

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054141.D
 Acq On : 11 Mar 2019 15:09
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031119

Quant Time: Mar 12 03:21:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031119W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 12 00:55:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1719401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2491687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2188785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1068495	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	892498	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	7.59	113	805380	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.09	98	2978600	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	1044185	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	638034	45.031	ug/l	98
3) Chloromethane	2.06	50	727212	43.128	ug/l	99
4) Vinyl Chloride	2.19	62	840620	44.233	ug/l	99
5) Bromomethane	2.57	94	566282	43.466	ug/l	98
6) Chloroethane	2.71	64	524471	44.387	ug/l	99
7) Trichlorofluoromethane	3.02	101	1191178	45.485	ug/l	99
8) Diethyl Ether	3.41	74	466798	44.293	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.75	101	776635	46.055	ug/l	95
10) Methyl Iodide	3.94	142	1009785	46.860	ug/l	97
11) Tert butyl alcohol	4.82	59	287304	226.314	ug/l	99
12) 1,1-Dichloroethene	3.73	96	737746	45.281	ug/l	92
13) Acrolein	3.61	56	254162	246.789	ug/l	98
14) Allyl chloride	4.32	41	1010402	42.785	ug/l	86
15) Acrylonitrile	5.00	53	1162055	226.554	ug/l	99
16) Acetone	3.82	43	1135025	239.392	ug/l	95
17) Carbon Disulfide	4.04	76	1831478	43.554	ug/l	99
18) Methyl Acetate	4.33	43	516242	43.676	ug/l	93
19) Methyl tert-butyl Ether	5.06	73	1981409	44.732	ug/l	96
20) Methylene Chloride	4.55	84	718380	43.440	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	719652	44.979	ug/l	93
22) Diisopropyl ether	5.96	45	2015301	46.206	ug/l #	97
23) Vinyl Acetate	5.90	43	7571759	229.919	ug/l	95
24) 1,1-Dichloroethane	5.85	63	1270296	44.927	ug/l	98
25) 2-Butanone	6.85	43	1402441	228.630	ug/l	94
26) 2,2-Dichloropropane	6.82	77	1192330	45.664	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	841279	45.968	ug/l	94
28) Bromochloromethane	7.19	49	594385	48.339	ug/l #	74
29) Tetrahydrofuran	7.22	42	866266	219.798	ug/l	89
30) Chloroform	7.37	83	1350383	45.101	ug/l	100
31) Cyclohexane	7.65	56	1147626	48.152	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	1226049	45.238	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1015626	46.834	ug/l	98
37) Ethyl Acetate	6.94	43	611961	43.517	ug/l	97
38) Carbon Tetrachloride	7.77	117	1101784	45.832	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1286116	48.172	ug/l	94
40) Benzene	8.04	78	2934526	47.092	ug/l	99
41) Methacrylonitrile	7.18	41	359885	49.153	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	1001354	46.609	ug/l	100
43) Isopropyl Acetate	8.17	43	1097283	46.940	ug/l #	88
44) Trichloroethene	8.83	130	921475	47.916	ug/l	98
45) 1,2-Dichloropropane	9.12	63	746962	46.909	ug/l	98
46) Dibromomethane	9.21	93	501292	46.404	ug/l	93
47) Bromodichloromethane	9.40	83	1052674	47.009	ug/l	98
48) Methyl methacrylate	9.20	41	561226	44.657	ug/l	96
49) 1,4-Dioxane	9.20	88	149894	919.315	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	2877029	229.458	ug/l	97
52) Toluene	10.16	92	1892123	47.423	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1089679	47.791	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	1228913	47.993	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	690375	45.897	ug/l	98
56) Ethyl methacrylate	10.43	69	852697	46.314	ug/l	94
57) 1,3-Dichloropropane	10.71	76	1146558	47.091	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1664438	244.854	ug/l	90
59) 2-Hexanone	10.75	43	1899041	228.221	ug/l	97
60) Dibromochloromethane	10.90	129	835211	47.935	ug/l	100
61) 1,2-Dibromoethane	11.01	107	710441	47.000	ug/l	99
64) Tetrachloroethene	10.63	164	939369	46.611	ug/l	97
65) Chlorobenzene	11.43	112	2193887	47.306	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	830469	47.600	ug/l	99
67) Ethyl Benzene	11.51	91	3629889	47.086	ug/l	98
68) m/p-Xylenes	11.62	106	2867341	95.112	ug/l	98
69) o-Xylene	11.95	106	1402499	47.395	ug/l	98
70) Styrene	11.96	104	2232008	48.691	ug/l	99
71) Bromoform	12.13	173	588712	48.690	ug/l #	99
73) Isopropylbenzene	12.25	105	3765275	44.304	ug/l	98
74) N-amyl acetate	12.07	43	891112	46.035	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	810847	44.090	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1038833	68.847	ug/l #	100
77) Bromobenzene	12.53	156	982251	44.403	ug/l	89
78) n-propylbenzene	12.59	91	4224226	46.450	ug/l	95
79) 2-Chlorotoluene	12.67	91	2464037	44.263	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	3201741	45.446	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	222597	43.914	ug/l	97
82) 4-Chlorotoluene	12.77	91	2517024	46.376	ug/l	97
83) tert-Butylbenzene	12.99	119	2887959	44.386	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3223156	46.723	ug/l	98
85) sec-Butylbenzene	13.17	105	3869894	45.903	ug/l	97
86) p-Isopropyltoluene	13.29	119	3443074	46.803	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1750372	47.351	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1703118	46.660	ug/l	99
89) n-Butylbenzene	13.62	91	2819012	49.965	ug/l	98
90) Hexachloroethane	13.87	117	589794	44.899	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	1700488	46.852	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	133378	42.121	ug/l	88

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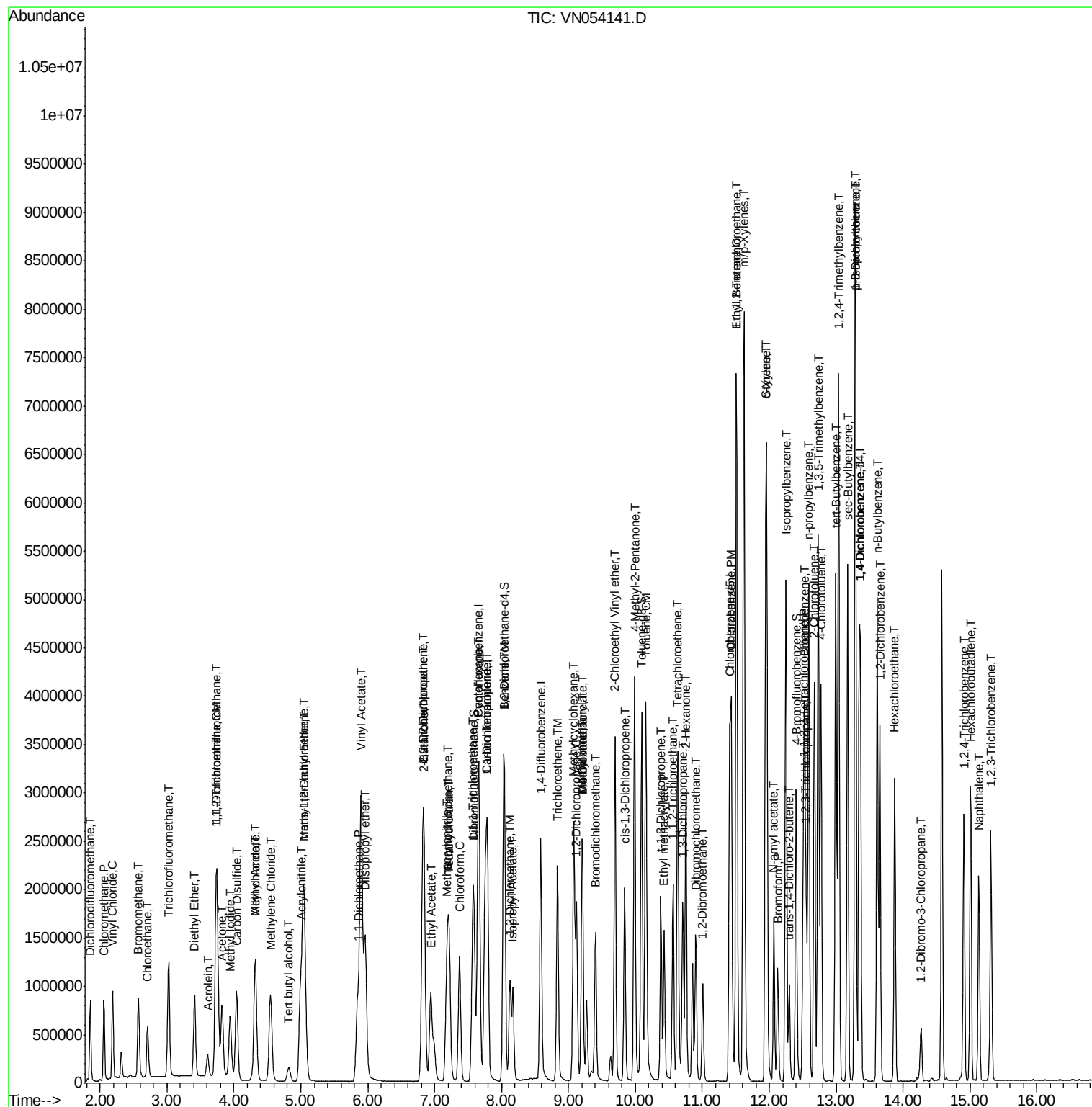
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1001629	53.204	ug/l	99
94) Hexachlorobutadiene	15.01	225	668882	46.599	ug/l	100
95) Naphthalene	15.13	128	1915616	47.959	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	981024	51.428	ug/l	99

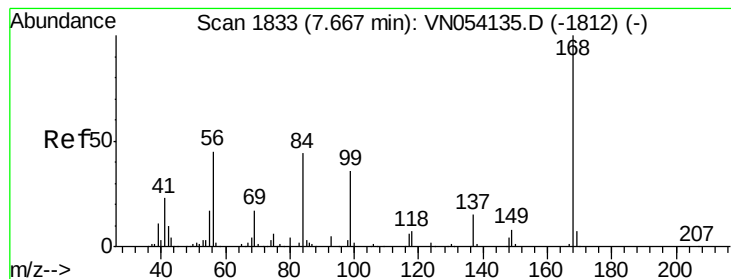
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

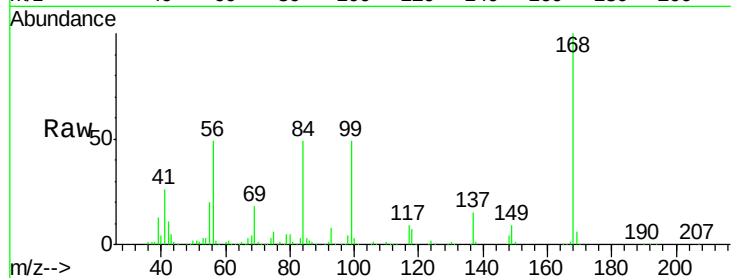
ICVFN031119

Tot Ion:168 Resp: 1719401

Ion Ratio Lower Upper

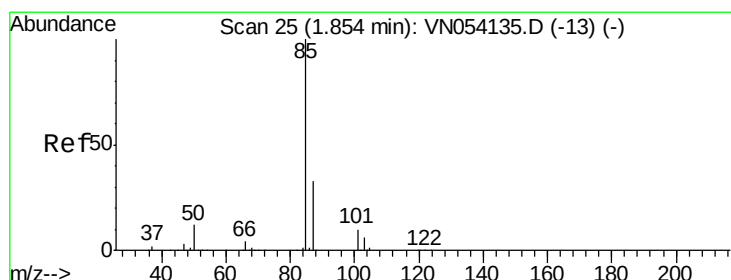
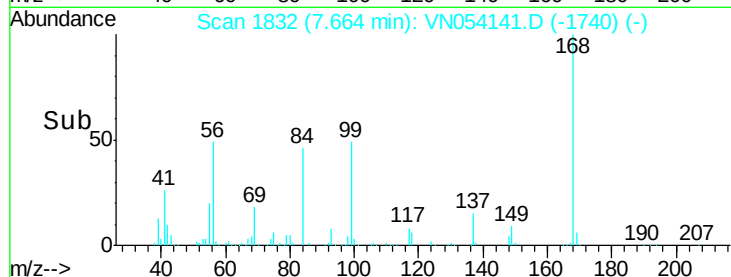
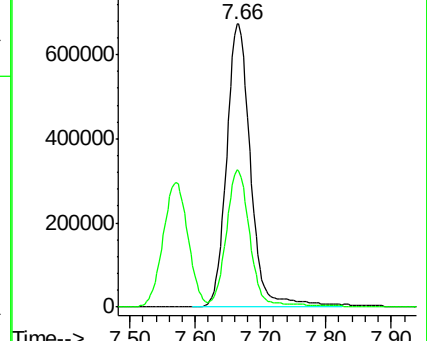
168 100

99 48.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.031 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054141.D

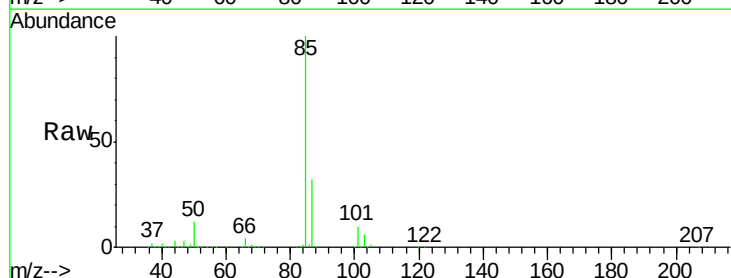
Acq: 11 Mar 2019 15:09

Tgt Ion: 85 Resp: 638034

Ion Ratio Lower Upper

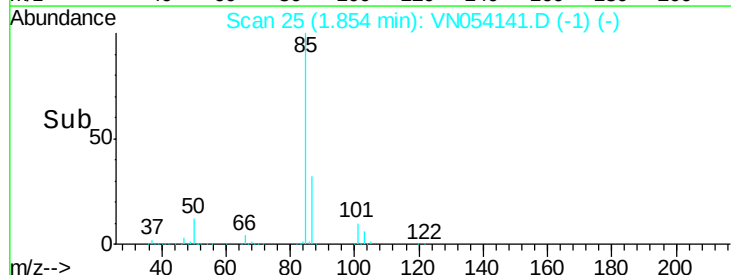
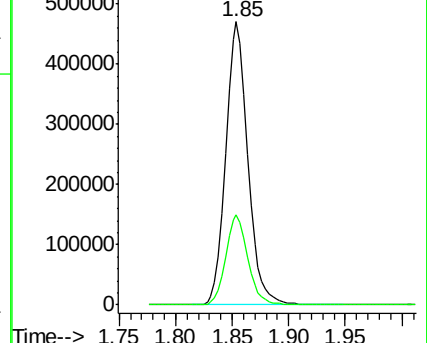
85 100

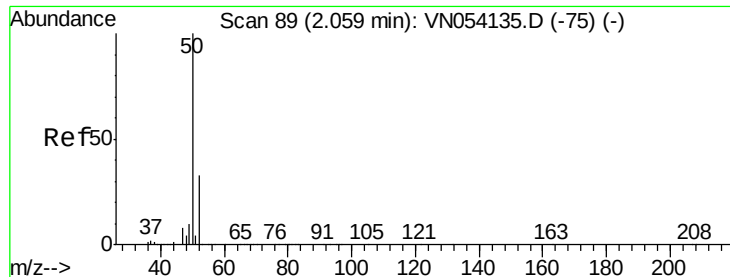
87 31.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.128 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

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ClientSampleId :

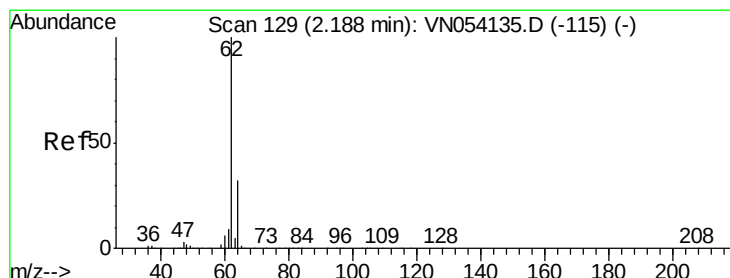
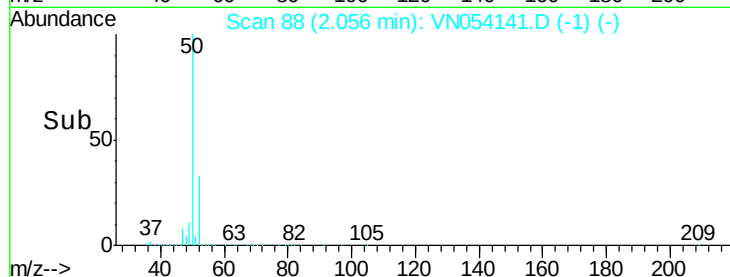
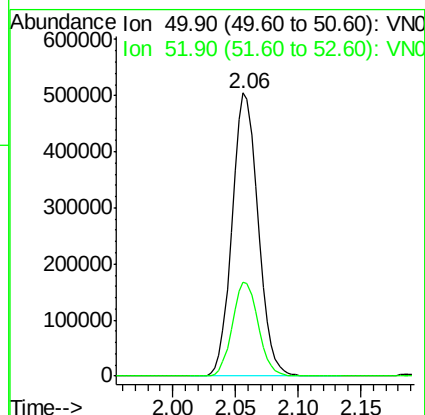
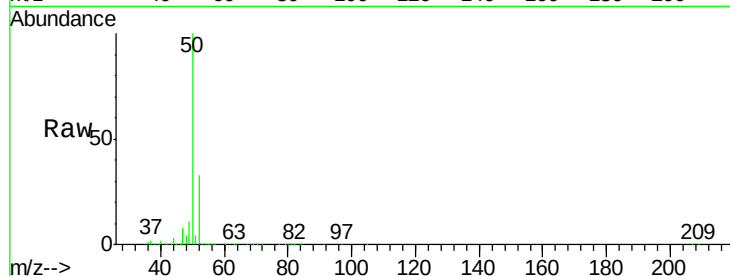
ICVVN031119

Tot Ion: 50 Resp: 727212

Ion Ratio Lower Upper

50 100

52 33.2 26.0 39.0



#4

Vinyl Chloride

Concen: 44.233 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054141.D

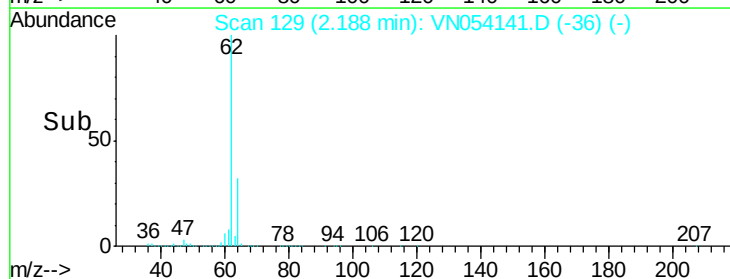
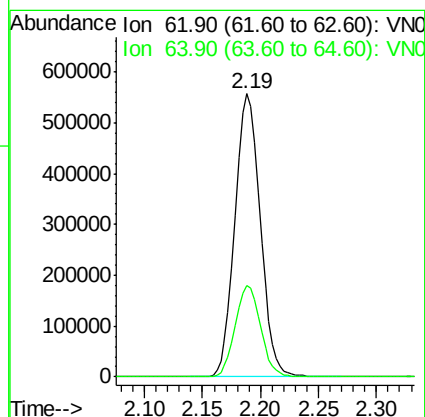
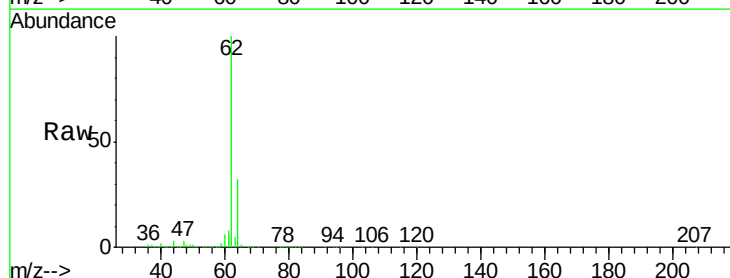
Acq: 11 Mar 2019 15:09

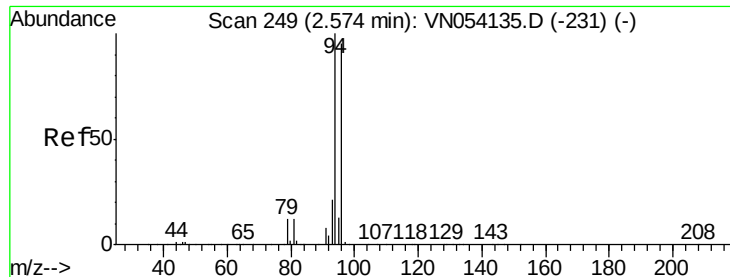
Tgt Ion: 62 Resp: 840620

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 43.466 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

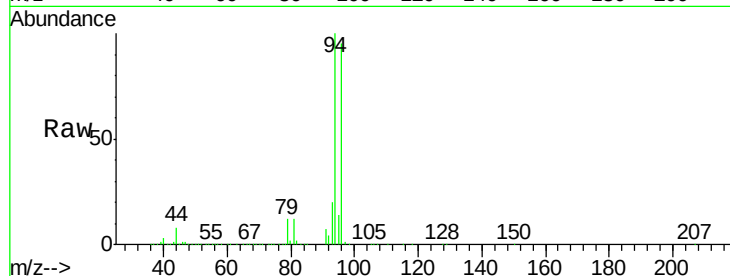
ICVVN031119

Tot Ion: 94 Resp: 566282

Ion Ratio Lower Upper

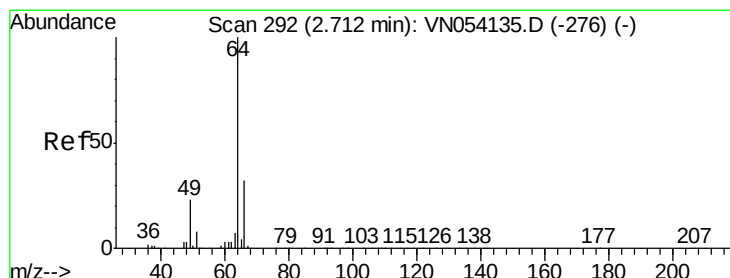
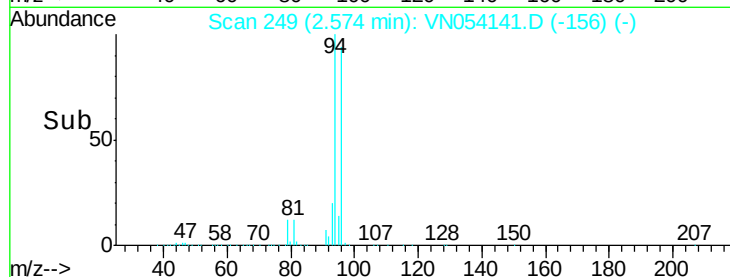
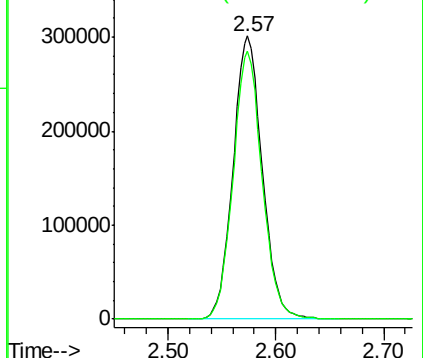
94 100

96 94.5 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.387 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054141.D

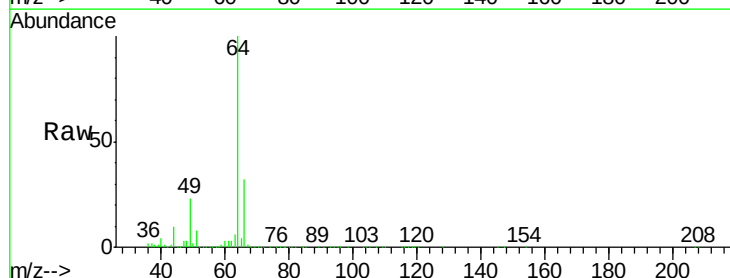
Acq: 11 Mar 2019 15:09

Tgt Ion: 64 Resp: 524471

Ion Ratio Lower Upper

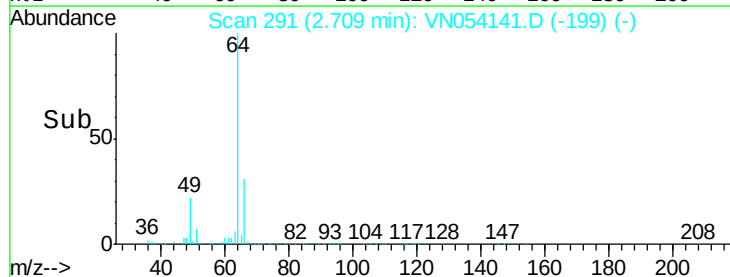
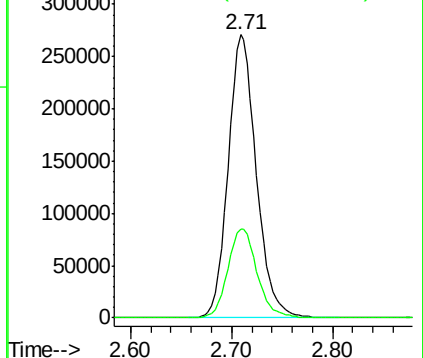
64 100

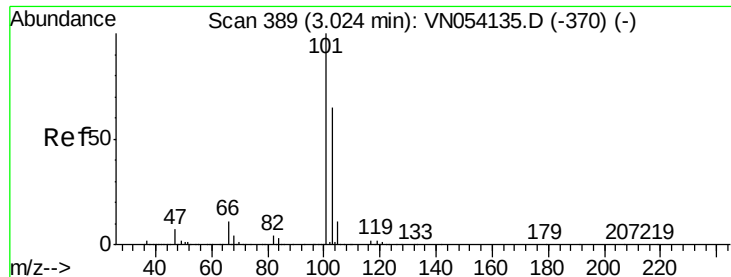
66 31.5 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



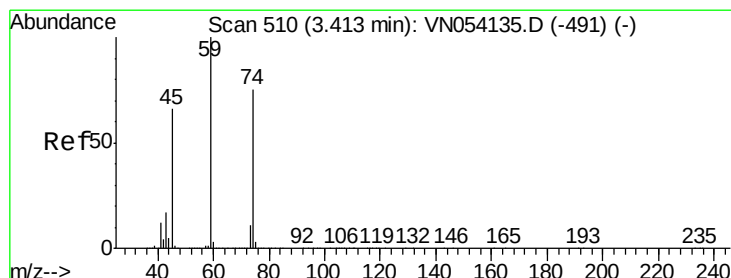
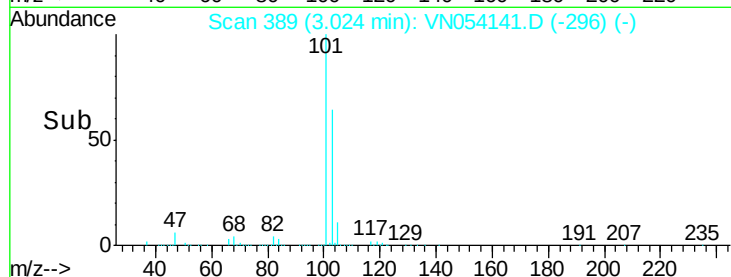
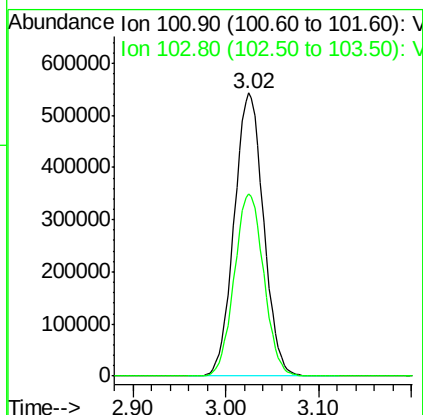
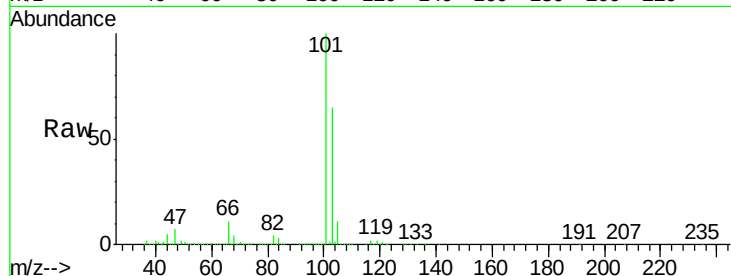


#7

Trichlorofluoromethane
Concen: 45.485 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

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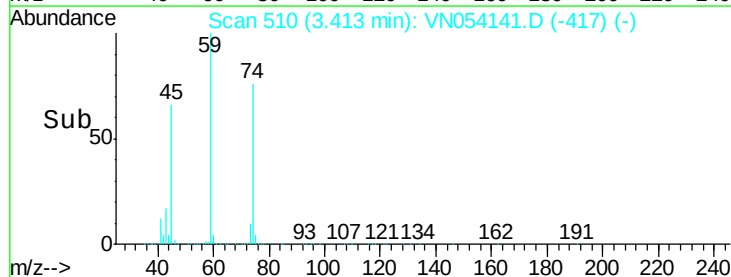
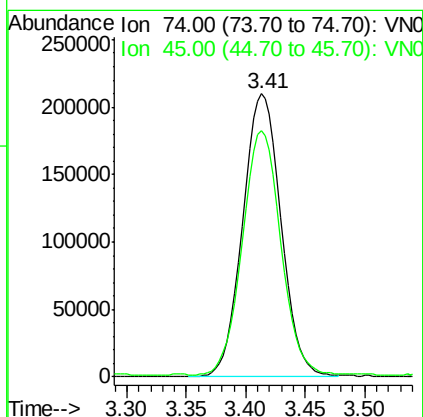
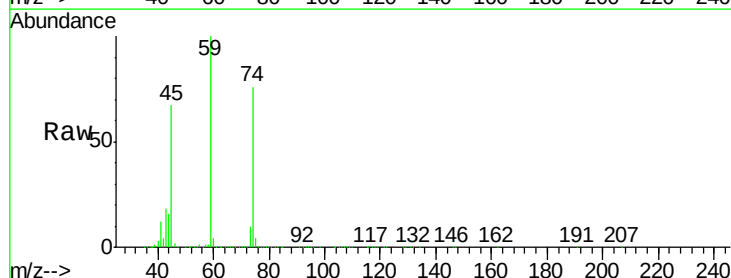
Tot Ion:101 Resp: 1191178
Ion Ratio Lower Upper
101 100
103 64.5 52.0 78.0

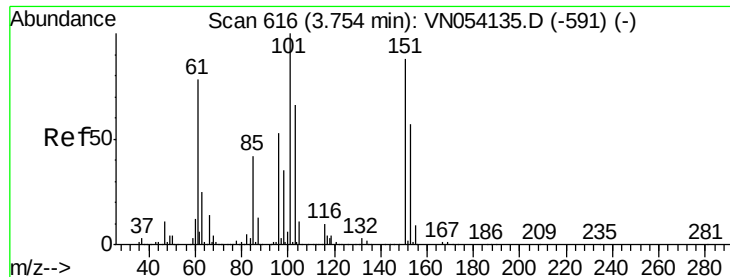


#8

Diethyl Ether
Concen: 44.293 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion: 74 Resp: 466798
Ion Ratio Lower Upper
74 100
45 86.9 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.055 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

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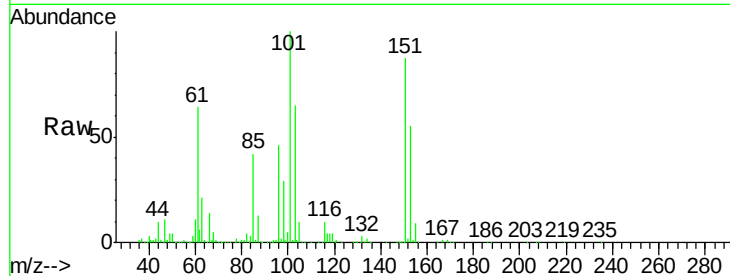
Tot Ion:101 Resp: 776635

