

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056179.D
 Acq On : 10 Jun 2019 19:09
 Operator : JC/SP
 Sample : K3280-09MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Quant Time: Jun 11 02:22:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	279567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	405463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	370364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	163733	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	143724	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
35) Dibromofluoromethane	7.59	113	132319	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
50) Toluene-d8	10.09	98	486624	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.40	95	163252	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	144625	47.110	ug/l	99
3) Chloromethane	2.06	50	152085	50.184	ug/l	99
4) Vinyl Chloride	2.18	62	153312	50.433	ug/l	98
5) Bromomethane	2.52	94	84876	44.200	ug/l	98
6) Chloroethane	2.67	64	79367	45.030	ug/l	100
7) Trichlorofluoromethane	3.00	101	195826	50.461	ug/l	100
8) Diethyl Ether	3.40	74	76635	48.020	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	122893	52.131	ug/l	99
10) Methyl Iodide	3.94	142	180614	48.212	ug/l	100
11) Tert butyl alcohol	4.82	59	124783	258.317	ug/l	100
12) 1,1-Dichloroethene	3.72	96	119820	51.054	ug/l	98
13) Acrolein	3.60	56	42137	302.451	ug/l	97
14) Allyl chloride	4.31	41	187821	50.681	ug/l	99
15) Acrylonitrile	4.99	53	344774	293.199	ug/l	100
16) Acetone	3.82	43	276200	208.043	ug/l	100
17) Carbon Disulfide	4.03	76	264658	47.097	ug/l	100
18) Methyl Acetate	4.32	43	147182	56.514	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	390588	52.211	ug/l	99
20) Methylene Chloride	4.54	84	141382	51.690	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	126624	50.355	ug/l	99
22) Diisopropyl ether	5.95	45	401121	52.361	ug/l	99
23) Vinyl Acetate	5.90	43	1540081	255.285	ug/l	100
24) 1,1-Dichloroethane	5.84	63	235731	53.345	ug/l	100
25) 2-Butanone	6.84	43	454153	270.749	ug/l	99
26) 2,2-Dichloropropane	6.82	77	142507	41.328	ug/l	96
27) cis-1,2-Dichloroethene	6.82	96	151780	51.348	ug/l	97
28) Bromochloromethane	7.19	49	114150	54.624	ug/l	99
29) Tetrahydrofuran	7.22	42	302230	291.485	ug/l	100
30) Chloroform	7.37	83	236795	53.268	ug/l	99
31) Cyclohexane	7.65	56	205087	46.561	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	196079	52.821	ug/l	99
36) 1,1-Dichloropropene	7.79	75	168672	48.380	ug/l	99
37) Ethyl Acetate	6.93	43	168481	54.312	ug/l	100
38) Carbon Tetrachloride	7.77	117	167250	52.033	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	202834	46.703	ug/l	99
40) Benzene	8.04	78	550079	51.948	ug/l	99
41) Methacrylonitrile	7.18	41	85265	59.741	ug/l	96
42) 1,2-Dichloroethane	8.12	62	176005	51.673	ug/l	100
43) Isopropyl Acetate	8.17	43	261891	52.099	ug/l	93
44) Trichloroethene	8.83	130	154457	50.762	ug/l	97
45) 1,2-Dichloropropane	9.12	63	143113	52.764	ug/l	98
46) Dibromomethane	9.21	93	96637	54.485	ug/l	99
47) Bromodichloromethane	9.40	83	177538	55.229	ug/l	100
48) Methyl methacrylate	9.20	41	137750	56.013	ug/l	97
49) 1,4-Dioxane	9.20	88	60788	1144.948	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	889635	283.007	ug/l	100
52) Toluene	10.16	92	344969	52.354	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	176911	47.087	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	204044	52.807	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	142790	54.707	ug/l	99
56) Ethyl methacrylate	10.43	69	208213	54.681	ug/l	98
57) 1,3-Dichloropropane	10.71	76	230516	54.328	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.74	63	516	15.196	ug/l #	46
59) 2-Hexanone	10.75	43	611455	268.377	ug/l	100
60) Dibromochloromethane	10.90	129	151027	52.344	ug/l	99
61) 1,2-Dibromoethane	11.00	107	147143	55.145	ug/l	99
64) Tetrachloroethene	10.63	164	152209	47.478	ug/l	98
65) Chlorobenzene	11.43	112	369574	50.139	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	138275	54.330	ug/l	99
67) Ethyl Benzene	11.51	91	639922	49.928	ug/l	99
68) m/p-Xylenes	11.62	106	491095	100.301	ug/l	99
69) o-Xylene	11.95	106	242733	50.399	ug/l	98
70) Styrene	11.96	104	401223	52.432	ug/l	100
71) Bromoform	12.13	173	108512	50.740	ug/l #	100
73) Isopropylbenzene	12.25	105	631064	54.279	ug/l	100
74) N-amyl acetate	12.07	43	206827	47.388	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	192986	50.773	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	222719	73.925	ug/l #	100
77) Bromobenzene	12.53	156	172659	49.254	ug/l	95
78) n-propylbenzene	12.59	91	668851	48.287	ug/l	99
79) 2-Chlorotoluene	12.67	91	409018	53.394	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	515632	46.838	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45382	50.164	ug/l	90
82) 4-Chlorotoluene	12.77	91	395192	48.766	ug/l	100
83) tert-Butylbenzene	12.99	119	453123	53.225	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	506988	48.564	ug/l	99
85) sec-Butylbenzene	13.17	105	579779	47.263	ug/l	100
86) p-Isopropyltoluene	13.29	119	521442	47.497	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	269774	49.724	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	260530	49.919	ug/l	98
89) n-Butylbenzene	13.61	91	381426	46.900	ug/l	99
90) Hexachloroethane	13.87	117	86475	52.230	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	271293	49.527	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30709	56.486	ug/l	95

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QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

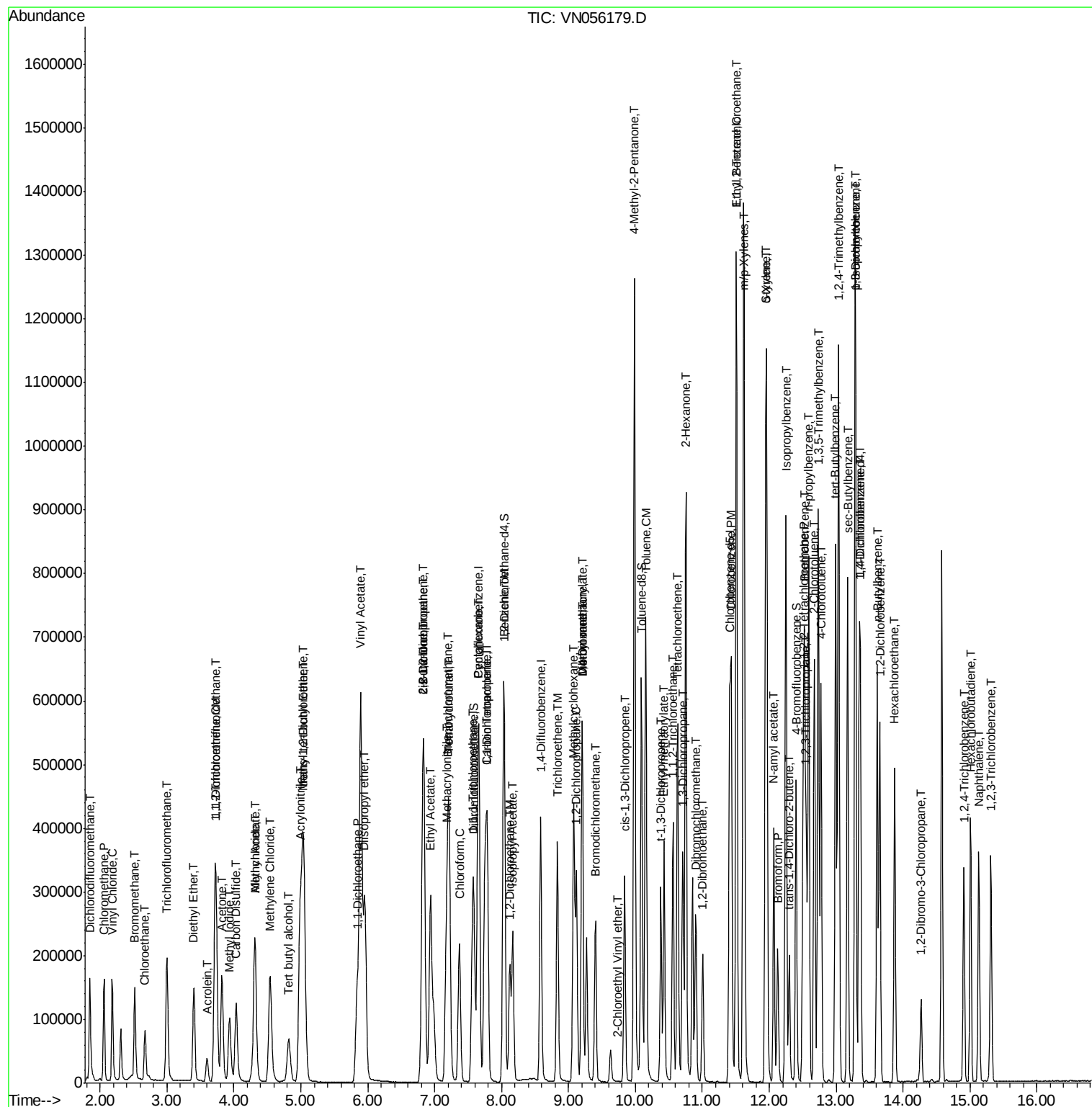
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	120834	40.882	ug/l	100
94) Hexachlorobutadiene	15.01	225	93932	49.998	ug/l	100
95) Naphthalene	15.13	128	330134	42.759	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	137411	44.992	ug/l	100

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

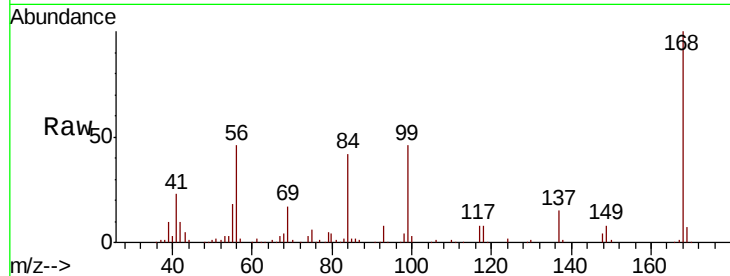
BP-MH-SW4001-SOUTH-20190608M

Tot Ion:168 Resp: 279567

Ion Ratio Lower Upper

168 100

99 44.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

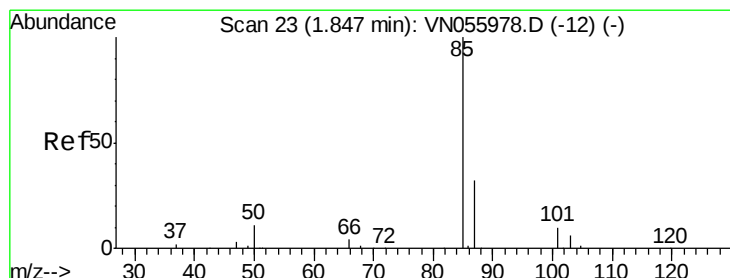
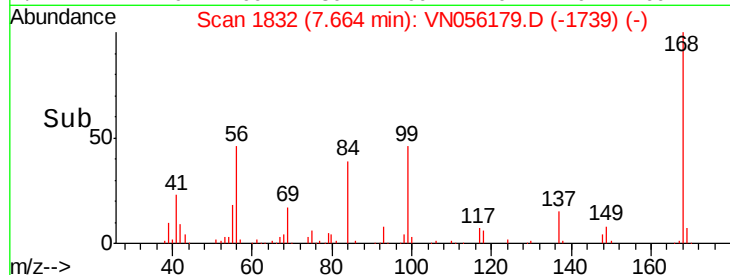
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.110 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056179.D

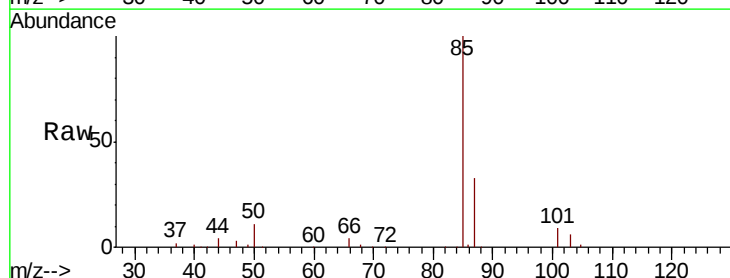
Acq: 10 Jun 2019 19:09

Tgt Ion: 85 Resp: 144625

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

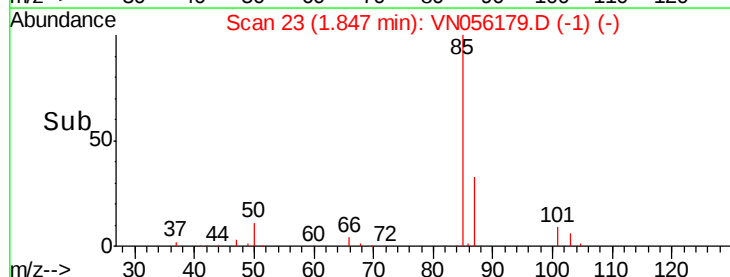
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 50.184 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

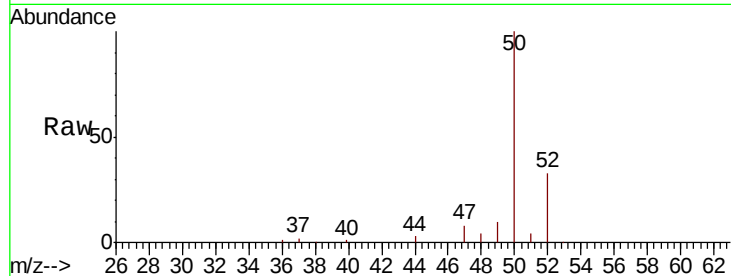
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 50 Resp: 152085

Ion Ratio Lower Upper

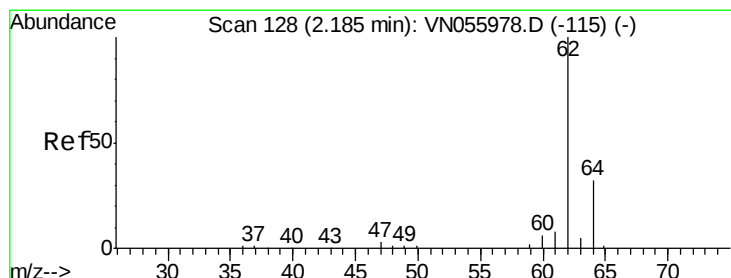
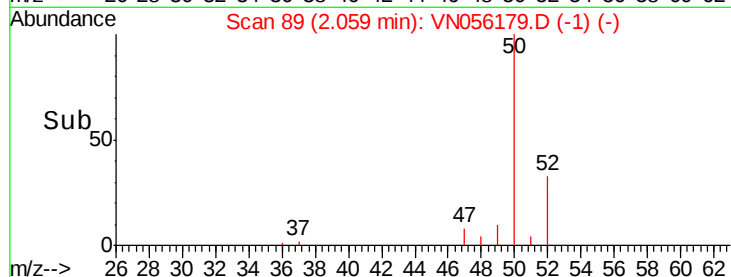
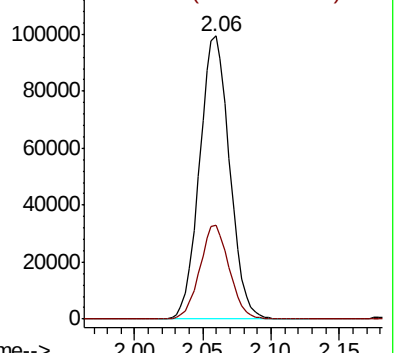
50 100

52 33.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 50.433 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056179.D

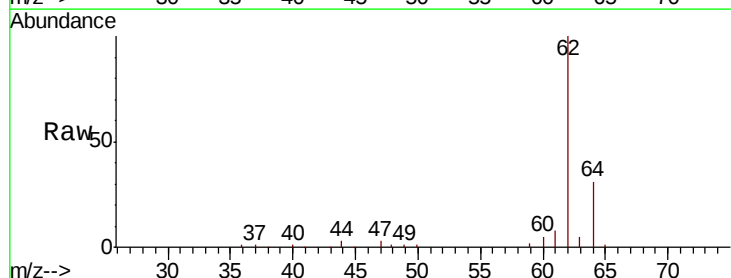
Acq: 10 Jun 2019 19:09

Tgt Ion: 62 Resp: 153312

Ion Ratio Lower Upper

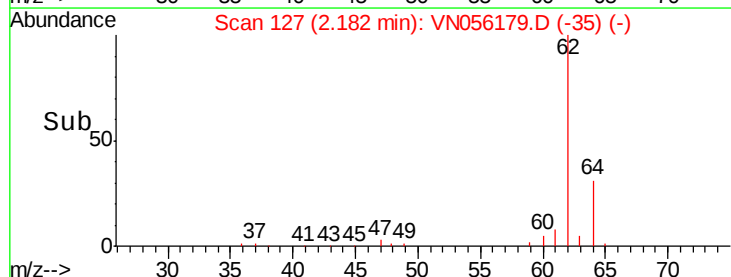
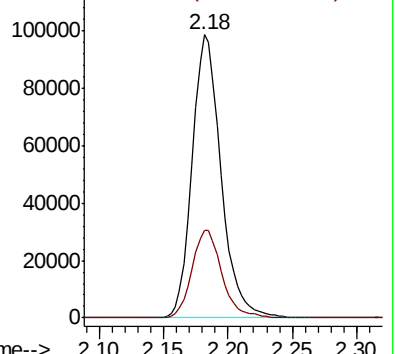
62 100

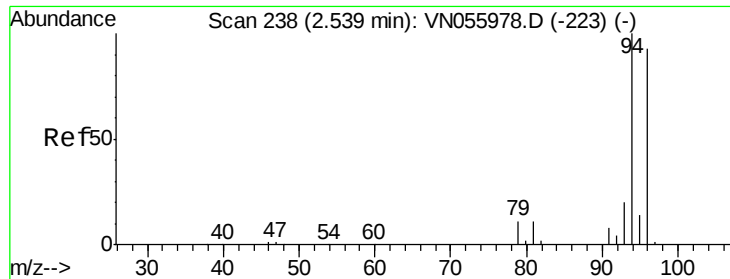
64 31.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

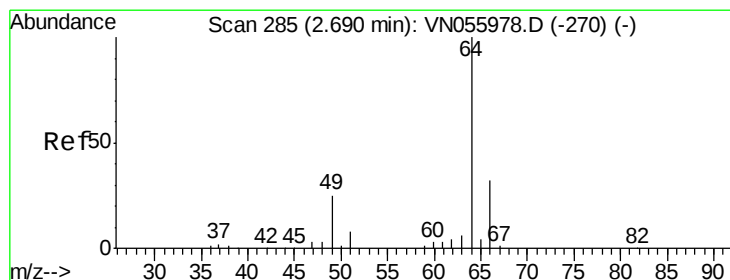
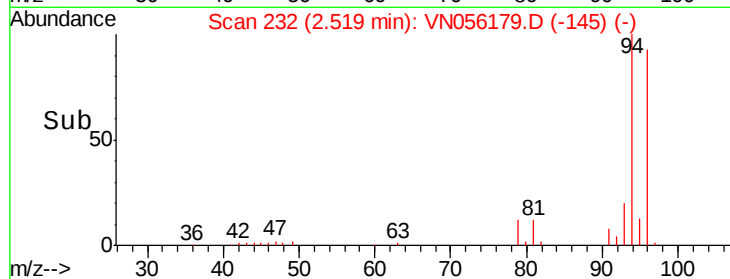
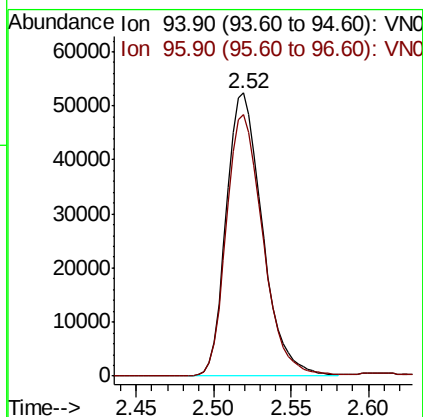
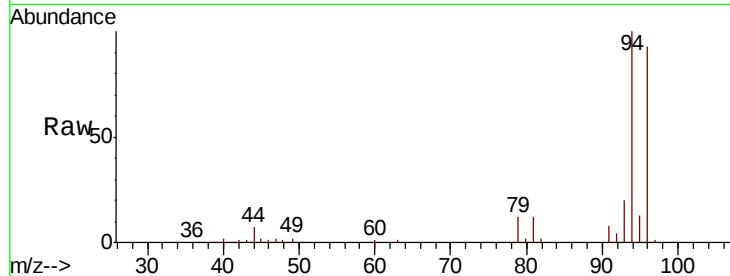




#5
Bromomethane
Concen: 44.200 ug/l
RT: 2.52 min Scan# 232
Delta R.T. -0.02 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

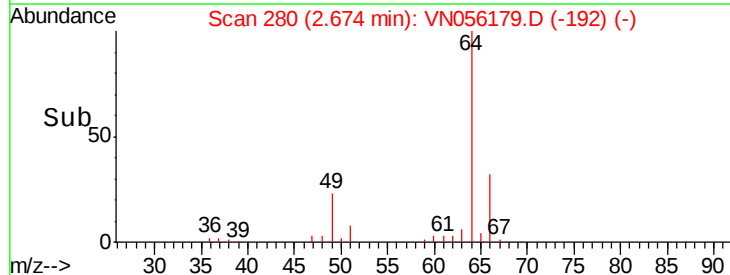
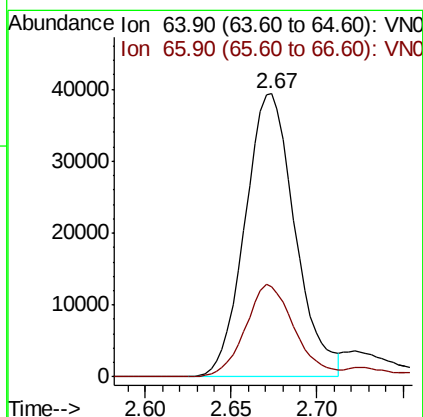
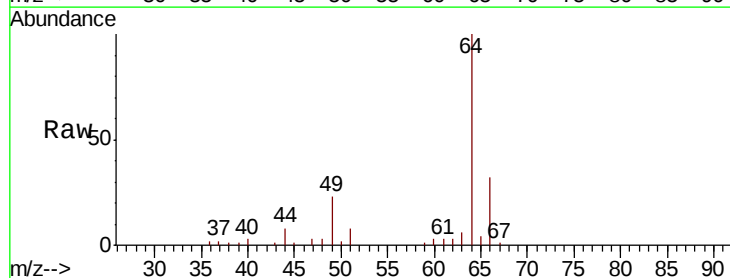
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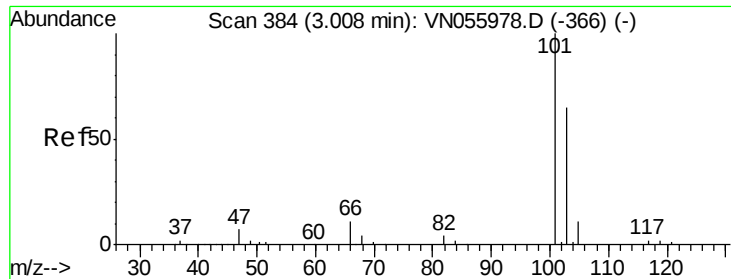
Tot Ion: 94 Resp: 84876
Ion Ratio Lower Upper
94 100
96 92.6 75.5 113.3



#6
Chloroethane
Concen: 45.030 ug/l
RT: 2.67 min Scan# 280
Delta R.T. -0.02 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion: 64 Resp: 79367
Ion Ratio Lower Upper
64 100
66 32.0 25.4 38.0



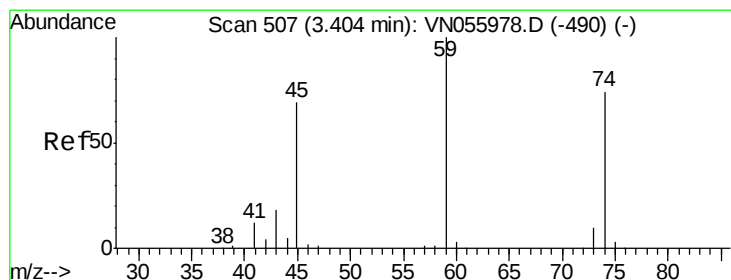
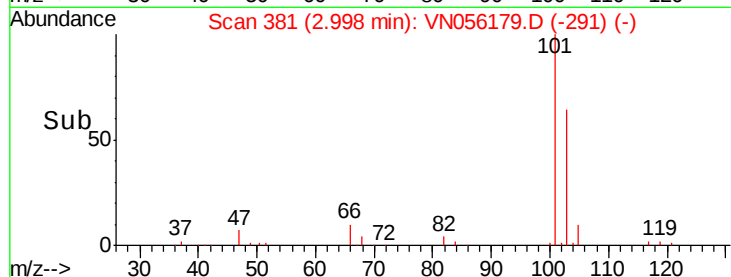
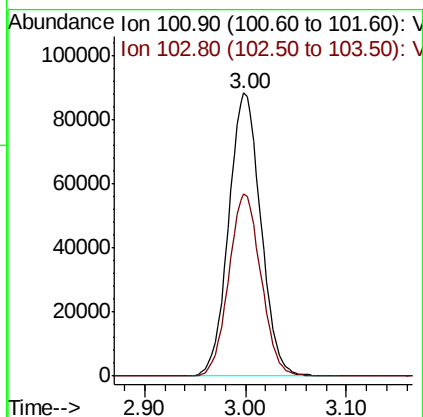
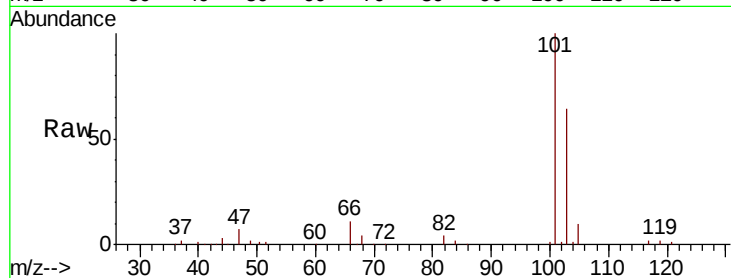


#7

Trichlorofluoromethane
 Concen: 50.461 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

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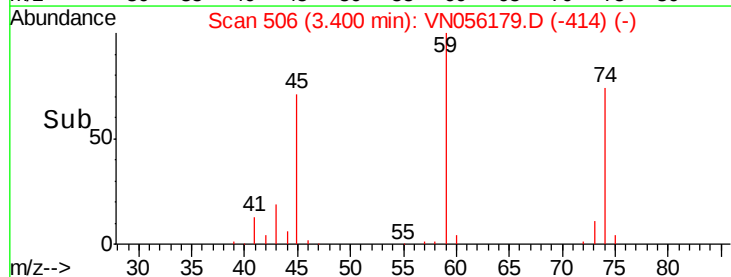
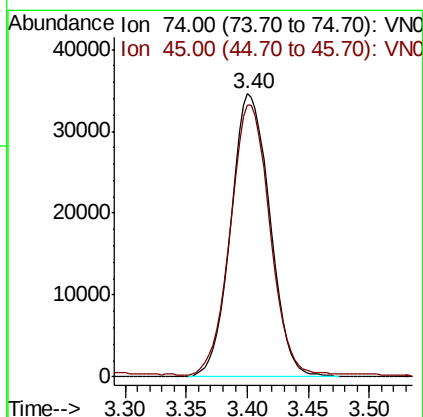
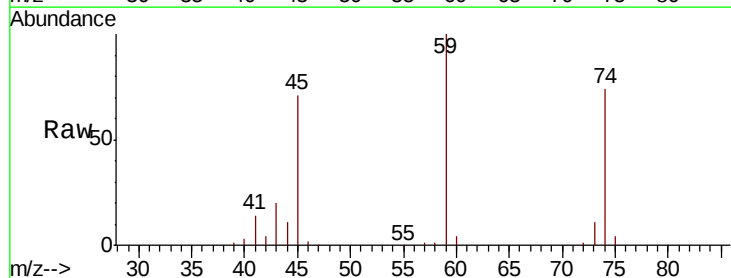
Tot Ion:101 Resp: 195826
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.2 76.8

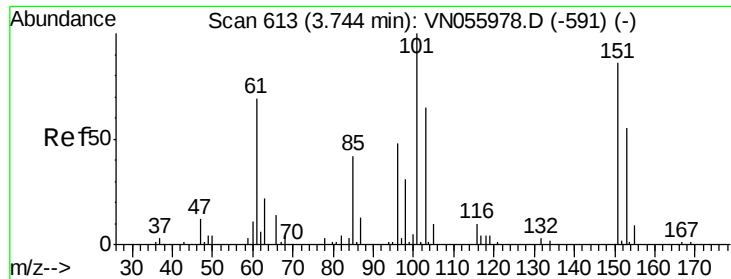


#8

Diethyl Ether
 Concen: 48.020 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion: 74 Resp: 76635
 Ion Ratio Lower Upper
 74 100
 45 96.6 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.131 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

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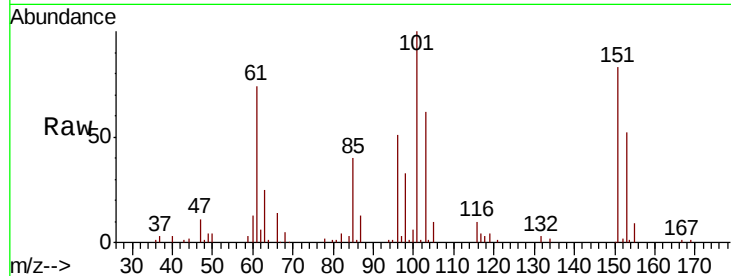
Tot Ion:101 Resp: 122893

