

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056231.D
 Acq On : 11 Jun 2019 18:33
 Operator : JC/SP
 Sample : K3284-06MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Quant Time: Jun 12 06:35:47 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	298137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	420836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	383234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	171257	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	151412	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
35) Dibromofluoromethane	7.59	113	137081	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
50) Toluene-d8	10.09	98	517684	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.40	95	175541	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	148491	45.369	ug/l	100
3) Chloromethane	2.06	50	158967	49.188	ug/l	99
4) Vinyl Chloride	2.18	62	159122	49.084	ug/l	98
5) Bromomethane	2.54	94	93284	45.553	ug/l	99
6) Chloroethane	2.69	64	90337	48.062	ug/l	98
7) Trichlorofluoromethane	3.01	101	199333	48.165	ug/l	99
8) Diethyl Ether	3.40	74	76190	44.767	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	122681	48.800	ug/l	98
10) Methyl Iodide	3.94	142	191513	47.937	ug/l	100
11) Tert butyl alcohol	4.82	59	99733	193.601	ug/l	99
12) 1,1-Dichloroethene	3.72	96	121788	48.660	ug/l	97
13) Acrolein	3.60	56	49455	332.868	ug/l	97
14) Allyl chloride	4.31	41	185943	47.049	ug/l	99
15) Acrylonitrile	4.99	53	331248	264.150	ug/l	100
16) Acetone	3.82	43	258273	182.423	ug/l	100
17) Carbon Disulfide	4.04	76	297219	49.597	ug/l	99
18) Methyl Acetate	4.33	43	127156	45.673	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	380384	47.680	ug/l	99
20) Methylene Chloride	4.54	84	141686	48.575	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	130913	48.818	ug/l	99
22) Diisopropyl ether	5.96	45	394816	48.328	ug/l	97
23) Vinyl Acetate	5.90	43	1412786	219.598	ug/l	99
24) 1,1-Dichloroethane	5.84	63	233553	49.560	ug/l	99
25) 2-Butanone	6.84	43	422115	235.975	ug/l	99
26) 2,2-Dichloropropane	6.82	77	131274	35.699	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	154291	48.947	ug/l	95
28) Bromochloromethane	7.19	49	117437	52.697	ug/l	97
29) Tetrahydrofuran	7.22	42	282026	255.057	ug/l	99
30) Chloroform	7.37	83	238567	50.324	ug/l	100
31) Cyclohexane	7.65	56	211728	45.074	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	198721	50.198	ug/l	99
36) 1,1-Dichloropropene	7.79	75	173123	47.843	ug/l	99
37) Ethyl Acetate	6.93	43	153172	47.574	ug/l	99
38) Carbon Tetrachloride	7.77	117	172690	51.763	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	209605	46.499	ug/l	99
40) Benzene	8.04	78	553778	50.387	ug/l	99
41) Methacrylonitrile	7.17	41	81488	55.009	ug/l	94
42) 1,2-Dichloroethane	8.12	62	172404	48.767	ug/l	99
43) Isopropyl Acetate	8.17	43	245680	47.089	ug/l	99
44) Trichloroethene	8.83	130	156831	49.660	ug/l	100
45) 1,2-Dichloropropane	9.12	63	143905	51.118	ug/l	100
46) Dibromomethane	9.21	93	95142	51.683	ug/l	97
47) Bromodichloromethane	9.40	83	179100	53.680	ug/l	99
48) Methyl methacrylate	9.20	41	134773	52.801	ug/l	97
49) 1,4-Dioxane	9.20	88	53019	962.139	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	862420	264.327	ug/l	100
52) Toluene	10.16	92	348005	50.886	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	172810	44.457	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	200135	49.903	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	139992	51.676	ug/l	99
56) Ethyl methacrylate	10.43	69	206120	52.154	ug/l	98
57) 1,3-Dichloropropane	10.71	76	229084	52.019	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.75	63	1178	15.582	ug/l #	46
59) 2-Hexanone	10.75	43	594893	251.569	ug/l	100
60) Dibromochloromethane	10.90	129	153900	51.435	ug/l	100
61) 1,2-Dibromoethane	11.00	107	146250	52.808	ug/l	99
64) Tetrachloroethene	10.63	164	158296	47.718	ug/l	98
65) Chlorobenzene	11.43	112	376994	49.428	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	140442	53.328	ug/l	99
67) Ethyl Benzene	11.51	91	649396	48.965	ug/l	99
68) m/p-Xylenes	11.62	106	498302	98.355	ug/l	99
69) o-Xylene	11.95	106	243775	48.916	ug/l	100
70) Styrene	11.96	104	406311	51.314	ug/l	99
71) Bromoform	12.13	173	113210	51.137	ug/l #	100
73) Isopropylbenzene	12.25	105	640536	52.598	ug/l	100
74) N-amyl acetate	12.07	43	191917	42.040	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	196094	49.324	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	220675	70.029	ug/l #	100
77) Bromobenzene	12.53	156	177176	48.322	ug/l	94
78) n-propylbenzene	12.59	91	678646	46.841	ug/l	99
79) 2-Chlorotoluene	12.67	91	419079	52.254	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	523856	45.495	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42590	45.009	ug/l #	87
82) 4-Chlorotoluene	12.77	91	398199	46.978	ug/l	99
83) tert-Butylbenzene	12.99	119	470856	52.859	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	517784	47.419	ug/l	98
85) sec-Butylbenzene	13.17	105	601233	46.859	ug/l	100
86) p-Isopropyltoluene	13.29	119	539417	46.975	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	277898	48.971	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	261503	47.904	ug/l	99
89) n-Butylbenzene	13.61	91	388876	45.716	ug/l	100
90) Hexachloroethane	13.87	117	91994	53.122	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	277309	48.402	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30622	53.852	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	125907	40.743	ug/l	98
94) Hexachlorobutadiene	15.01	225	104606	53.374	ug/l	99
95) Naphthalene	15.13	128	322012	40.135	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	140147	43.947	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

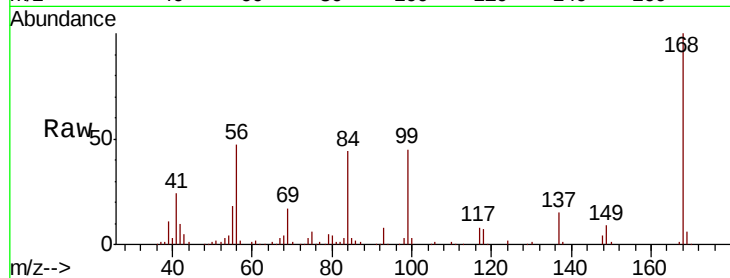
BP-TT-AOC22-MW10-20190609MS

Tot Ion:168 Resp: 298137

Ion Ratio Lower Upper

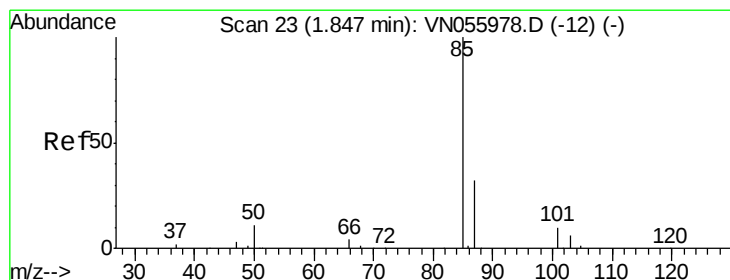
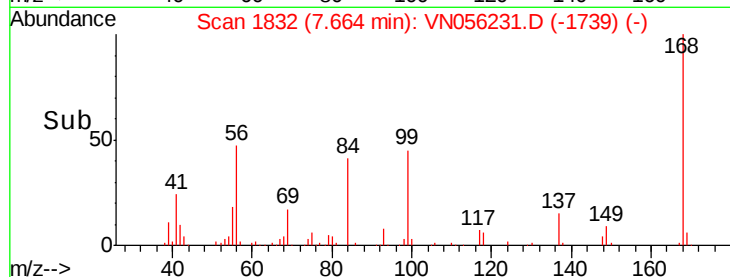
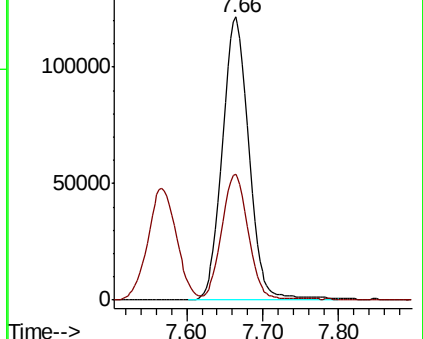
168 100

99 44.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 45.369 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056231.D

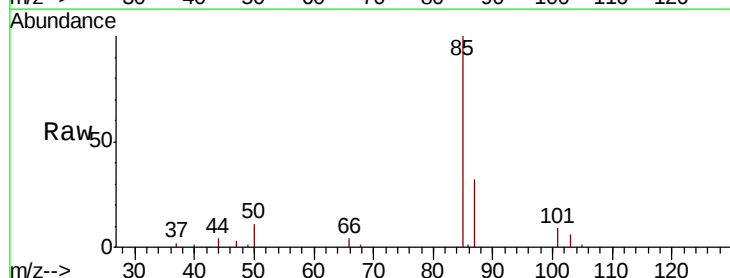
Acq: 11 Jun 2019 18:33

Tgt Ion: 85 Resp: 148491

Ion Ratio Lower Upper

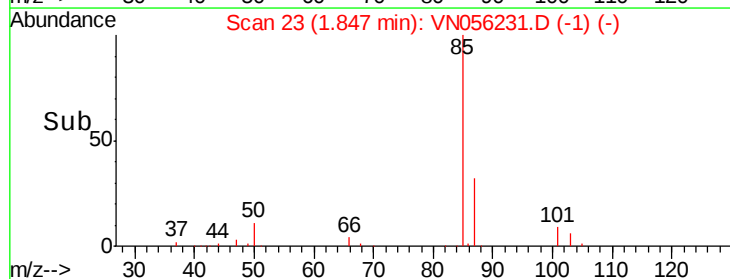
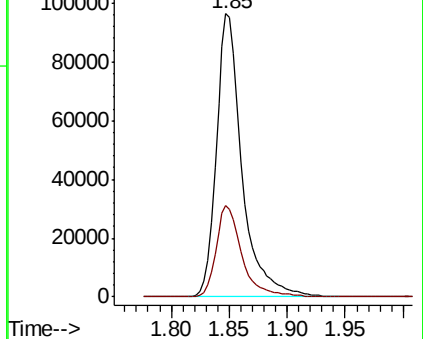
85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 49.188 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

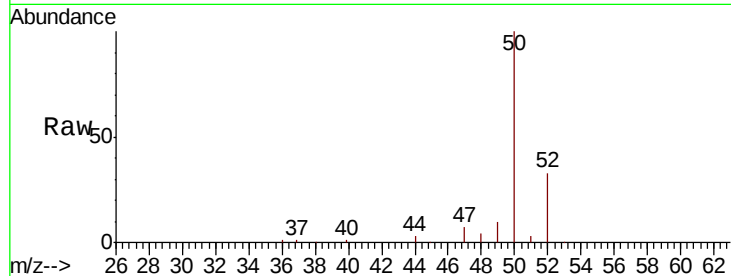
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 50 Resp: 158967

Ion Ratio Lower Upper

50 100

52 32.6 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN055978.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN055978.D (-76) (-)

2.06

120000

100000

80000

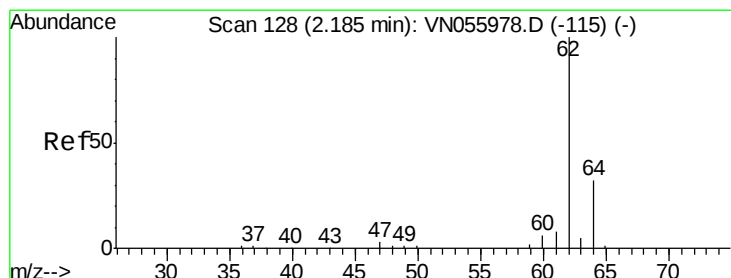
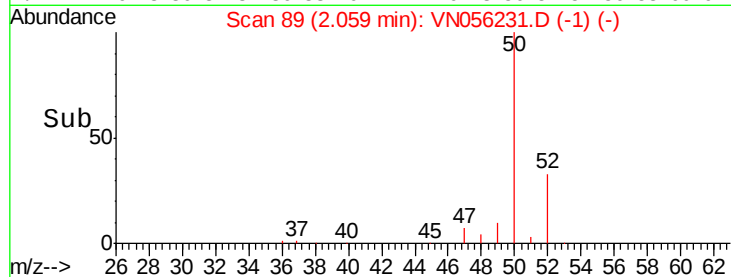
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 49.084 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056231.D

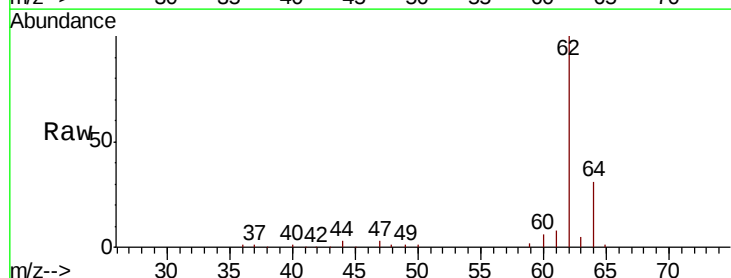
Acq: 11 Jun 2019 18:33

Tgt Ion: 62 Resp: 159122

Ion Ratio Lower Upper

62 100

64 30.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN055978.D (-115) (-)

2.18

120000

100000

80000

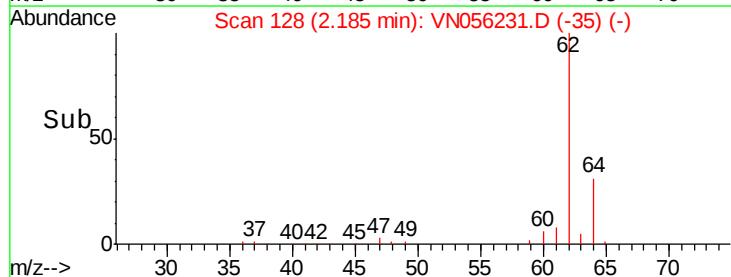
60000

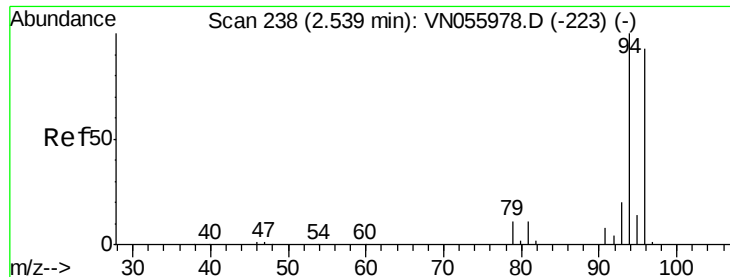
40000

20000

0

Time-->

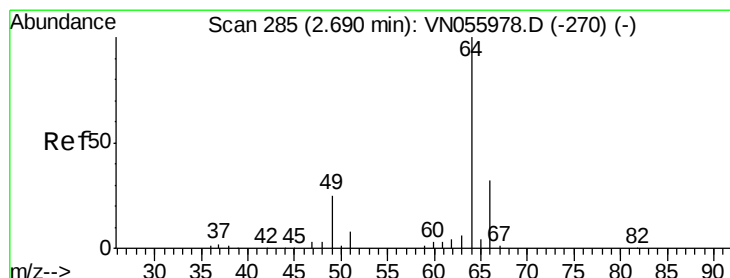
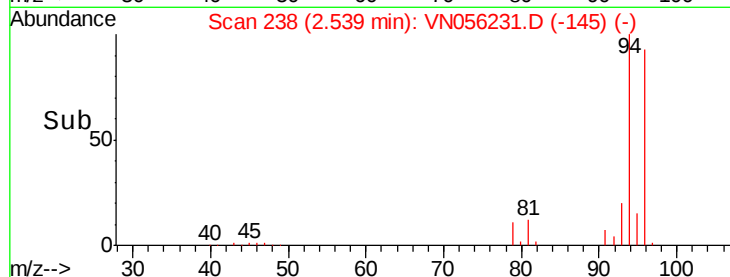
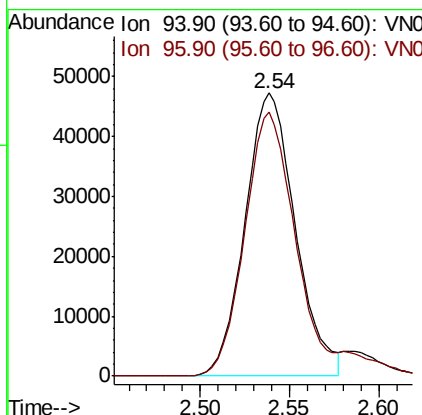
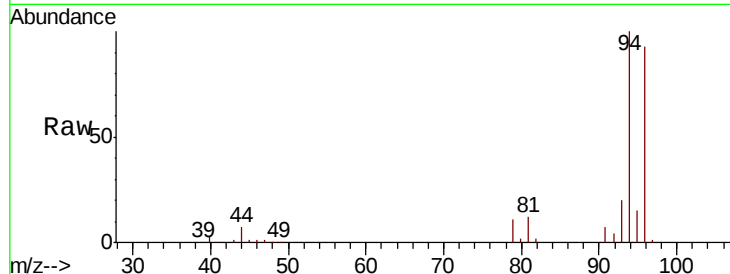




#5
Bromomethane
Concen: 45.553 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

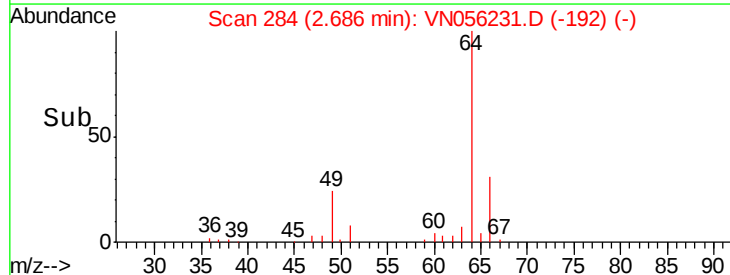
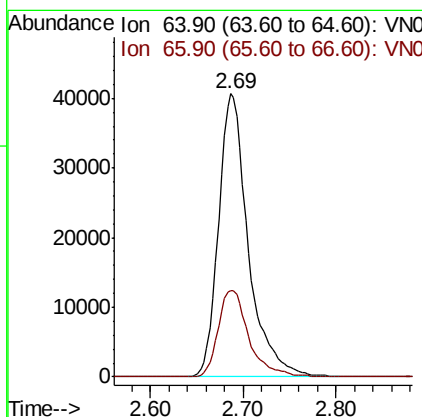
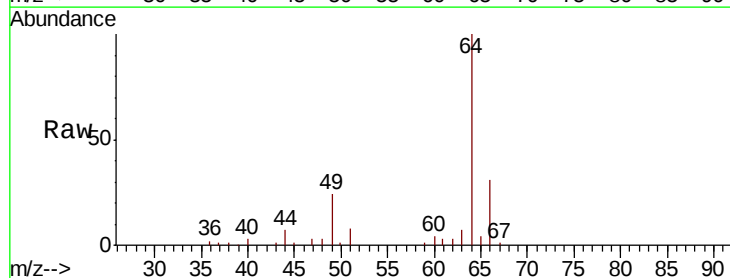
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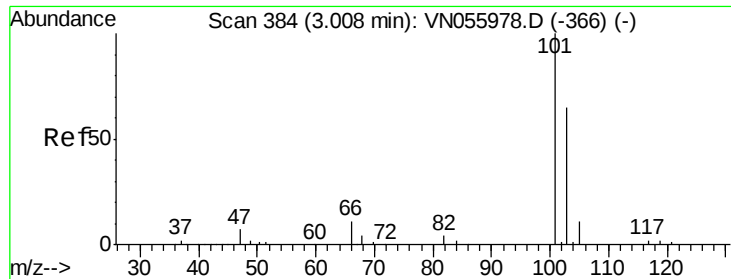
Tot Ion: 94 Resp: 93284
Ion Ratio Lower Upper
94 100
96 93.3 75.5 113.3



#6
Chloroethane
Concen: 48.062 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 64 Resp: 90337
Ion Ratio Lower Upper
64 100
66 30.6 25.4 38.0



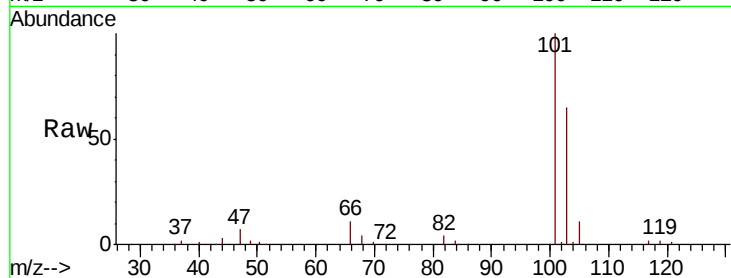


#7

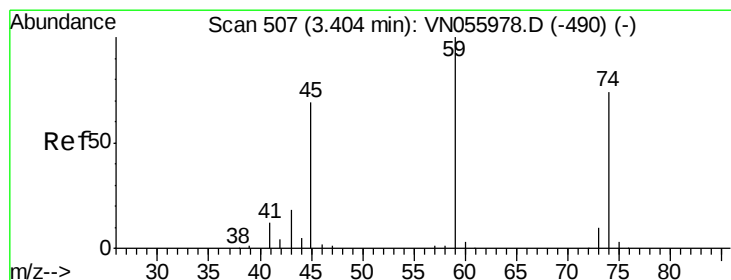
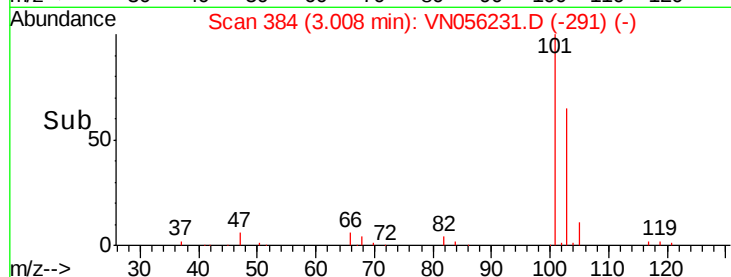
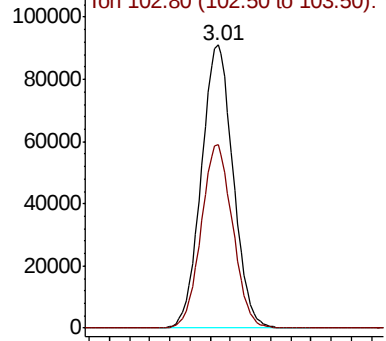
Trichlorofluoromethane
 Concen: 48.165 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

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Tot Ion:101 Resp: 199333
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.2 76.8



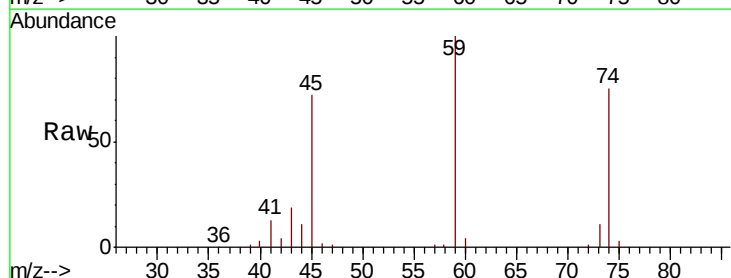
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



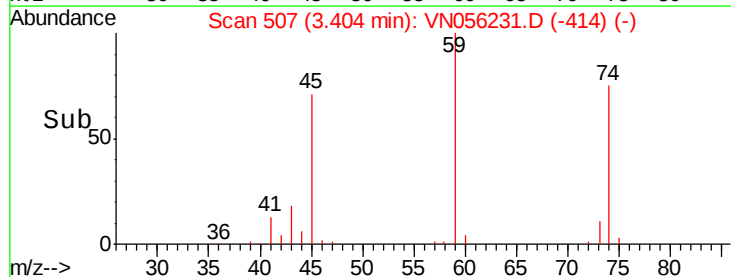
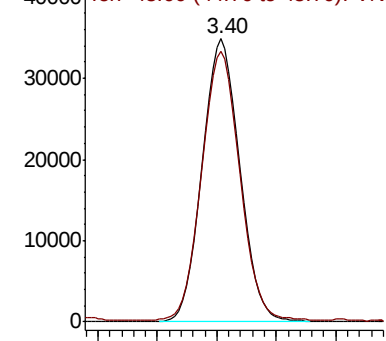
#8

Diethyl Ether
 Concen: 44.767 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion: 74 Resp: 76190
 Ion Ratio Lower Upper
 74 100
 45 96.5 48.6 145.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.800 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

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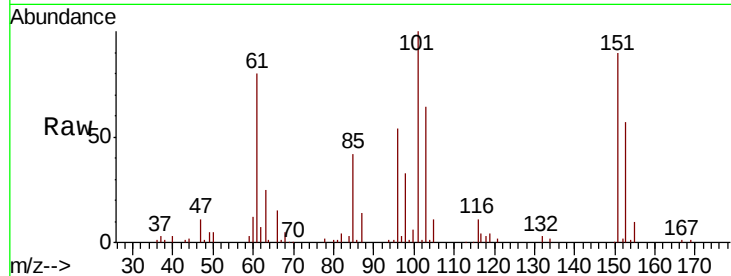
Tot Ion:101 Resp: 122681

