

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054135.D
 Acq On : 11 Mar 2019 11:30
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Mar 12 01:24:40 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	7.67	168	1656060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2487804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2190860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1055559	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	855998	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
35) Dibromofluoromethane	7.59	113	775119	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
50) Toluene-d8	10.09	98	2848618	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.40	95	996675	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	620235	45.450	ug/l	100
3) Chloromethane	2.06	50	744294	45.830	ug/l	98
4) Vinyl Chloride	2.19	62	838701	45.820	ug/l	100
5) Bromomethane	2.57	94	568180	45.279	ug/l	97
6) Chloroethane	2.71	64	526681	46.278	ug/l	100
7) Trichlorofluoromethane	3.02	101	1176191	46.631	ug/l	100
8) Diethyl Ether	3.41	74	475277	46.822	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.75	101	740791	45.610	ug/l	95
10) Methyl Iodide	3.95	142	1082087	52.136	ug/l	97
11) Tert butyl alcohol	4.82	59	295519	241.689	ug/l	97
12) 1,1-Dichloroethene	3.73	96	733732	46.757	ug/l	91
13) Acrolein	3.61	56	259410	261.519	ug/l	100
14) Allyl chloride	4.32	41	1022464	44.952	ug/l	86
15) Acrylonitrile	5.00	53	1195100	241.908	ug/l	98
16) Acetone	3.82	43	1185844	260.859	ug/l	96
17) Carbon Disulfide	4.04	76	1860021	45.925	ug/l	100
18) Methyl Acetate	4.33	43	533985	46.905	ug/l	93
19) Methyl tert-butyl Ether	5.06	73	2029599	47.573	ug/l	95
20) Methylene Chloride	4.55	84	723712	45.436	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	718734	46.640	ug/l	93
22) Diisopropyl ether	5.96	45	2034302	48.426	ug/l #	96
23) Vinyl Acetate	5.90	43	7722569	243.467	ug/l	95
24) 1,1-Dichloroethane	5.85	63	1287527	47.278	ug/l	98
25) 2-Butanone	6.85	43	1454203	246.136	ug/l	95
26) 2,2-Dichloropropane	6.82	77	1190466	47.336	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	843776	47.868	ug/l	93
28) Bromochloromethane	7.20	49	611330	51.618	ug/l #	75
29) Tetrahydrofuran	7.22	42	902390	237.721	ug/l	88
30) Chloroform	7.37	83	1351056	46.849	ug/l	99
31) Cyclohexane	7.65	56	1136151	49.527	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	1234924	47.309	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1013054	46.788	ug/l	98
37) Ethyl Acetate	6.94	43	624599	44.485	ug/l	97
38) Carbon Tetrachloride	7.77	117	1114514	46.434	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1231066	46.182	ug/l	93
40) Benzene	8.04	78	2961333	47.596	ug/l	100
41) Methacrylonitrile	7.18	41	363741	49.758	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	1013783	47.261	ug/l	100
43) Isopropyl Acetate	8.17	43	1138079	48.761	ug/l #	89
44) Trichloroethene	8.84	130	910390	47.414	ug/l	97
45) 1,2-Dichloropropane	9.12	63	751543	47.270	ug/l	99
46) Dibromomethane	9.21	93	501366	46.483	ug/l	92
47) Bromodichloromethane	9.40	83	1069512	47.836	ug/l	99
48) Methyl methacrylate	9.20	41	579670	46.197	ug/l	96
49) 1,4-Dioxane	9.21	88	149470	918.145	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	2985756	238.502	ug/l	98
52) Toluene	10.16	92	1889467	47.431	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1112004	48.846	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	1249503	48.873	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	713276	47.493	ug/l	98
56) Ethyl methacrylate	10.43	69	880484	47.898	ug/l	94
57) 1,3-Dichloropropane	10.71	76	1168003	48.047	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1656473	244.063	ug/l	91
59) 2-Hexanone	10.75	43	1974055	237.606	ug/l	98
60) Dibromochloromethane	10.90	129	852579	49.008	ug/l	100
61) 1,2-Dibromoethane	11.01	107	721087	47.779	ug/l	98
64) Tetrachloroethene	10.63	164	925527	45.881	ug/l	98
65) Chlorobenzene	11.44	112	2190638	47.191	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	845891	48.438	ug/l	99
67) Ethyl Benzene	11.51	91	3603441	46.699	ug/l	98
68) m/p-Xylenes	11.62	106	2834278	93.926	ug/l	98
69) o-Xylene	11.95	106	1398510	47.216	ug/l	97
70) Styrene	11.96	104	2222080	48.428	ug/l	99
71) Bromoform	12.13	173	618320	51.090	ug/l #	100
73) Isopropylbenzene	12.25	105	3724781	44.365	ug/l	98
74) N-amyl acetate	12.07	43	916385	47.921	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	828319	45.592	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	1082404	72.614	ug/l #	100
77) Bromobenzene	12.53	156	988162	45.218	ug/l	90
78) n-propylbenzene	12.59	91	4140140	46.083	ug/l	96
79) 2-Chlorotoluene	12.67	91	2443510	44.432	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	3128734	44.954	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	233424	46.614	ug/l	96
82) 4-Chlorotoluene	12.77	91	2468257	46.035	ug/l	96
83) tert-Butylbenzene	12.99	119	2857153	44.451	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3128443	45.906	ug/l	97
85) sec-Butylbenzene	13.17	105	3761507	45.164	ug/l	96
86) p-Isopropyltoluene	13.29	119	3340114	45.960	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1731951	47.427	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	1691972	46.923	ug/l	99
89) n-Butylbenzene	13.62	91	2704918	48.531	ug/l	98
90) Hexachloroethane	13.87	117	605083	46.627	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	1691983	47.189	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	139385	44.558	ug/l	87

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Quant Title : SW846 8260
QLast Update : Tue Mar 12 00:55:17 2019
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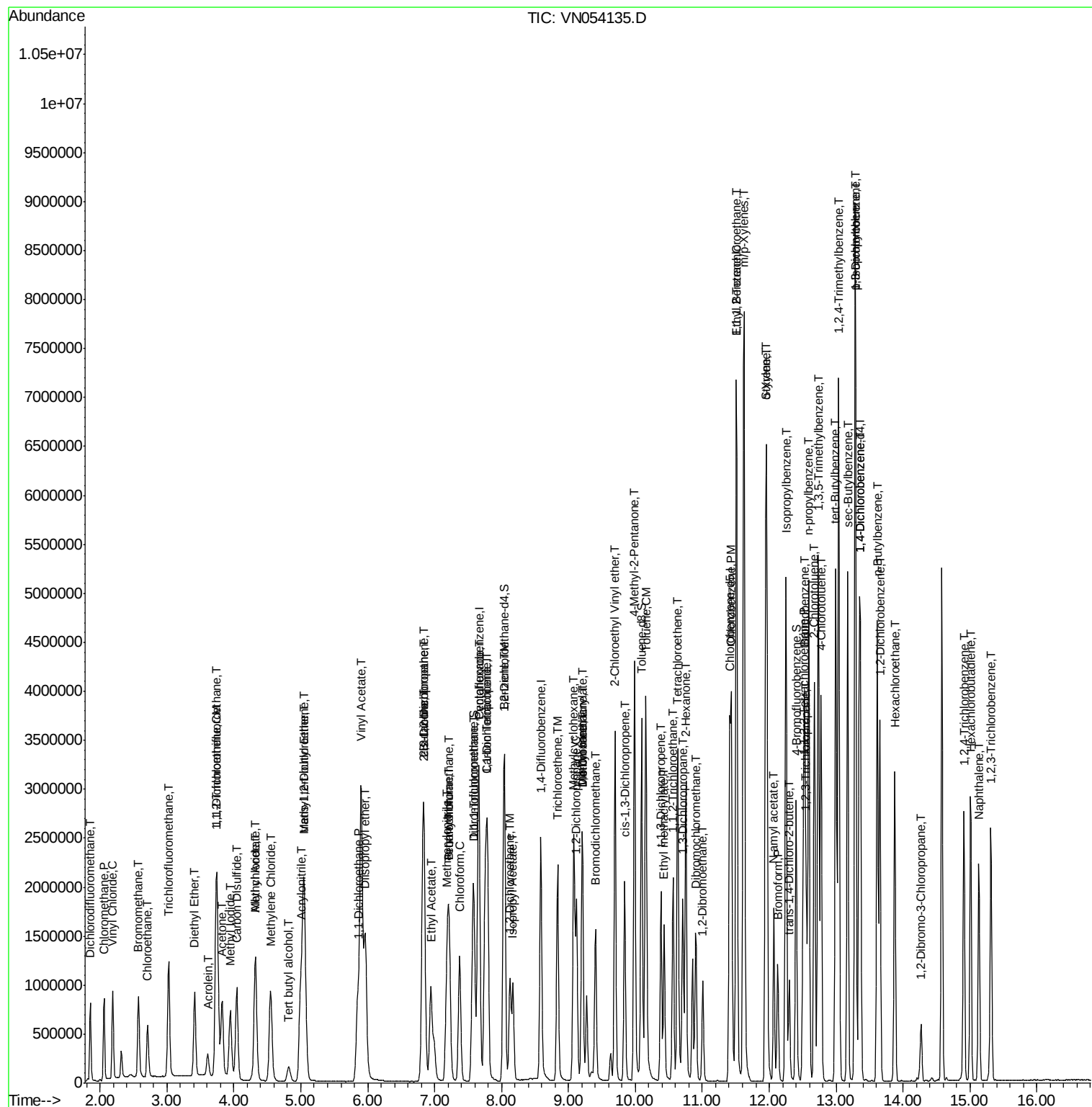
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	974989	52.424	ug/l	100
94) Hexachlorobutadiene	15.01	225	634621	44.754	ug/l	100
95) Naphthalene	15.13	128	1985763	50.324	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	966675	51.297	ug/l	100

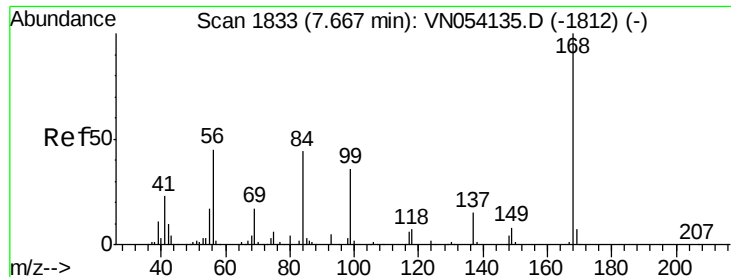
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

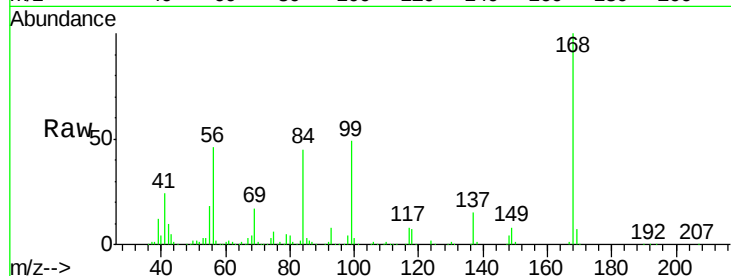
VSTDICCC050

Tot Ion:168 Resp: 1656060

Ion Ratio Lower Upper

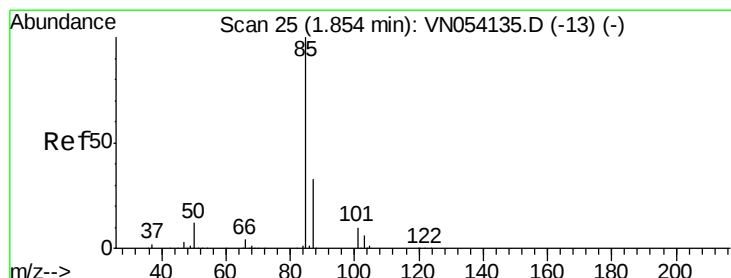
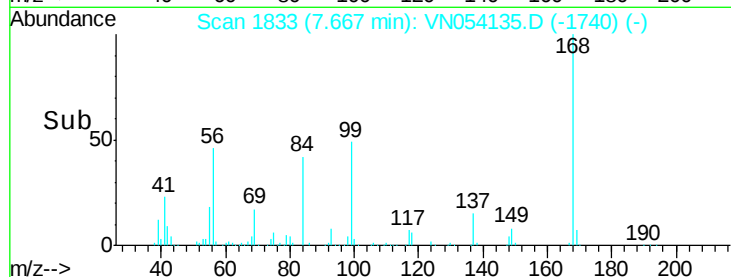
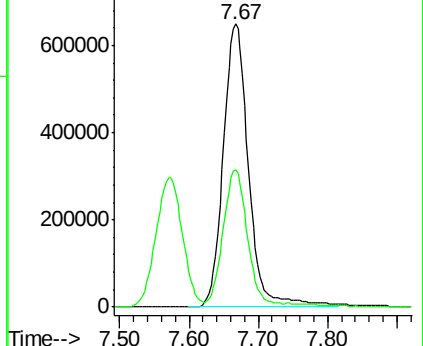
168 100

99 48.3 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: 45.450 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054135.D

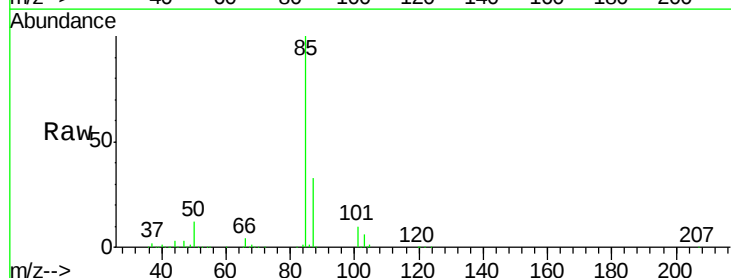
Acq: 11 Mar 2019 11:30

Tgt Ion: 85 Resp: 620235

Ion Ratio Lower Upper

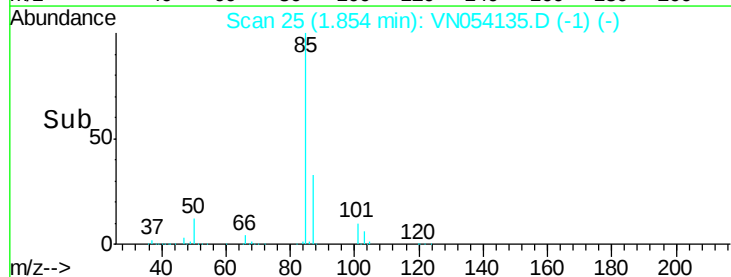
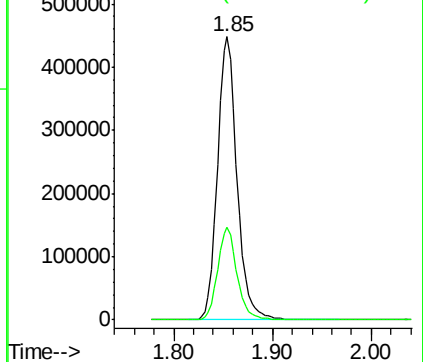
85 100

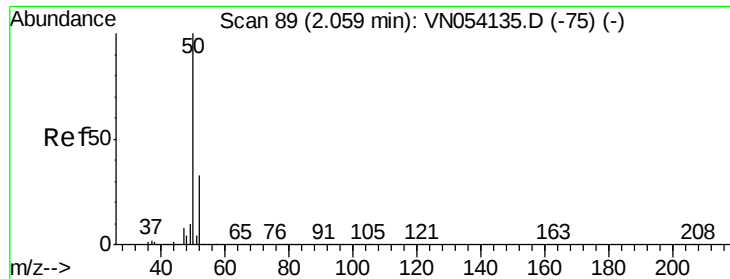
87 32.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.830 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

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ClientSampleId :

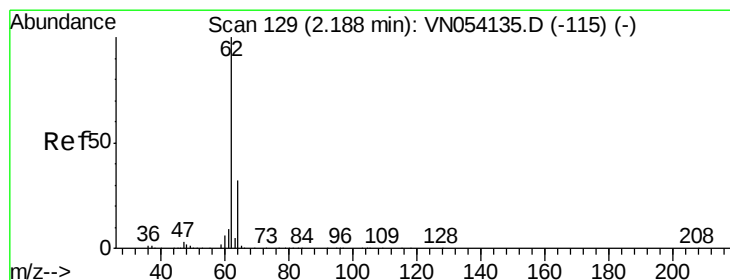
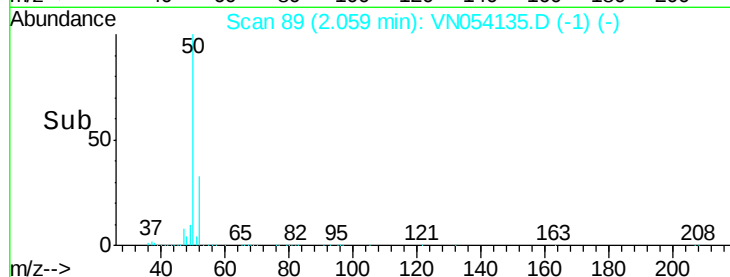
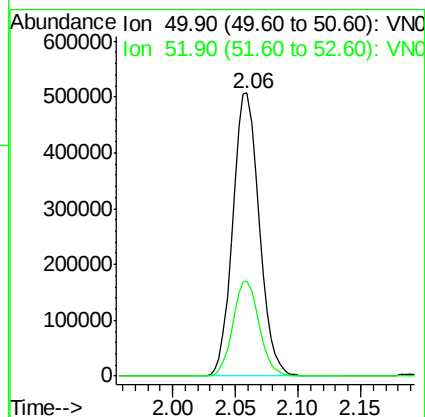
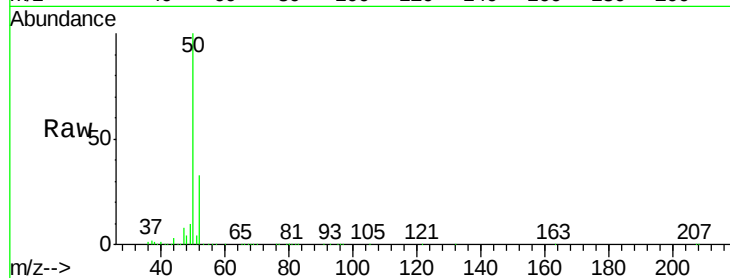
VSTDICCC050

Tot Ion: 50 Resp: 744294

Ion Ratio Lower Upper

50 100

52 33.5 26.0 39.0



#4

Vinyl Chloride

Concen: 45.820 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054135.D

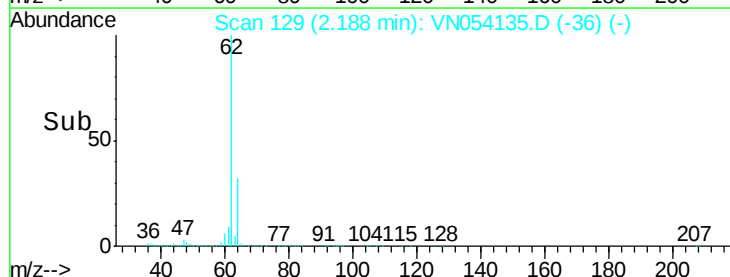
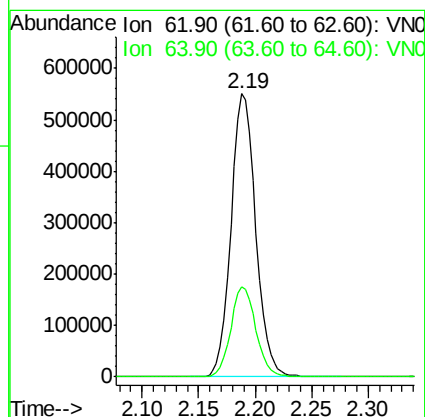
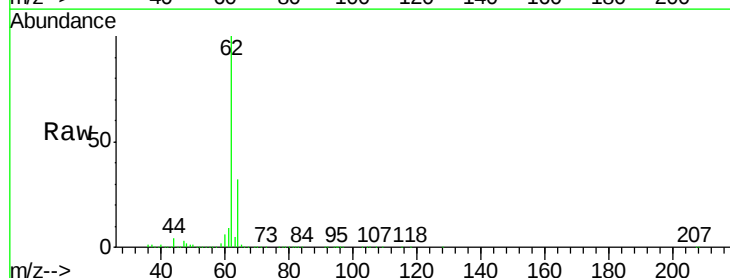
Acq: 11 Mar 2019 11:30

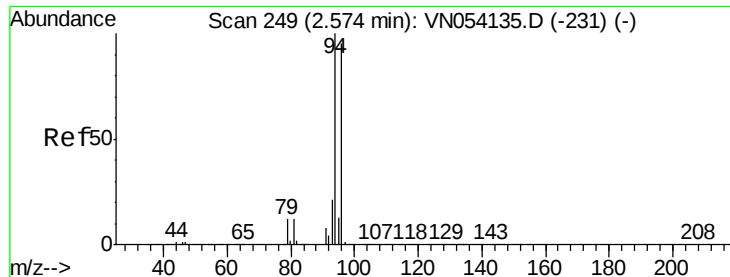
Tgt Ion: 62 Resp: 838701

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 45.279 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

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ClientSampleId :

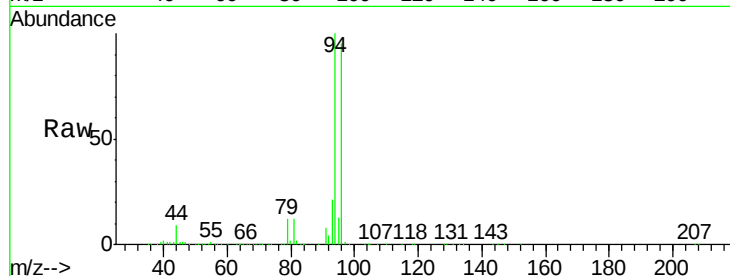
VSTDICCC050

Tot Ion: 94 Resp: 568180

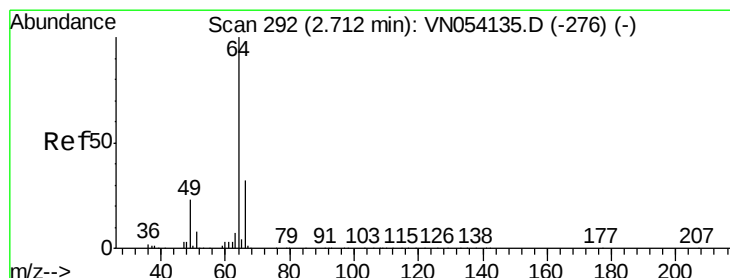
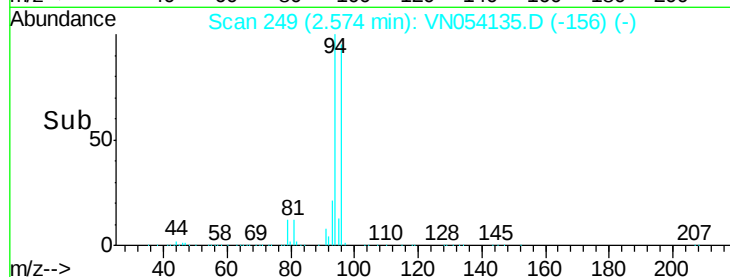
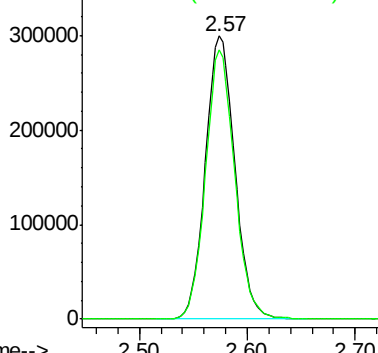
Ion Ratio Lower Upper

94 100

96 95.3 74.2 111.4



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



#6

Chloroethane

Concen: 46.278 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054135.D

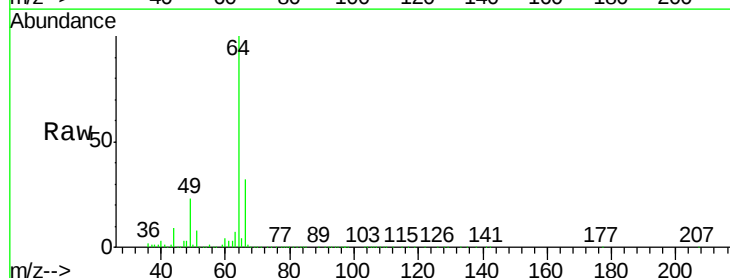
Acq: 11 Mar 2019 11:30

Tgt Ion: 64 Resp: 526681

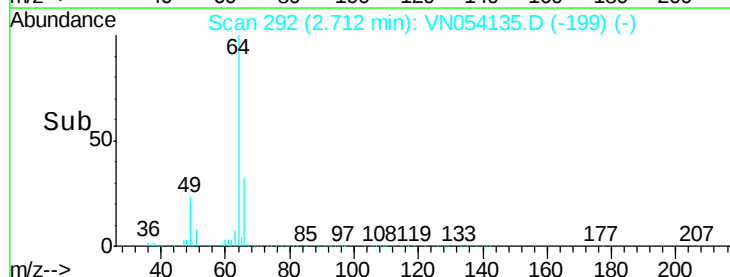
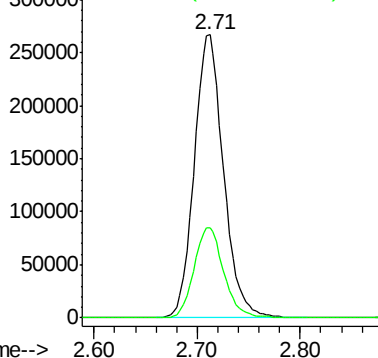
Ion Ratio Lower Upper

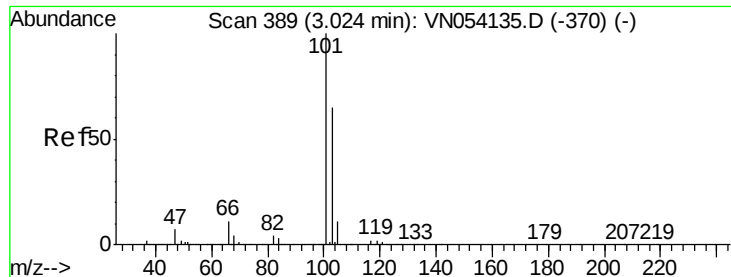
64 100

66 31.9 25.4 38.2



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



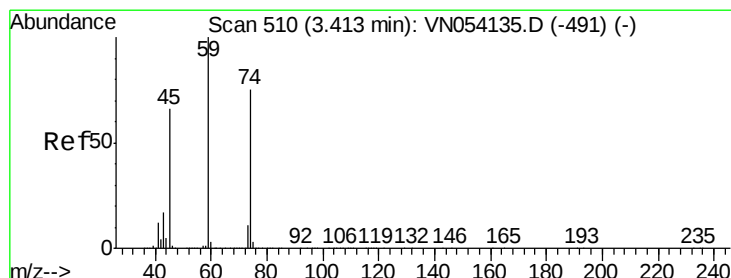
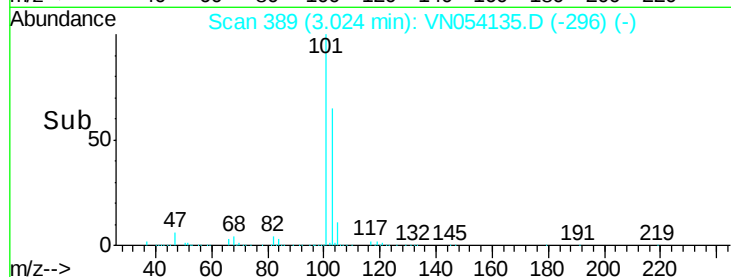
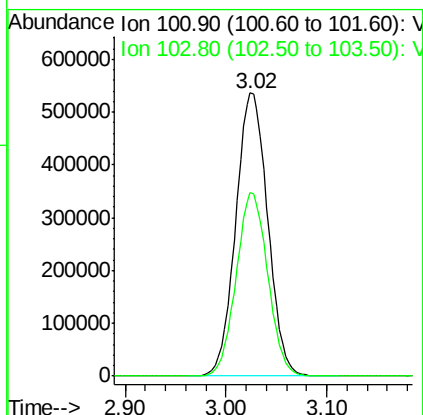
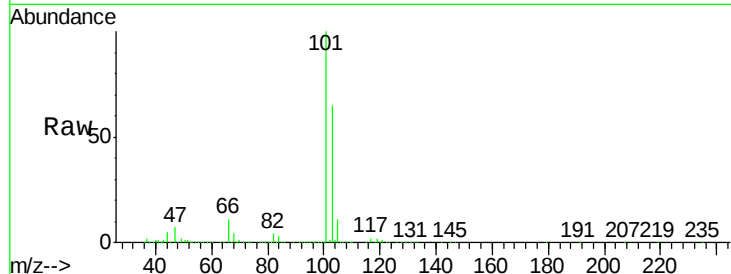


#7

Trichlorofluoromethane
Concen: 46.631 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054135.D
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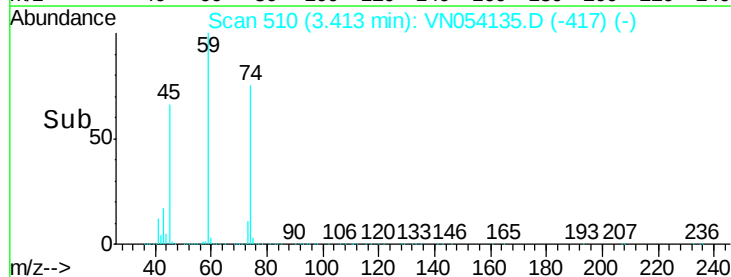
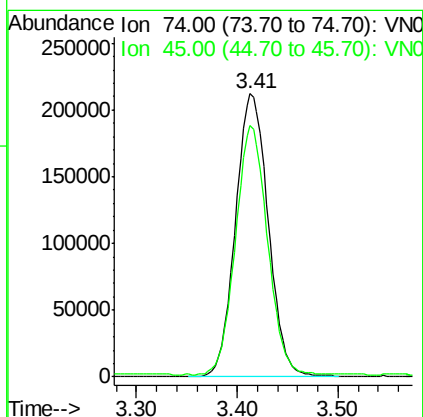
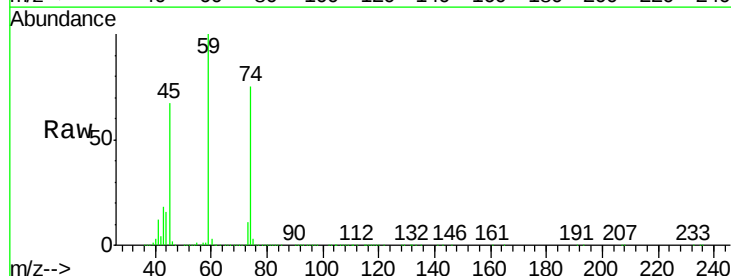
Tot Ion:101 Resp: 1176191
Ion Ratio Lower Upper
101 100
103 64.8 52.0 78.0

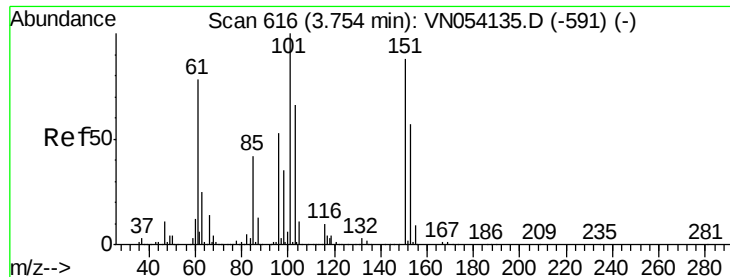


#8

Diethyl Ether
Concen: 46.822 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Tgt Ion: 74 Resp: 475277
Ion Ratio Lower Upper
74 100
45 86.0 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.610 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