Ion Ratio Lower Upper

101 100

85 41.5 33.1 49.7

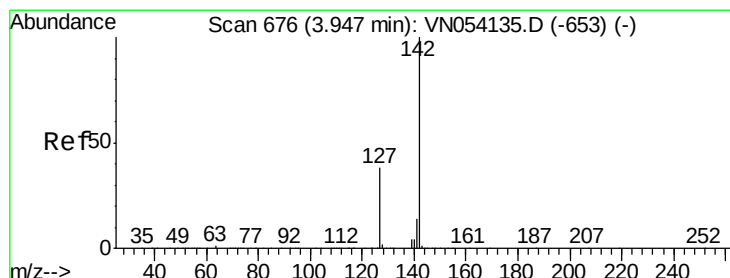
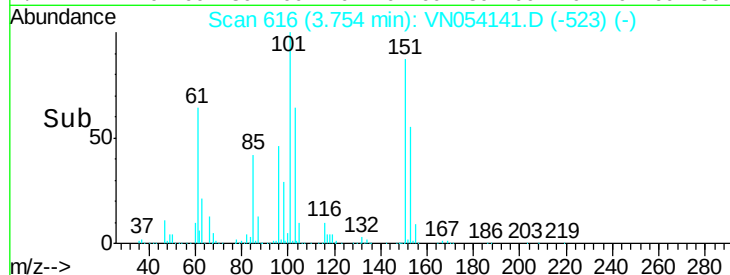
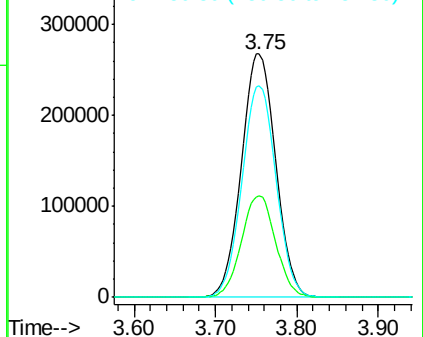
151 86.4 64.3 96.5



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: 46.860 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

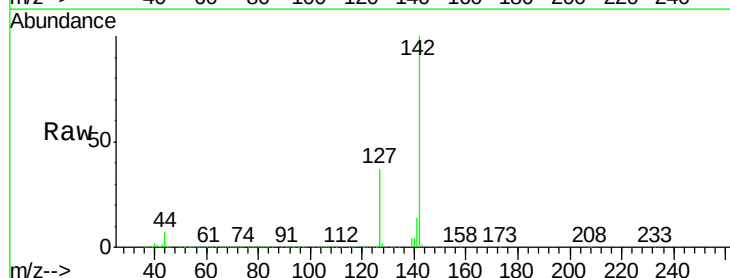
Tgt Ion:142 Resp: 1009785

Ion Ratio Lower Upper

142 100

127 37.3 31.9 47.9

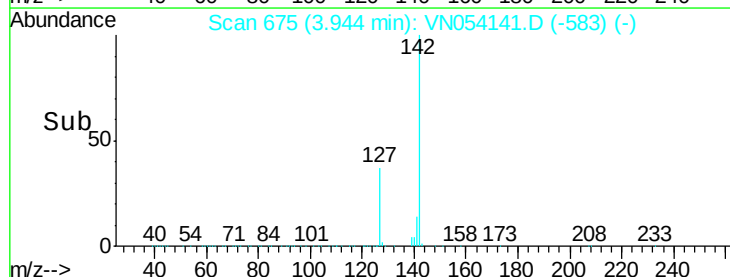
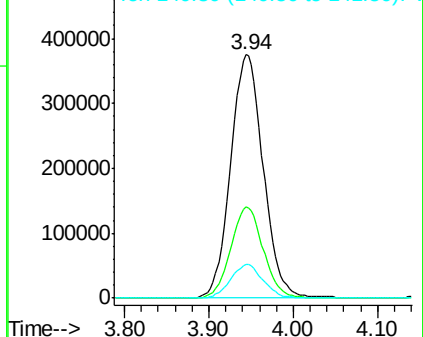
141 13.7 11.4 17.0

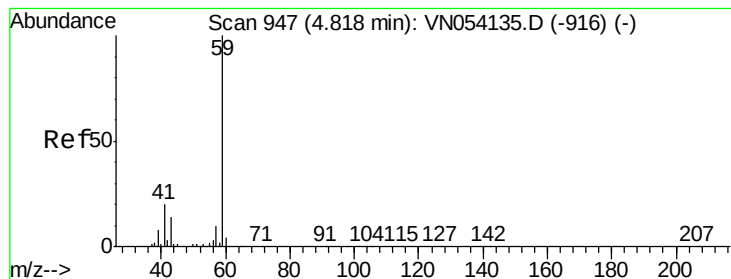


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



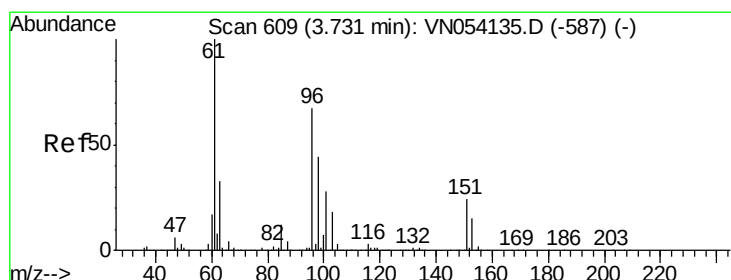
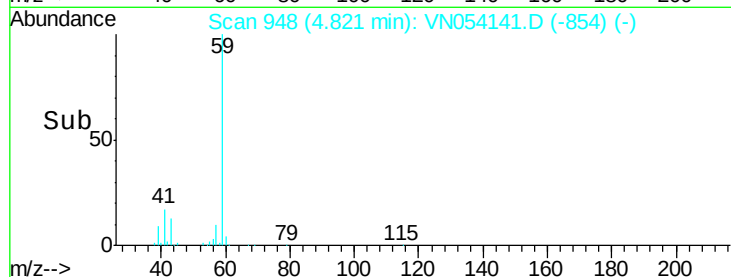
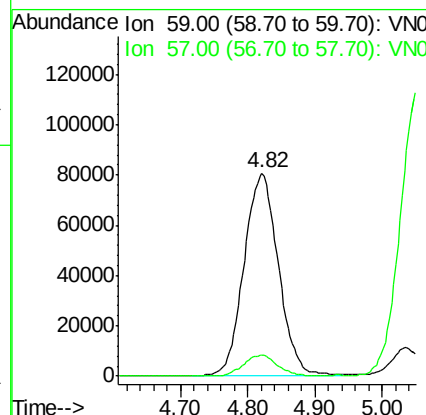
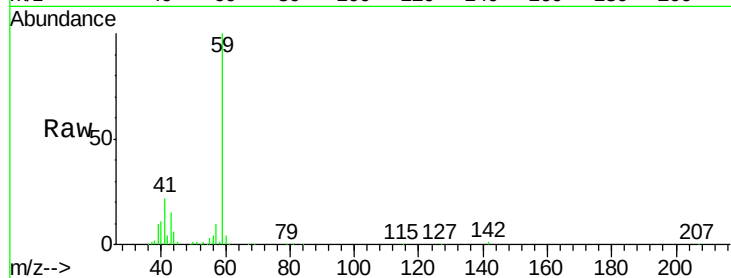


#11

Tert butyl alcohol
Concen: 226.314 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031119

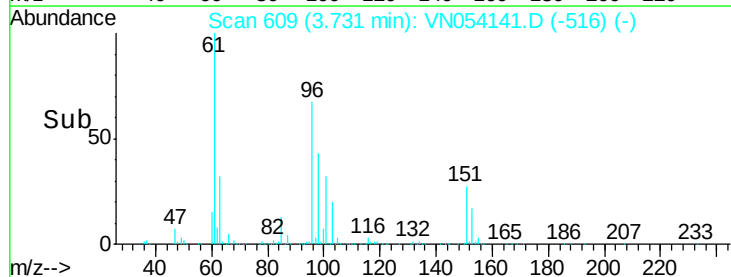
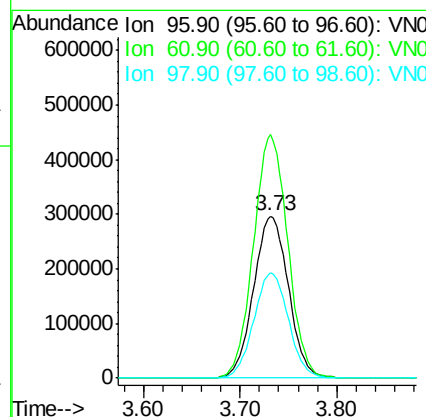
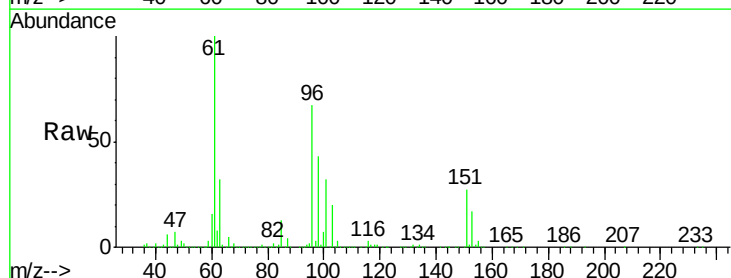
Tot Ion: 59 Resp: 287304
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.4

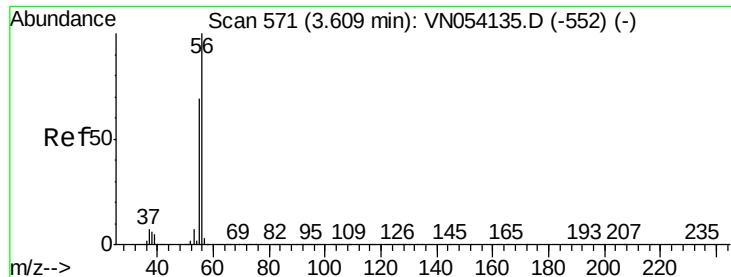


#12

1,1-Dichloroethene
Concen: 45.281 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion: 96 Resp: 737746
Ion Ratio Lower Upper
96 100
61 150.2 131.2 196.8
98 64.8 50.7 76.1





#13

Acrolein

Concen: 246.789 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

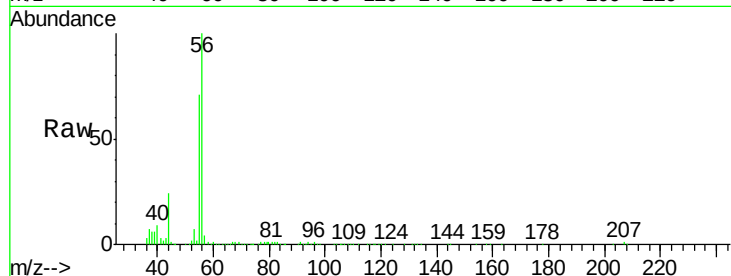
ICVVN031119

Tot Ion: 56 Resp: 254162

Ion Ratio Lower Upper

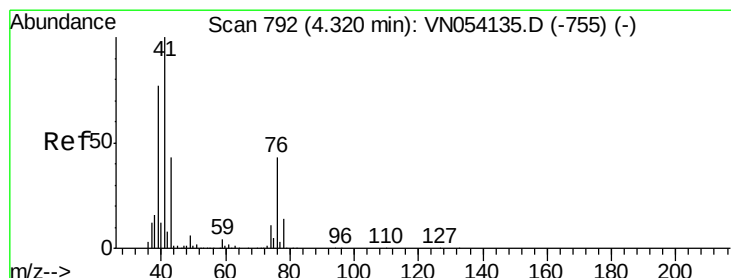
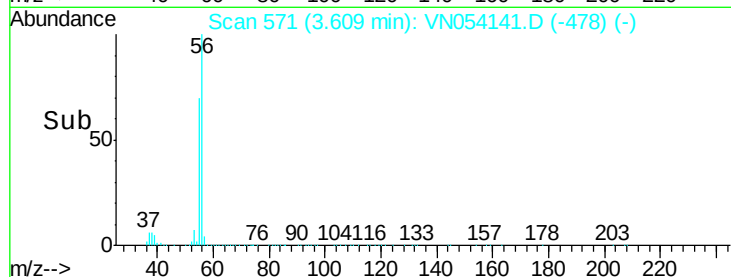
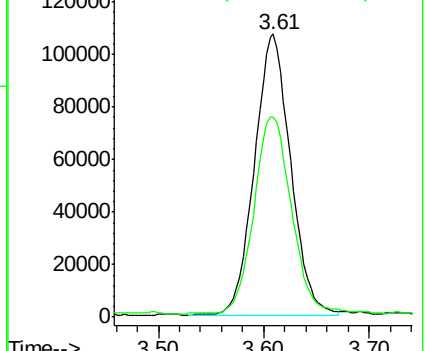
56 100

55 72.7 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 42.785 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

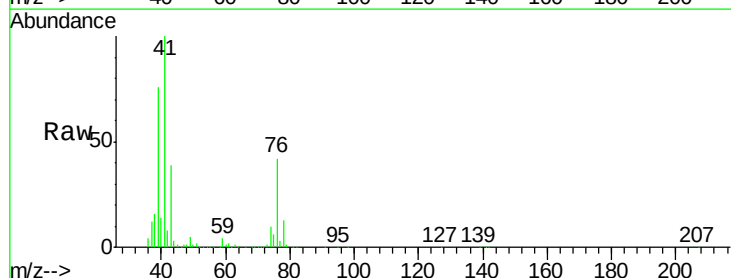
Tgt Ion: 41 Resp: 1010402

Ion Ratio Lower Upper

41 100

39 73.3 49.3 73.9

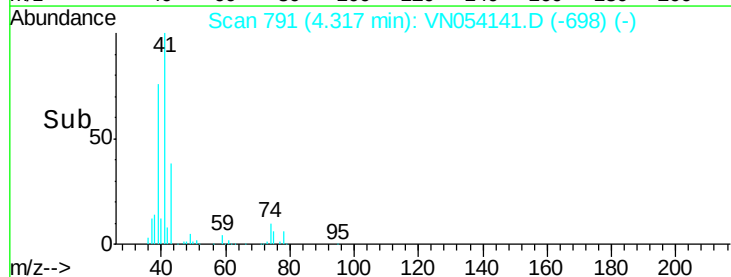
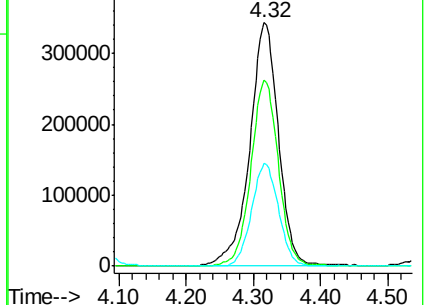
76 39.3 26.5 39.7

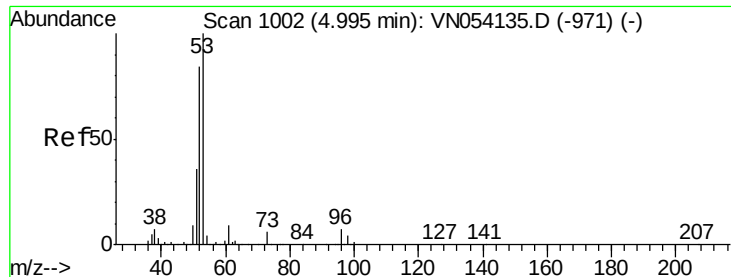


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 226.554 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031119

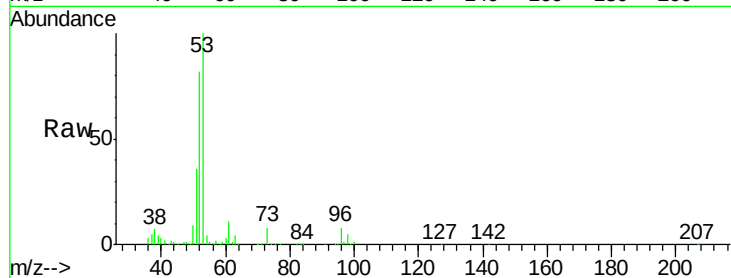
Tot Ion: 53 Resp: 1162055

Ion Ratio Lower Upper

53 100

52 81.9 64.6 97.0

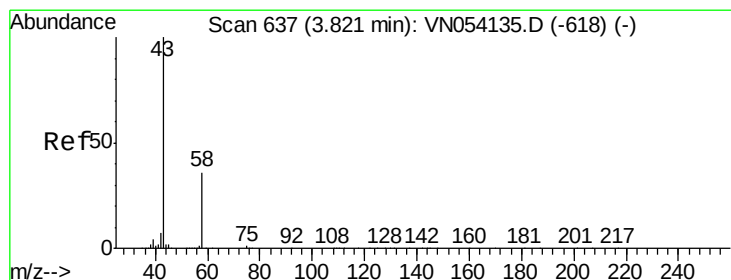
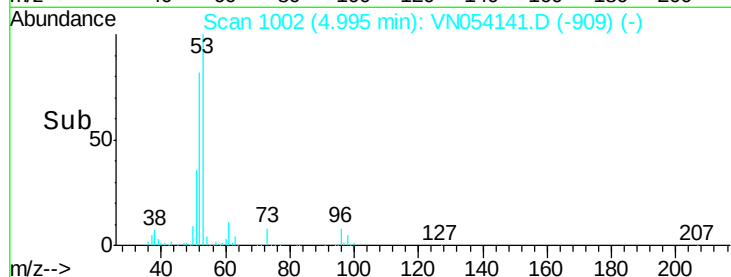
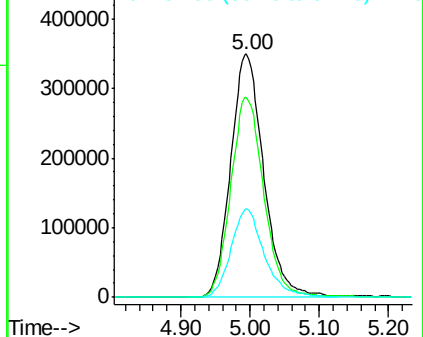
51 36.7 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 239.392 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054141.D

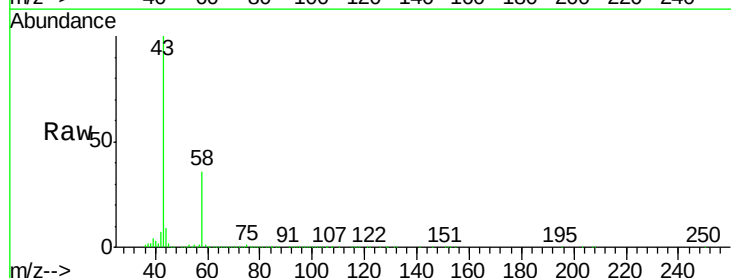
Acq: 11 Mar 2019 15:09

Tgt Ion: 43 Resp: 1135025

Ion Ratio Lower Upper

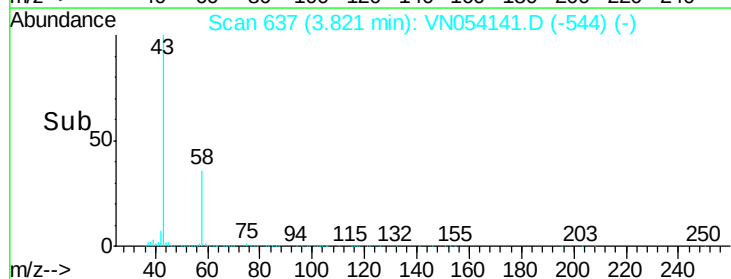
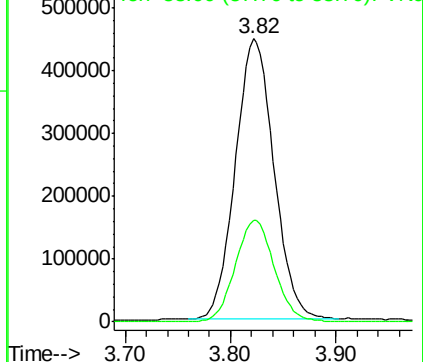
43 100

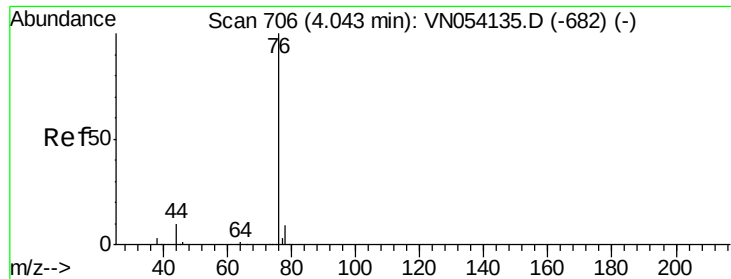
58 36.0 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

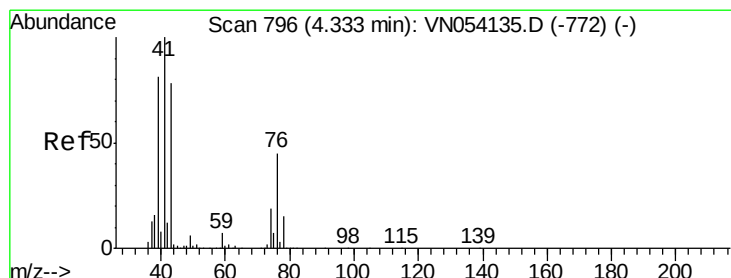
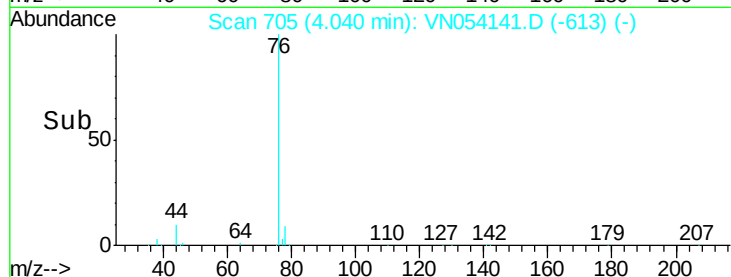
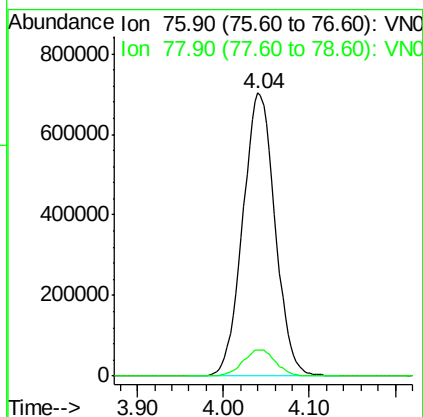
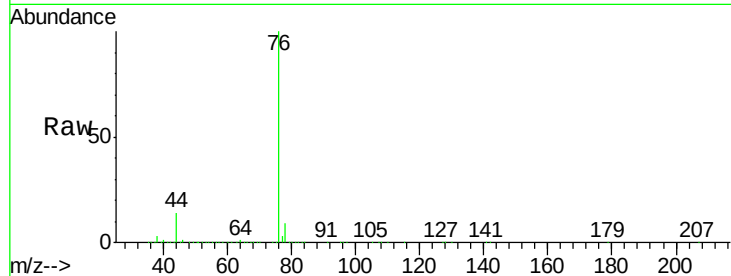




#17
Carbon Disulfide
Concen: 43.554 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

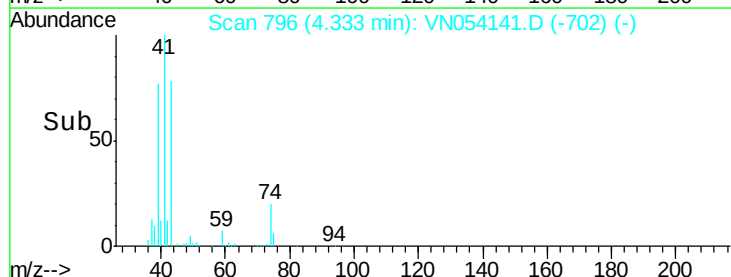
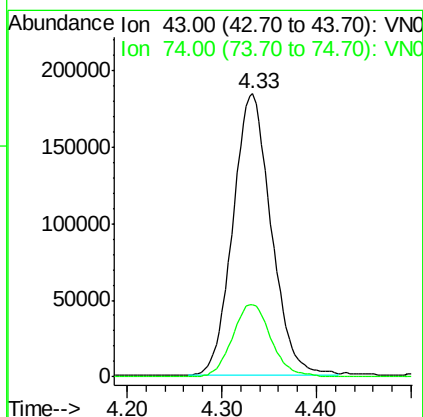
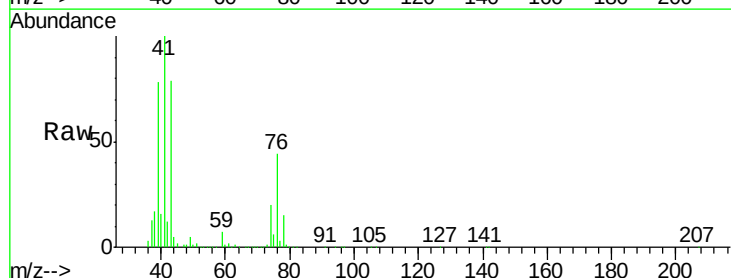
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031119

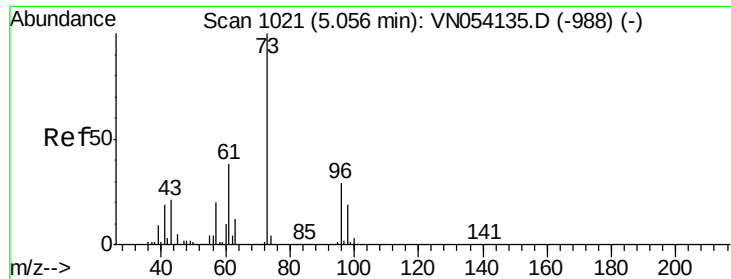
Tot Ion: 76 Resp: 1831478
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 43.676 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion: 43 Resp: 516242
Ion Ratio Lower Upper
43 100
74 26.2 18.2 27.2

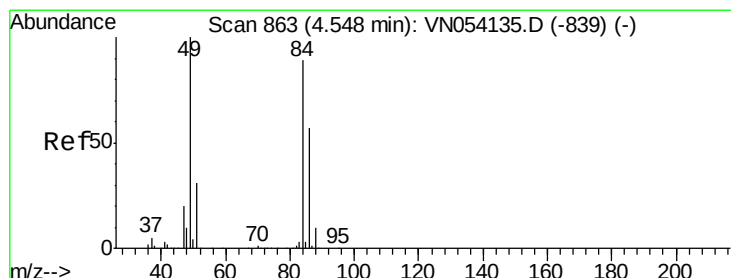
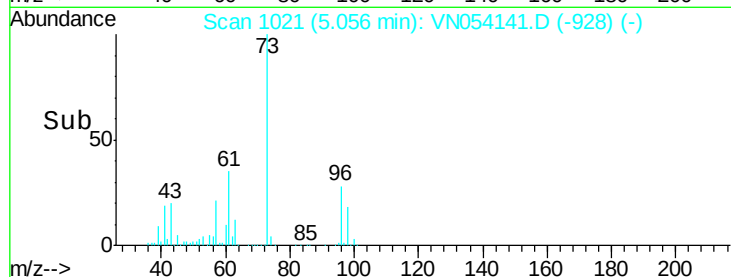
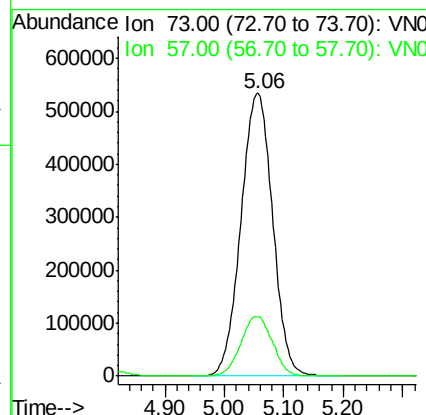
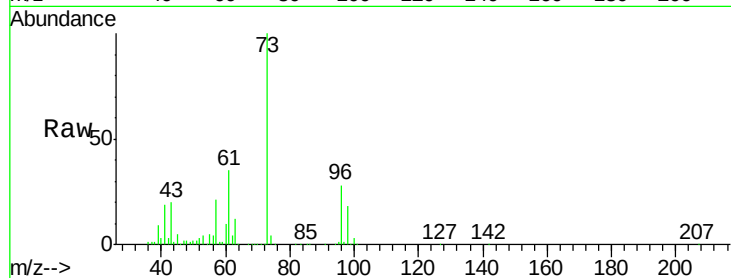




#19
Methvl tert-butyl Ether
Concen: 44.732 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

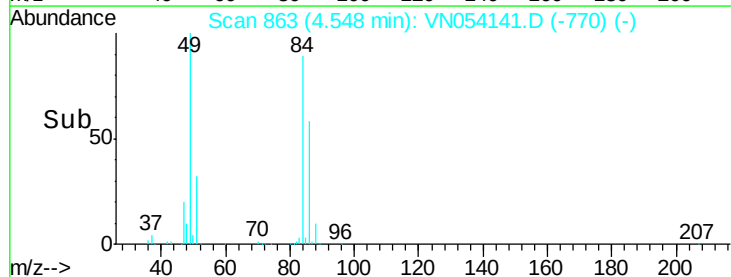
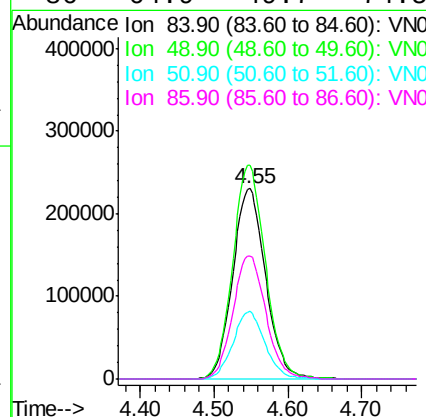
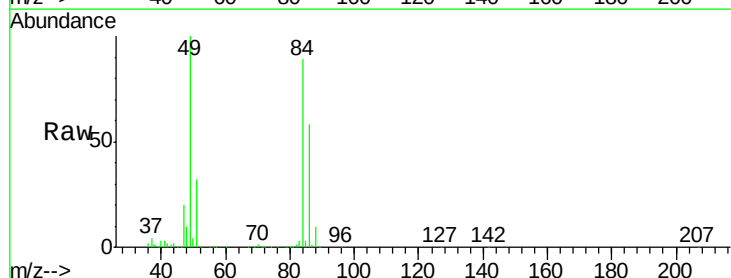
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031119

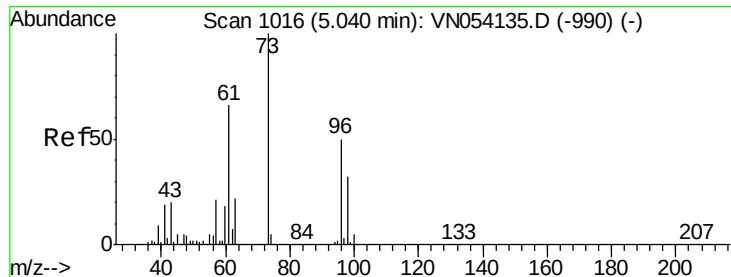
Tot Ion: 73 Resp: 1981409
Ion Ratio Lower Upper
73 100
57 21.0 18.2 27.4



#20
Methylene Chloride
Concen: 43.440 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion: 84 Resp: 718380
Ion Ratio Lower Upper
84 100
49 112.2 101.8 152.8
51 35.3 31.1 46.7
86 64.9 49.7 74.5

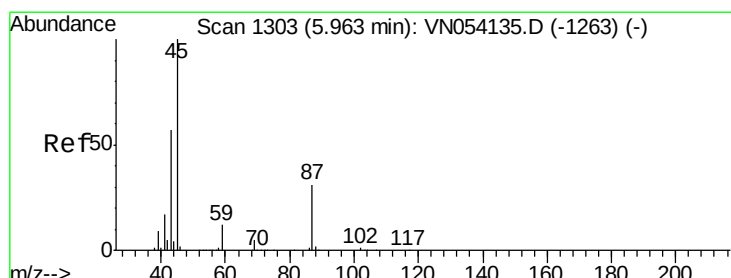
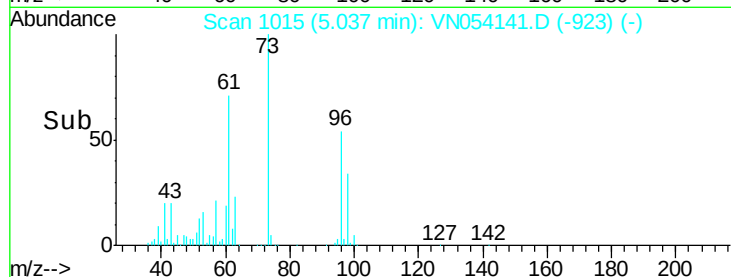
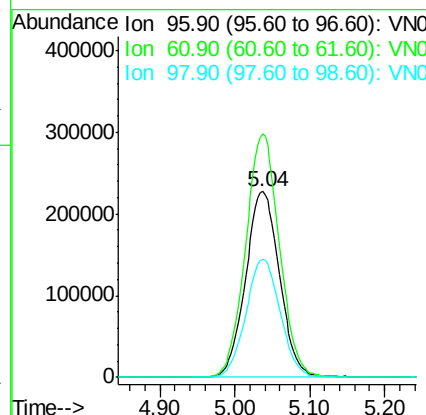
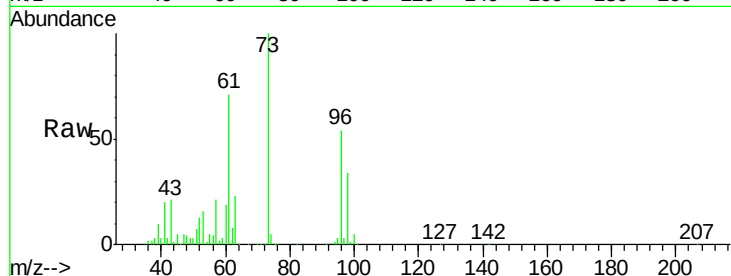




