

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054134.D
 Acq On : 11 Mar 2019 11:04
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 12 01:23:57 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	1684971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2543896	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2218608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	999663	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	317616	17.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.26%	
35) Dibromofluoromethane	7.59	113	282744	17.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.46%	
50) Toluene-d8	10.09	98	1046247	17.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.60%	
62) 4-Bromofluorobenzene	12.40	95	351286	16.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	246968	17.787	ug/l	98
3) Chloromethane	2.06	50	292014	17.672	ug/l	99
4) Vinyl Chloride	2.19	62	333318	17.897	ug/l	100
5) Bromomethane	2.58	94	219737	17.211	ug/l	98
6) Chloroethane	2.71	64	210699	18.196	ug/l	99
7) Trichlorofluoromethane	3.03	101	464248	18.090	ug/l	100
8) Diethyl Ether	3.42	74	189612	18.359	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.75	101	302553	18.308	ug/l	96
10) Methyl Iodide	3.95	142	402731	19.071	ug/l	97
11) Tert butyl alcohol	4.82	59	112951	90.792	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	291384	18.250	ug/l	91
13) Acrolein	3.61	56	95051	94.180	ug/l	94
14) Allyl chloride	4.32	41	402481	17.391	ug/l	88
15) Acrylonitrile	5.00	53	465946	92.697	ug/l	98
16) Acetone	3.82	43	541175	109.307	ug/l	93
17) Carbon Disulfide	4.04	76	727286	17.649	ug/l	99
18) Methyl Acetate	4.33	43	207570	17.920	ug/l	93
19) Methyl tert-butyl Ether	5.06	73	797927	18.382	ug/l	97
20) Methylene Chloride	4.55	84	289212	17.846	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	280307	17.878	ug/l	92
22) Diisopropyl ether	5.96	45	780367	18.258	ug/l #	96
23) Vinyl Acetate	5.90	43	2905248	90.021	ug/l	95
24) 1,1-Dichloroethane	5.85	63	502078	18.120	ug/l	99
25) 2-Butanone	6.85	43	596739	99.270	ug/l	96
26) 2,2-Dichloropropane	6.82	77	455308	17.794	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	329220	18.356	ug/l	94
28) Bromochloromethane	7.20	49	236268	19.607	ug/l #	76
29) Tetrahydrofuran	7.22	42	358094	92.716	ug/l	91
30) Chloroform	7.37	83	527631	17.982	ug/l	99
31) Cyclohexane	7.65	56	455329	18.791	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	477398	17.975	ug/l	97
36) 1,1-Dichloropropene	7.79	75	390567	17.641	ug/l	98
37) Ethyl Acetate	6.94	43	236250	16.455	ug/l	96
38) Carbon Tetrachloride	7.77	117	425580	17.340	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	480086	17.613	ug/l	93
40) Benzene	8.04	78	1151289	18.096	ug/l	100
41) Methacrylonitrile	7.18	41	134766	18.029	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	398972	18.189	ug/l	100
43) Isopropyl Acetate	8.17	43	428424	17.951	ug/l #	88
44) Trichloroethene	8.83	130	357010	18.183	ug/l	100
45) 1,2-Dichloropropane	9.12	63	292586	17.997	ug/l	99
46) Dibromomethane	9.21	93	198672	18.013	ug/l	92
47) Bromodichloromethane	9.40	83	406141	17.765	ug/l	97
48) Methyl methacrylate	9.20	41	216724	16.891	ug/l	96
49) 1,4-Dioxane	9.21	88	58656	352.360	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	1142190	89.226	ug/l	97
52) Toluene	10.16	92	739587	18.156	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	408482	17.547	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	471781	18.046	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	273891	17.835	ug/l	97
56) Ethyl methacrylate	10.43	69	326232	17.356	ug/l	93
57) 1,3-Dichloropropane	10.71	76	449040	18.064	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	623865	89.893	ug/l	91
59) 2-Hexanone	10.75	43	763815	89.909	ug/l	97
60) Dibromochloromethane	10.90	129	319653	17.969	ug/l	98
61) 1,2-Dibromoethane	11.00	107	279336	18.101	ug/l	97
64) Tetrachloroethene	10.63	164	379040	18.555	ug/l	98
65) Chlorobenzene	11.44	112	838799	17.844	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	320364	18.116	ug/l	99
67) Ethyl Benzene	11.51	91	1380850	17.671	ug/l	97
68) m/p-Xylenes	11.62	106	1077011	35.245	ug/l	96
69) o-Xylene	11.95	106	531808	17.730	ug/l	98
70) Styrene	11.96	104	825309	17.762	ug/l	99
71) Bromoform	12.13	173	224806	18.343	ug/l #	99
73) Isopropylbenzene	12.25	105	1436093	18.061	ug/l	98
74) N-amyl acetate	12.07	43	312816	17.273	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	303645	17.647	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	397234	28.139	ug/l #	100
77) Bromobenzene	12.53	156	370625	17.908	ug/l	89
78) n-propylbenzene	12.59	91	1560381	18.339	ug/l	97
79) 2-Chlorotoluene	12.67	91	925077	17.762	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1170780	17.763	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	81941	17.278	ug/l	98
82) 4-Chlorotoluene	12.77	91	906059	17.844	ug/l	97
83) tert-Butylbenzene	12.99	119	1094407	17.979	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1164371	18.041	ug/l	99
85) sec-Butylbenzene	13.17	105	1428832	18.115	ug/l	97
86) p-Isopropyltoluene	13.29	119	1228016	17.842	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	617755	17.862	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	604925	17.714	ug/l	99
89) n-Butylbenzene	13.61	91	951259	18.021	ug/l	98
90) Hexachloroethane	13.88	117	216475	17.614	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	612811	18.047	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51609	17.421	ug/l	88

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QLast Update : Tue Mar 12 00:55:17 2019
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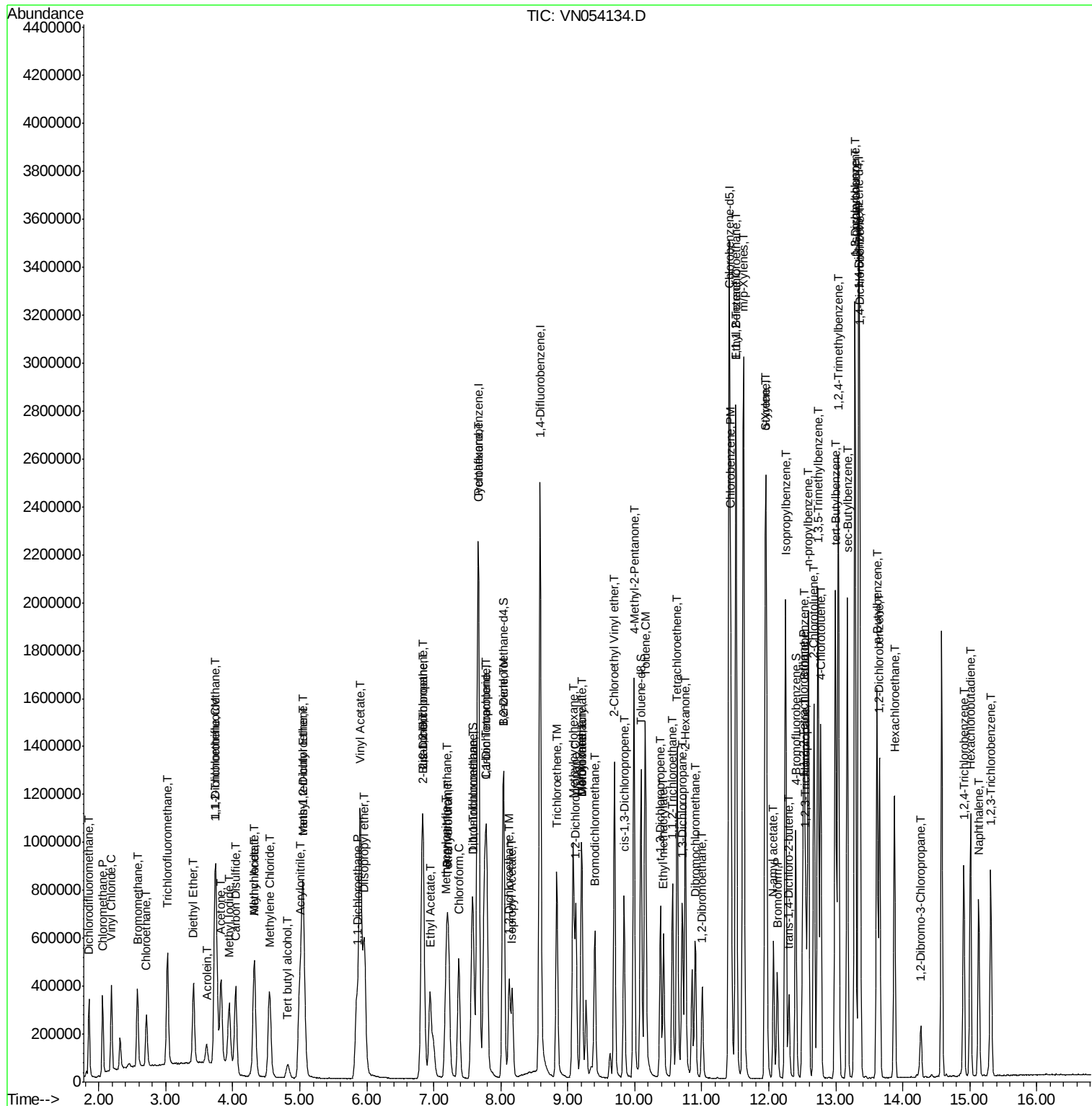
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	320240	18.182	ug/l	98
94) Hexachlorobutadiene	15.01	225	236665	17.623	ug/l	99
95) Naphthalene	15.13	128	661297	17.696	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	329380	18.456	ug/l	99

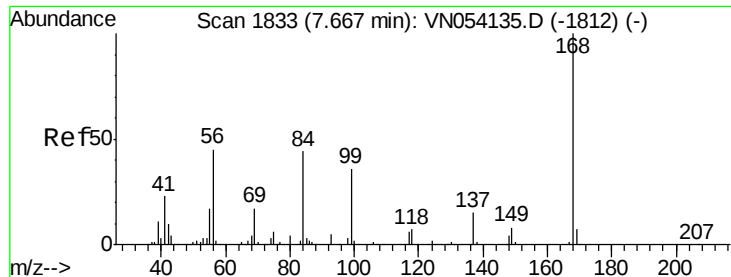
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

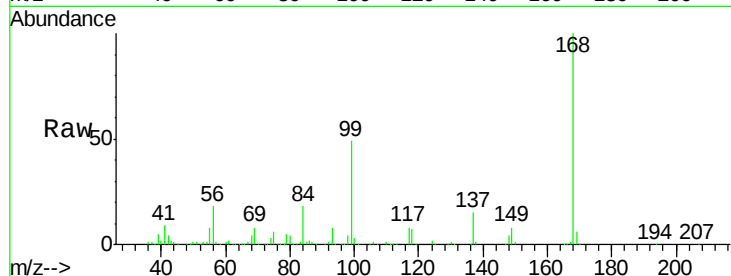
VSTDIC020

Tot Ion:168 Resp: 1684971

Ion Ratio Lower Upper

168 100

99 47.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

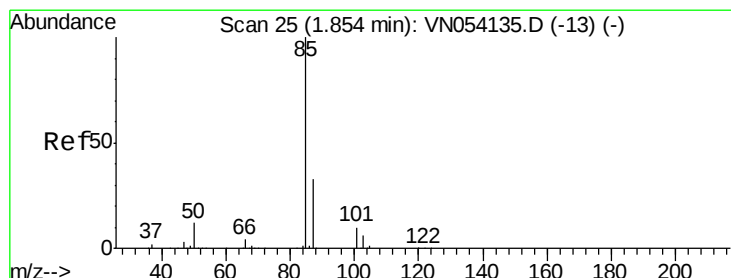
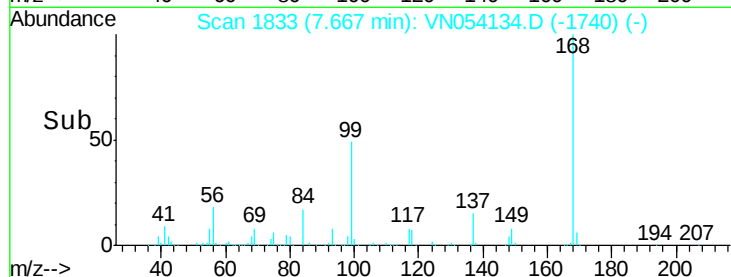
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 17.787 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054134.D

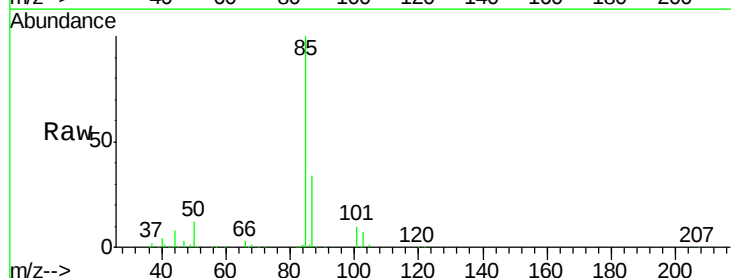
Acq: 11 Mar 2019 11:04

Tgt Ion: 85 Resp: 246968

Ion Ratio Lower Upper

85 100

87 33.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

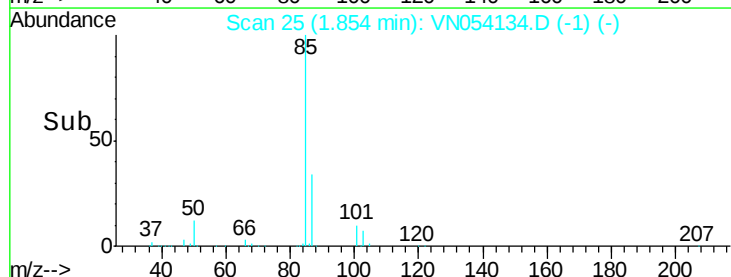
150000

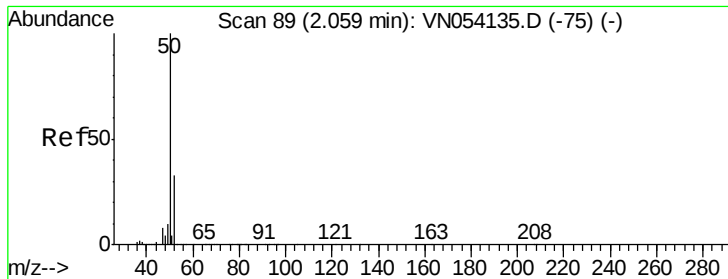
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 17.672 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

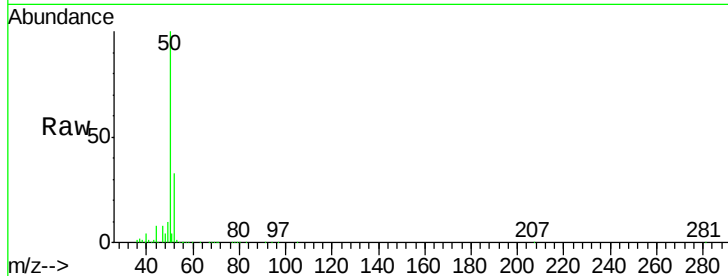
VSTDIC020

Tot Ion: 50 Resp: 292014

Ion Ratio Lower Upper

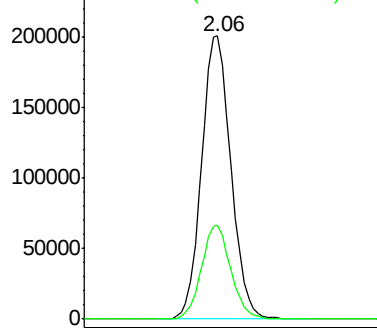
50 100

52 33.1 26.0 39.0

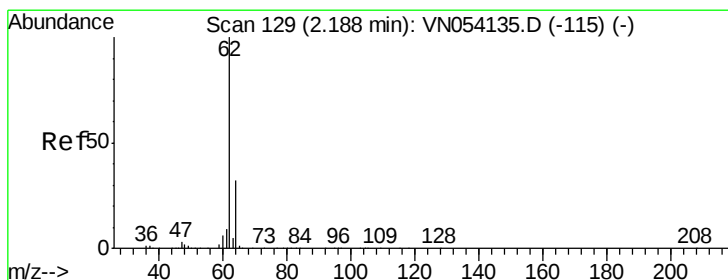
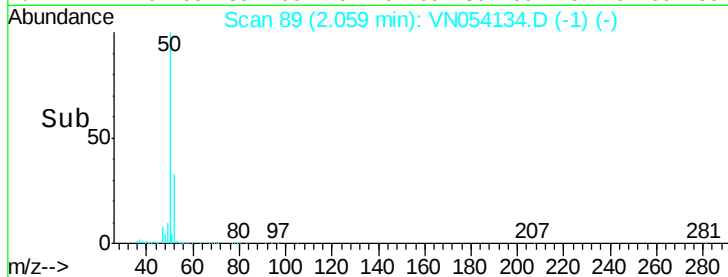


Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



Time-->



#4

Vinyl Chloride

Concen: 17.897 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054134.D

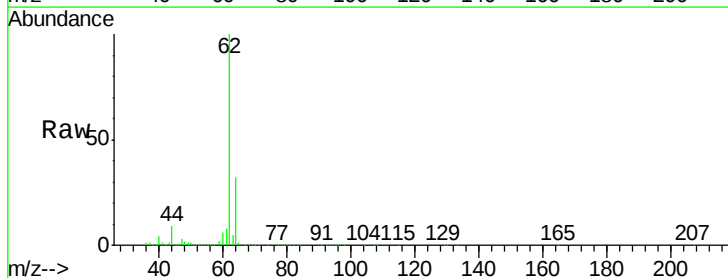
Acq: 11 Mar 2019 11:04

Tgt Ion: 62 Resp: 333318

Ion Ratio Lower Upper

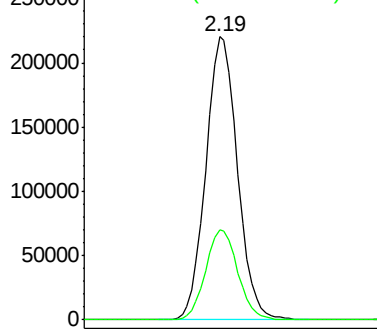
62 100

64 31.8 25.3 37.9

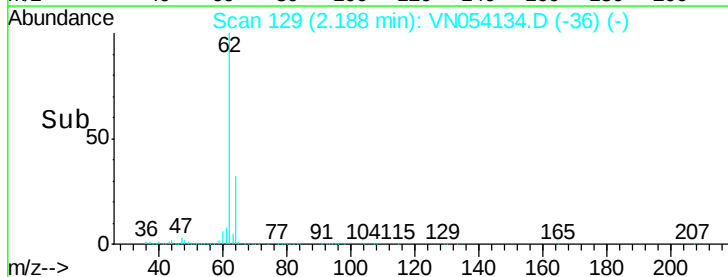


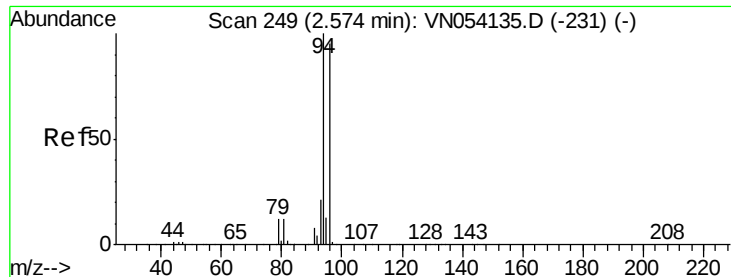
Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



Time-->





#5

Bromomethane

Concen: 17.211 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

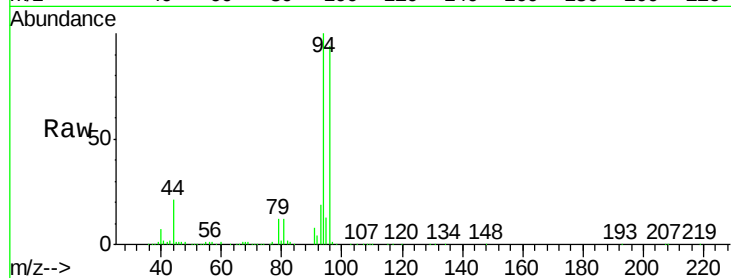
VSTDIC020

Tot Ion: 94 Resp: 219737

Ion Ratio Lower Upper

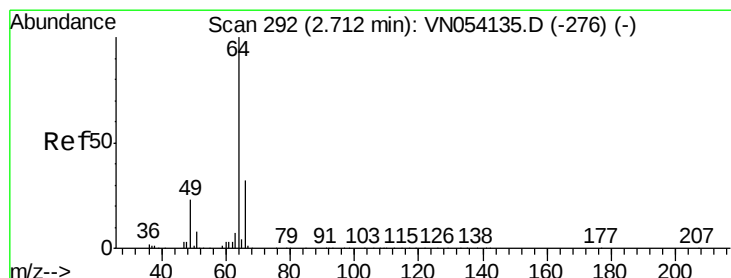
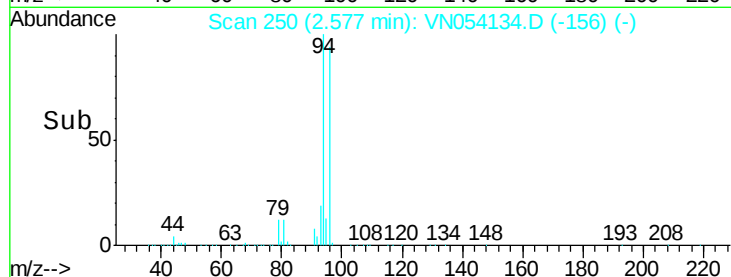
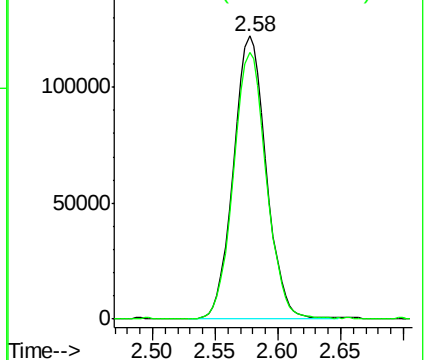
94 100

96 94.3 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.196 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN054134.D

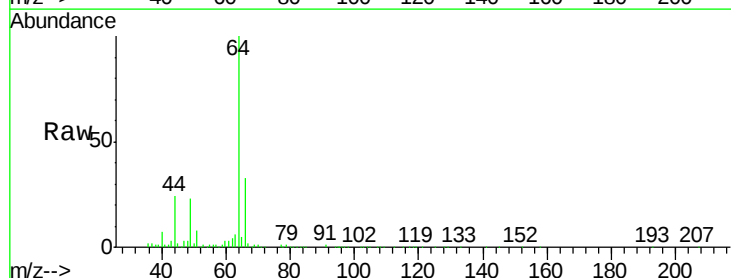
Acq: 11 Mar 2019 11:04

Tgt Ion: 64 Resp: 210699

Ion Ratio Lower Upper

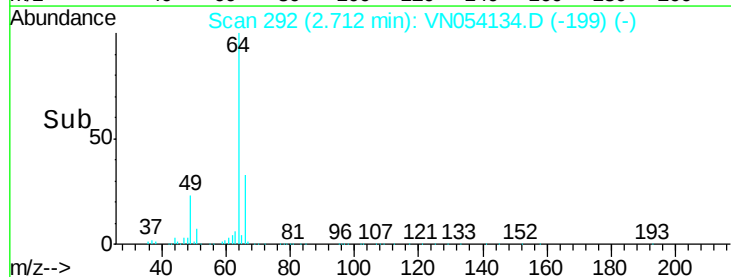
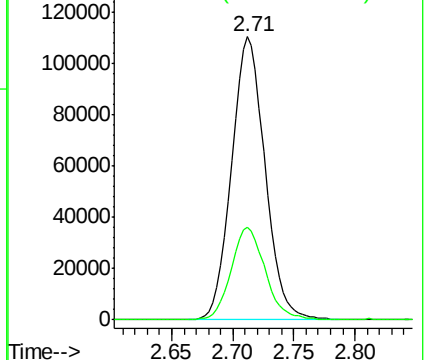
64 100

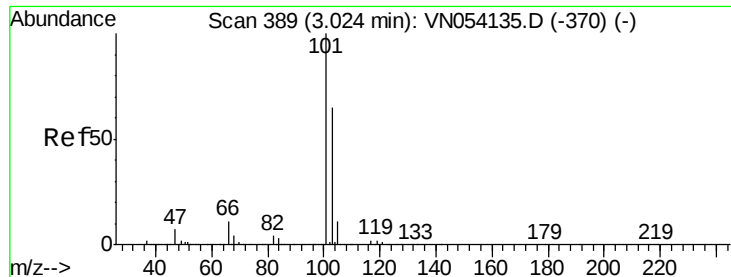
66 32.6 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



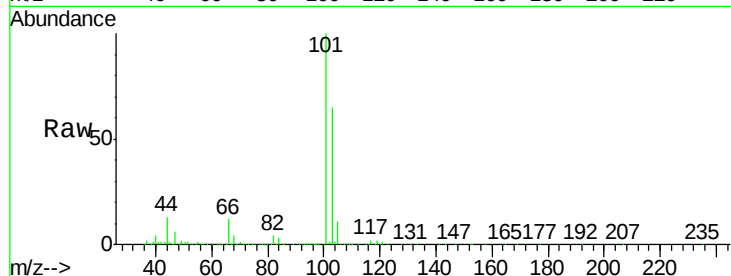


#7

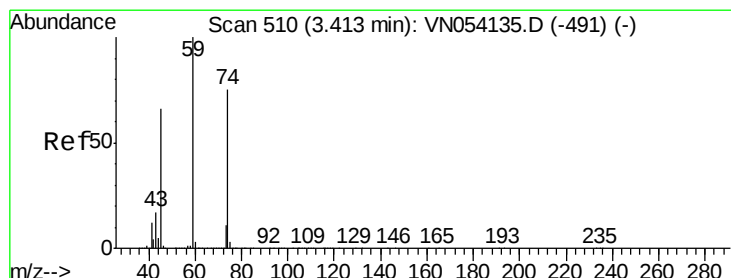
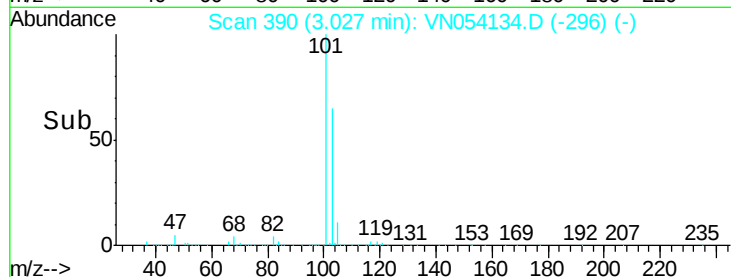
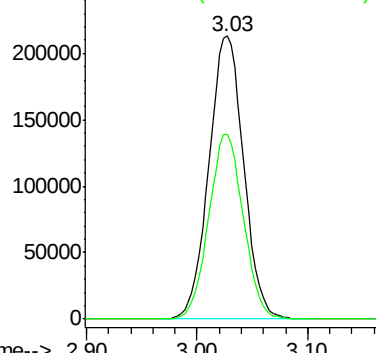
Trichlorofluoromethane
Concen: 18.090 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 464248
Ion Ratio Lower Upper
101 100
103 65.3 52.0 78.0



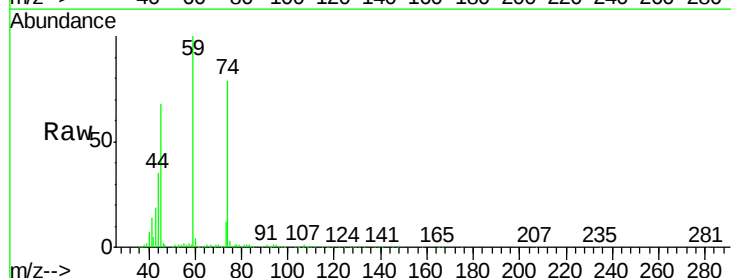
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



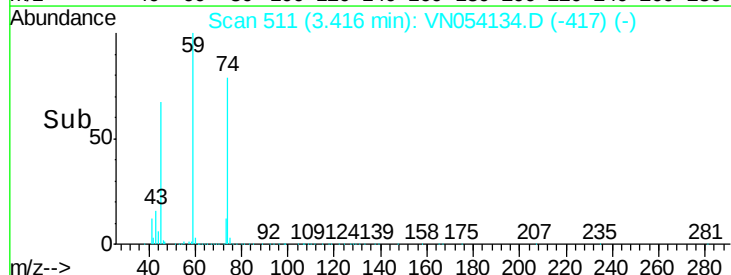
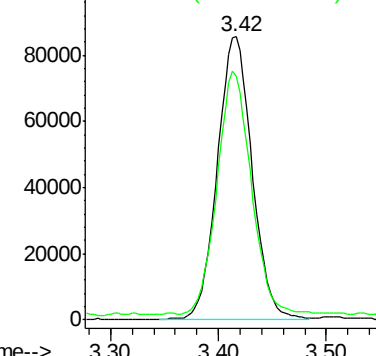
#8

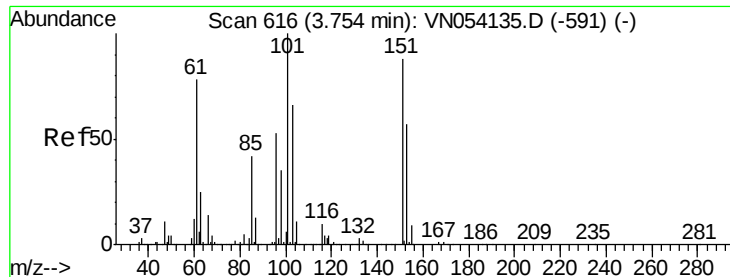
Diethyl Ether
Concen: 18.359 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN054134.D
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Tgt Ion: 74 Resp: 189612
Ion Ratio Lower Upper
74 100
45 84.8 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.308 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

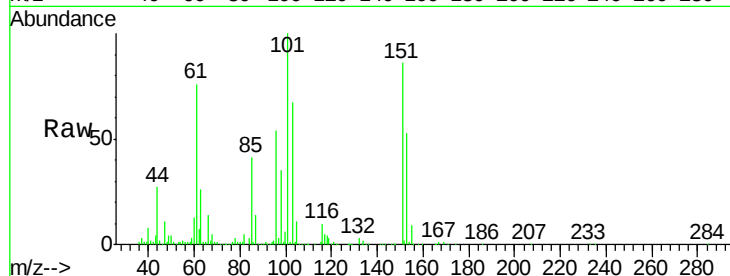
Tot Ion:101 Resp: 302553

Ion Ratio Lower Upper

101 100

85 40.8 33.1 49.7

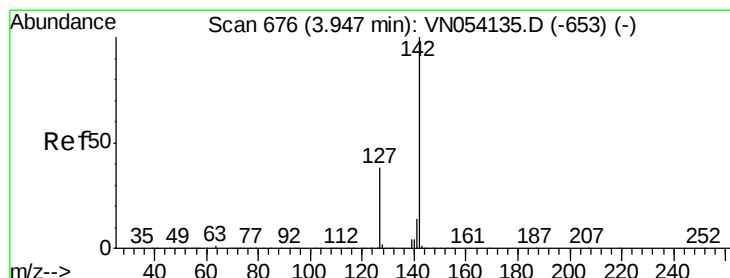
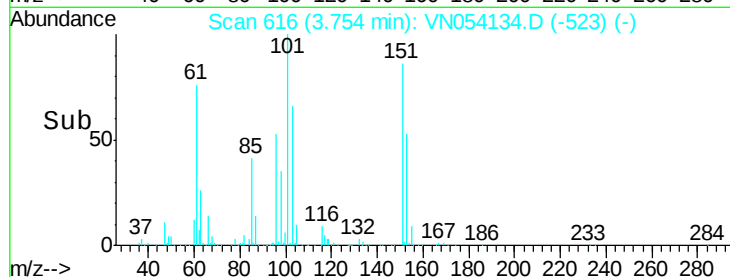
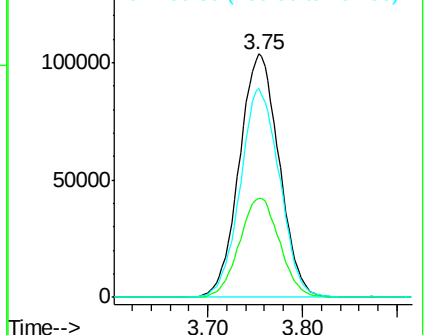
151 85.0 64.3 96.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.071 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