Ion Ratio Lower Upper

101 100

85 41.4 33.4 50.2

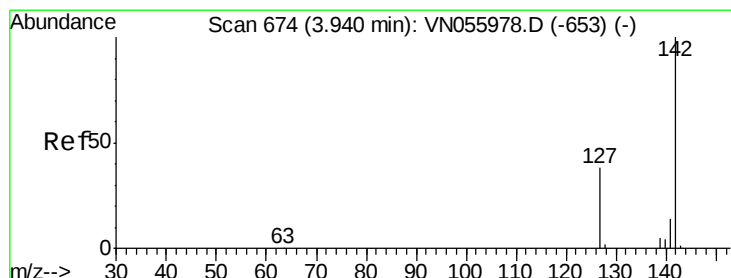
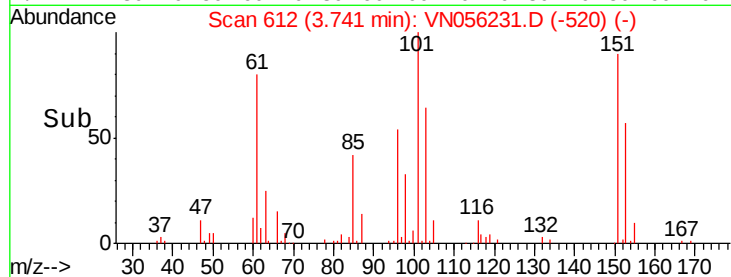
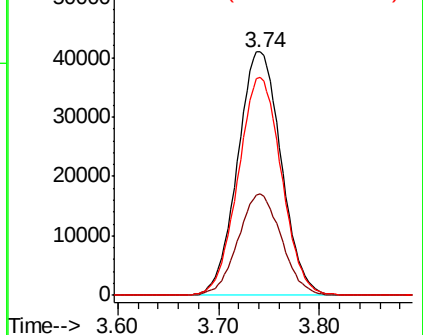
151 89.0 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.937 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

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Acq: 11 Jun 2019 18:33

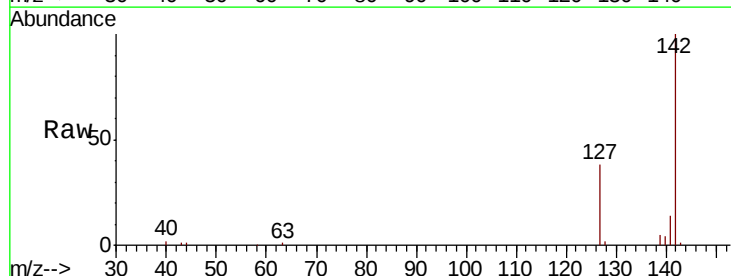
Tgt Ion:142 Resp: 191513

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.4

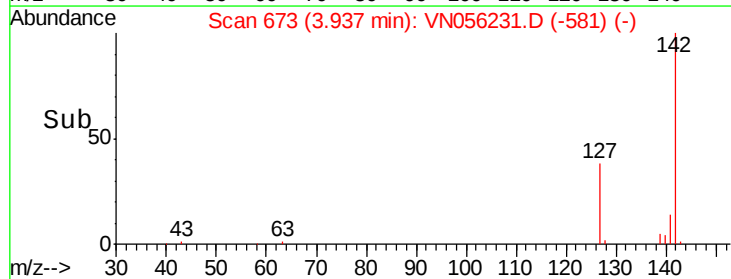
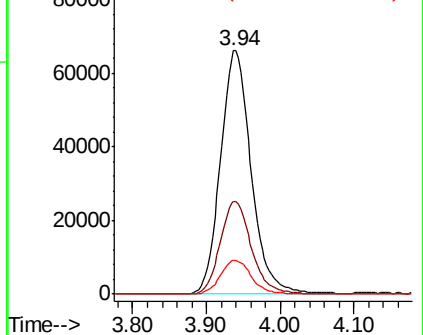
141 14.0 11.4 17.0

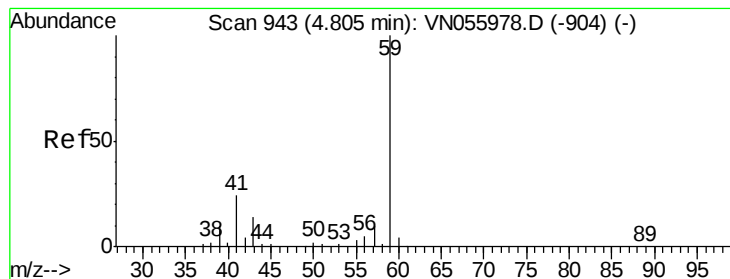


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



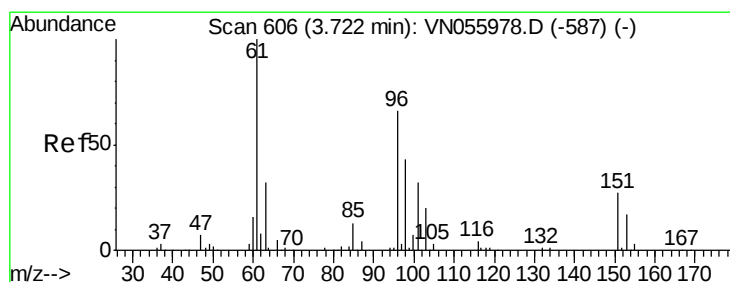
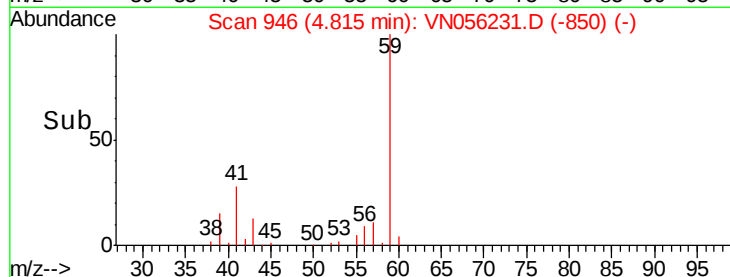
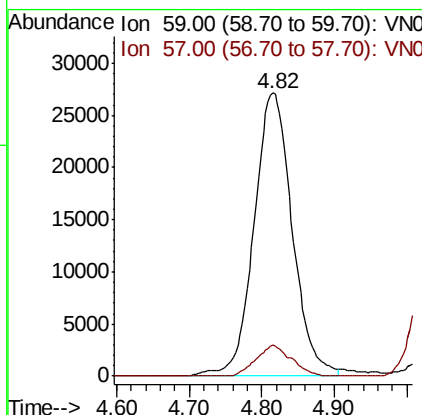
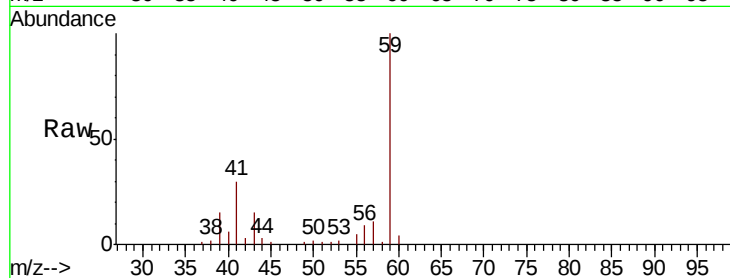


#11

Tert butyl alcohol
 Concen: 193.601 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

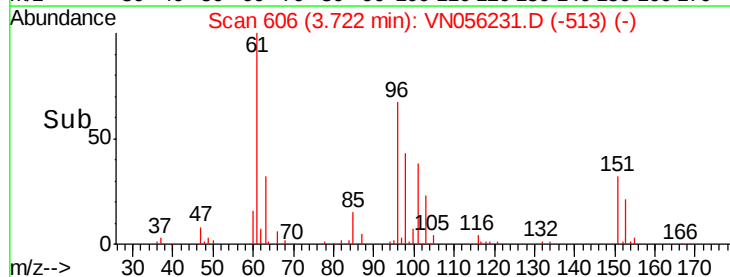
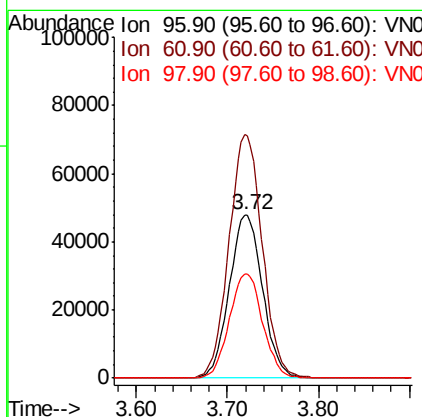
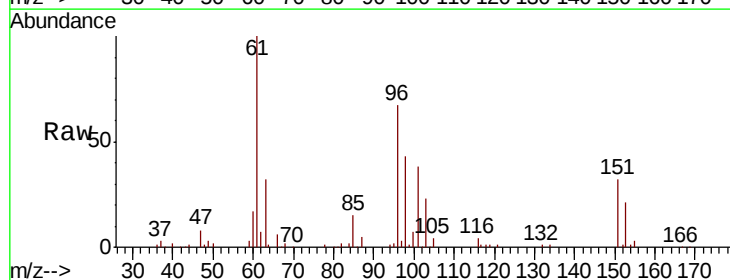
Tot Ion: 59 Resp: 99733
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.8 11.6

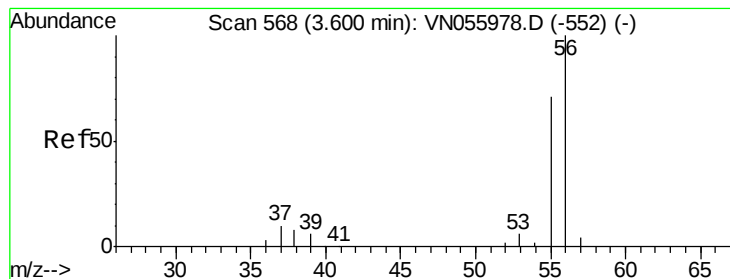


#12

1,1-Dichloroethene
 Concen: 48.660 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion: 96 Resp: 121788
 Ion Ratio Lower Upper
 96 100
 61 148.4 123.2 184.8
 98 63.8 50.4 75.6





#13

Acrolein

Concen: 332.868 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

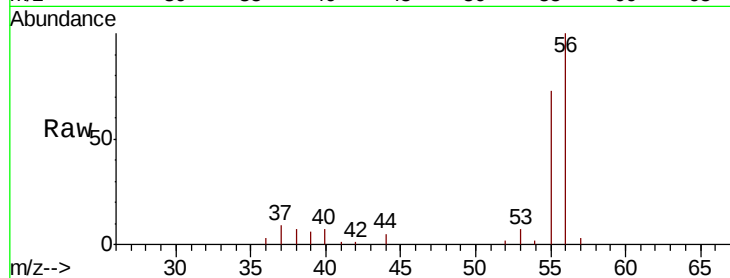
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 56 Resp: 49455

Ion Ratio Lower Upper

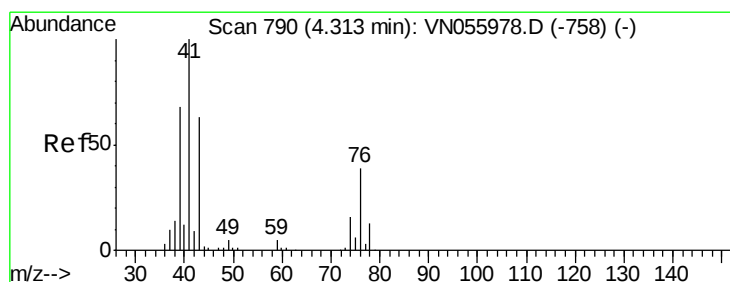
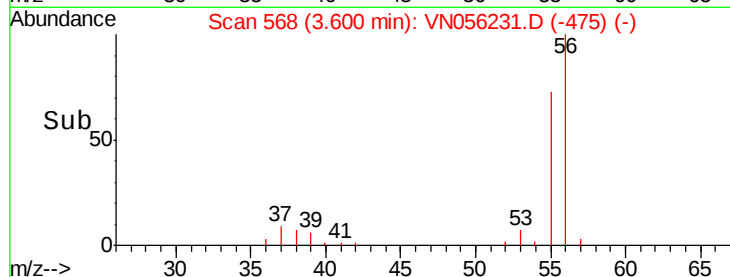
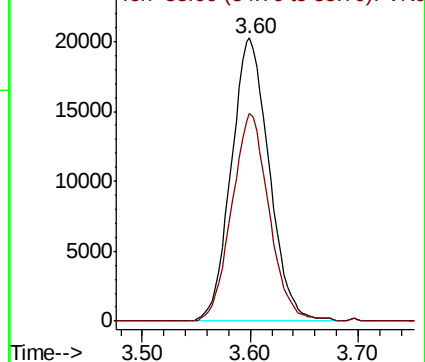
56 100

55 72.1 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.049 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

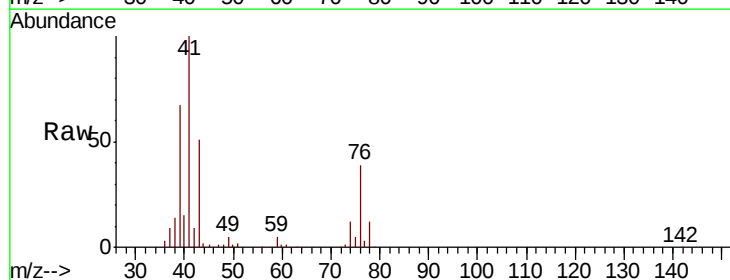
Tgt Ion: 41 Resp: 185943

Ion Ratio Lower Upper

41 100

39 62.8 50.0 75.0

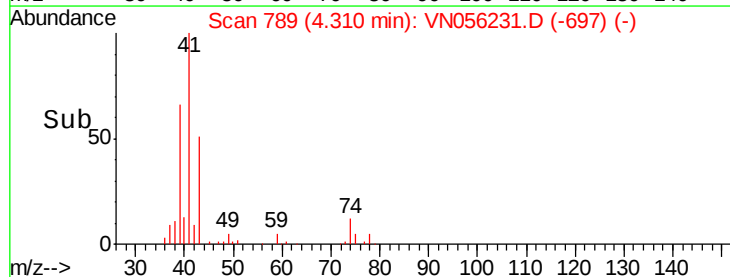
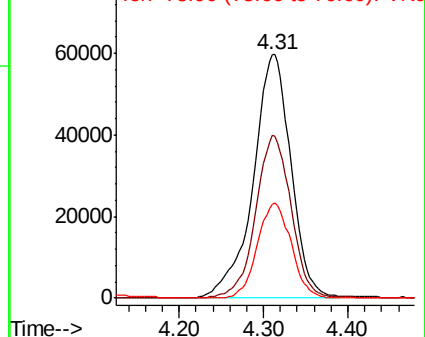
76 34.8 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 264.150 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

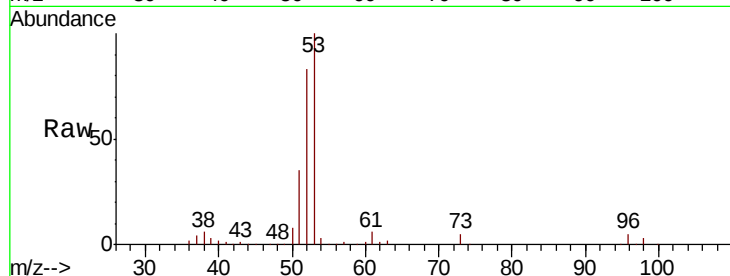
Tot Ion: 53 Resp: 331248

Ion Ratio Lower Upper

53 100

52 82.5 65.8 98.8

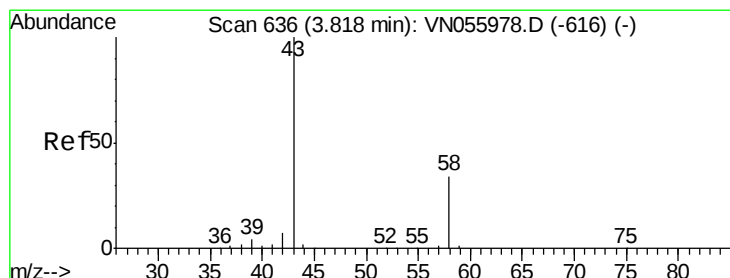
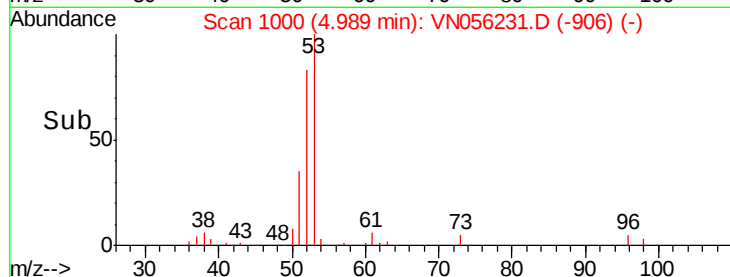
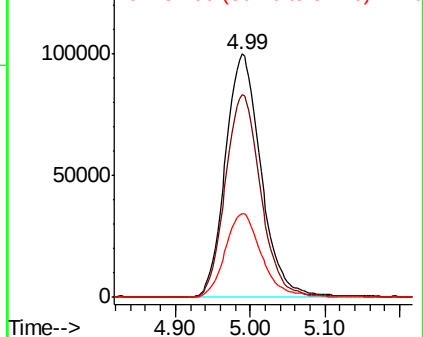
51 35.4 28.2 42.4



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: 182.423 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056231.D

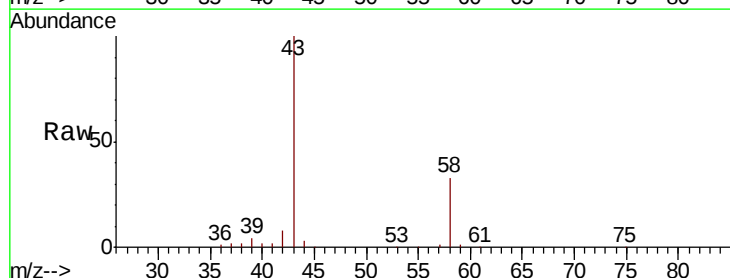
Acq: 11 Jun 2019 18:33

Tgt Ion: 43 Resp: 258273

Ion Ratio Lower Upper

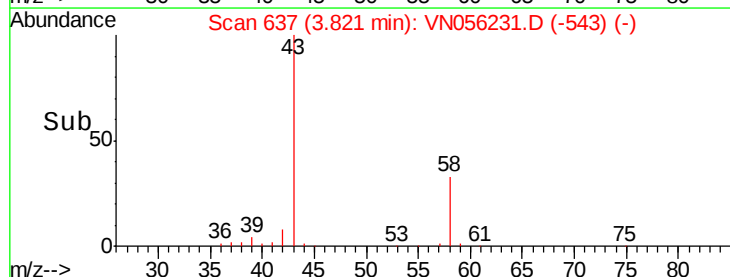
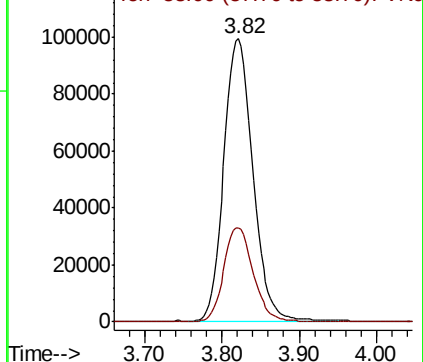
43 100

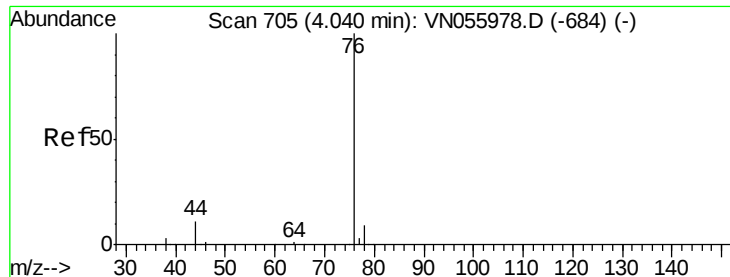
58 33.5 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 49.597 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

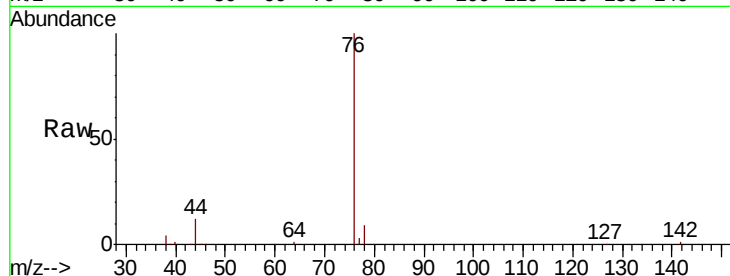
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 76 Resp: 297219

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

120000

100000

80000

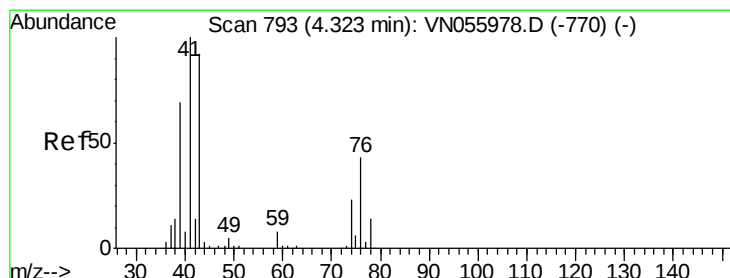
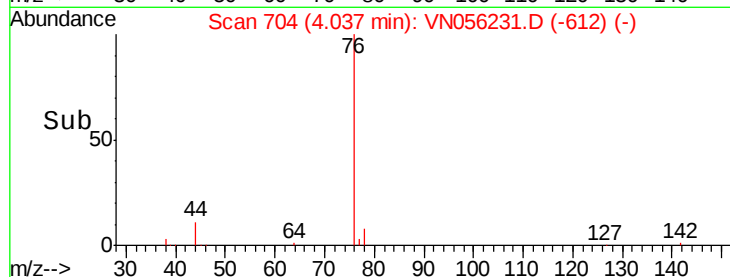
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 45.673 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056231.D

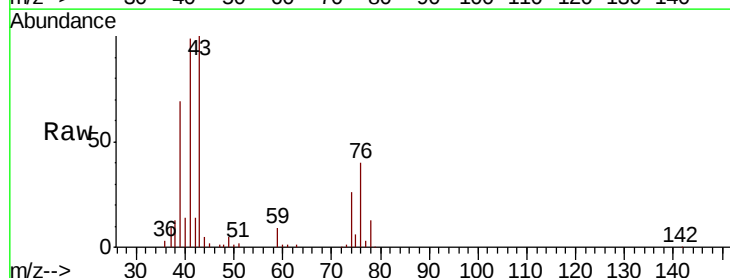
Acq: 11 Jun 2019 18:33

Tgt Ion: 43 Resp: 127156

Ion Ratio Lower Upper

43 100

74 25.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

50000

40000

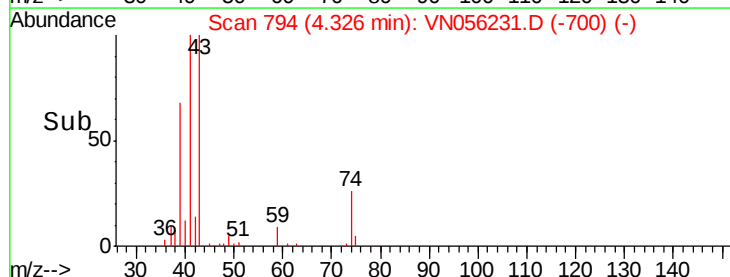
30000

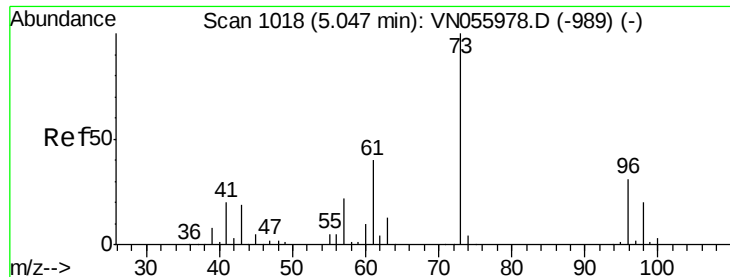
20000

10000

0

Time-->

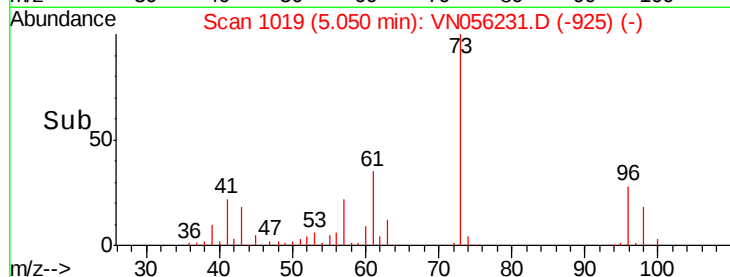
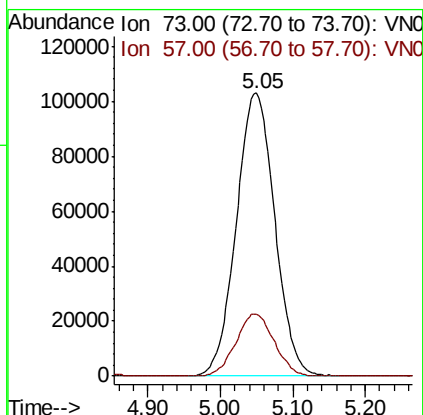
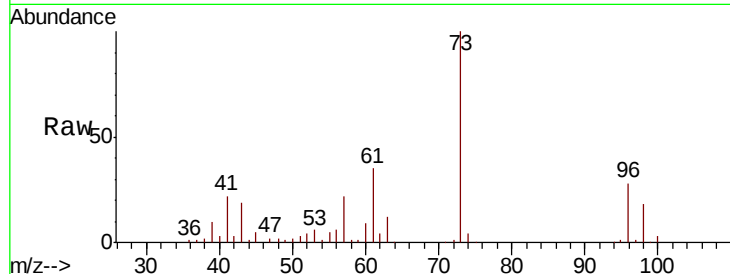




#19
Methvl tert-butvl Ether
Concen: 47.680 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

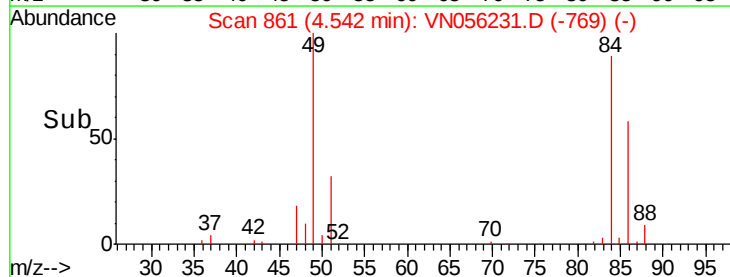
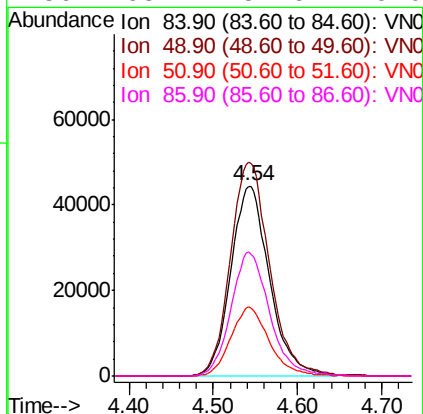
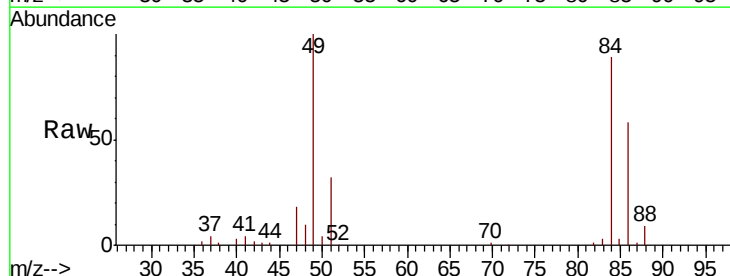
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