Ion Ratio Lower Upper

101 100

85 40.9 33.4 50.2

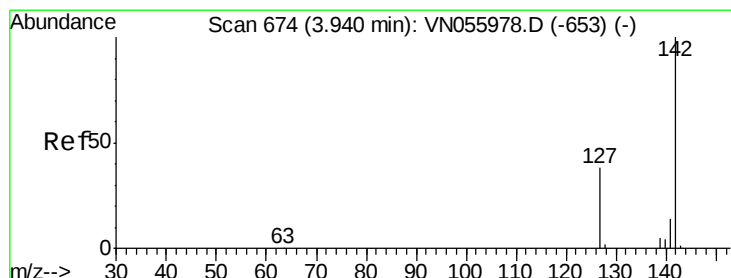
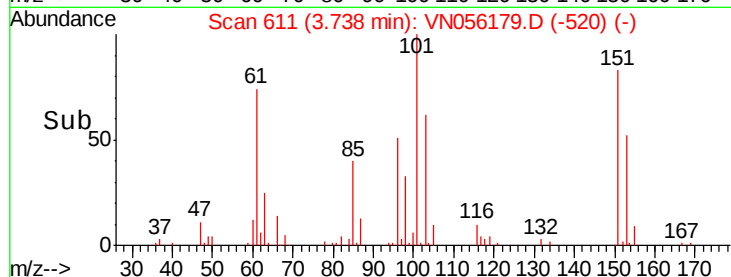
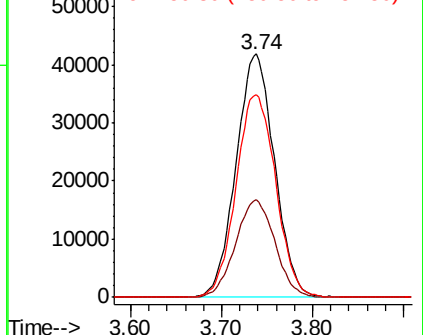
151 86.0 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.212 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

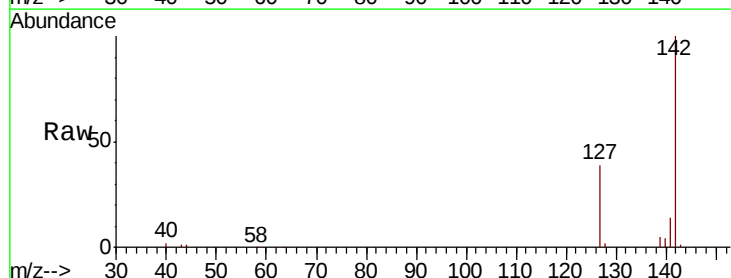
Tgt Ion:142 Resp: 180614

Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.4

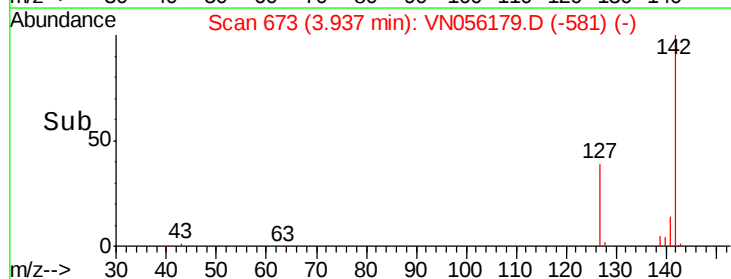
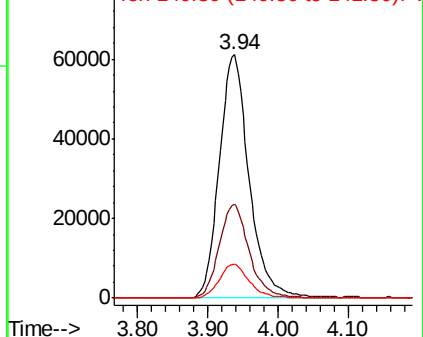
141 13.8 11.4 17.0

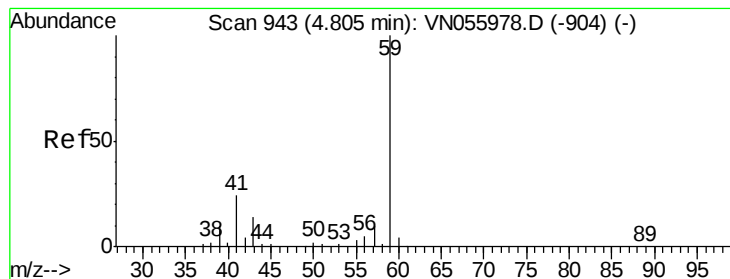


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



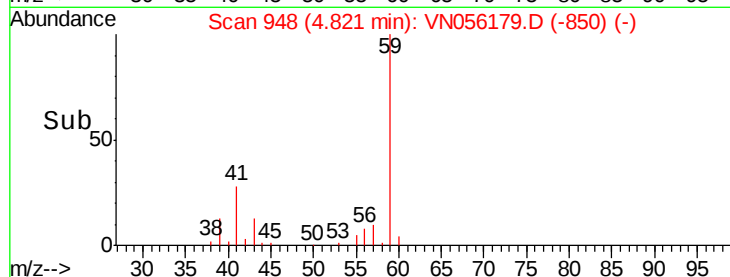
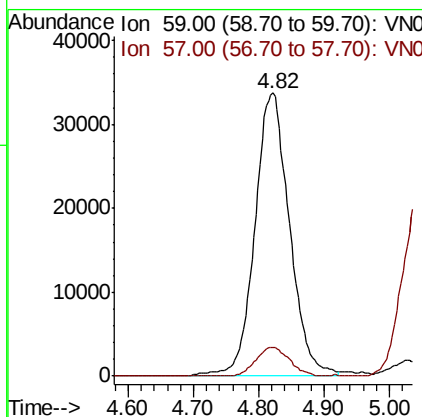
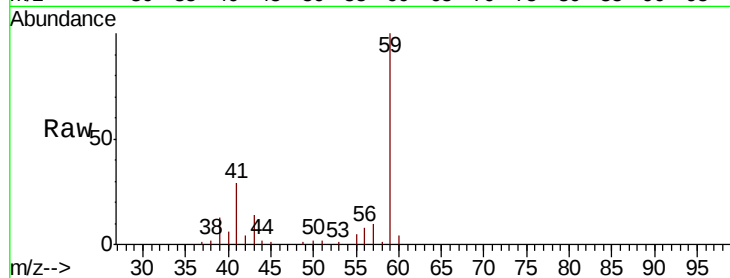


#11

Tert butyl alcohol
 Concen: 258.317 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.02 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

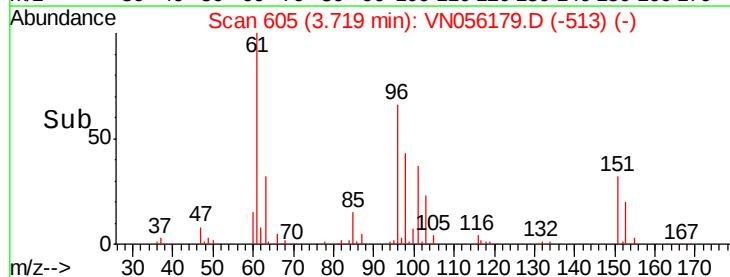
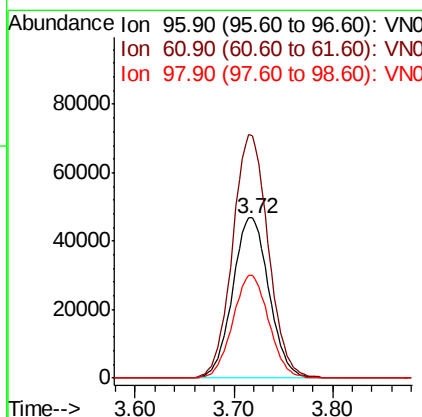
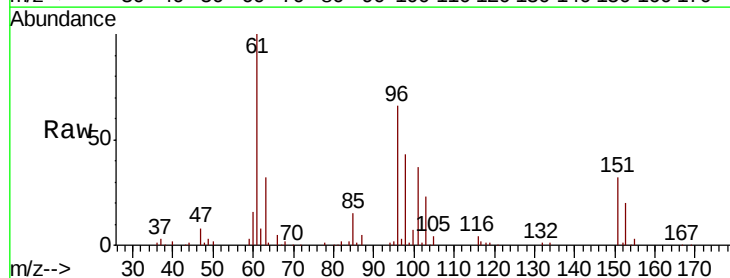
Tot Ion: 59 Resp: 124783
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.8 11.6

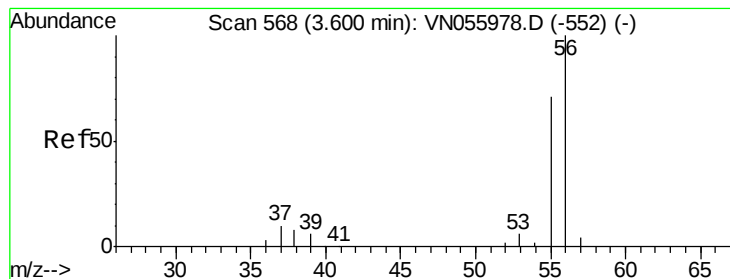


#12

1,1-Dichloroethene
 Concen: 51.054 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion: 96 Resp: 119820
 Ion Ratio Lower Upper
 96 100
 61 151.1 123.2 184.8
 98 64.2 50.4 75.6





#13

Acrolein

Concen: 302.451 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

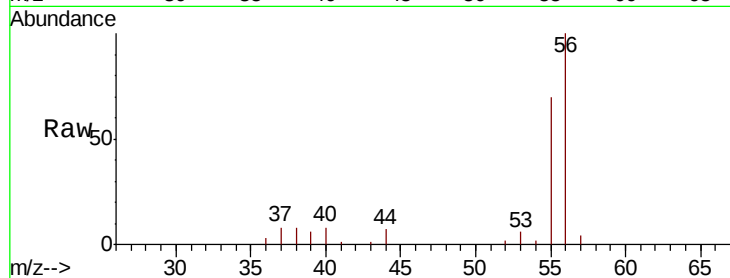
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 56 Resp: 42137

Ion Ratio Lower Upper

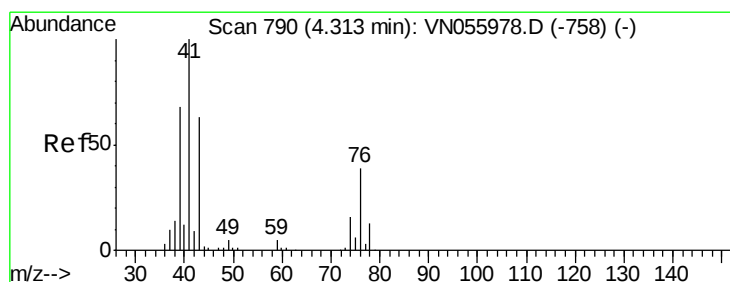
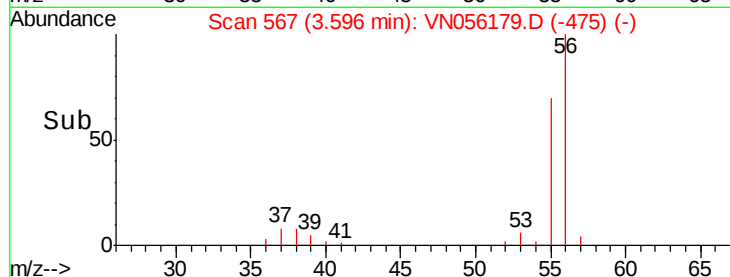
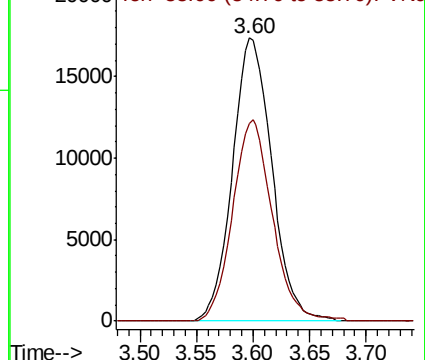
56 100

55 71.8 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN055978.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN055978.D (-552) (-)



#14

Allyl chloride

Concen: 50.681 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

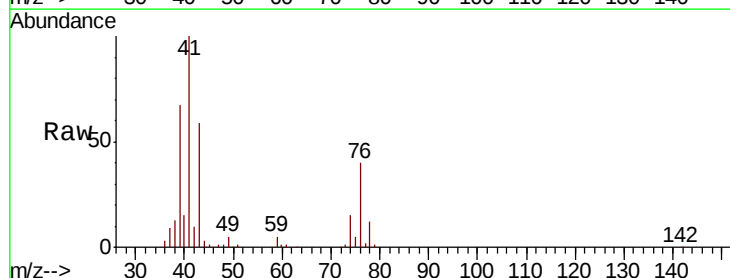
Tgt Ion: 41 Resp: 187821

Ion Ratio Lower Upper

41 100

39 61.5 50.0 75.0

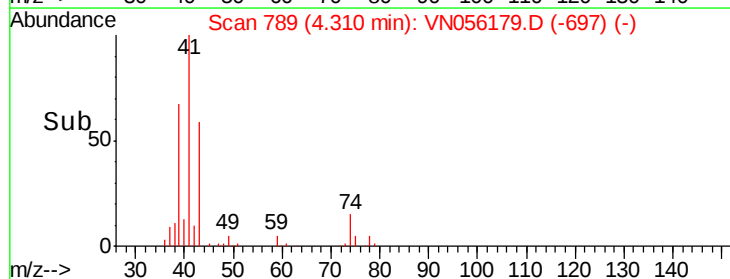
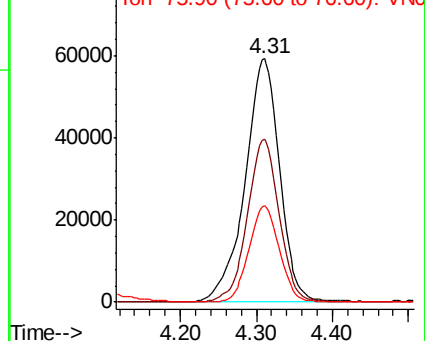
76 34.7 28.2 42.2

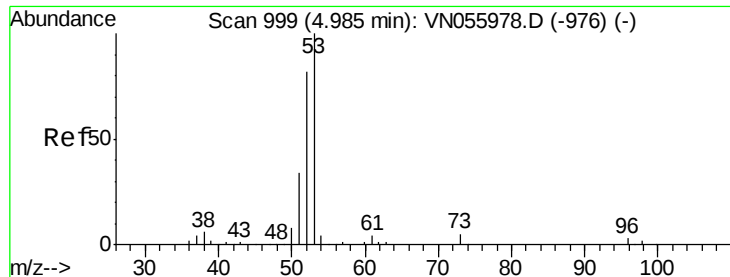


Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-758) (-)

Ion 39.00 (38.70 to 39.70): VN055978.D (-758) (-)

Ion 75.90 (75.60 to 76.60): VN055978.D (-758) (-)





#15

Acrylonitrile

Concen: 293.199 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

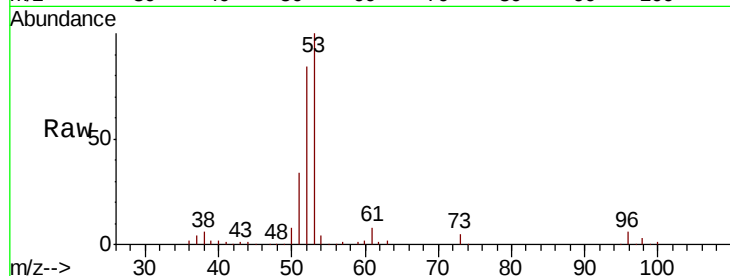
Tot Ion: 53 Resp: 344774

Ion Ratio Lower Upper

53 100

52 82.2 65.8 98.8

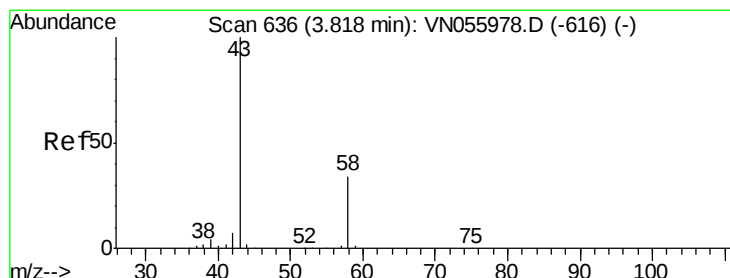
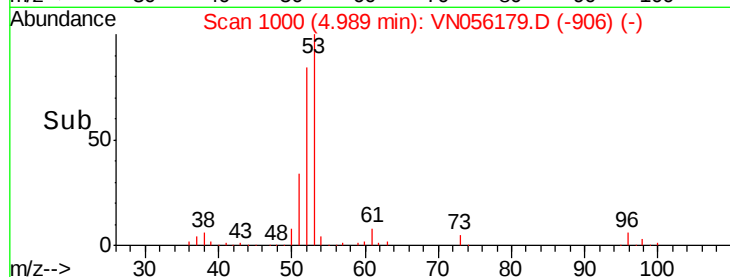
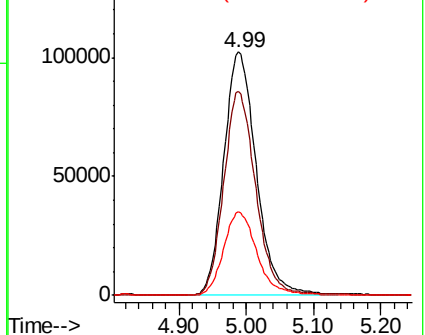
51 35.2 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 208.043 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056179.D

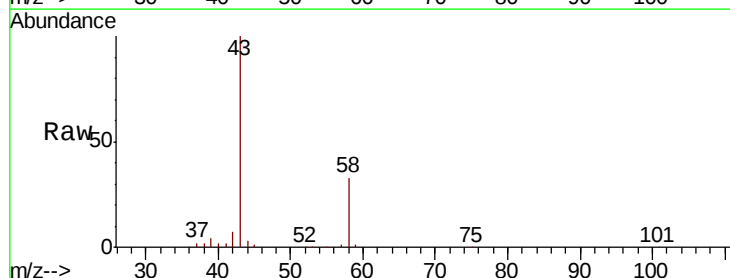
Acq: 10 Jun 2019 19:09

Tgt Ion: 43 Resp: 276200

Ion Ratio Lower Upper

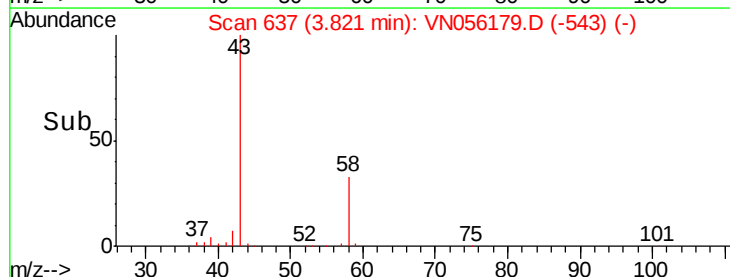
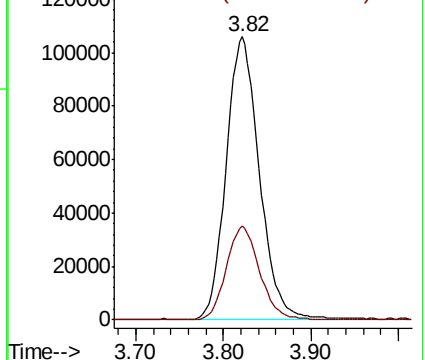
43 100

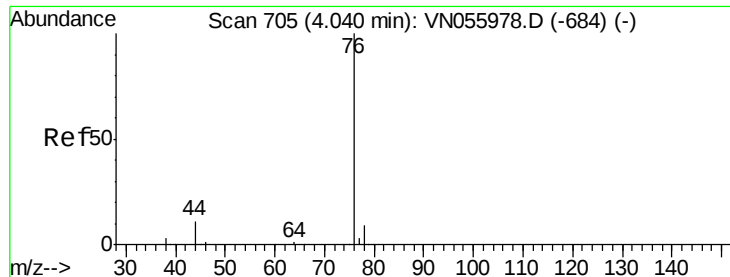
58 33.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

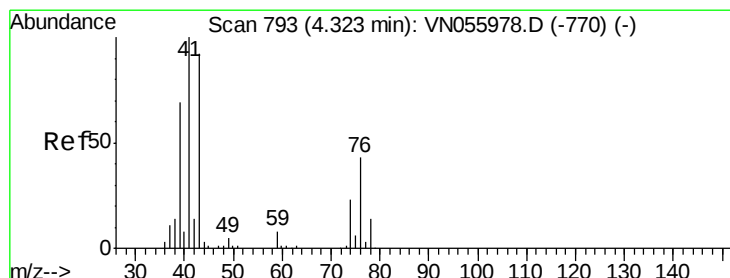
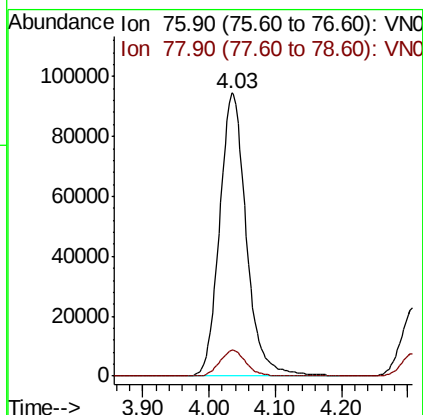
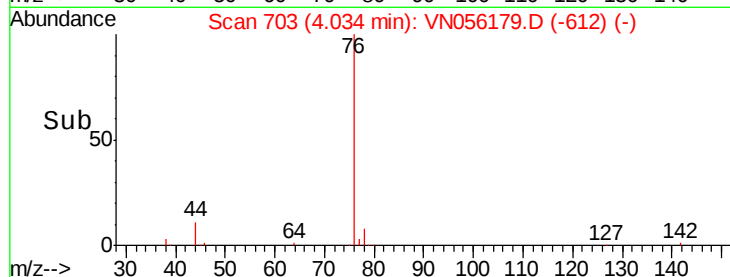
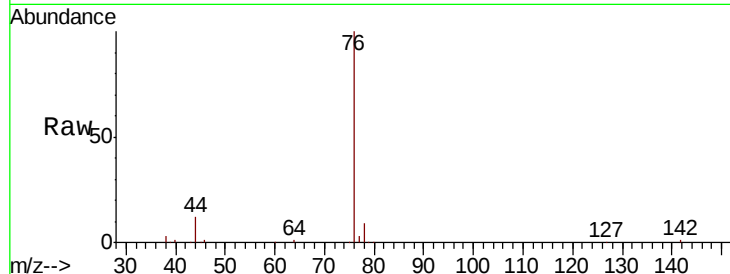




#17
Carbon Disulfide
Concen: 47.097 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

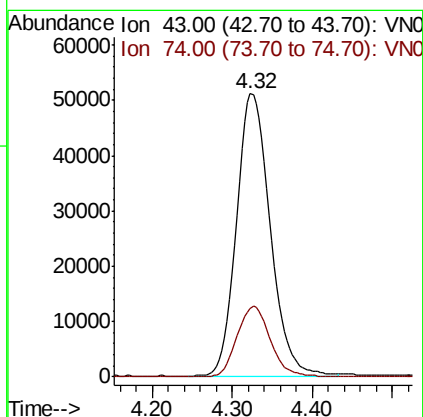
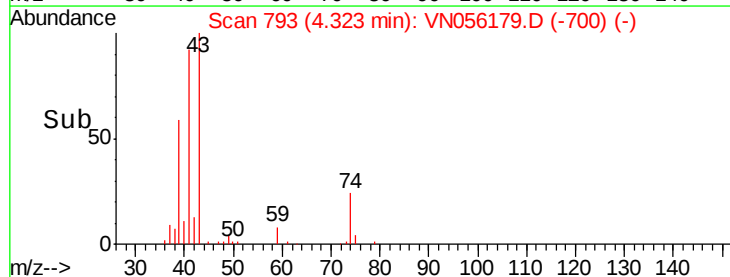
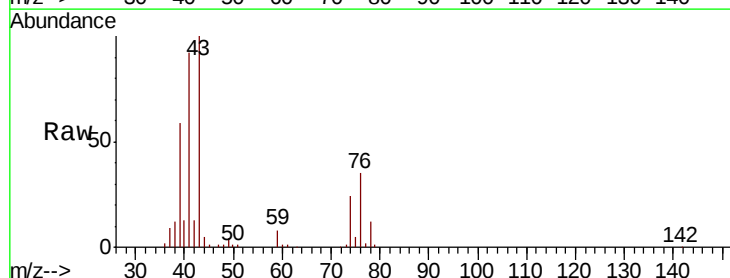
Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 76 Resp: 264658
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 56.514 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion: 43 Resp: 147182
Ion Ratio Lower Upper
43 100
74 24.5 19.3 28.9

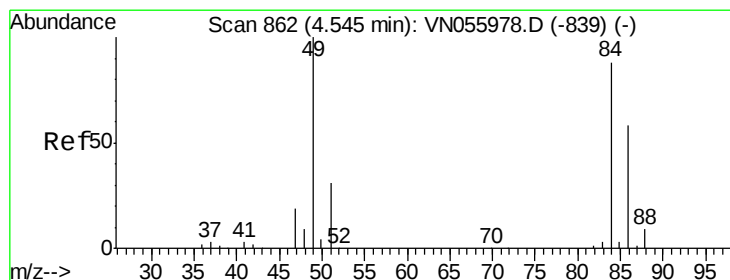
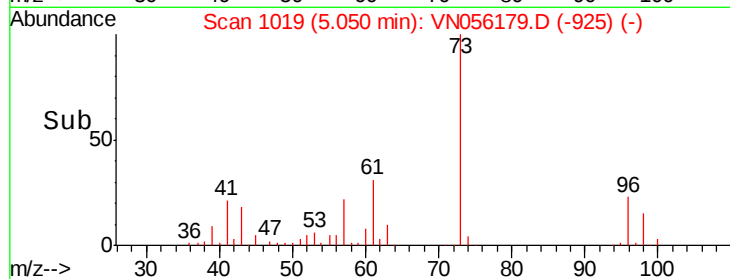
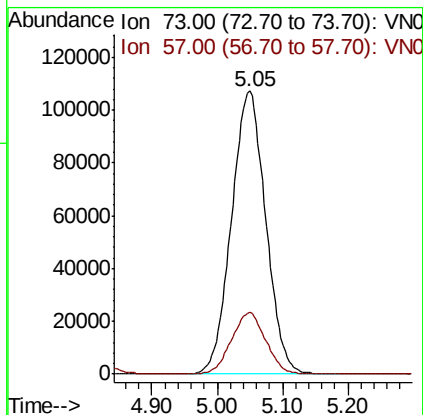
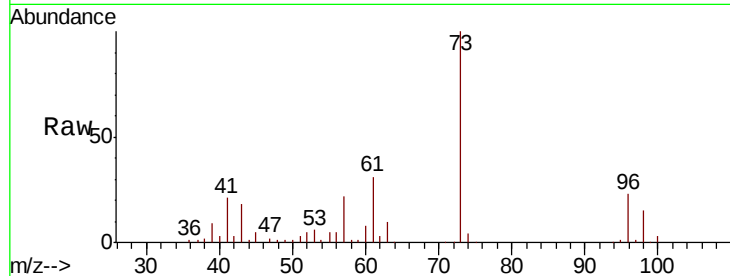




#19
Methvl tert-butvl Ether
Concen: 52.211 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

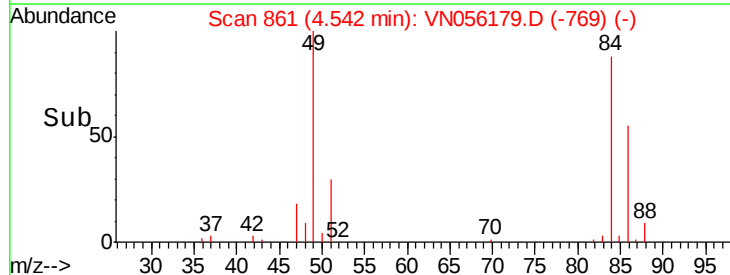
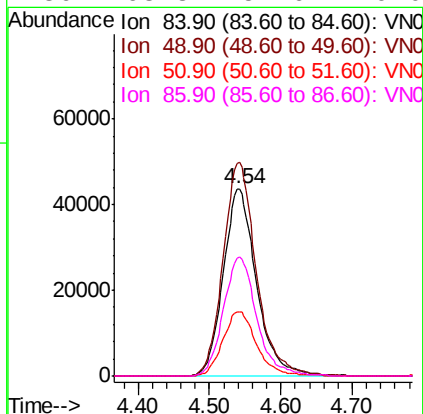
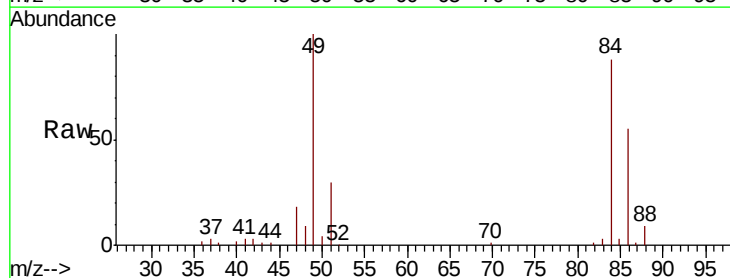
Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

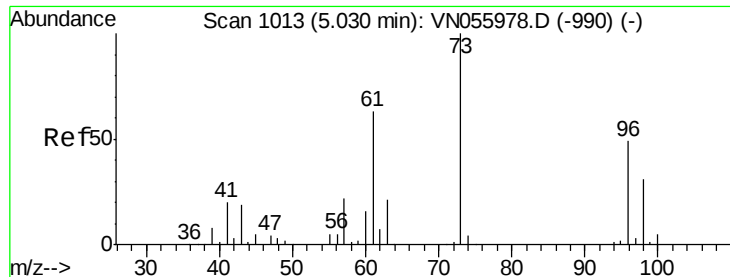
Tot Ion: 73 Resp: 390588
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8



#20
Methylene Chloride
Concen: 51.690 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion: 84 Resp: 141382
Ion Ratio Lower Upper
84 100
49 114.2 93.5 140.3
51 34.5 28.6 43.0
86 63.3 52.6 79.0

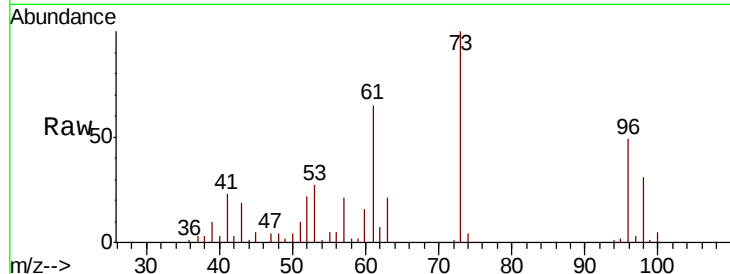




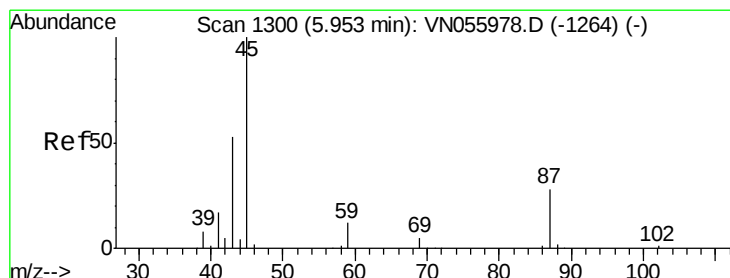
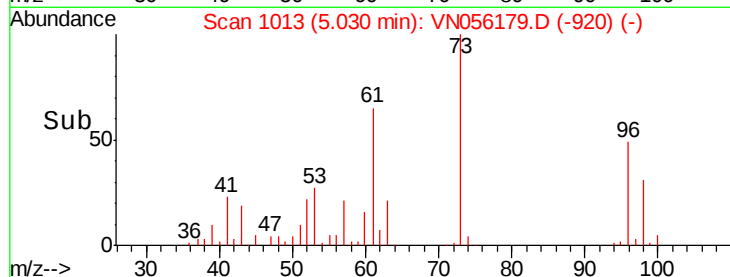
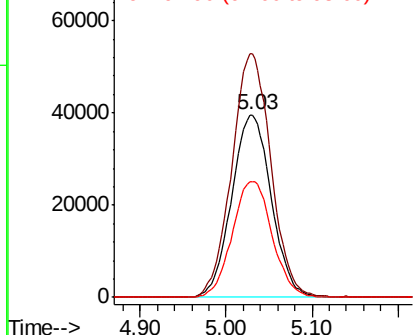
#21
trans-1,2-Dichloroethene
Concen: 50.355 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 96 Resp: 126624
Ion Ratio Lower Upper
96 100
61 133.6 107.8 161.8
98 63.7 49.8 74.8