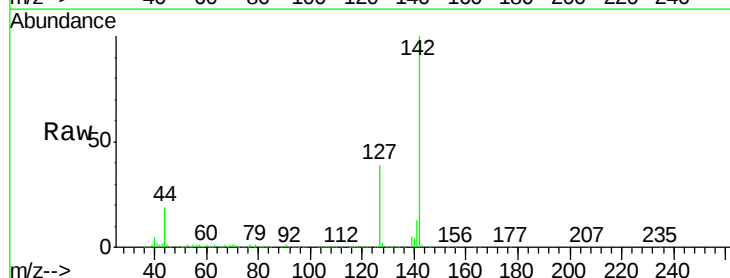
Tgt Ion:142 Resp: 402731

Ion Ratio Lower Upper

142 100

127 37.7 31.9 47.9

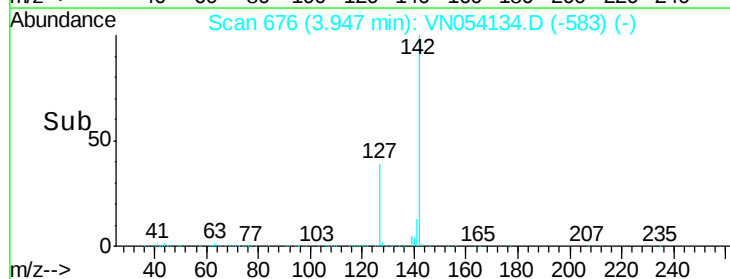
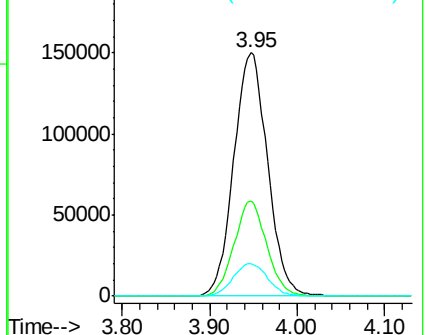
141 13.8 11.4 17.0

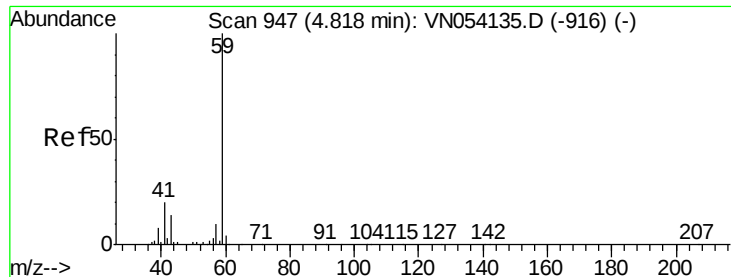


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

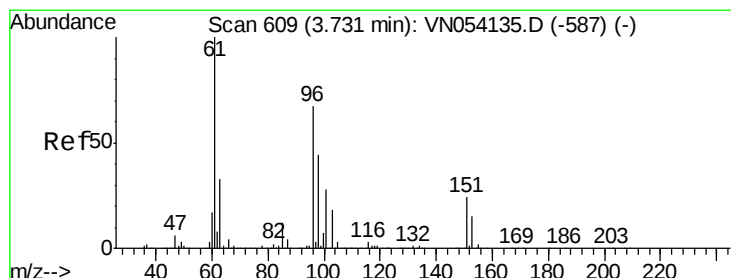
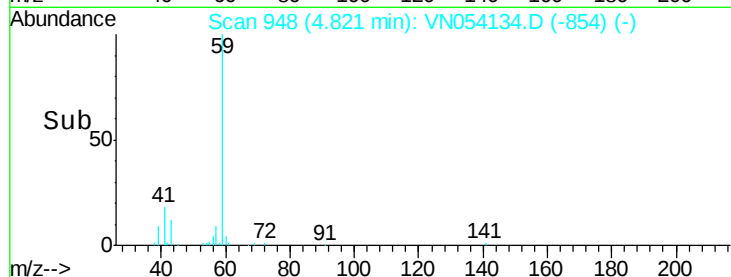
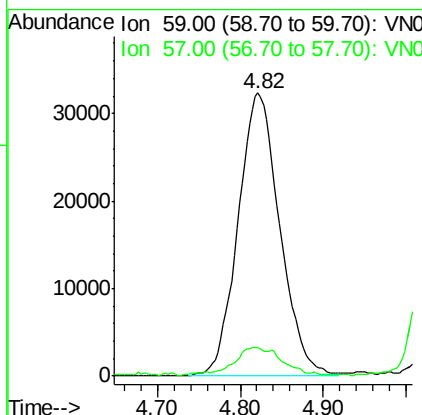
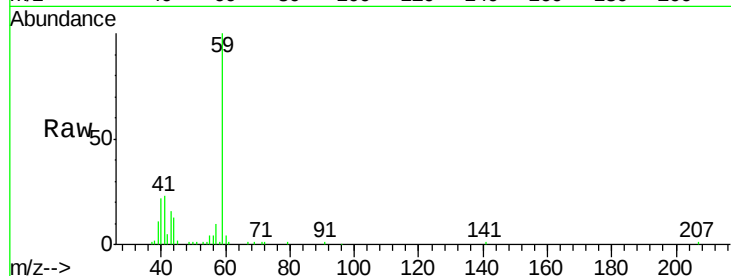




#11
Tert butyl alcohol
Concen: 90.792 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

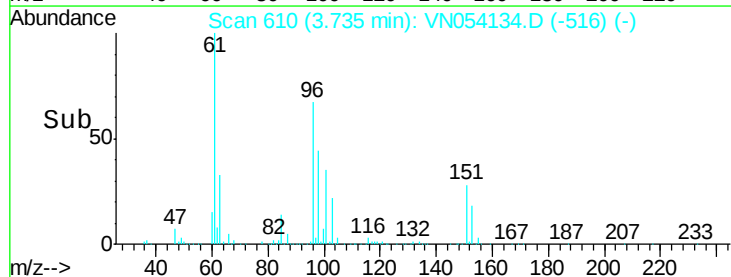
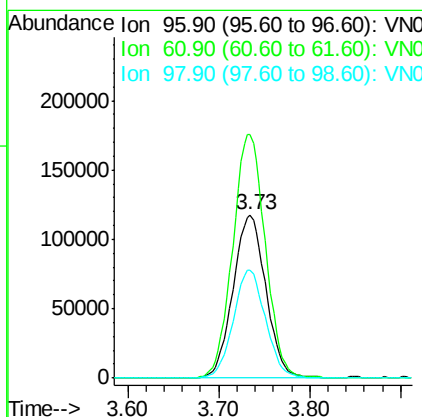
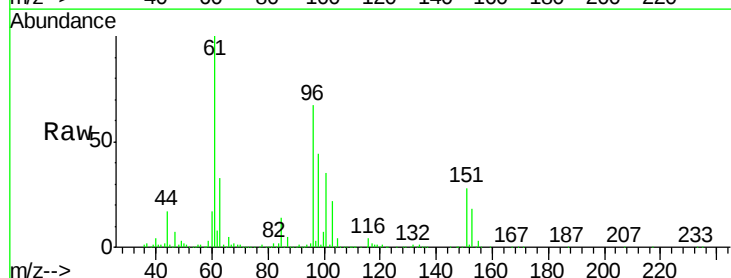
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

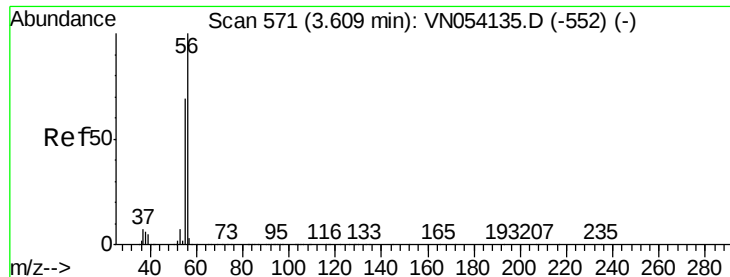
Tot Ion: 59 Resp: 112951
Ion Ratio Lower Upper
59 100
57 7.8 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 18.250 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Tgt Ion: 96 Resp: 291384
Ion Ratio Lower Upper
96 100
61 149.2 131.2 196.8
98 66.1 50.7 76.1





#13

Acrolein

Concen: 94.180 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

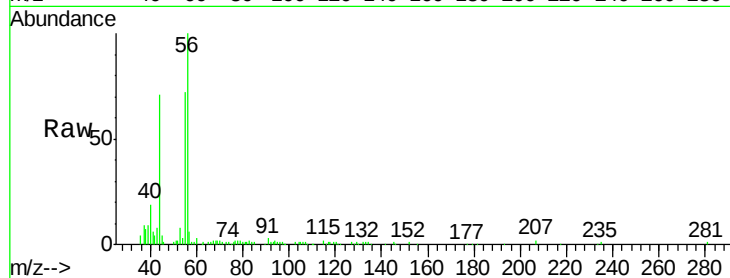
VSTDIC020

Tot Ion: 56 Resp: 95051

Ion Ratio Lower Upper

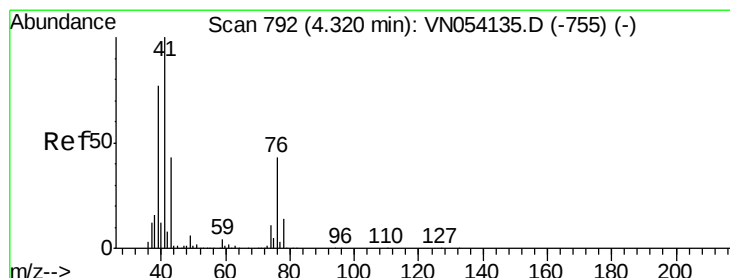
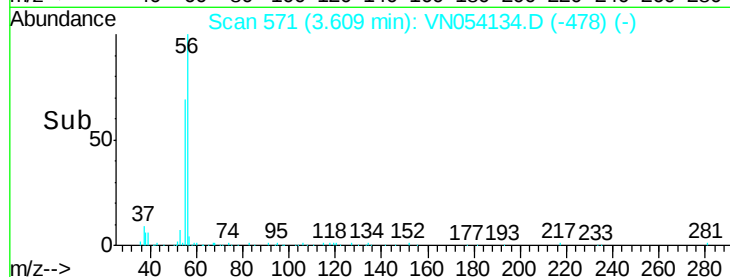
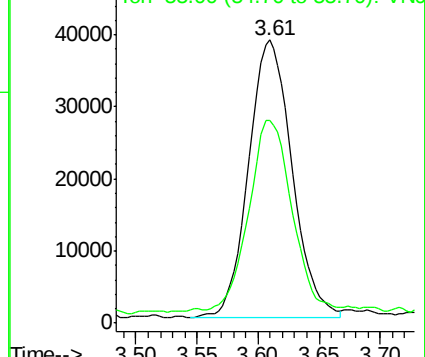
56 100

55 66.1 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 17.391 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

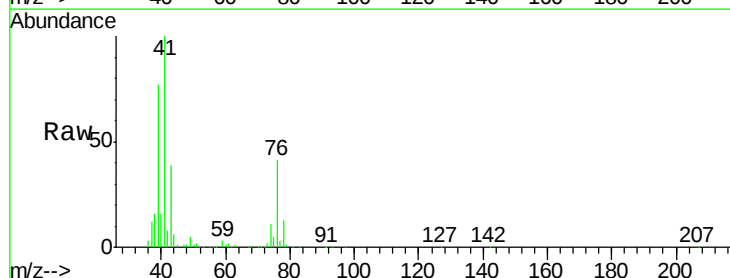
Tgt Ion: 41 Resp: 402481

Ion Ratio Lower Upper

41 100

39 71.7 49.3 73.9

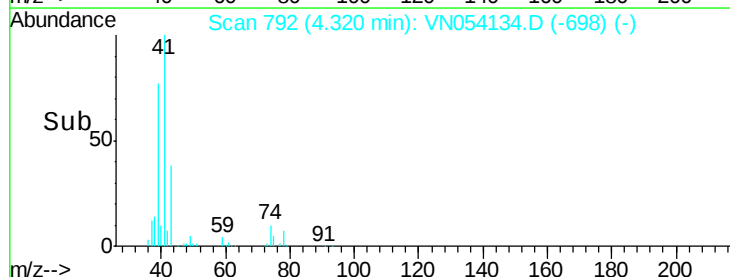
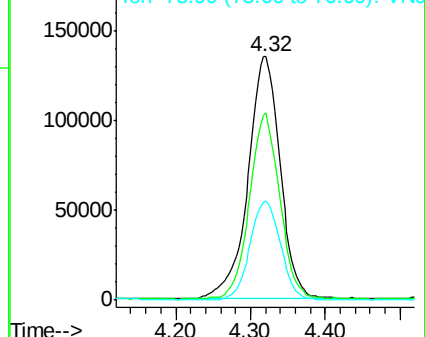
76 39.1 26.5 39.7

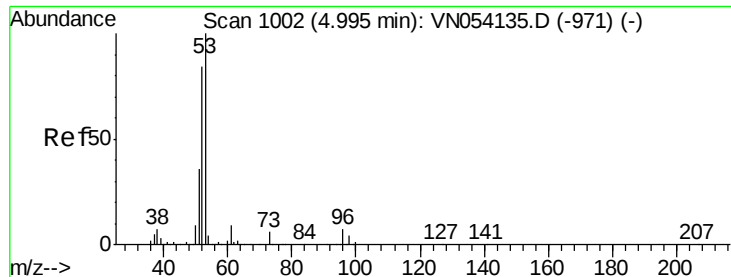


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 92.697 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

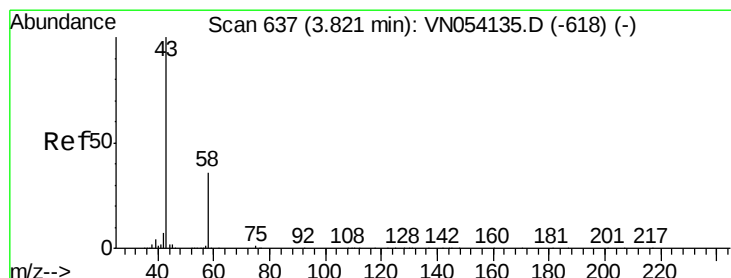
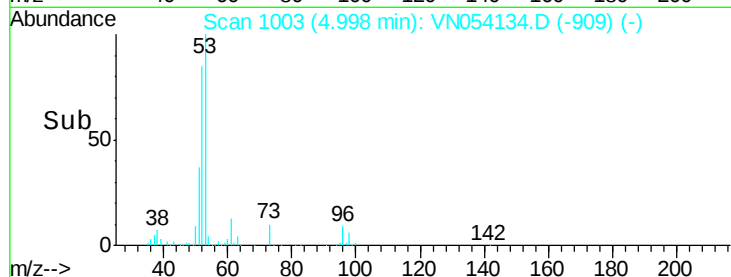
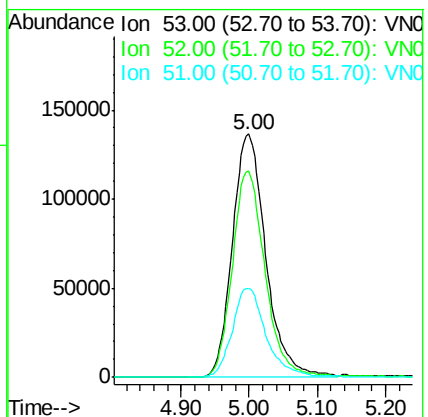
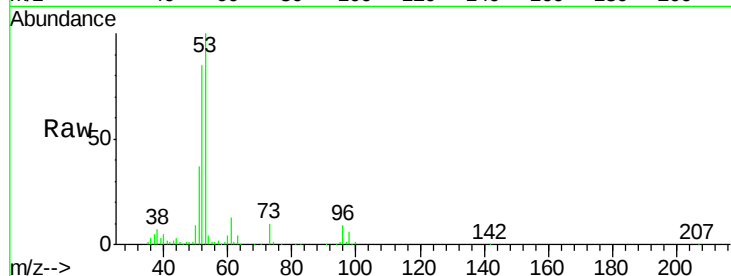
Tot Ion: 53 Resp: 465946

Ion Ratio Lower Upper

53 100

52 82.6 64.6 97.0

51 37.4 28.6 42.8



#16

Acetone

Concen: 109.307 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054134.D

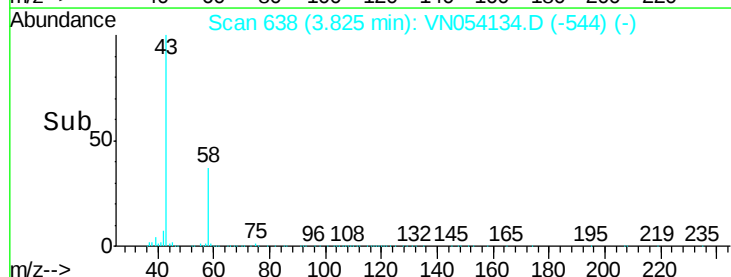
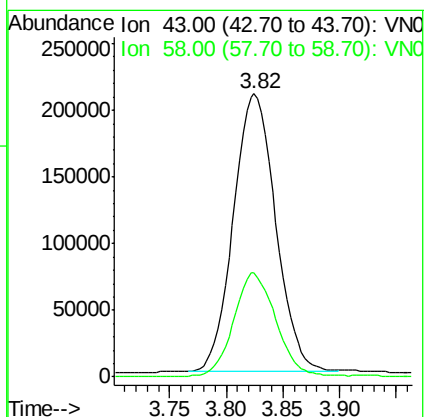
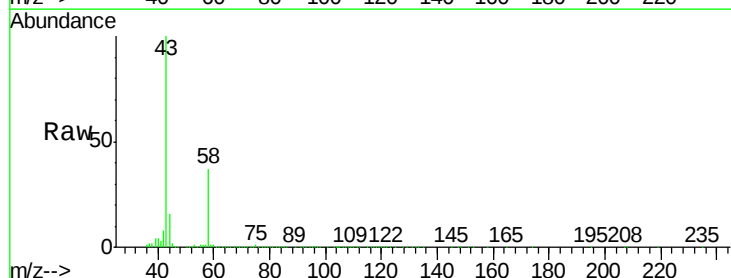
Acq: 11 Mar 2019 11:04

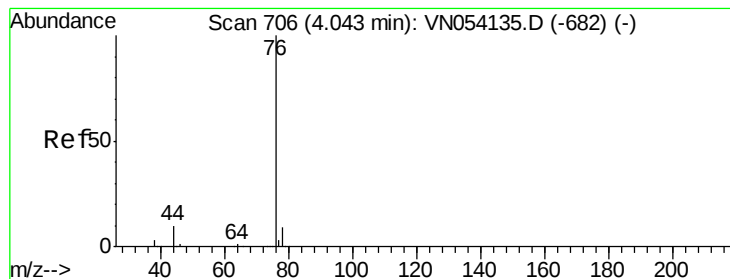
Tgt Ion: 43 Resp: 541175

Ion Ratio Lower Upper

43 100

58 37.0 26.5 39.7





#17

Carbon Disulfide

Concen: 17.649 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

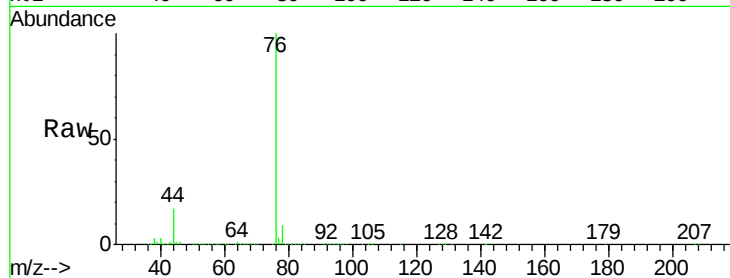
VSTDIC020

Tot Ion: 76 Resp: 727286

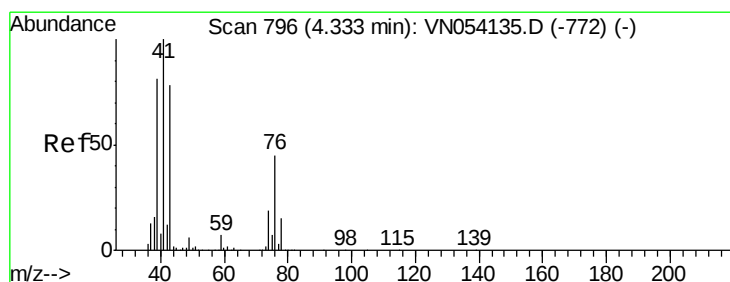
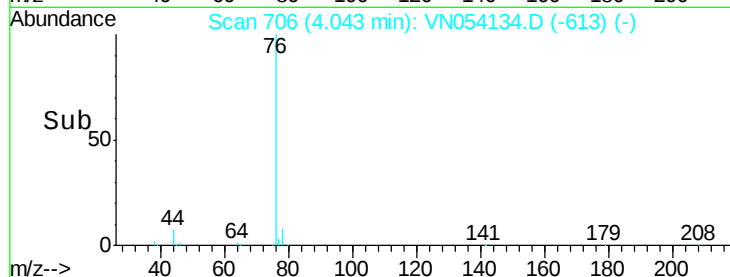
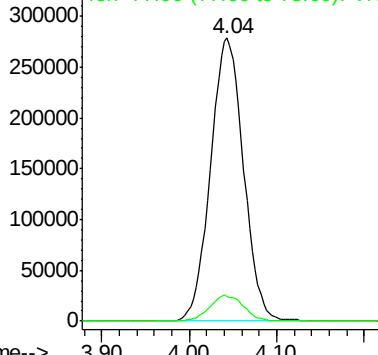
Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 17.920 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054134.D

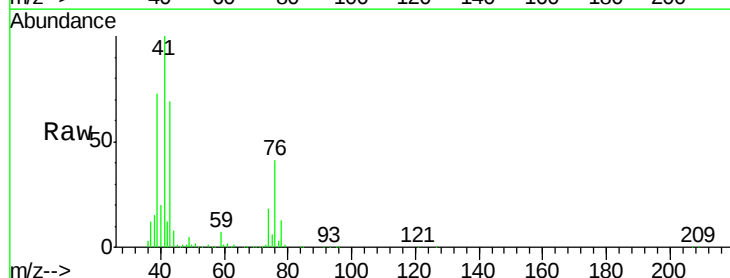
Acq: 11 Mar 2019 11:04

Tgt Ion: 43 Resp: 207570

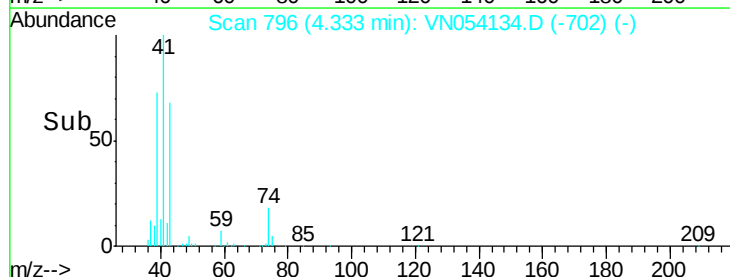
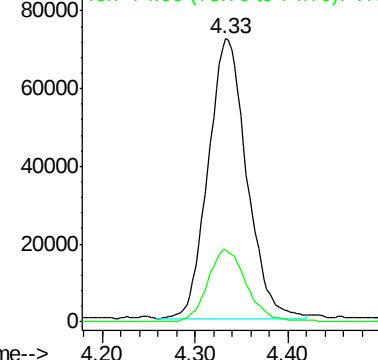
Ion Ratio Lower Upper

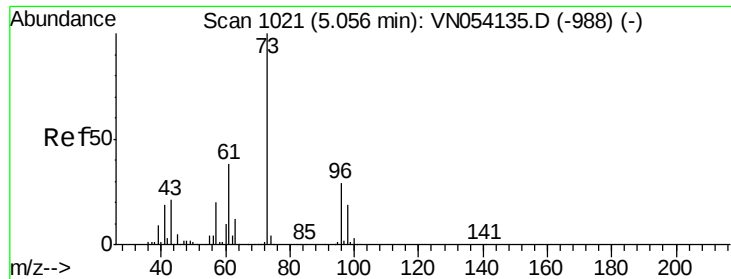
43 100

74 26.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

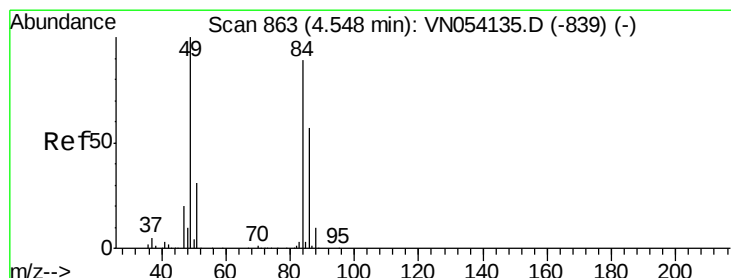
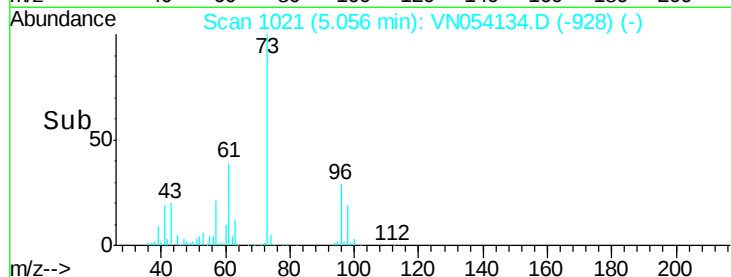
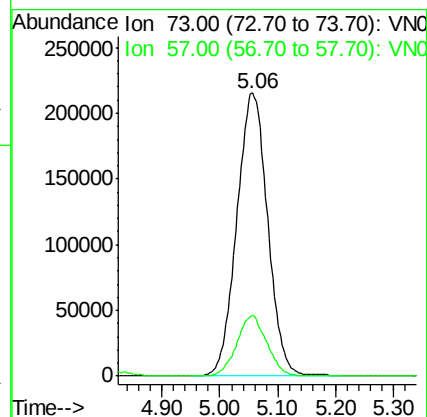
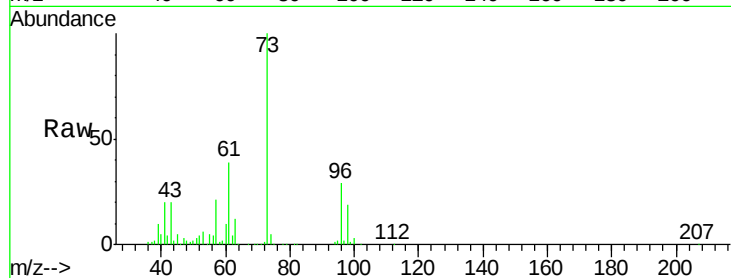




#19
Methvl tert-butvl Ether
Concen: 18.382 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

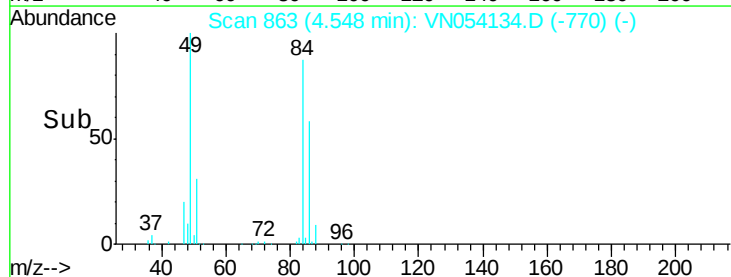
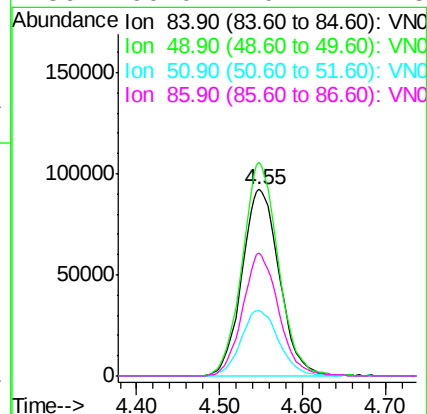
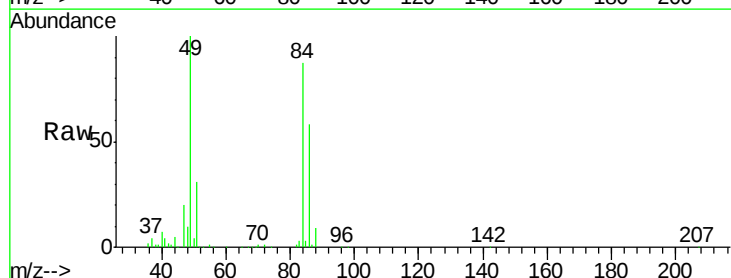
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

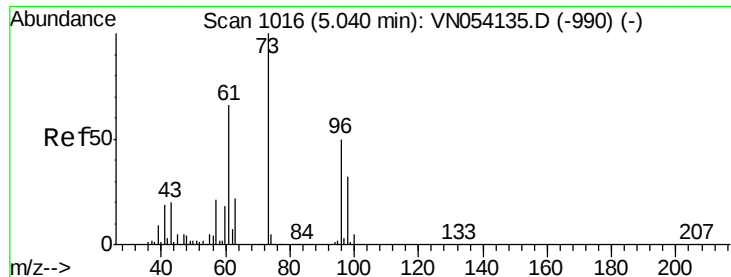
Tot Ion: 73 Resp: 797927
Ion Ratio Lower Upper
73 100
57 21.2 18.2 27.4



#20
Methylene Chloride
Concen: 17.846 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Tgt Ion: 84 Resp: 289212
Ion Ratio Lower Upper
84 100
49 114.6 101.8 152.8
51 34.9 31.1 46.7
86 66.0 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 17.878 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

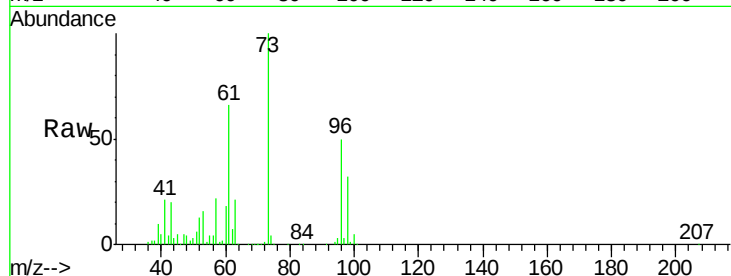
Tot Ion: 96 Resp: 280307

Ion Ratio Lower Upper

96 100

61 130.4 114.8 172.2

98 63.6 51.4 77.0

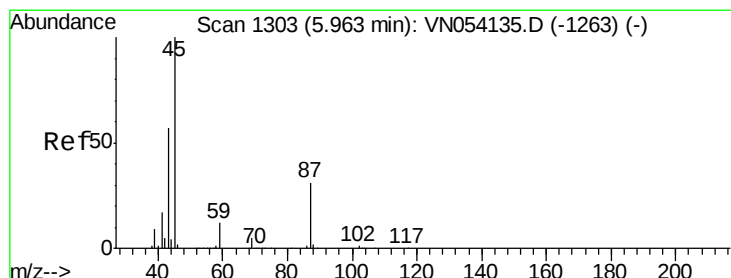
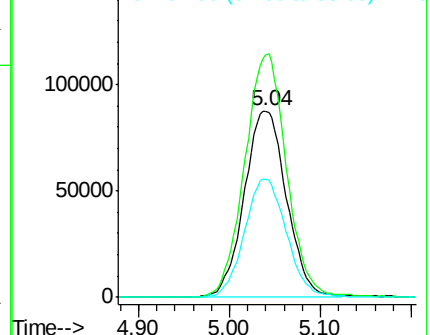
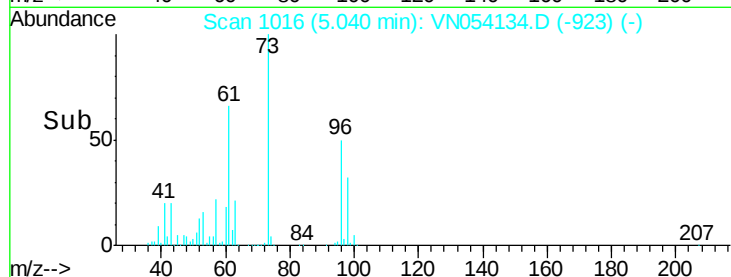


