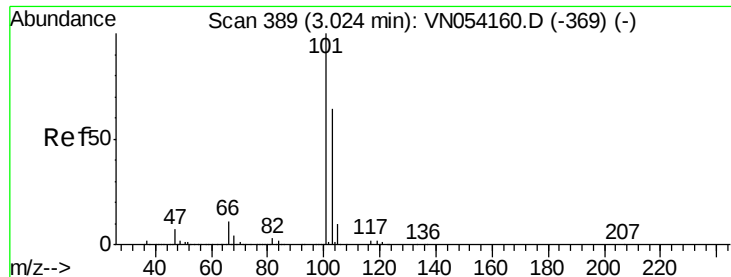
66 31.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



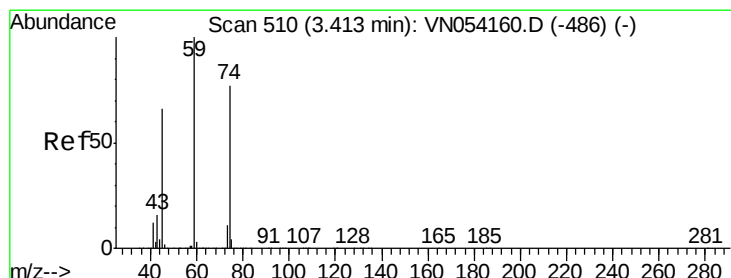
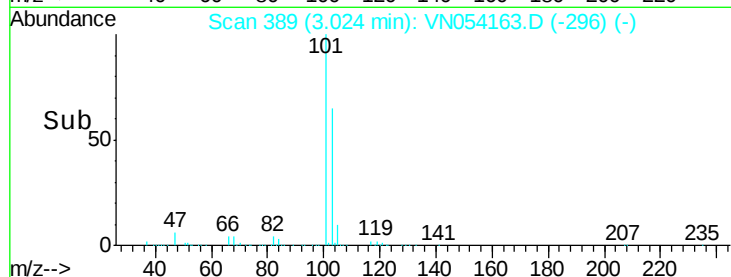
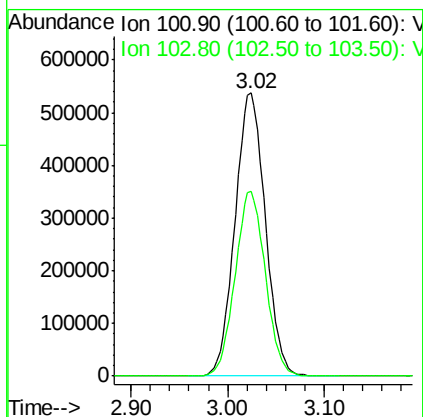
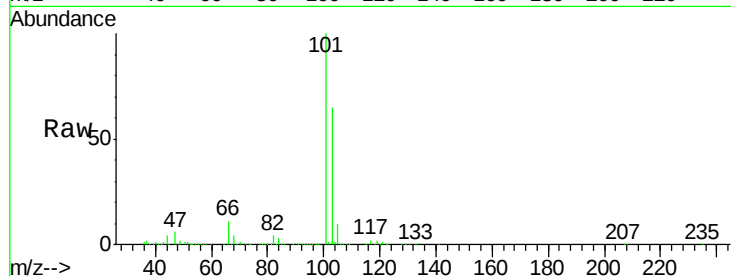


#7

Trichlorofluoromethane
Concen: 46.245 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

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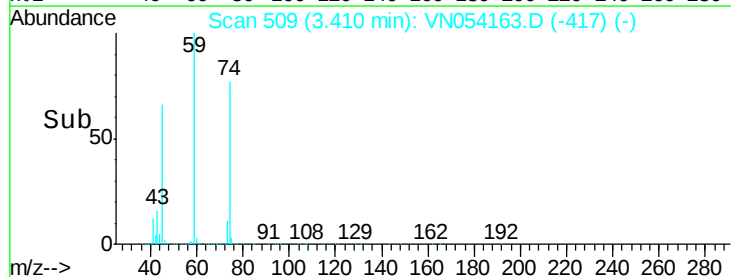
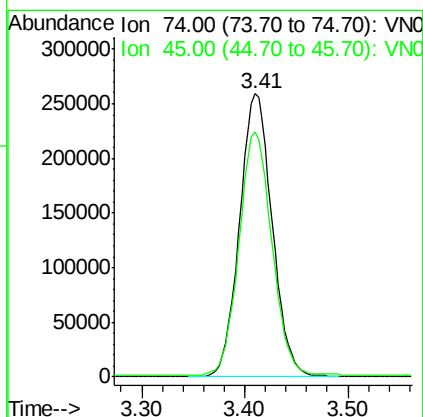
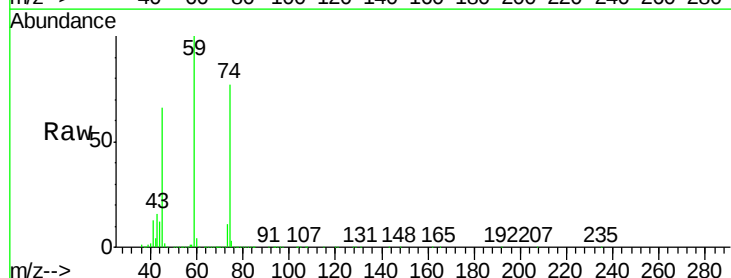
Tot Ion:101 Resp: 1169336
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2

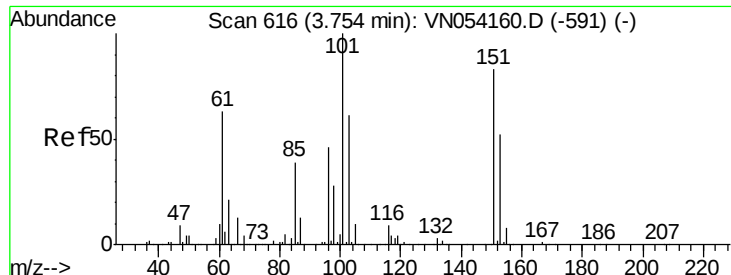


#8

Diethyl Ether
Concen: 49.484 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 74 Resp: 570193
Ion Ratio Lower Upper
74 100
45 86.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.104 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

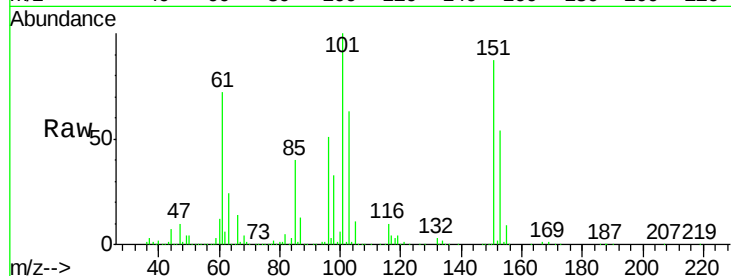
Tot Ion:101 Resp: 987282

Ion Ratio Lower Upper

101 100

85 40.4 32.4 48.6

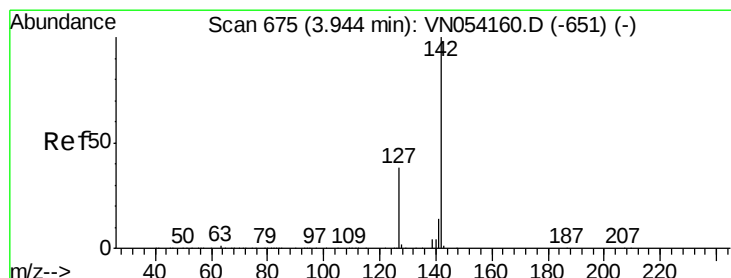
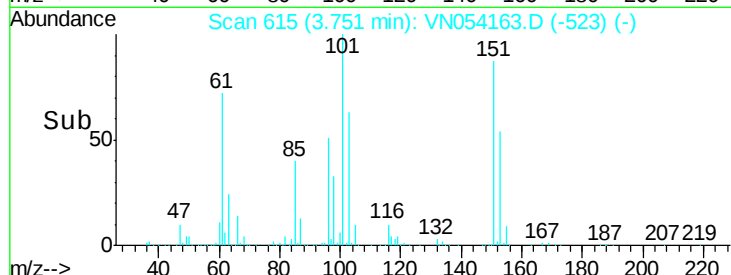
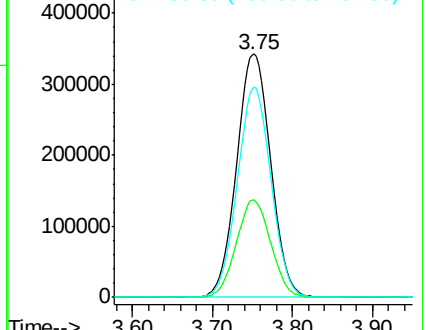
151 85.6 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.706 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

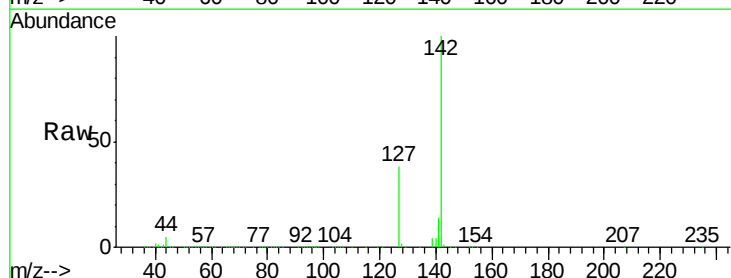
Tgt Ion:142 Resp: 1254063

Ion Ratio Lower Upper

142 100

127 37.5 30.3 45.5

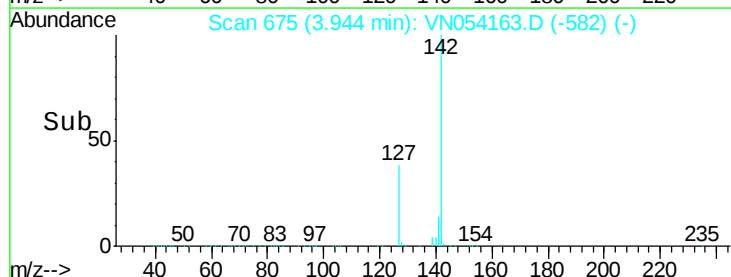
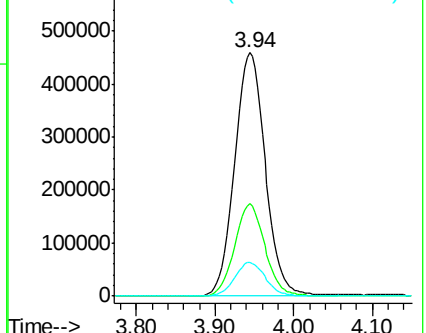
141 14.0 11.2 16.8

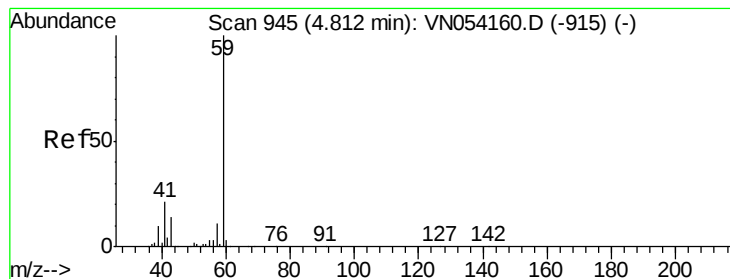


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



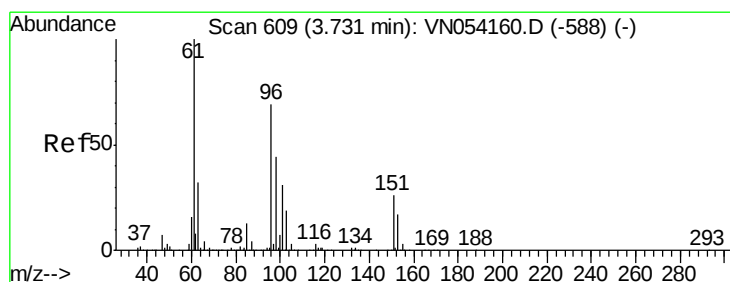
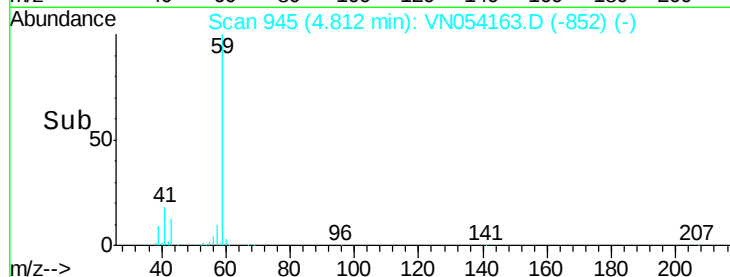
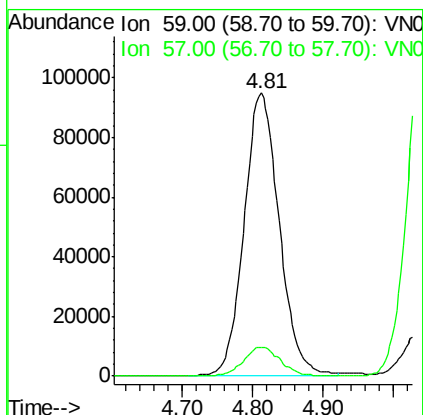
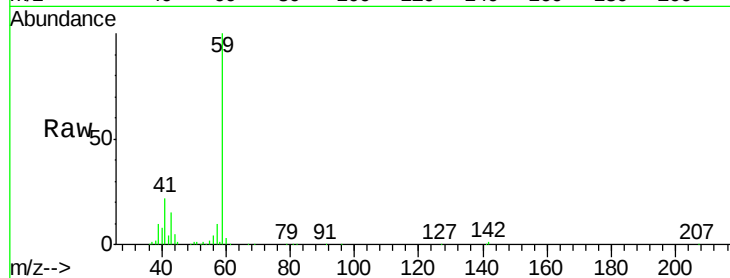


#11

Tert butyl alcohol
 Concen: 250.781 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

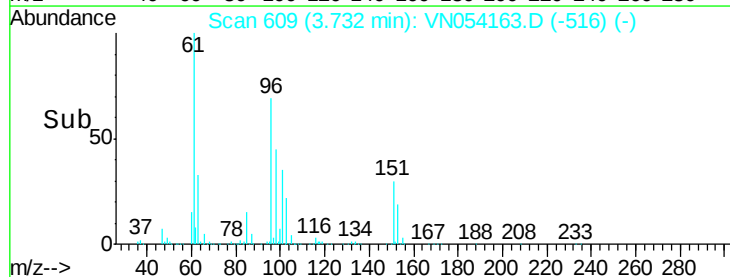
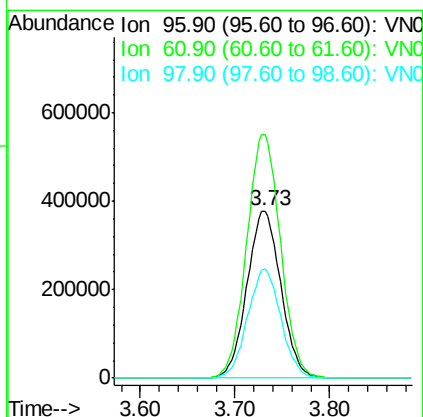
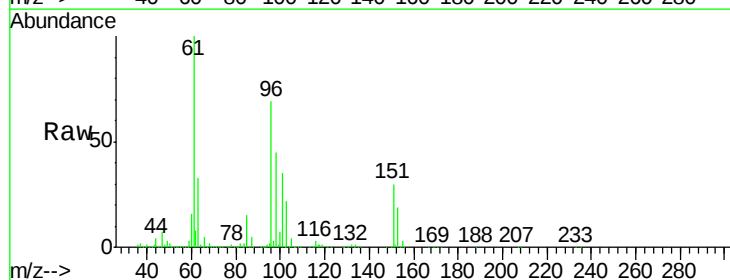
Tot Ion: 59 Resp: 330003
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.6

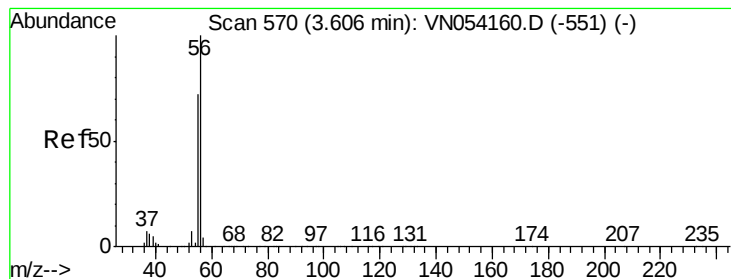


#12

1,1-Dichloroethene
 Concen: 49.786 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion: 96 Resp: 934841
 Ion Ratio Lower Upper
 96 100
 61 145.4 116.5 174.7
 98 65.1 51.0 76.4





#13

Acrolein

Concen: 220.733 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

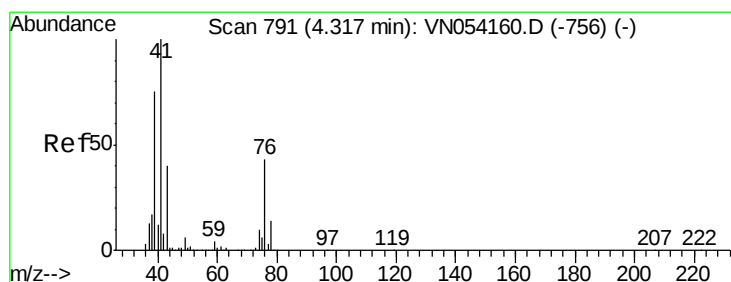
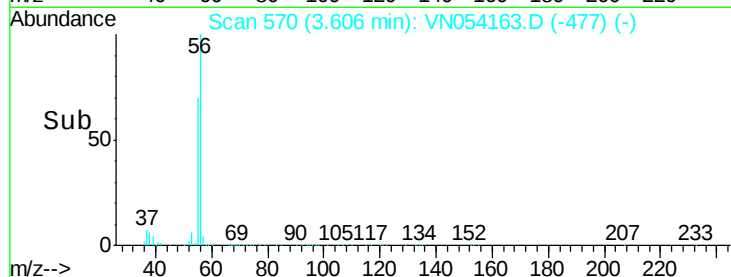
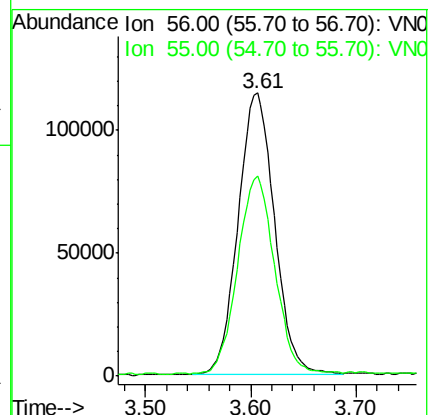
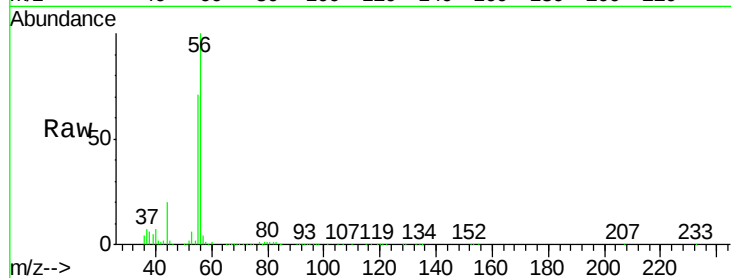
ICVVN031219

Tot Ion: 56 Resp: 275238

Ion Ratio Lower Upper

56 100

55 71.3 56.7 85.1



#14

Allyl chloride

Concen: 51.762 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

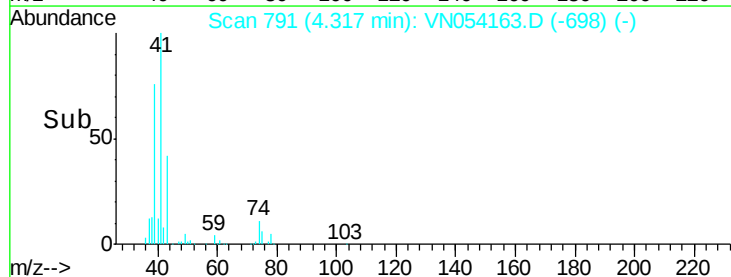
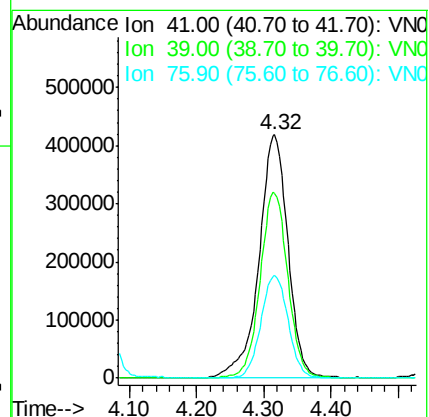
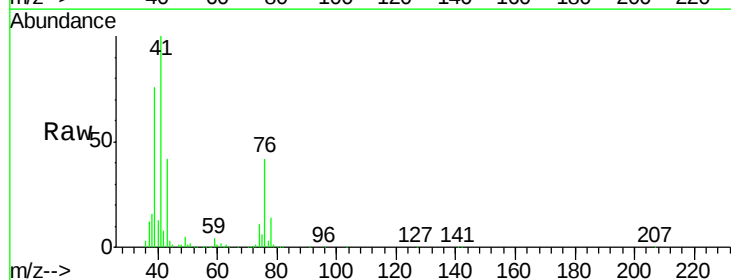
Tgt Ion: 41 Resp: 1247045

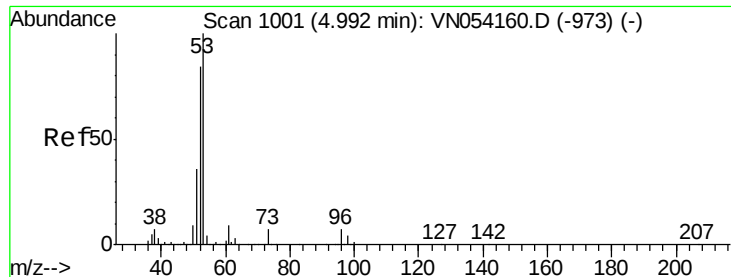
Ion Ratio Lower Upper

41 100

39 73.1 58.2 87.4

76 39.5 31.7 47.5





#15

Acrylonitrile

Concen: 257.142 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

ICVVN031219

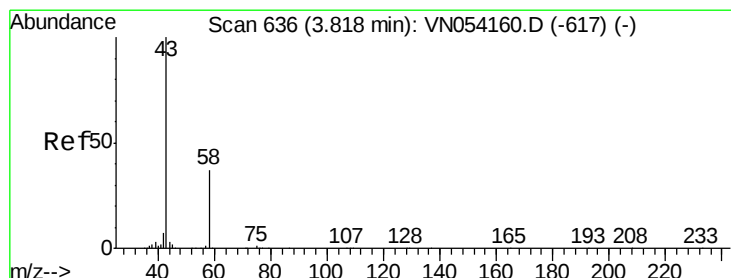
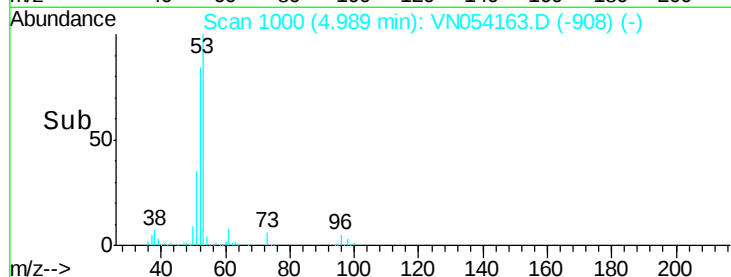
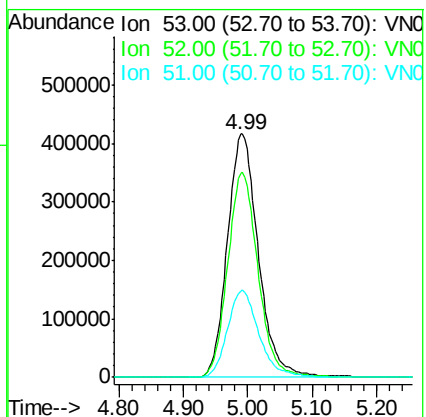
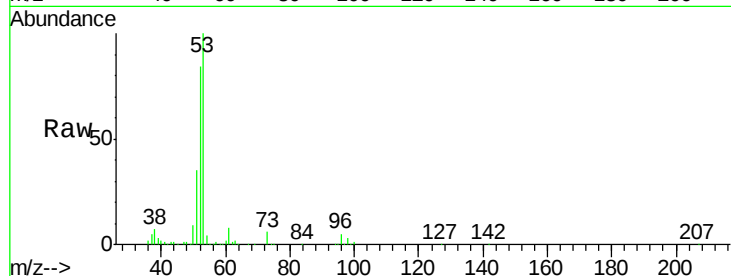
Tot Ion: 53 Resp: 1389935

Ion Ratio Lower Upper

53 100

52 82.6 66.4 99.6

51 36.6 29.6 44.4



#16

Acetone

Concen: 252.784 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054163.D

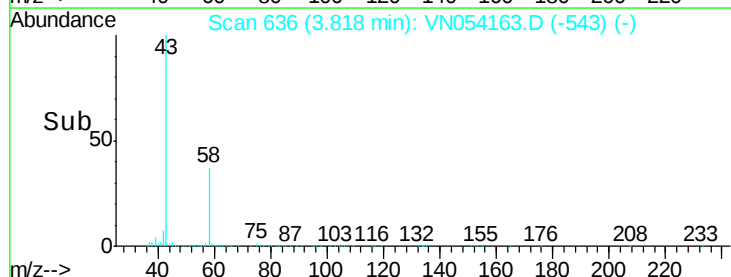
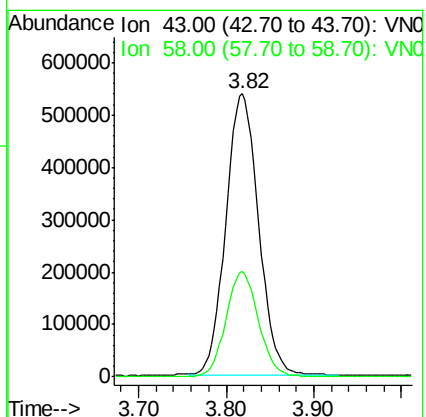
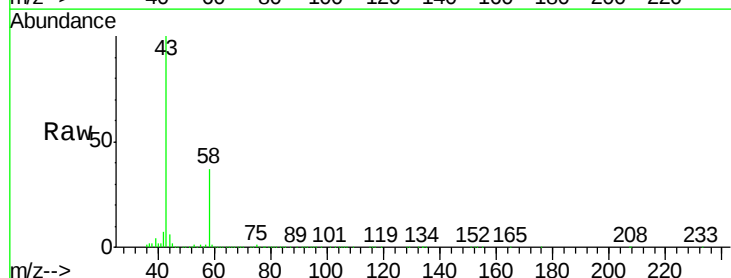
Acq: 12 Mar 2019 13:51

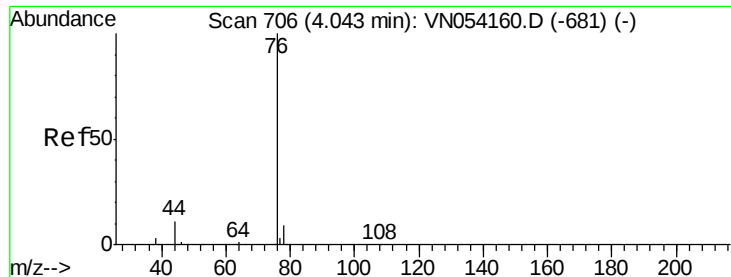
Tgt Ion: 43 Resp: 1389290

Ion Ratio Lower Upper

43 100

58 37.3 29.9 44.9





#17

Carbon Disulfide

Concen: 53.280 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

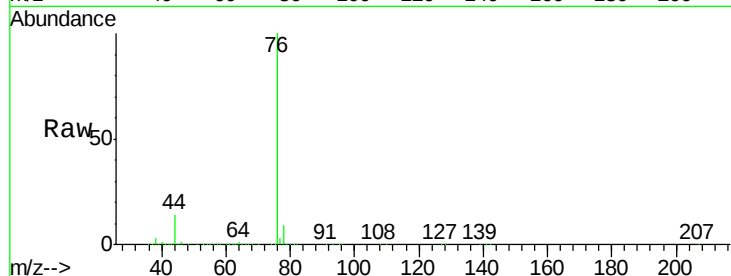
ICVVN031219

Tot Ion: 76 Resp: 2507977

Ion Ratio Lower Upper

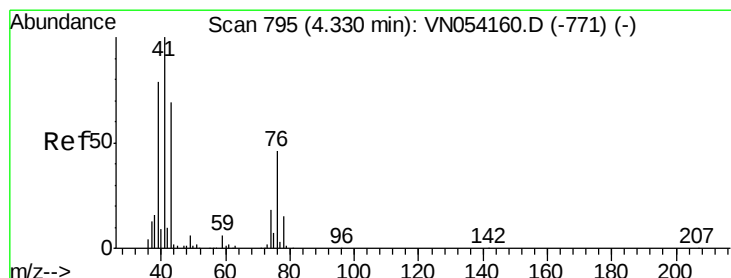
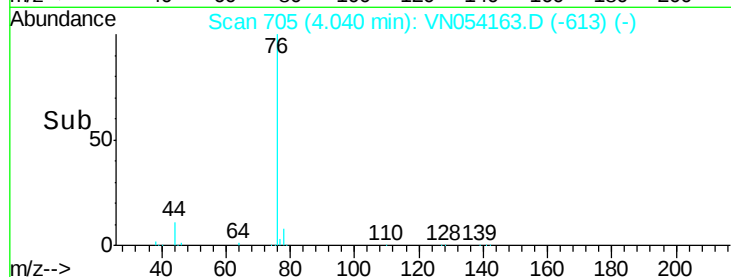
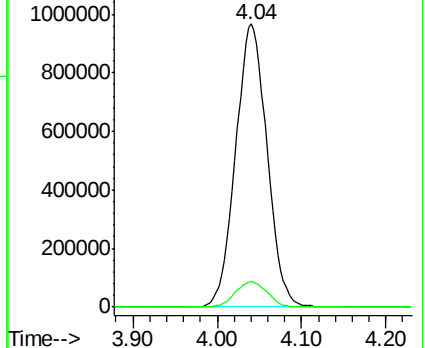
76 100

