

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054938.D
 Acq On : 4 Apr 2019 10:39
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 05 01:52:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 01:45:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	431786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	701348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	608278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	257193	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	114304	20.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.16%	
35) Dibromofluoromethane	7.59	113	90552	19.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.66%	
50) Toluene-d8	10.09	98	345133	19.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.84%	
62) 4-Bromofluorobenzene	12.40	95	111993	19.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.74%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	109412	21.191	ug/l 96
3) Chloromethane	2.06	50	137515	20.144	ug/l 99
4) Vinyl Chloride	2.19	62	120718	20.240	ug/l 100
5) Bromomethane	2.58	94	66346	19.487	ug/l 99
6) Chloroethane	2.71	64	67672	20.343	ug/l 99
7) Trichlorofluoromethane	3.03	101	148085	20.448	ug/l 98
8) Diethyl Ether	3.42	74	46140	20.005	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	77985	20.325	ug/l 100
10) Methyl Iodide	3.95	142	108014	19.972	ug/l 99
11) Tert butyl alcohol	4.81	59	14702	49.901	ug/l # 54
12) 1,1-Dichloroethene	3.73	96	74826	19.660	ug/l 98
13) Acrolein	3.61	56	45751	113.551	ug/l 99
14) Allyl chloride	4.32	41	170971	19.800	ug/l 99
15) Acrylonitrile	5.00	53	177151	100.557	ug/l 99
16) Acetone	3.82	43	177705	114.852	ug/l 100
17) Carbon Disulfide	4.05	76	231416	19.101	ug/l 99
18) Methyl Acetate	4.33	43	75792	17.889	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	245809	19.911	ug/l 100
20) Methylene Chloride	4.55	84	102903	19.476	ug/l 96
21) trans-1,2-Dichloroethene	5.04	96	95253	20.076	ug/l 96
22) Diisopropyl ether	5.96	45	349667	20.155	ug/l 97
23) Vinyl Acetate	5.90	43	1224132	101.402	ug/l 99
24) 1,1-Dichloroethane	5.85	63	188478	19.922	ug/l 99
25) 2-Butanone	6.85	43	231620	108.351	ug/l 99
26) 2,2-Dichloropropane	6.82	77	128680	19.402	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	108565	20.134	ug/l 99
28) Bromochloromethane	7.19	49	85125	19.206	ug/l 99
29) Tetrahydrofuran	7.22	42	142680	101.831	ug/l 100
30) Chloroform	7.37	83	178818	19.944	ug/l 98
31) Cyclohexane	7.65	56	186826	17.294	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	149037	19.698	ug/l 98
36) 1,1-Dichloropropene	7.79	75	135789	19.540	ug/l 99
37) Ethyl Acetate	6.94	43	96464	20.228	ug/l 99
38) Carbon Tetrachloride	7.77	117	126162	18.799	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	156474	20.467	ug/l	99
40) Benzene	8.04	78	405560	20.282	ug/l	97
41) Methacrylonitrile	7.18	41	48564	17.809	ug/l	89
42) 1,2-Dichloroethane	8.12	62	141501	20.138	ug/l	99
43) Isopropyl Acetate	8.17	43	163582	20.353	ug/l	100
44) Trichloroethene	8.83	130	104403	20.420	ug/l	100
45) 1,2-Dichloropropane	9.12	63	113271	20.330	ug/l	97
46) Dibromomethane	9.21	93	66216	20.958	ug/l	95
47) Bromodichloromethane	9.40	83	131044	19.747	ug/l	98
48) Methyl methacrylate	9.20	41	81747	20.092	ug/l	98
49) 1,4-Dioxane	9.21	88	18021	438.818	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	459259	102.428	ug/l	100
52) Toluene	10.16	92	242084	20.539	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	119271	19.474	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	150951	20.211	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	86688	20.286	ug/l	99
56) Ethyl methacrylate	10.43	69	109977	19.683	ug/l	100
57) 1,3-Dichloropropane	10.71	76	153410	20.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	221667	100.406	ug/l	99
59) 2-Hexanone	10.75	43	294283	105.078	ug/l	99
60) Dibromochloromethane	10.90	129	89126	19.911	ug/l	99
61) 1,2-Dibromoethane	11.00	107	85210	21.207	ug/l	99
64) Tetrachloroethene	10.63	164	103725	21.143	ug/l	98
65) Chlorobenzene	11.43	112	248630	20.053	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	92419	20.359	ug/l	98
67) Ethyl Benzene	11.51	91	453417	20.283	ug/l	99
68) m/p-Xylenes	11.62	106	335005	40.994	ug/l	99
69) o-Xylene	11.95	106	161107	20.211	ug/l	100
70) Styrene	11.96	104	268553	21.004	ug/l	99
71) Bromoform	12.13	173	51232	18.776	ug/l #	97
73) Isopropylbenzene	12.25	105	432944	19.927	ug/l	98
74) N-amyl acetate	12.07	43	124316	20.586	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	104843	19.646	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	121192	28.984	ug/l #	100
77) Bromobenzene	12.53	156	105786	20.105	ug/l	98
78) n-propylbenzene	12.59	91	483156	20.185	ug/l	100
79) 2-Chlorotoluene	12.67	91	294372	19.843	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	362096	20.293	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21419	20.333	ug/l	96
82) 4-Chlorotoluene	12.77	91	282015	20.099	ug/l	100
83) tert-Butylbenzene	12.99	119	304790	20.080	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	353951	20.503	ug/l	100
85) sec-Butylbenzene	13.17	105	392430	19.989	ug/l	99
86) p-Isopropyltoluene	13.29	119	346871	20.506	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	174763	19.968	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	167633	20.120	ug/l	99
89) n-Butylbenzene	13.61	91	279549	20.678	ug/l	99
90) Hexachloroethane	13.87	117	53968	18.993	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	178727	20.799	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14449	19.429	ug/l	98

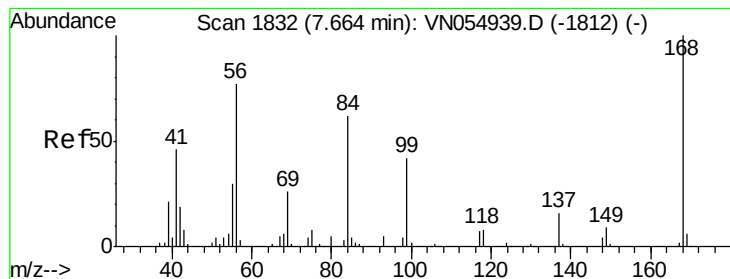
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	77217	20.198	ug/l	99
94) Hexachlorobutadiene	15.01	225	57960	20.161	ug/l	100
95) Naphthalene	15.13	128	162675	19.392	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	78674	19.937	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

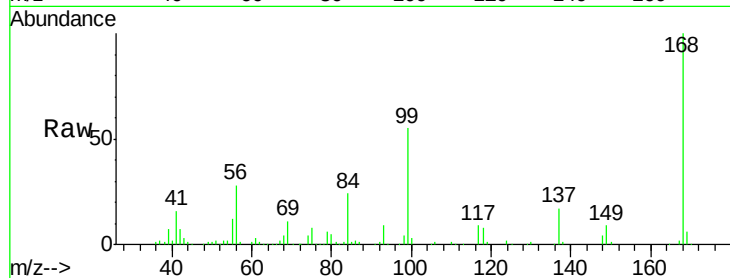
VSTDIC020

Tgt Ion:168 Resp: 431786

Ion Ratio Lower Upper

168 100

99 54.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

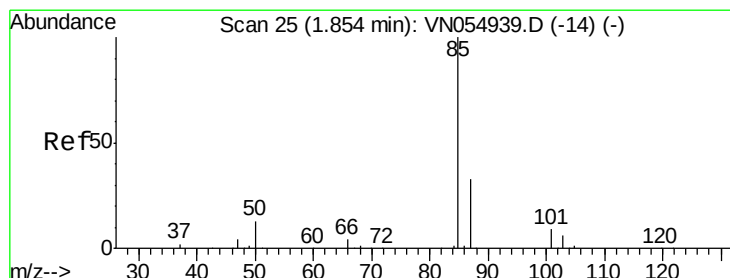
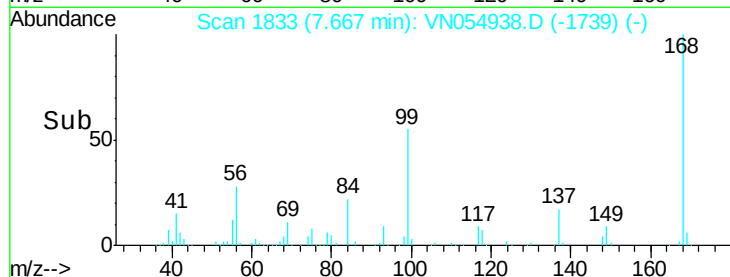
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.191 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054938.D

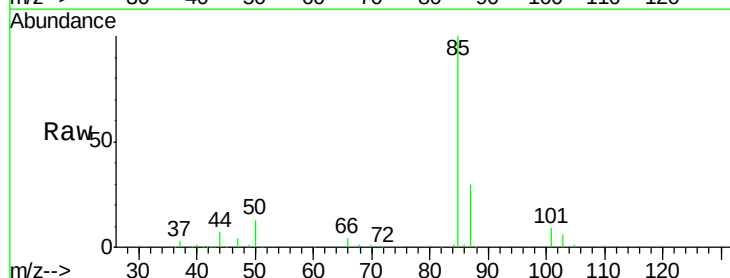
Acq: 4 Apr 2019 10:39

Tgt Ion: 85 Resp: 109412

Ion Ratio Lower Upper

85 100

87 30.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

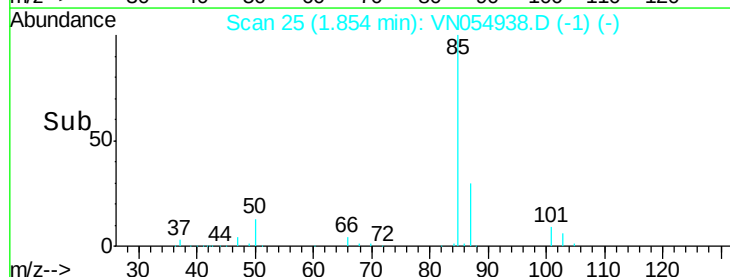
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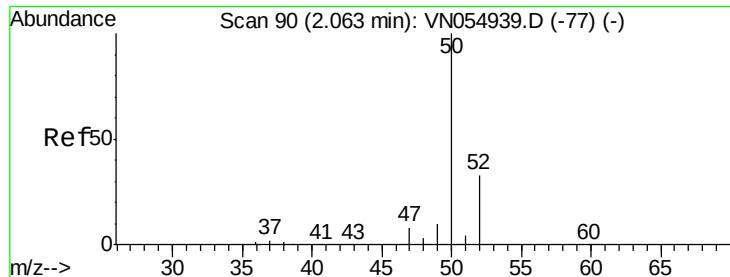
40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.144 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

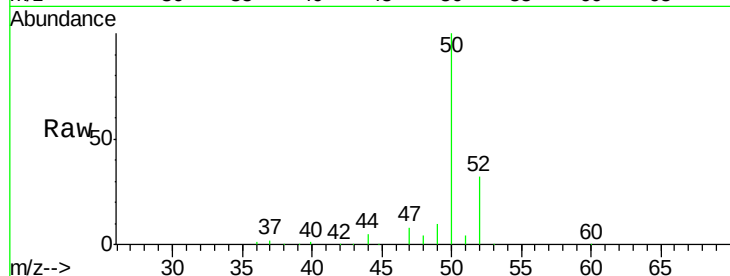
VSTDIC020

Tgt Ion: 50 Resp: 137515

Ion Ratio Lower Upper

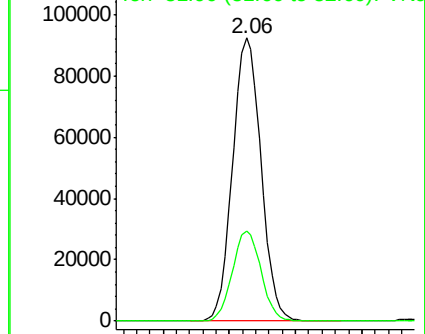
50 100

52 32.1 26.2 39.4

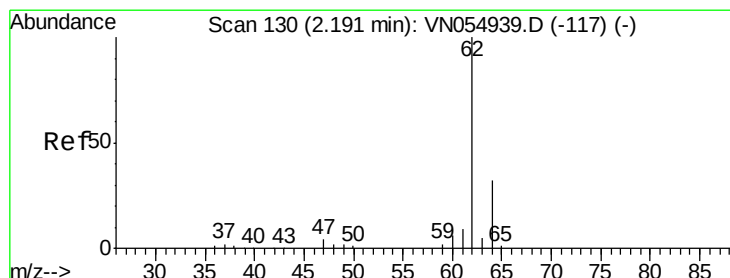
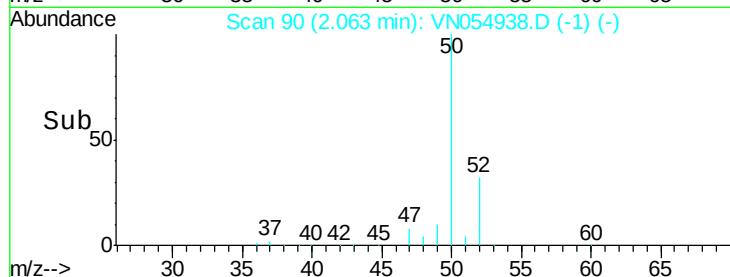


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 20.240 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054938.D

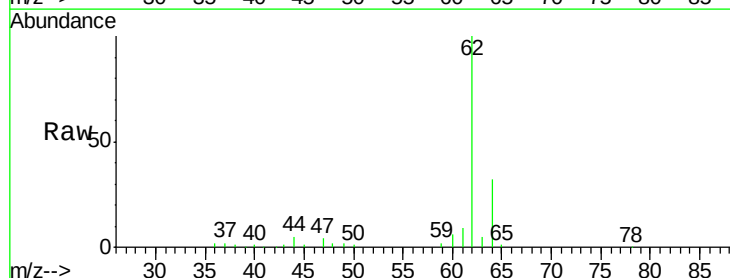
Acq: 4 Apr 2019 10:39

Tgt Ion: 62 Resp: 120718

Ion Ratio Lower Upper

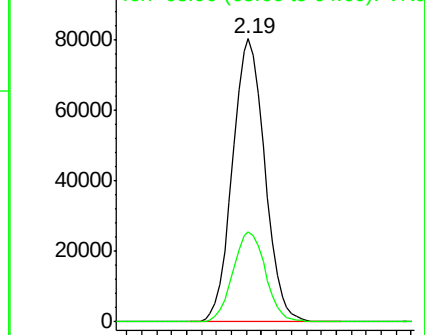
62 100

64 31.9 25.5 38.3

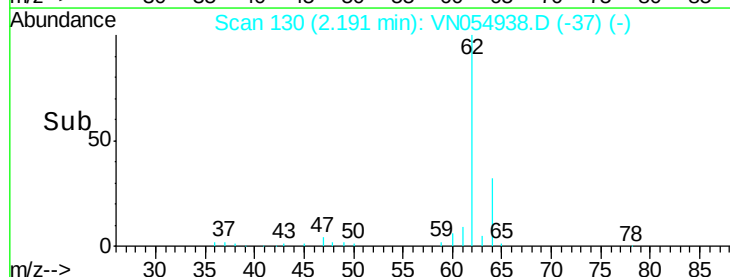


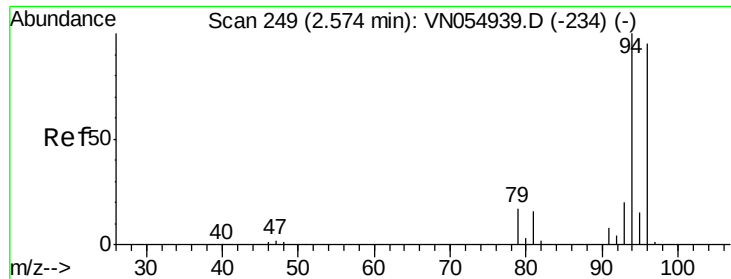
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





#5

Bromomethane

Concen: 19.487 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

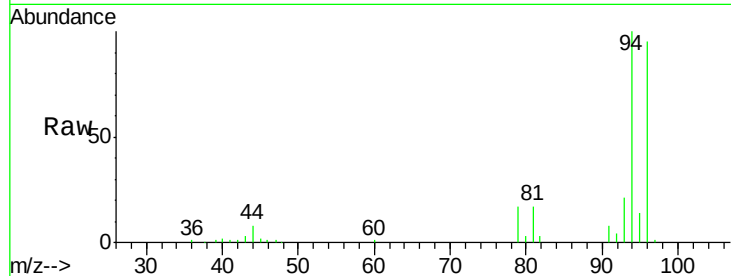
VSTDIC020

Tgt Ion: 94 Resp: 66346

Ion Ratio Lower Upper

94 100

96 95.5 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN054938.D (-250) (-)

Ion 95.90 (95.60 to 96.60): VN054938.D (-250) (-)

2.58

40000

30000

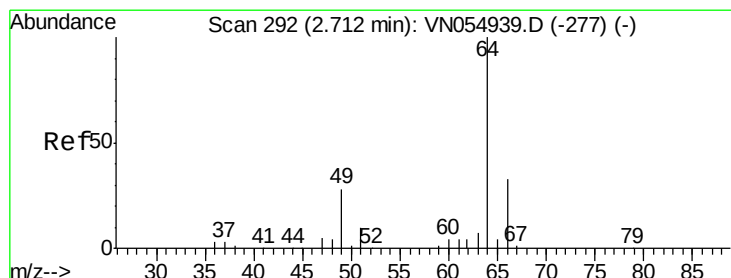
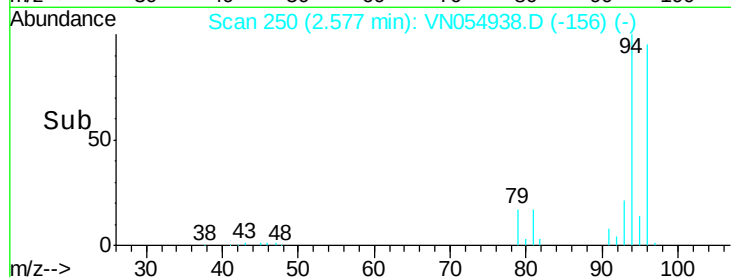
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.343 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054938.D

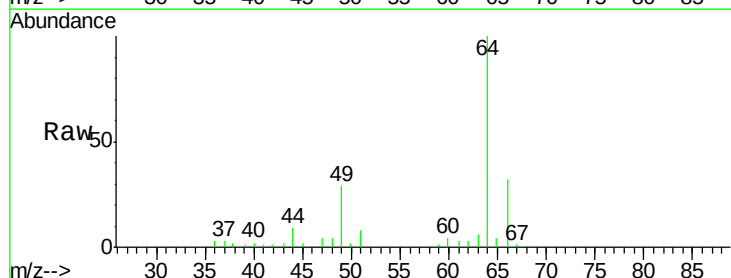
Acq: 4 Apr 2019 10:39

Tgt Ion: 64 Resp: 67672

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN054938.D (-292) (-)

Ion 65.90 (65.60 to 66.60): VN054938.D (-292) (-)

2.71

40000

30000

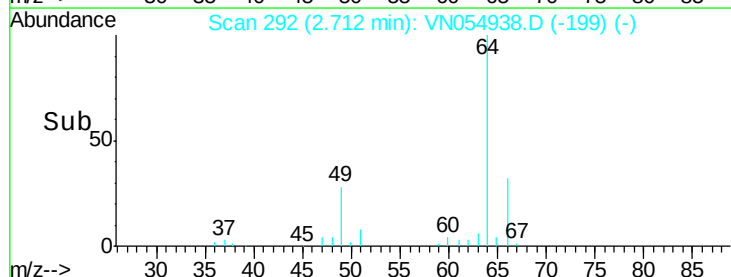
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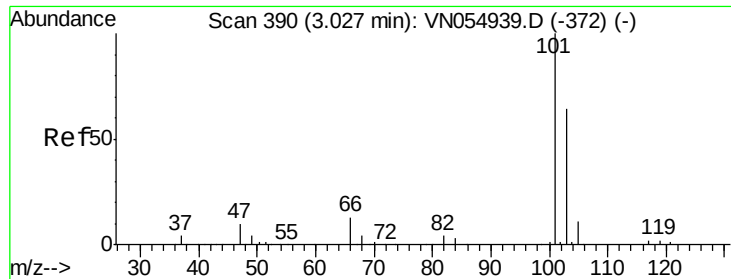
10000

0

Time-->

2.65 2.70 2.75 2.80



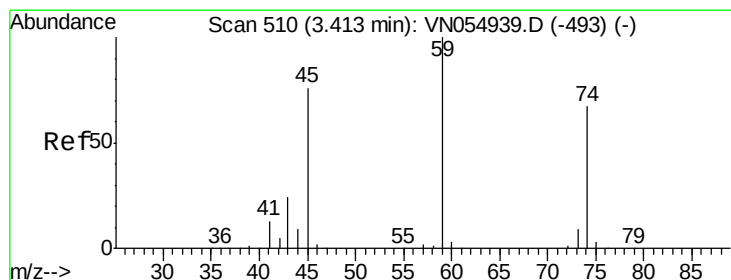
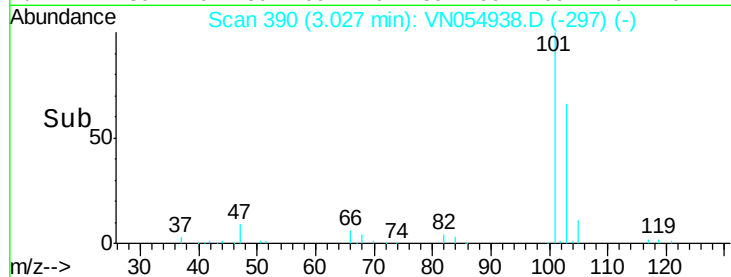
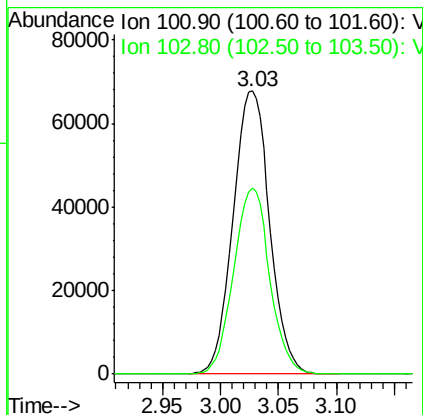
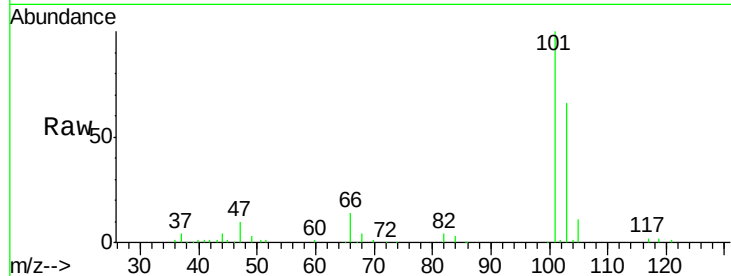


#7

Trichlorofluoromethane
 Concen: 20.448 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

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 ClientSampleId :
 VSTDIC020

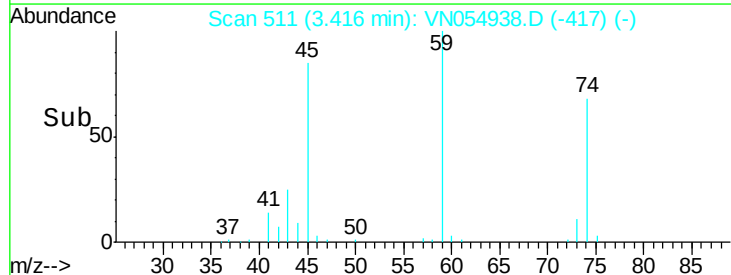
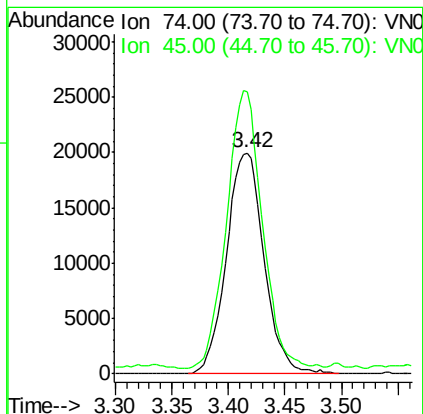
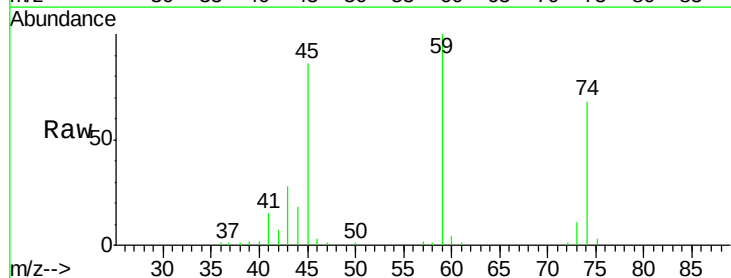
Tgt Ion:101 Resp: 148085
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.3 76.9

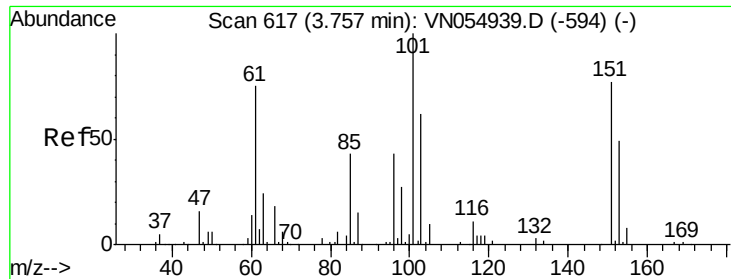


#8

Diethyl Ether
 Concen: 20.005 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

Tgt Ion: 74 Resp: 46140
 Ion Ratio Lower Upper
 74 100
 45 120.2 56.3 168.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.325 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

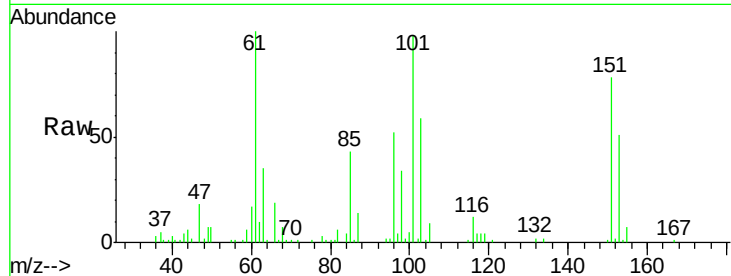
Tgt Ion:101 Resp: 77985

Ion Ratio Lower Upper

101 100

85 45.5 36.2 54.2

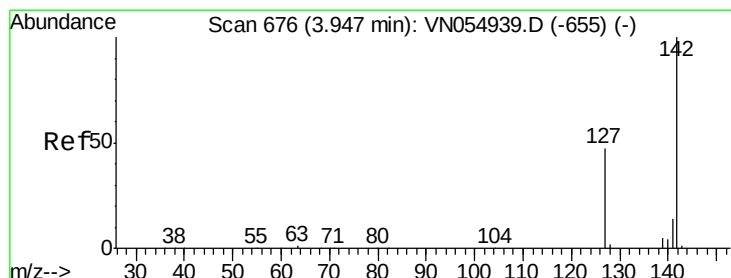
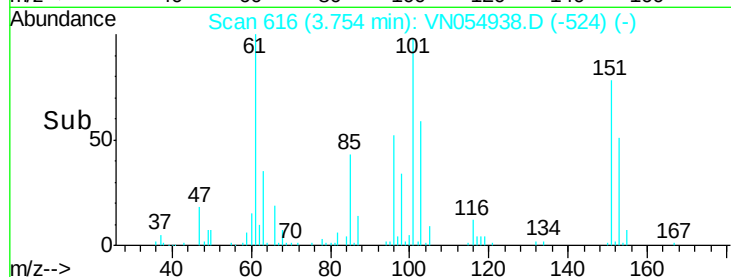
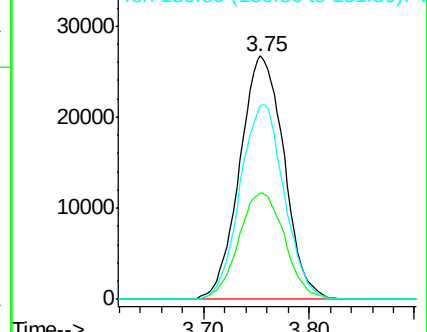
151 79.4 63.4 95.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.972 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

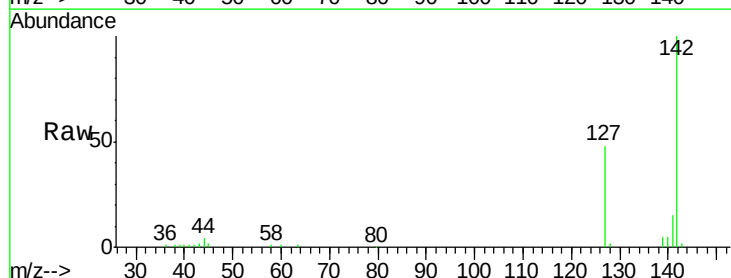
Tgt Ion:142 Resp: 108014

Ion Ratio Lower Upper

142 100

127 46.8 38.0 57.0

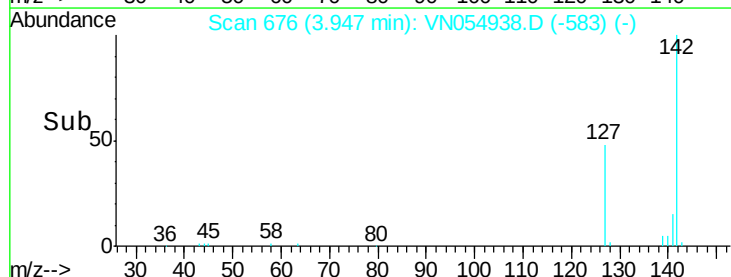
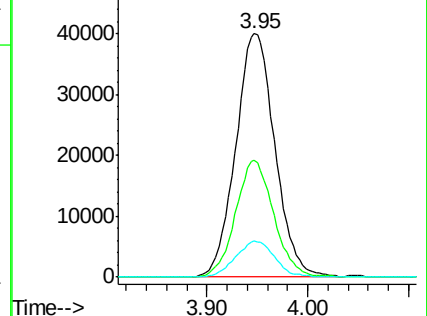
141 14.9 11.7 17.5

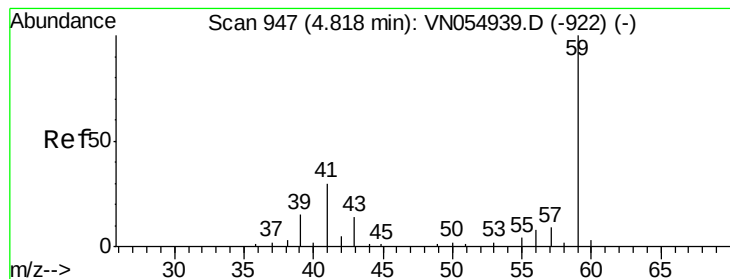


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 49.901 ug/l

RT: 4.81 min Scan# 944

Delta R.T. -0.01 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

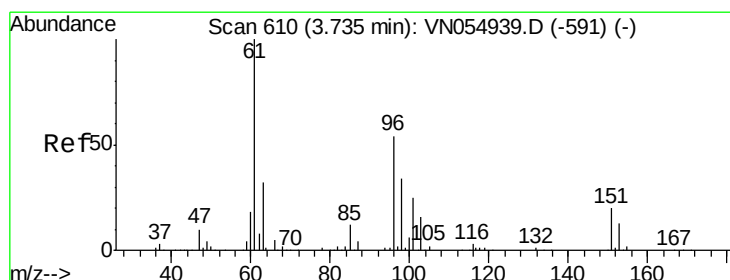
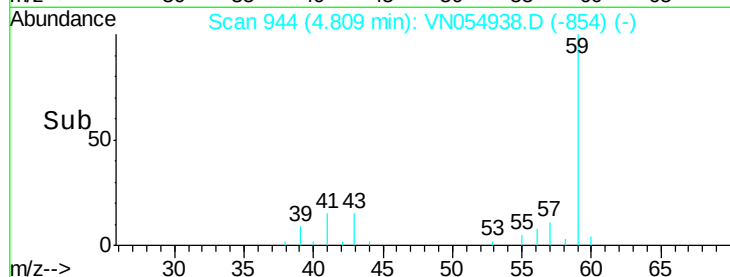
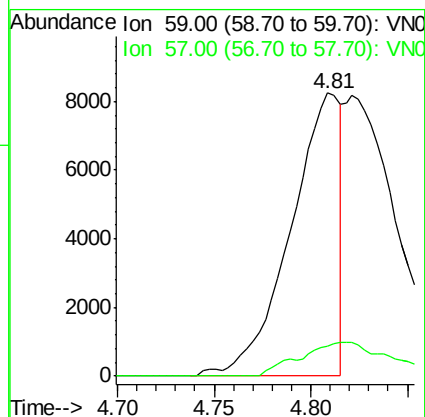
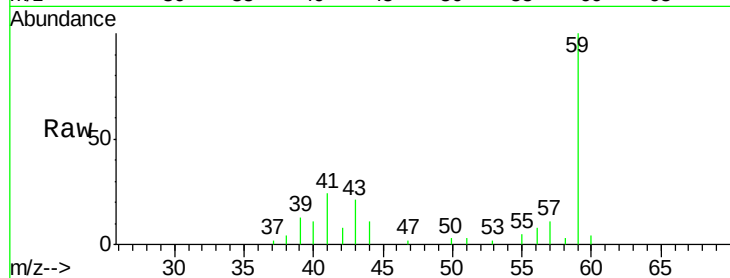
VSTDIC020