#21
trans-1,2-Dichloroethene
Concen: 44.979 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

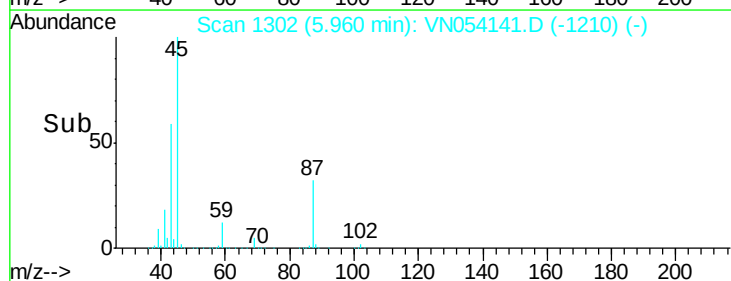
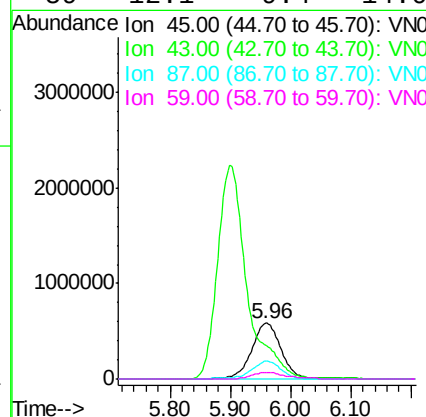
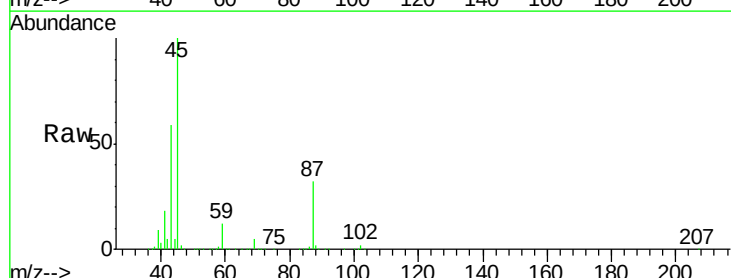
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031119

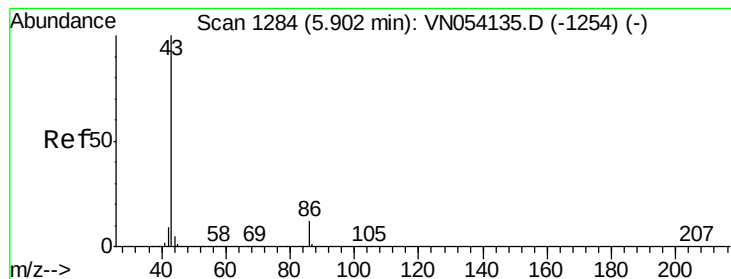
Tot Ion: 96 Resp: 719652
Ion Ratio Lower Upper
96 100
61 131.1 114.8 172.2
98 63.5 51.4 77.0



#22
Diisopropyl ether
Concen: 46.206 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion: 45 Resp: 2015301
Ion Ratio Lower Upper
45 100
43 58.0 46.2 69.4
87 31.3 20.6 31.0#
59 12.1 9.4 14.0





#23

Vinyl Acetate

Concen: 229.919 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

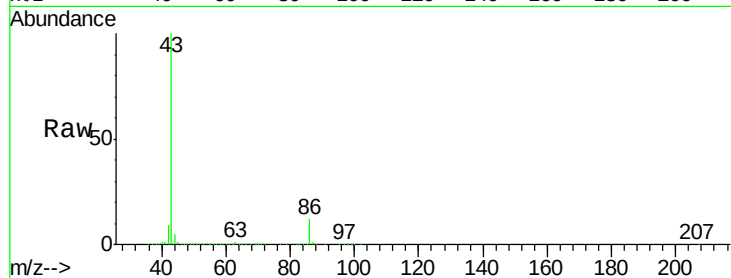
ICVVN031119

Tot Ion: 43 Resp: 7571759

Ion Ratio Lower Upper

43 100

86 11.5 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

2500000

2000000

1500000

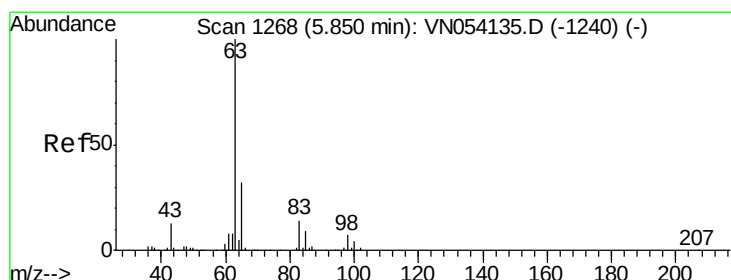
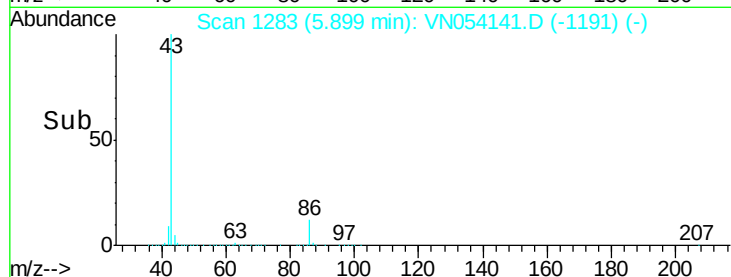
1000000

500000

0

Time-->

5.80 6.00 6.20



#24

1,1-Dichloroethane

Concen: 44.927 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

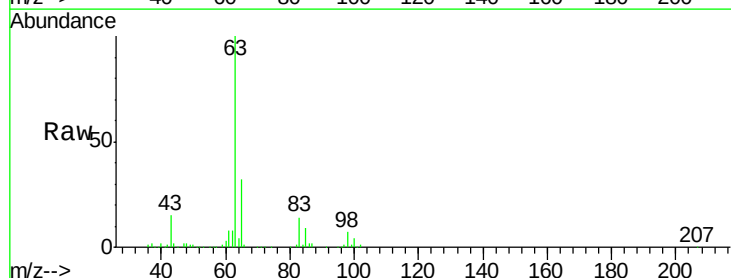
Tgt Ion: 63 Resp: 1270296

Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.4

100 4.4 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

500000

400000

300000

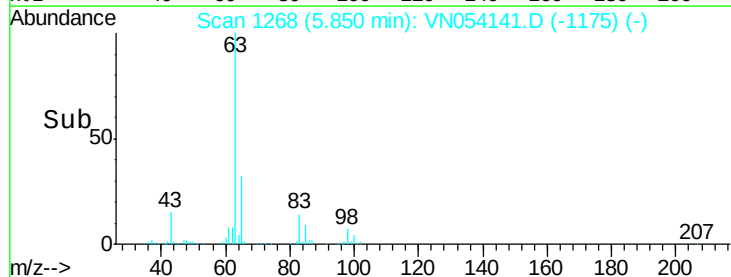
200000

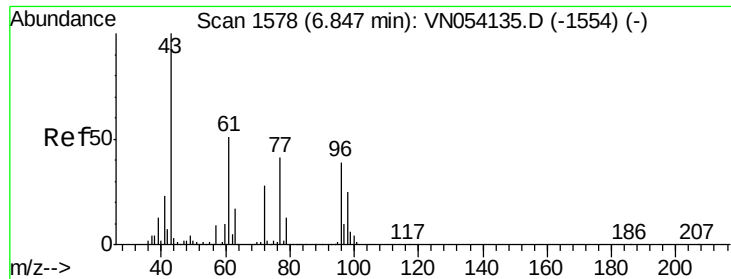
100000

0

Time-->

5.70 5.80 5.90 6.00

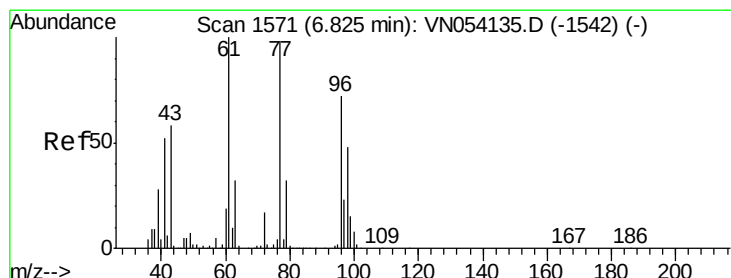
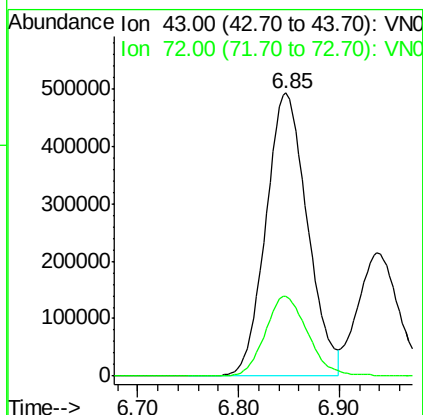
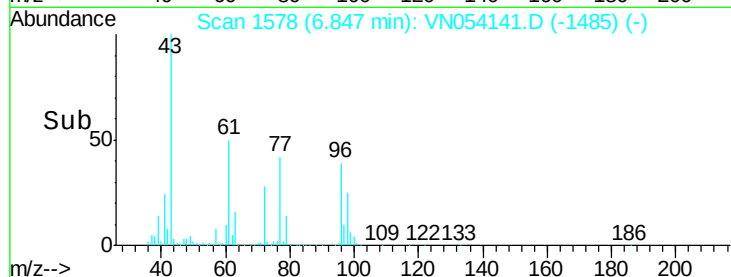
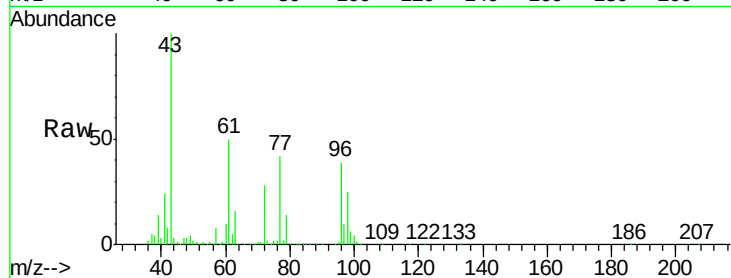




#25
2-Butanone
Concen: 228.630 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

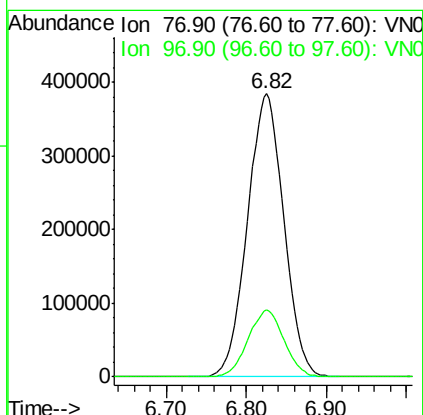
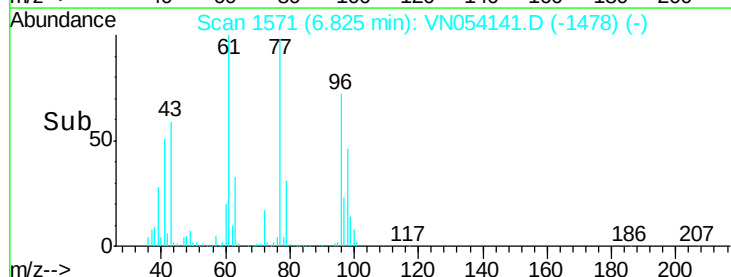
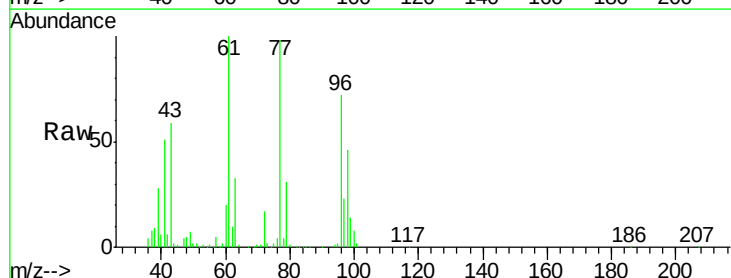
Instrument :
MSVOA_N
ClientSampled :
ICVVN031119

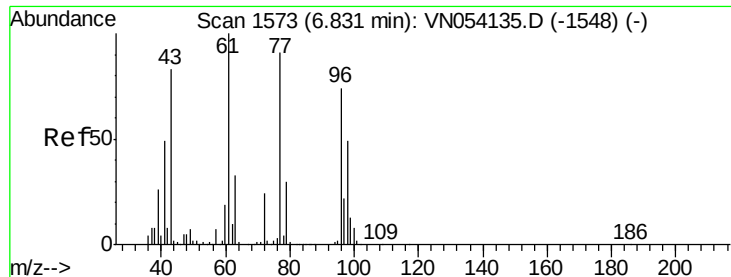
Tot Ion: 43 Resp: 1402441
Ion Ratio Lower Upper
43 100
72 28.3 20.2 30.2



#26
2,2-Dichloropropane
Concen: 45.664 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion: 77 Resp: 1192330
Ion Ratio Lower Upper
77 100
97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 45.968 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031119

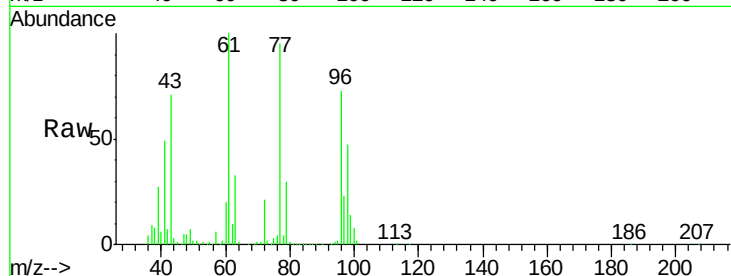
Tot Ion: 96 Resp: 841279

Ion Ratio Lower Upper

96 100

61 137.0 0.0 297.0

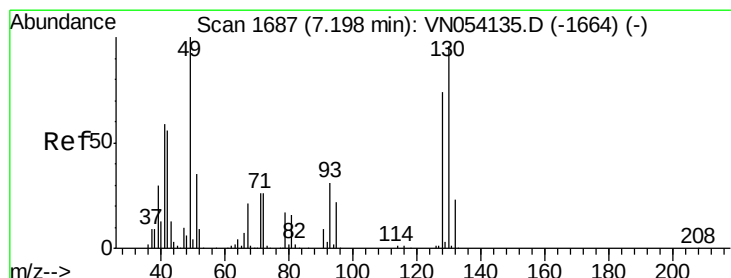
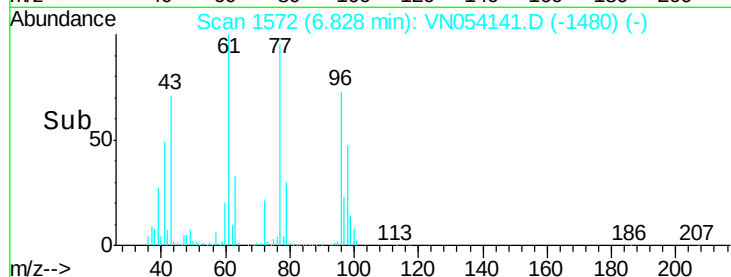
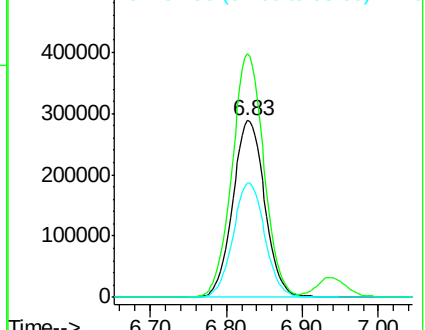
98 64.4 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.339 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

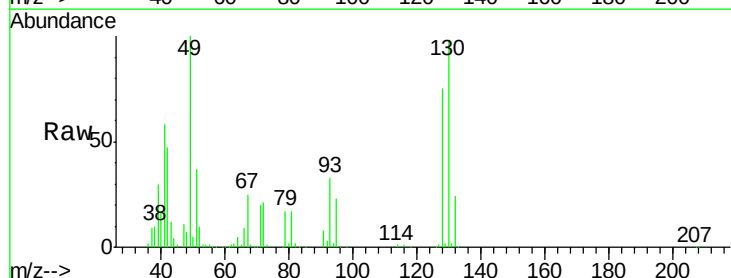
Tgt Ion: 49 Resp: 594385

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

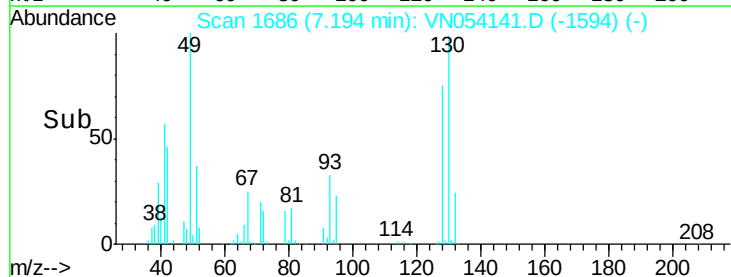
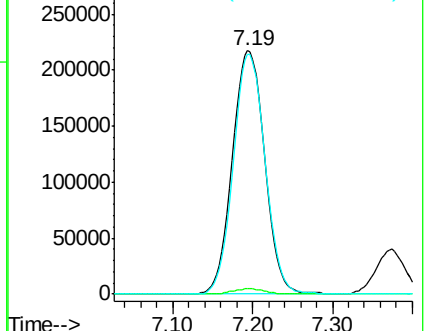
130 96.8 59.4 89.2#

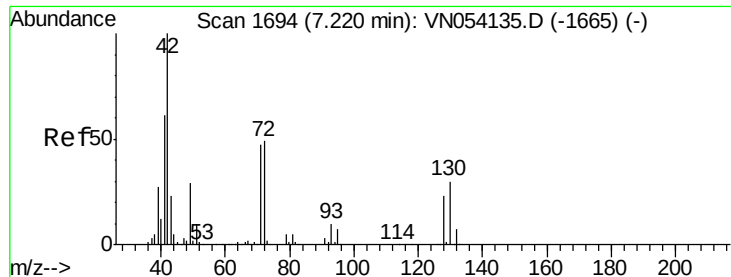


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

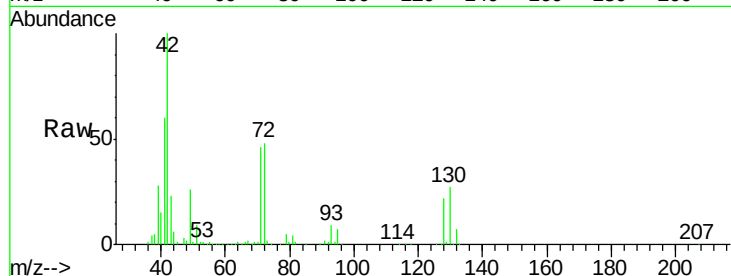




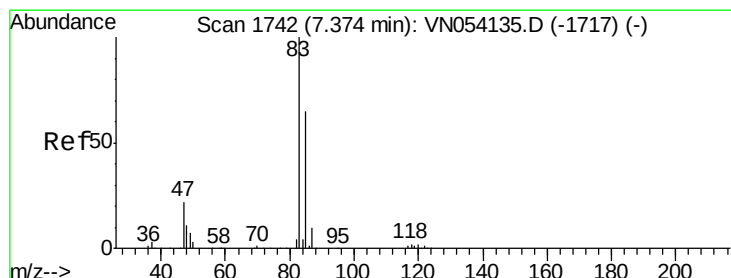
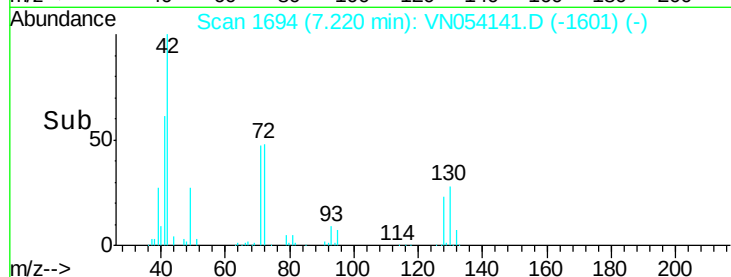
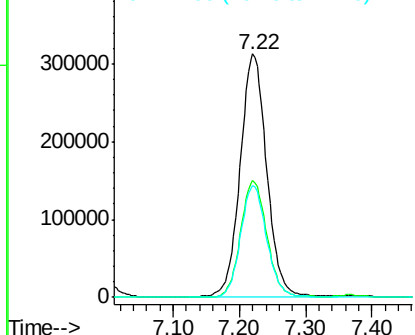
#29
Tetrahydrofuran
Concen: 219.798 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031119

Tot Ion: 42 Resp: 866266
Ion Ratio Lower Upper
42 100
72 47.5 32.8 49.2
71 45.6 30.5 45.7

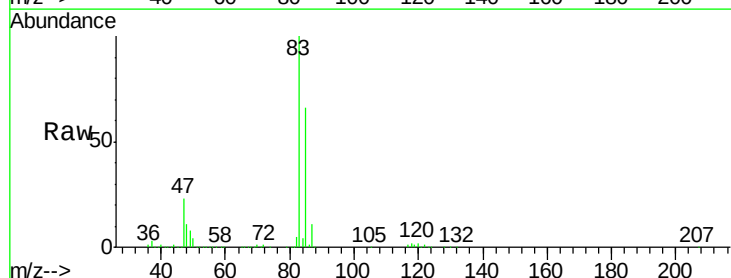


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

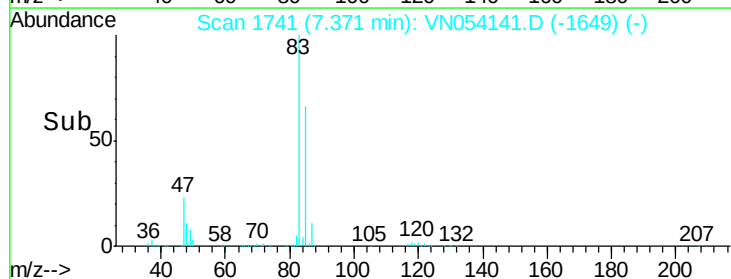
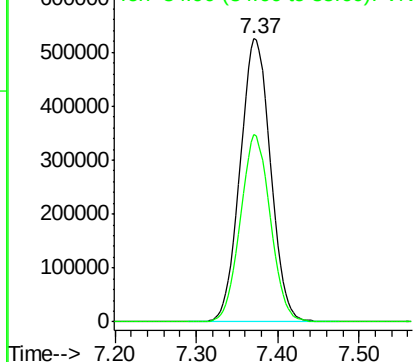


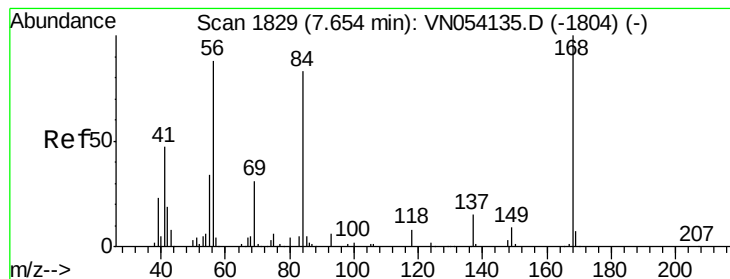
#30
Chloroform
Concen: 45.101 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion: 83 Resp: 1350383
Ion Ratio Lower Upper
83 100
85 66.1 53.1 79.7



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





#31

Cyclohexane

Concen: 48.152 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031119

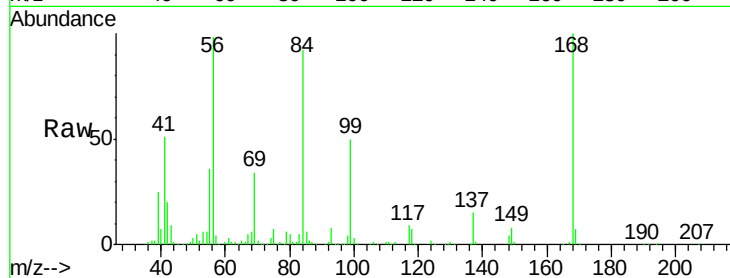
Tot Ion: 56 Resp: 1147626

Ion Ratio Lower Upper

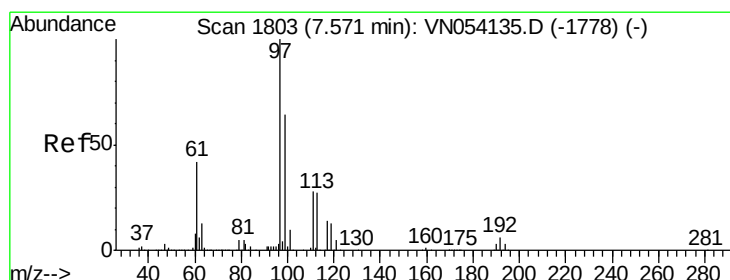
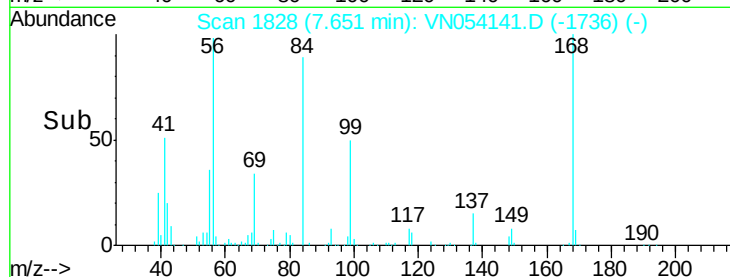
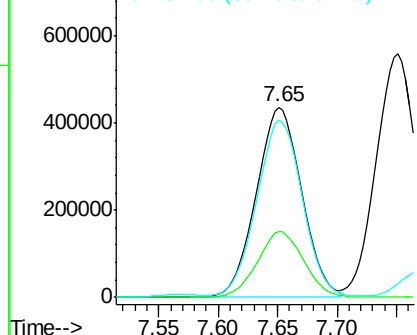
56 100

69 34.8 25.5 38.3

84 91.7 64.5 96.7



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



#32

1,1,1-Trichloroethane

Concen: 45.238 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

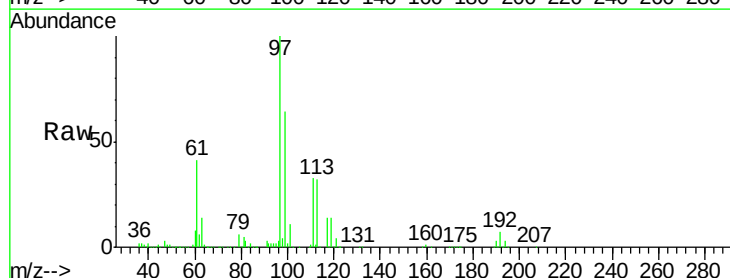
Tgt Ion: 97 Resp: 1226049

Ion Ratio Lower Upper

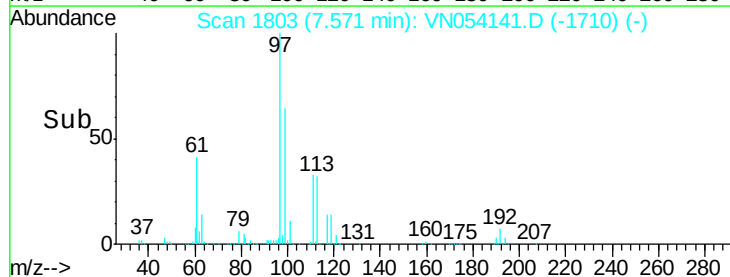
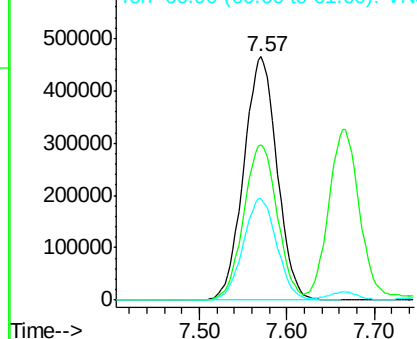
97 100

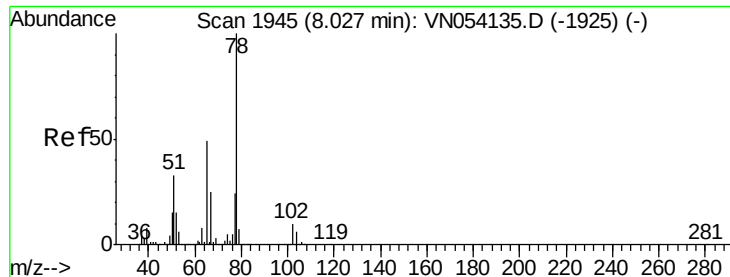
99 64.4 51.2 76.8

61 42.1 37.1 55.7



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

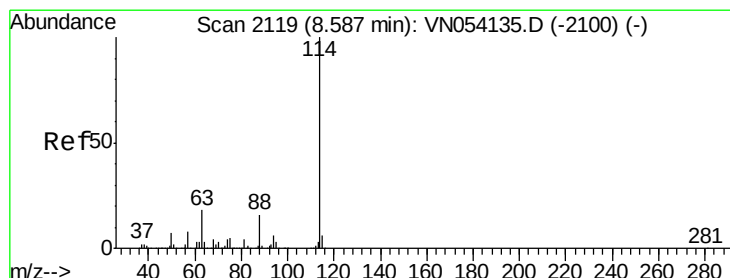
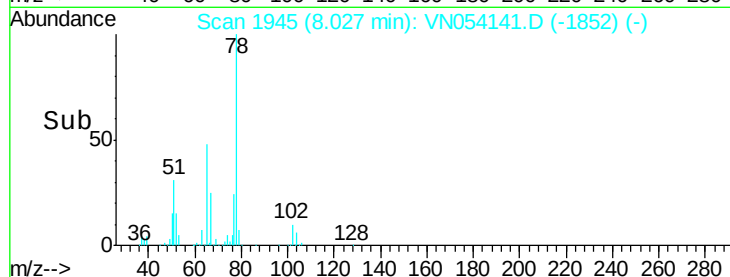
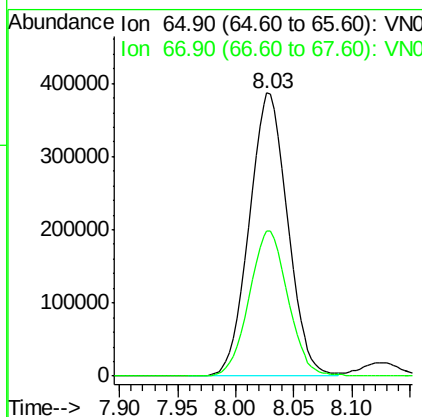
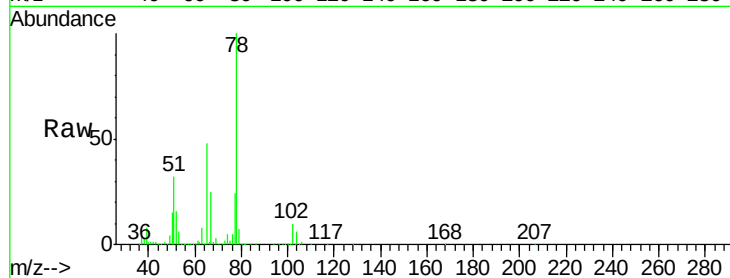




#33
 1,2-Dichloroethane-d4
 Concen: 48.538 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054141.D
 Acq: 11 Mar 2019 15:09

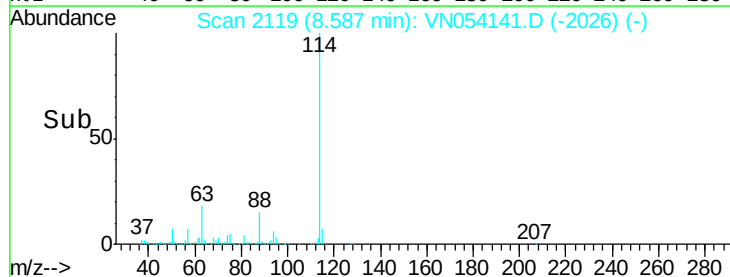
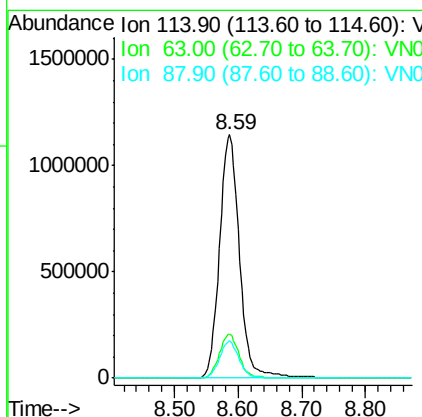
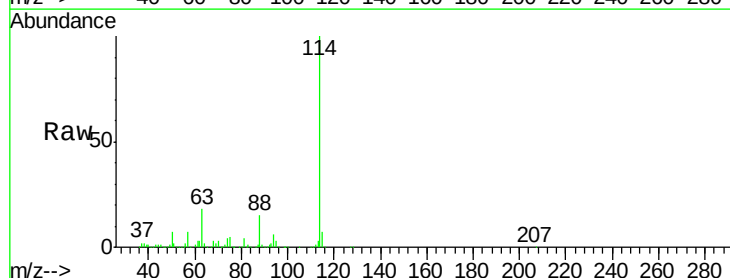
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031119