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VSTDICCC050

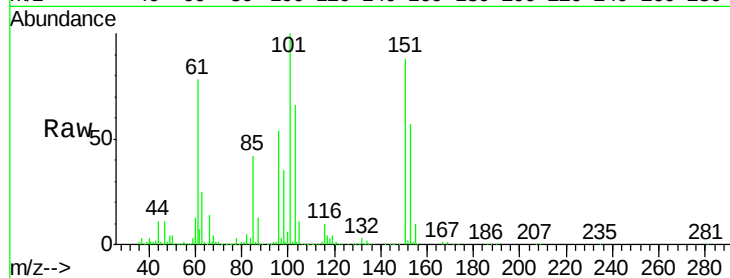
Tot Ion:101 Resp: 740791

Ion Ratio Lower Upper

101 100

85 41.4 33.1 49.7

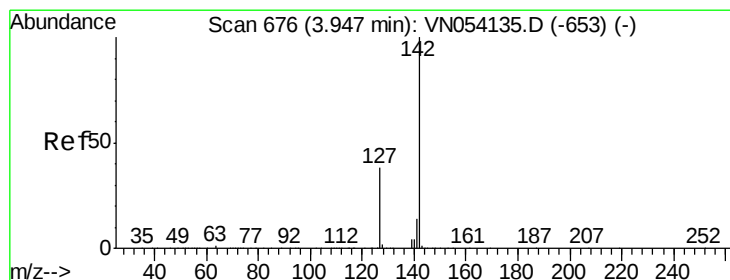
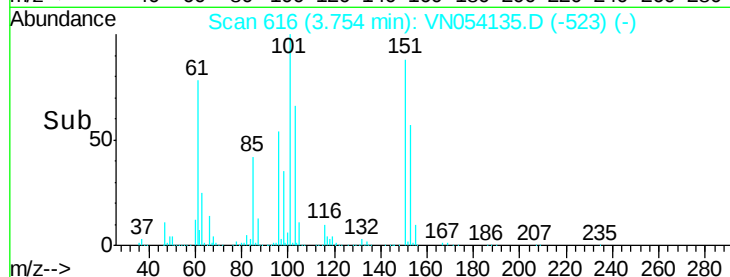
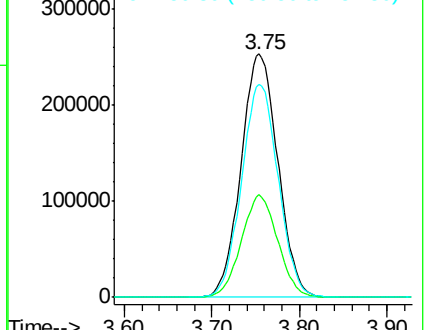
151 87.4 64.3 96.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.136 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

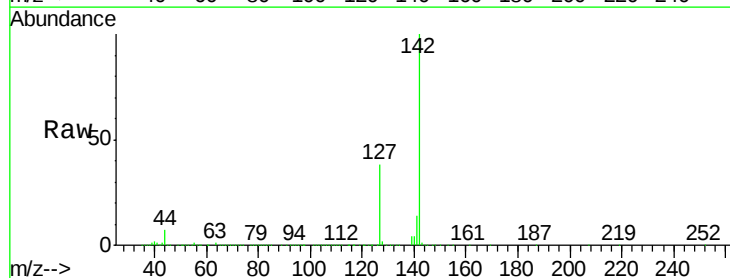
Tgt Ion:142 Resp: 1082087

Ion Ratio Lower Upper

142 100

127 37.9 31.9 47.9

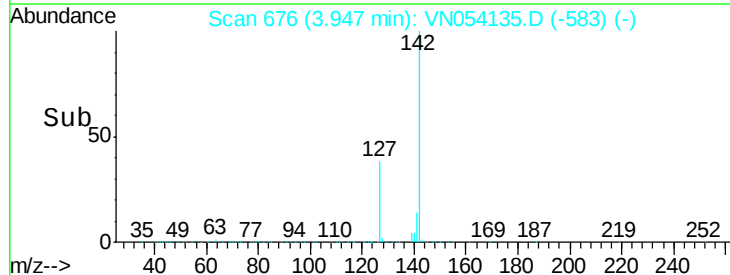
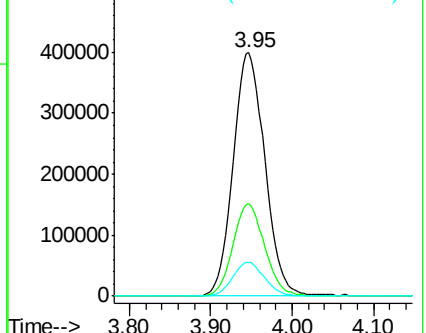
141 13.9 11.4 17.0

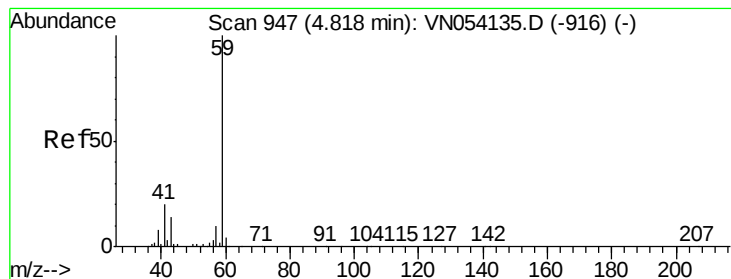


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



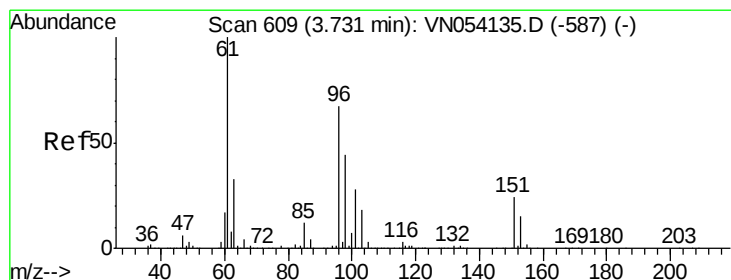
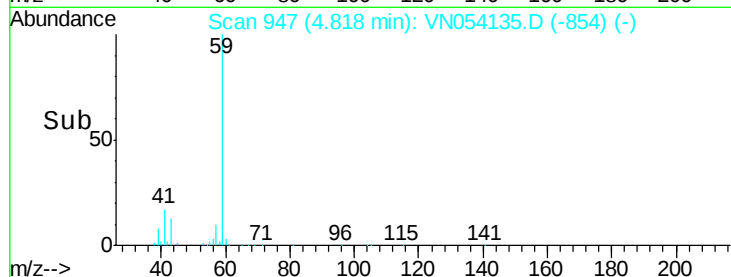
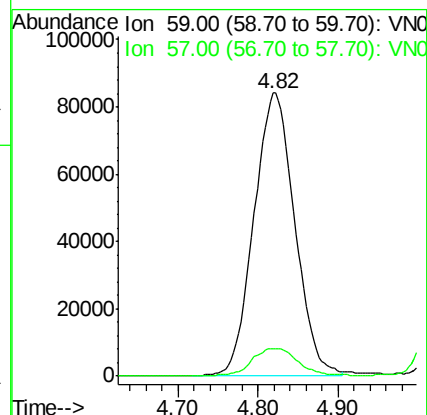
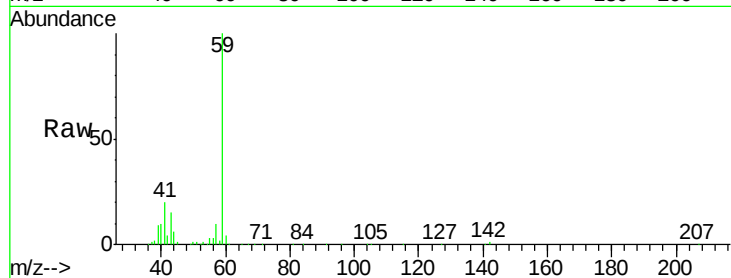


#11

Tert butyl alcohol
Concen: 241.689 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

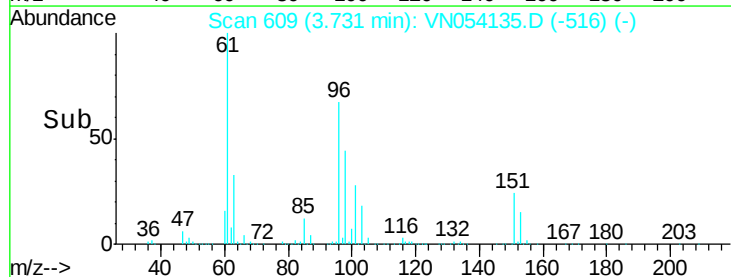
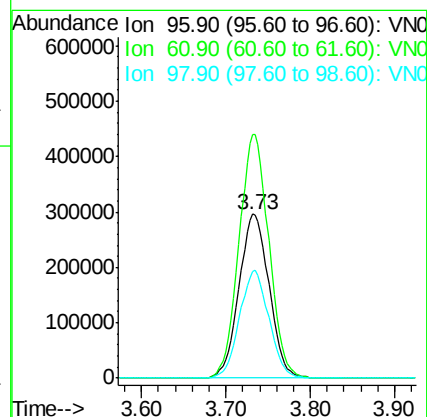
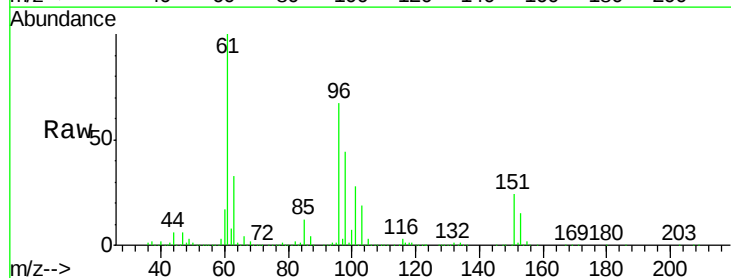
Tot Ion: 59 Resp: 295519
Ion Ratio Lower Upper
59 100
57 11.3 8.2 12.4

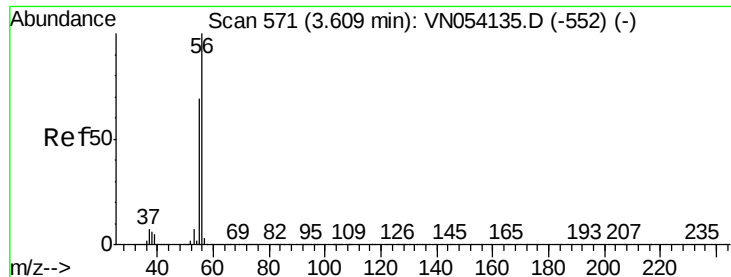


#12

1,1-Dichloroethene
Concen: 46.757 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Tgt Ion: 96 Resp: 733732
Ion Ratio Lower Upper
96 100
61 148.8 131.2 196.8
98 64.8 50.7 76.1





#13

Acrolein

Concen: 261.519 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

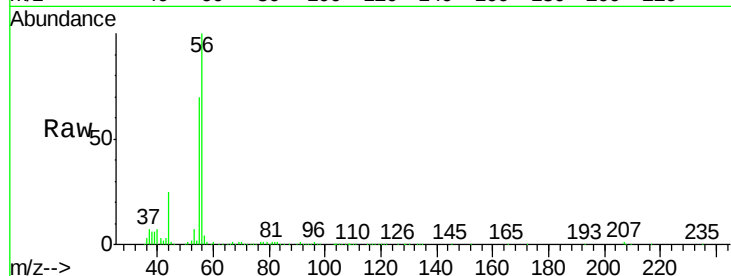
VSTDICCC050

Tot Ion: 56 Resp: 259410

Ion Ratio Lower Upper

56 100

55 71.7 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

120000

100000

80000

60000

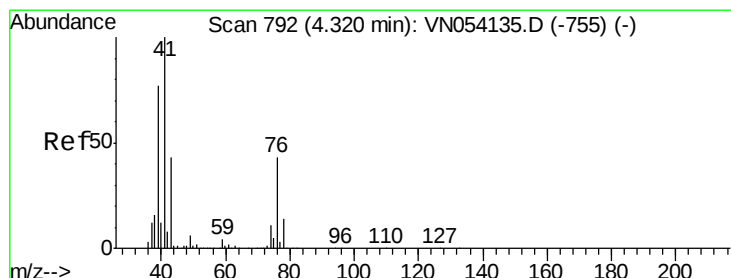
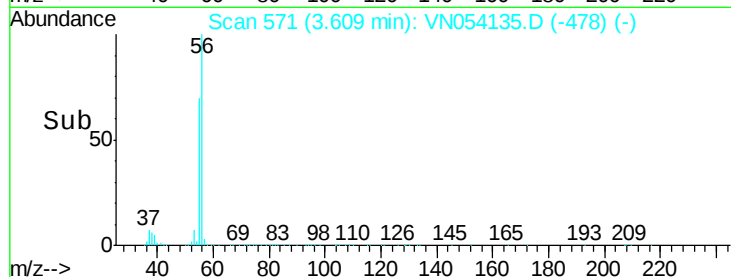
40000

20000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 44.952 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

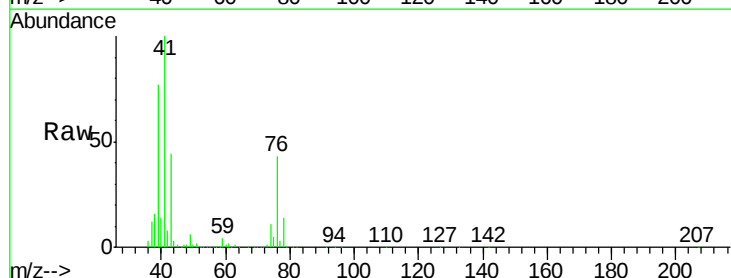
Tgt Ion: 41 Resp: 1022464

Ion Ratio Lower Upper

41 100

39 73.4 49.3 73.9

76 39.5 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

4.32

400000

300000

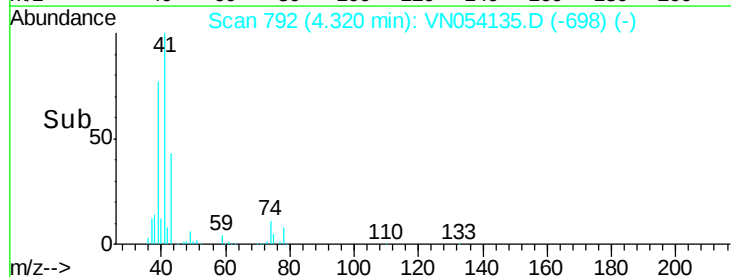
200000

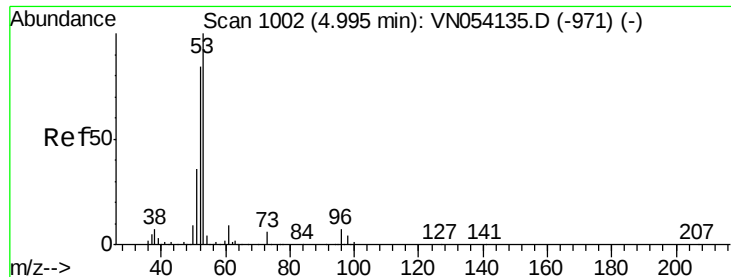
100000

0

Time-->

4.10 4.20 4.30 4.40 4.50



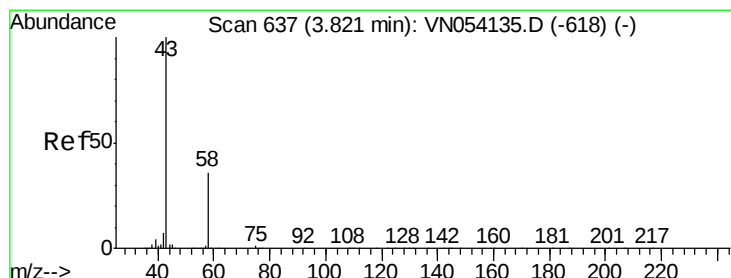
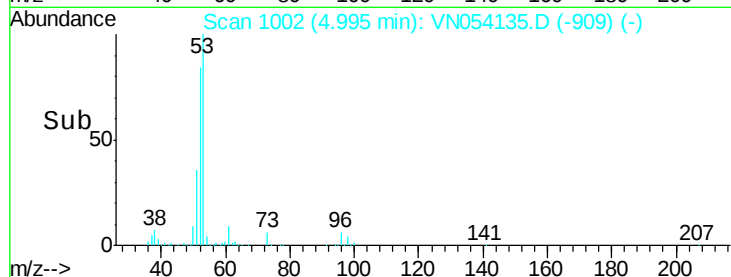
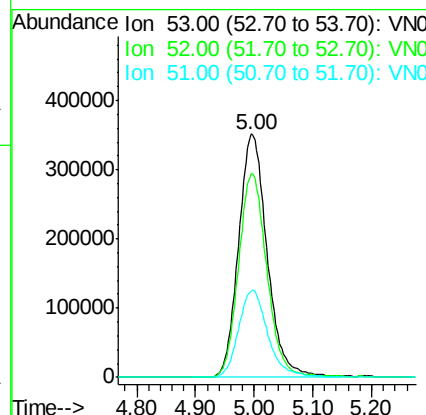
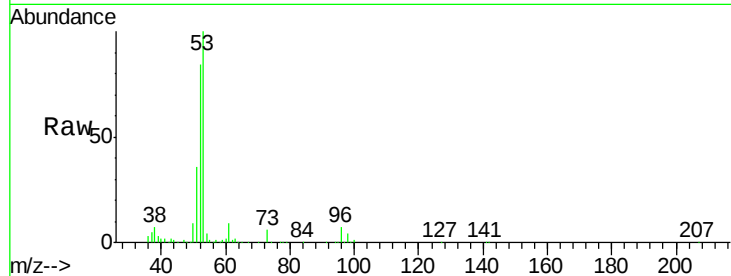


#15
 Acrylonitrile
 Concen: 241.908 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 53 Resp: 1195100

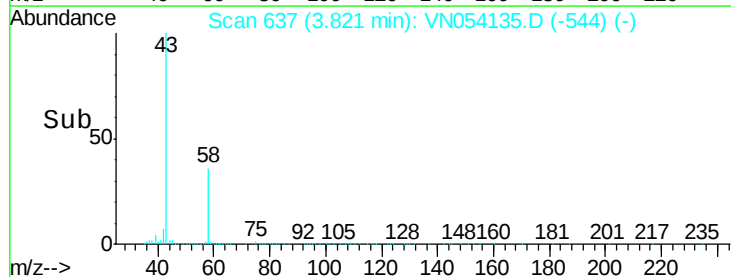
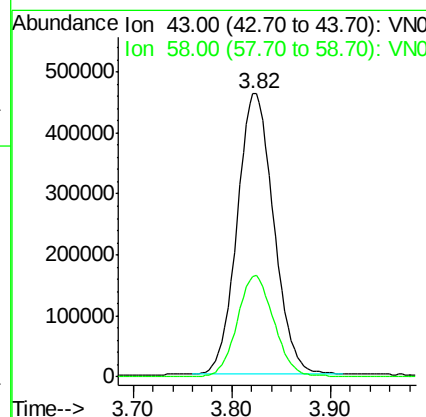
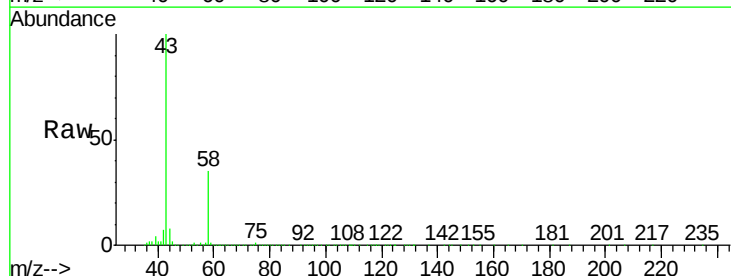
Ion	Ratio	Lower	Upper
53	100		
52	83.1	64.6	97.0
51	36.8	28.6	42.8

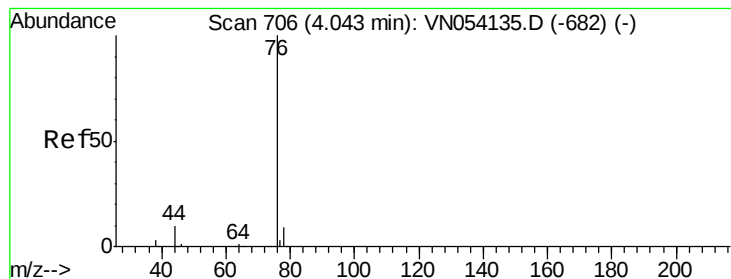


#16
 Acetone
 Concen: 260.859 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

Tgt Ion: 43 Resp: 1185844

Ion	Ratio	Lower	Upper
43	100		
58	35.5	26.5	39.7





#17

Carbon Disulfide

Concen: 45.925 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

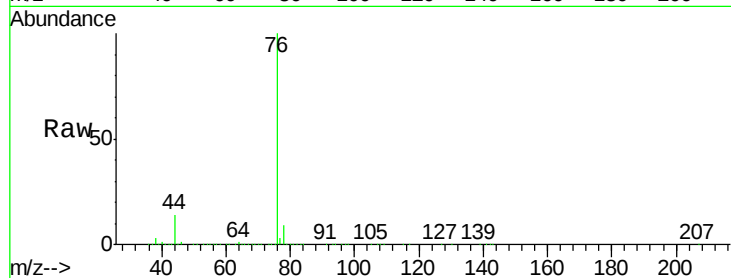
VSTDICCC050

Tot Ion: 76 Resp: 1860021

Ion Ratio Lower Upper

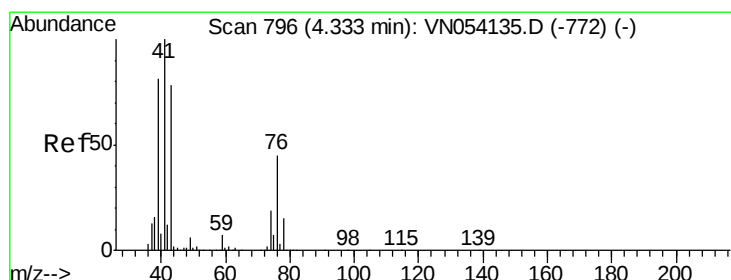
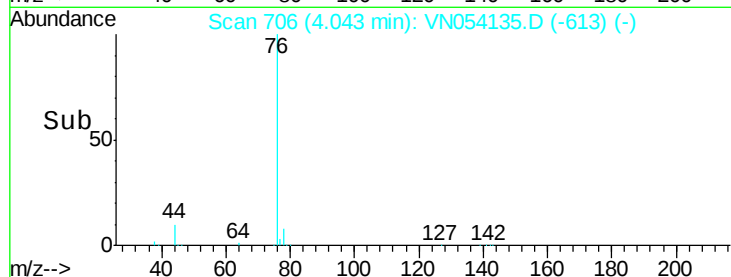
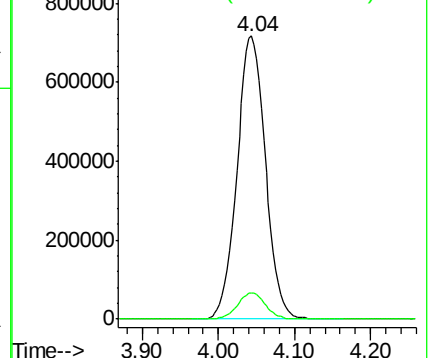
76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 46.905 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054135.D

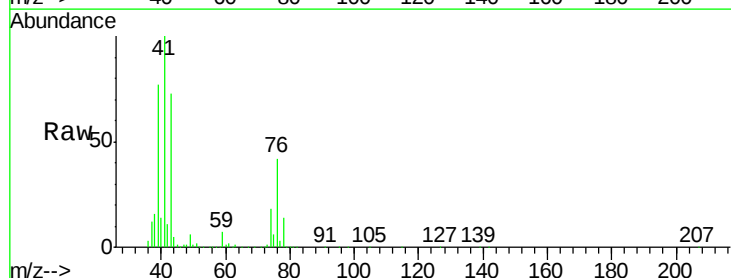
Acq: 11 Mar 2019 11:30

Tgt Ion: 43 Resp: 533985

Ion Ratio Lower Upper

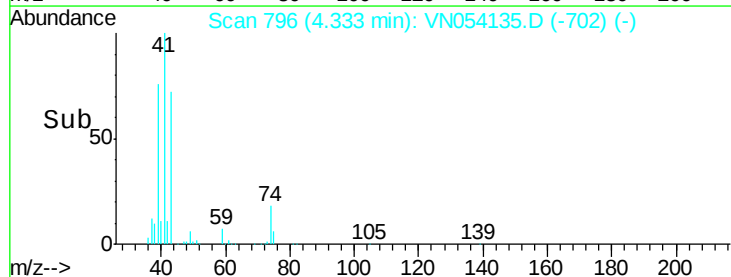
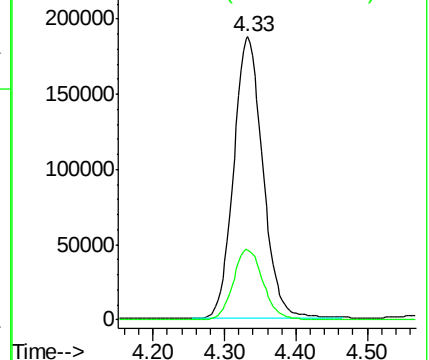
43 100

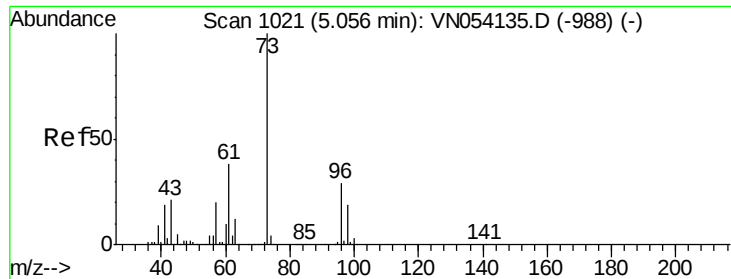
74 26.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

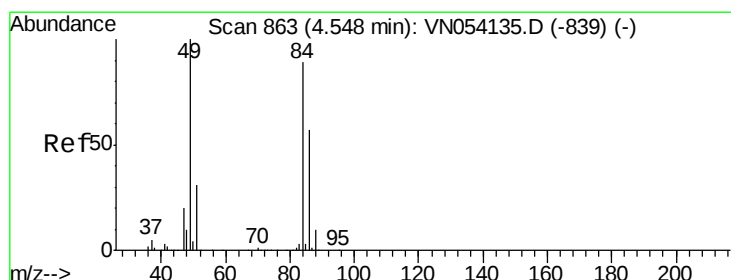
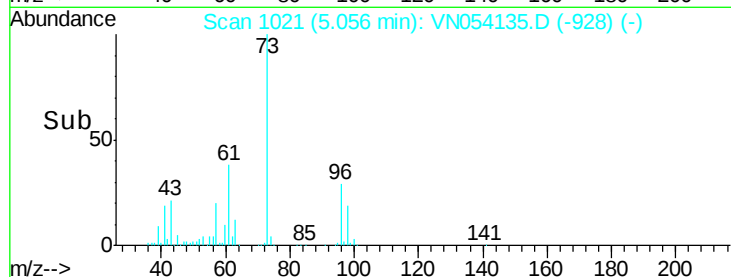
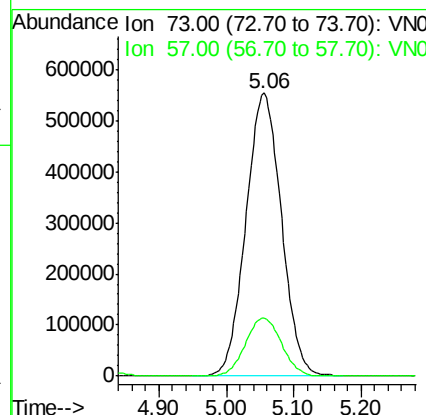
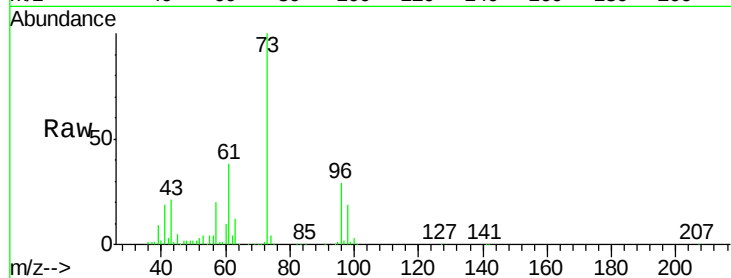




#19
Methyl tert-butyl Ether
Concen: 47.573 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

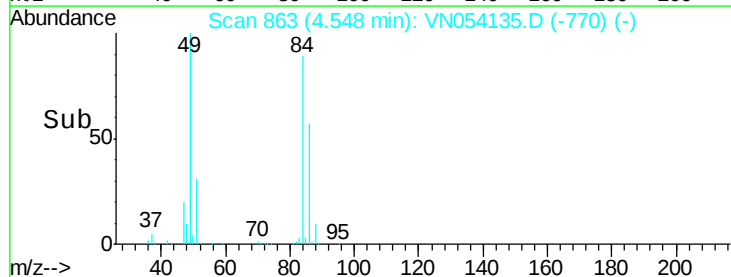
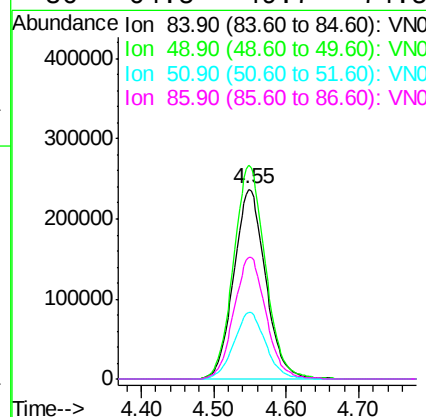
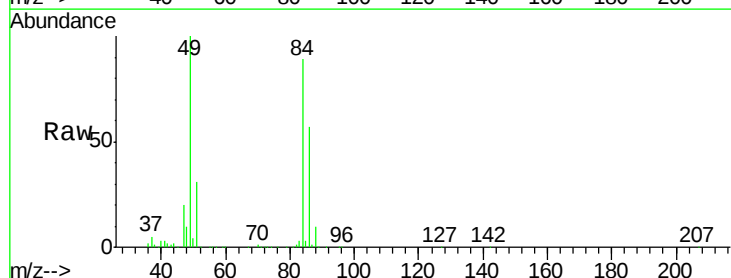
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

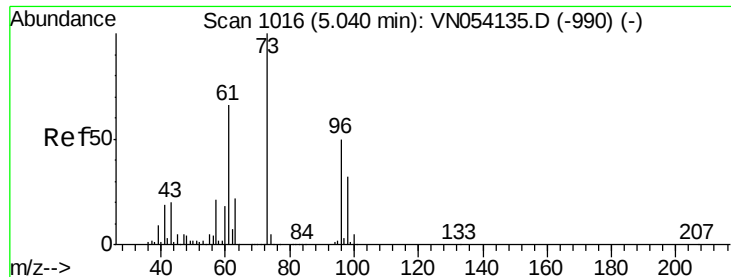
Tot Ion: 73 Resp: 2029599
Ion Ratio Lower Upper
73 100
57 20.3 18.2 27.4



#20
Methylene Chloride
Concen: 45.436 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Tgt Ion: 84 Resp: 723712
Ion Ratio Lower Upper
84 100
49 112.7 101.8 152.8
51 35.1 31.1 46.7
86 64.5 49.7 74.5

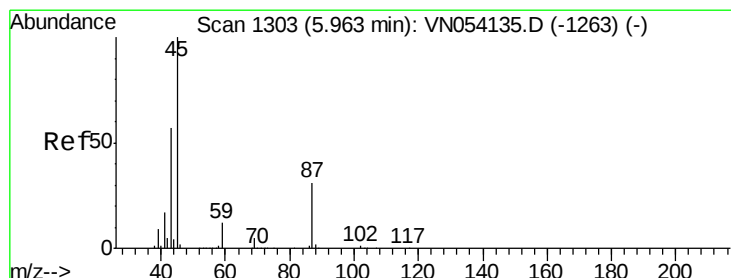
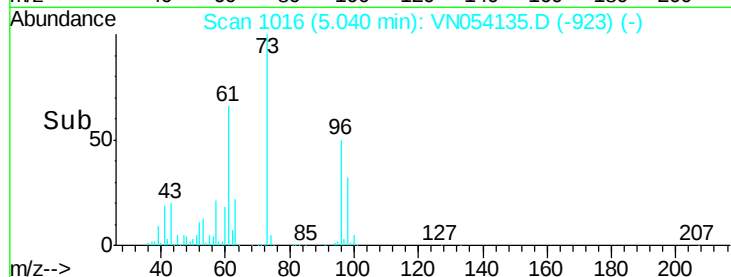
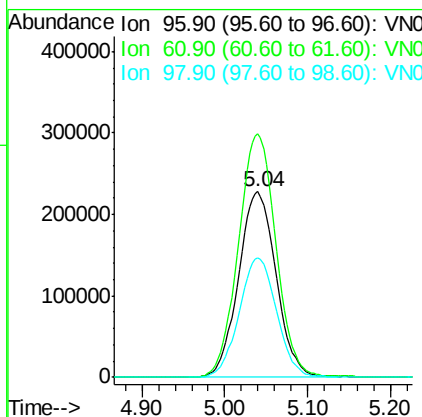
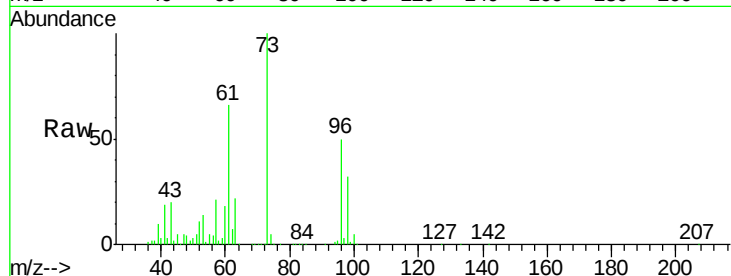