78 9.1 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: 52.755 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054163.D

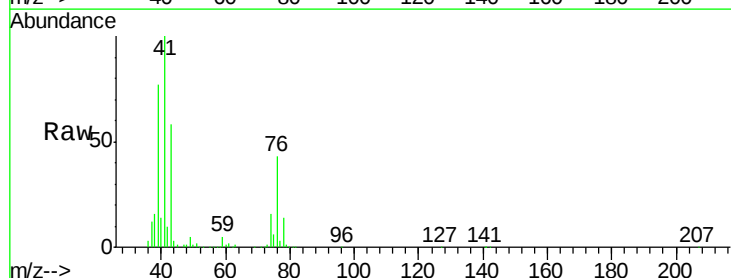
Acq: 12 Mar 2019 13:51

Tgt Ion: 43 Resp: 586603

Ion Ratio Lower Upper

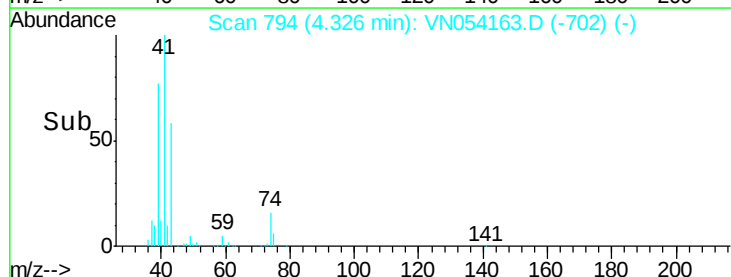
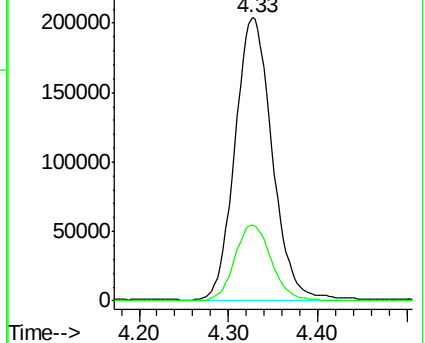
43 100

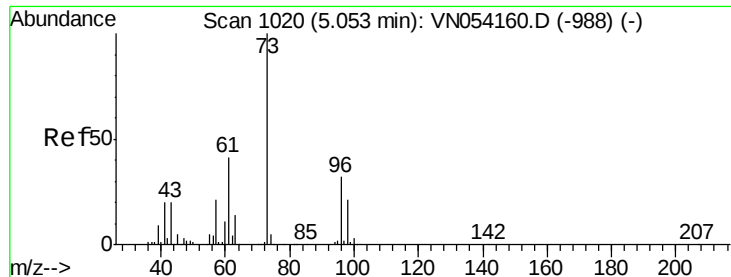
74 26.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

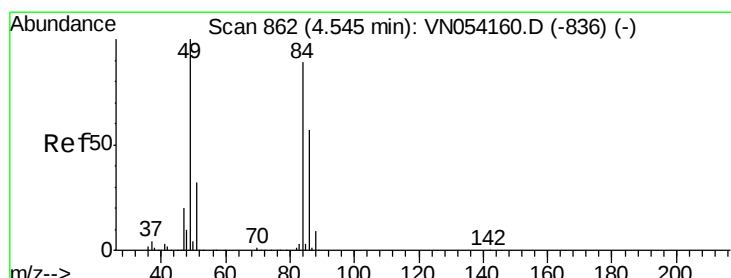
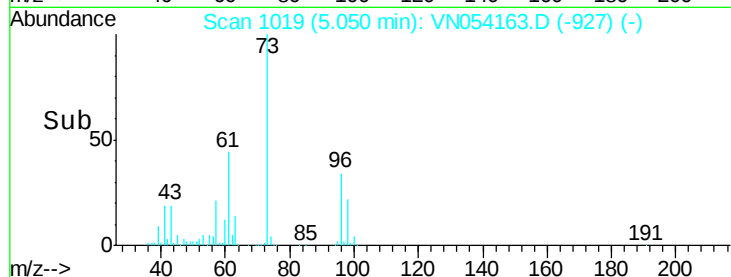
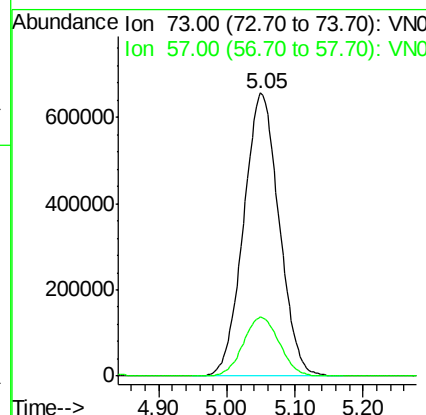
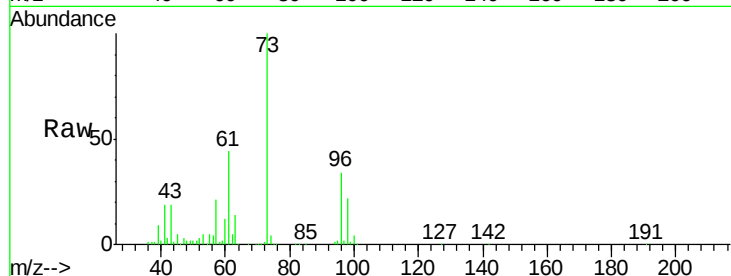




#19
Methvl tert-butvl Ether
Concen: 50.988 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

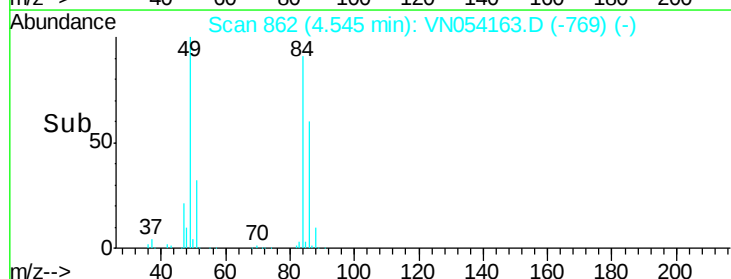
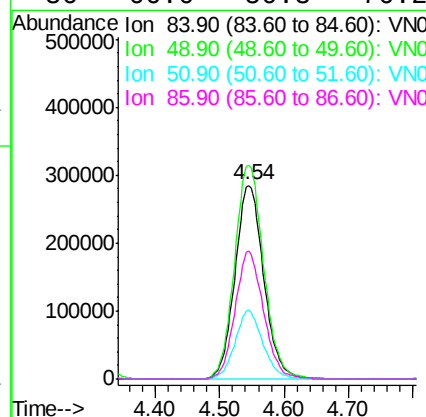
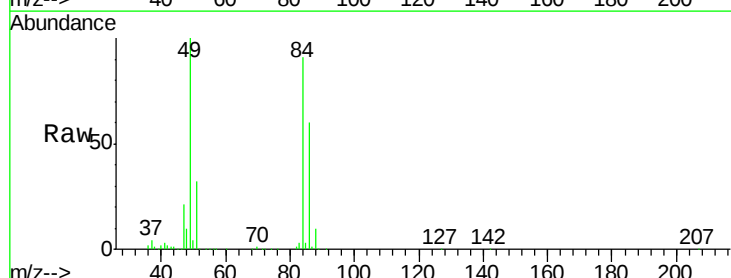
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

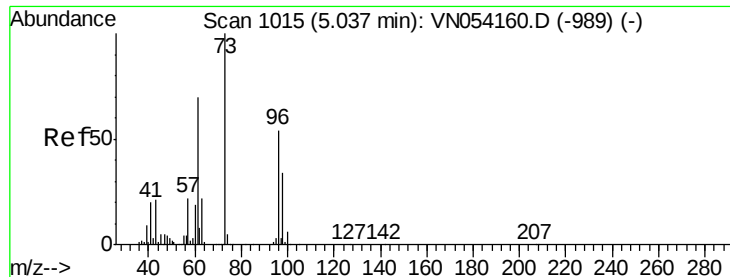
Tot Ion: 73 Resp: 2373129
Ion Ratio Lower Upper
73 100
57 20.8 16.8 25.2



#20
Methylene Chloride
Concen: 49.207 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 84 Resp: 888000
Ion Ratio Lower Upper
84 100
49 110.2 89.7 134.5
51 35.5 28.2 42.4
86 66.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 50.213 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

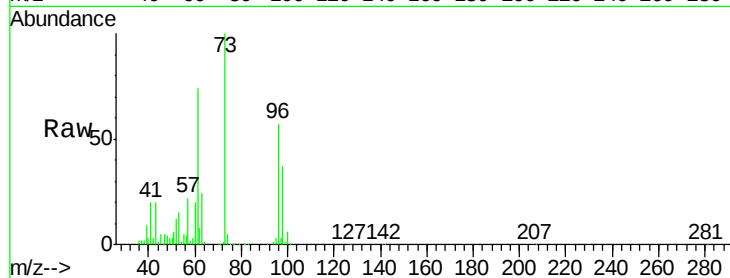
Tot Ion: 96 Resp: 903388

Ion Ratio Lower Upper

96 100

61 131.1 102.8 154.2

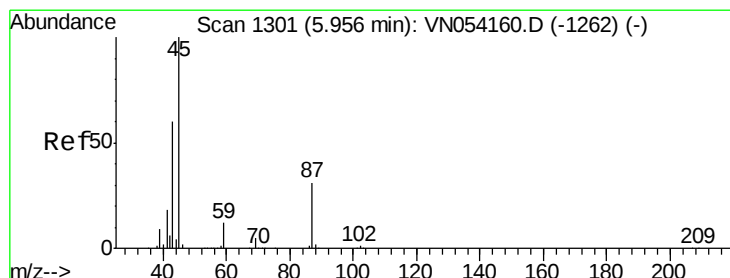
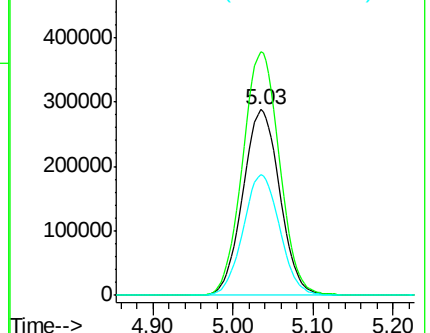
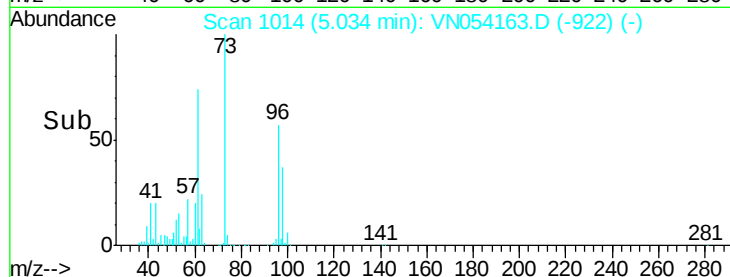
98 64.8 50.0 75.0



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: 51.035 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Tgt Ion: 45 Resp: 2453936

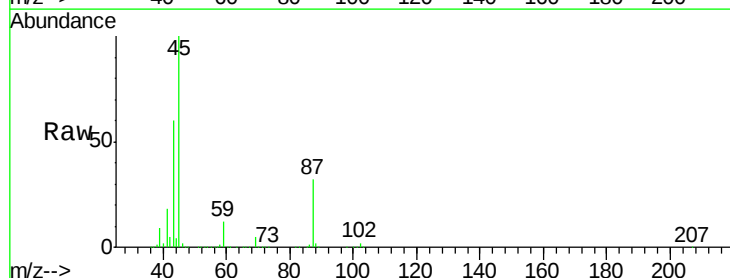
Ion Ratio Lower Upper

45 100

43 59.5 48.2 72.2

87 31.3 24.9 37.3

59 12.1 9.5 14.3

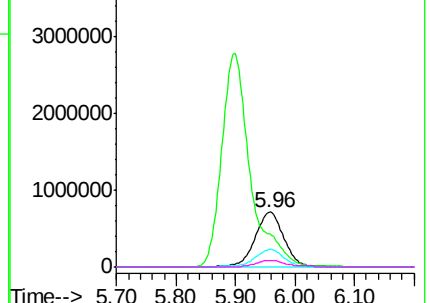
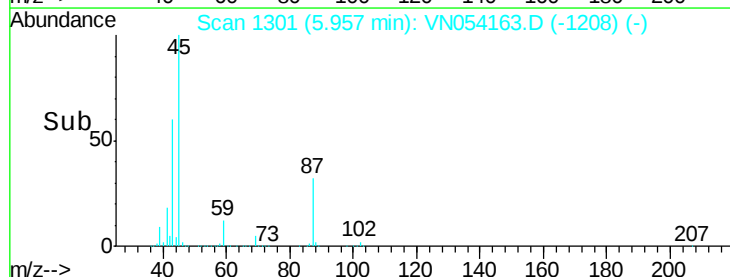


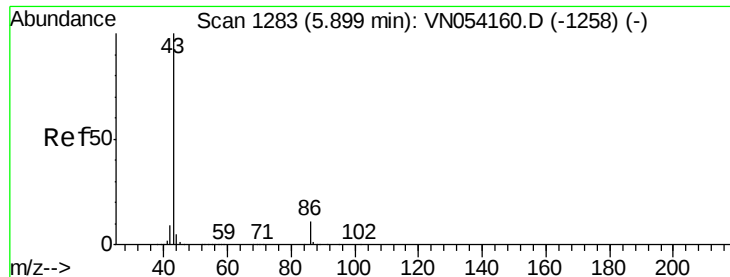
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 263.349 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

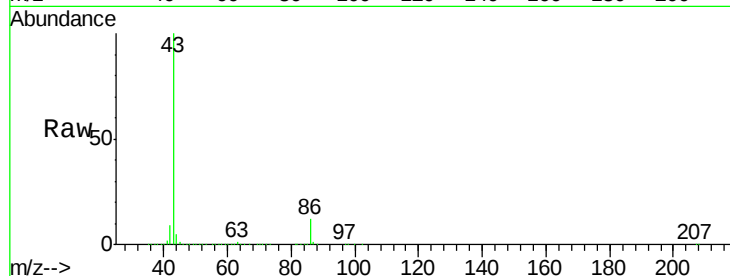
MSVOA_N

ClientSampleId :

ICVVO31219

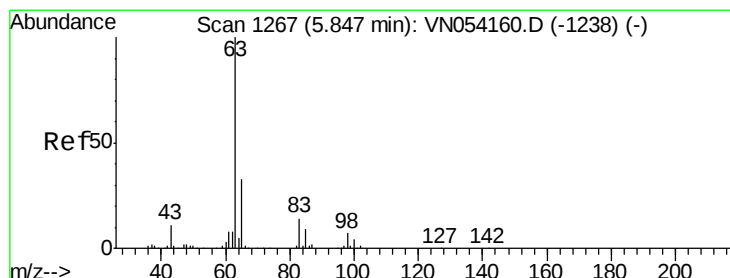
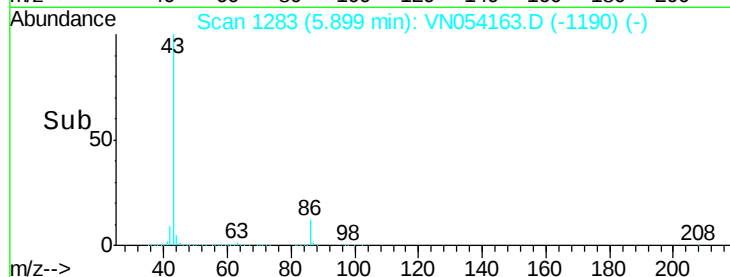
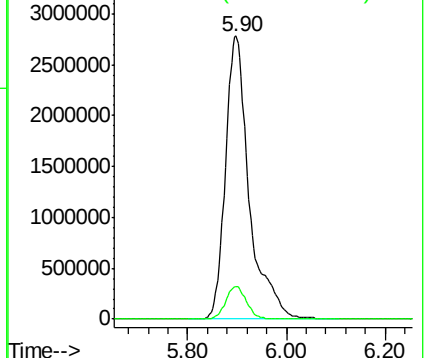
Tot Ion: 43 Resp: 9336227

Ion	Ratio	Lower	Upper
43	100		
86	11.6	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: 49.922 ug/l

RT: 5.85 min Scan# 1267

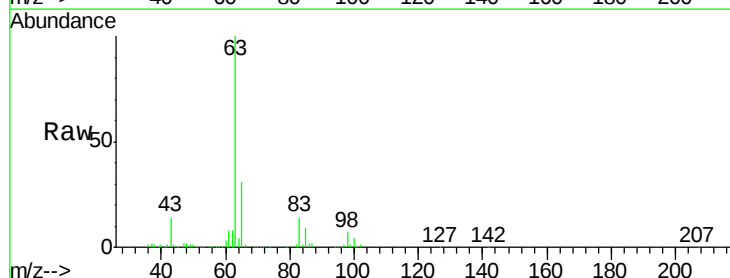
Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Tgt Ion: 63 Resp: 1541248

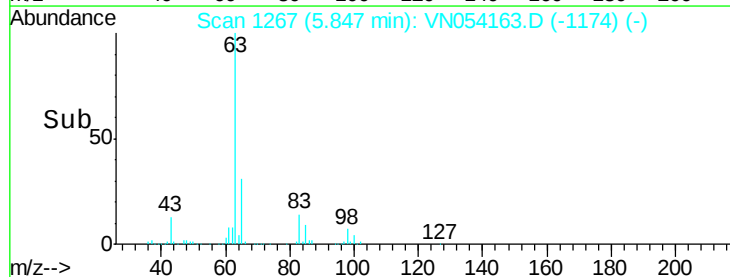
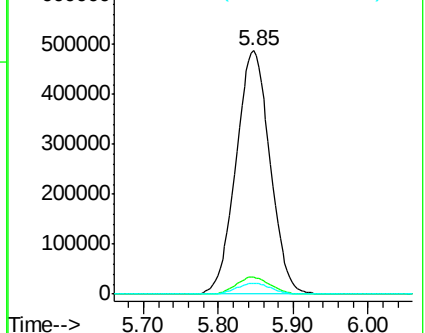
Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	4.5	2.0	6.0

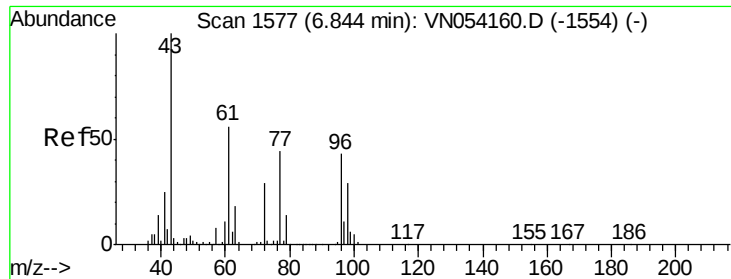


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

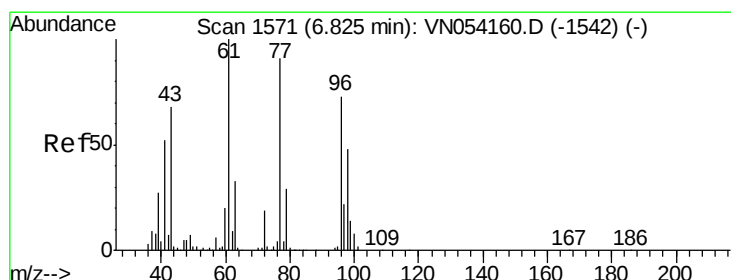
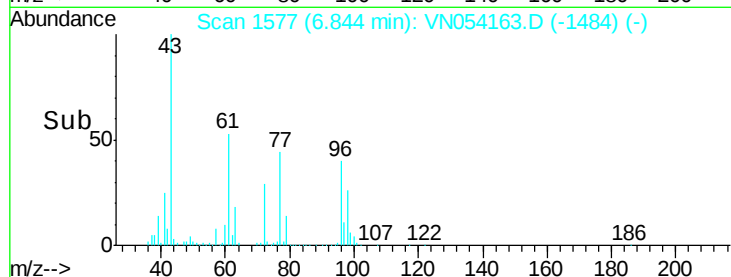
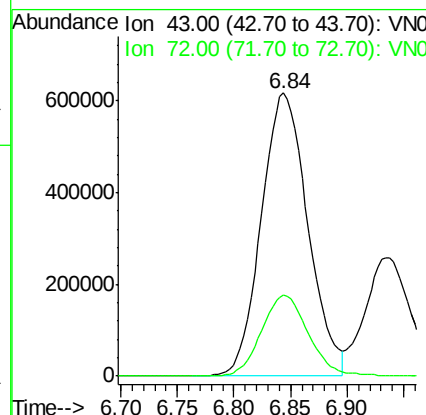
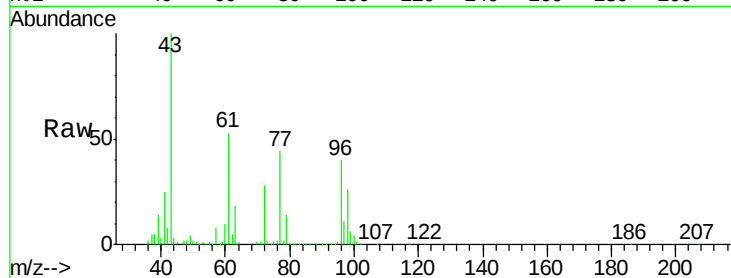




#25
2-Butanone
Concen: 271.831 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

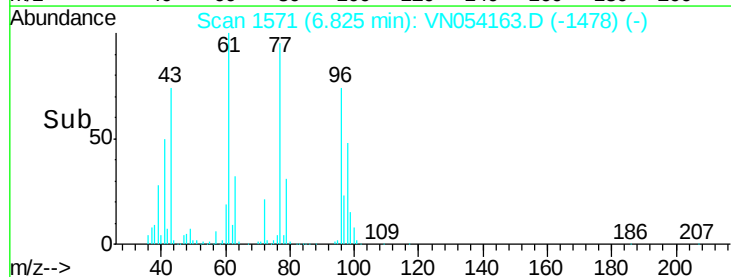
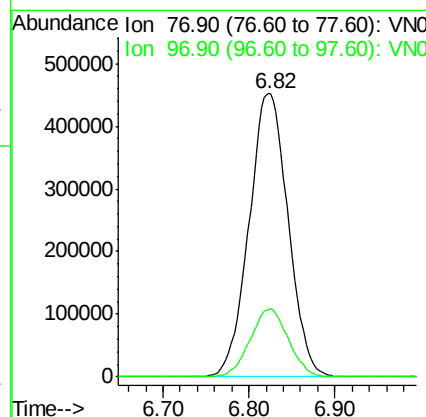
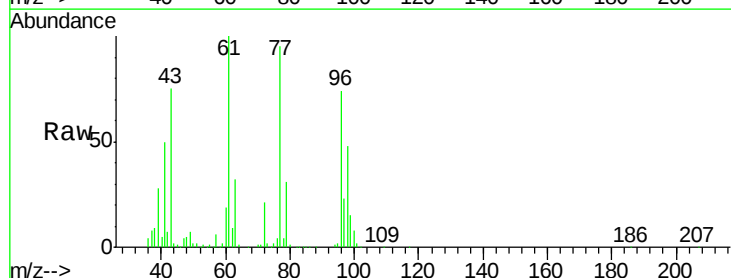
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

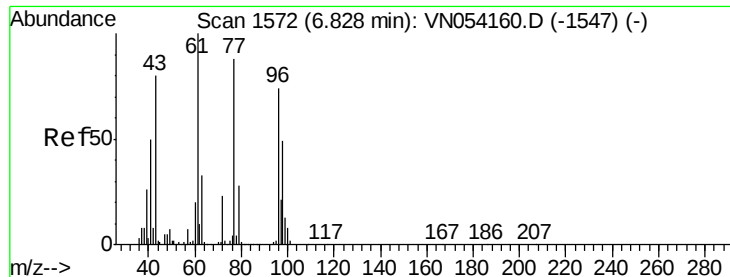
Tot Ion: 43 Resp: 1753469
Ion Ratio Lower Upper
43 100
72 28.5 23.0 34.6



#26
2,2-Dichloropropane
Concen: 52.594 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 77 Resp: 1427909
Ion Ratio Lower Upper
77 100
97 23.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 51.089 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

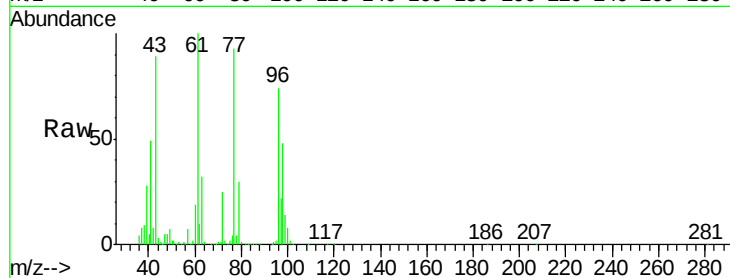
Tot Ion: 96 Resp: 1025404

Ion Ratio Lower Upper

96 100

61 136.2 0.0 273.0

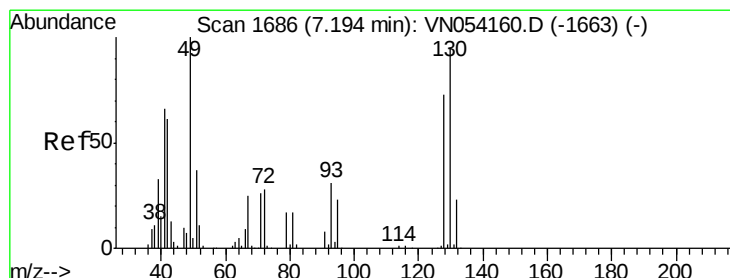
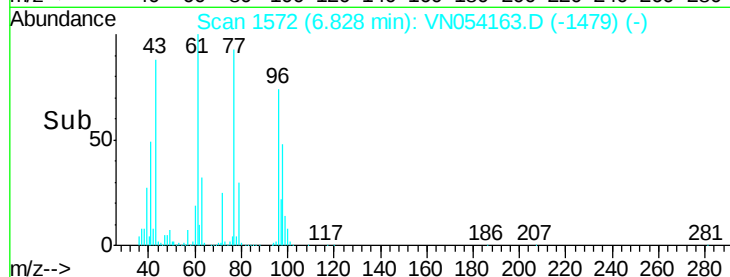
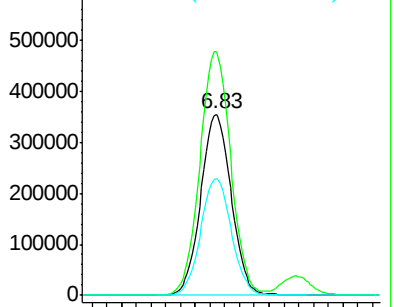
98 65.1 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.441 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

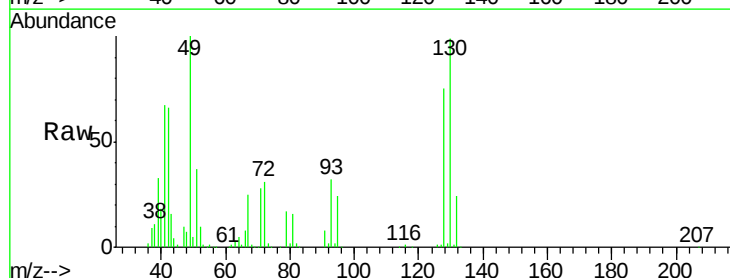
Tgt Ion: 49 Resp: 636635

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.6

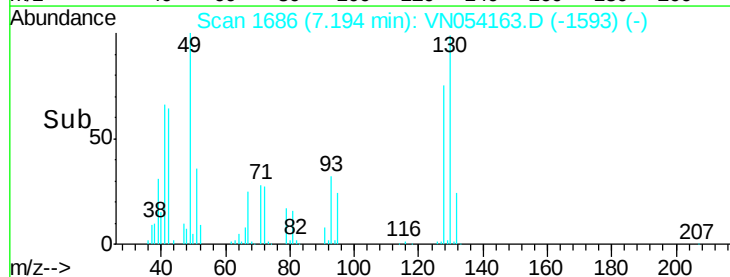
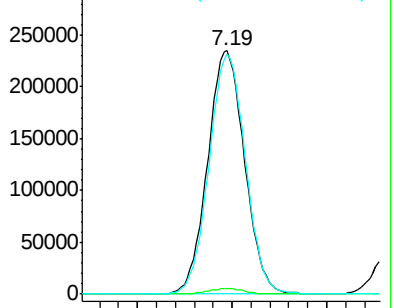
130 97.4 76.7 115.1