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.258 ug/l

RT: 5.96 min Scan# 1303

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Tgt Ion: 45 Resp: 780367

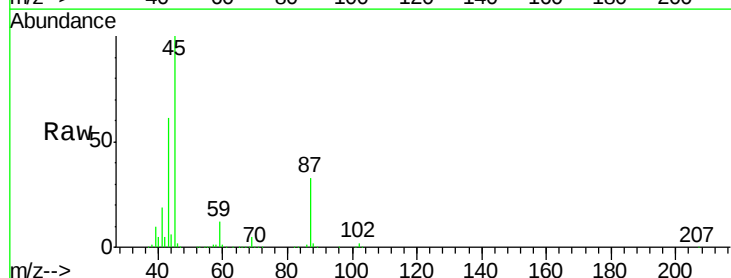
Ion Ratio Lower Upper

45 100

43 58.8 46.2 69.4

87 32.1 20.6 31.0#

59 11.4 9.4 14.0



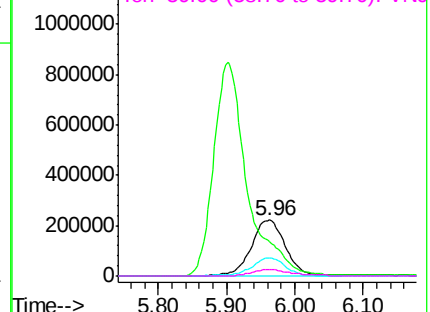
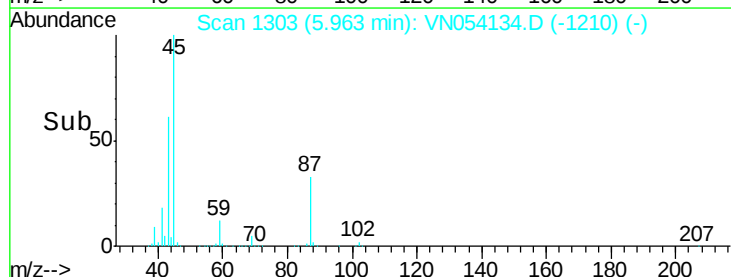
Abundance

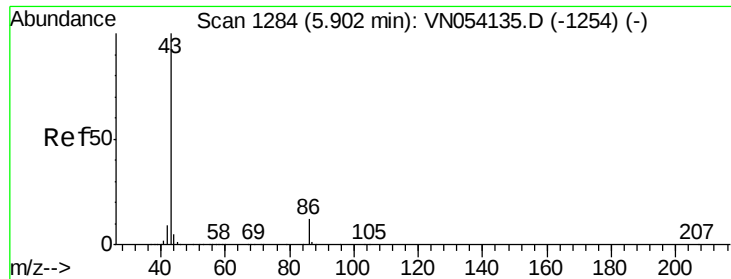
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

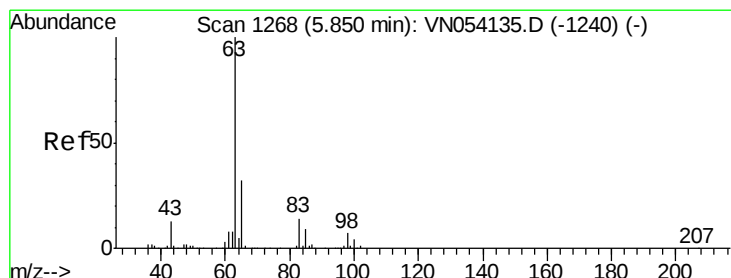
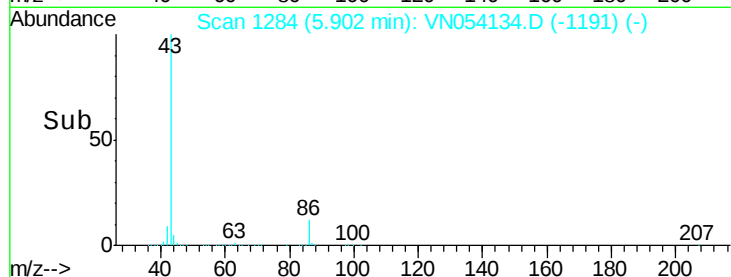
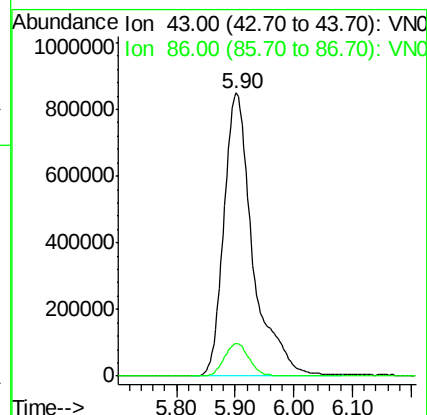
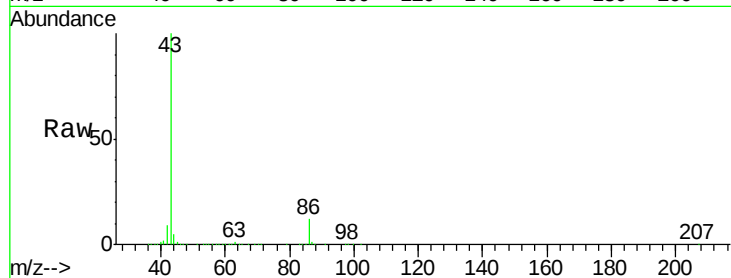




#23
 Vinyl Acetate
 Concen: 90.021 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VN054134.D
 Acq: 11 Mar 2019 11:04

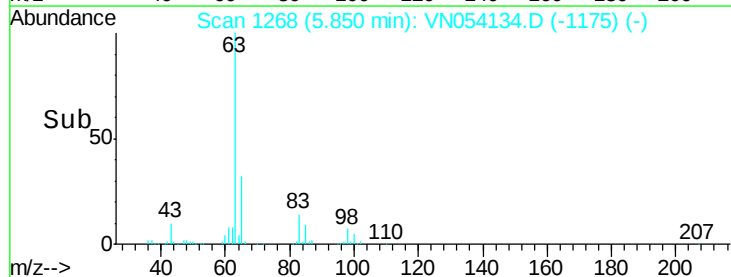
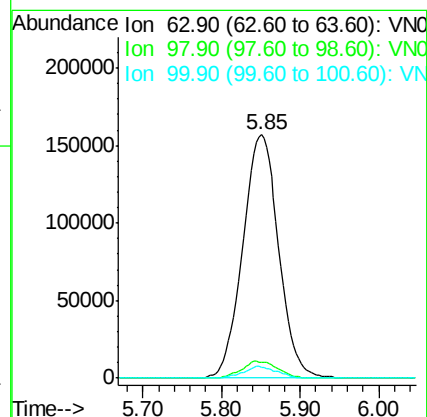
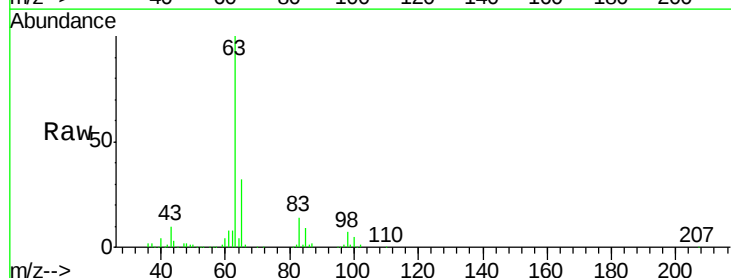
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

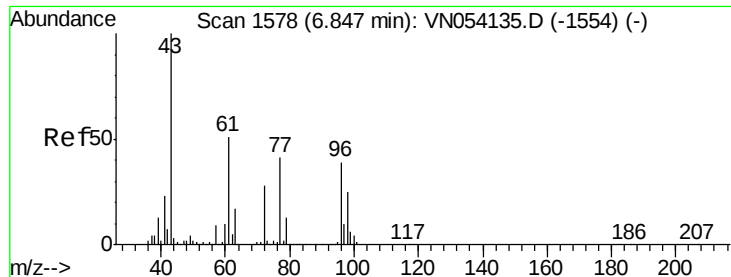
Tot Ion: 43 Resp: 2905248
 Ion Ratio Lower Upper
 43 100
 86 11.5 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 18.120 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN054134.D
 Acq: 11 Mar 2019 11:04

Tgt Ion: 63 Resp: 502078
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.1 9.4
 100 4.5 2.0 6.0

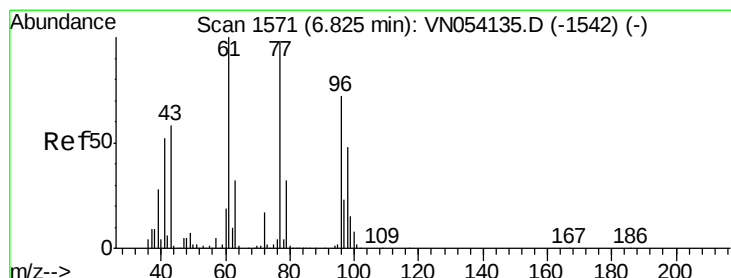
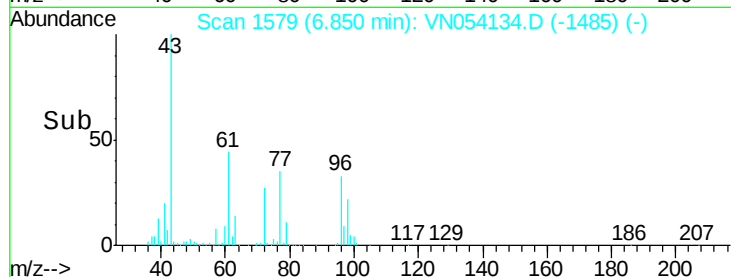
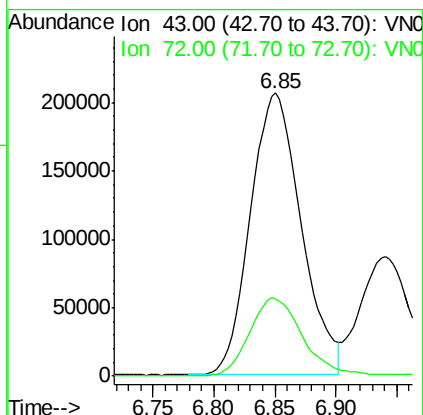
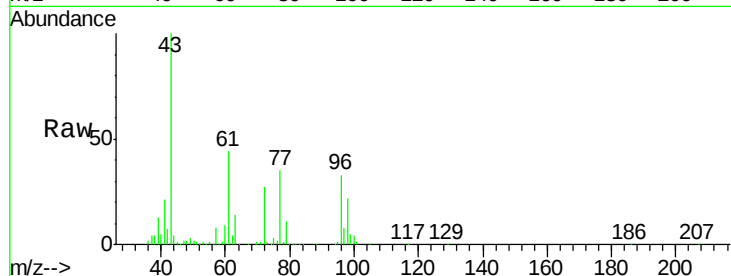




#25
2-Butanone
Concen: 99.270 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

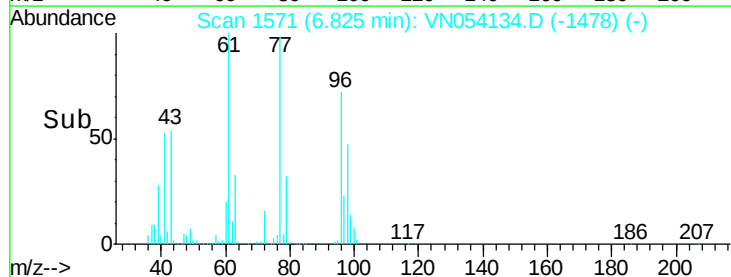
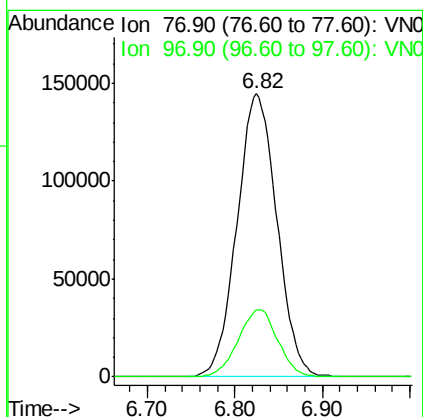
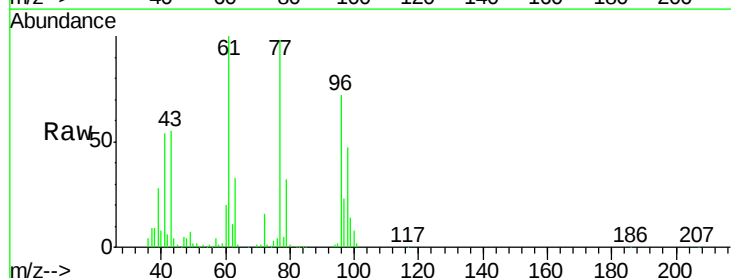
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

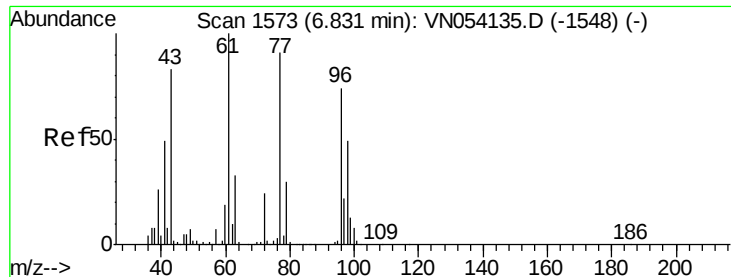
Tot Ion: 43 Resp: 596739
Ion Ratio Lower Upper
43 100
72 27.3 20.2 30.2



#26
2,2-Dichloropropane
Concen: 17.794 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Tgt Ion: 77 Resp: 455308
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.356 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

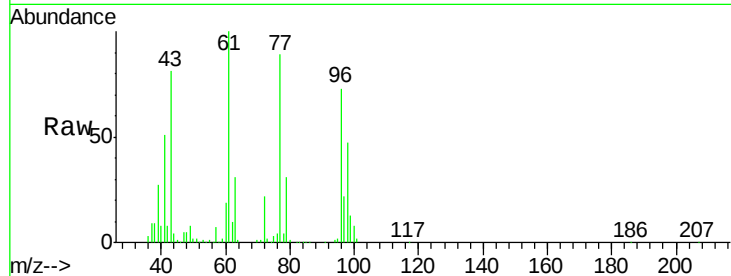
Tot Ion: 96 Resp: 329220

Ion Ratio Lower Upper

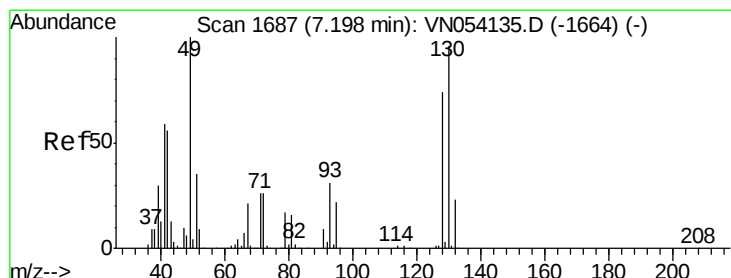
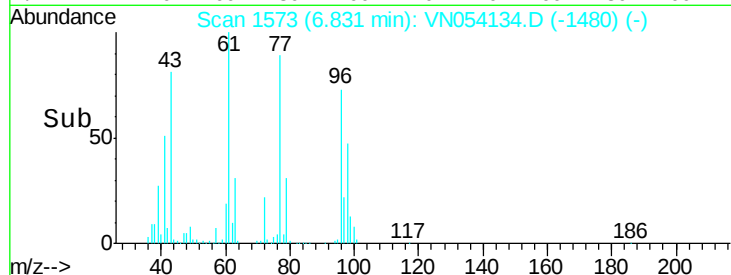
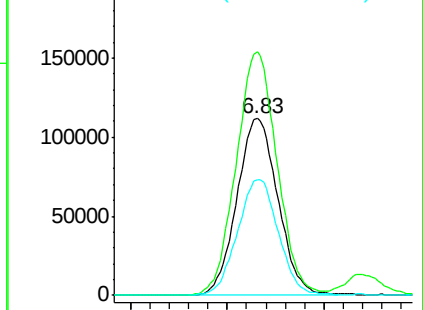
96 100

61 137.3 0.0 297.0

98 65.3 0.0 129.4



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



#28

Bromochloromethane

Concen: 19.607 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

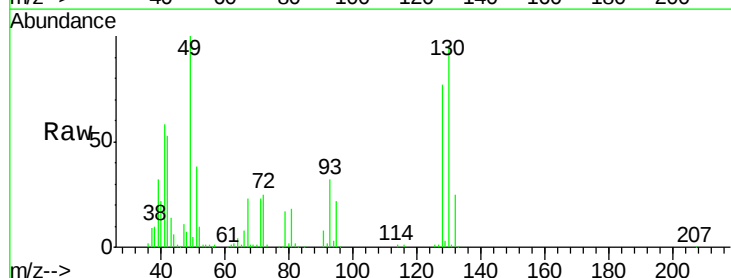
Tgt Ion: 49 Resp: 236268

Ion Ratio Lower Upper

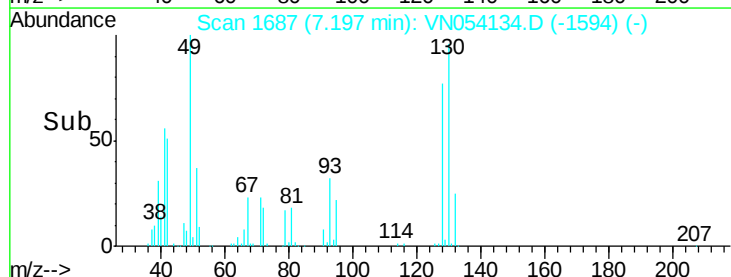
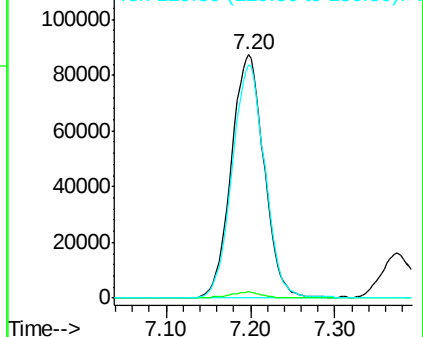
49 100

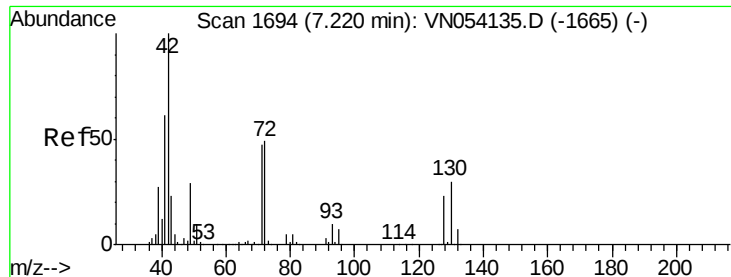
129 2.5 0.0 3.8

130 95.5 59.4 89.2#



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

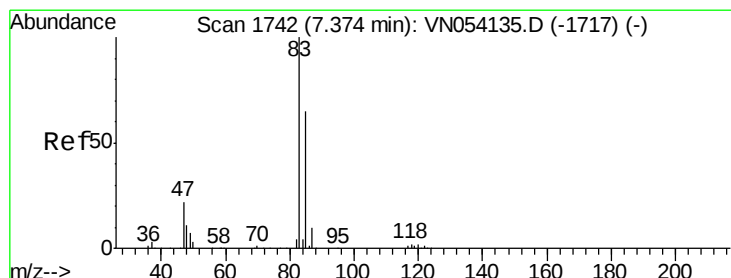
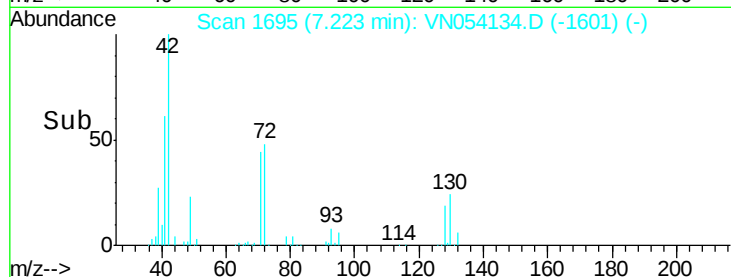
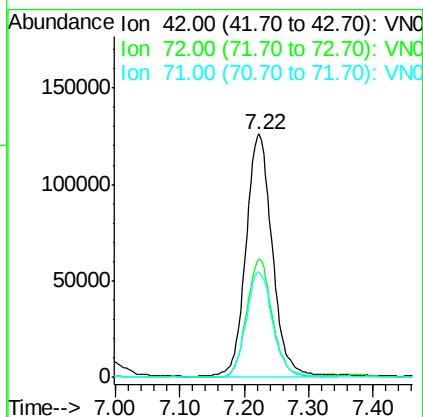
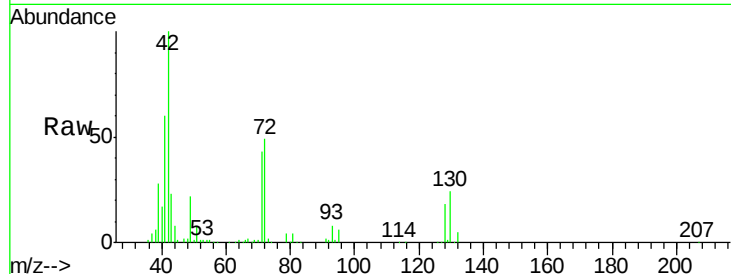




#29
Tetrahydrofuran
Concen: 92.716 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

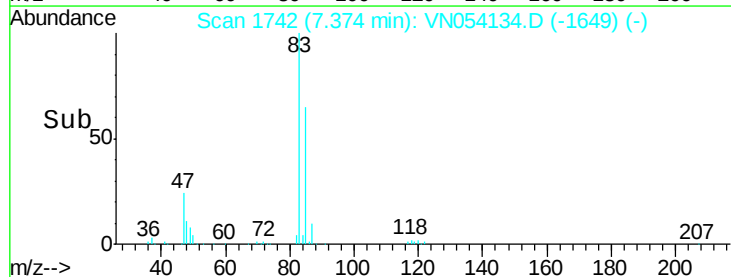
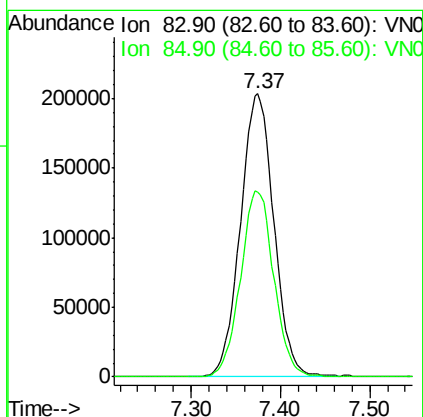
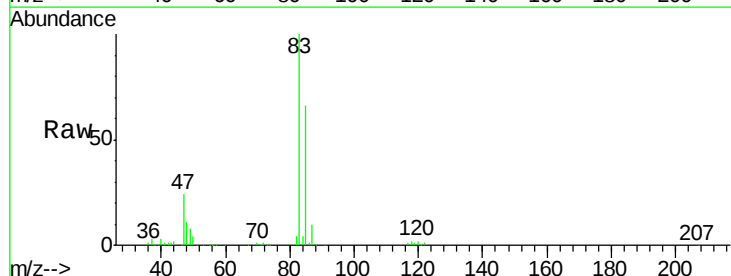
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

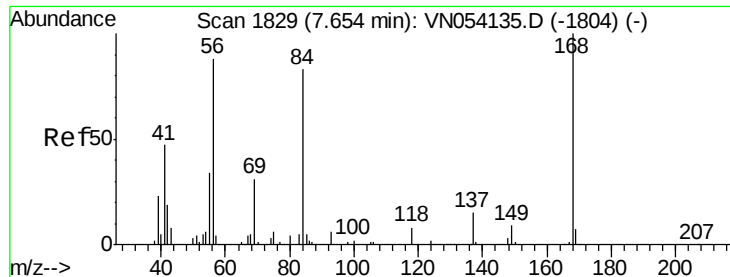
Tot Ion: 42 Resp: 358094
Ion Ratio Lower Upper
42 100
72 47.1 32.8 49.2
71 43.2 30.5 45.7



#30
Chloroform
Concen: 17.982 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Tgt Ion: 83 Resp: 527631
Ion Ratio Lower Upper
83 100
85 65.6 53.1 79.7

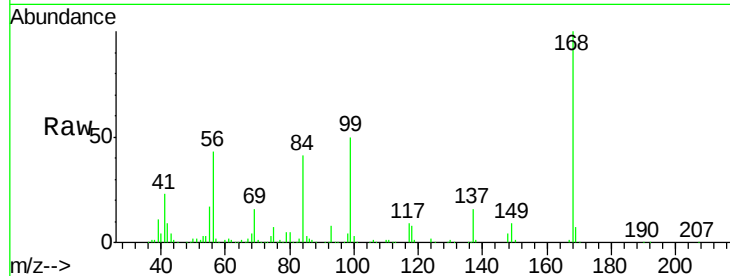




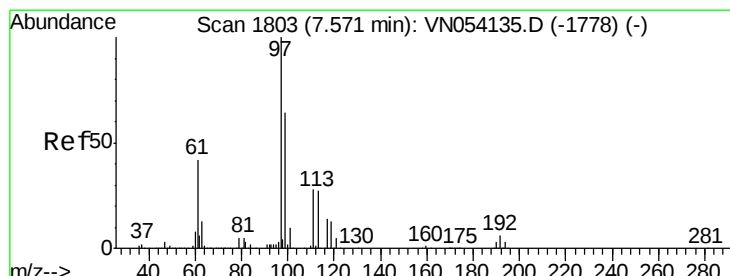
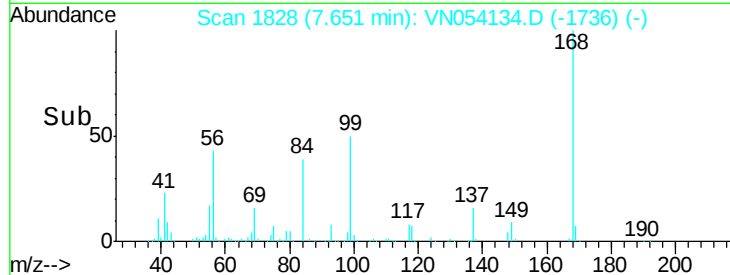
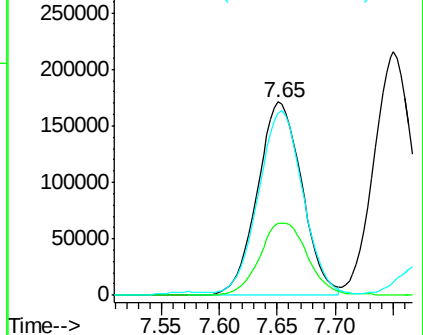
#31
Cyclohexane
Concen: 18.791 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	455329
Ion Ratio	Lower	Upper	
56	100		
69	37.1	25.5	38.3
84	92.3	64.5	96.7

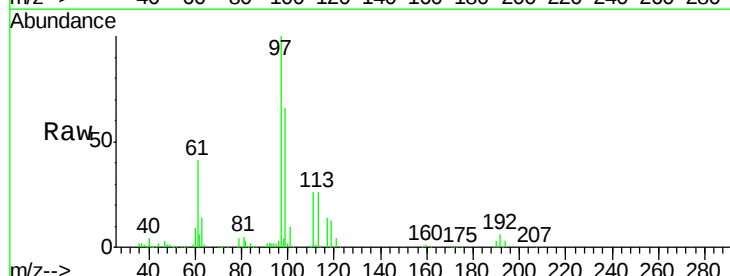


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

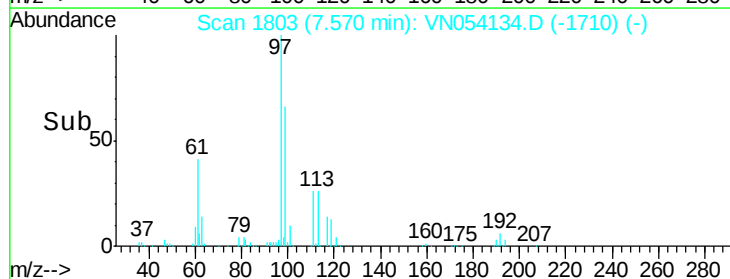
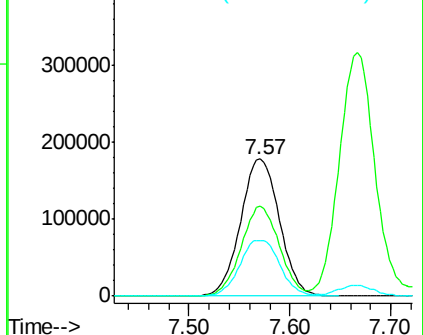


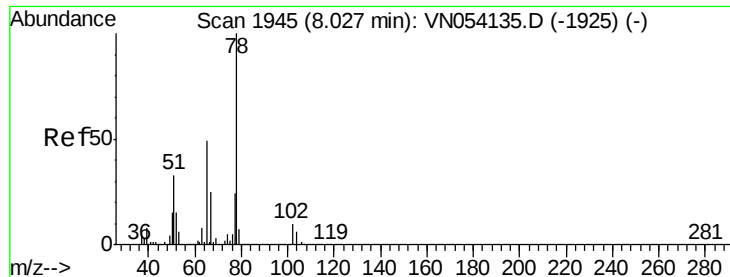
#32
1,1,1-Trichloroethane
Concen: 17.975 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Tgt Ion	97	Resp	477398
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.2	76.8
61	42.2	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: 17.626 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

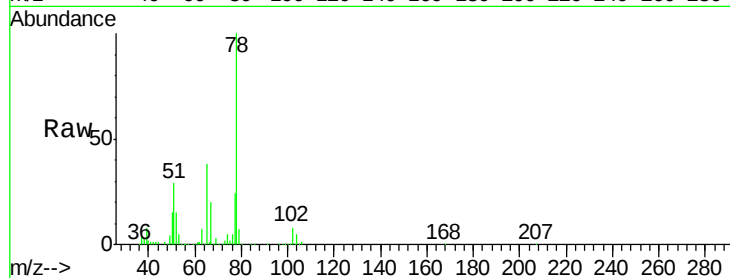
VSTDIC020

Tot Ion: 65 Resp: 317616

Ion Ratio Lower Upper

65 100

67 53.2 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN054134.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054134.D (-1852) (-)

8.03

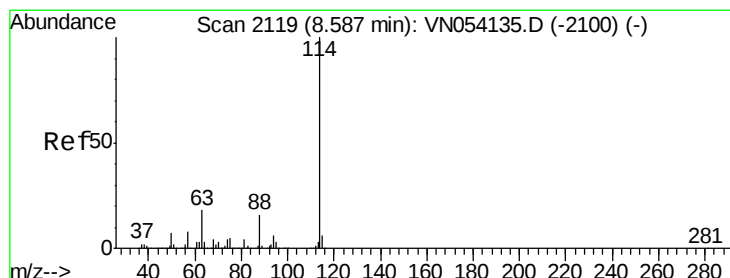
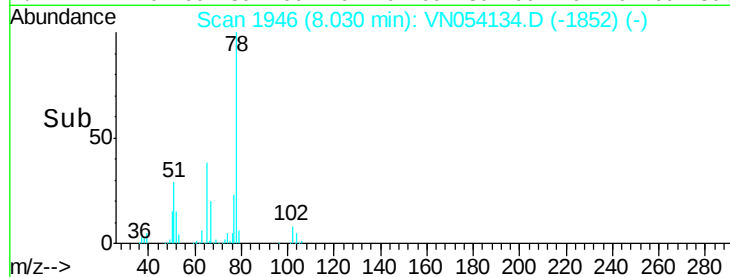
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

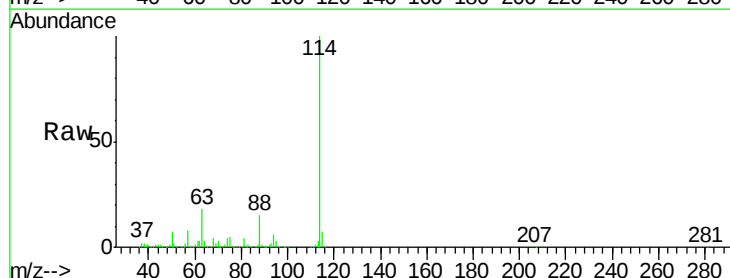
Tgt Ion: 114 Resp: 2543896

Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.6

88 14.8 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): VN054134.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054134.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054134.D (-2026) (-)