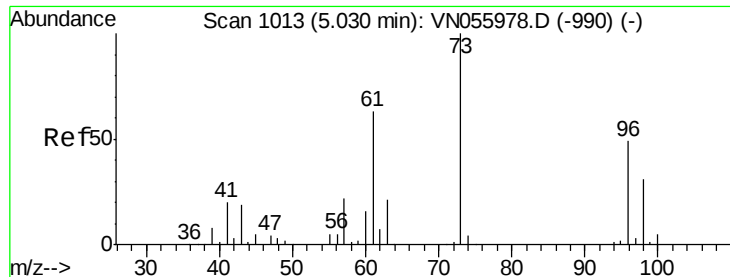
Tot Ion: 73 Resp: 380384
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8



#20
Methylene Chloride
Concen: 48.575 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 84 Resp: 141686
Ion Ratio Lower Upper
84 100
49 112.5 93.5 140.3
51 36.4 28.6 43.0
86 65.1 52.6 79.0

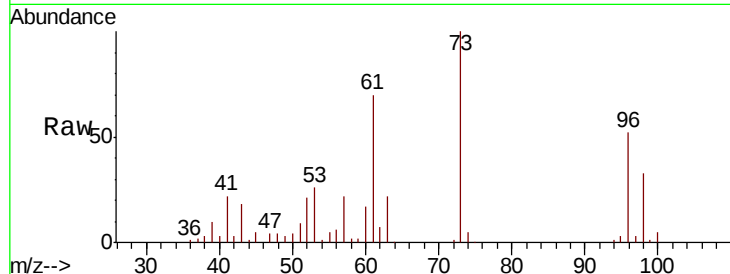




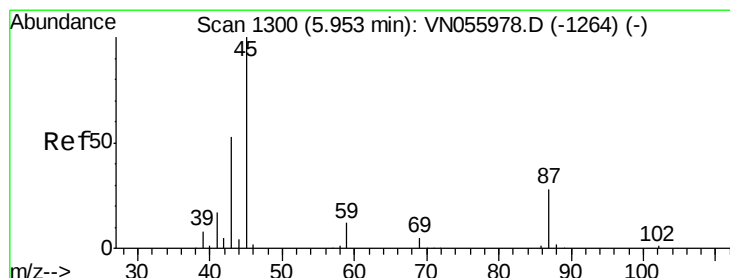
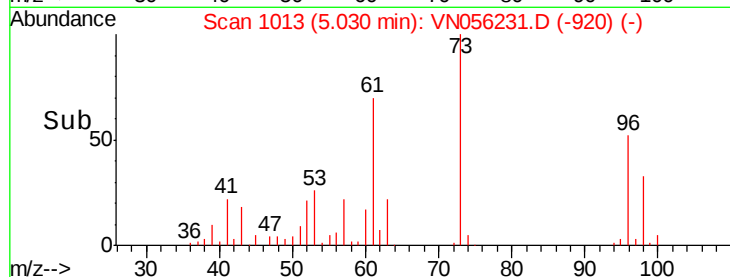
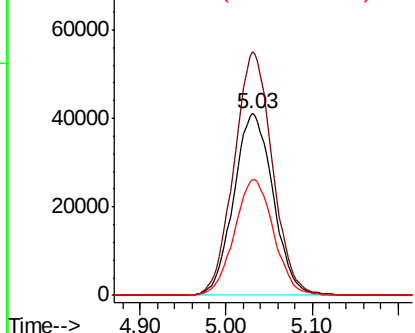
#21
trans-1,2-Dichloroethene
Concen: 48.818 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 96 Resp: 130913
Ion Ratio Lower Upper
96 100
61 133.8 107.8 161.8
98 63.3 49.8 74.8

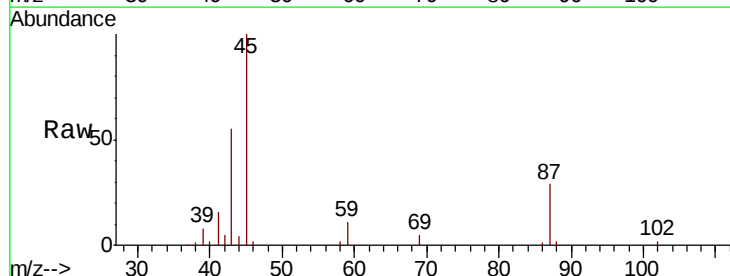


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

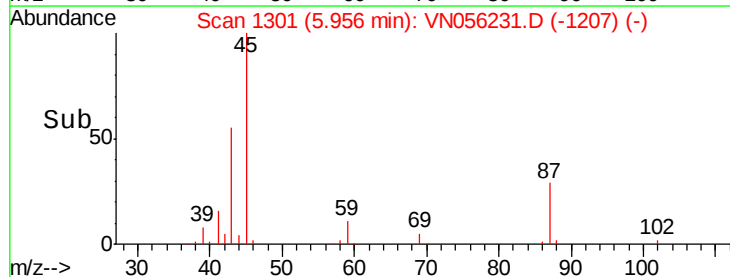
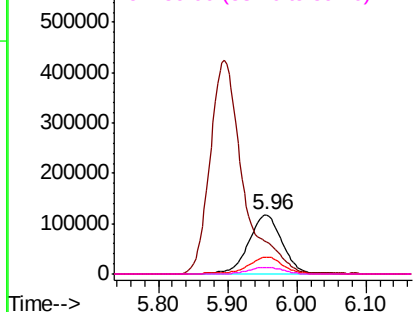


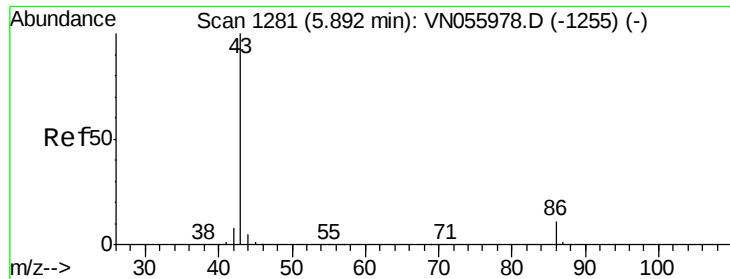
#22
Diisopropyl ether
Concen: 48.328 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 45 Resp: 394816
Ion Ratio Lower Upper
45 100
43 53.3 45.0 67.6
87 28.9 22.2 33.4
59 11.3 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

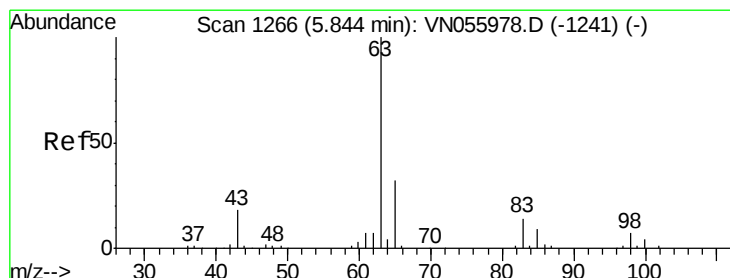
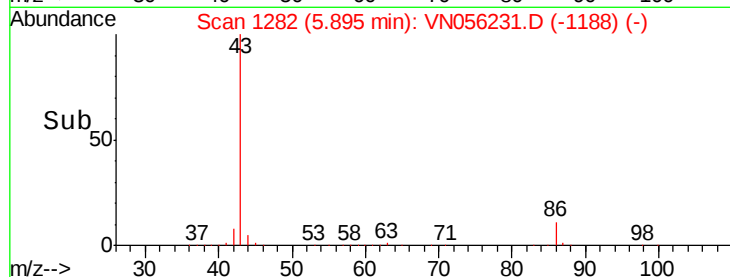
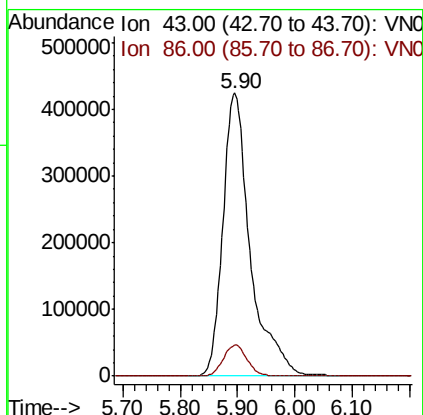
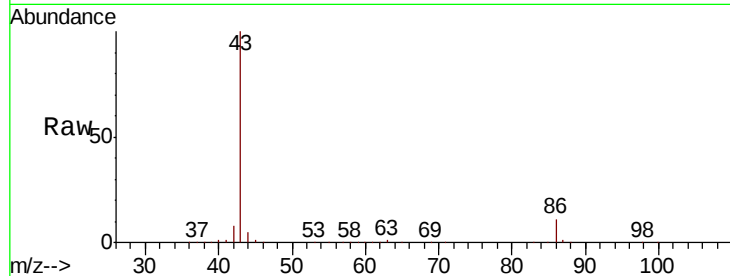




#23
 Vinyl Acetate
 Concen: 219.598 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

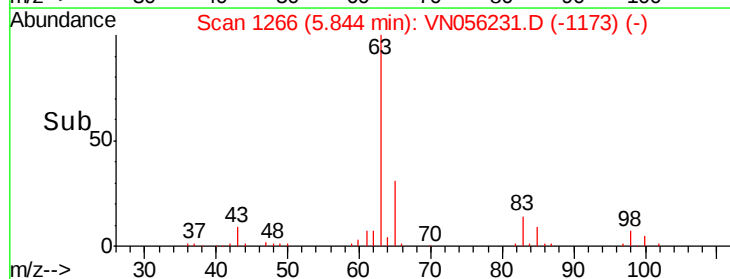
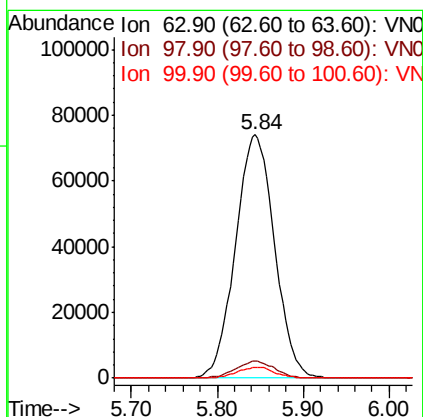
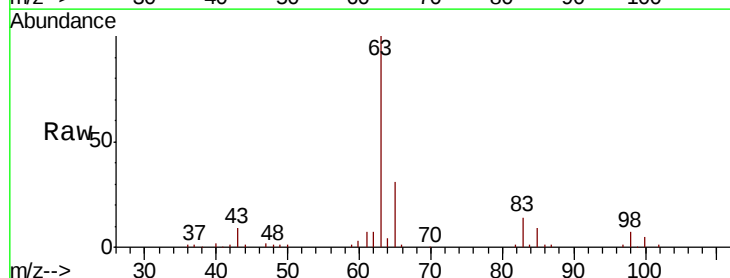
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Tot Ion: 43 Resp: 1412786
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 49.560 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion: 63 Resp: 233553
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.1
 100 4.5 2.2 6.6





#25

2-Butanone

Concen: 235.975 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

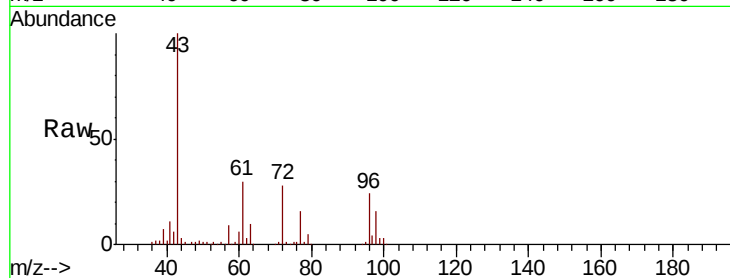
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 43 Resp: 422115

Ion Ratio Lower Upper

43 100

72 27.8 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

150000

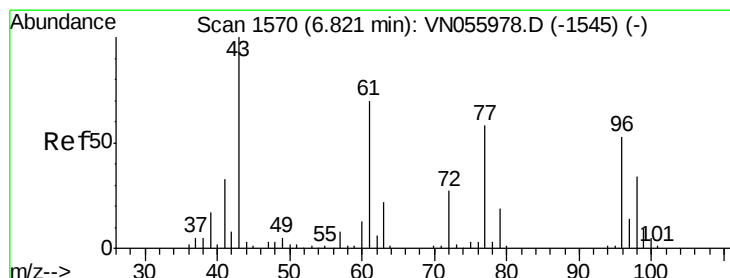
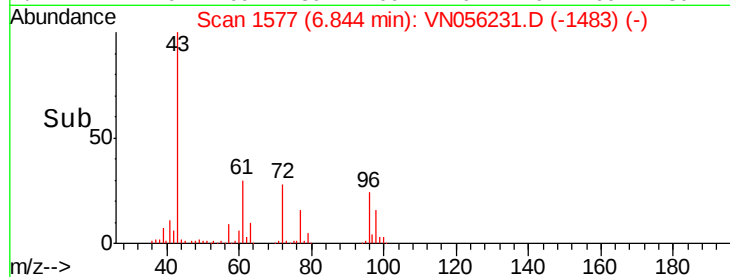
100000

50000

0

6.70 6.80 6.84 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 35.699 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056231.D

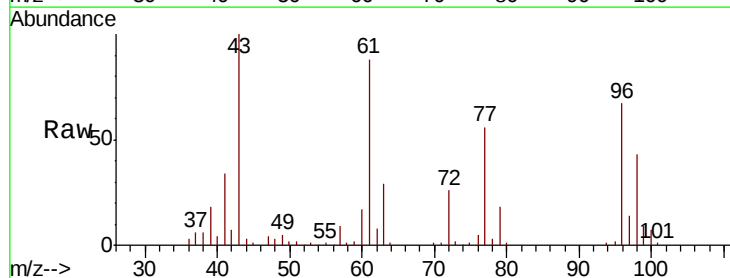
Acq: 11 Jun 2019 18:33

Tgt Ion: 77 Resp: 131274

Ion Ratio Lower Upper

77 100

97 25.6 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

50000

40000

30000

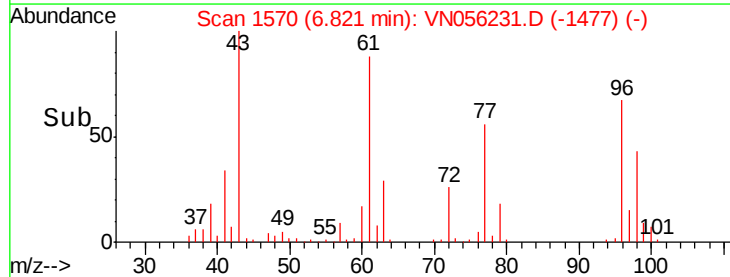
20000

10000

0

6.70 6.80 6.82 6.90

Time-->

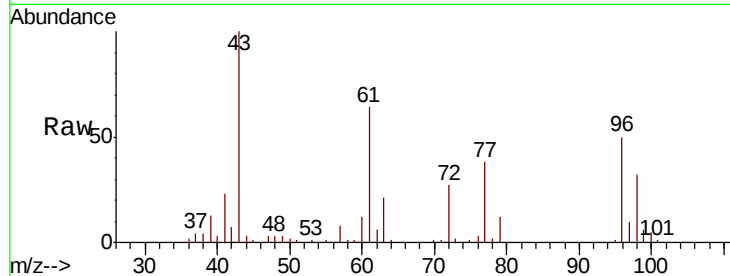




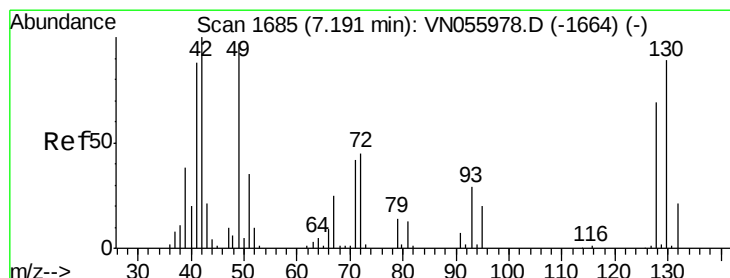
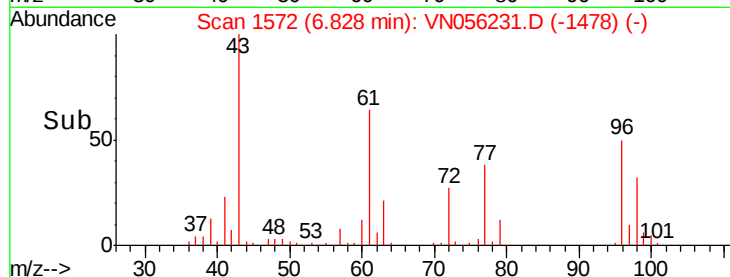
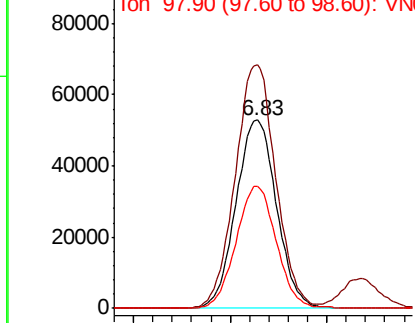
#27
 cis-1,2-Dichloroethene
 Concen: 48.947 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Tot Ion: 96 Resp: 154291
 Ion Ratio Lower Upper
 96 100
 61 129.3 0.0 275.8
 98 64.3 0.0 128.4

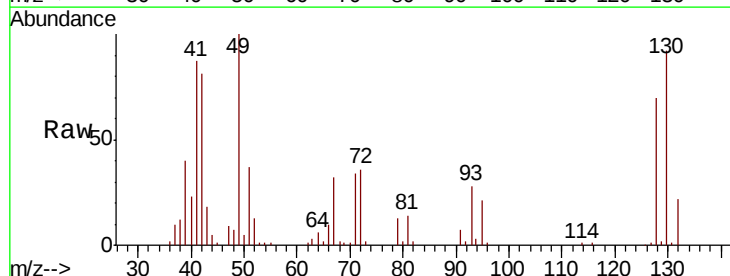


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

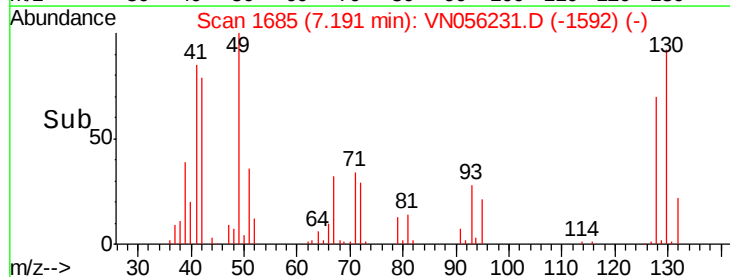
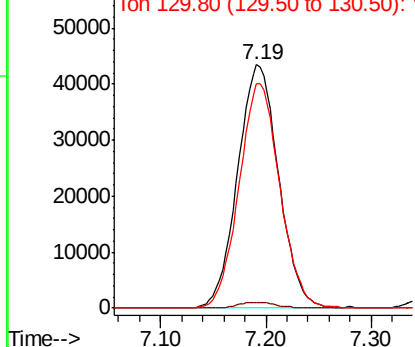


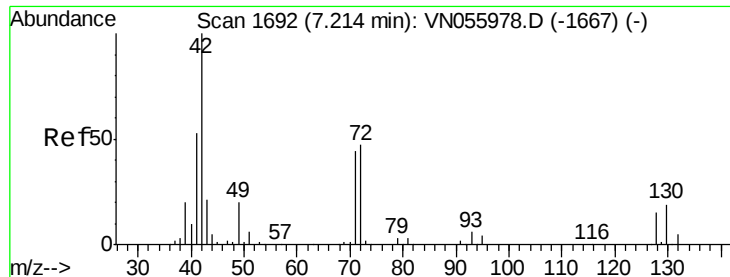
#28
 Bromochloromethane
 Concen: 52.697 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion: 49 Resp: 117437
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.4
 130 91.6 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

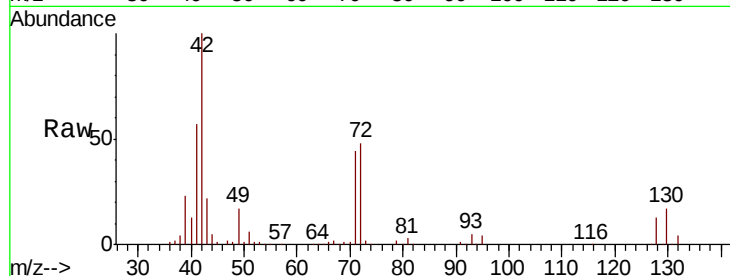




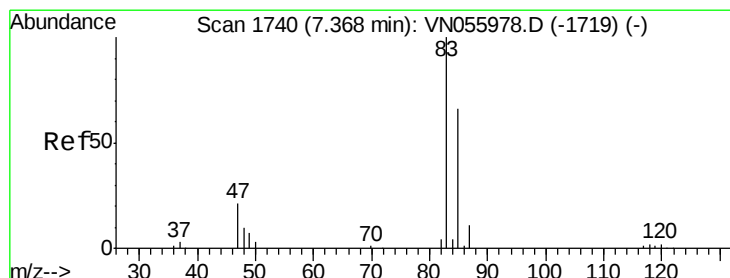
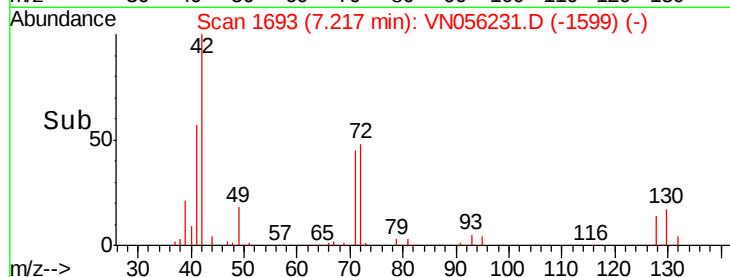
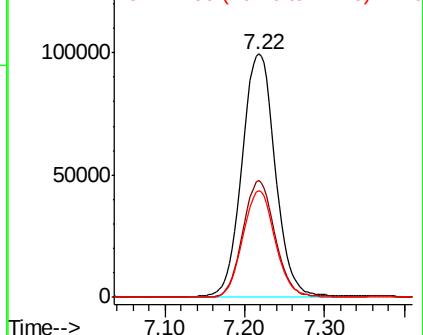
#29
Tetrahydrofuran
Concen: 255.057 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 42 Resp: 282026
Ion Ratio Lower Upper
42 100
72 46.2 35.9 53.9
71 42.5 34.0 51.0

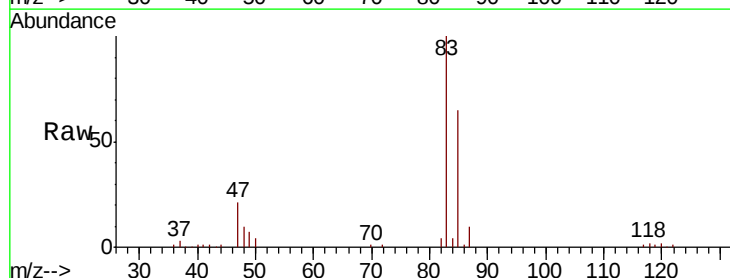


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

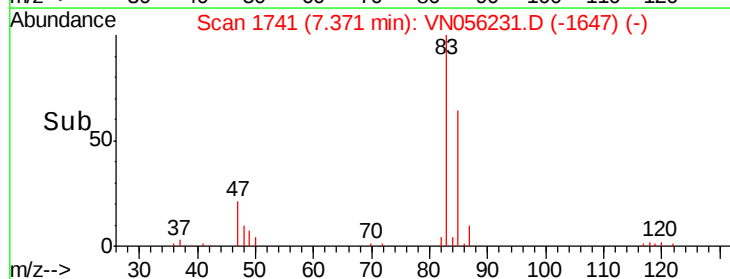
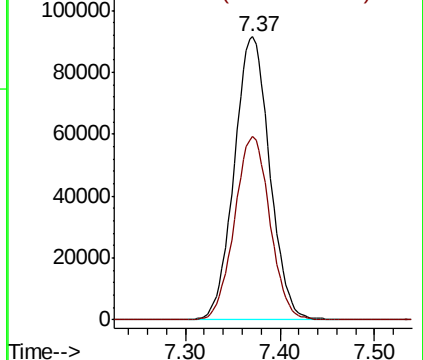


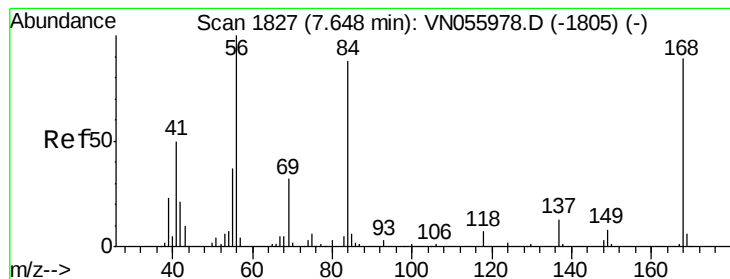
#30
Chloroform
Concen: 50.324 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 83 Resp: 238567
Ion Ratio Lower Upper
83 100
85 64.7 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: 45.074 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