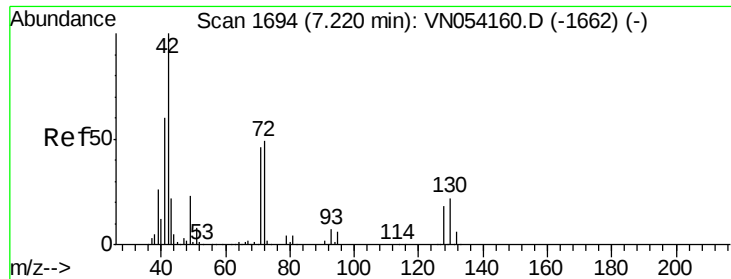


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

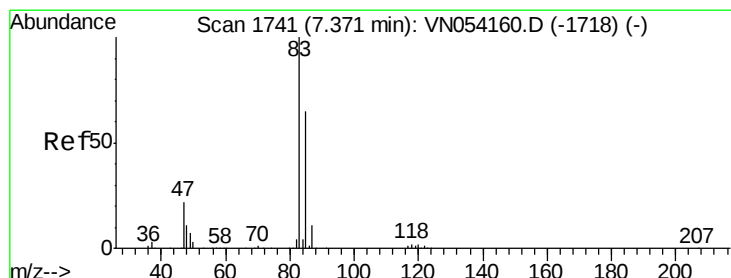
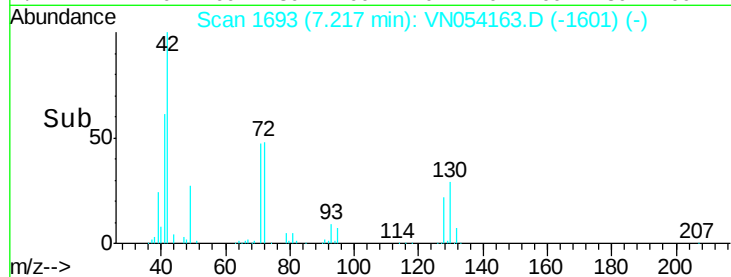
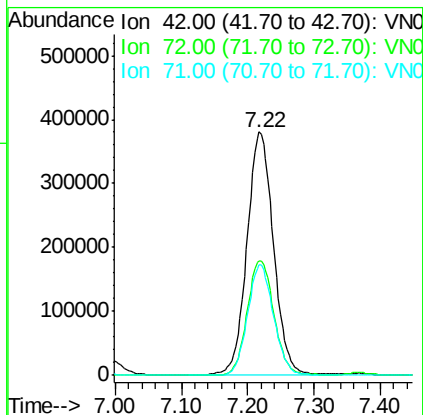
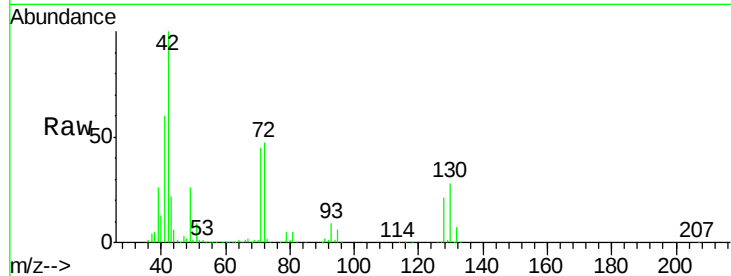




#29
Tetrahydrofuran
Concen: 254.244 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

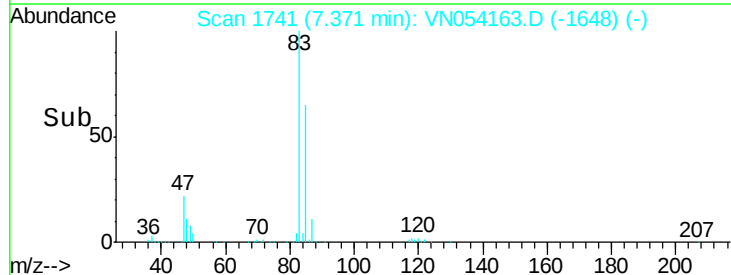
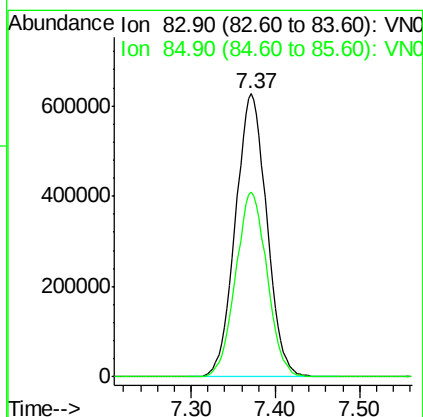
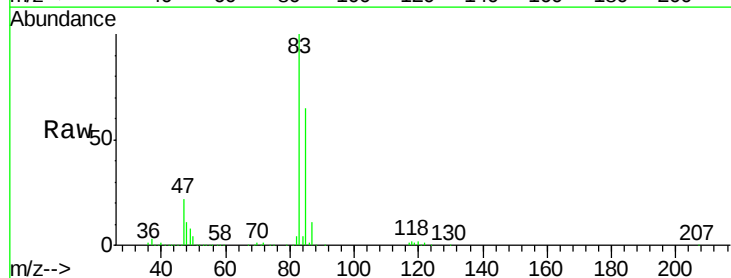
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

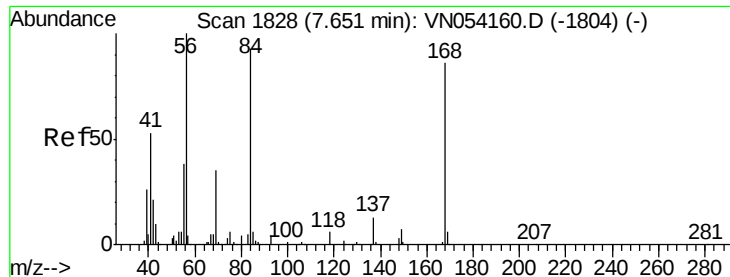
Tot Ion: 42 Resp: 1054474
Ion Ratio Lower Upper
42 100
72 47.4 37.8 56.6
71 44.9 36.2 54.2



#30
Chloroform
Concen: 50.267 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 83 Resp: 1619403
Ion Ratio Lower Upper
83 100
85 65.3 52.2 78.4





#31

Cyclohexane

Concen: 50.588 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

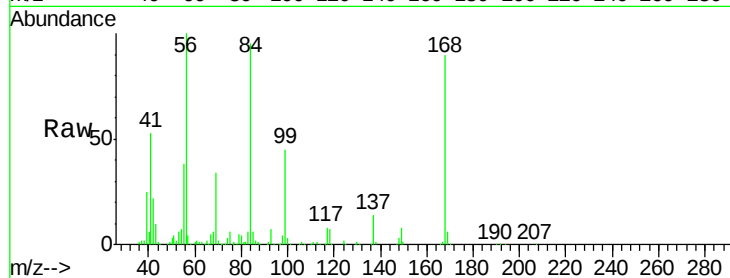
Tot Ion: 56 Resp: 1459761

Ion Ratio Lower Upper

56 100

69 34.2 27.8 41.6

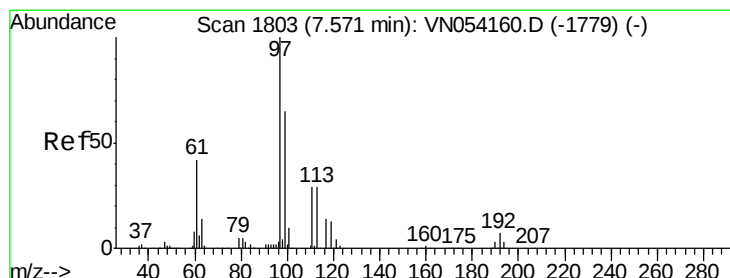
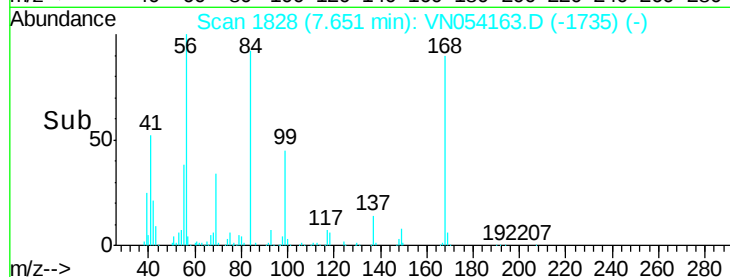
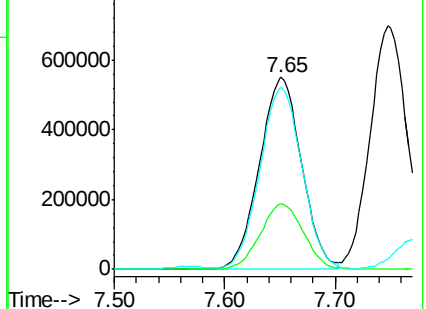
84 93.1 74.6 111.8



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: 50.755 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

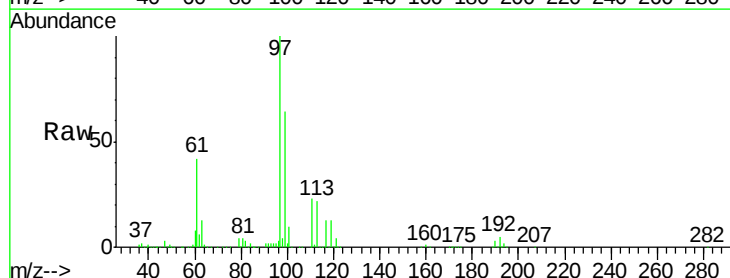
Tgt Ion: 97 Resp: 1476732

Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

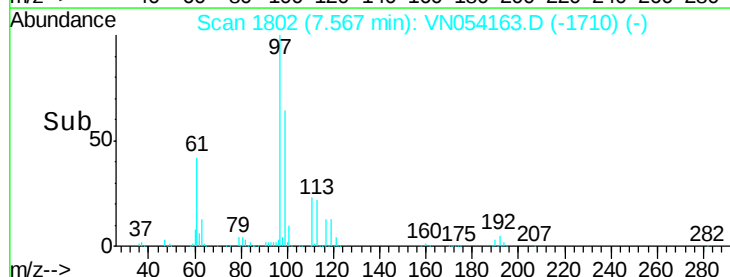
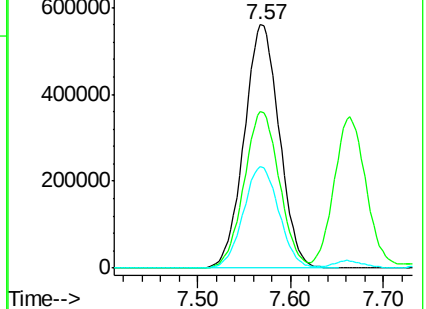
61 42.1 33.6 50.4

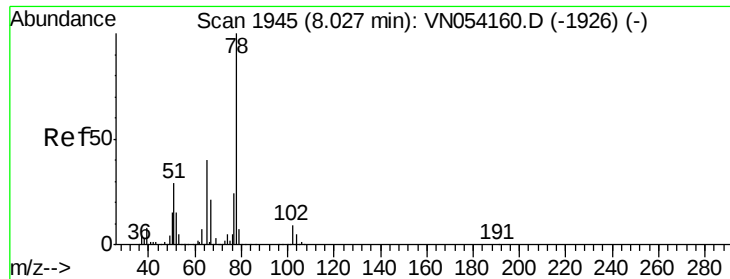


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

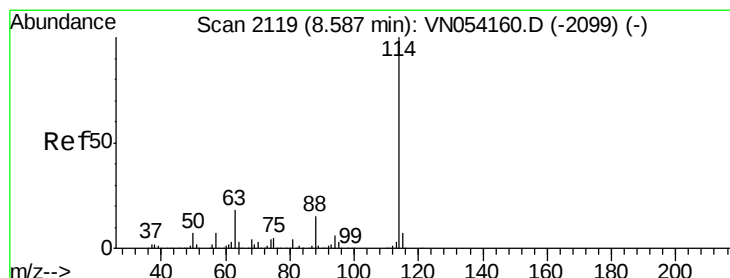
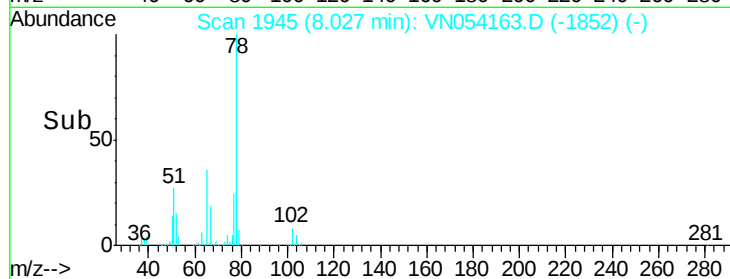
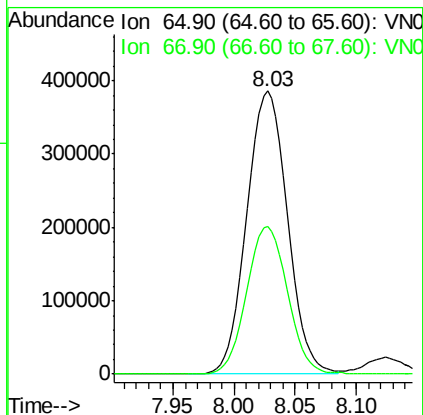
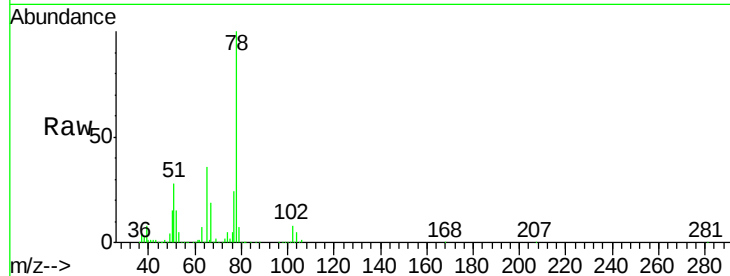




#33
 1,2-Dichloroethane-d4
 Concen: 46.499 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

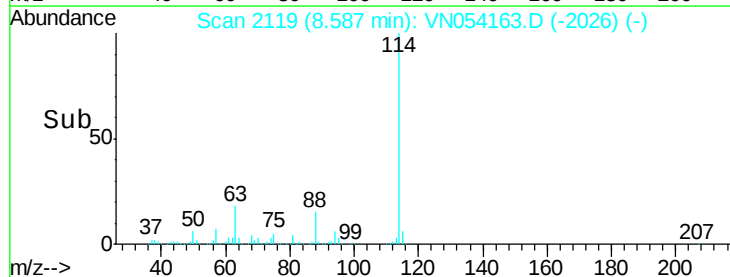
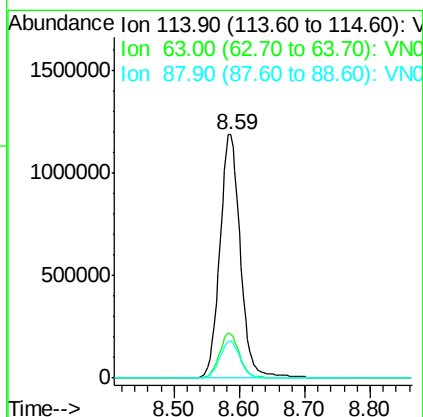
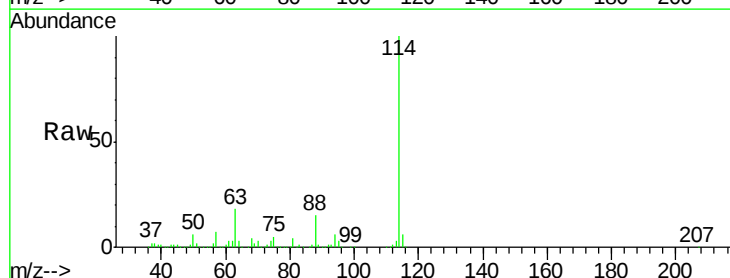
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

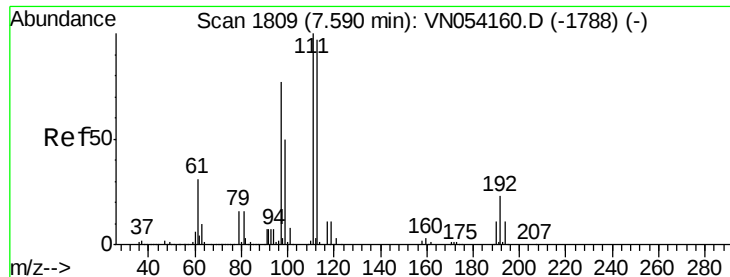
Tot Ion: 65 Resp: 892543
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion: 114 Resp: 2587335
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 15.2 0.0 30.2

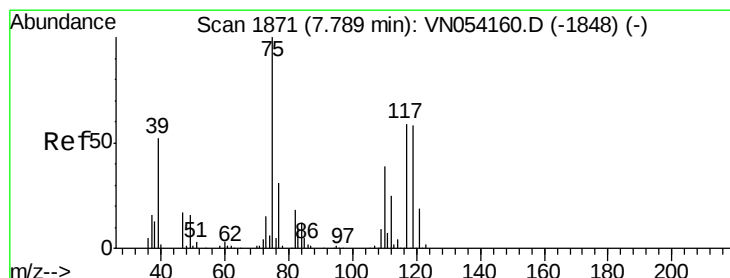
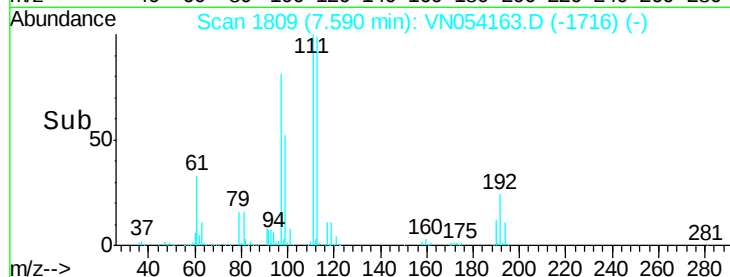
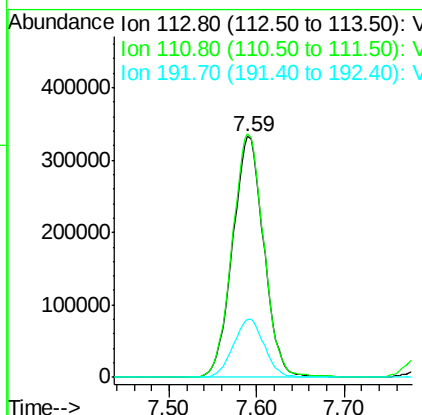
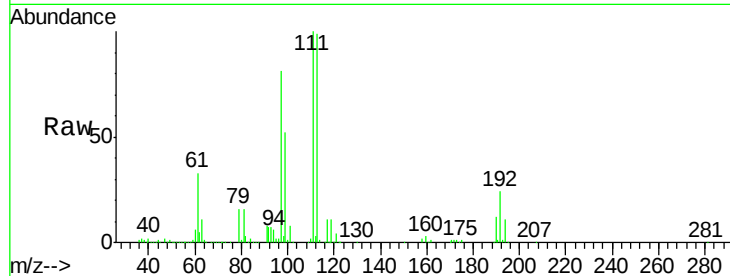




#35
 Dibromofluoromethane
 Concen: 49.298 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

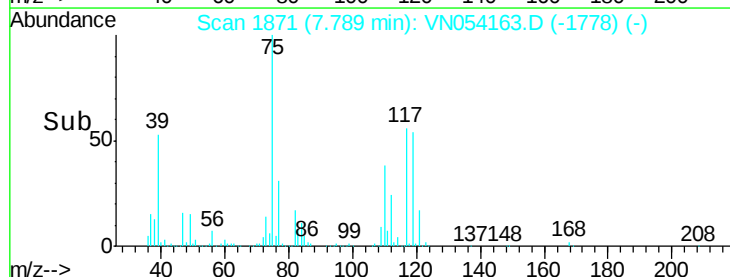
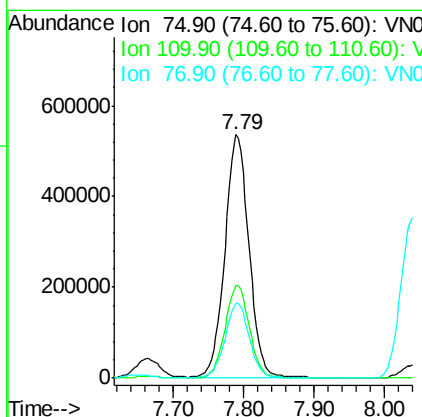
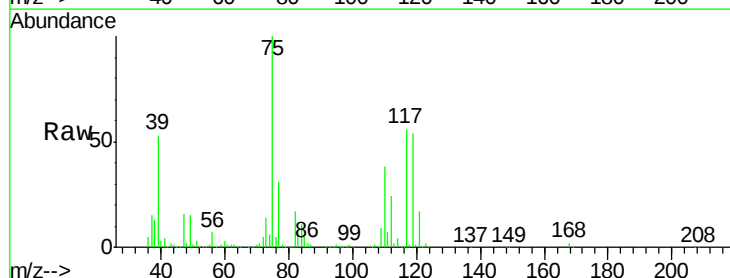
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

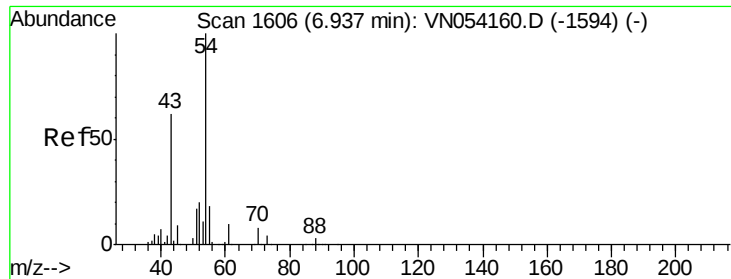
Tot Ion:113 Resp: 822646
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 23.9 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 53.955 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion: 75 Resp: 1285589
 Ion Ratio Lower Upper
 75 100
 110 38.4 19.1 57.5
 77 31.0 25.0 37.4

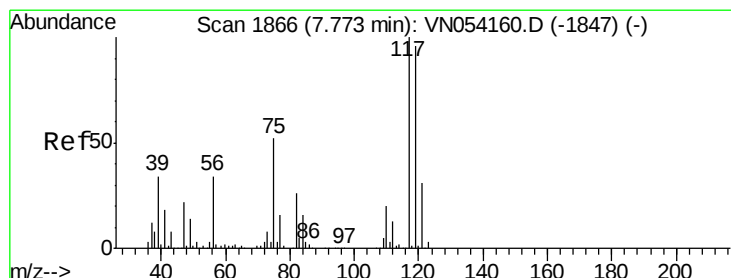
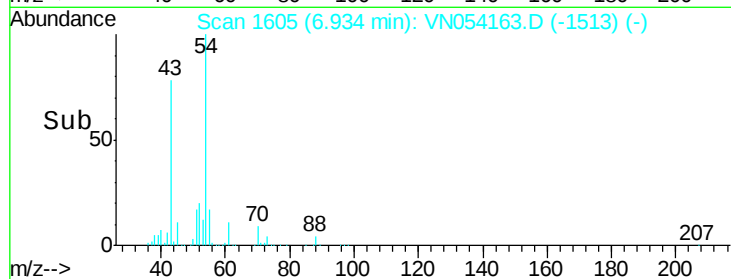
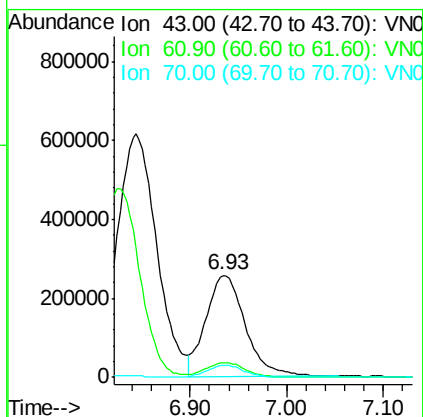
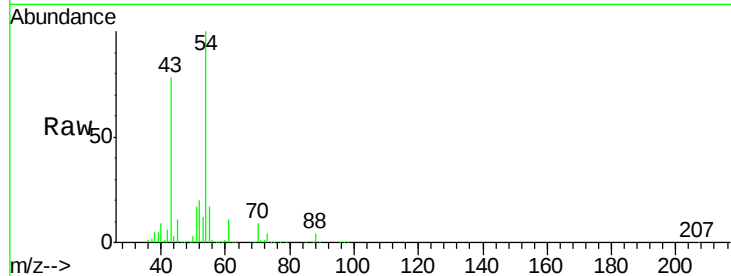




#37
Ethyl Acetate
Concen: 52.982 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

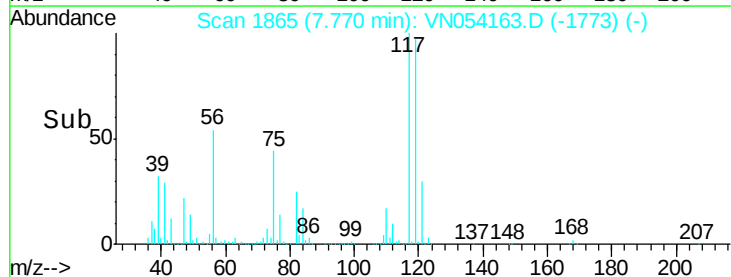
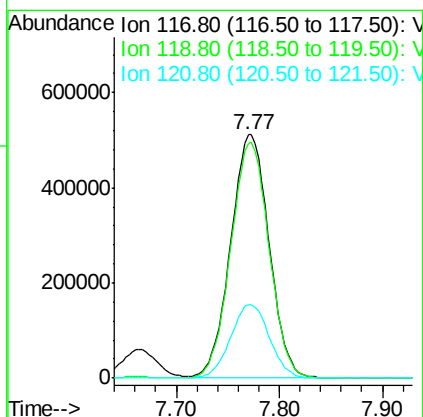
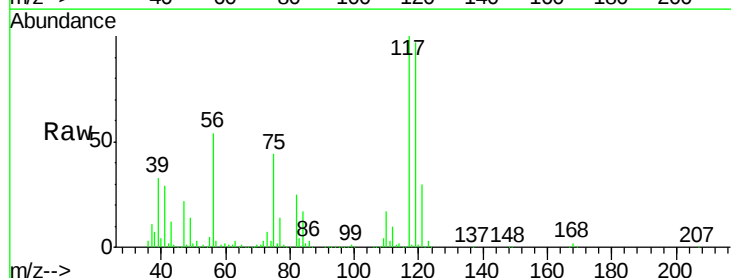
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

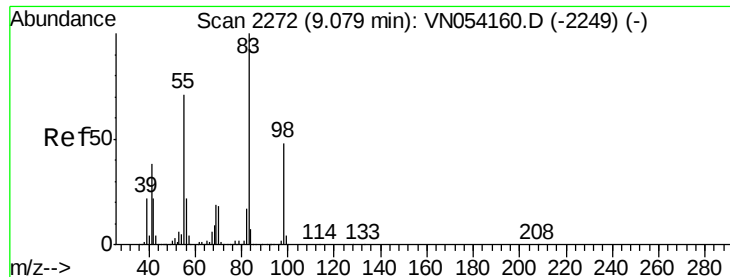
Tot Ion: 43 Resp: 725360
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.6
70 11.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 52.923 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 117 Resp: 1322388
Ion Ratio Lower Upper
117 100
119 96.6 76.3 114.5
121 30.4 24.6 36.8

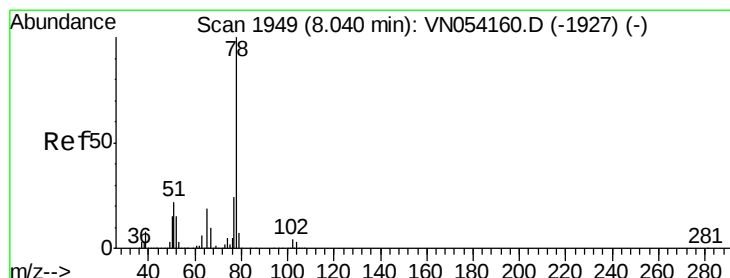
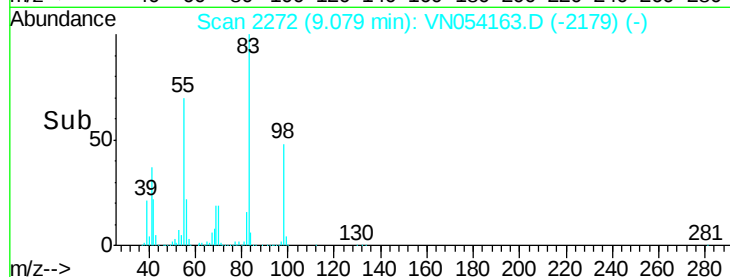
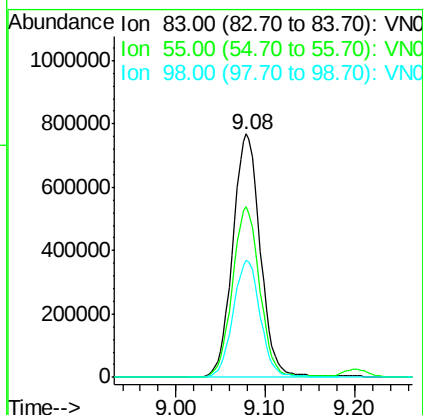
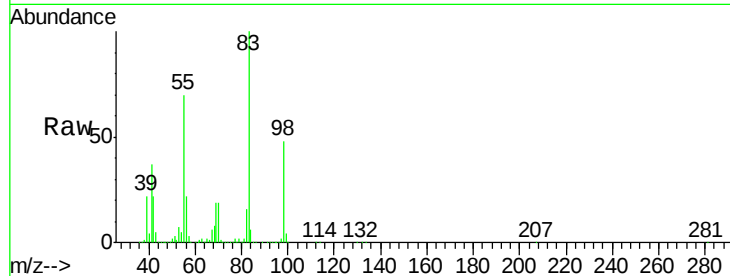