Tgt Ion: 59 Resp: 14702

Ion Ratio Lower Upper

59 100

57 21.7 5.0 7.4#



#12

1,1-Dichloroethene

Concen: 19.660 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

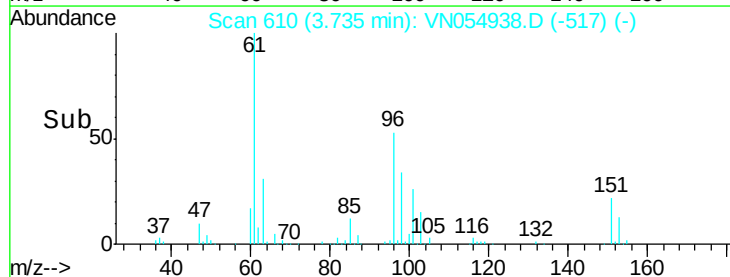
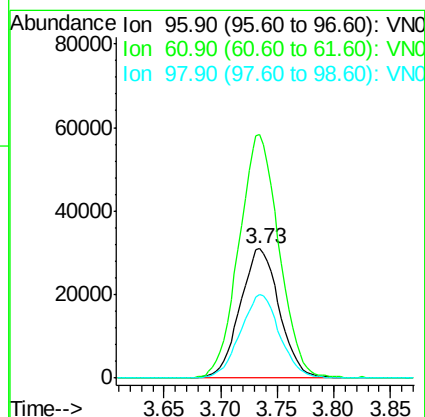
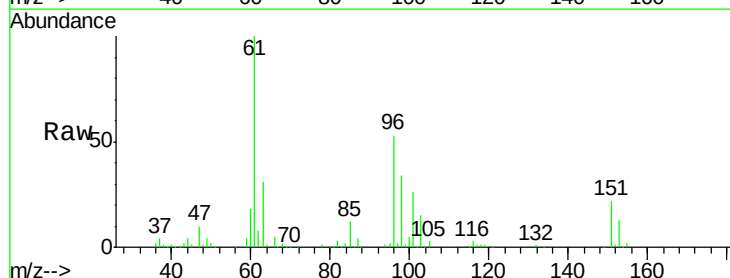
Tgt Ion: 96 Resp: 74826

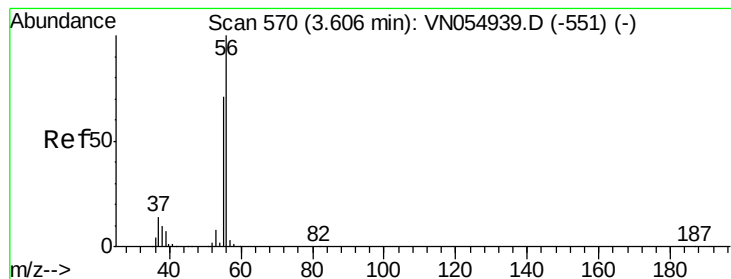
Ion Ratio Lower Upper

96 100

61 188.2 148.2 222.2

98 64.7 50.2 75.4





#13

Acrolein

Concen: 113.551 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

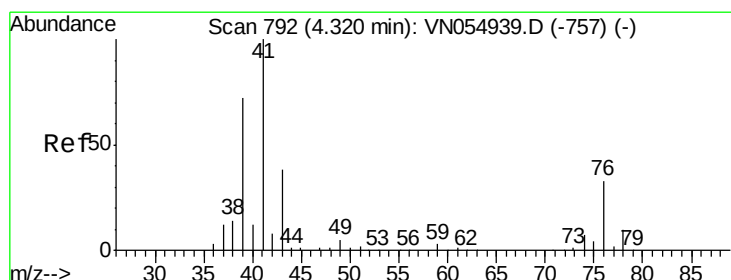
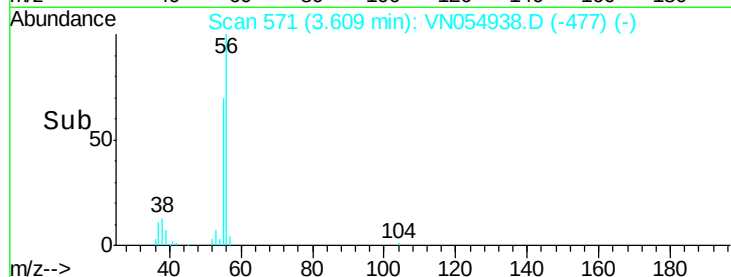
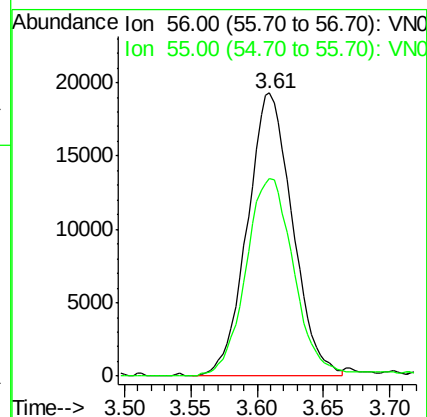
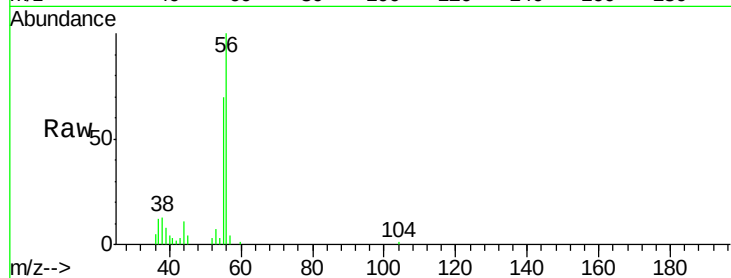
VSTDIC020

Tgt Ion: 56 Resp: 45751

Ion Ratio Lower Upper

56 100

55 74.2 58.6 87.8



#14

Allyl chloride

Concen: 19.800 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

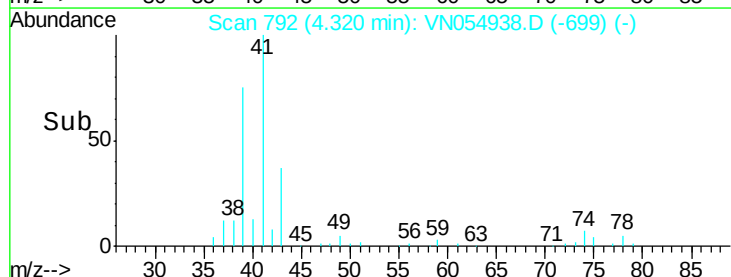
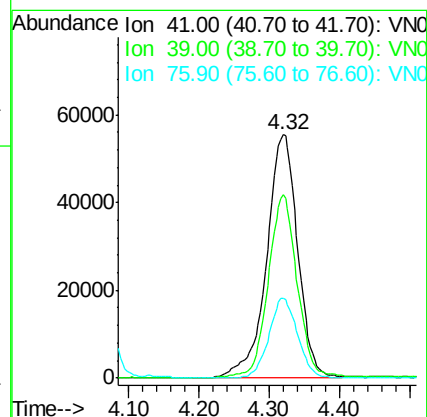
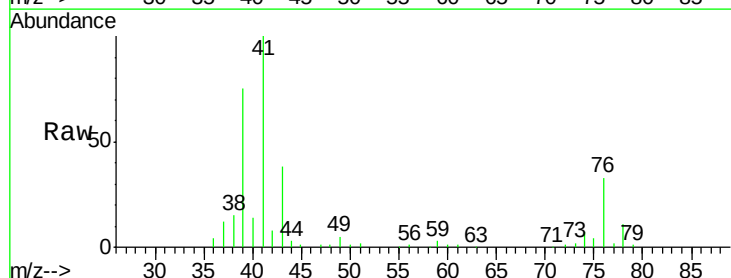
Tgt Ion: 41 Resp: 170971

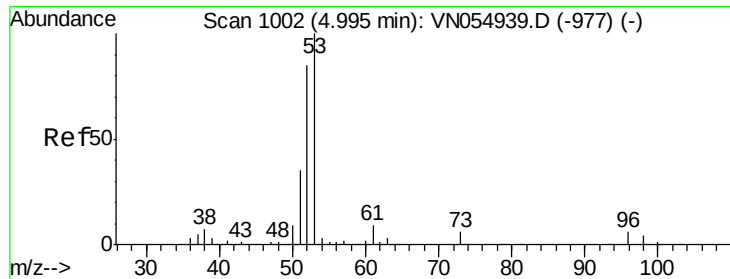
Ion Ratio Lower Upper

41 100

39 70.5 55.4 83.2

76 30.2 23.8 35.8

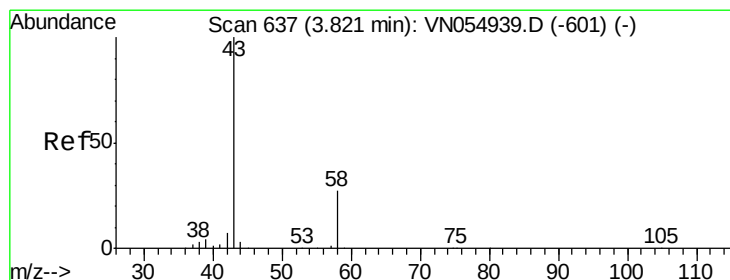
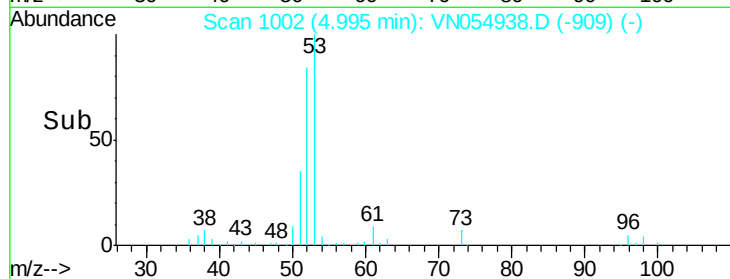
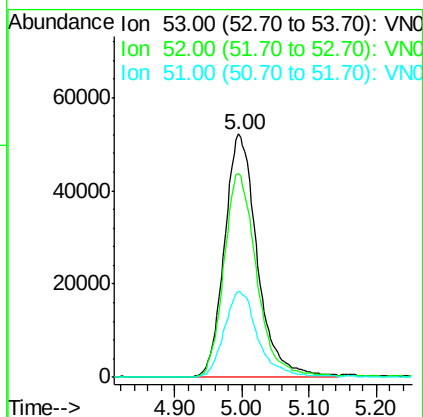
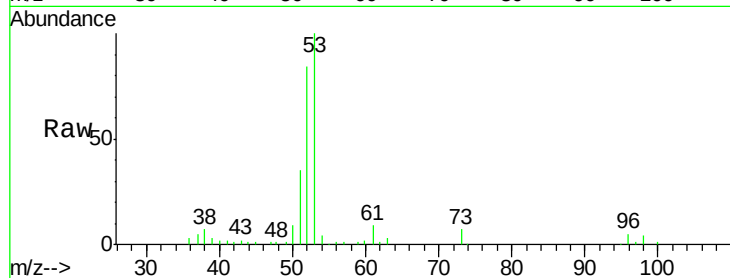




#15
 Acrylonitrile
 Concen: 100.557 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

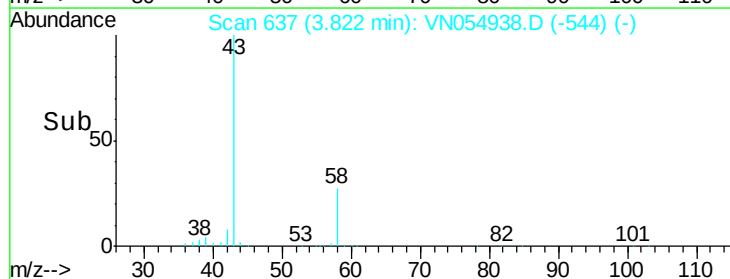
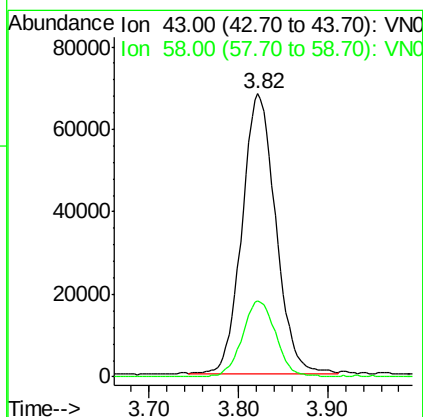
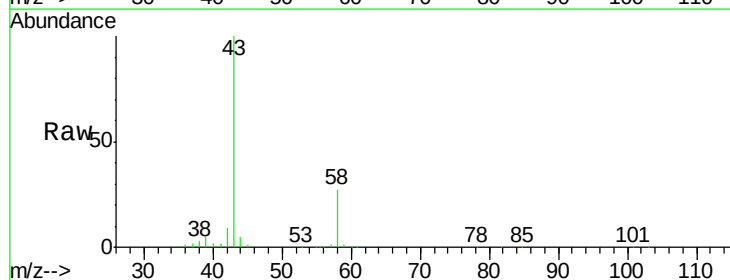
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

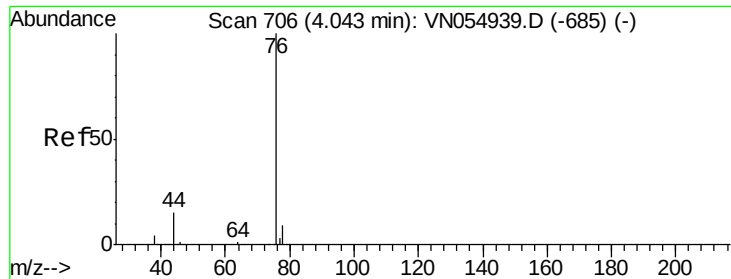
Tgt Ion: 53 Resp: 177151
 Ion Ratio Lower Upper
 53 100
 52 83.7 66.4 99.6
 51 36.1 29.5 44.3



#16
 Acetone
 Concen: 114.852 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

Tgt Ion: 43 Resp: 177705
 Ion Ratio Lower Upper
 43 100
 58 27.1 21.7 32.5





#17

Carbon Disulfide

Concen: 19.101 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

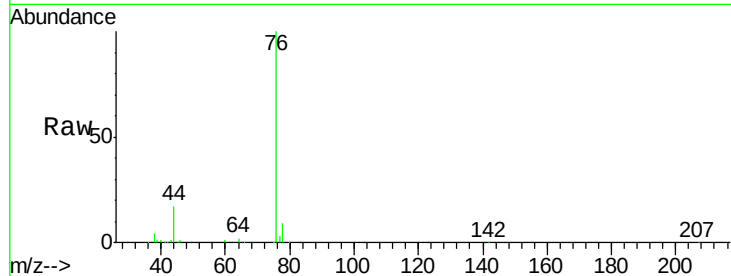
VSTDIC020

Tgt Ion: 76 Resp: 231416

Ion Ratio Lower Upper

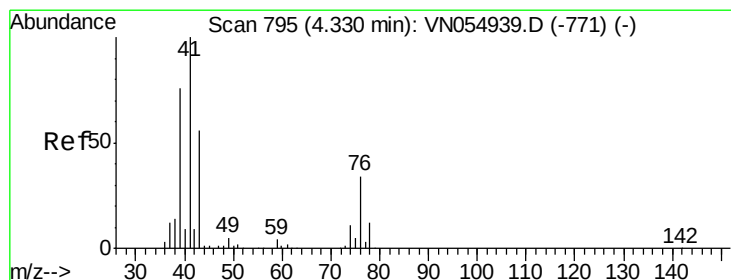
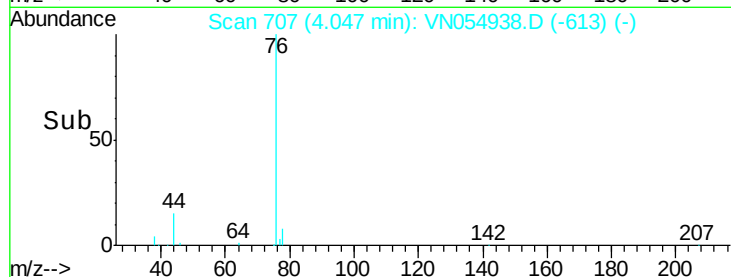
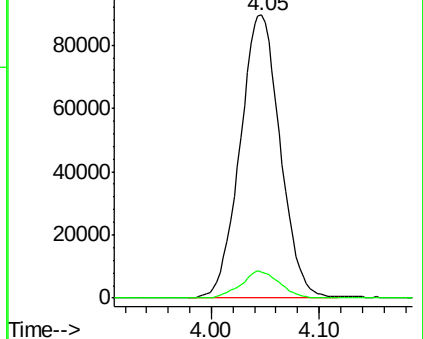
76 100

78 9.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 17.889 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054938.D

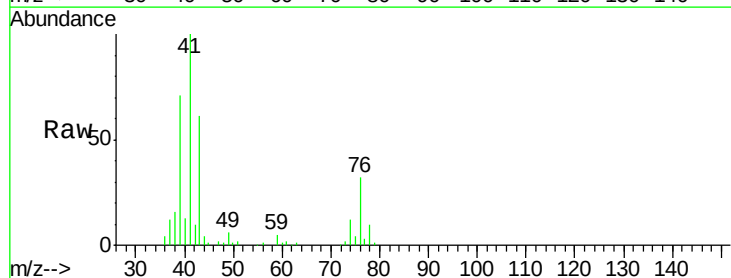
Acq: 4 Apr 2019 10:39

Tgt Ion: 43 Resp: 75792

Ion Ratio Lower Upper

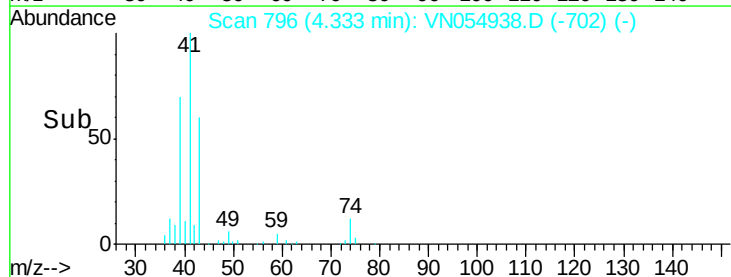
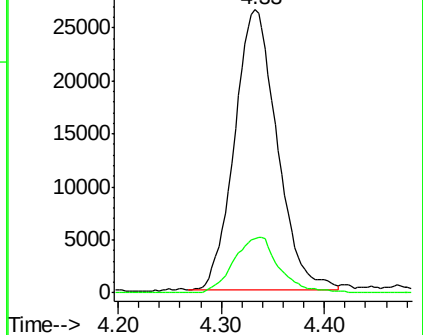
43 100

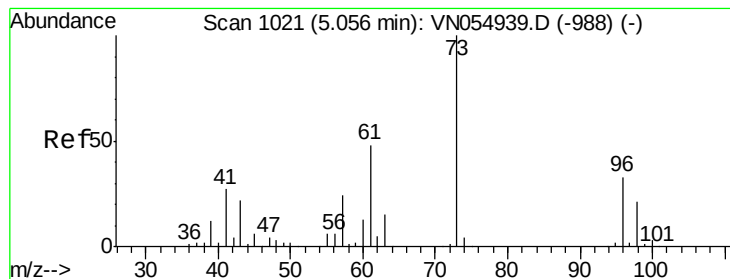
74 21.0 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 19.911 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

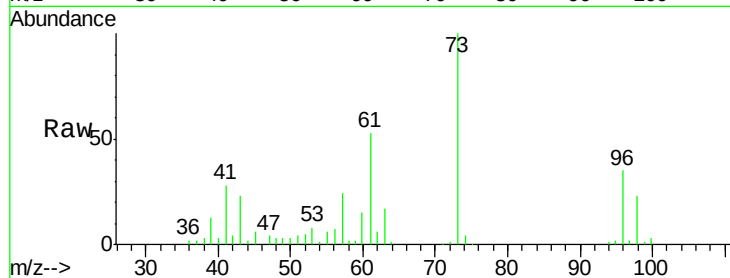
VSTDIC020

Tgt Ion: 73 Resp: 245809

Ion Ratio Lower Upper

73 100

57 24.2 19.5 29.3



Abundance Ion 73.00 (72.70 to 73.70): VN054939.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN054939.D (-988) (-)

5.05

60000

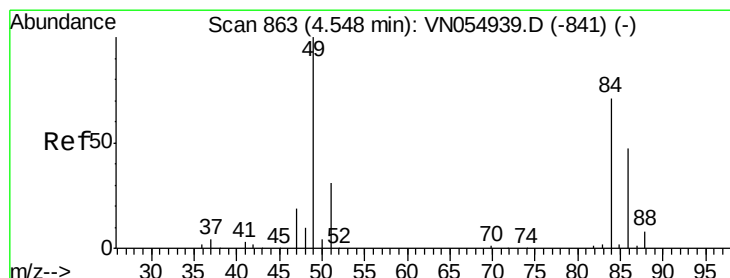
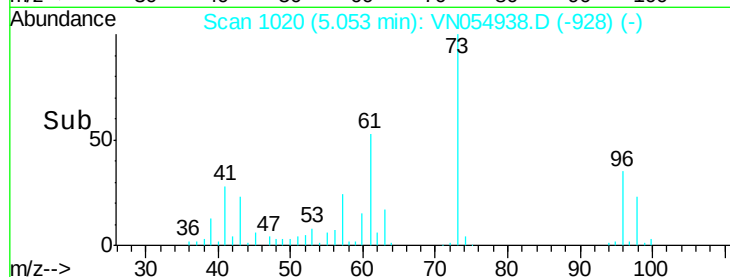
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 19.476 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Tgt Ion: 84 Resp: 102903

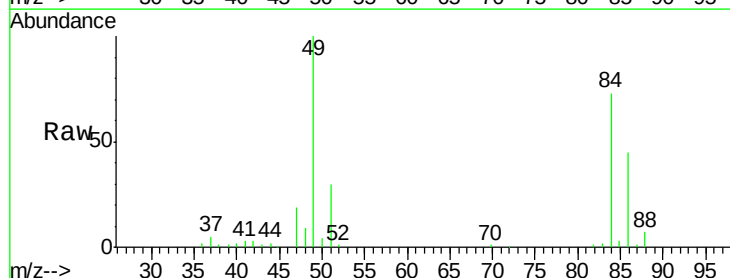
Ion Ratio Lower Upper

84 100

49 136.6 112.1 168.1

51 40.4 34.5 51.7

86 61.4 52.2 78.4



Abundance Ion 83.90 (83.60 to 84.60): VN054939.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN054939.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN054939.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN054939.D (-841) (-)

4.55

60000

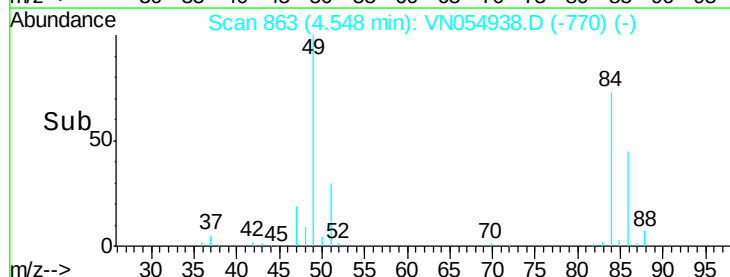
40000

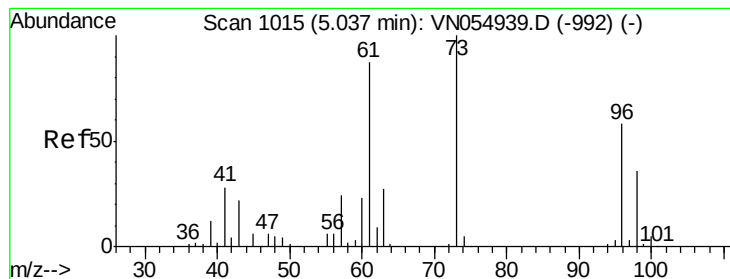
20000

0

Time-->

4.50 4.60





#21

trans-1,2-Dichloroethene

Concen: 20.076 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

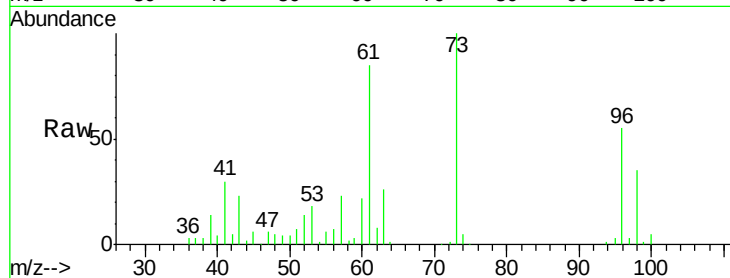
Tgt Ion: 96 Resp: 95253

Ion Ratio Lower Upper

96 100

61 155.5 120.1 180.1

98 63.8 49.3 73.9

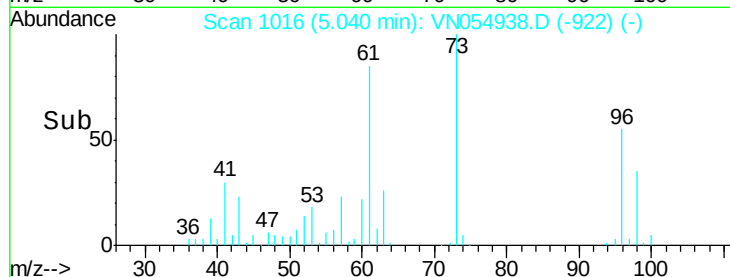


Abundance Ion 95.90 (95.60 to 96.60): VN054938.D (-992) (-)

Ion 60.90 (60.60 to 61.60): VN054938.D (-992) (-)

Ion 97.90 (97.60 to 98.60): VN054938.D (-992) (-)

Time-->



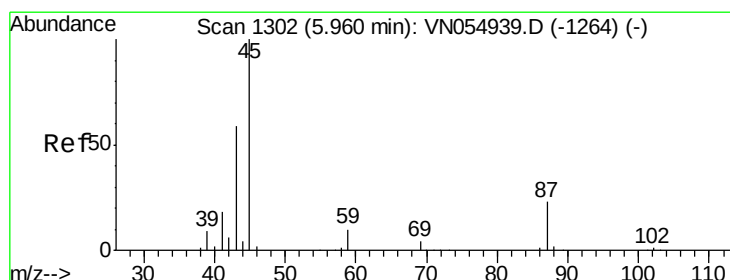
Abundance

Ion 95.90 (95.60 to 96.60): VN054938.D (-992) (-)

Ion 60.90 (60.60 to 61.60): VN054938.D (-992) (-)

Ion 97.90 (97.60 to 98.60): VN054938.D (-992) (-)

Time-->



#22

Diisopropyl ether

Concen: 20.155 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Tgt Ion: 45 Resp: 349667

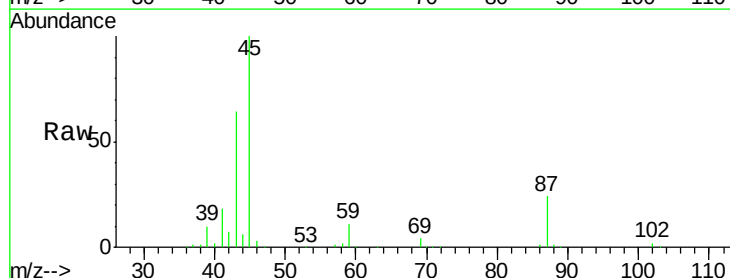
Ion Ratio Lower Upper

45 100

43 61.7 46.9 70.3

87 23.7 18.6 28.0

59 10.6 8.5 12.7



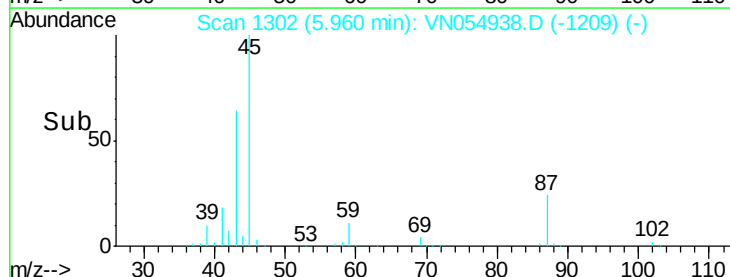
Abundance Ion 45.00 (44.70 to 45.70): VN054938.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN054938.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN054938.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN054938.D (-1264) (-)

Time-->



Abundance

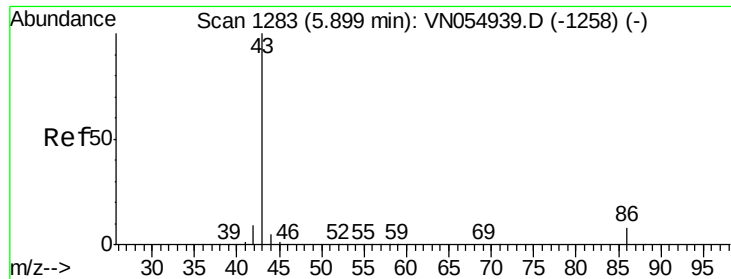
Ion 45.00 (44.70 to 45.70): VN054938.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN054938.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN054938.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN054938.D (-1264) (-)

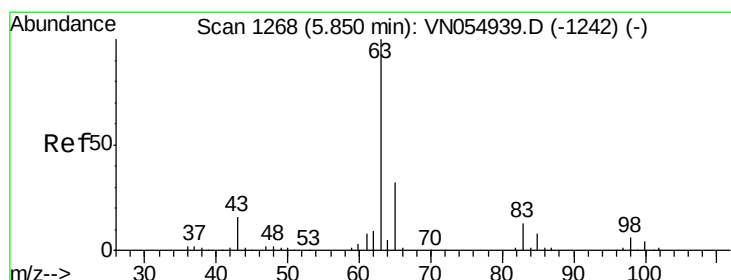
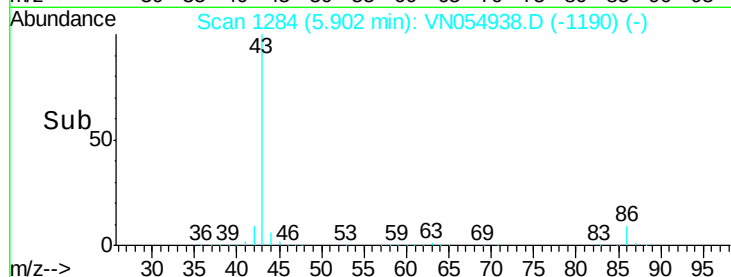
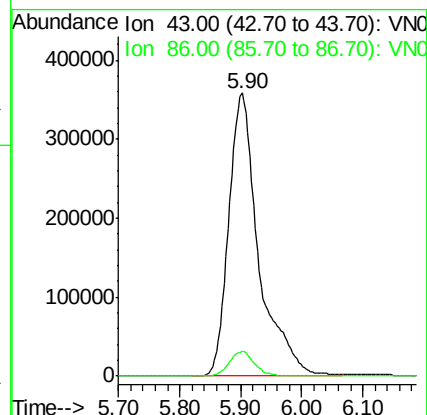
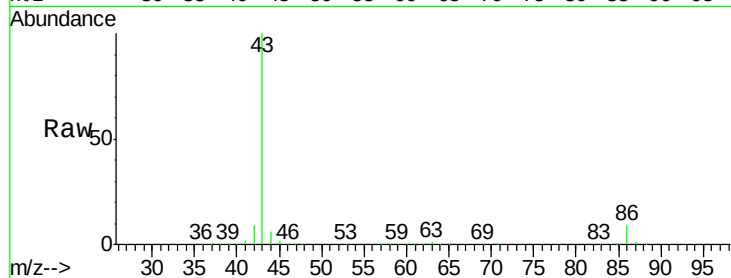
Time-->