#21
trans-1,2-Dichloroethene
Concen: 46.640 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

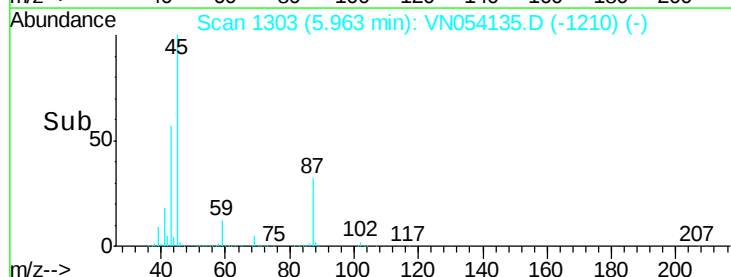
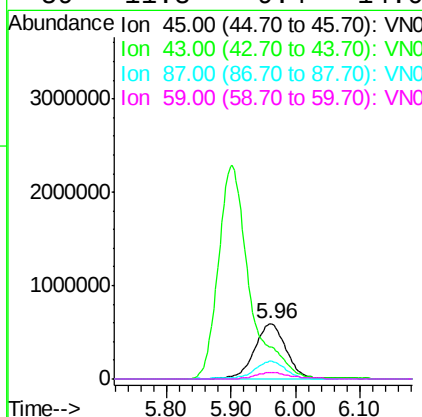
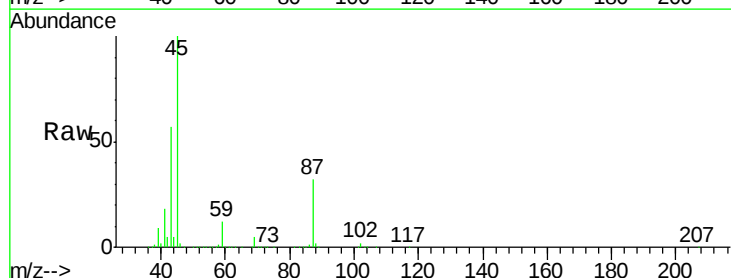
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

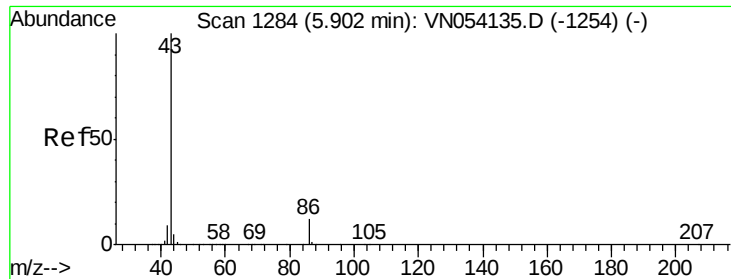
Tot Ion: 96 Resp: 718734
Ion Ratio Lower Upper
96 100
61 131.2 114.8 172.2
98 64.5 51.4 77.0



#22
Diisopropyl ether
Concen: 48.426 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Tgt Ion: 45 Resp: 2034302
Ion Ratio Lower Upper
45 100
43 56.6 46.2 69.4
87 31.7 20.6 31.0#
59 11.8 9.4 14.0





#23

Vinyl Acetate

Concen: 243.467 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

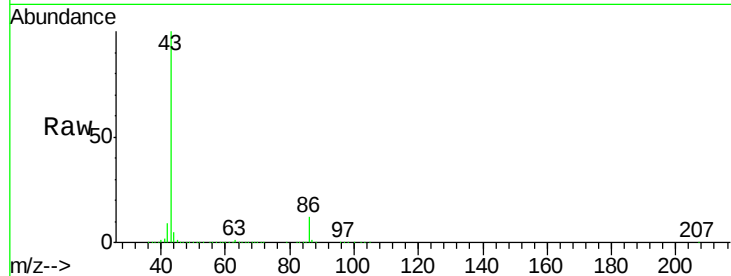
VSTDICCC050

Tot Ion: 43 Resp: 7722569

Ion Ratio Lower Upper

43 100

86 11.6 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

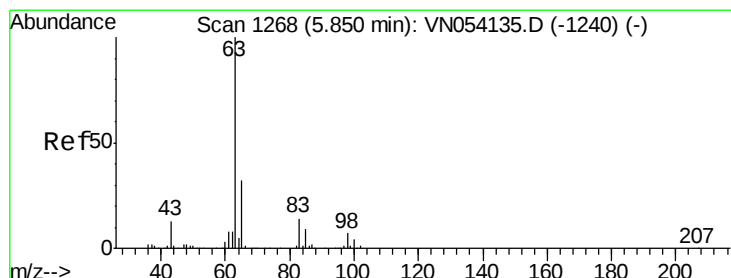
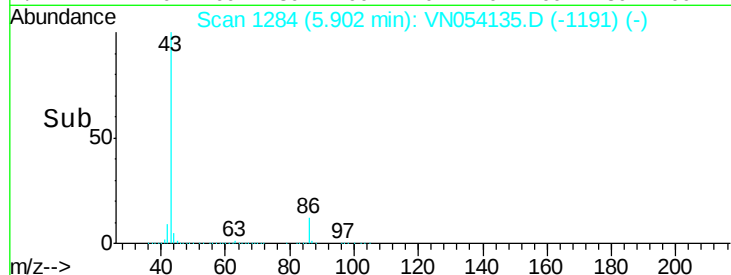
1000000

500000

0

Time-->

5.80 6.00 6.20



#24

1,1-Dichloroethane

Concen: 47.278 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

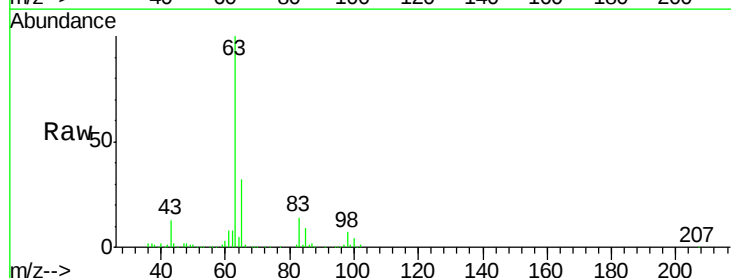
Tgt Ion: 63 Resp: 1287527

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.4

100 4.2 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

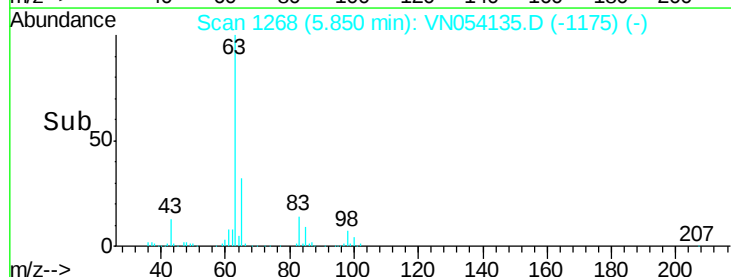
200000

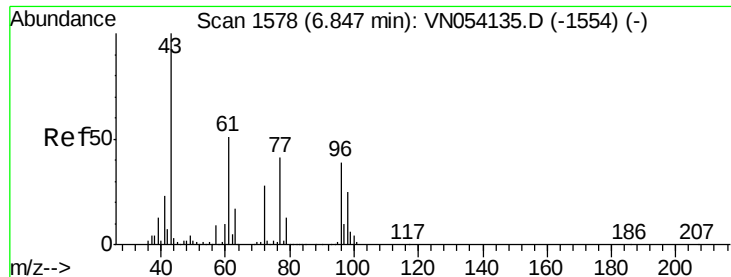
100000

0

Time-->

5.70 5.80 5.90 6.00

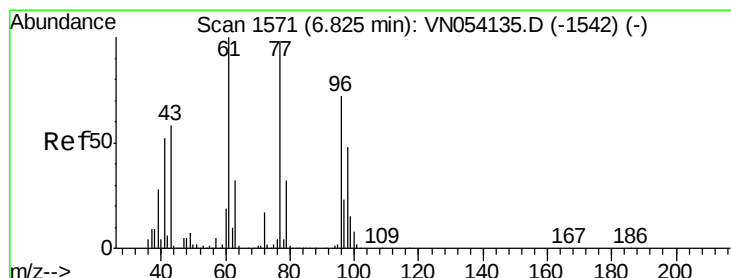
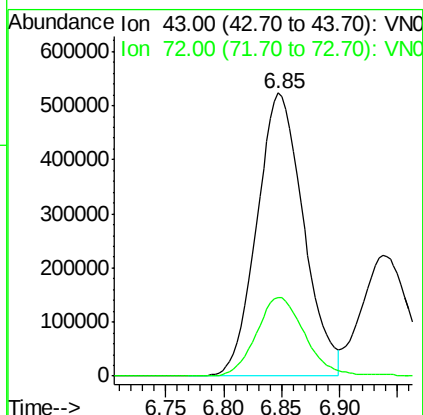
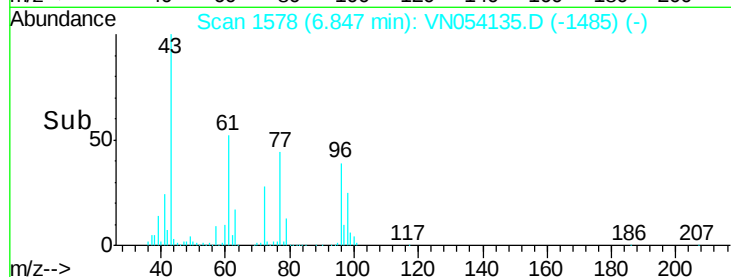
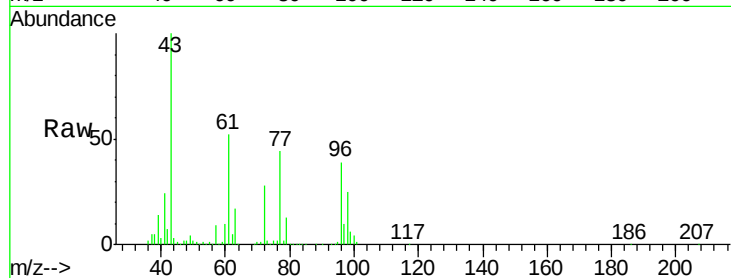




#25
2-Butanone
Concen: 246.136 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

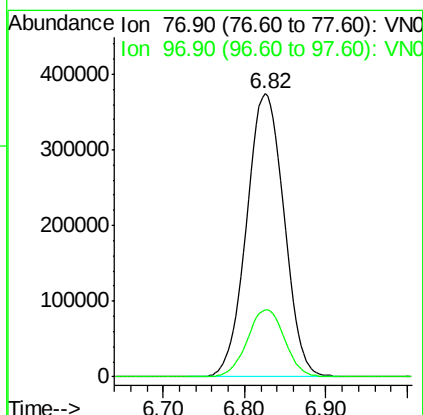
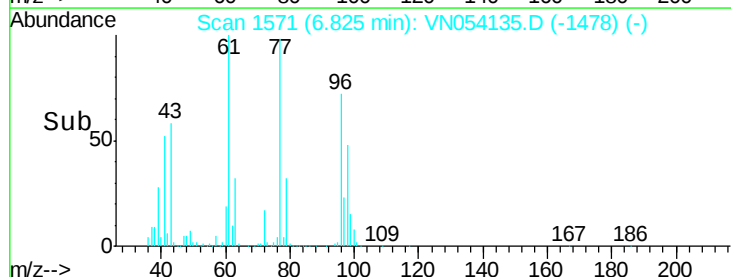
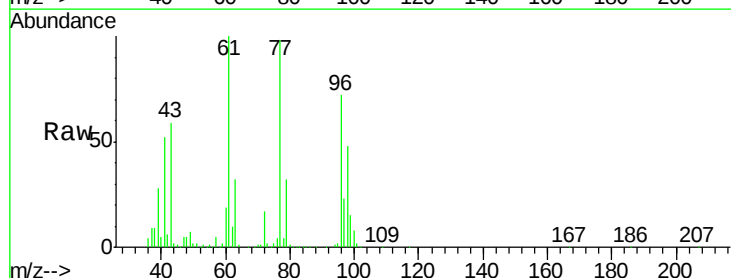
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

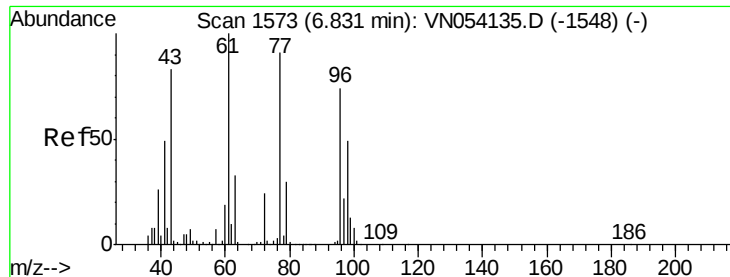
Tot Ion: 43 Resp: 1454203
Ion Ratio Lower Upper
43 100
72 27.9 20.2 30.2



#26
2,2-Dichloropropane
Concen: 47.336 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Tgt Ion: 77 Resp: 1190466
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 47.868 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

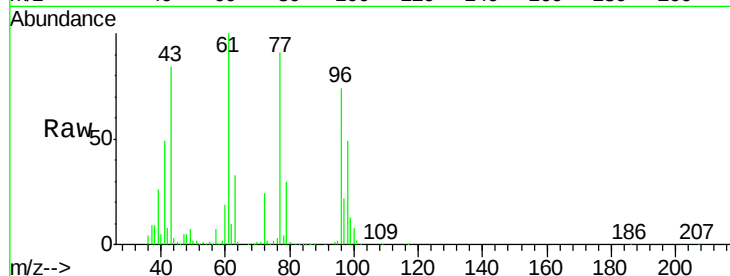
Tot Ion: 96 Resp: 843776

Ion Ratio Lower Upper

96 100

61 137.0 0.0 297.0

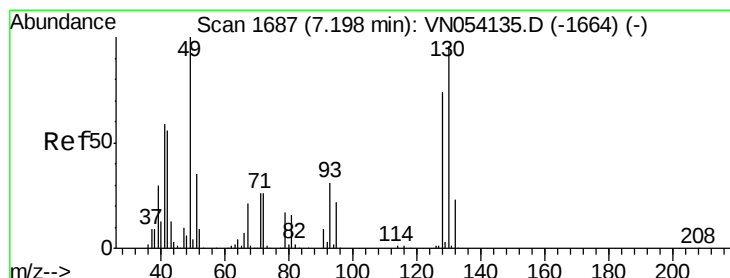
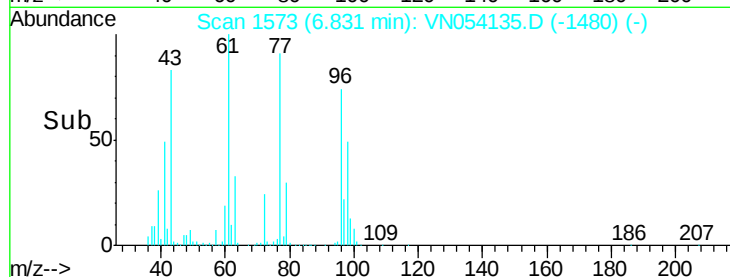
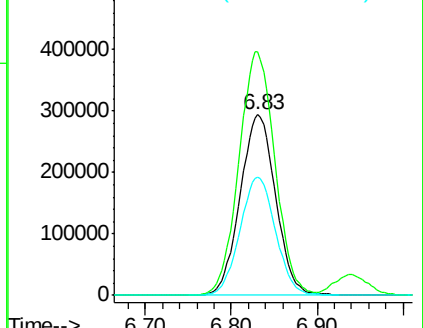
98 65.8 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN054135.D (-1548) (-)

Ion 60.90 (60.60 to 61.60): VN054135.D (-1548) (-)

Ion 97.90 (97.60 to 98.60): VN054135.D (-1548) (-)



#28

Bromochloromethane

Concen: 51.618 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

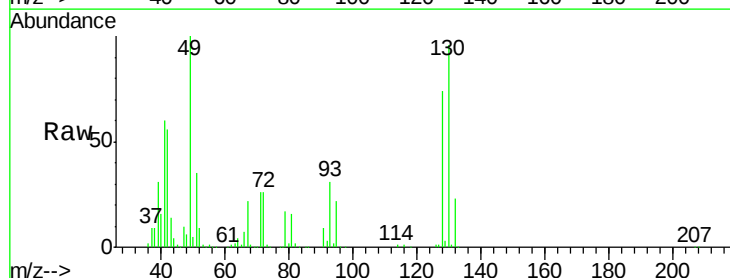
Tgt Ion: 49 Resp: 611330

Ion Ratio Lower Upper

49 100

129 2.7 0.0 3.8

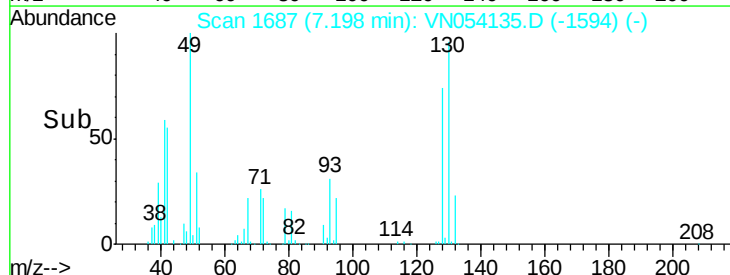
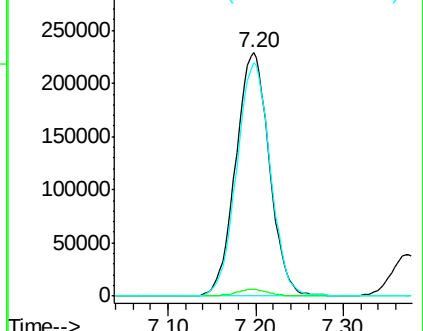
130 95.6 59.4 89.2#

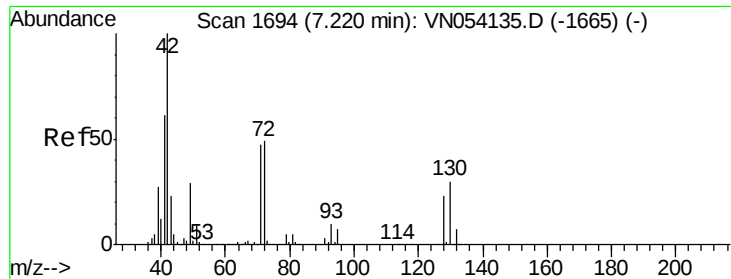


Abundance Ion 48.90 (48.60 to 49.60): VN054135.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN054135.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN054135.D (-1664) (-)

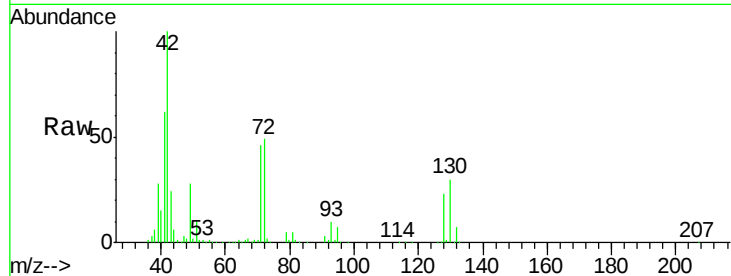




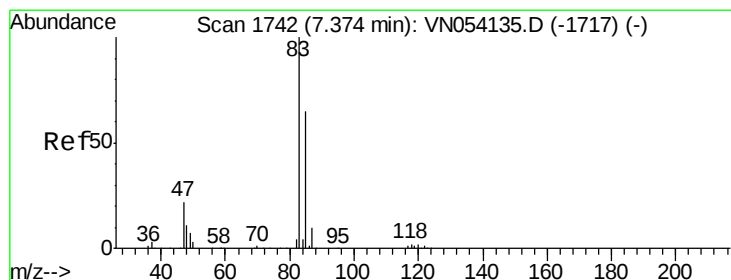
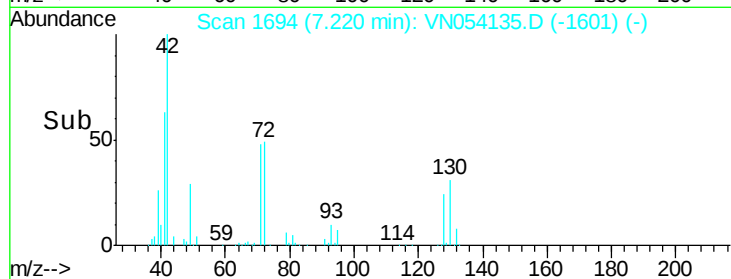
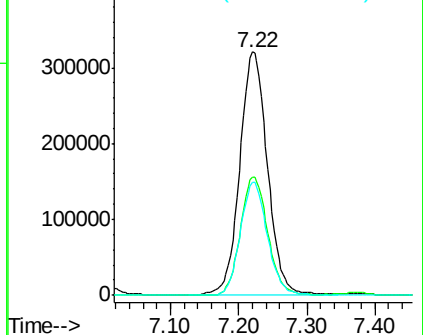
#29
Tetrahydrofuran
Concen: 237.721 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 42 Resp: 902390
Ion Ratio Lower Upper
42 100
72 47.9 32.8 49.2
71 45.4 30.5 45.7

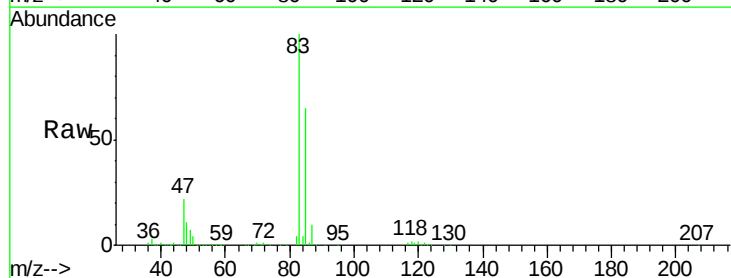


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

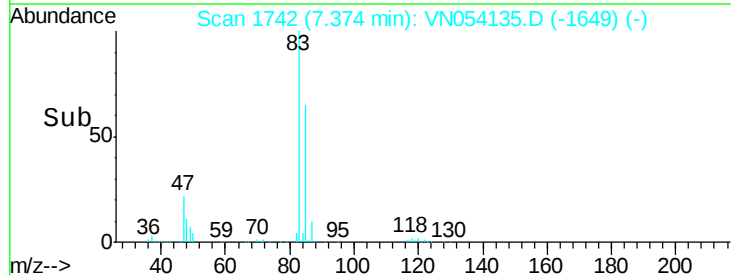
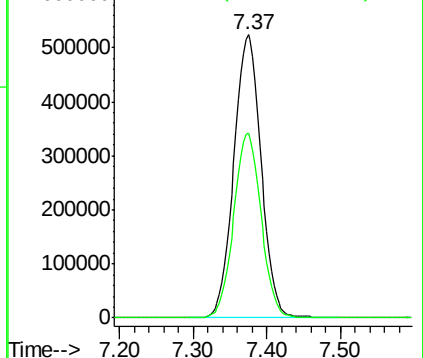


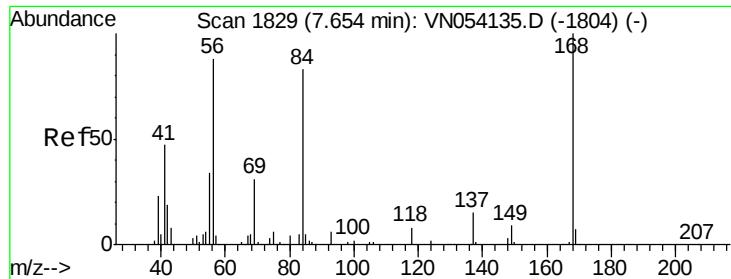
#30
Chloroform
Concen: 46.849 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Tgt Ion: 83 Resp: 1351056
Ion Ratio Lower Upper
83 100
85 65.3 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: 49.527 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

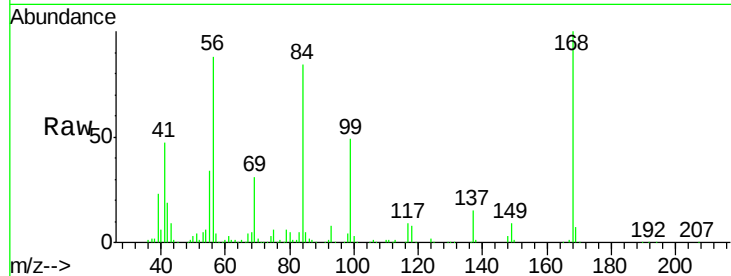
Tot Ion: 56 Resp: 1136151

Ion Ratio Lower Upper

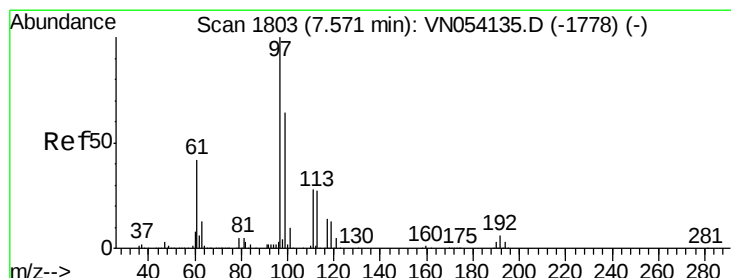
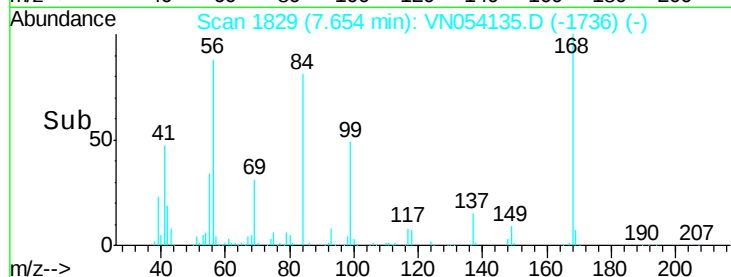
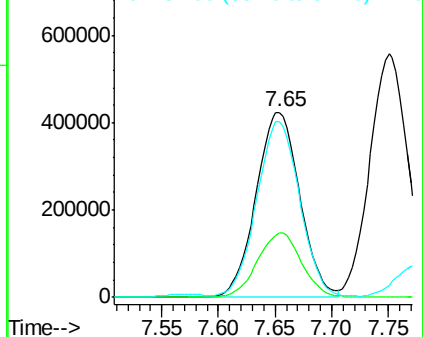
56 100

69 34.5 25.5 38.3

84 93.6 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: 47.309 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

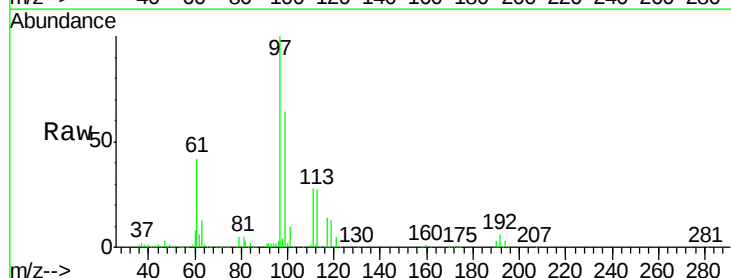
Tgt Ion: 97 Resp: 1234924

Ion Ratio Lower Upper

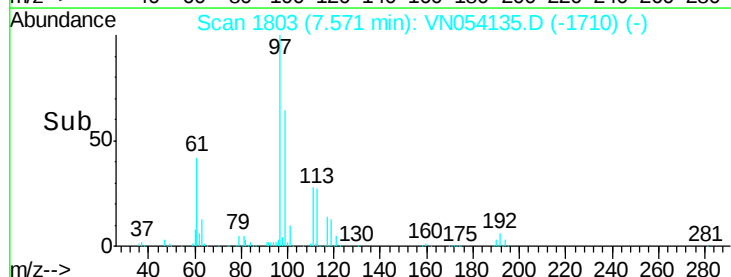
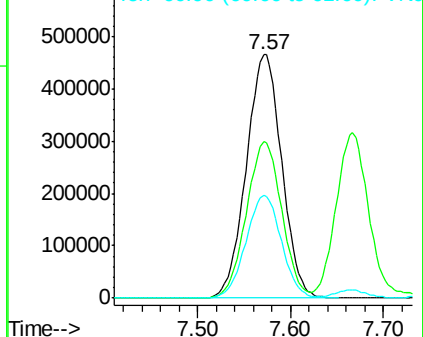
97 100

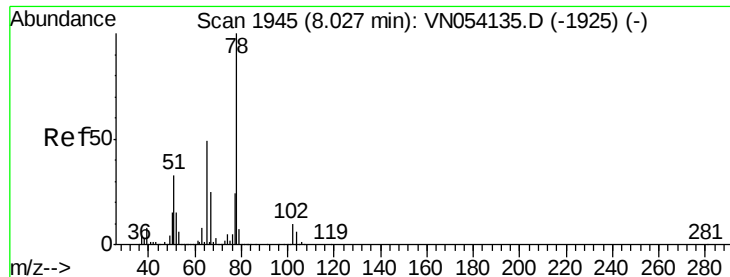
99 64.3 51.2 76.8

61 42.3 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

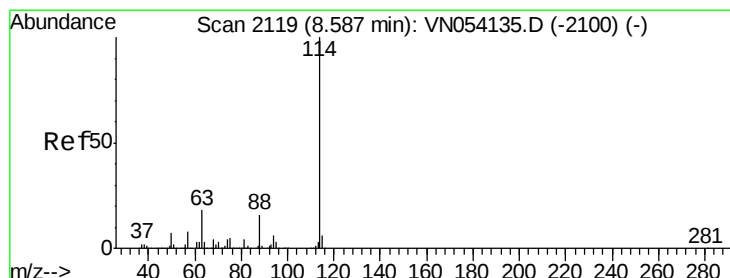
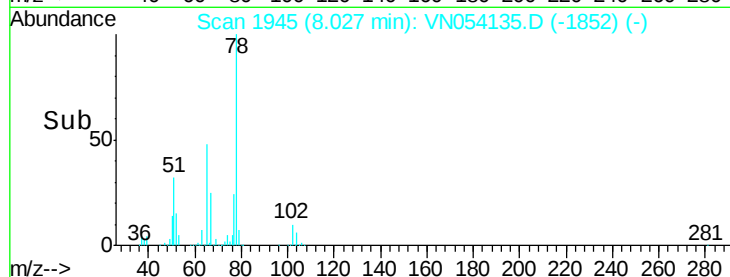
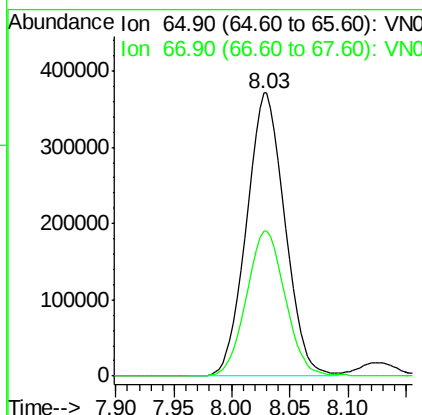
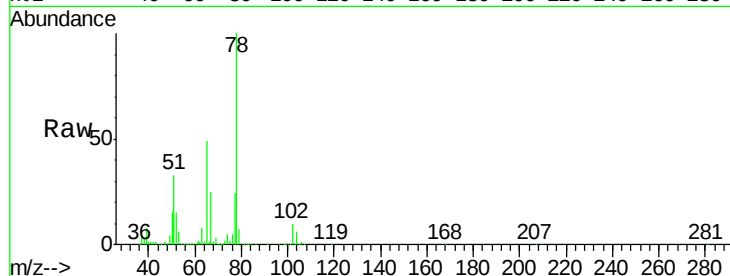




#33
 1,2-Dichloroethane-d4
 Concen: 48.333 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

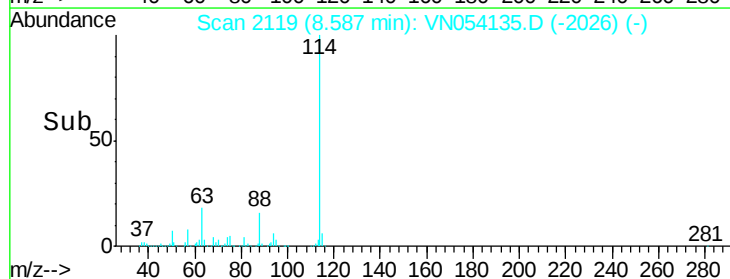
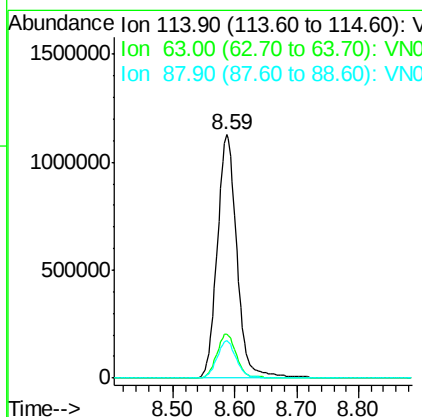
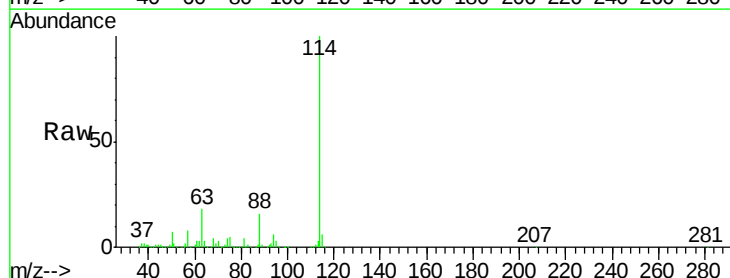
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