#39
Methvlcvclohexane
Concen: 56.068 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

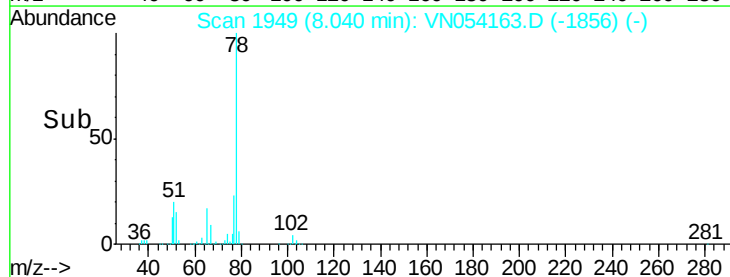
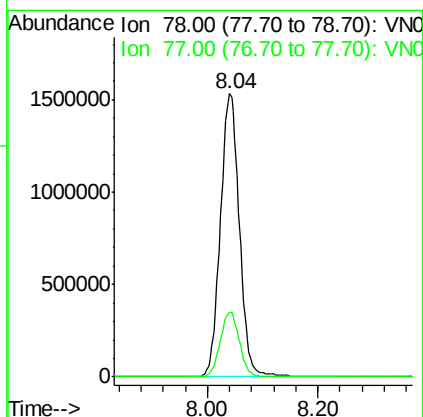
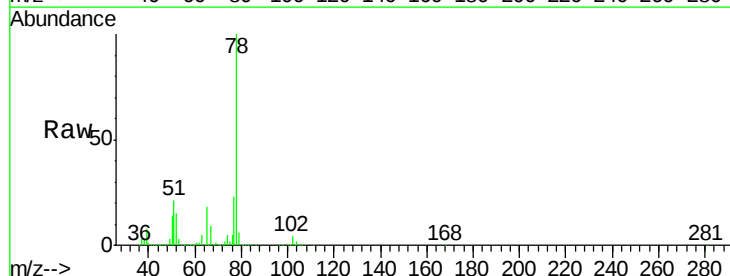
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

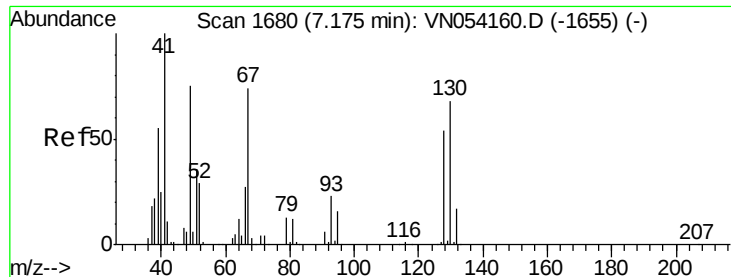
Tot Ion: 83 Resp: 1643701
Ion Ratio Lower Upper
83 100
55 70.3 56.6 84.8
98 48.0 38.4 57.6



#40
Benzene
Concen: 53.409 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 78 Resp: 3641609
Ion Ratio Lower Upper
78 100
77 23.0 19.1 28.7

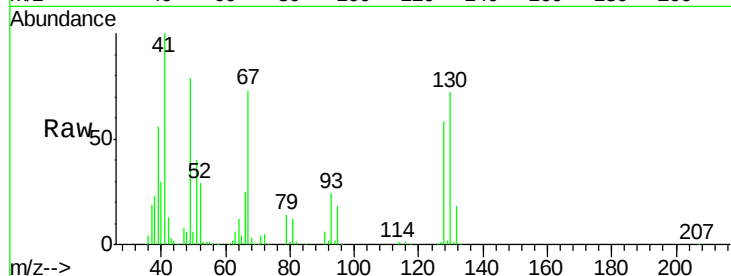




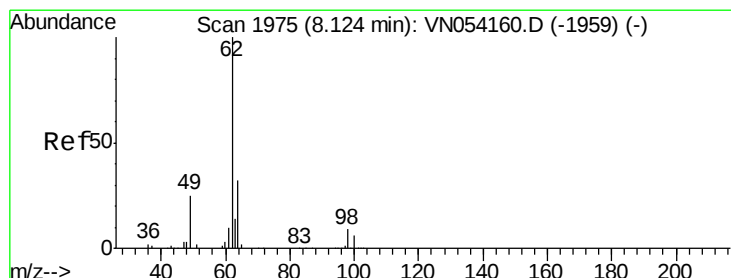
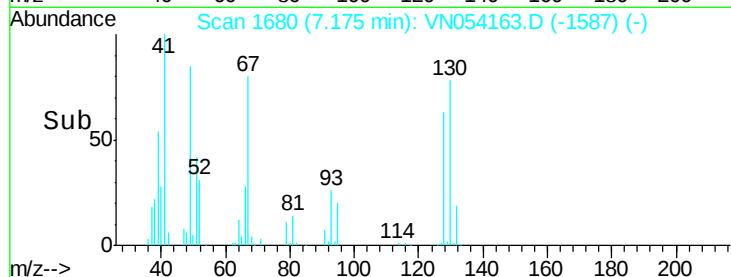
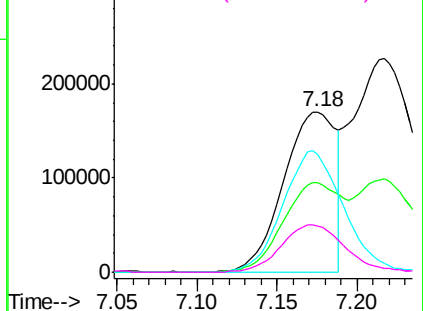
#41
Methacrylonitrile
Concen: 49.533 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tot Ion: 41 Resp: 387198
Ion Ratio Lower Upper
41 100
39 63.3 46.8 70.2
67 88.5 67.0 100.4
52 35.3 26.5 39.7

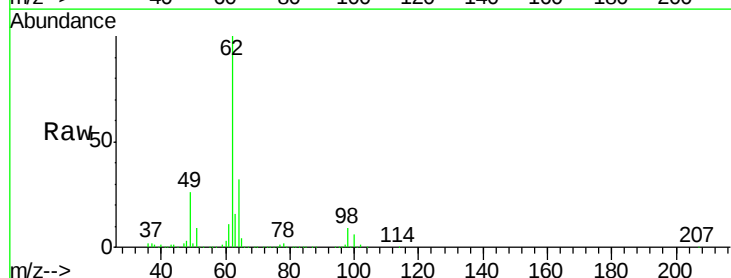


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

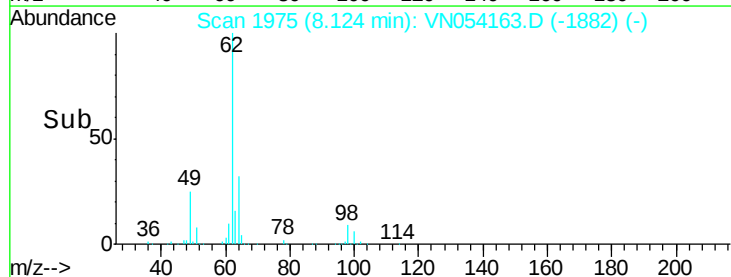
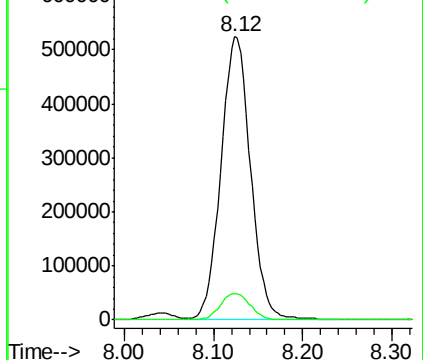


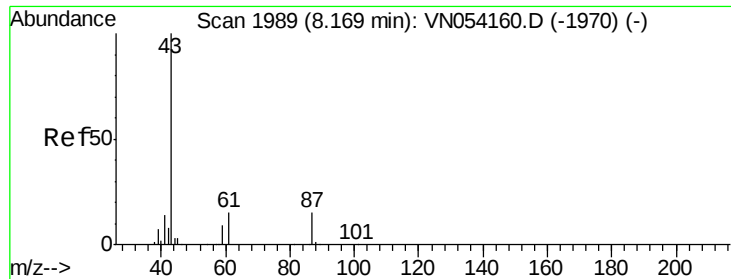
#42
1,2-Dichloroethane
Concen: 52.031 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 62 Resp: 1197738
Ion Ratio Lower Upper
62 100
98 9.6 0.0 18.4



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

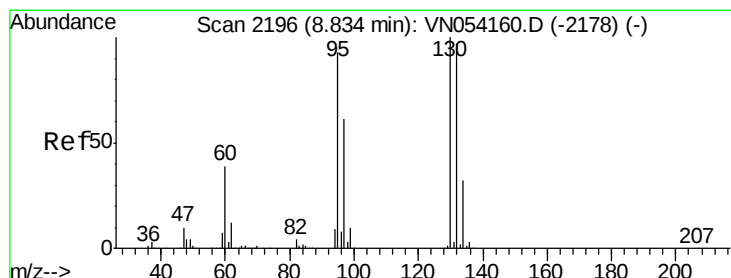
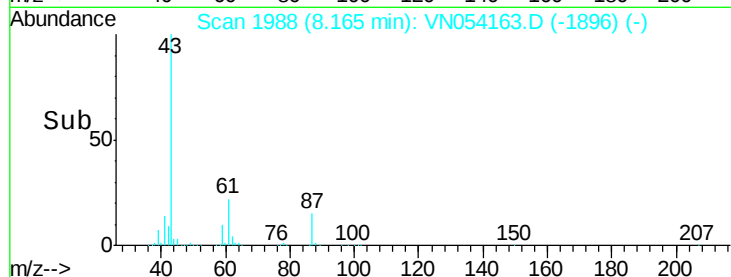
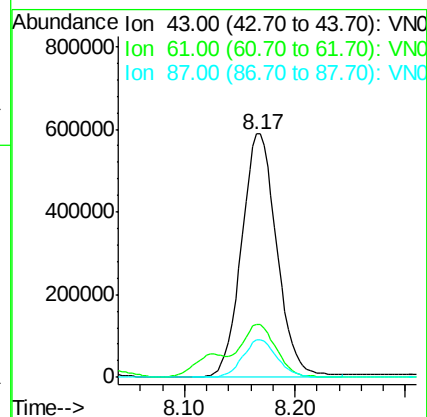
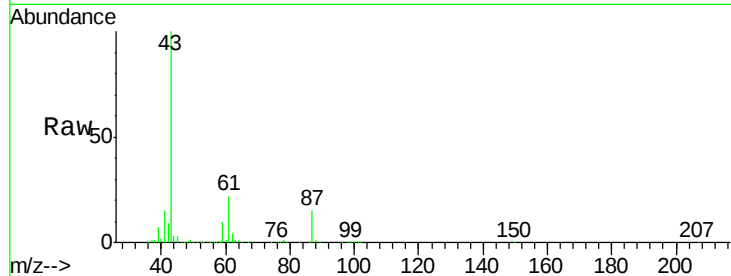




#43
Isopropyl Acetate
Concen: 54.095 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

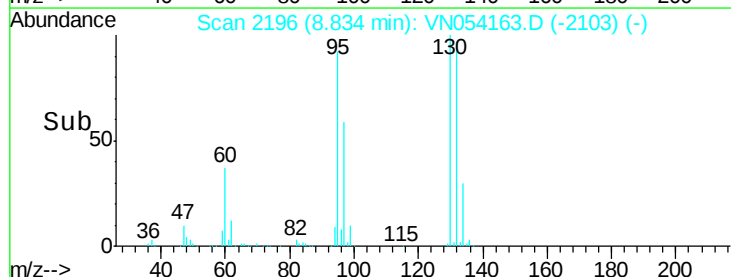
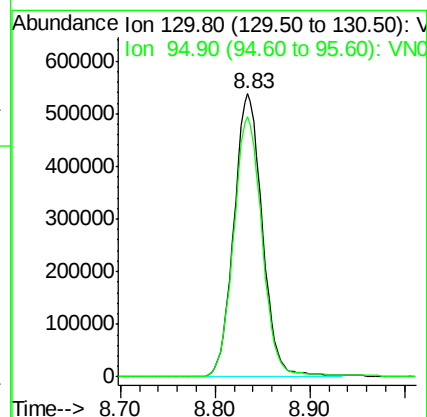
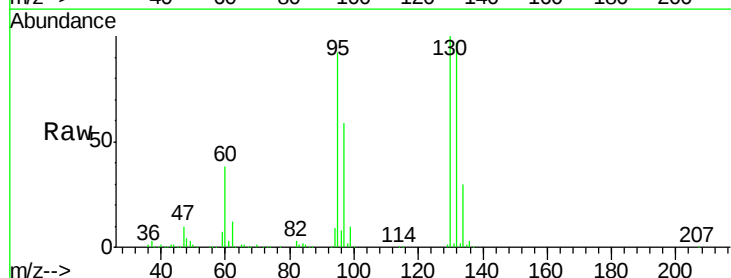
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

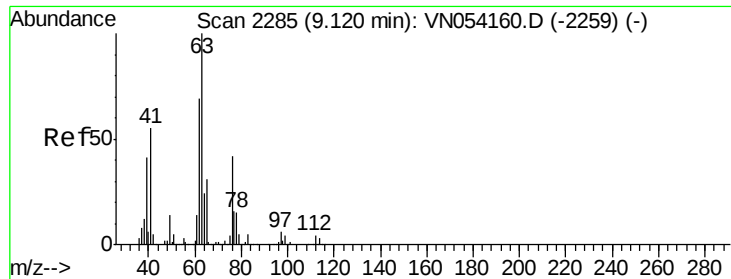
Tot Ion: 43 Resp: 1299958
Ion Ratio Lower Upper
43 100
61 21.1 15.8 23.8
87 15.3 12.0 18.0



#44
Trichloroethene
Concen: 52.995 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion:130 Resp: 1122495
Ion Ratio Lower Upper
130 100
95 92.2 0.0 185.2

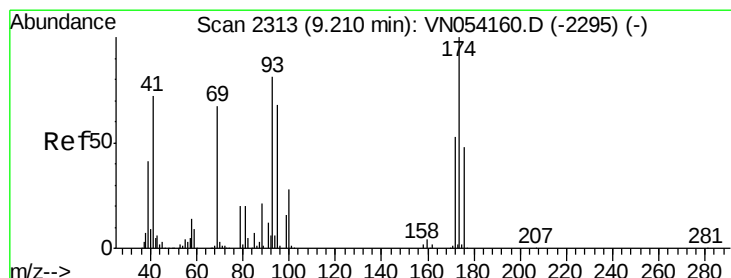
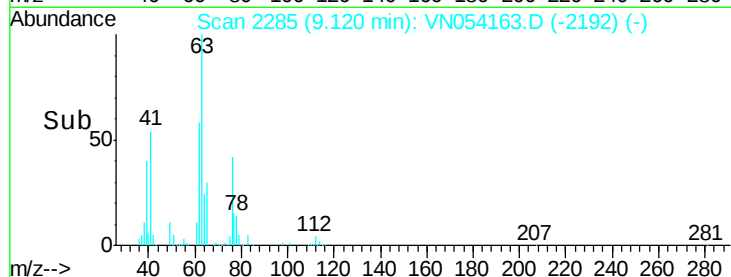
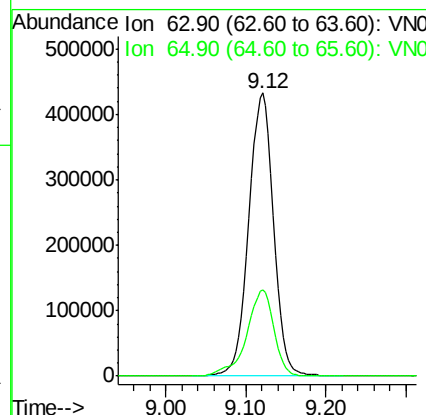
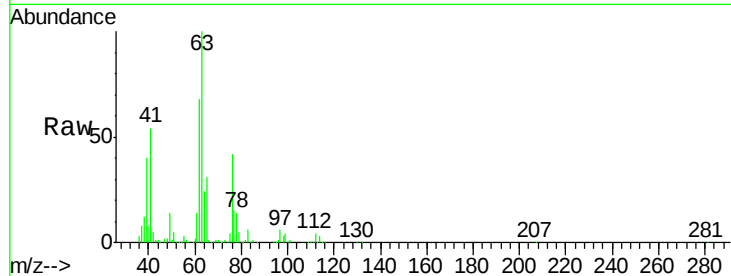




#45
 1,2-Dichloropropane
 Concen: 53.384 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

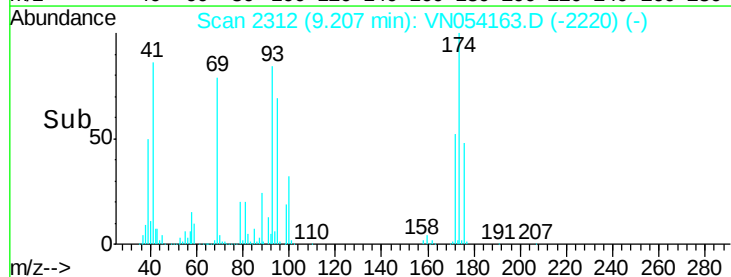
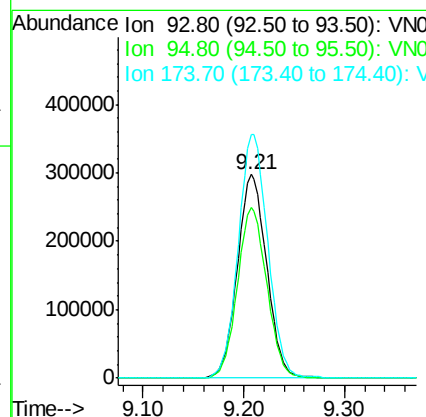
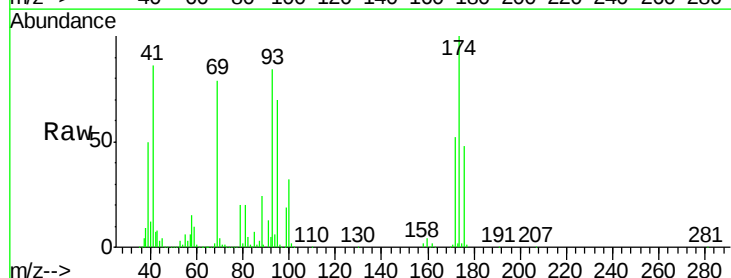
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

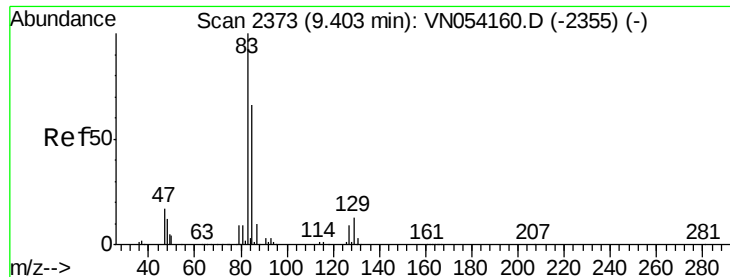
Tot Ion: 63 Resp: 903825
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6



#46
 Dibromomethane
 Concen: 52.586 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion: 93 Resp: 601548
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.7 100.1
 174 120.3 98.5 147.7





#47

Bromodichloromethane

Concen: 54.449 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

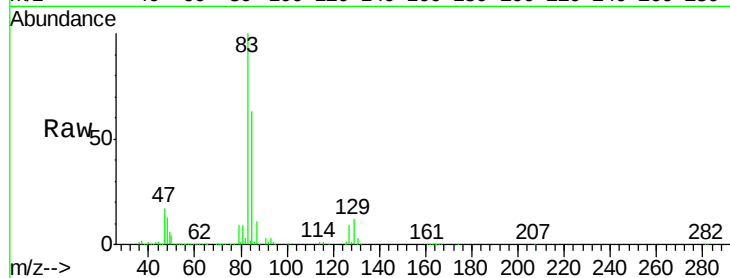
Tot Ion: 83 Resp: 1248683

Ion Ratio Lower Upper

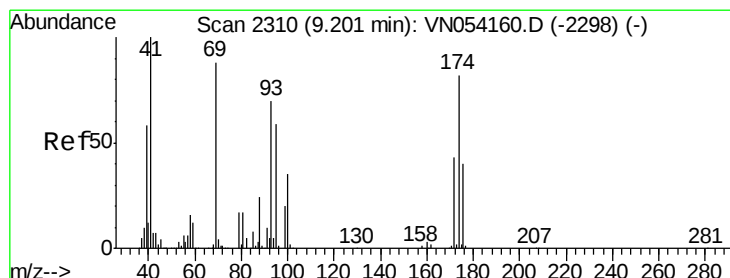
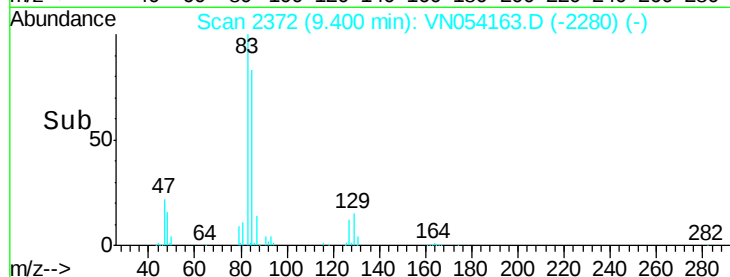
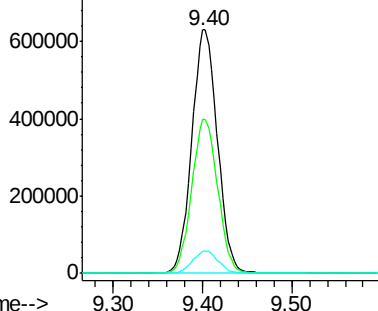
83 100

85 63.5 52.8 79.2

127 8.9 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): V



#48

Methyl methacrylate

Concen: 53.147 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

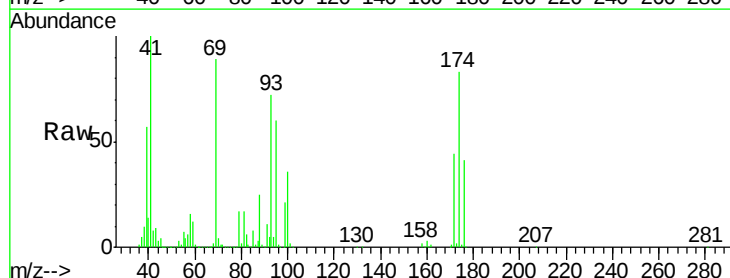
Tgt Ion: 41 Resp: 648147

Ion Ratio Lower Upper

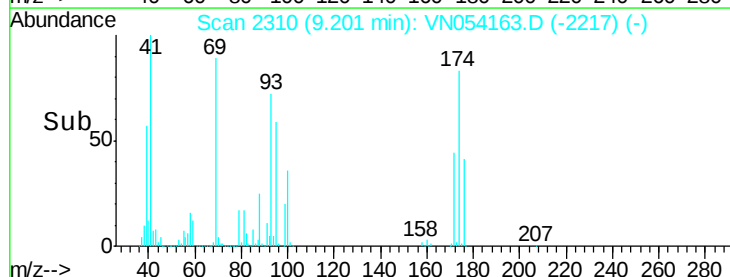
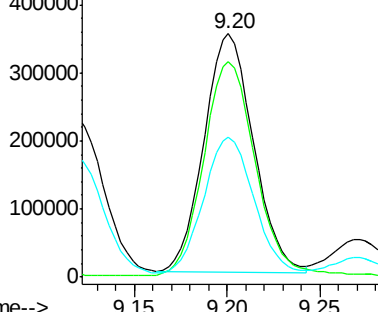
41 100

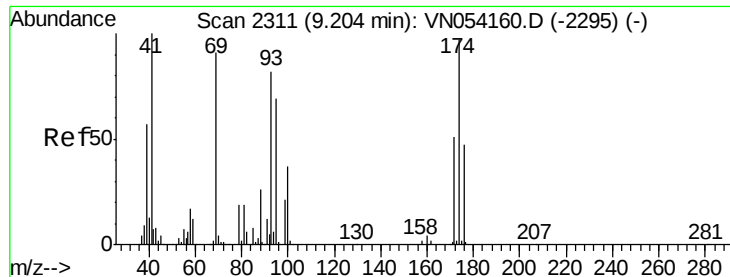
69 95.9 72.6 108.8

39 60.8 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

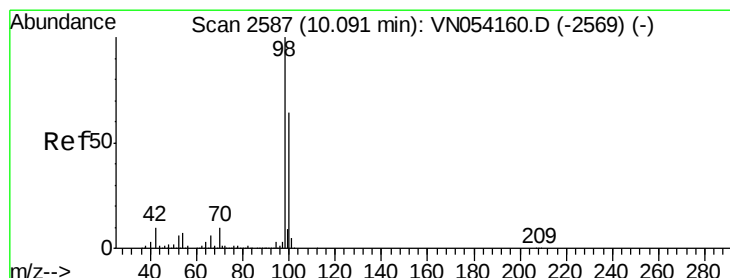
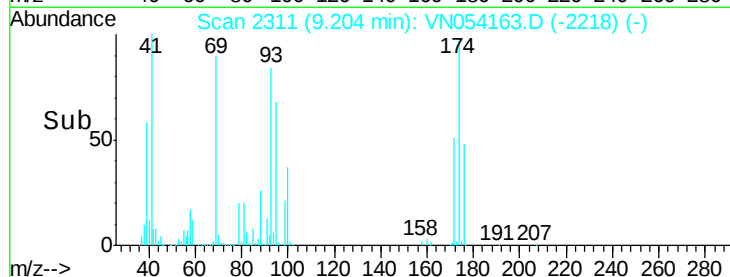
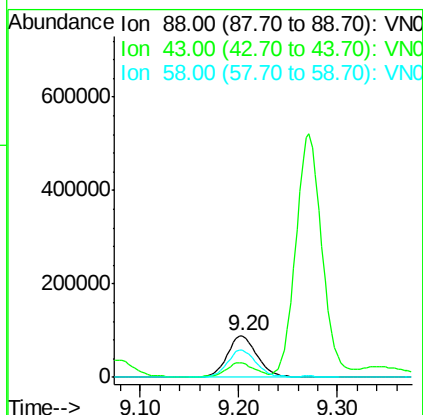
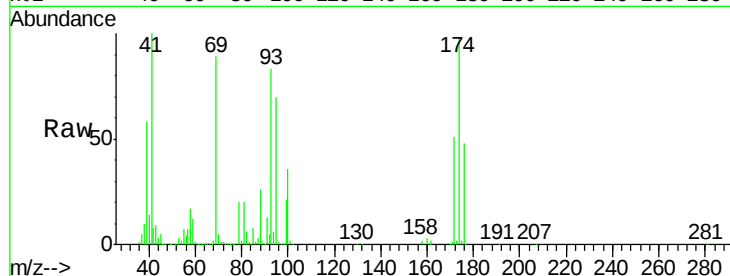




#49
 1,4-Dioxane
 Concen: 1098.646 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

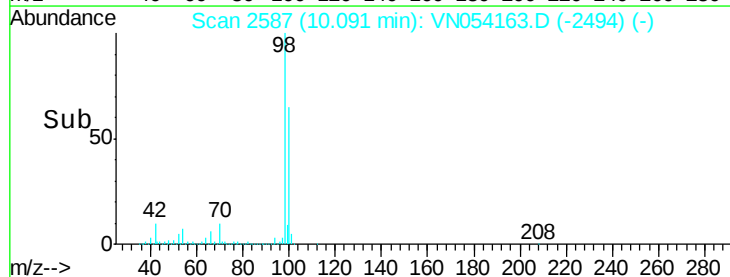
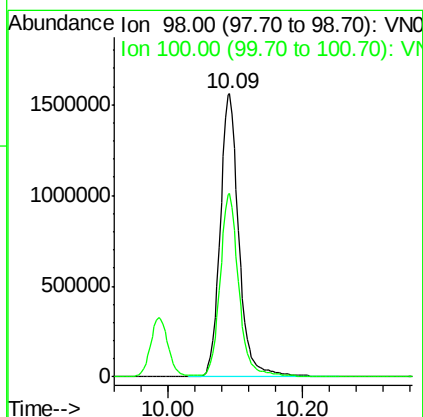
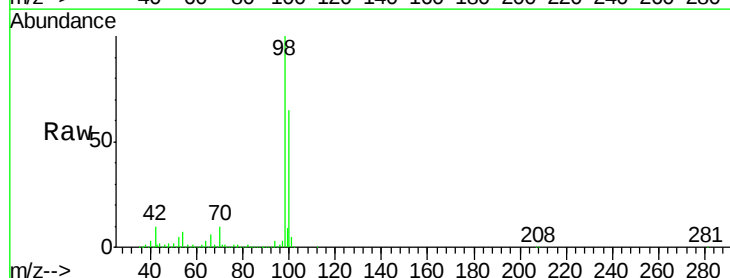
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

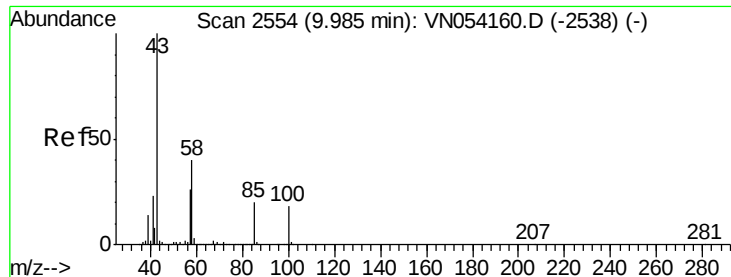
Tot Ion: 88 Resp: 189519
 Ion Ratio Lower Upper
 88 100
 43 30.6 24.1 36.1
 58 63.6 50.8 76.2