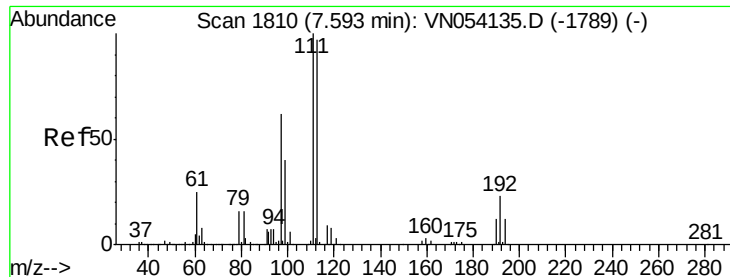
Tot Ion: 65 Resp: 892498
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054141.D
 Acq: 11 Mar 2019 15:09

Tgt Ion: 114 Resp: 2491687
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 42.6
 88 15.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.099 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031119

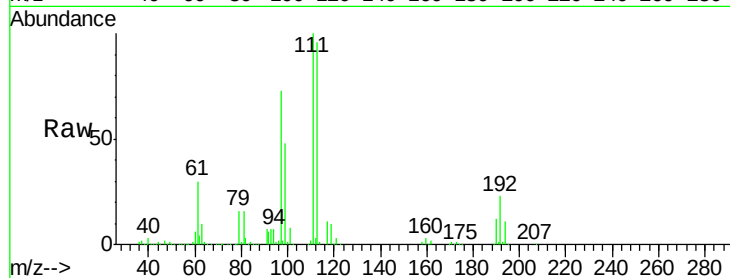
Tot Ion:113 Resp: 805380

Ion Ratio Lower Upper

113 100

111 102.6 82.1 123.1

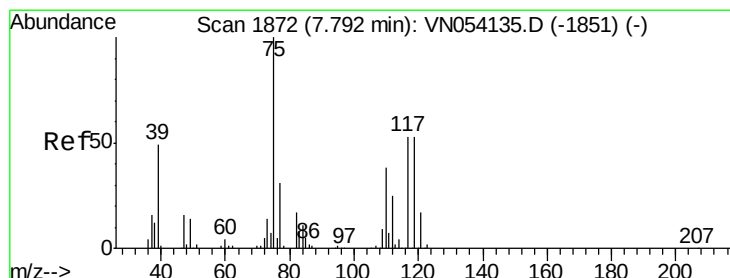
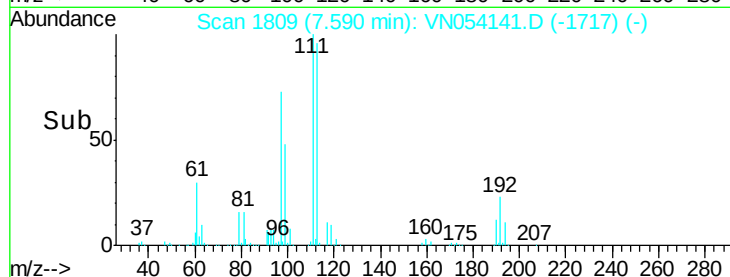
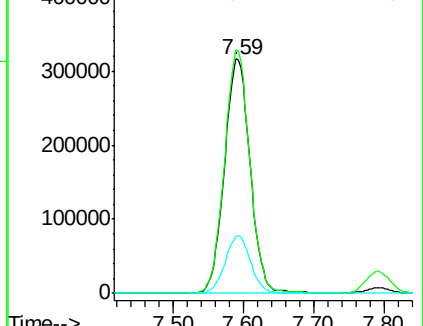
192 24.4 17.4 26.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.834 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

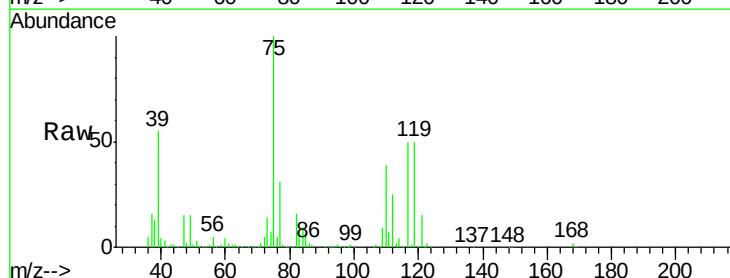
Tgt Ion: 75 Resp: 1015626

Ion Ratio Lower Upper

75 100

110 38.2 18.0 54.0

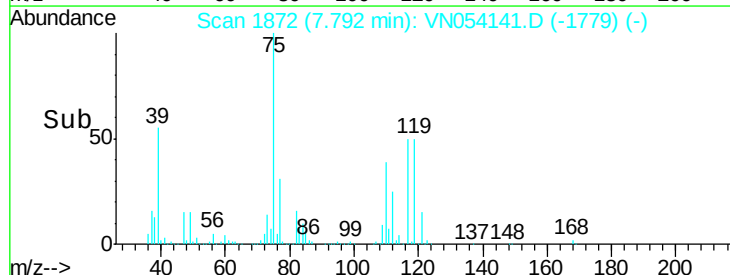
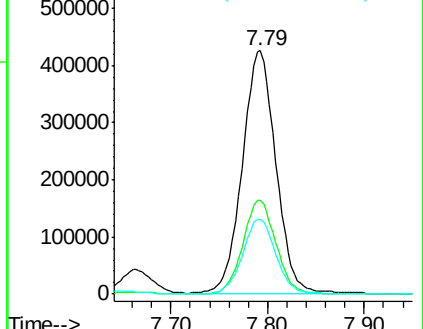
77 31.1 25.3 37.9

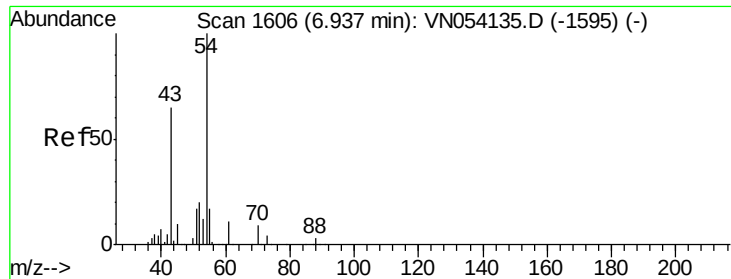


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

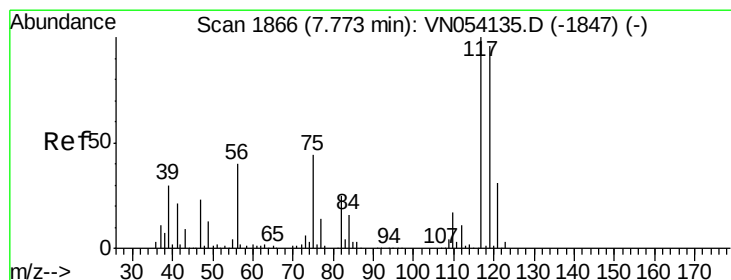
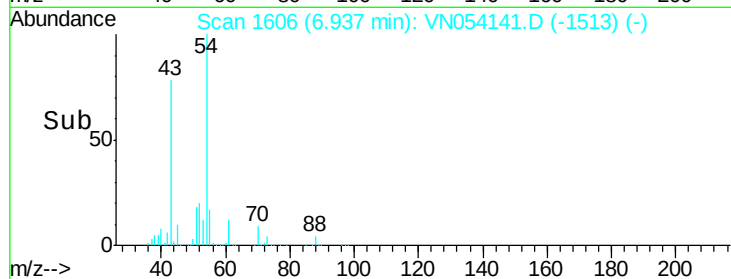
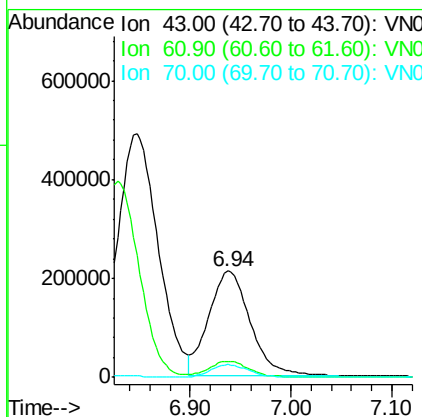
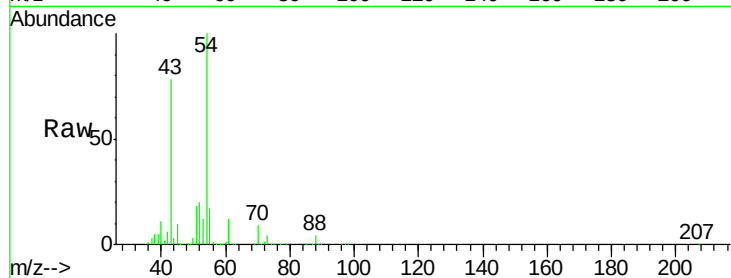




#37
Ethyl Acetate
Concen: 43.517 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

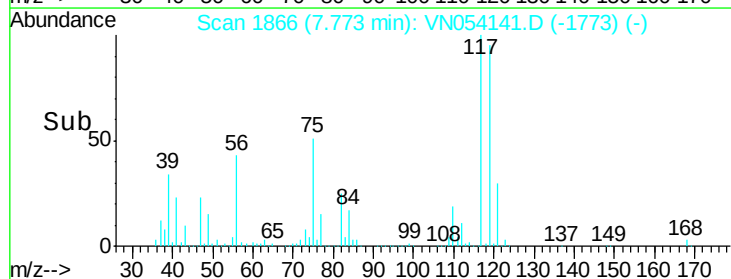
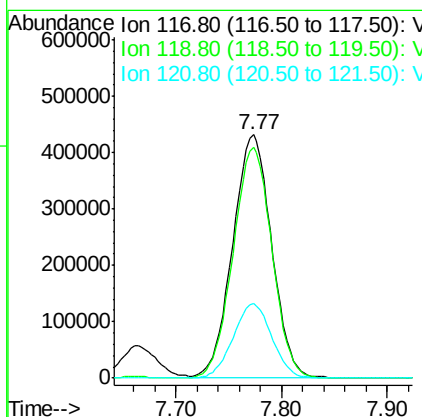
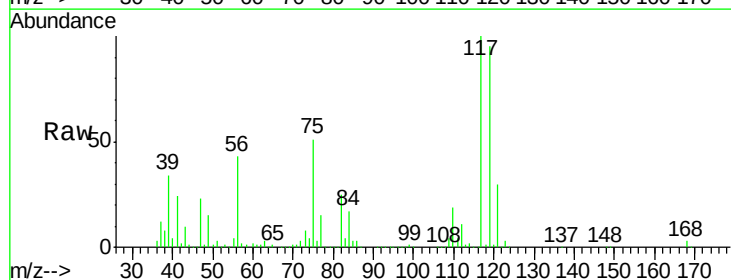
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031119

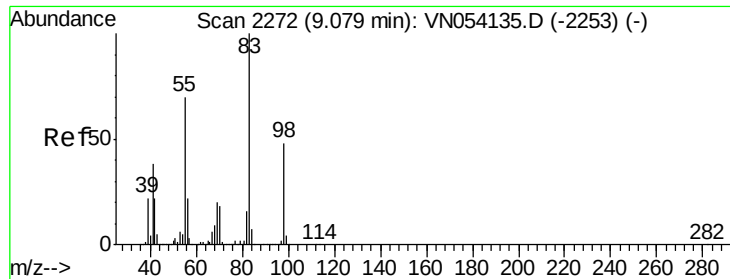
Tot Ion: 43 Resp: 611961
Ion Ratio Lower Upper
43 100
61 14.9 11.1 16.7
70 10.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 45.832 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion: 117 Resp: 1101784
Ion Ratio Lower Upper
117 100
119 94.9 77.0 115.6
121 30.4 24.3 36.5

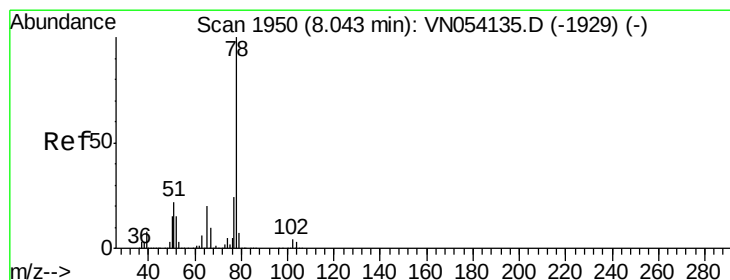
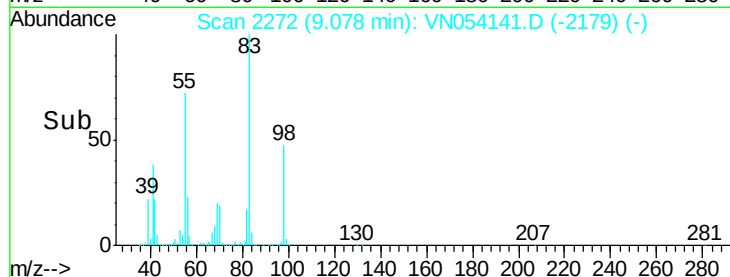
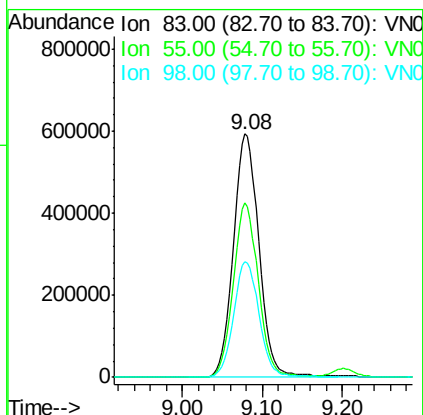
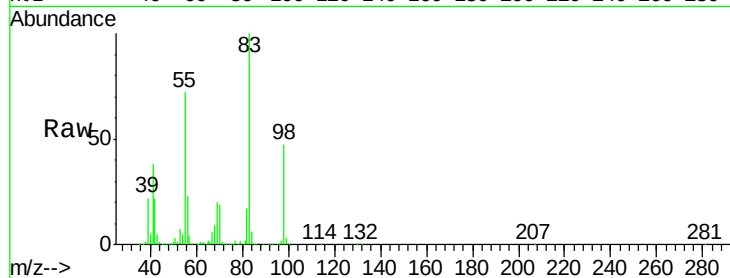




#39
Methylcyclohexane
Concen: 48.172 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

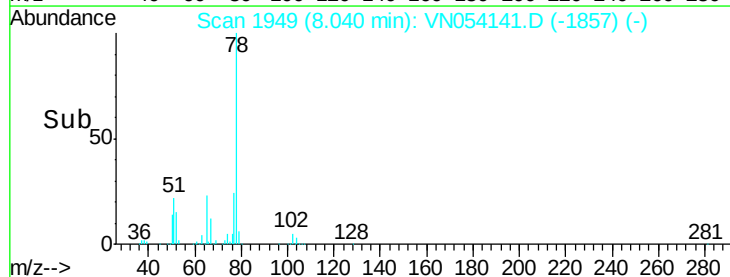
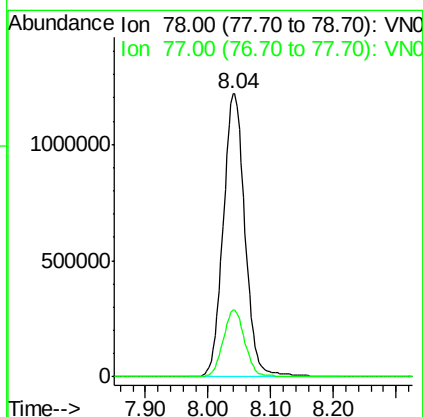
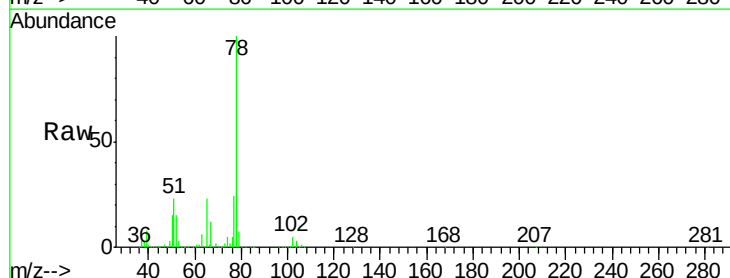
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031119

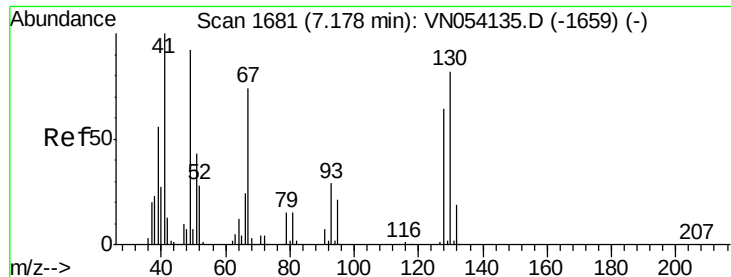
Tot Ion: 83 Resp: 1286116
Ion Ratio Lower Upper
83 100
55 71.8 62.1 93.1
98 47.5 36.0 54.0



#40
Benzene
Concen: 47.092 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion: 78 Resp: 2934526
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1

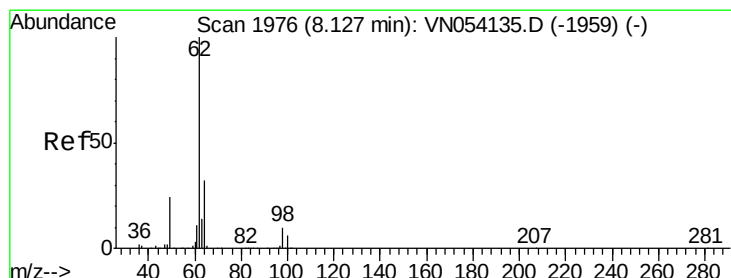
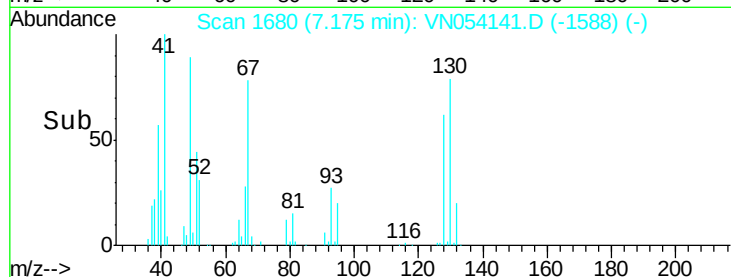
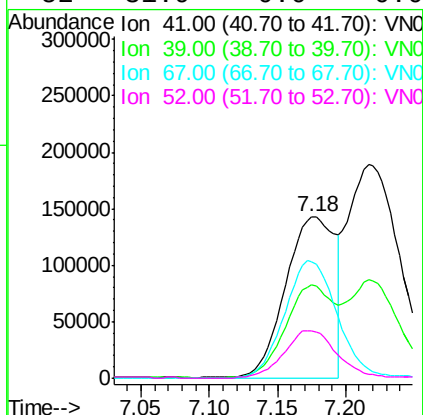
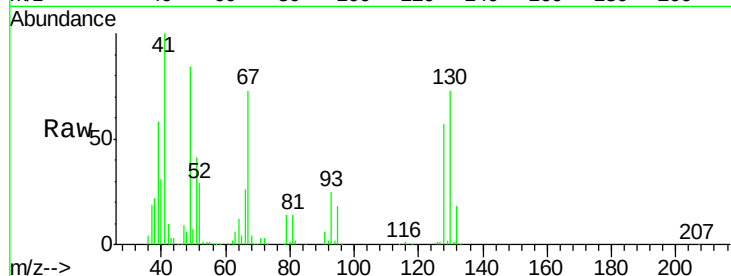




#41
Methacrylonitrile
Concen: 49.153 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

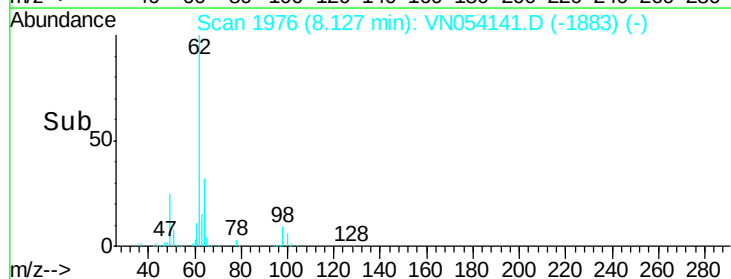
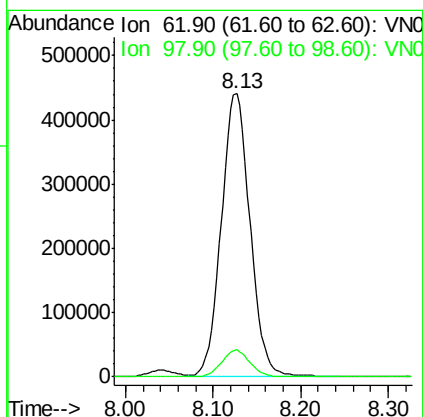
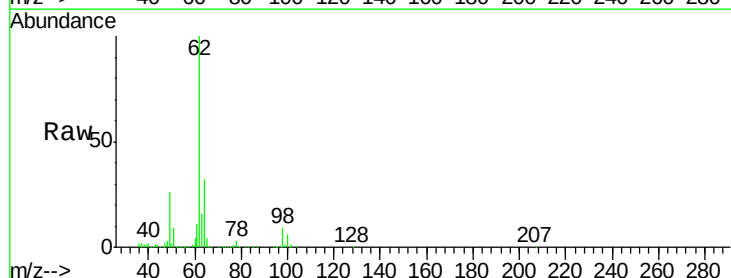
Instrument :
MSVOA_N
ClientSampled :
ICVVN031119

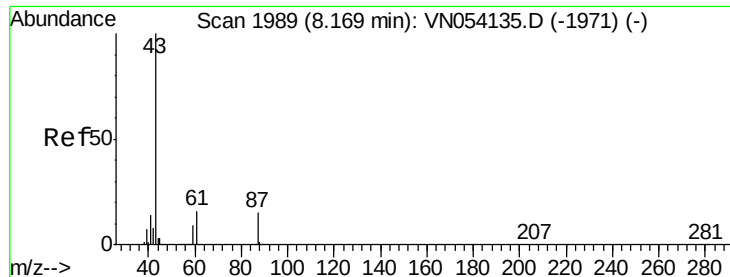
Tot Ion:	41	Resp:	359885
Ion	Ratio	Lower	Upper
41	100		
39	55.7	0.0	0.0#
67	78.7	0.0	0.0#
52	31.9	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 46.609 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion:	62	Resp:	1001354
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 46.940 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

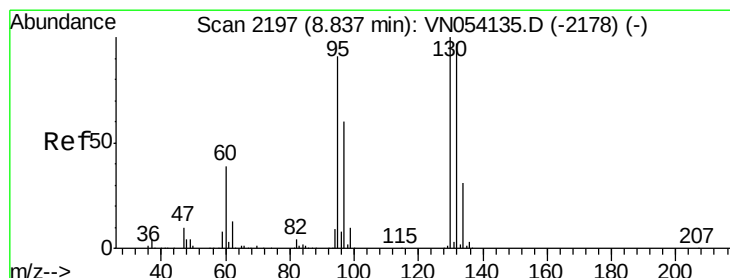
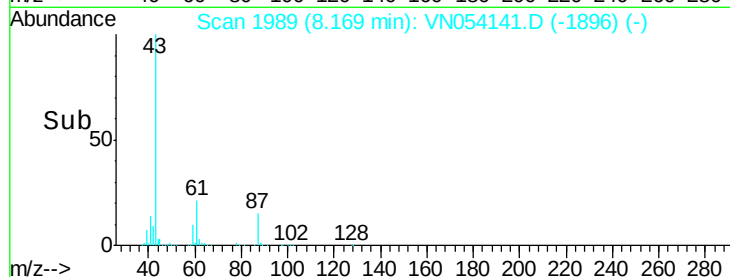
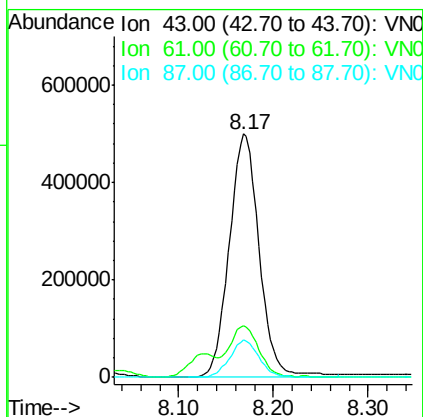
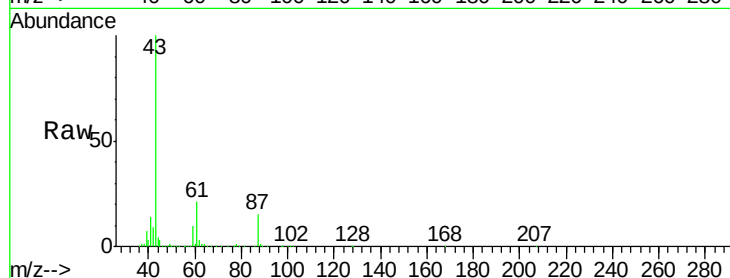
MSVOA_N

ClientSampleId :

ICVVN031119

Tot Ion: 43 Resp: 1097283

Ion	Ratio	Lower	Upper
43	100		
61	20.2	22.5	33.7#
87	15.1	10.1	15.1



#44

Trichloroethene

Concen: 47.916 ug/l

RT: 8.83 min Scan# 2196

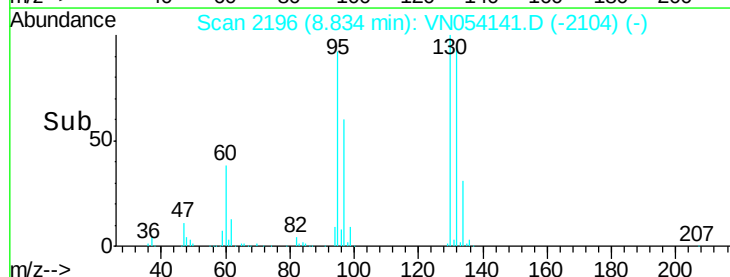
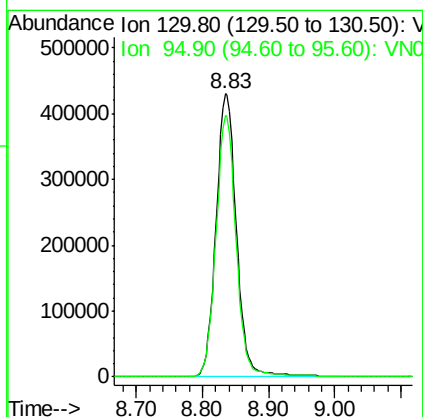
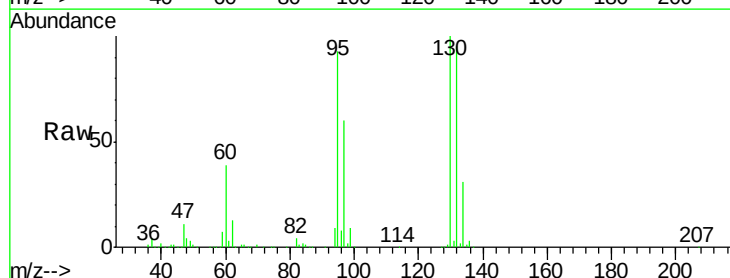
Delta R.T. -0.00 min

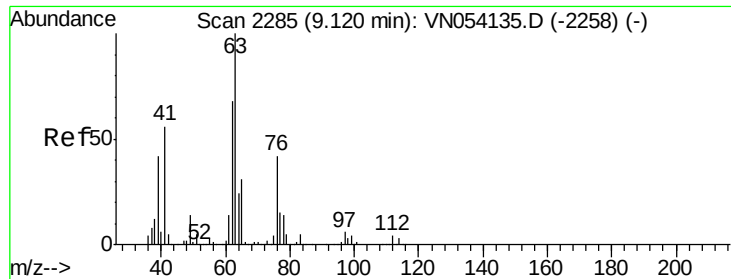
Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Tgt Ion: 130 Resp: 921475

Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	189.4

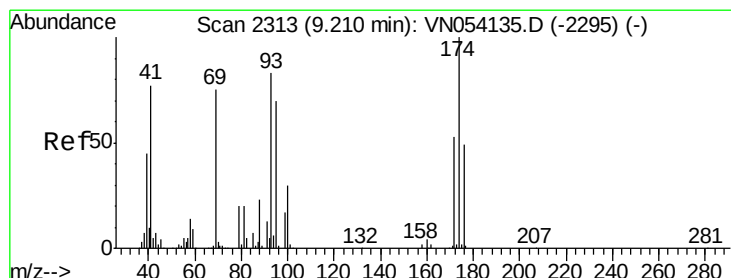
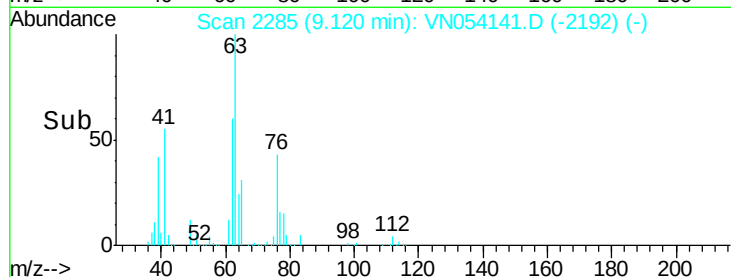
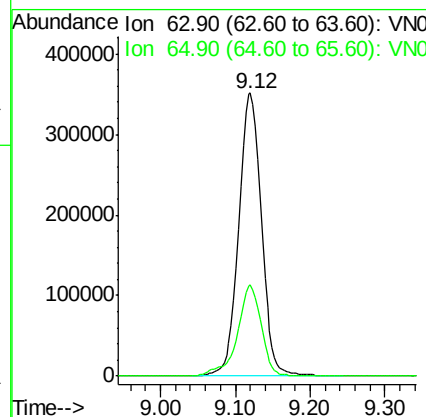
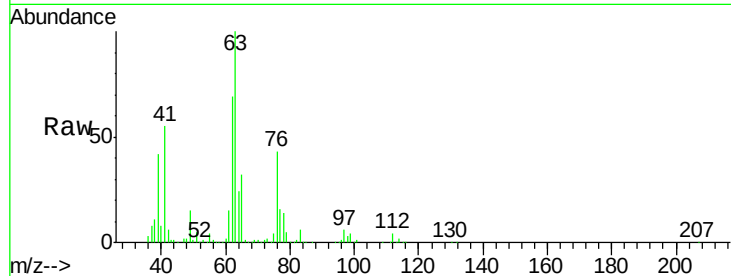




#45
 1,2-Dichloropropane
 Concen: 46.909 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054141.D
 Acq: 11 Mar 2019 15:09

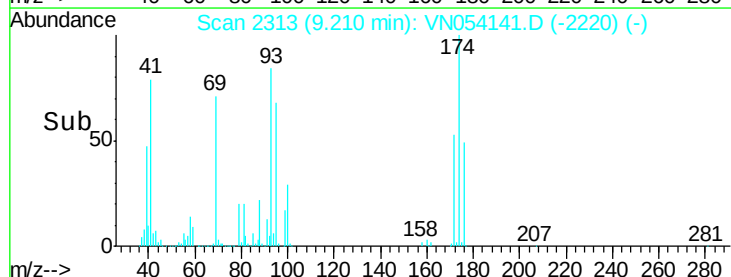
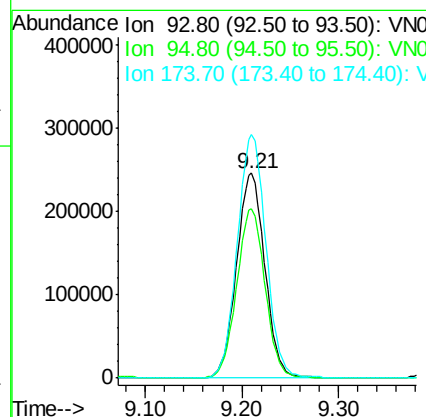
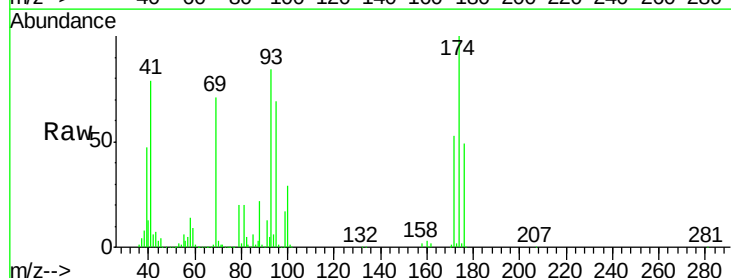
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031119