8.59

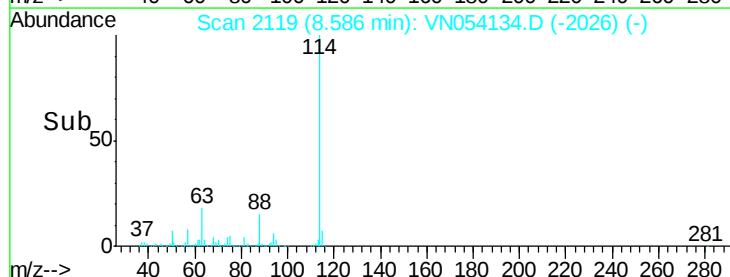
1500000

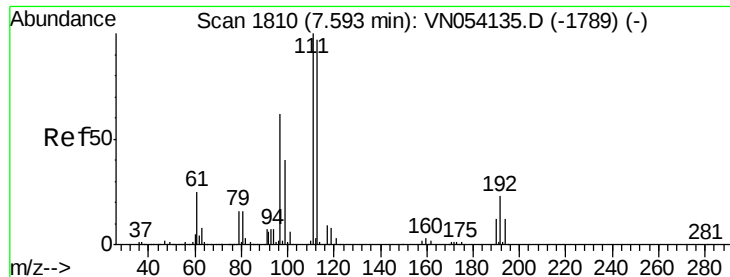
1000000

500000

0

Time-->

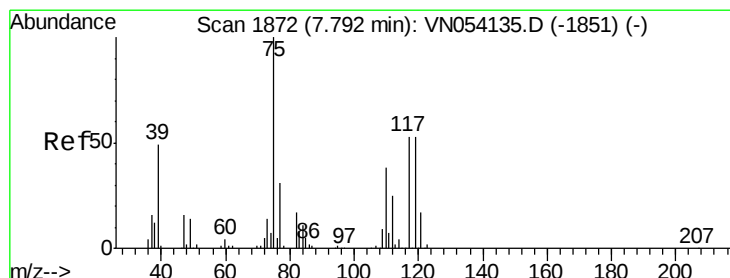
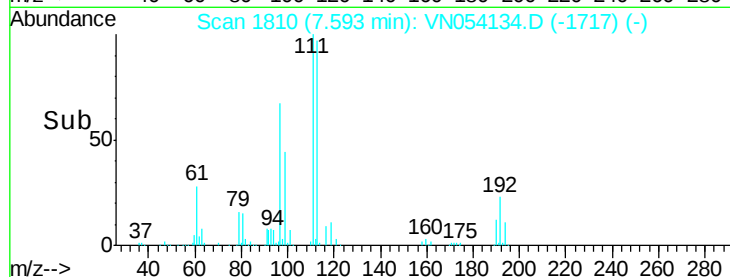
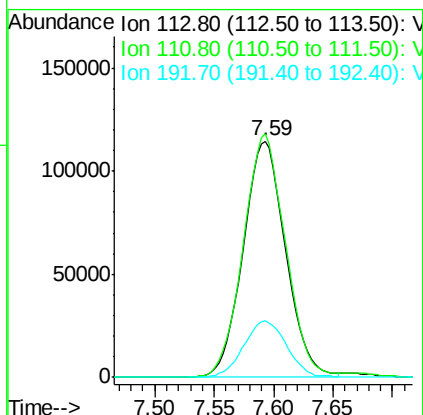
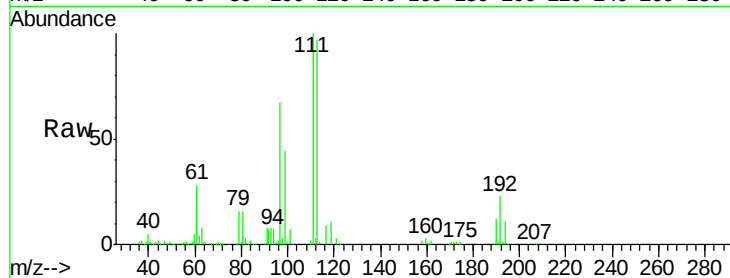




#35
Dibromofluoromethane
Concen: 17.227 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

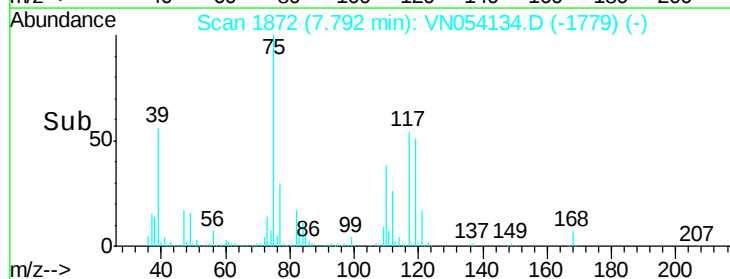
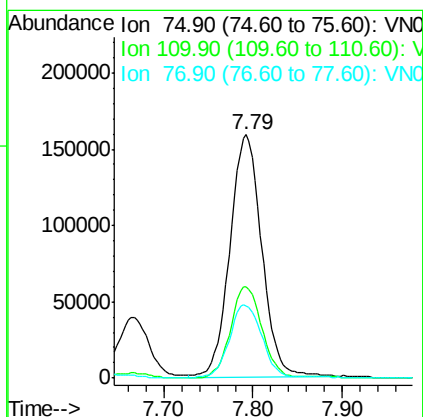
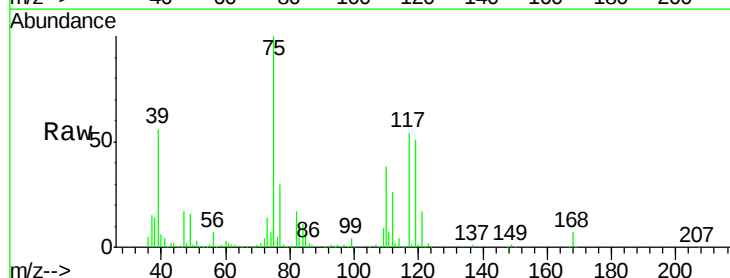
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

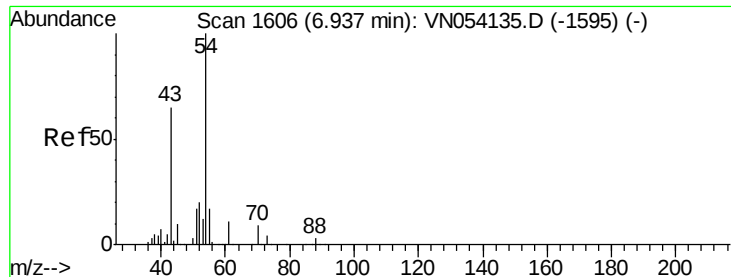
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.1	123.1
192	24.4	17.4	26.0



#36
1,1-Dichloropropene
Concen: 17.641 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	18.0	54.0
77	31.6	25.3	37.9

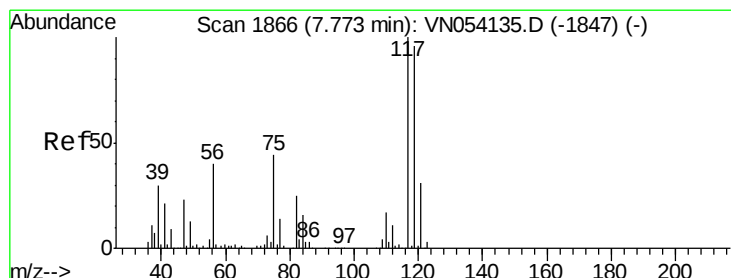
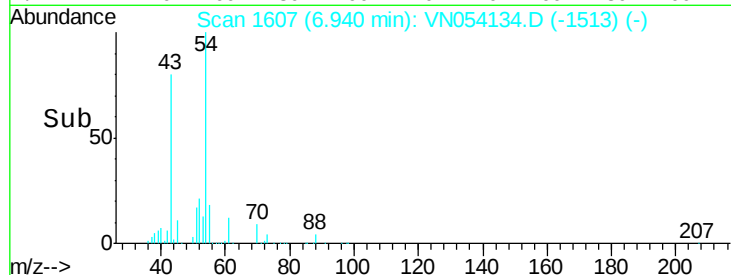
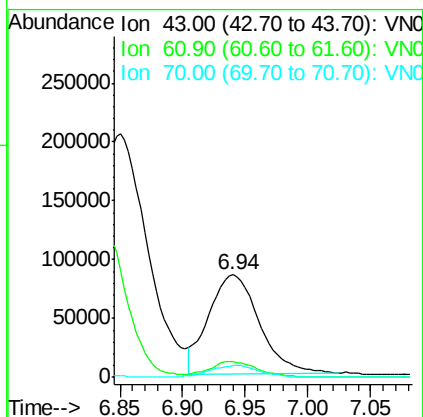
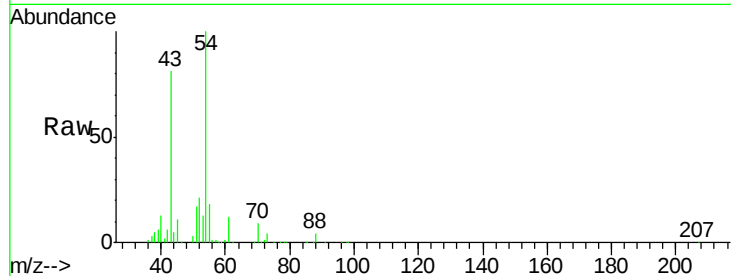




#37
Ethyl Acetate
Concen: 16.455 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

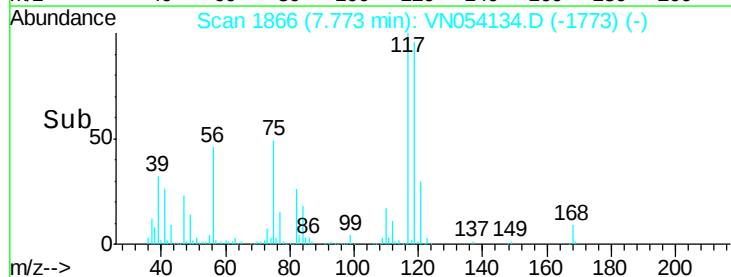
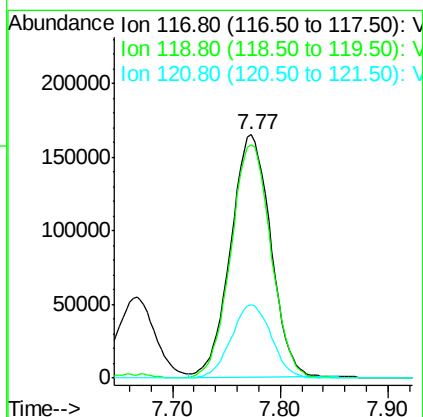
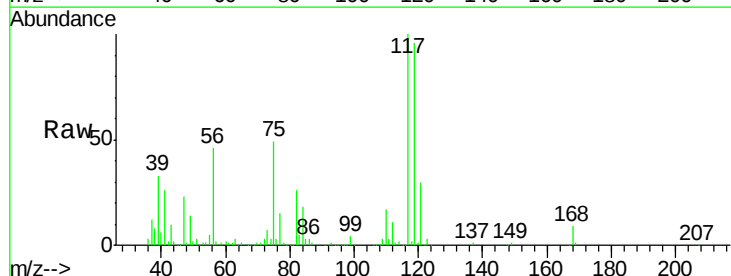
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

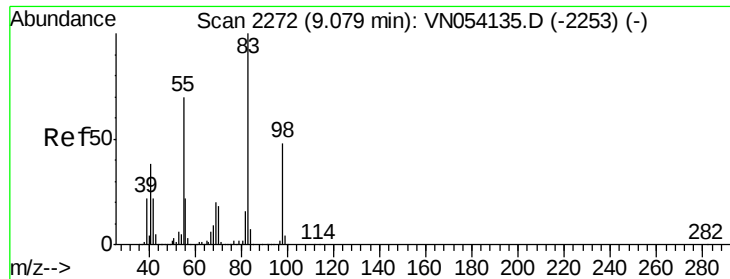
Tot Ion: 43 Resp: 236250
Ion Ratio Lower Upper
43 100
61 15.2 11.1 16.7
70 11.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 17.340 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Tgt Ion: 117 Resp: 425580
Ion Ratio Lower Upper
117 100
119 96.4 77.0 115.6
121 30.1 24.3 36.5

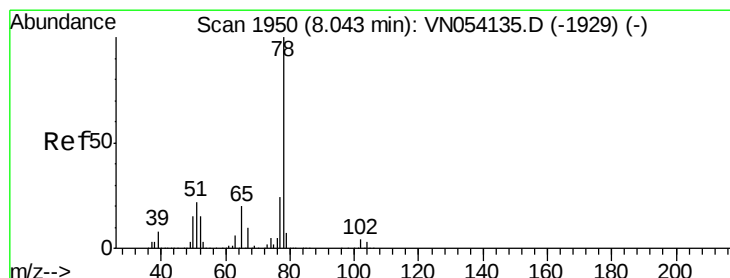
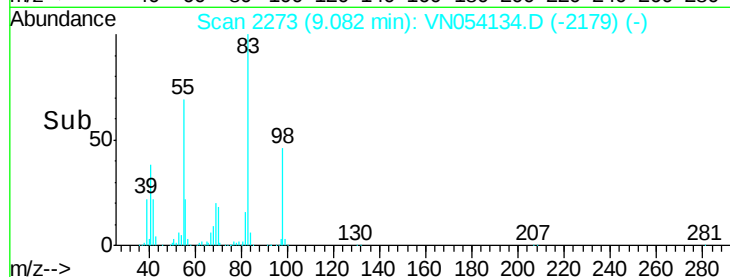
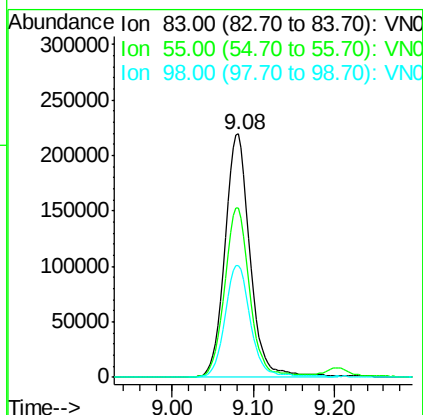
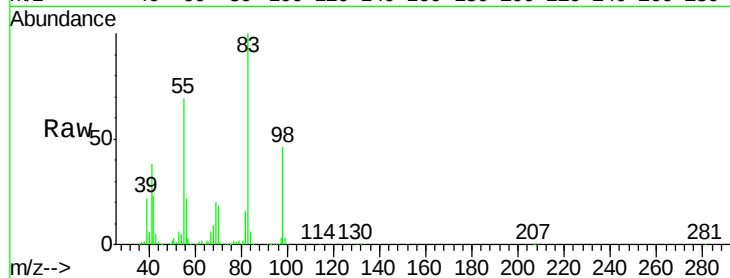




#39
Methvlcvclohexane
Concen: 17.613 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

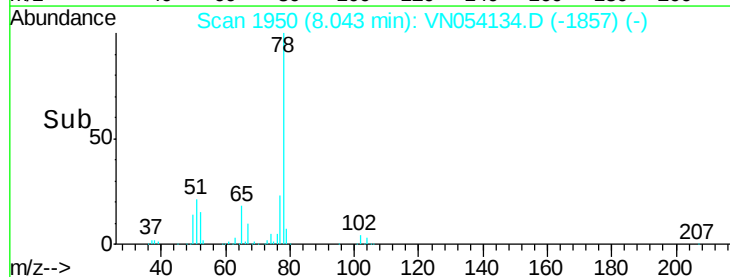
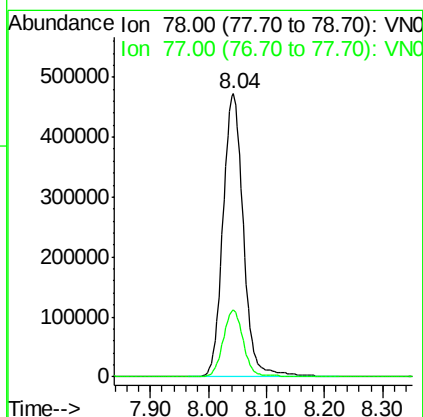
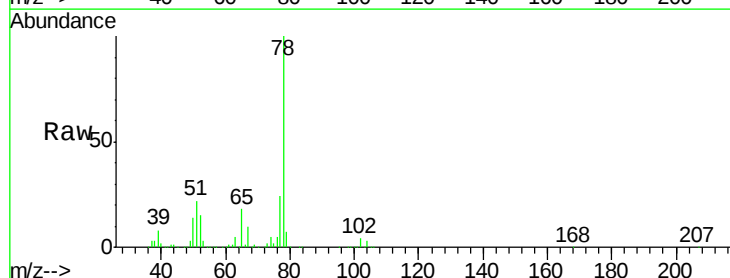
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

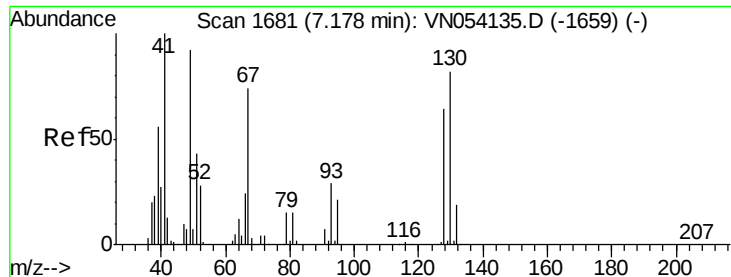
Tot Ion: 83 Resp: 480086
Ion Ratio Lower Upper
83 100
55 69.3 62.1 93.1
98 46.1 36.0 54.0



#40
Benzene
Concen: 18.096 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Tgt Ion: 78 Resp: 1151289
Ion Ratio Lower Upper
78 100
77 23.6 18.7 28.1

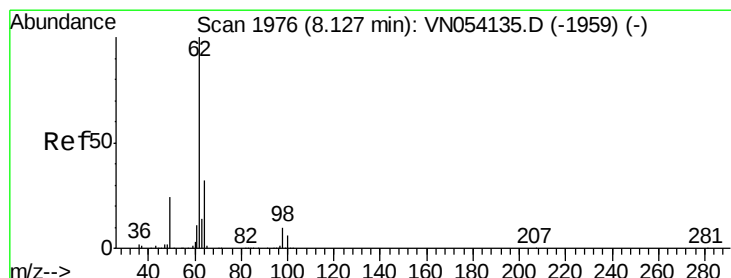
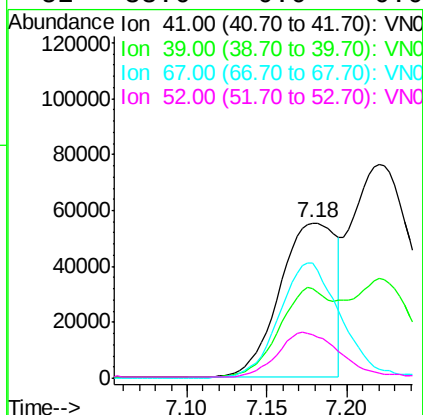
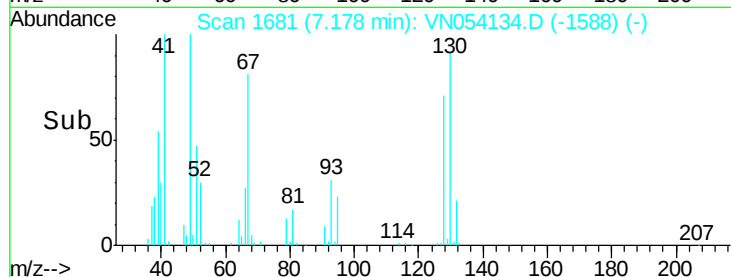
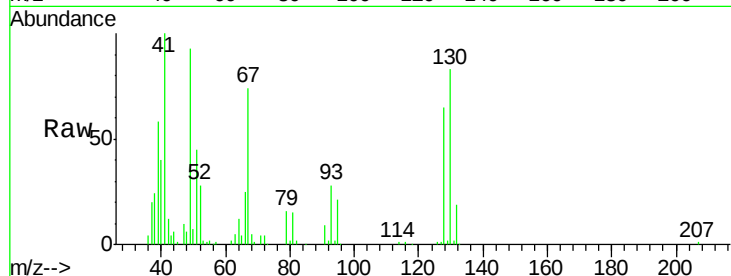




#41
Methacrylonitrile
Concen: 18.029 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

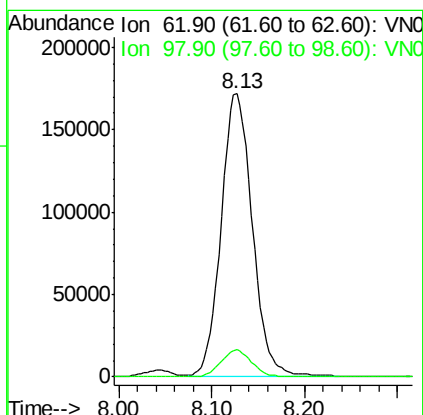
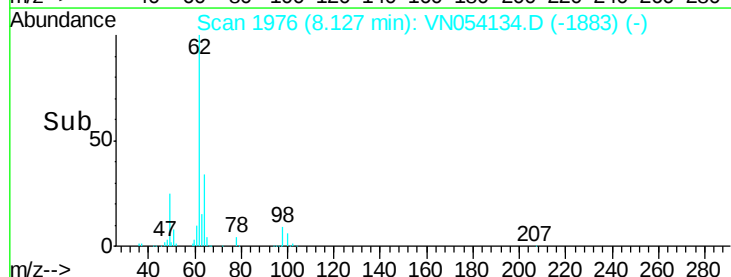
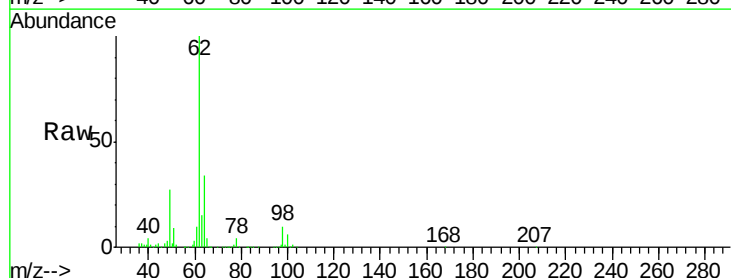
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

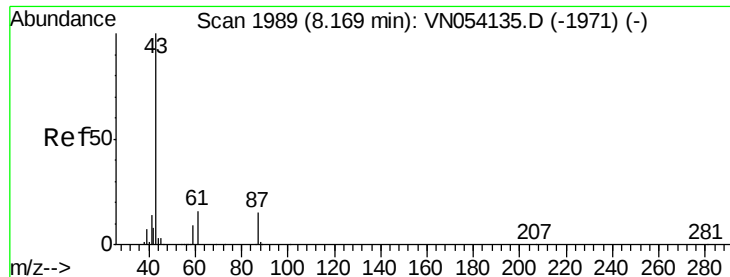
Tot Ion: 41 Resp: 134766
Ion Ratio Lower Upper
41 100
39 51.8 0.0 0.0#
67 83.3 0.0 0.0#
52 33.6 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 18.189 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Tgt Ion: 62 Resp: 398972
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.6





#43

Isopropyl Acetate

Concen: 17.951 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

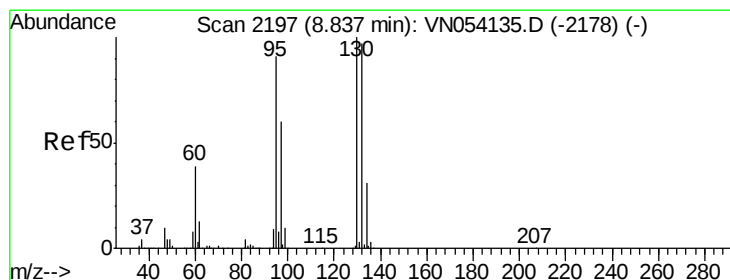
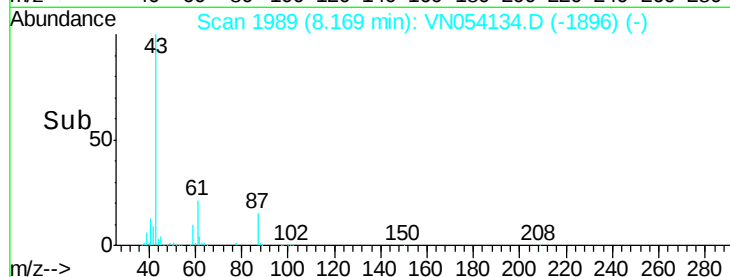
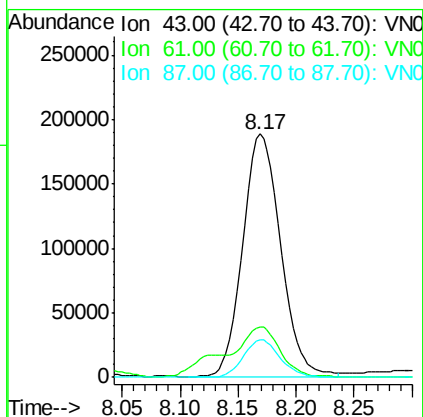
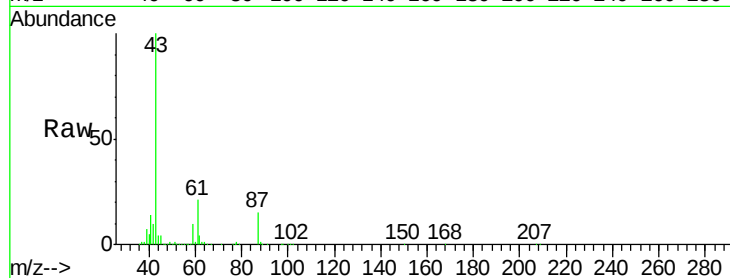
MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 428424

Ion	Ratio	Lower	Upper
43	100		
61	20.6	22.5	33.7#
87	15.0	10.1	15.1



#44

Trichloroethene

Concen: 18.183 ug/l

RT: 8.83 min Scan# 2196

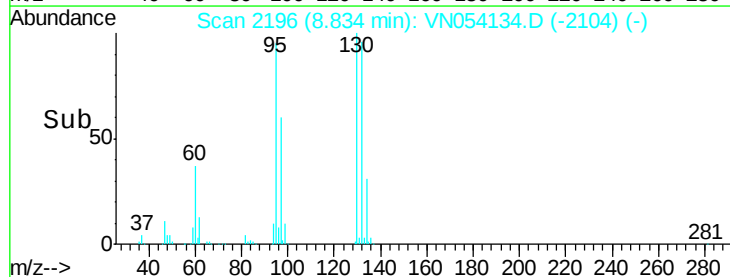
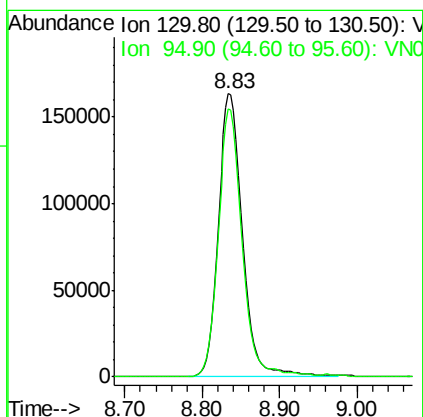
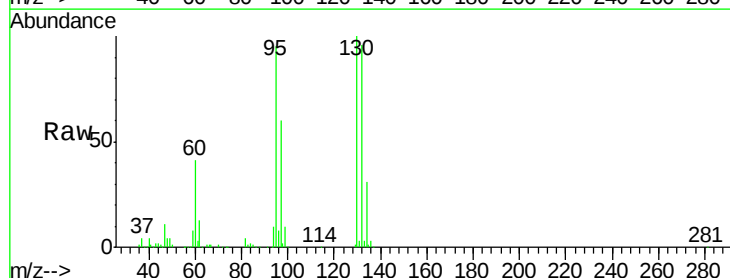
Delta R.T. -0.00 min

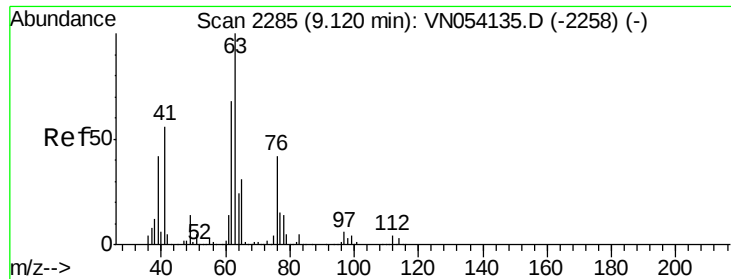
Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Tgt Ion: 130 Resp: 357010

Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	189.4





#45

1,2-Dichloropropane

Concen: 17.997 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

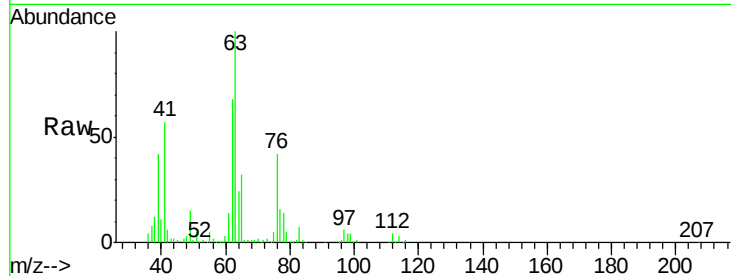
VSTDIC020

Tot Ion: 63 Resp: 292586

Ion Ratio Lower Upper

63 100

65 31.5 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

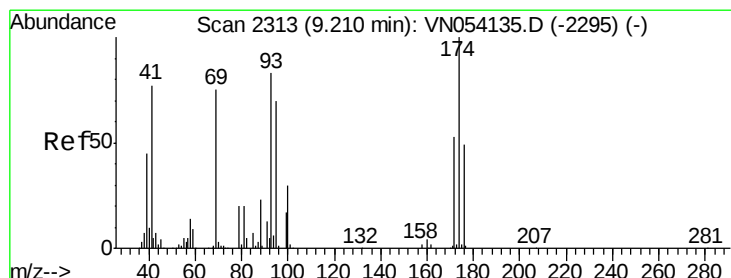
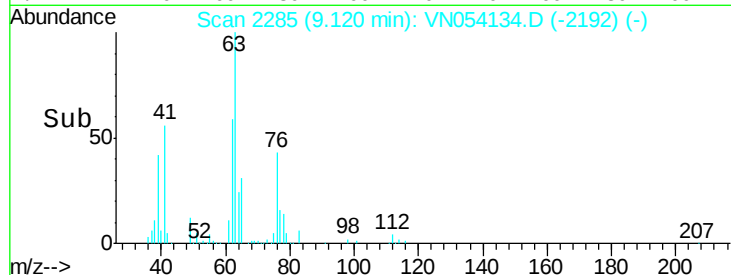
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 18.013 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

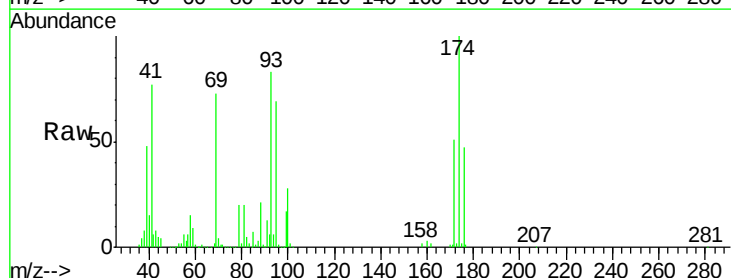
Tgt Ion: 93 Resp: 198672

Ion Ratio Lower Upper

93 100

95 85.1 66.1 99.1

174 119.8 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

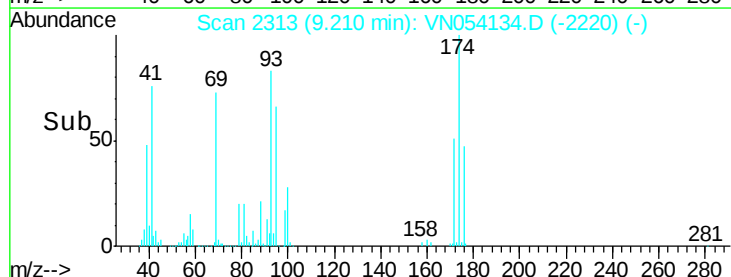
150000

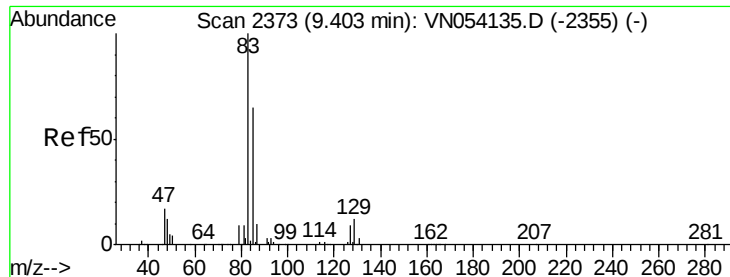
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 17.765 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