#50
 Toluene-d8
 Concen: 49.365 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion: 98 Resp: 3042286
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 278.818 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

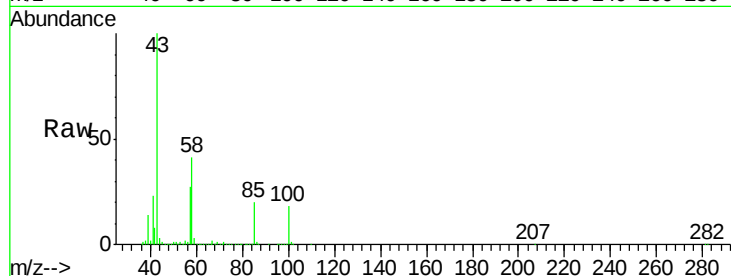
ICVVN031219

Tot Ion: 43 Resp: 3545842

Ion Ratio Lower Upper

43 100

58 39.9 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

2000000

1500000

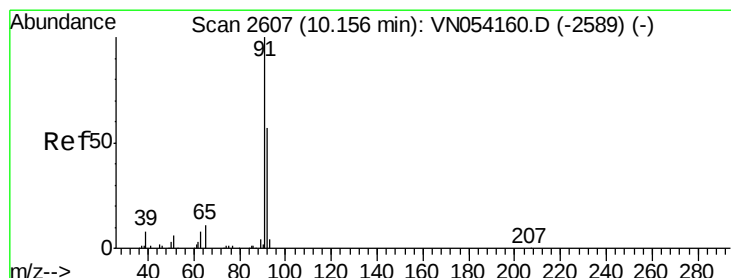
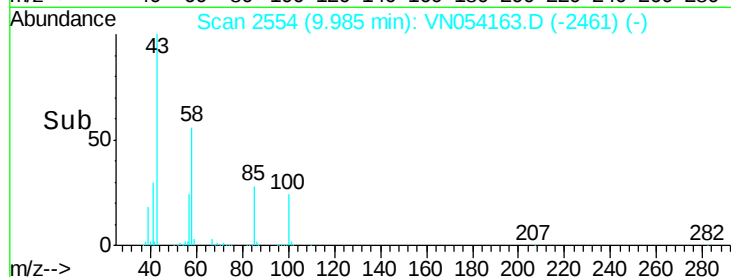
1000000

500000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 53.512 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054163.D

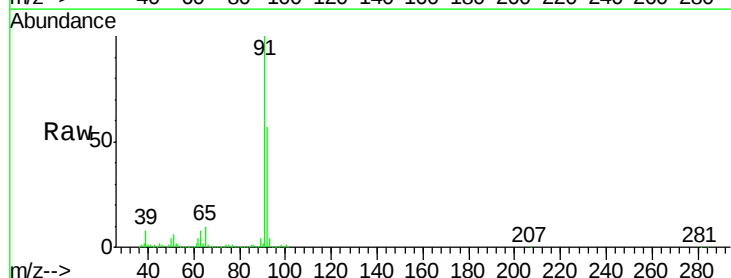
Acq: 12 Mar 2019 13:51

Tgt Ion: 92 Resp: 2313510

Ion Ratio Lower Upper

92 100

91 175.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

2000000

1500000

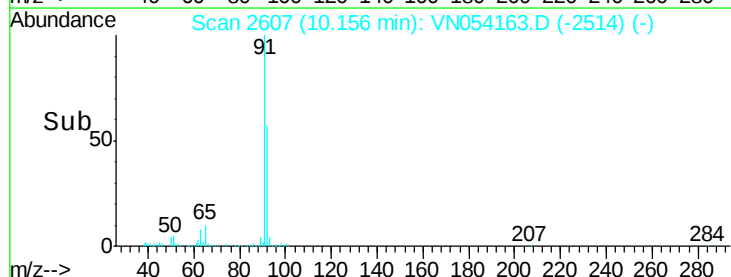
1000000

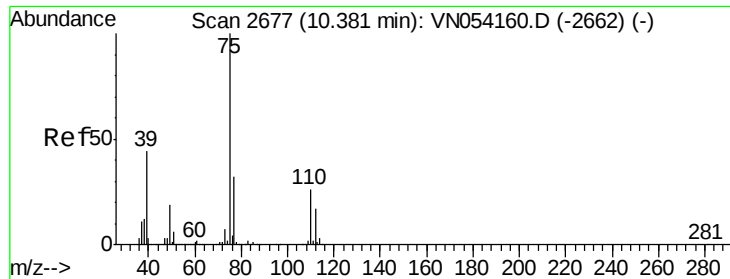
500000

0

10.00 10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.637 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

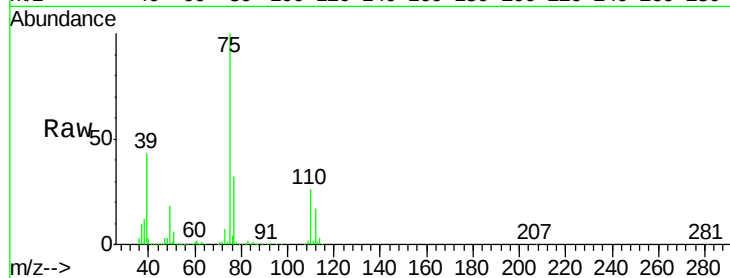
ICVVN031219

Tot Ion: 75 Resp: 1328883

Ion Ratio Lower Upper

75 100

77 31.4 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

800000

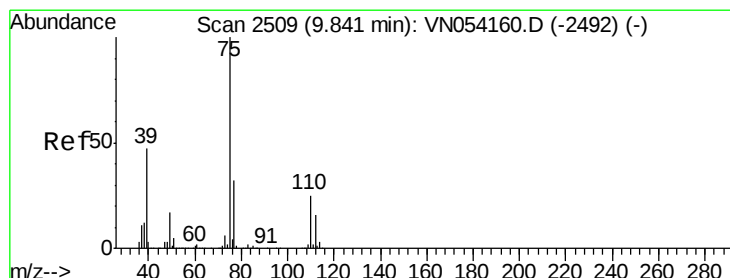
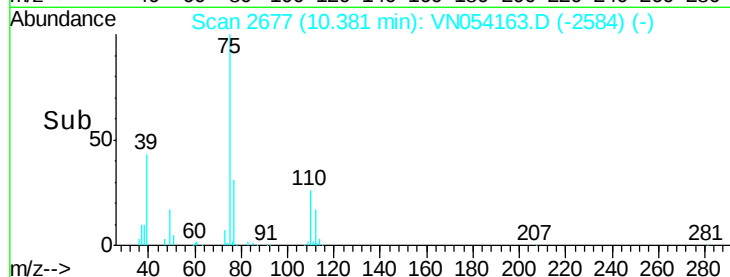
600000

400000

200000

0

Time--> 10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 55.491 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

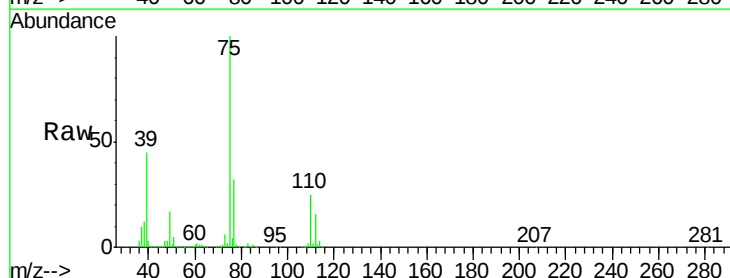
Tgt Ion: 75 Resp: 1482934

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 45.2 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

1000000

800000

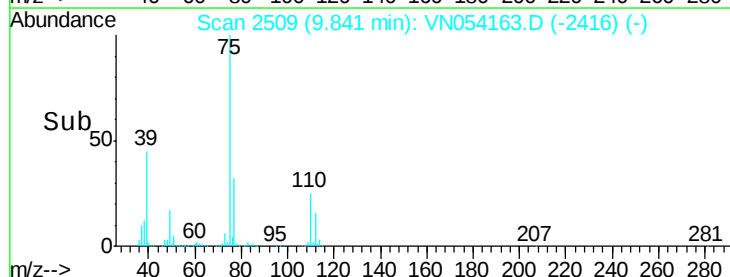
600000

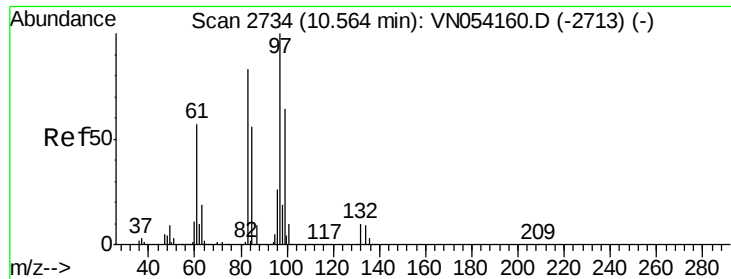
400000

200000

0

Time--> 9.70 9.80 9.90 10.00

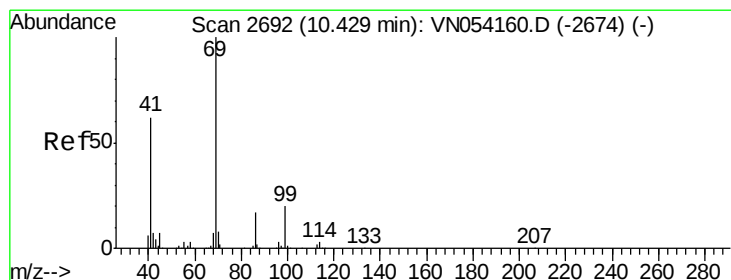
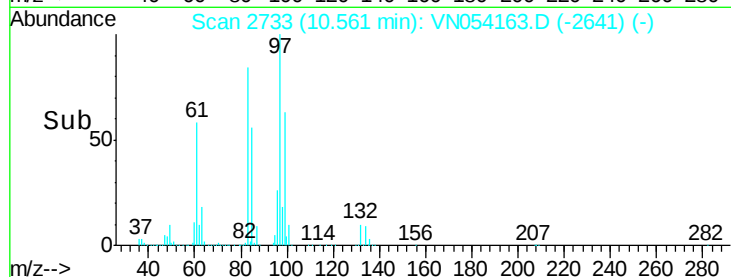
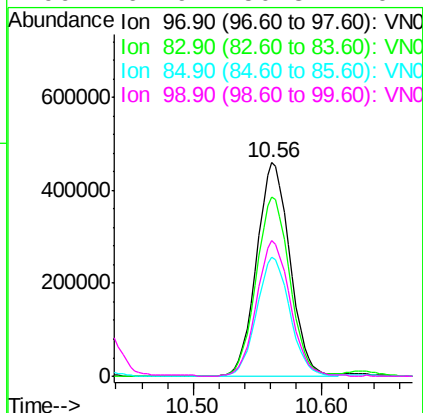
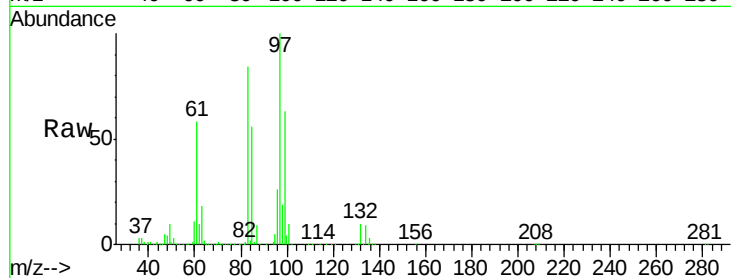




#55
 1,1,2-Trichloroethane
 Concen: 52.670 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

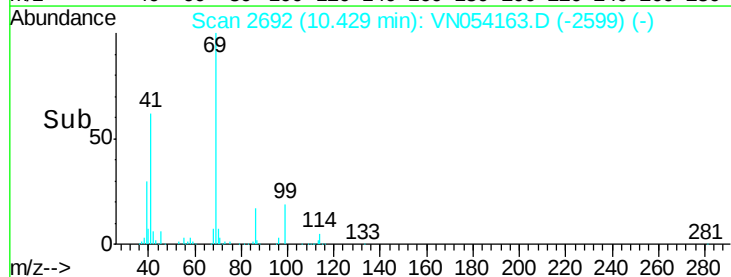
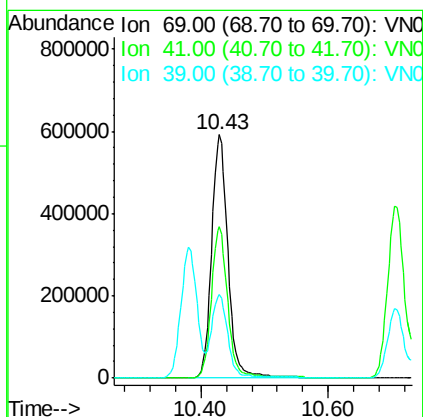
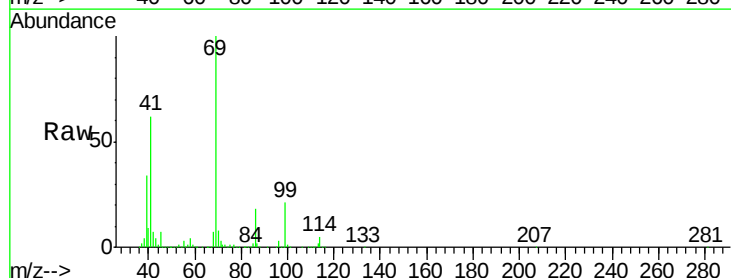
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

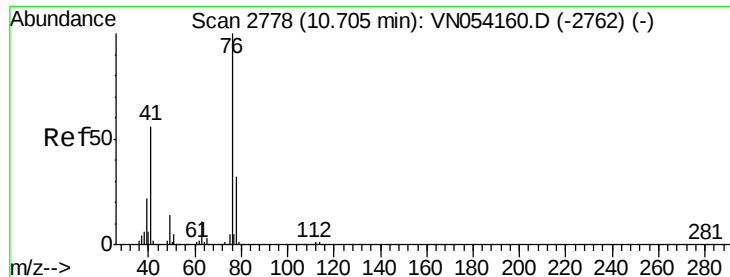
Tot Ion: 97 Resp: 831457
 Ion Ratio Lower Upper
 97 100
 83 84.1 66.6 100.0
 85 55.7 44.4 66.6
 99 62.9 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 56.025 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion: 69 Resp: 1054549
 Ion Ratio Lower Upper
 69 100
 41 60.7 49.4 74.2
 39 33.4 28.3 42.5





#57

1,3-Dichloropropane

Concen: 53.447 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

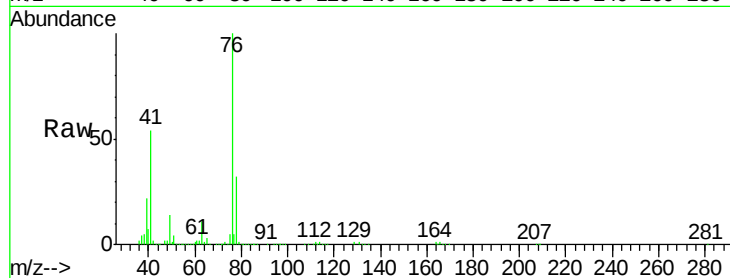
ICVVN031219

Tot Ion: 76 Resp: 1379580

Ion Ratio Lower Upper

76 100

78 31.9 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

800000

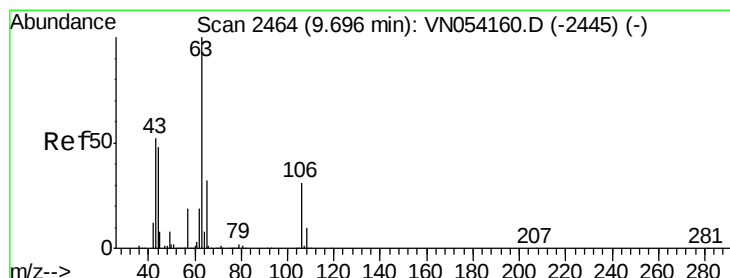
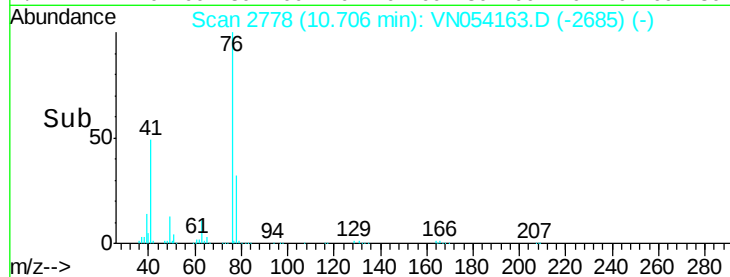
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 235.141 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054163.D

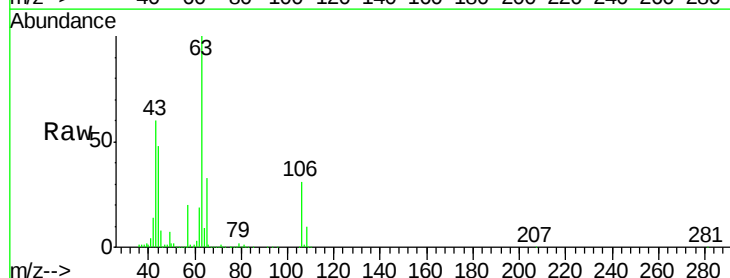
Acq: 12 Mar 2019 13:51

Tgt Ion: 63 Resp: 1911441

Ion Ratio Lower Upper

63 100

106 30.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

1200000

1000000

800000

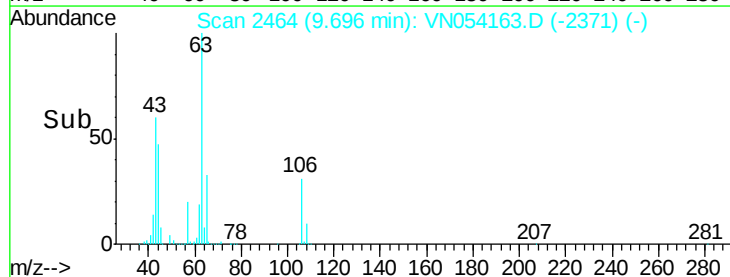
600000

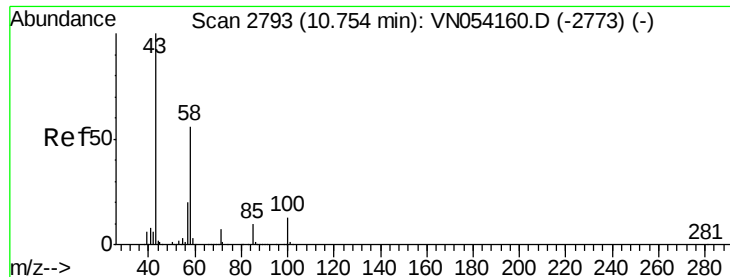
400000

200000

0

Time-->

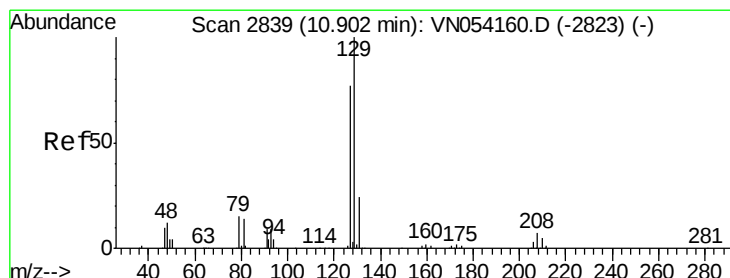
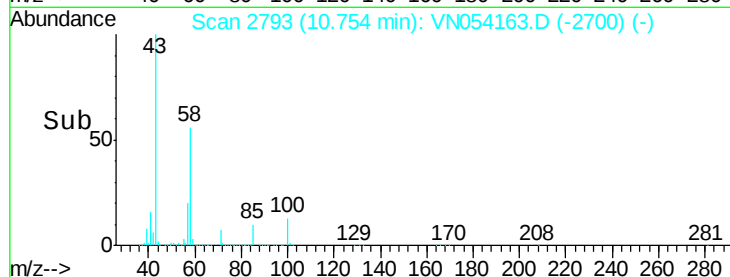
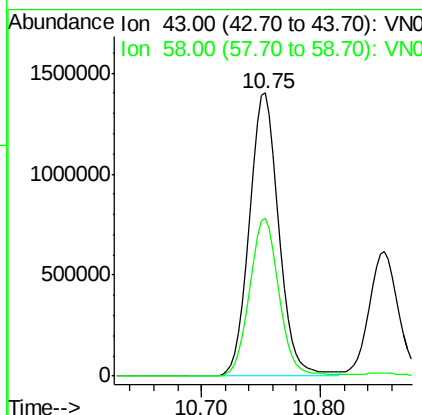
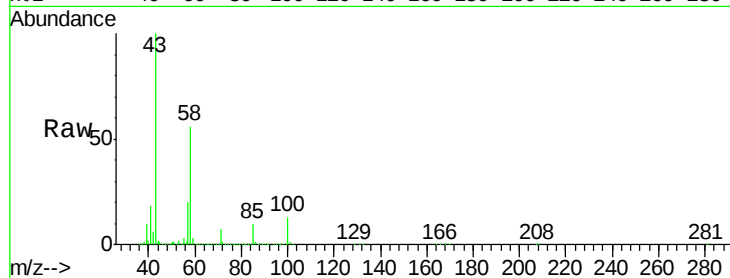




#59
2-Hexanone
Concen: 283.369 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

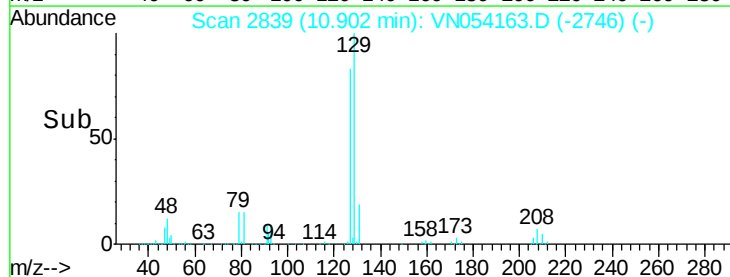
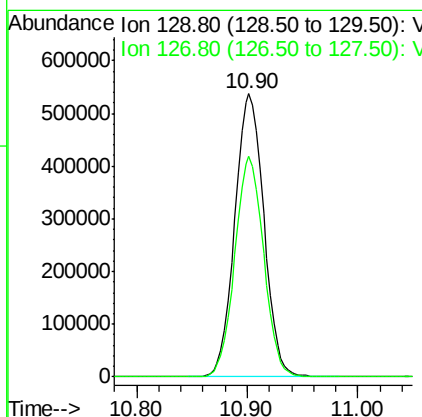
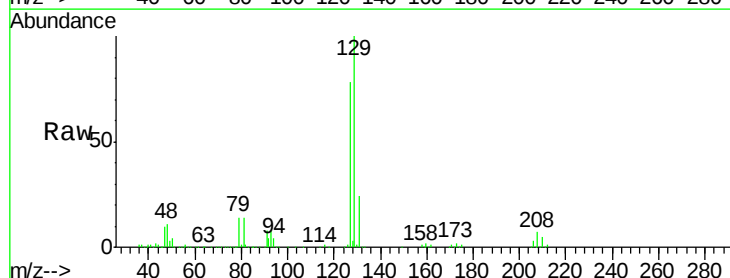
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

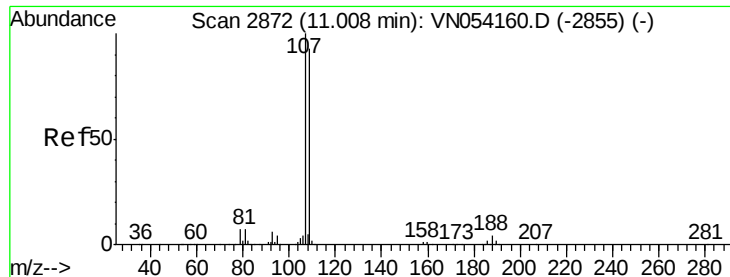
Tot Ion: 43 Resp: 2397907
Ion Ratio Lower Upper
43 100
58 56.2 28.0 83.9



#60
Dibromochloromethane
Concen: 55.210 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 129 Resp: 980989
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8

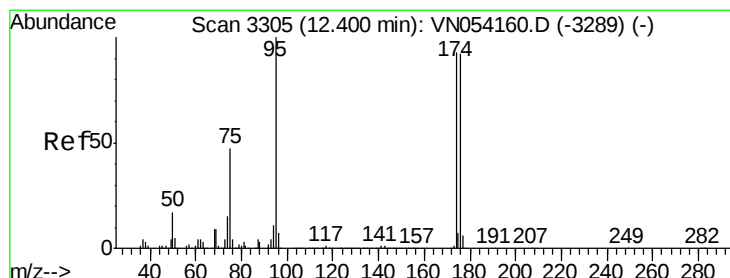
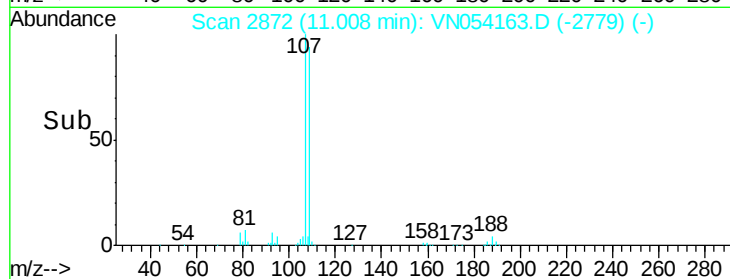
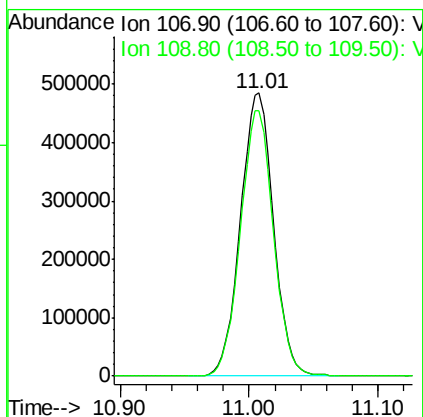
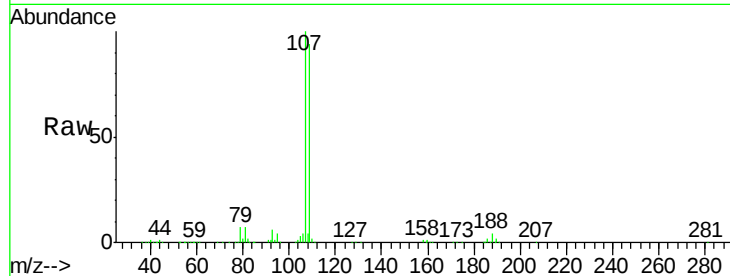




#61
 1,2-Dibromoethane
 Concen: 53.837 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

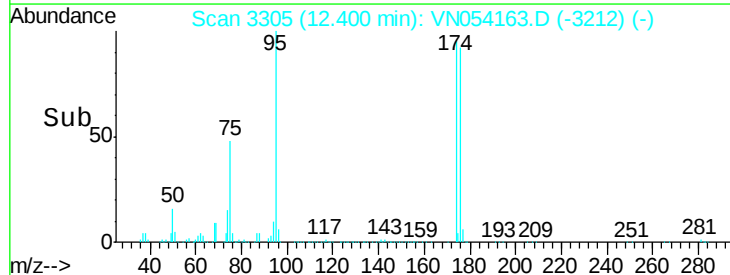
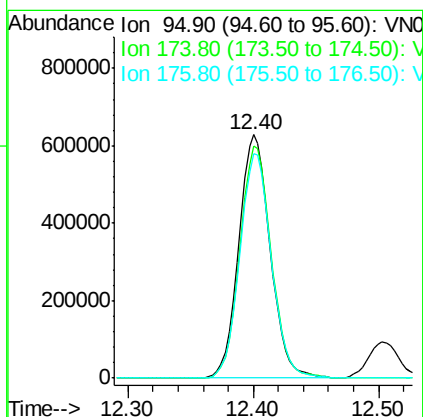
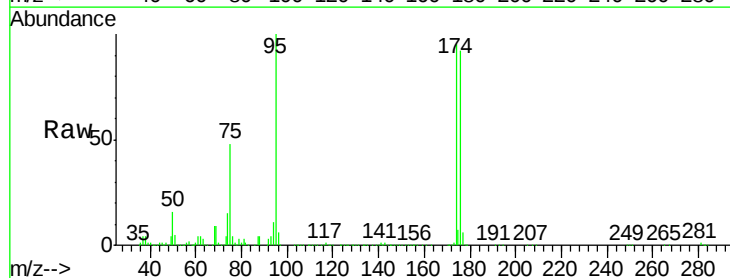
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

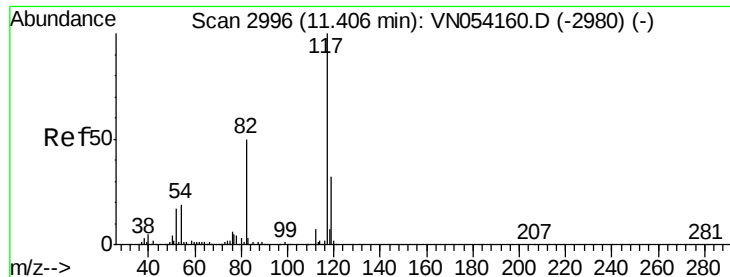
Tot Ion:107 Resp: 863665
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 50.590 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion: 95 Resp: 1090904
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 191.0
 176 93.0 0.0 187.4