#23
 Vinyl Acetate
 Concen: 101.402 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

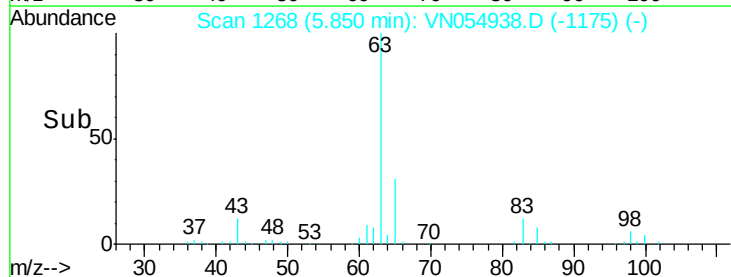
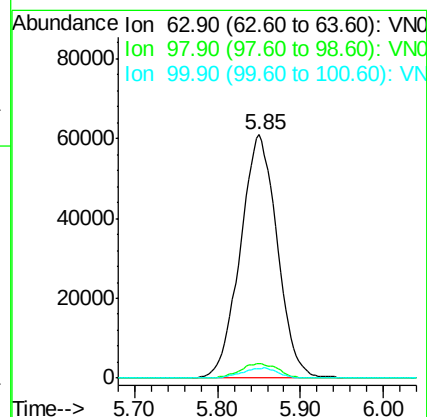
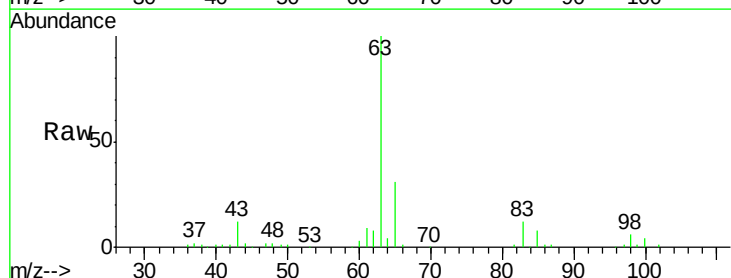
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

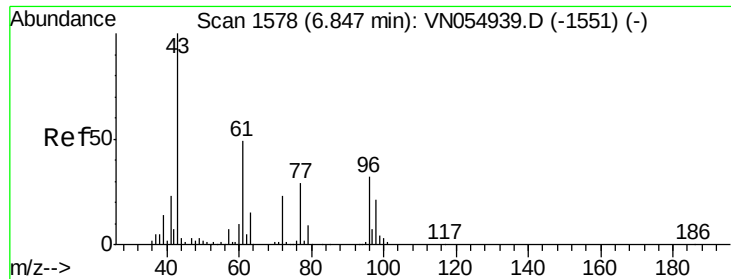
Tgt Ion: 43 Resp: 1224132
 Ion Ratio Lower Upper
 43 100
 86 8.6 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 19.922 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

Tgt Ion: 63 Resp: 188478
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.7
 100 3.9 2.1 6.2





#25

2-Butanone

Concen: 108.351 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

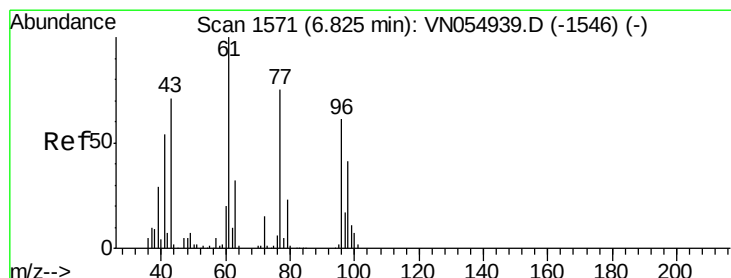
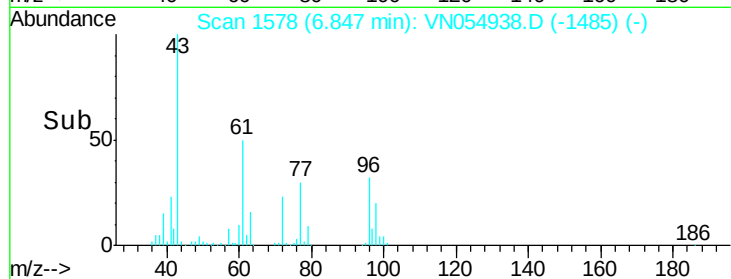
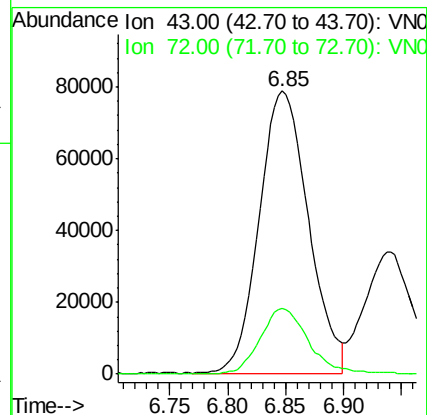
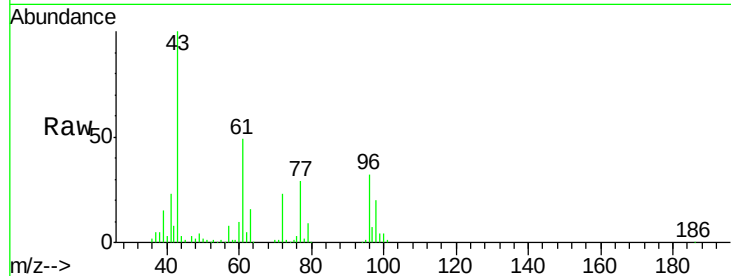
VSTDIC020

Tgt Ion: 43 Resp: 231620

Ion Ratio Lower Upper

43 100

72 23.3 18.3 27.5



#26

2,2-Dichloropropane

Concen: 19.402 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054938.D

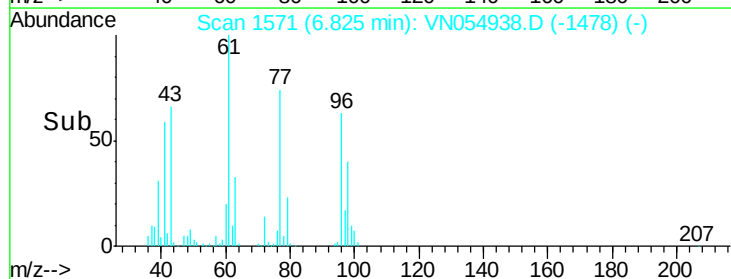
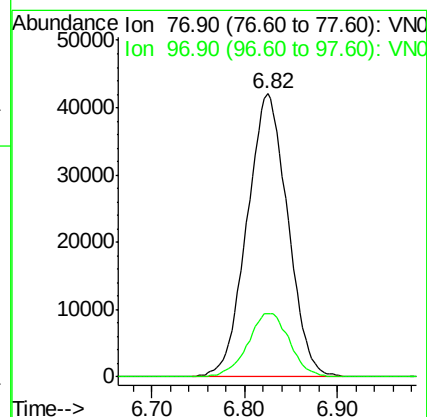
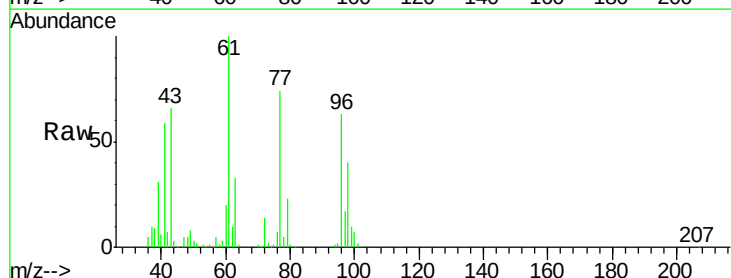
Acq: 4 Apr 2019 10:39

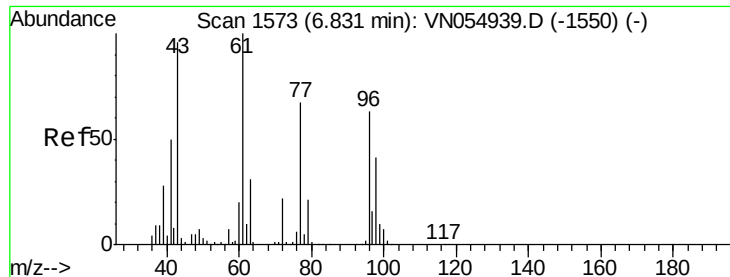
Tgt Ion: 77 Resp: 128680

Ion Ratio Lower Upper

77 100

97 22.9 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.134 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

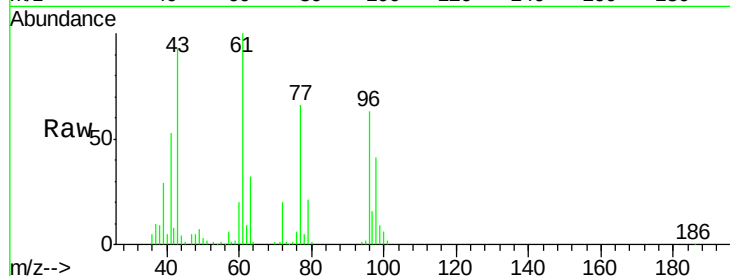
Tgt Ion: 96 Resp: 108565

Ion Ratio Lower Upper

96 100

61 156.8 0.0 316.2

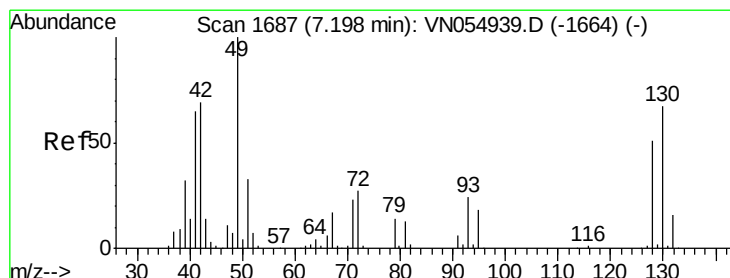
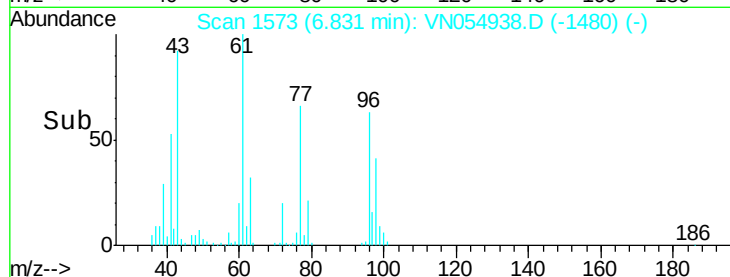
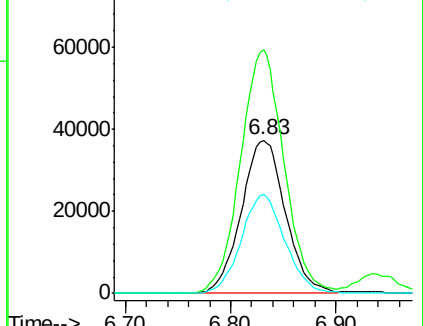
98 64.0 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN054938.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN054938.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN054938.D (-1480) (-)



#28

Bromochloromethane

Concen: 19.206 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

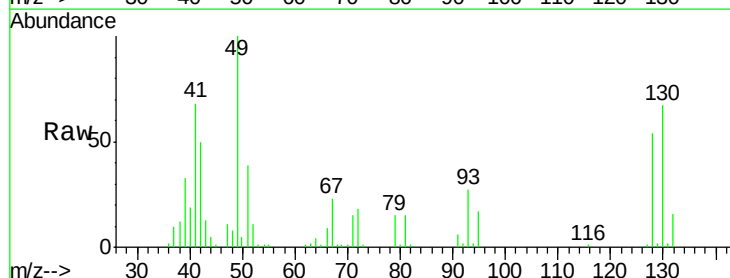
Tgt Ion: 49 Resp: 85125

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

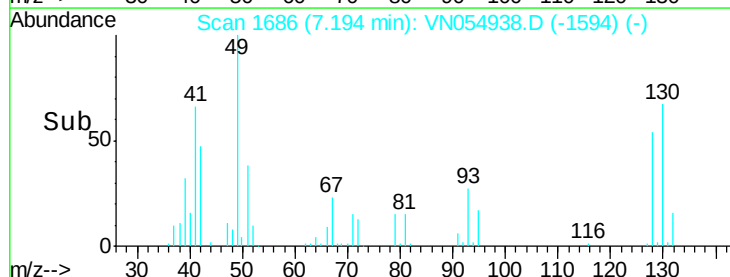
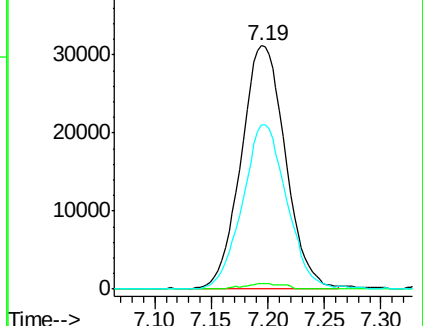
130 67.1 53.1 79.7

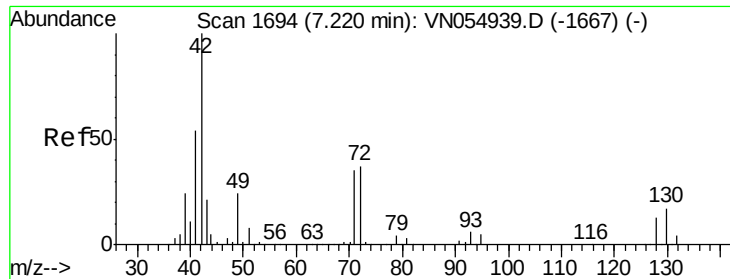


Abundance Ion 48.90 (48.60 to 49.60): VN054938.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN054938.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN054938.D (-1594) (-)

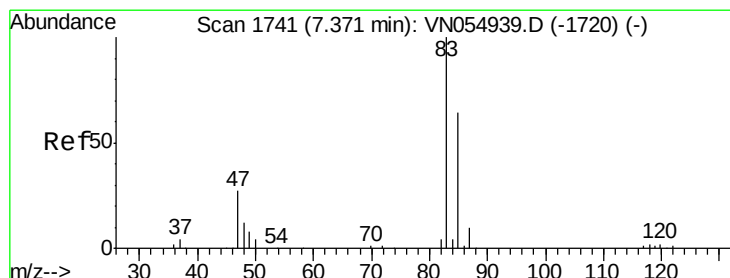
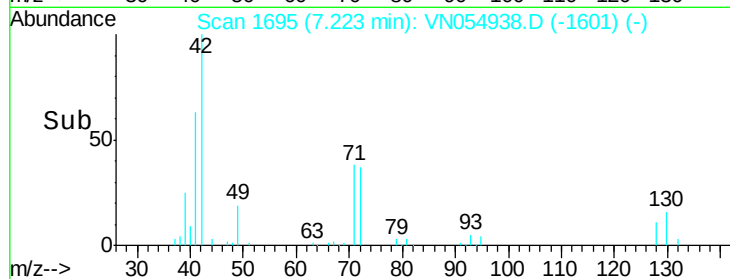
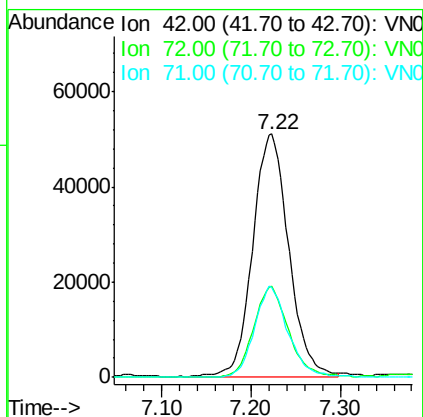
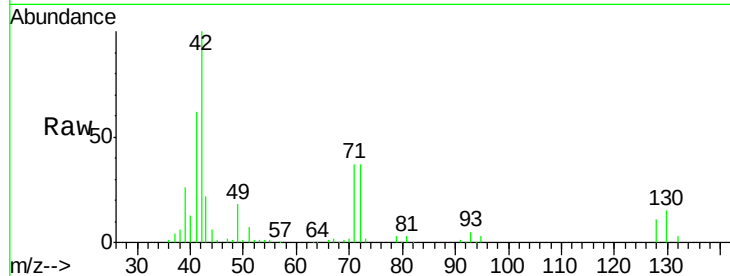




#29
Tetrahydrofuran
Concen: 101.831 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

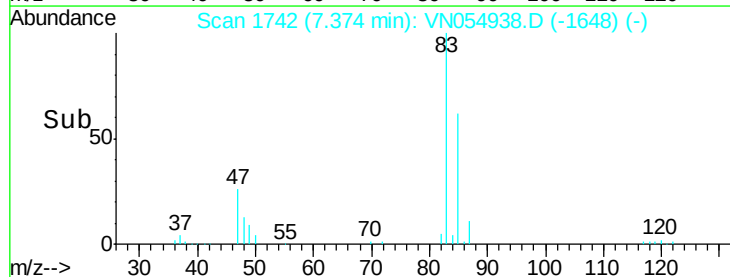
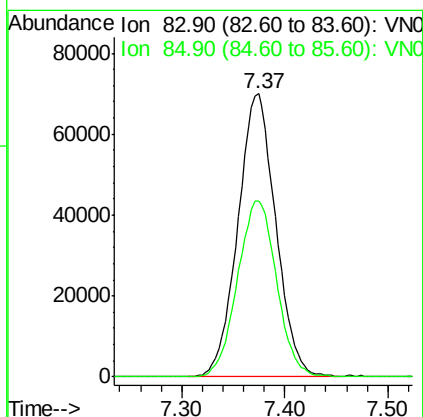
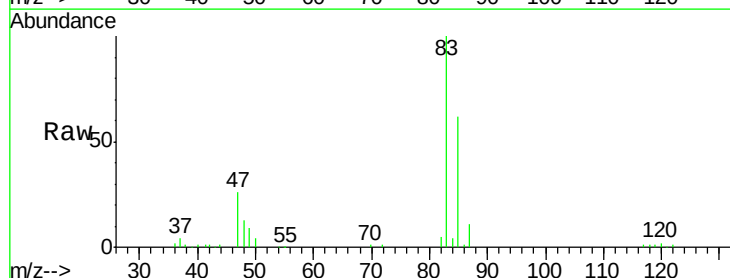
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

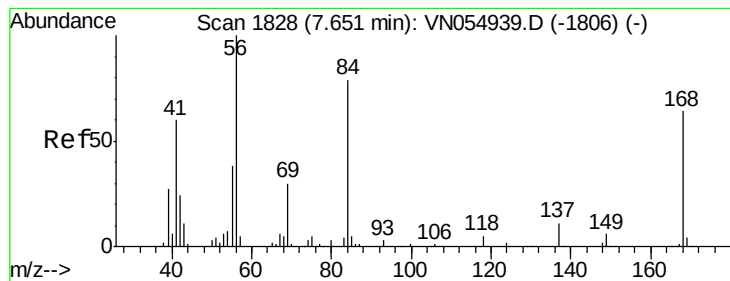
Tgt Ion: 42 Resp: 142680
Ion Ratio Lower Upper
42 100
72 36.6 29.3 43.9
71 35.1 27.8 41.6



#30
Chloroform
Concen: 19.944 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

Tgt Ion: 83 Resp: 178818
Ion Ratio Lower Upper
83 100
85 62.3 51.4 77.0





#31

Cyclohexane

Concen: 17.294 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

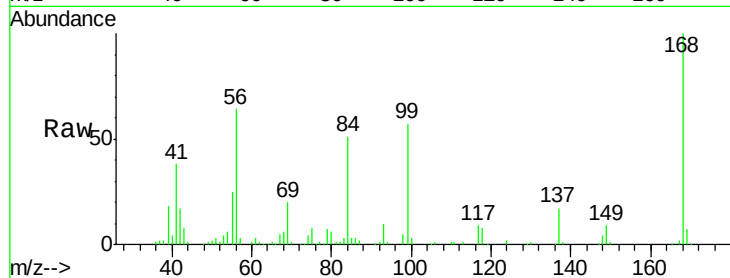
Tgt Ion: 56 Resp: 186826

Ion Ratio Lower Upper

56 100

69 31.7 23.8 35.6

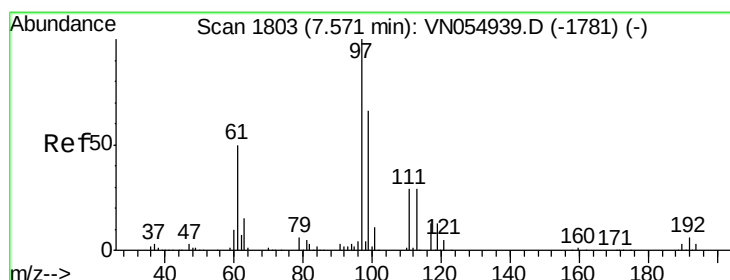
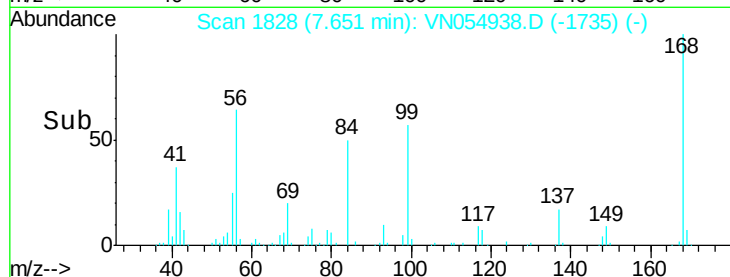
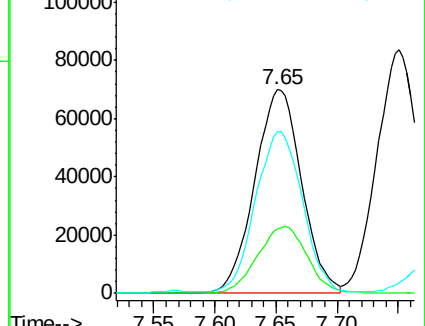
84 78.8 61.8 92.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.698 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

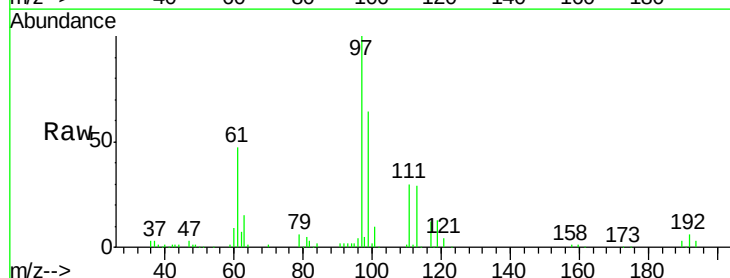
Tgt Ion: 97 Resp: 149037

Ion Ratio Lower Upper

97 100

99 63.5 52.1 78.1

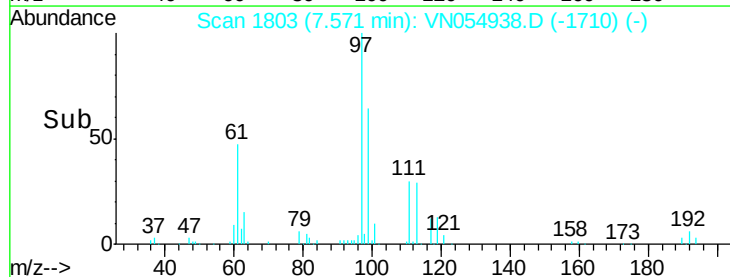
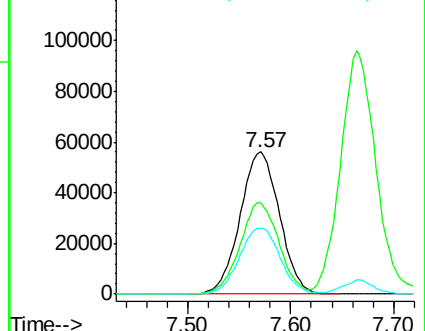
61 48.1 39.6 59.4

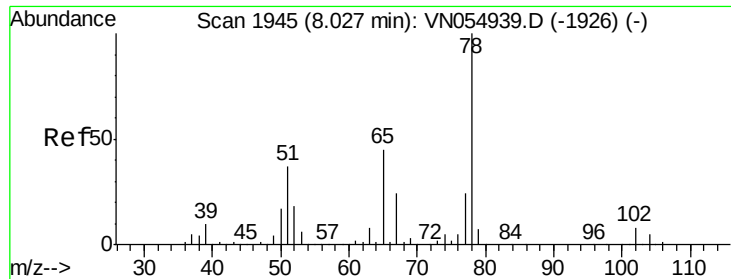


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

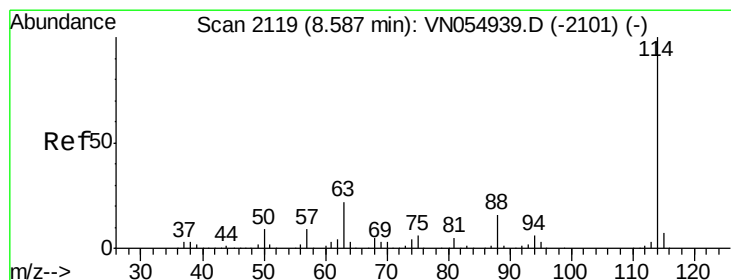
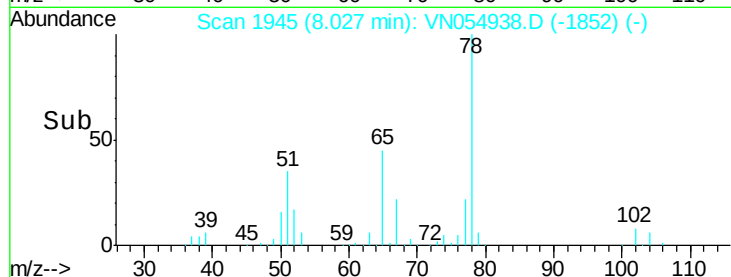
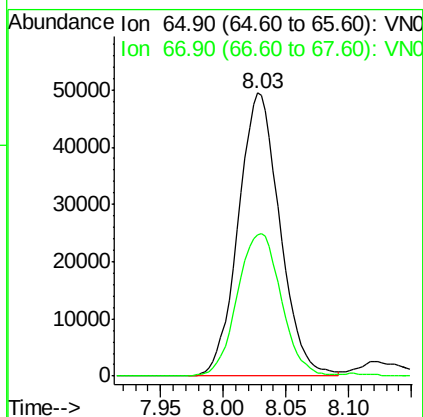
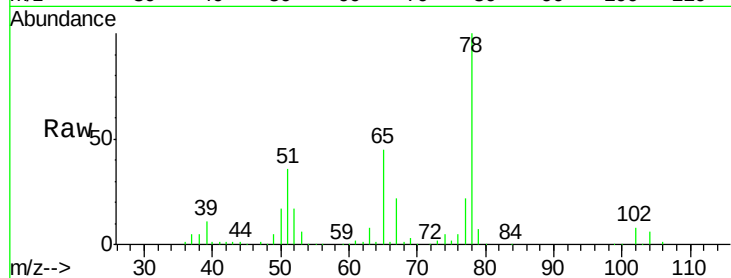




#33
 1,2-Dichloroethane-d4
 Concen: 20.078 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

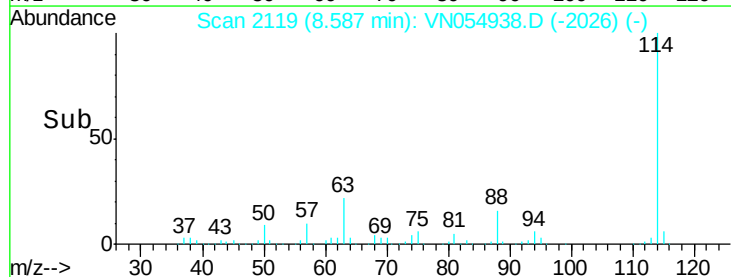
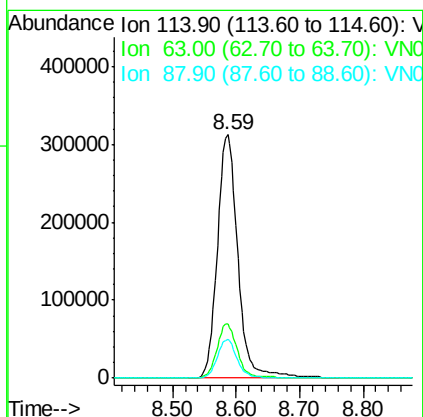
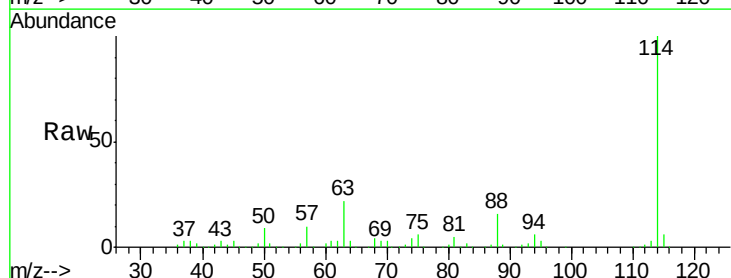
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

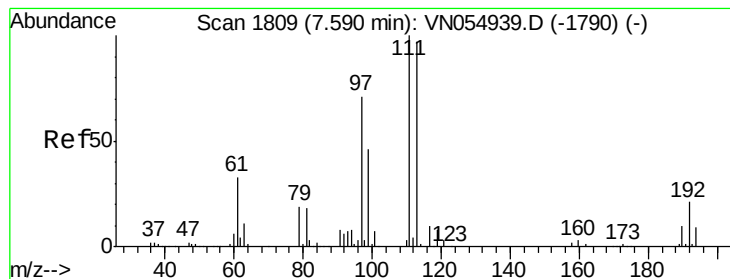
Tgt Ion: 65 Resp: 114304
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

Tgt Ion: 114 Resp: 701348
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.6
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 19.834 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

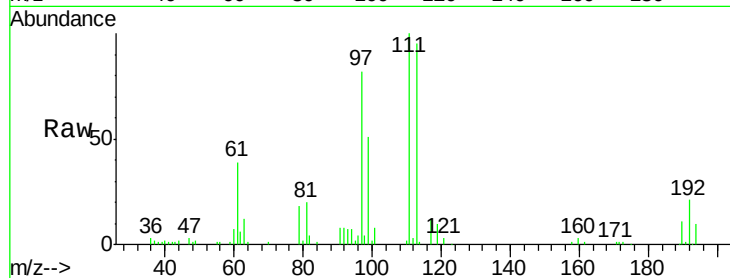
Tgt Ion:113 Resp: 90552

Ion Ratio Lower Upper

113 100

111 103.5 81.0 121.4

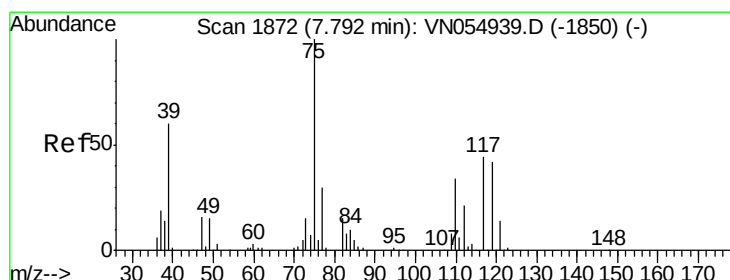
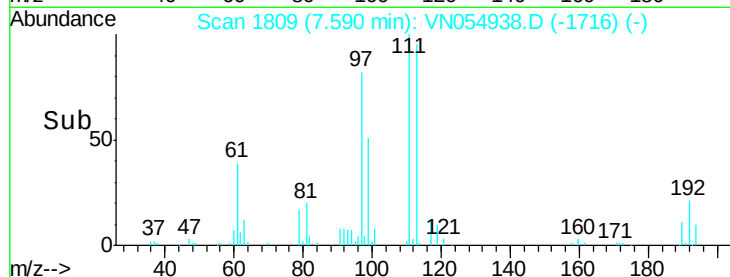
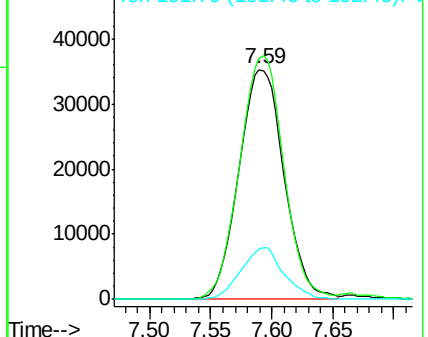
192 21.3 16.5 24.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.540 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