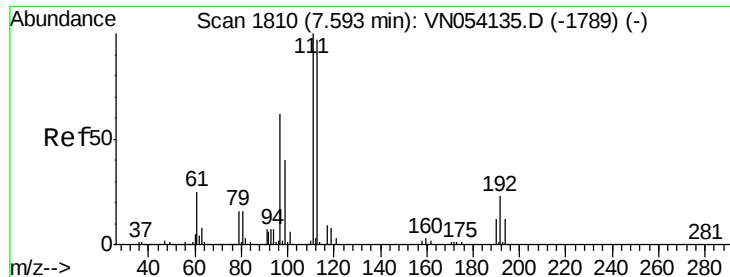
Tot Ion: 65 Resp: 855998
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

Tgt Ion: 114 Resp: 2487804
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 42.6
 88 15.5 0.0 31.8

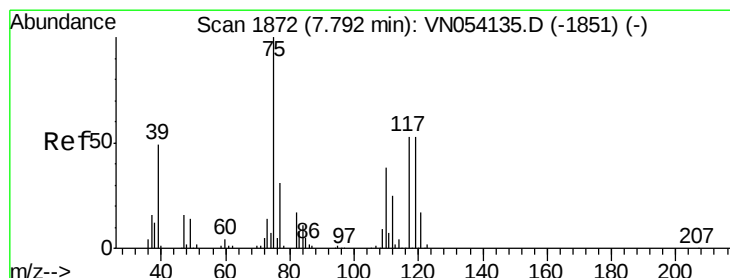
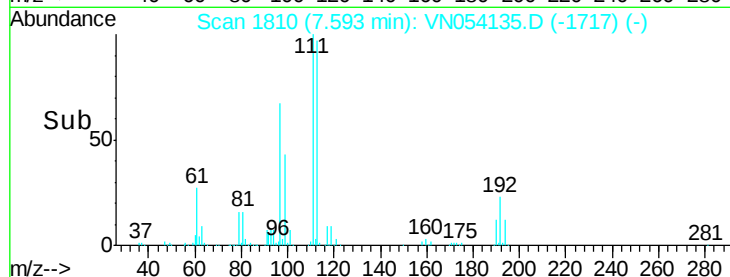
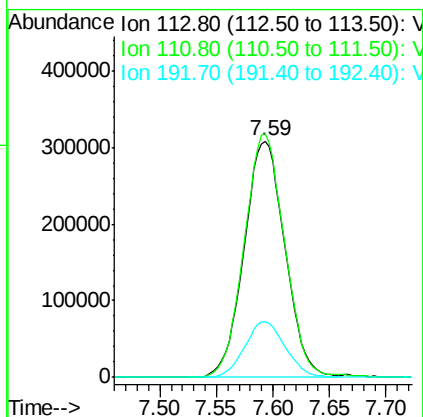
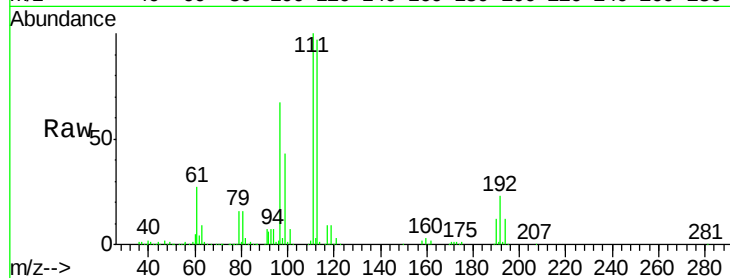




#35
 Dibromofluoromethane
 Concen: 48.291 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

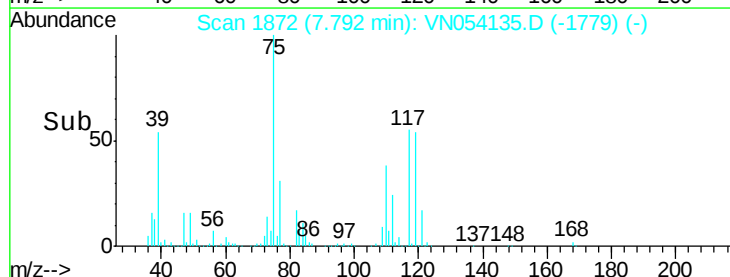
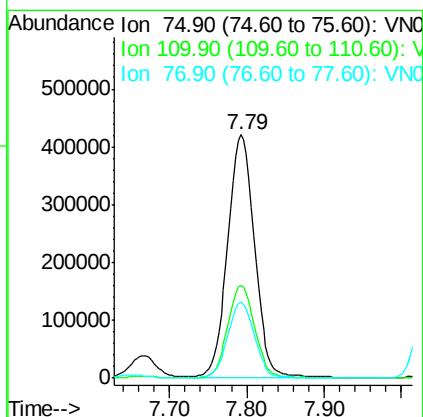
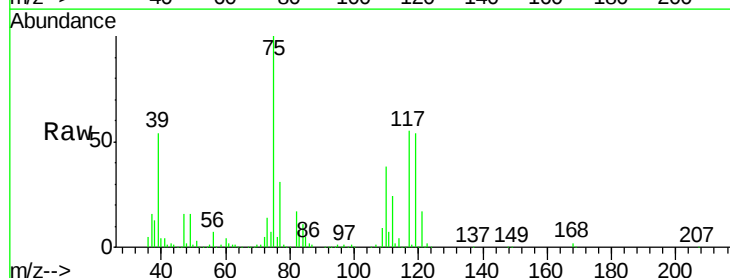
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

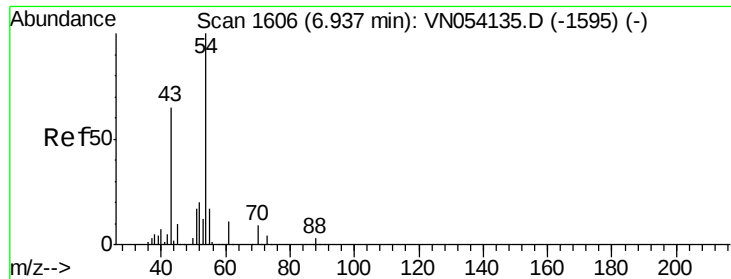
Tot Ion:113 Resp: 775119
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.1 123.1
 192 23.5 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 46.788 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

Tgt Ion: 75 Resp: 1013054
 Ion Ratio Lower Upper
 75 100
 110 38.3 18.0 54.0
 77 31.3 25.3 37.9

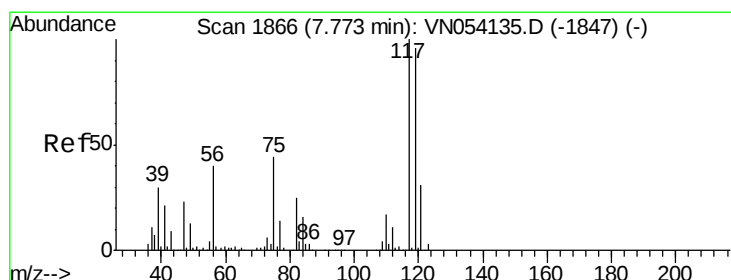
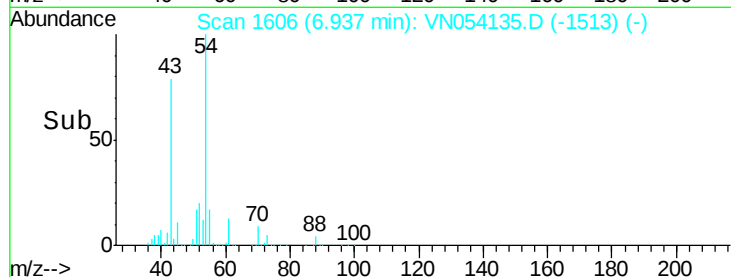
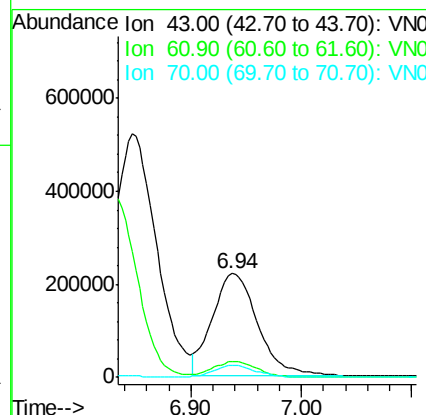
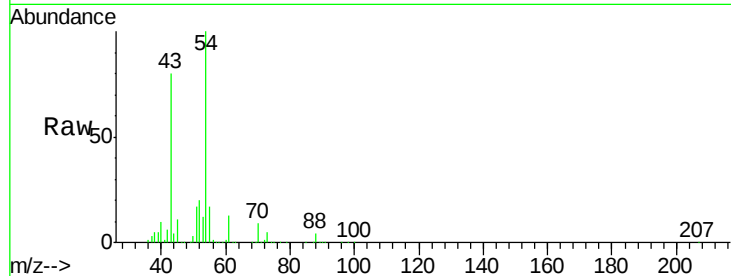




#37
Ethyl Acetate
Concen: 44.485 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

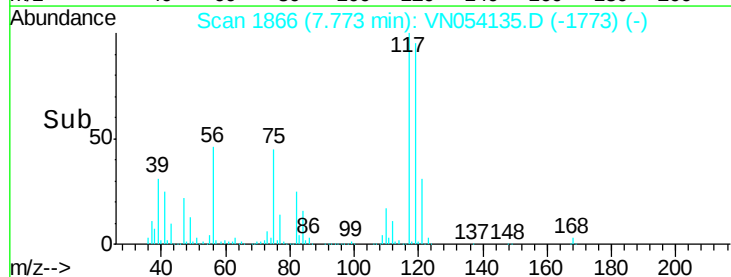
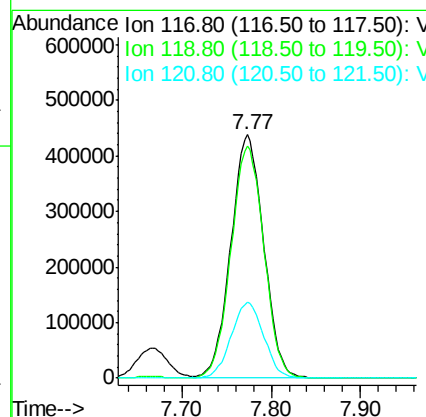
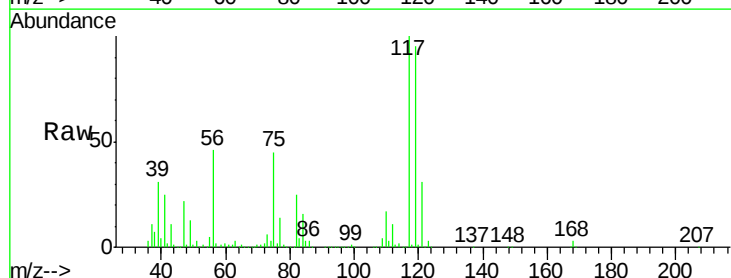
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

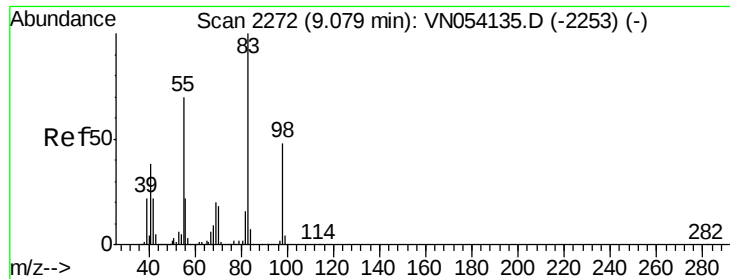
Tot Ion: 43 Resp: 624599
Ion Ratio Lower Upper
43 100
61 14.8 11.1 16.7
70 10.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 46.434 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Tgt Ion: 117 Resp: 1114514
Ion Ratio Lower Upper
117 100
119 95.2 77.0 115.6
121 31.1 24.3 36.5

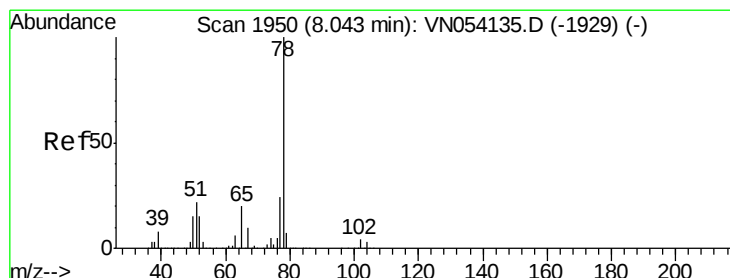
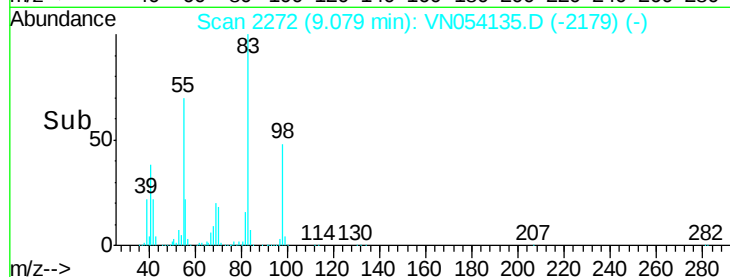
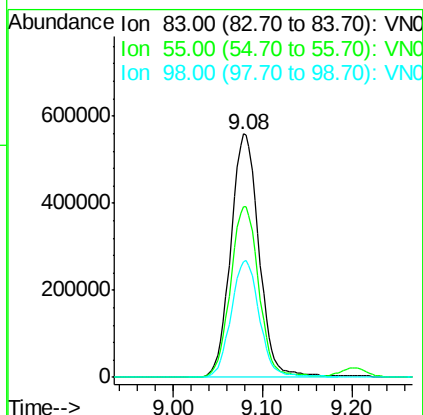
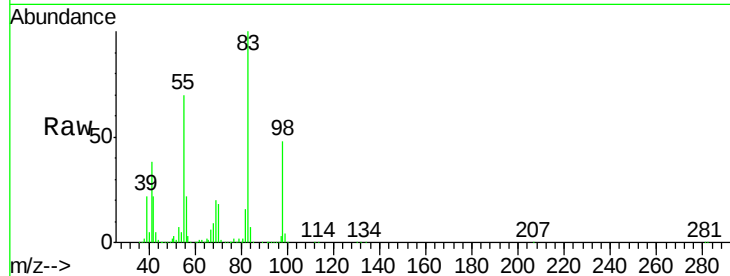




#39
Methvlcvclohexane
Concen: 46.182 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

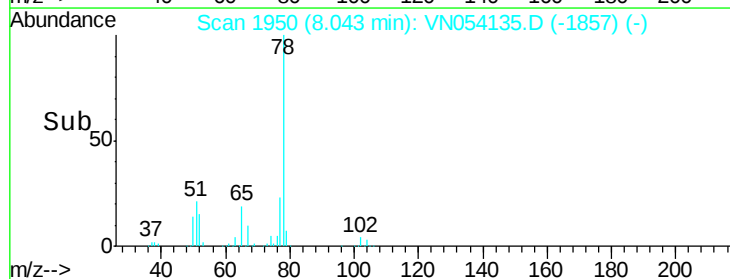
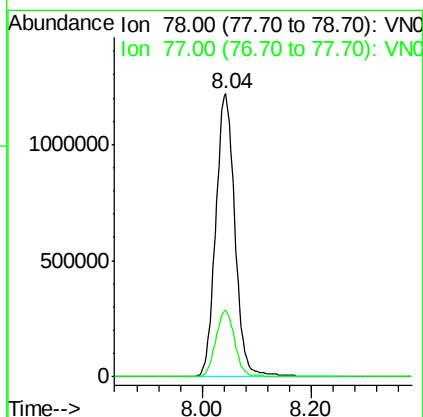
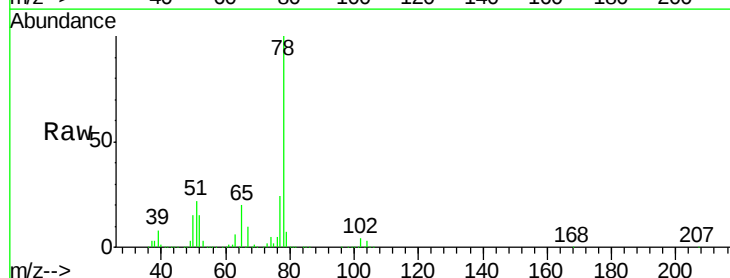
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

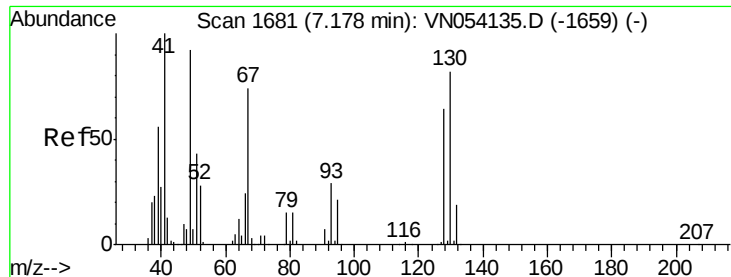
Tot Ion: 83 Resp: 1231066
Ion Ratio Lower Upper
83 100
55 70.1 62.1 93.1
98 47.7 36.0 54.0



#40
Benzene
Concen: 47.596 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Tgt Ion: 78 Resp: 2961333
Ion Ratio Lower Upper
78 100
77 23.6 18.7 28.1

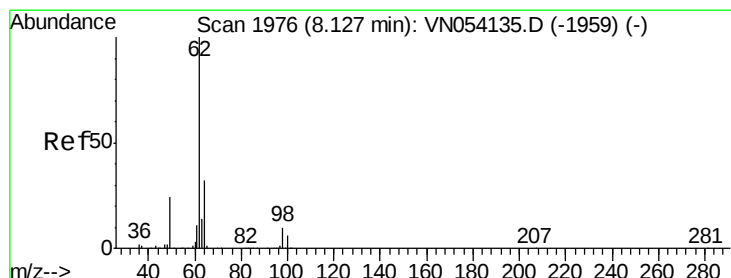
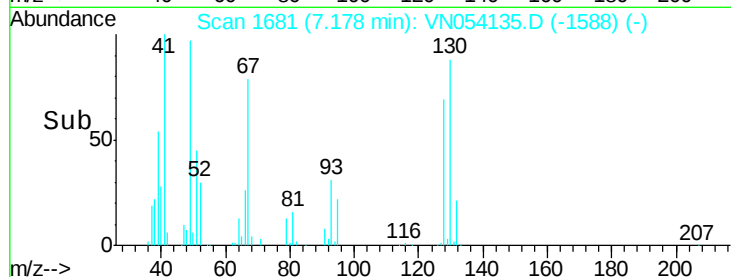
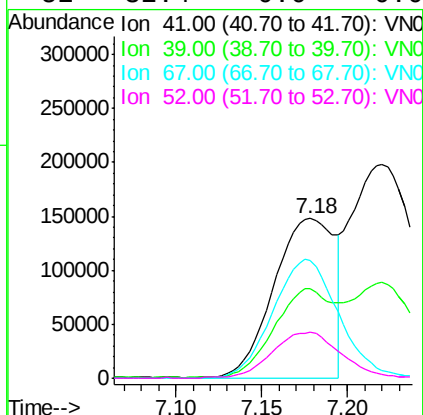
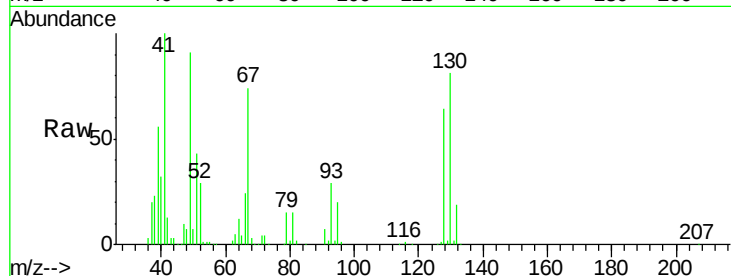




#41
Methacrylonitrile
Concen: 49.758 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

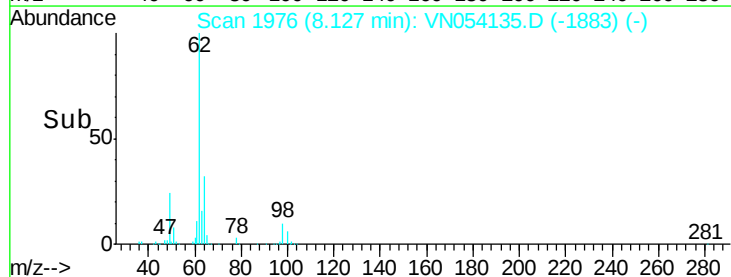
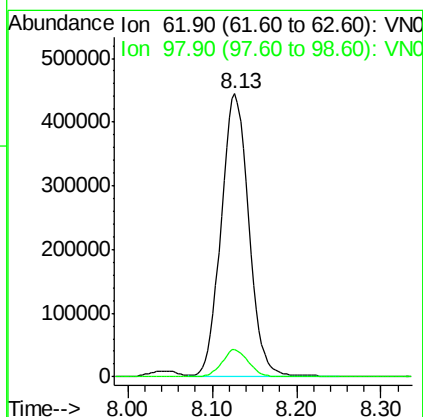
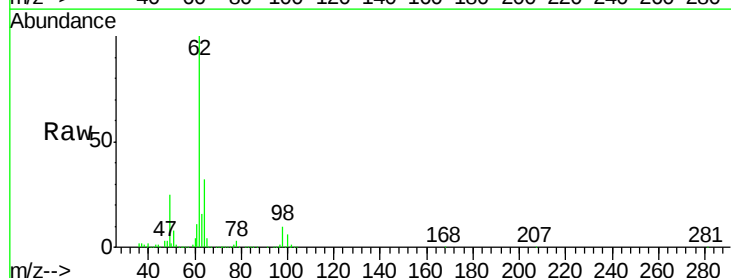
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

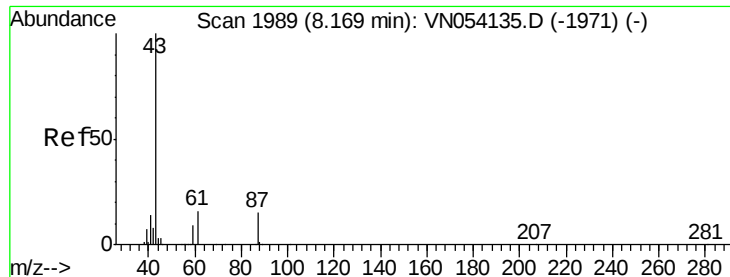
Tot Ion: 41 Resp: 363741
Ion Ratio Lower Upper
41 100
39 53.8 0.0 0.0#
67 82.0 0.0 0.0#
52 32.4 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 47.261 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Tgt Ion: 62 Resp: 1013783
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.6





#43

Isopropyl Acetate

Concen: 48.761 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

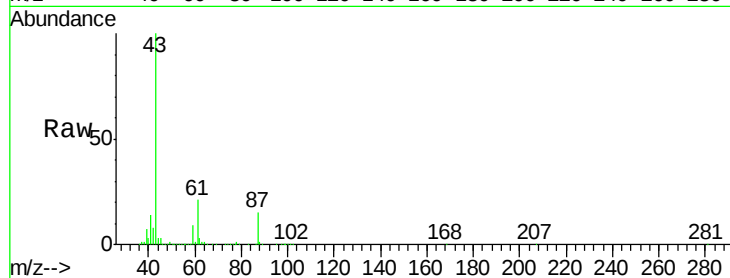
MSVOA_N

ClientSampleId :

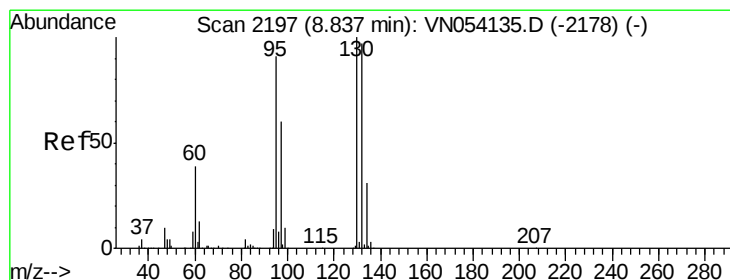
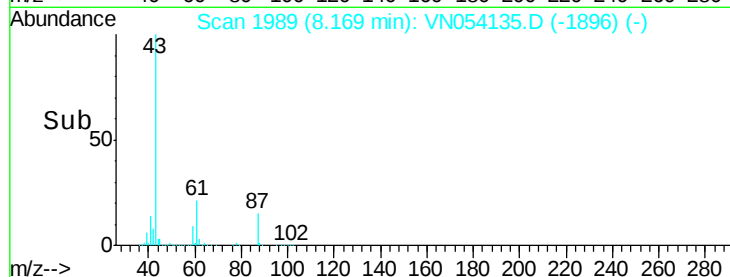
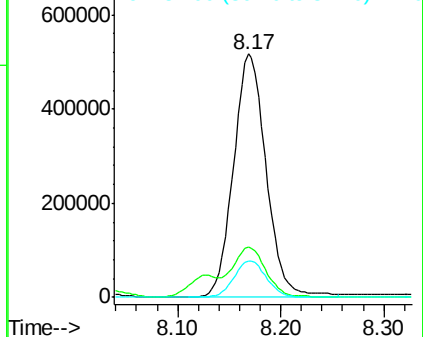
VSTDICCC050

Tot Ion: 43 Resp: 1138079

Ion	Ratio	Lower	Upper
43	100		
61	20.9	22.5	33.7#
87	15.1	10.1	15.1



Abundance Ion 43.00 (42.70 to 43.70): VN054135.D (-1971) (-)



#44

Trichloroethene

Concen: 47.414 ug/l

RT: 8.84 min Scan# 2197

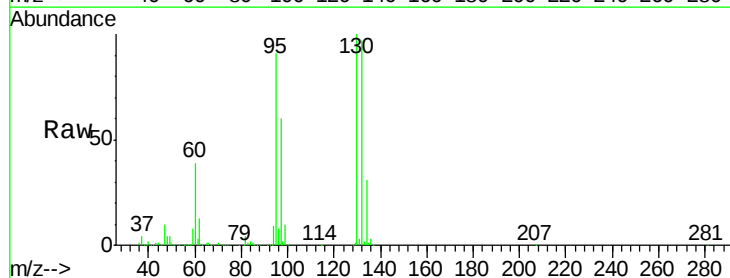
Delta R.T. 0.00 min

Lab File: VN054135.D

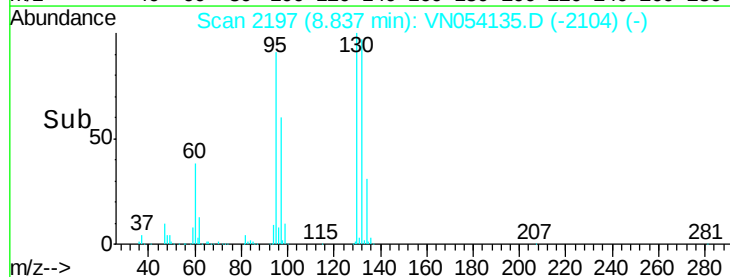
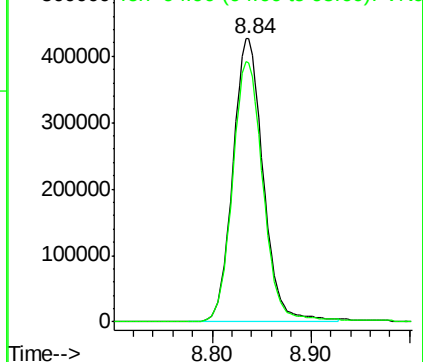
Acq: 11 Mar 2019 11:30

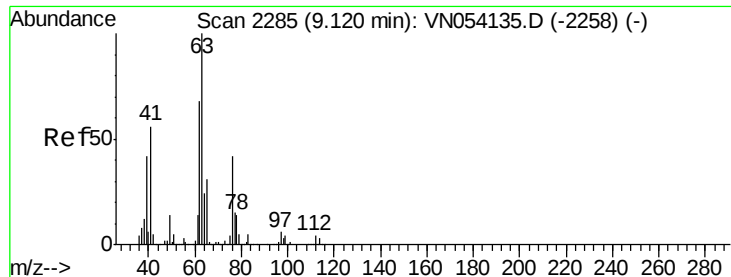
Tgt Ion: 130 Resp: 910390

Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	189.4



Abundance Ion 129.80 (129.50 to 130.50): VN054135.D (-2178) (-)





#45

1,2-Dichloropropane

Concen: 47.270 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

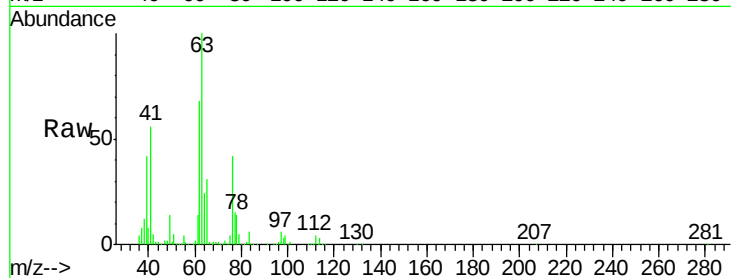
VSTDICCC050

Tot Ion: 63 Resp: 751543

Ion Ratio Lower Upper

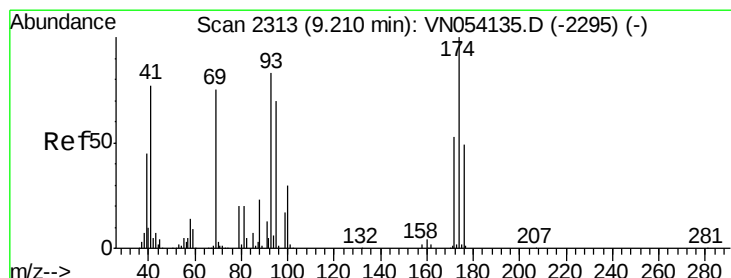
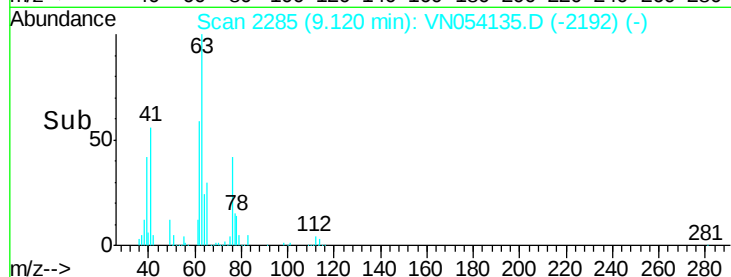
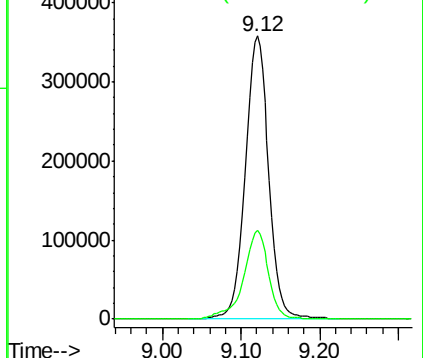
63 100

65 31.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 46.483 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

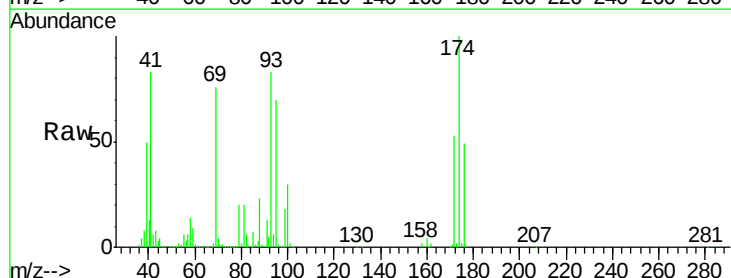
Tgt Ion: 93 Resp: 501366

Ion Ratio Lower Upper

93 100

95 83.0 66.1 99.1

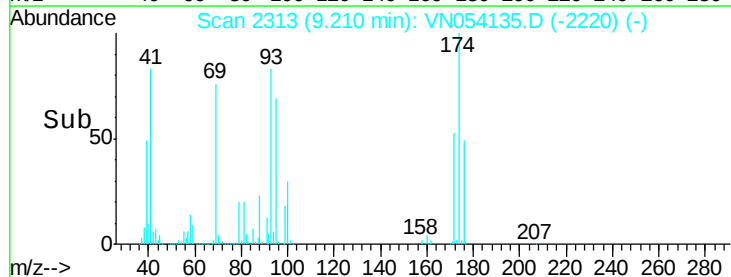
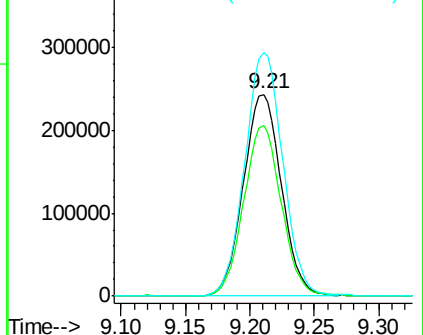
174 121.2 86.1 129.1