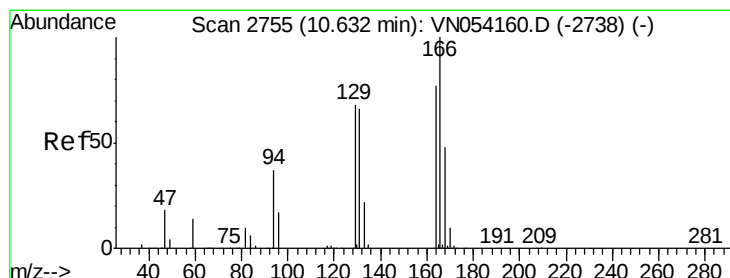
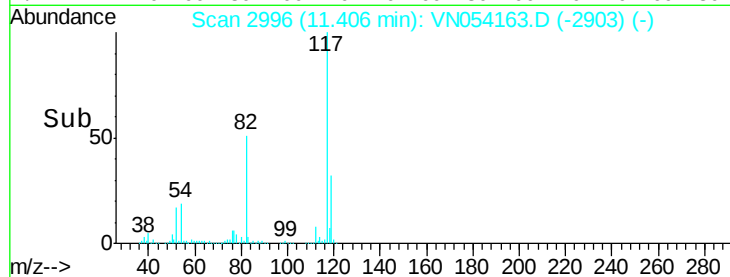
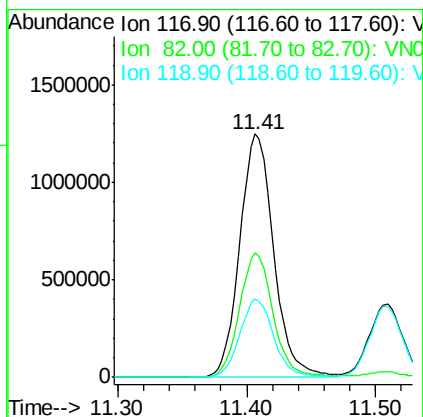
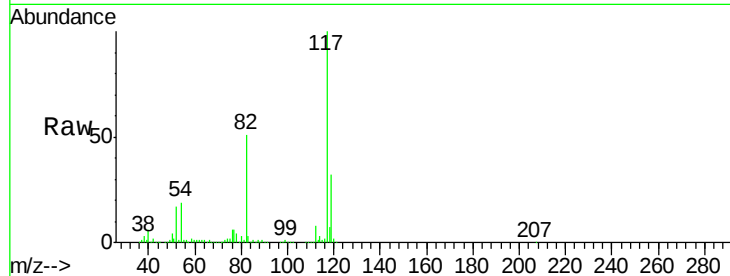




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

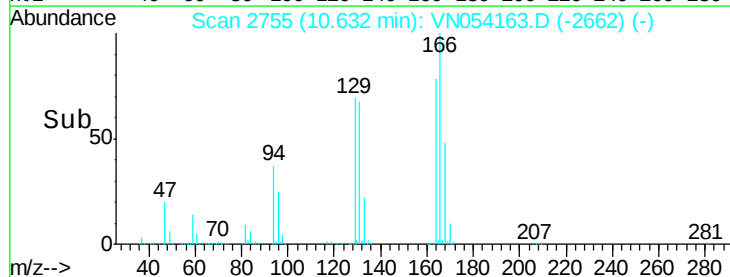
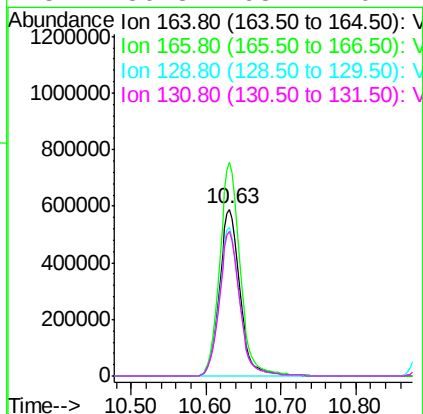
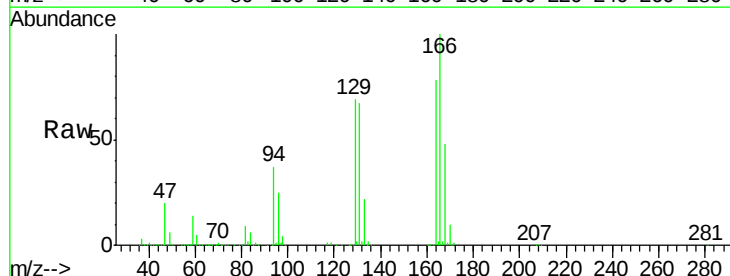
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

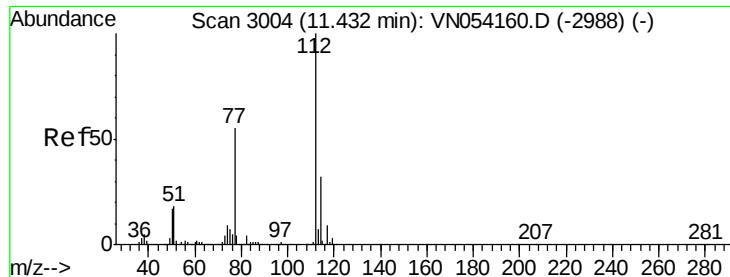
Tot Ion:117 Resp: 2291495
Ion Ratio Lower Upper
117 100
82 51.3 40.0 60.0
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 50.299 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion:164 Resp: 1114385
Ion Ratio Lower Upper
164 100
166 128.1 103.9 155.9
129 88.7 71.1 106.7
131 86.3 68.2 102.4





#65

Chlorobenzene

Concen: 53.214 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

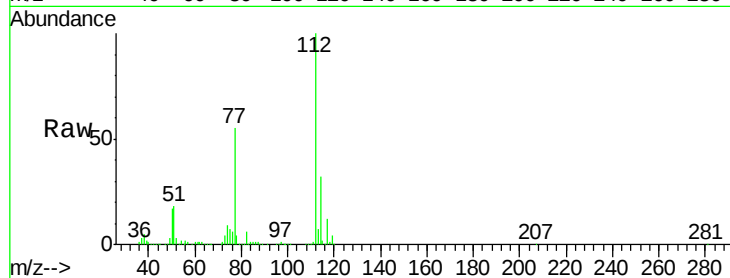
ICVVN031219

Tot Ion:112 Resp: 2677449

Ion Ratio Lower Upper

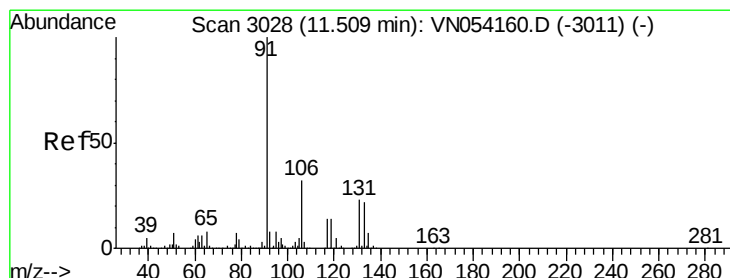
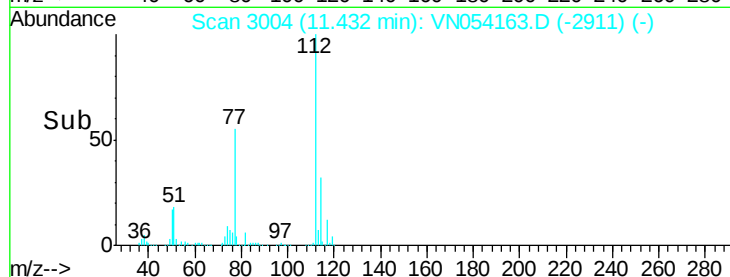
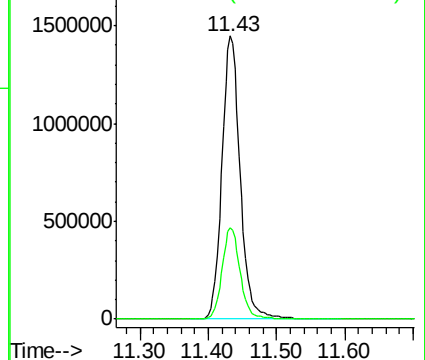
112 100

114 32.5 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.419 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

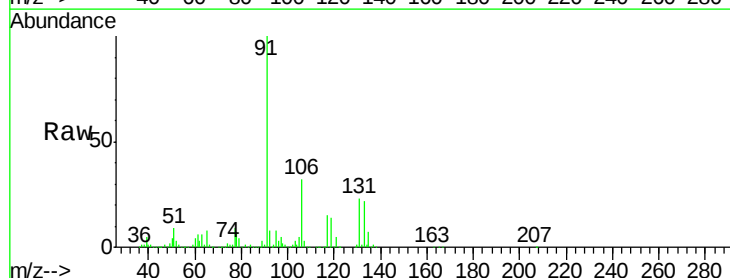
Tgt Ion:131 Resp: 994670

Ion Ratio Lower Upper

131 100

133 96.1 47.6 142.9

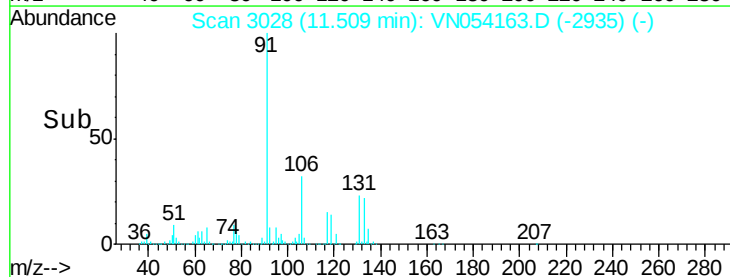
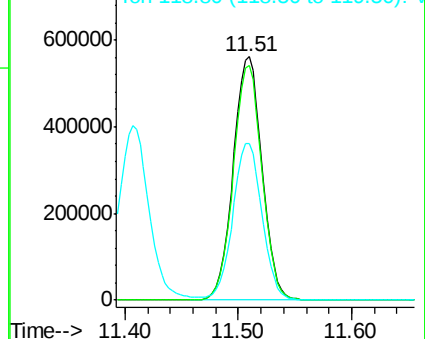
119 65.2 32.4 97.0

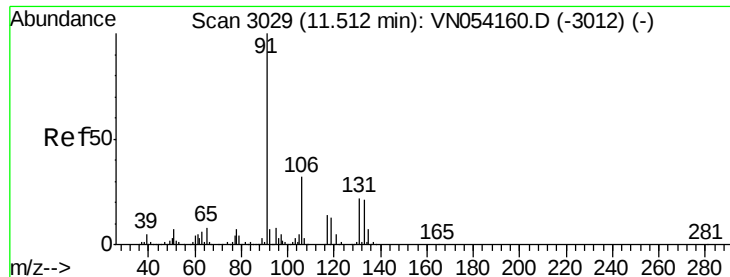


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.176 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

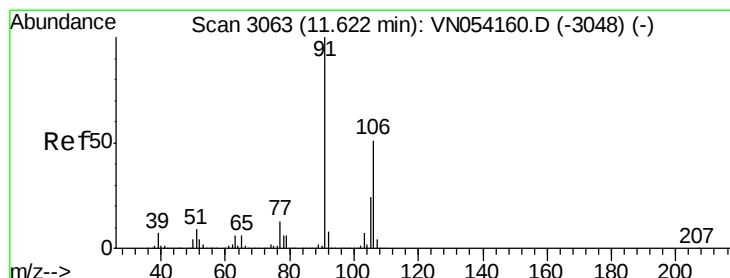
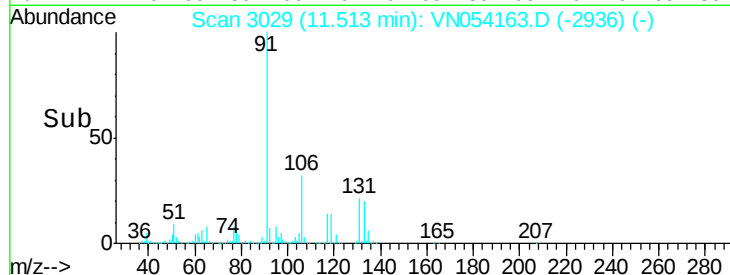
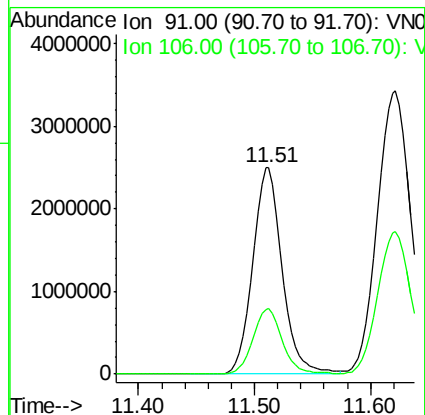
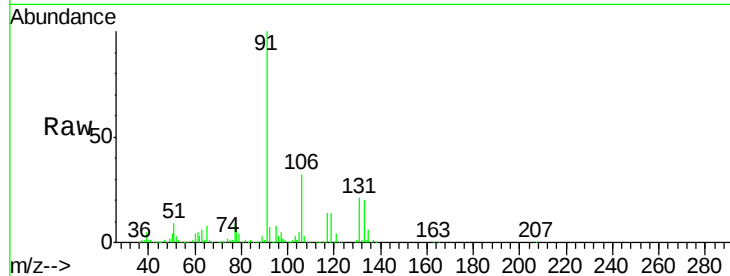
ICVVN031219

Tot Ion: 91 Resp: 4435214

Ion Ratio Lower Upper

91 100

106 31.6 25.5 38.3



#68

m/p-Xylenes

Concen: 108.518 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054163.D

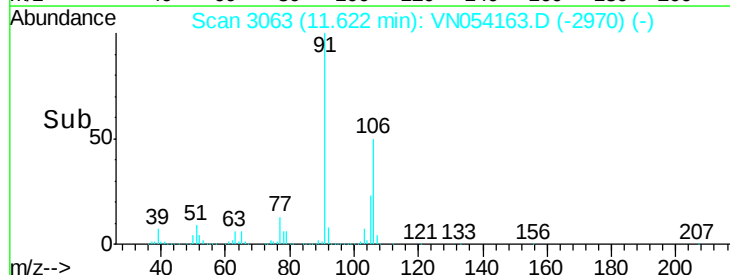
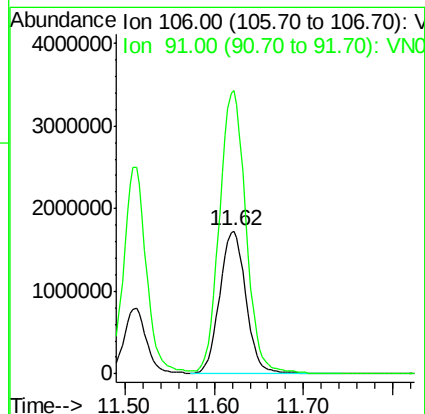
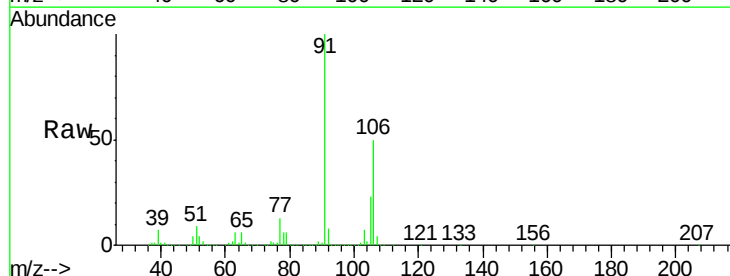
Acq: 12 Mar 2019 13:51

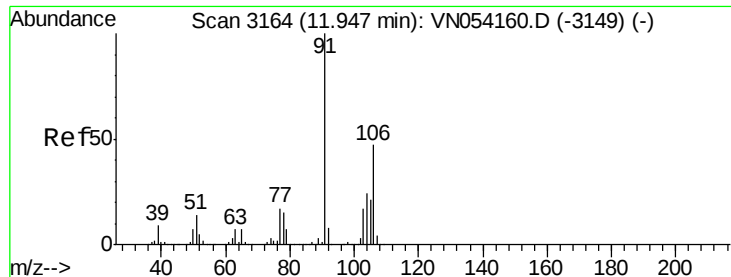
Tgt Ion: 106 Resp: 3537555

Ion Ratio Lower Upper

106 100

91 199.9 159.4 239.2

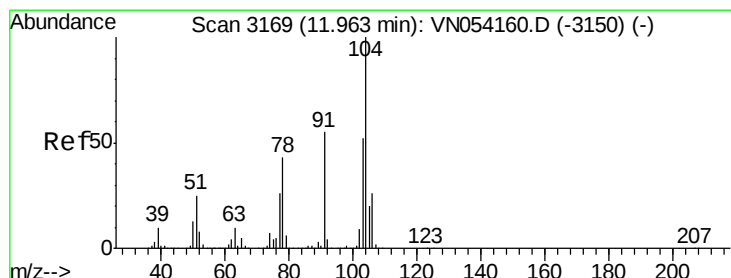
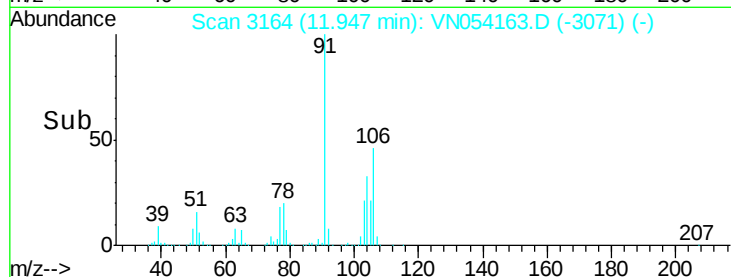
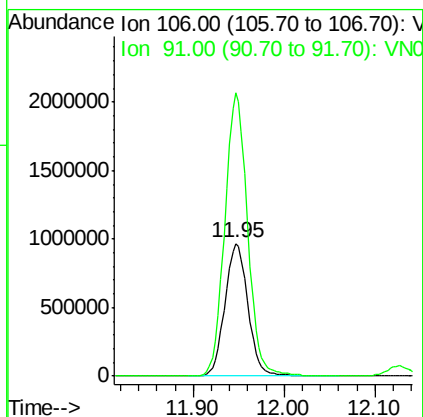
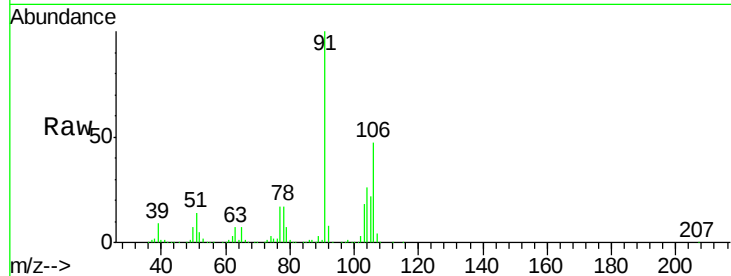




#69
o-Xylene
Concen: 53.536 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

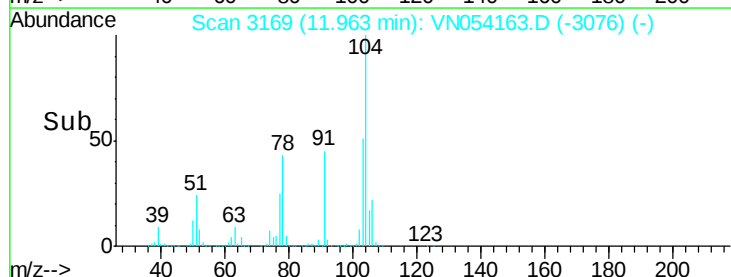
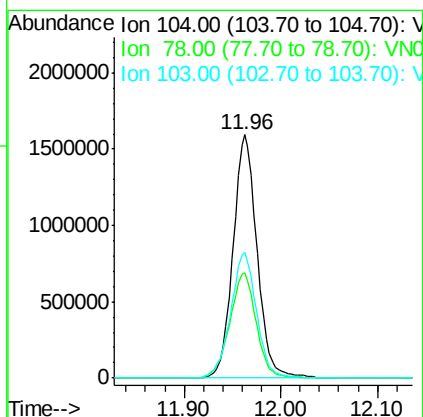
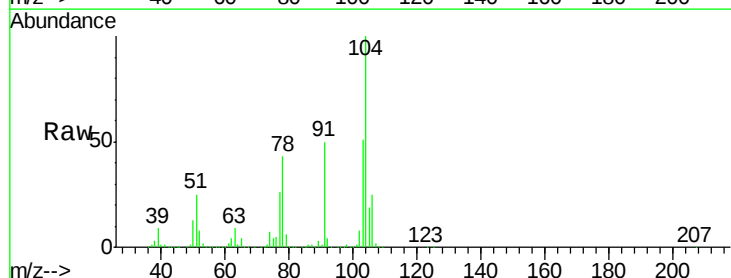
Instrument :
MSVOA_N
ClientSampled :
ICVFN031219

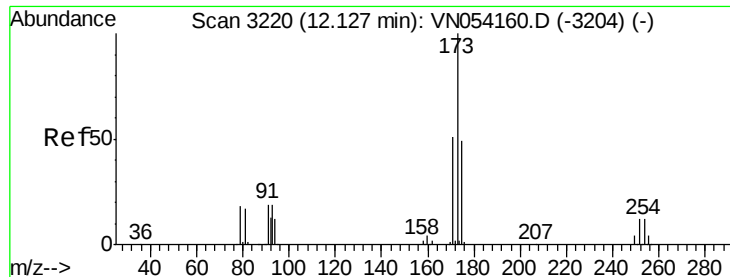
Tot Ion:106 Resp: 1701292
Ion Ratio Lower Upper
106 100
91 210.8 105.7 317.1



#70
Styrene
Concen: 54.994 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion:104 Resp: 2740832
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 56.0 44.4 66.6

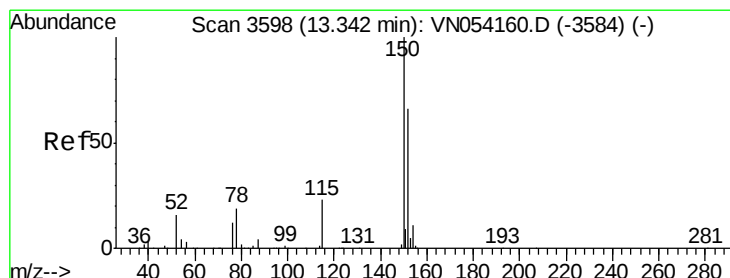
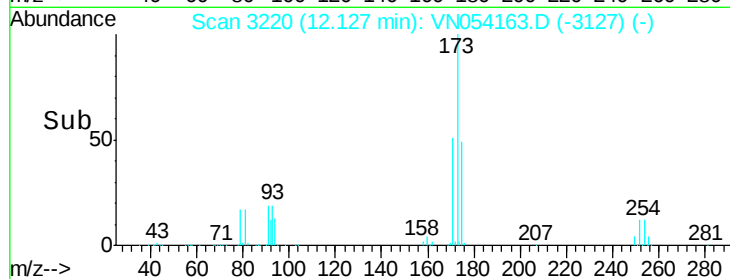
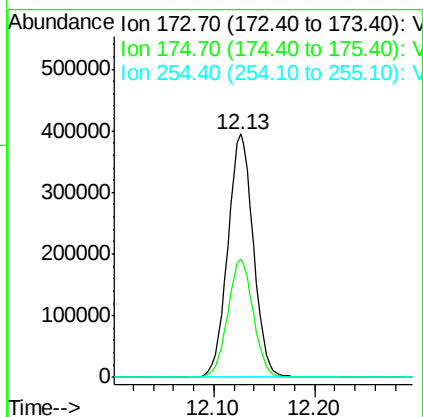
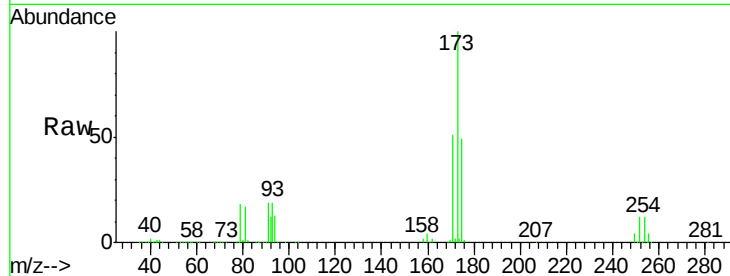




#71
Bromoform
Concen: 49.989 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

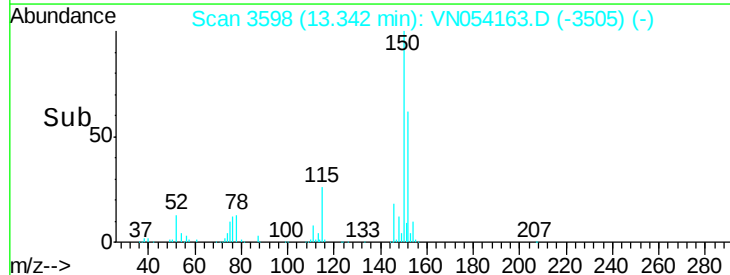
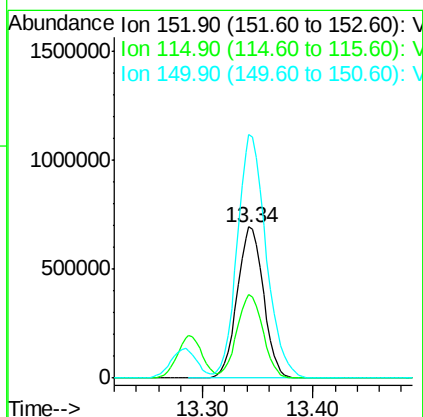
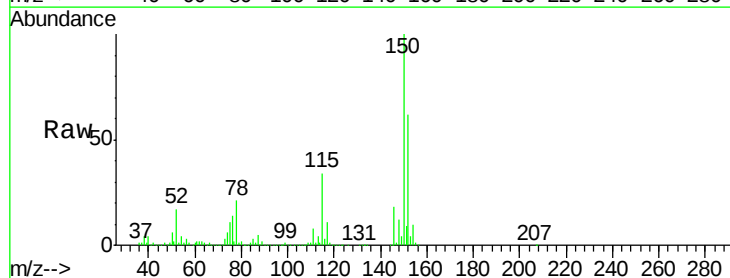
Instrument :
MSVOA_N
ClientSampled :
ICVVN031219

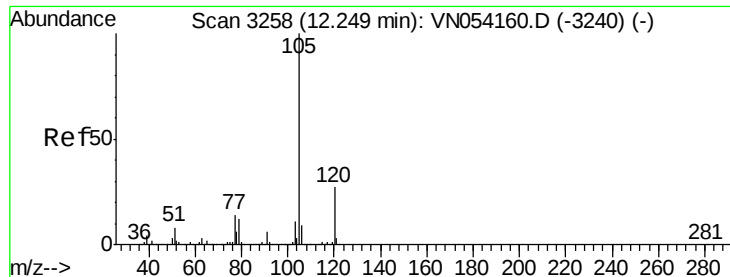
Tot Ion:173 Resp: 696504
Ion Ratio Lower Upper
173 100
175 48.4 24.4 73.2
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion:152 Resp: 1147023
Ion Ratio Lower Upper
152 100
115 55.0 27.2 81.6
150 176.7 0.0 349.2





#73

Isopropylbenzene

Concen: 49.504 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

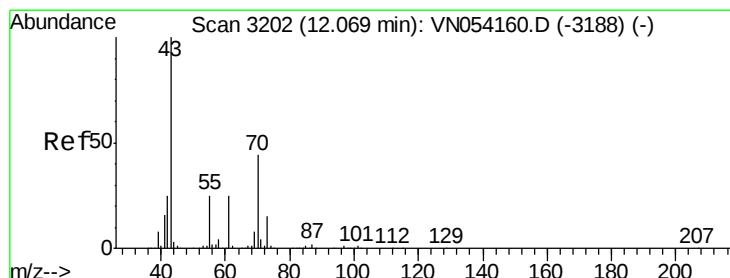
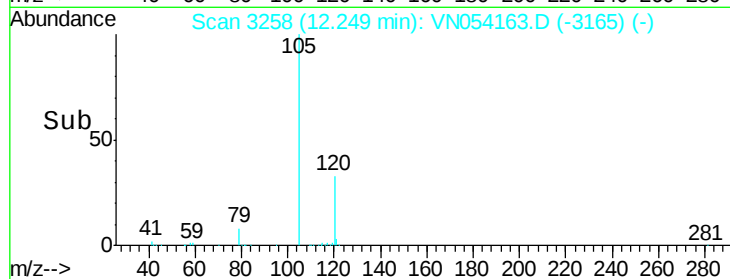
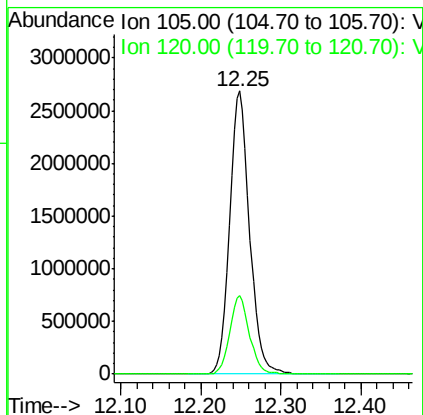
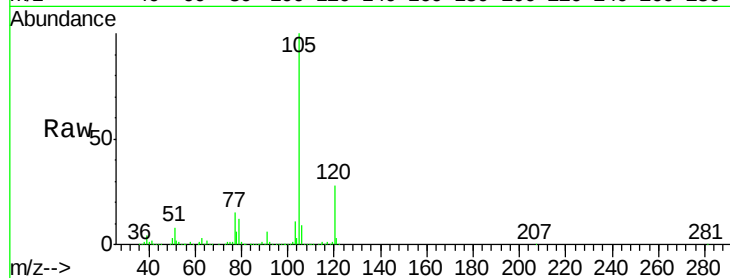
ICVVN031219