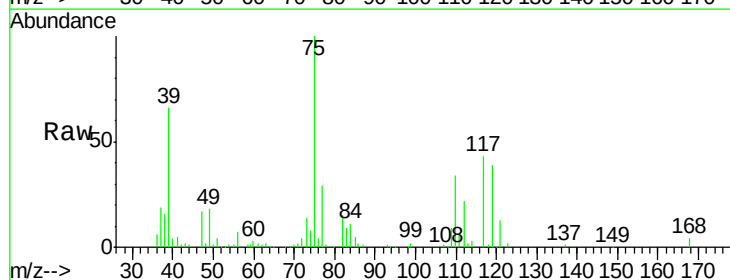
Tgt Ion: 75 Resp: 135789

Ion Ratio Lower Upper

75 100

110 33.9 17.0 50.9

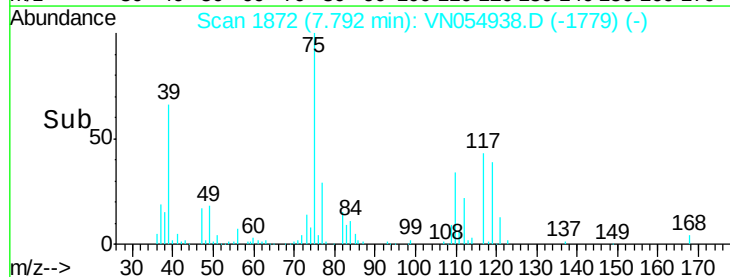
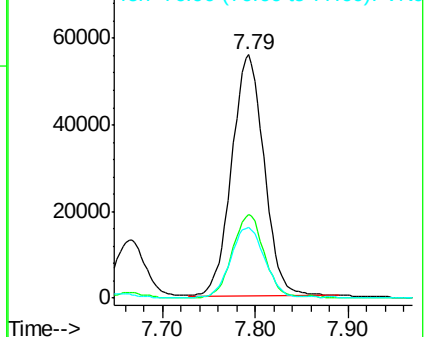
77 31.0 25.3 37.9

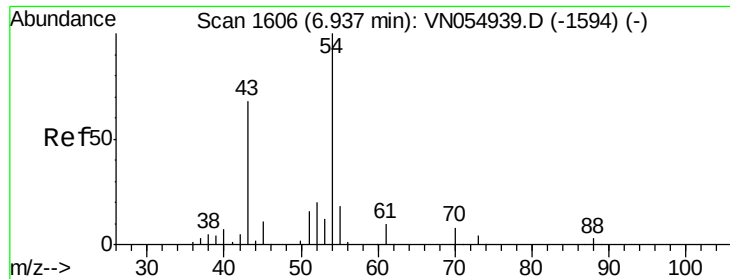


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

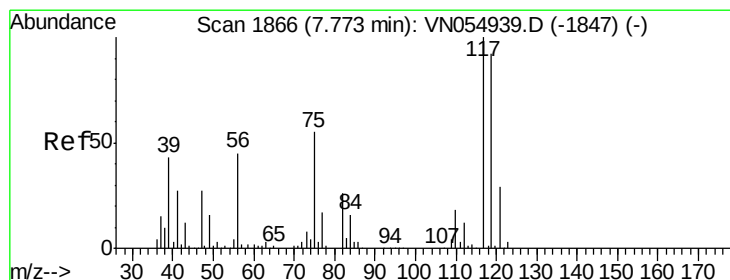
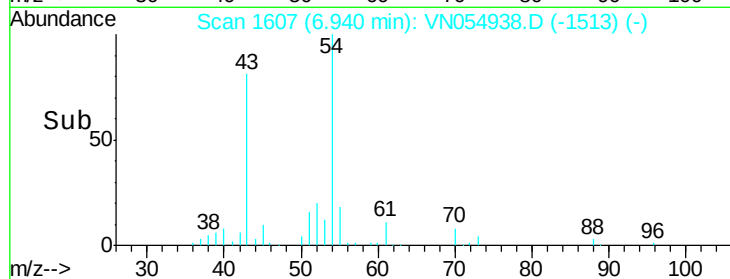
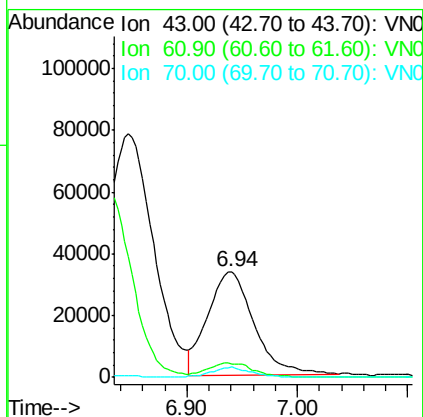
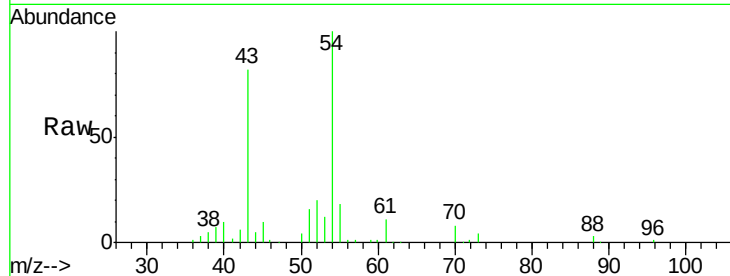




#37
 Ethyl Acetate
 Concen: 20.228 ug/l
 RT: 6.94 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

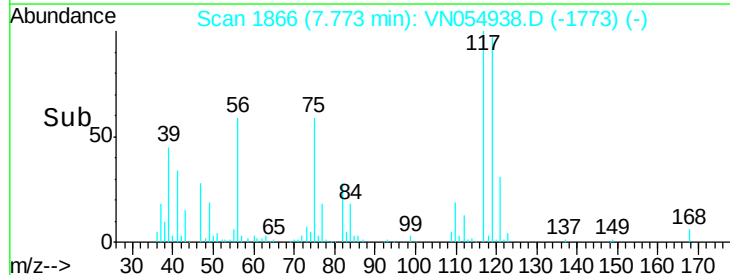
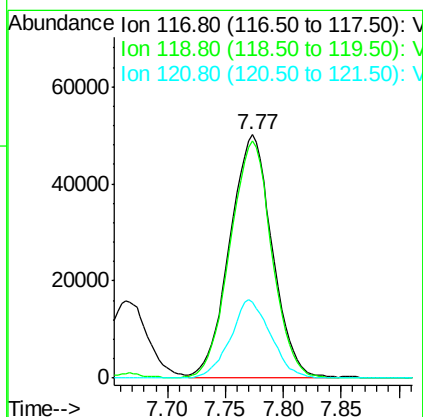
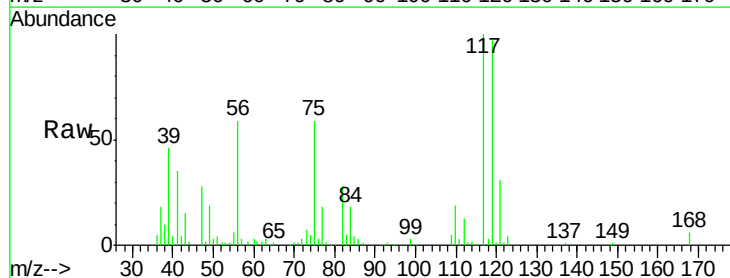
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

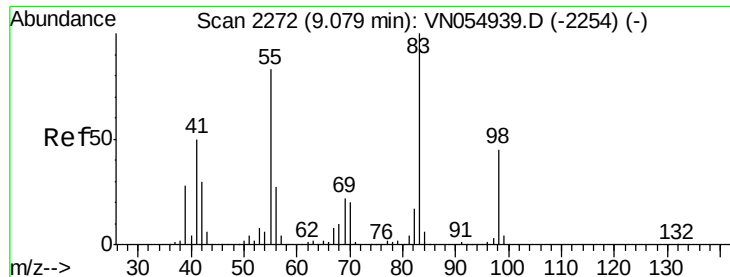
Tgt Ion: 43 Resp: 96464
 Ion Ratio Lower Upper
 43 100
 61 13.4 10.3 15.5
 70 8.5 7.0 10.4



#38
 Carbon Tetrachloride
 Concen: 18.799 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

Tgt Ion: 117 Resp: 126162
 Ion Ratio Lower Upper
 117 100
 119 97.8 73.6 110.4
 121 31.2 23.4 35.0

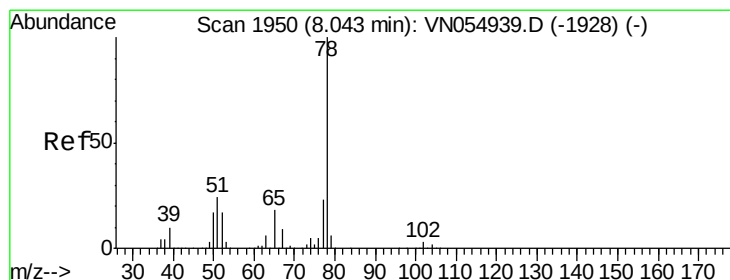
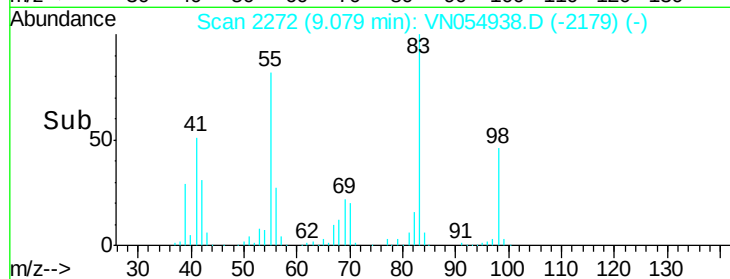
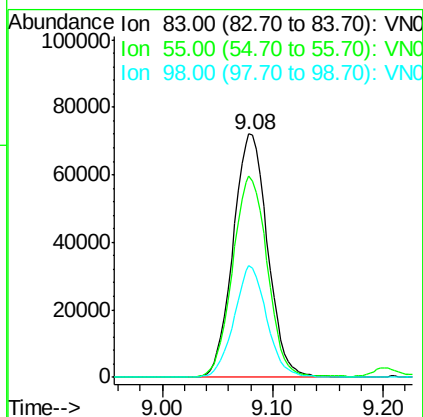
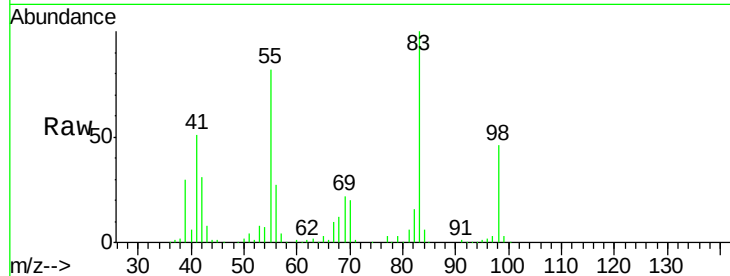




#39
Methylcyclohexane
Concen: 20.467 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

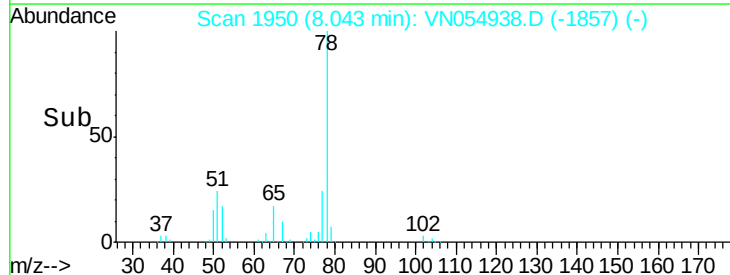
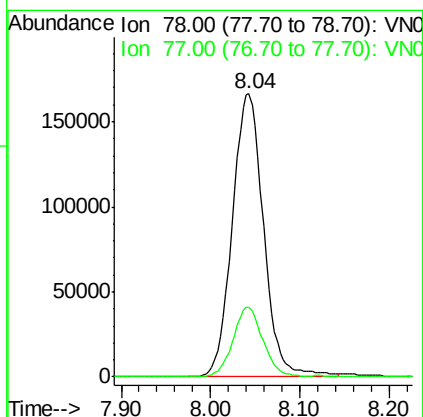
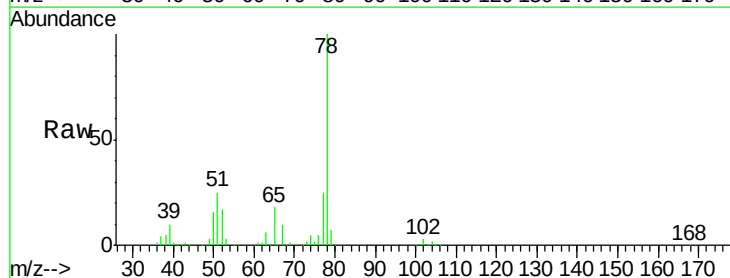
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

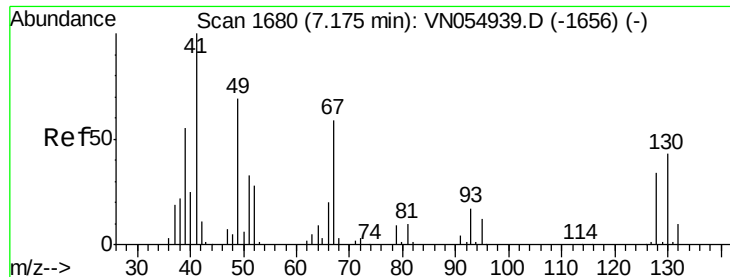
Tgt Ion: 83 Resp: 156474
Ion Ratio Lower Upper
83 100
55 82.5 66.4 99.6
98 46.0 36.4 54.6



#40
Benzene
Concen: 20.282 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

Tgt Ion: 78 Resp: 405560
Ion Ratio Lower Upper
78 100
77 24.5 18.6 27.8

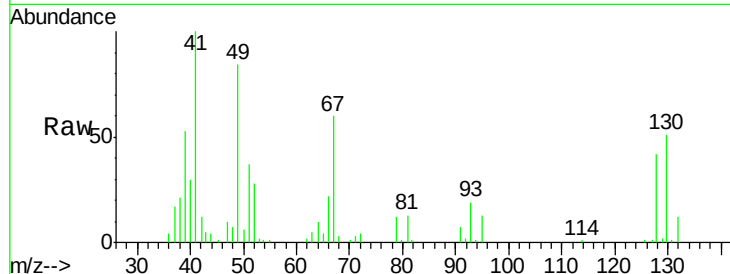




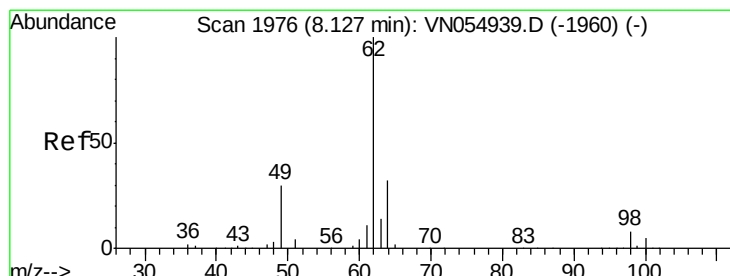
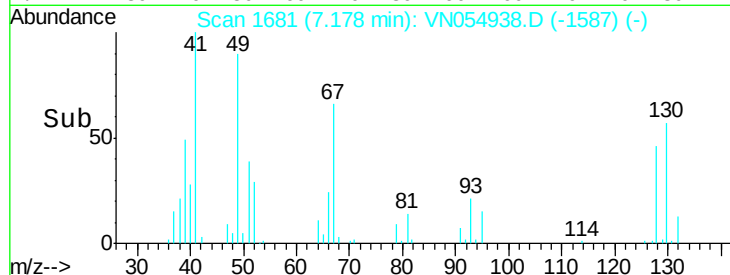
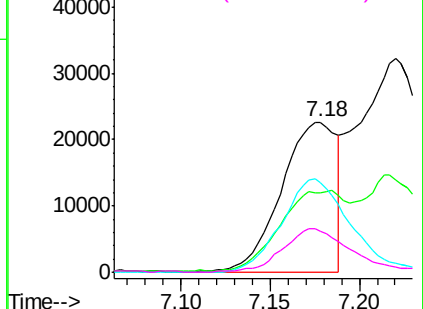
#41
Methacrylonitrile
Concen: 17.809 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion:	41	Resp:	48564
Ion	Ratio	Lower	Upper
41	100		
39	62.8	43.0	64.6
67	77.7	55.0	82.6
52	35.8	24.4	36.6

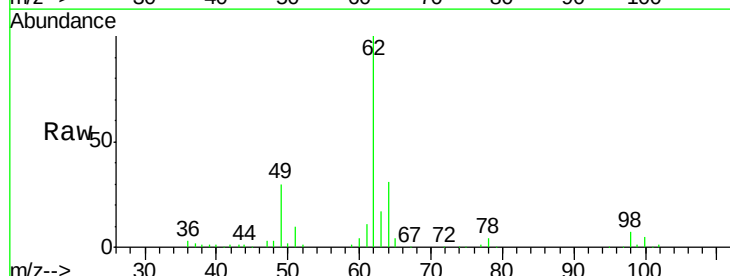


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

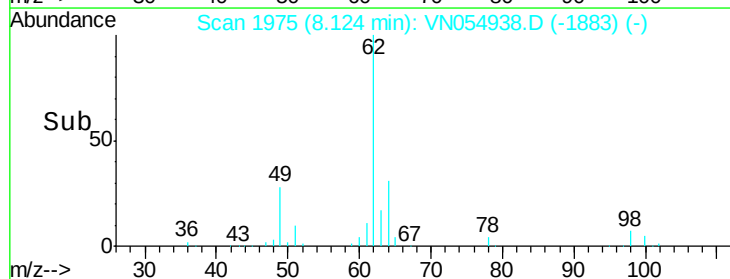
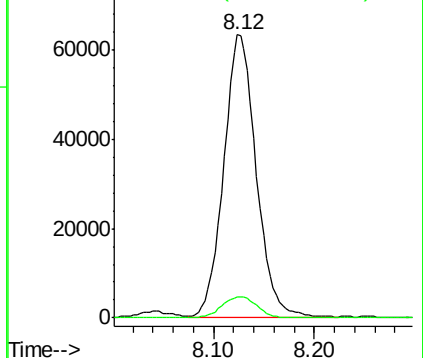


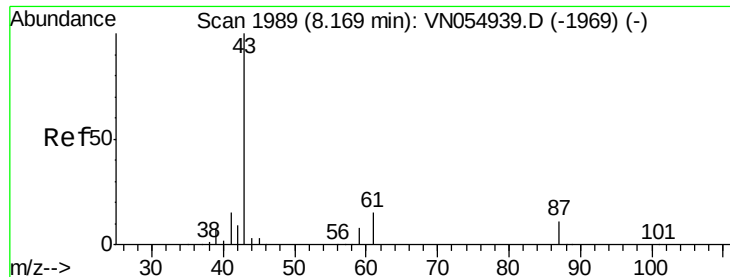
#42
1,2-Dichloroethane
Concen: 20.138 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

Tgt Ion:	62	Resp:	141501
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.353 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

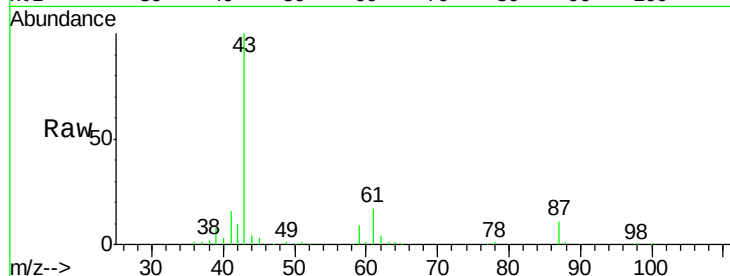
Tgt Ion: 43 Resp: 163582

Ion Ratio Lower Upper

43 100

61 18.2 14.4 21.6

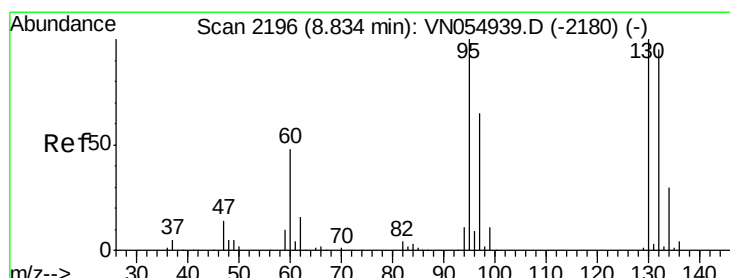
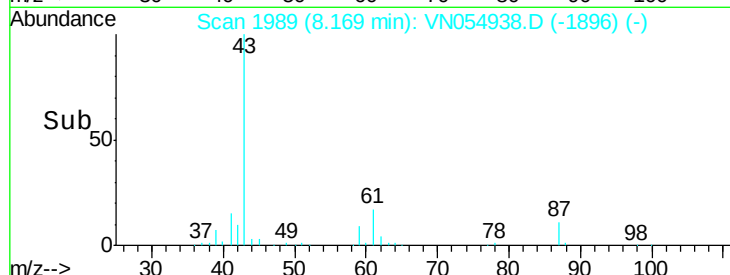
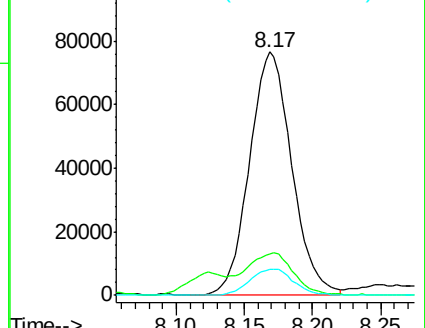
87 11.3 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VN054938.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054938.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054938.D (-1896) (-)



#44

Trichloroethene

Concen: 20.420 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054938.D

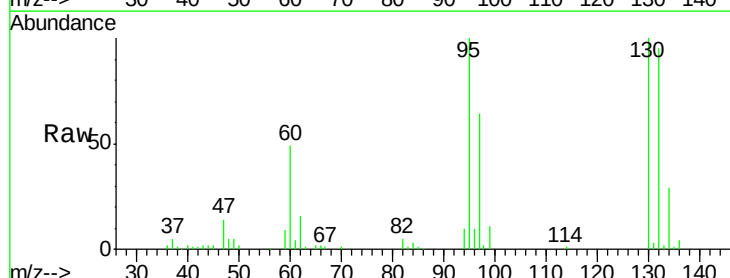
Acq: 4 Apr 2019 10:39

Tgt Ion: 130 Resp: 104403

Ion Ratio Lower Upper

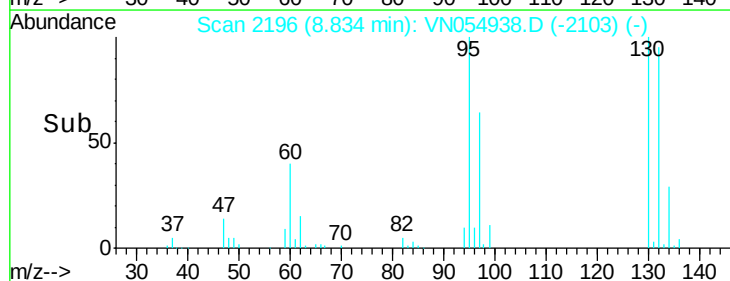
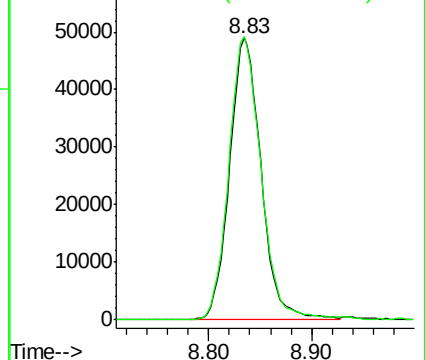
130 100

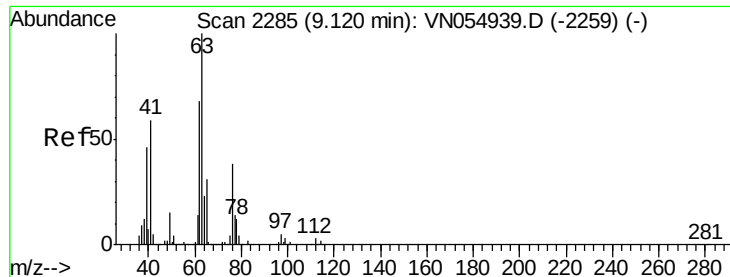
95 100.4 0.0 200.4



Abundance Ion 129.80 (129.50 to 130.50): VN054938.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054938.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 20.330 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

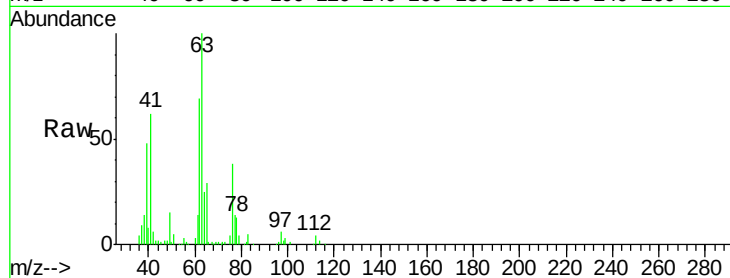
VSTDIC020

Tgt Ion: 63 Resp: 113271

Ion Ratio Lower Upper

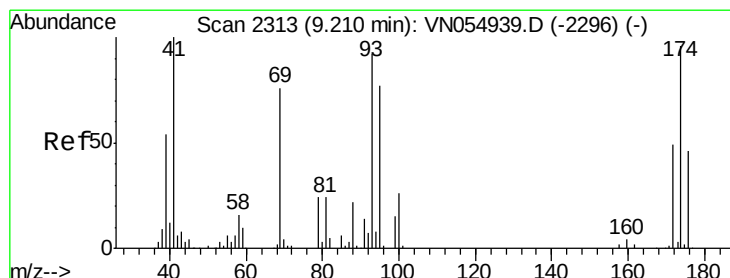
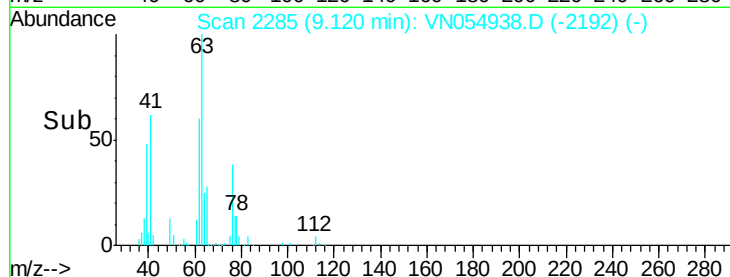
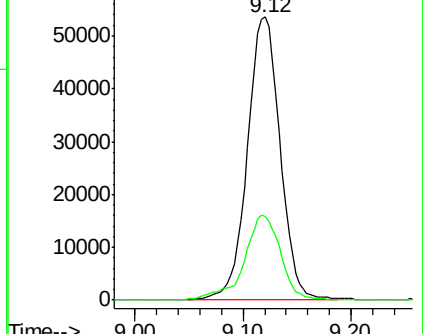
63 100

65 29.4 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.958 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

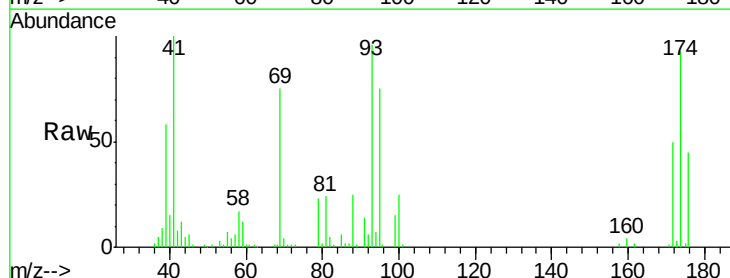
Tgt Ion: 93 Resp: 66216

Ion Ratio Lower Upper

93 100

95 80.0 66.7 100.1

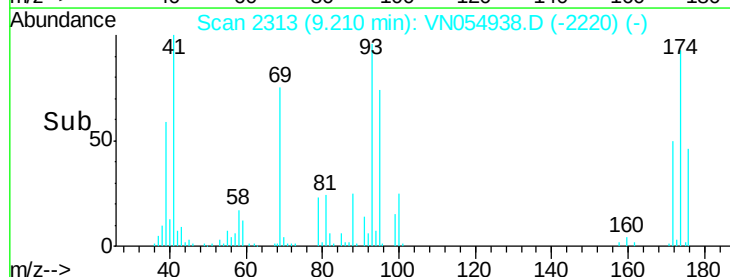
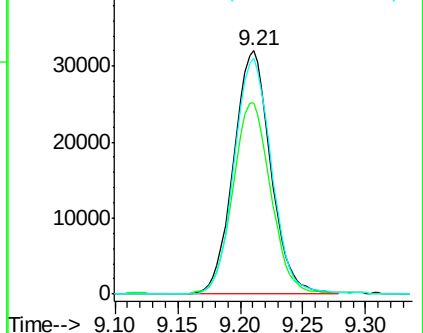
174 97.3 82.0 123.0

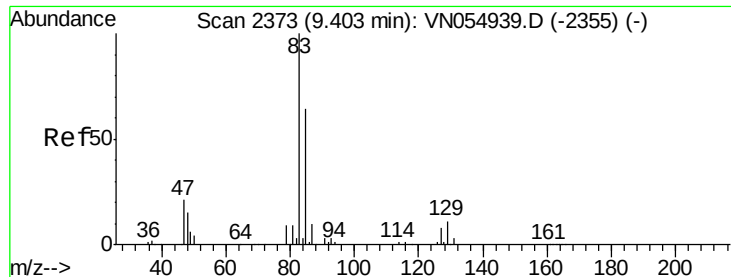


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

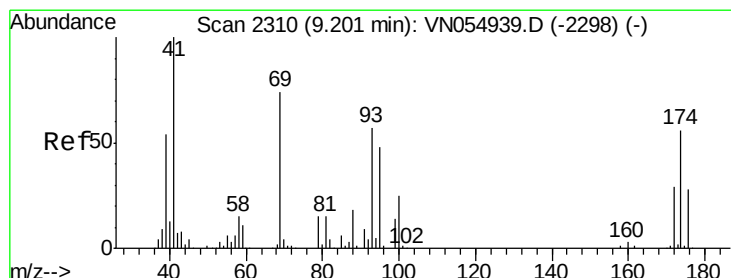
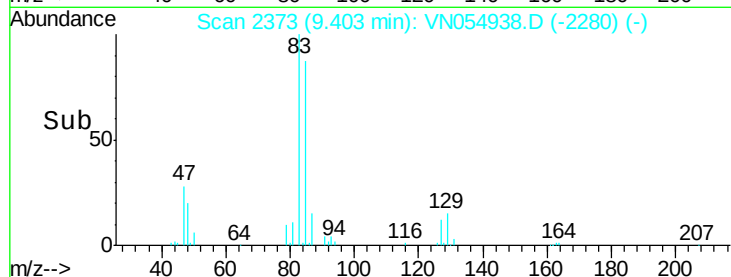
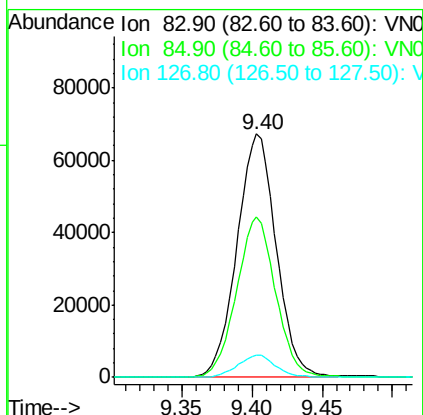
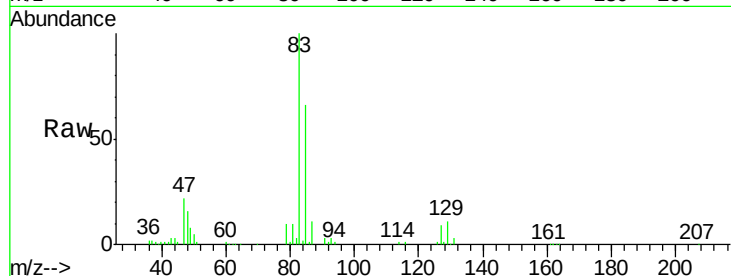