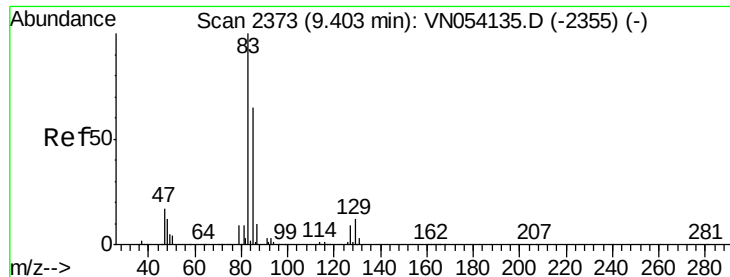
Tot Ion: 63 Resp: 746962
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.6 36.8



#46
 Dibromomethane
 Concen: 46.404 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054141.D
 Acq: 11 Mar 2019 15:09

Tgt Ion: 93 Resp: 501292
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.1 99.1
 174 120.1 86.1 129.1





#47

Bromodichloromethane

Concen: 47.009 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031119

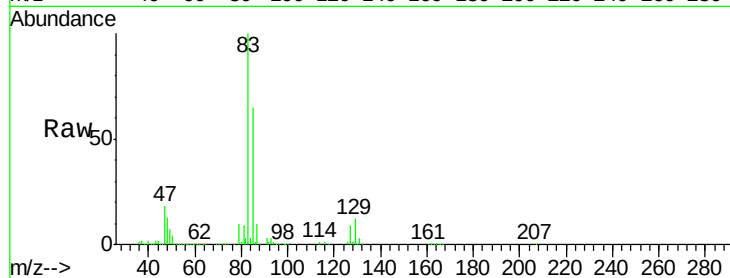
Tot Ion: 83 Resp: 1052674

Ion Ratio Lower Upper

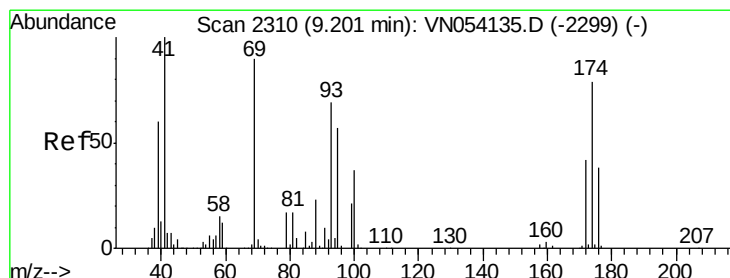
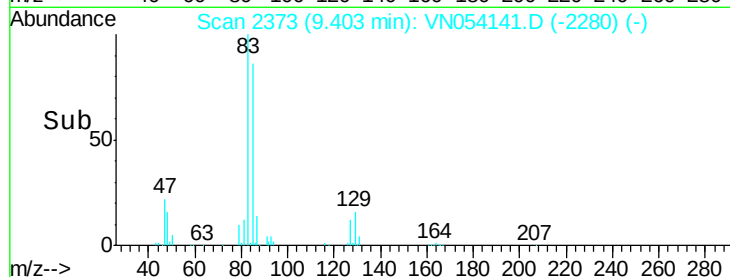
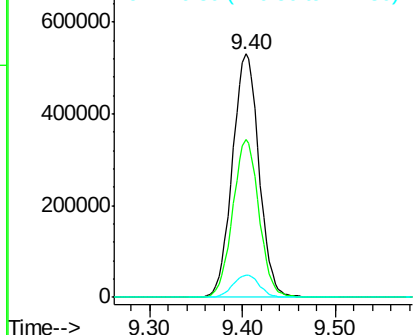
83 100

85 64.9 51.0 76.4

127 9.3 6.5 9.7



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: 44.657 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

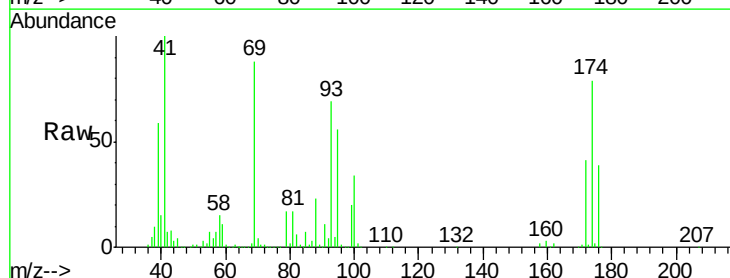
Tgt Ion: 41 Resp: 561226

Ion Ratio Lower Upper

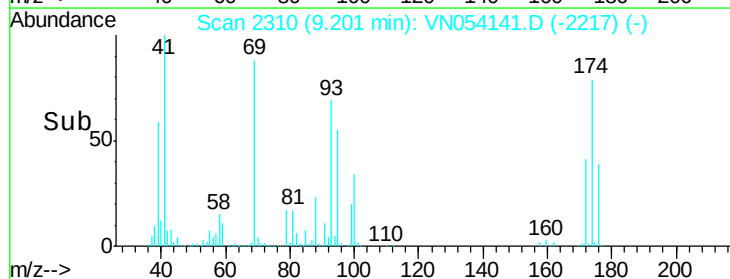
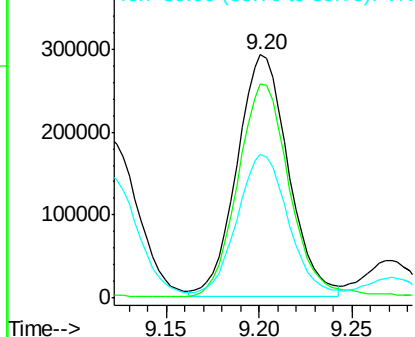
41 100

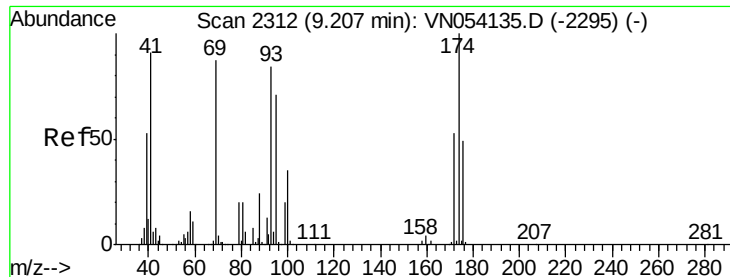
69 89.3 71.0 106.4

39 60.5 43.7 65.5



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: 919.315 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

ICVVN031119

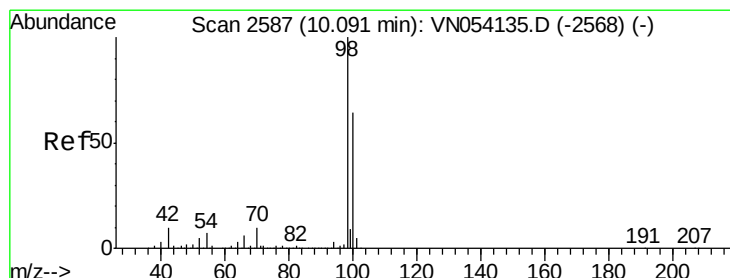
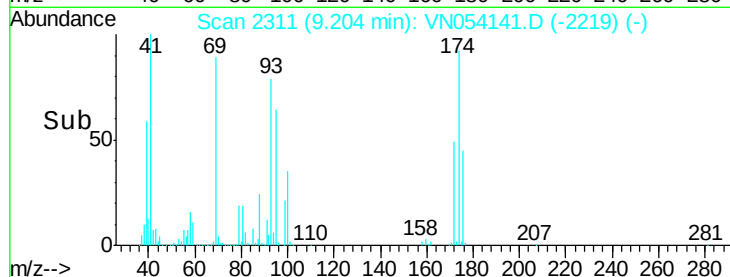
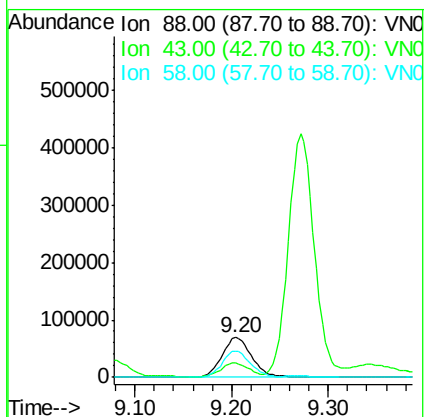
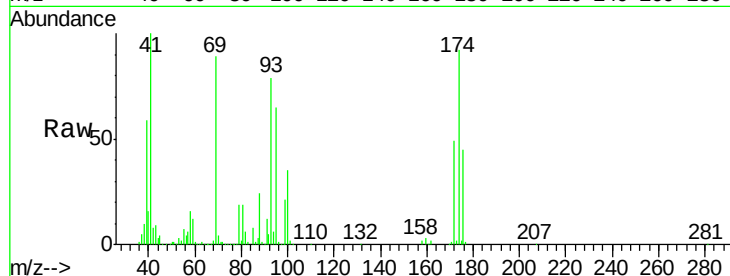
Tot Ion: 88 Resp: 149894

Ion Ratio Lower Upper

88 100

43 30.4 25.5 38.3

58 62.1 58.3 87.5



#50

Toluene-d8

Concen: 50.295 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054141.D

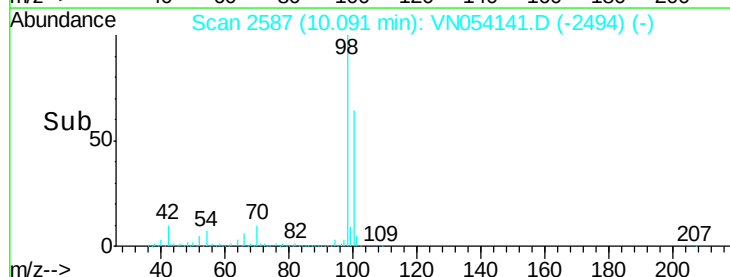
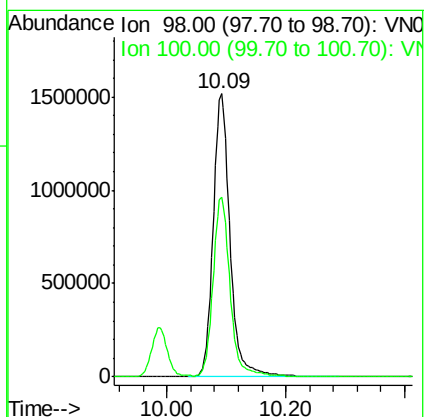
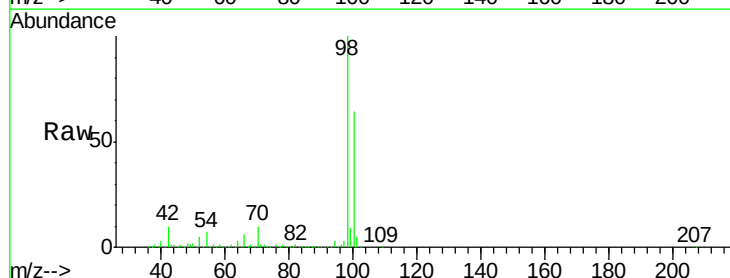
Acq: 11 Mar 2019 15:09

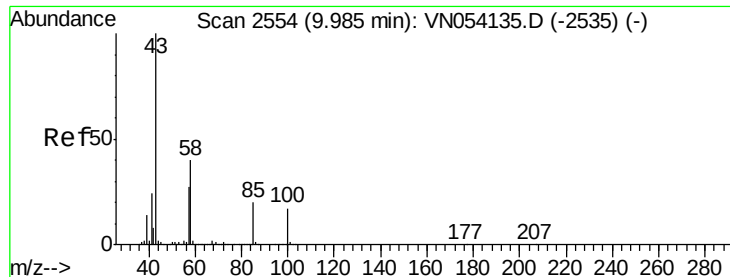
Tgt Ion: 98 Resp: 2978600

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 229.458 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

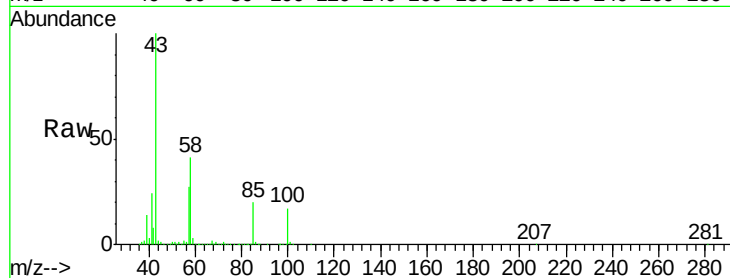
ICVFN031119

Tot Ion: 43 Resp: 2877029

Ion Ratio Lower Upper

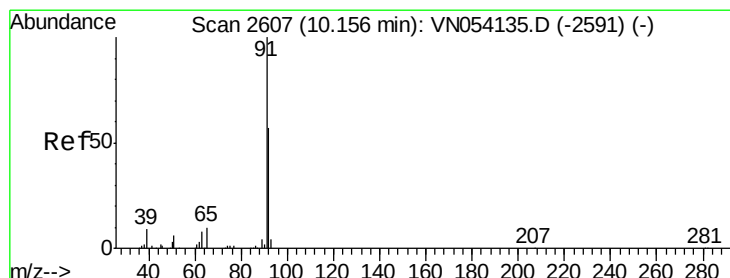
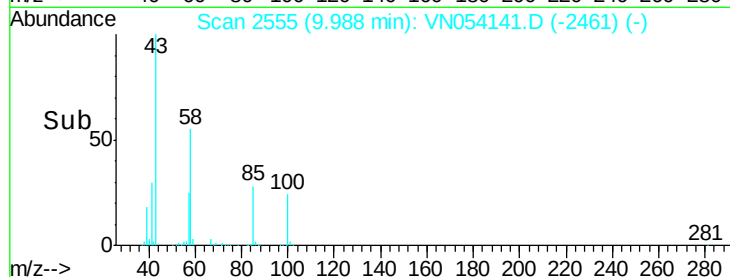
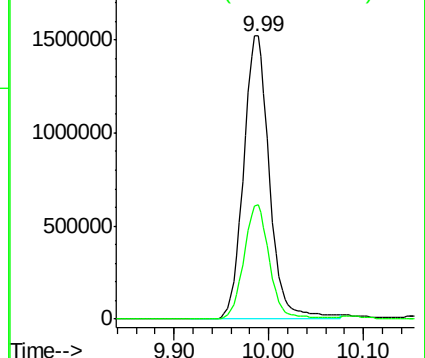
43 100

58 40.0 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 47.423 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054141.D

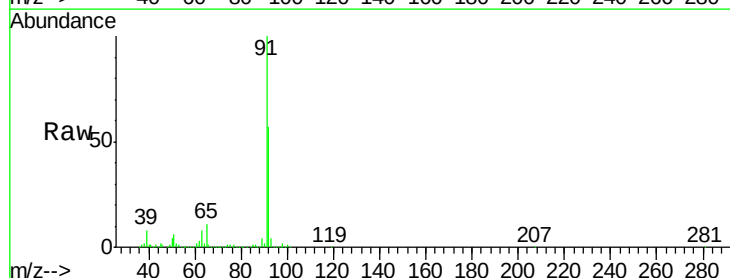
Acq: 11 Mar 2019 15:09

Tgt Ion: 92 Resp: 1892123

Ion Ratio Lower Upper

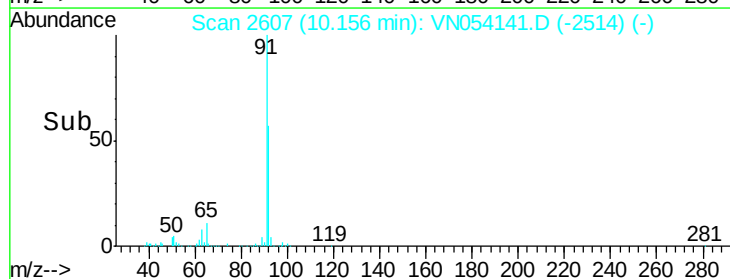
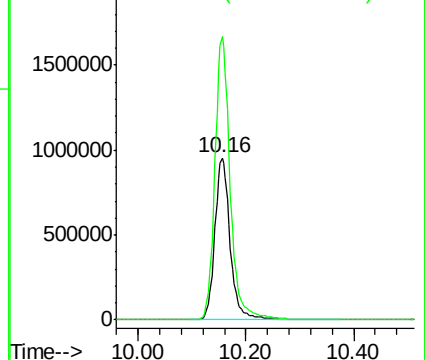
92 100

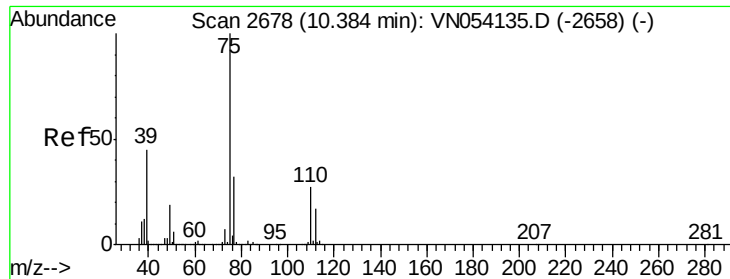
91 174.5 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 47.791 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

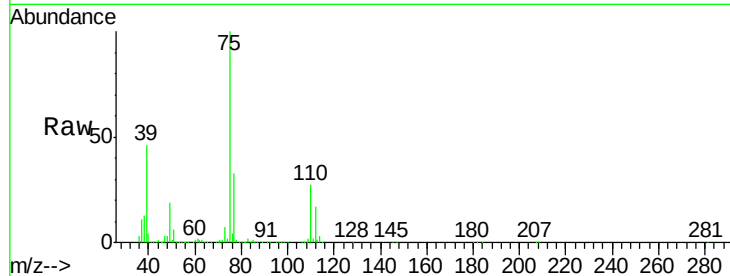
ICV031119

Tot Ion: 75 Resp: 1089679

Ion Ratio Lower Upper

75 100

77 32.6 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

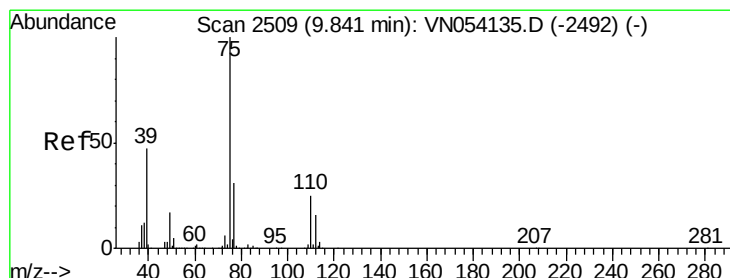
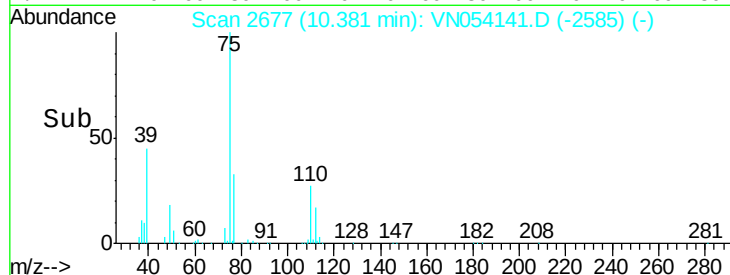
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.993 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

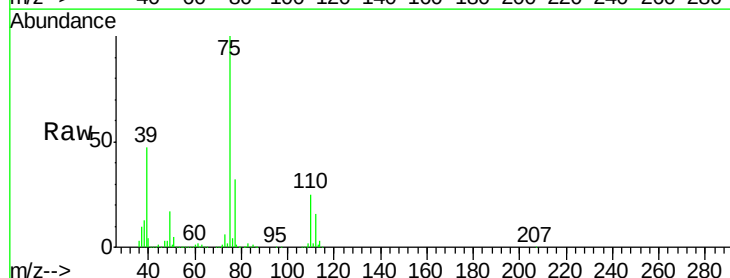
Tgt Ion: 75 Resp: 1228913

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

39 46.6 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

800000

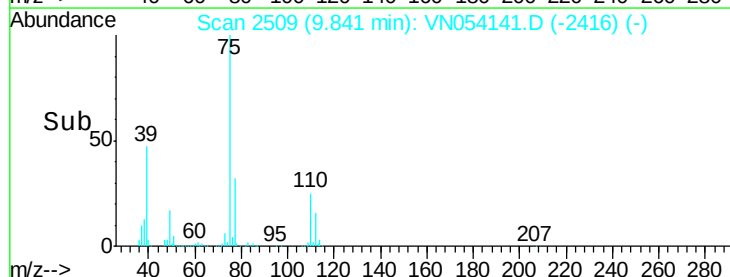
600000

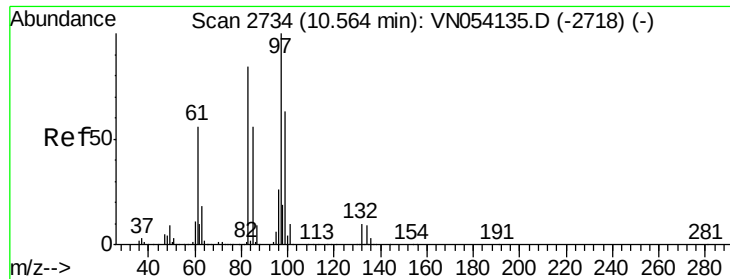
400000

200000

0

Time-->

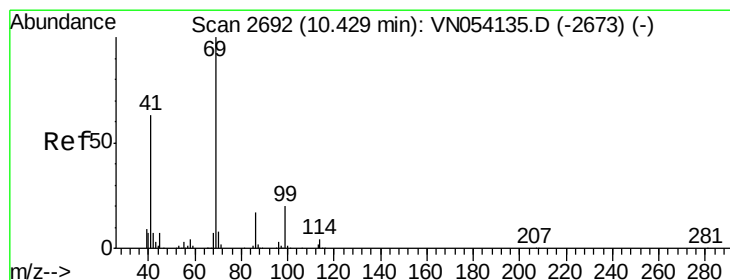
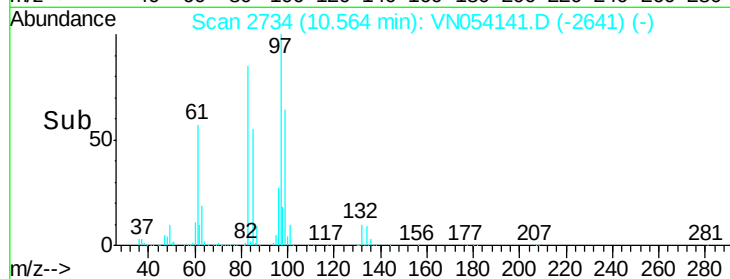
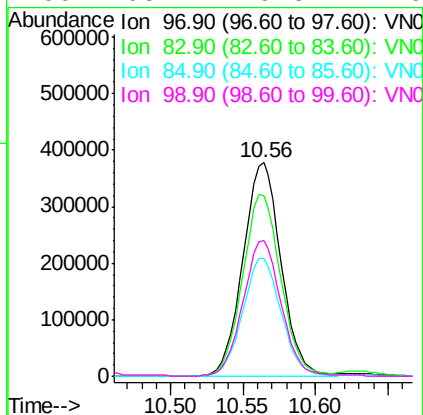
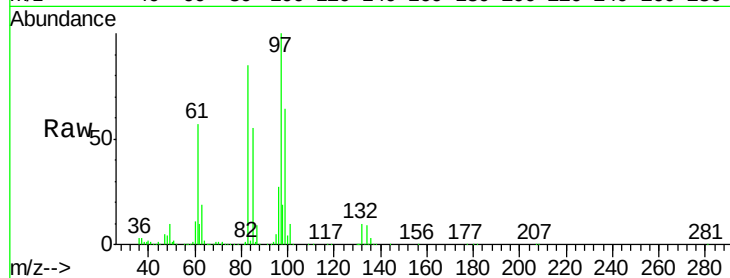




#55
 1,1,2-Trichloroethane
 Concen: 45.897 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN054141.D
 Acq: 11 Mar 2019 15:09

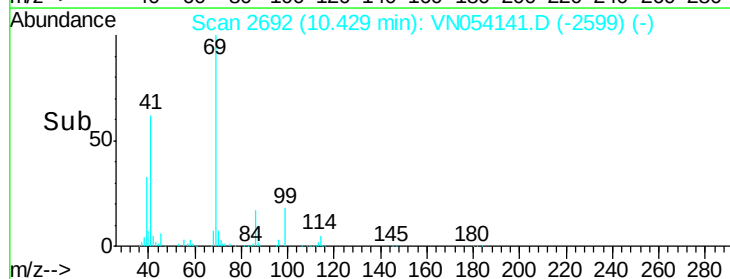
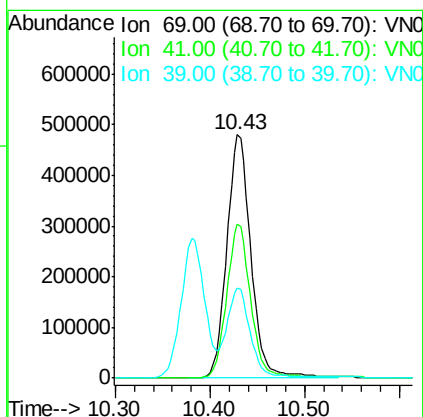
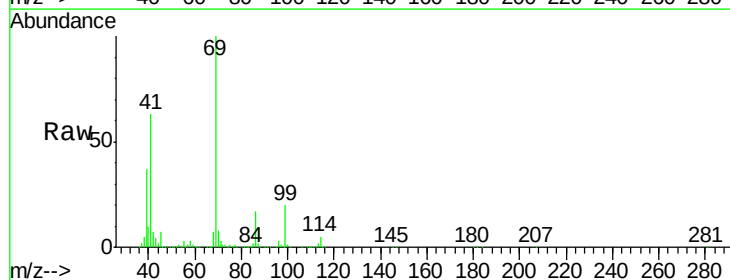
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN031119

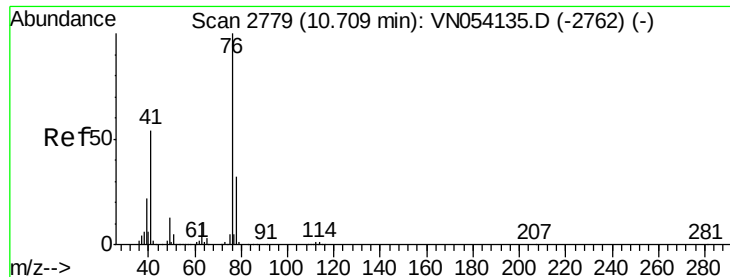
Tot Ion:	97	Resp:	690375
Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.8	104.6
85	55.1	45.0	67.4
99	63.4	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 46.314 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054141.D
 Acq: 11 Mar 2019 15:09

Tgt Ion:	69	Resp:	852697
Ion	Ratio	Lower	Upper
69	100		
41	61.9	53.4	80.2
39	35.8	25.6	38.4





#57

1,3-Dichloropropane

Concen: 47.091 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

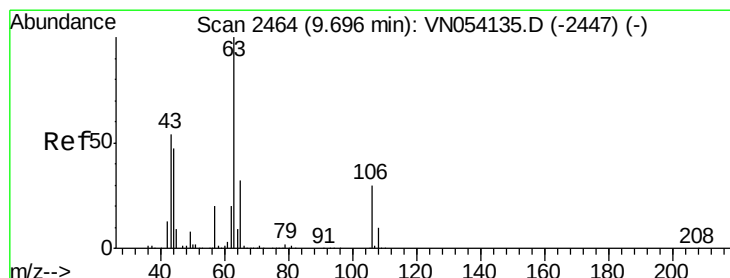
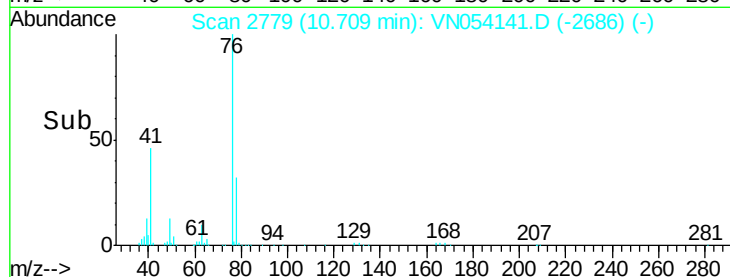
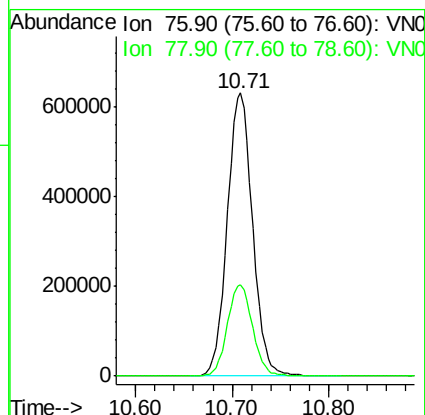
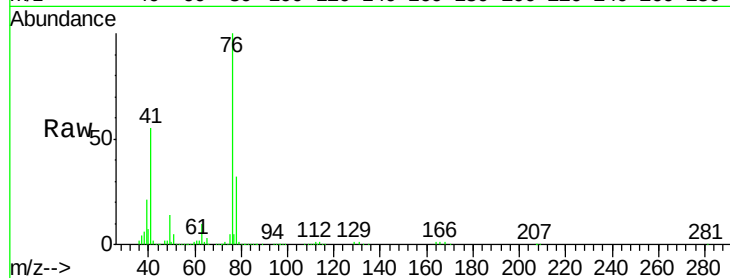
ICVFN031119

Tot Ion: 76 Resp: 1146558

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 244.854 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054141.D

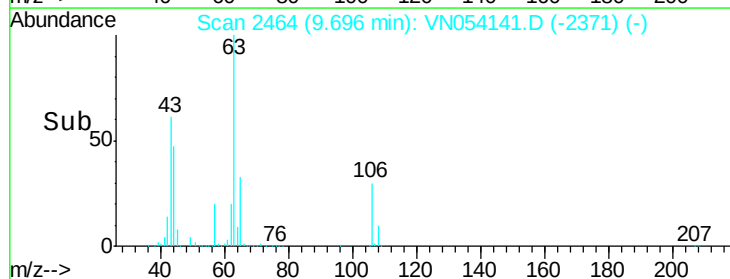
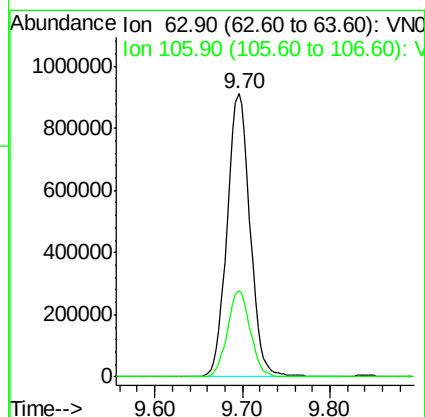
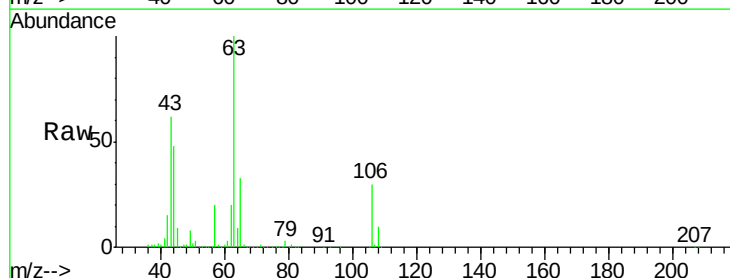
Acq: 11 Mar 2019 15:09