Tot Ion:105 Resp: 4542893

Ion Ratio Lower Upper

105 100

120 27.4 13.8 41.3



#74

N-ethyl acetate

Concen: 54.608 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Tgt Ion: 43 Resp: 1112351

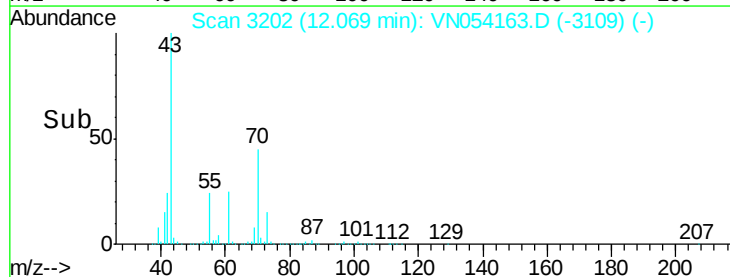
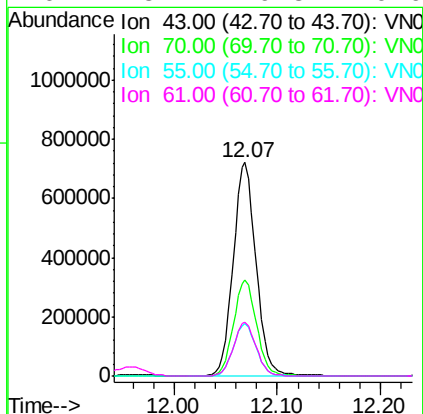
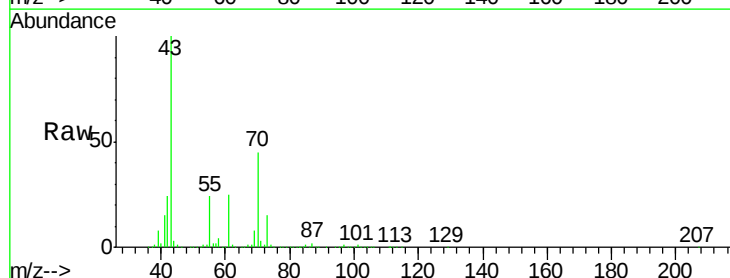
Ion Ratio Lower Upper

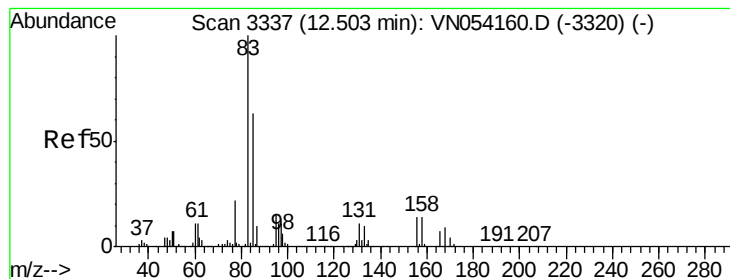
43 100

70 45.4 35.4 53.0

55 24.6 19.8 29.6

61 25.1 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.026 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

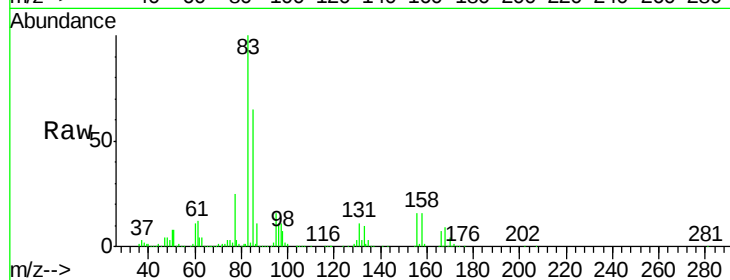
Tot Ion: 83 Resp: 978112

Ion Ratio Lower Upper

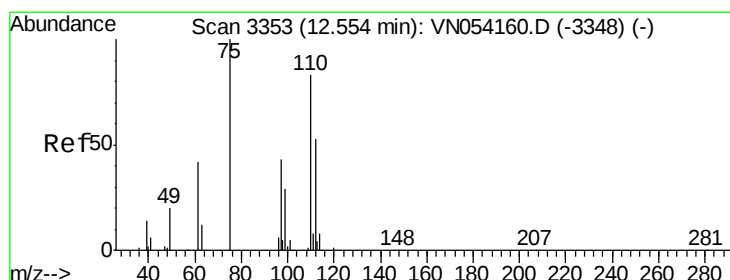
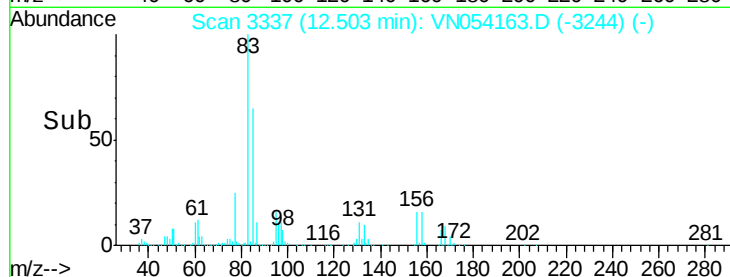
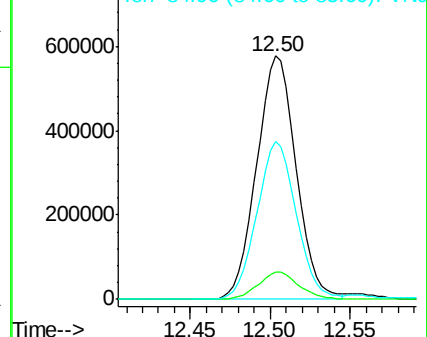
83 100

131 11.6 5.8 17.4

85 64.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 74.205 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054163.D

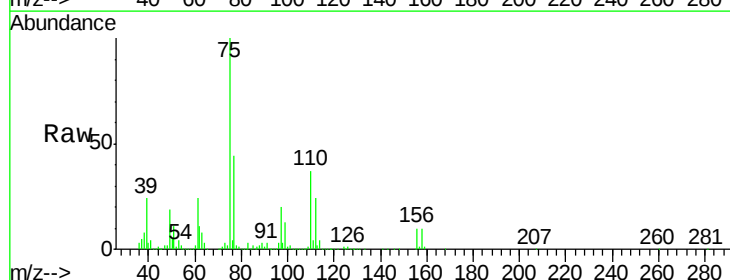
Acq: 12 Mar 2019 13:51

Tgt Ion: 75 Resp: 1251652

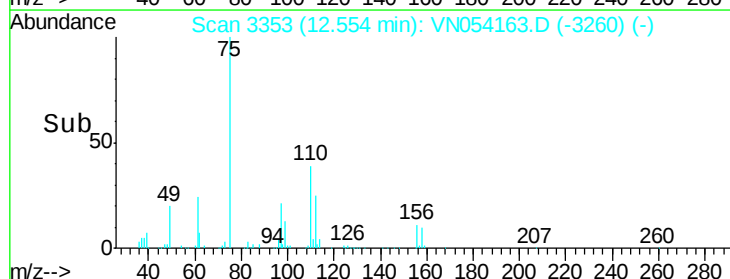
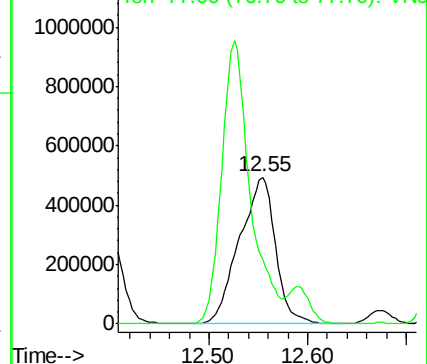
Ion Ratio Lower Upper

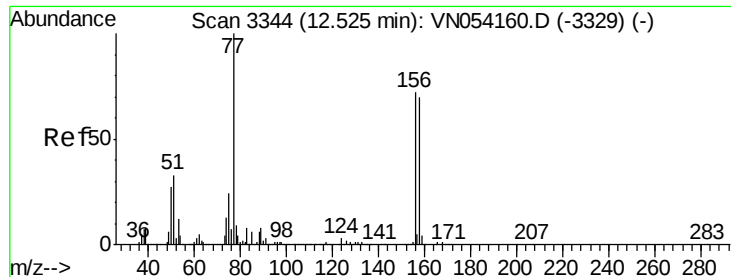
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 49.648 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

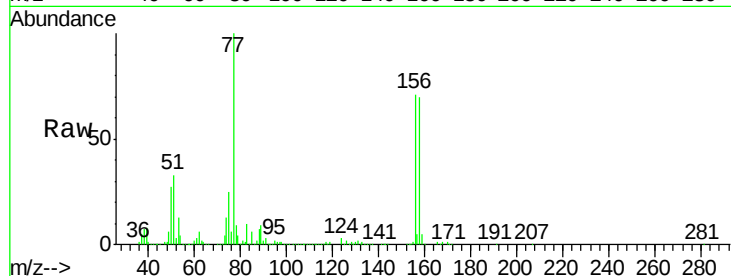
Tot Ion:156 Resp: 1205636

Ion Ratio Lower Upper

156 100

77 161.6 81.5 244.4

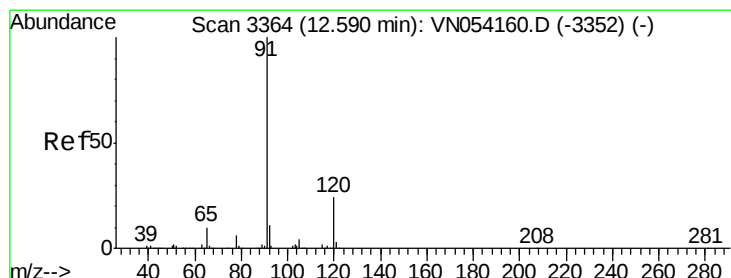
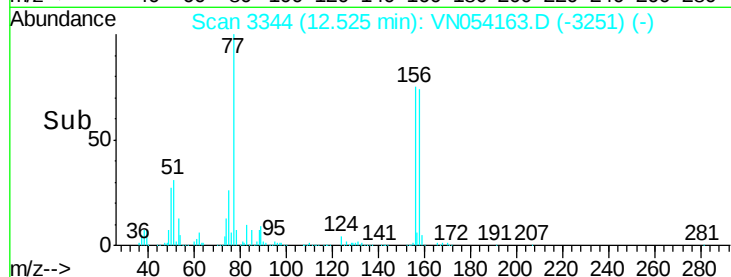
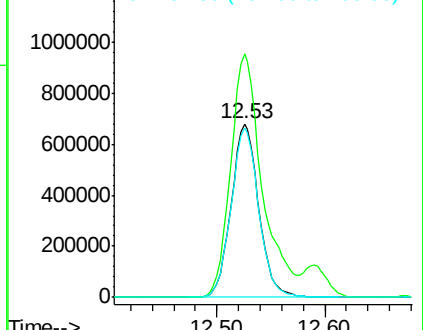
158 98.2 49.0 147.2



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: 52.075 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054163.D

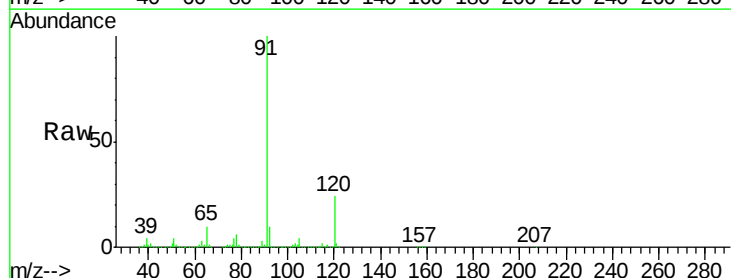
Acq: 12 Mar 2019 13:51

Tgt Ion: 91 Resp: 5185410

Ion Ratio Lower Upper

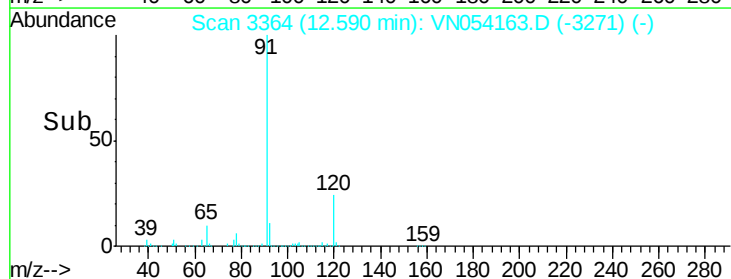
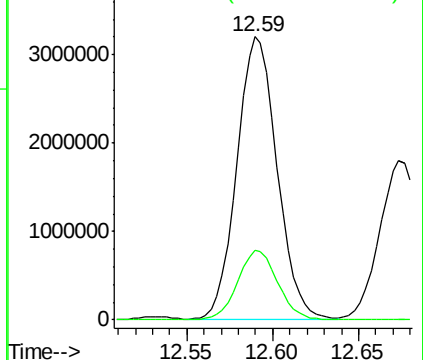
91 100

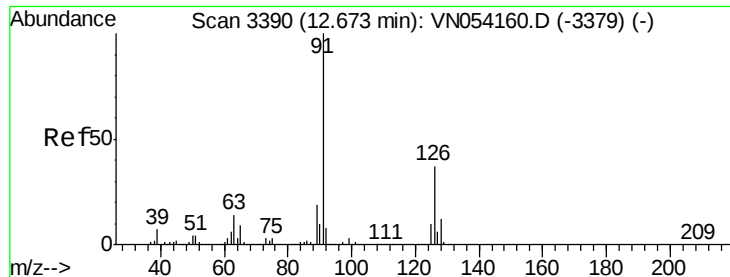
120 24.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.140 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

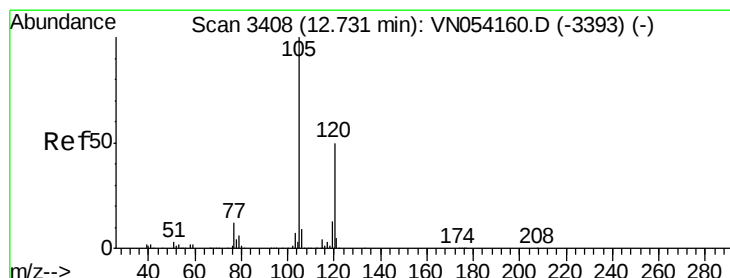
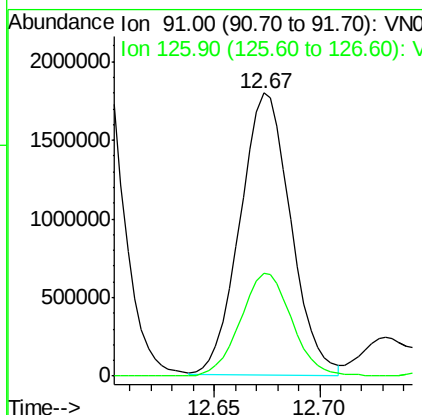
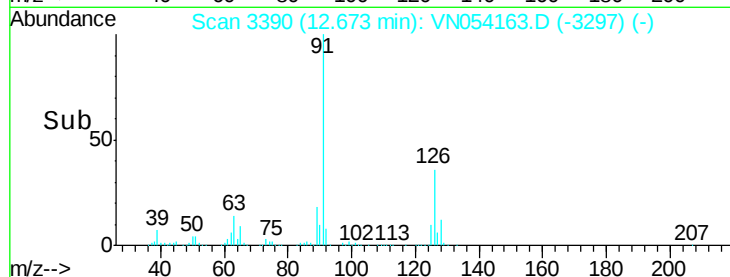
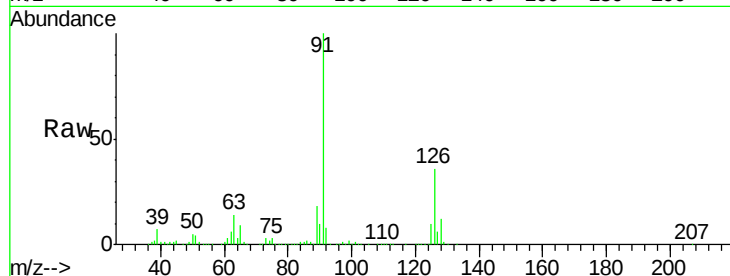
ICVVN031219

Tot Ion: 91 Resp: 3001976

Ion Ratio Lower Upper

91 100

126 37.0 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 50.768 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054163.D

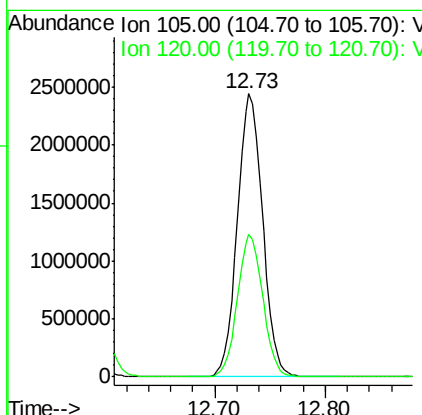
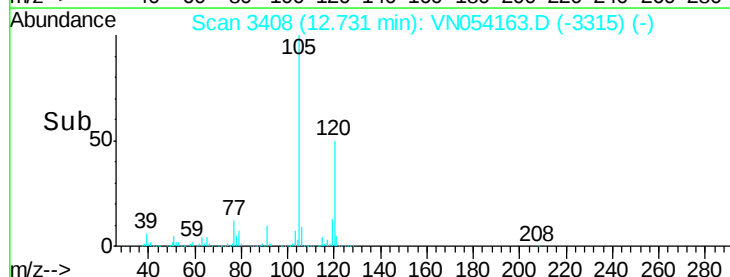
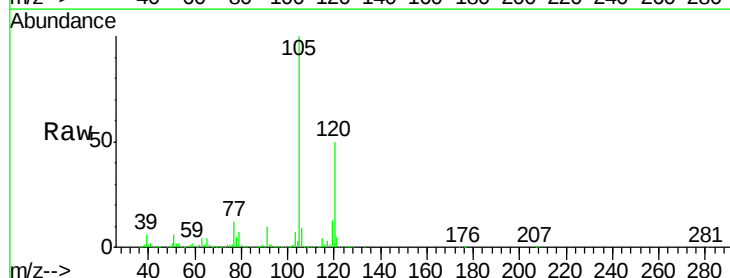
Acq: 12 Mar 2019 13:51

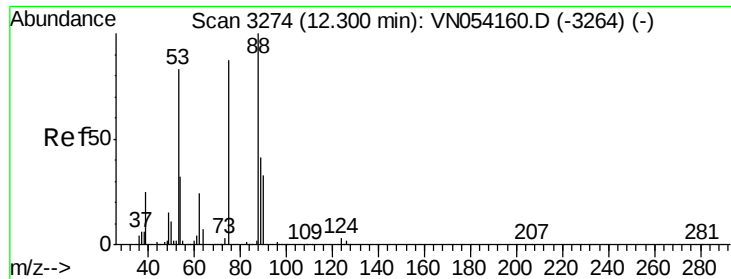
Tgt Ion: 105 Resp: 3875216

Ion Ratio Lower Upper

105 100

120 50.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.870 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

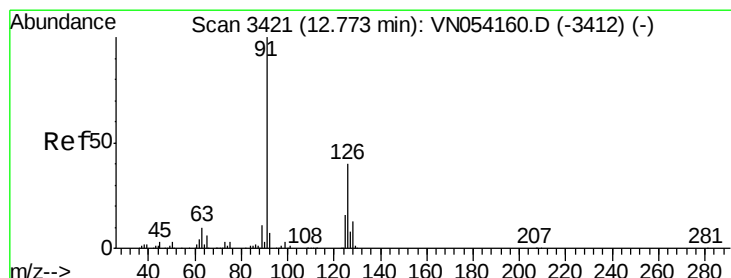
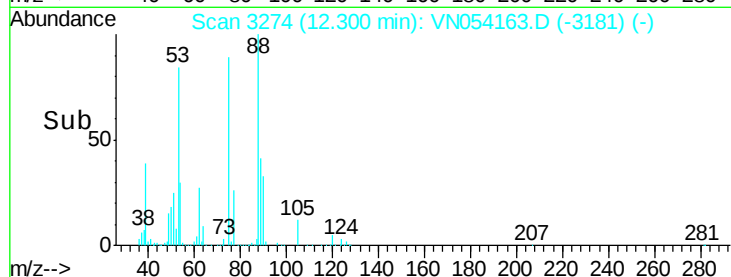
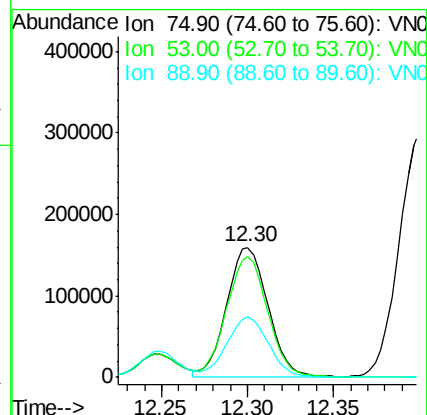
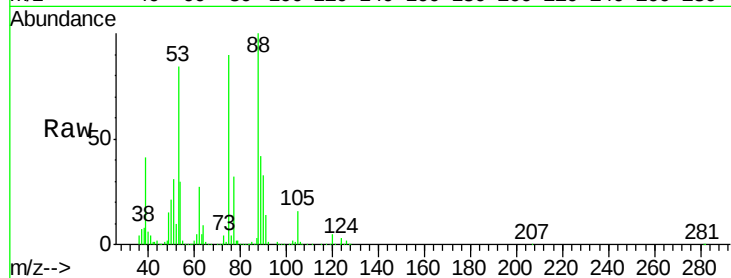
Tot Ion: 75 Resp: 265808

Ion Ratio Lower Upper

75 100

53 94.1 76.2 114.2

89 47.1 39.2 58.8



#82

4-Chlorotoluene

Concen: 51.764 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054163.D

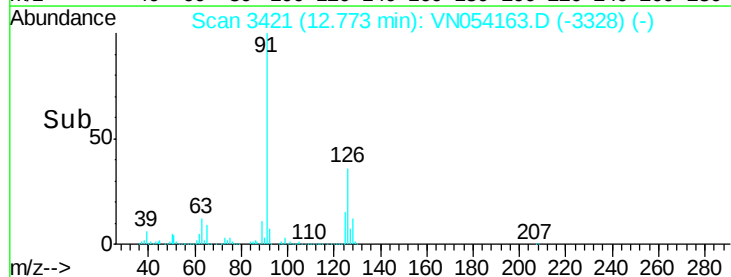
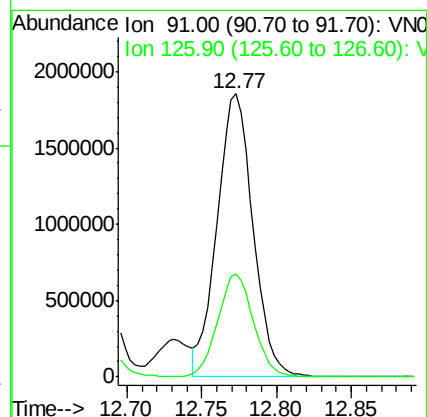
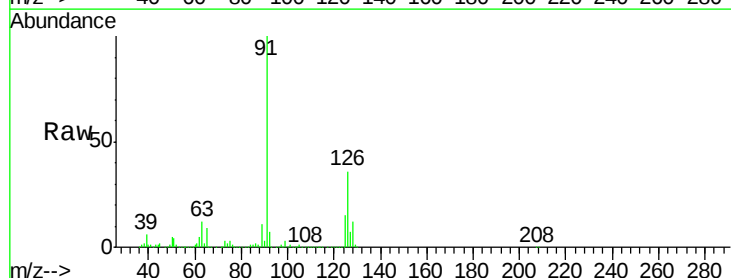
Acq: 12 Mar 2019 13:51

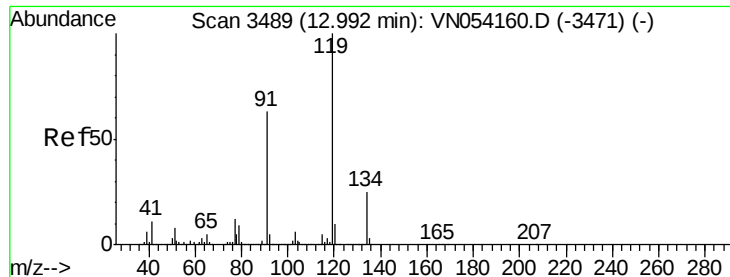
Tgt Ion: 91 Resp: 3094662

Ion Ratio Lower Upper

91 100

126 36.2 18.1 54.1





#83

tert-Butylbenzene

Concen: 50.032 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

ICVVN031219

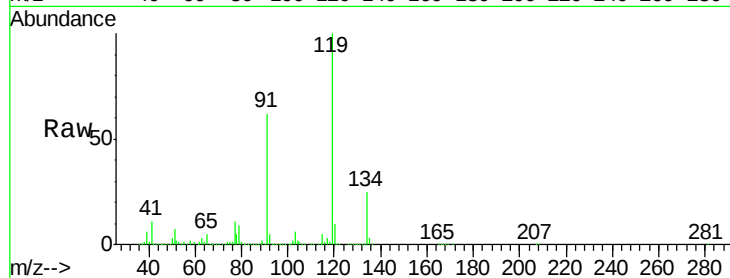
Tot Ion:119 Resp: 3515241

Ion Ratio Lower Upper

119 100

91 60.8 30.9 92.8

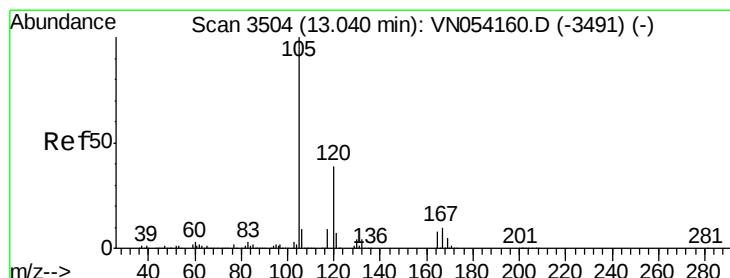
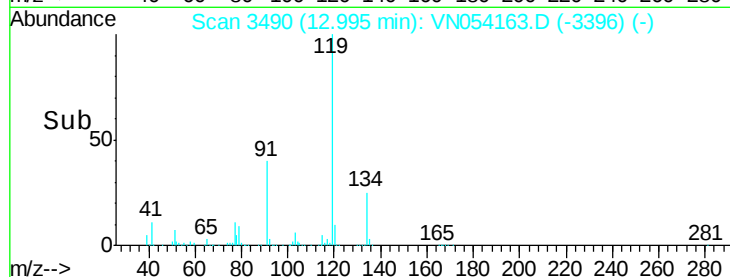
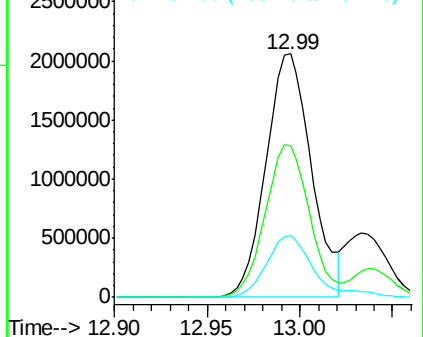
134 26.5 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.536 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054163.D

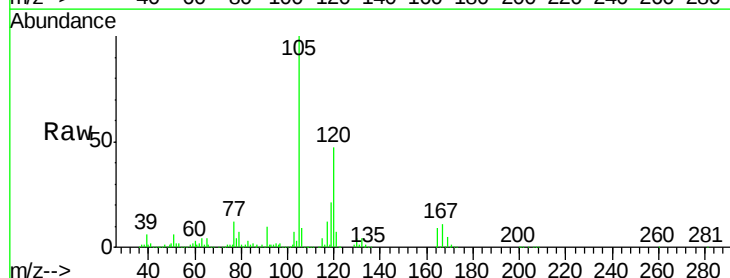
Acq: 12 Mar 2019 13:51

Tgt Ion:105 Resp: 3934227

Ion Ratio Lower Upper

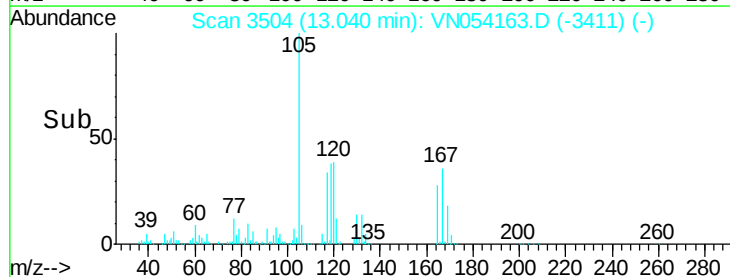
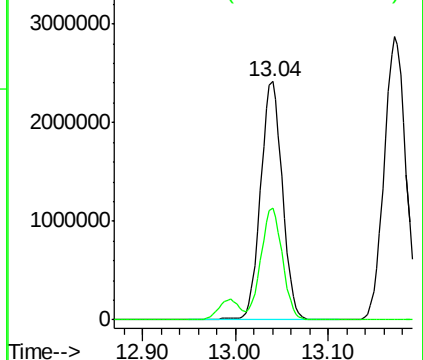
105 100