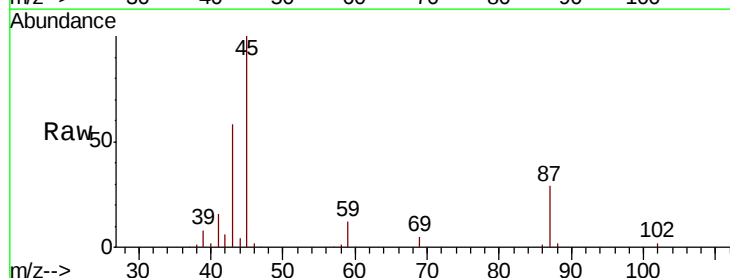


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

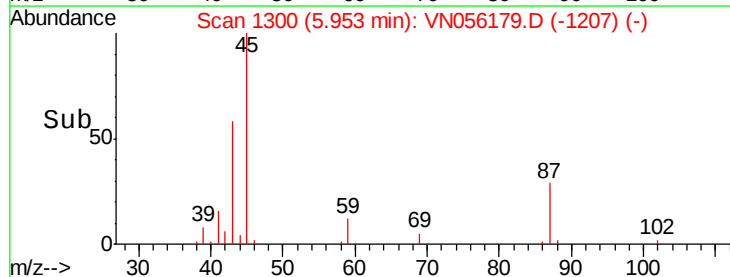
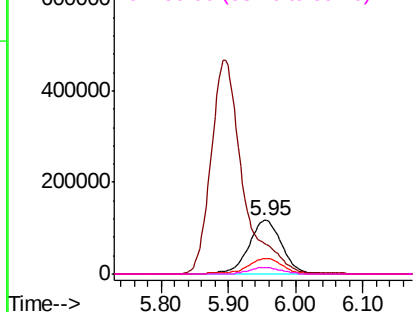


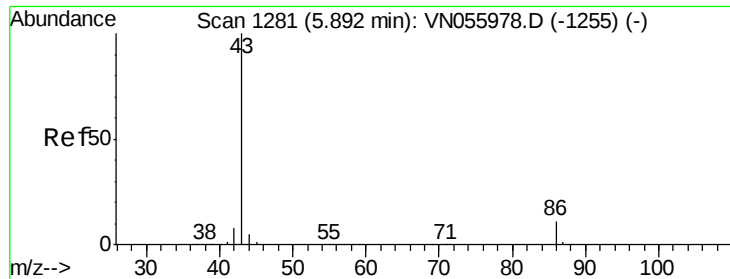
#22
Diisopropyl ether
Concen: 52.361 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion: 45 Resp: 401121
Ion Ratio Lower Upper
45 100
43 56.3 45.0 67.6
87 28.7 22.2 33.4
59 11.6 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 255.285 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

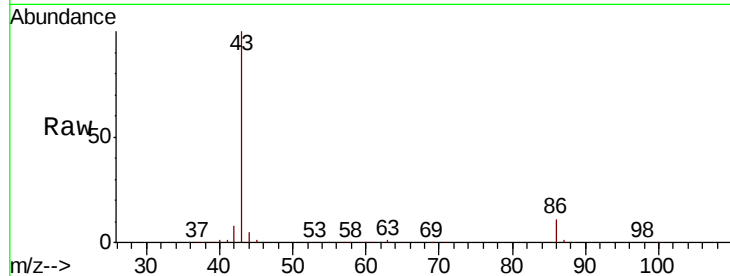
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 43 Resp: 1540081

Ion Ratio Lower Upper

43 100

86 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN055978.D (-1255) (-)

5.90

500000

400000

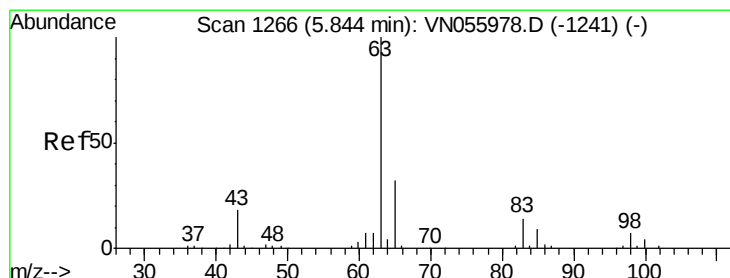
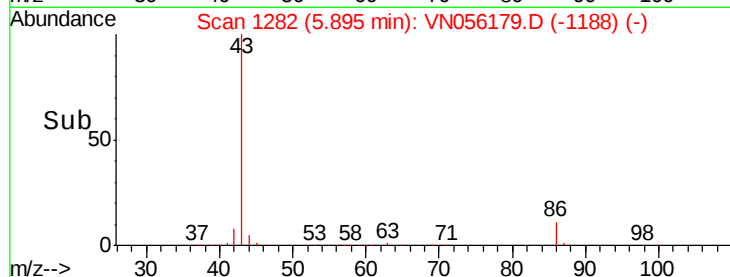
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 53.345 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

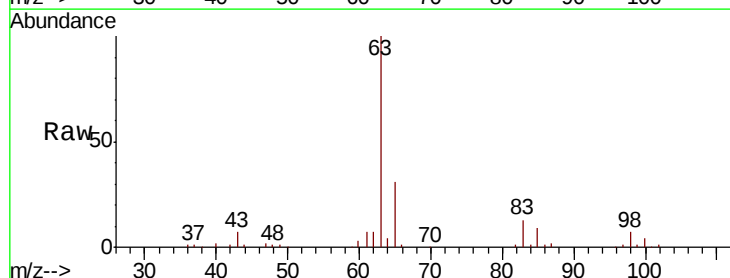
Tgt Ion: 63 Resp: 235731

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.1 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055978.D (-1241) (-)

100000

80000

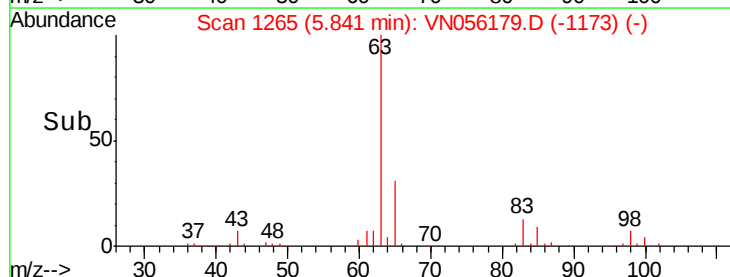
60000

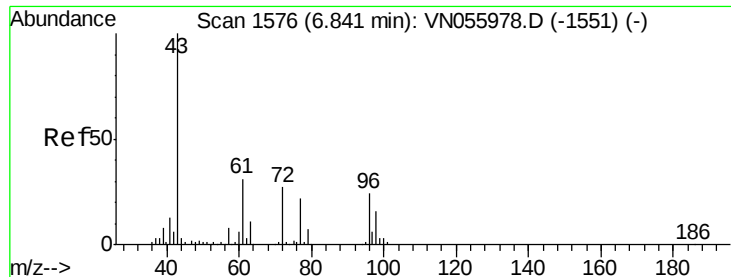
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

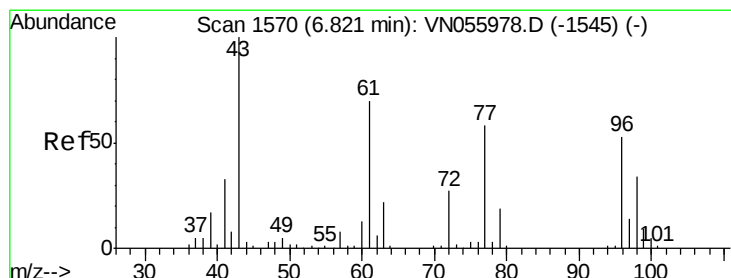
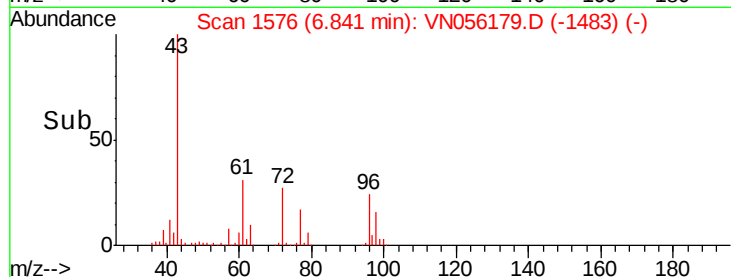
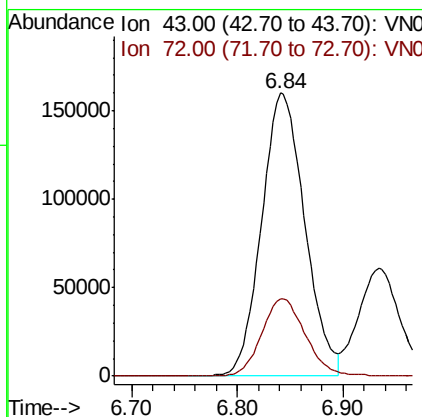
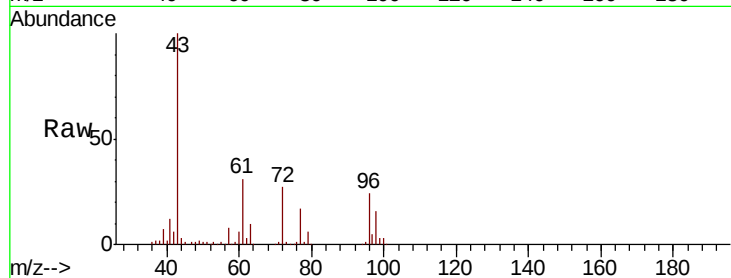




#25
2-Butanone
Concen: 270.749 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

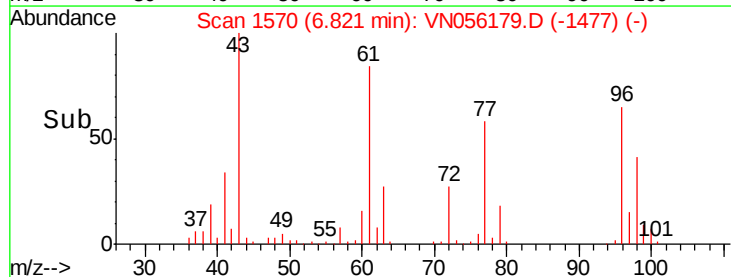
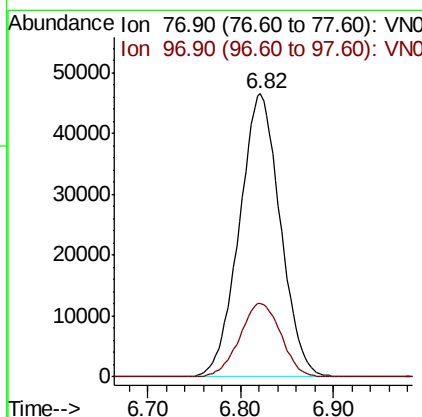
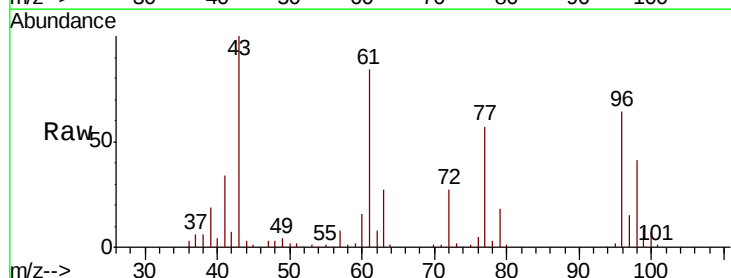
Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

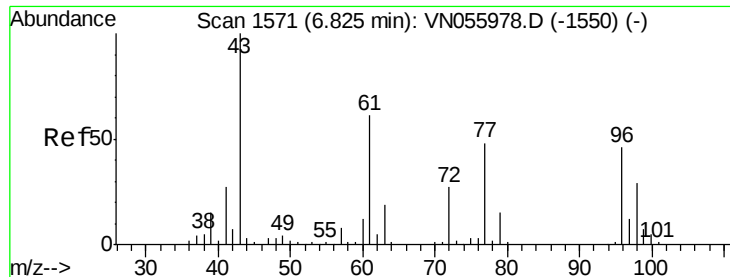
Tot Ion: 43 Resp: 454153
Ion Ratio Lower Upper
43 100
72 27.1 21.9 32.9



#26
2,2-Dichloropropane
Concen: 41.328 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion: 77 Resp: 142507
Ion Ratio Lower Upper
77 100
97 26.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.348 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

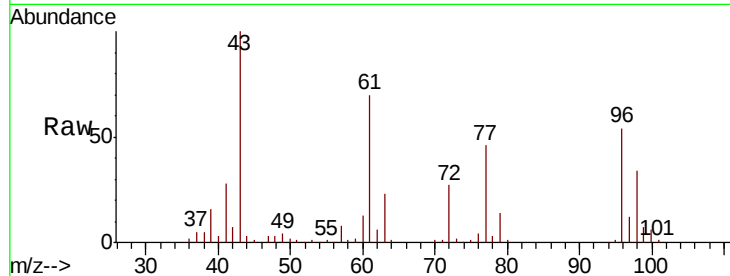
Tot Ion: 96 Resp: 151780

Ion Ratio Lower Upper

96 100

61 132.2 0.0 275.8

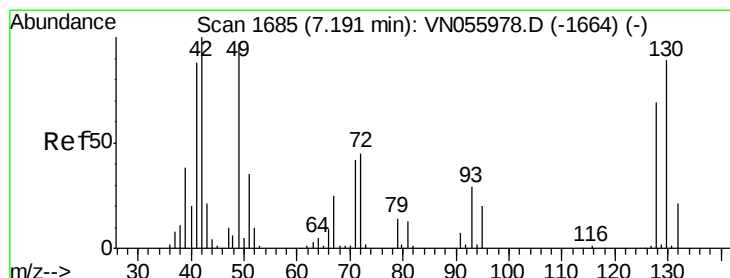
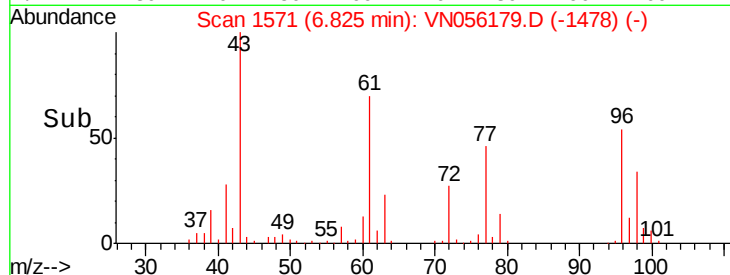
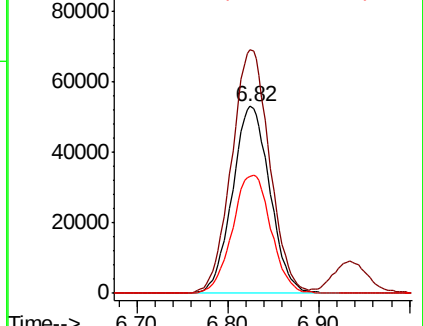
98 64.8 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 54.624 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

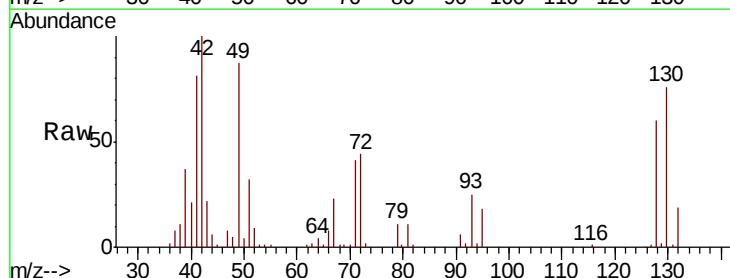
Tgt Ion: 49 Resp: 114150

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

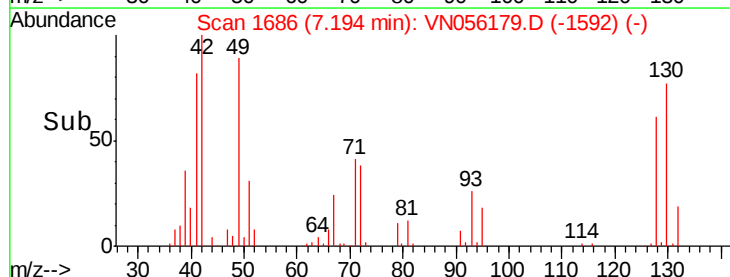
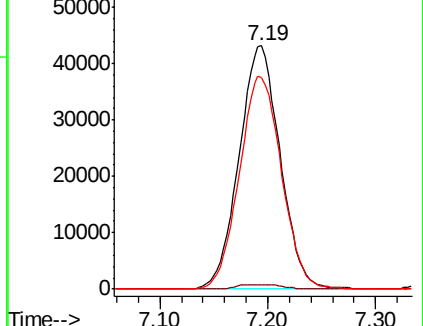
130 89.7 71.2 106.8

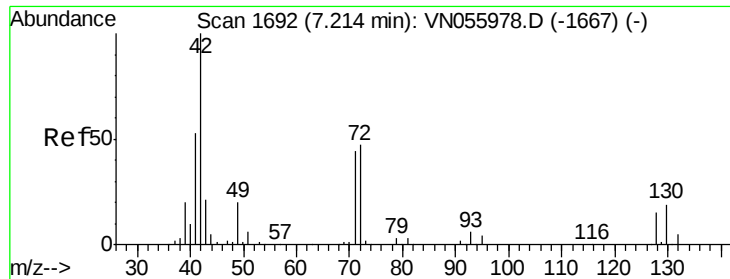


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

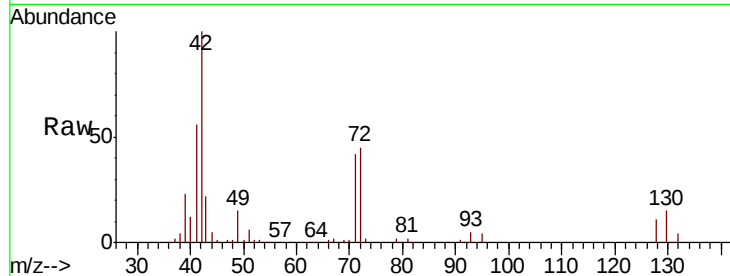




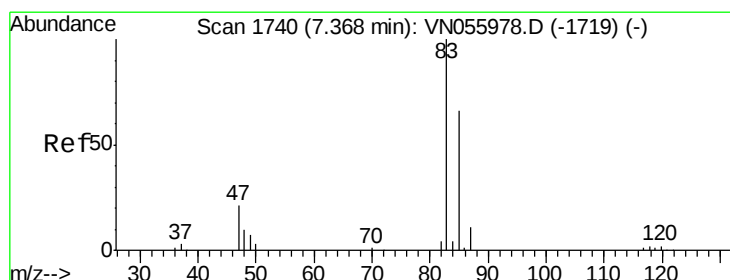
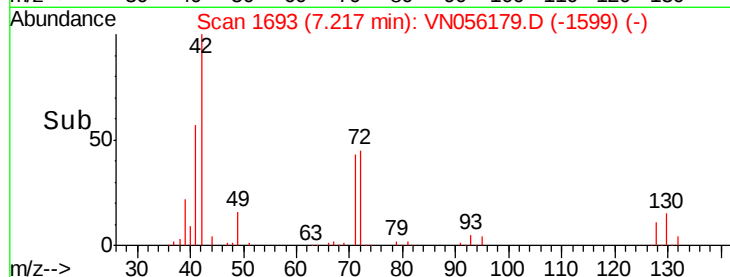
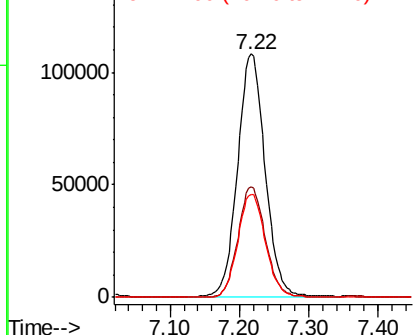
#29
Tetrahydrofuran
Concen: 291.485 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.9	53.9
71	42.3	34.0	51.0

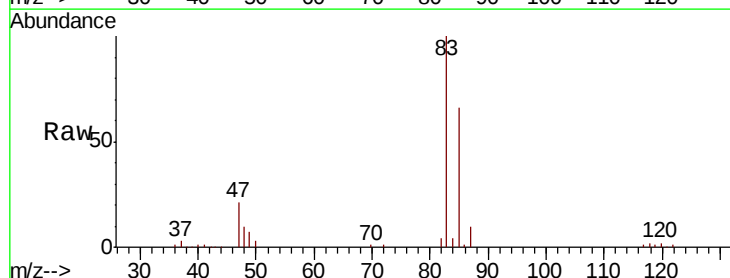


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

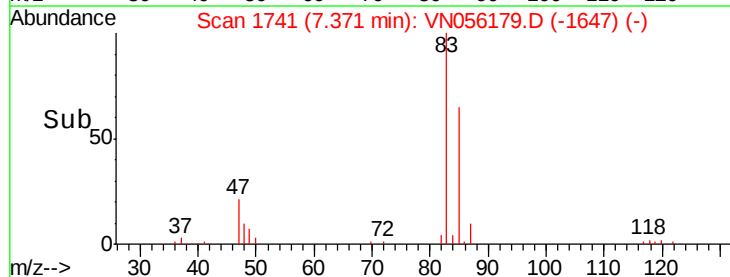
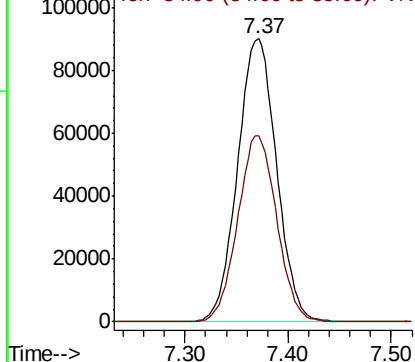


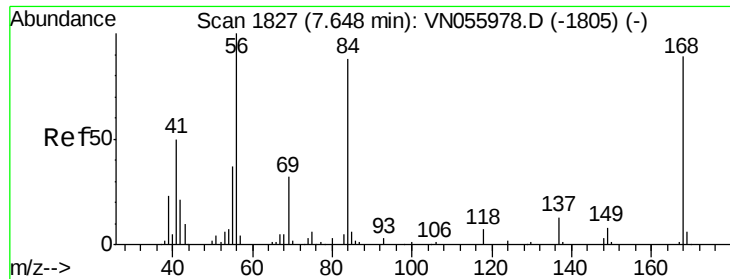
#30
Chloroform
Concen: 53.268 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8



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





#31

Cyclohexane

Concen: 46.561 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

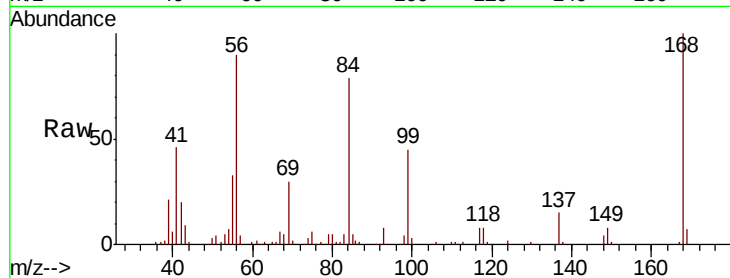
Tot Ion: 56 Resp: 205087

Ion Ratio Lower Upper

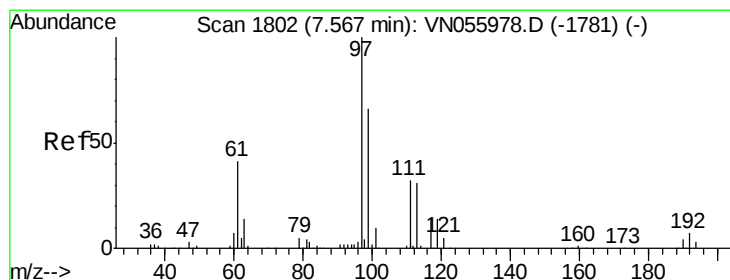
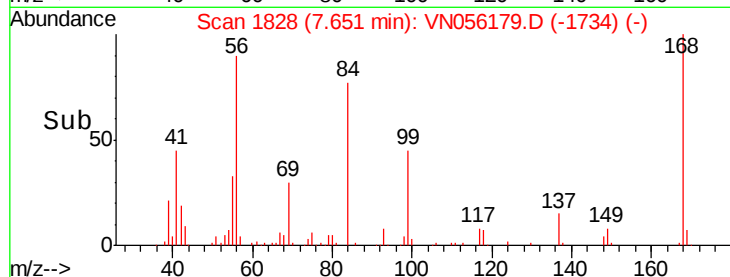
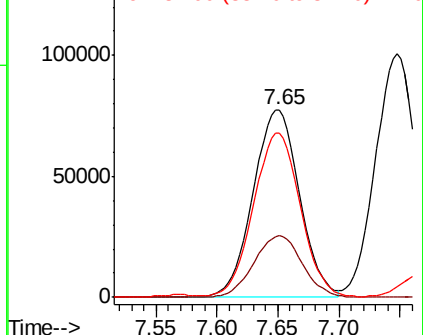
56 100

69 32.9 25.6 38.4

84 86.7 67.4 101.0



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



#32

1,1,1-Trichloroethane

Concen: 52.821 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

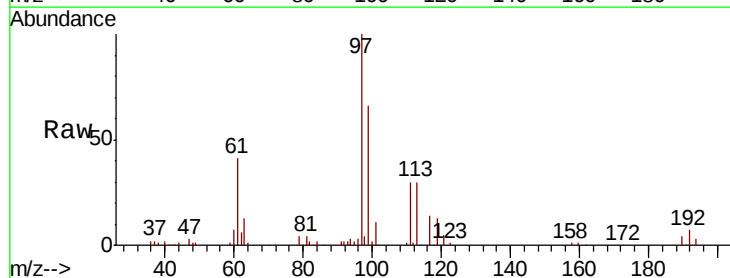
Tgt Ion: 97 Resp: 196079

Ion Ratio Lower Upper

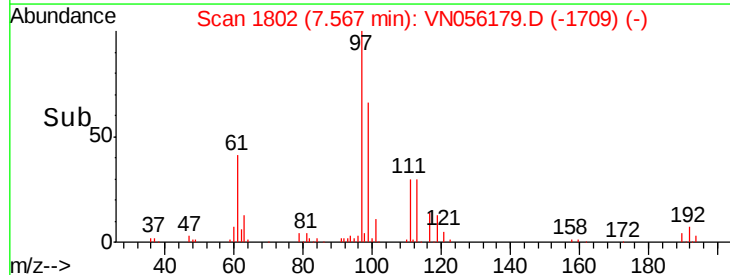
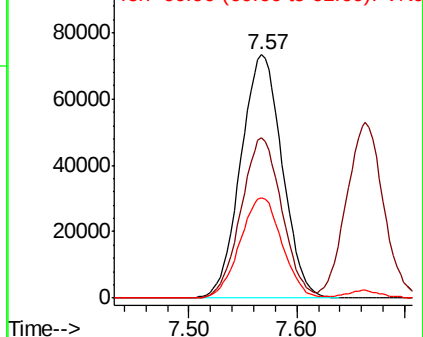
97 100

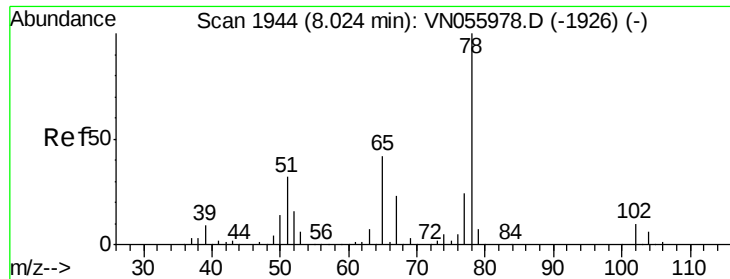
99 64.9 52.0 78.0

61 41.9 32.9 49.3



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

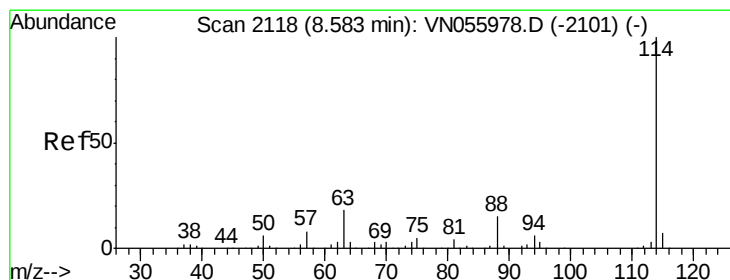
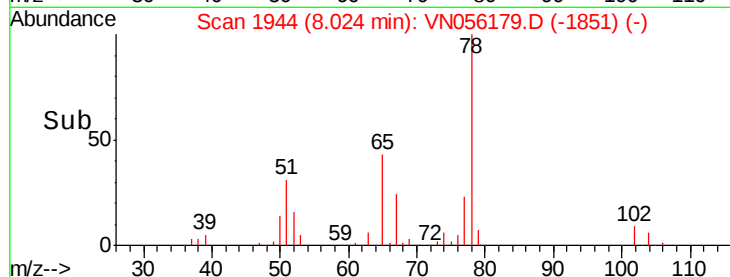
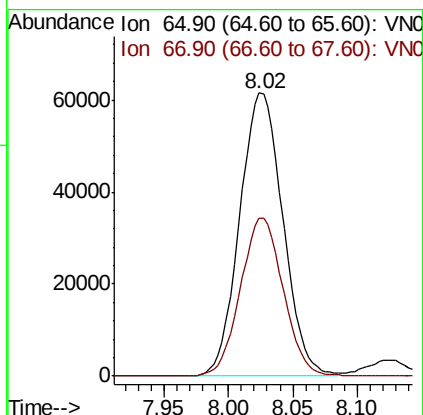
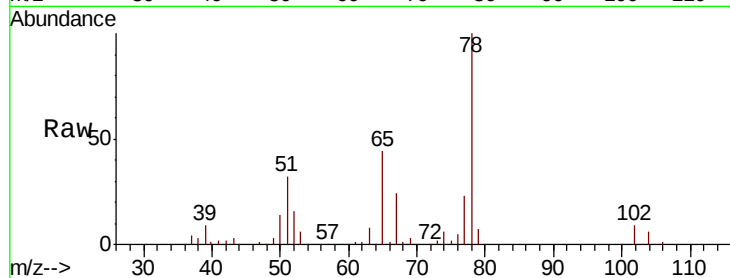