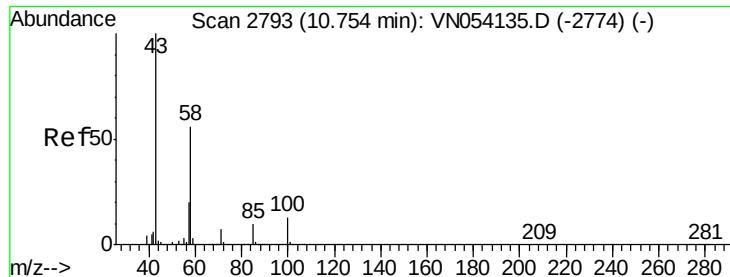
Tgt Ion: 63 Resp: 1664438

Ion Ratio Lower Upper

63 100

106 30.2 20.2 30.2

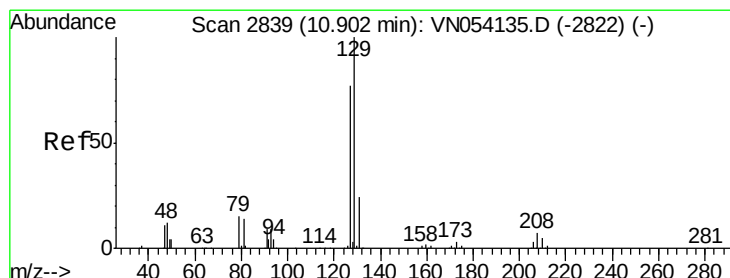
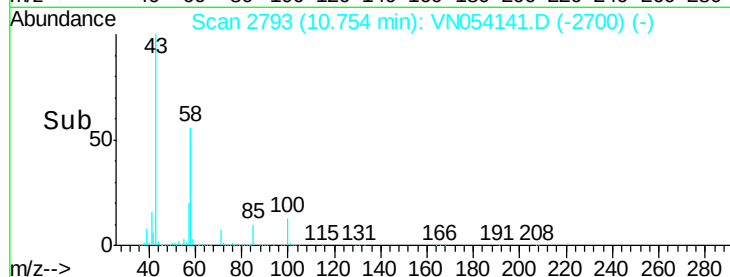
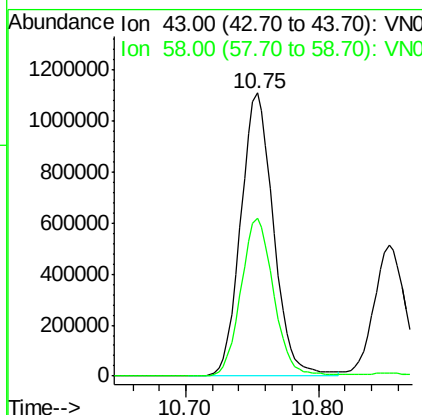
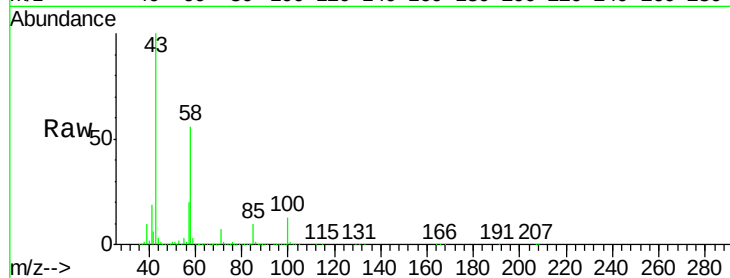




#59
2-Hexanone
Concen: 228.221 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

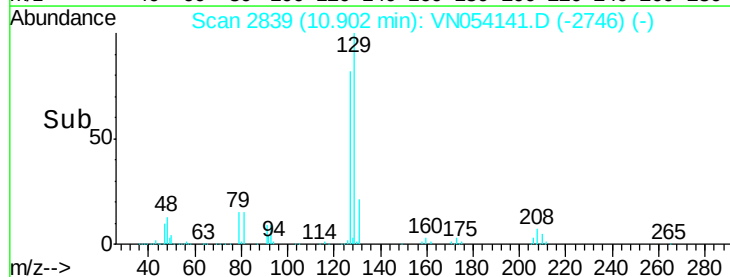
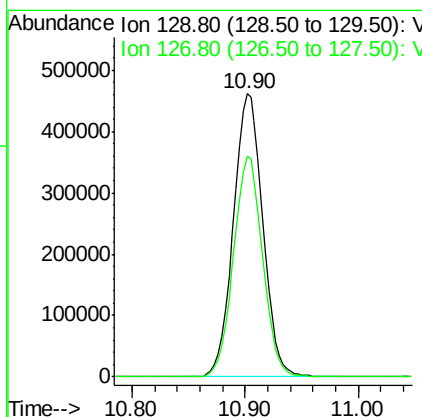
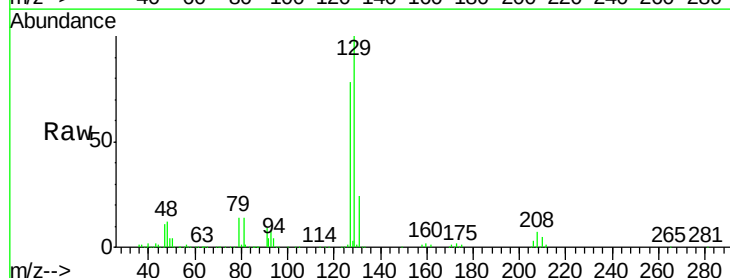
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031119

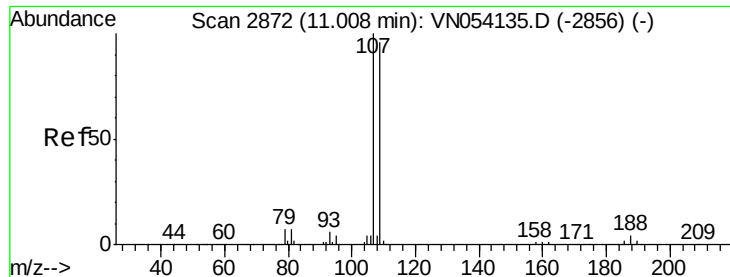
Tot Ion: 43 Resp: 1899041
Ion Ratio Lower Upper
43 100
58 56.2 27.0 81.0



#60
Dibromochloromethane
Concen: 47.935 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion: 129 Resp: 835211
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.4





#61

1,2-Dibromoethane

Concen: 47.000 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

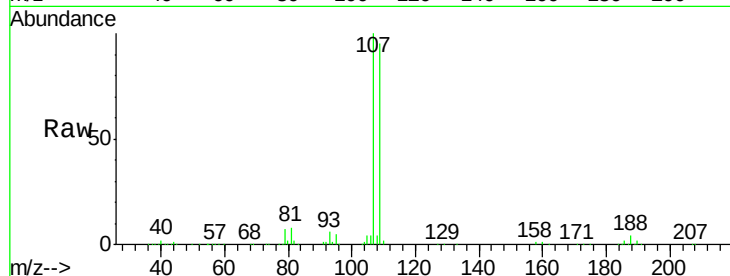
ICVVN031119

Tot Ion:107 Resp: 710441

Ion Ratio Lower Upper

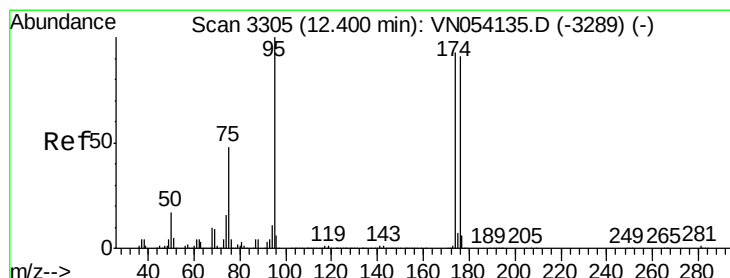
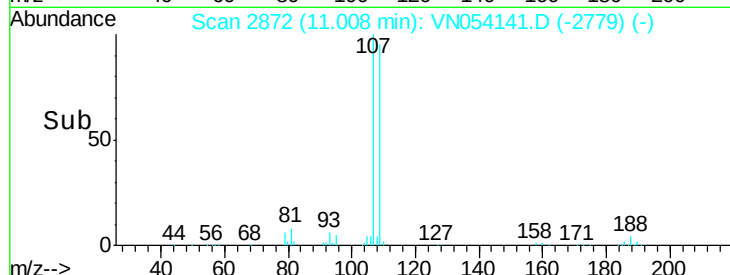
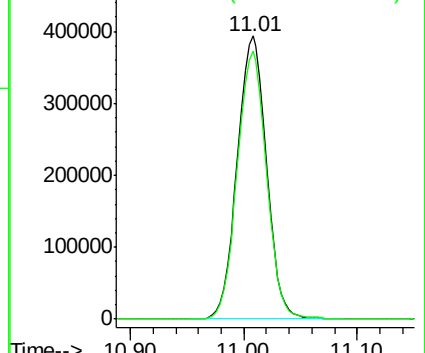
107 100

109 95.0 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.361 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

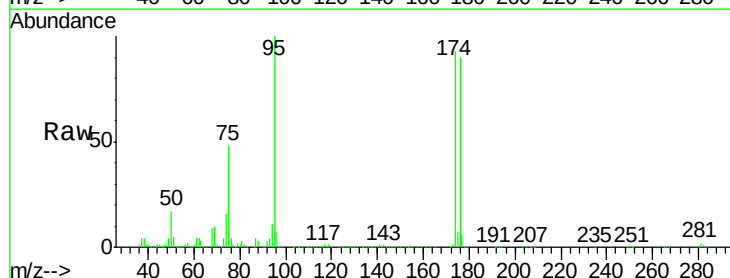
Tgt Ion: 95 Resp: 1044185

Ion Ratio Lower Upper

95 100

174 94.4 0.0 173.2

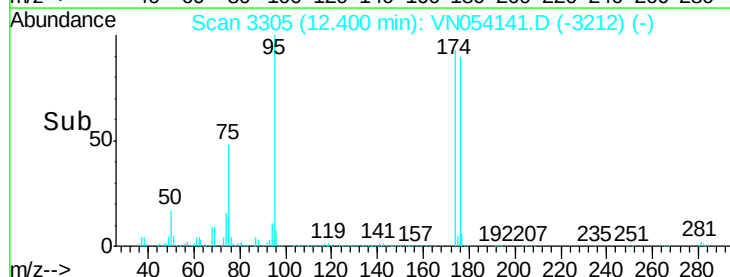
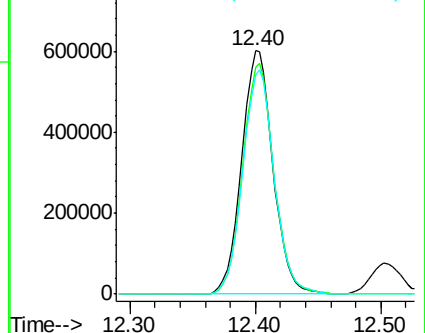
176 92.5 0.0 168.8

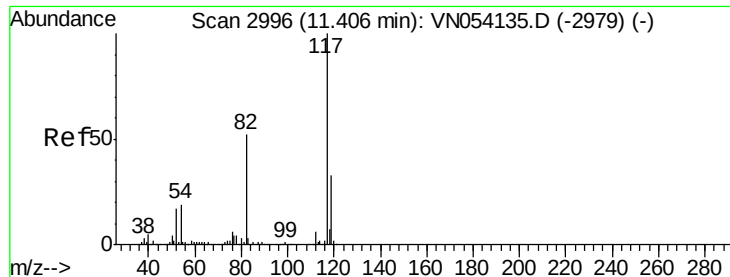


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

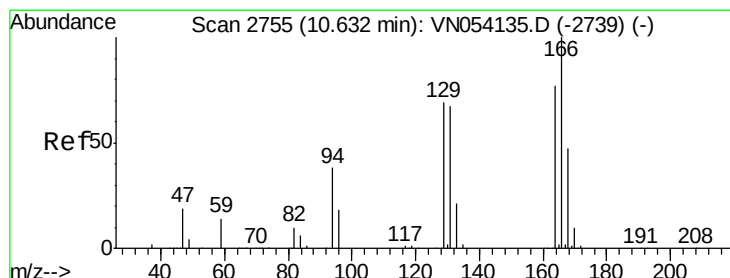
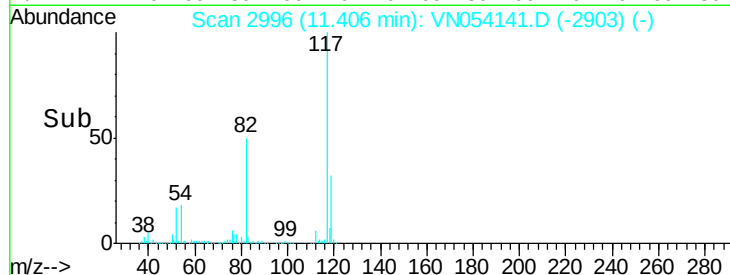
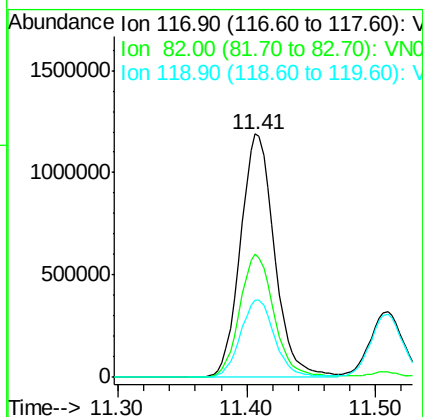
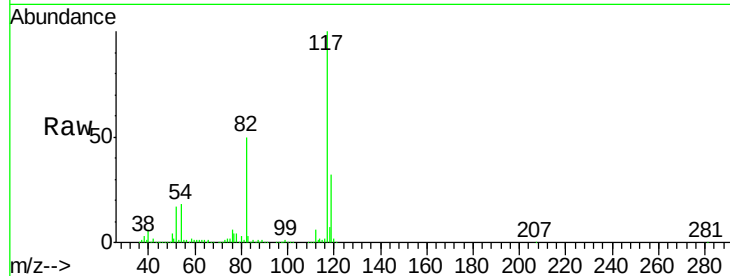




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

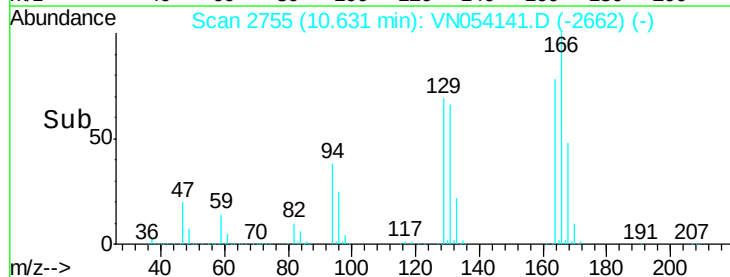
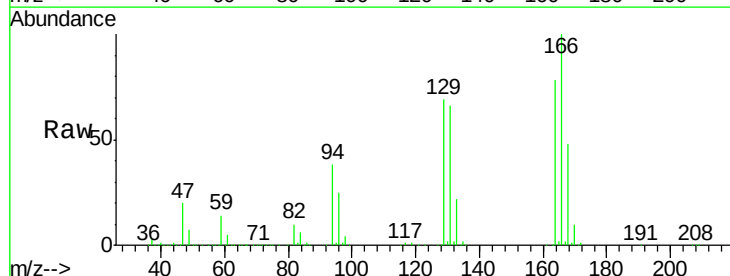
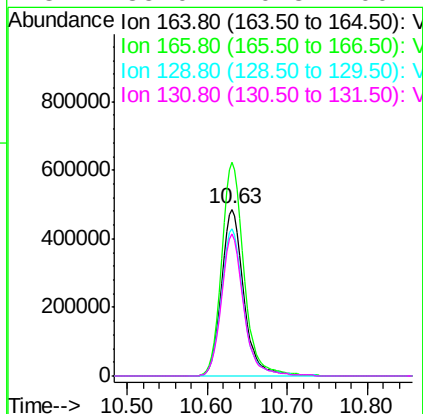
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031119

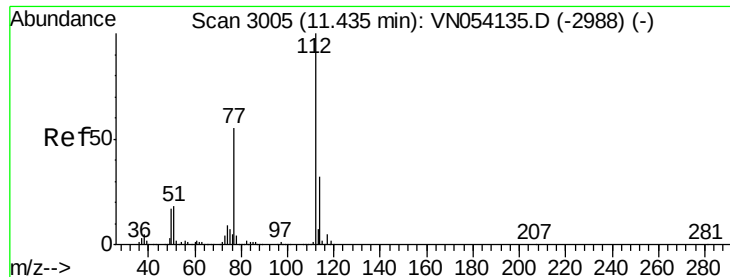
Tot Ion:117 Resp: 2188785
Ion Ratio Lower Upper
117 100
82 50.4 43.4 65.2
119 31.7 26.0 39.0



#64
Tetrachloroethene
Concen: 46.611 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion:164 Resp: 939369
Ion Ratio Lower Upper
164 100
166 128.2 101.3 151.9
129 88.2 73.2 109.8
131 85.0 70.8 106.2

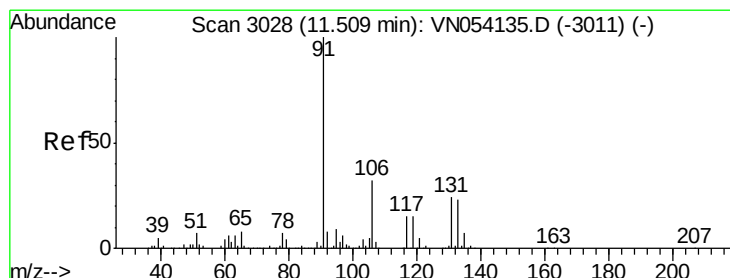
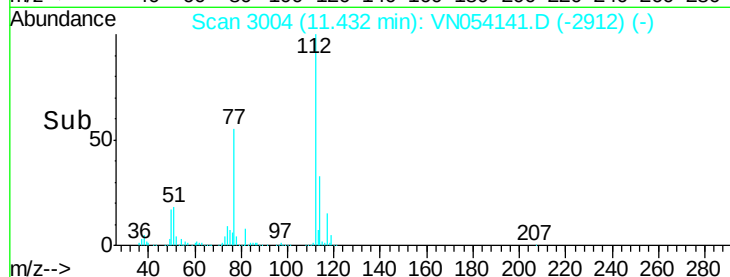
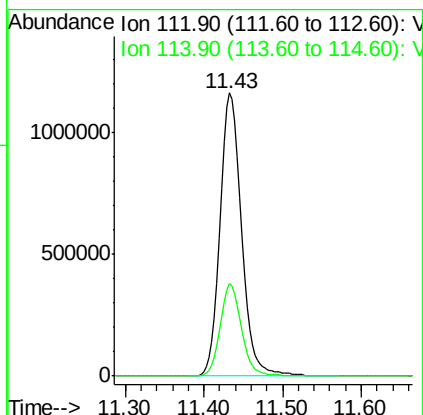
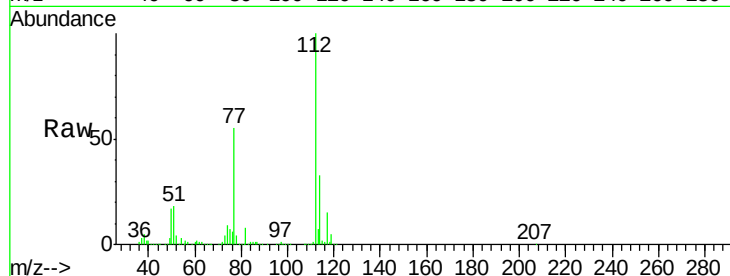




#65
Chlorobenzene
Concen: 47.306 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

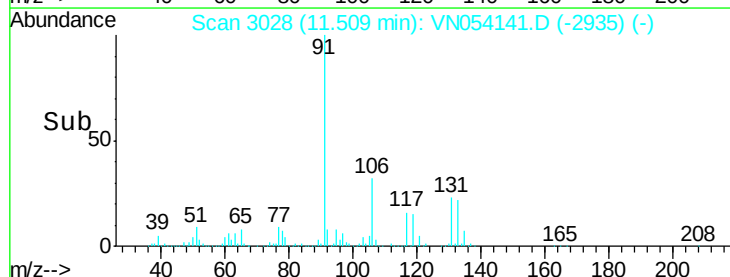
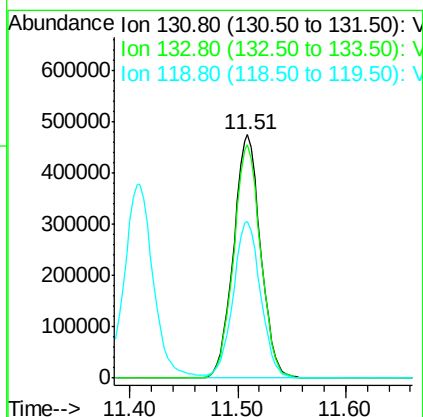
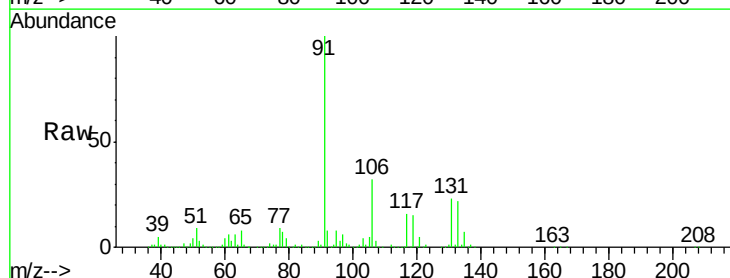
Instrument :
MSVOA_N
ClientSampled :
ICVFN031119

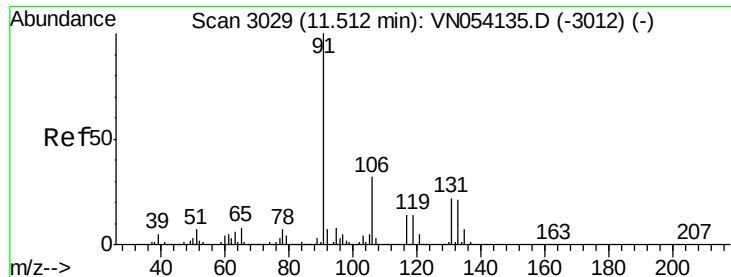
Tot Ion:112 Resp: 2193887
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 47.600 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion:131 Resp: 830469
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 65.5 33.8 101.3

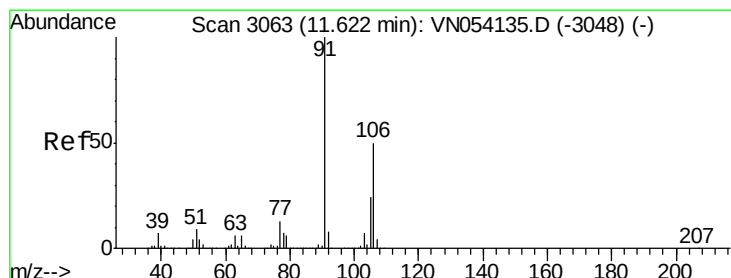
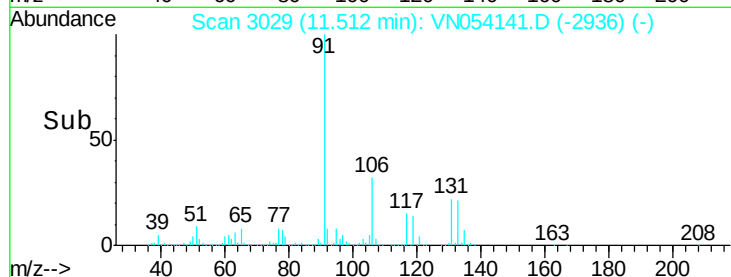
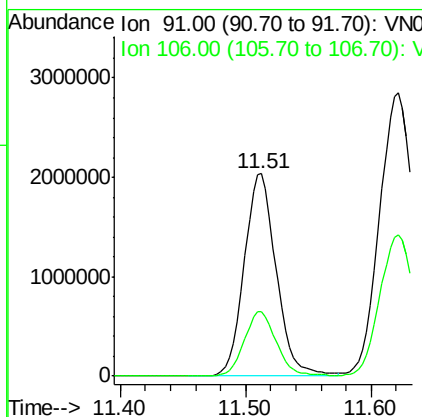
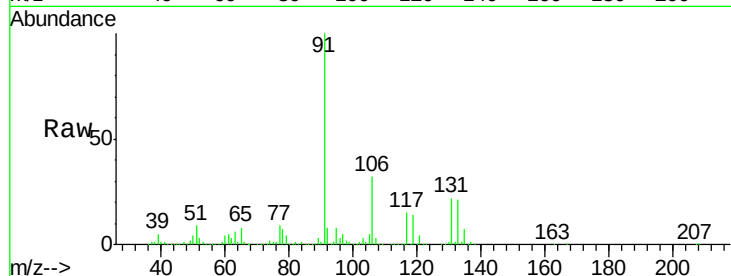




#67
Ethyl Benzene
Concen: 47.086 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

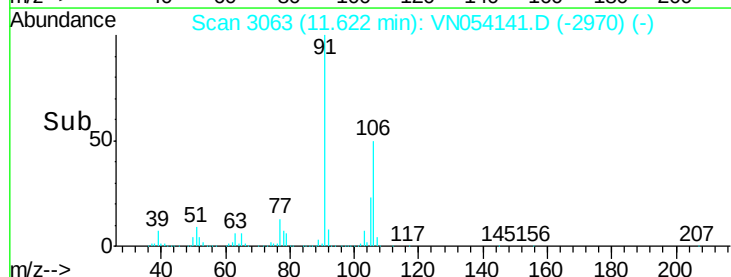
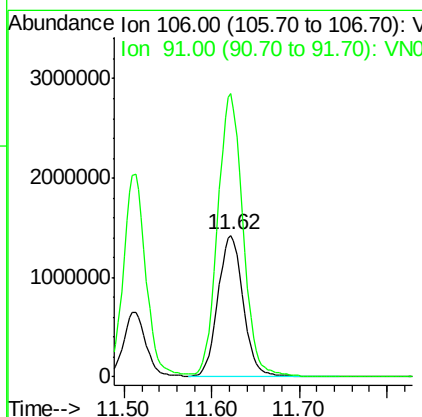
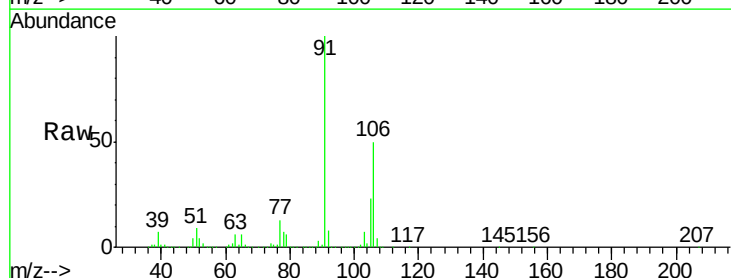
Instrument :
MSVOA_N
ClientSampled :
ICVVN031119

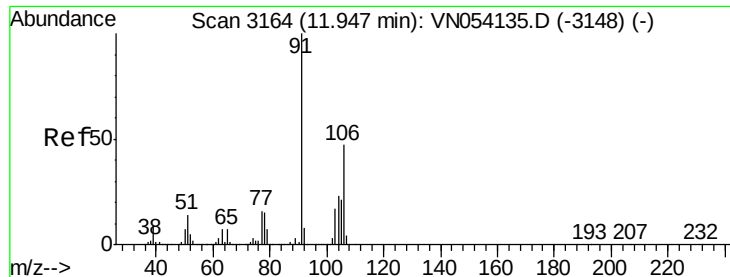
Tot Ion: 91 Resp: 3629889
Ion Ratio Lower Upper
91 100
106 31.9 24.6 36.8



#68
m/p-Xylenes
Concen: 95.112 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion: 106 Resp: 2867341
Ion Ratio Lower Upper
106 100
91 200.5 163.2 244.8





#69

o-Xylene

Concen: 47.395 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

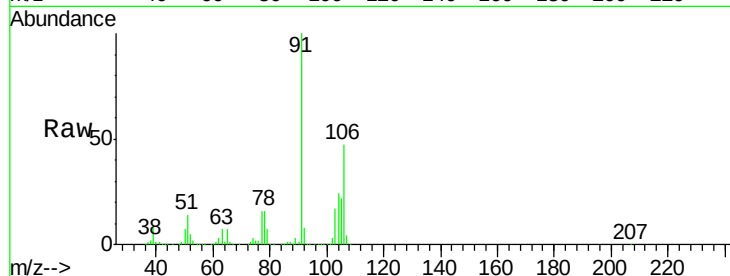
ICVVN031119

Tot Ion:106 Resp: 1402499

Ion Ratio Lower Upper

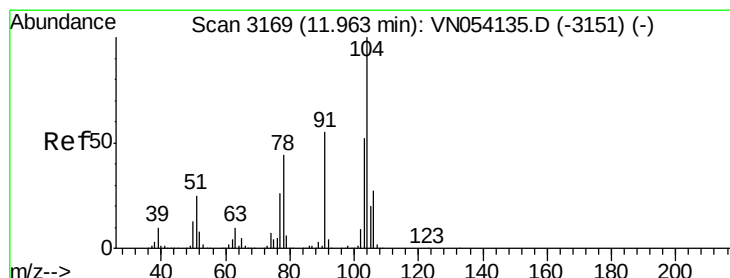
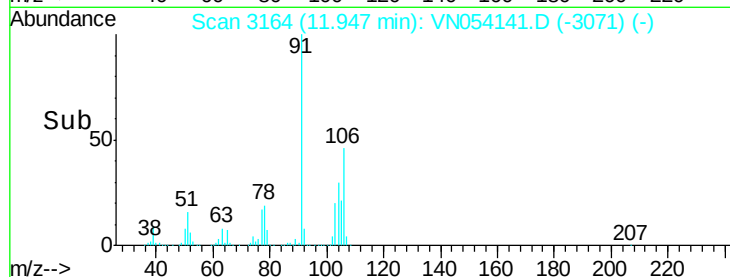
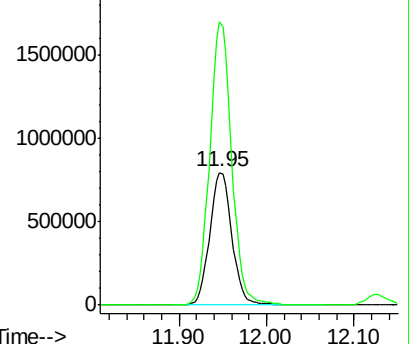
106 100

91 210.8 107.1 321.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 48.691 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

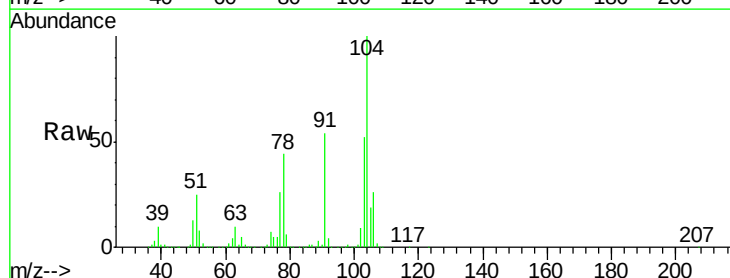
Tgt Ion:104 Resp: 2232008

Ion Ratio Lower Upper

104 100

78 48.1 39.4 59.0

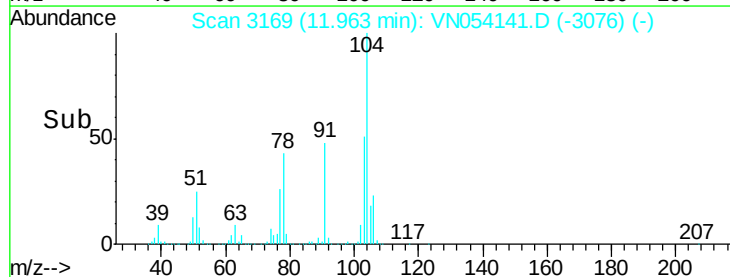
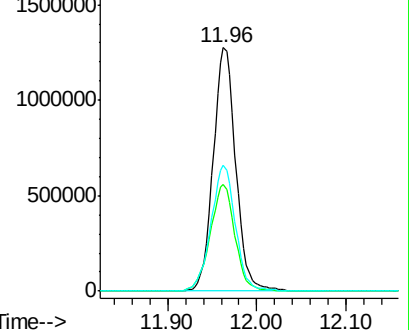
103 55.9 44.7 67.1

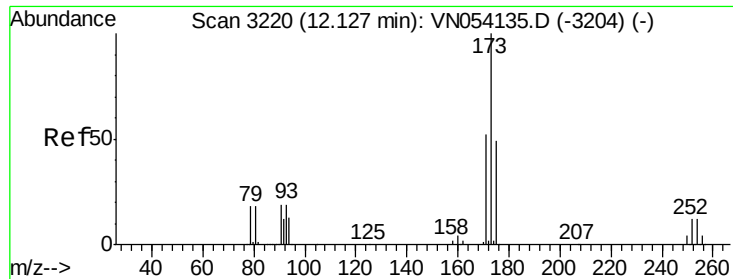


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.690 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031119

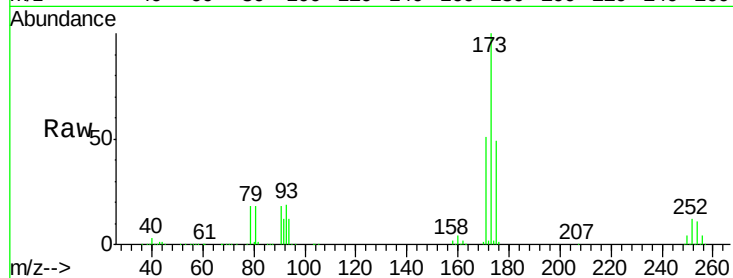
Tot Ion:173 Resp: 588712

Ion Ratio Lower Upper

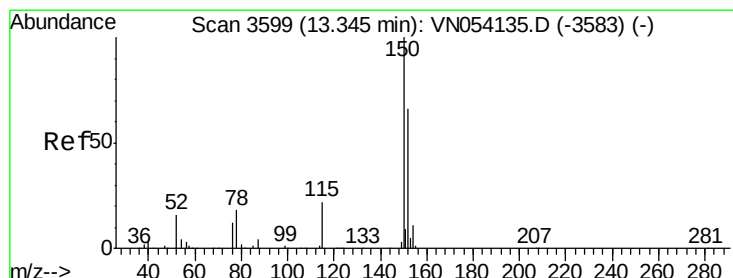
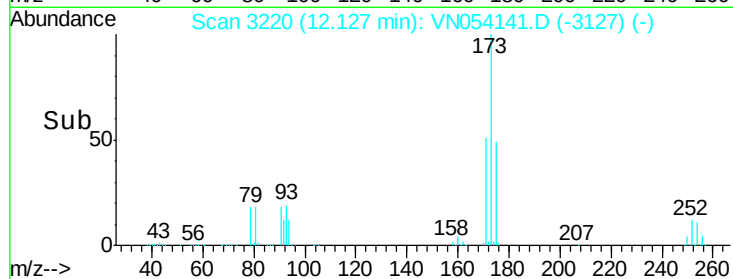
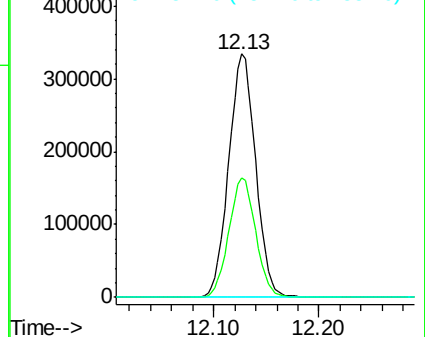
173 100