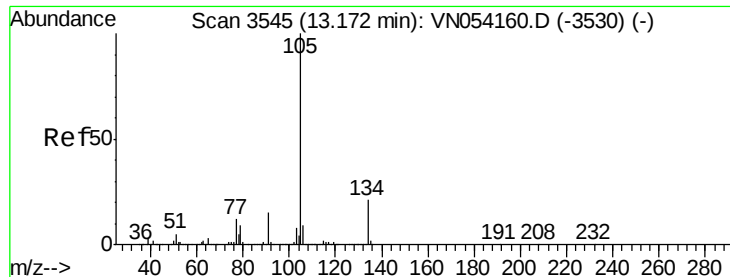
120 46.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.101 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

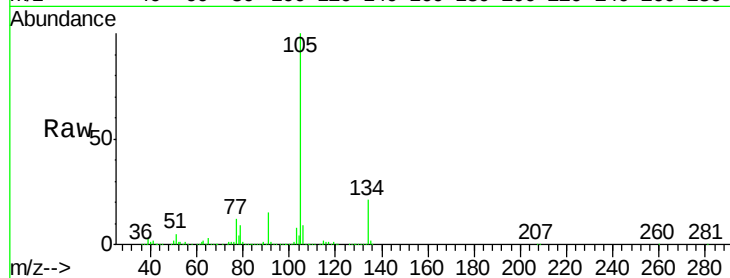
ICVVN031219

Tot Ion:105 Resp: 4656174

Ion Ratio Lower Upper

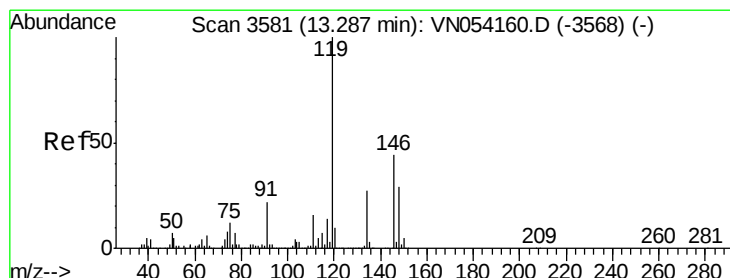
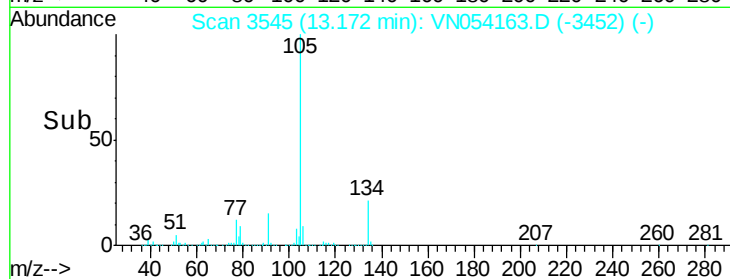
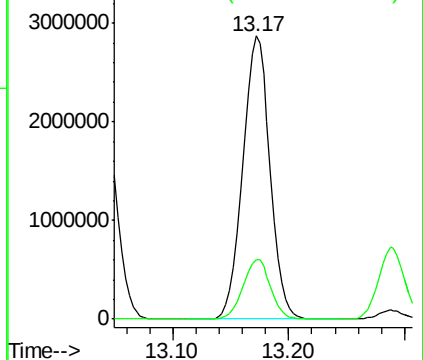
105 100

134 21.3 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: 52.439 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

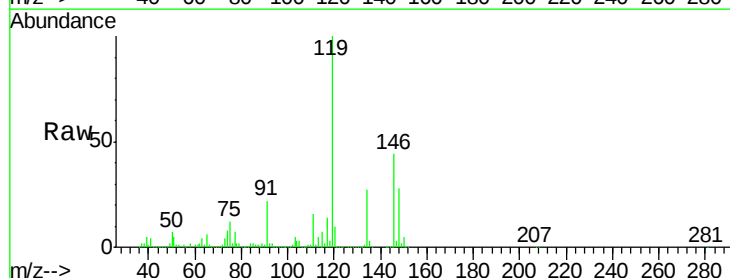
Tgt Ion:119 Resp: 4191782

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

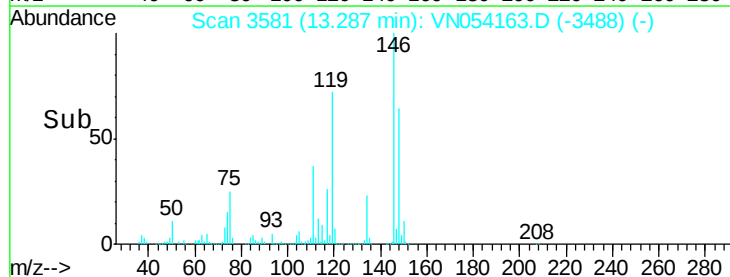
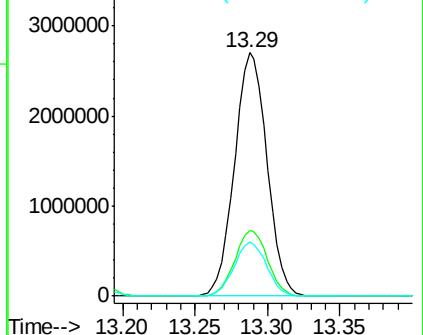
91 22.1 11.1 33.3

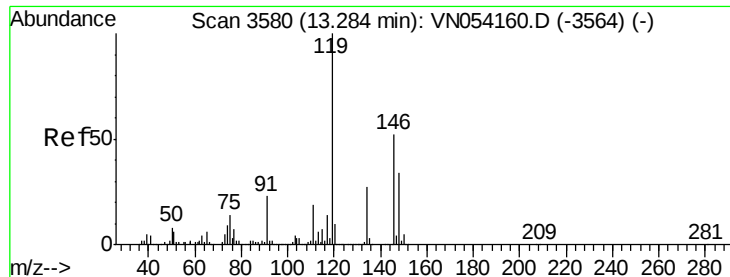


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 53.379 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

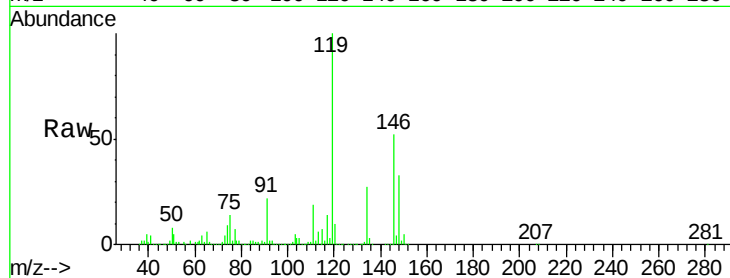
Tot Ion:146 Resp: 2184176

Ion Ratio Lower Upper

146 100

111 37.1 18.8 56.3

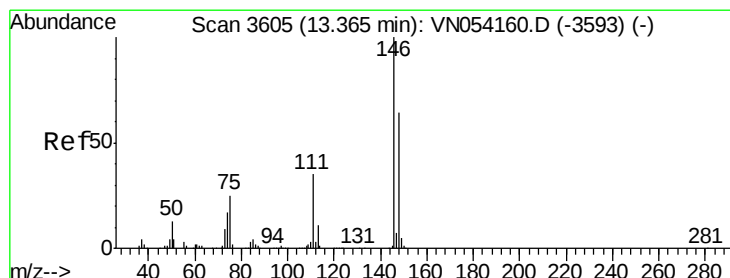
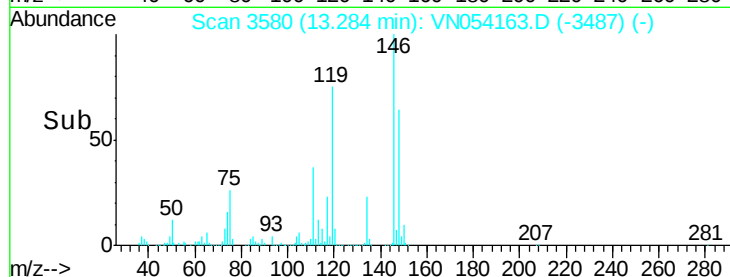
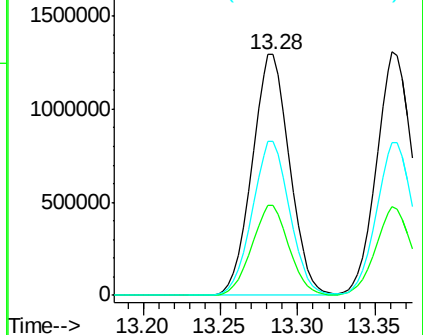
148 63.9 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 53.293 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

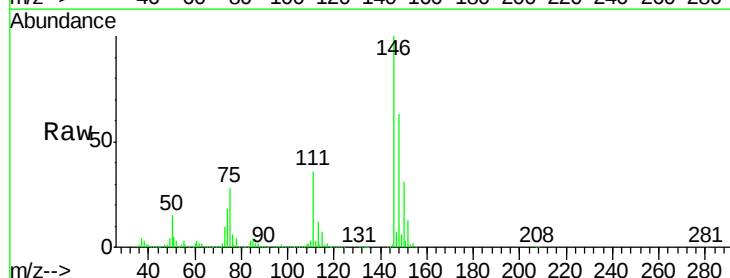
Tgt Ion:146 Resp: 2142217

Ion Ratio Lower Upper

146 100

111 36.2 18.1 54.1

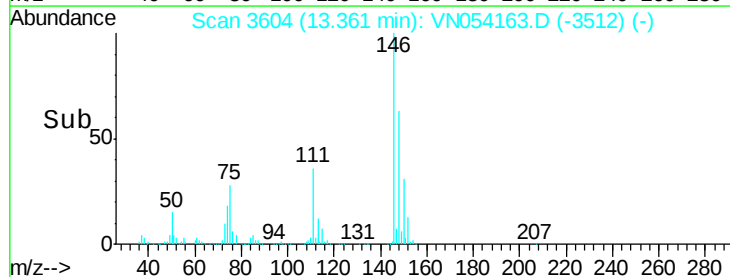
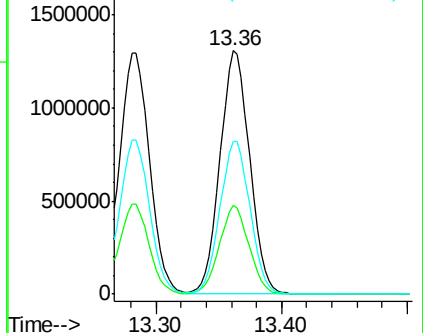
148 63.8 32.0 96.0

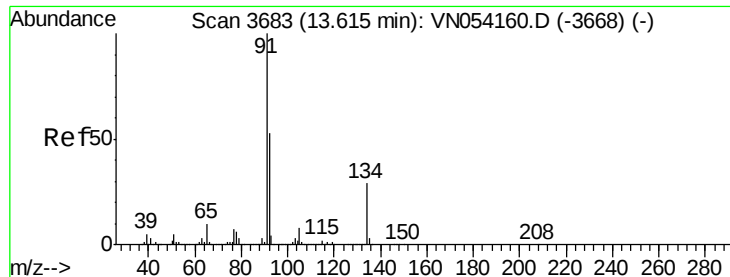


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 57.729 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

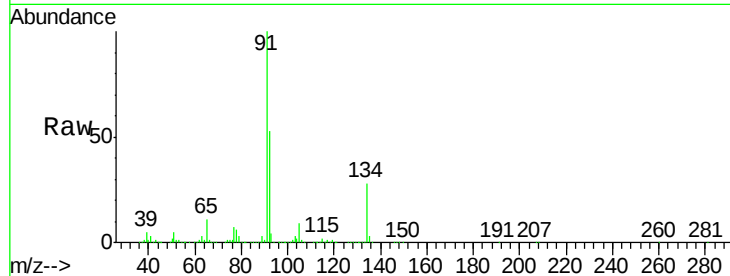
Tot Ion: 91 Resp: 3506281

Ion Ratio Lower Upper

91 100

92 52.7 26.2 78.6

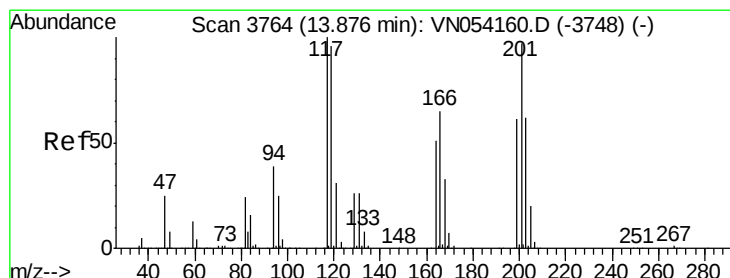
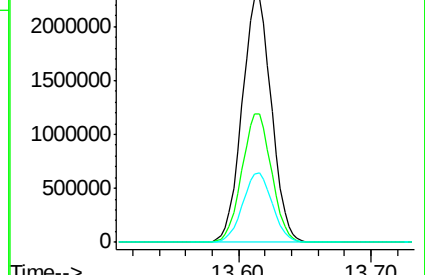
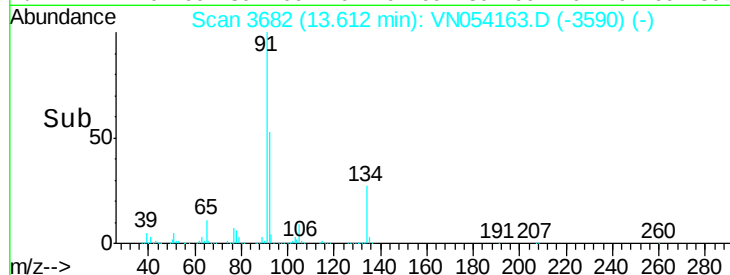
134 28.4 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054163.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN054163.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN054163.D (-3590) (-)



#90

Hexachloroethane

Concen: 52.580 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054163.D

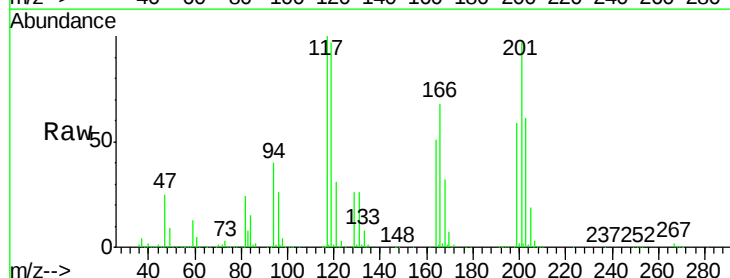
Acq: 12 Mar 2019 13:51

Tgt Ion: 117 Resp: 695963

Ion Ratio Lower Upper

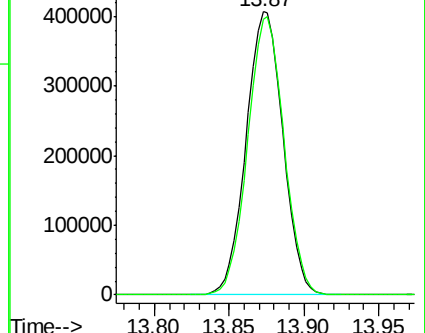
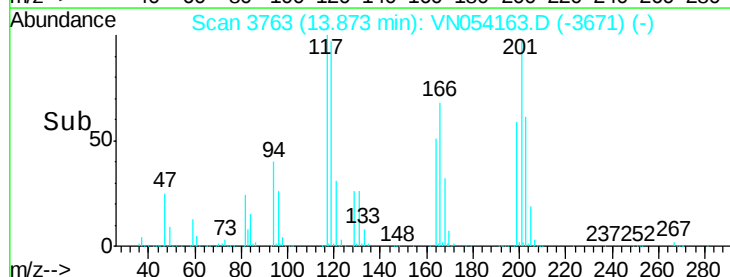
117 100

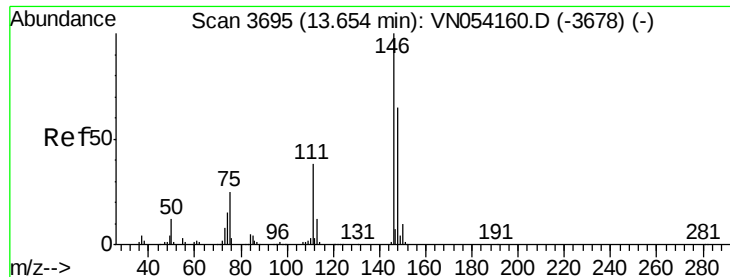
201 96.8 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054163.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN054163.D (-3671) (-)





#91

1,2-Dichlorobenzene

Concen: 52.288 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

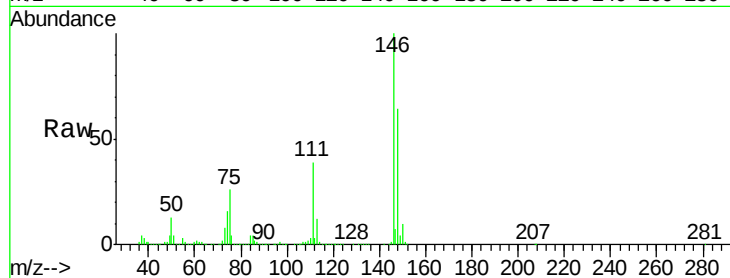
Tot Ion:146 Resp: 2091600

Ion Ratio Lower Upper

146 100

111 38.4 19.1 57.3

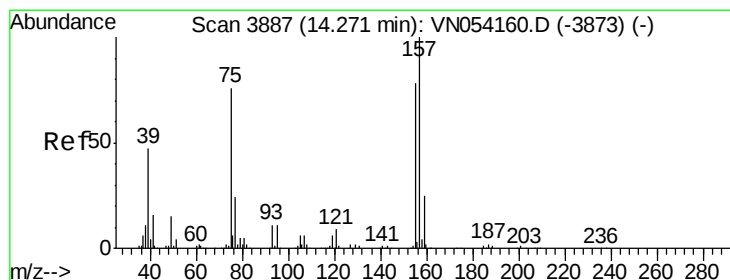
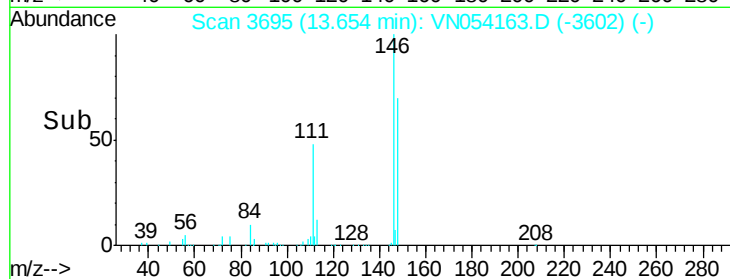
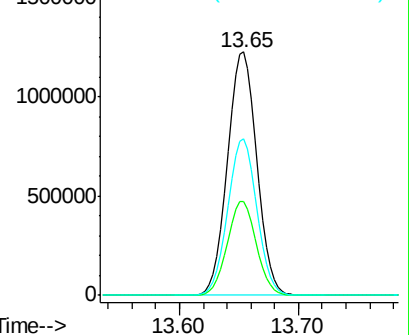
148 63.8 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.298 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

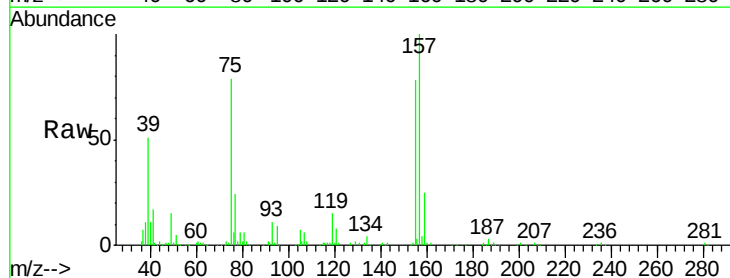
Tgt Ion: 75 Resp: 158230

Ion Ratio Lower Upper

75 100

155 100.2 50.1 150.3

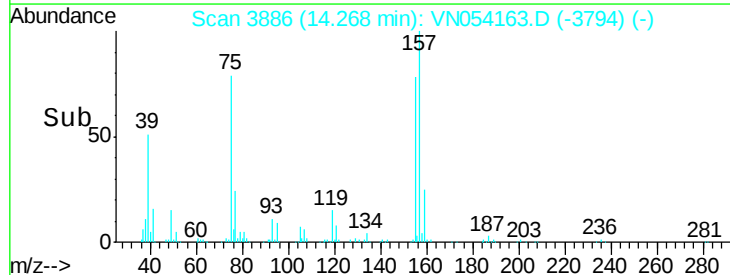
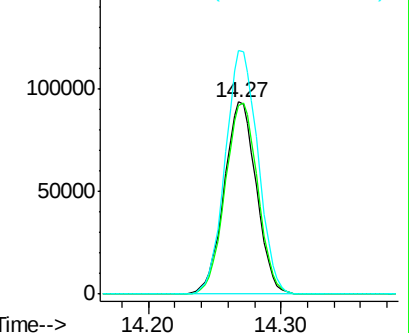
157 128.2 63.1 189.3

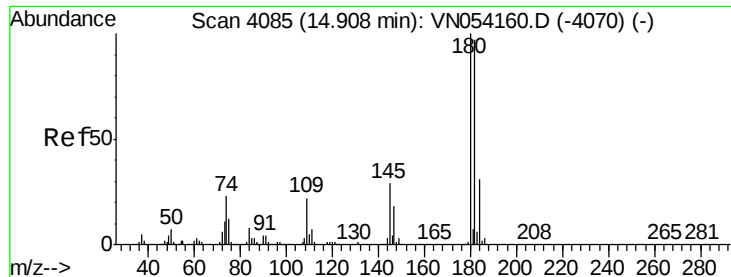


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

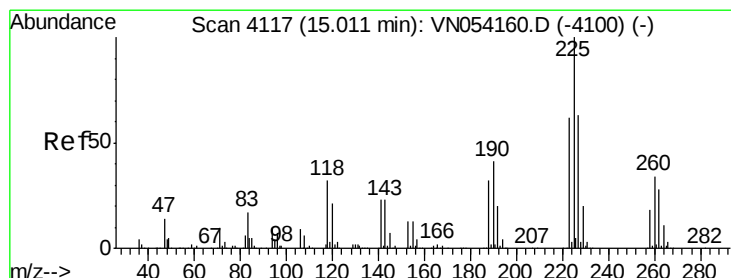
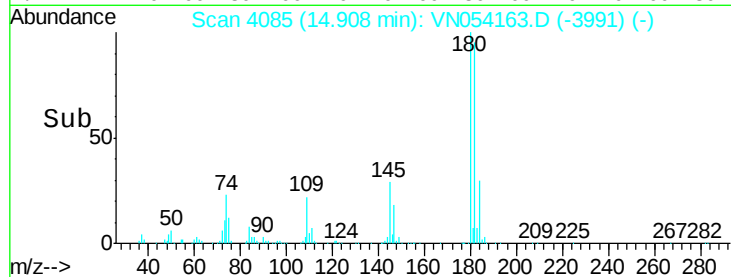
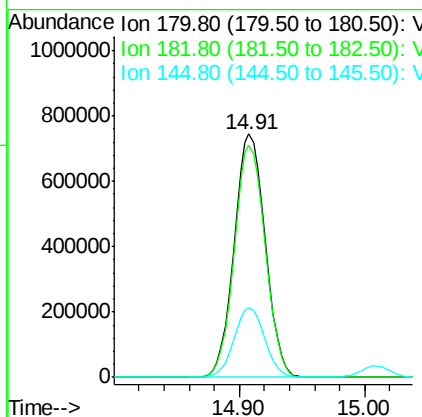
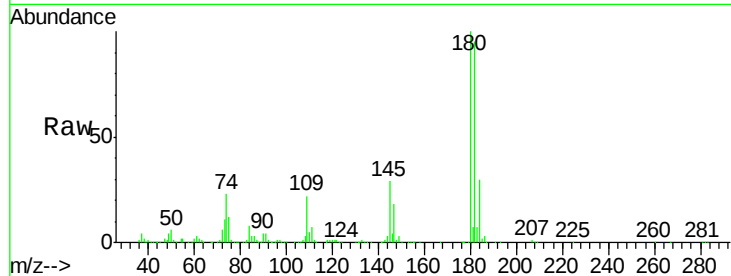




#93
 1,2,4-Trichlorobenzene
 Concen: 52.683 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

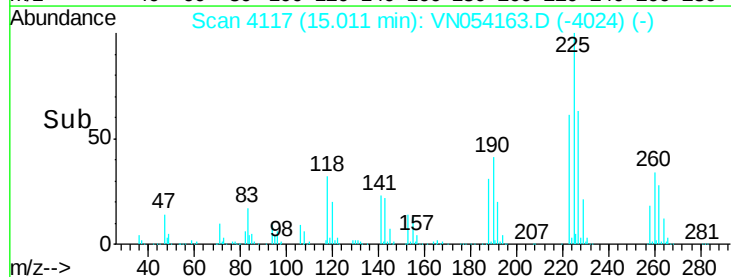
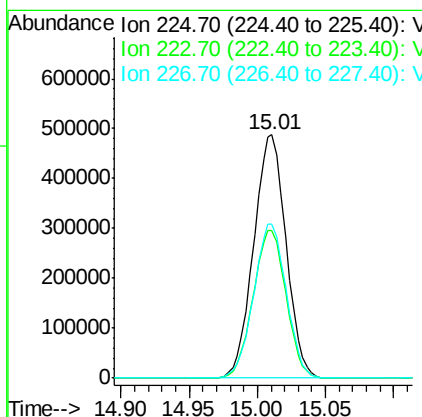
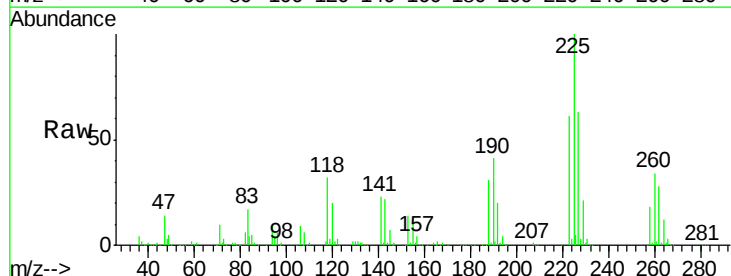
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

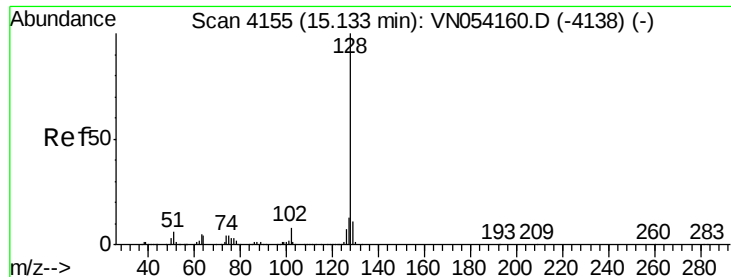
Tot Ion:180 Resp: 1275741
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.0 144.2
 145 28.4 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 52.656 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion:225 Resp: 802297
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.1 93.5
 227 63.8 31.9 95.9

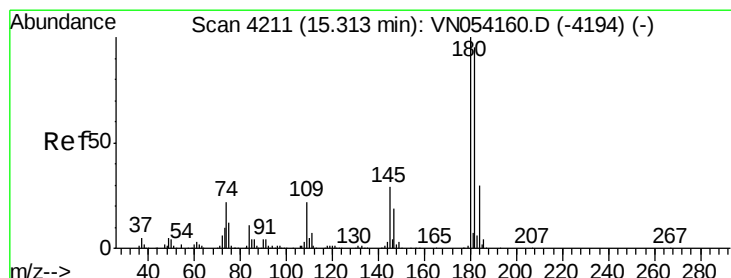
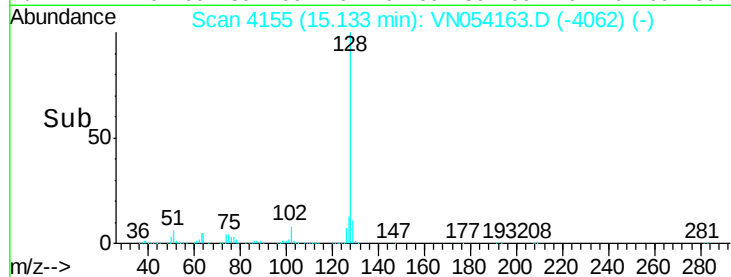
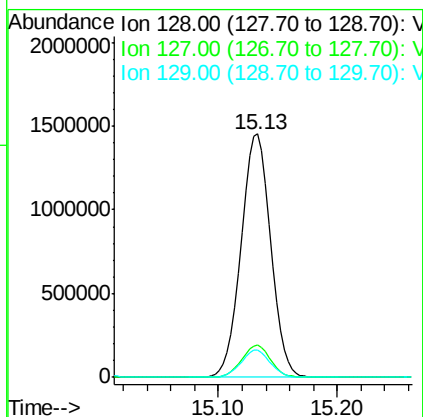
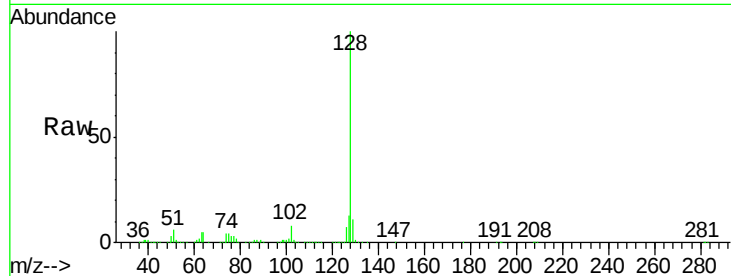




#95
Naphthalene
Concen: 49.763 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tot Ion:128 Resp: 2502640
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 57.379 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion:180 Resp: 1219520
Ion Ratio Lower Upper
180 100
182 96.3 47.5 142.6
145 29.7 14.8 44.3