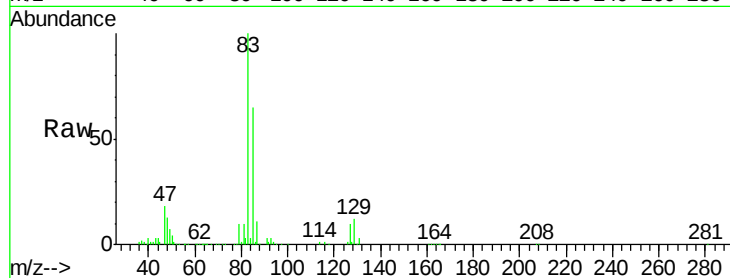
Tot Ion: 83 Resp: 406141

Ion Ratio Lower Upper

83 100

85 65.5 51.0 76.4

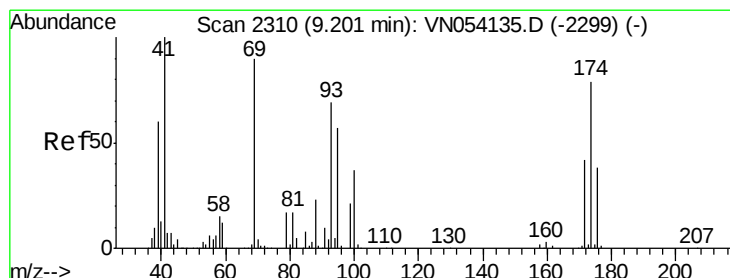
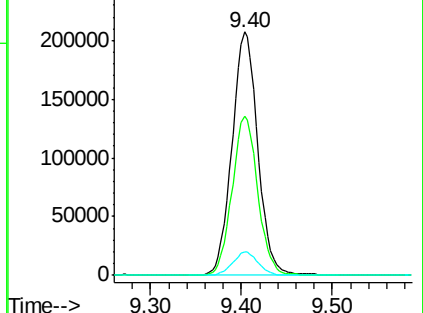
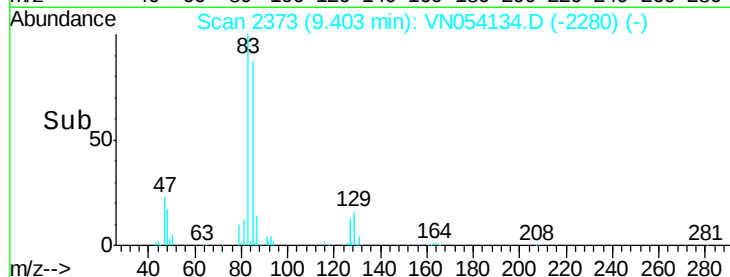
127 9.6 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN054134.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054134.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054134.D (-2280) (-)



#48

Methyl methacrylate

Concen: 16.891 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

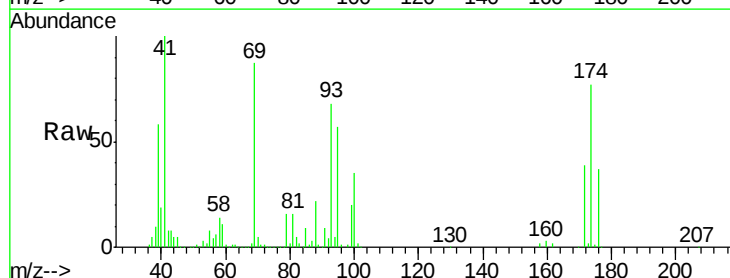
Tgt Ion: 41 Resp: 216724

Ion Ratio Lower Upper

41 100

69 89.3 71.0 106.4

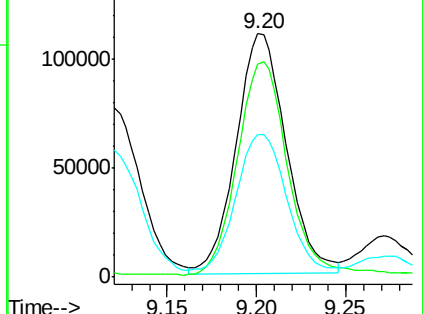
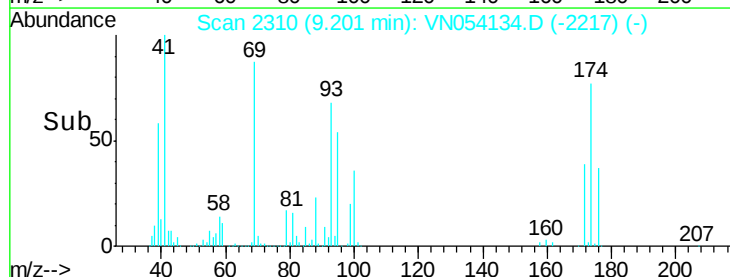
39 60.9 43.7 65.5

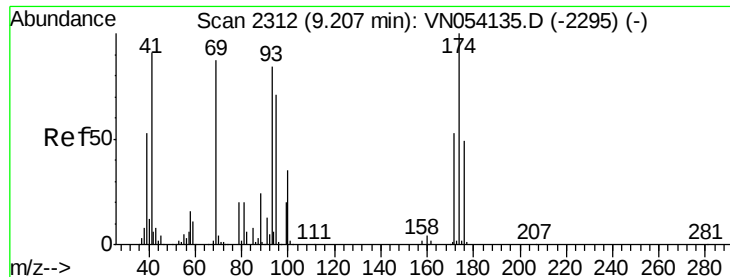


Abundance Ion 41.00 (40.70 to 41.70): VN054134.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054134.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054134.D (-2217) (-)

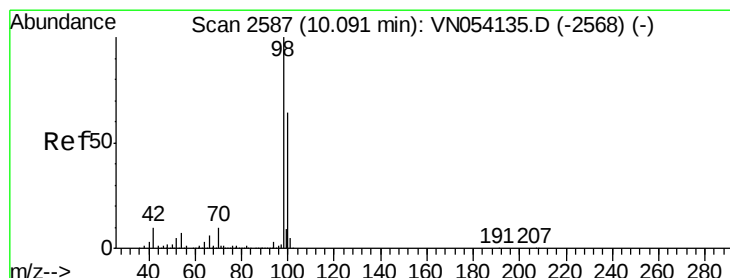
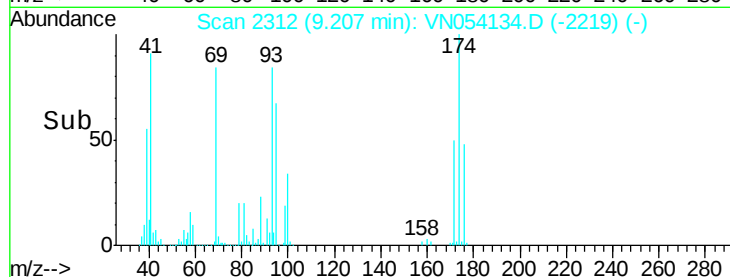
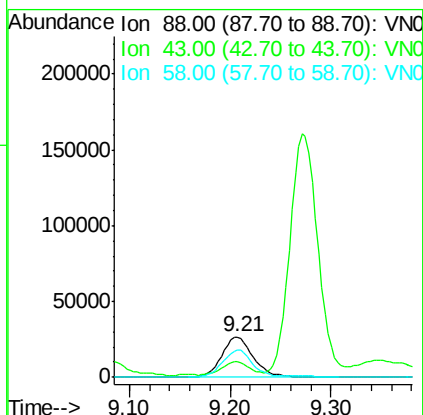
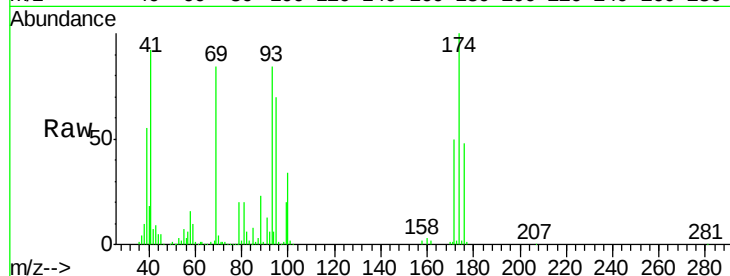




#49
1,4-Dioxane
Concen: 352.360 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

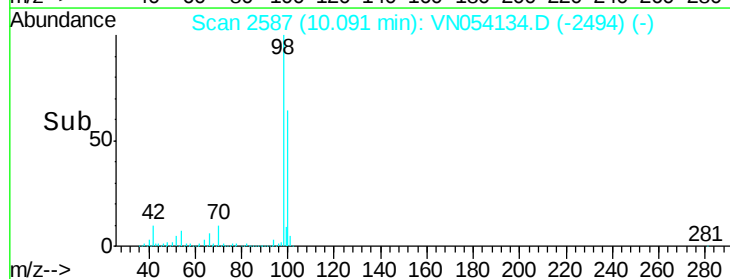
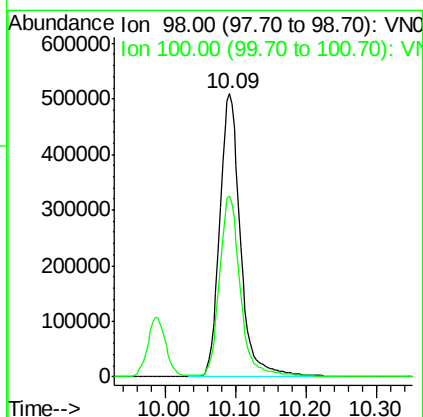
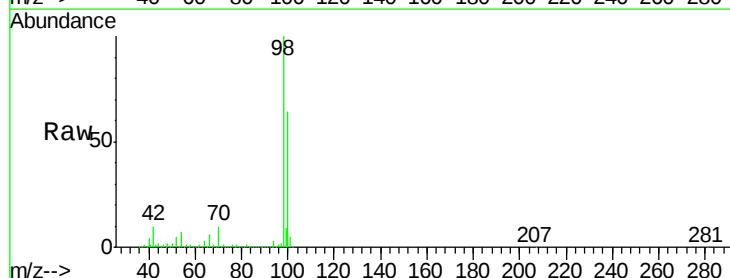
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

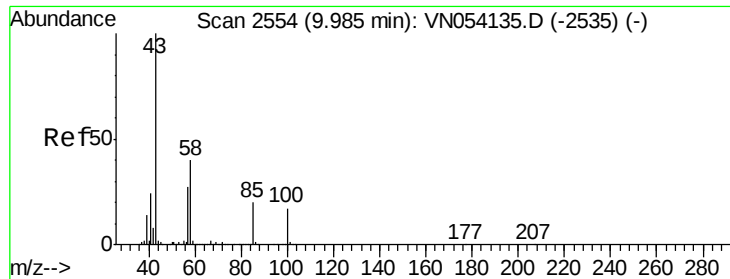
Tot Ion: 88 Resp: 58656
Ion Ratio Lower Upper
88 100
43 28.1 25.5 38.3
58 63.7 58.3 87.5



#50
Toluene-d8
Concen: 17.304 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Tgt Ion: 98 Resp: 1046247
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 89.226 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

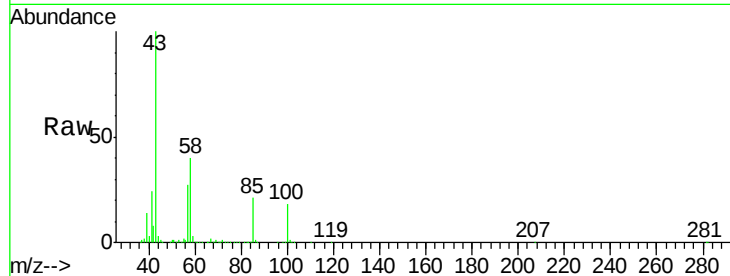
VSTDIC020

Tot Ion: 43 Resp: 1142190

Ion Ratio Lower Upper

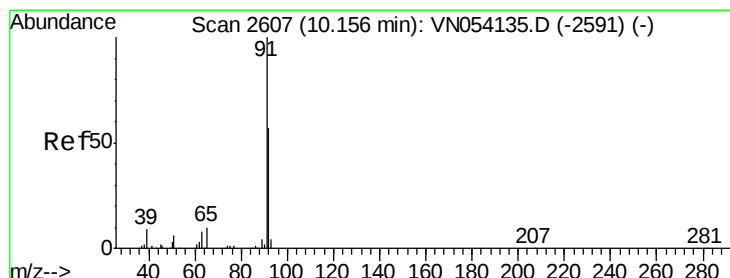
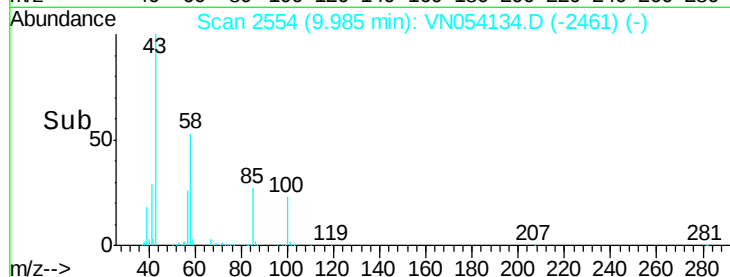
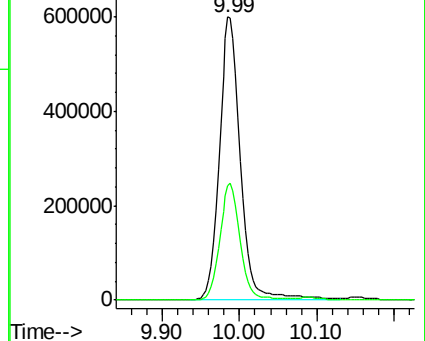
43 100

58 40.1 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.156 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054134.D

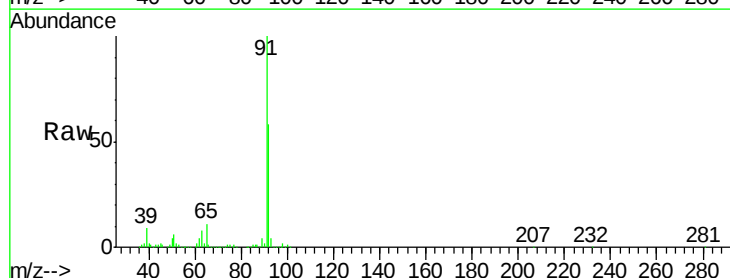
Acq: 11 Mar 2019 11:04

Tgt Ion: 92 Resp: 739587

Ion Ratio Lower Upper

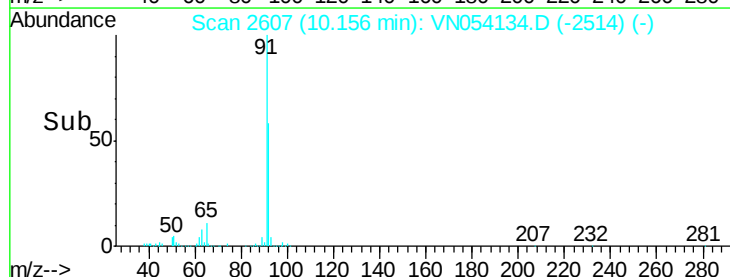
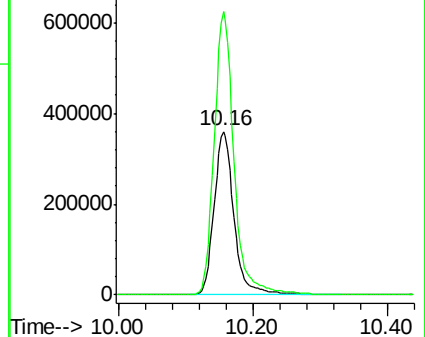
92 100

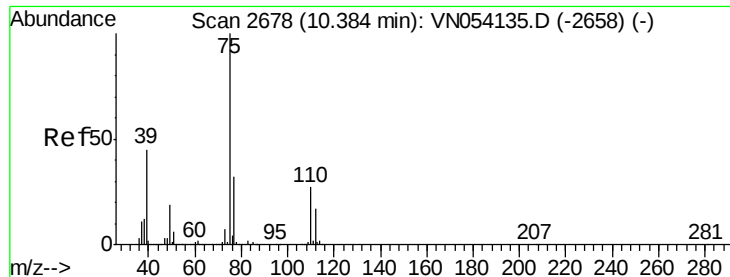
91 172.9 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 17.547 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampled :

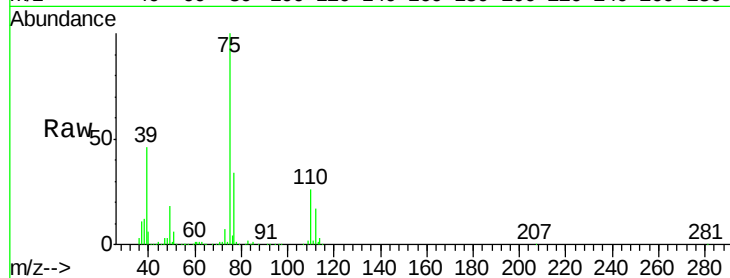
VSTDIC020

Tot Ion: 75 Resp: 408482

Ion Ratio Lower Upper

75 100

77 33.0 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

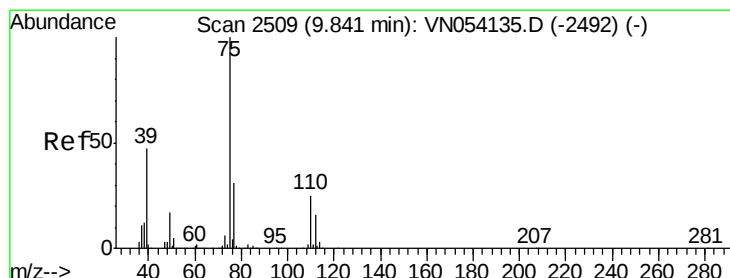
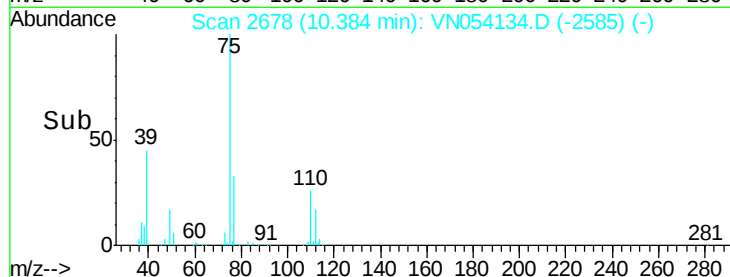
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.046 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

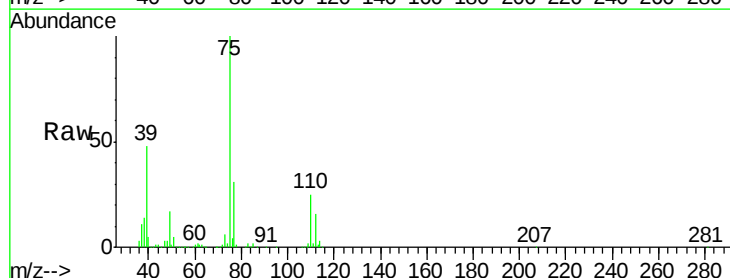
Tgt Ion: 75 Resp: 471781

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 47.4 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

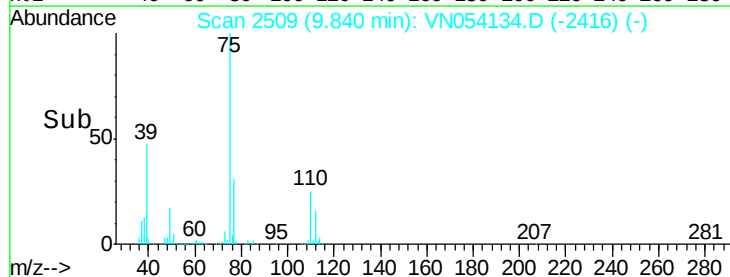
300000

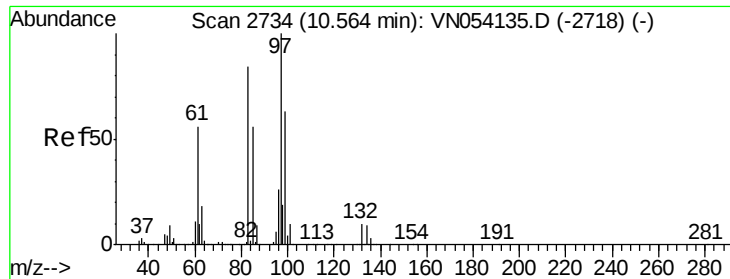
200000

100000

0

Time-->

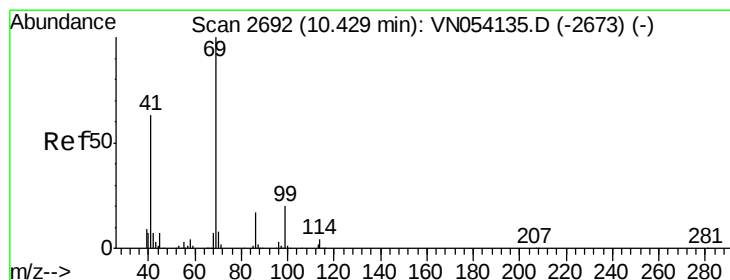
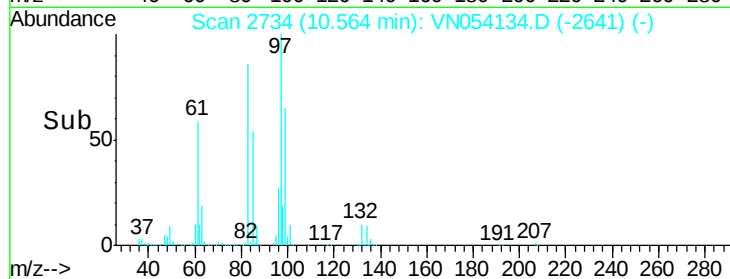
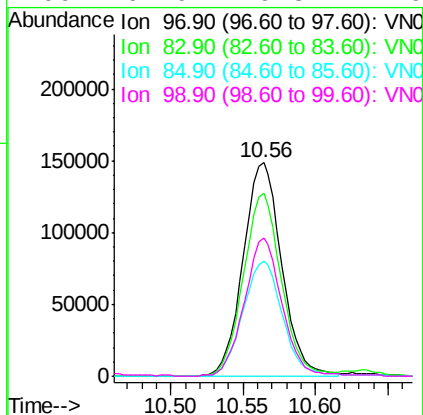
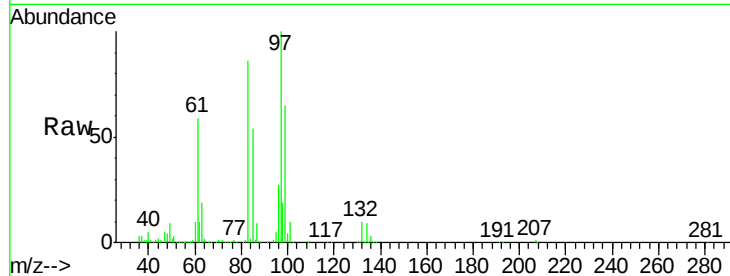




#55
 1,1,2-Trichloroethane
 Concen: 17.835 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN054134.D
 Acq: 11 Mar 2019 11:04

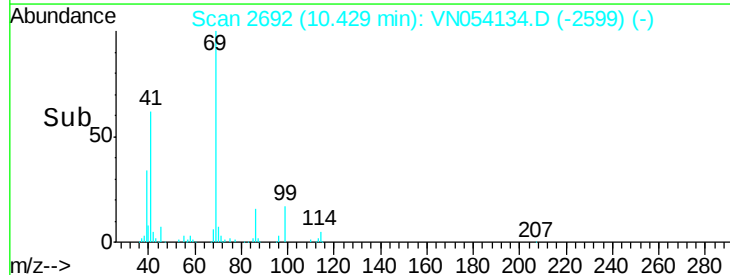
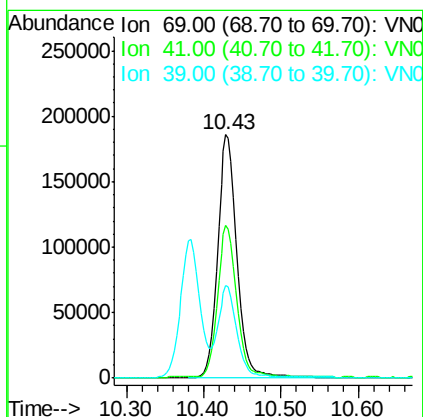
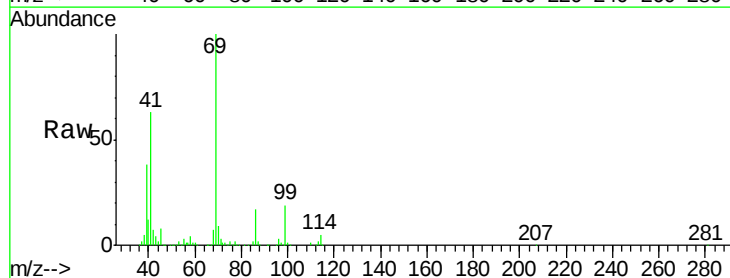
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

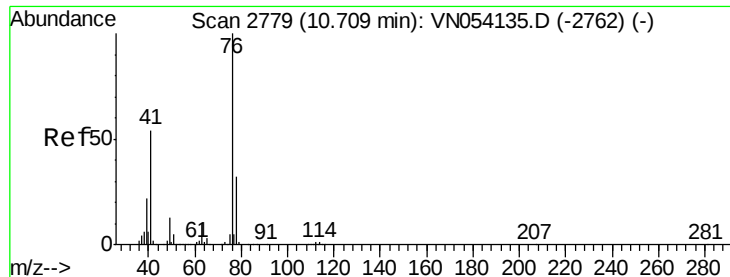
Tot Ion:	97	Resp:	273891
Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.8	104.6
85	53.8	45.0	67.4
99	64.9	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 17.356 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054134.D
 Acq: 11 Mar 2019 11:04

Tgt Ion:	69	Resp:	326232
Ion	Ratio	Lower	Upper
69	100		
41	61.6	53.4	80.2
39	35.6	25.6	38.4





#57

1,3-Dichloropropane

Concen: 18.064 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampled :

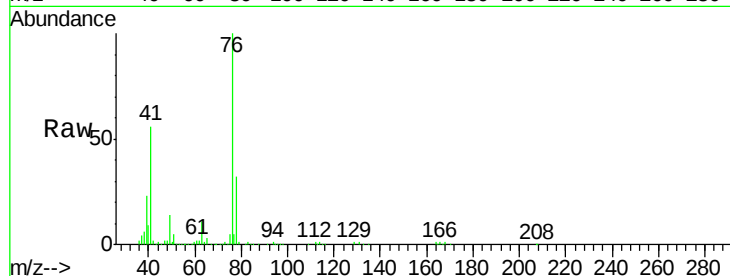
VSTDIC020

Tot Ion: 76 Resp: 449040

Ion Ratio Lower Upper

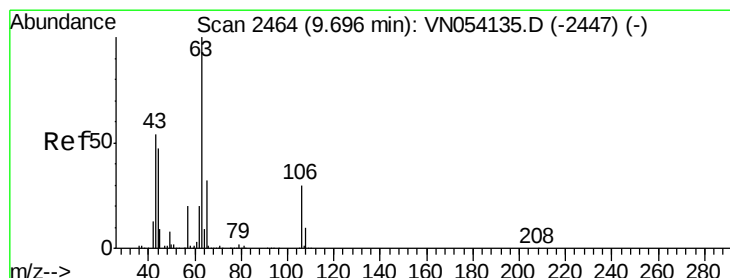
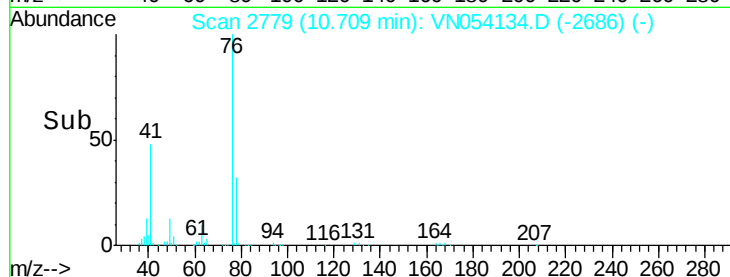
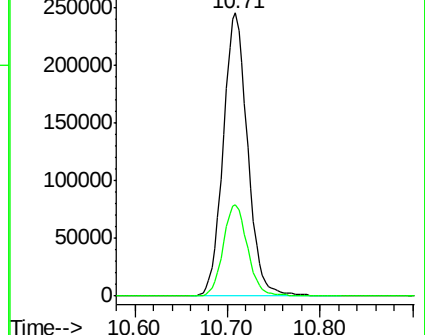
76 100

78 32.4 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 89.893 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054134.D

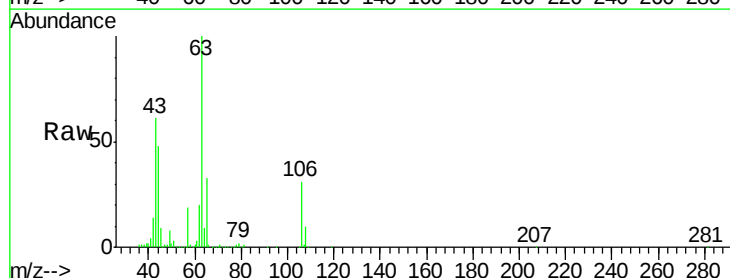
Acq: 11 Mar 2019 11:04

Tgt Ion: 63 Resp: 623865

Ion Ratio Lower Upper

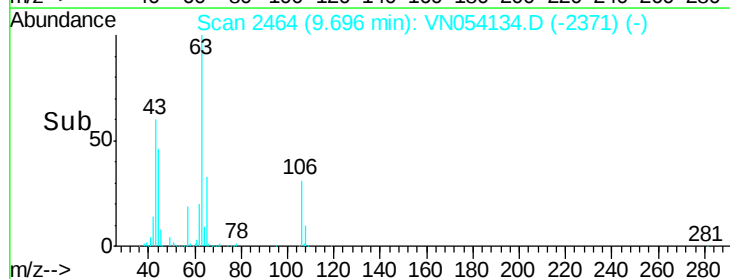
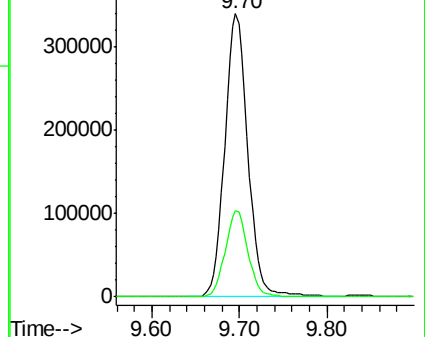
63 100

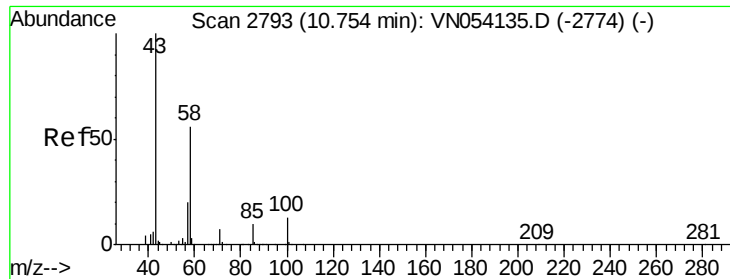
106 29.7 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

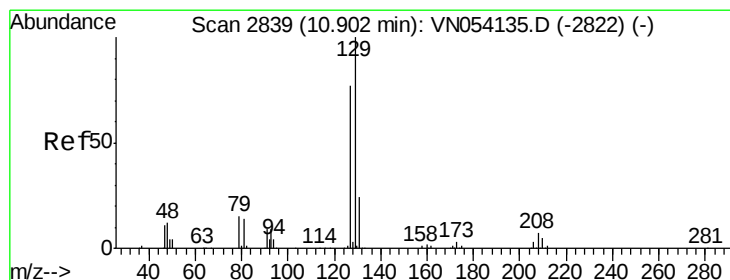
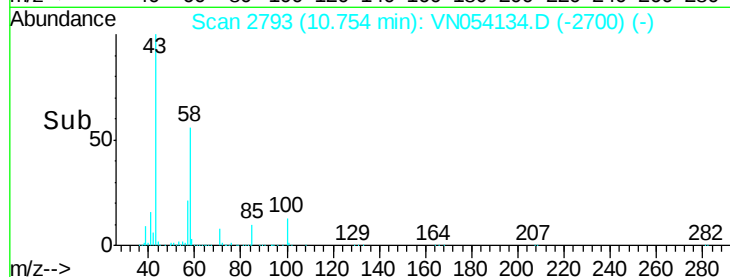
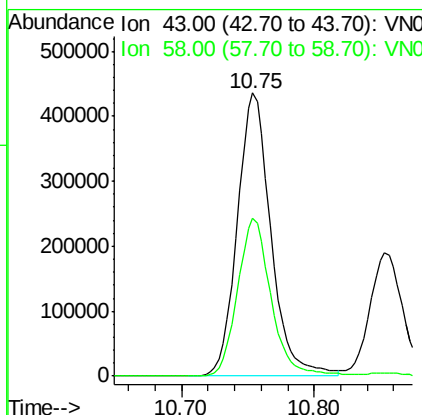
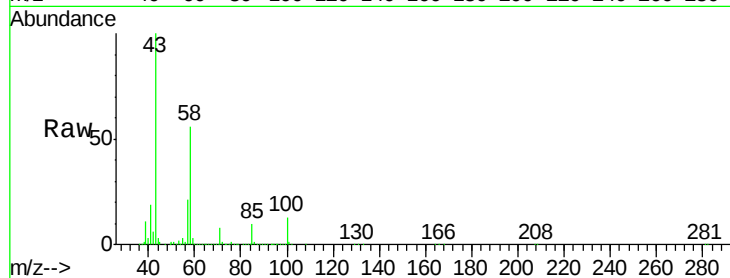