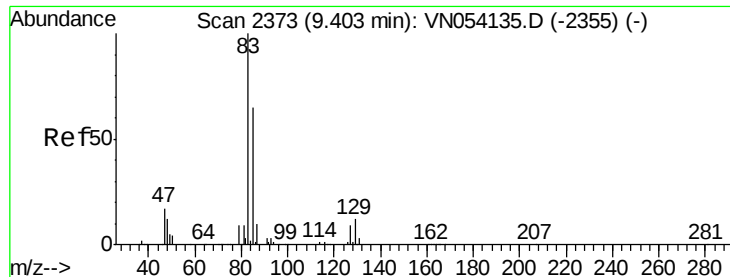


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.836 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

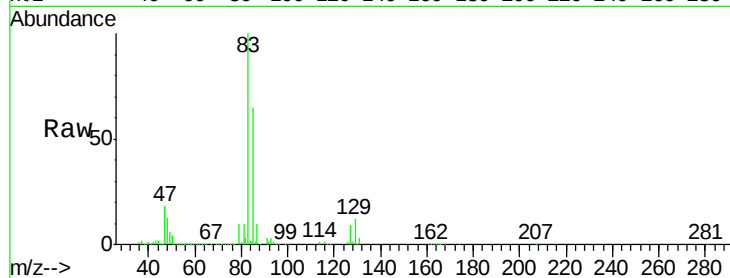
Tot Ion: 83 Resp: 1069512

Ion Ratio Lower Upper

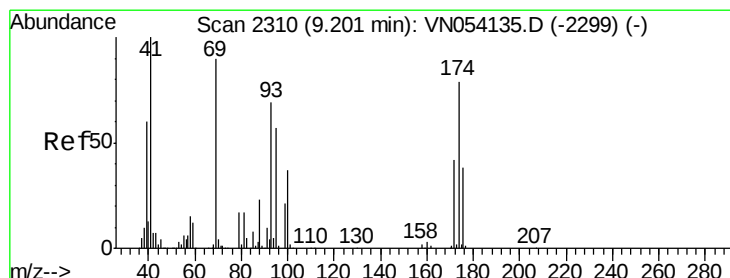
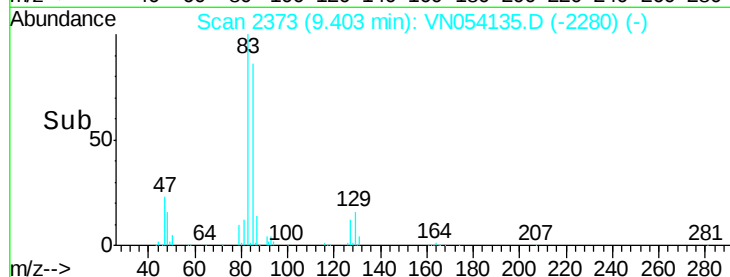
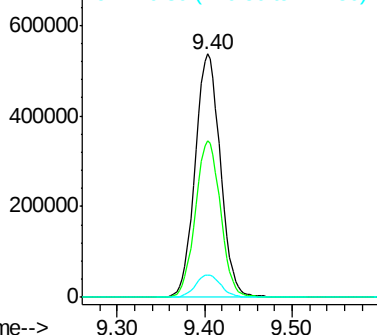
83 100

85 64.6 51.0 76.4

127 9.1 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): VN0



#48

Methyl methacrylate

Concen: 46.197 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

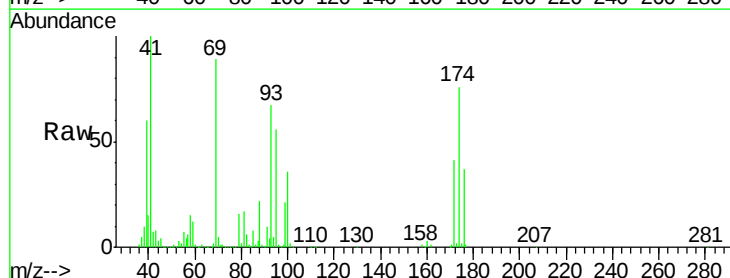
Tgt Ion: 41 Resp: 579670

Ion Ratio Lower Upper

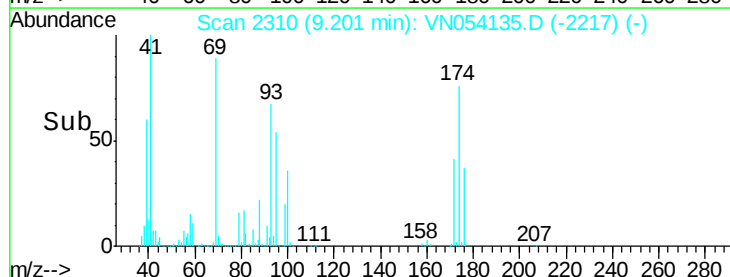
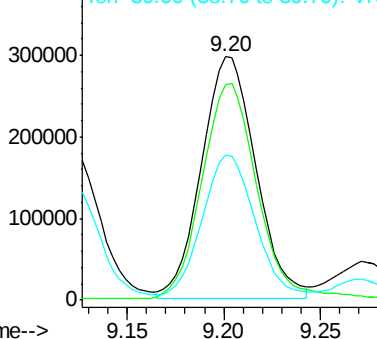
41 100

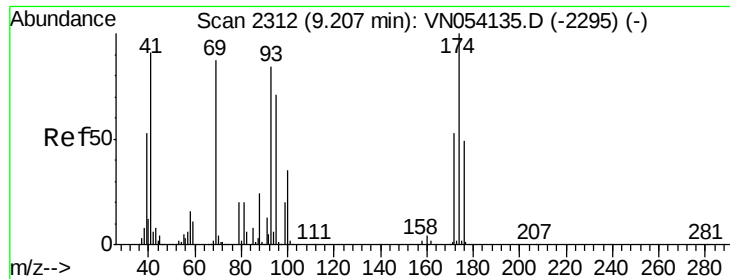
69 91.4 71.0 106.4

39 59.6 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

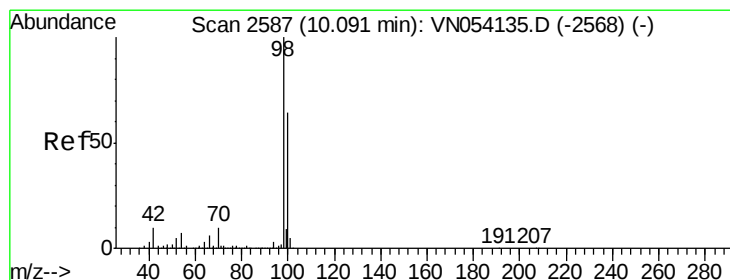
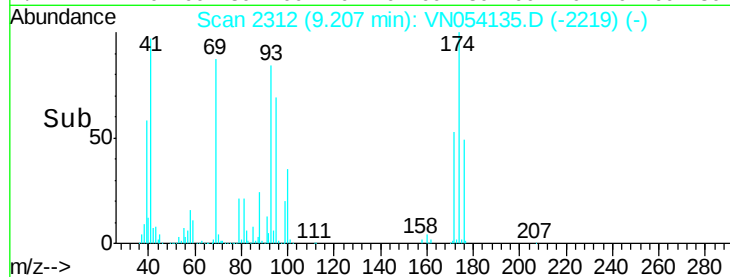
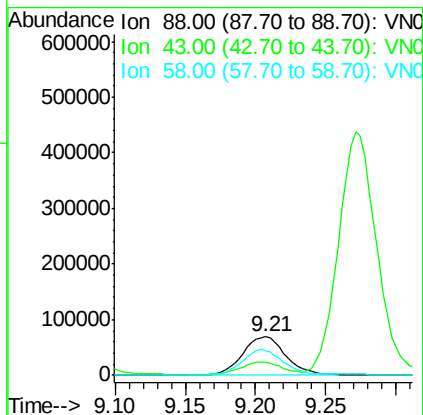
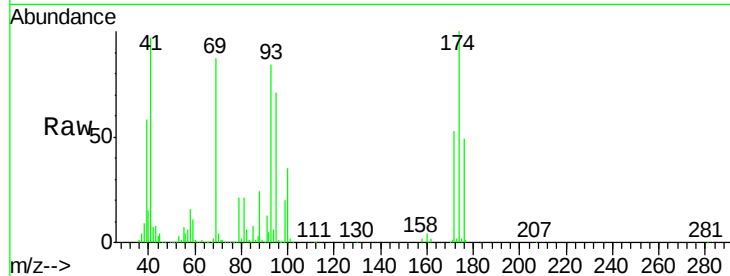




#49
1,4-Dioxane
Concen: 918.145 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

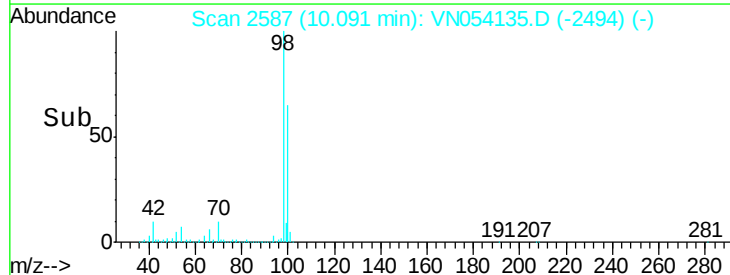
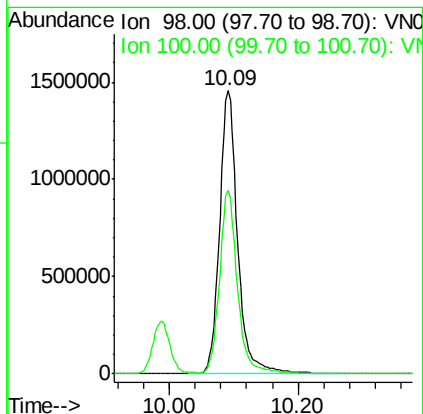
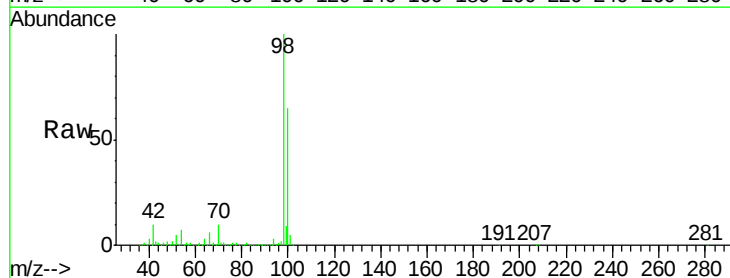
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

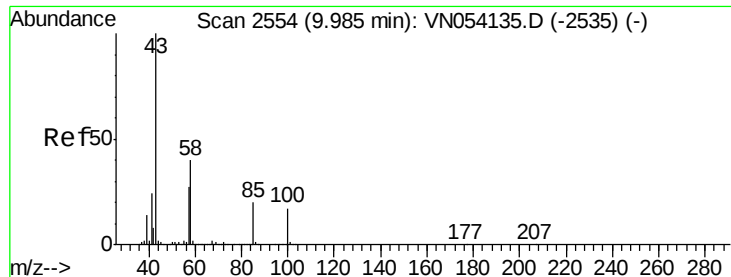
Tot Ion: 88 Resp: 149470
Ion Ratio Lower Upper
88 100
43 31.1 25.5 38.3
58 63.8 58.3 87.5



#50
Toluene-d8
Concen: 48.175 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Tgt Ion: 98 Resp: 2848618
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 238.502 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

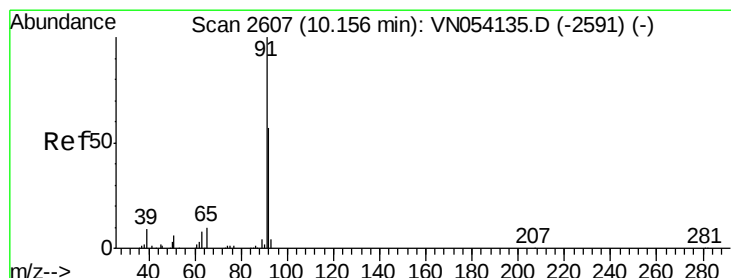
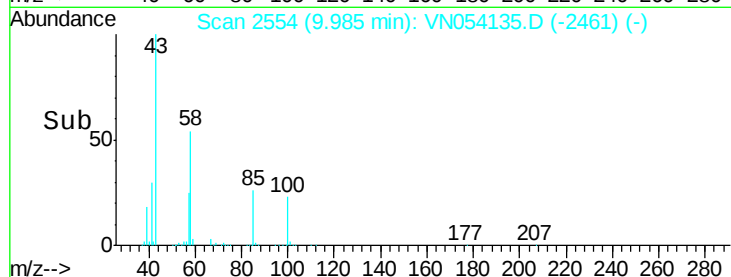
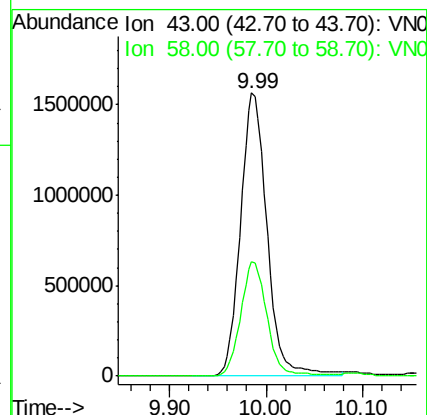
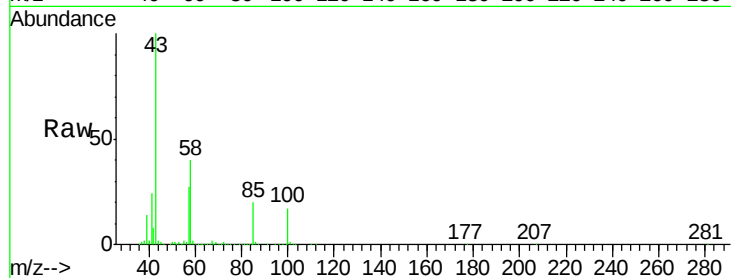
VSTDICCC050

Tot Ion: 43 Resp: 2985756

Ion Ratio Lower Upper

43 100

58 40.0 30.8 46.2



#52

Toluene

Concen: 47.431 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054135.D

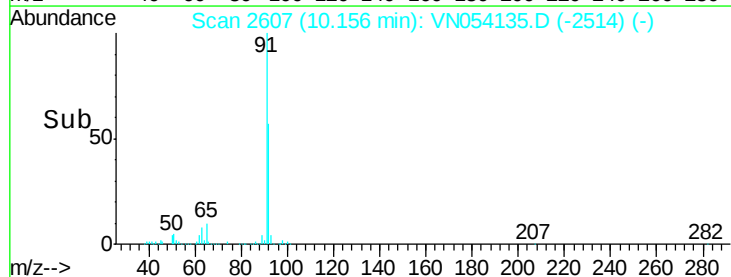
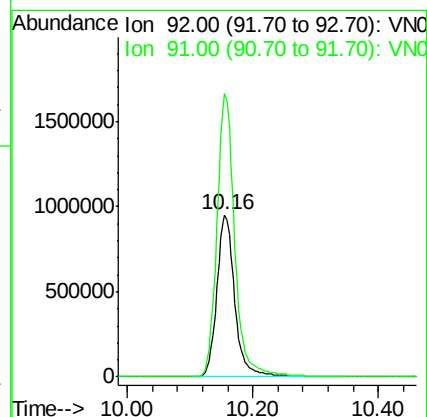
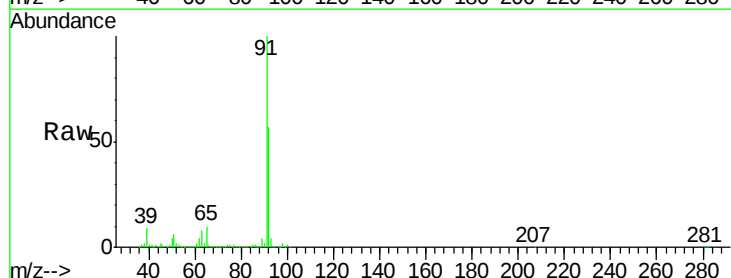
Acq: 11 Mar 2019 11:30

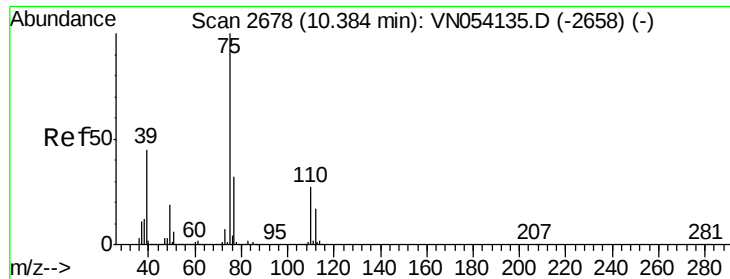
Tgt Ion: 92 Resp: 1889467

Ion Ratio Lower Upper

92 100

91 174.2 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 48.846 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

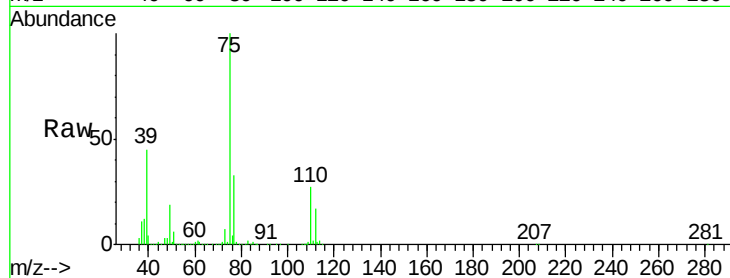
VSTDICCC050

Tot Ion: 75 Resp: 1112004

Ion Ratio Lower Upper

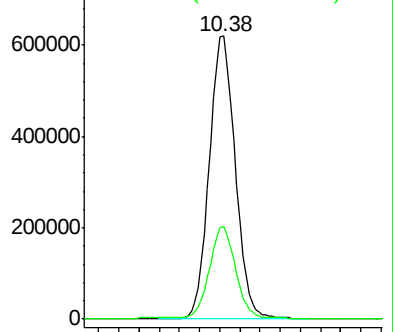
75 100

77 32.5 24.9 37.3

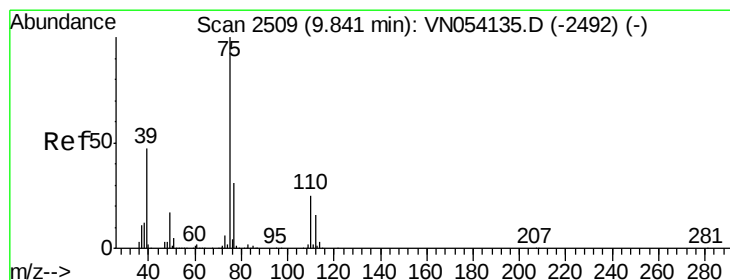
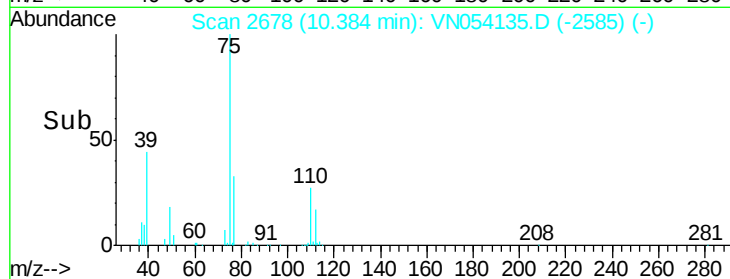


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.873 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

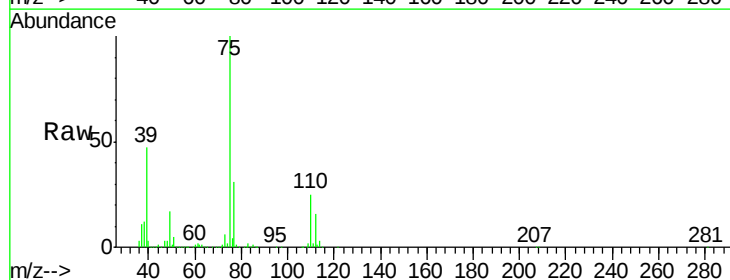
Tgt Ion: 75 Resp: 1249503

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

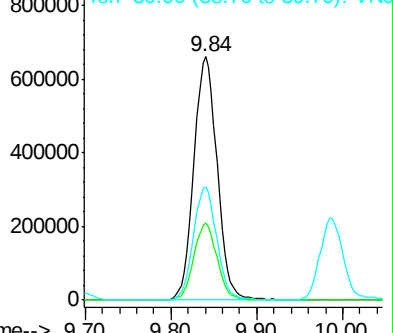
39 46.5 36.2 54.2



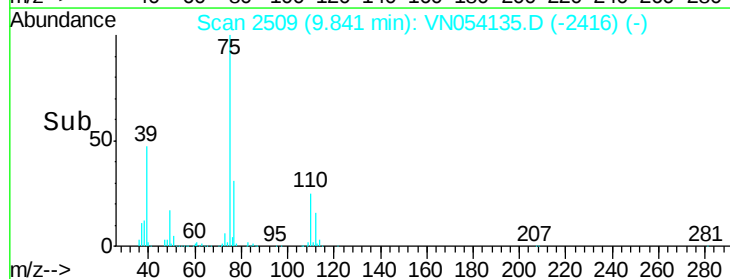
Abundance Ion 74.90 (74.60 to 75.60): VN0

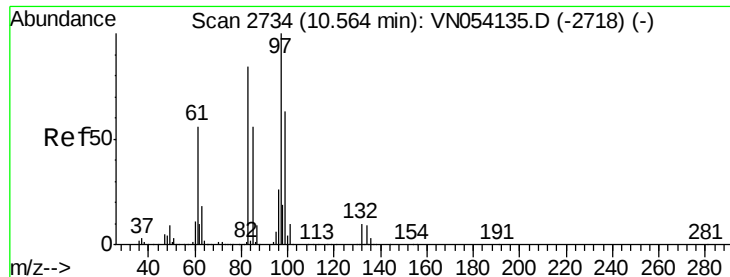
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->





#55

1,1,2-Trichloroethane

Concen: 47.493 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

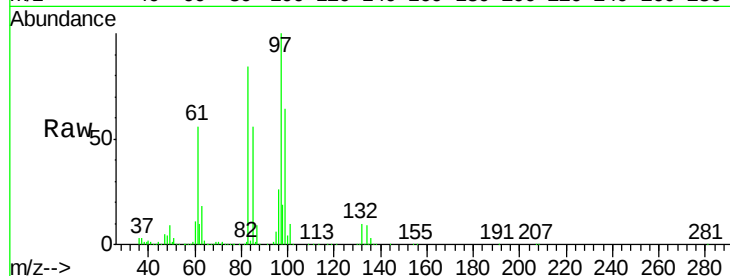
MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 713276

Ion	Ratio	Lower	Upper
97	100		
83	83.8	69.8	104.6
85	55.8	45.0	67.4
99	63.4	49.8	74.6

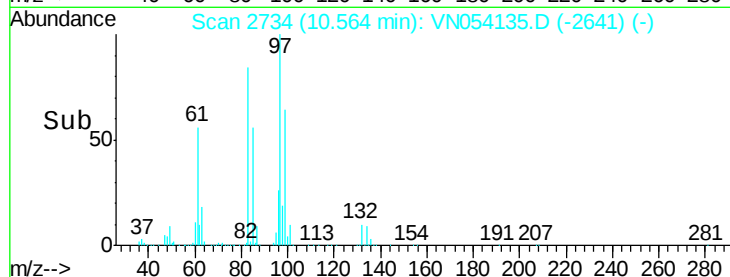


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



Time-->

10.56

400000

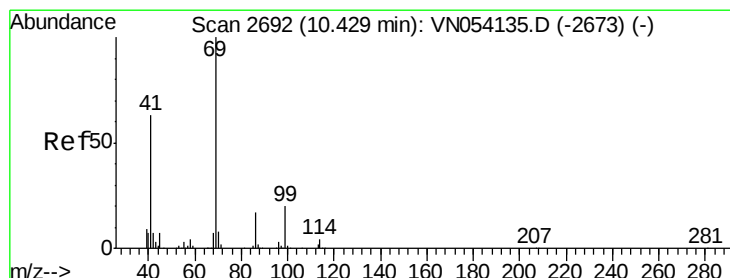
300000

200000

100000

0

10.50 10.55 10.60 10.65



#56

Ethyl methacrylate

Concen: 47.898 ug/l

RT: 10.43 min Scan# 2692

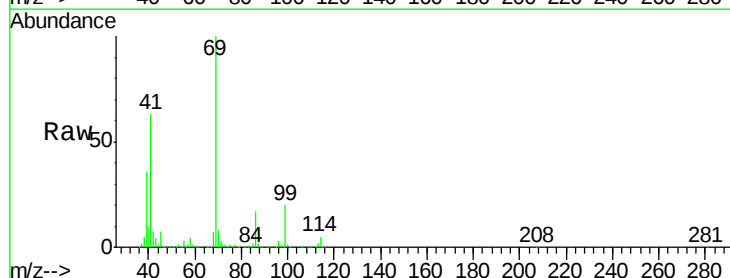
Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Tgt Ion: 69 Resp: 880484

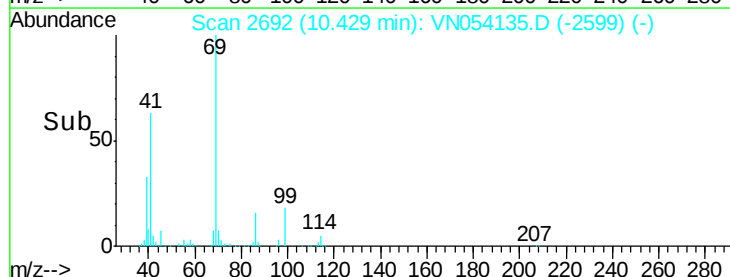
Ion	Ratio	Lower	Upper
69	100		
41	61.7	53.4	80.2
39	34.5	25.6	38.4



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

10.43

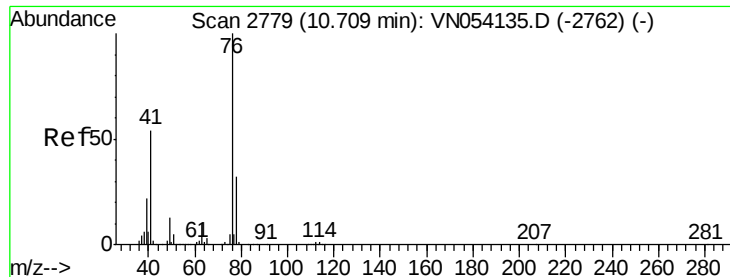
600000

400000

200000

0

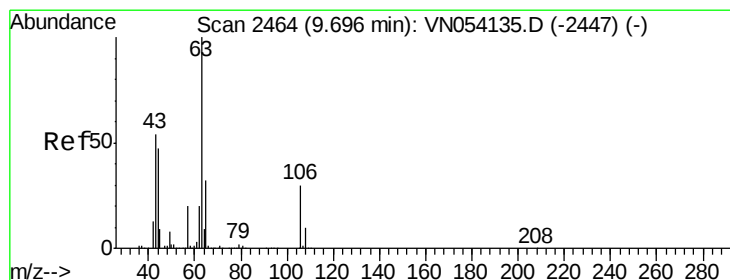
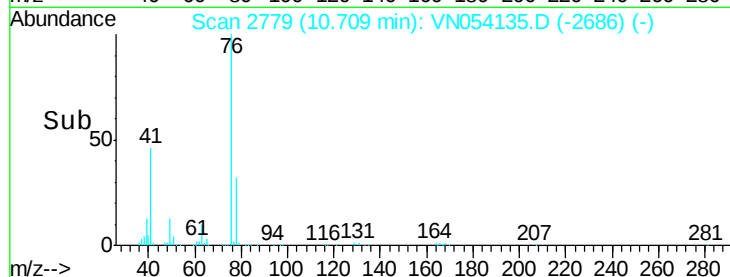
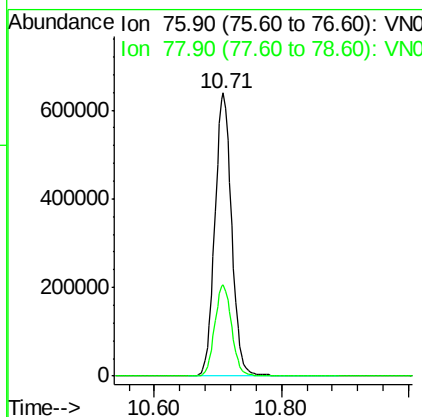
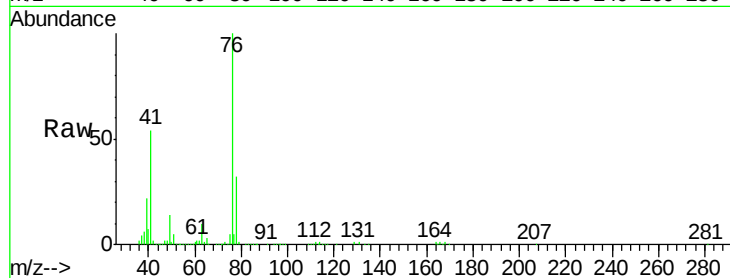
10.30 10.40 10.50 10.60



#57
 1,3-Dichloropropane
 Concen: 48.047 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

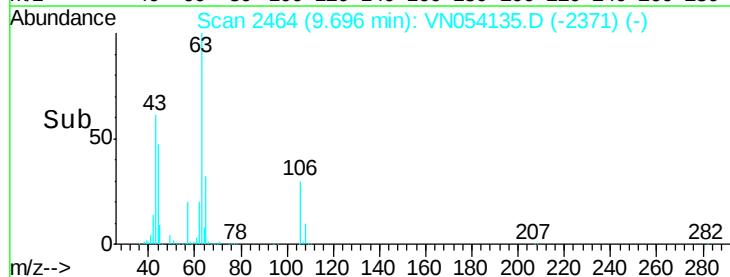
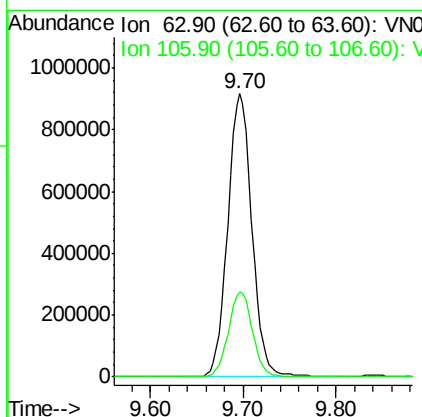
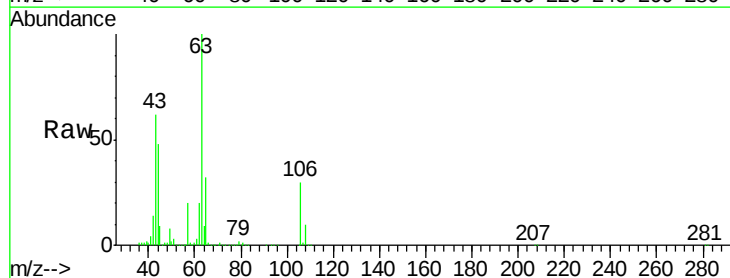
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

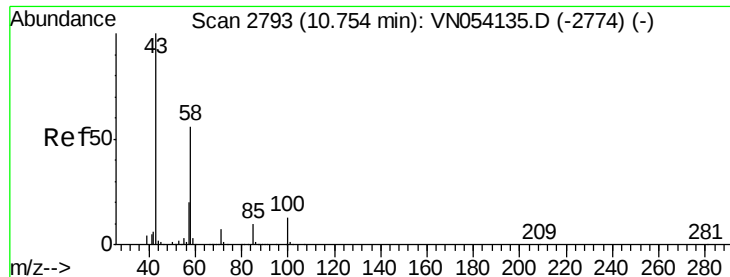
Tot Ion: 76 Resp: 1168003
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.063 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