#47
Bromodichloromethane
Concen: 19.747 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

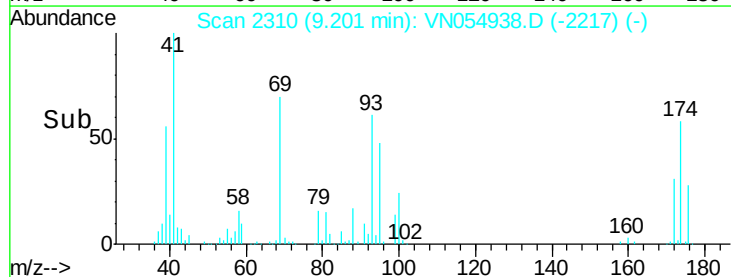
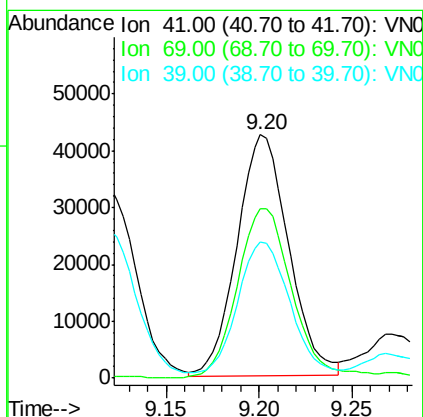
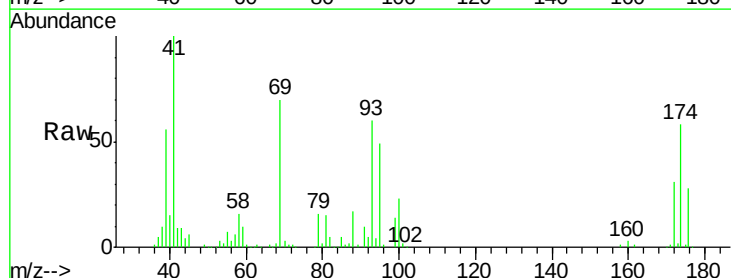
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

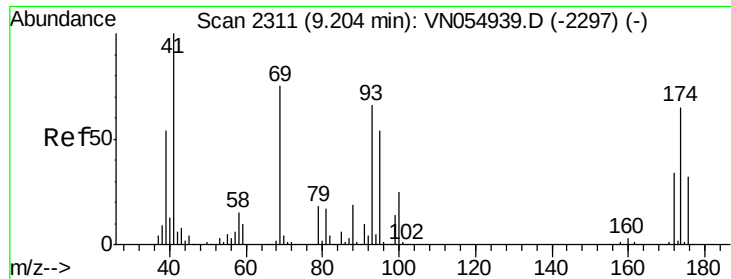
Tgt Ion: 83 Resp: 131044
Ion Ratio Lower Upper
83 100
85 65.7 51.1 76.7
127 9.0 6.7 10.1



#48
Methyl methacrylate
Concen: 20.092 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

Tgt Ion: 41 Resp: 81747
Ion Ratio Lower Upper
41 100
69 74.7 58.9 88.3
39 57.7 44.2 66.4

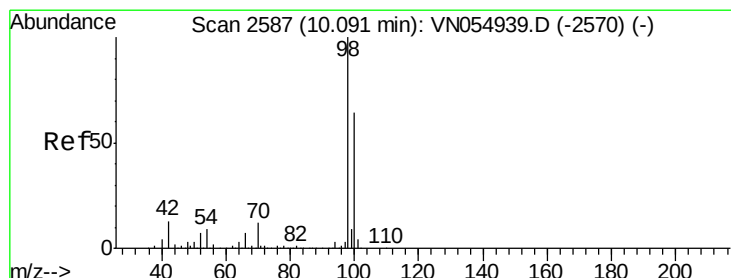
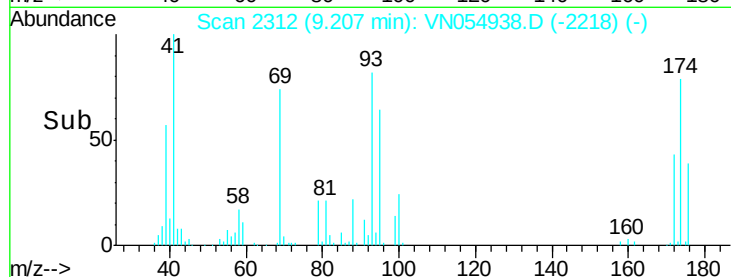
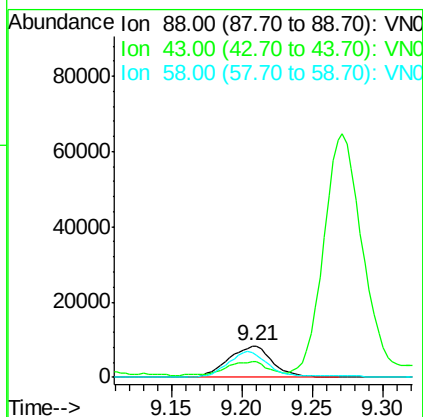
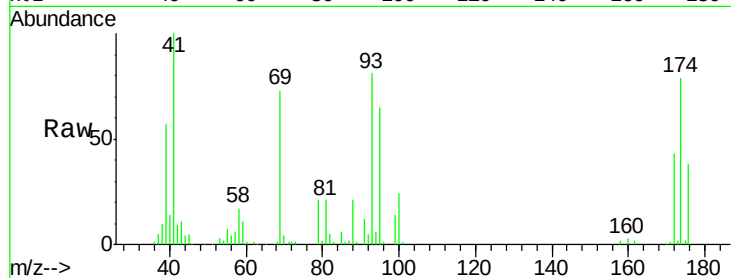




#49
1,4-Dioxane
Concen: 438.818 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

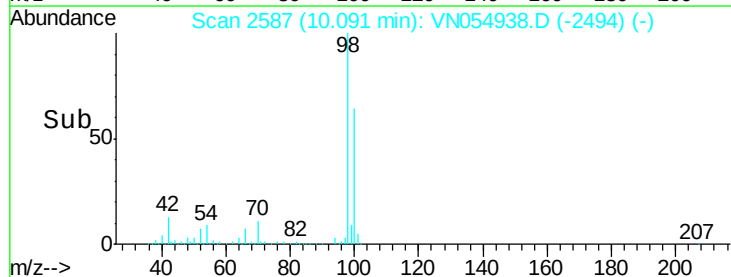
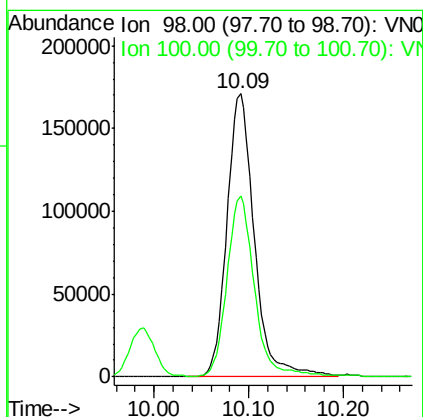
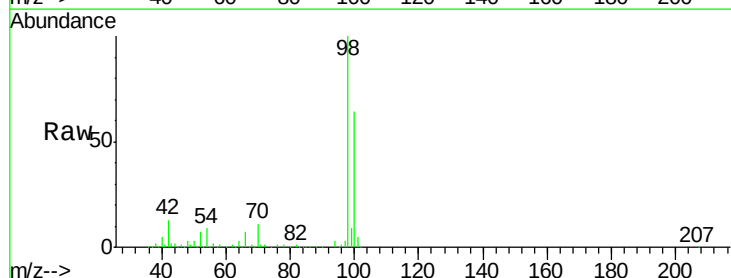
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

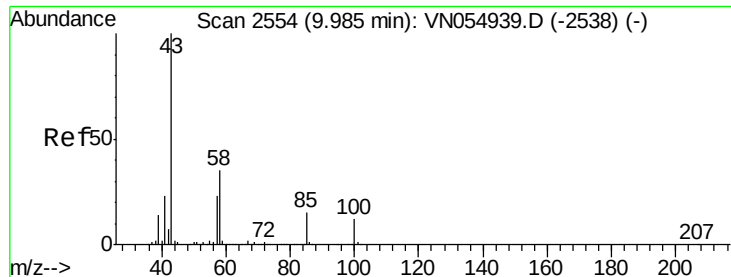
Tgt Ion: 88 Resp: 18021
Ion Ratio Lower Upper
88 100
43 42.9 31.5 47.3
58 74.8 61.9 92.9



#50
Toluene-d8
Concen: 19.923 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

Tgt Ion: 98 Resp: 345133
Ion Ratio Lower Upper
98 100
100 62.9 51.5 77.3

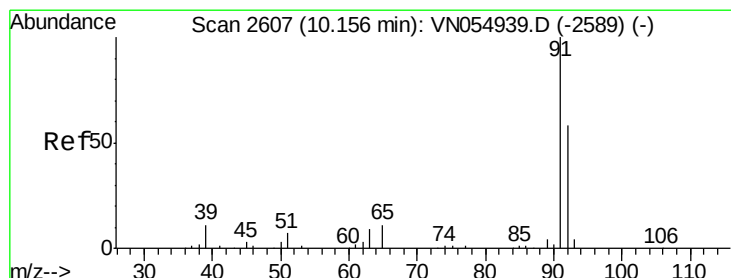
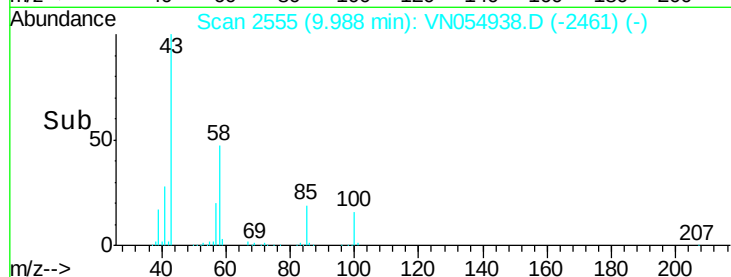
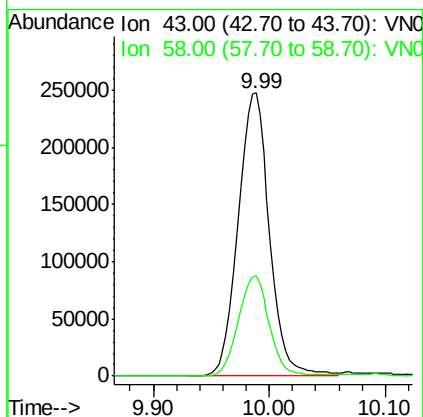
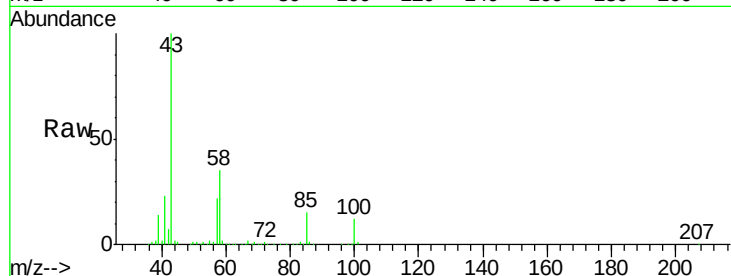




#51
 4-Methyl-2-Pentanone
 Concen: 102.428 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

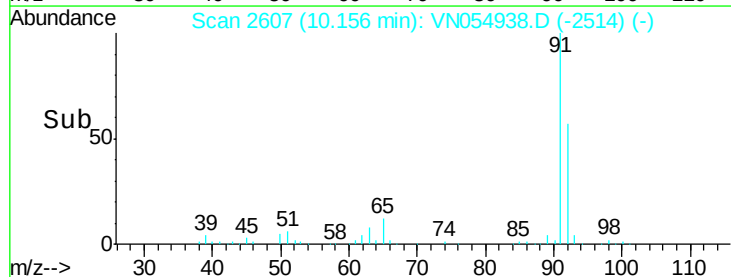
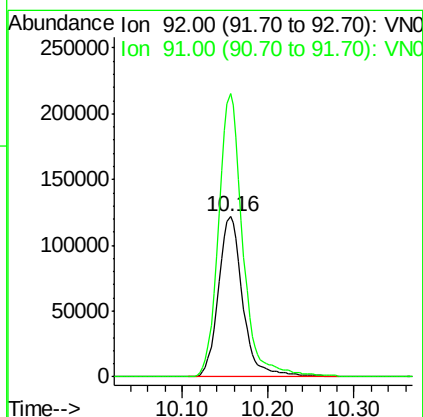
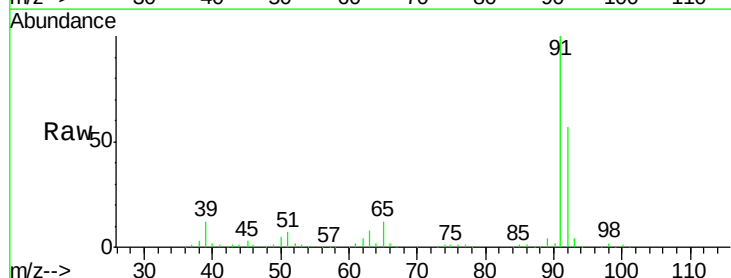
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

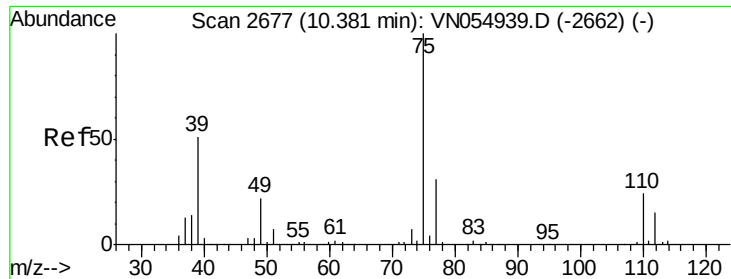
Tgt Ion: 43 Resp: 459259
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.3 42.5



#52
 Toluene
 Concen: 20.539 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

Tgt Ion: 92 Resp: 242084
 Ion Ratio Lower Upper
 92 100
 91 174.9 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 19.474 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

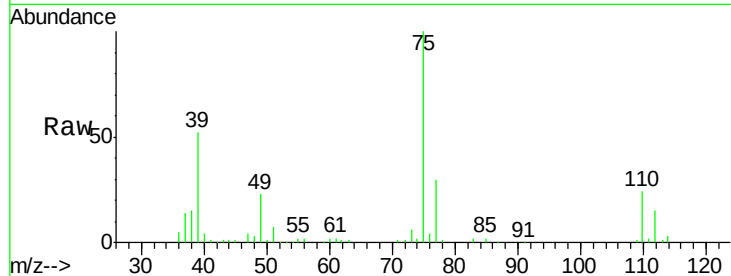
VSTDIC020

Tgt Ion: 75 Resp: 119271

Ion Ratio Lower Upper

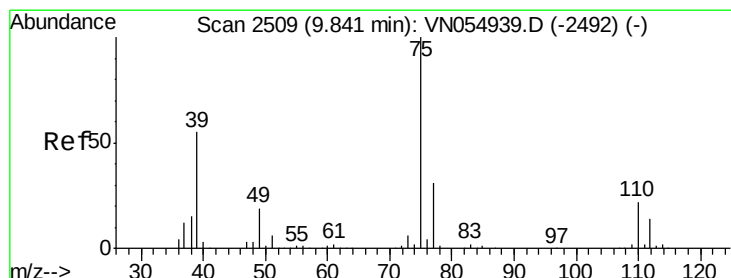
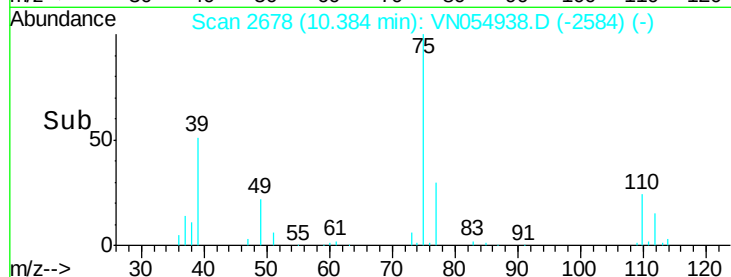
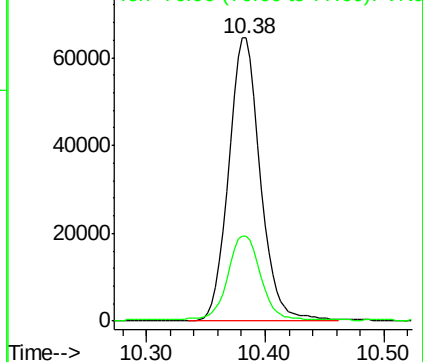
75 100

77 29.5 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.211 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

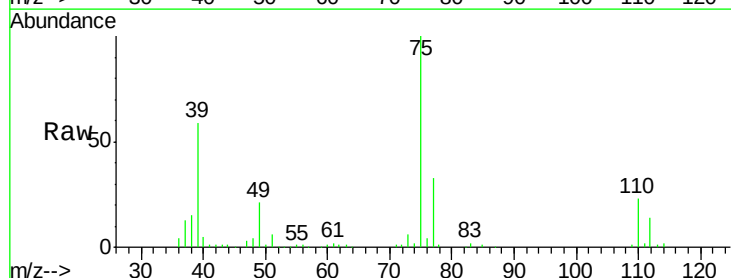
Tgt Ion: 75 Resp: 150951

Ion Ratio Lower Upper

75 100

77 32.8 25.0 37.4

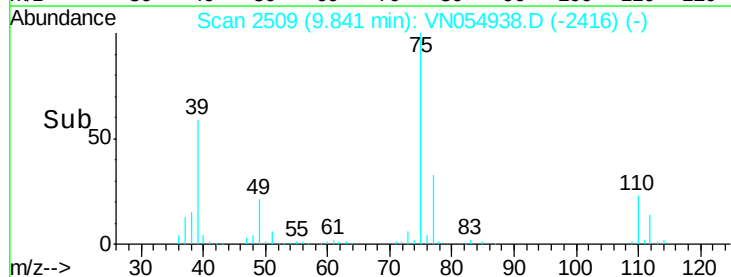
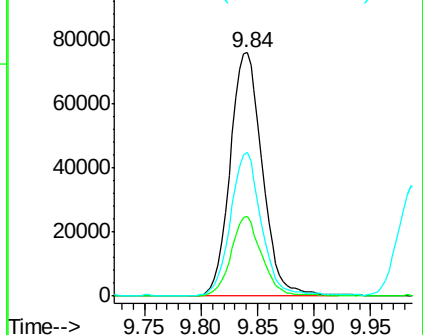
39 58.9 43.9 65.9

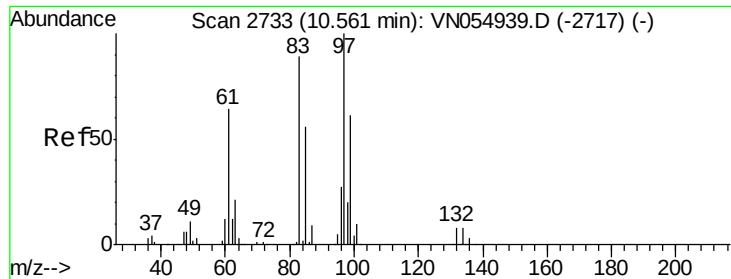


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.286 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tgt Ion: 97 Resp: 86688

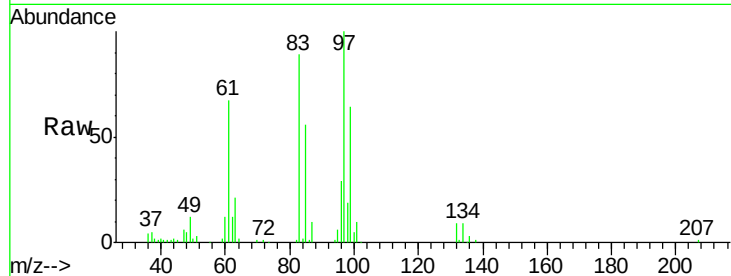
Ion Ratio Lower Upper

97 100

83 89.2 71.5 107.3

85 55.9 45.0 67.6

99 63.7 49.1 73.7

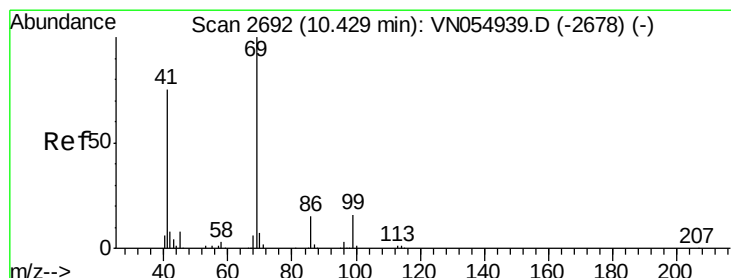
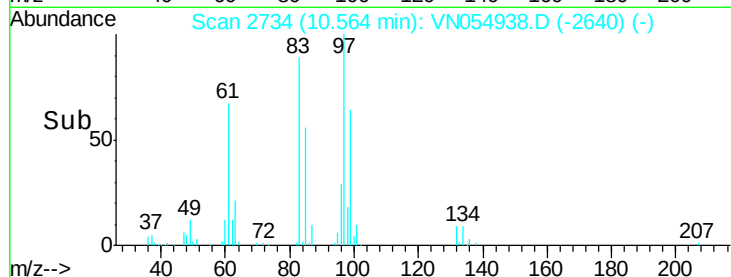
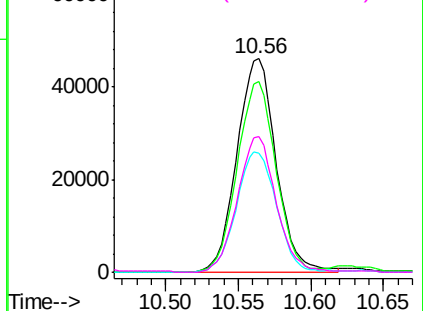


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.683 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

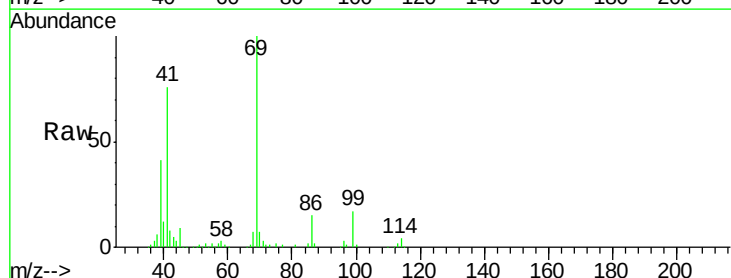
Tgt Ion: 69 Resp: 109977

Ion Ratio Lower Upper

69 100

41 75.3 60.2 90.2

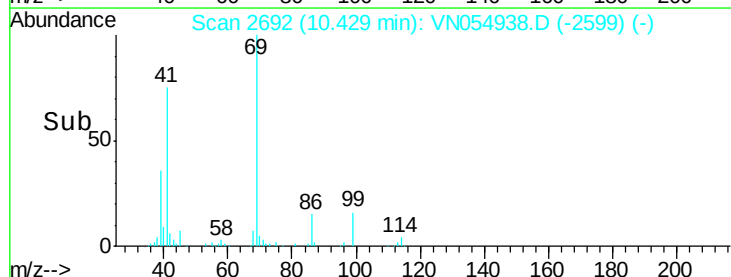
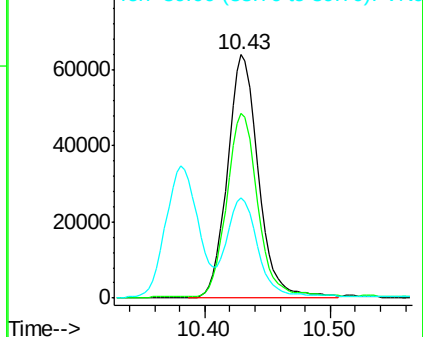
39 39.8 31.3 46.9

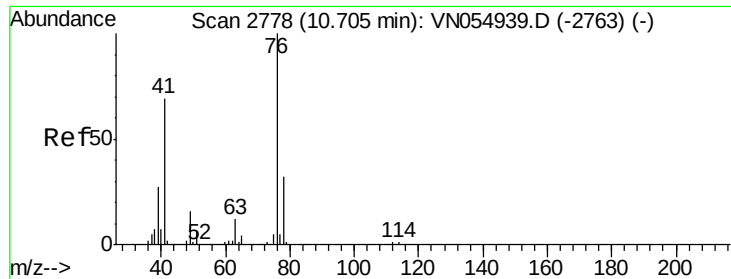


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

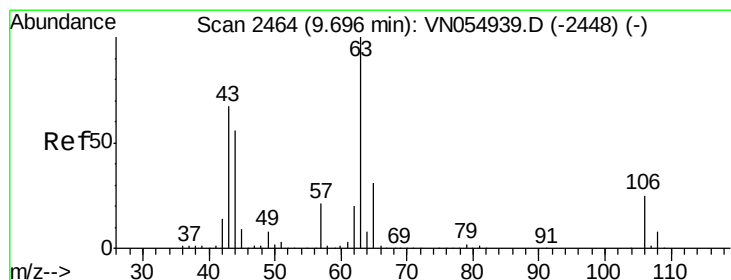
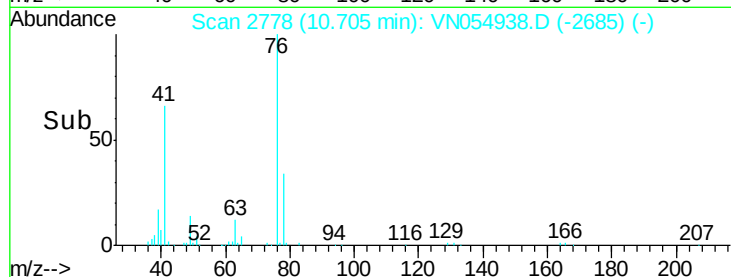
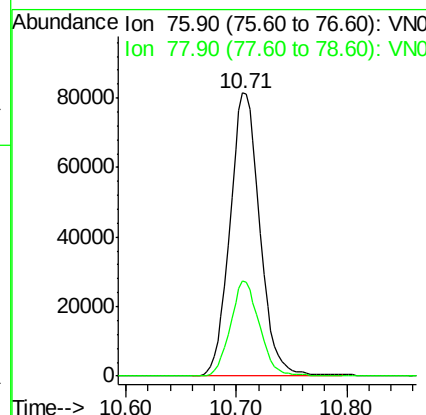
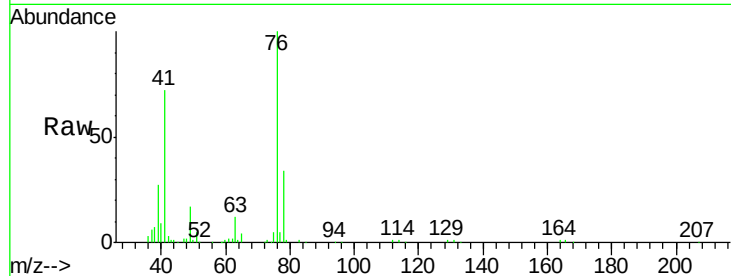




#57
 1,3-Dichloropropane
 Concen: 20.555 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

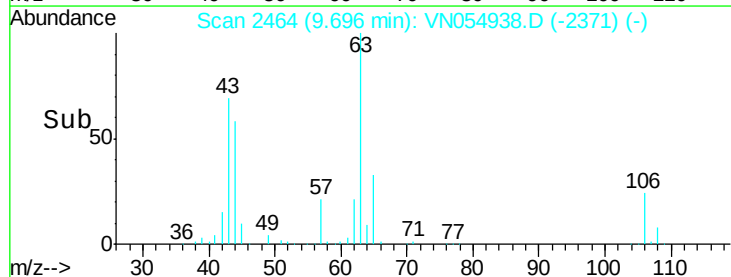
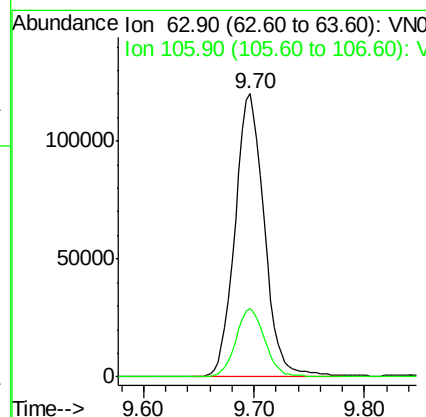
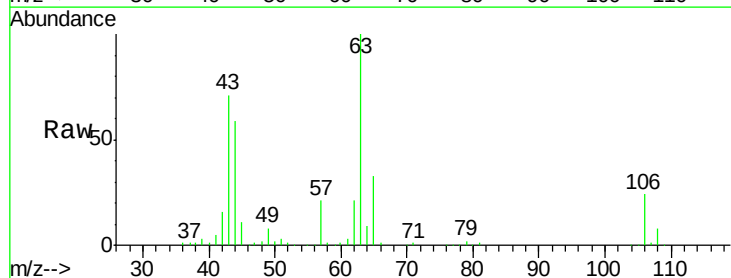
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

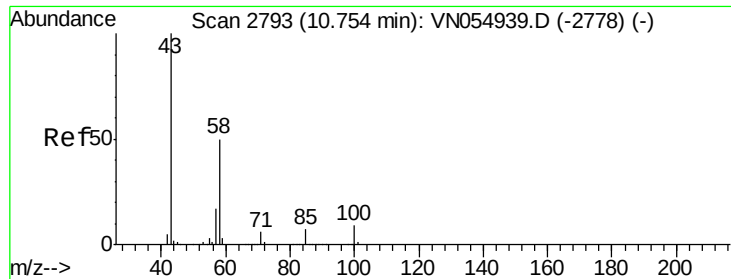
Tgt Ion: 76 Resp: 153410
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.406 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

Tgt Ion: 63 Resp: 221667
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.7 29.5

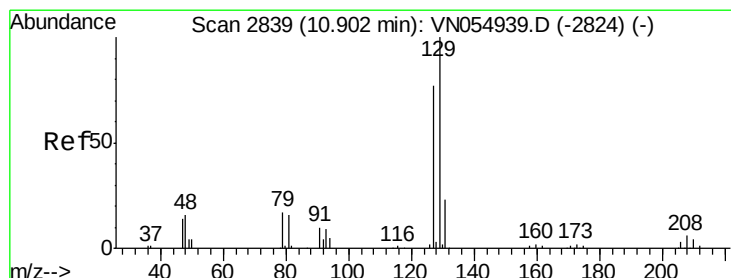
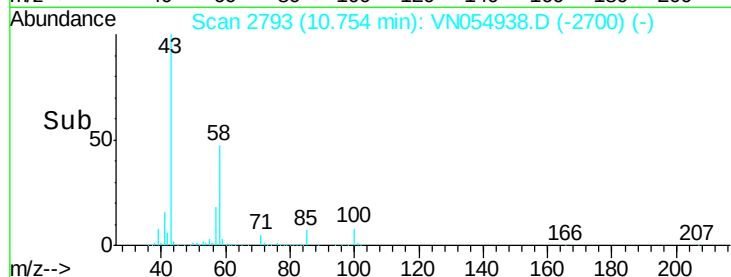
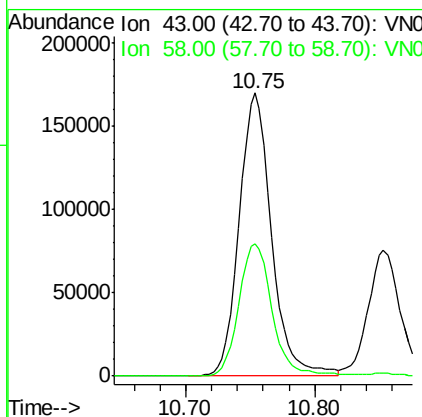
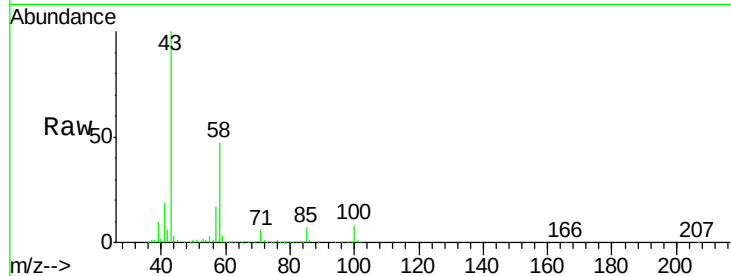




#59
2-Hexanone
Concen: 105.078 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