#59
2-Hexanone
Concen: 89.909 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

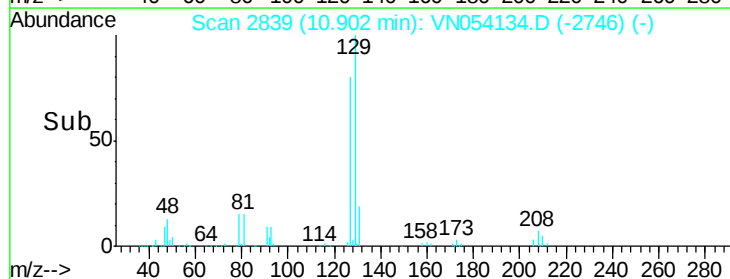
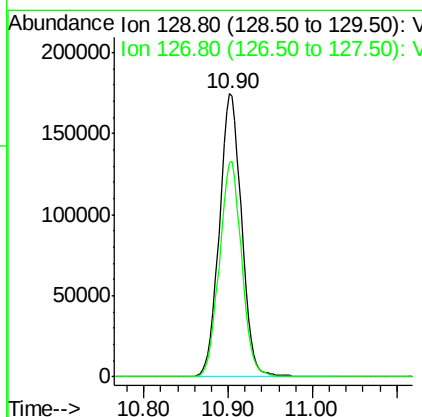
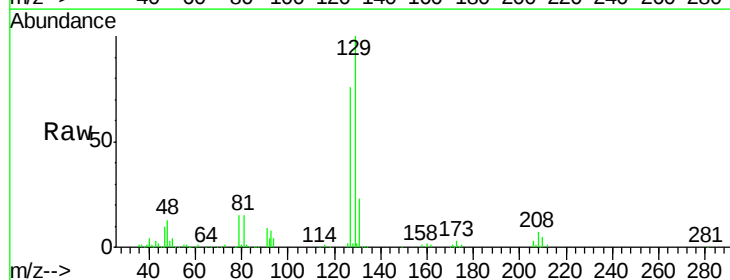
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

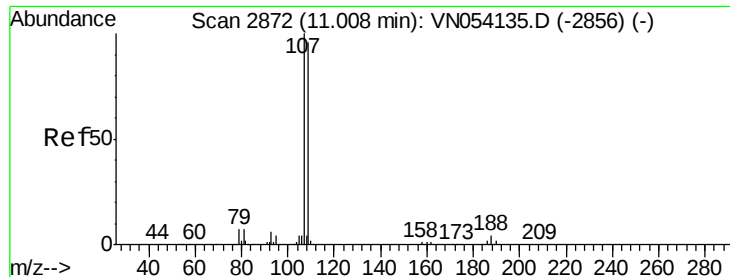
Tot Ion: 43 Resp: 763815
Ion Ratio Lower Upper
43 100
58 56.3 27.0 81.0



#60
Dibromochloromethane
Concen: 17.969 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Tgt Ion: 129 Resp: 319653
Ion Ratio Lower Upper
129 100
127 76.2 38.8 116.4

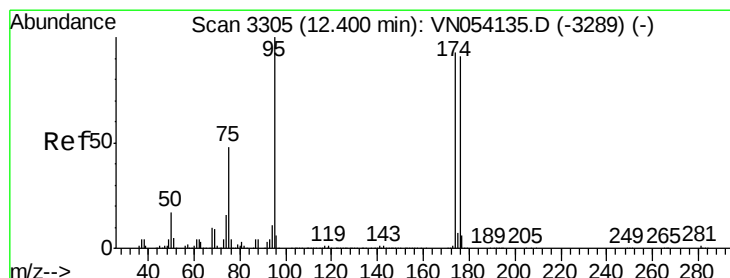
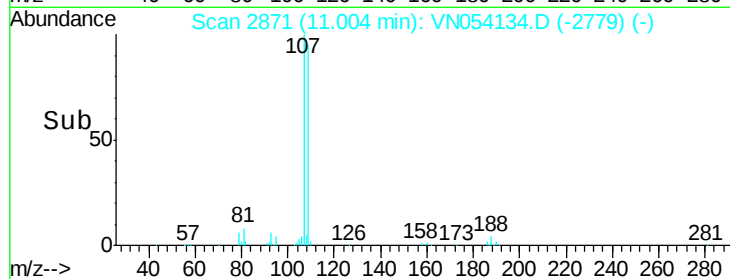
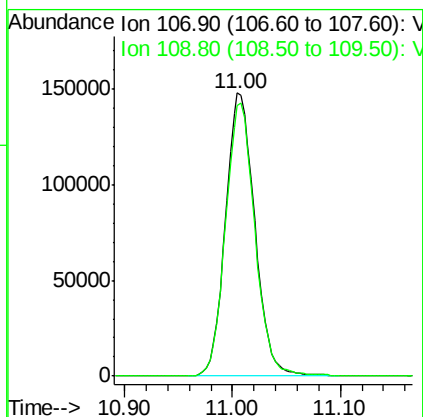
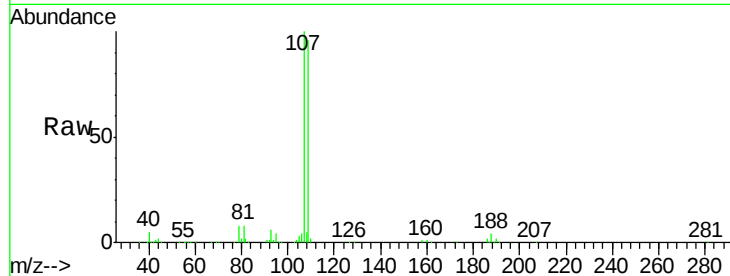




#61
 1,2-Dibromoethane
 Concen: 18.101 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054134.D
 Acq: 11 Mar 2019 11:04

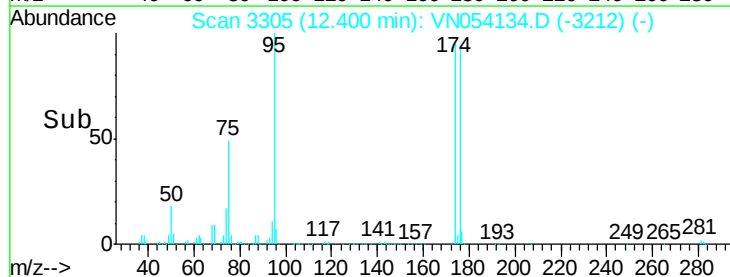
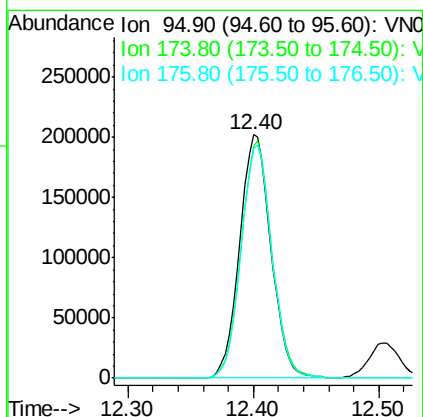
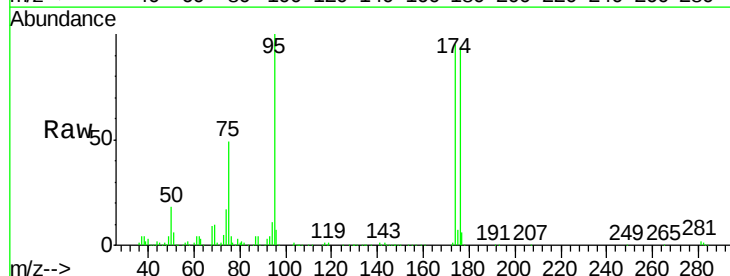
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

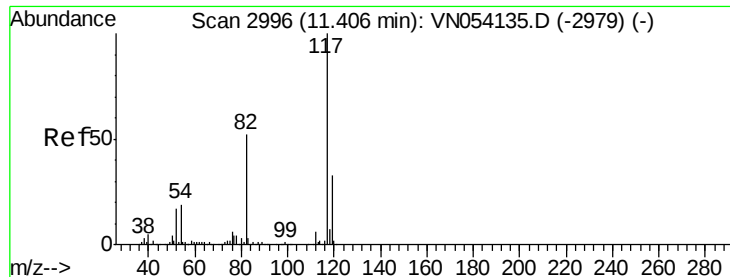
Tot Ion: 107 Resp: 279336
 Ion Ratio Lower Upper
 107 100
 109 96.5 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 16.595 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054134.D
 Acq: 11 Mar 2019 11:04

Tgt Ion: 95 Resp: 351286
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 173.2
 176 94.2 0.0 168.8

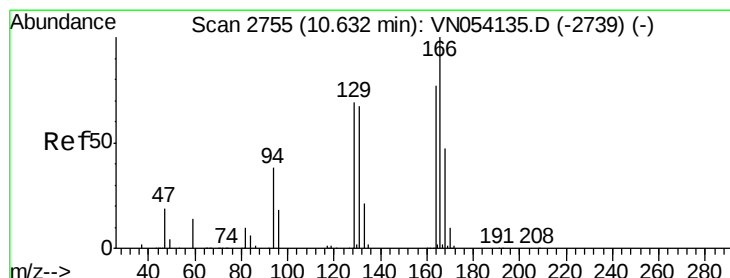
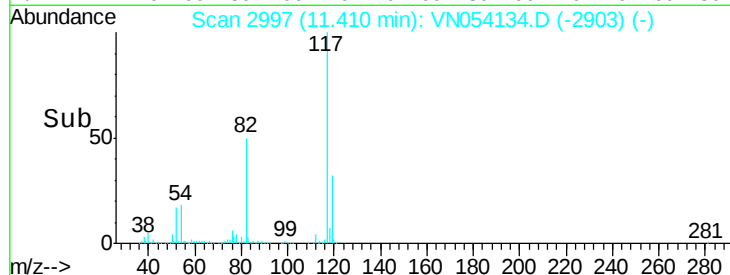
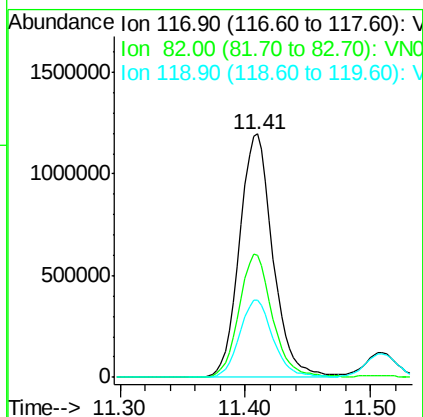
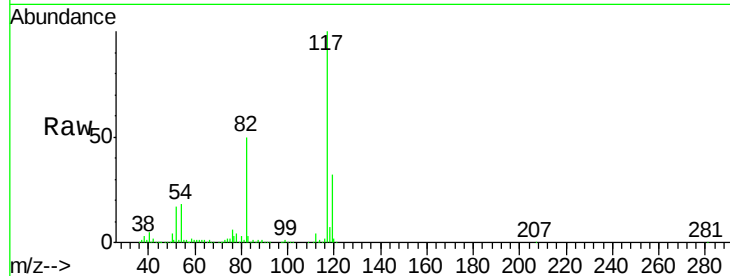




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

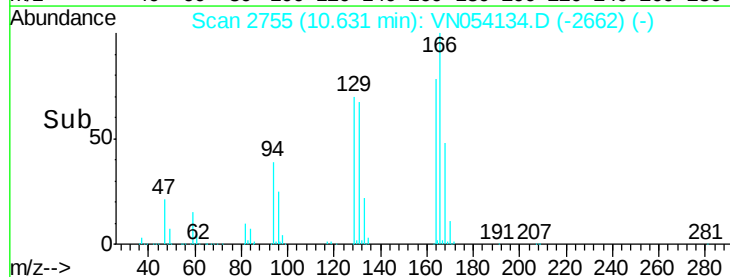
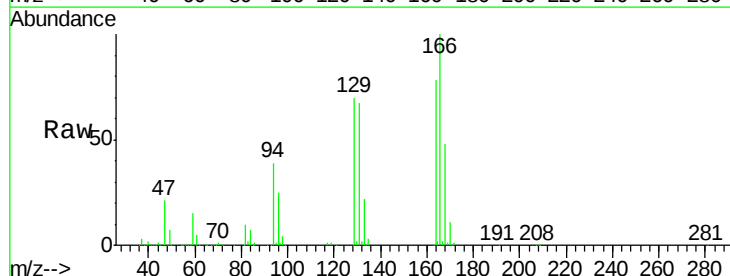
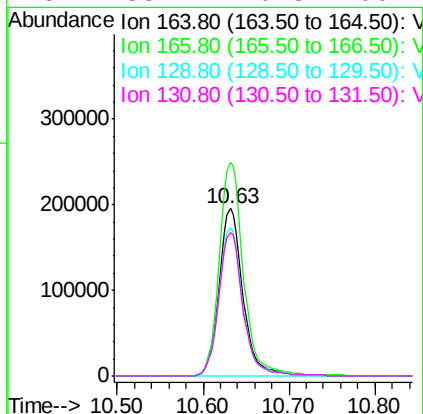
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

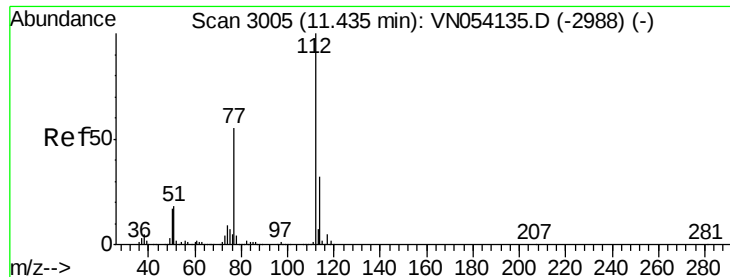
Tot Ion:117 Resp: 2218608
Ion Ratio Lower Upper
117 100
82 50.1 43.4 65.2
119 31.8 26.0 39.0



#64
Tetrachloroethene
Concen: 18.555 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Tgt Ion:164 Resp: 379040
Ion Ratio Lower Upper
164 100
166 127.7 101.3 151.9
129 88.8 73.2 109.8
131 85.4 70.8 106.2





#65

Chlorobenzene

Concen: 17.844 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampled :

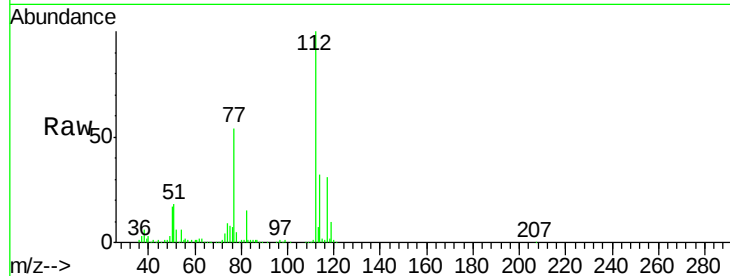
VSTDIC020

Tot Ion:112 Resp: 838799

Ion Ratio Lower Upper

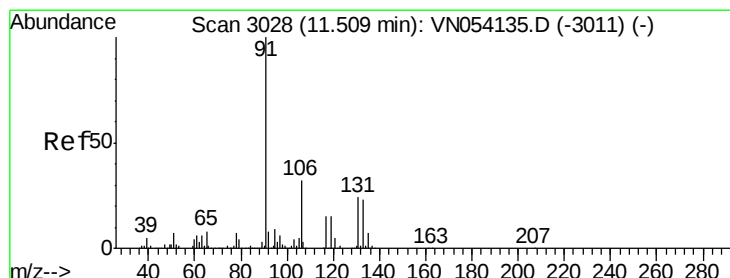
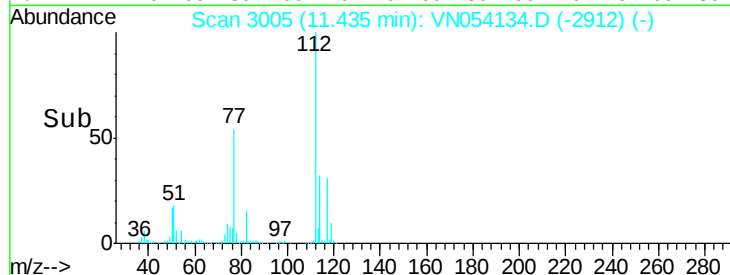
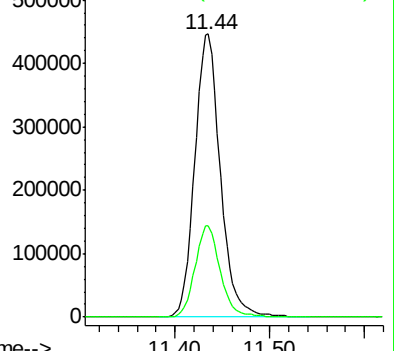
112 100

114 32.1 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: 18.116 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

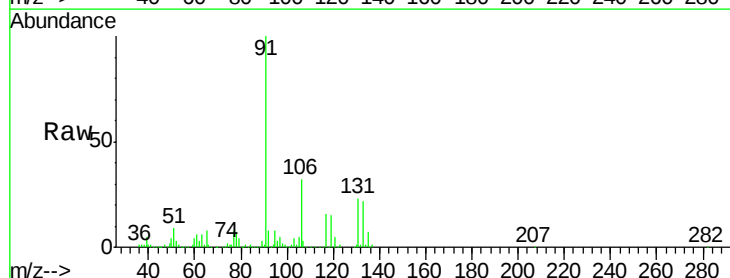
Tgt Ion:131 Resp: 320364

Ion Ratio Lower Upper

131 100

133 94.7 47.6 142.9

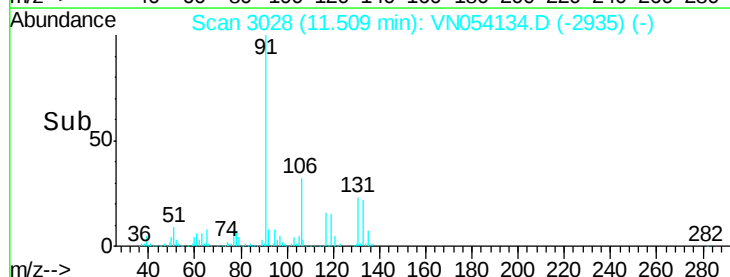
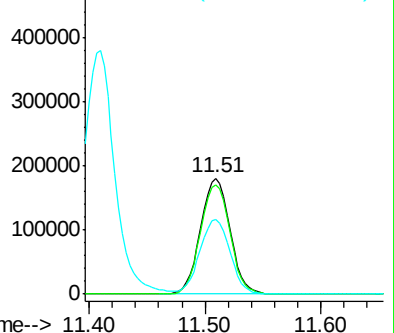
119 66.3 33.8 101.3

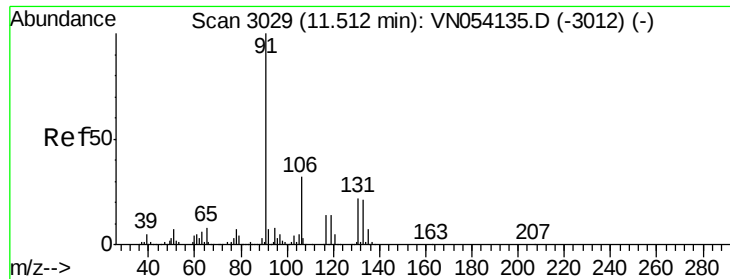


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

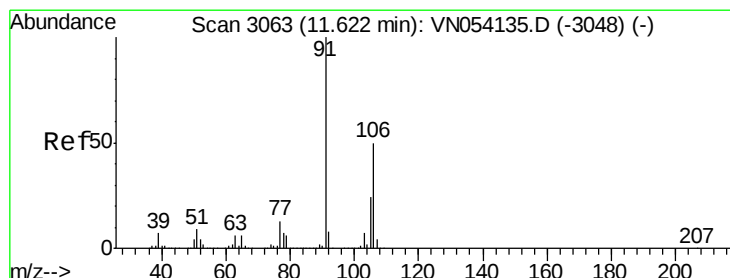
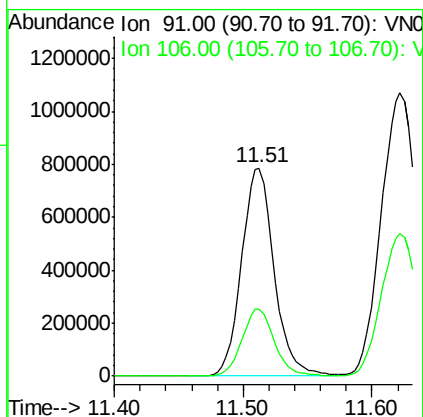
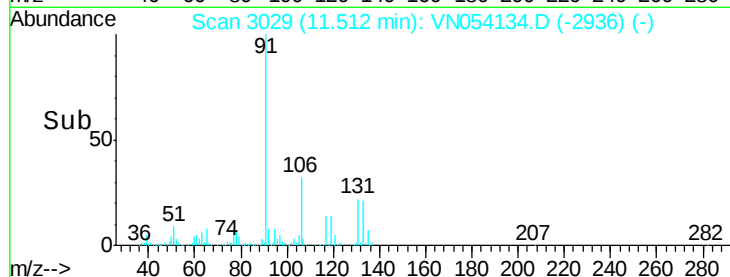
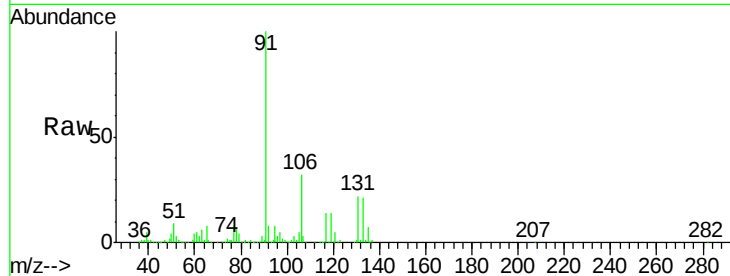




#67
Ethyl Benzene
Concen: 17.671 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

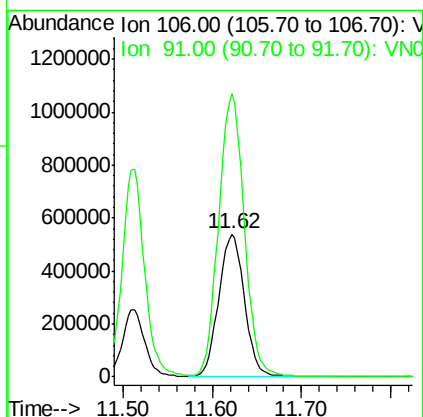
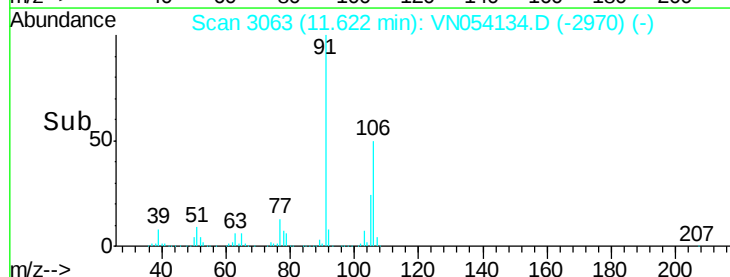
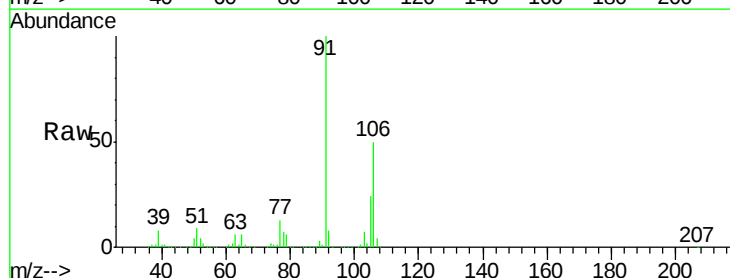
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

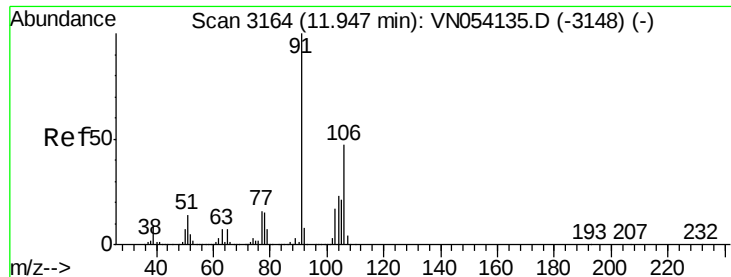
Tot Ion: 91 Resp: 1380850
Ion Ratio Lower Upper
91 100
106 32.5 24.6 36.8



#68
m/p-Xylenes
Concen: 35.245 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Tgt Ion: 106 Resp: 1077011
Ion Ratio Lower Upper
106 100
91 198.3 163.2 244.8





#69

o-Xylene

Concen: 17.730 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

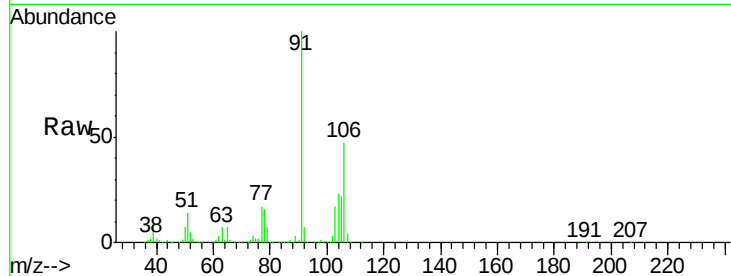
VSTDIC020

Tot Ion:106 Resp: 531808

Ion Ratio Lower Upper

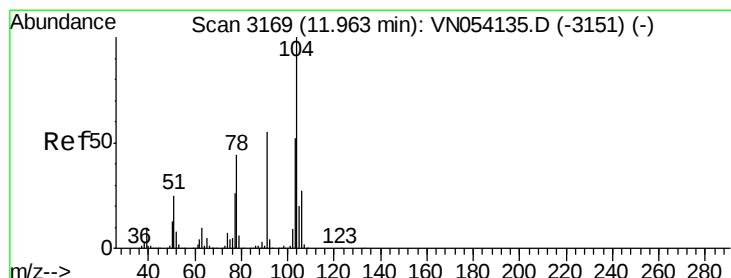
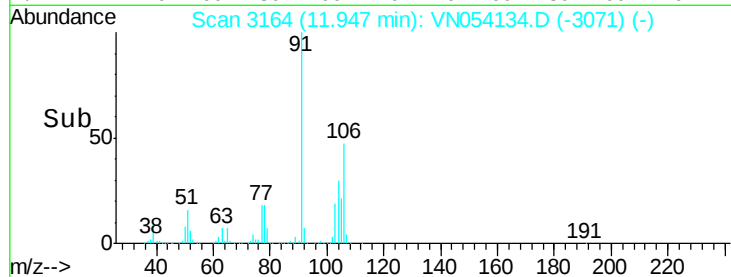
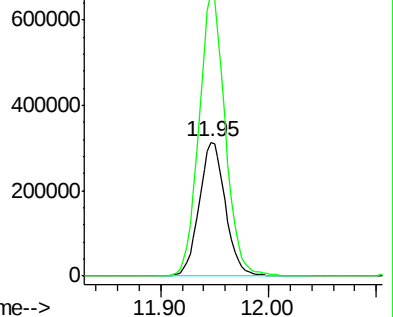
106 100

91 211.3 107.1 321.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 17.762 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

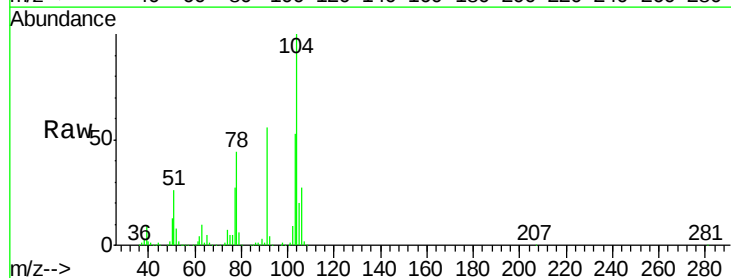
Tgt Ion:104 Resp: 825309

Ion Ratio Lower Upper

104 100

78 48.8 39.4 59.0

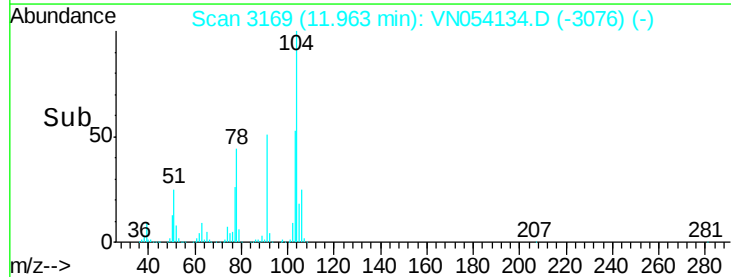
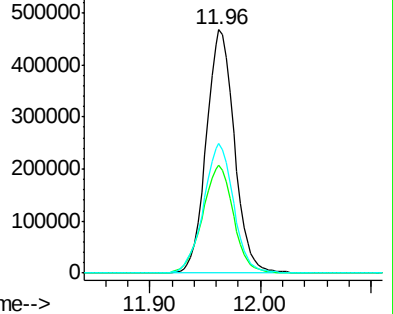
103 56.8 44.7 67.1

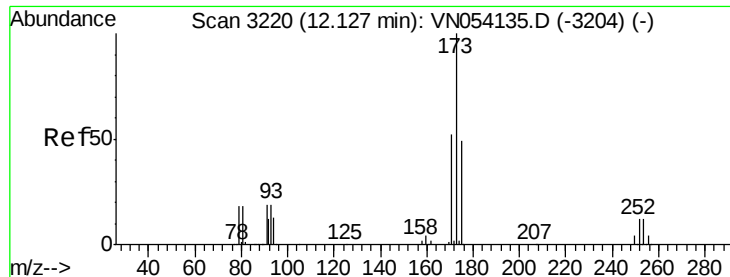


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.343 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

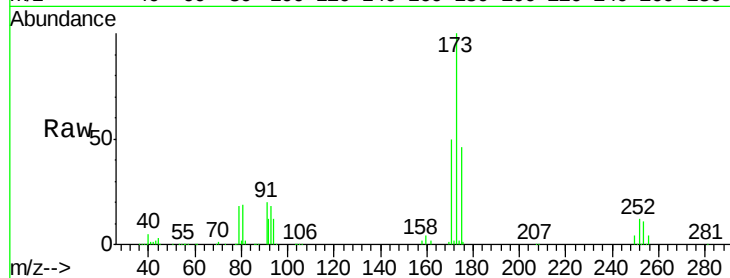
Tot Ion:173 Resp: 224806

Ion Ratio Lower Upper

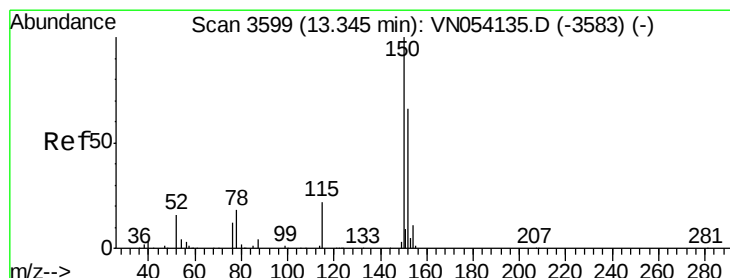
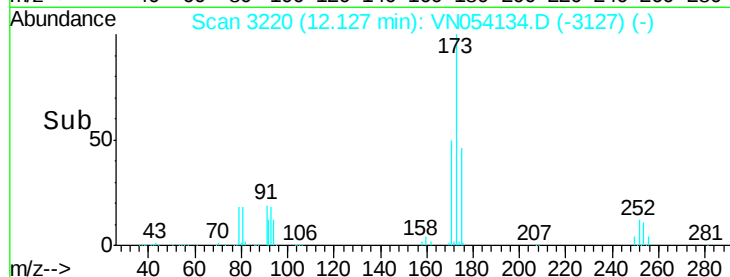
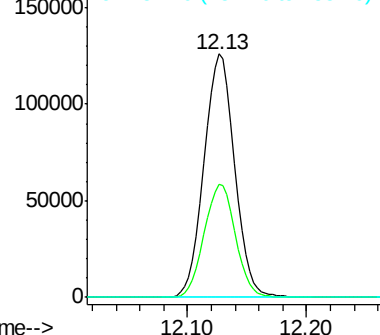
173 100