Tgt Ion: 63 Resp: 1656473
 Ion Ratio Lower Upper
 63 100
 106 30.0 20.2 30.2

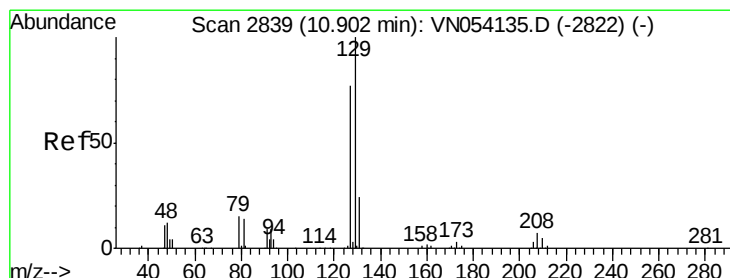
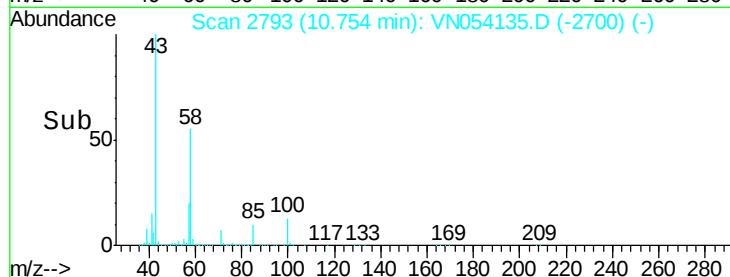
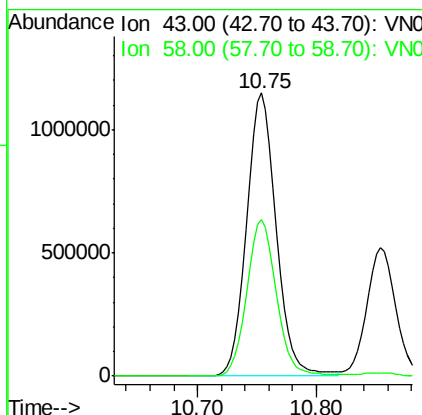
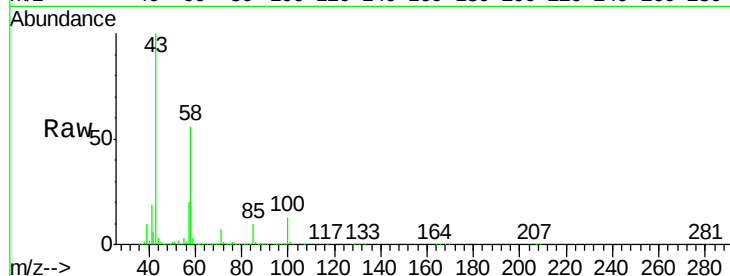




#59
2-Hexanone
Concen: 237.606 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

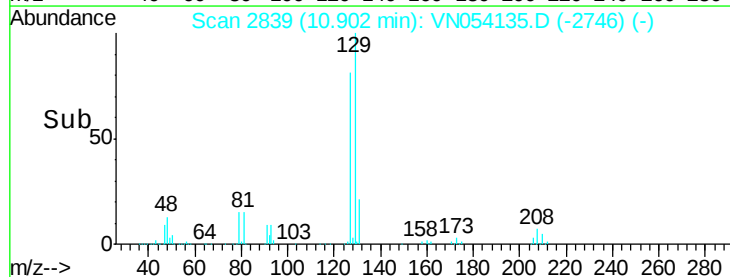
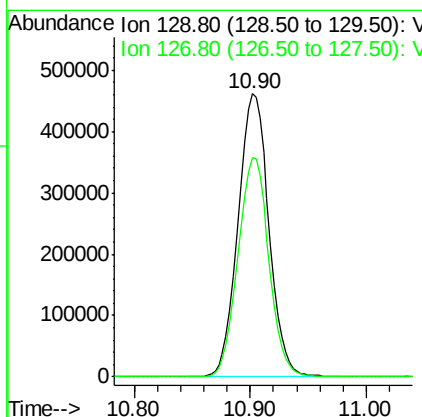
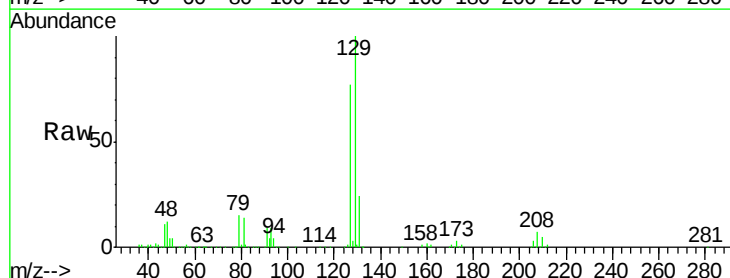
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

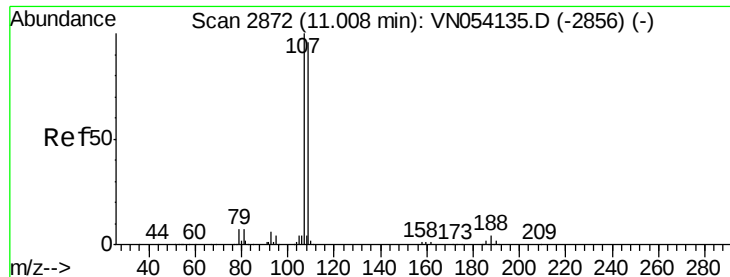
Tot Ion: 43 Resp: 1974055
Ion Ratio Lower Upper
43 100
58 55.6 27.0 81.0



#60
Dibromochloromethane
Concen: 49.008 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Tgt Ion: 129 Resp: 852579
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4

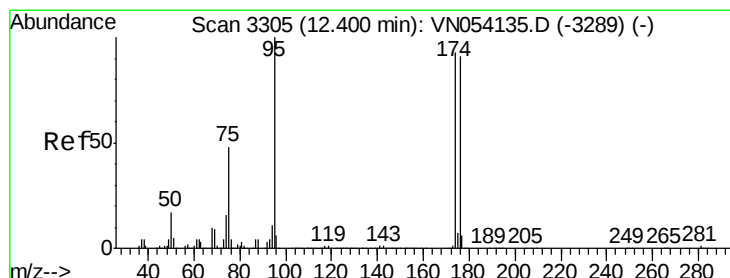
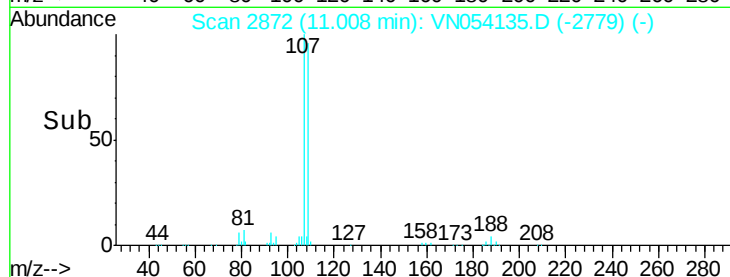
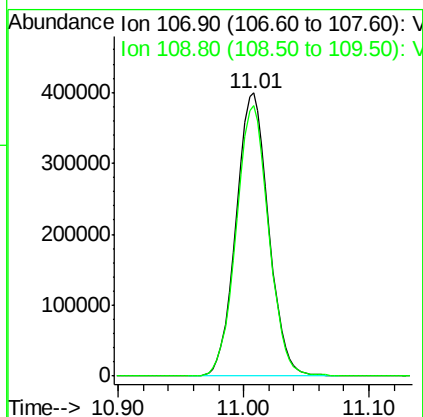
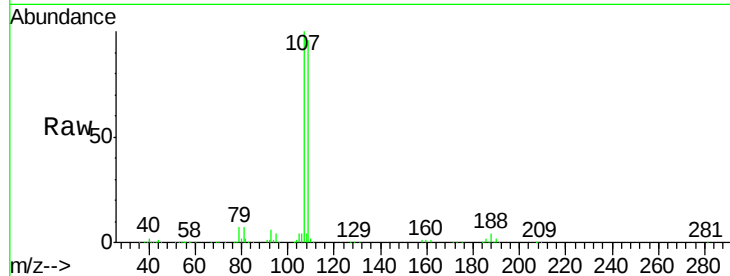




#61
 1,2-Dibromoethane
 Concen: 47.779 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

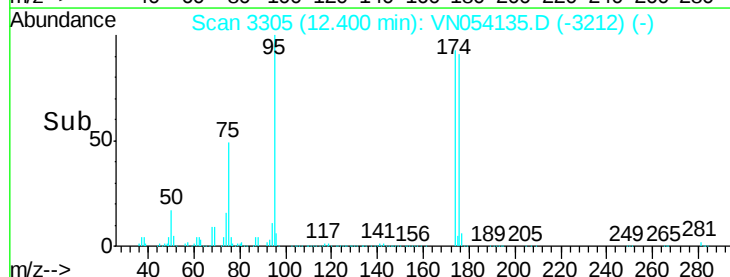
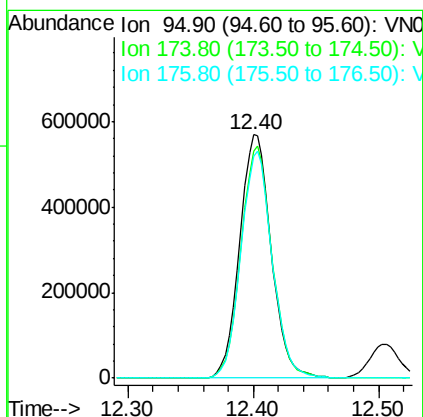
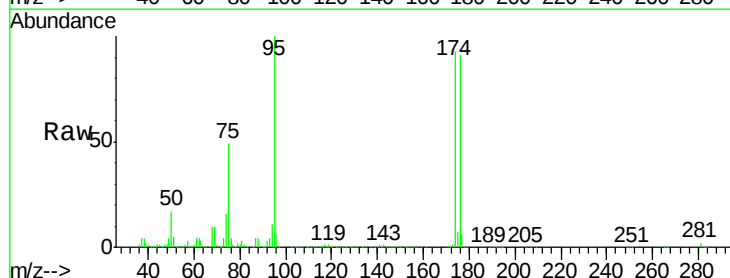
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

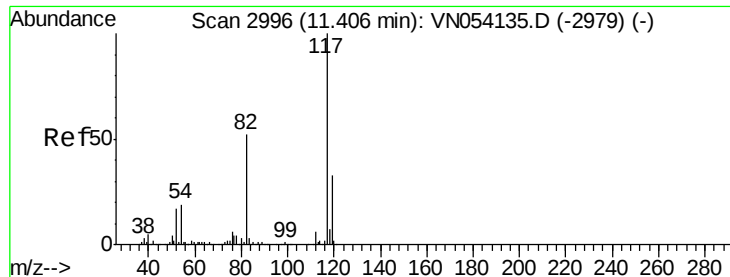
Tot Ion: 107 Resp: 721087
 Ion Ratio Lower Upper
 107 100
 109 95.5 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 48.145 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

Tgt Ion: 95 Resp: 996675
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 173.2
 176 92.4 0.0 168.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

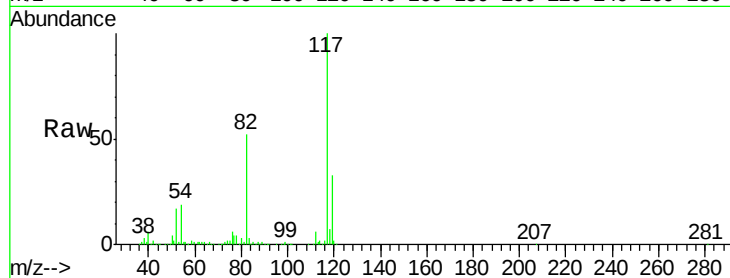
Tot Ion:117 Resp: 2190860

Ion Ratio Lower Upper

117 100

82 51.6 43.4 65.2

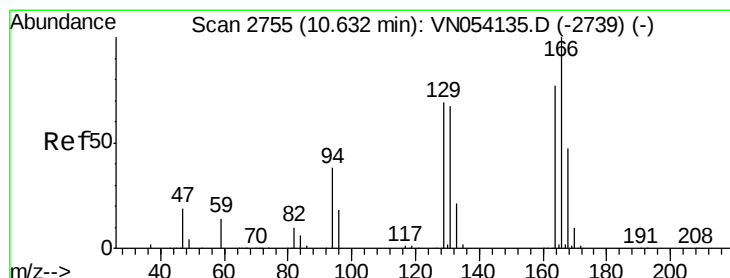
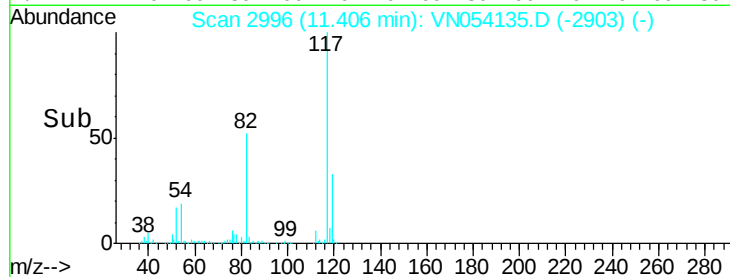
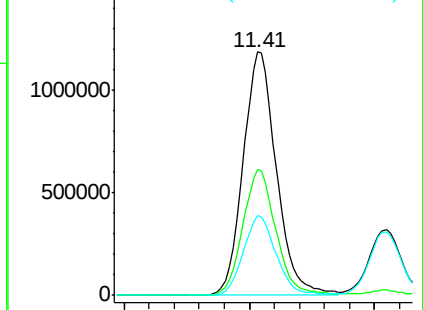
119 32.7 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.881 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Tgt Ion:164 Resp: 925527

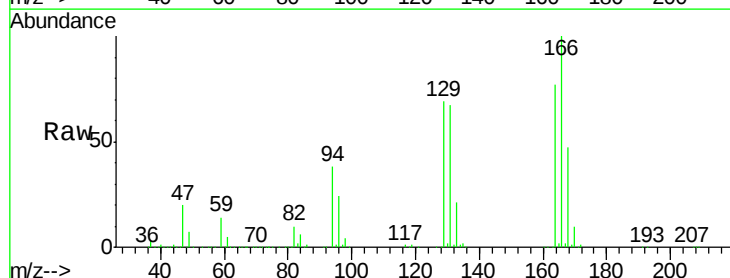
Ion Ratio Lower Upper

164 100

166 130.7 101.3 151.9

129 89.7 73.2 109.8

131 87.9 70.8 106.2

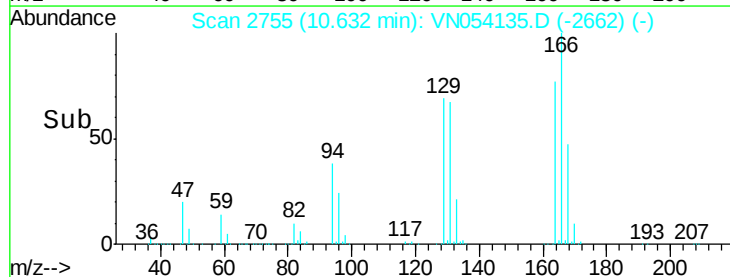
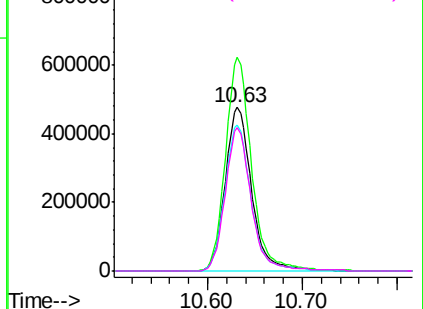


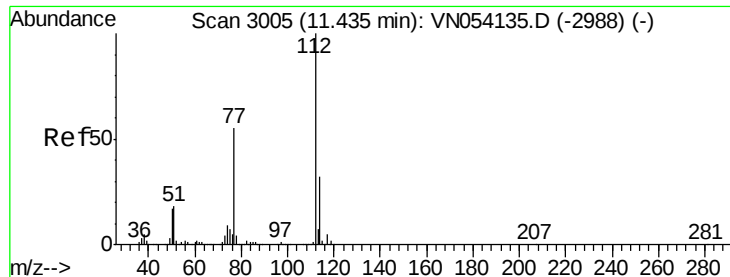
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 47.191 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

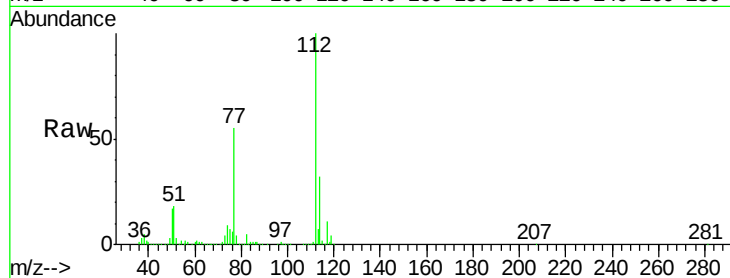
VSTDICCC050

Tot Ion:112 Resp: 2190638

Ion Ratio Lower Upper

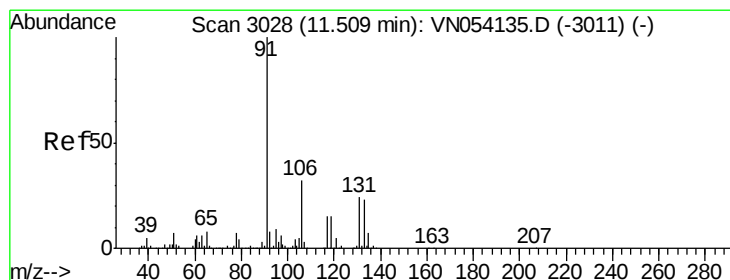
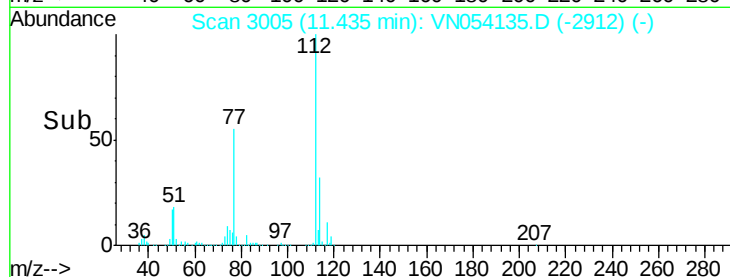
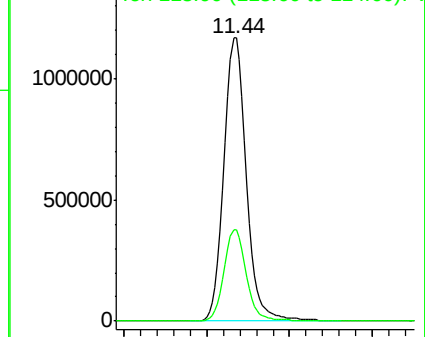
112 100

114 32.2 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.438 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

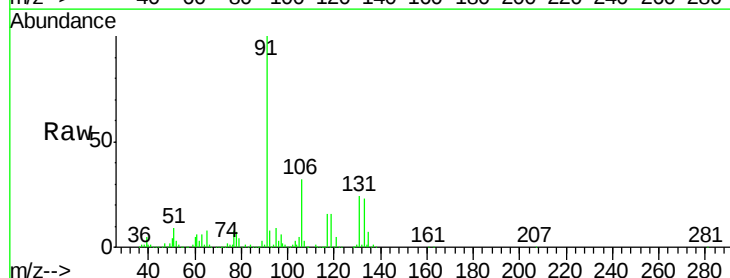
Tgt Ion:131 Resp: 845891

Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.9

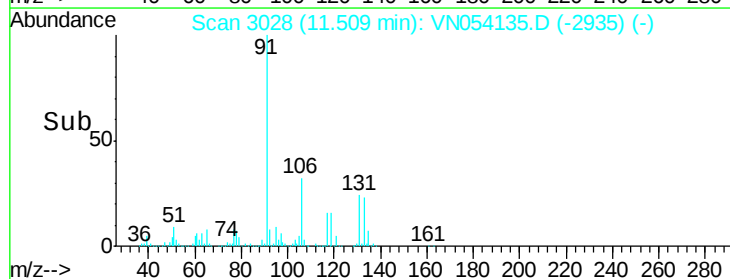
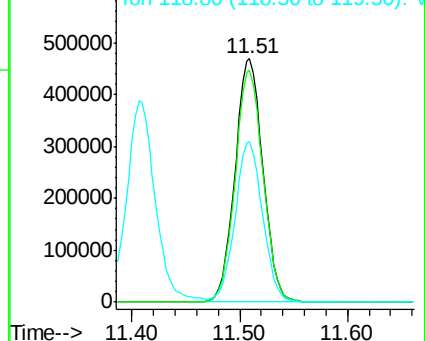
119 65.5 33.8 101.3

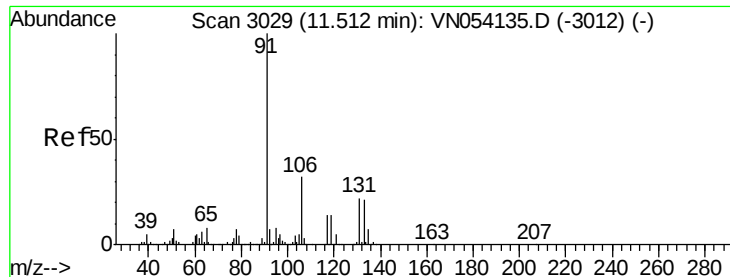


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

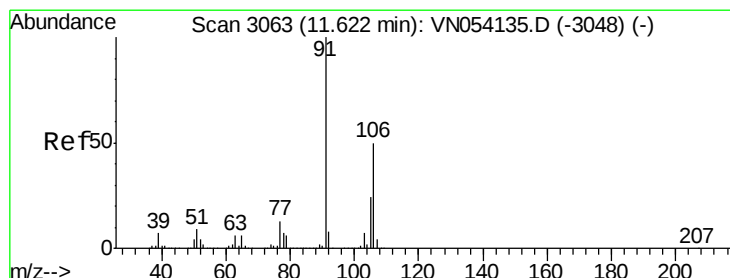
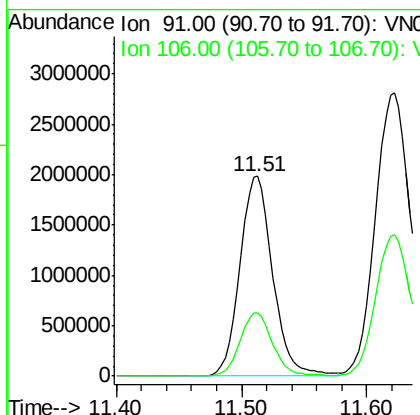
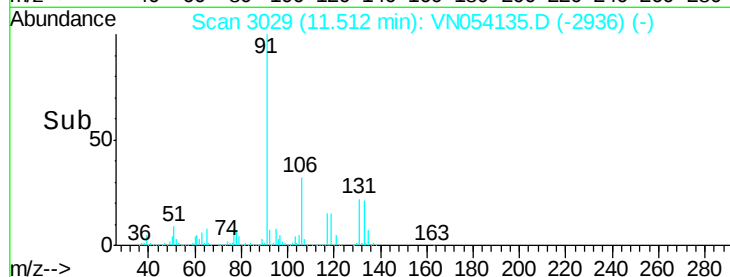
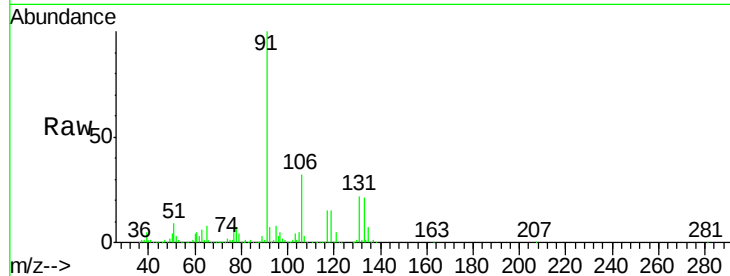




#67
Ethyl Benzene
Concen: 46.699 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

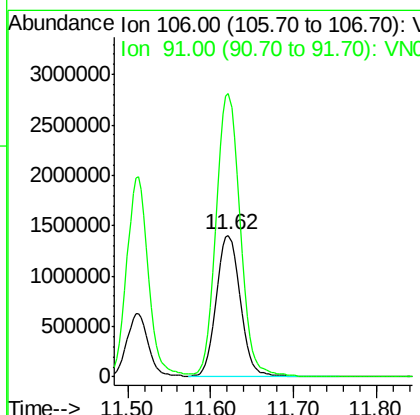
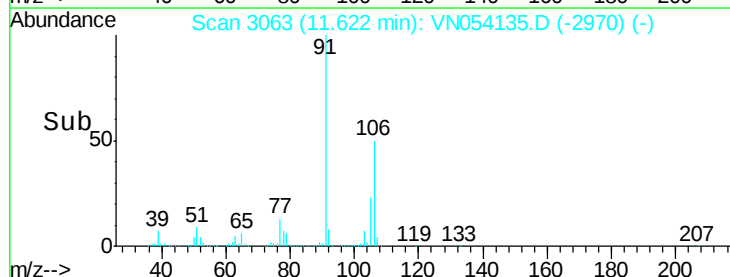
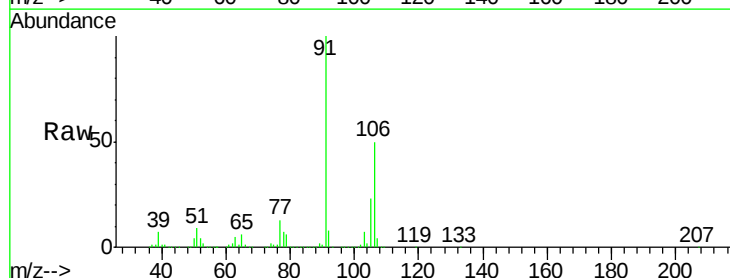
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

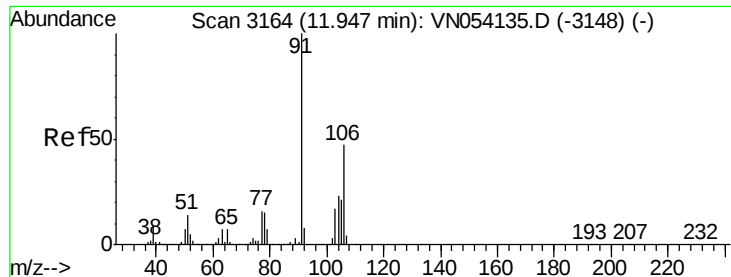
Tot Ion: 91 Resp: 3603441
Ion Ratio Lower Upper
91 100
106 31.8 24.6 36.8



#68
m/p-Xylenes
Concen: 93.926 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Tgt Ion: 106 Resp: 2834278
Ion Ratio Lower Upper
106 100
91 200.5 163.2 244.8





#69

o-Xylene

Concen: 47.216 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

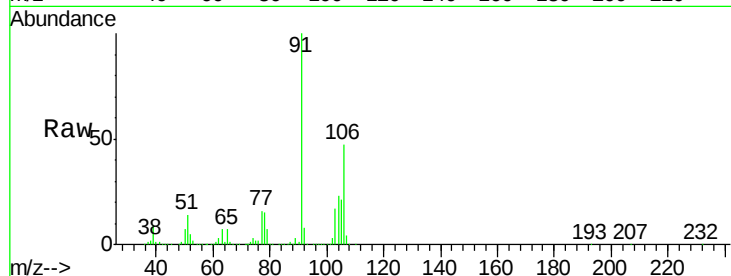
VSTDICCC050

Tot Ion:106 Resp: 1398510

Ion Ratio Lower Upper

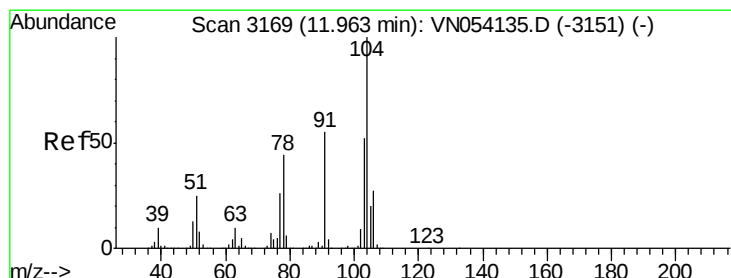
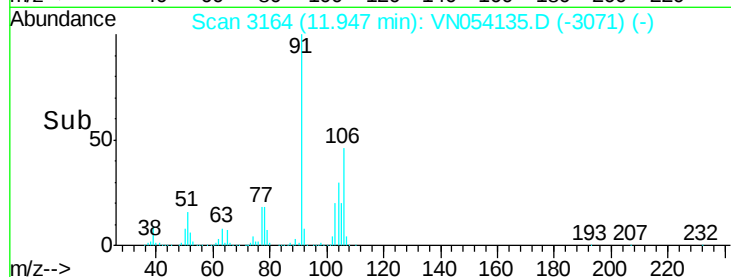
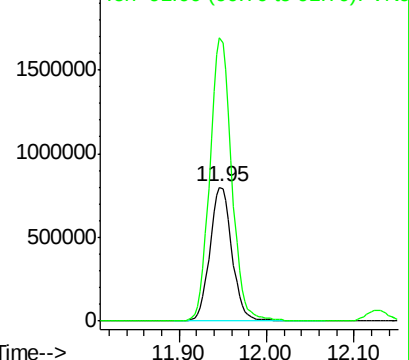
106 100

91 209.5 107.1 321.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 48.428 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

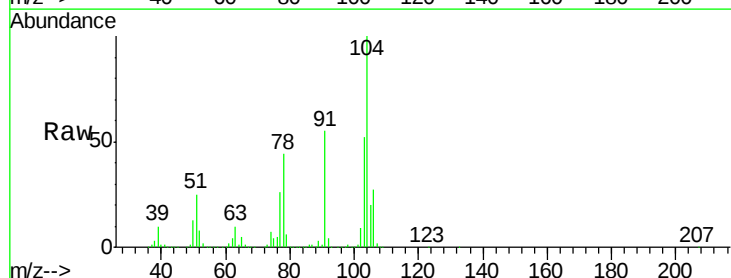
Tgt Ion:104 Resp: 2222080

Ion Ratio Lower Upper

104 100

78 48.2 39.4 59.0

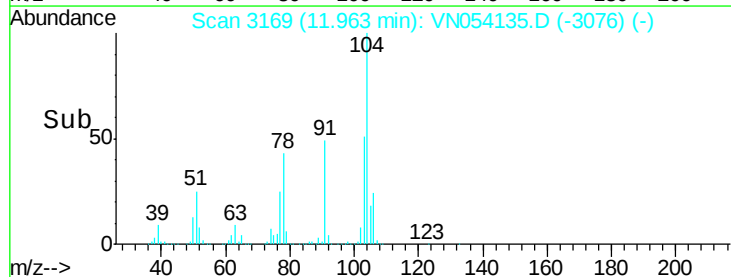
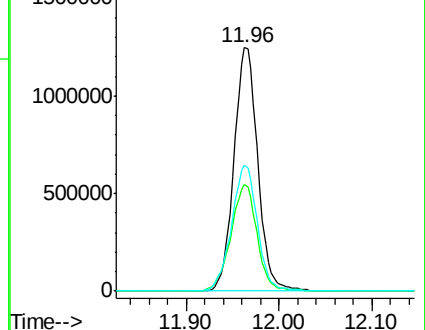
103 56.0 44.7 67.1

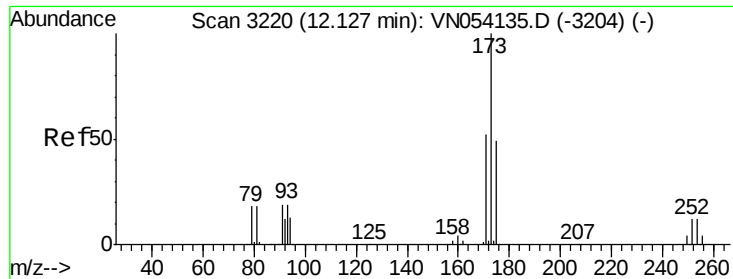


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

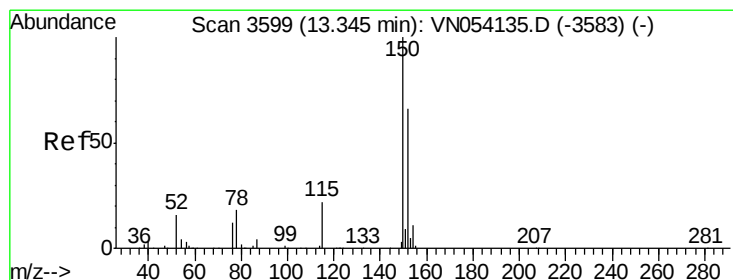
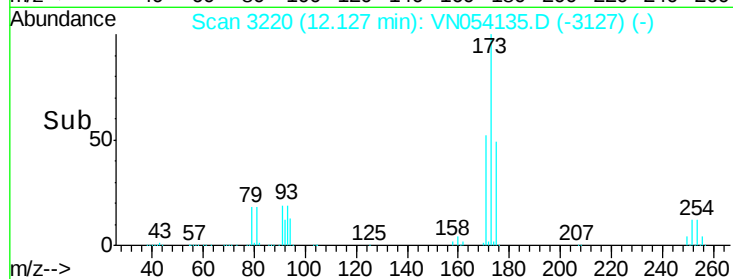
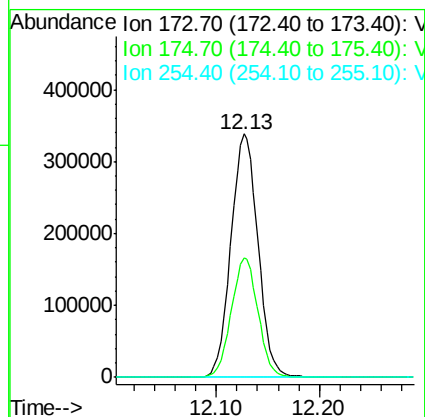
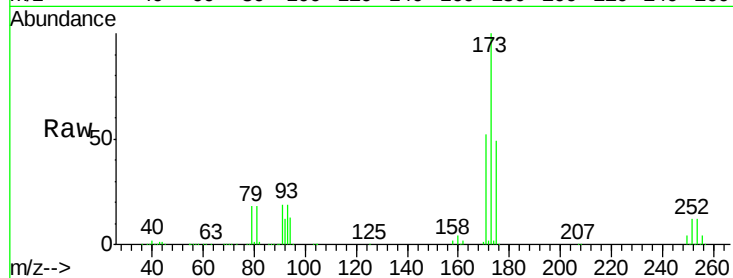