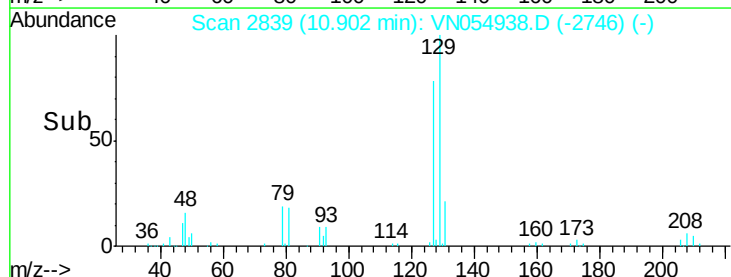
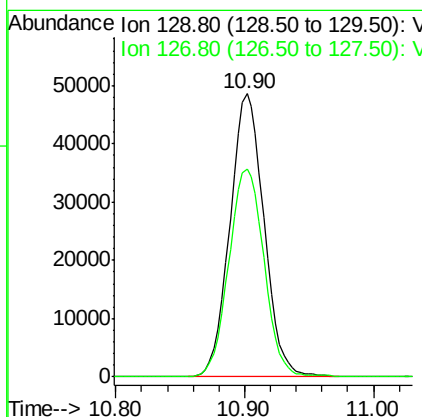
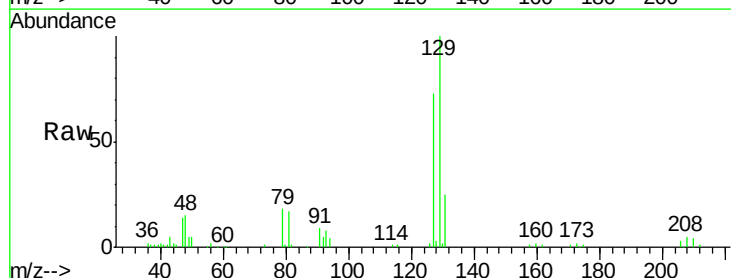
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

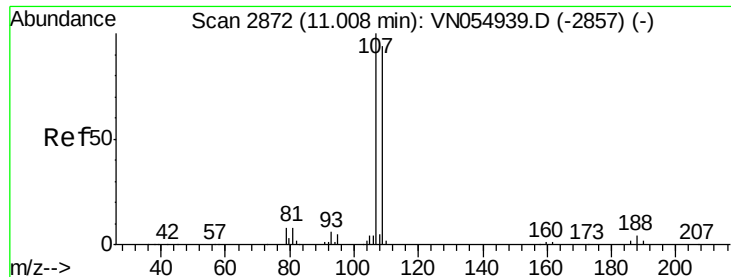
Tgt Ion: 43 Resp: 294283
Ion Ratio Lower Upper
43 100
58 48.5 24.6 73.8



#60
Dibromochloromethane
Concen: 19.911 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

Tgt Ion: 129 Resp: 89126
Ion Ratio Lower Upper
129 100
127 76.0 38.4 115.2

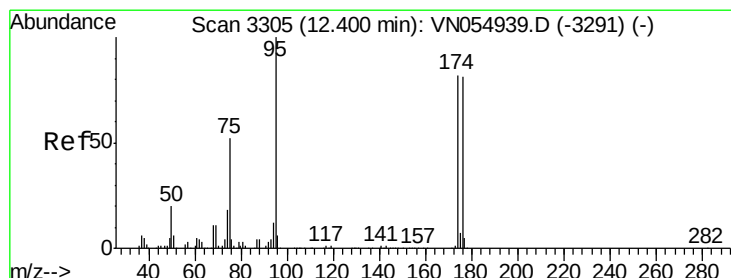
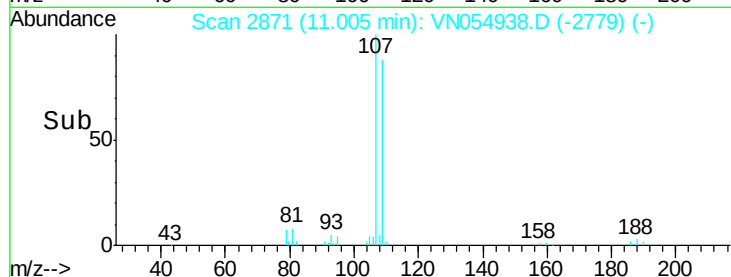
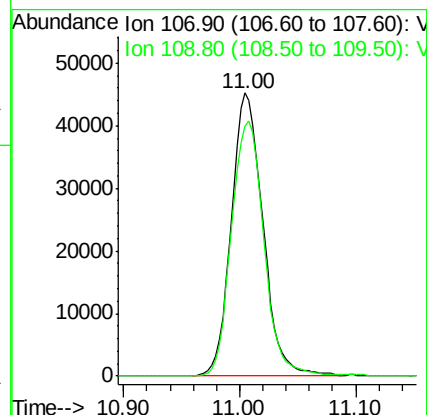
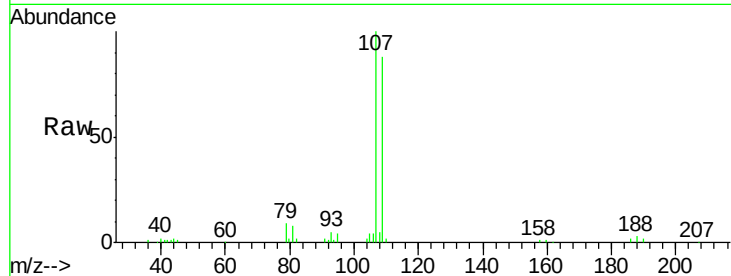




#61
 1,2-Dibromoethane
 Concen: 21.207 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

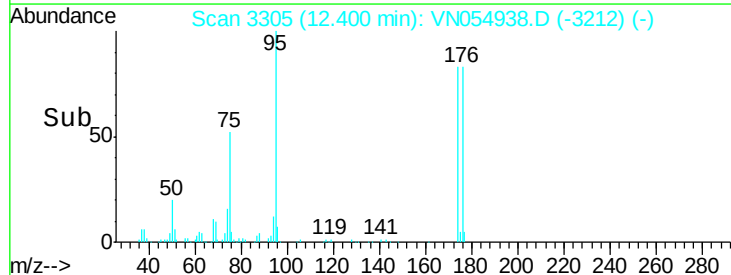
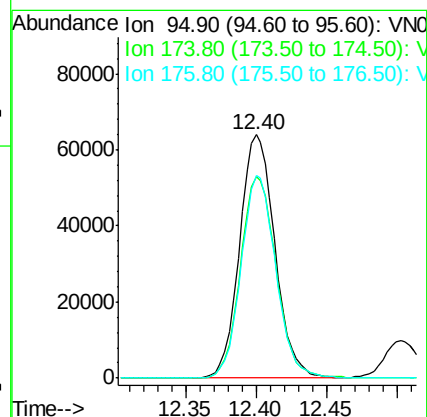
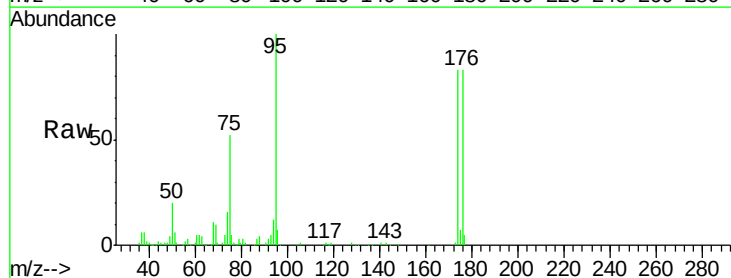
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

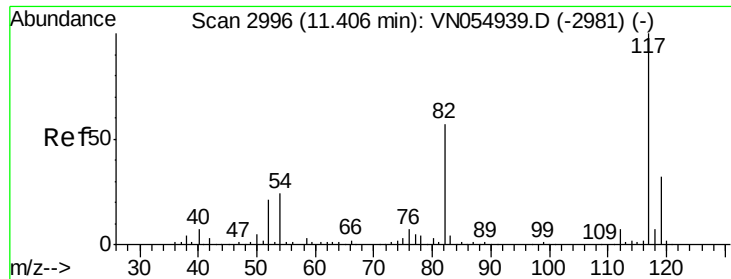
Tgt Ion: 107 Resp: 85210
 Ion Ratio Lower Upper
 107 100
 109 92.5 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 19.372 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

Tgt Ion: 95 Resp: 111993
 Ion Ratio Lower Upper
 95 100
 174 83.8 0.0 166.2
 176 82.2 0.0 163.2

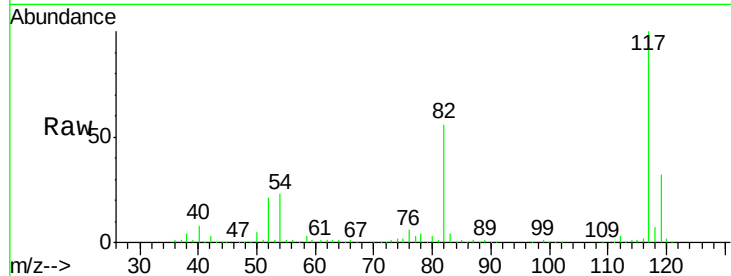




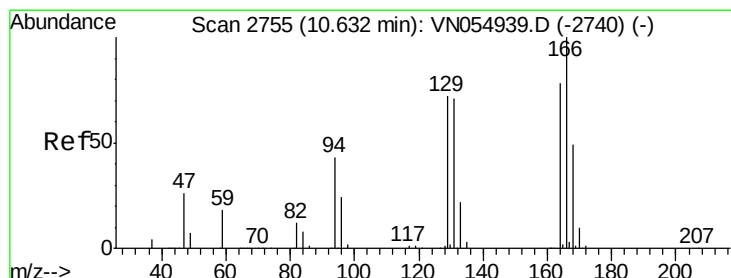
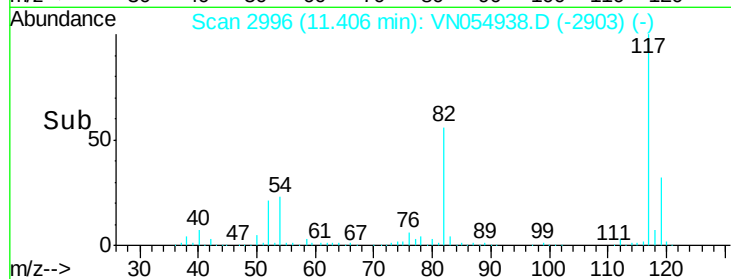
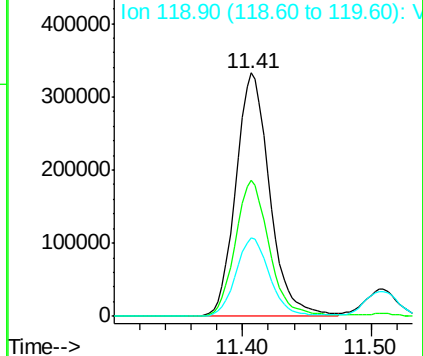
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 608278
Ion Ratio Lower Upper
117 100
82 56.1 45.3 67.9
119 32.3 25.8 38.6

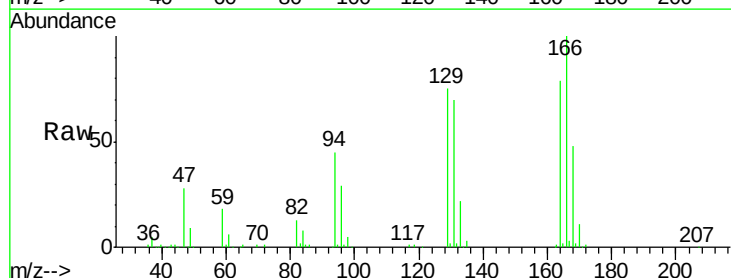


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

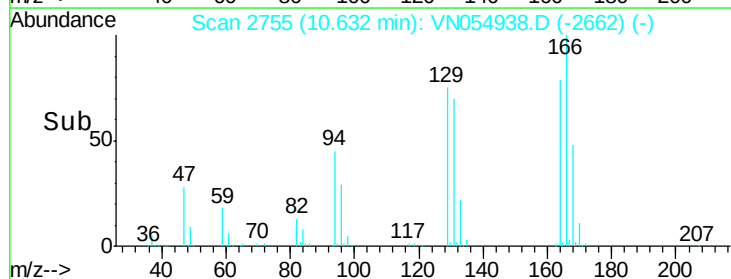
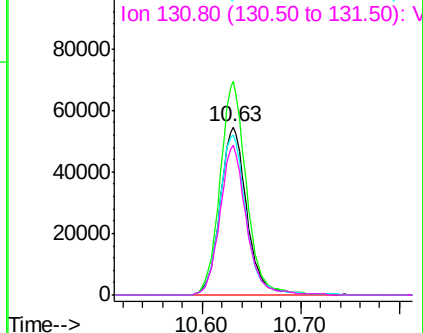


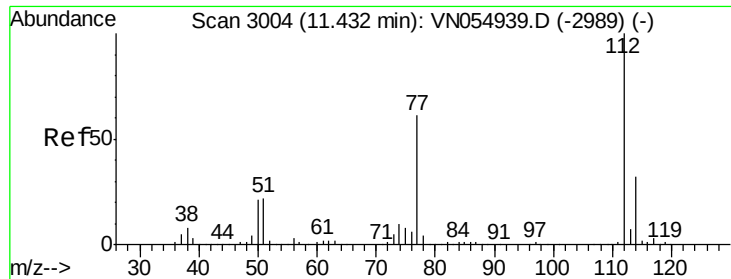
#64
Tetrachloroethene
Concen: 21.143 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

Tgt Ion:164 Resp: 103725
Ion Ratio Lower Upper
164 100
166 127.2 103.1 154.7
129 95.5 73.9 110.9
131 88.9 73.0 109.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

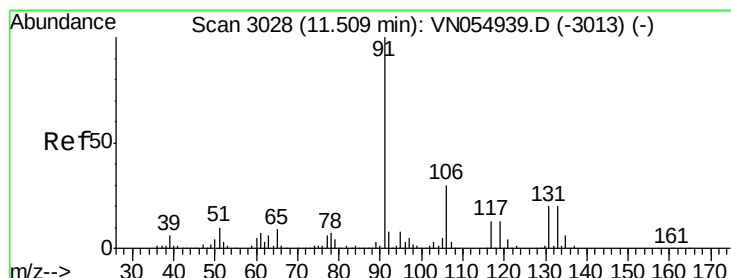
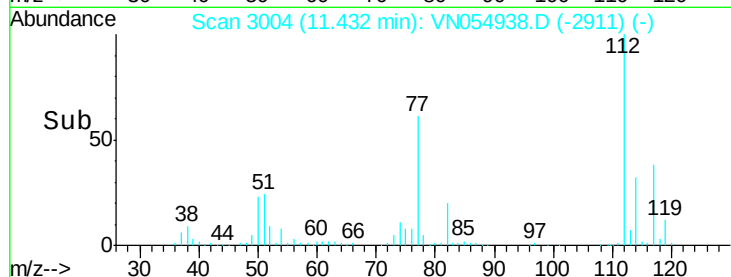
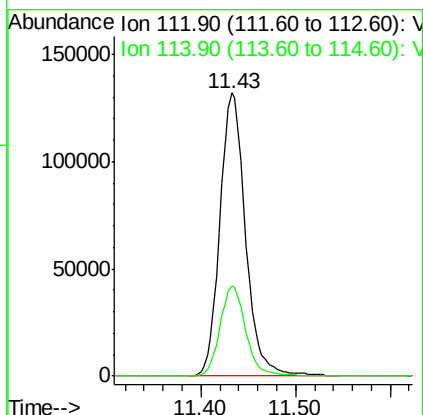
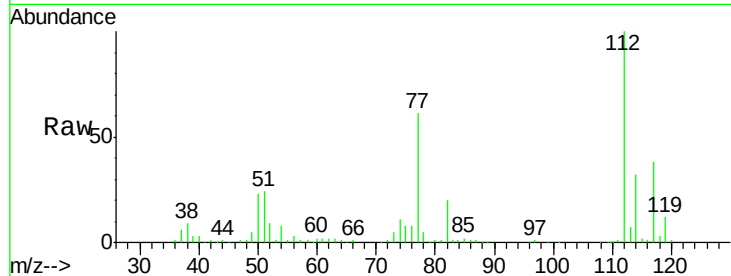




#65
Chlorobenzene
Concen: 20.053 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

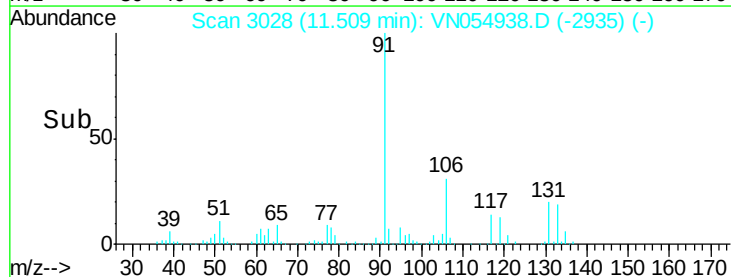
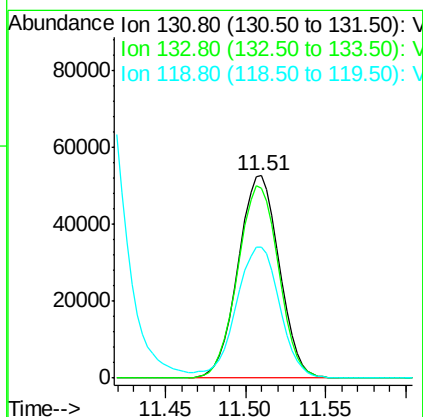
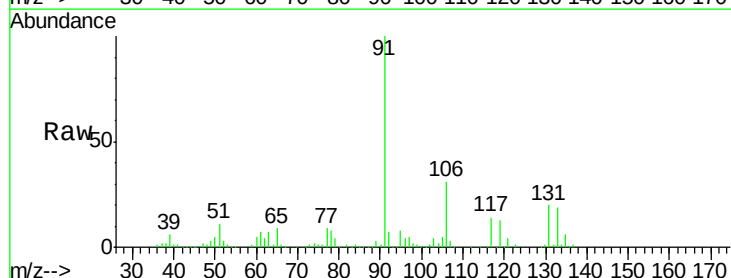
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

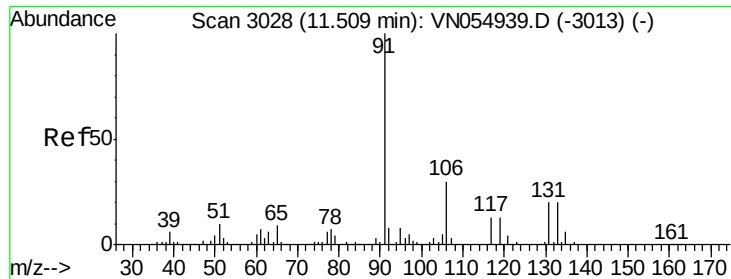
Tgt Ion:112 Resp: 248630
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.359 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

Tgt Ion:131 Resp: 92419
Ion Ratio Lower Upper
131 100
133 95.1 48.1 144.4
119 68.7 33.1 99.2

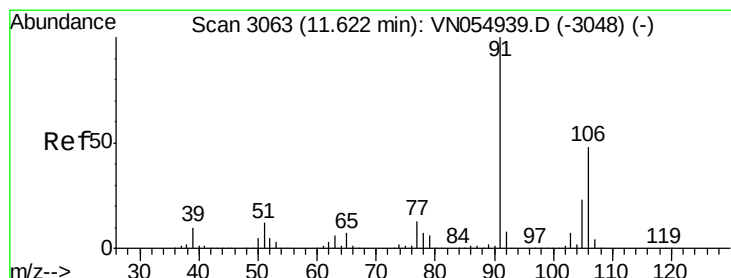
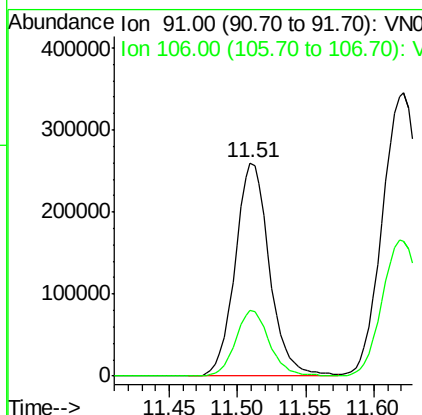
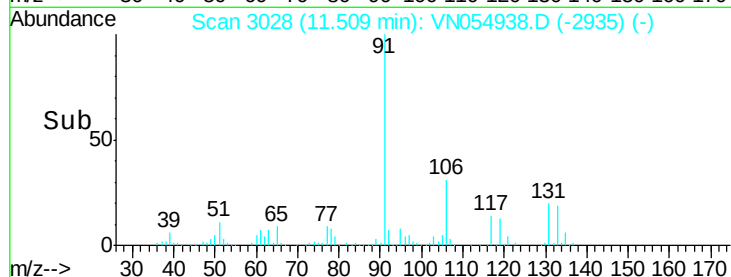
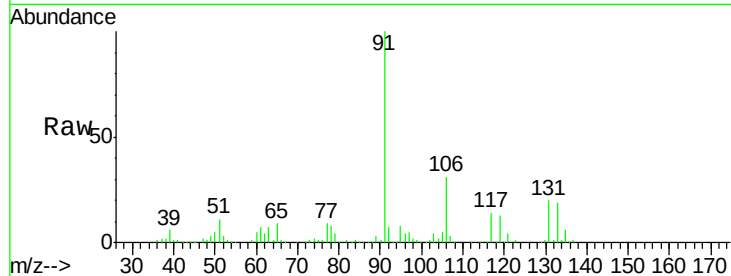




#67
Ethyl Benzene
Concen: 20.283 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

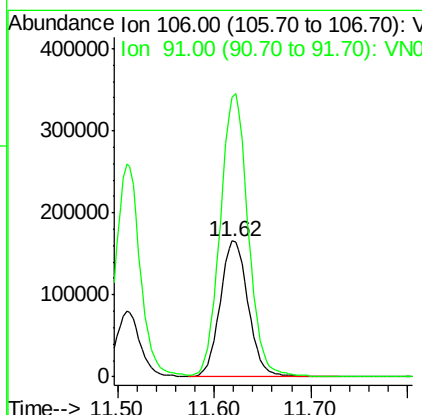
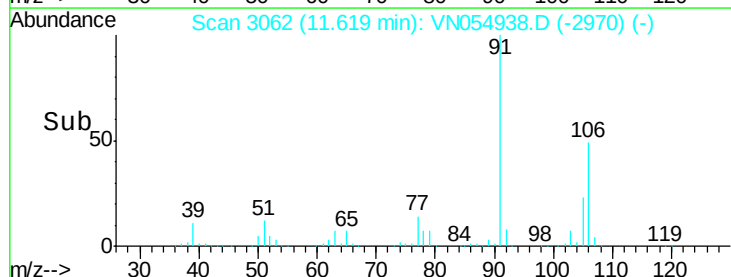
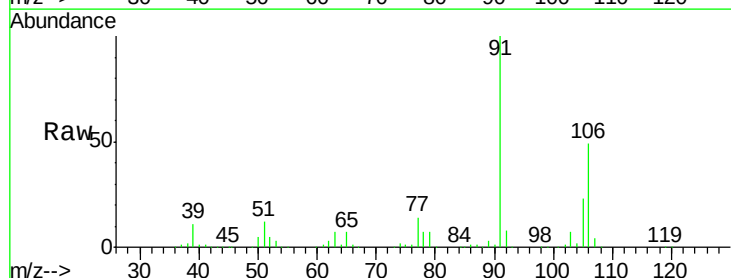
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

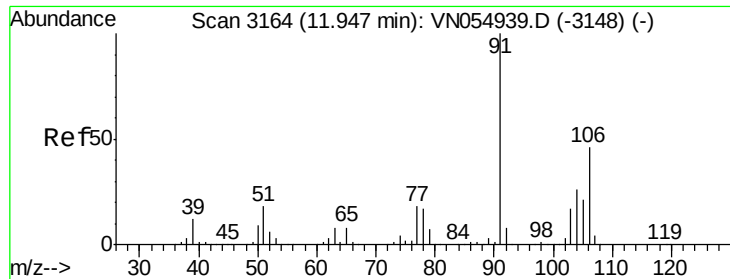
Tgt Ion: 91 Resp: 453417
Ion Ratio Lower Upper
91 100
106 30.7 24.1 36.1



#68
m/p-Xylenes
Concen: 40.994 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

Tgt Ion: 106 Resp: 335005
Ion Ratio Lower Upper
106 100
91 207.6 167.4 251.2

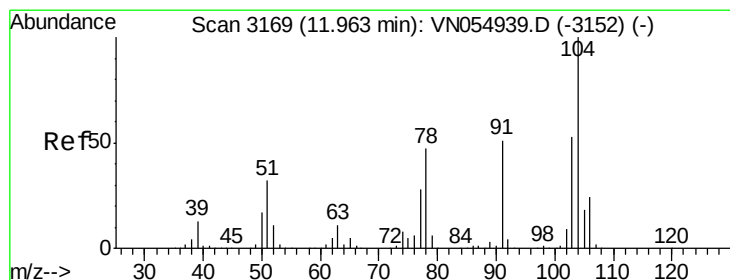
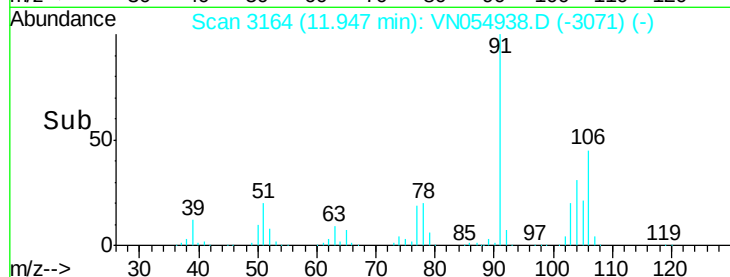
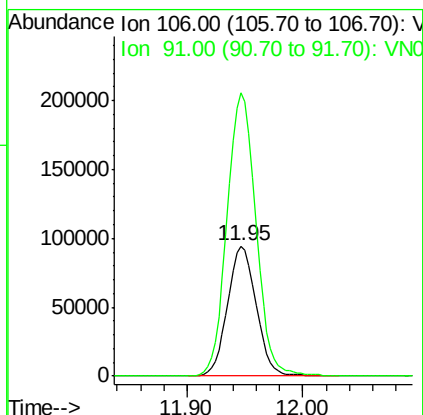
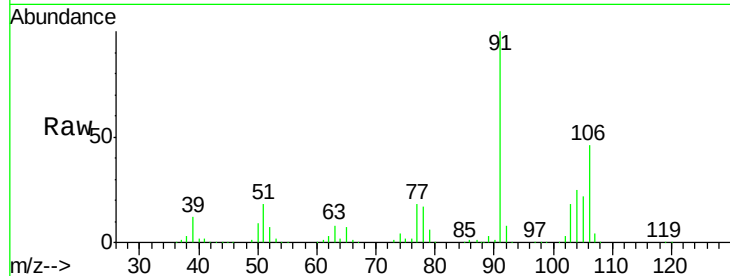




#69
o-Xylene
Concen: 20.211 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

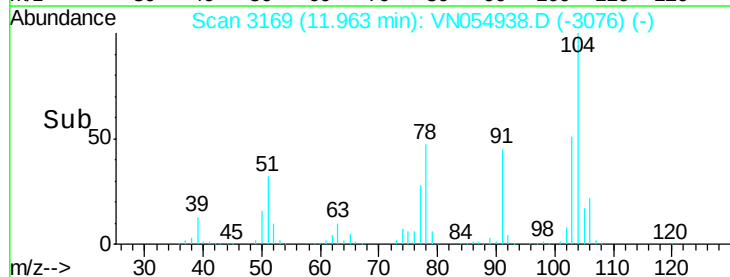
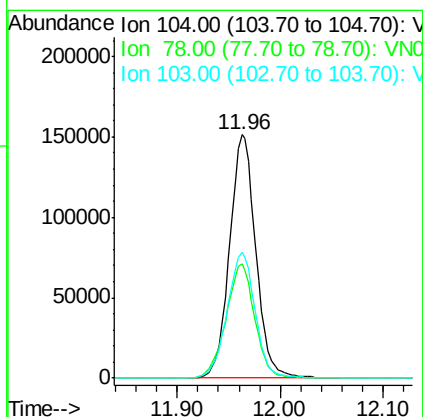
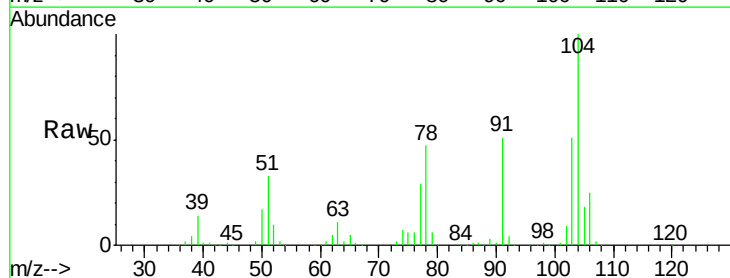
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

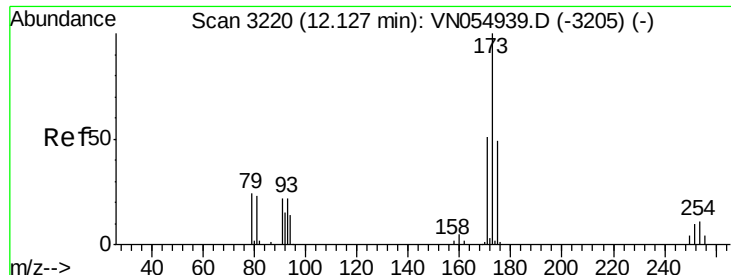
Tgt Ion:106 Resp: 161107
Ion Ratio Lower Upper
106 100
91 220.0 109.9 329.7



#70
Styrene
Concen: 21.004 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

Tgt Ion:104 Resp: 268553
Ion Ratio Lower Upper
104 100
78 51.2 41.1 61.7
103 55.4 45.0 67.4

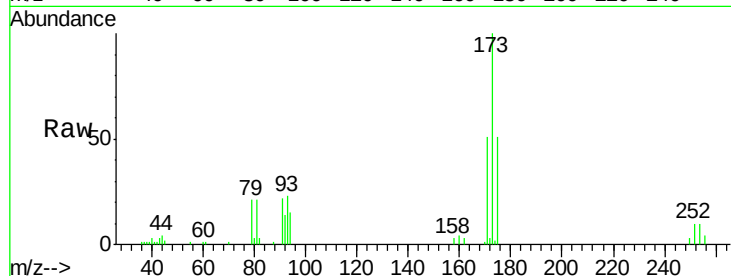




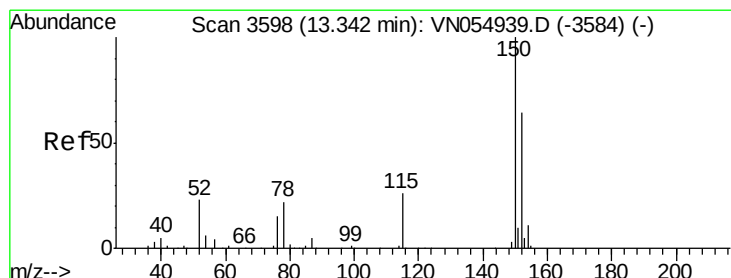
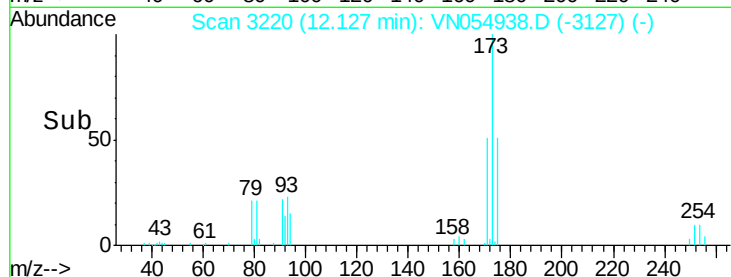
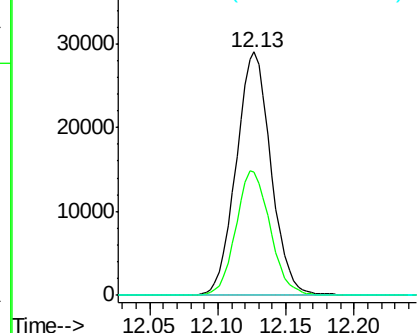
#71
Bromoform
Concen: 18.776 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:173 Resp: 51232
Ion Ratio Lower Upper
173 100
175 50.4 24.1 72.4
254 0.0 0.0 0.0