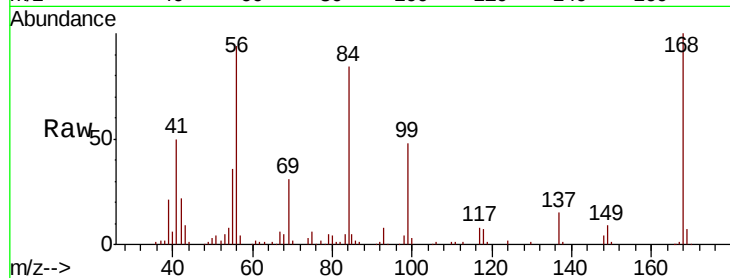
Tot Ion: 56 Resp: 211728

Ion Ratio Lower Upper

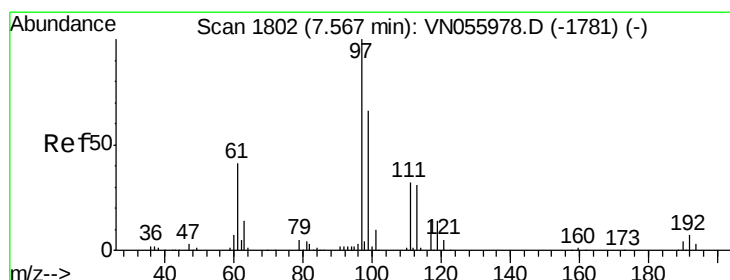
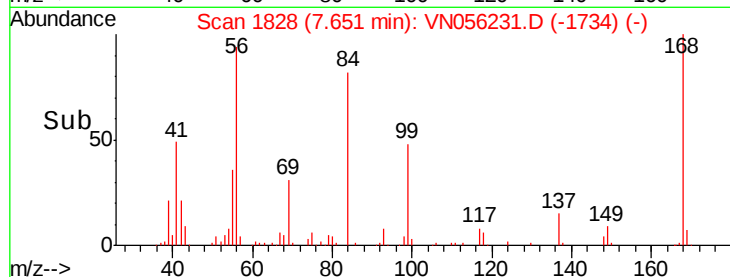
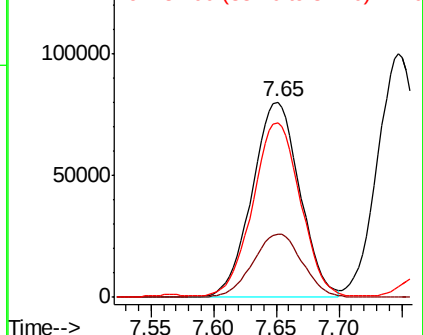
56 100

69 32.6 25.6 38.4

84 88.4 67.4 101.0



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



#32

1,1,1-Trichloroethane

Concen: 50.198 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

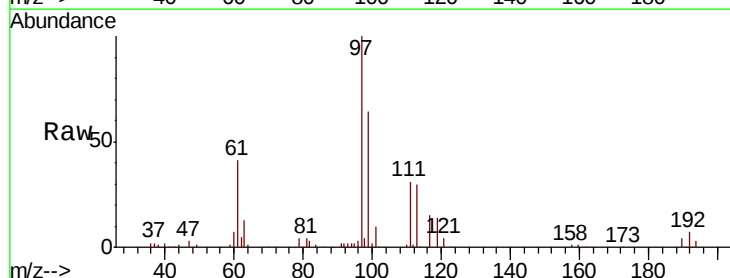
Tgt Ion: 97 Resp: 198721

Ion Ratio Lower Upper

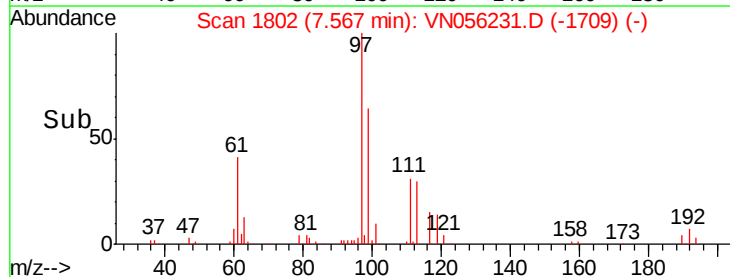
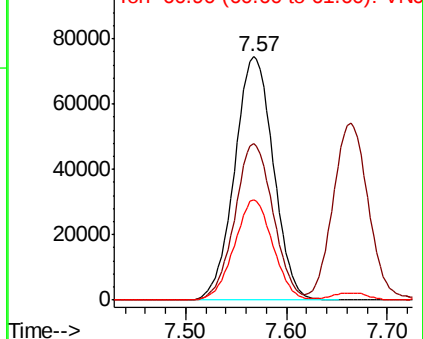
97 100

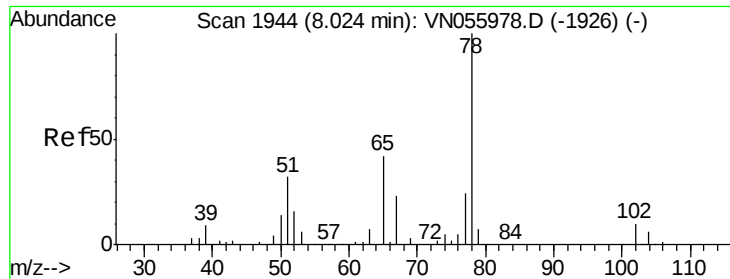
99 63.8 52.0 78.0

61 40.9 32.9 49.3



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





#33

1,2-Dichloroethane-d4

Concen: 51.148 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

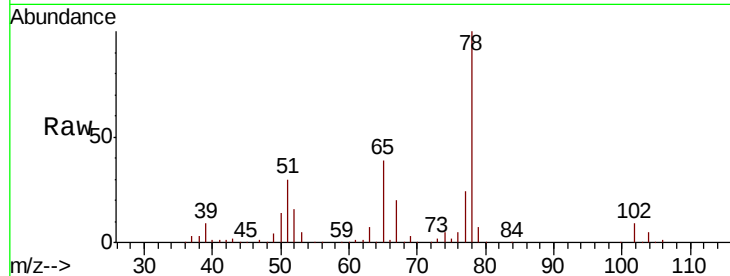
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 65 Resp: 151412

Ion Ratio Lower Upper

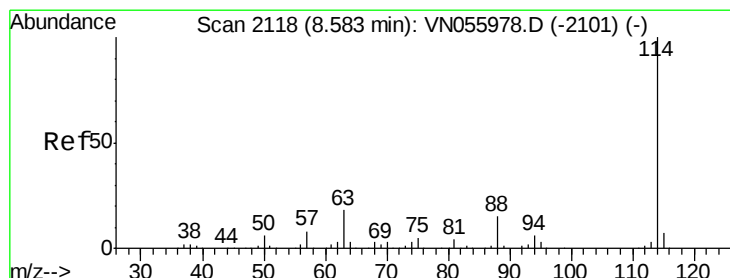
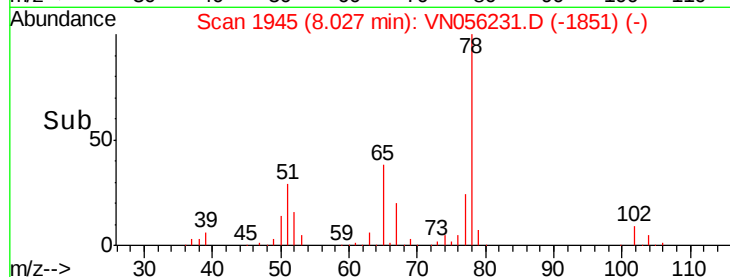
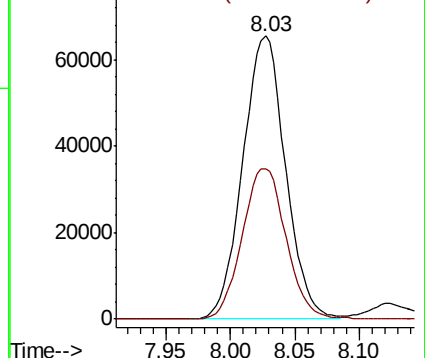
65 100

67 54.6 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

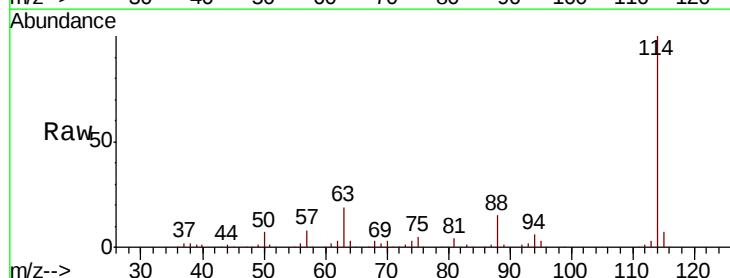
Tgt Ion: 114 Resp: 420836

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.2

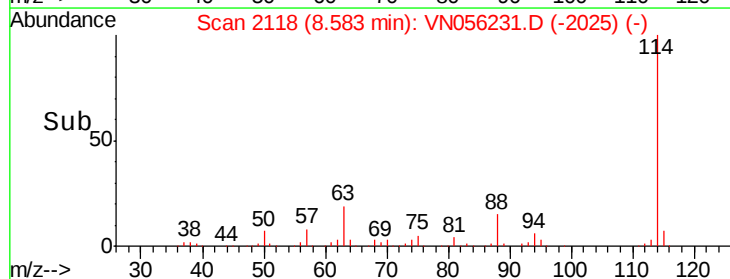
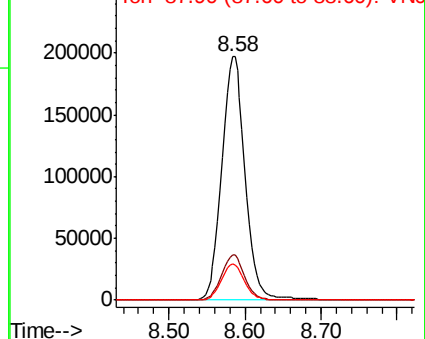
88 14.9 0.0 31.0

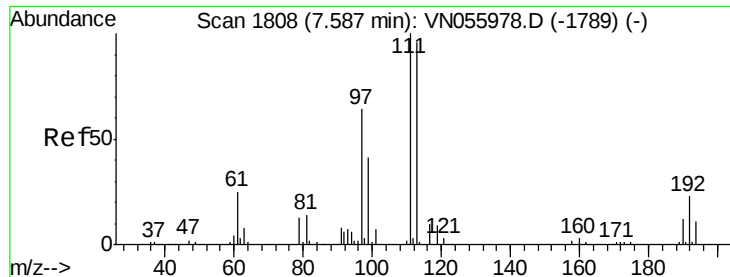


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

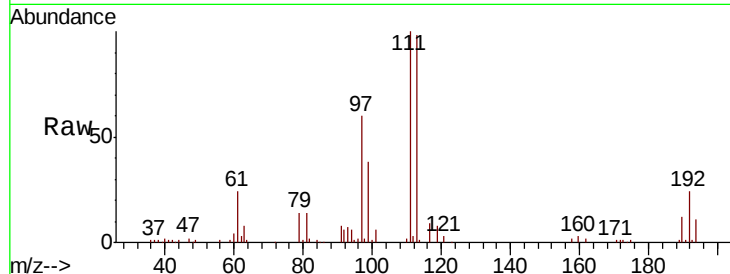




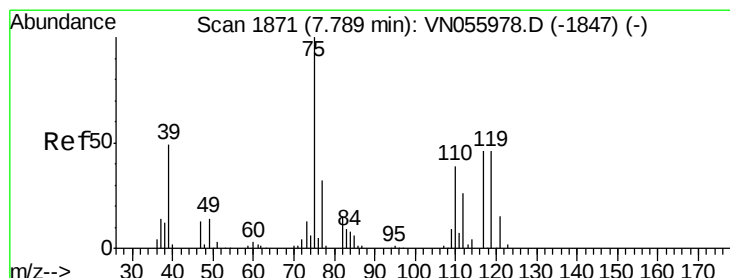
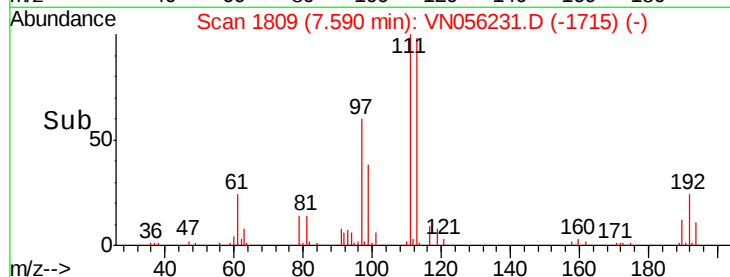
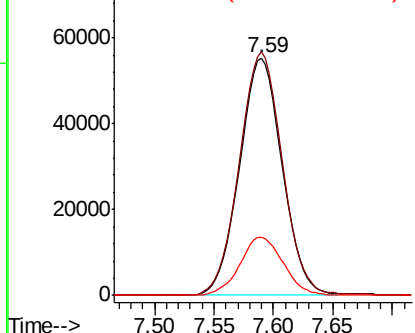
#35
 Dibromofluoromethane
 Concen: 53.092 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Tot Ion:113 Resp: 137081
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.9 122.9
 192 24.8 19.5 29.3

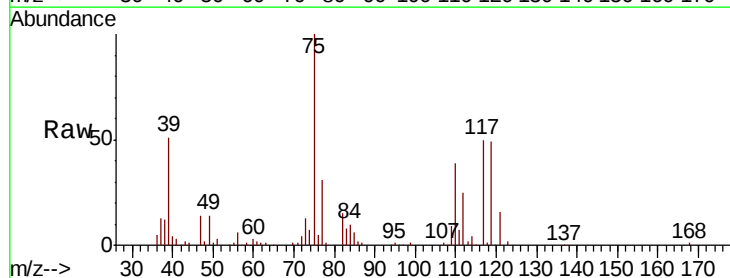


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

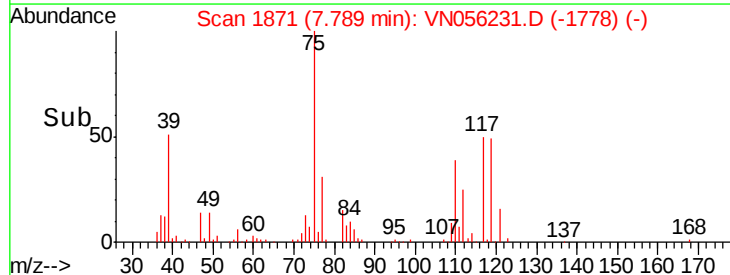
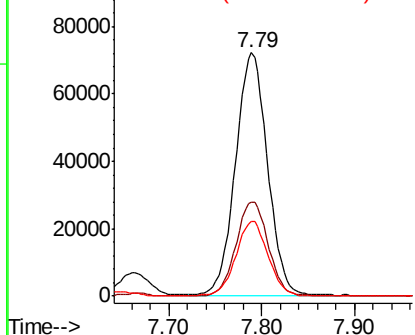


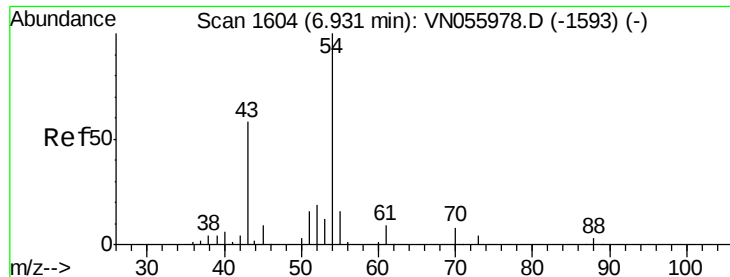
#36
 1,1-Dichloropropene
 Concen: 47.843 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion: 75 Resp: 173123
 Ion Ratio Lower Upper
 75 100
 110 39.1 19.0 57.0
 77 30.9 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

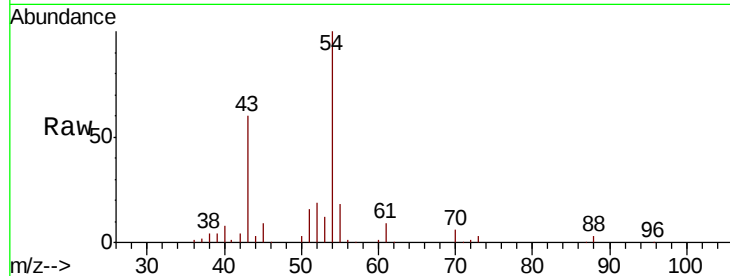




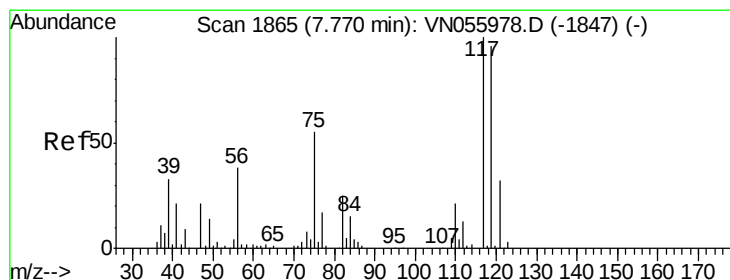
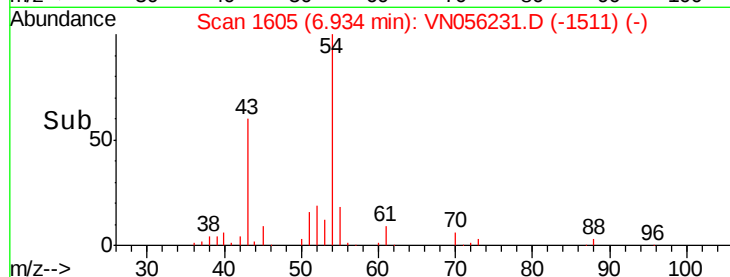
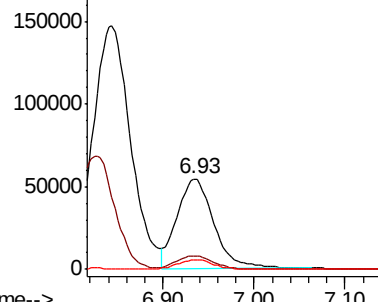
#37
Ethyl Acetate
Concen: 47.574 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 43 Resp: 153172
Ion Ratio Lower Upper
43 100
61 15.6 12.2 18.2
70 10.4 8.9 13.3

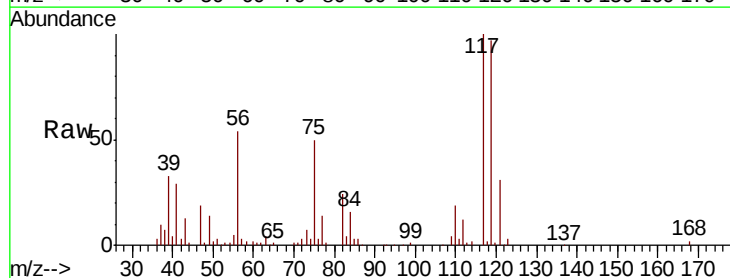


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

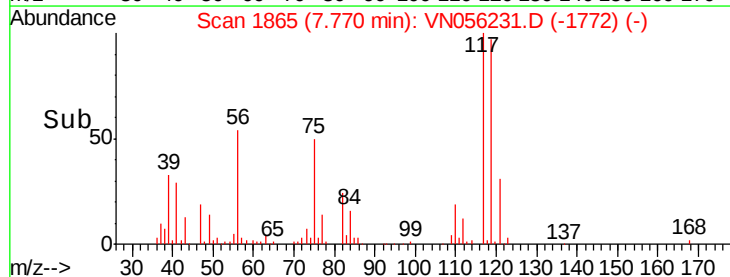
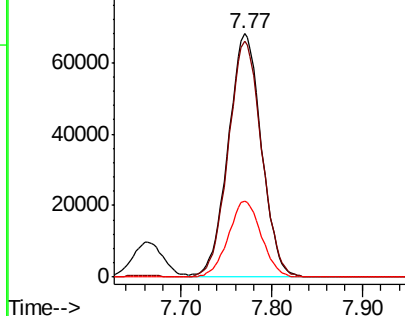


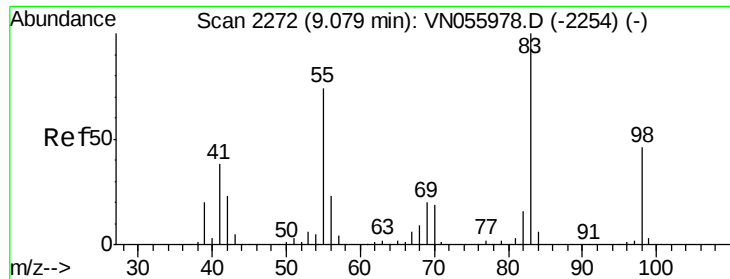
#38
Carbon Tetrachloride
Concen: 51.763 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 117 Resp: 172690
Ion Ratio Lower Upper
117 100
119 96.9 79.0 118.6
121 31.1 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

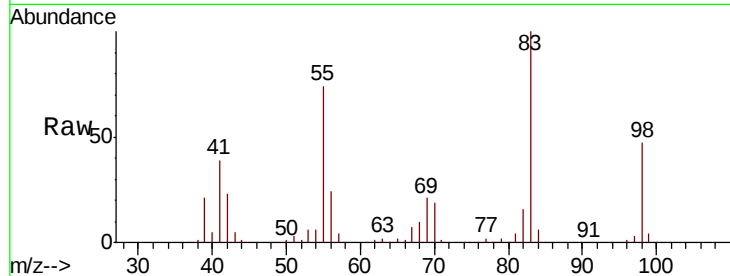




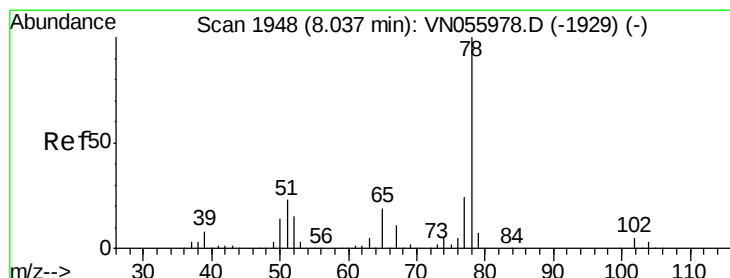
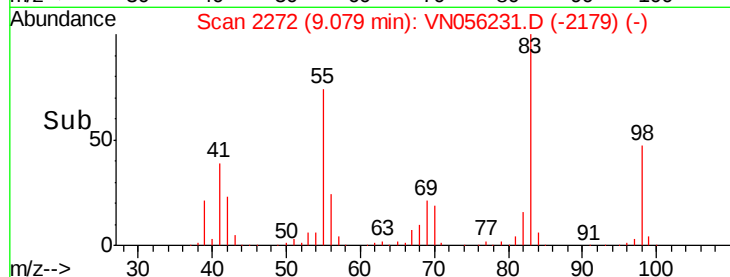
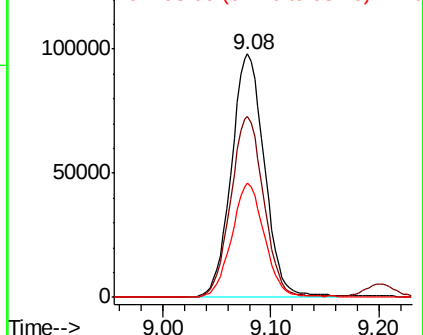
#39
Methvlcvclohexane
Concen: 46.499 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 83 Resp: 209605
Ion Ratio Lower Upper
83 100
55 74.5 59.3 88.9
98 46.8 36.6 54.8

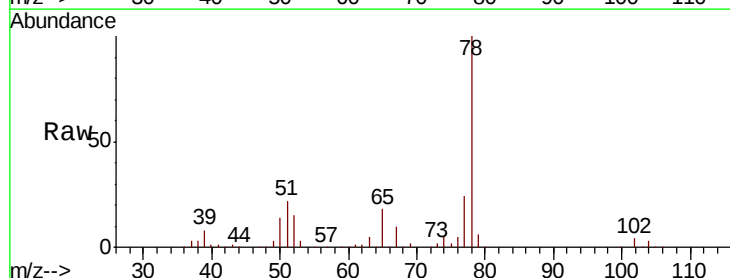


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

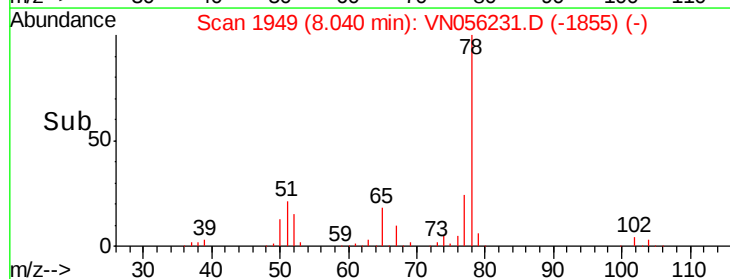
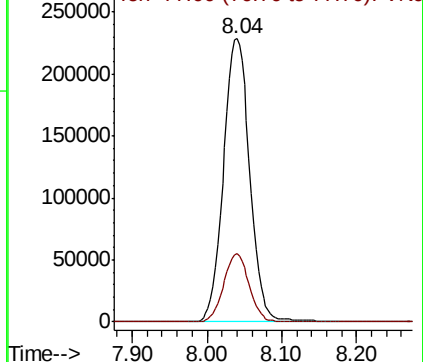


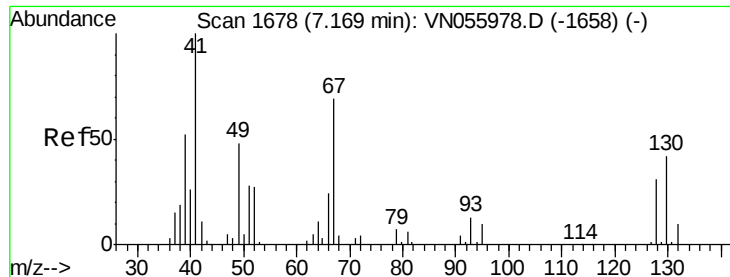
#40
Benzene
Concen: 50.387 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 78 Resp: 553778
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2