#33
 1,2-Dichloroethane-d4
 Concen: 51.776 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

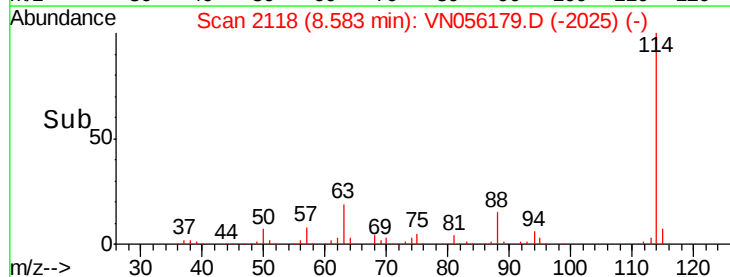
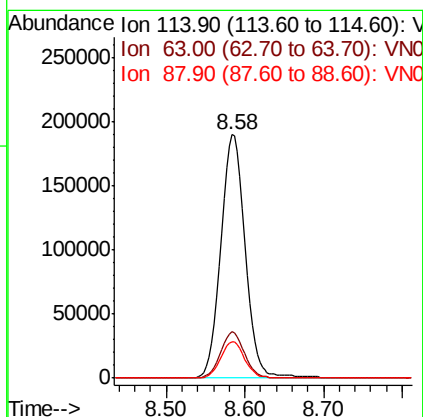
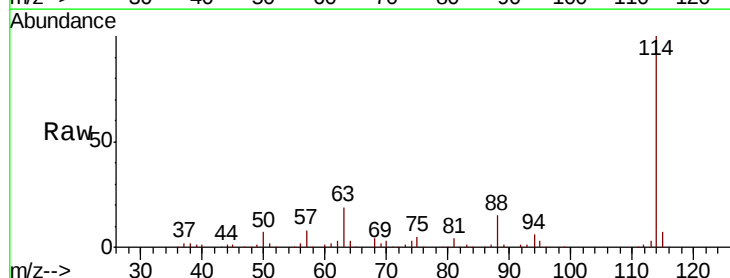
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

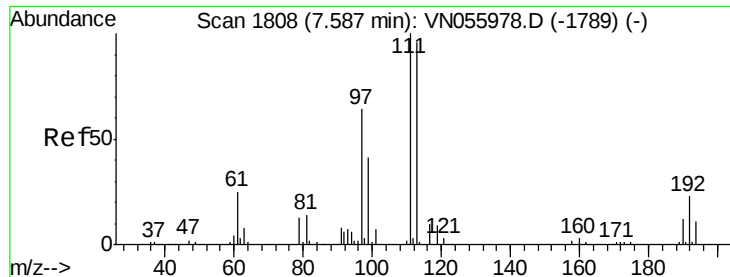
Tot Ion: 65 Resp: 143724
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion: 114 Resp: 405463
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.1 0.0 31.0

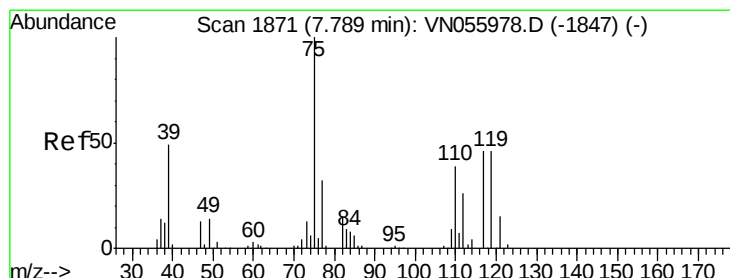
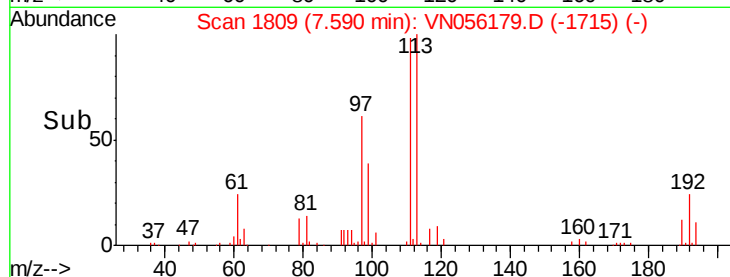
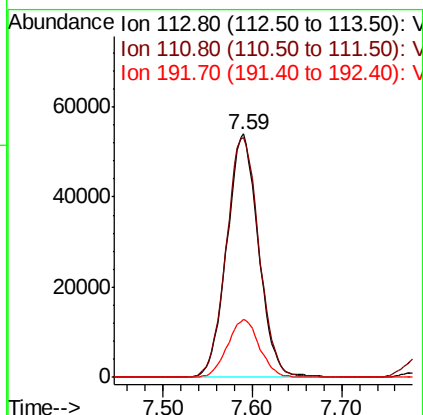
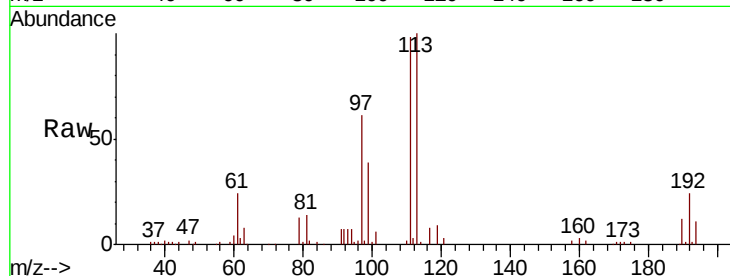




#35
 Dibromofluoromethane
 Concen: 53.190 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

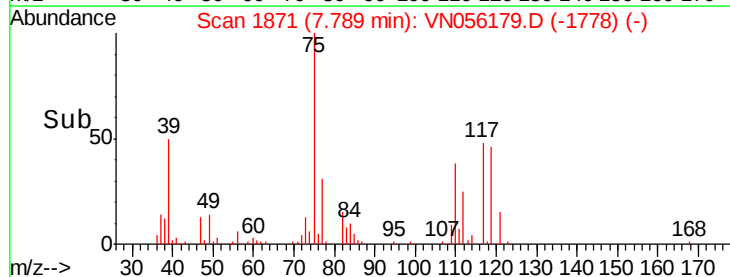
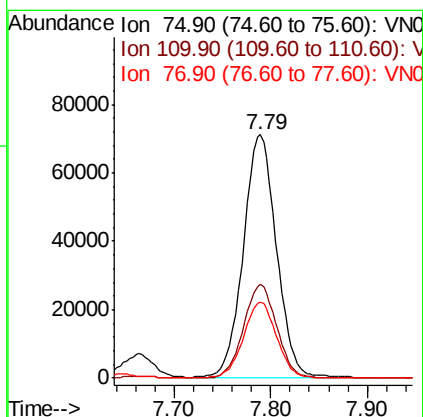
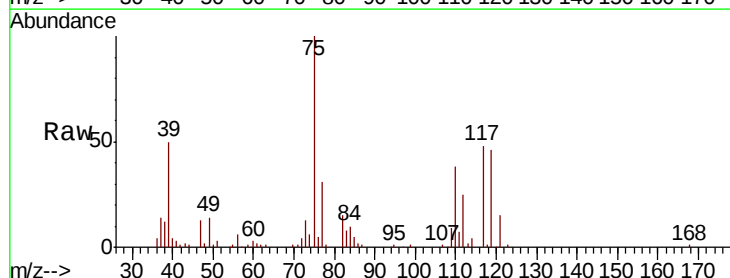
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

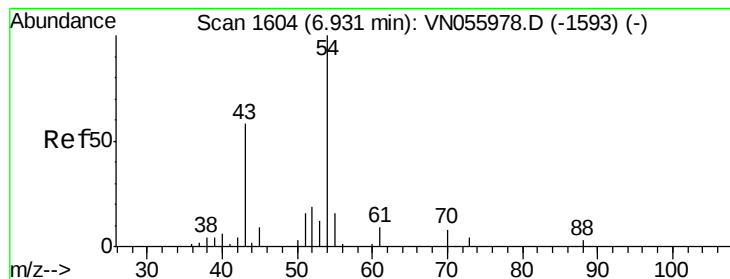
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	24.0	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 48.380 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.0	57.0
77	31.5	25.1	37.7





#37

Ethyl Acetate

Concen: 54.312 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

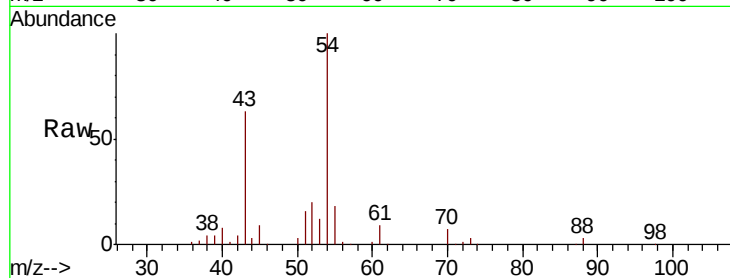
Tot Ion: 43 Resp: 168481

Ion Ratio Lower Upper

43 100

61 15.0 12.2 18.2

70 10.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-1593) (-)

Ion 70.00 (69.70 to 70.70): VN055978.D (-1593) (-)

200000

150000

100000

50000

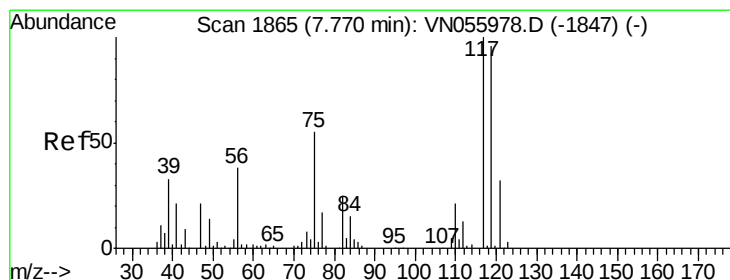
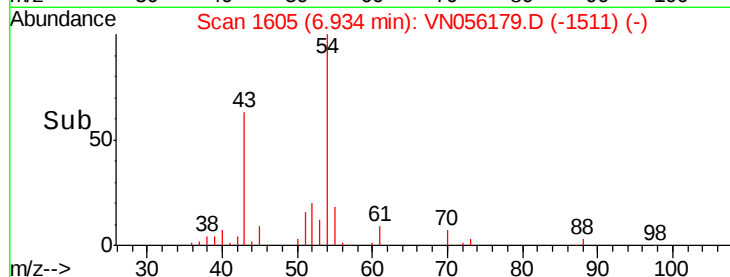
0

6.93

6.90

7.00

Time-->



#38

Carbon Tetrachloride

Concen: 52.033 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

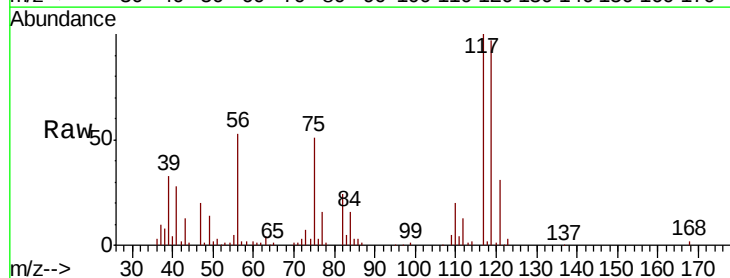
Tgt Ion: 117 Resp: 167250

Ion Ratio Lower Upper

117 100

119 97.6 79.0 118.6

121 31.2 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055978.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055978.D (-1847) (-)

80000

60000

40000

20000

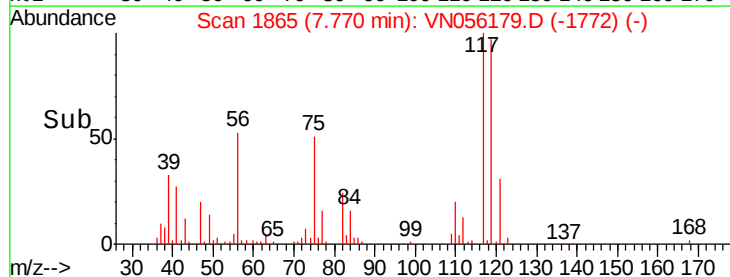
0

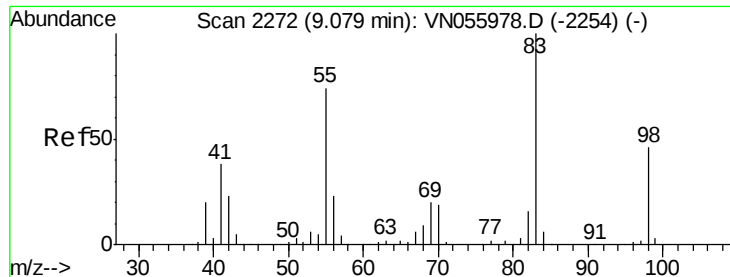
7.77

7.70

7.80

Time-->

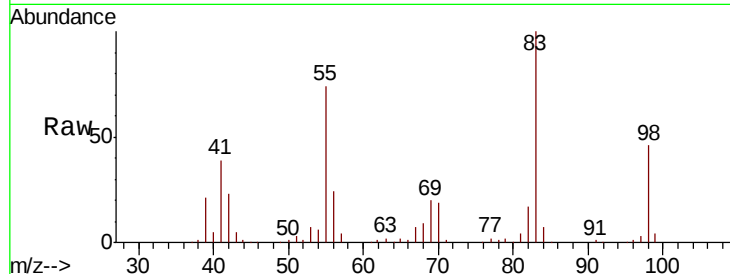




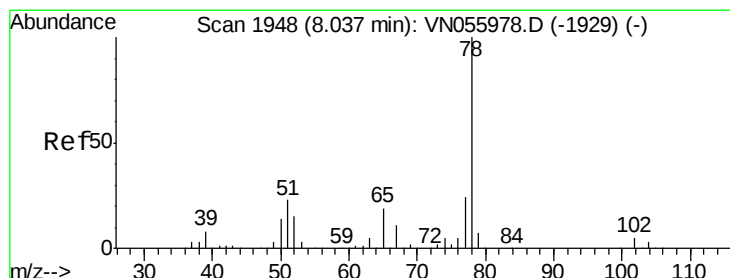
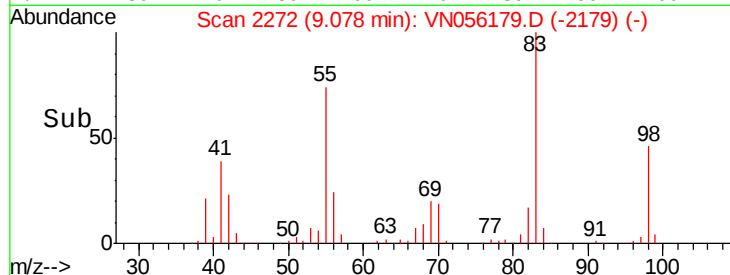
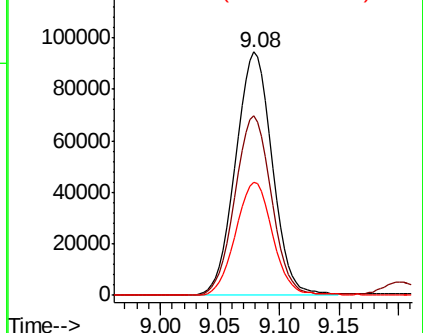
#39
Methvlcvclohexane
Concen: 46.703 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 83 Resp: 202834
Ion Ratio Lower Upper
83 100
55 73.6 59.3 88.9
98 46.4 36.6 54.8

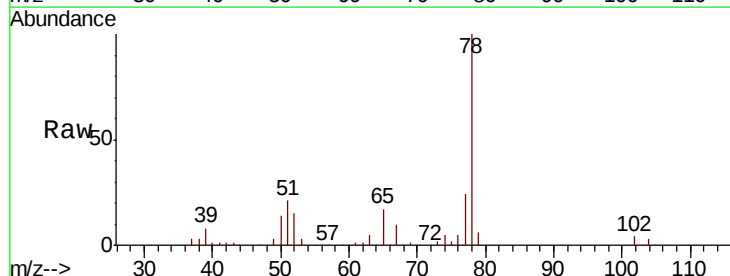


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

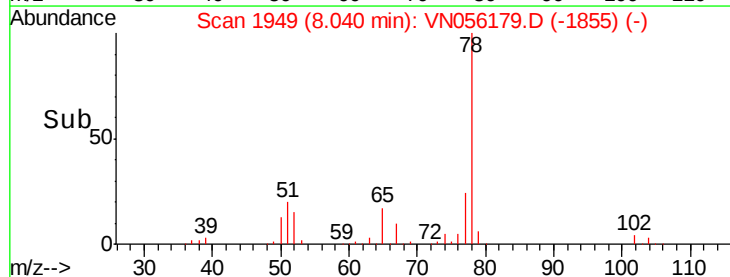
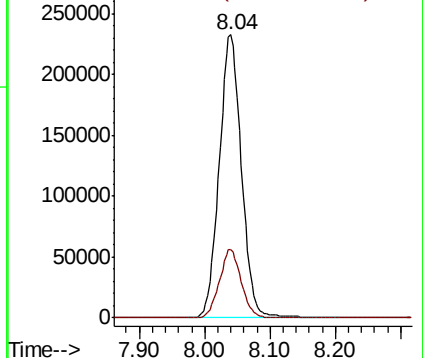


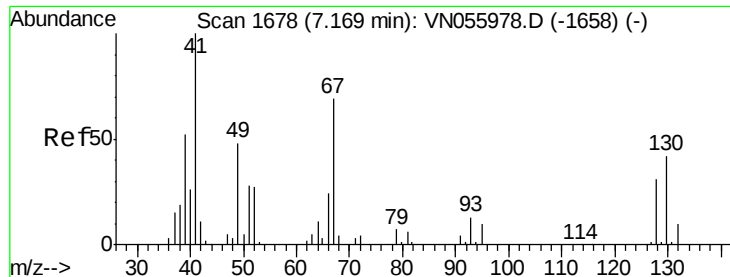
#40
Benzene
Concen: 51.948 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion: 78 Resp: 550079
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

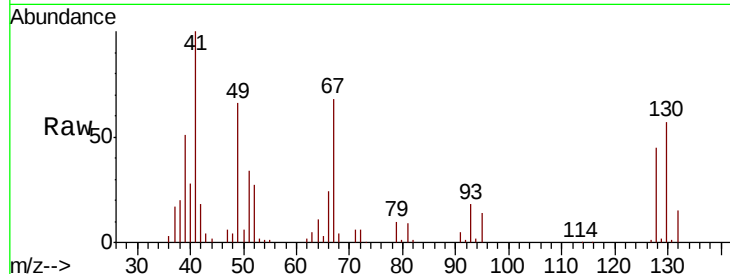




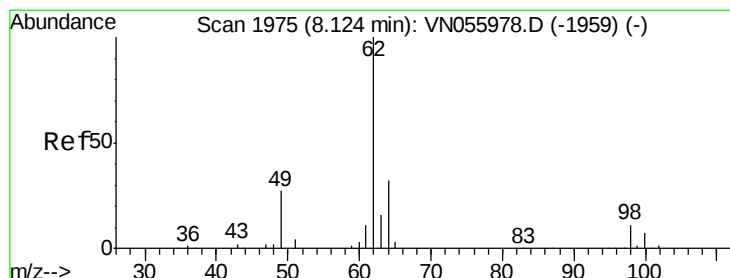
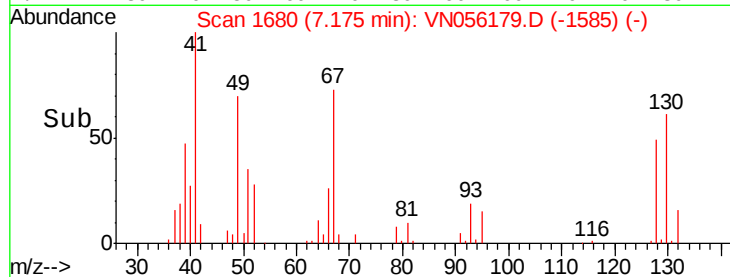
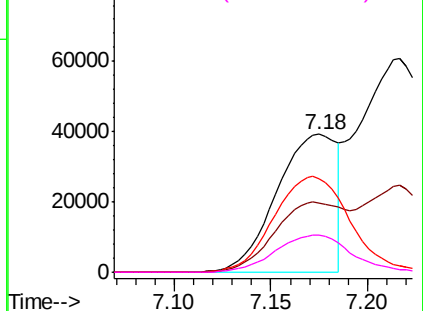
#41
Methacrylonitrile
Concen: 59.741 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	41	Resp:	85265
Ion	Ratio	Lower	Upper
41	100		
39	60.1	45.6	68.4
67	88.1	67.7	101.5
52	34.3	26.6	40.0

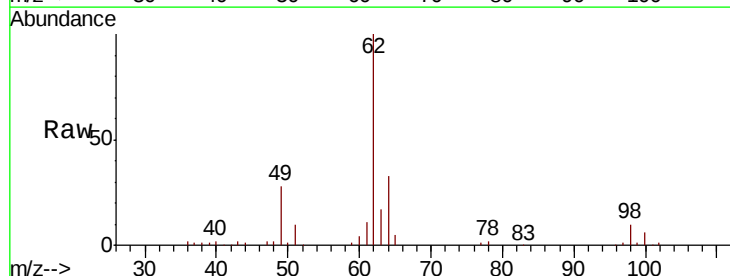


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

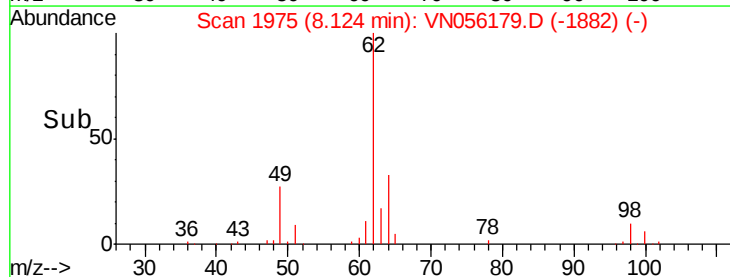
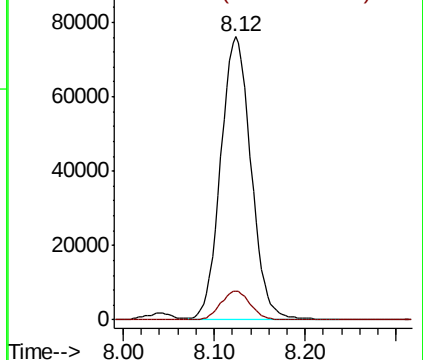


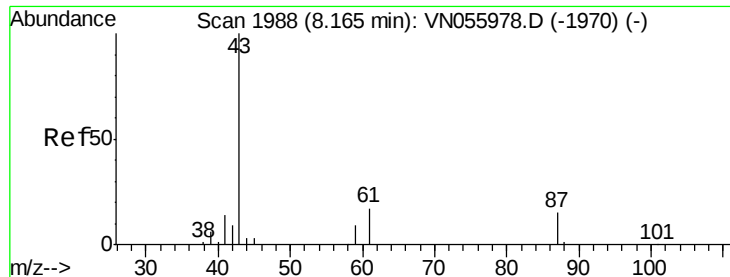
#42
1,2-Dichloroethane
Concen: 51.673 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion:	62	Resp:	176005
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 52.099 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

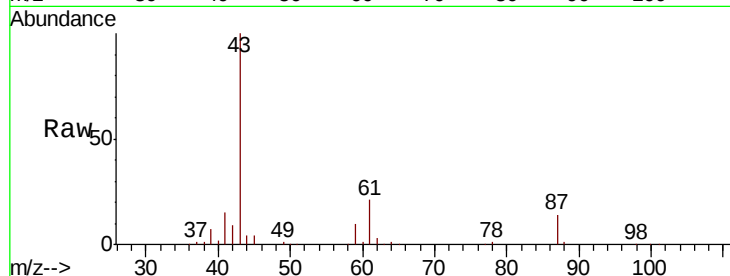
Tot Ion: 43 Resp: 261891

Ion Ratio Lower Upper

43 100

61 22.5 22.2 33.4

87 14.2 11.4 17.2

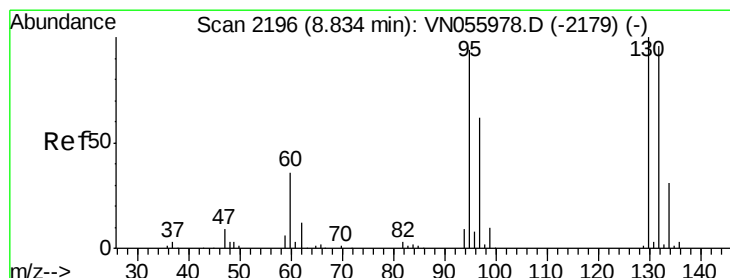
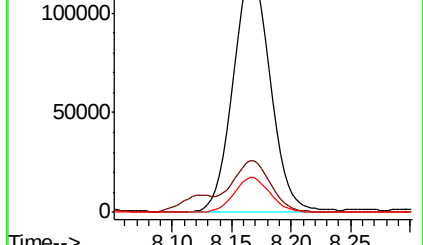
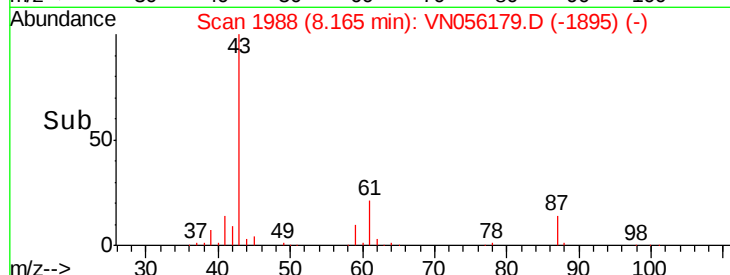


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

8.17



#44

Trichloroethene

Concen: 50.762 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056179.D

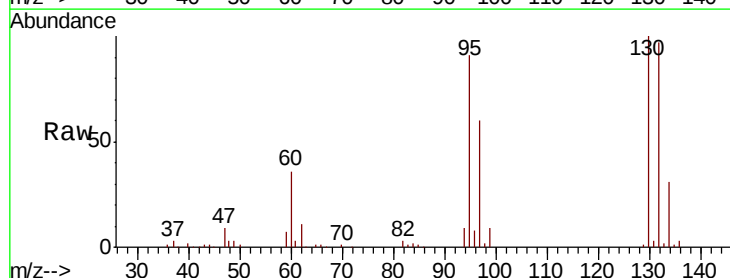
Acq: 10 Jun 2019 19:09

Tgt Ion:130 Resp: 154457

Ion Ratio Lower Upper

130 100

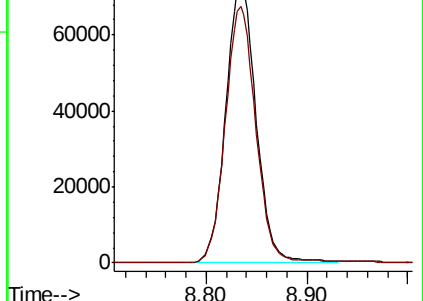
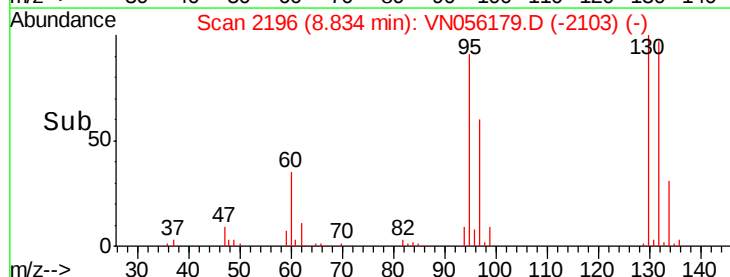
95 90.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

8.83





#45

1,2-Dichloropropane

Concen: 52.764 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

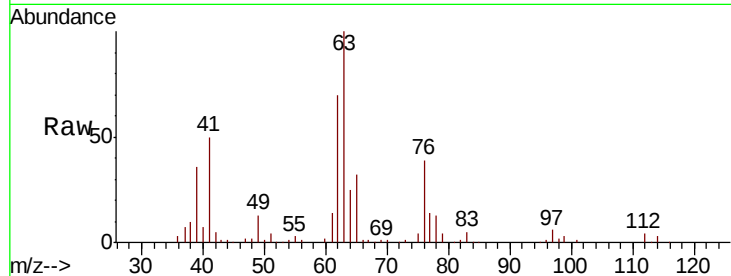
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 63 Resp: 143113

Ion Ratio Lower Upper

63 100

65 31.7 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN056179.D (-2191) (-)

Ion 64.90 (64.60 to 65.60): VN056179.D (-2191) (-)

9.12

60000

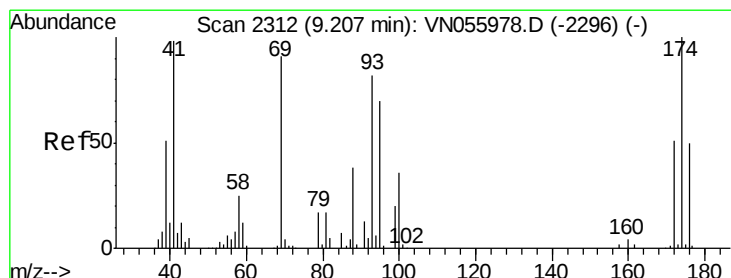
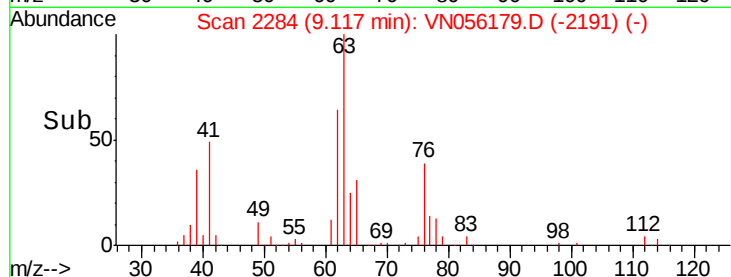
40000

20000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 54.485 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

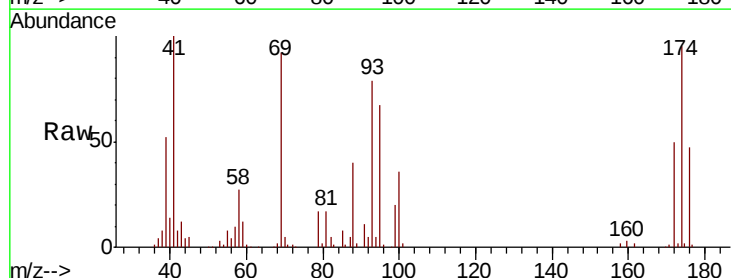
Tgt Ion: 93 Resp: 96637

Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

174 121.5 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN056179.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN056179.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN056179.D (-2219) (-)