175 47.6 24.1 72.2

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

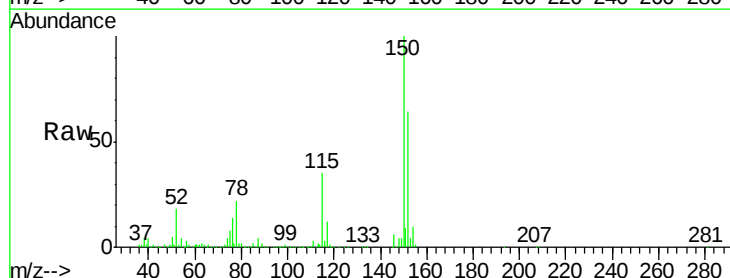
Tgt Ion:152 Resp: 999663

Ion Ratio Lower Upper

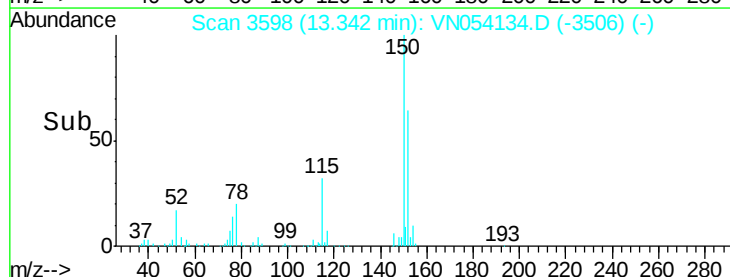
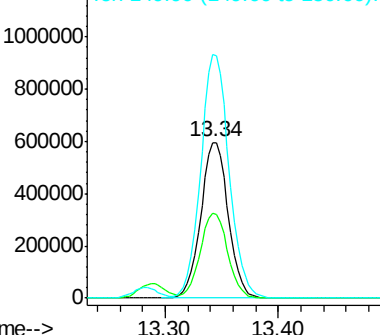
152 100

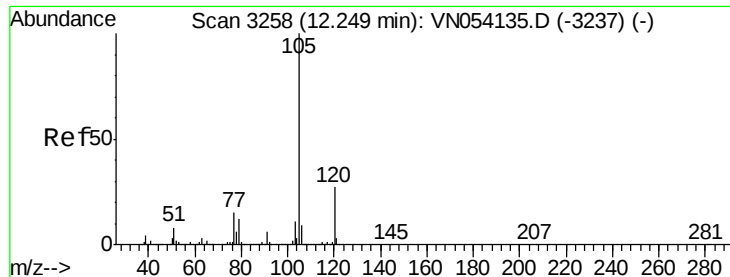
115 54.7 28.5 85.6

150 162.1 0.0 343.2



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





#73

Isopropylbenzene

Concen: 18.061 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

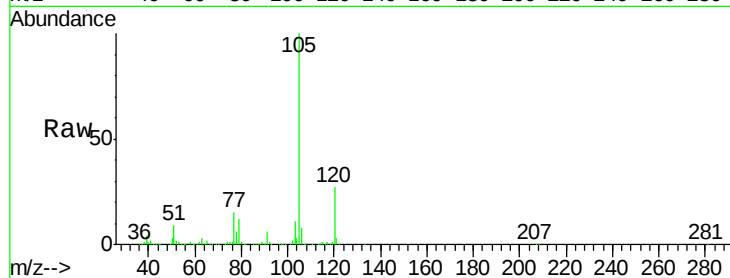
VSTDIC020

Tot Ion:105 Resp: 1436093

Ion Ratio Lower Upper

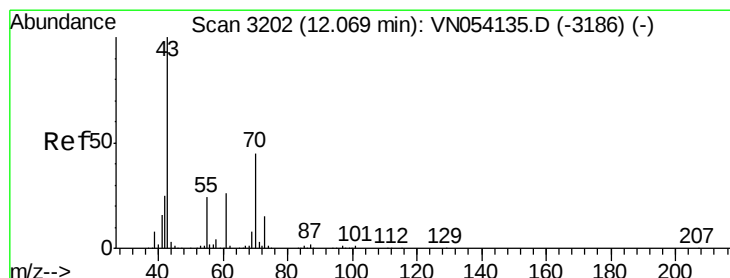
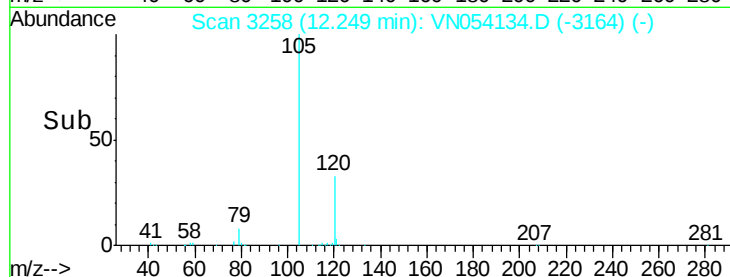
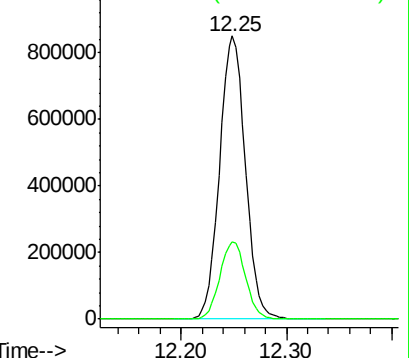
105 100

120 27.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.273 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Tgt Ion: 43 Resp: 312816

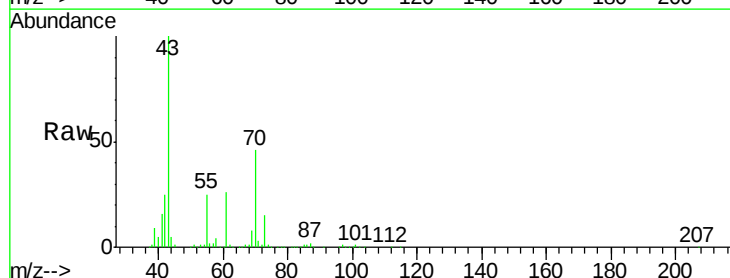
Ion Ratio Lower Upper

43 100

70 44.8 33.6 50.4

55 24.7 20.6 31.0

61 25.2 19.4 29.2

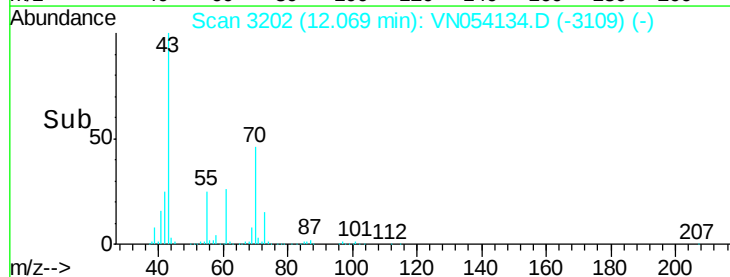
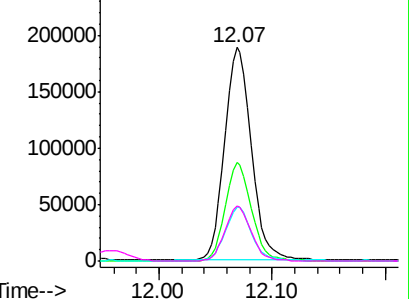


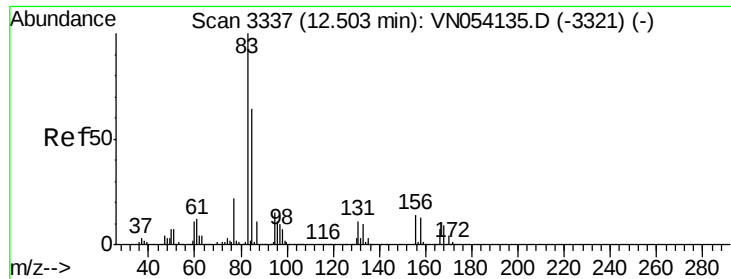
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 17.647 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

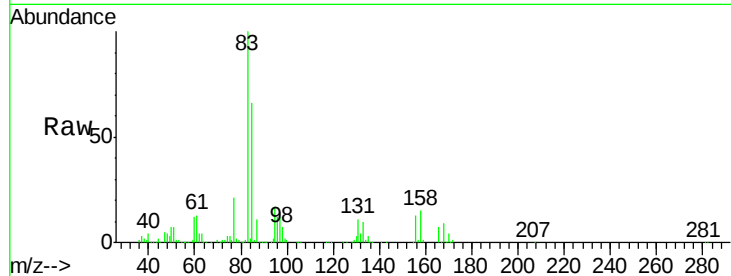
Tot Ion: 83 Resp: 303645

Ion Ratio Lower Upper

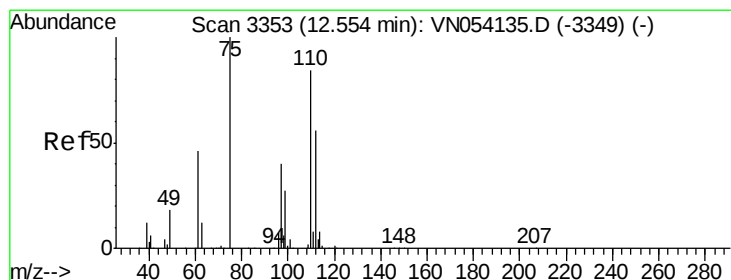
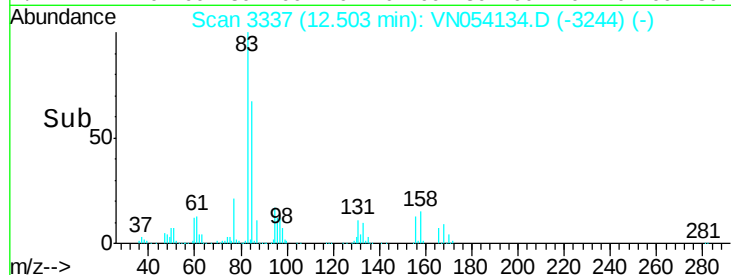
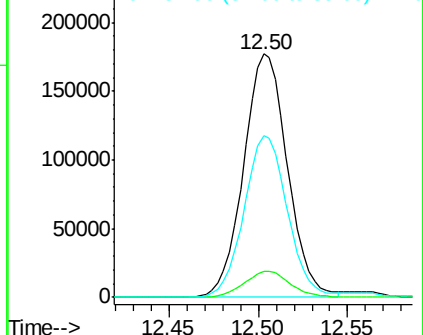
83 100

131 11.3 5.0 14.9

85 65.7 32.4 97.0



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



#76

1,2,3-Trichloropropane

Concen: 28.139 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054134.D

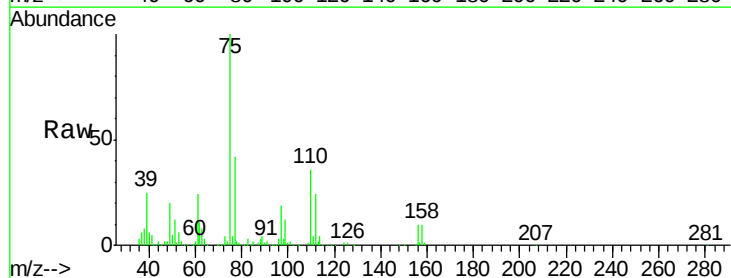
Acq: 11 Mar 2019 11:04

Tgt Ion: 75 Resp: 397234

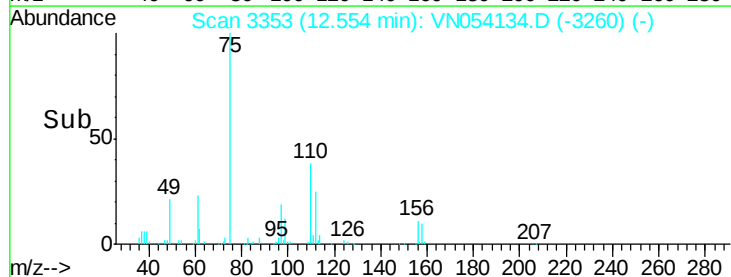
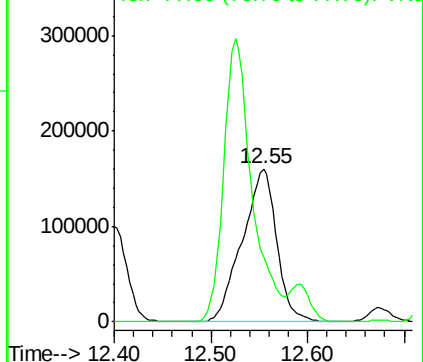
Ion Ratio Lower Upper

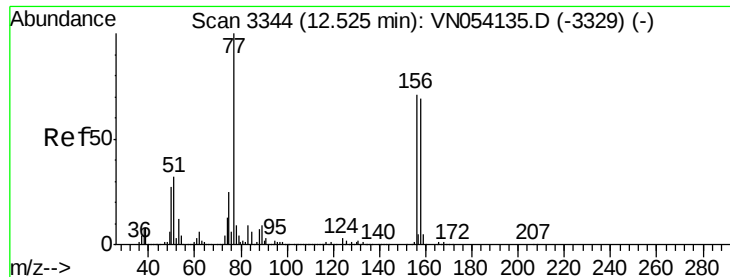
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 17.908 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

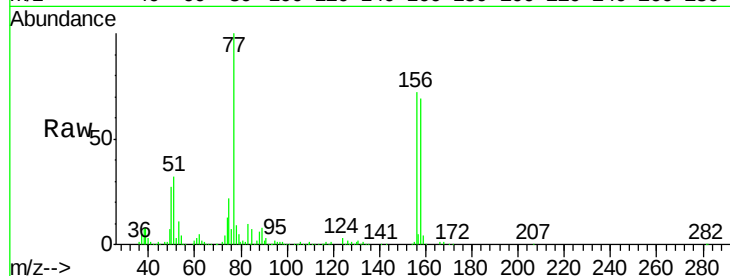
Tot Ion:156 Resp: 370625

Ion Ratio Lower Upper

156 100

77 163.6 93.6 280.8

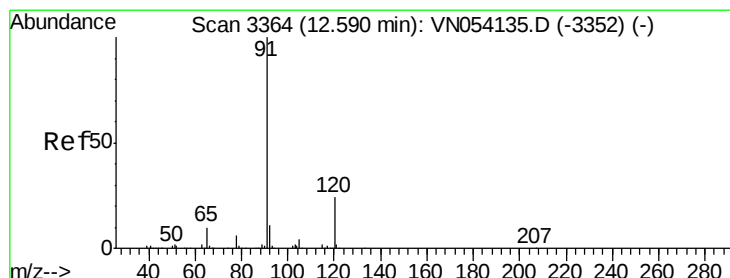
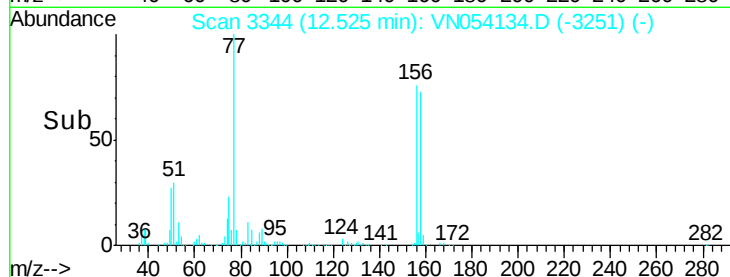
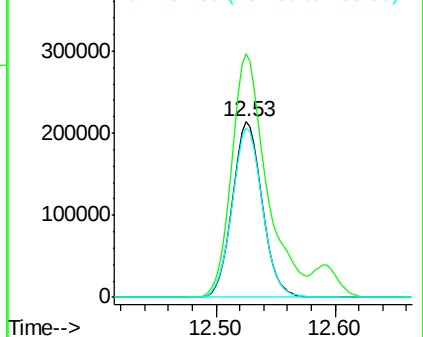
158 98.1 48.4 145.0



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: 18.339 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054134.D

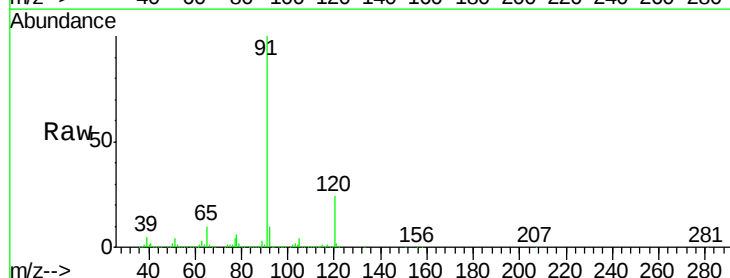
Acq: 11 Mar 2019 11:04

Tgt Ion: 91 Resp: 1560381

Ion Ratio Lower Upper

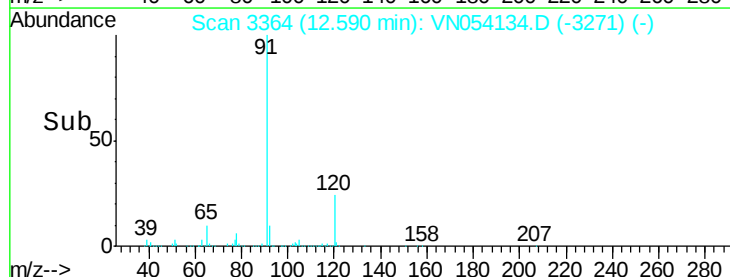
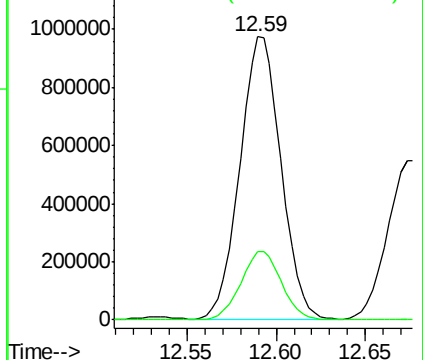
91 100

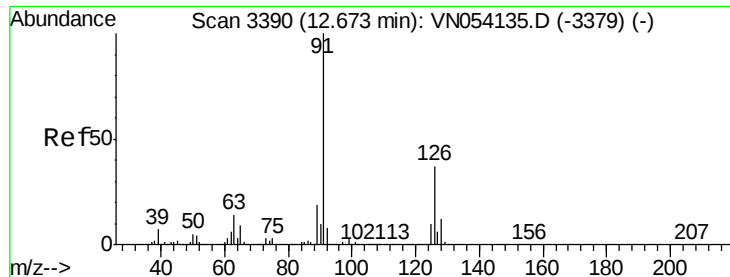
120 24.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.762 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

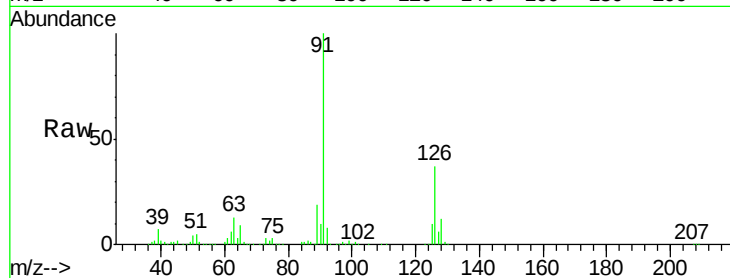
VSTDIC020

Tot Ion: 91 Resp: 925077

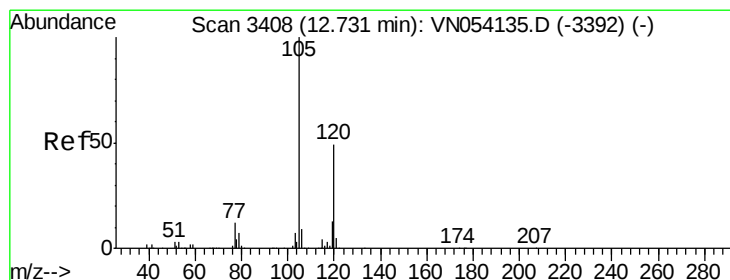
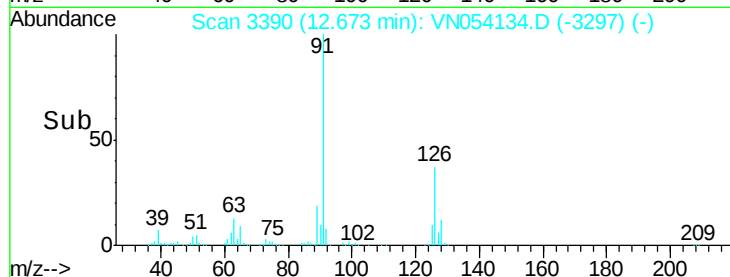
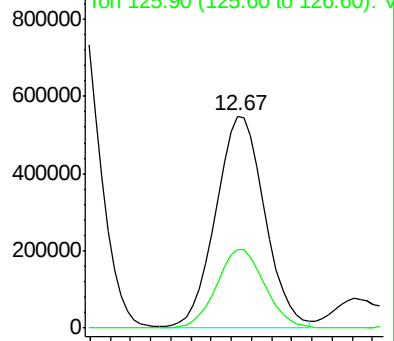
Ion Ratio Lower Upper

91 100

126 37.2 17.4 52.2



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



#80

1,3,5-Trimethylbenzene

Concen: 17.763 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054134.D

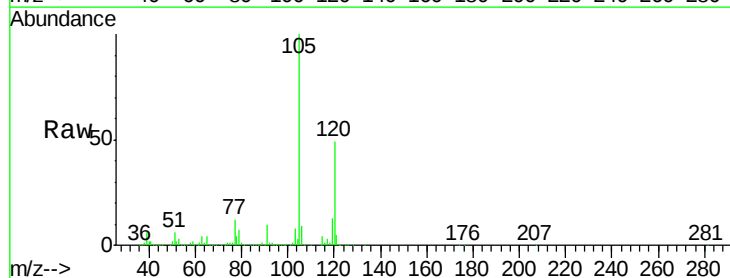
Acq: 11 Mar 2019 11:04

Tgt Ion: 105 Resp: 1170780

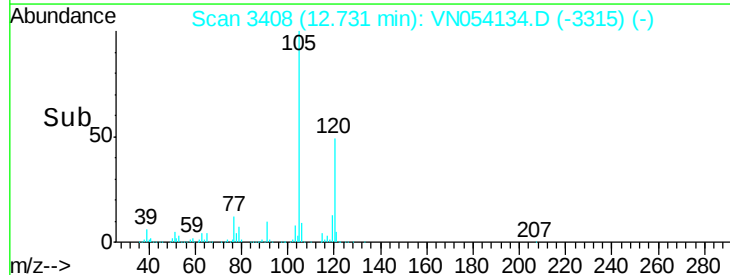
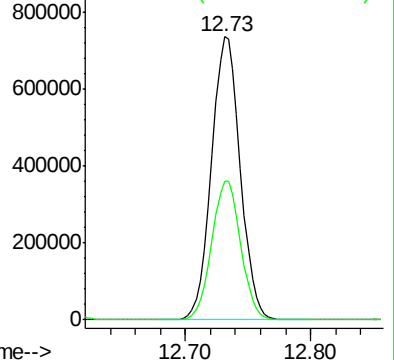
Ion Ratio Lower Upper

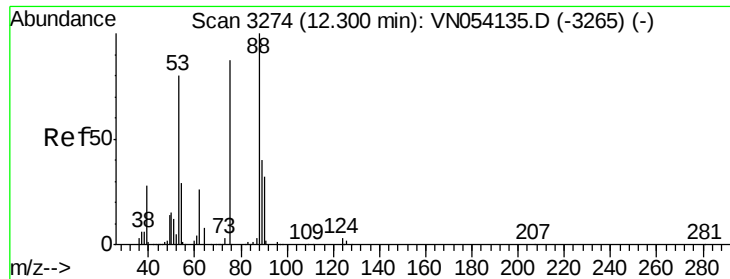
105 100

120 49.6 24.6 73.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.278 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

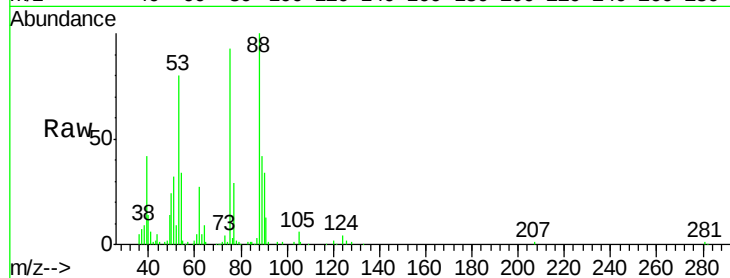
Tot Ion: 75 Resp: 81941

Ion Ratio Lower Upper

75 100

53 96.1 76.4 114.6

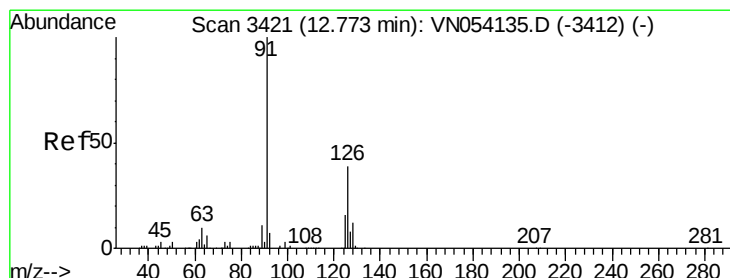
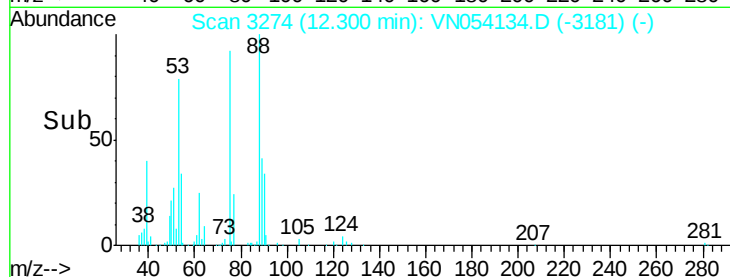
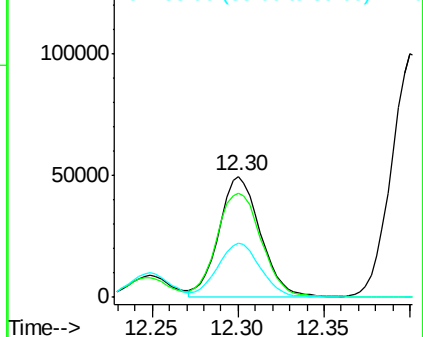
89 47.9 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 17.844 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054134.D

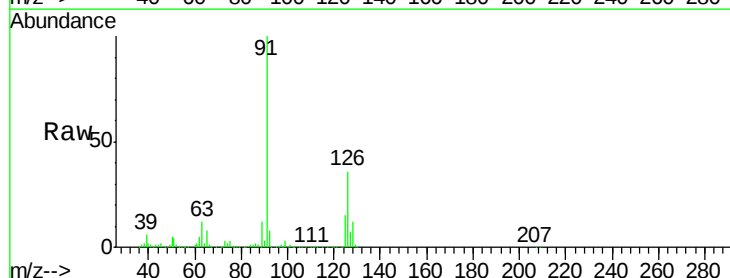
Acq: 11 Mar 2019 11:04

Tgt Ion: 91 Resp: 906059

Ion Ratio Lower Upper

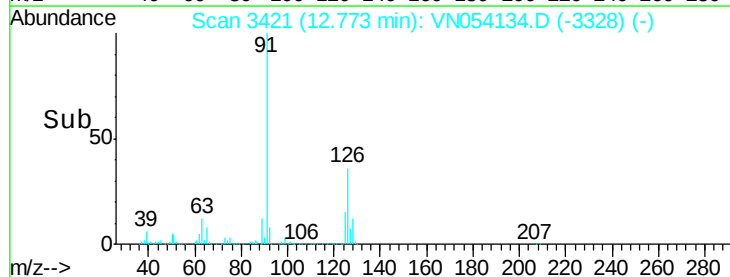
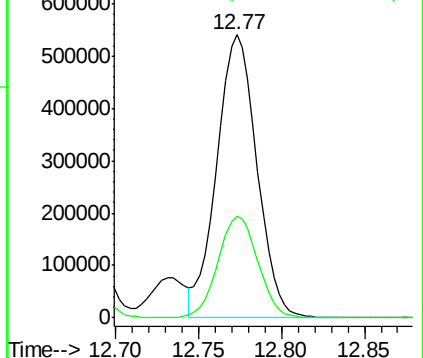
91 100

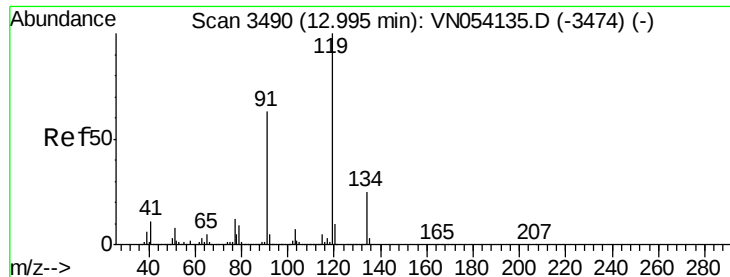
126 36.0 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 17.979 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

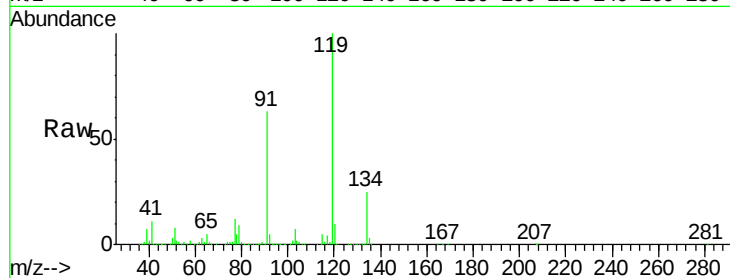
Tot Ion:119 Resp: 1094407

Ion Ratio Lower Upper

119 100

91 62.1 31.8 95.3

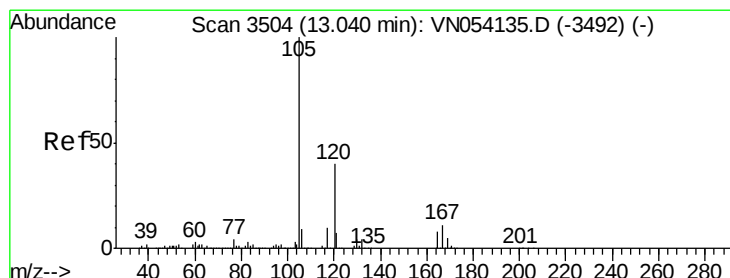
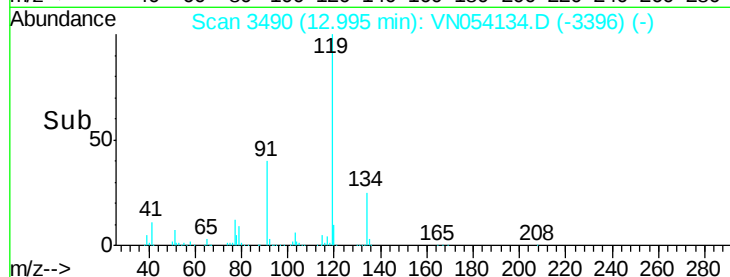
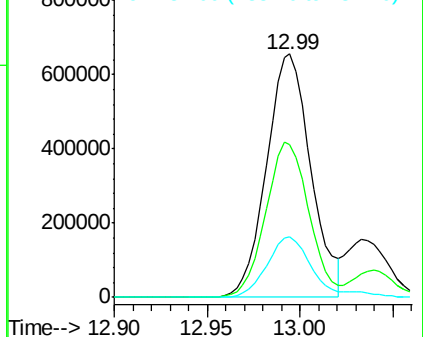
134 25.8 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.041 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054134.D