175 48.9 24.1 72.2

254 0.2 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

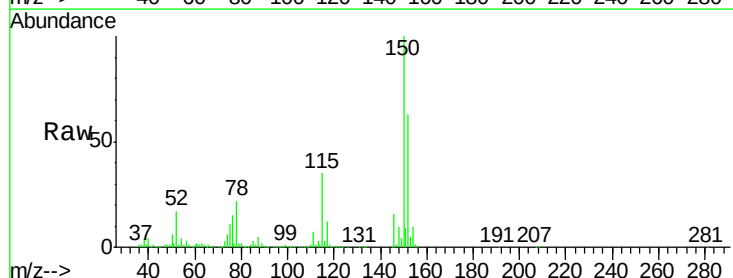
Tgt Ion:152 Resp: 1068495

Ion Ratio Lower Upper

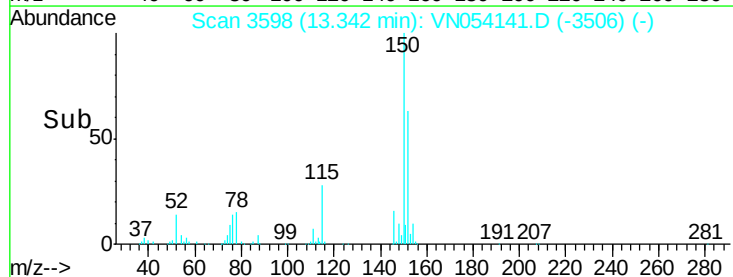
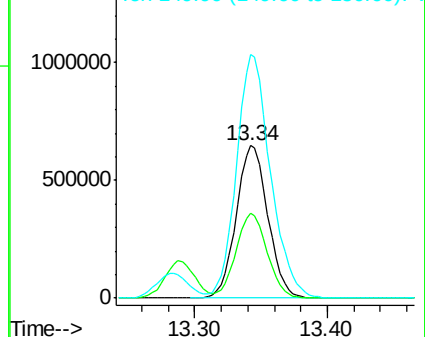
152 100

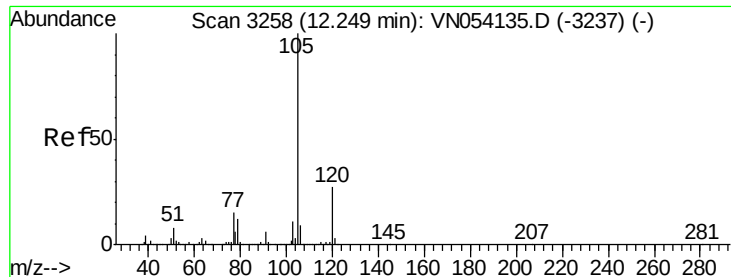
115 55.0 28.5 85.6

150 172.2 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.304 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

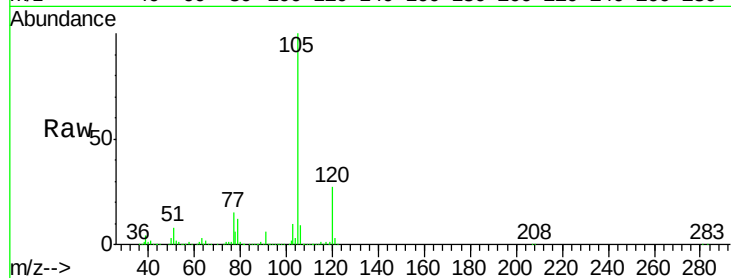
ICVVN031119

Tot Ion:105 Resp: 3765275

Ion Ratio Lower Upper

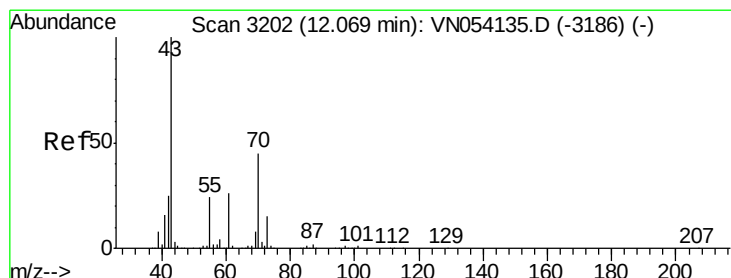
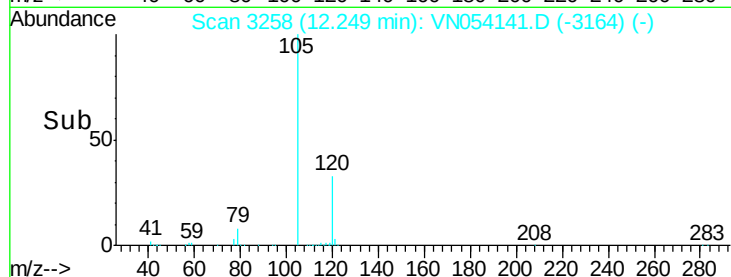
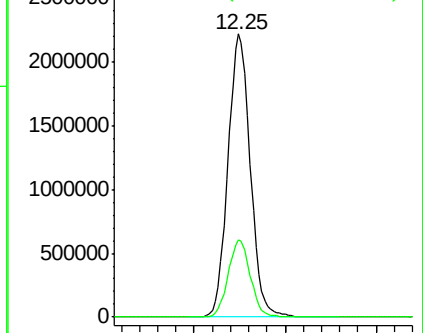
105 100

120 27.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.035 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Tgt Ion: 43 Resp: 891112

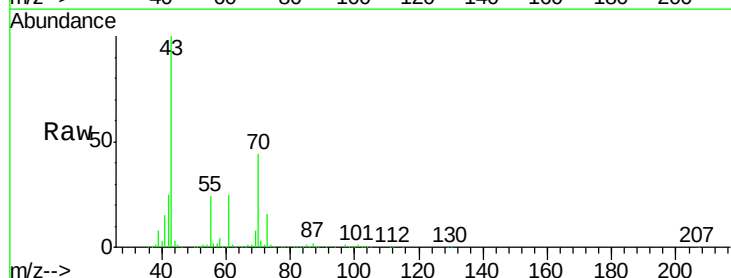
Ion Ratio Lower Upper

43 100

70 44.8 33.6 50.4

55 24.4 20.6 31.0

61 25.1 19.4 29.2

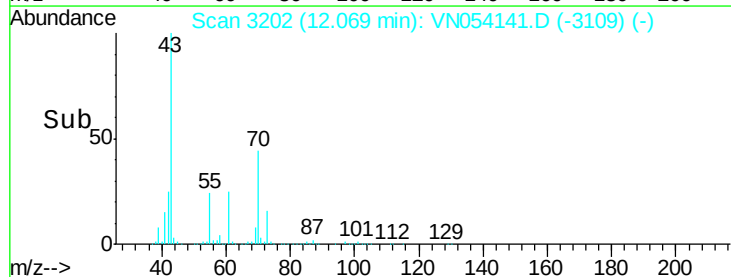
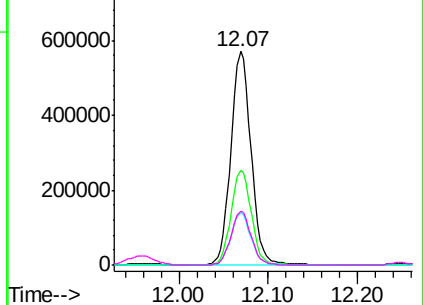


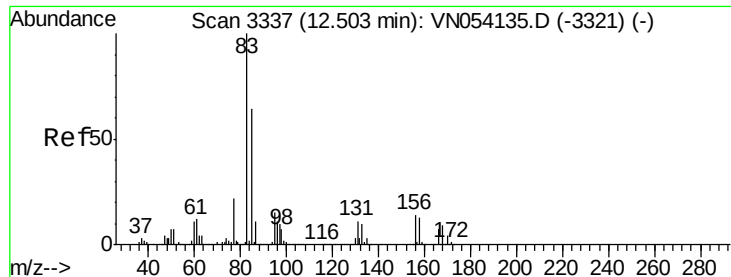
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.090 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031119

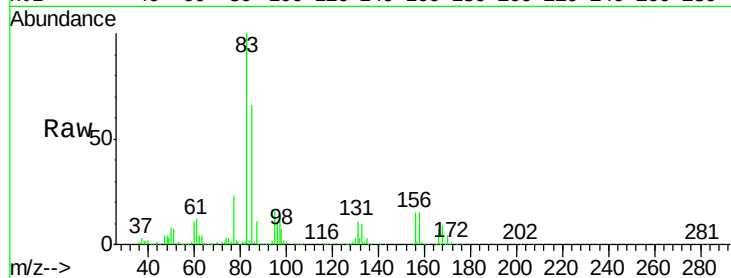
Tot Ion: 83 Resp: 810847

Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.0	14.9
85	64.7	32.4	97.0

83 100

131 11.5 5.0 14.9

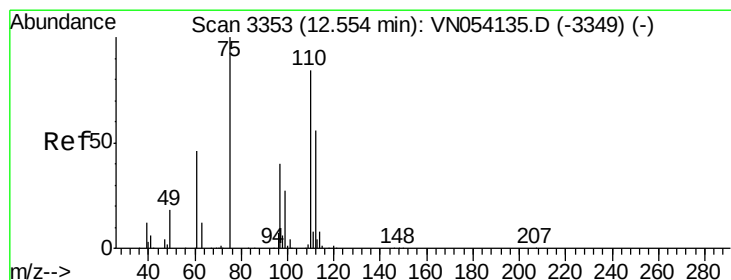
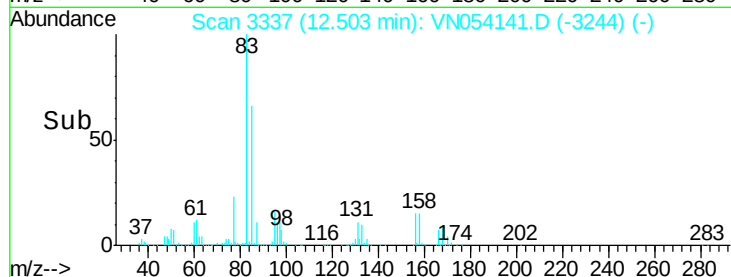
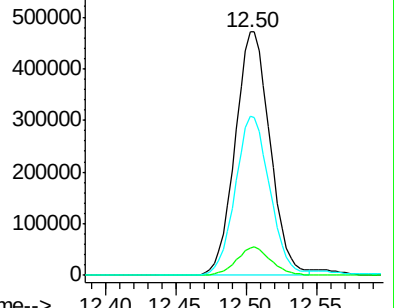
85 64.7 32.4 97.0



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: 68.847 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054141.D

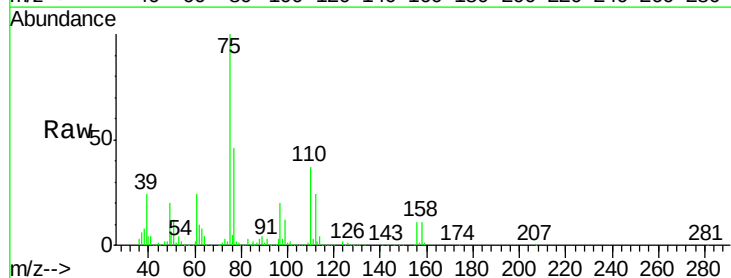
Acq: 11 Mar 2019 15:09

Tgt Ion: 75 Resp: 1038833

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

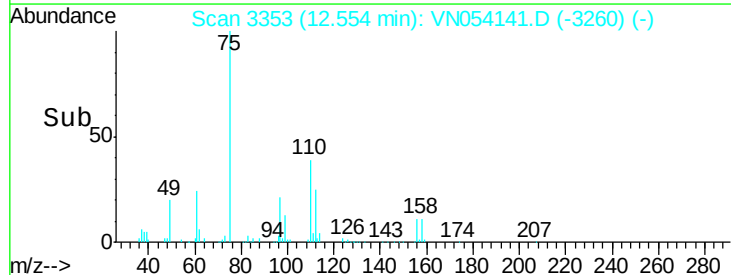
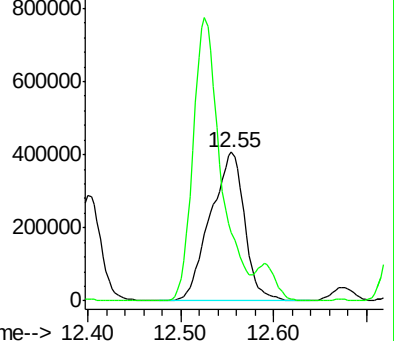
75 100

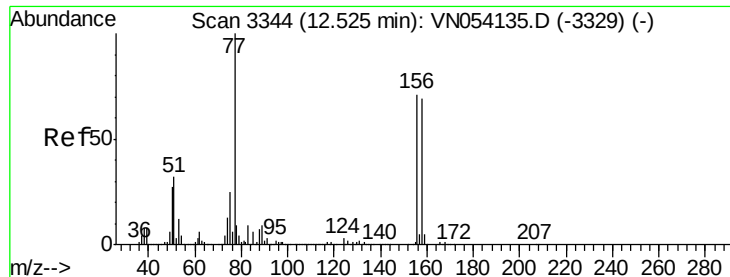
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 44.403 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031119

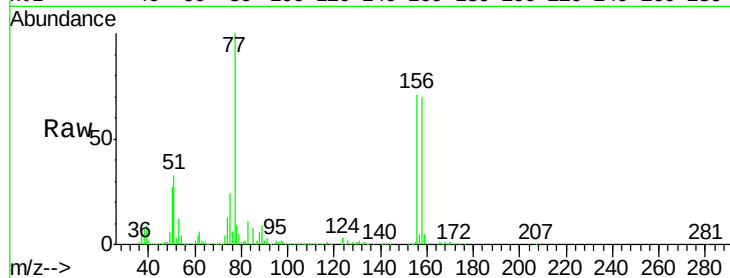
Tot Ion:156 Resp: 982251

Ion Ratio Lower Upper

156 100

77 164.7 93.6 280.8

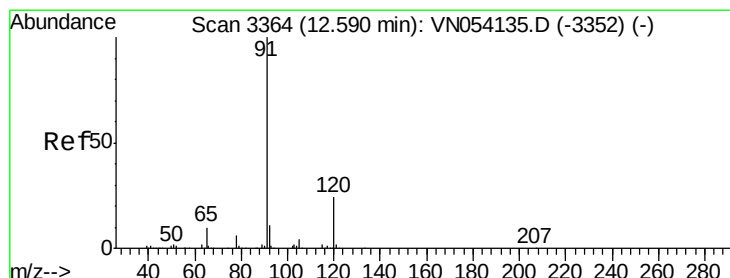
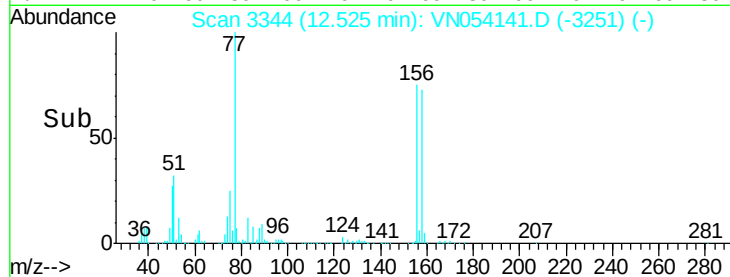
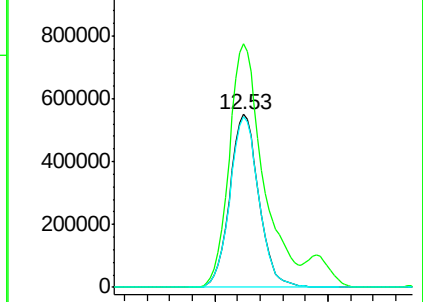
158 98.6 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.450 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054141.D

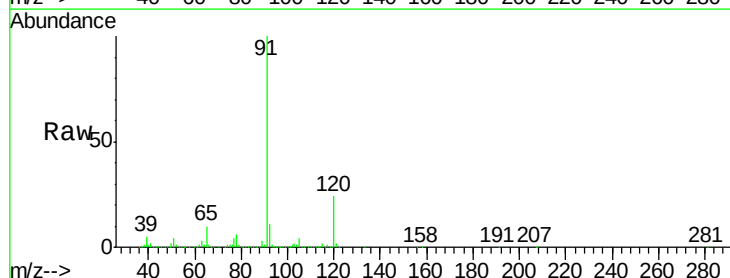
Acq: 11 Mar 2019 15:09

Tgt Ion: 91 Resp: 4224226

Ion Ratio Lower Upper

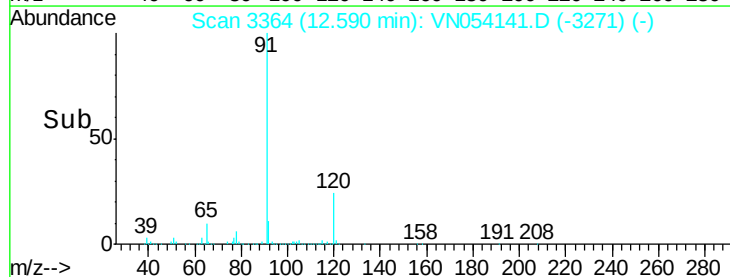
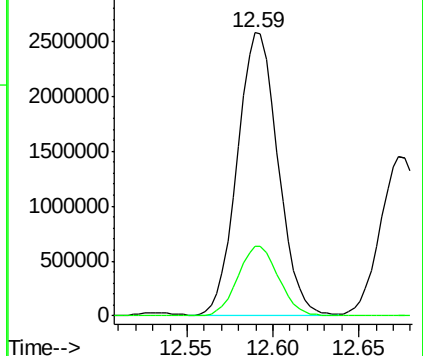
91 100

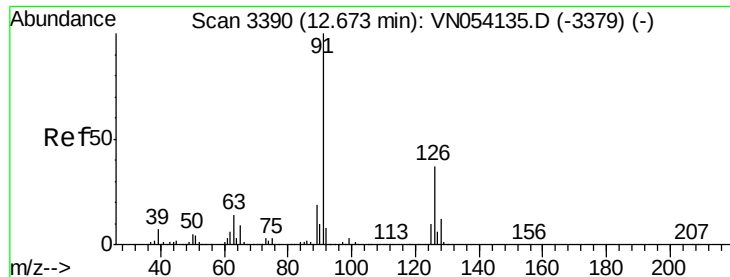
120 24.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

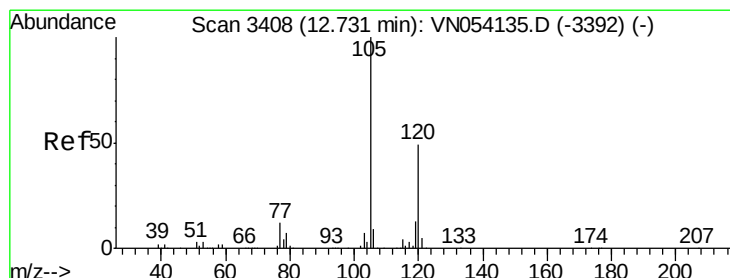
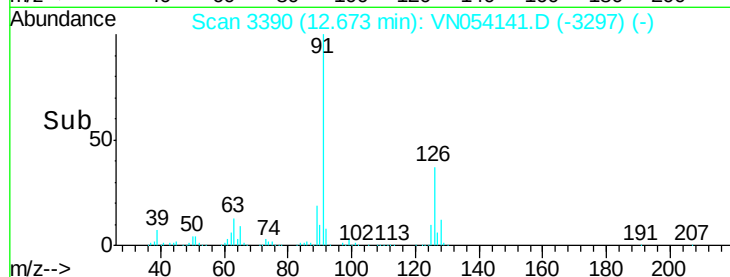
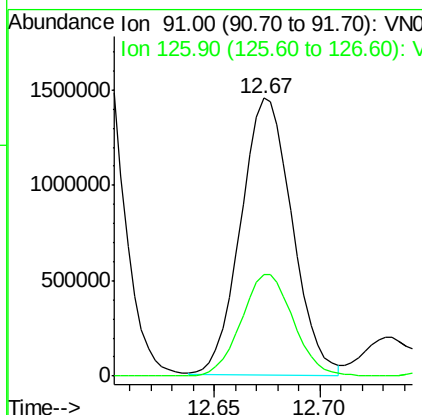
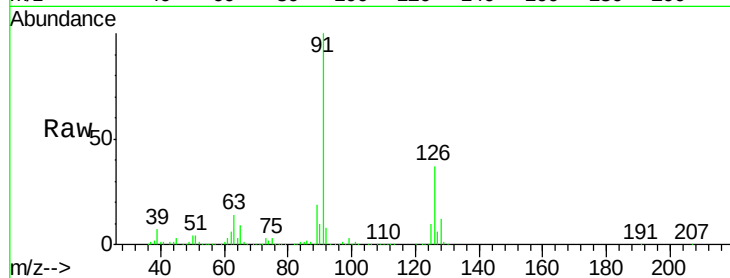




#79
 2-Chlorotoluene
 Concen: 44.263 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN054141.D
 Acq: 11 Mar 2019 15:09

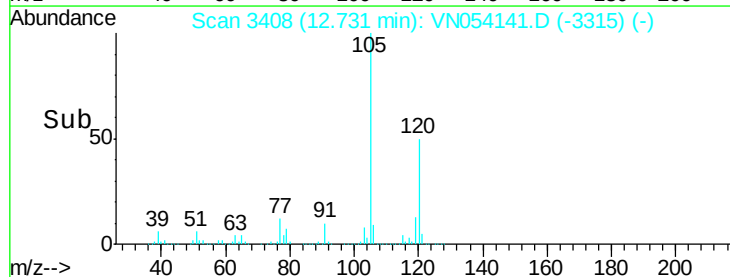
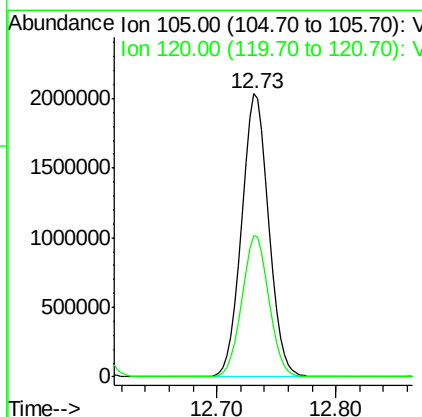
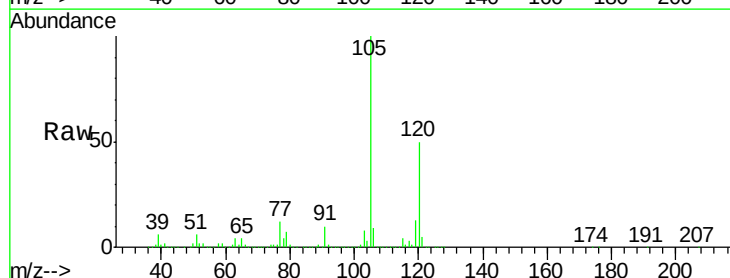
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031119

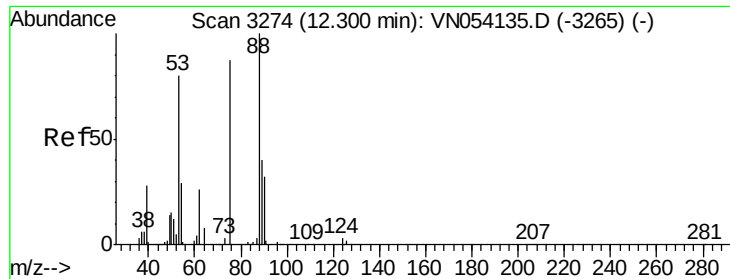
Tot Ion: 91 Resp: 2464037
 Ion Ratio Lower Upper
 91 100
 126 37.3 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 45.446 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054141.D
 Acq: 11 Mar 2019 15:09

Tgt Ion: 105 Resp: 3201741
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.6 73.8

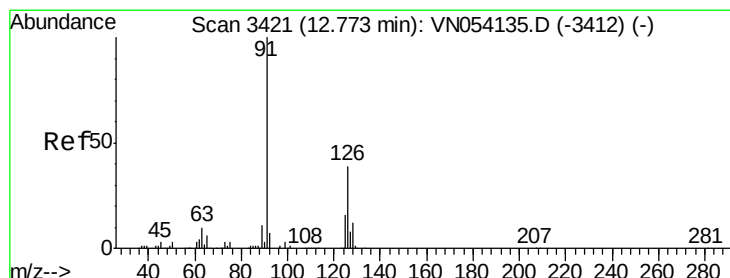
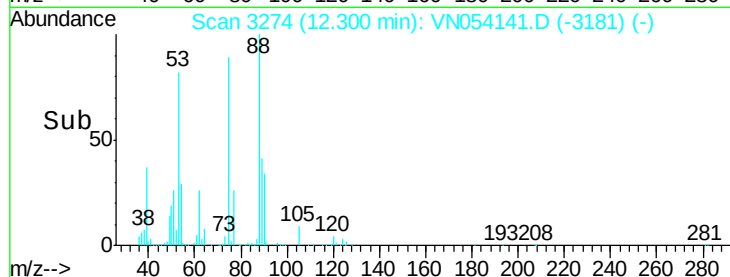
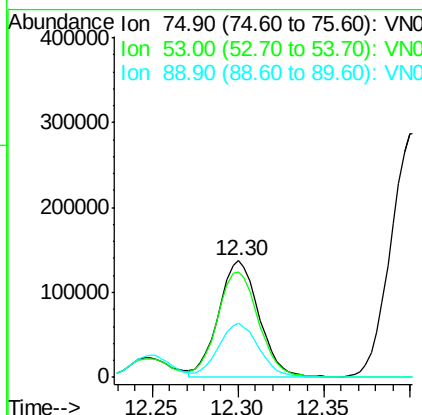
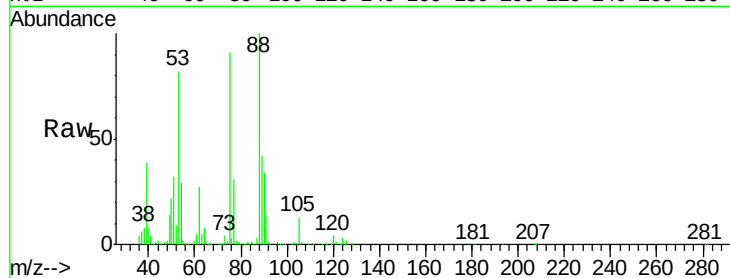




#81
trans-1,4-Dichloro-2-butene
Concen: 43.914 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

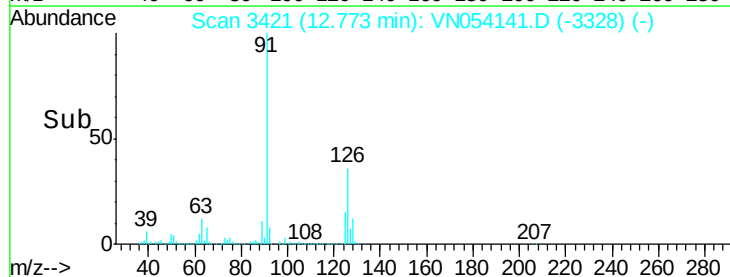
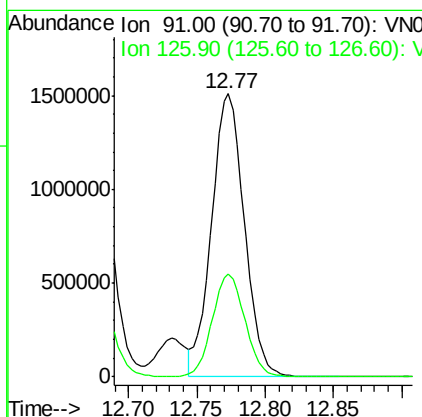
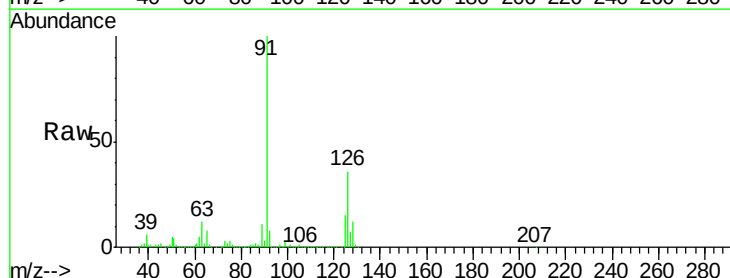
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031119

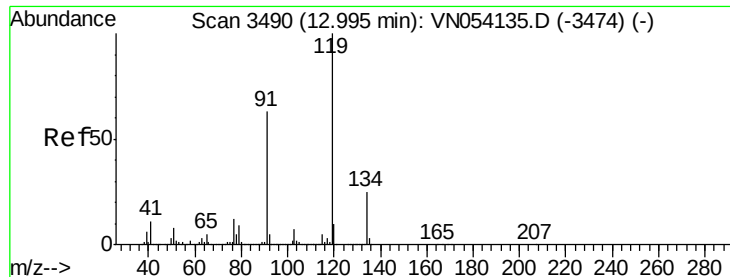
Tot Ion: 75 Resp: 222597
Ion Ratio Lower Upper
75 100
53 93.7 76.4 114.6
89 47.6 35.3 52.9



#82
4-Chlorotoluene
Concen: 46.376 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054141.D
Acq: 11 Mar 2019 15:09

Tgt Ion: 91 Resp: 2517024
Ion Ratio Lower Upper
91 100
126 36.2 17.1 51.3





#83

tert-Butylbenzene

Concen: 44.386 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031119

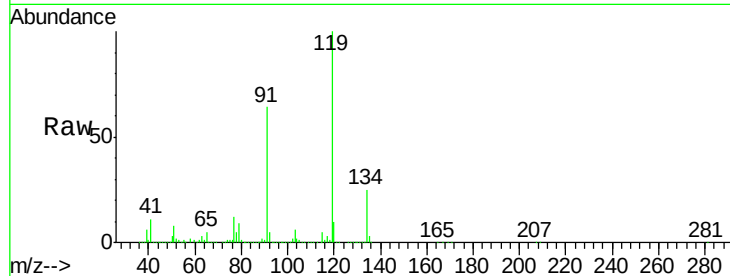
Tot Ion:119 Resp: 2887959

Ion Ratio Lower Upper

119 100

91 62.3 31.8 95.3

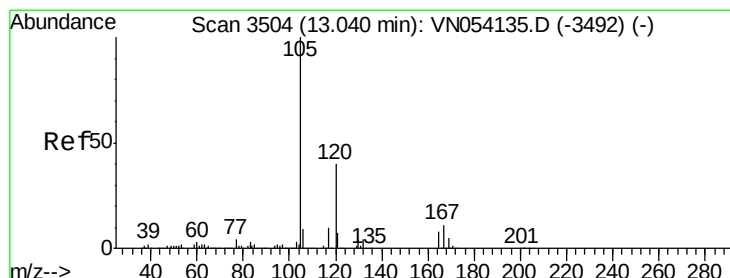
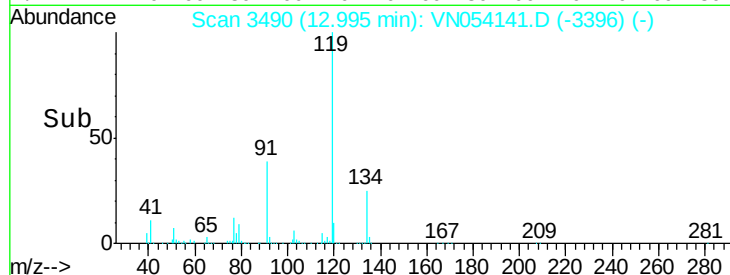
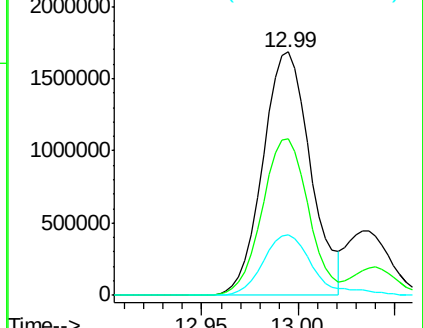
134 26.3 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.723 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054141.D