9.21

60000

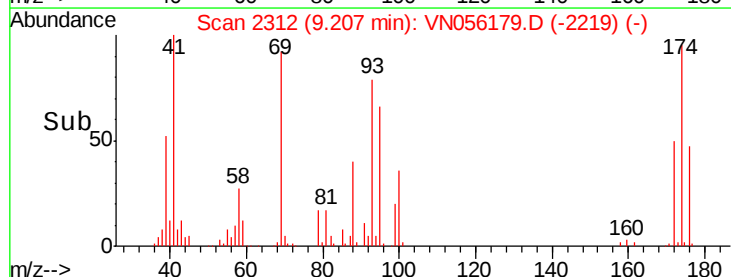
40000

20000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 55.229 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

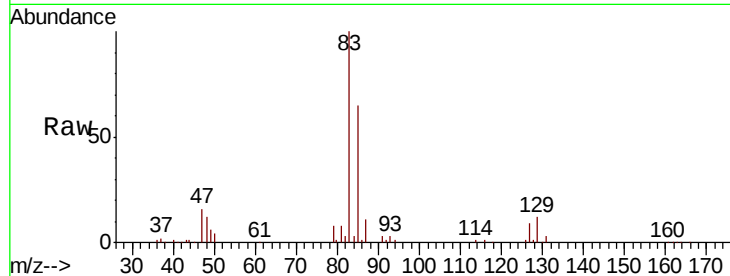
Tot Ion: 83 Resp: 177538

Ion Ratio Lower Upper

83 100

85 65.3 52.2 78.2

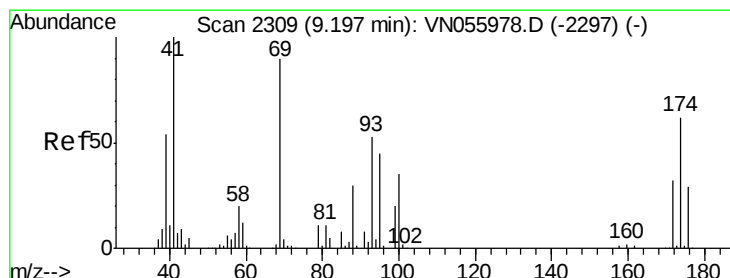
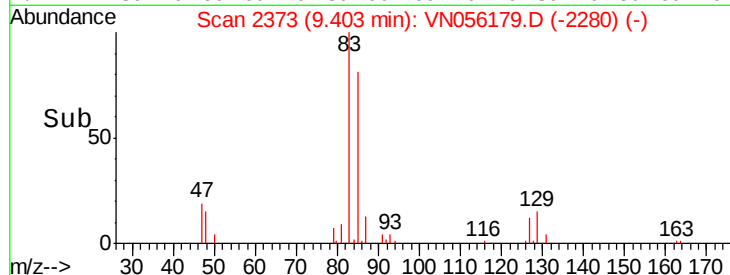
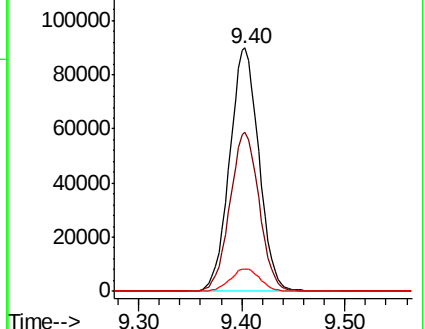
127 9.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 56.013 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

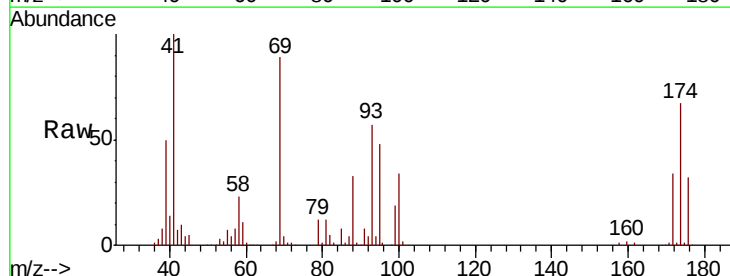
Tgt Ion: 41 Resp: 137750

Ion Ratio Lower Upper

41 100

69 90.8 71.0 106.6

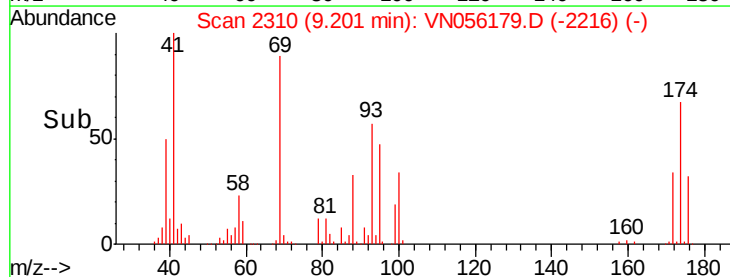
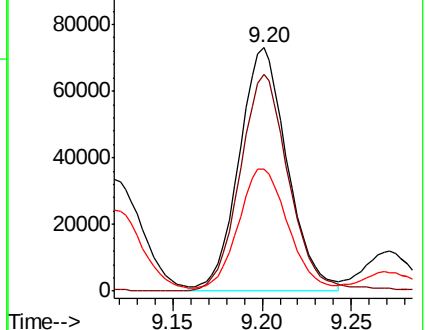
39 51.8 44.2 66.2

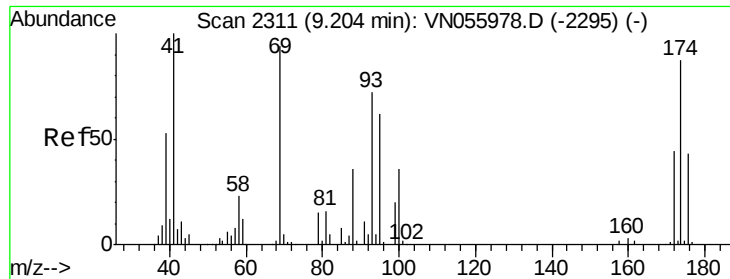


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

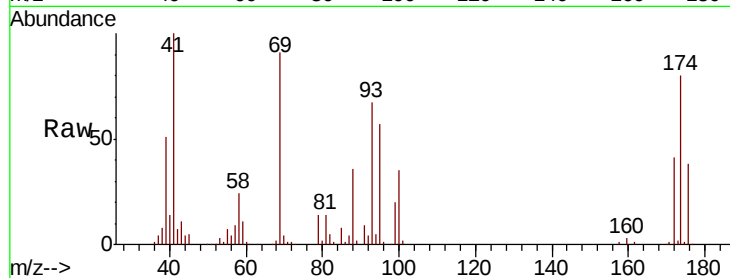




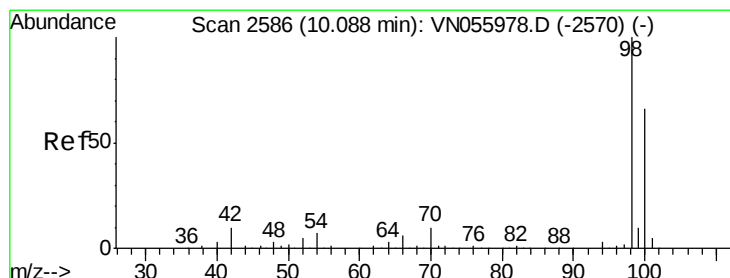
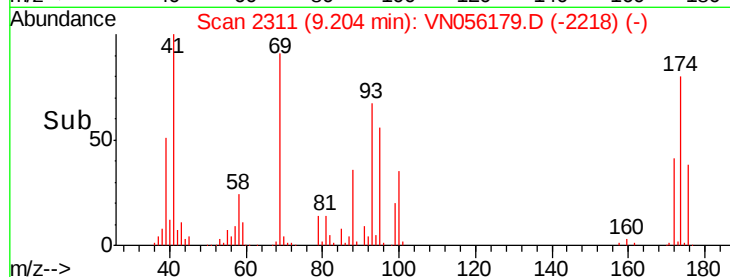
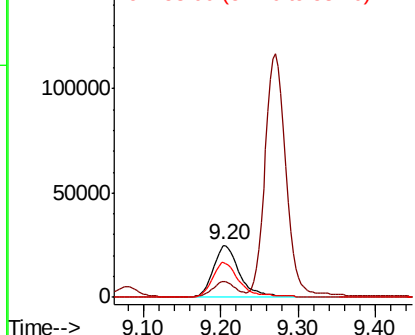
#49
1,4-Dioxane
Concen: 1144.948 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 88 Resp: 60788
Ion Ratio Lower Upper
88 100
43 25.9 20.5 30.7
58 68.6 55.8 83.6

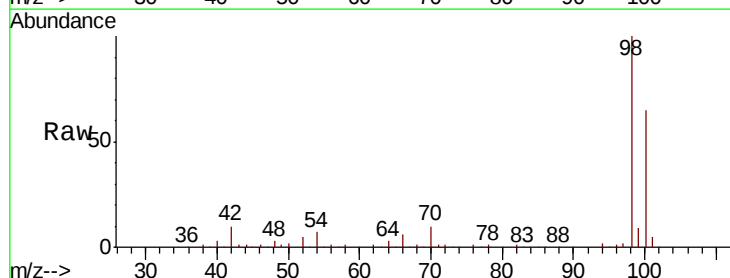


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

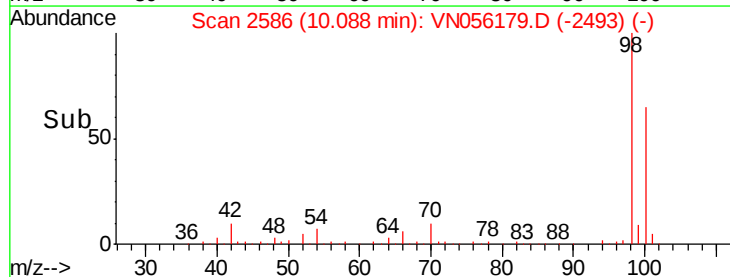
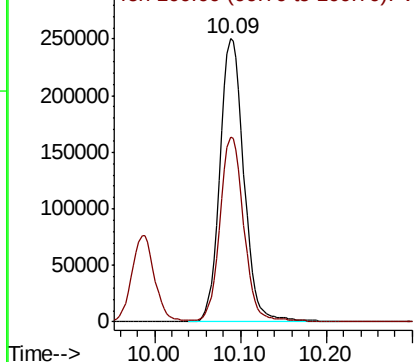


#50
Toluene-d8
Concen: 50.836 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion: 98 Resp: 486624
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 283.007 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

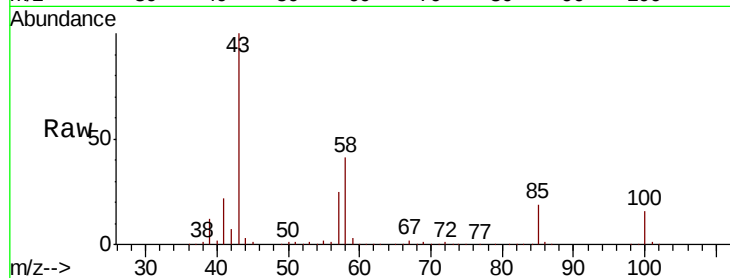
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 43 Resp: 889635

Ion Ratio Lower Upper

43 100

58 40.2 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

9.99

500000

400000

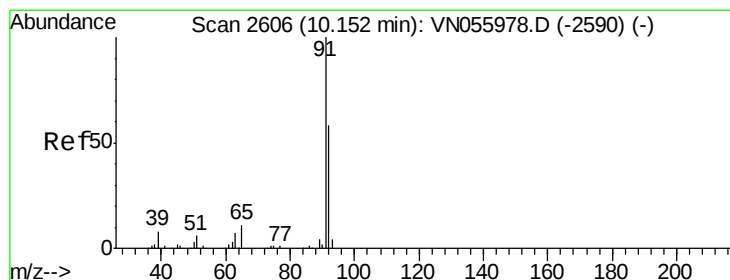
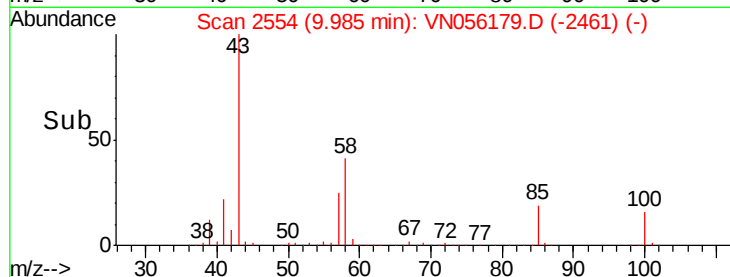
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.354 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056179.D

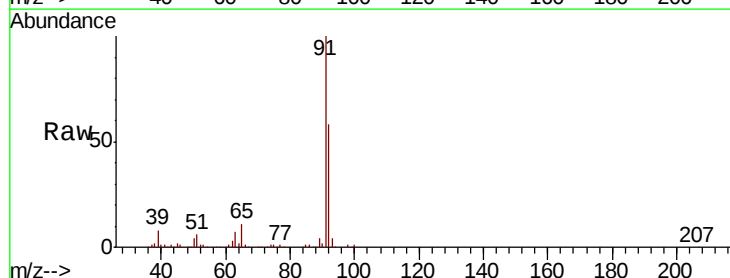
Acq: 10 Jun 2019 19:09

Tgt Ion: 92 Resp: 344969

Ion Ratio Lower Upper

92 100

91 172.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055978.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-2590) (-)

10.16

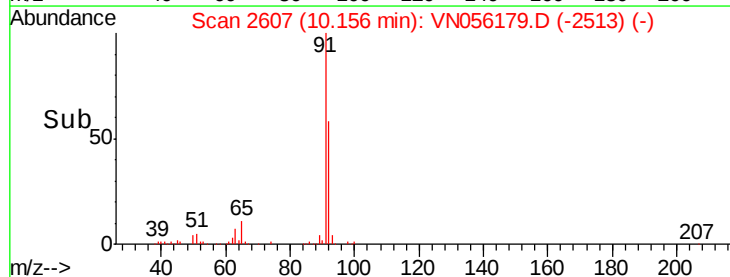
300000

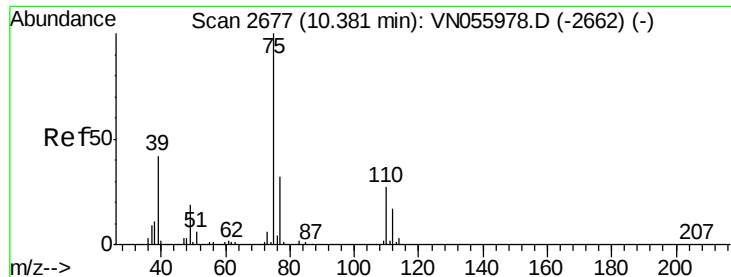
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.087 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

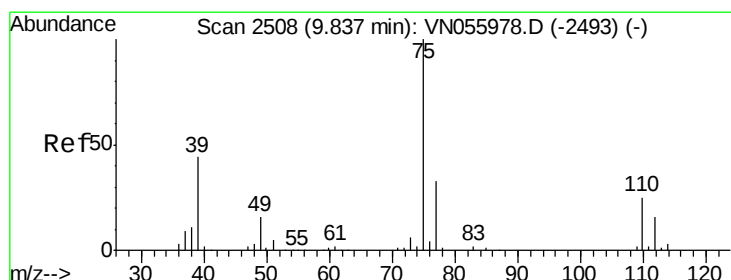
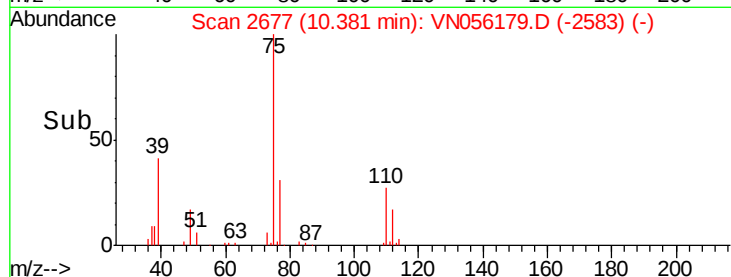
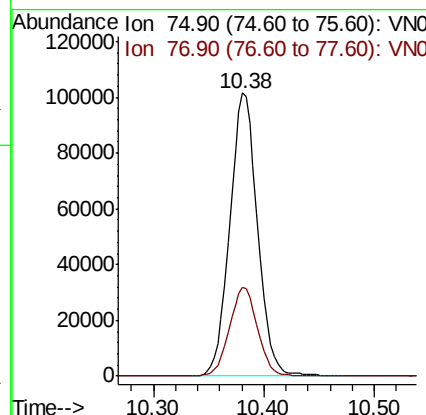
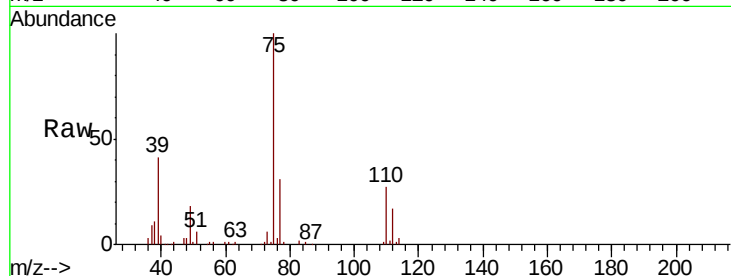
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 75 Resp: 176911

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 52.807 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

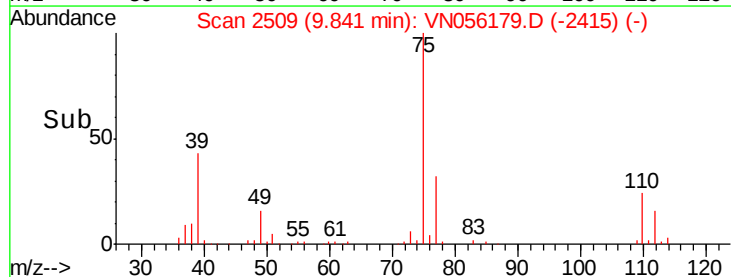
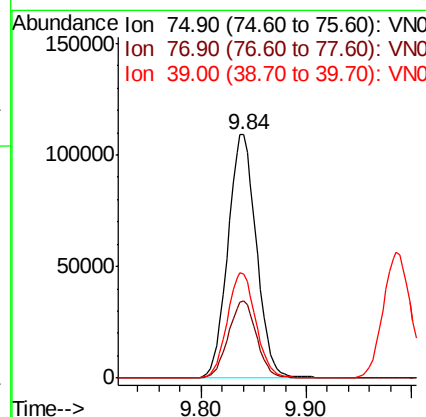
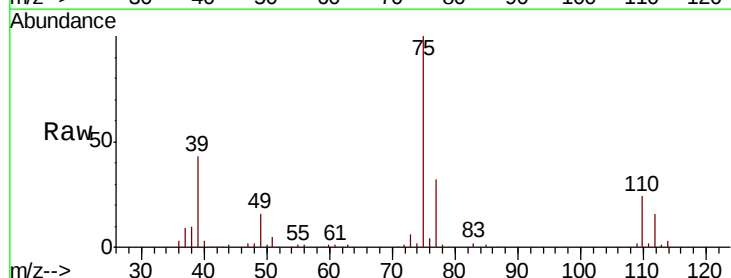
Tgt Ion: 75 Resp: 204044

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 42.7 36.3 54.5

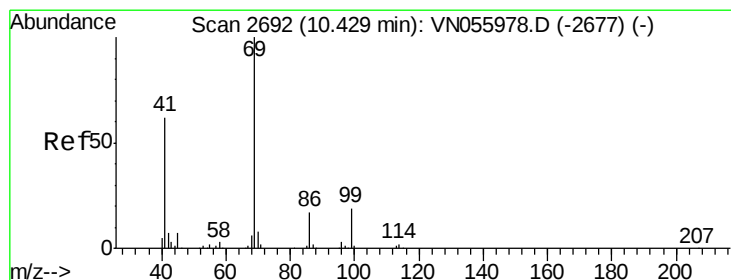
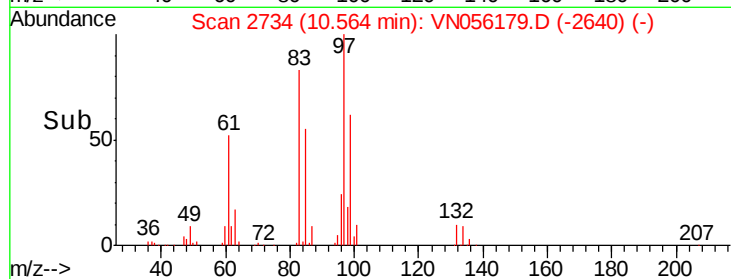
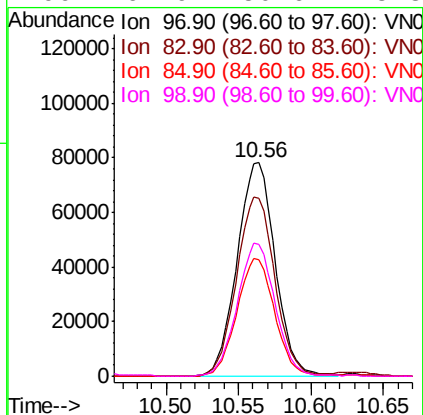
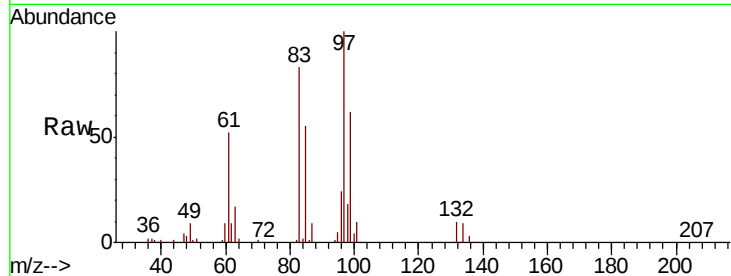




#55
 1,1,2-Trichloroethane
 Concen: 54.707 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

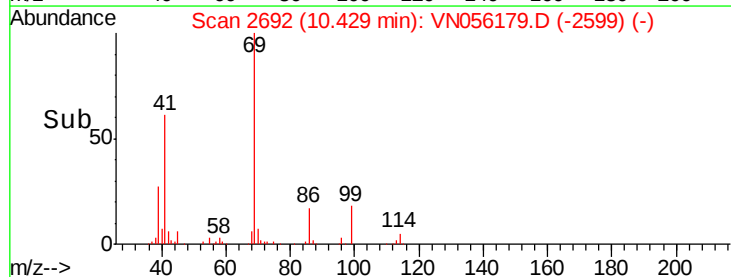
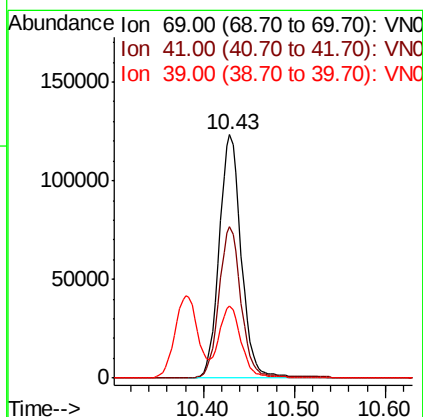
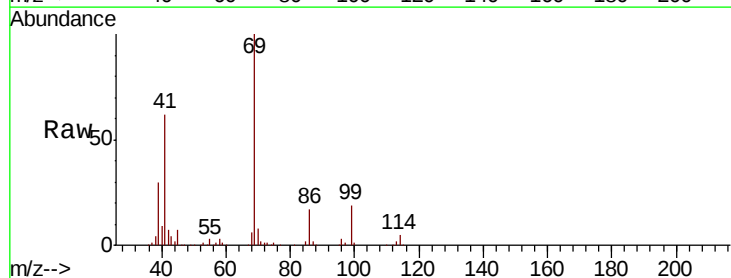
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

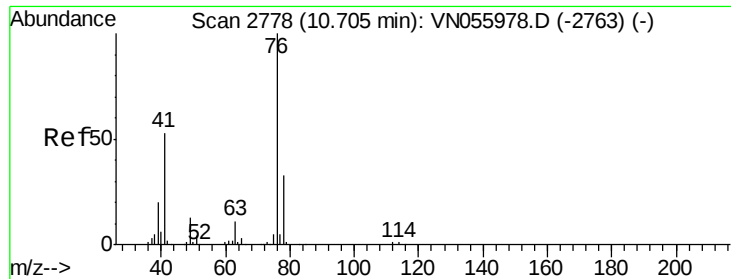
Tot Ion:	97	Resp:	142790
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.0	100.6
85	54.6	44.0	66.0
99	61.9	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 54.681 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion:	69	Resp:	208213
Ion	Ratio	Lower	Upper
69	100		
41	61.2	49.7	74.5
39	29.4	24.7	37.1

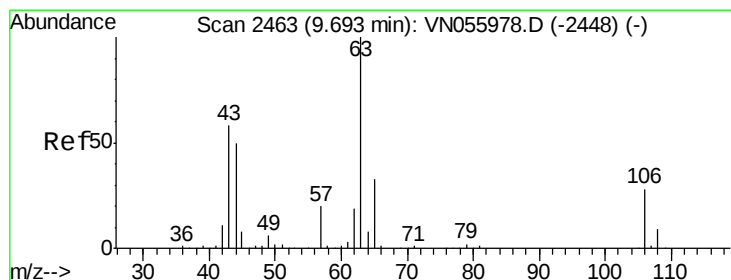
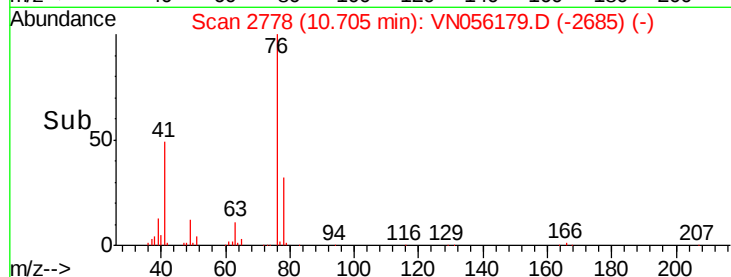
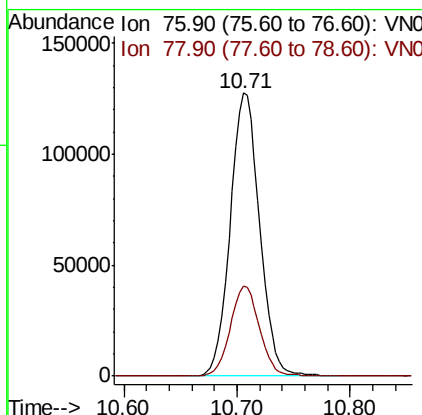
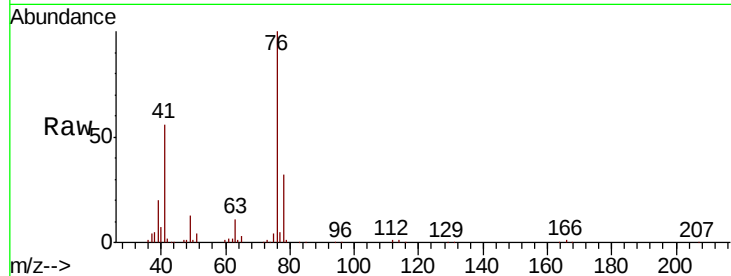




#57
 1,3-Dichloropropane
 Concen: 54.328 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

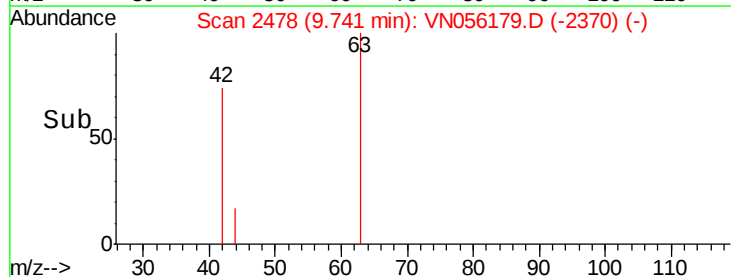
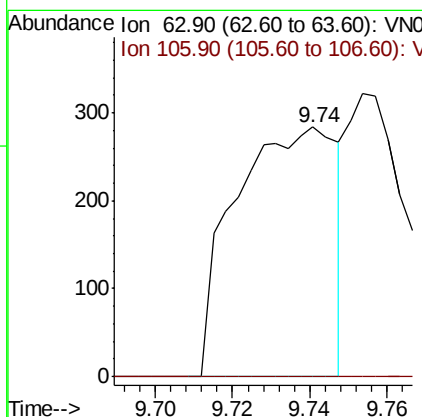
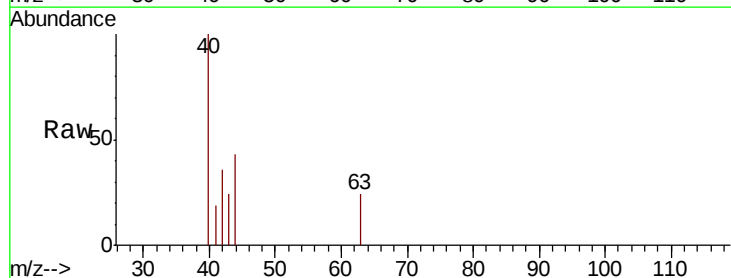
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

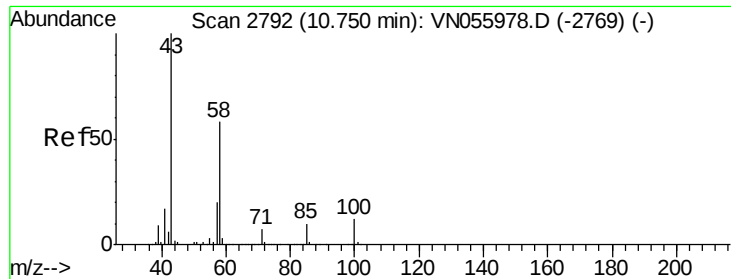
Tot Ion: 76 Resp: 230516
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.196 ug/l
 RT: 9.74 min Scan# 2478
 Delta R.T. 0.05 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion: 63 Resp: 516
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.7 34.1#