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

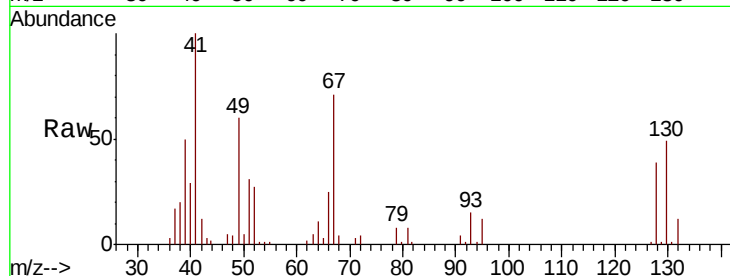




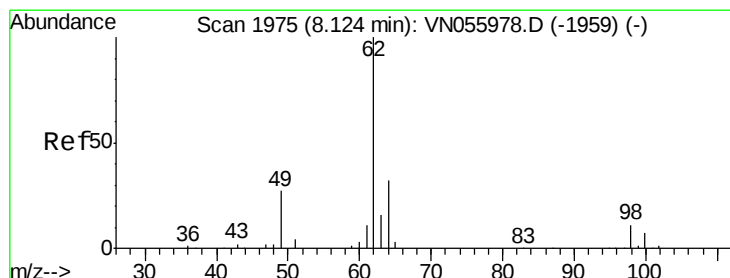
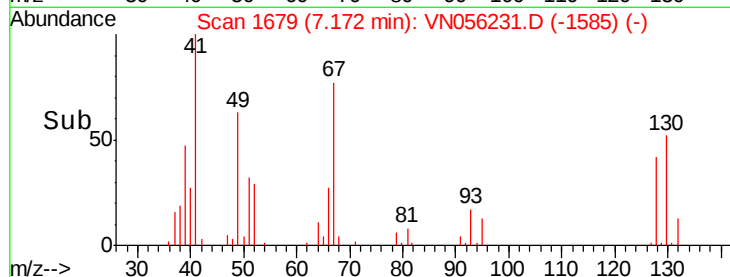
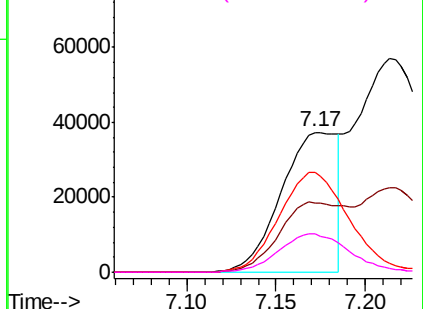
#41
Methacrylonitrile
Concen: 55.009 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 41 Resp: 81488
Ion Ratio Lower Upper
41 100
39 63.3 45.6 68.4
67 90.0 67.7 101.5
52 34.9 26.6 40.0

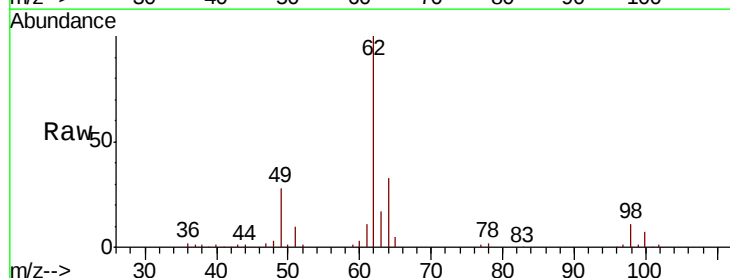


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

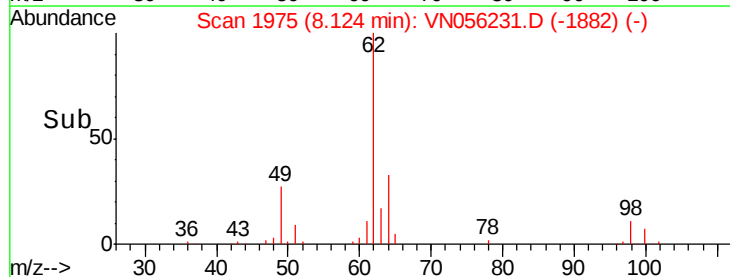
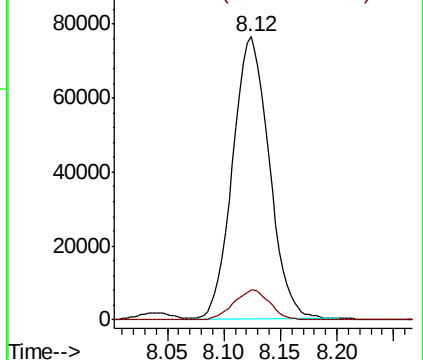


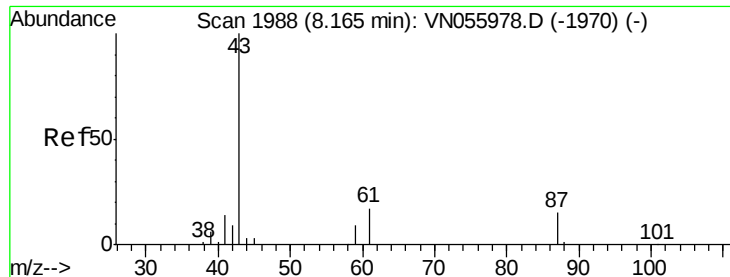
#42
1,2-Dichloroethane
Concen: 48.767 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 62 Resp: 172404
Ion Ratio Lower Upper
62 100
98 10.5 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: 47.089 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

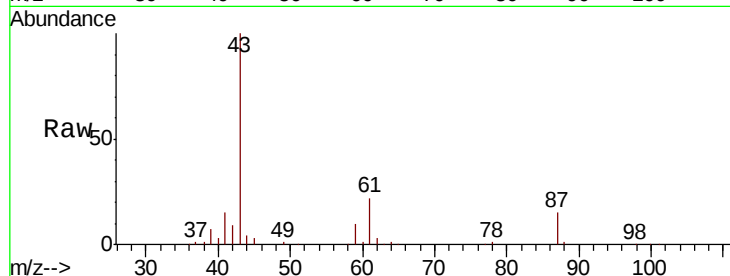
Tot Ion: 43 Resp: 245680

Ion Ratio Lower Upper

43 100

61 28.3 22.2 33.4

87 14.4 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

150000

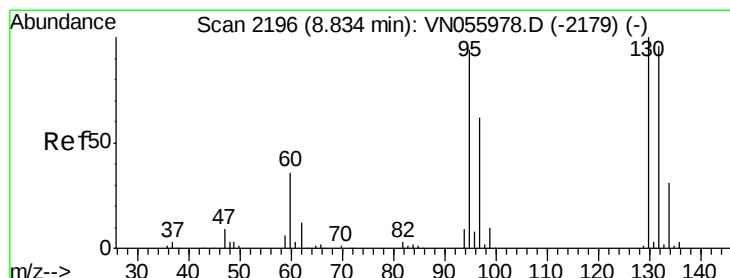
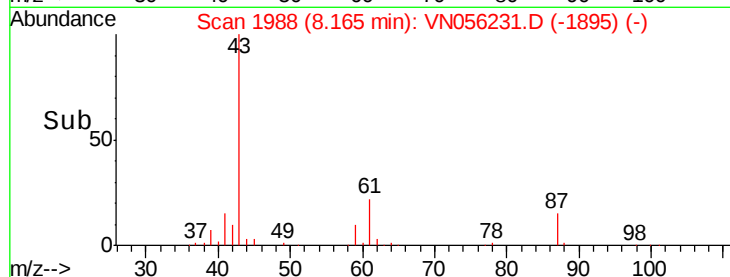
100000

50000

0

8.10 8.20 8.30

Time-->



#44

Trichloroethene

Concen: 49.660 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056231.D

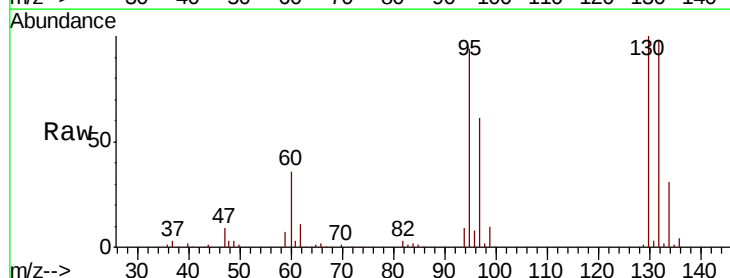
Acq: 11 Jun 2019 18:33

Tgt Ion:130 Resp: 156831

Ion Ratio Lower Upper

130 100

95 94.4 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

80000

60000

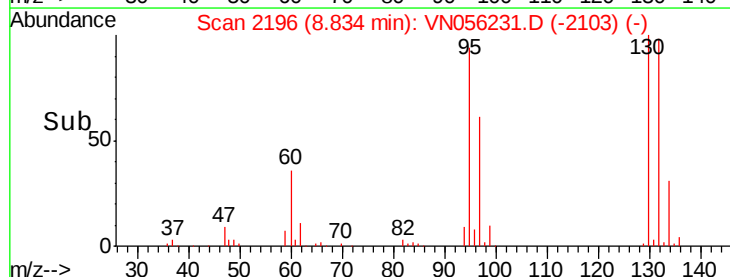
40000

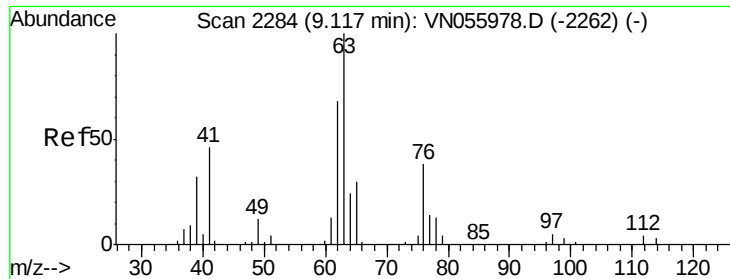
20000

0

8.70 8.80 8.90 9.00

Time-->

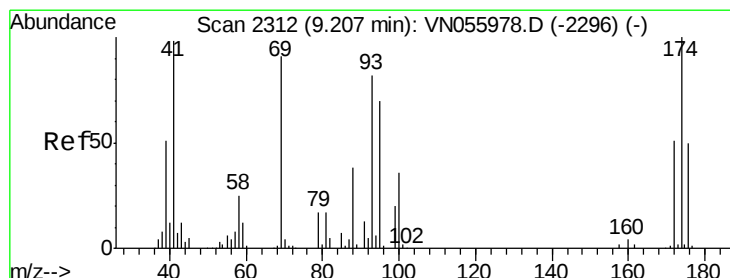
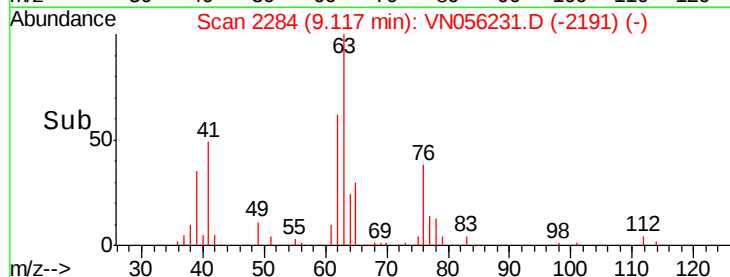
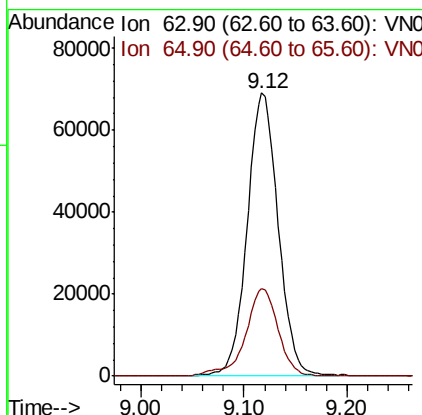
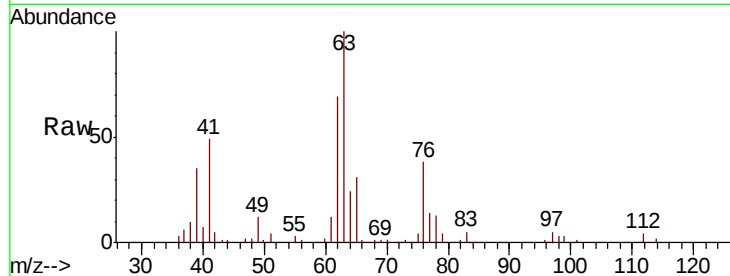




#45
 1,2-Dichloropropane
 Concen: 51.118 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

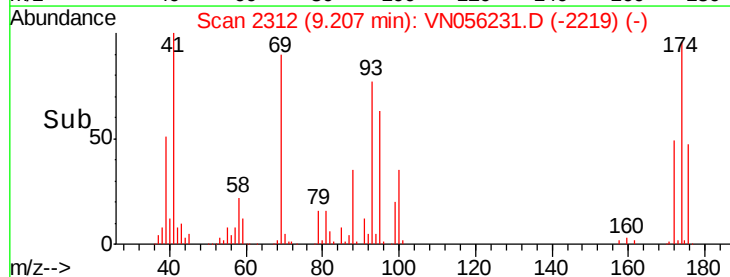
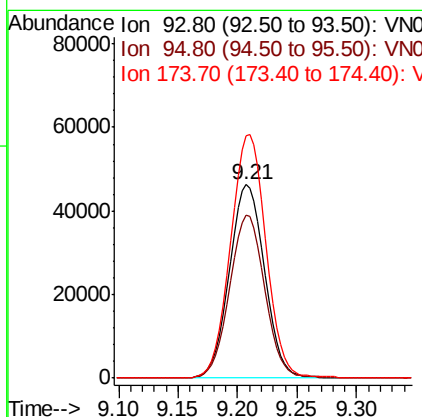
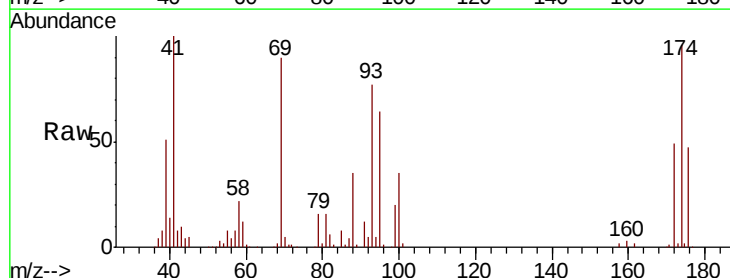
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Tot Ion: 63 Resp: 143905
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 36.8



#46
 Dibromomethane
 Concen: 51.683 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion: 93 Resp: 95142
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.7 100.1
 174 126.0 96.4 144.6





#47

Bromodichloromethane

Concen: 53.680 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

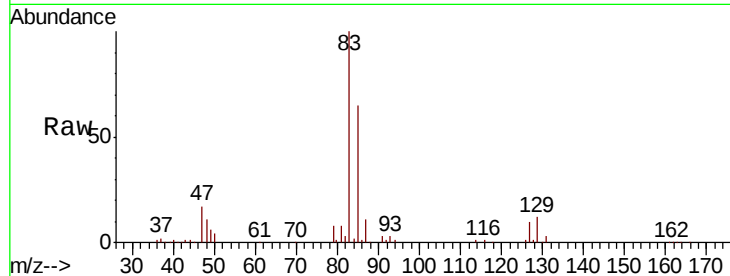
Tot Ion: 83 Resp: 179100

Ion Ratio Lower Upper

83 100

85 64.7 52.2 78.2

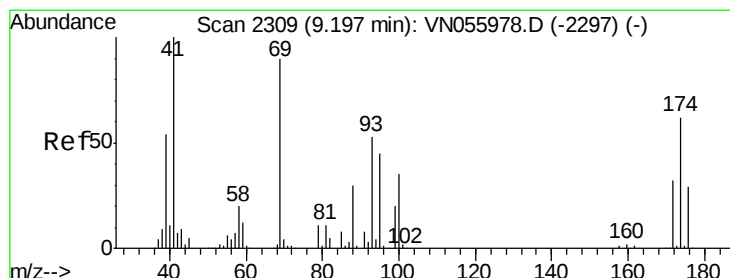
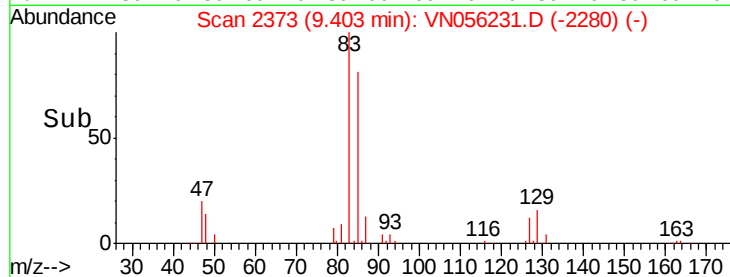
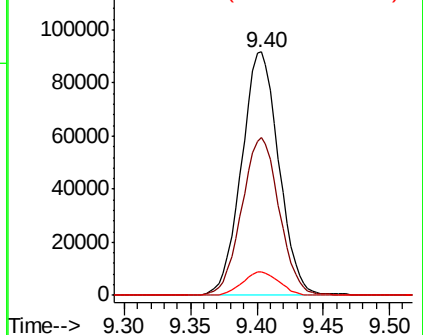
127 9.7 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN056231.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056231.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056231.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.801 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

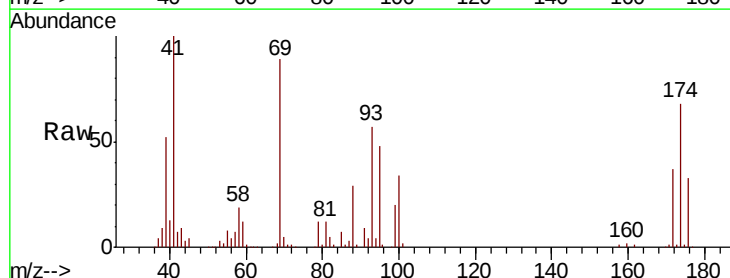
Tgt Ion: 41 Resp: 134773

Ion Ratio Lower Upper

41 100

69 90.9 71.0 106.6

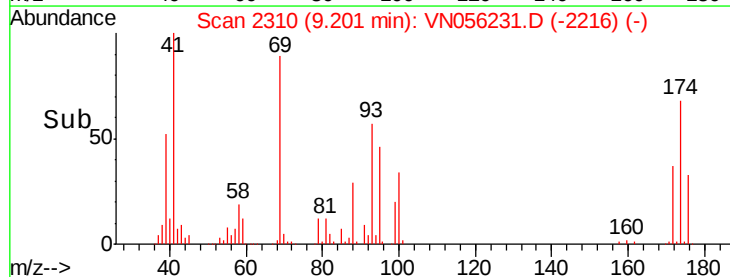
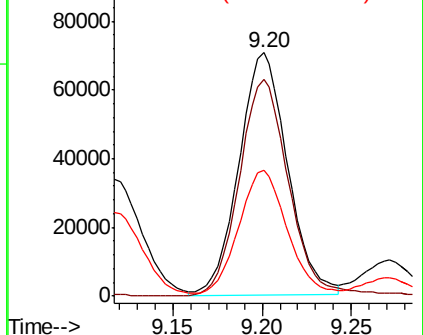
39 51.8 44.2 66.2

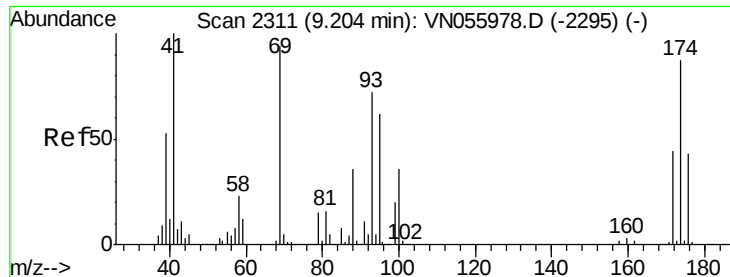


Abundance Ion 41.00 (40.70 to 41.70): VN056231.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056231.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056231.D (-2216) (-)

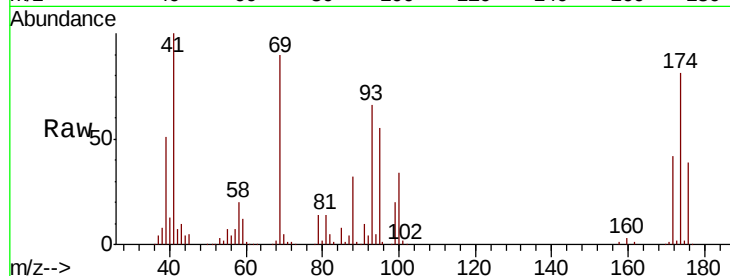




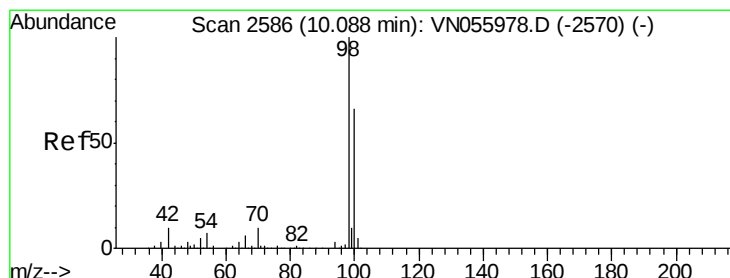
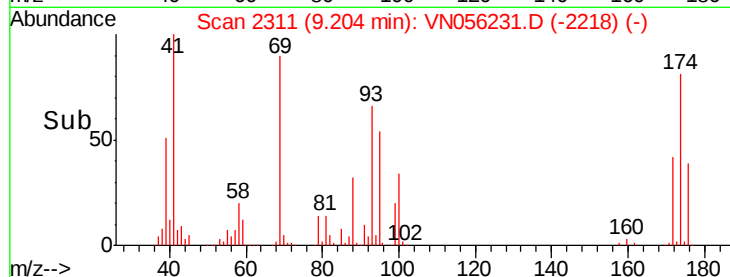
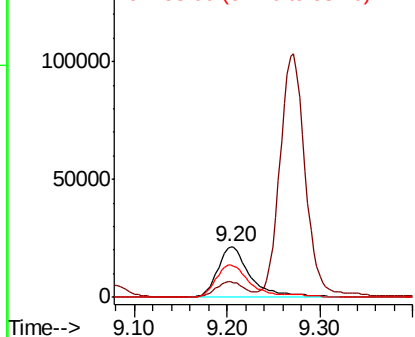
#49
1,4-Dioxane
Concen: 962.139 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion	88	Resp	53019
Ion	Ratio	Lower	Upper
88	100		
43	25.9	20.5	30.7
58	69.6	55.8	83.6

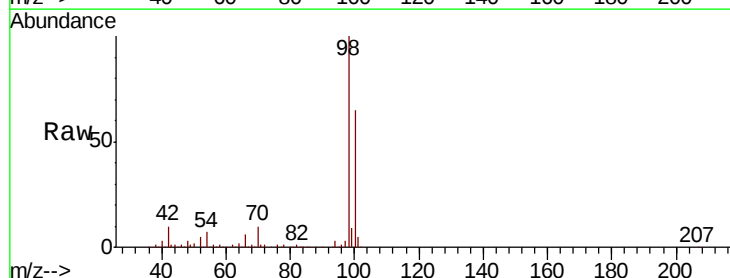


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

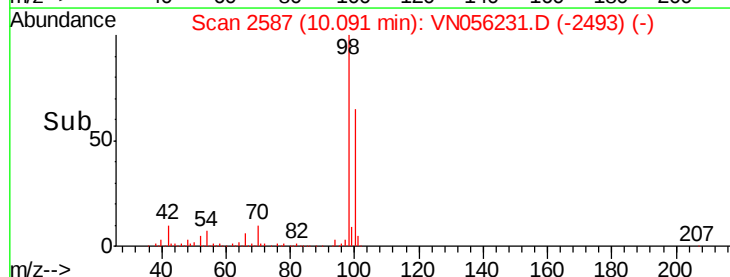
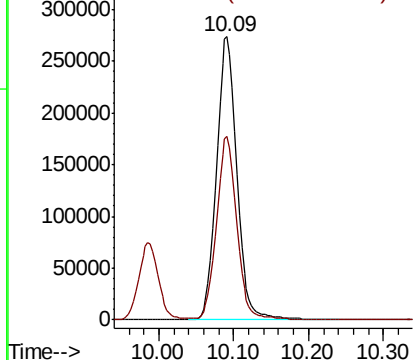


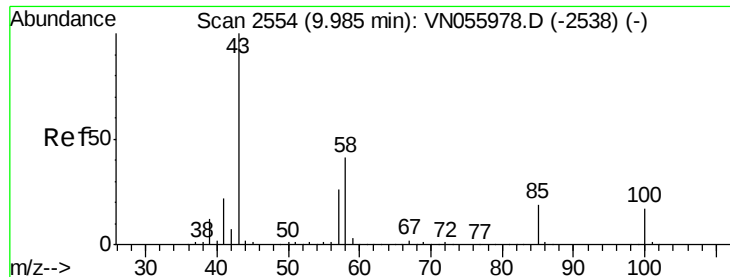
#50
Toluene-d8
Concen: 52.105 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion	98	Resp	517684
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: 264.327 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

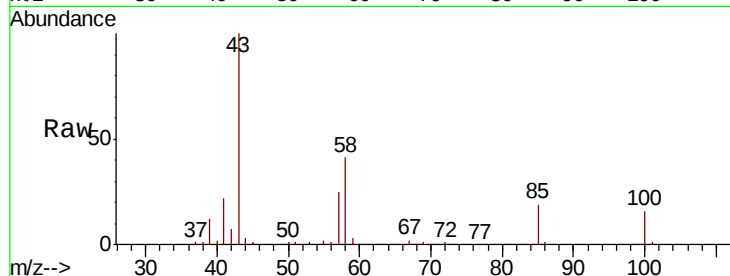
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 43 Resp: 862420