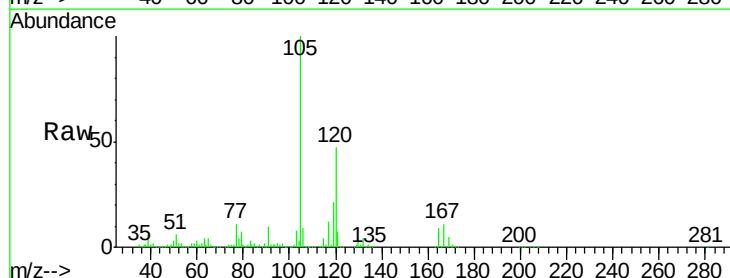
Acq: 11 Mar 2019 15:09

Tgt Ion:105 Resp: 3223156

Ion Ratio Lower Upper

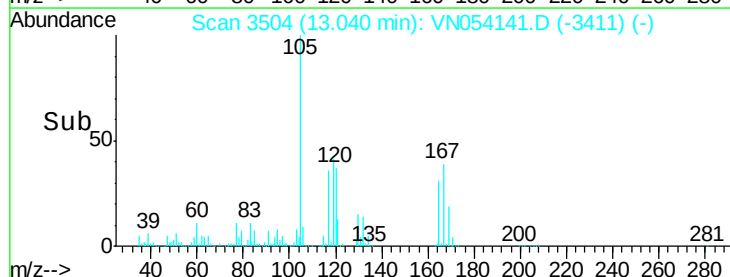
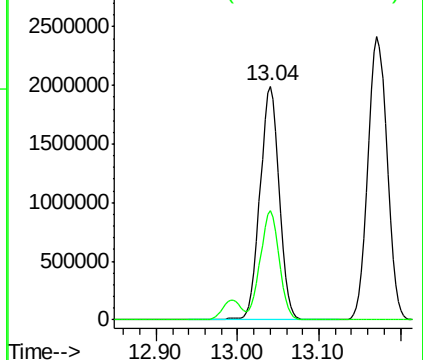
105 100

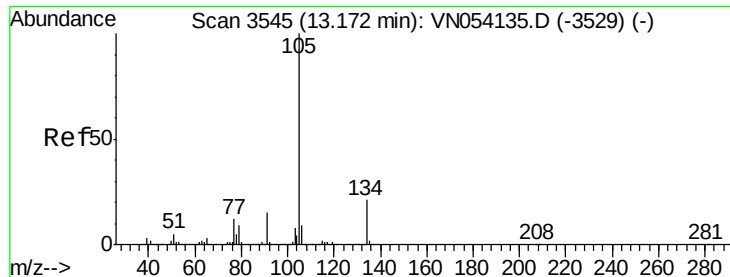
120 46.5 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.903 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

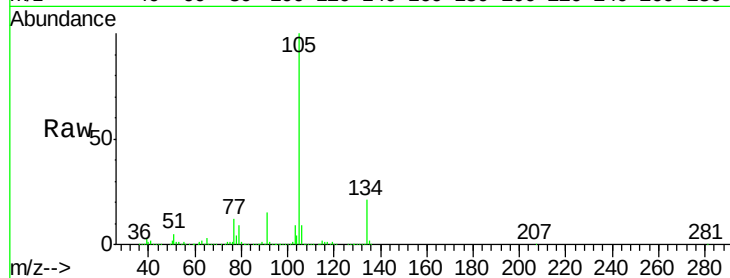
ICVVN031119

Tot Ion:105 Resp: 3869894

Ion Ratio Lower Upper

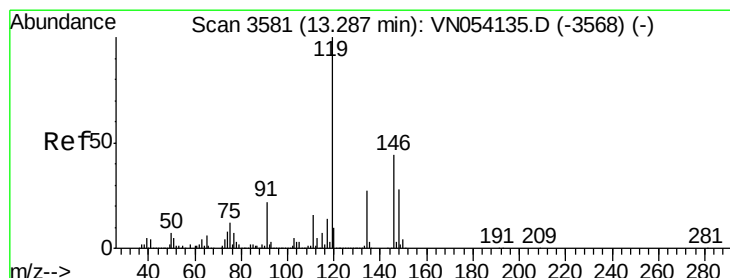
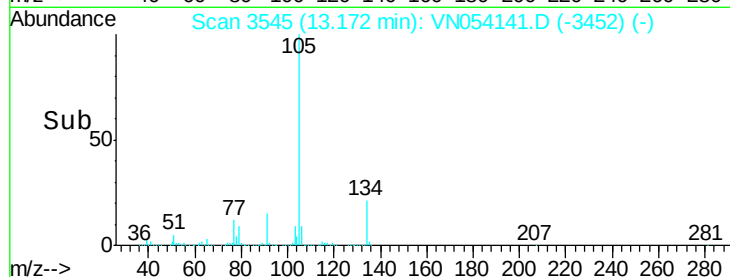
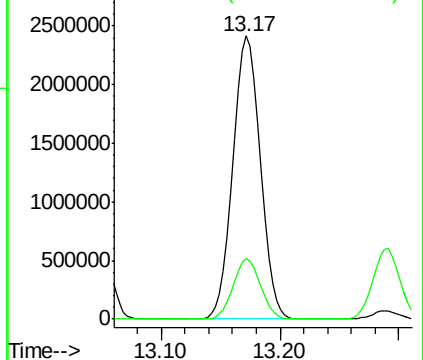
105 100

134 21.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.803 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

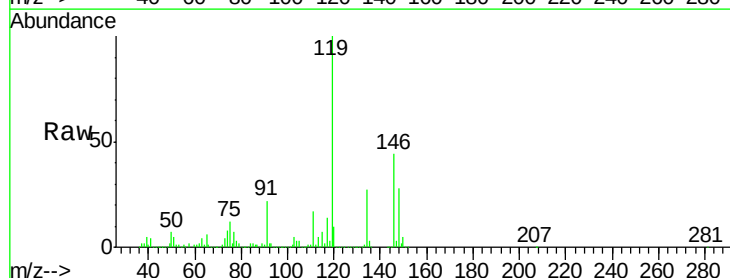
Tgt Ion:119 Resp: 3443074

Ion Ratio Lower Upper

119 100

134 27.4 13.2 39.5

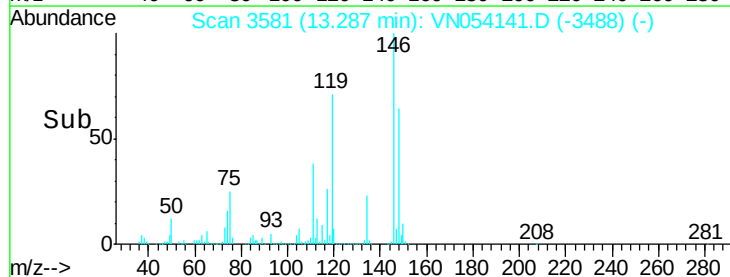
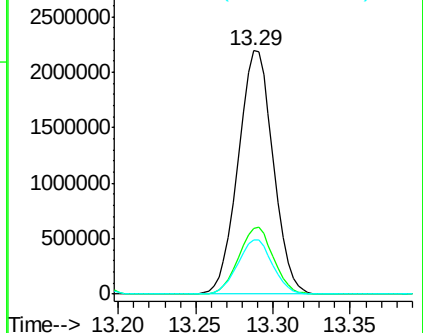
91 22.3 11.4 34.2

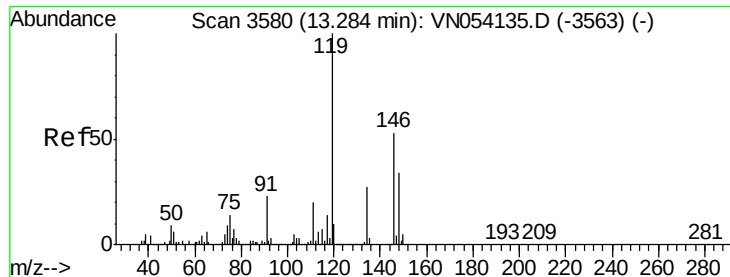


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

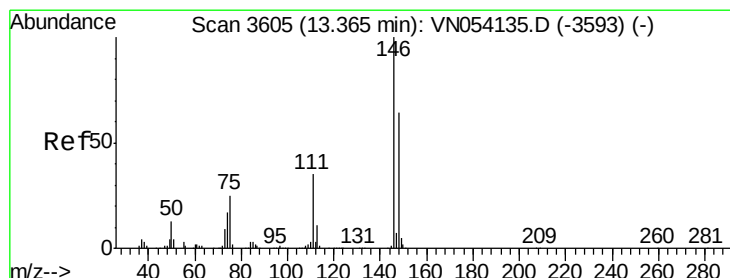
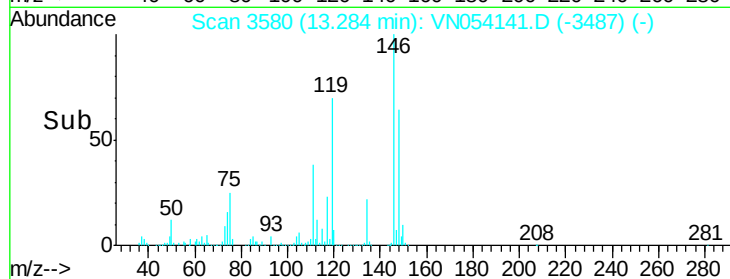
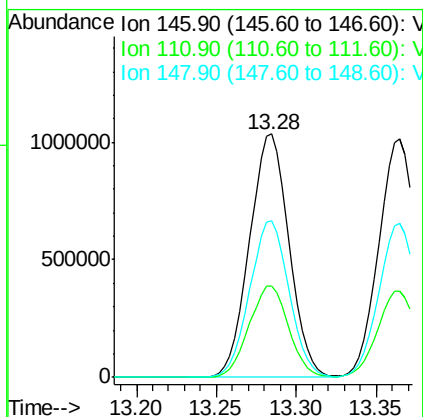
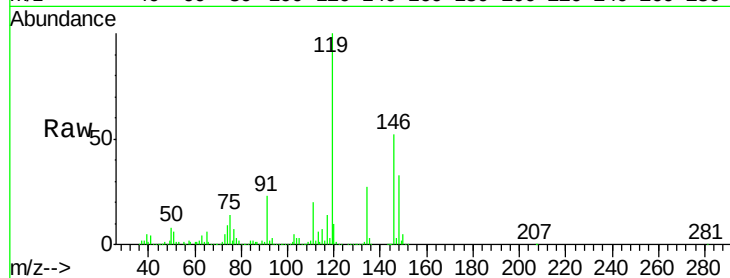




#87
 1,3-Dichlorobenzene
 Concen: 47.351 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN054141.D
 Acq: 11 Mar 2019 15:09

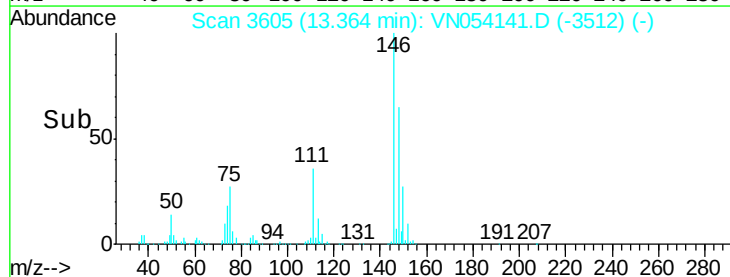
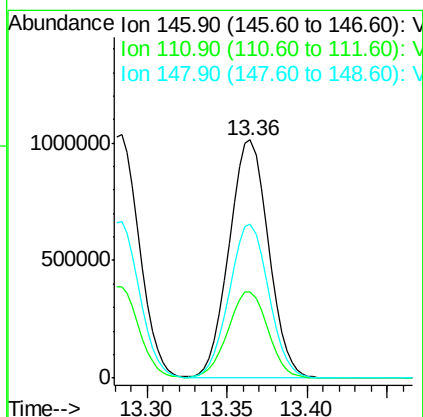
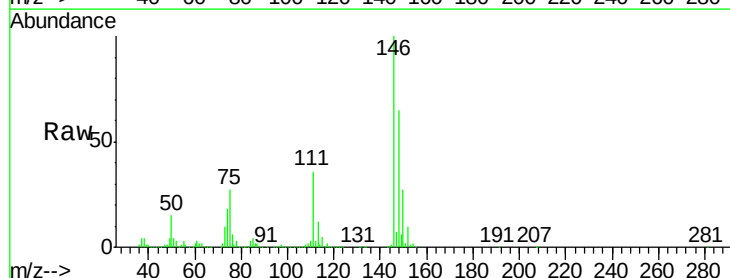
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031119

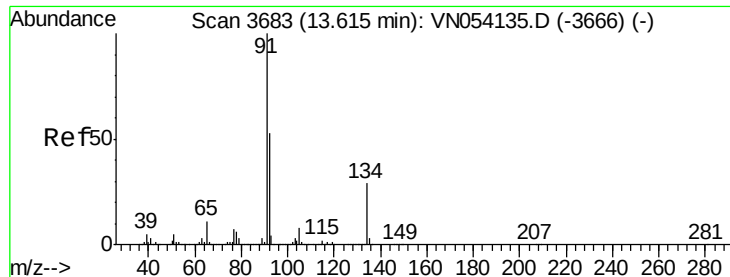
Tot Ion:146 Resp: 1750372
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.3 57.8
 148 64.1 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 46.660 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN054141.D
 Acq: 11 Mar 2019 15:09

Tgt Ion:146 Resp: 1703118
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.9 56.5
 148 64.9 32.1 96.5





#89

n-Butylbenzene

Concen: 49.965 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031119

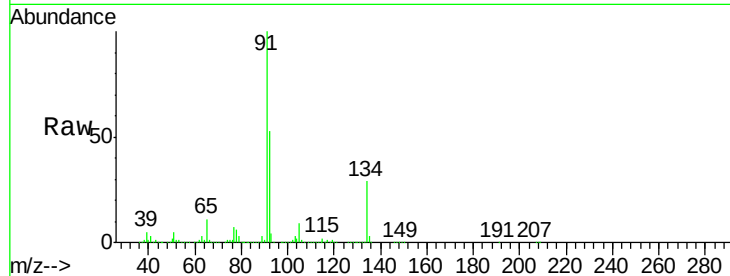
Tot Ion: 91 Resp: 2819012

Ion Ratio Lower Upper

91 100

92 52.4 26.0 78.0

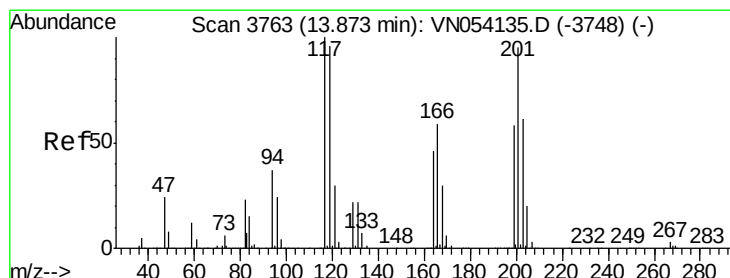
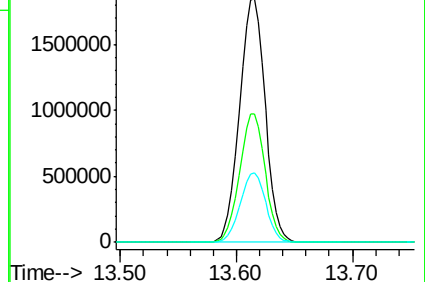
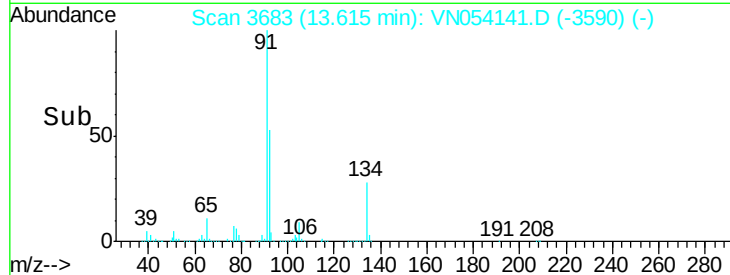
134 28.4 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VN054141.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN054141.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN054141.D (-3590) (-)



#90

Hexachloroethane

Concen: 44.899 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054141.D

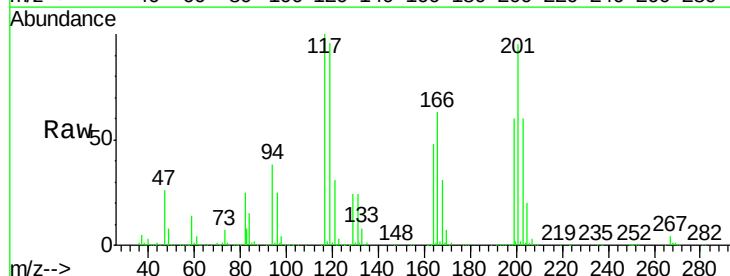
Acq: 11 Mar 2019 15:09

Tgt Ion: 117 Resp: 589794

Ion Ratio Lower Upper

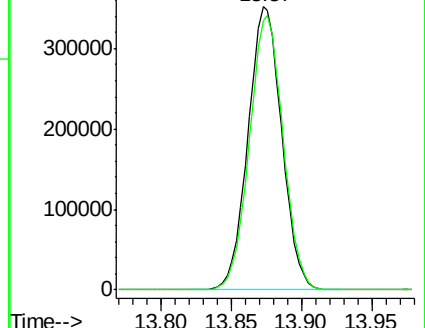
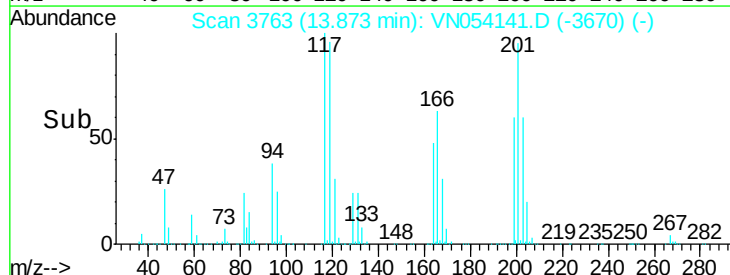
117 100

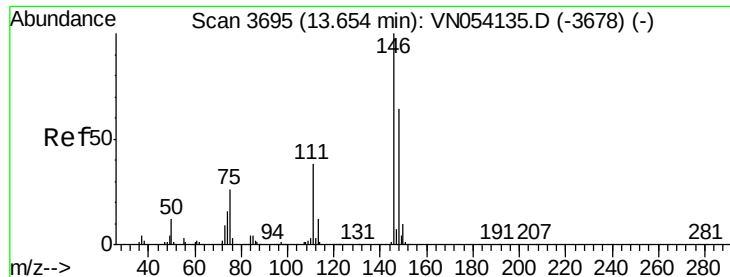
201 96.6 44.9 134.7



Abundance Ion 116.80 (116.50 to 117.50): VN054141.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN054141.D (-3670) (-)



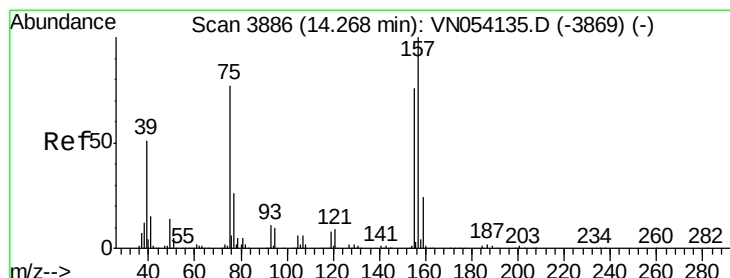
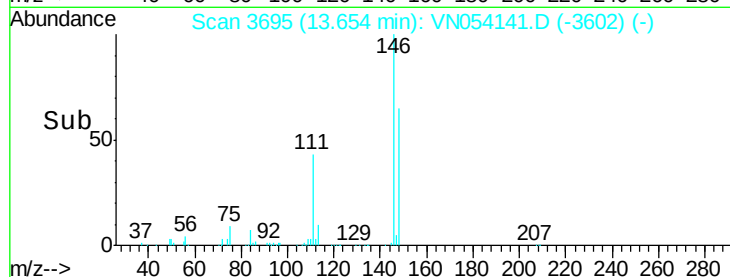
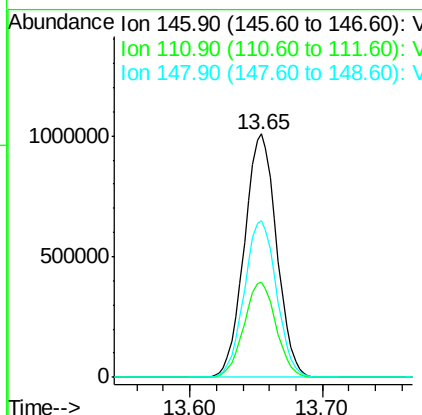
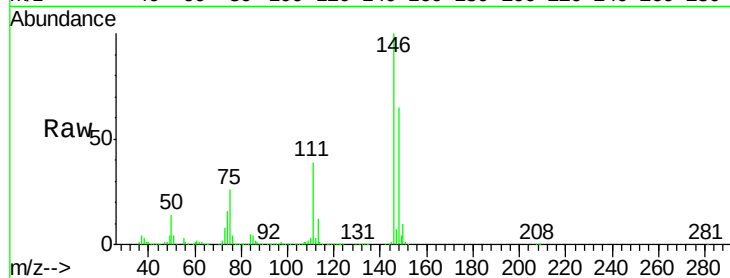


#91
 1,2-Dichlorobenzene
 Concen: 46.852 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054141.D
 Acq: 11 Mar 2019 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031119

Tot Ion:146 Resp: 1700488

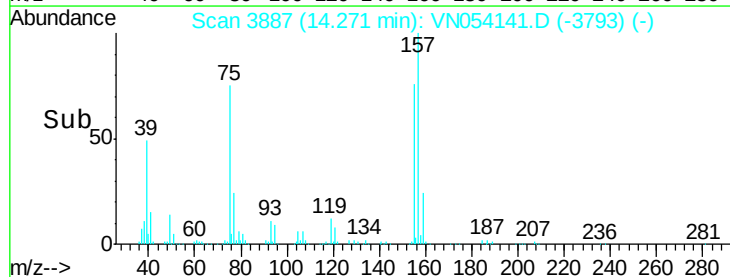
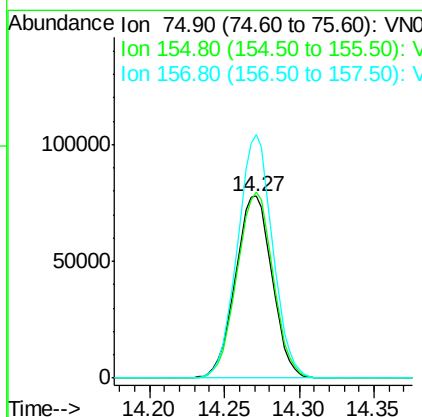
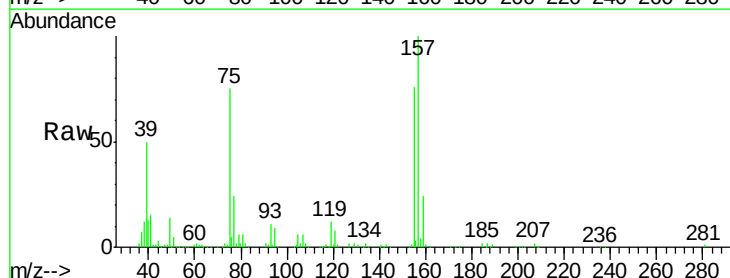
Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	60.0
148	64.5	32.3	96.9

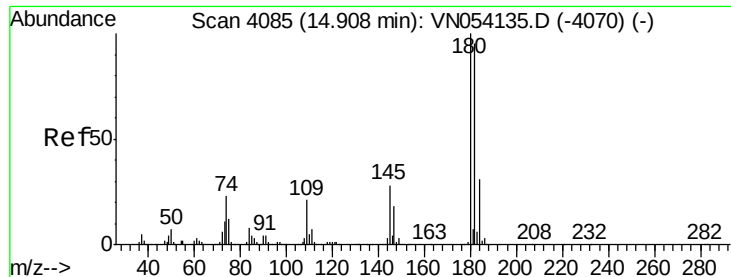


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.121 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054141.D
 Acq: 11 Mar 2019 15:09

Tgt Ion: 75 Resp: 133378

Ion	Ratio	Lower	Upper
75	100		
155	100.4	44.5	133.5
157	127.7	57.2	171.6

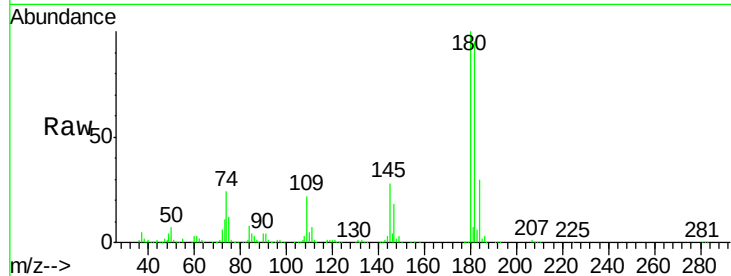




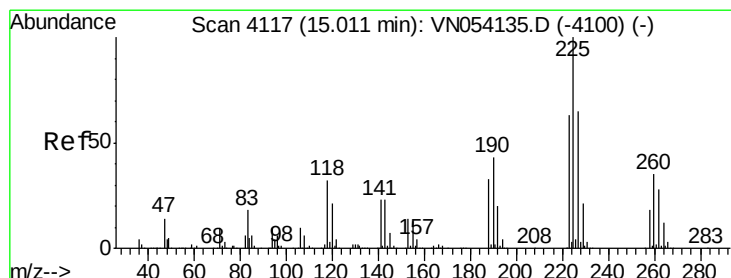
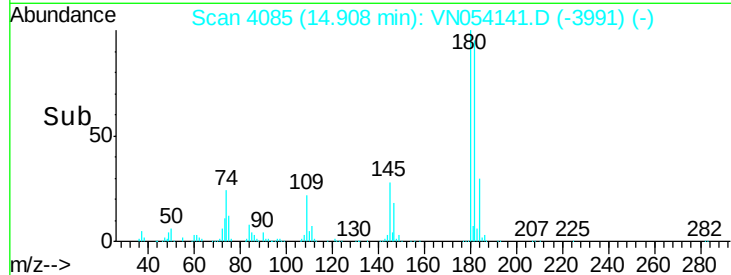
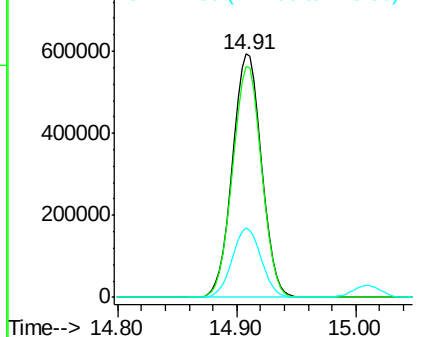
#93
 1,2,4-Trichlorobenzene
 Concen: 53.204 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054141.D
 Acq: 11 Mar 2019 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031119

Tot Ion:180 Resp: 1001629
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.1 144.3
 145 28.4 13.9 41.7

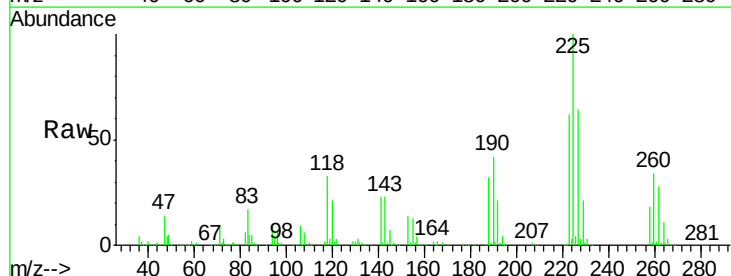


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

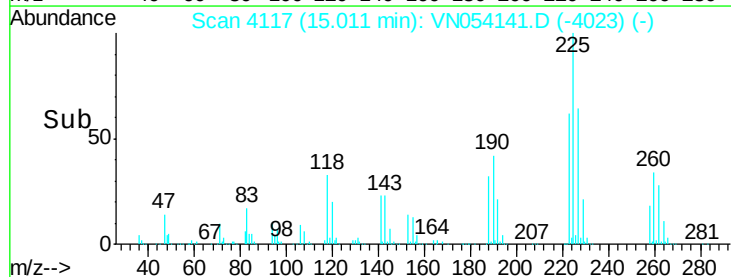
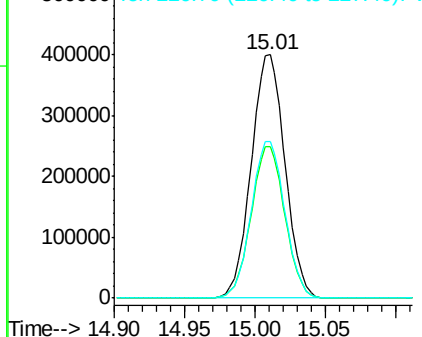


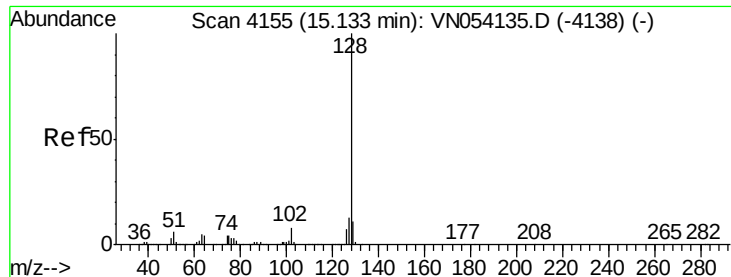
#94
 Hexachlorobutadiene
 Concen: 46.599 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054141.D
 Acq: 11 Mar 2019 15:09

Tgt Ion:225 Resp: 668882
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.2 93.6
 227 64.3 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 47.959 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Instrument :

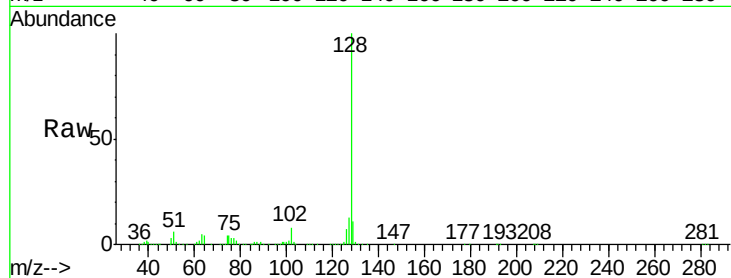
MSVOA_N

ClientSampleId :

ICVVN031119

Tot Ion:128 Resp: 1915616

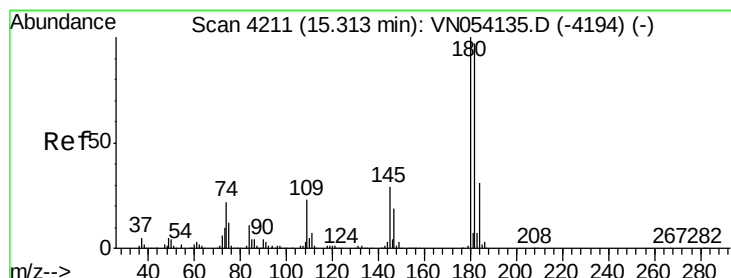
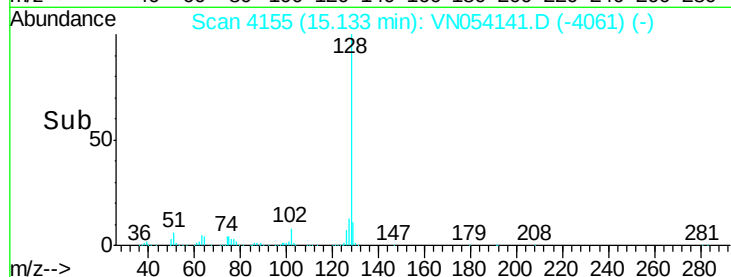
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.0	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.428 ug/l

RT: 15.32 min Scan# 4212

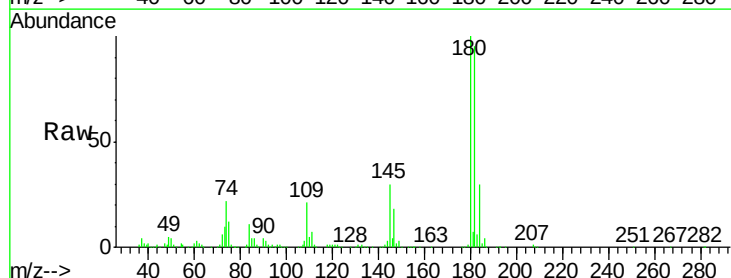
Delta R.T. 0.00 min

Lab File: VN054141.D

Acq: 11 Mar 2019 15:09

Tgt Ion:180 Resp: 981024

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.7
145	29.9	14.9	44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