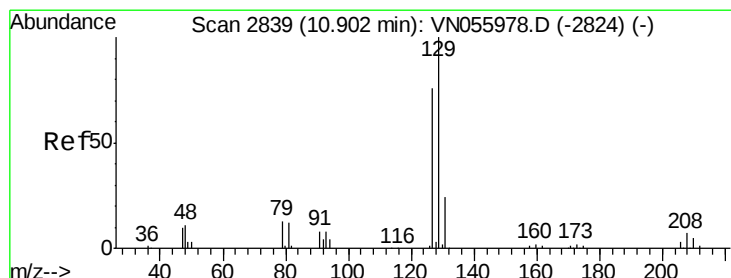
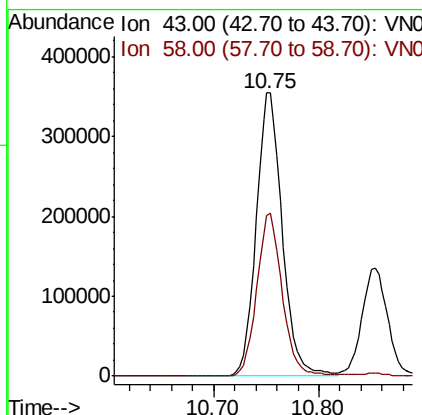
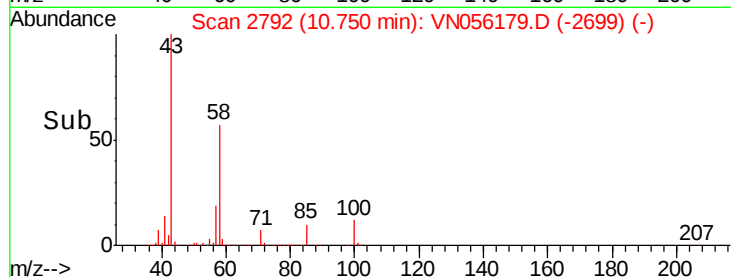
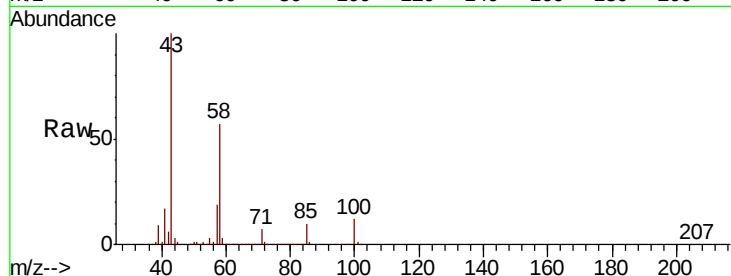




#59
2-Hexanone
Concen: 268.377 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

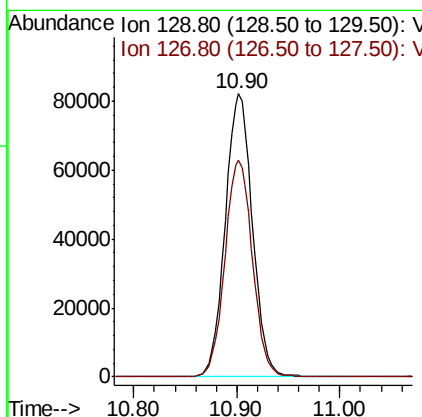
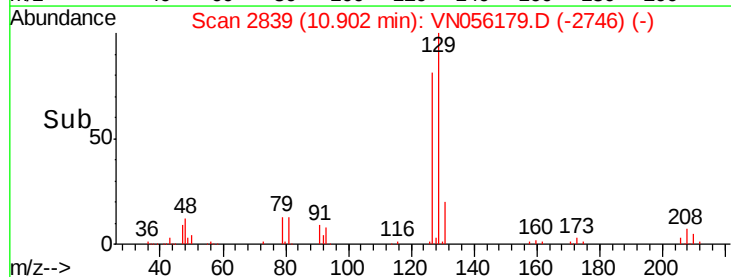
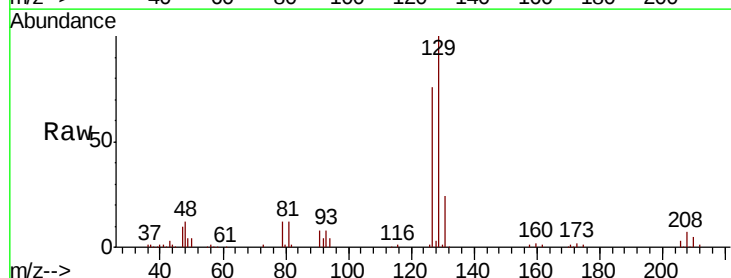
Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 43 Resp: 611455
Ion Ratio Lower Upper
43 100
58 56.4 28.2 84.7



#60
Dibromochloromethane
Concen: 52.344 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion: 129 Resp: 151027
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 55.145 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

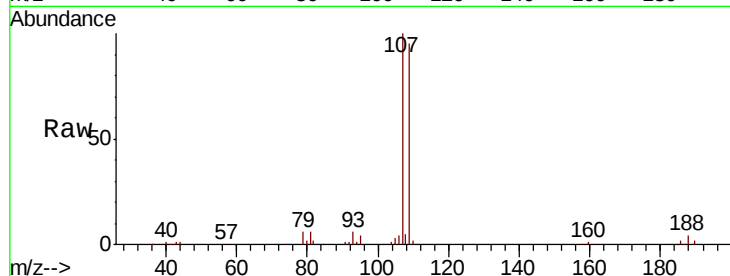
BP-MH-SW4001-SOUTH-20190608M

Tot Ion:107 Resp: 147143

Ion Ratio Lower Upper

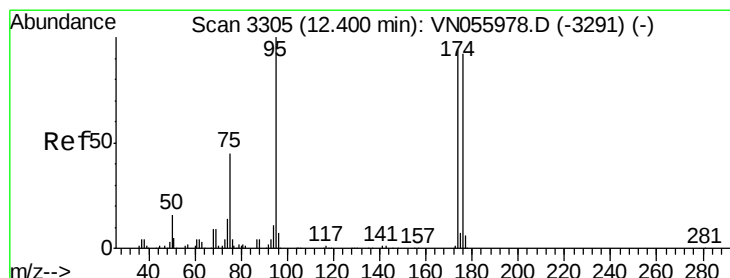
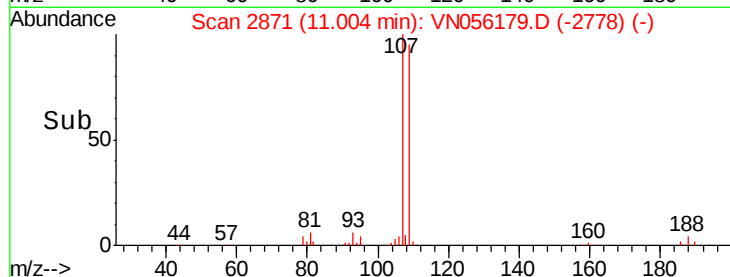
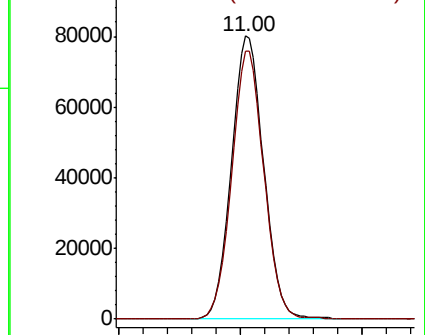
107 100

109 94.3 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.149 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

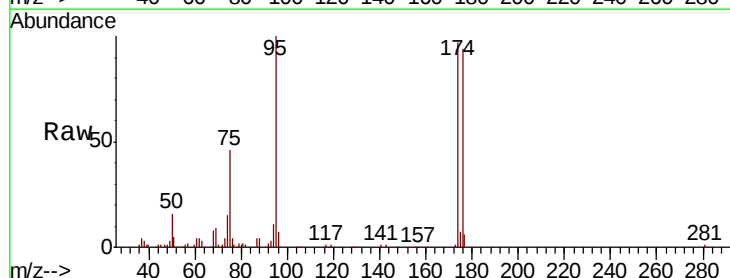
Tgt Ion: 95 Resp: 163252

Ion Ratio Lower Upper

95 100

174 98.2 0.0 191.0

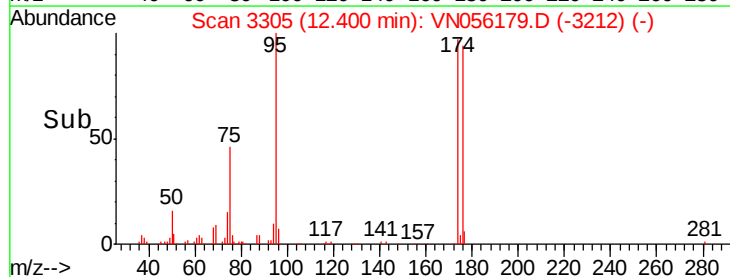
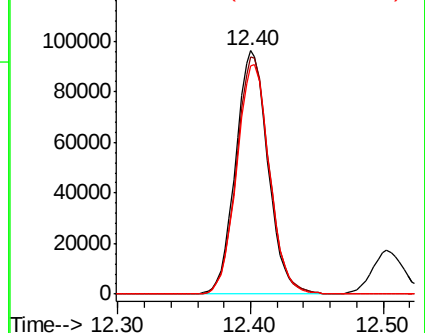
176 95.6 0.0 185.2

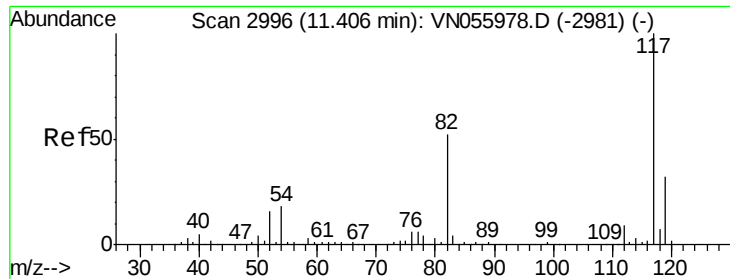


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

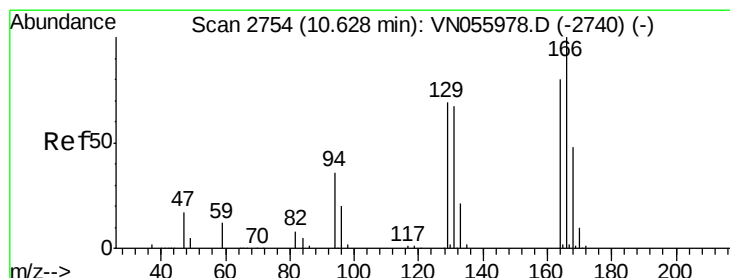
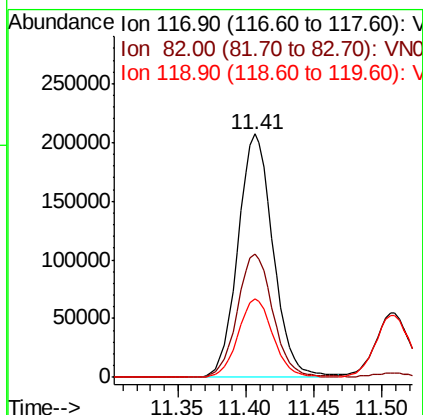
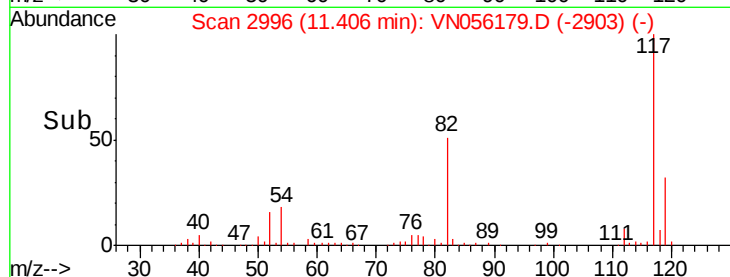
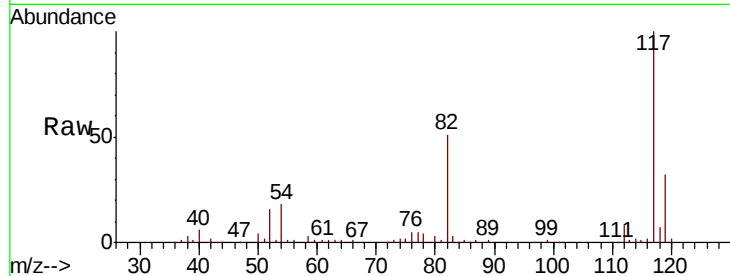




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

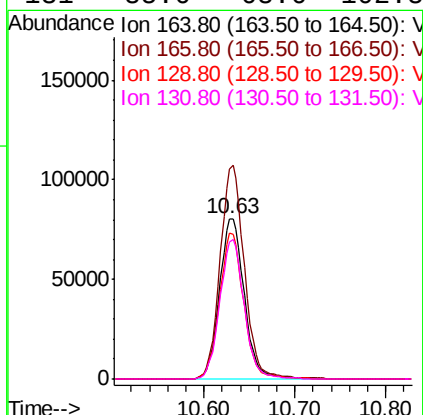
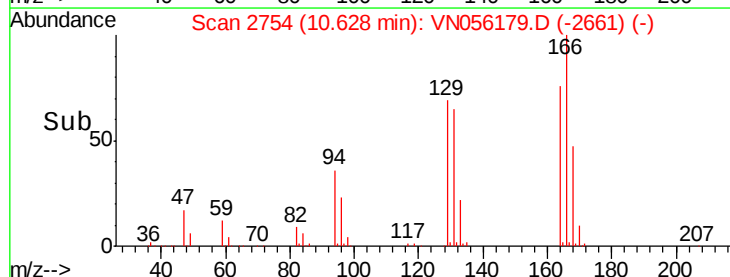
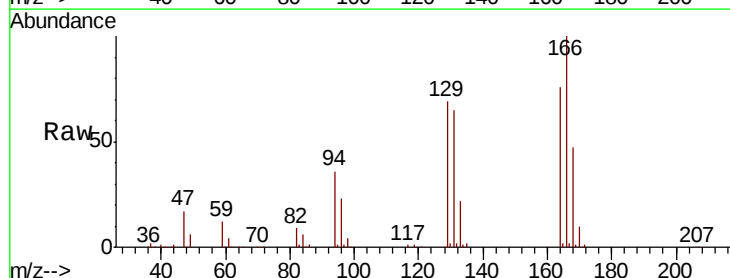
Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

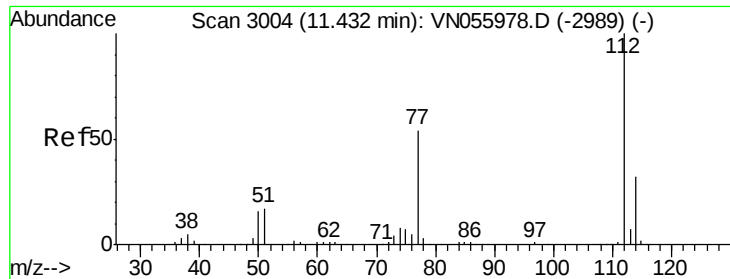
Tot Ion:117 Resp: 370364
Ion Ratio Lower Upper
117 100
82 50.8 41.8 62.8
119 32.3 25.4 38.0



#64
Tetrachloroethene
Concen: 47.478 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion:164 Resp: 152209
Ion Ratio Lower Upper
164 100
166 130.9 103.0 154.6
129 90.9 70.6 105.8
131 85.6 68.6 102.8

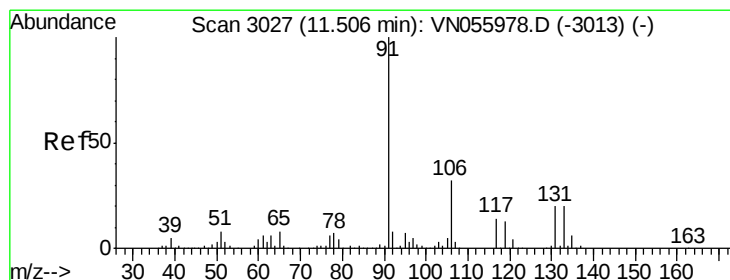
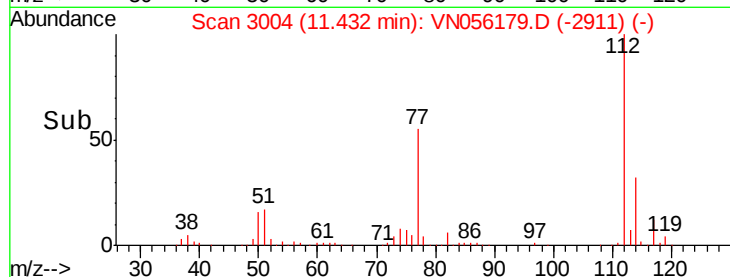
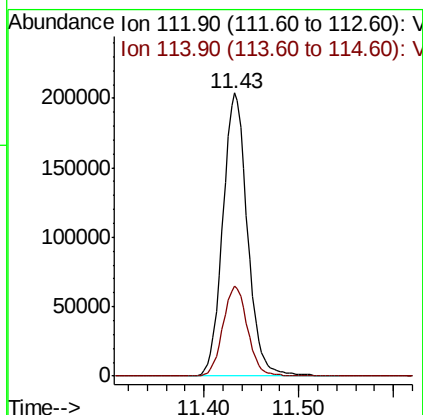
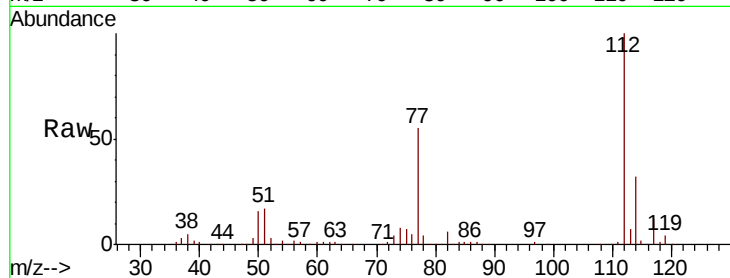




#65
Chlorobenzene
Concen: 50.139 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

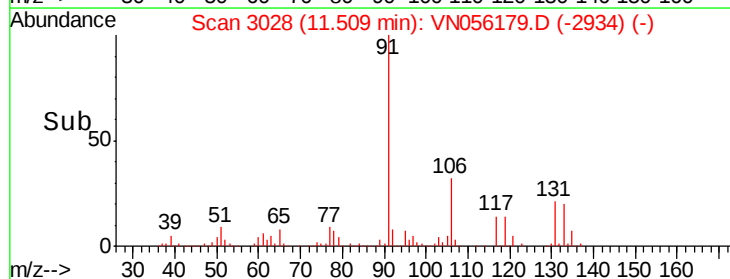
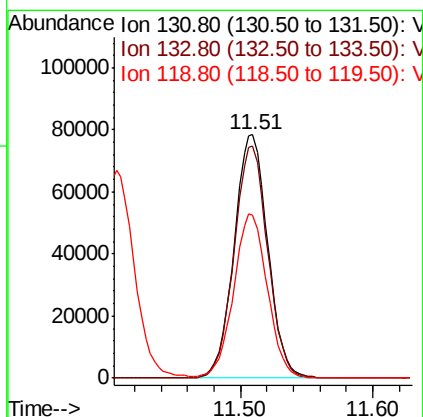
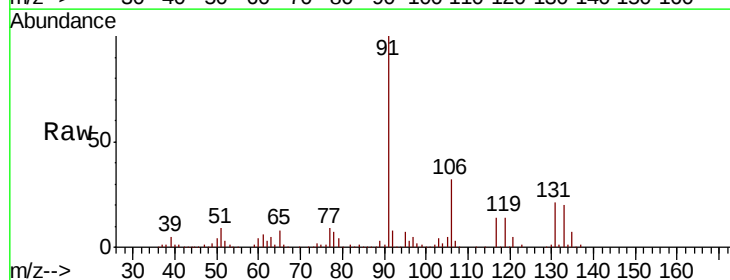
Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

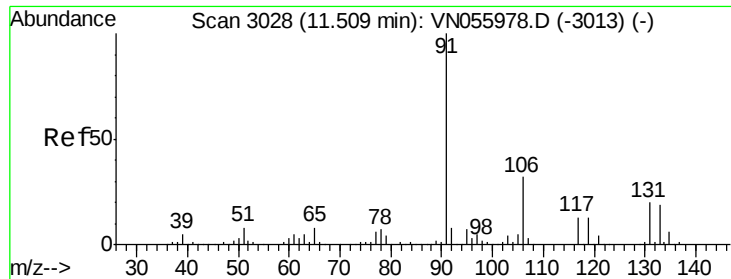
Tot Ion:112 Resp: 369574
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.330 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion:131 Resp: 138275
Ion Ratio Lower Upper
131 100
133 95.1 48.0 144.0
119 67.7 33.1 99.5

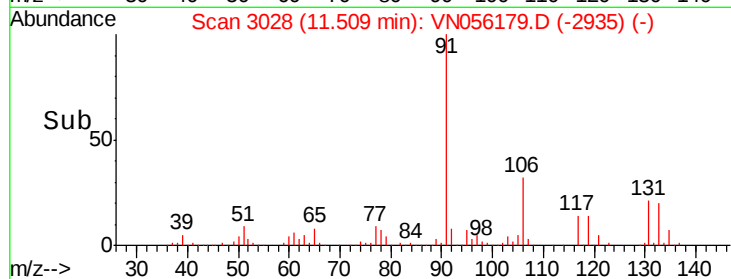
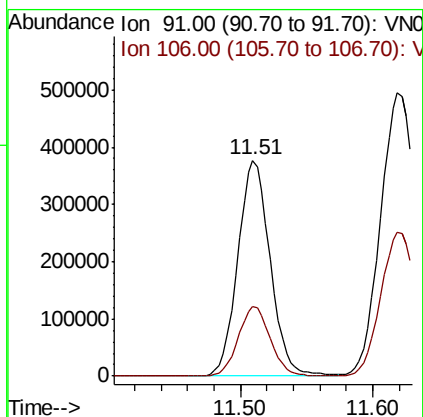
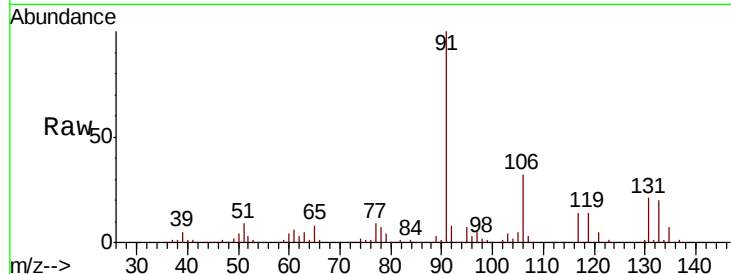




#67
Ethyl Benzene
Concen: 49.928 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

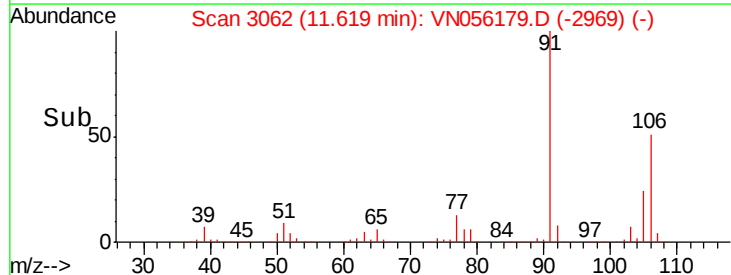
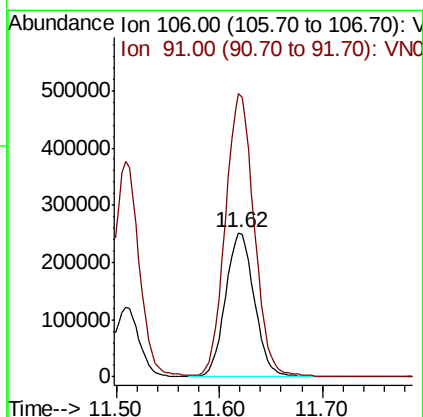
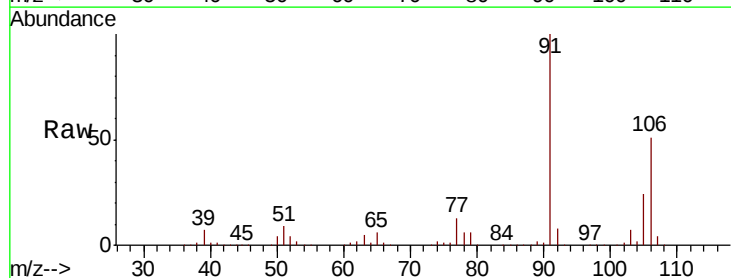
Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

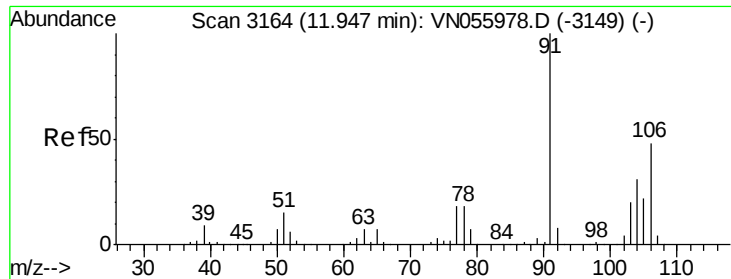
Tot Ion: 91 Resp: 639922
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7



#68
m/p-Xylenes
Concen: 100.301 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion: 106 Resp: 491095
Ion Ratio Lower Upper
106 100
91 197.2 159.3 238.9

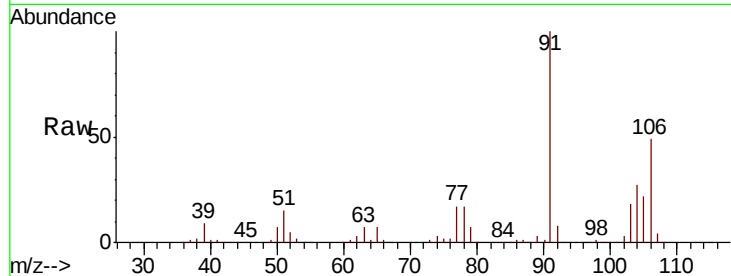




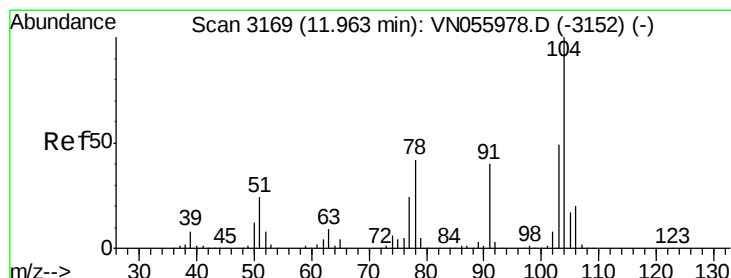
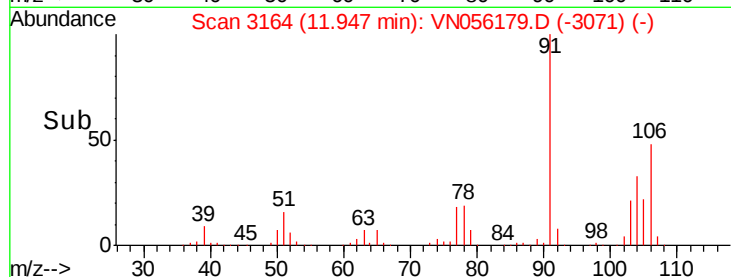
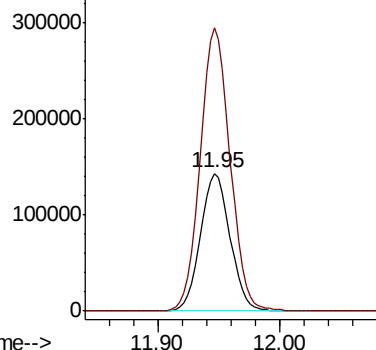
#69
o-Xylene
Concen: 50.399 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion:106 Resp: 242733
Ion Ratio Lower Upper
106 100
91 206.8 104.7 314.1

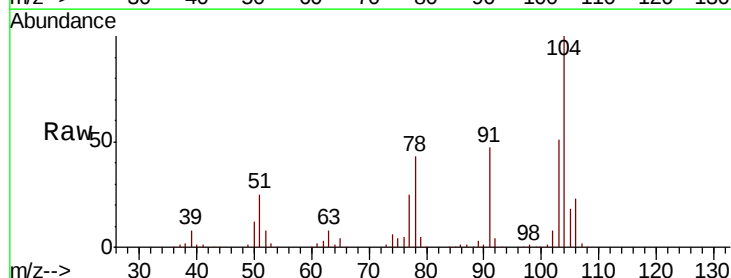


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

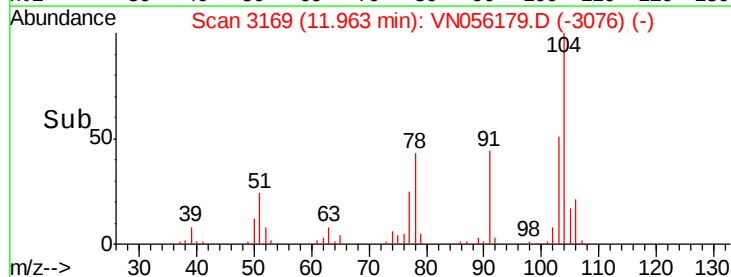
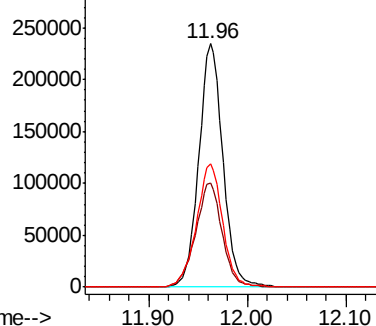


#70
Styrene
Concen: 52.432 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion:104 Resp: 401223
Ion Ratio Lower Upper
104 100
78 47.0 37.8 56.6
103 55.0 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

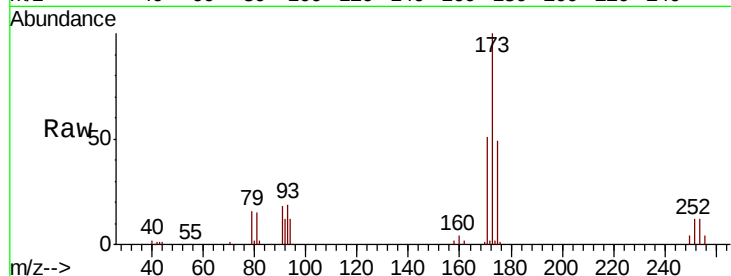




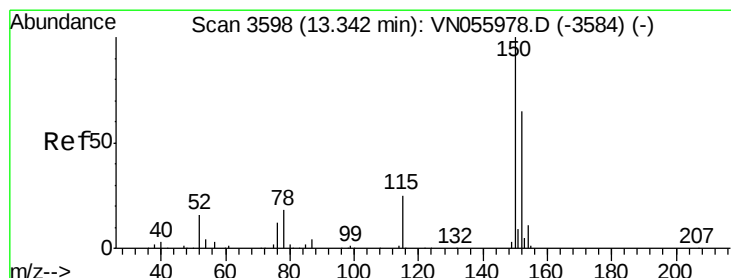
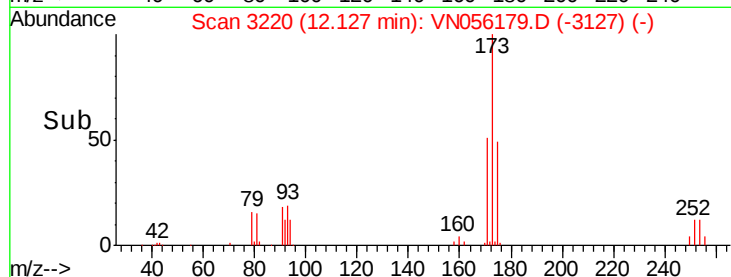
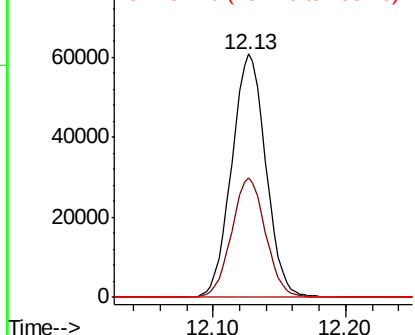
#71
Bromoform
Concen: 50.740 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion:173 Resp: 108512
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.8
254 0.0 0.0 0.0