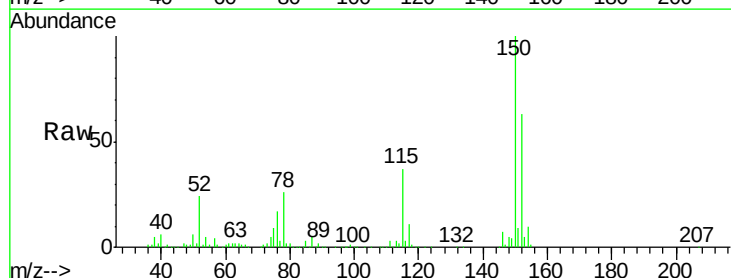


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

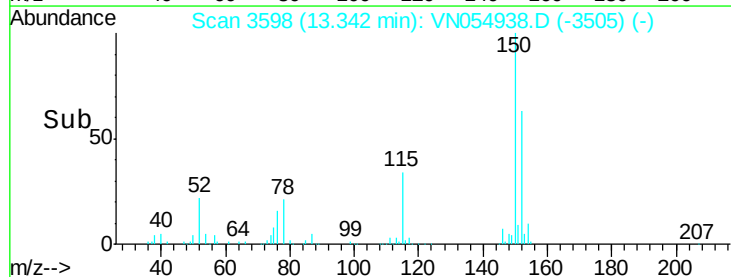
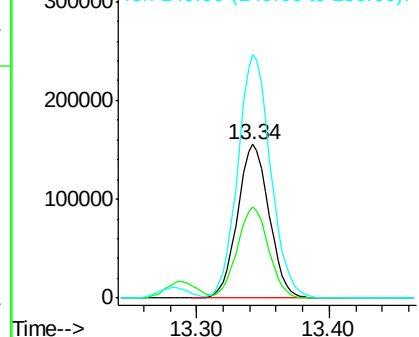


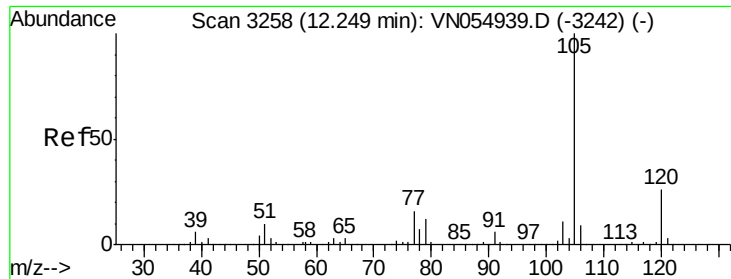
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054938.D
Acq: 4 Apr 2019 10:39

Tgt Ion:152 Resp: 257193
Ion Ratio Lower Upper
152 100
115 58.7 28.9 86.8
150 164.6 0.0 345.4



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: 19.927 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

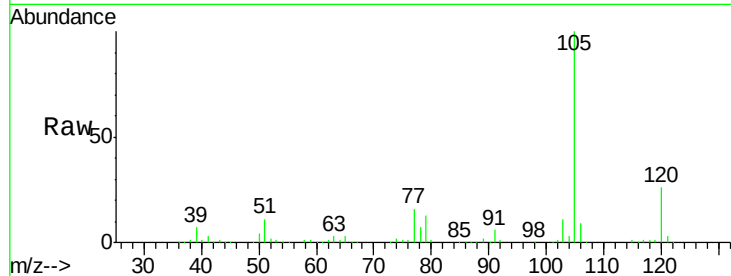
VSTDIC020

Tgt Ion: 105 Resp: 432944

Ion Ratio Lower Upper

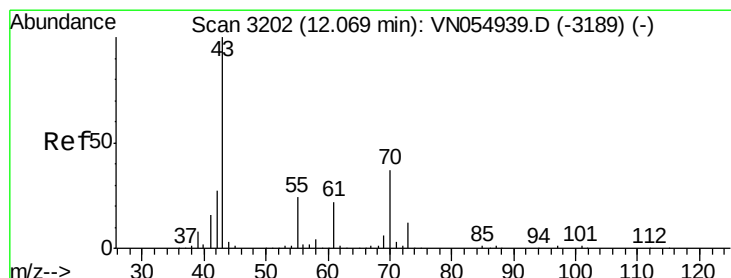
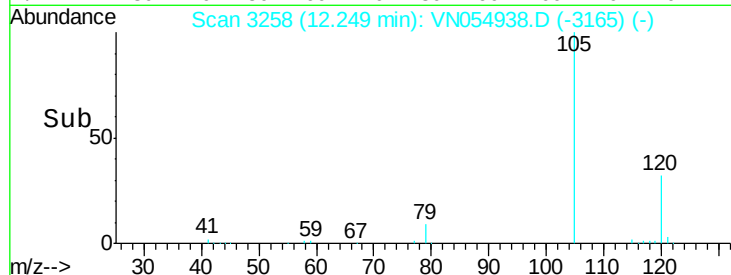
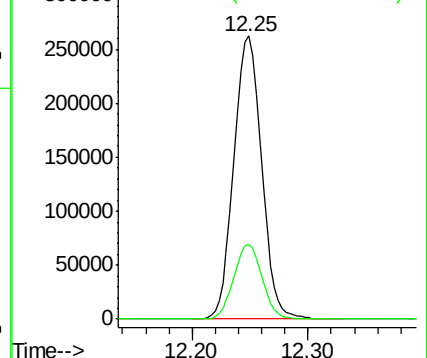
105 100

120 27.0 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 20.586 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Tgt Ion: 43 Resp: 124316

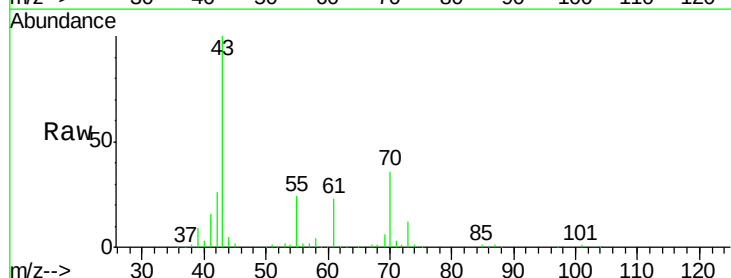
Ion Ratio Lower Upper

43 100

70 36.4 29.3 43.9

55 24.0 19.2 28.8

61 22.1 17.4 26.2

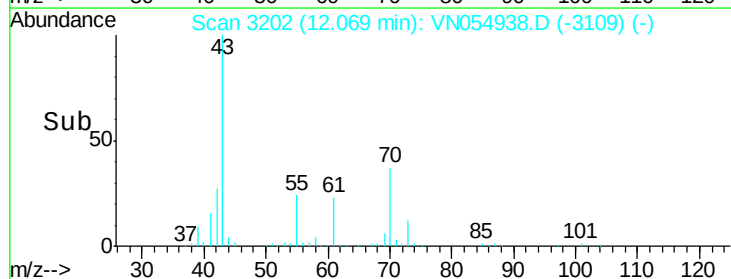
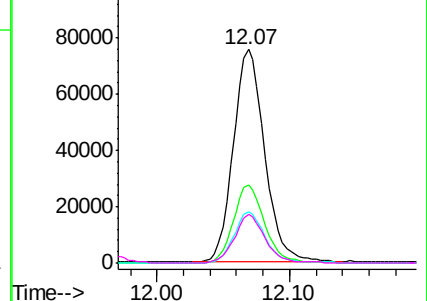


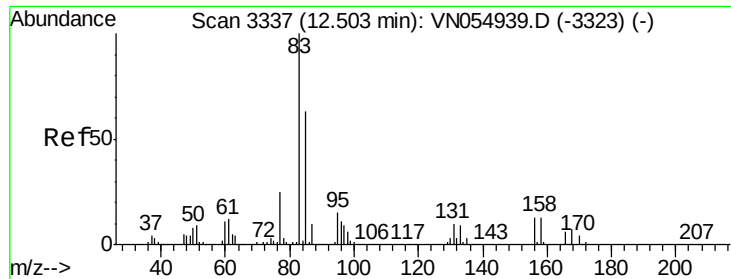
Abundance Ion 43.00 (42.70 to 43.70): V

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: 19.646 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

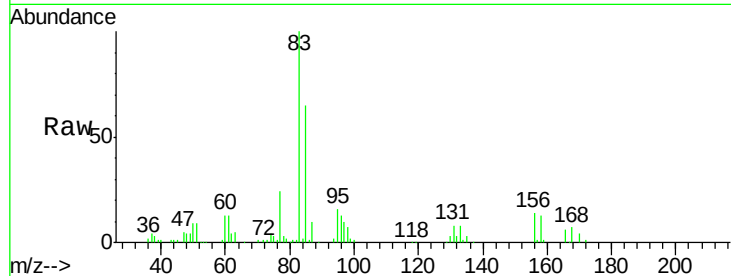
Tgt Ion: 83 Resp: 104843

Ion Ratio Lower Upper

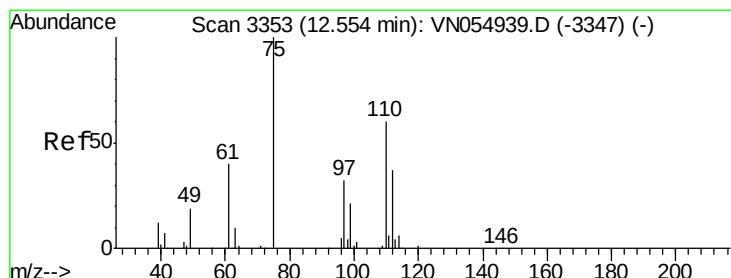
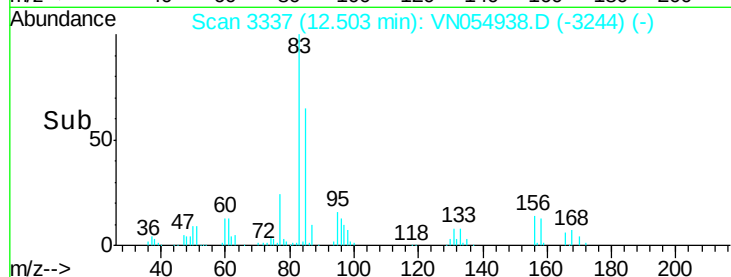
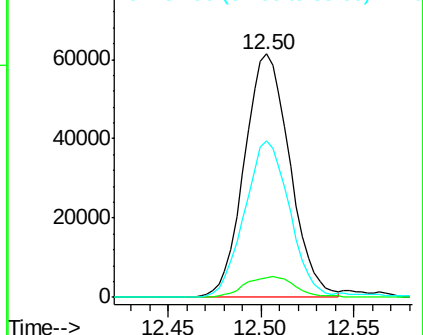
83 100

131 9.4 5.0 15.0

85 64.1 31.4 94.0



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: 28.984 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054938.D

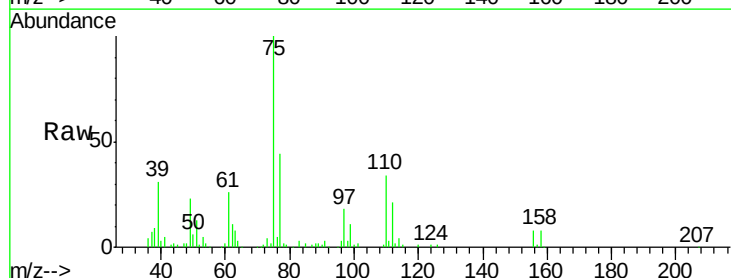
Acq: 4 Apr 2019 10:39

Tgt Ion: 75 Resp: 121192

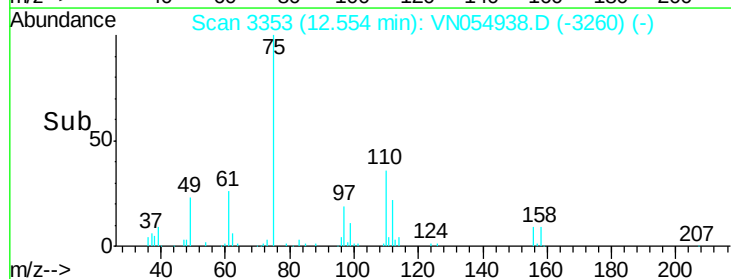
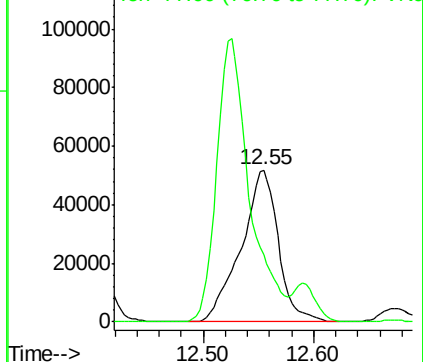
Ion Ratio Lower Upper

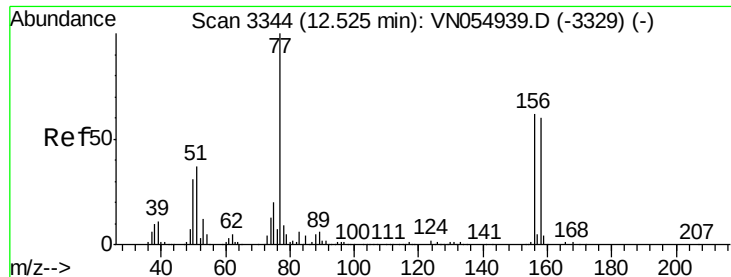
75 100

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: 20.105 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

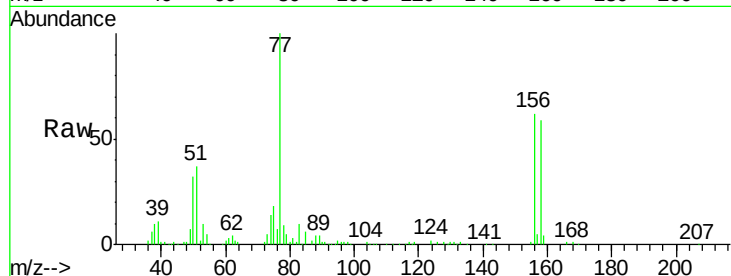
Tgt Ion:156 Resp: 105786

Ion Ratio Lower Upper

156 100

77 189.1 93.1 279.3

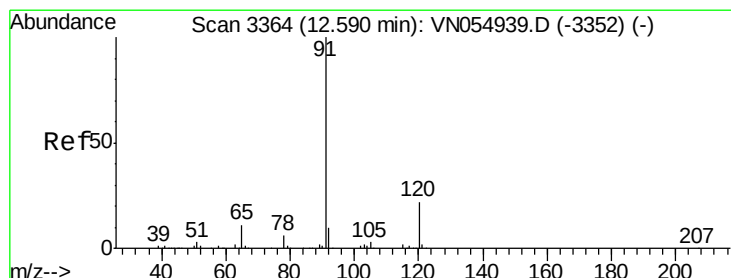
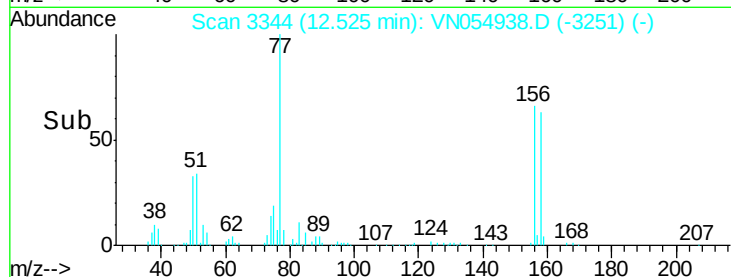
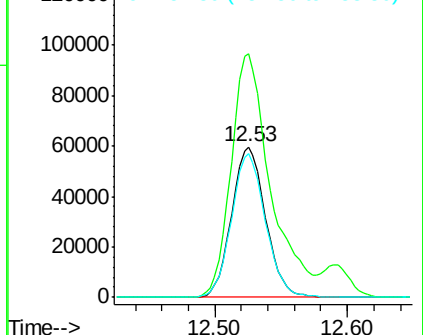
158 96.2 48.4 145.3



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: 20.185 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054938.D

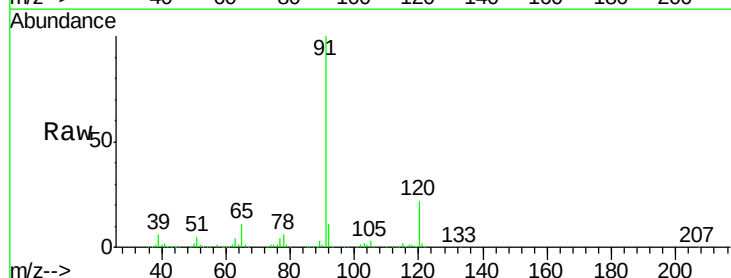
Acq: 4 Apr 2019 10:39

Tgt Ion: 91 Resp: 483156

Ion Ratio Lower Upper

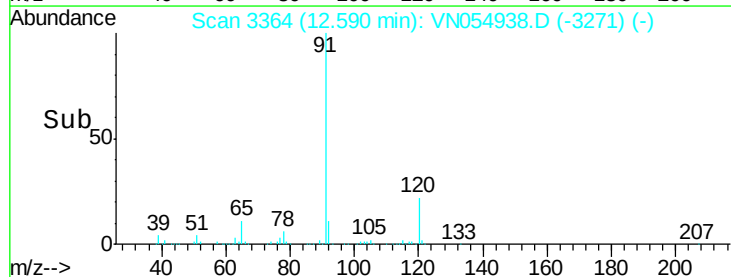
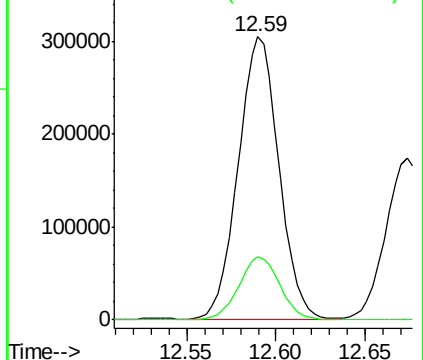
91 100

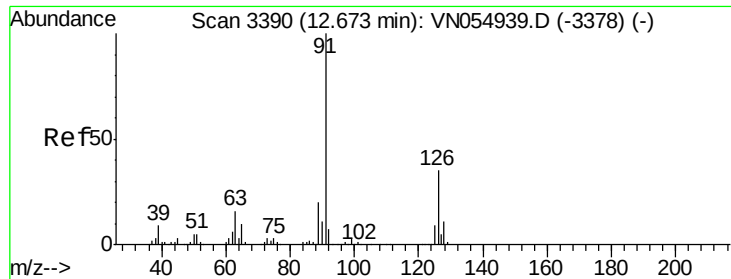
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.843 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

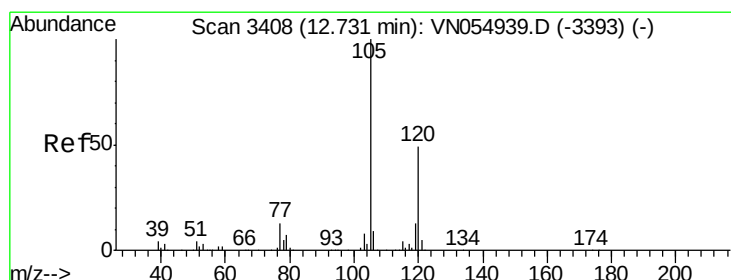
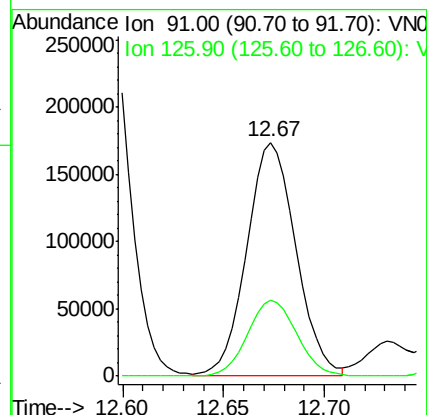
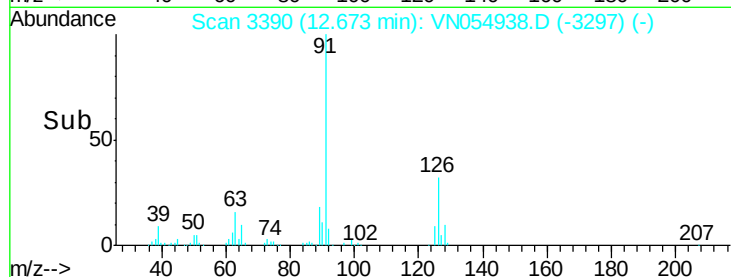
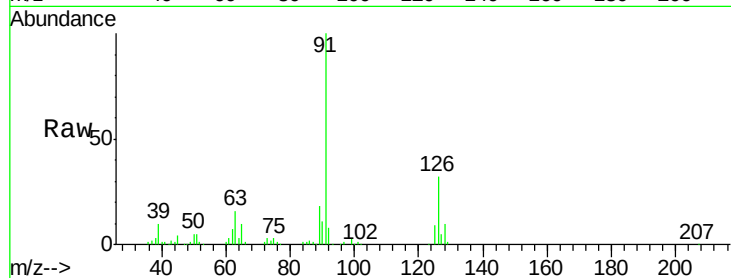
VSTDIC020

Tgt Ion: 91 Resp: 294372

Ion Ratio Lower Upper

91 100

126 32.8 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 20.293 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054938.D

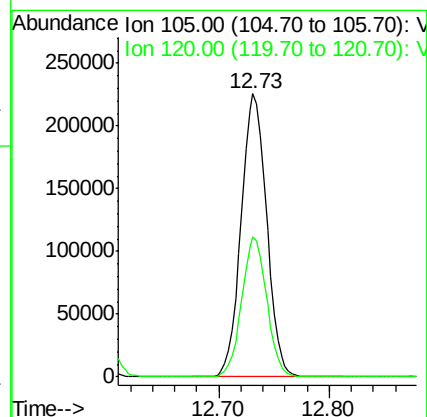
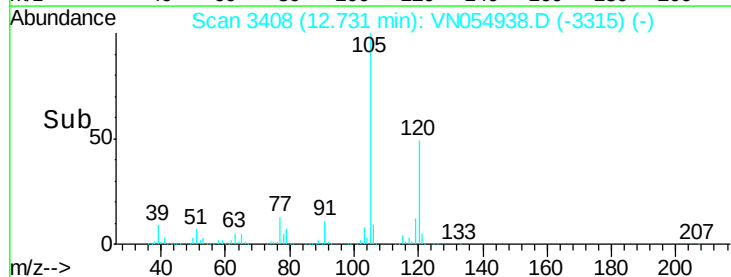
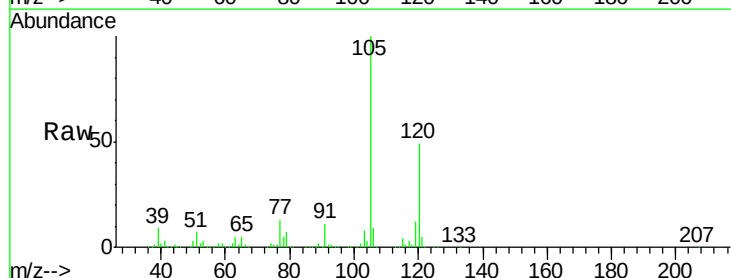
Acq: 4 Apr 2019 10:39

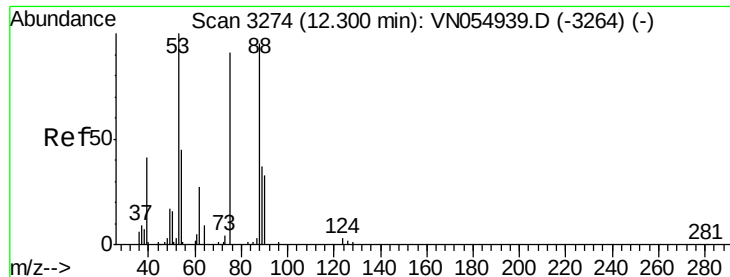
Tgt Ion: 105 Resp: 362096

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.333 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

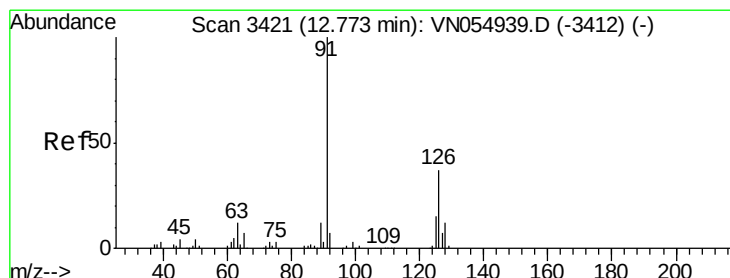
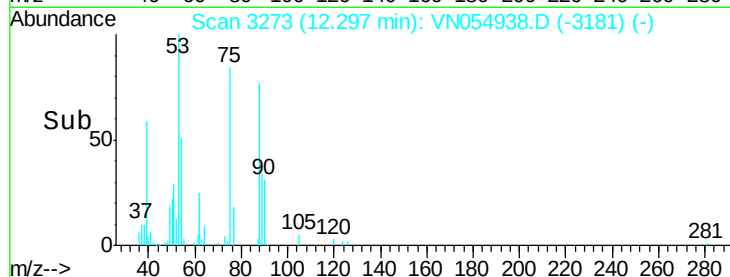
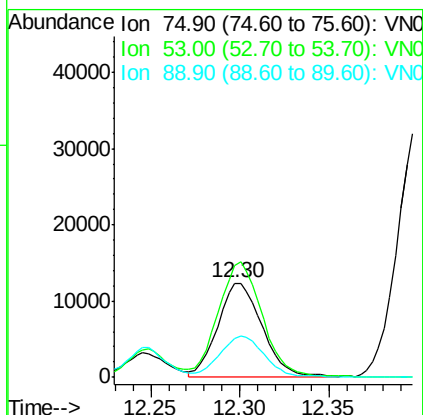
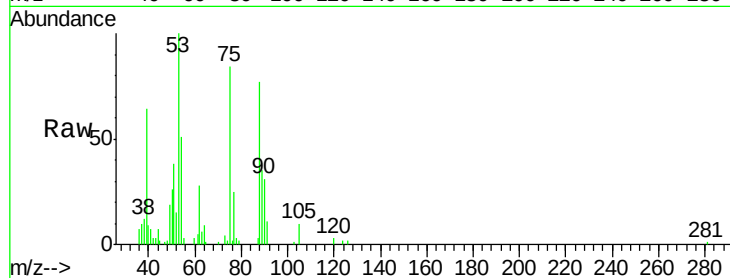
Tgt Ion: 75 Resp: 21419

Ion Ratio Lower Upper

75 100

53 119.0 92.8 139.2

89 41.3 36.7 55.1



#82

4-Chlorotoluene

Concen: 20.099 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054938.D

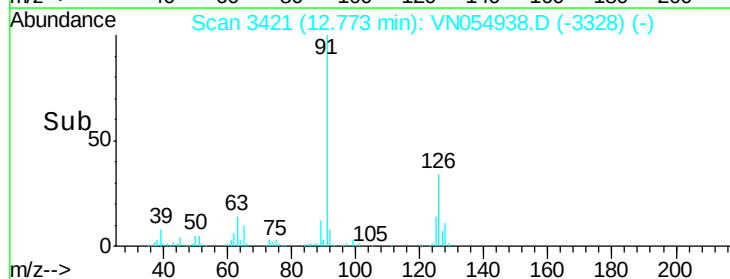
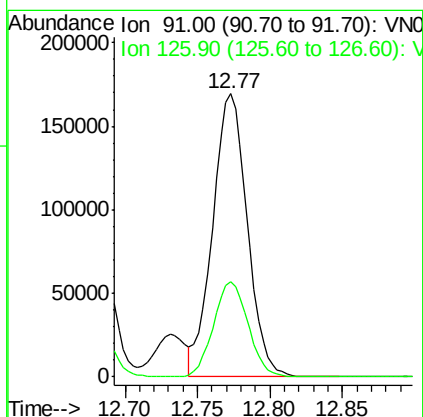
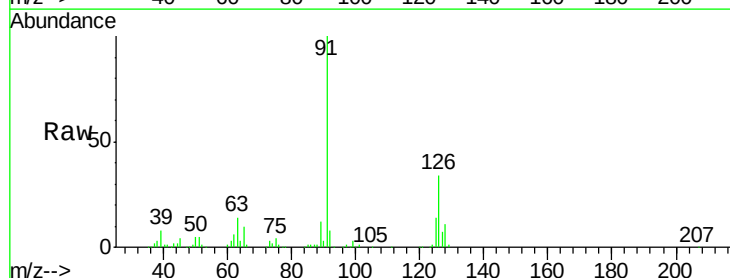
Acq: 4 Apr 2019 10:39

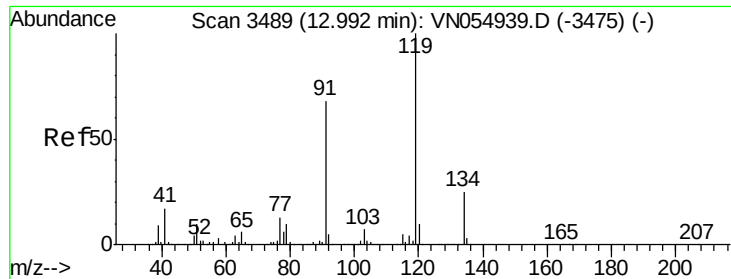
Tgt Ion: 91 Resp: 282015

Ion Ratio Lower Upper

91 100

126 33.5 16.9 50.7

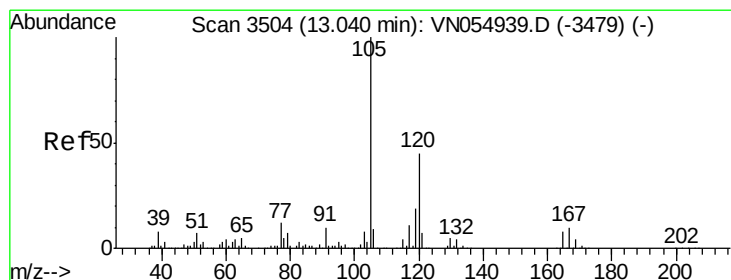
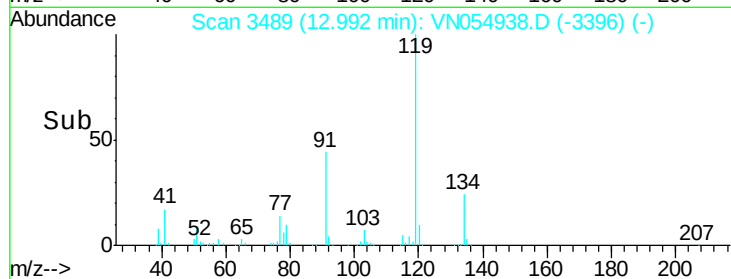
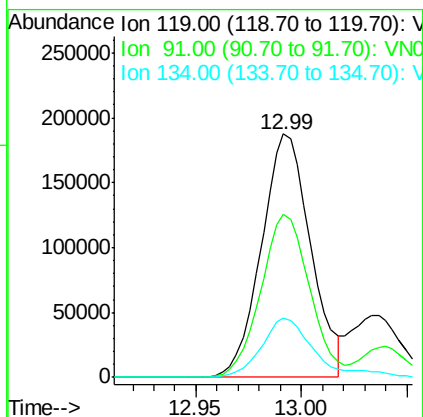
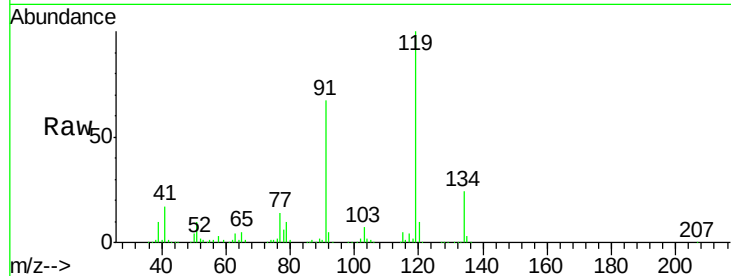




#83
 tert-Butylbenzene
 Concen: 20.080 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