Ion Ratio Lower Upper

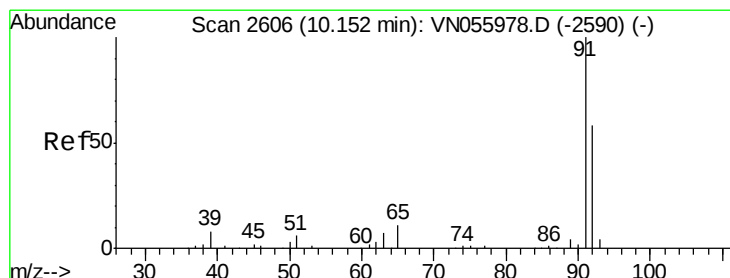
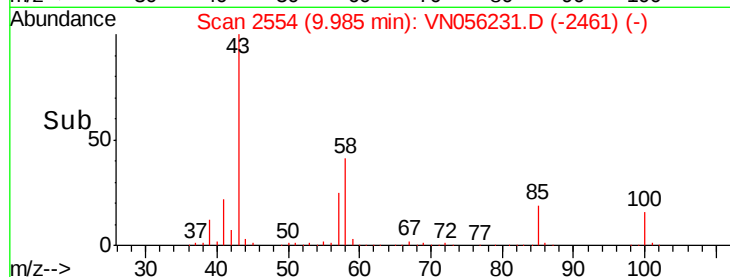
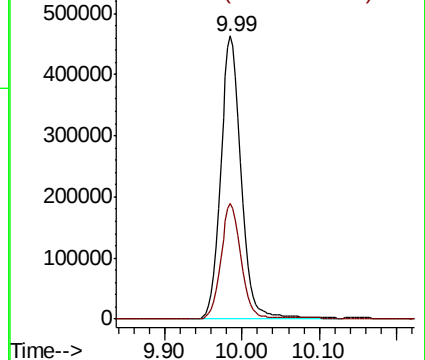
43 100

58 40.2 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.886 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056231.D

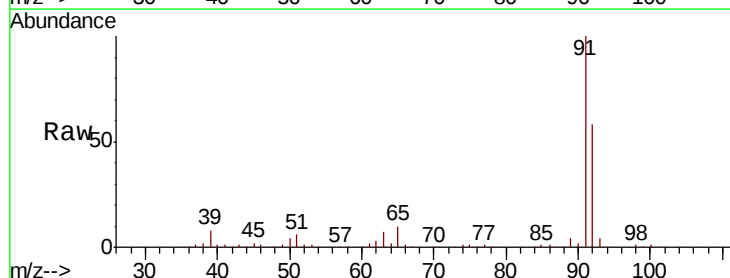
Acq: 11 Jun 2019 18:33

Tgt Ion: 92 Resp: 348005

Ion Ratio Lower Upper

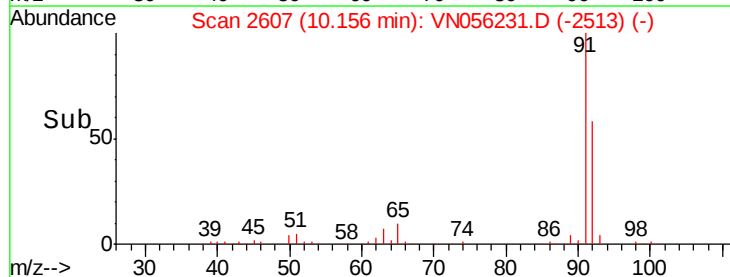
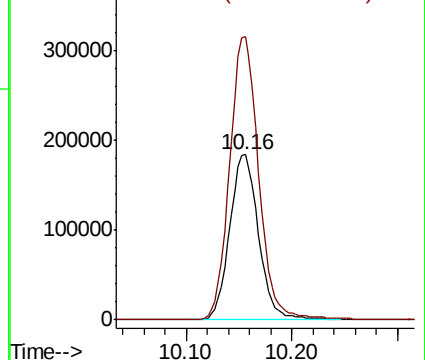
92 100

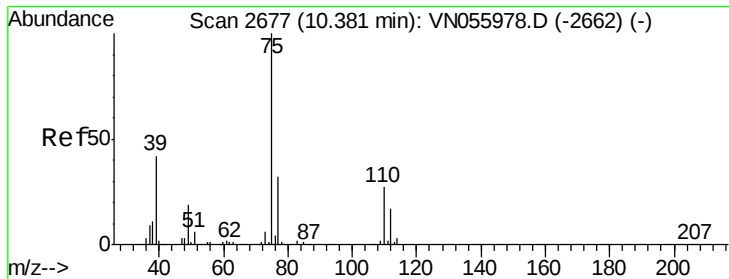
91 173.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 44.457 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

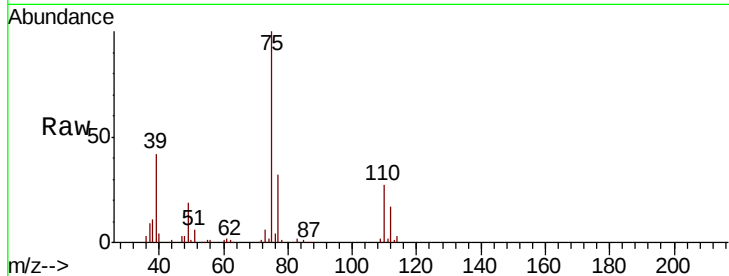
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 75 Resp: 172810

Ion Ratio Lower Upper

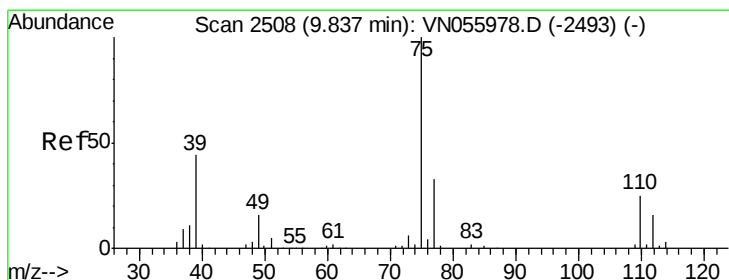
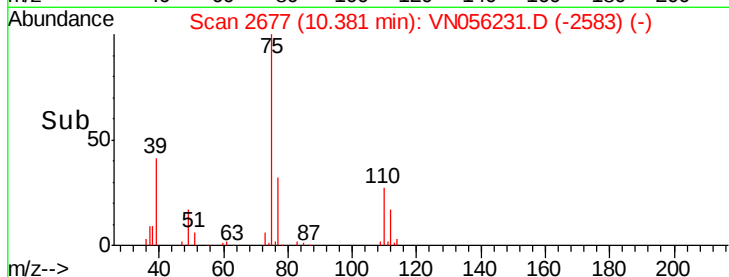
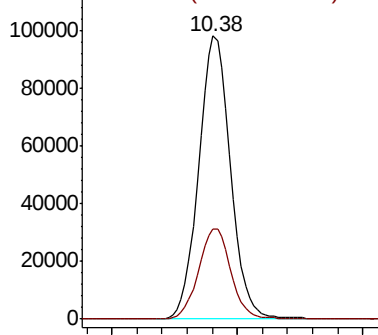
75 100

77 31.6 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.903 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

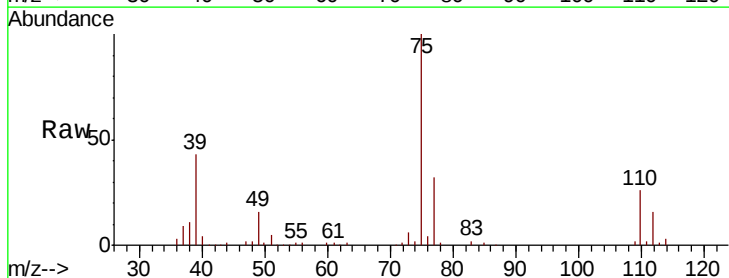
Tgt Ion: 75 Resp: 200135

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0

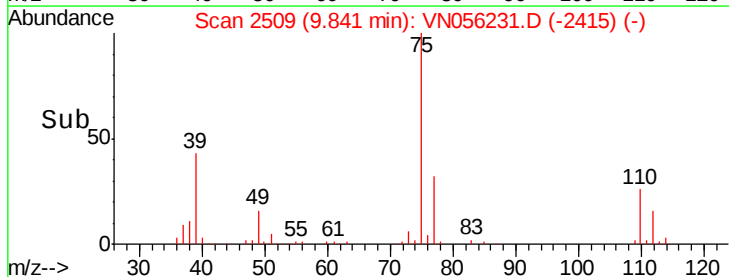
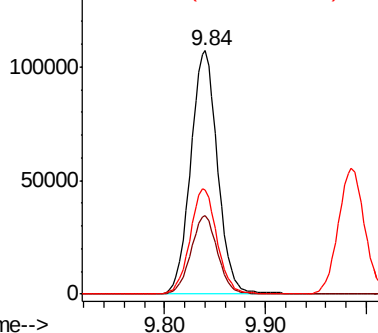
39 42.9 36.3 54.5

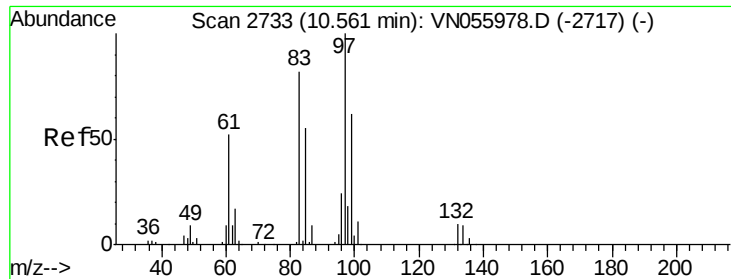


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

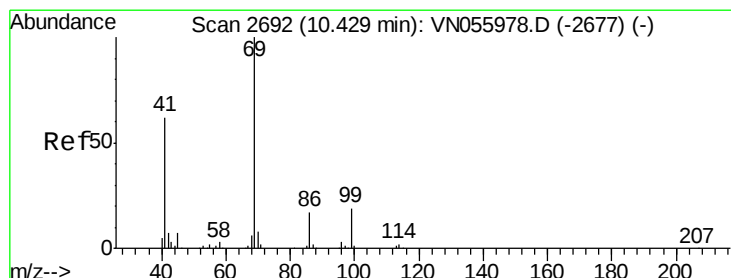
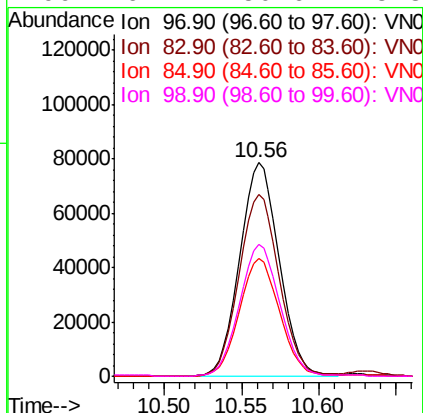
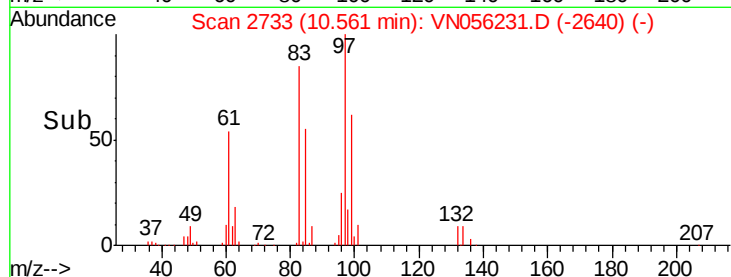
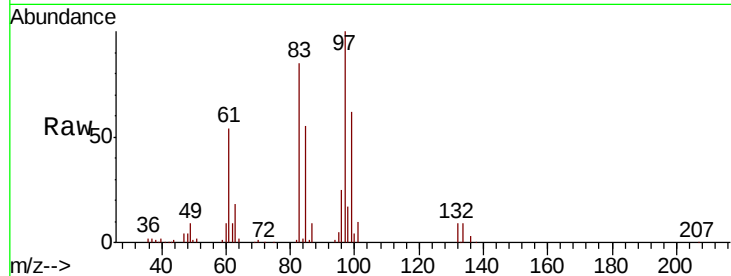




#55
 1,1,2-Trichloroethane
 Concen: 51.676 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

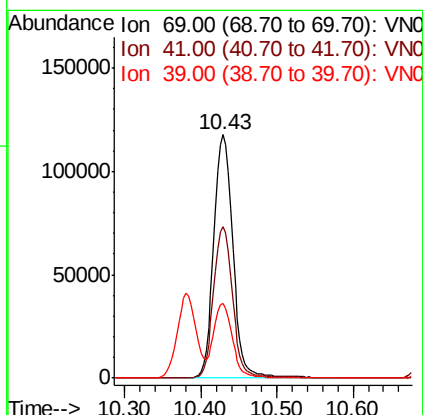
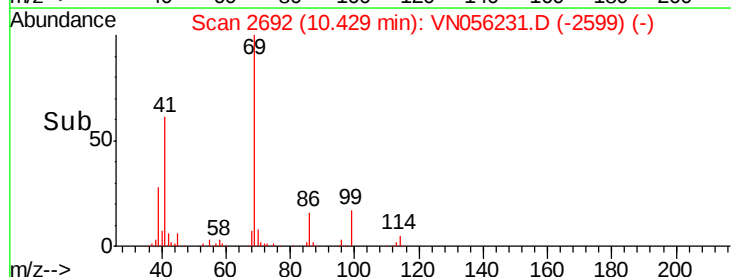
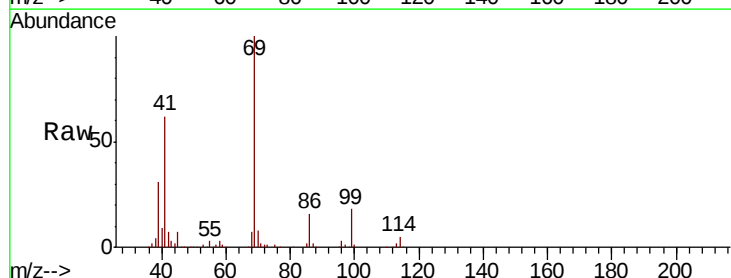
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

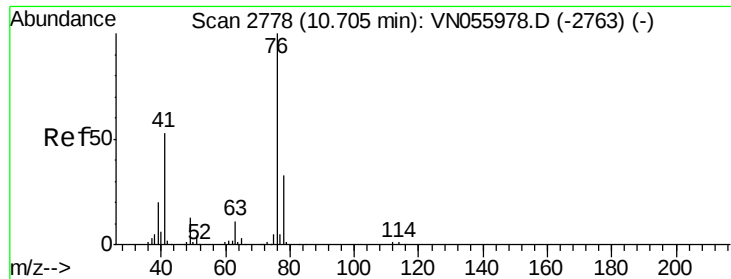
Tot Ion:	97	Resp:	139992
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.0	100.6
85	55.1	44.0	66.0
99	61.4	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 52.154 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion:	69	Resp:	206120
Ion	Ratio	Lower	Upper
69	100		
41	60.8	49.7	74.5
39	29.7	24.7	37.1





#57

1,3-Dichloropropane

Concen: 52.019 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

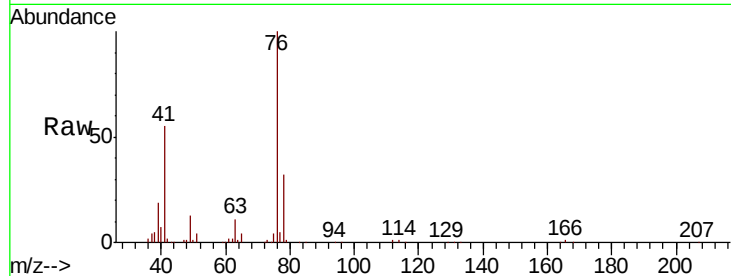
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 76 Resp: 229084

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

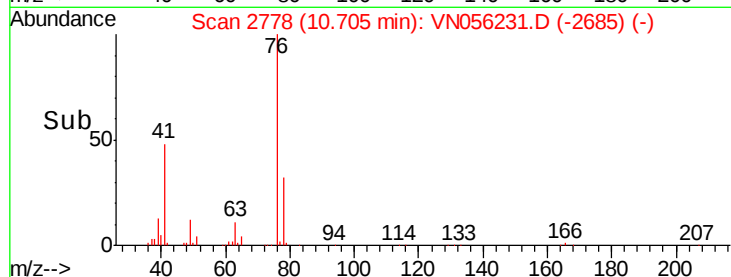
150000

100000

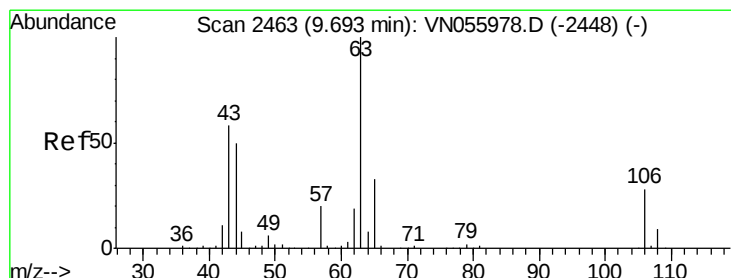
50000

0

Time-->



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 15.582 ug/l

RT: 9.75 min Scan# 2482

Delta R.T. 0.06 min

Lab File: VN056231.D

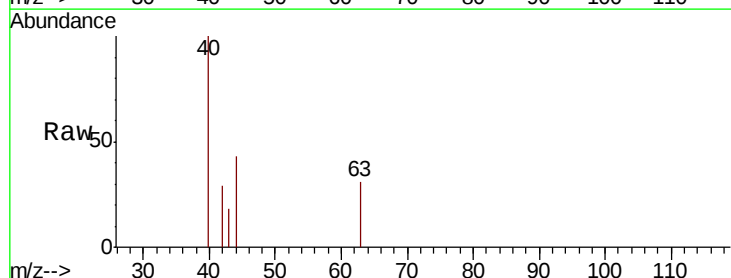
Acq: 11 Jun 2019 18:33

Tgt Ion: 63 Resp: 1178

Ion Ratio Lower Upper

63 100

106 0.0 22.7 34.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

400

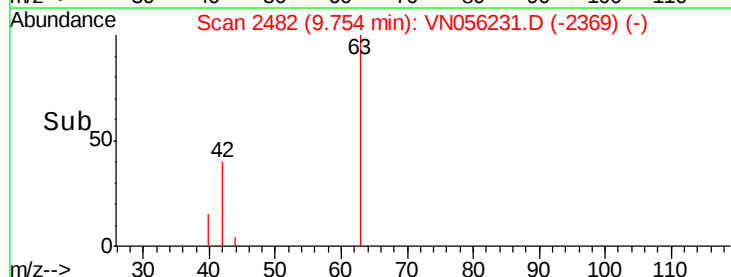
300

200

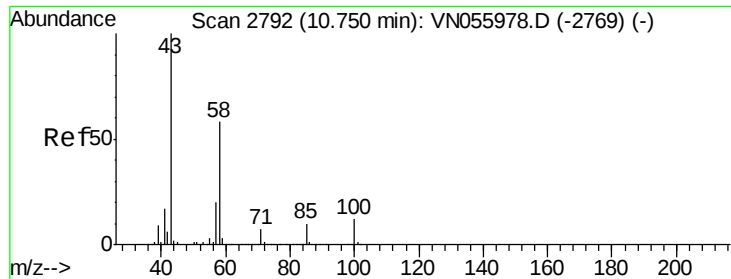
100

0

Time-->



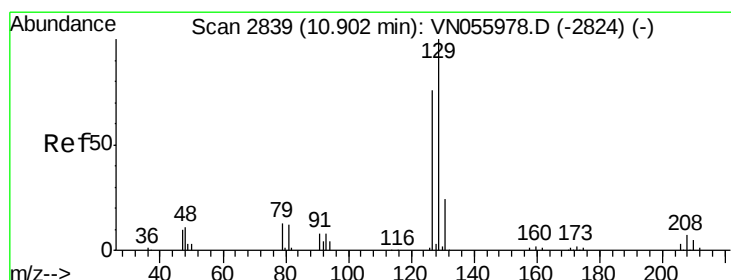
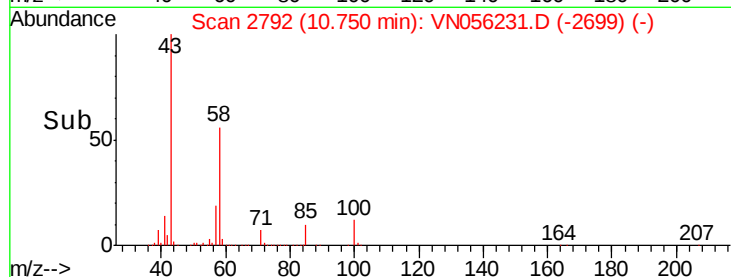
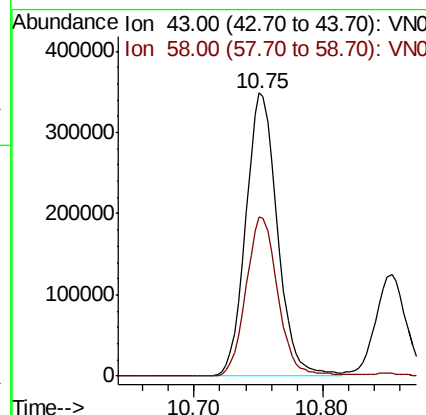
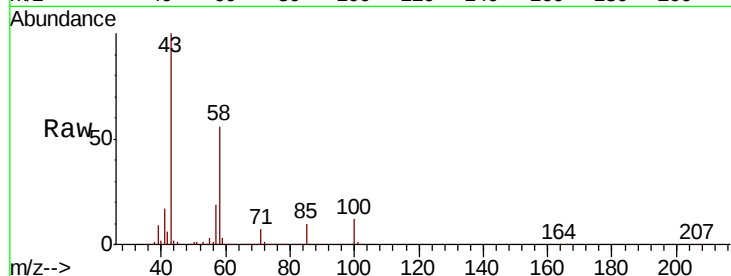
Time-->



#59
2-Hexanone
Concen: 251.569 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

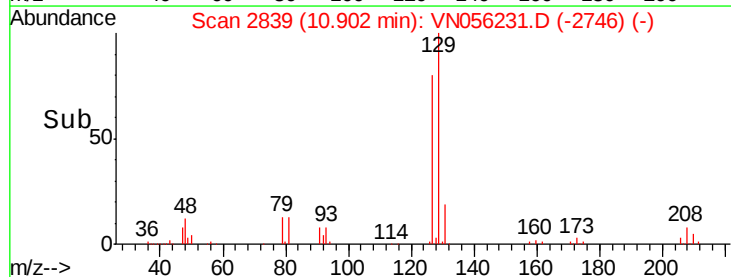
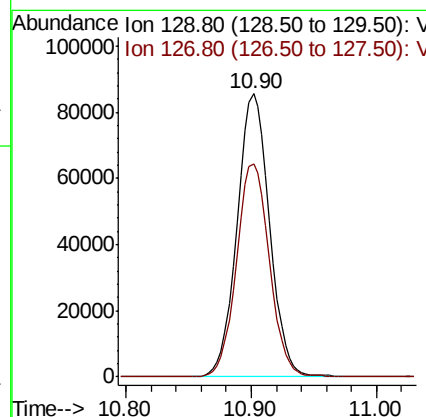
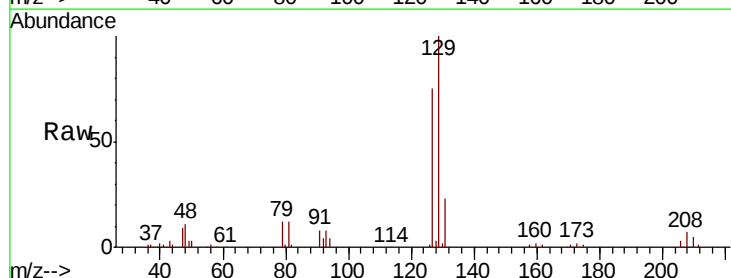
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 43 Resp: 594893
Ion Ratio Lower Upper
43 100
58 56.8 28.2 84.7



#60
Dibromochloromethane
Concen: 51.435 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 129 Resp: 153900
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 52.808 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

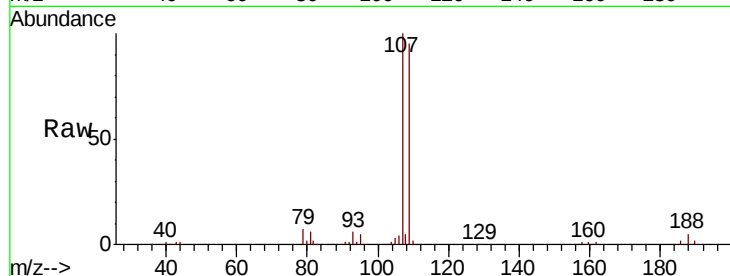
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 107 Resp: 146250

Ion Ratio Lower Upper

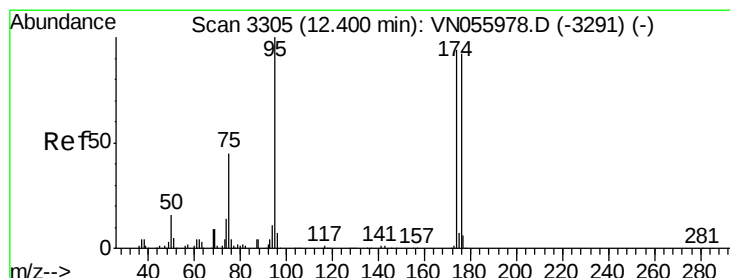
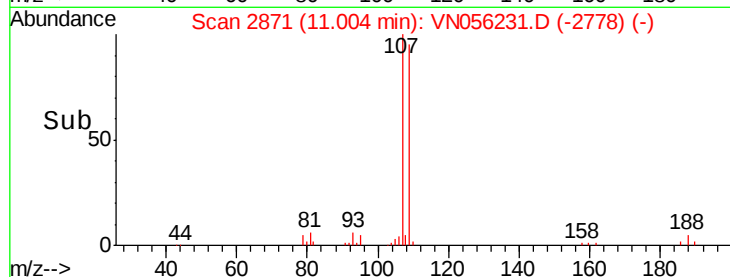
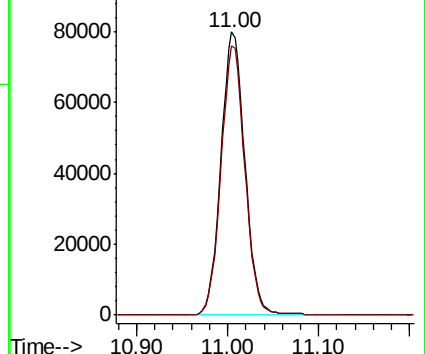
107 100

109 94.2 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: 51.954 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