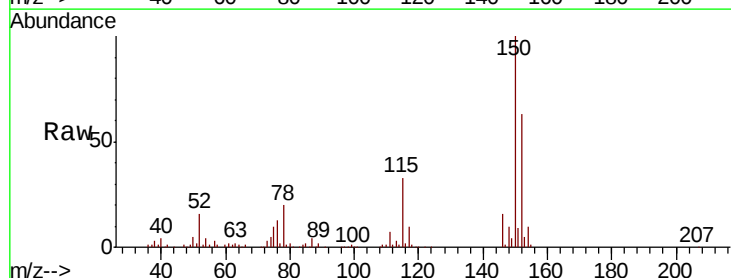


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

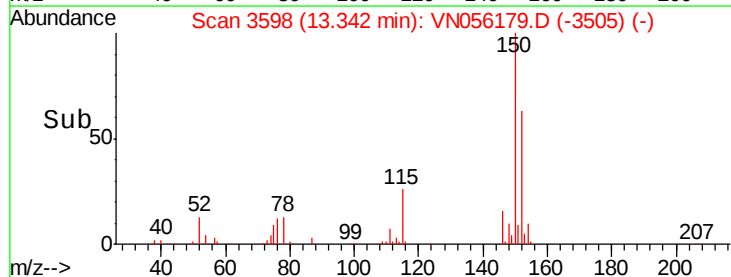
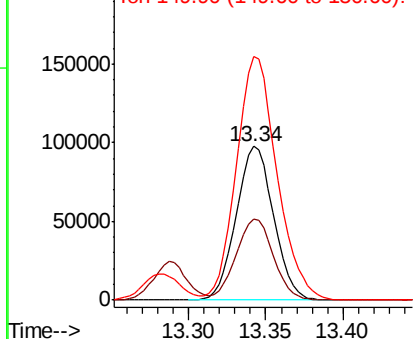


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion:152 Resp: 163733
Ion Ratio Lower Upper
152 100
115 52.8 27.0 81.0
150 172.5 0.0 343.2



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





#73

Isopropylbenzene

Concen: 54.279 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

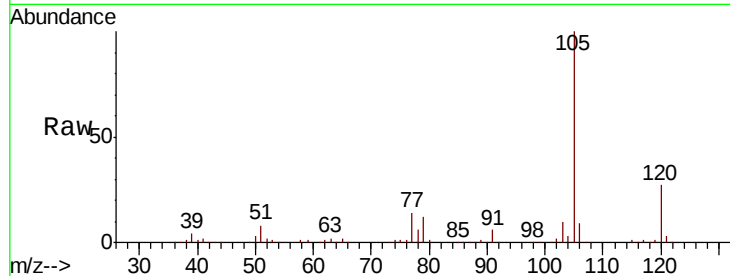
BP-MH-SW4001-SOUTH-20190608M

Tot Ion:105 Resp: 631064

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

300000

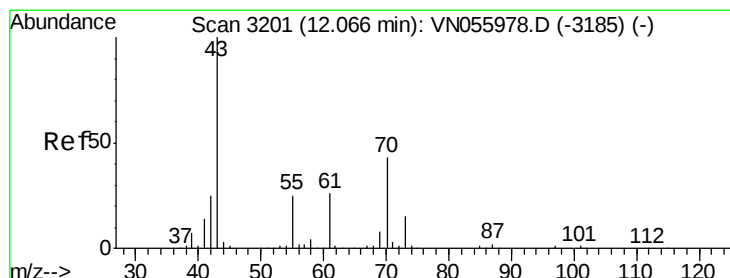
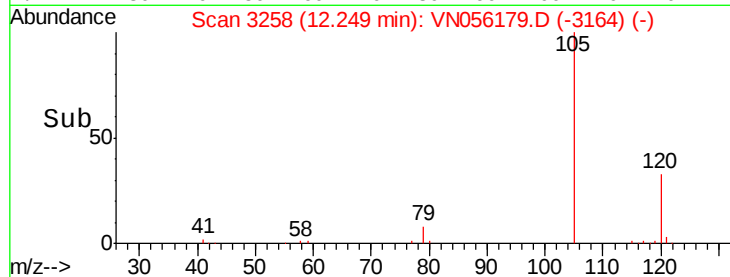
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 47.388 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Tgt Ion: 43 Resp: 206827

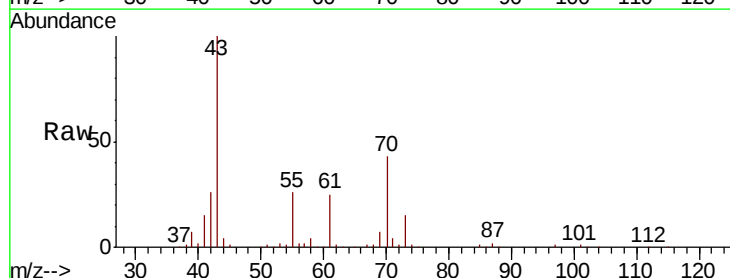
Ion Ratio Lower Upper

43 100

70 44.1 34.0 51.0

55 25.8 18.6 28.0

61 25.3 20.0 30.0



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

12.07

200000

150000

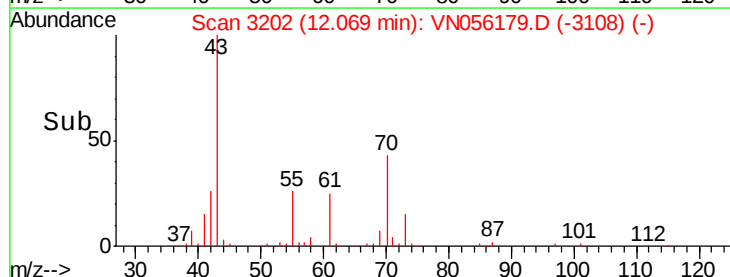
100000

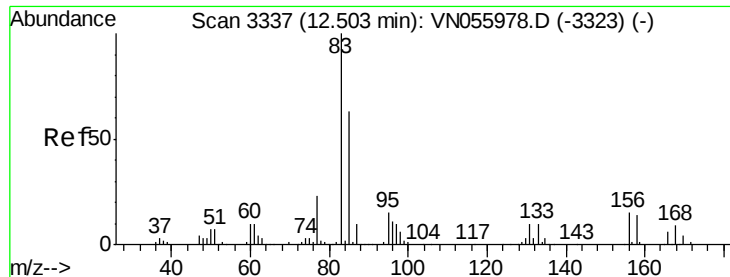
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 50.773 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

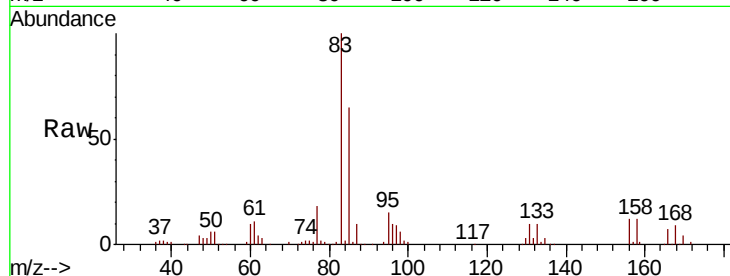
Tot Ion: 83 Resp: 192986

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

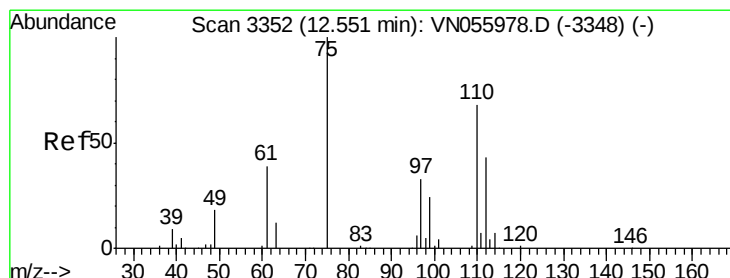
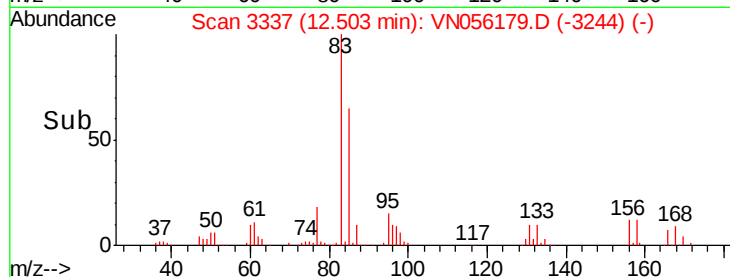
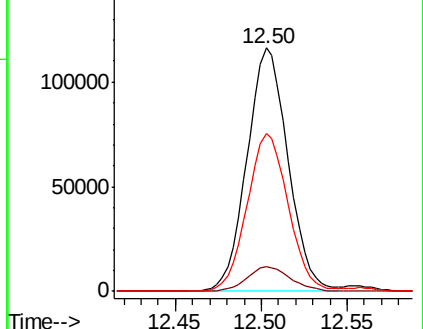
85 65.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 73.925 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056179.D

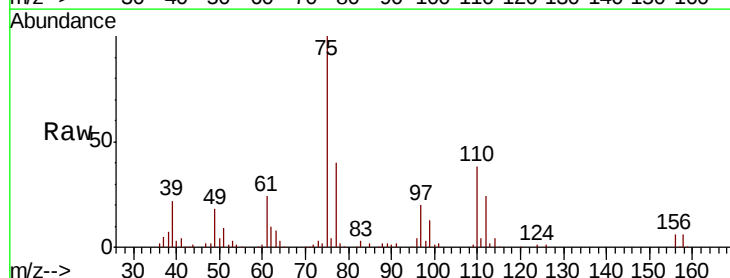
Acq: 10 Jun 2019 19:09

Tgt Ion: 75 Resp: 222719

Ion Ratio Lower Upper

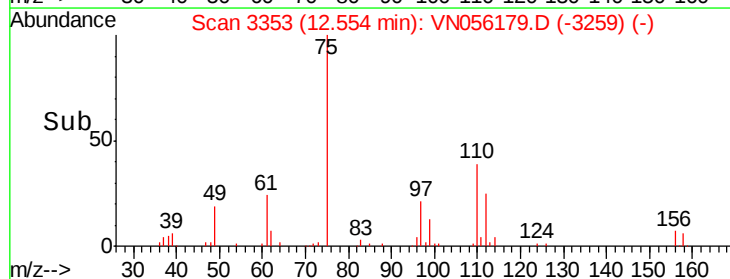
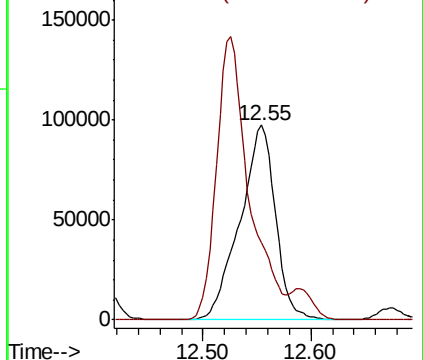
75 100

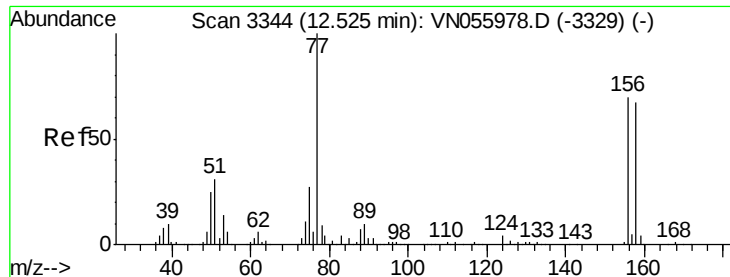
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.254 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

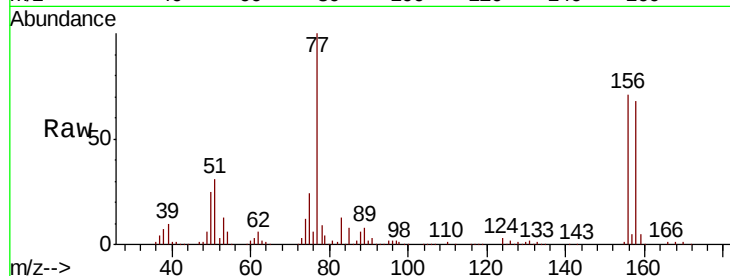
Tot Ion:156 Resp: 172659

Ion Ratio Lower Upper

156 100

77 172.6 90.8 272.5

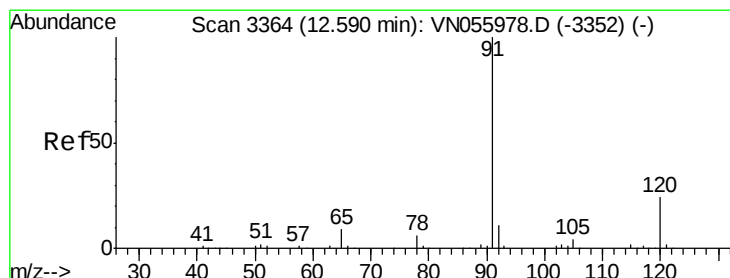
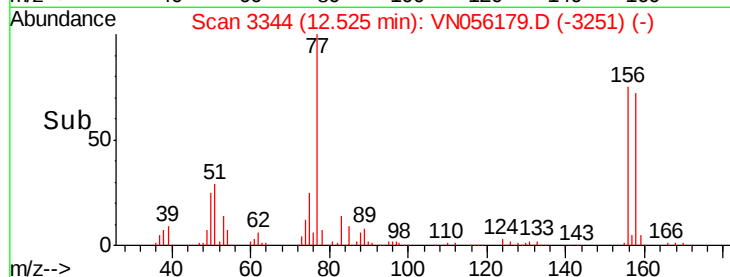
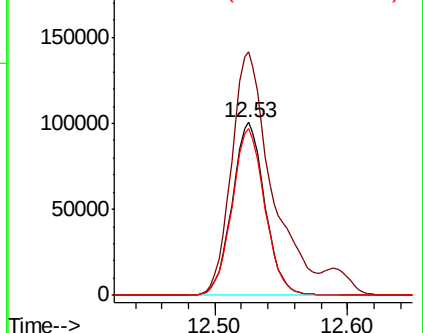
158 96.4 49.3 147.8



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: 48.287 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056179.D

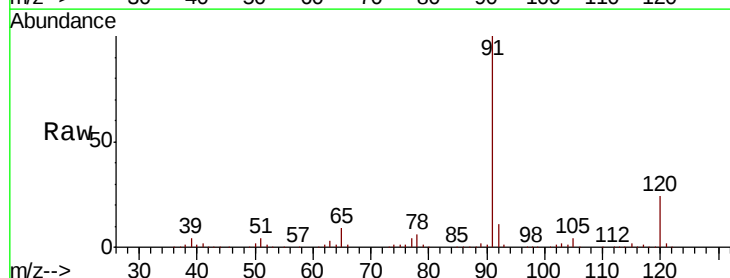
Acq: 10 Jun 2019 19:09

Tgt Ion: 91 Resp: 668851

Ion Ratio Lower Upper

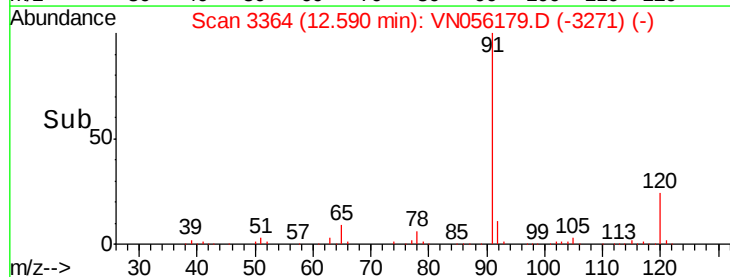
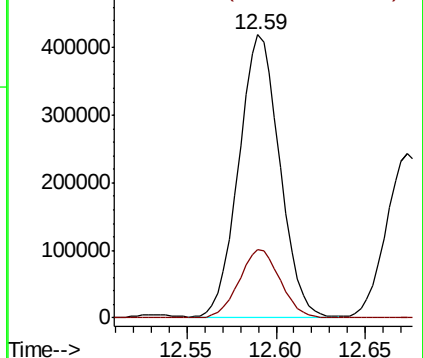
91 100

120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.394 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

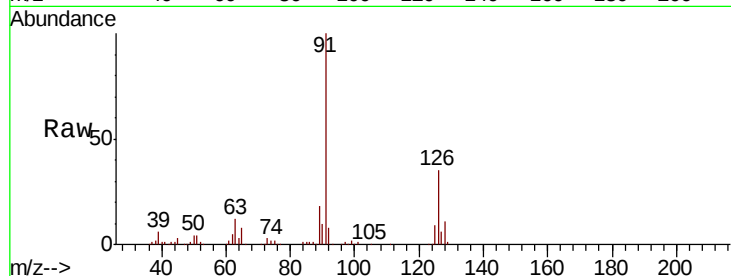
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 91 Resp: 409018

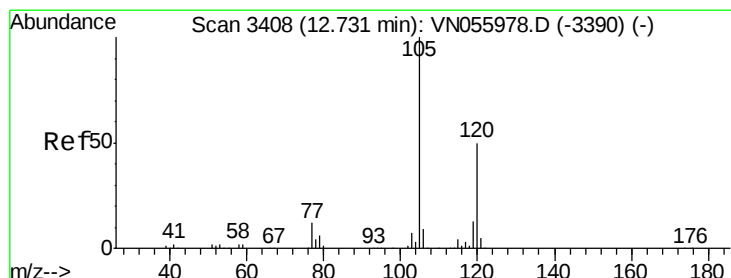
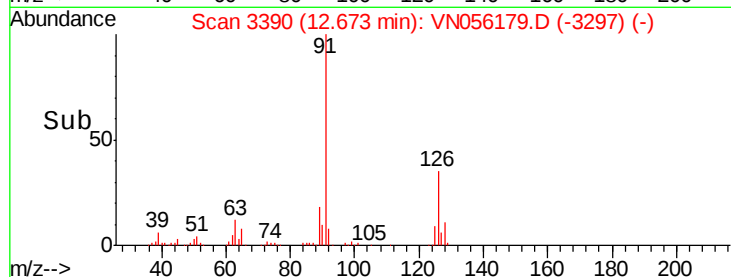
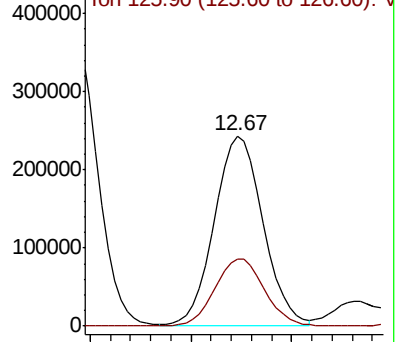
Ion Ratio Lower Upper

91 100

126 36.2 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.838 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056179.D

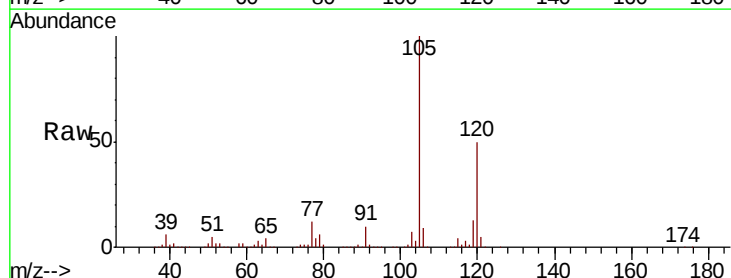
Acq: 10 Jun 2019 19:09

Tgt Ion: 105 Resp: 515632

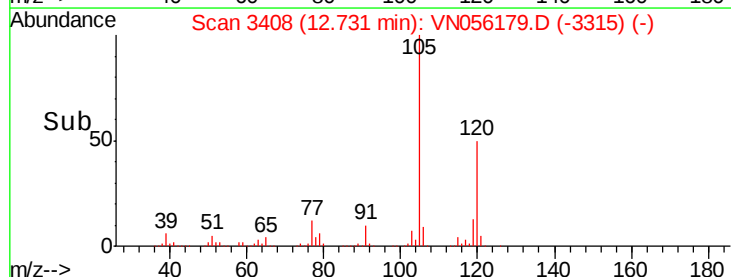
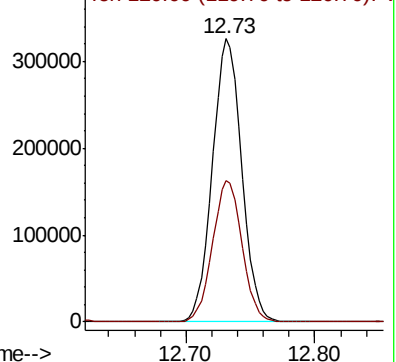
Ion Ratio Lower Upper

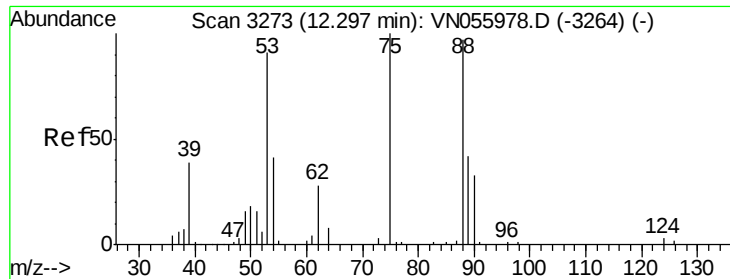
105 100

120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.164 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

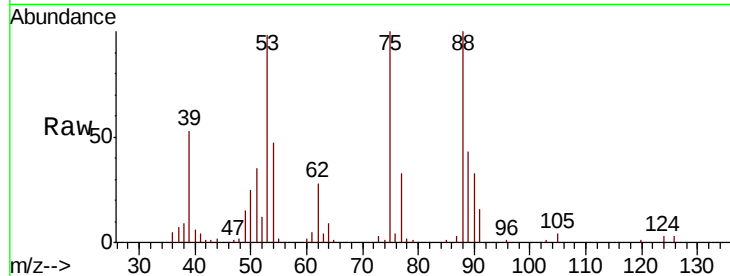
Tot Ion: 75 Resp: 45382

Ion Ratio Lower Upper

75 100

53 97.7 68.1 102.1

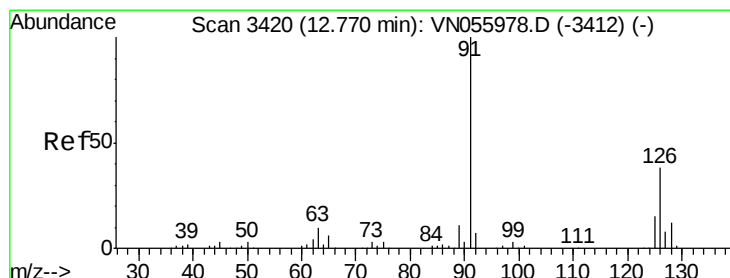
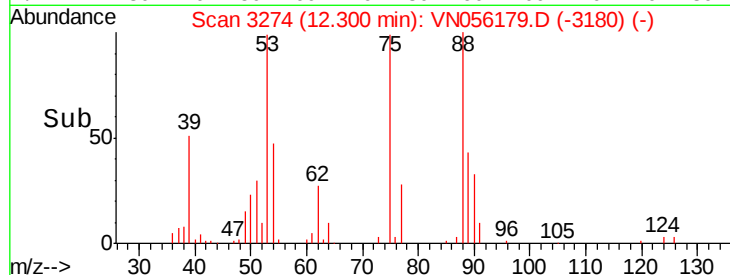
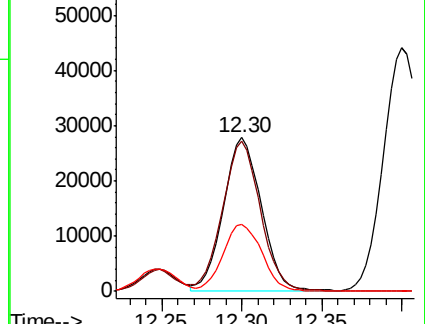
89 44.5 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 48.766 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056179.D

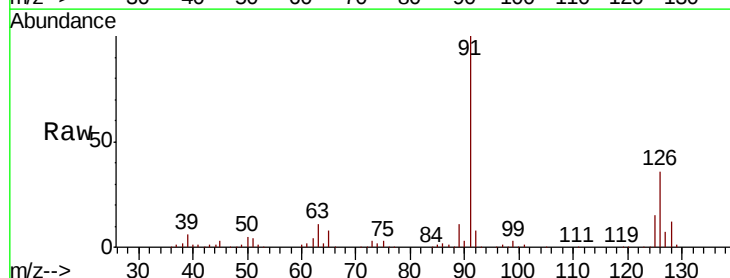
Acq: 10 Jun 2019 19:09

Tgt Ion: 91 Resp: 395192

Ion Ratio Lower Upper

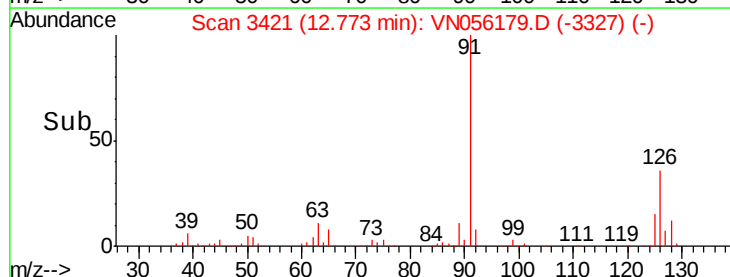
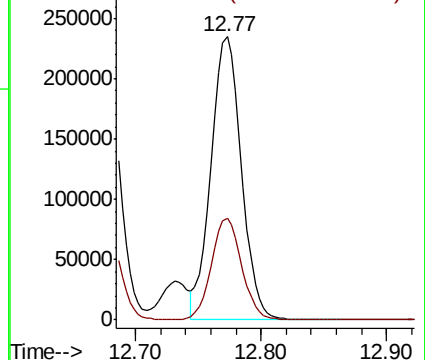
91 100

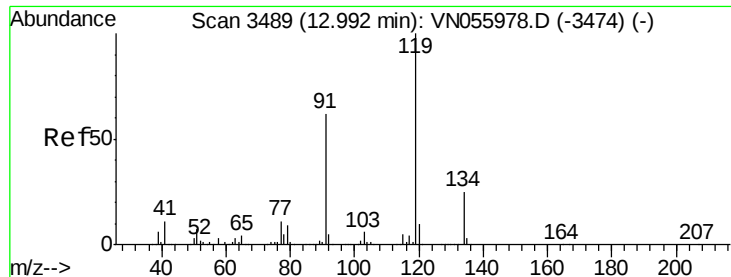
126 35.6 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3412) (-)

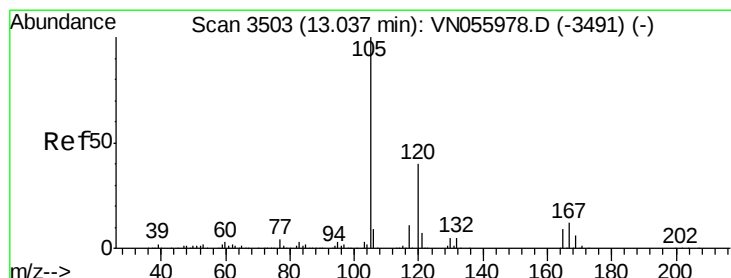
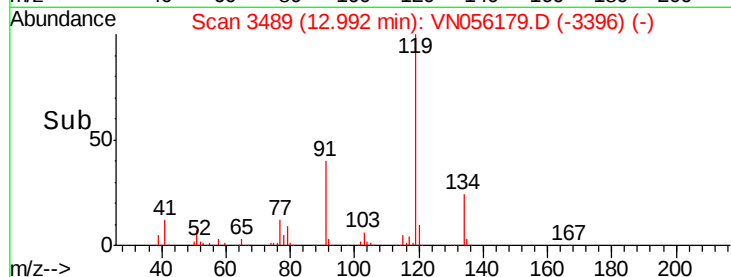
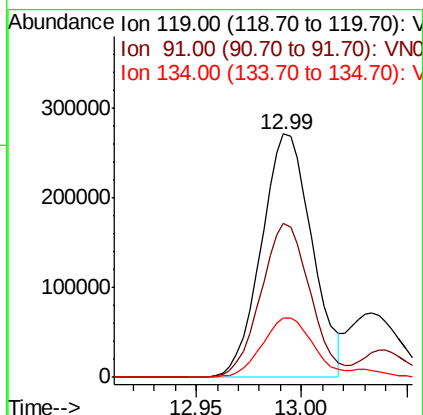
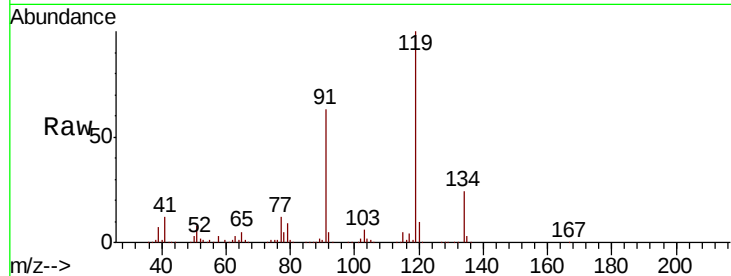




#83
tert-Butylbenzene
Concen: 53.225 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