#71
 Bromoform
 Concen: 51.090 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

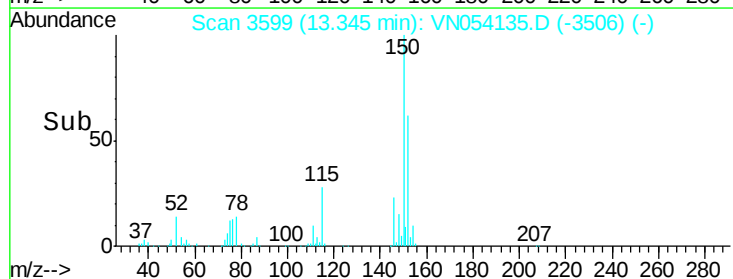
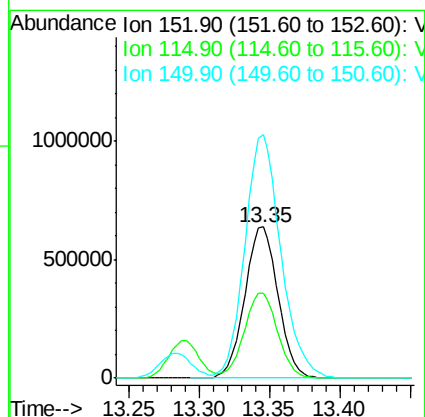
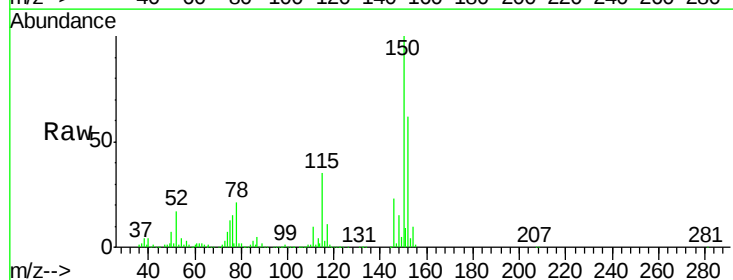
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

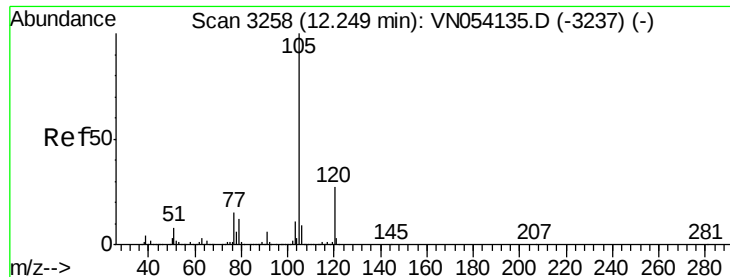
Tot Ion:173 Resp: 618320
 Ion Ratio Lower Upper
 173 100
 175 48.4 24.1 72.2
 254 0.1 0.0 0.0#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

Tgt Ion:152 Resp: 1055559
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.5 85.6
 150 174.1 0.0 343.2





#73

Isopropylbenzene

Concen: 44.365 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

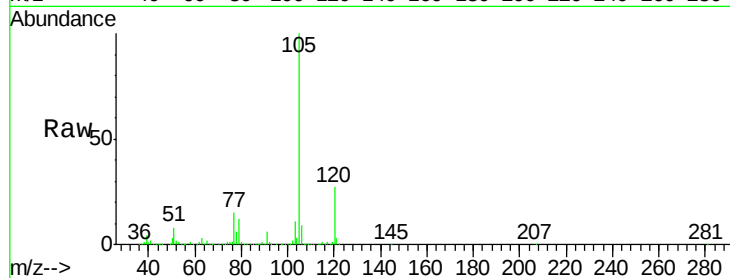
VSTDICCC050

Tot Ion:105 Resp: 3724781

Ion Ratio Lower Upper

105 100

120 27.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

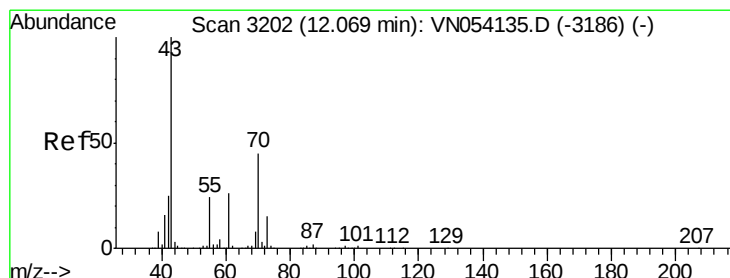
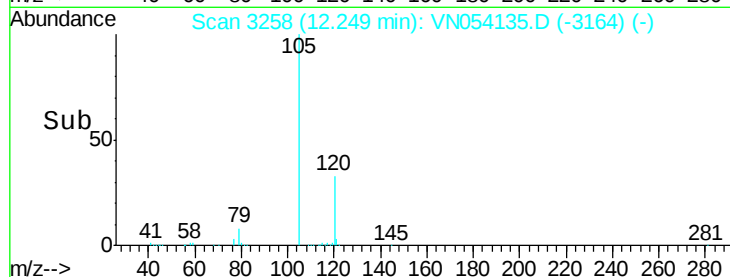
1000000

500000

0

12.20 12.30

Time-->



#74

N-ethyl acetate

Concen: 47.921 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Tgt Ion: 43 Resp: 916385

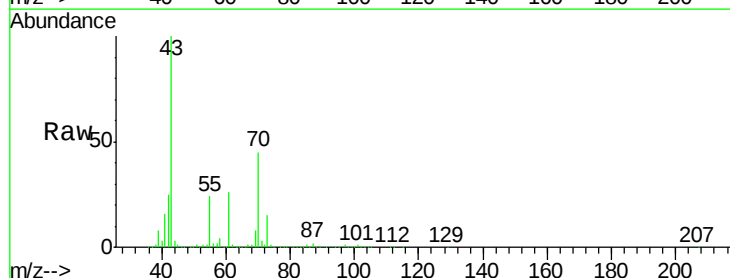
Ion Ratio Lower Upper

43 100

70 44.9 33.6 50.4

55 24.4 20.6 31.0

61 25.7 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

800000

600000

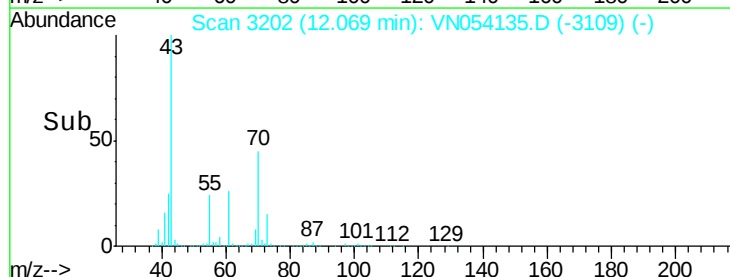
400000

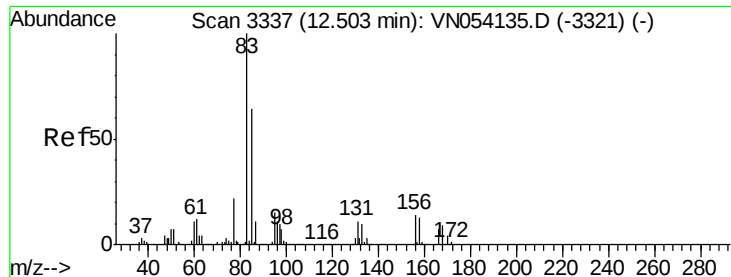
200000

0

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.592 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

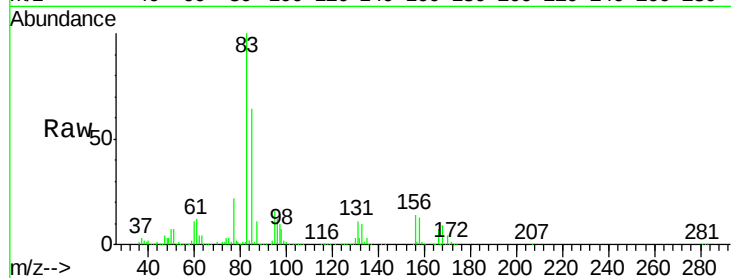
Tot Ion: 83 Resp: 828319

Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.0	14.9
85	65.9	32.4	97.0

83 100

131 11.6 5.0 14.9

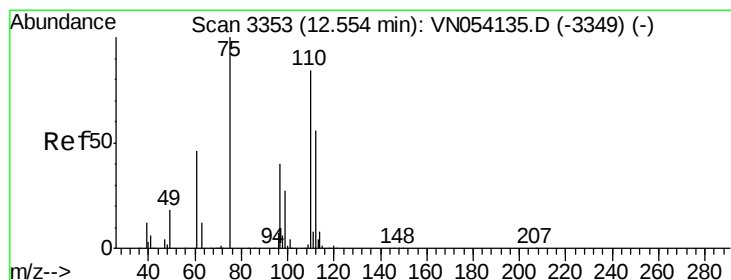
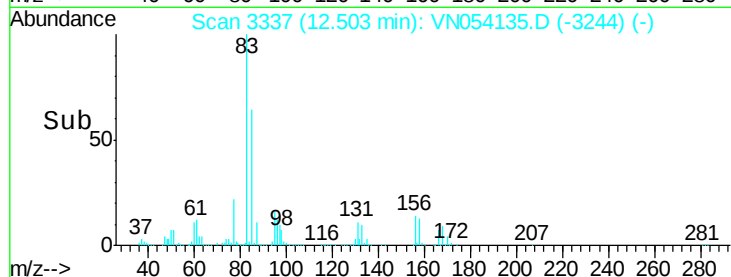
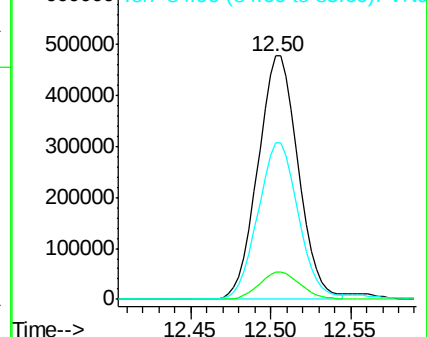
85 65.9 32.4 97.0



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: 72.614 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054135.D

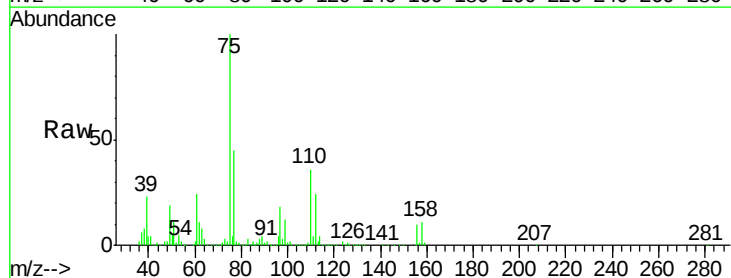
Acq: 11 Mar 2019 11:30

Tgt Ion: 75 Resp: 1082404

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

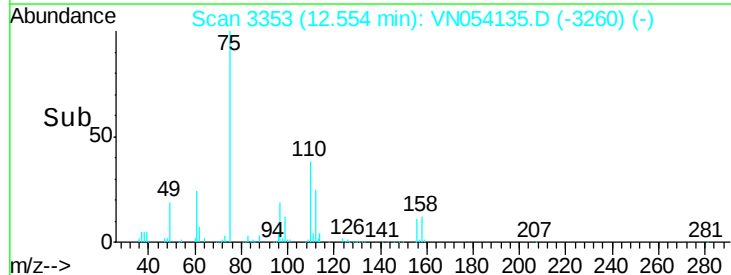
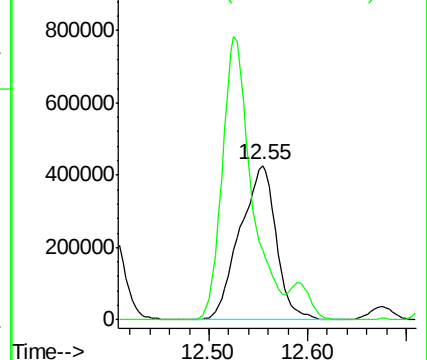
75 100

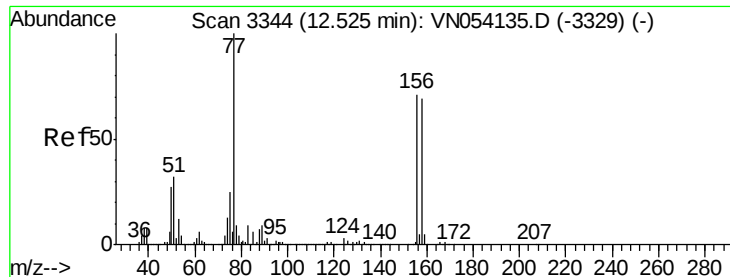
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 45.218 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

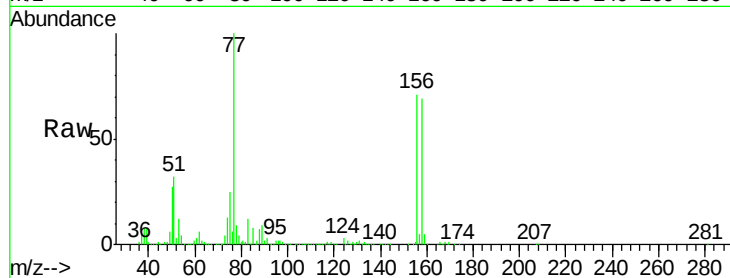
Tot Ion:156 Resp: 988162

Ion Ratio Lower Upper

156 100

77 165.0 93.6 280.8

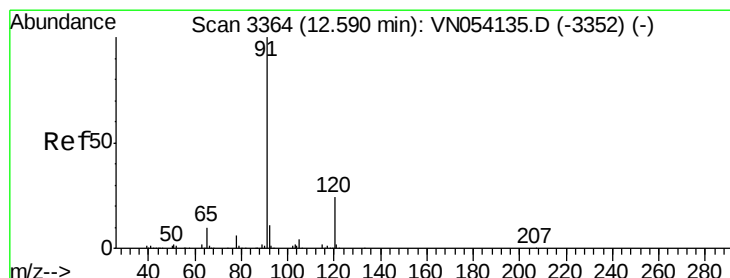
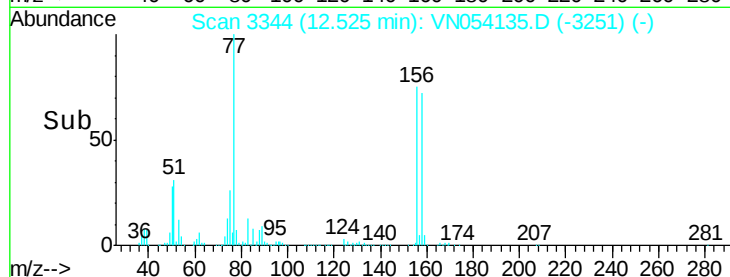
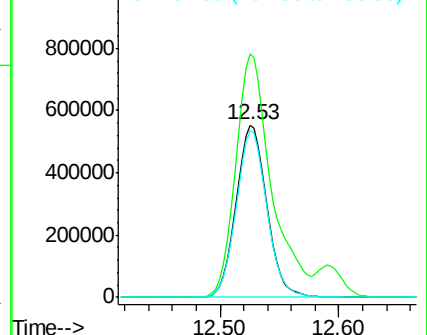
158 96.9 48.4 145.0



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: 46.083 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054135.D

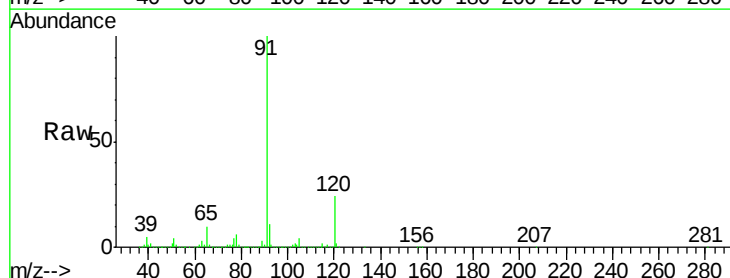
Acq: 11 Mar 2019 11:30

Tgt Ion: 91 Resp: 4140140

Ion Ratio Lower Upper

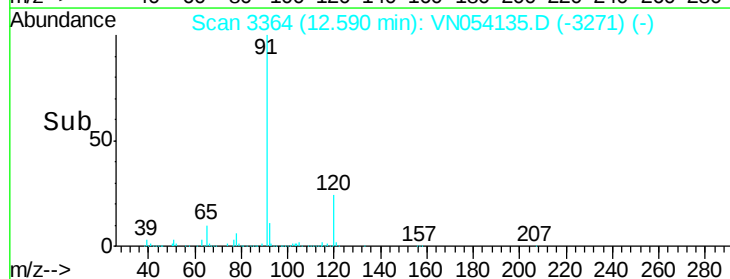
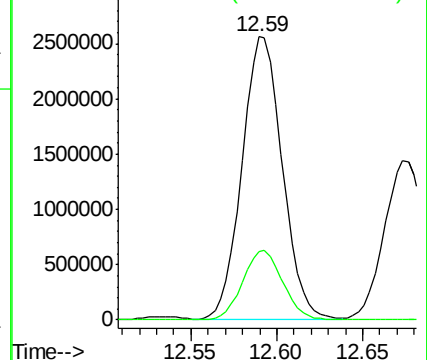
91 100

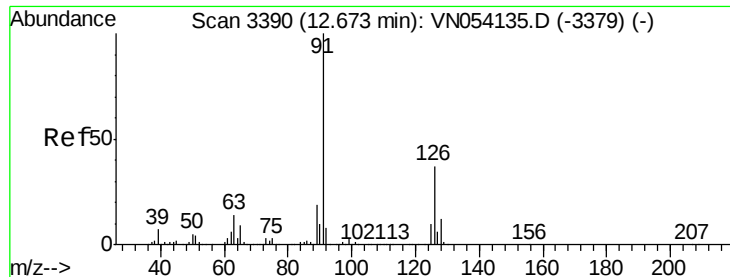
120 24.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.432 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

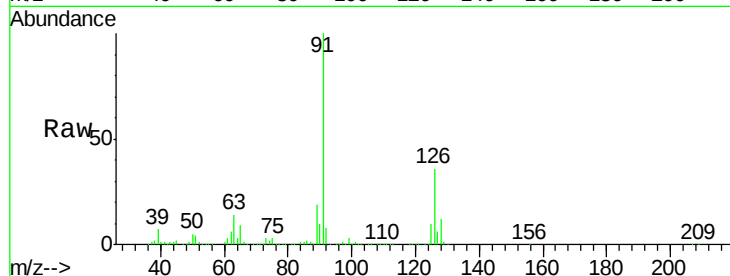
VSTDICCC050

Tot Ion: 91 Resp: 2443510

Ion Ratio Lower Upper

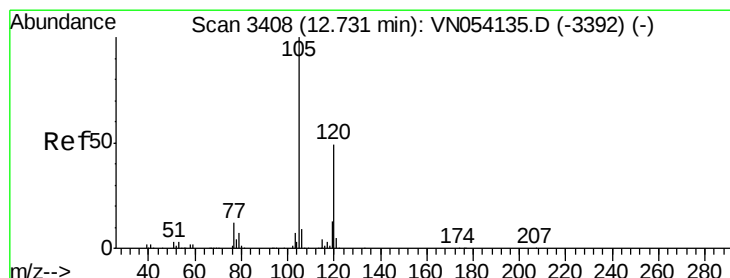
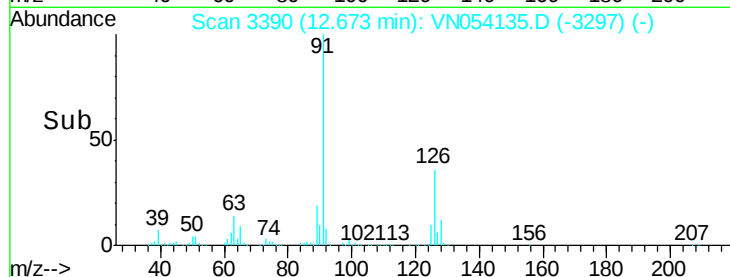
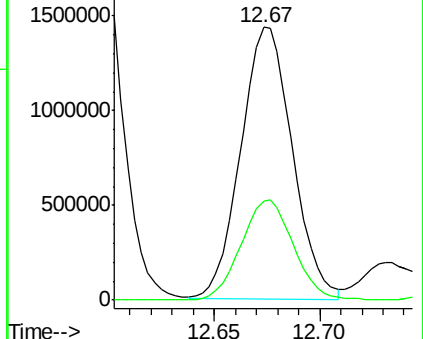
91 100

126 37.5 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN054135.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054135.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 44.954 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054135.D

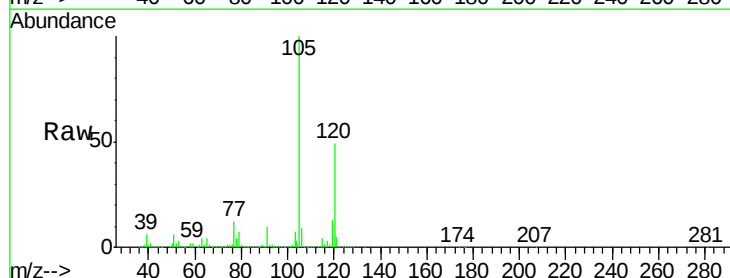
Acq: 11 Mar 2019 11:30

Tgt Ion: 105 Resp: 3128734

Ion Ratio Lower Upper

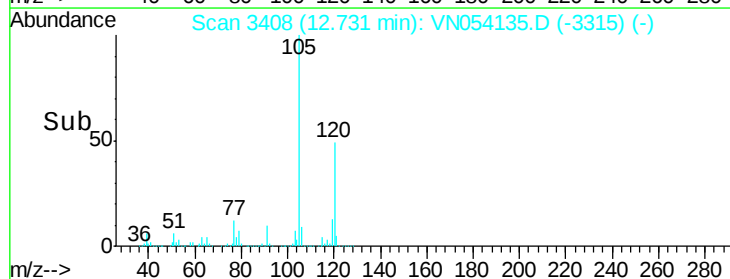
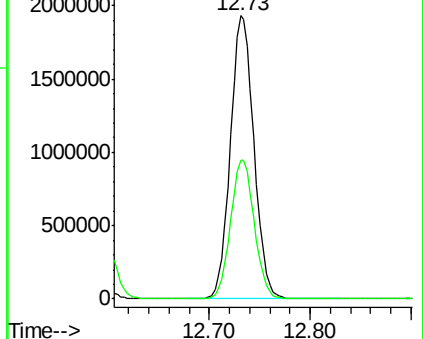
105 100

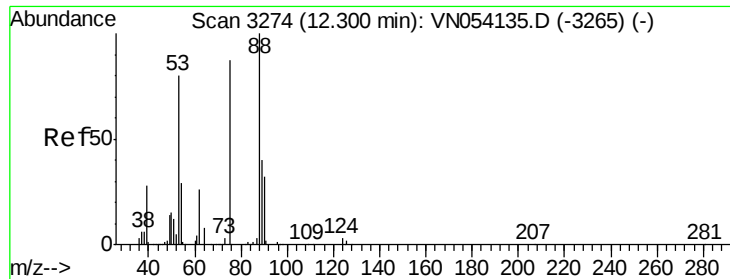
120 49.7 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VN054135.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN054135.D (-3392) (-)

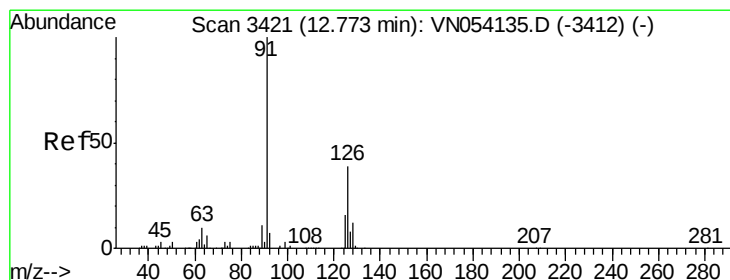
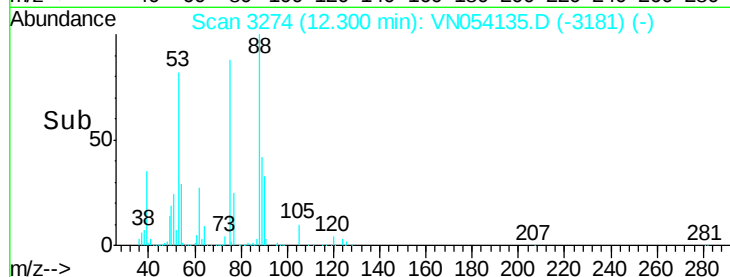
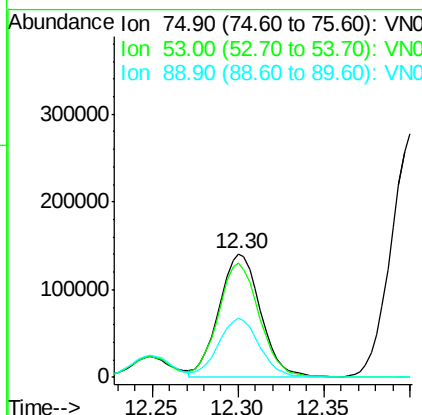
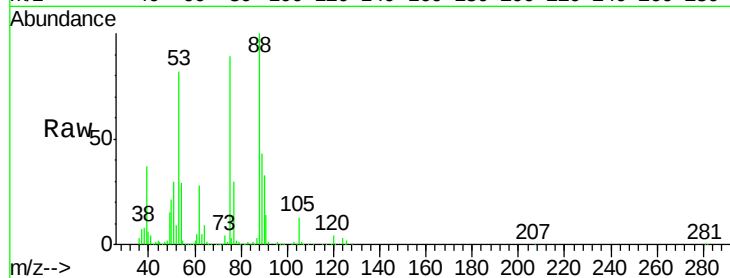




#81
trans-1,4-Dichloro-2-butene
Concen: 46.614 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

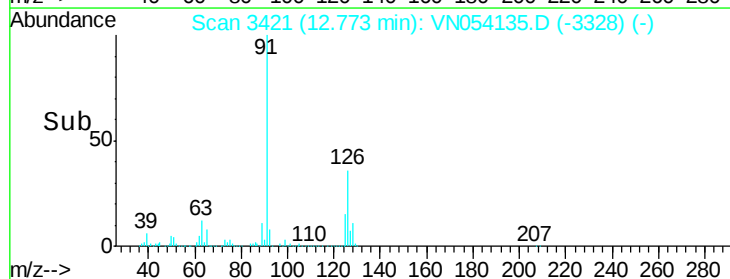
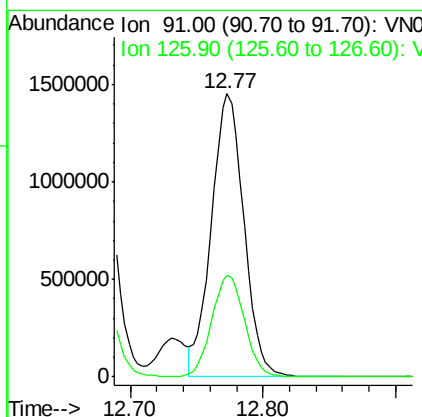
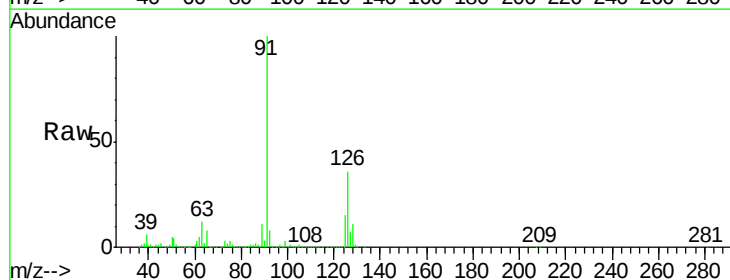
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

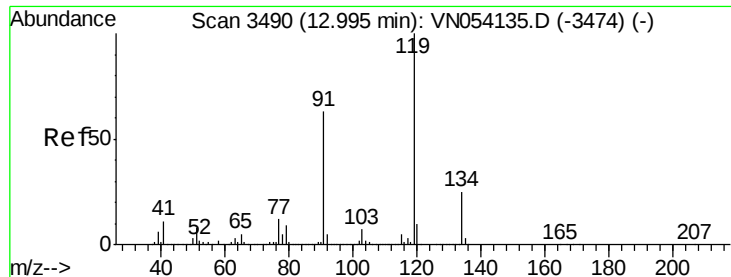
Tot Ion: 75 Resp: 233424
Ion Ratio Lower Upper
75 100
53 92.9 76.4 114.6
89 48.9 35.3 52.9



#82
4-Chlorotoluene
Concen: 46.035 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054135.D
Acq: 11 Mar 2019 11:30

Tgt Ion: 91 Resp: 2468257
Ion Ratio Lower Upper
91 100
126 36.3 17.1 51.3

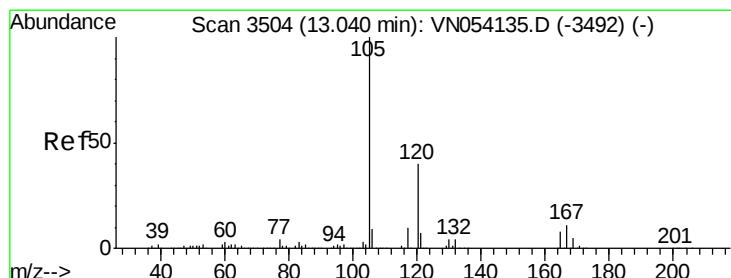
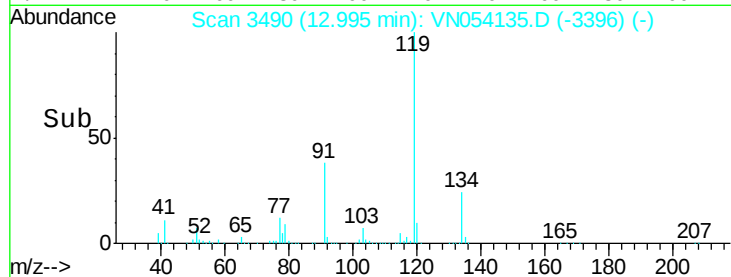
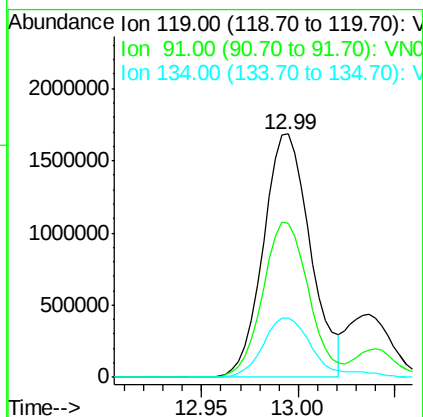
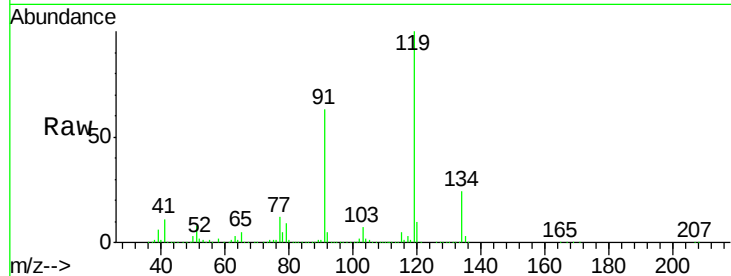