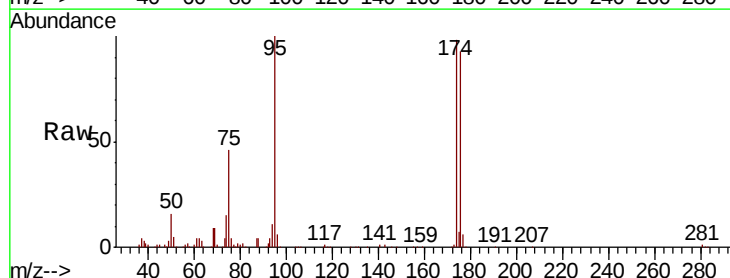
Tgt Ion: 95 Resp: 175541

Ion Ratio Lower Upper

95 100

174 97.4 0.0 191.0

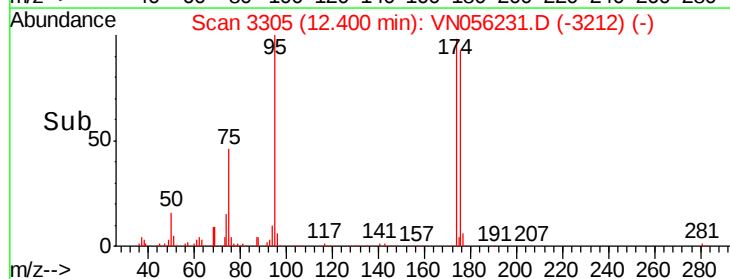
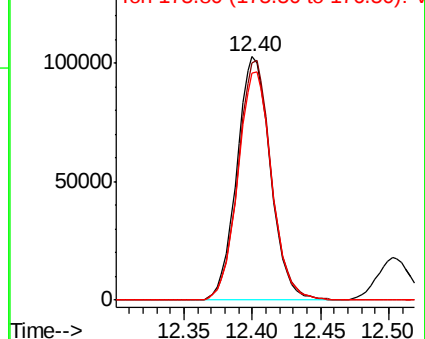
176 94.4 0.0 185.2

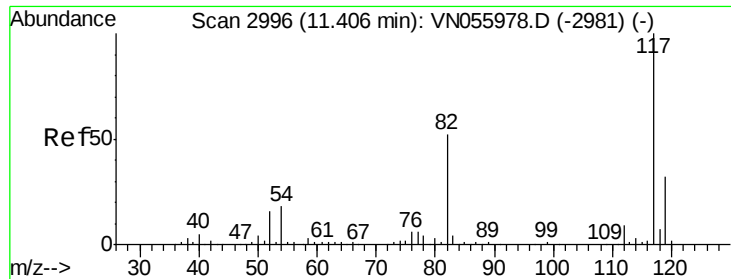


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

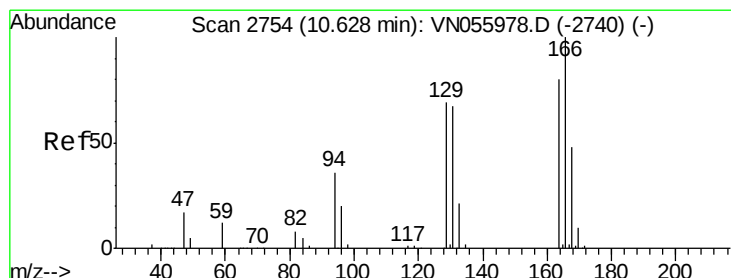
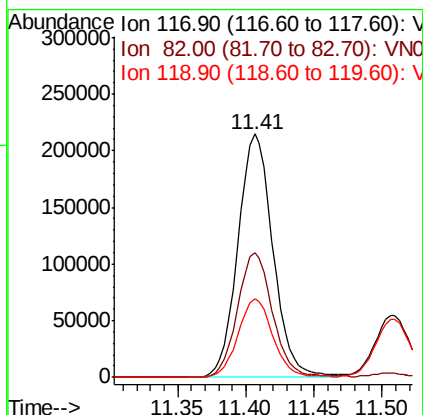
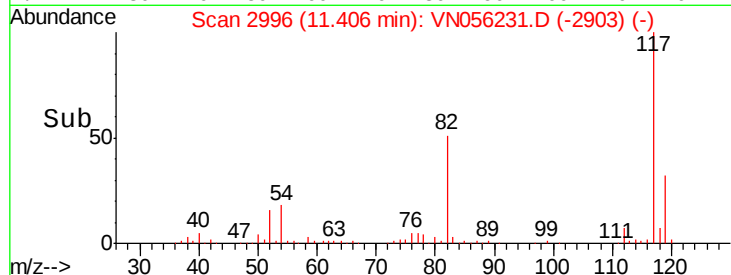
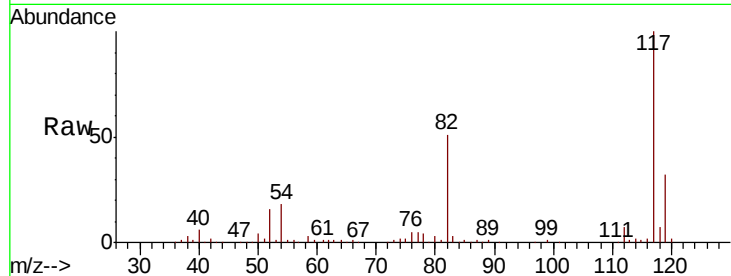




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

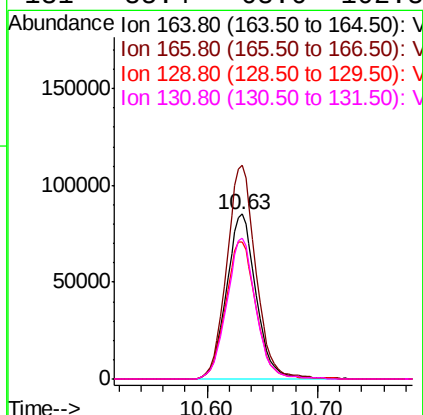
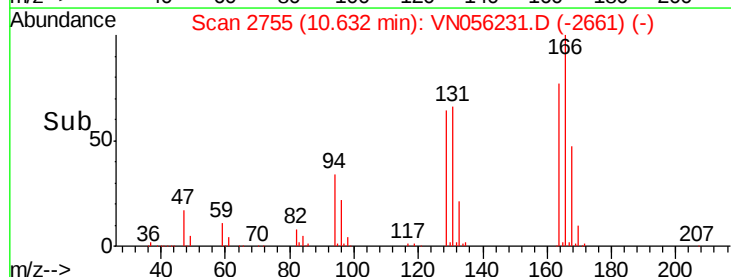
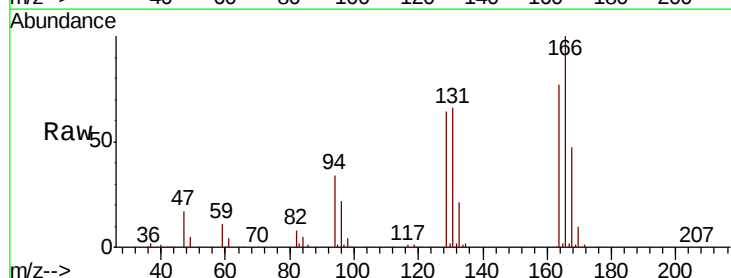
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion:117 Resp: 383234
Ion Ratio Lower Upper
117 100
82 51.2 41.8 62.8
119 32.4 25.4 38.0



#64
Tetrachloroethene
Concen: 47.718 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion:164 Resp: 158296
Ion Ratio Lower Upper
164 100
166 129.6 103.0 154.6
129 83.3 70.6 105.8
131 85.4 68.6 102.8





#65

Chlorobenzene

Concen: 49.428 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

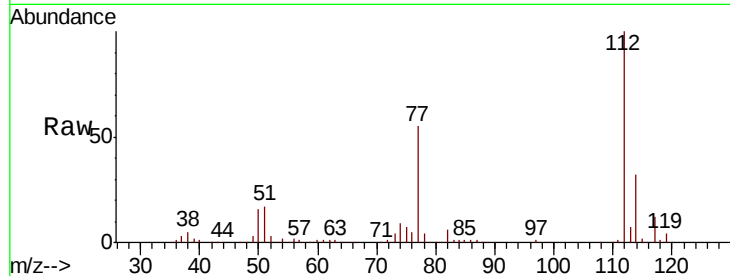
BP-TT-AOC22-MW10-20190609MS

Tot Ion:112 Resp: 376994

Ion Ratio Lower Upper

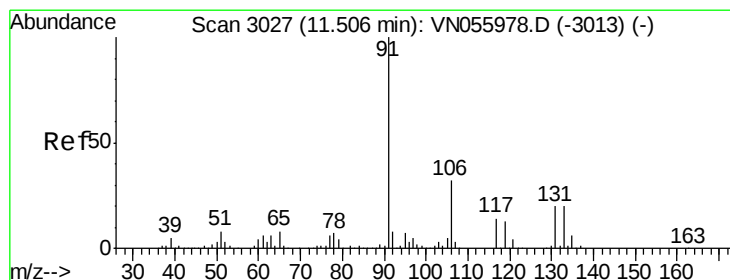
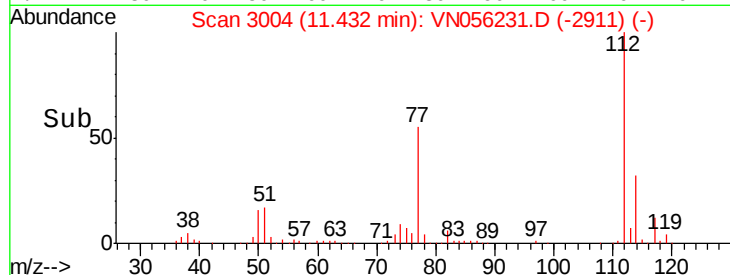
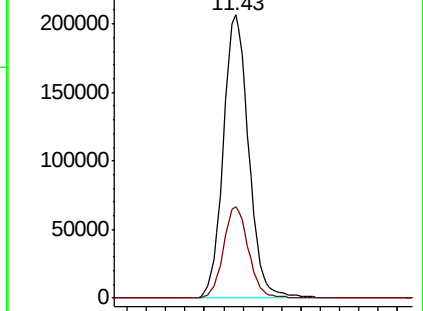
112 100

114 32.4 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.328 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

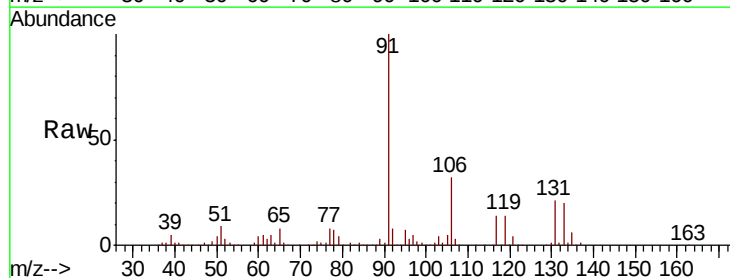
Tgt Ion:131 Resp: 140442

Ion Ratio Lower Upper

131 100

133 96.3 48.0 144.0

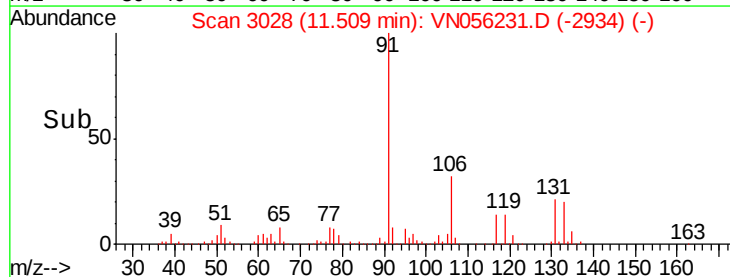
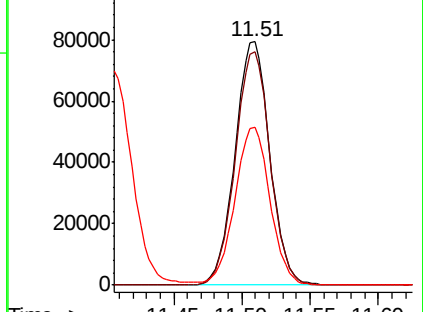
119 65.6 33.1 99.5

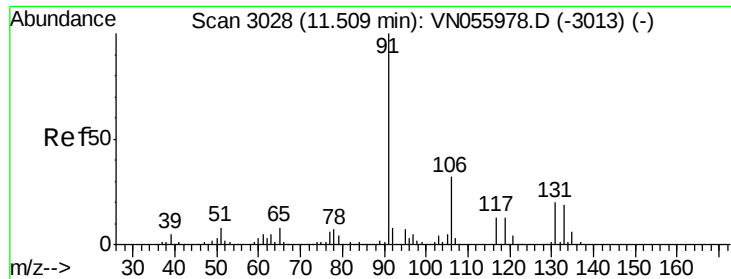


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

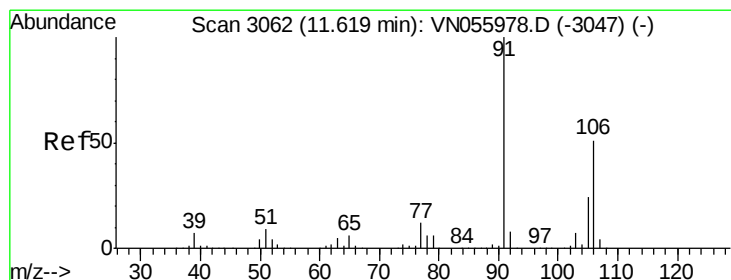
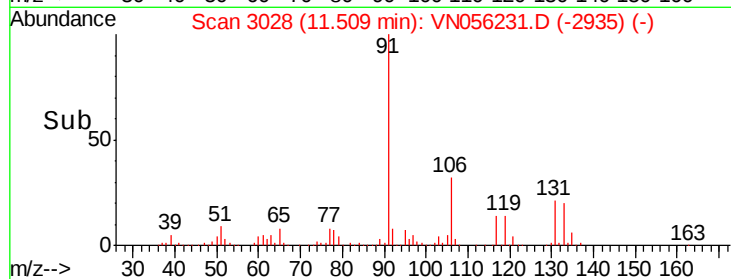
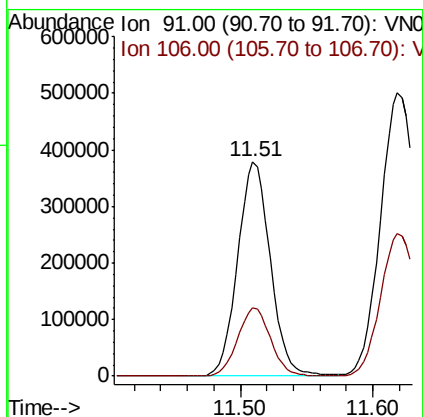
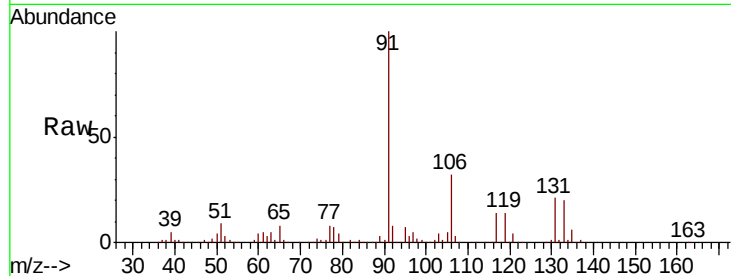




#67
Ethyl Benzene
Concen: 48.965 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

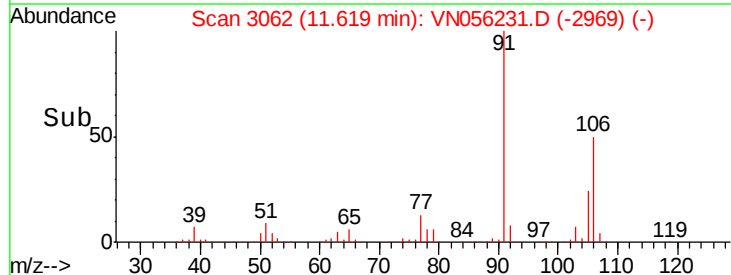
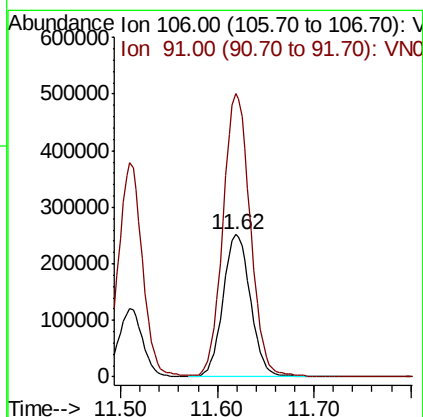
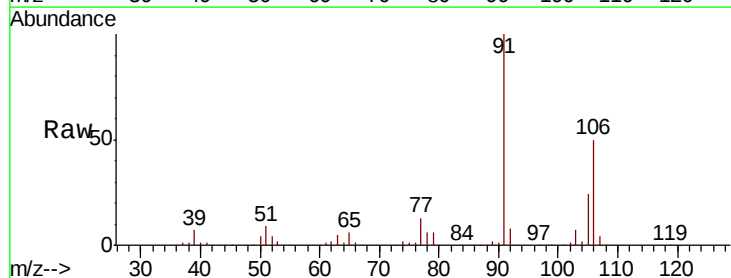
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

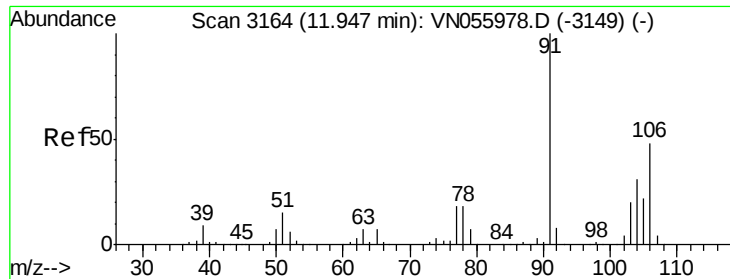
Tot Ion: 91 Resp: 649396
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7



#68
m/p-Xylenes
Concen: 98.355 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 106 Resp: 498302
Ion Ratio Lower Upper
106 100
91 197.5 159.3 238.9

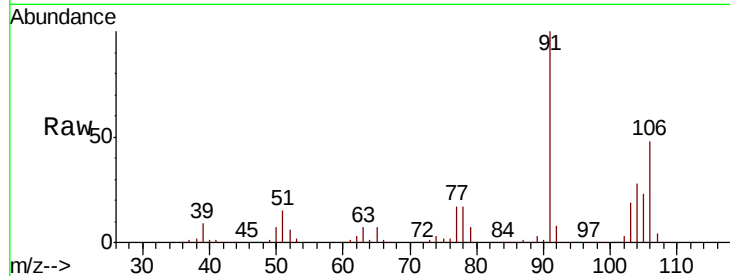




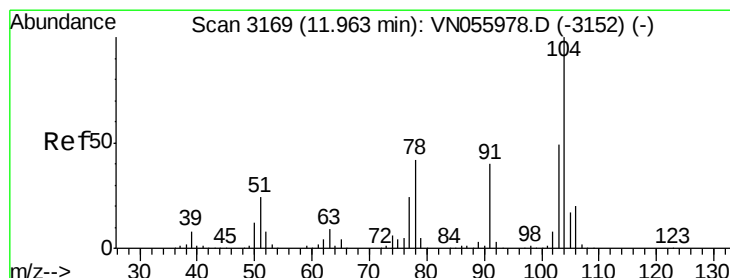
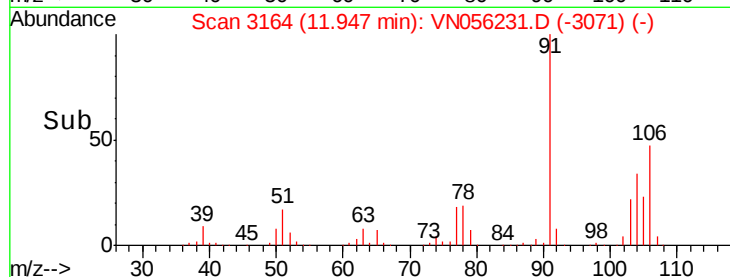
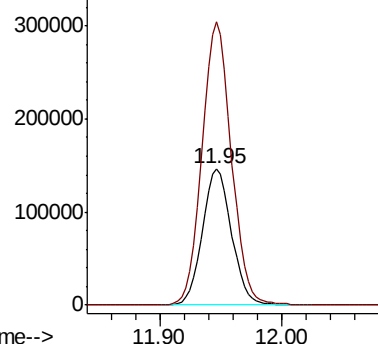
#69
o-Xylene
Concen: 48.916 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion:106 Resp: 243775
Ion Ratio Lower Upper
106 100
91 209.3 104.7 314.1

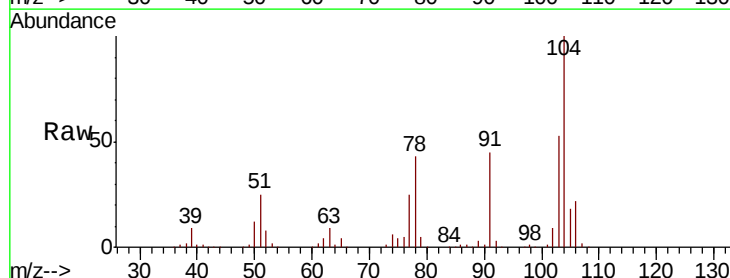


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

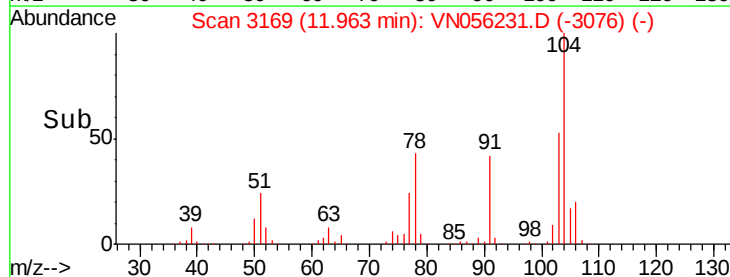
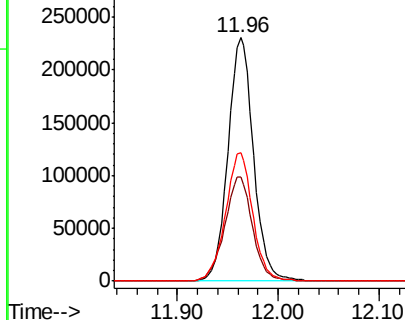


#70
Styrene
Concen: 51.314 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion:104 Resp: 406311
Ion Ratio Lower Upper
104 100
78 46.7 37.8 56.6
103 56.3 44.2 66.2



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

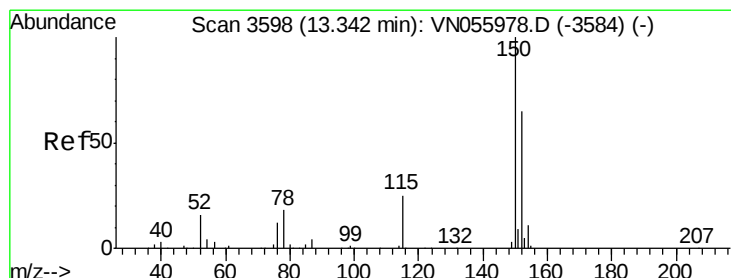
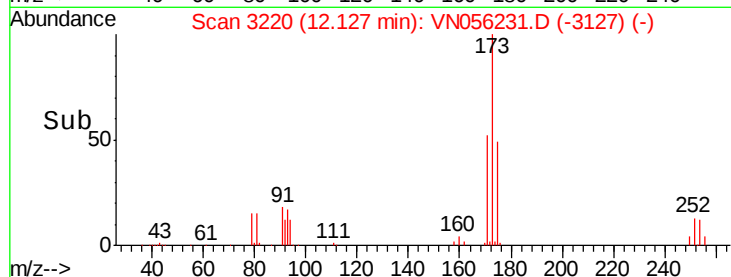
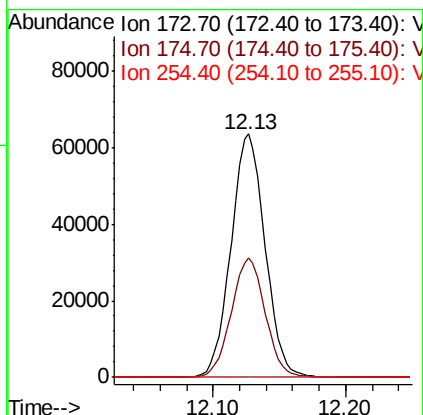
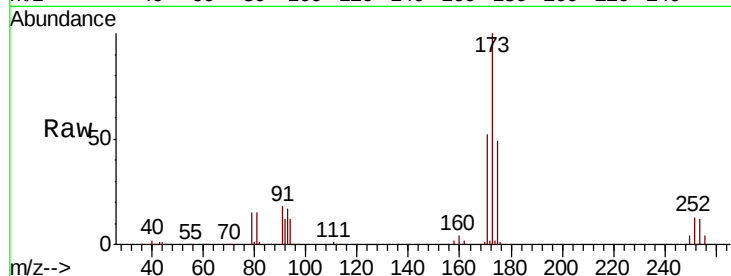




#71
Bromoform
Concen: 51.137 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

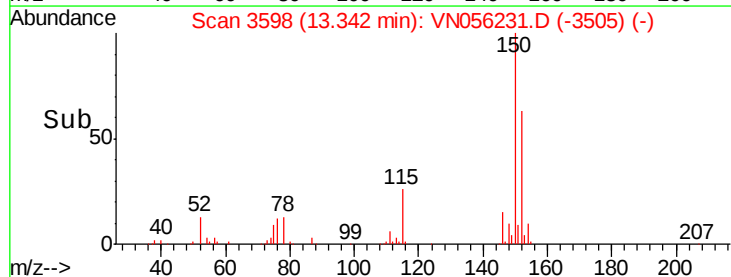
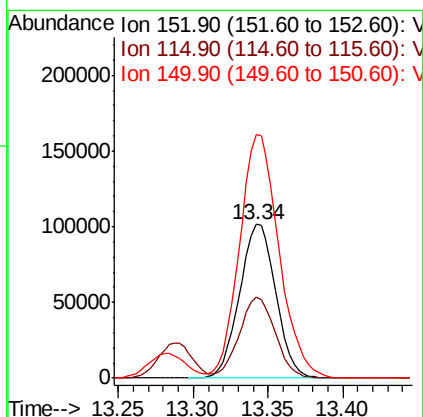
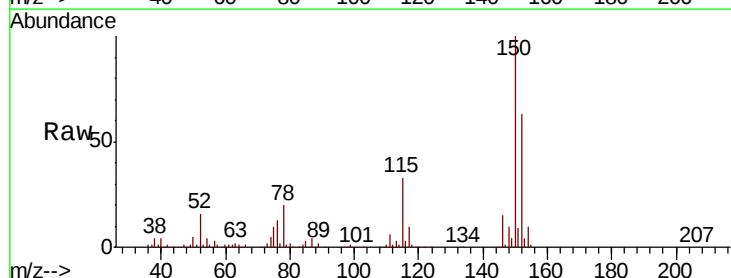
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion:173 Resp: 113210
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion:152 Resp: 171257
Ion Ratio Lower Upper
152 100
115 52.3 27.0 81.0
150 172.4 0.0 343.2