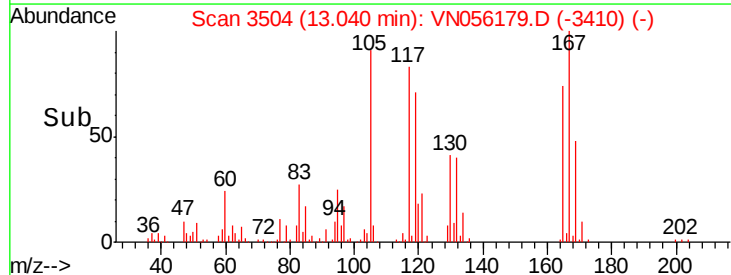
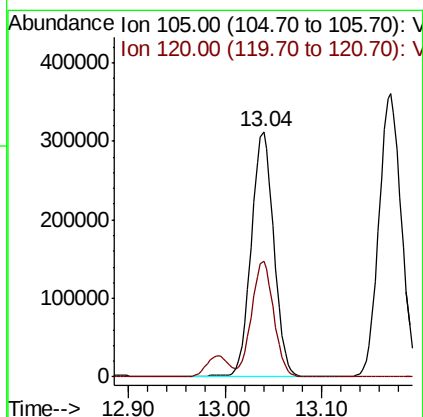
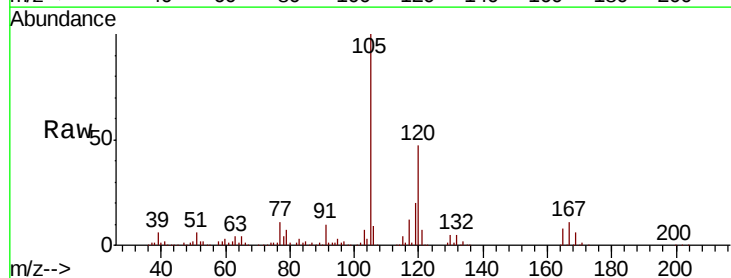
Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

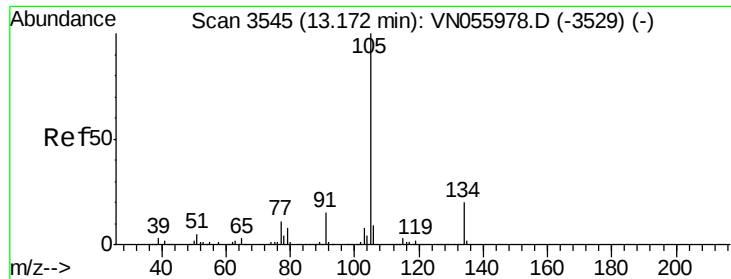
Tot Ion:119 Resp: 453123
Ion Ratio Lower Upper
119 100
91 61.4 30.9 92.8
134 24.6 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 48.564 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion:105 Resp: 506988
Ion Ratio Lower Upper
105 100
120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 47.263 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

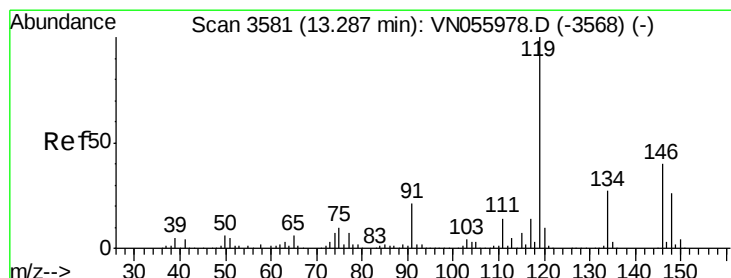
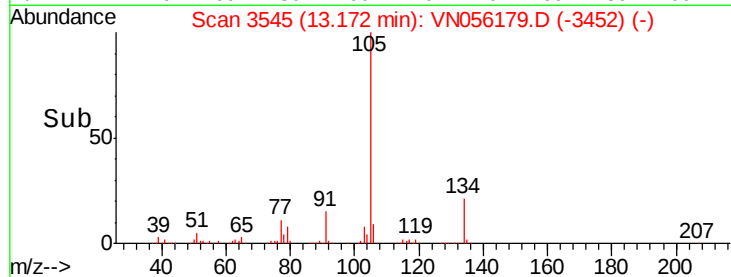
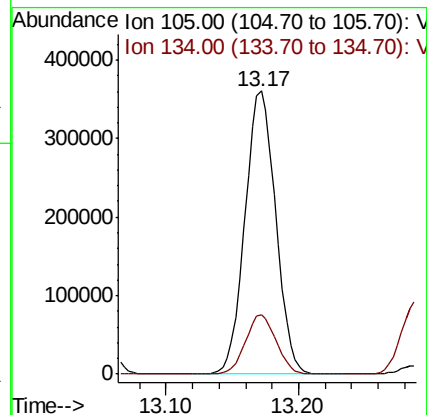
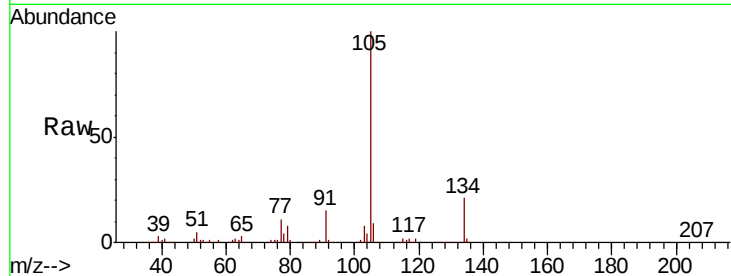
BP-MH-SW4001-SOUTH-20190608M

Tot Ion:105 Resp: 579779

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.2



#86

p-Isopropyltoluene

Concen: 47.497 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

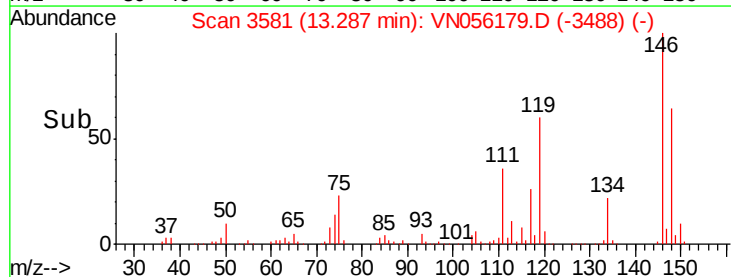
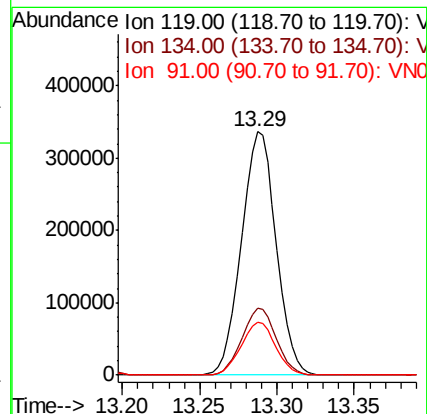
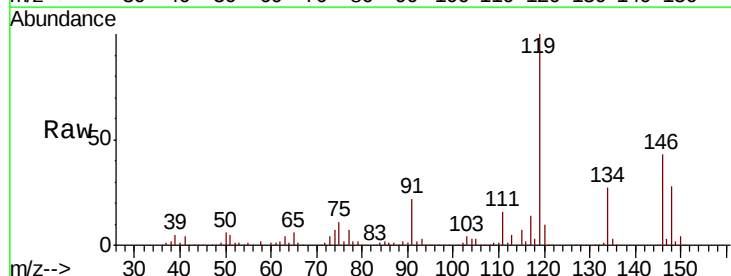
Tgt Ion:119 Resp: 521442

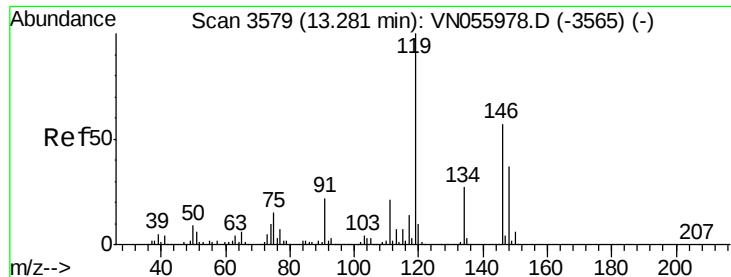
Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

91 21.5 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 49.724 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

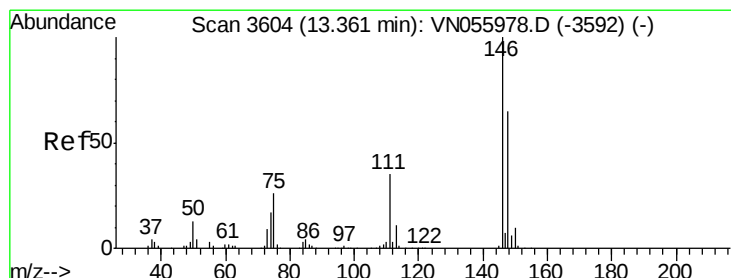
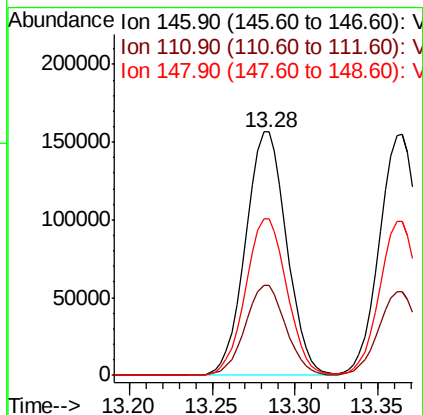
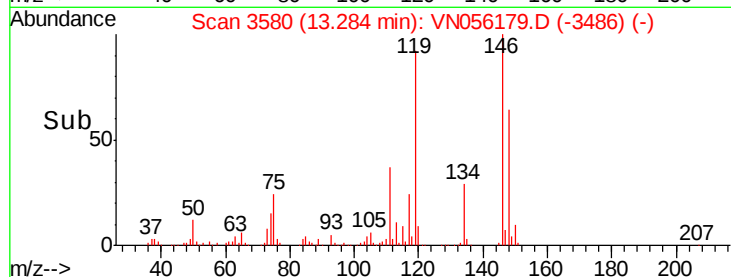
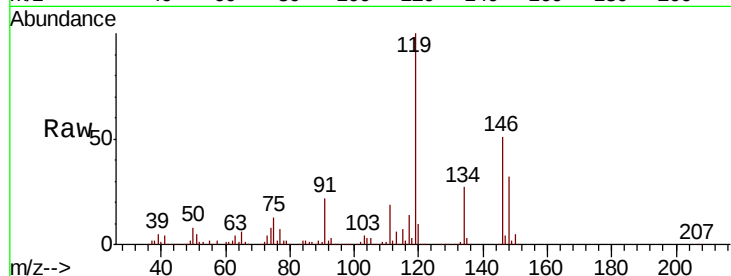
Tot Ion:146 Resp: 269774

Ion Ratio Lower Upper

146 100

111 36.5 18.5 55.5

148 64.5 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 49.919 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

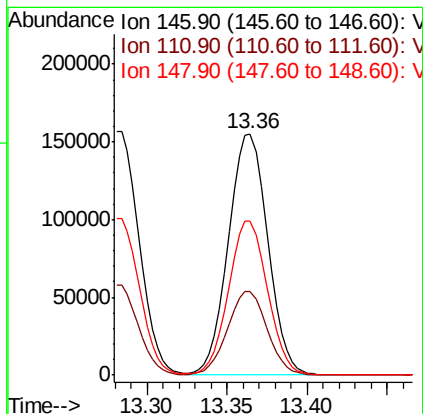
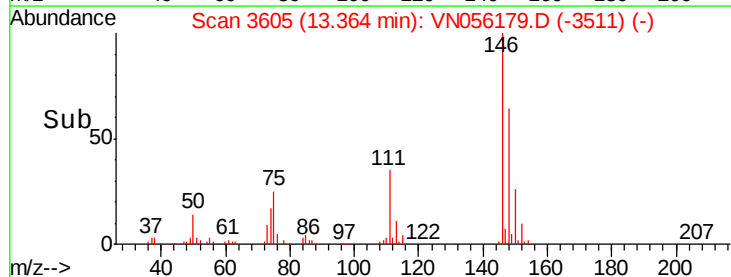
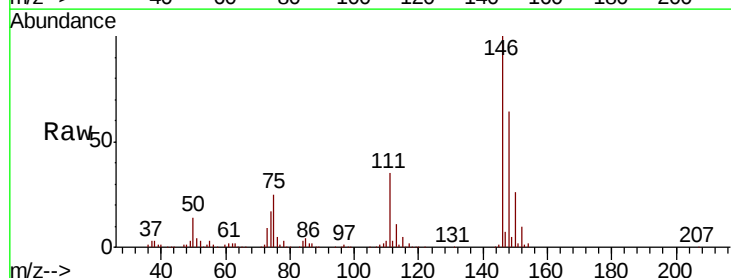
Tgt Ion:146 Resp: 260530

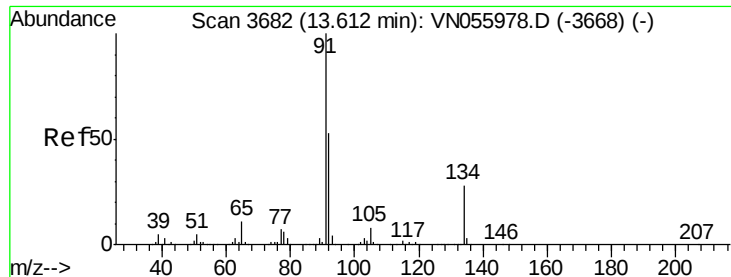
Ion Ratio Lower Upper

146 100

111 35.0 18.1 54.4

148 63.2 32.1 96.5





#89

n-Butylbenzene

Concen: 46.900 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

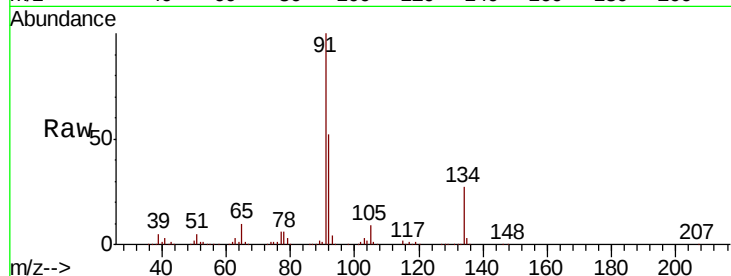
Tot Ion: 91 Resp: 381426

Ion Ratio Lower Upper

91 100

92 52.1 26.4 79.0

134 27.3 13.9 41.7

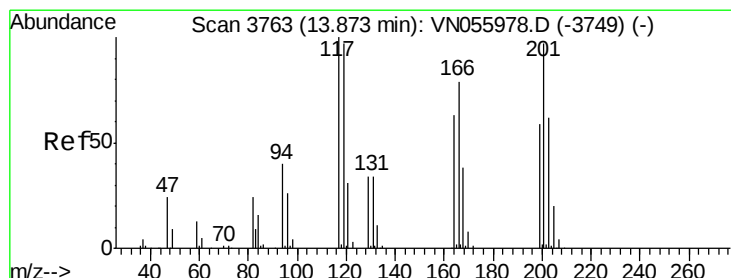
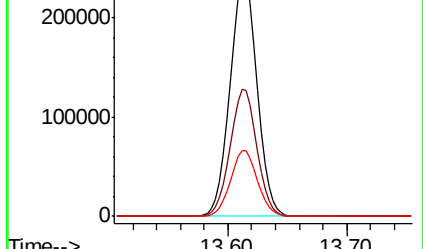
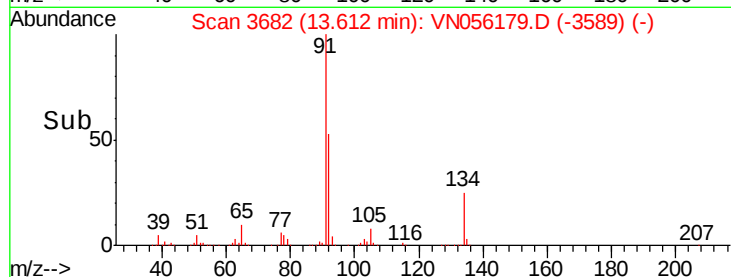


Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 52.230 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056179.D

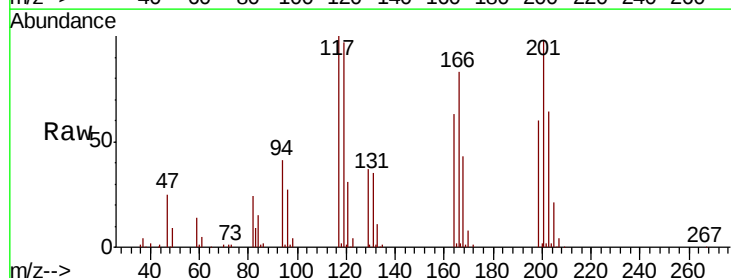
Acq: 10 Jun 2019 19:09

Tgt Ion: 117 Resp: 86475

Ion Ratio Lower Upper

117 100

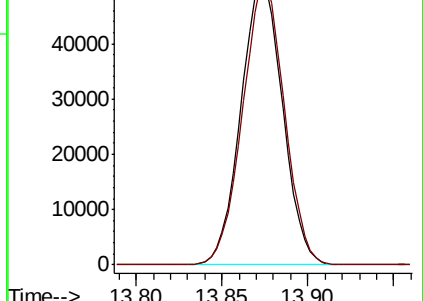
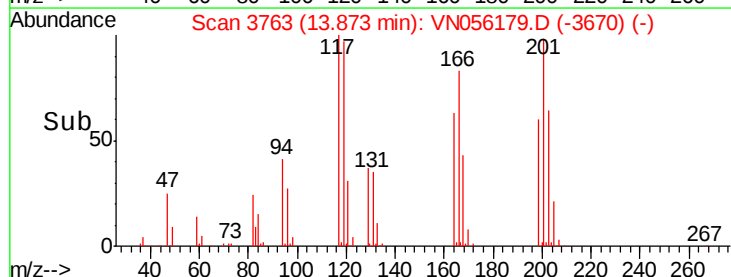
201 99.3 50.0 150.0

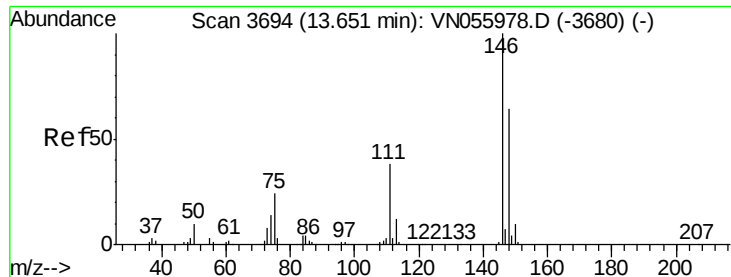


Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 49.527 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

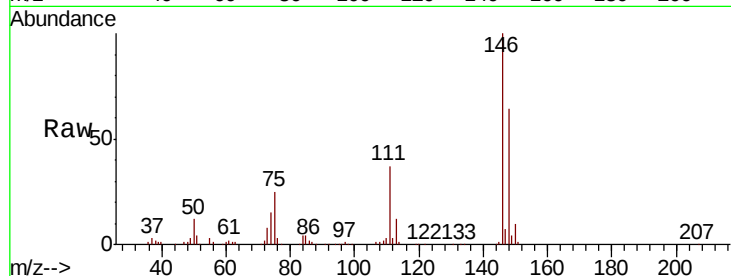
Tot Ion:146 Resp: 271293

Ion Ratio Lower Upper

146 100

111 37.1 19.1 57.5

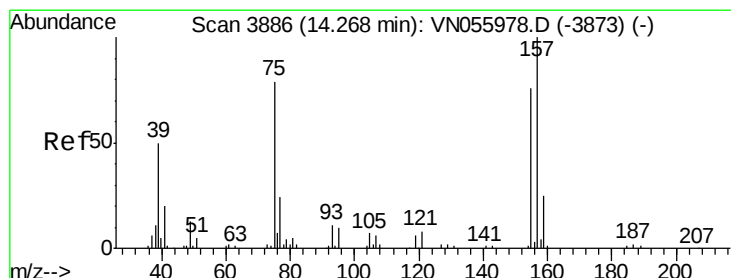
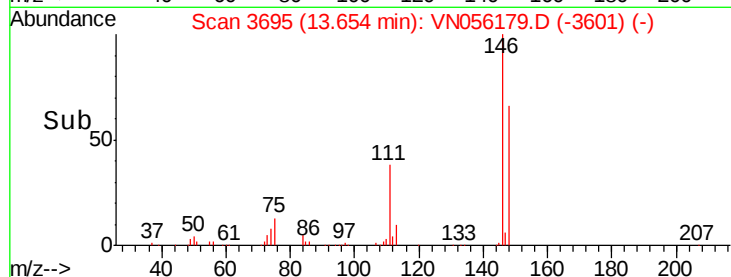
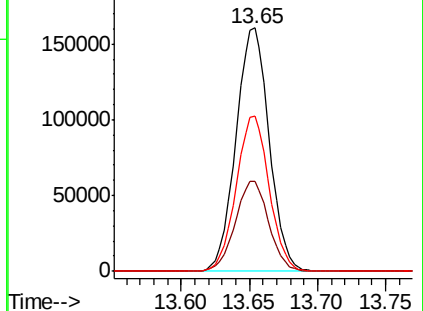
148 63.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.486 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

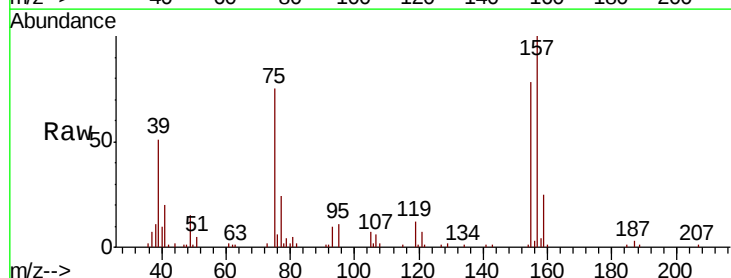
Tgt Ion: 75 Resp: 30709

Ion Ratio Lower Upper

75 100

155 105.2 50.0 150.1

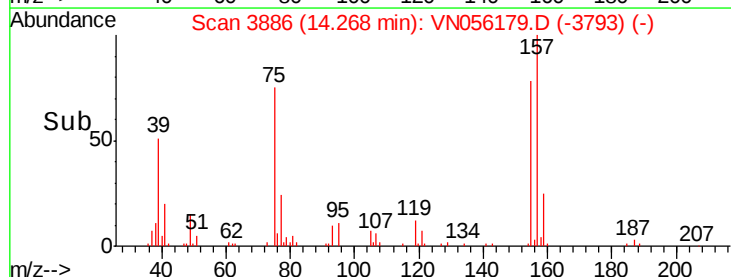
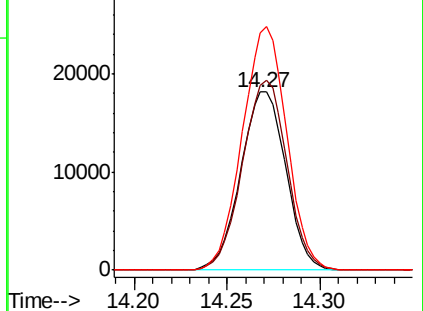
157 134.2 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

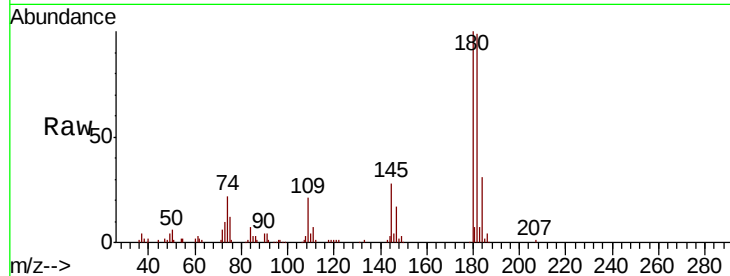




#93
 1,2,4-Trichlorobenzene
 Concen: 40.882 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.3	144.9
145	27.7	14.0	41.9

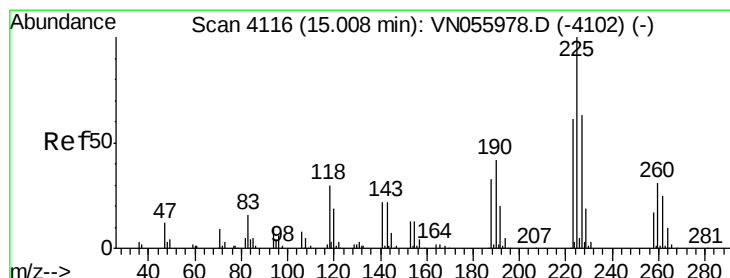
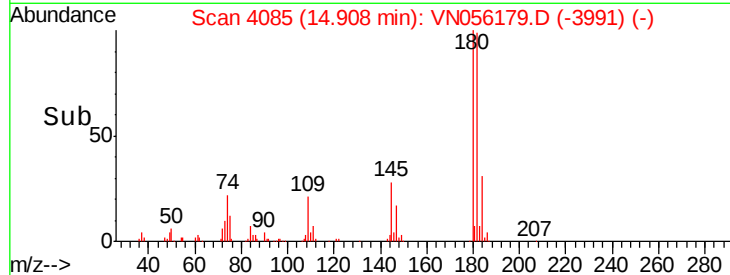
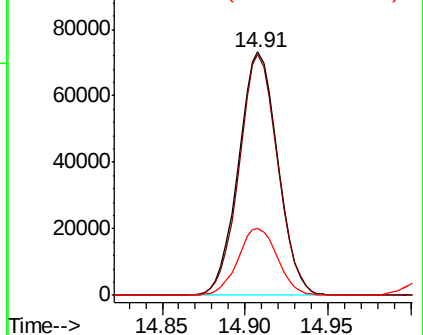


Abundance

Ion 179.80 (179.50 to 180.50): V

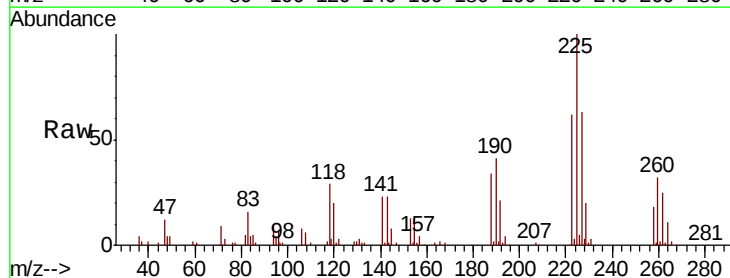
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.998 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.9	92.7
227	62.8	31.6	94.7

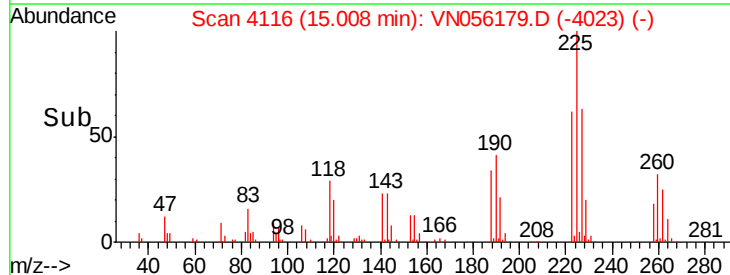
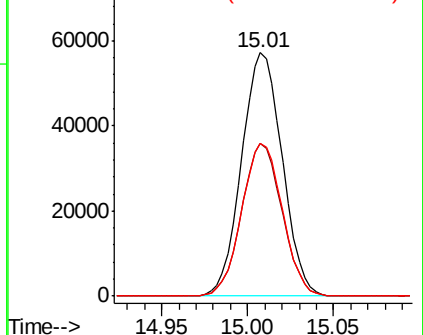


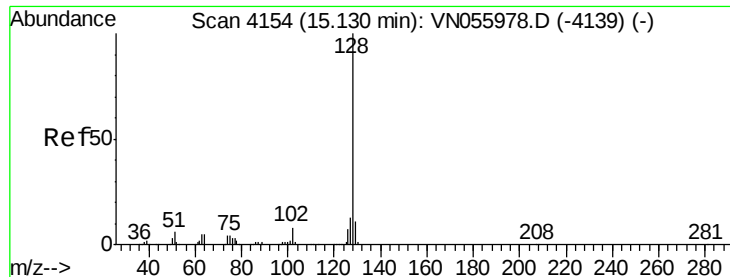
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 42.759 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

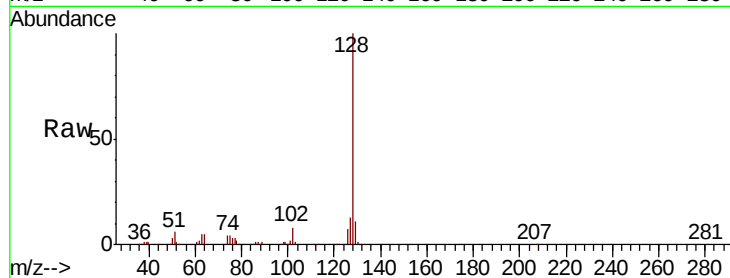
Tot Ion:128 Resp: 330134

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

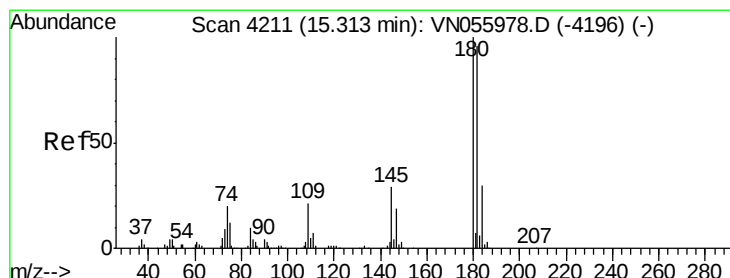
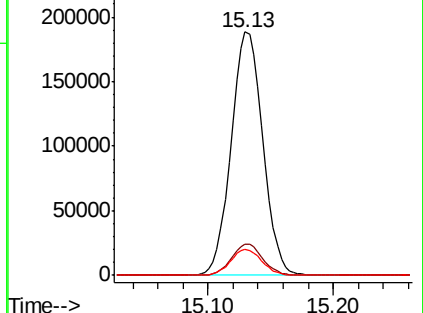
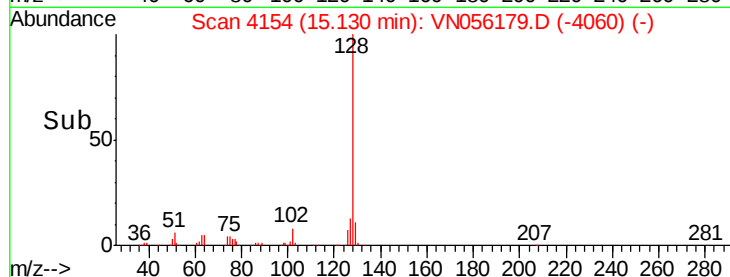
129 10.6 8.7 13.1



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: 44.992 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

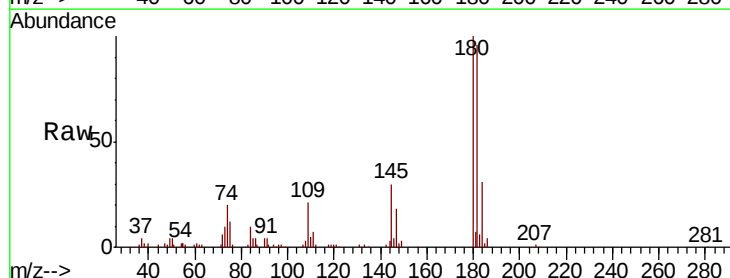
Tgt Ion:180 Resp: 137411

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.7

145 29.5 14.9 44.7



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