#83
 tert-Butylbenzene
 Concen: 44.451 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

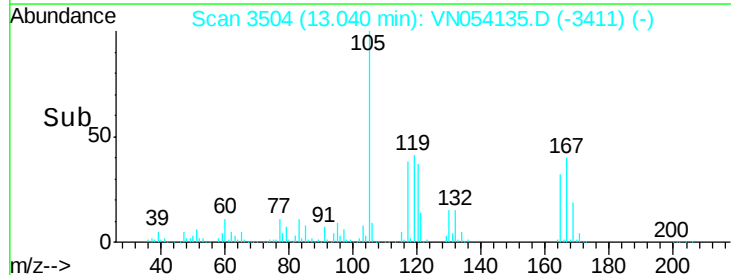
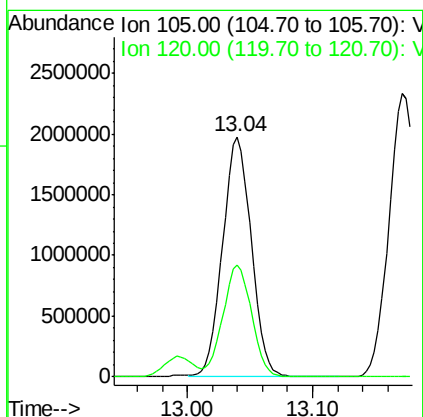
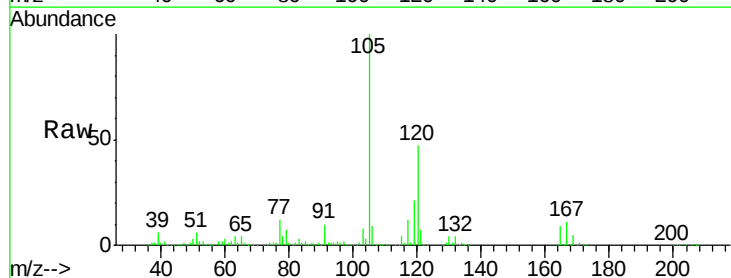
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

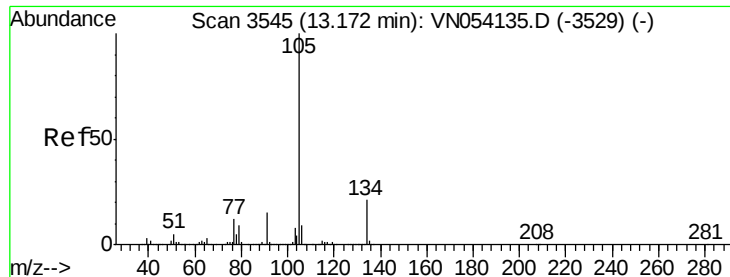
Tot Ion:119 Resp: 2857153
 Ion Ratio Lower Upper
 119 100
 91 62.4 31.8 95.3
 134 26.1 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 45.906 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

Tgt Ion:105 Resp: 3128443
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.6 67.7





#85

sec-Butylbenzene

Concen: 45.164 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

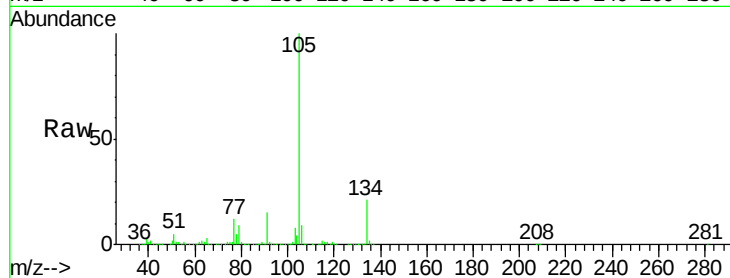
VSTDICCC050

Tot Ion:105 Resp: 3761507

Ion Ratio Lower Upper

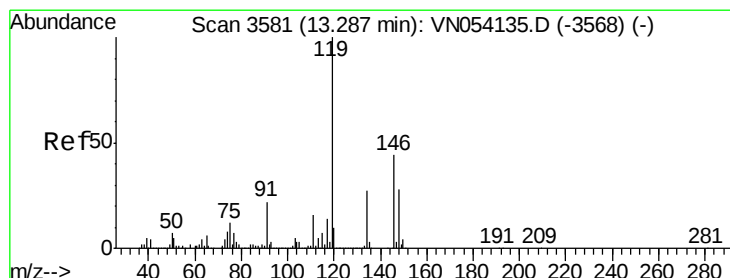
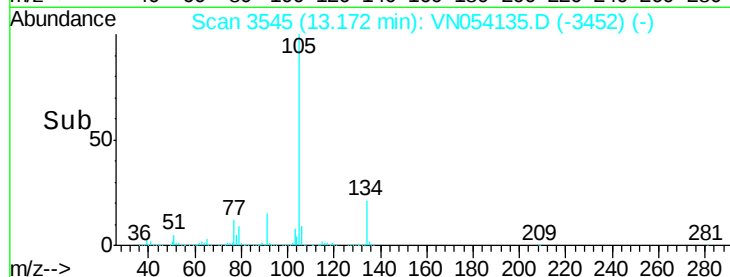
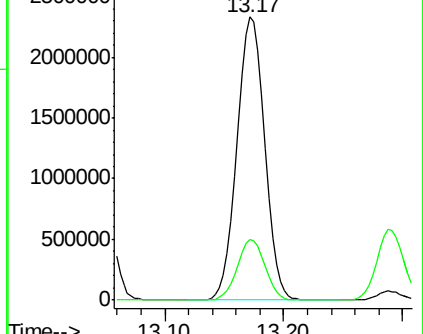
105 100

134 21.4 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: 45.960 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

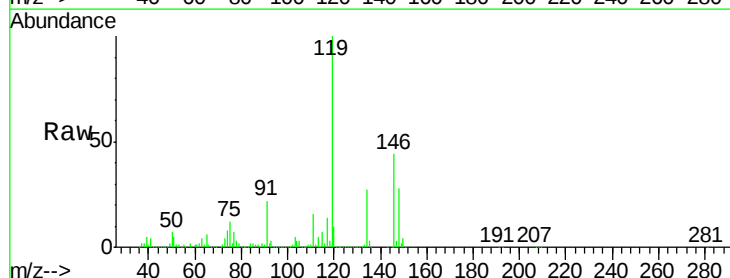
Tgt Ion:119 Resp: 3340114

Ion Ratio Lower Upper

119 100

134 27.2 13.2 39.5

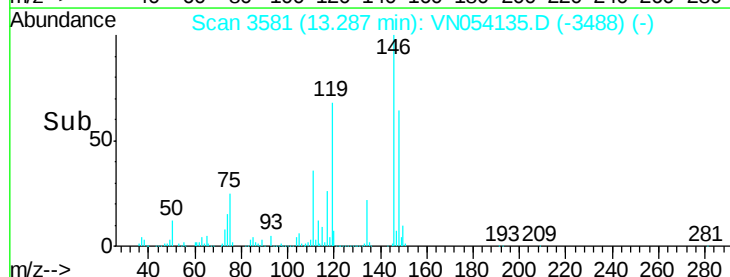
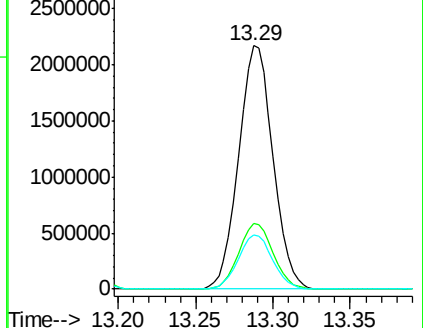
91 22.3 11.4 34.2

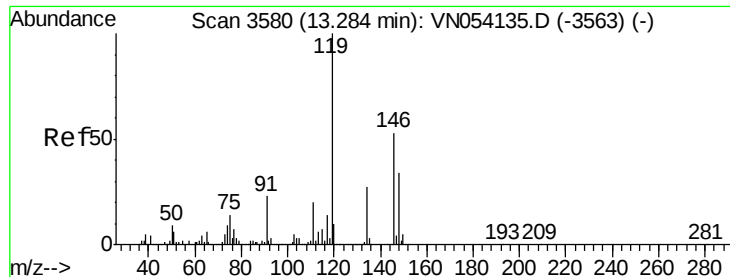


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

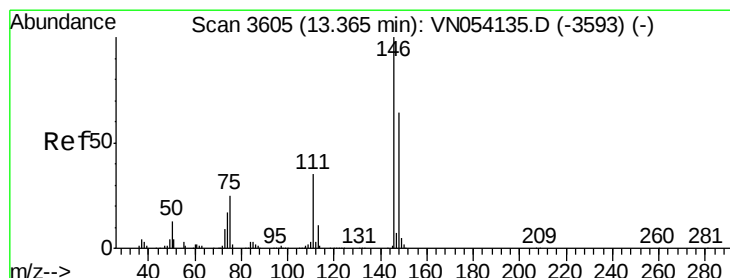
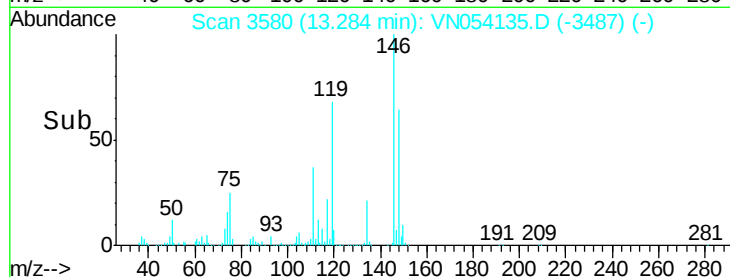
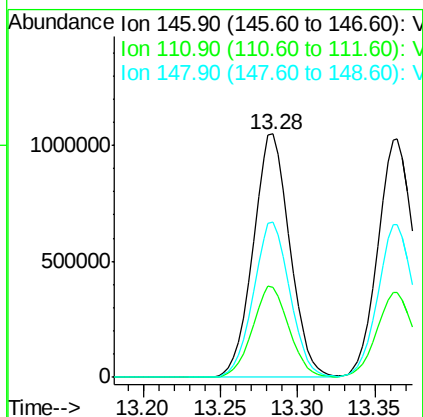
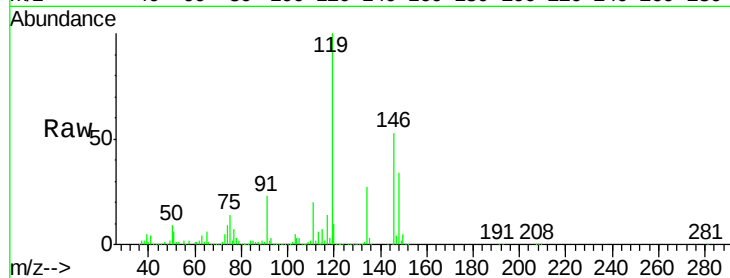




#87
 1,3-Dichlorobenzene
 Concen: 47.427 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

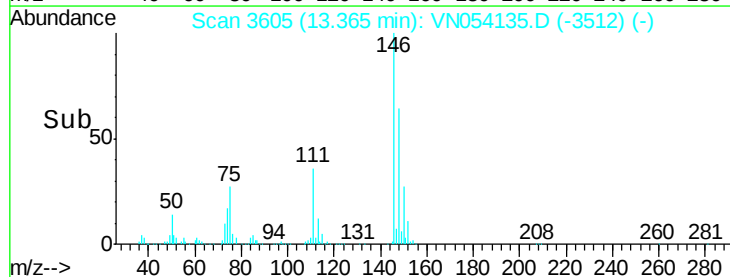
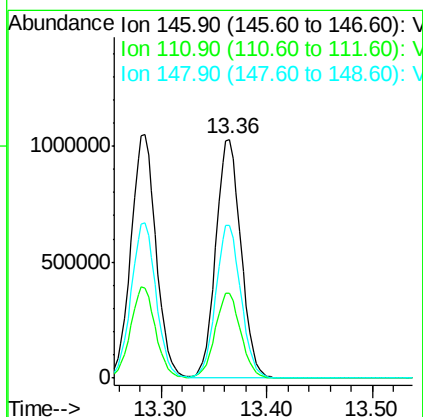
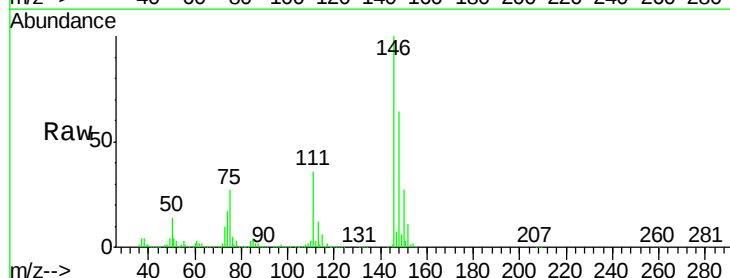
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

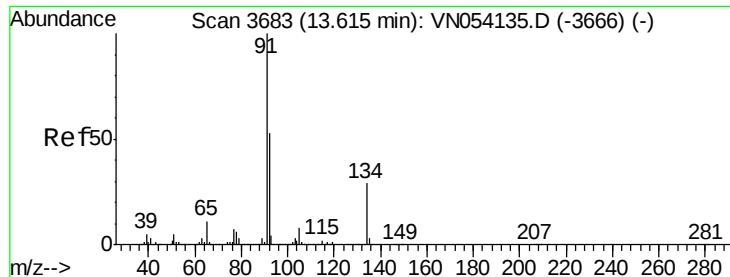
Tot Ion:146 Resp: 1731951
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.3 57.8
 148 63.7 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 46.923 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

Tgt Ion:146 Resp: 1691972
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.9 56.5
 148 64.0 32.1 96.5





#89

n-Butylbenzene

Concen: 48.531 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

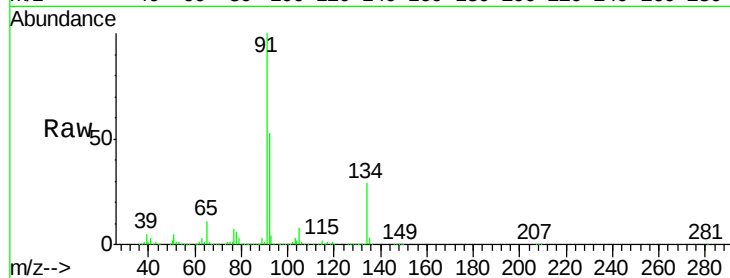
Tot Ion: 91 Resp: 2704918

Ion Ratio Lower Upper

91 100

92 52.5 26.0 78.0

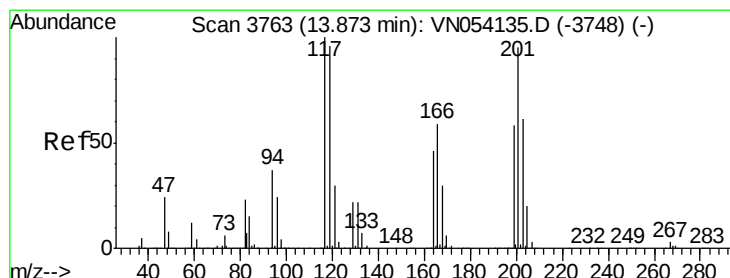
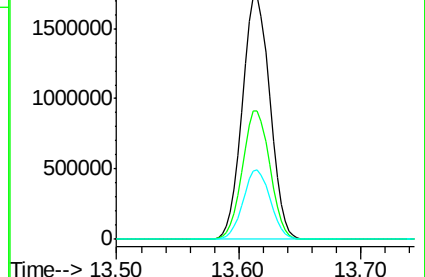
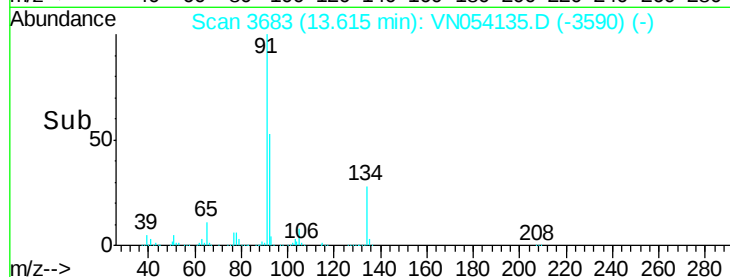
134 28.3 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VN054135.D (-3666) (-)

Ion 92.00 (91.70 to 92.70): VN054135.D (-3666) (-)

Ion 134.00 (133.70 to 134.70): VN054135.D (-3666) (-)



#90

Hexachloroethane

Concen: 46.627 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054135.D

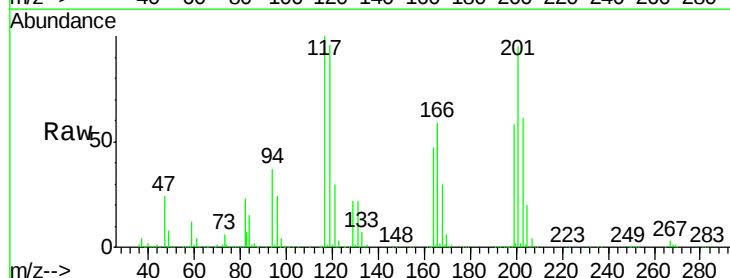
Acq: 11 Mar 2019 11:30

Tgt Ion: 117 Resp: 605083

Ion Ratio Lower Upper

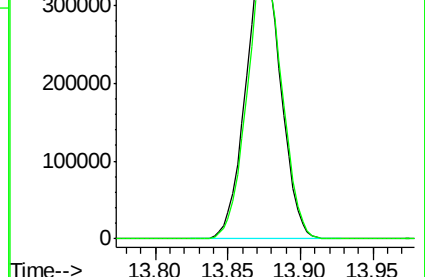
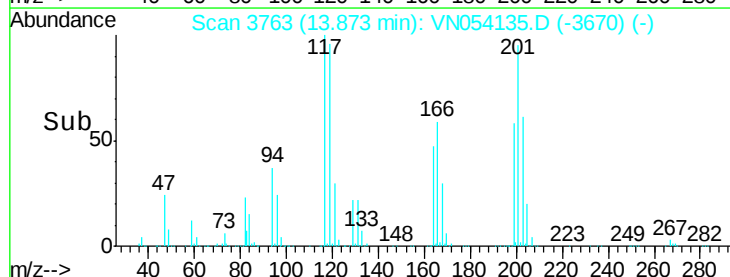
117 100

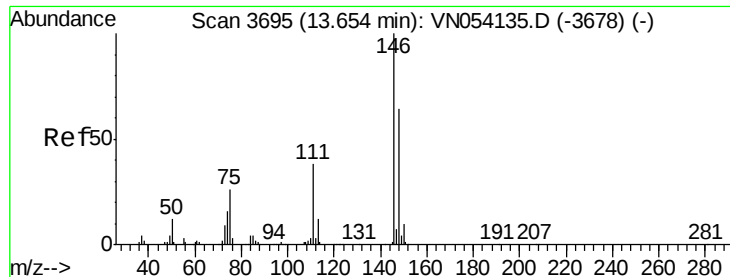
201 96.5 44.9 134.7



Abundance Ion 116.80 (116.50 to 117.50): VN054135.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054135.D (-3748) (-)

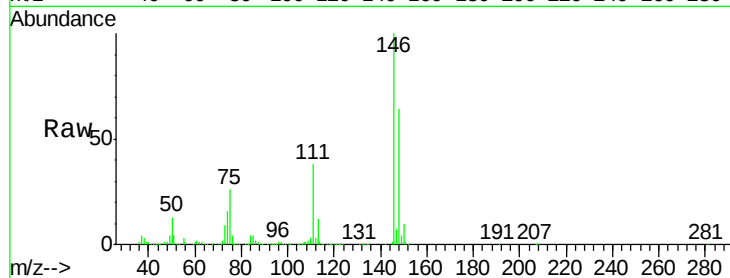




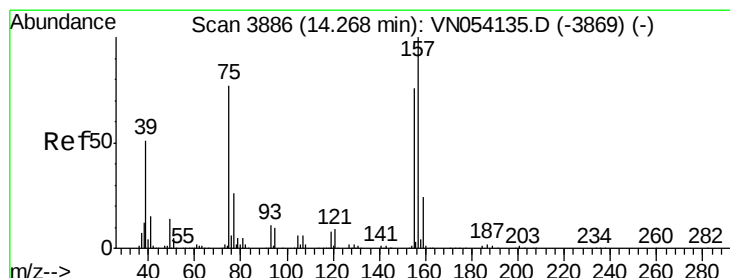
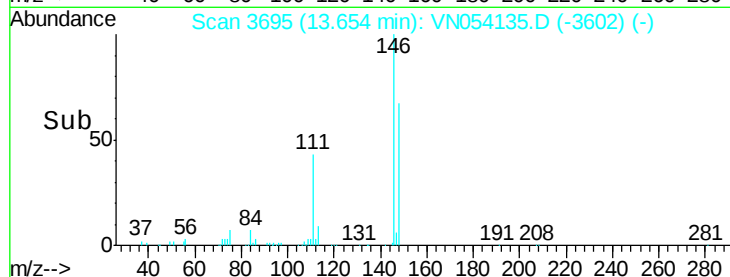
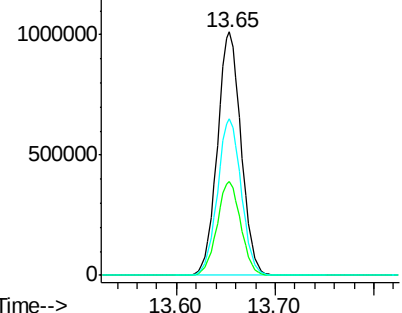
#91
 1,2-Dichlorobenzene
 Concen: 47.189 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 1691983
 Ion Ratio Lower Upper
 146 100
 111 38.5 20.0 60.0
 148 64.6 32.3 96.9

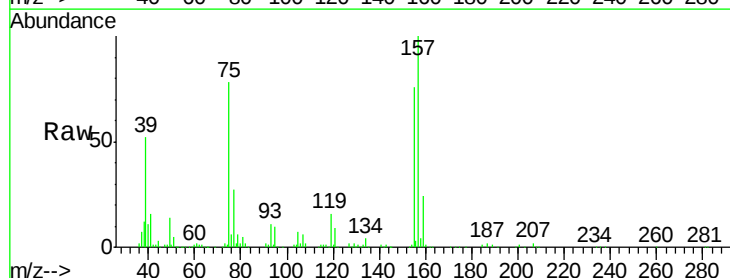


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

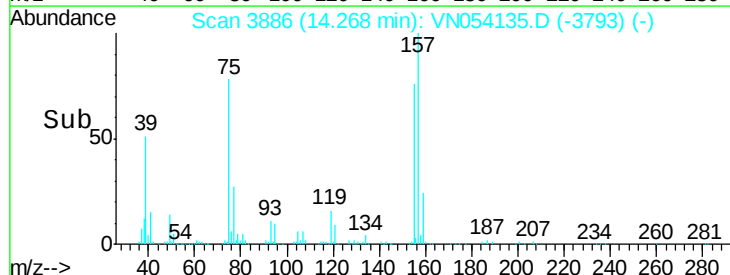
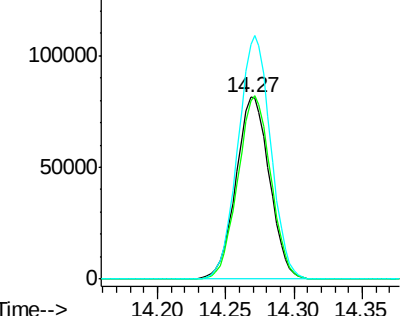


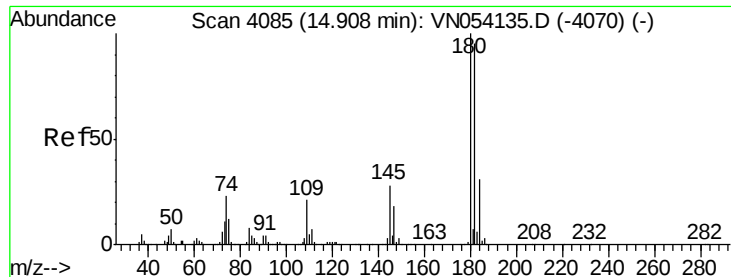
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.558 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054135.D
 Acq: 11 Mar 2019 11:30

Tgt Ion: 75 Resp: 139385
 Ion Ratio Lower Upper
 75 100
 155 98.7 44.5 133.5
 157 130.3 57.2 171.6



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 52.424 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

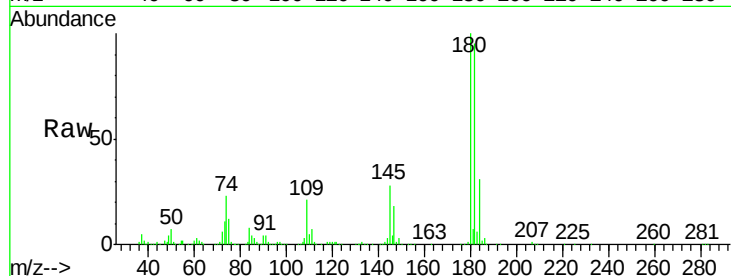
Tot Ion:180 Resp: 974989

Ion Ratio Lower Upper

180 100

182 95.7 48.1 144.3

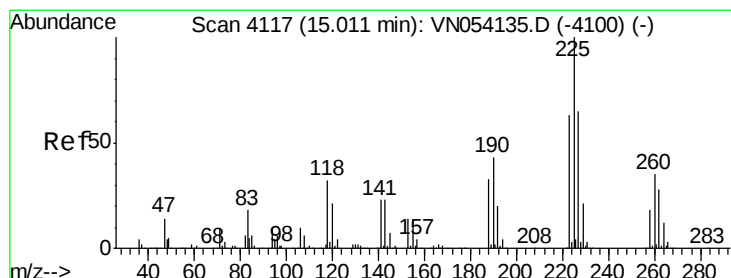
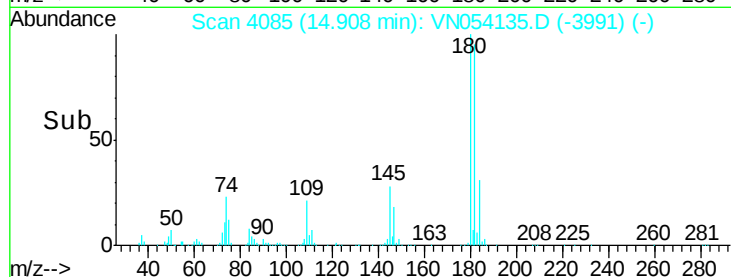
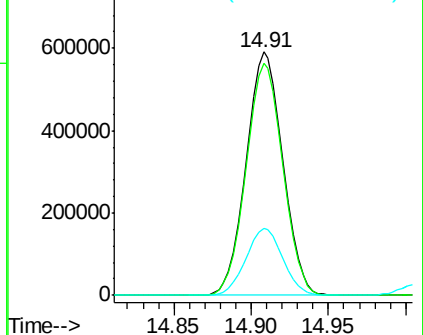
145 27.8 13.9 41.7



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: 44.754 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

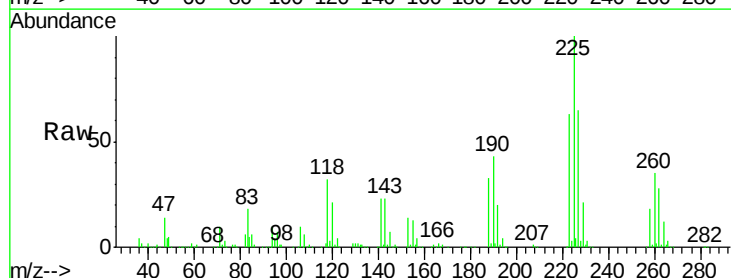
Tgt Ion:225 Resp: 634621

Ion Ratio Lower Upper

225 100

223 62.4 31.2 93.6

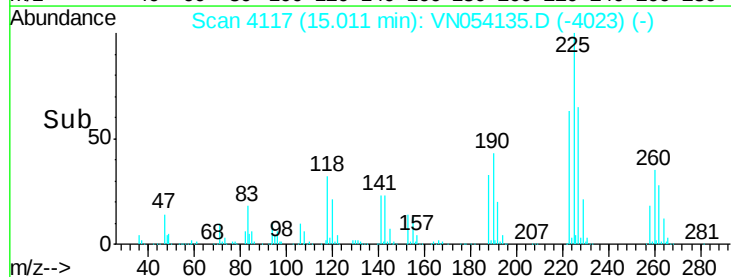
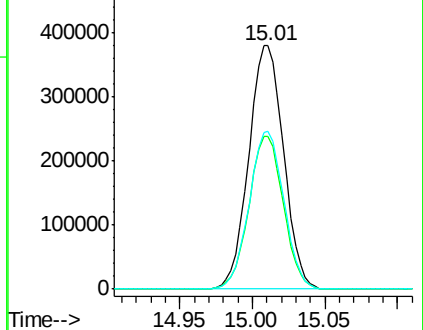
227 64.4 31.9 95.7

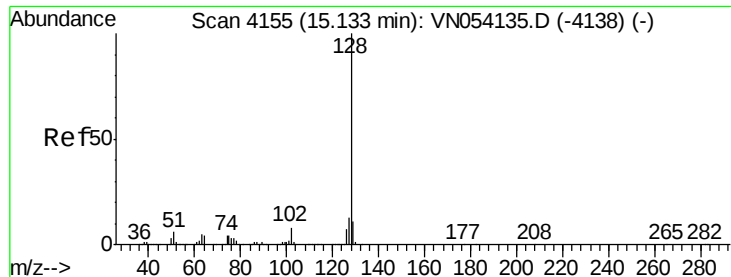


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.324 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Instrument :

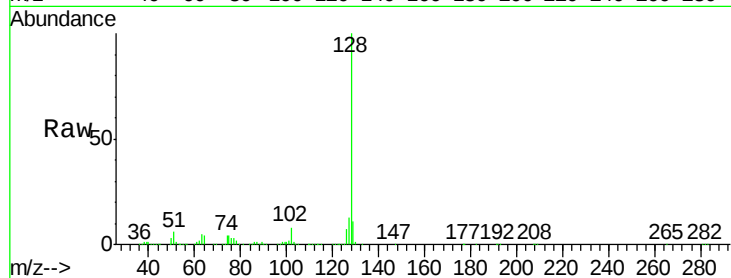
MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 1985763

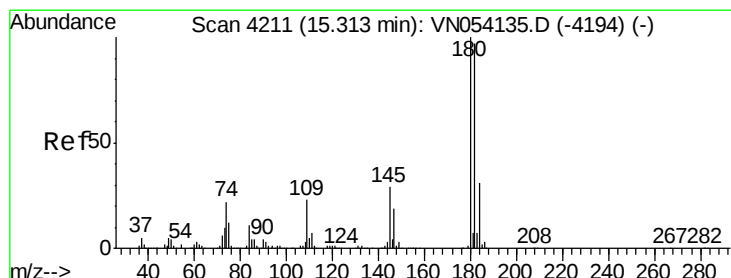
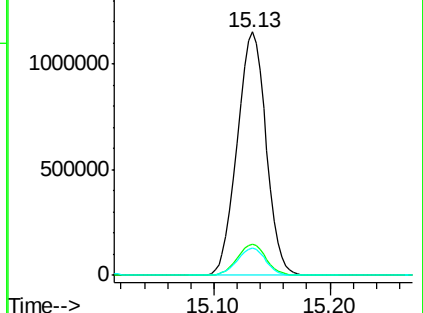
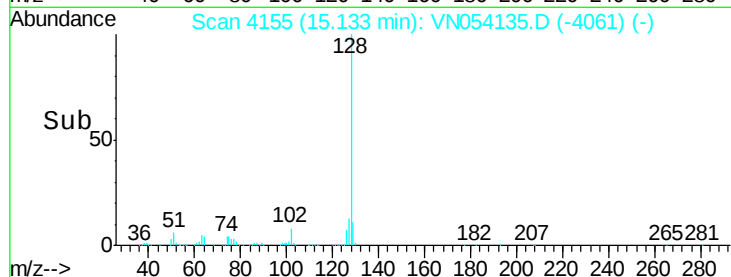
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.0	8.6	12.8



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: 51.297 ug/l

RT: 15.31 min Scan# 4211

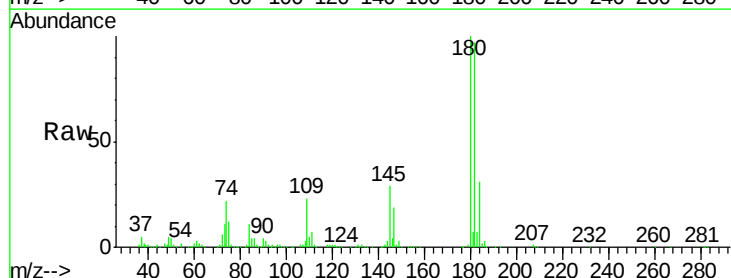
Delta R.T. 0.00 min

Lab File: VN054135.D

Acq: 11 Mar 2019 11:30

Tgt Ion:180 Resp: 966675

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	29.7	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