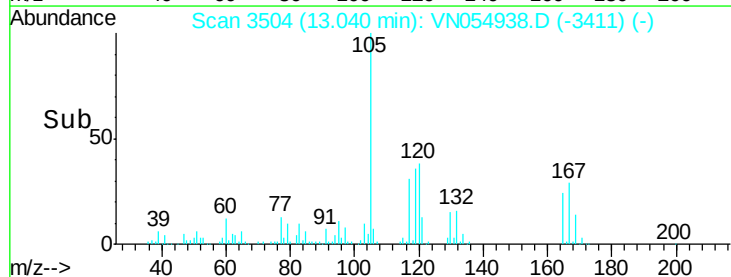
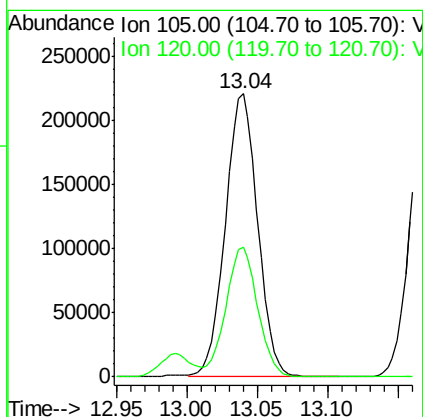
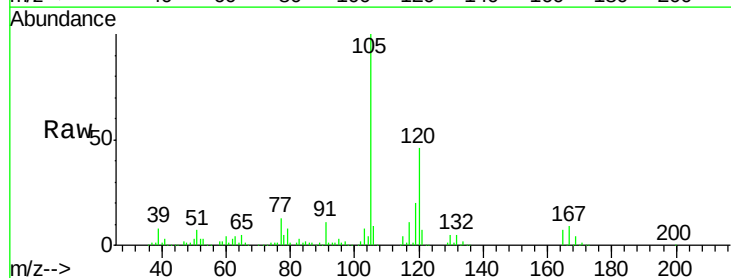
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

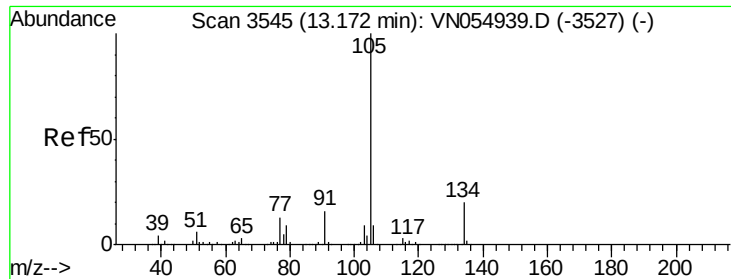
Tgt Ion:119 Resp: 304790
 Ion Ratio Lower Upper
 119 100
 91 66.4 33.5 100.5
 134 26.4 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.503 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

Tgt Ion:105 Resp: 353951
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.3





#85

sec-Butylbenzene

Concen: 19.989 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

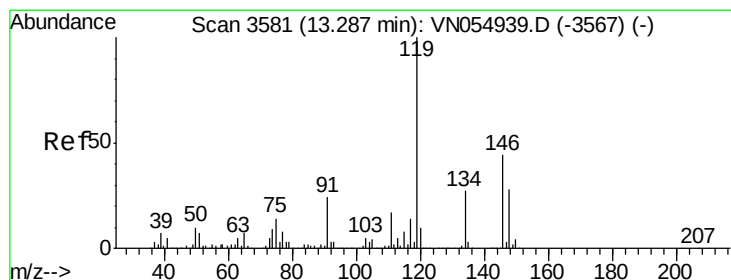
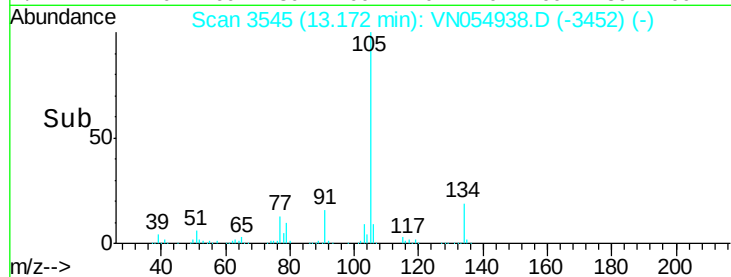
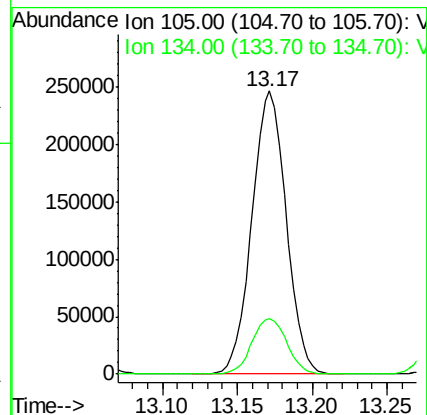
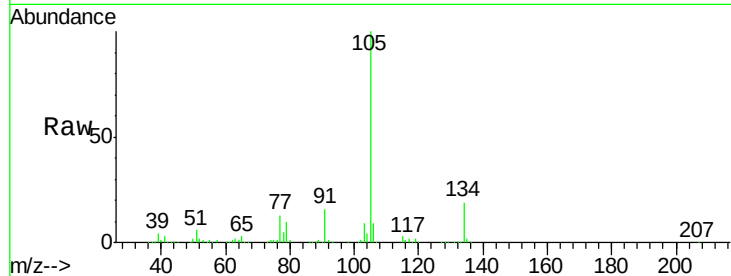
VSTDIC020

Tgt Ion:105 Resp: 392430

Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.5



#86

p-Isopropyltoluene

Concen: 20.506 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

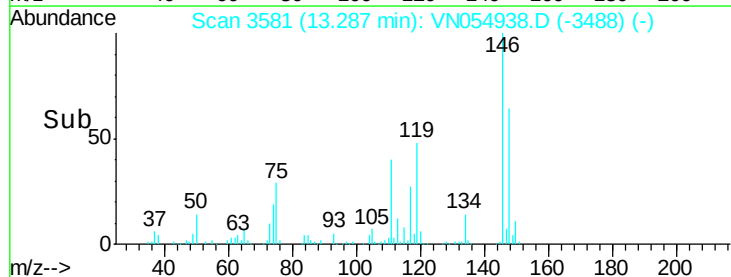
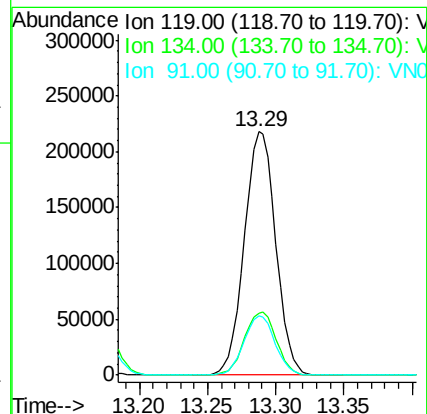
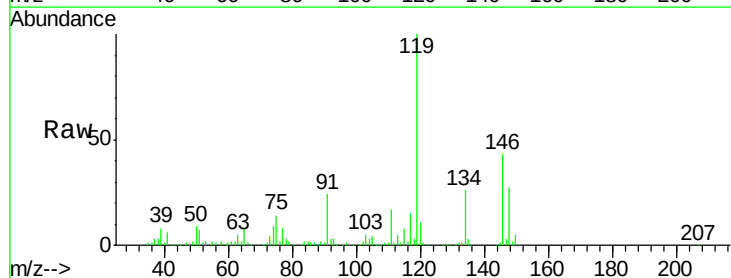
Tgt Ion:119 Resp: 346871

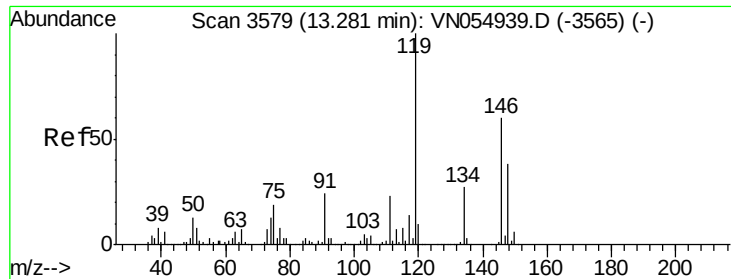
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

91 24.2 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 19.968 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

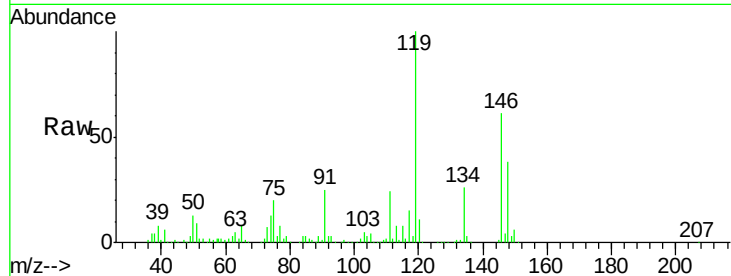
Tgt Ion:146 Resp: 174763

Ion Ratio Lower Upper

146 100

111 39.6 19.6 58.7

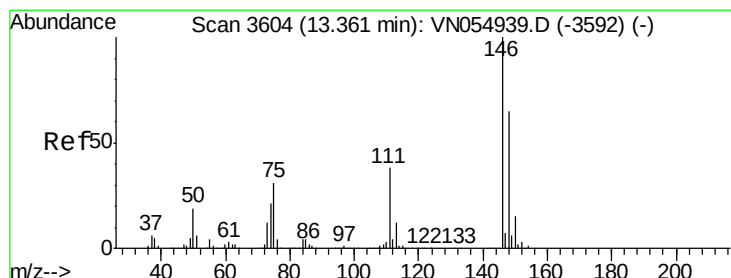
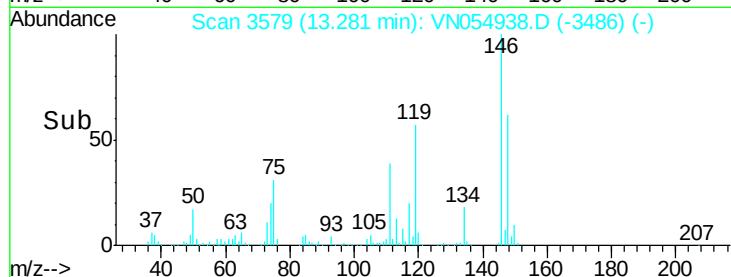
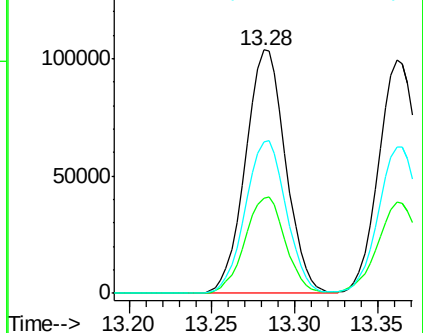
148 63.7 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.120 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

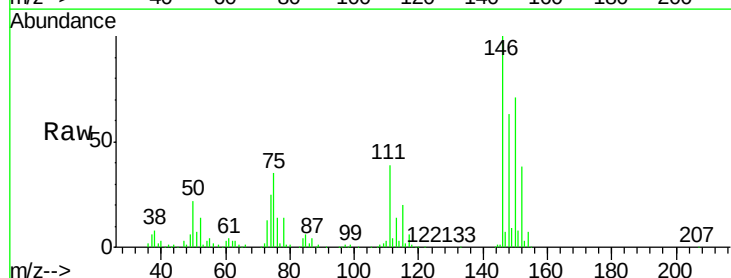
Tgt Ion:146 Resp: 167633

Ion Ratio Lower Upper

146 100

111 39.8 19.2 57.6

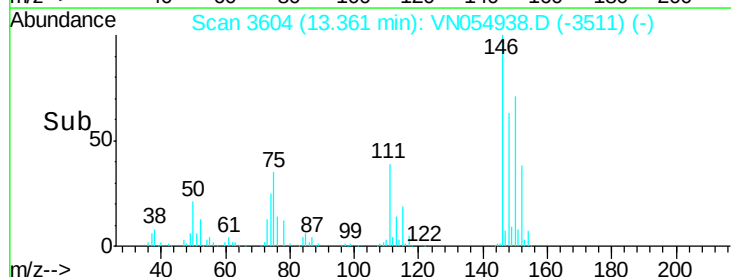
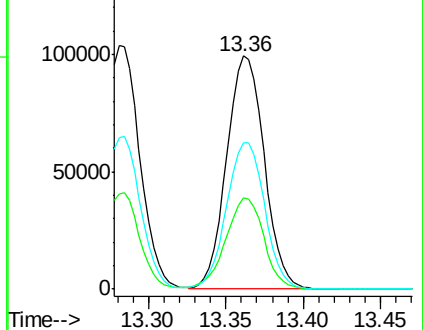
148 64.0 31.9 95.7

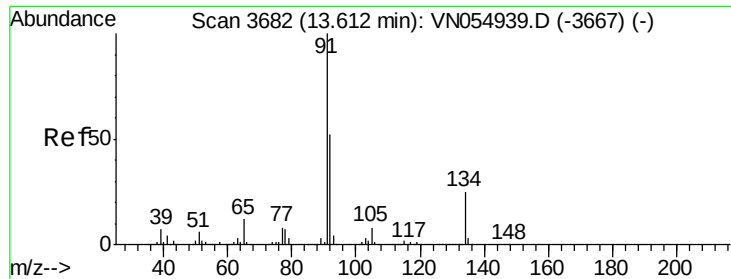


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.678 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

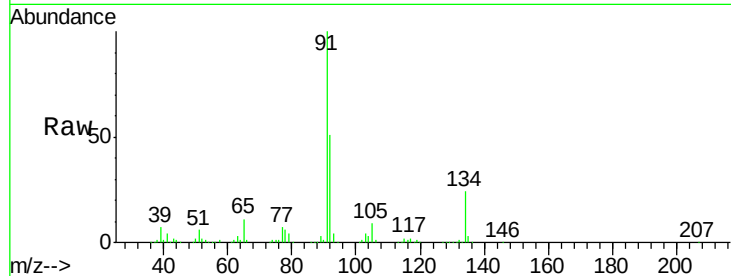
Tgt Ion: 91 Resp: 279549

Ion Ratio Lower Upper

91 100

92 51.2 26.1 78.2

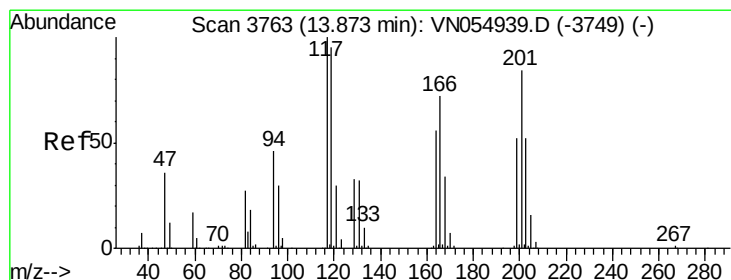
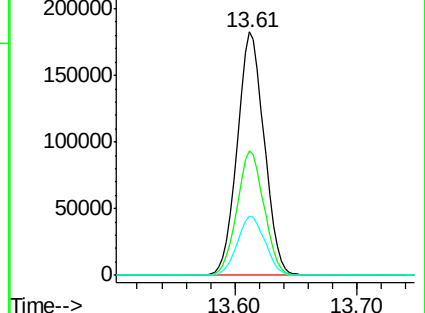
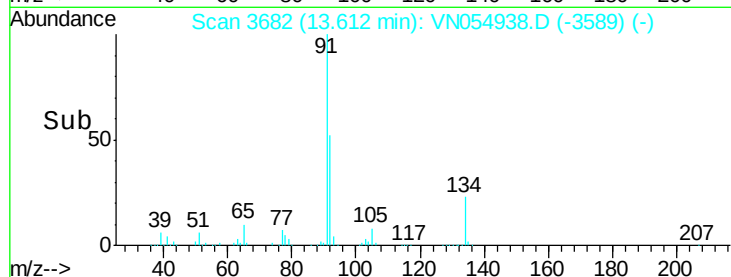
134 24.9 12.6 37.8



Abundance Ion 91.00 (90.70 to 91.70): VN054938.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054938.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054938.D (-3667) (-)



#90

Hexachloroethane

Concen: 18.993 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054938.D

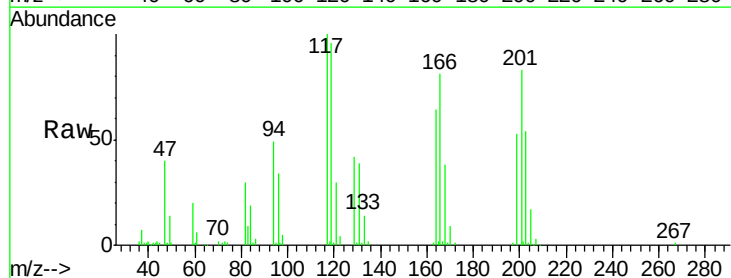
Acq: 4 Apr 2019 10:39

Tgt Ion: 117 Resp: 53968

Ion Ratio Lower Upper

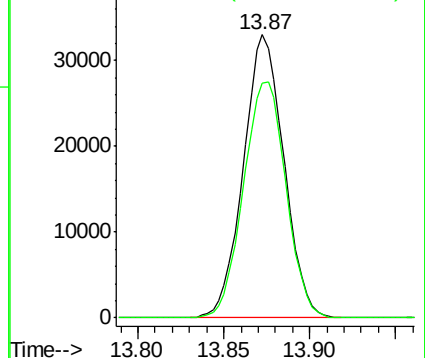
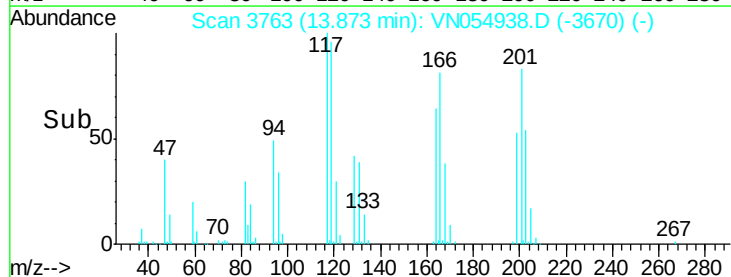
117 100

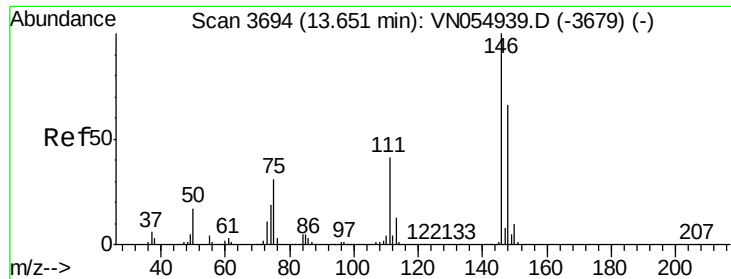
201 87.2 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VN054938.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054938.D (-3749) (-)

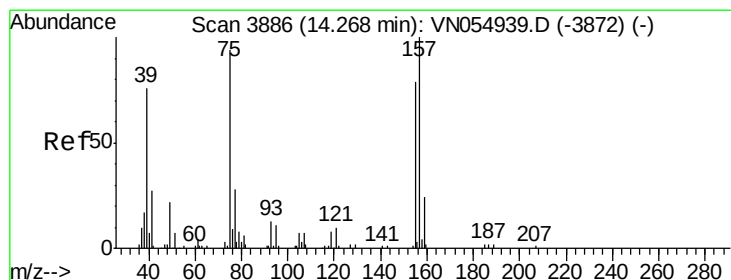
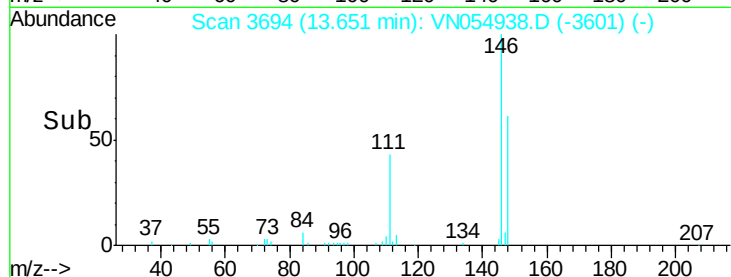
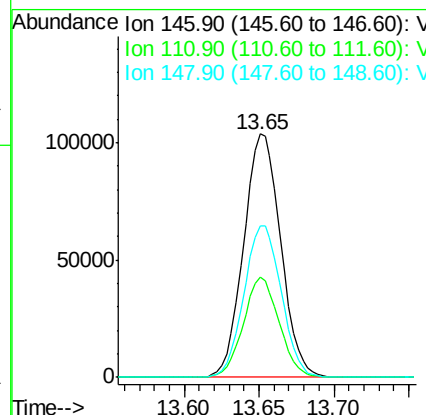
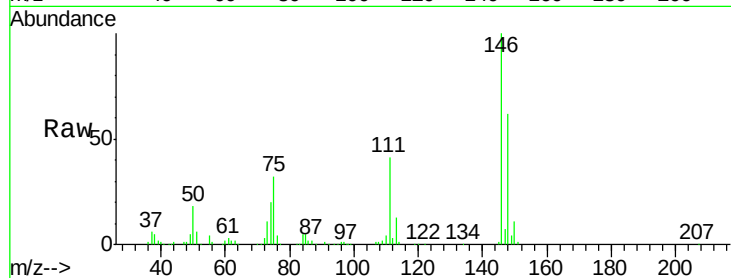




#91
 1,2-Dichlorobenzene
 Concen: 20.799 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

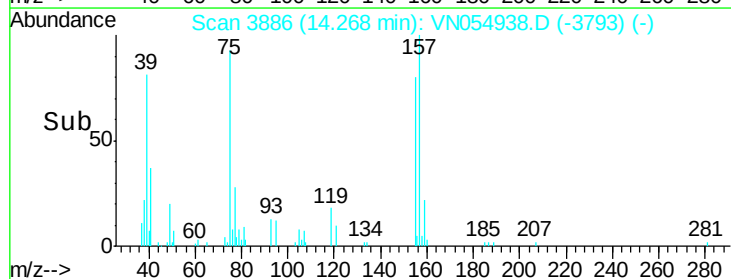
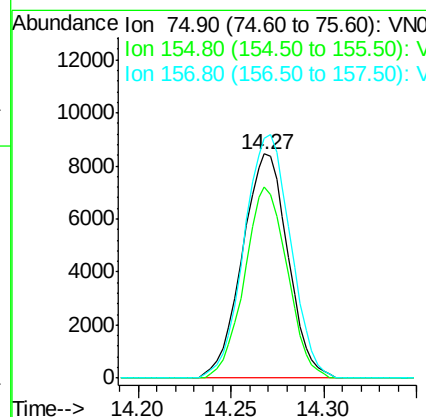
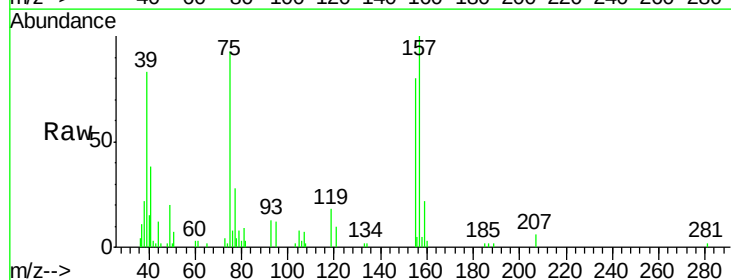
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

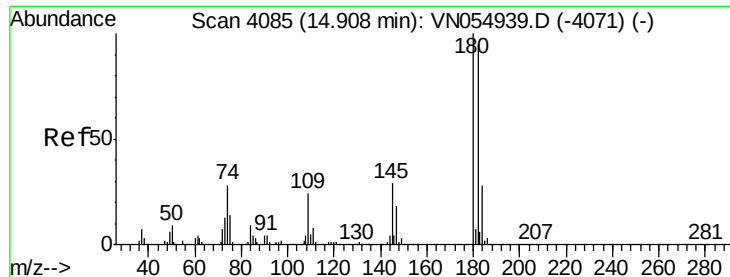
Tgt Ion: 146 Resp: 178727
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.2 60.5
 148 62.8 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.429 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

Tgt Ion: 75 Resp: 14449
 Ion Ratio Lower Upper
 75 100
 155 79.8 41.5 124.6
 157 110.2 54.4 163.2

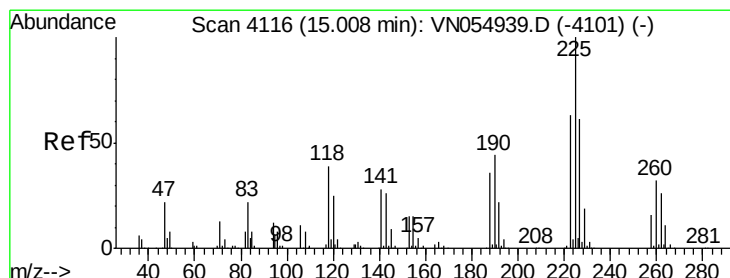
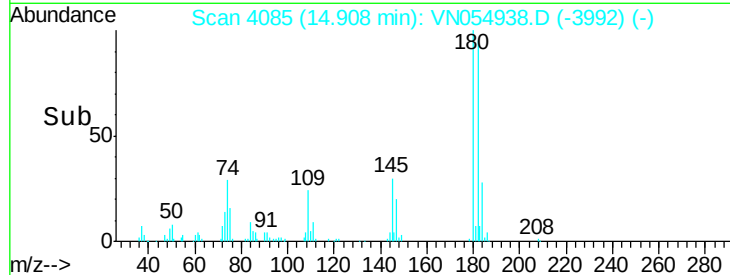
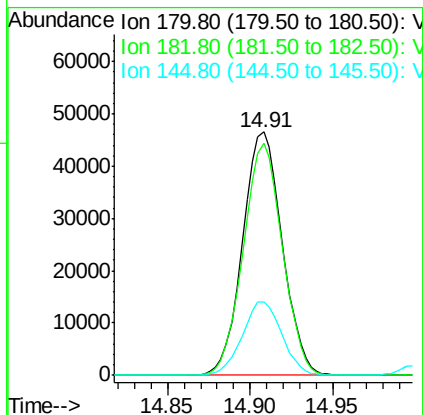
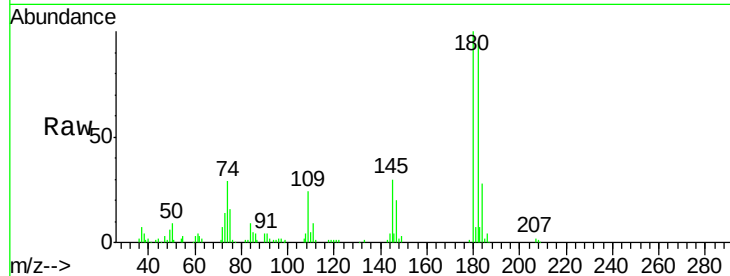




#93
 1,2,4-Trichlorobenzene
 Concen: 20.198 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

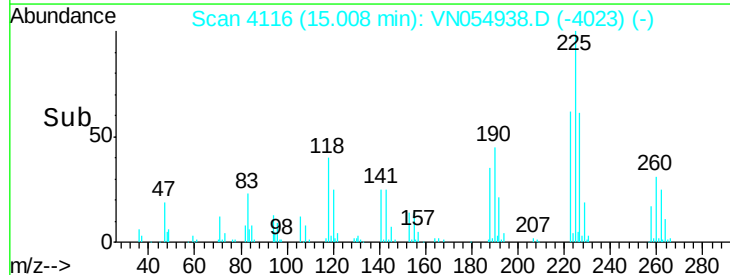
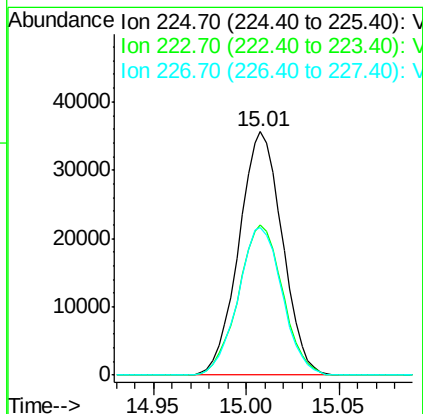
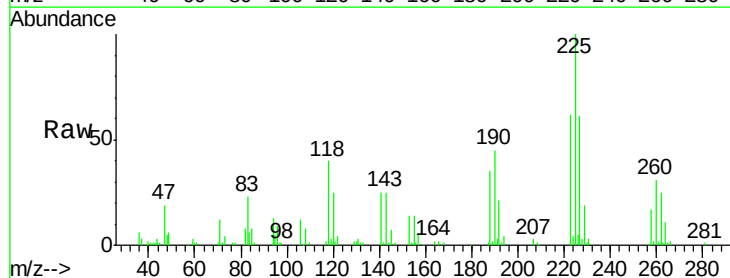
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

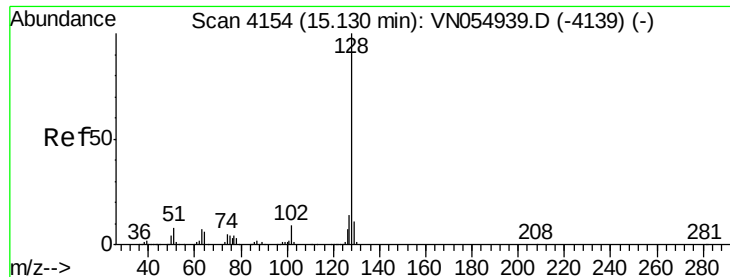
Tgt Ion:180 Resp: 77217
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.5 142.6
 145 30.0 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 20.161 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054938.D
 Acq: 4 Apr 2019 10:39

Tgt Ion:225 Resp: 57960
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.5
 227 61.5 30.9 92.5





#95

Naphthalene

Concen: 19.392 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

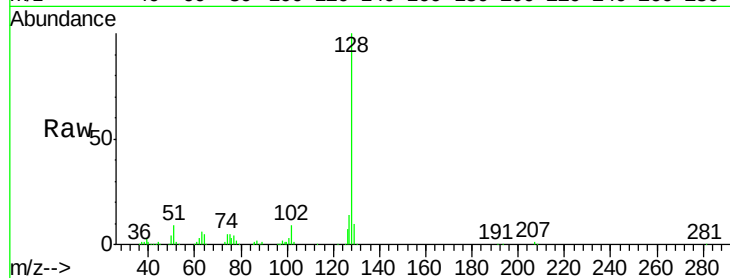
Tgt Ion:128 Resp: 162675

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

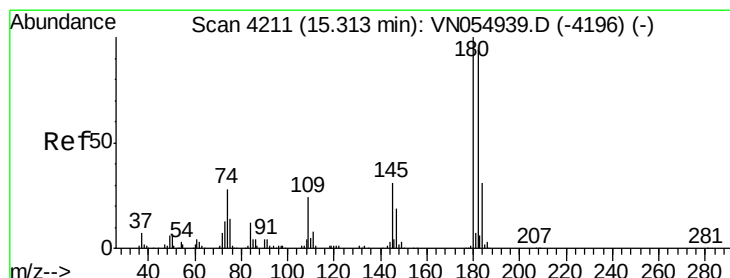
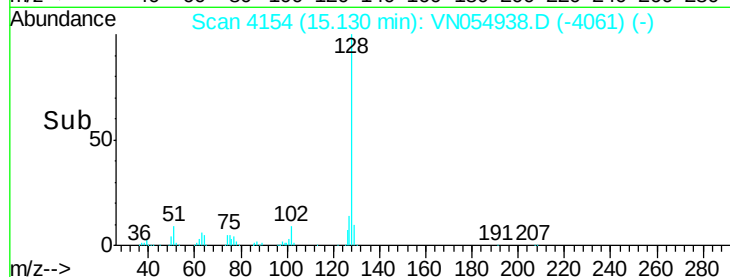
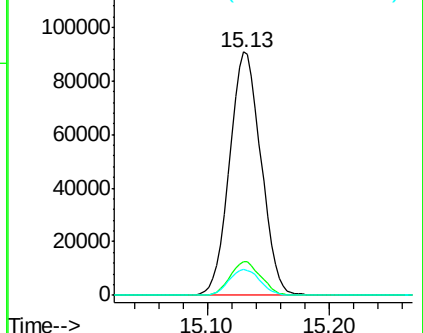
129 10.6 8.6 13.0



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: 19.937 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054938.D

Acq: 4 Apr 2019 10:39

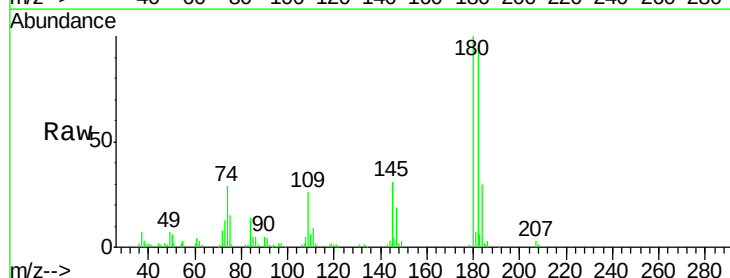
Tgt Ion:180 Resp: 78674

Ion Ratio Lower Upper

180 100

182 96.3 47.5 142.5

145 32.0 15.6 46.8



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