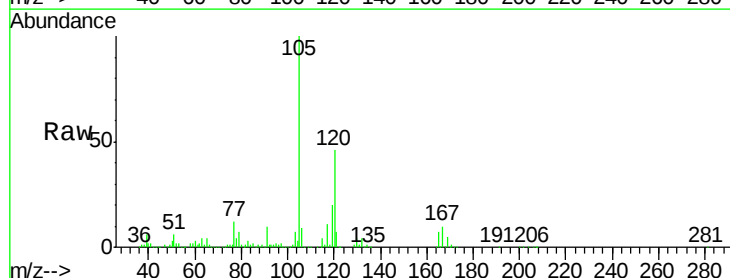
Acq: 11 Mar 2019 11:04

Tgt Ion:105 Resp: 1164371

Ion Ratio Lower Upper

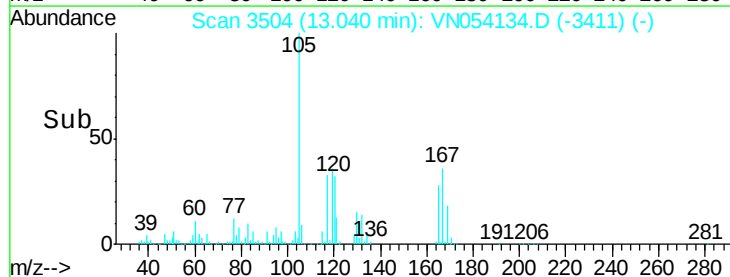
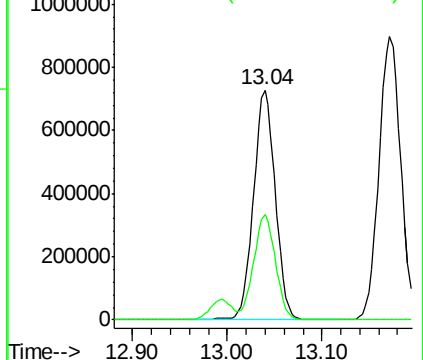
105 100

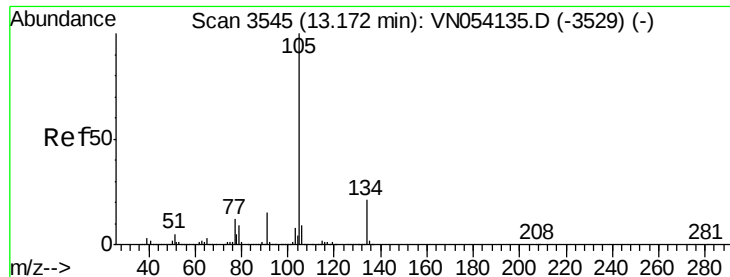
120 46.0 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.115 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampled :

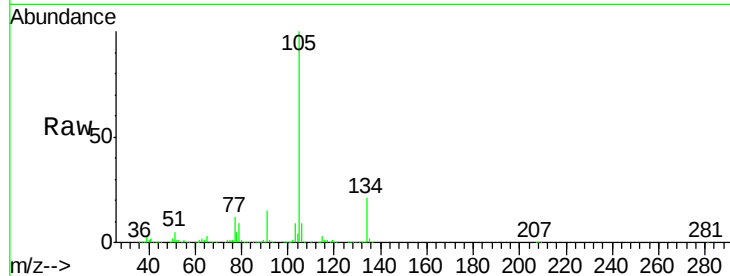
VSTDIC020

Tot Ion:105 Resp: 1428832

Ion Ratio Lower Upper

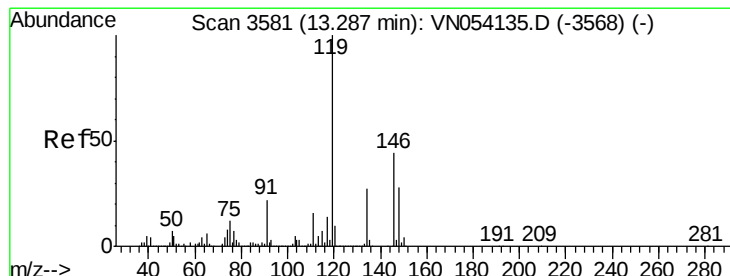
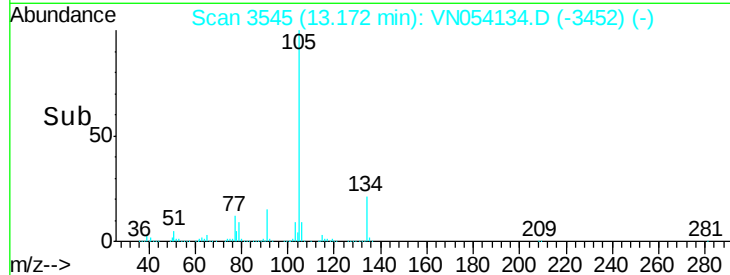
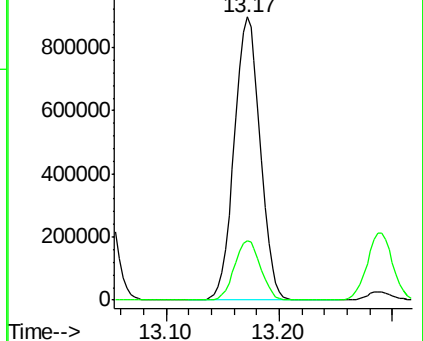
105 100

134 21.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.842 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

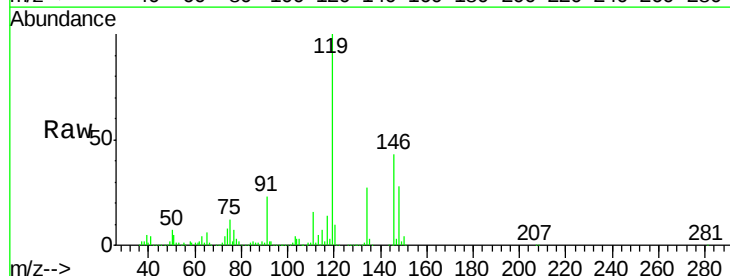
Tgt Ion:119 Resp: 1228016

Ion Ratio Lower Upper

119 100

134 27.2 13.2 39.5

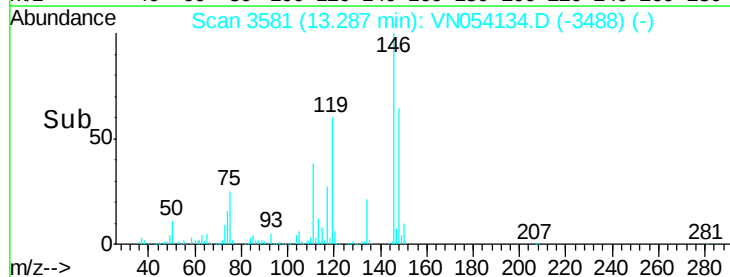
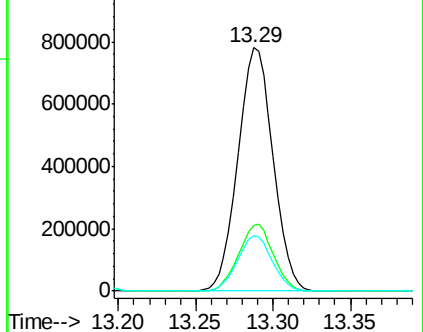
91 22.4 11.4 34.2

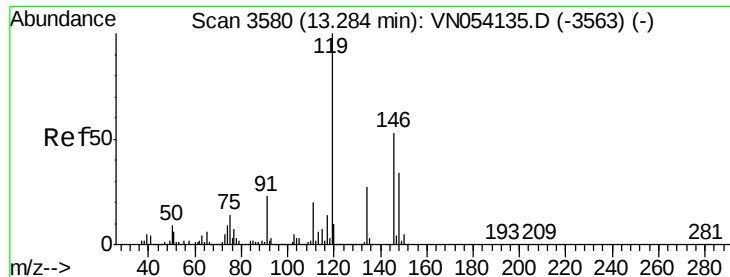


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

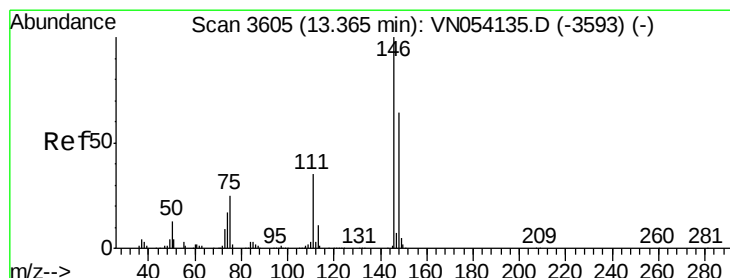
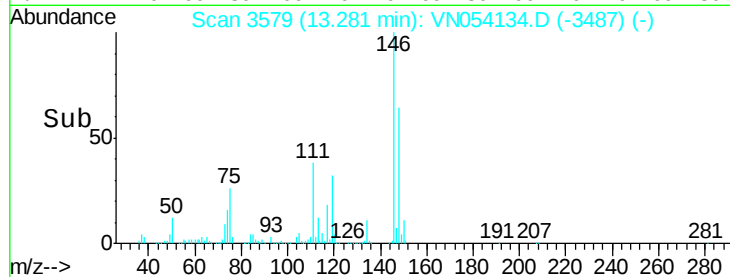
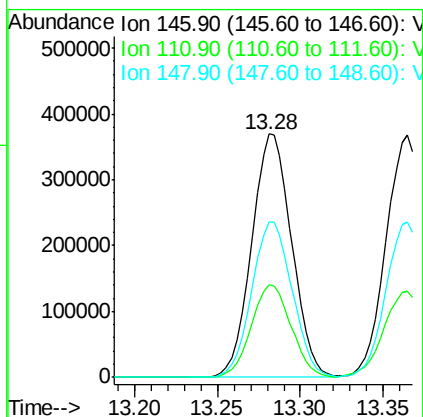
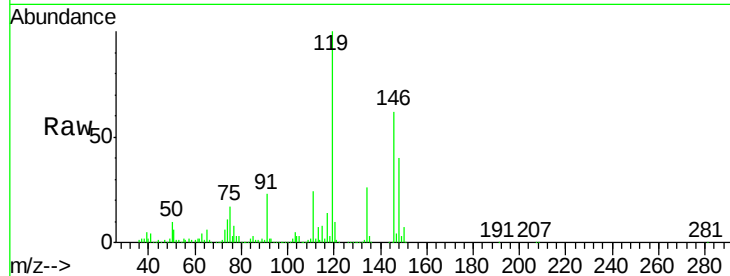




#87
 1,3-Dichlorobenzene
 Concen: 17.862 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054134.D
 Acq: 11 Mar 2019 11:04

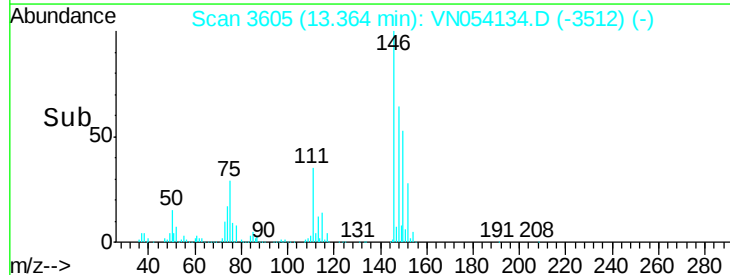
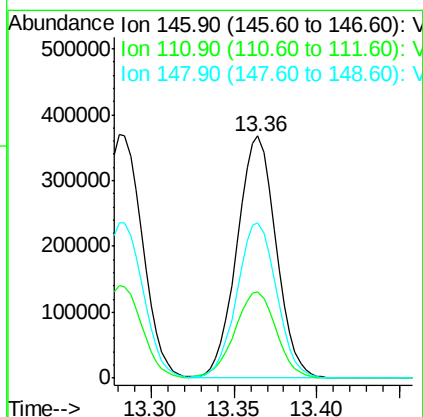
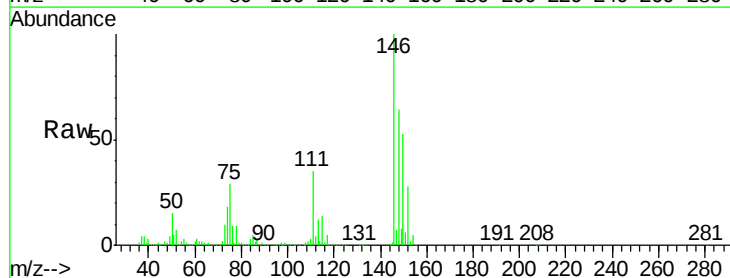
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

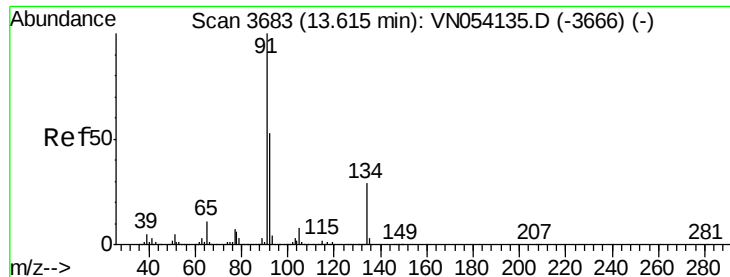
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.8
148	64.7	32.4	97.0



#88
 1,4-Dichlorobenzene
 Concen: 17.714 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN054134.D
 Acq: 11 Mar 2019 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	65.1	32.1	96.5

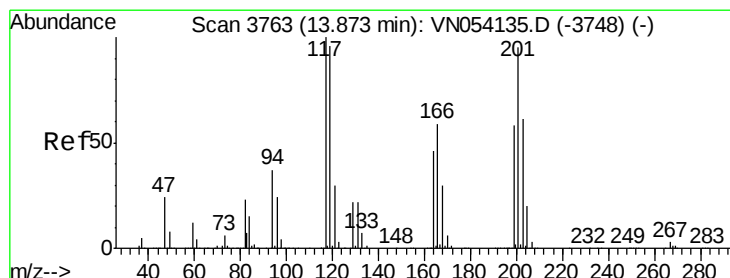
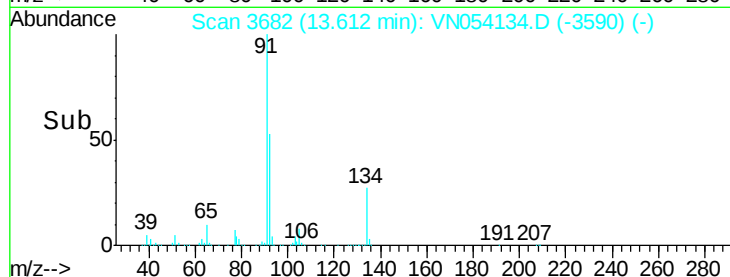
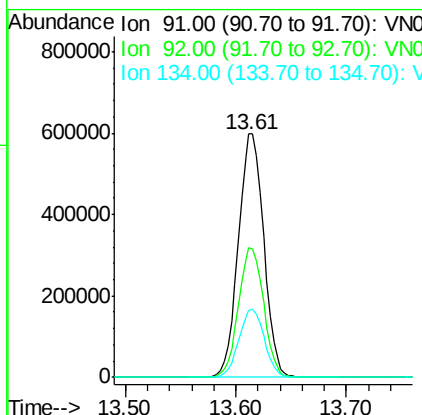
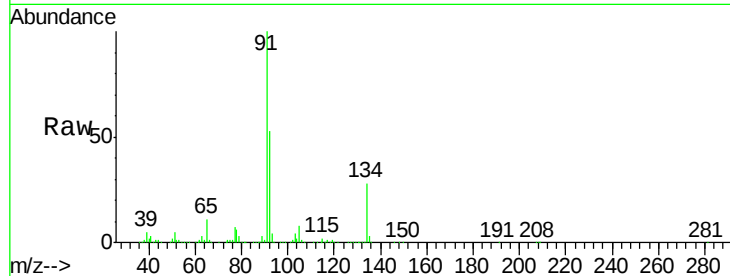




#89
n-Butylbenzene
Concen: 18.021 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

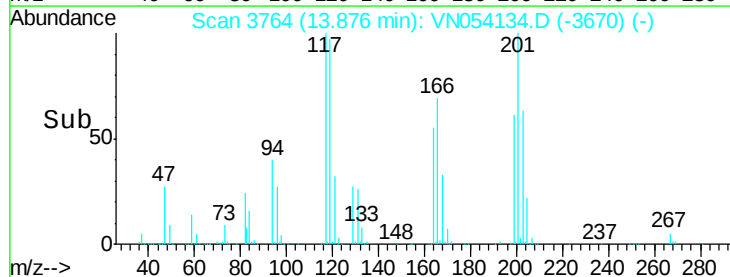
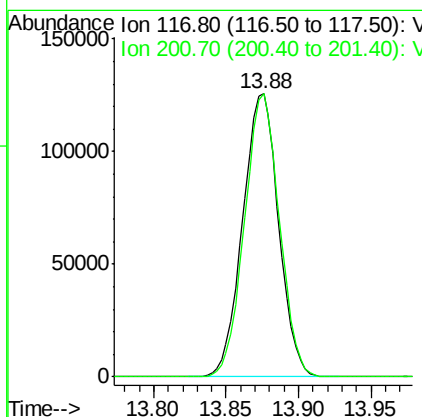
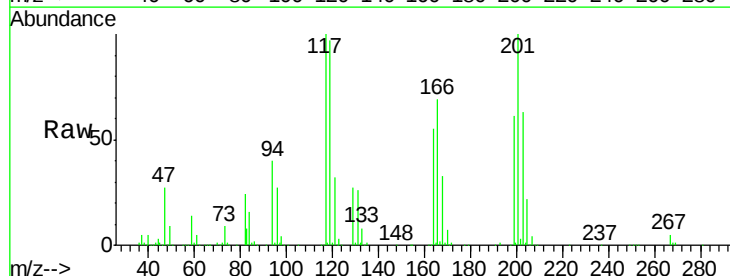
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

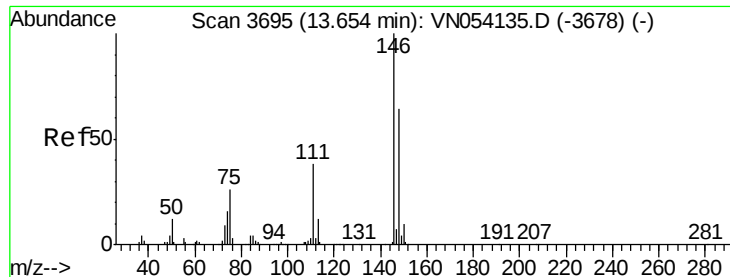
Tot Ion: 91 Resp: 951259
Ion Ratio Lower Upper
91 100
92 52.9 26.0 78.0
134 27.9 13.1 39.1



#90
Hexachloroethane
Concen: 17.614 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054134.D
Acq: 11 Mar 2019 11:04

Tgt Ion: 117 Resp: 216475
Ion Ratio Lower Upper
117 100
201 97.2 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 18.047 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

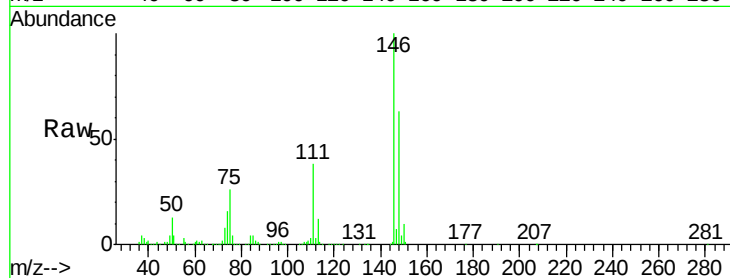
Tot Ion:146 Resp: 612811

Ion Ratio Lower Upper

146 100

111 38.7 20.0 60.0

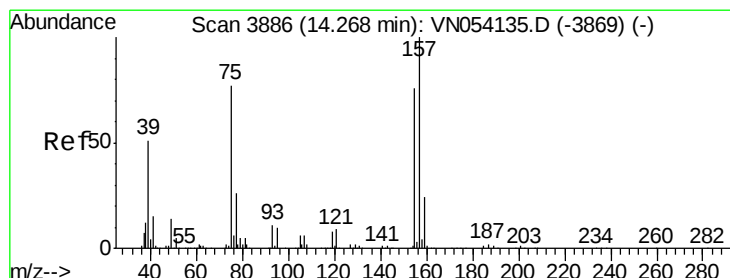
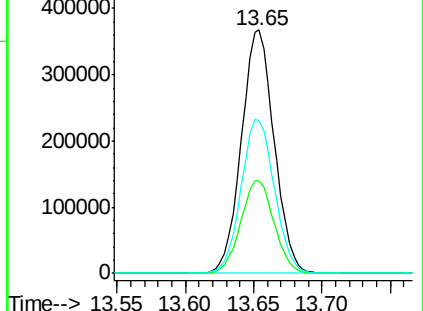
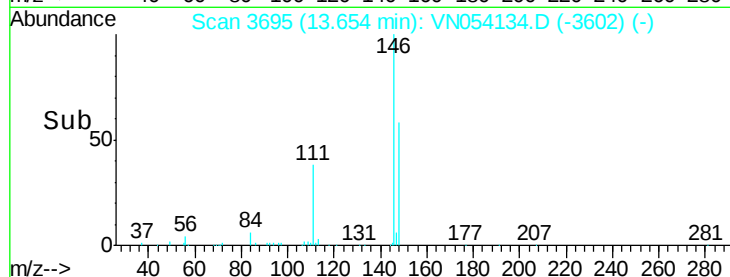
148 64.4 32.3 96.9



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: 17.421 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

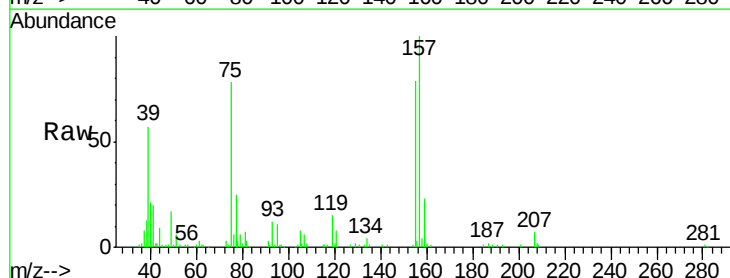
Tgt Ion: 75 Resp: 51609

Ion Ratio Lower Upper

75 100

155 101.3 44.5 133.5

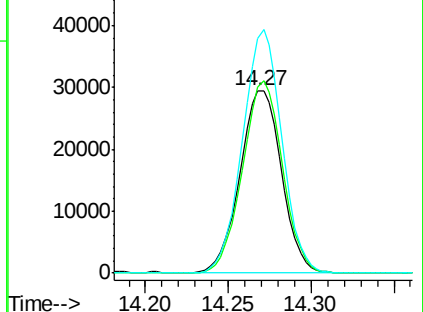
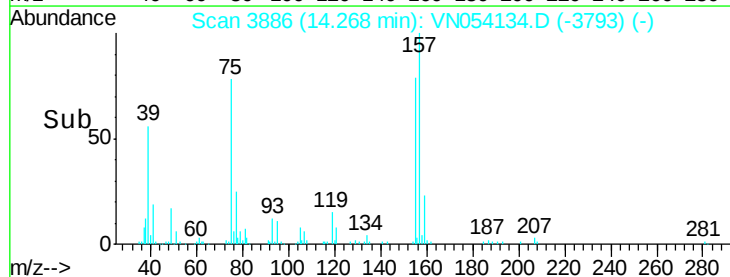
157 126.0 57.2 171.6

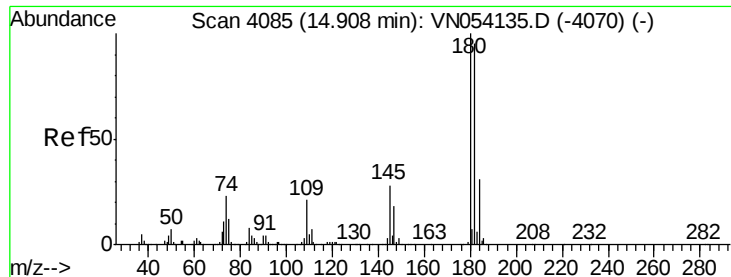


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

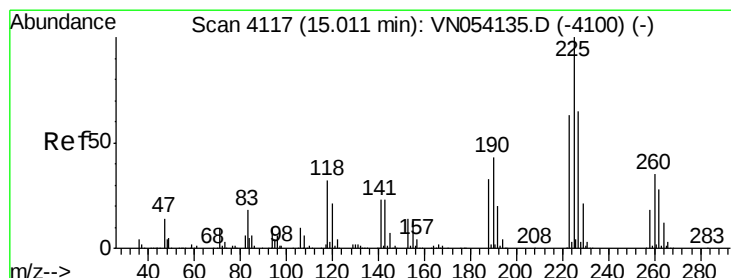
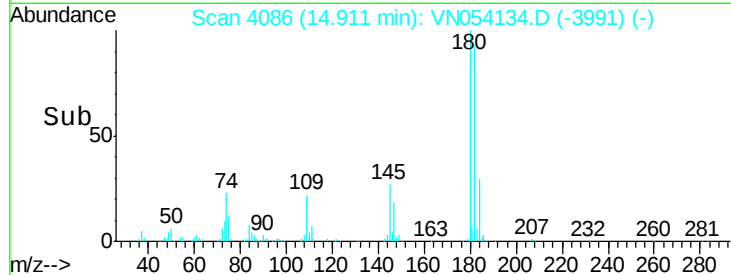
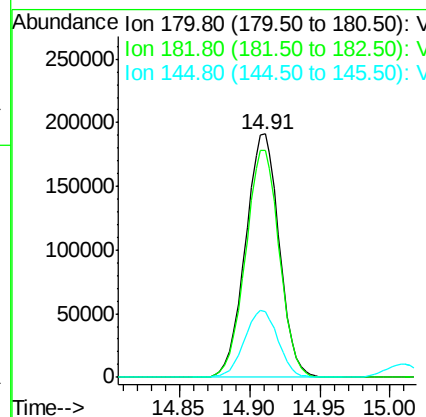
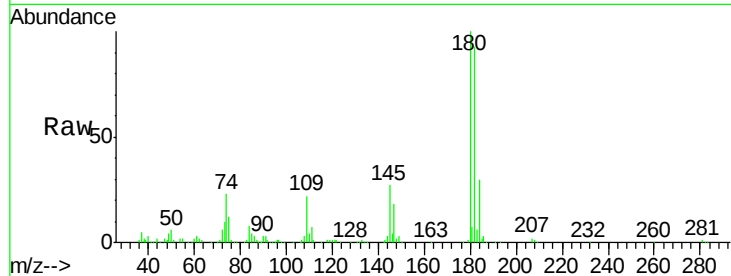




#93
 1,2,4-Trichlorobenzene
 Concen: 18.182 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054134.D
 Acq: 11 Mar 2019 11:04

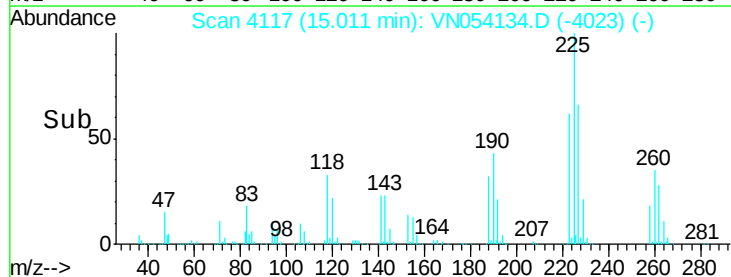
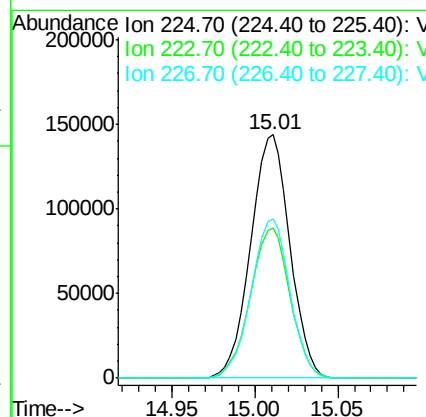
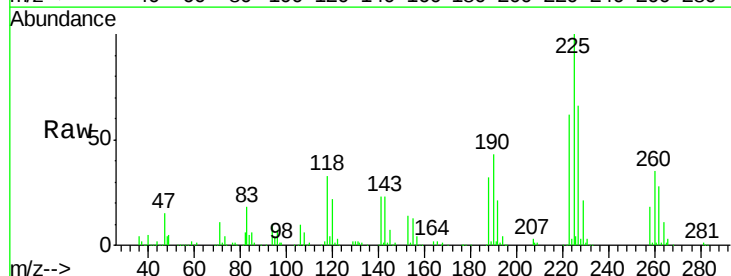
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

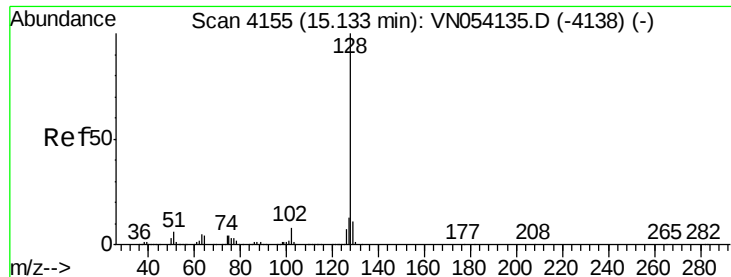
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.1	144.3
145	27.5	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 17.623 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054134.D
 Acq: 11 Mar 2019 11:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.2	93.6
227	64.6	31.9	95.7





#95

Naphthalene

Concen: 17.696 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Instrument :

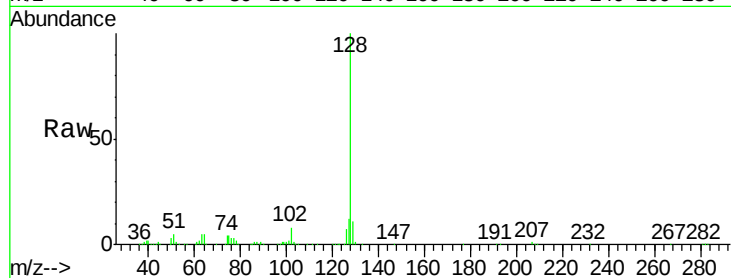
MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:128 Resp: 661297

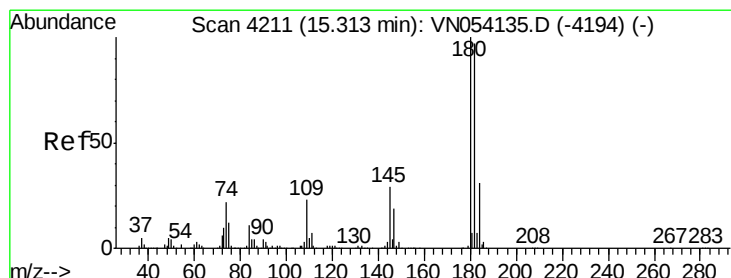
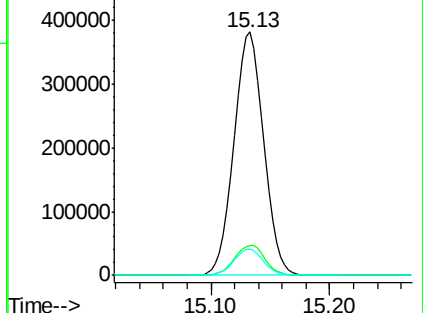
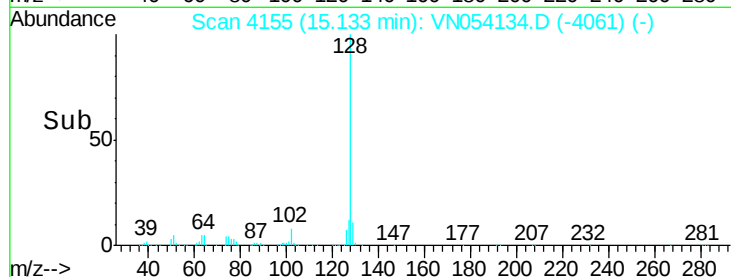
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.8	8.6	12.8



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: 18.456 ug/l

RT: 15.31 min Scan# 4211

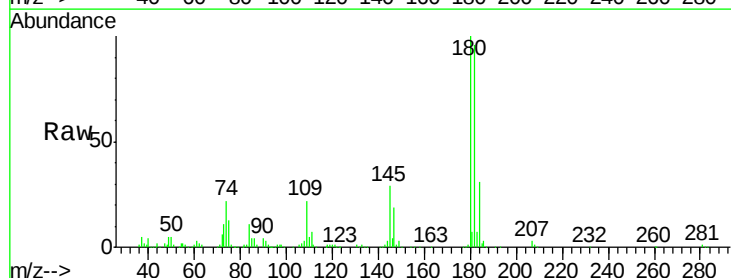
Delta R.T. -0.00 min

Lab File: VN054134.D

Acq: 11 Mar 2019 11:04

Tgt Ion:180 Resp: 329380

Ion	Ratio	Lower	Upper
180	100		
182	97.3	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