#73

Isopropylbenzene

Concen: 52.598 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

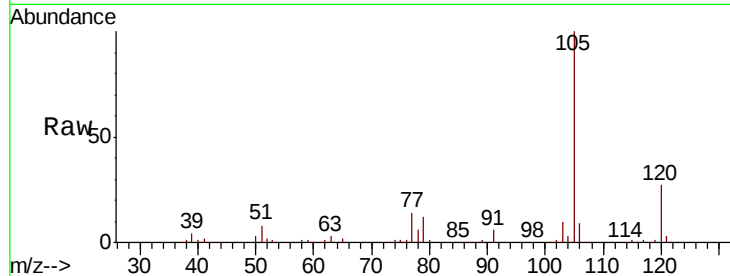
BP-TT-AOC22-MW10-20190609MS

Tot Ion:105 Resp: 640536

Ion Ratio Lower Upper

105 100

120 27.3 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

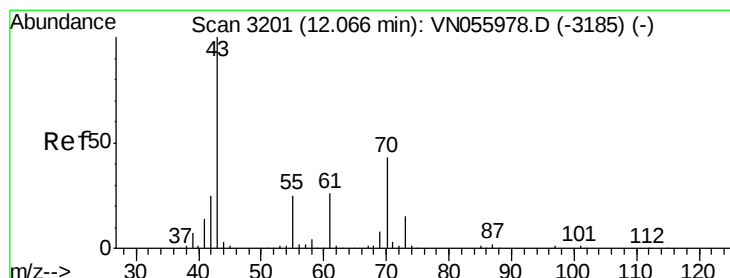
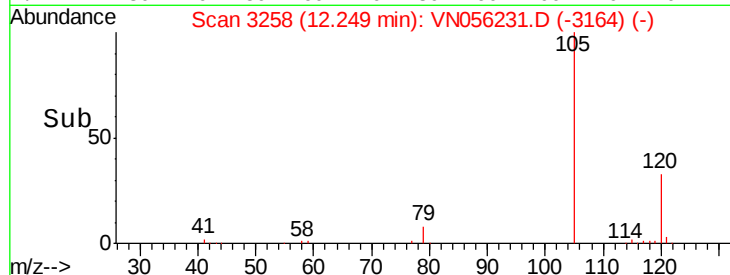
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 42.040 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Tgt Ion: 43 Resp: 191917

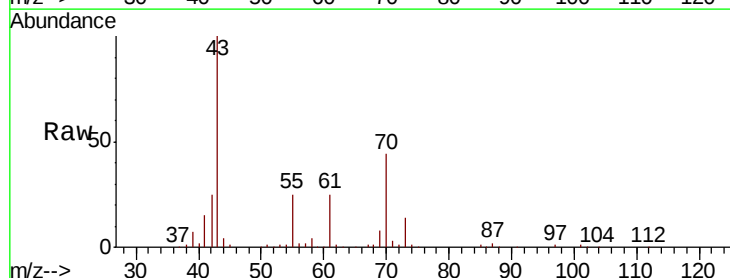
Ion Ratio Lower Upper

43 100

70 44.3 34.0 51.0

55 25.6 18.6 28.0

61 25.6 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

150000

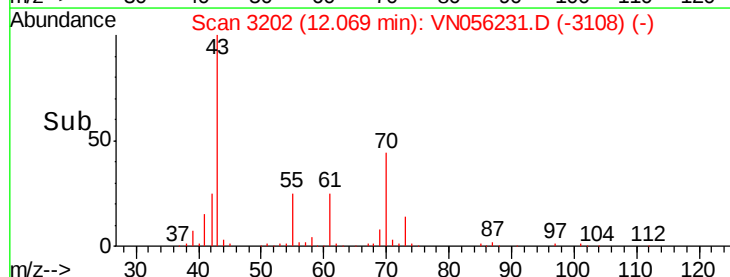
100000

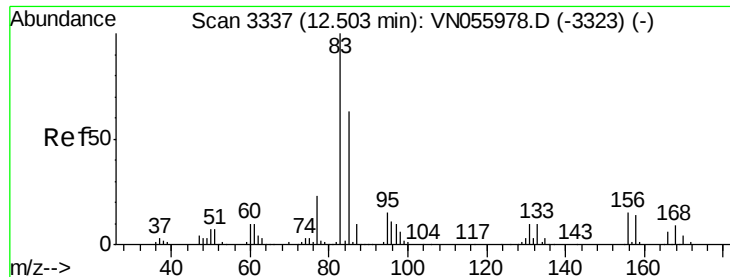
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 49.324 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

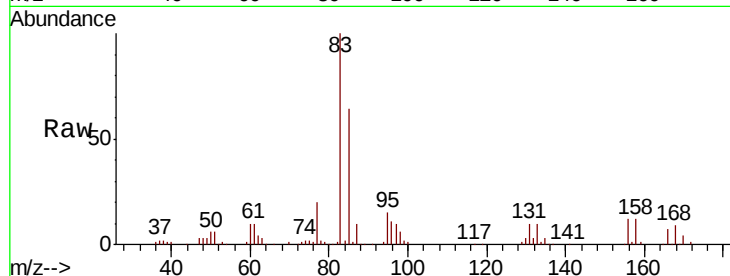
Tot Ion: 83 Resp: 196094

Ion Ratio Lower Upper

83 100

131 10.6 5.4 16.2

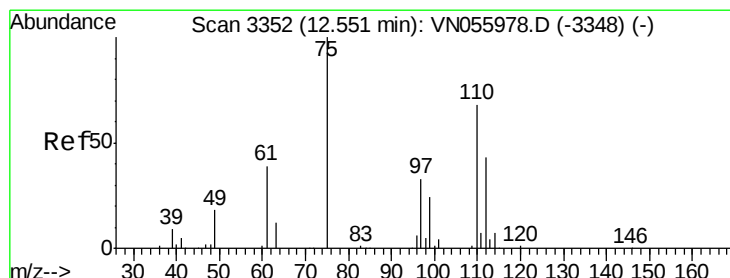
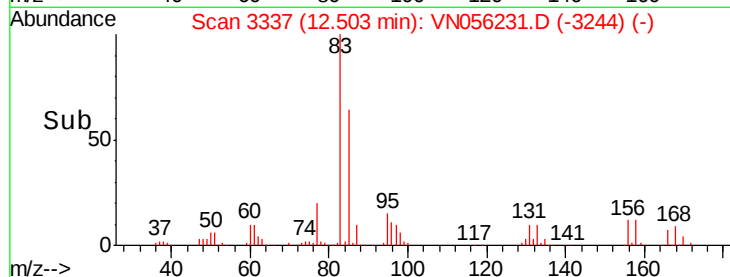
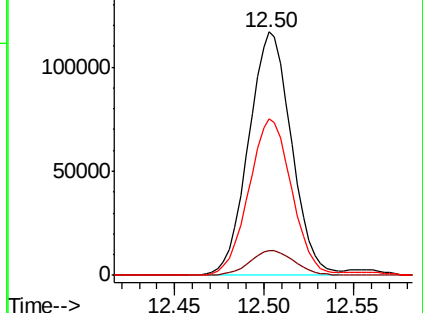
85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 70.029 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056231.D

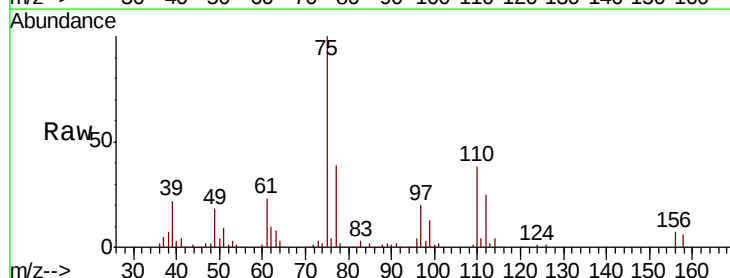
Acq: 11 Jun 2019 18:33

Tgt Ion: 75 Resp: 220675

Ion Ratio Lower Upper

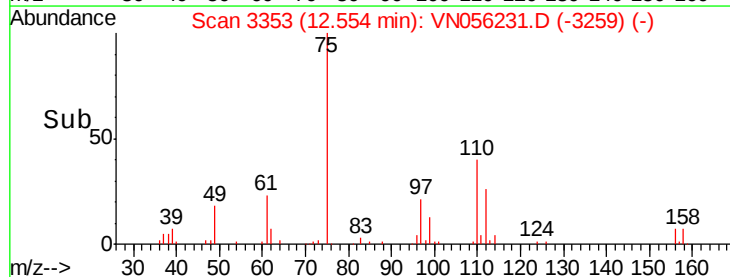
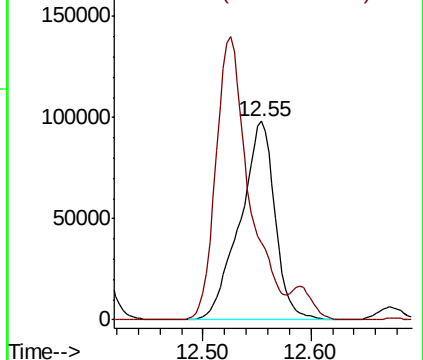
75 100

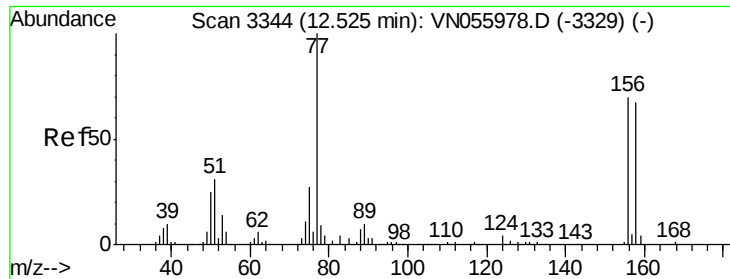
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

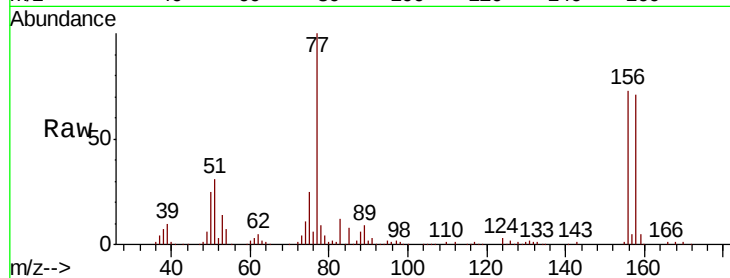




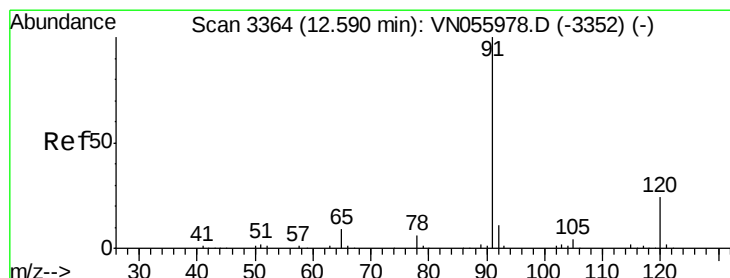
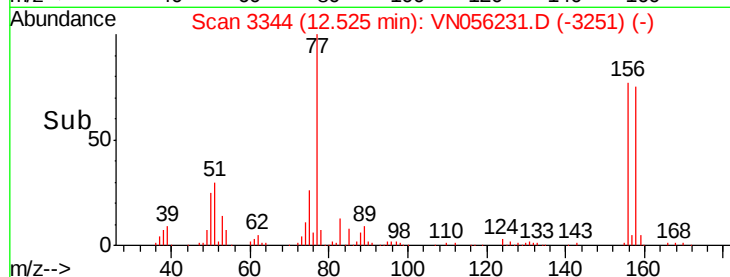
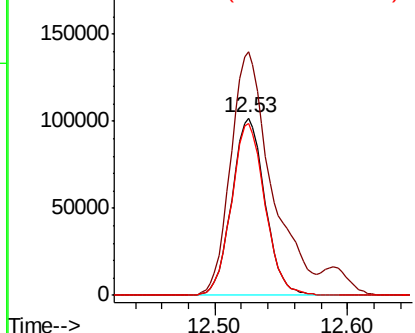
#77
Bromobenzene
Concen: 48.322 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion:156 Resp: 177176
Ion Ratio Lower Upper
156 100
77 169.6 90.8 272.5
158 97.7 49.3 147.8

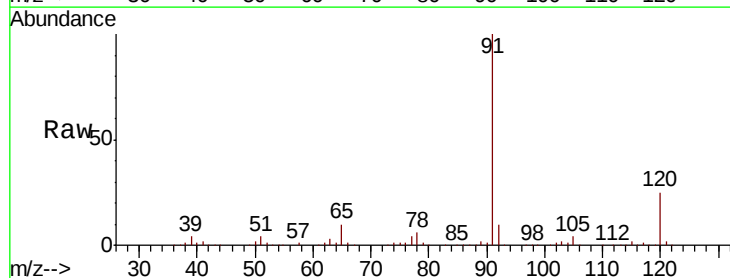


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

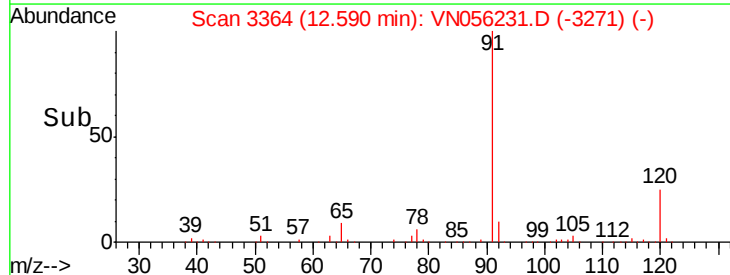
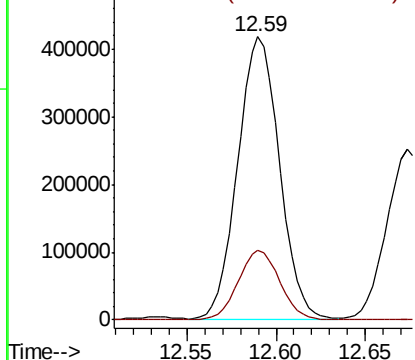


#78
n-propylbenzene
Concen: 46.841 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 91 Resp: 678646
Ion Ratio Lower Upper
91 100
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.254 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

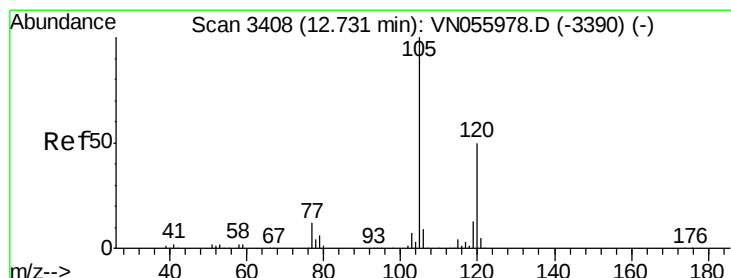
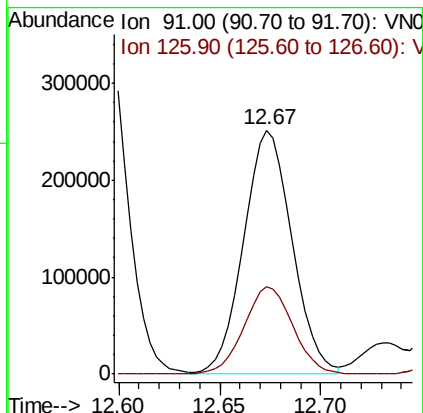
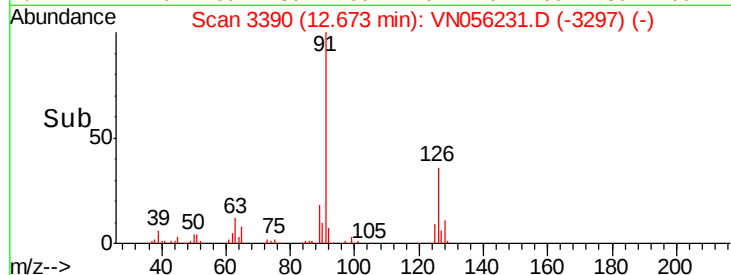
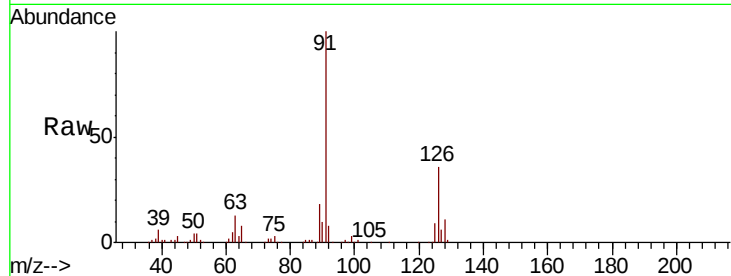
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 91 Resp: 419079

Ion Ratio Lower Upper

91 100

126 36.6 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 45.495 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056231.D

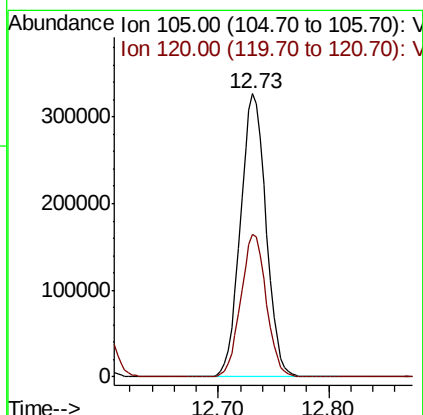
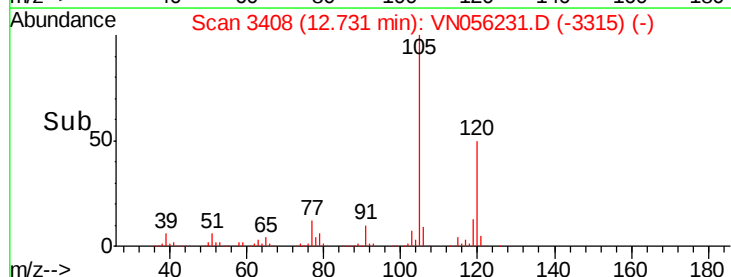
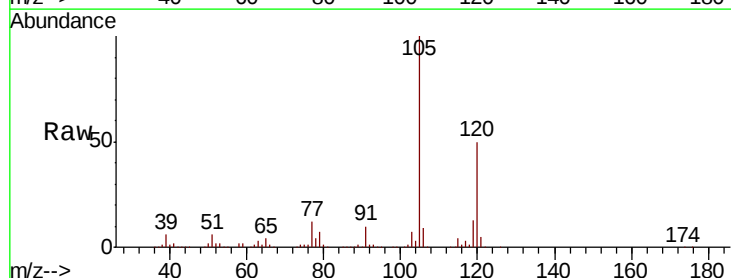
Acq: 11 Jun 2019 18:33

Tgt Ion: 105 Resp: 523856

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 45.009 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

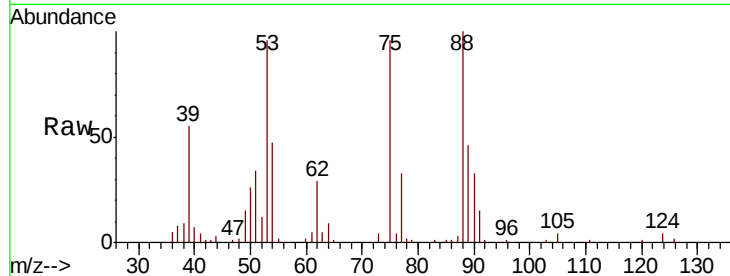
Tot Ion: 75 Resp: 42590

Ion Ratio Lower Upper

75 100

53 102.6 68.1 102.1#

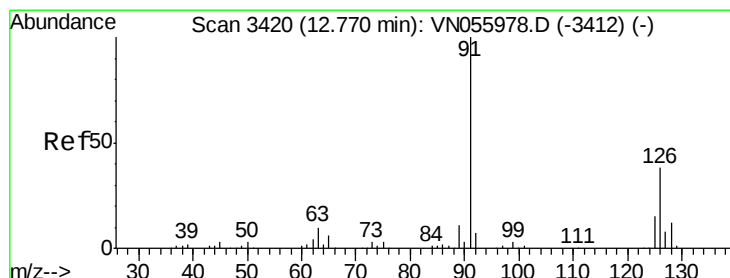
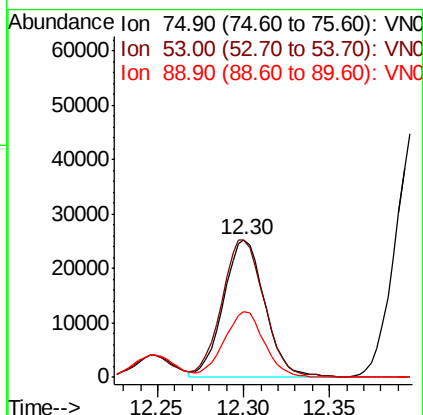
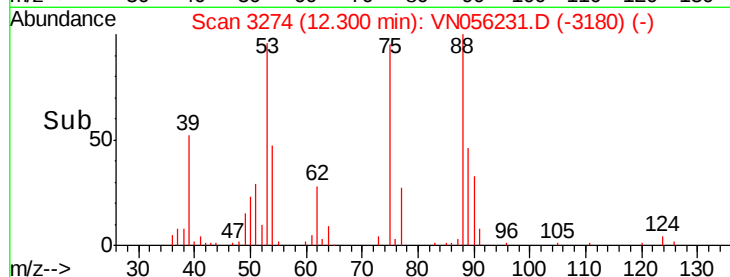
89 46.3 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 46.978 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056231.D

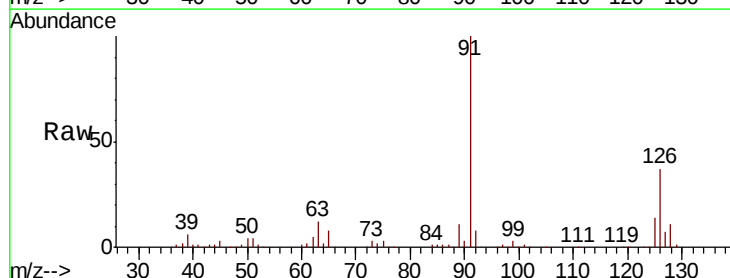
Acq: 11 Jun 2019 18:33

Tgt Ion: 91 Resp: 398199

Ion Ratio Lower Upper

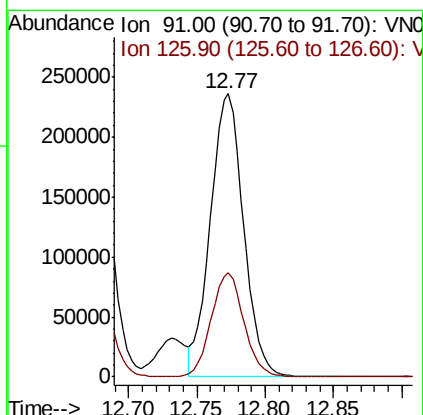
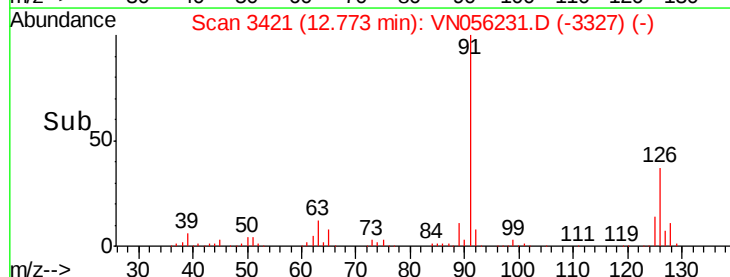
91 100

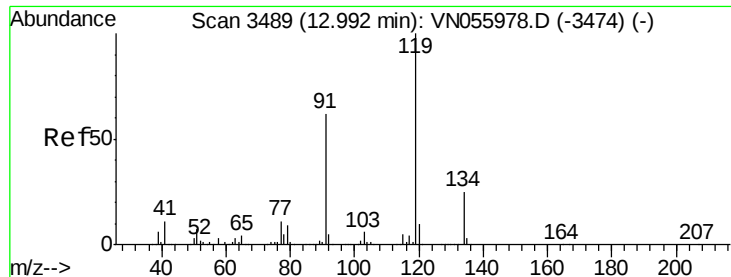
126 36.3 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 52.859 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

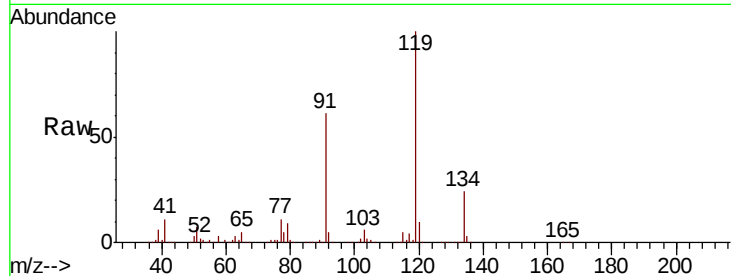
Tot Ion:119 Resp: 470856

Ion Ratio Lower Upper

119 100

91 60.1 30.9 92.8

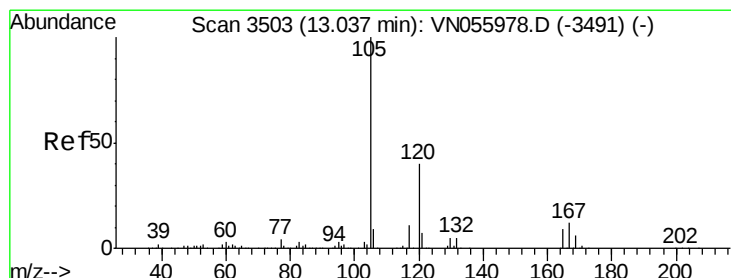
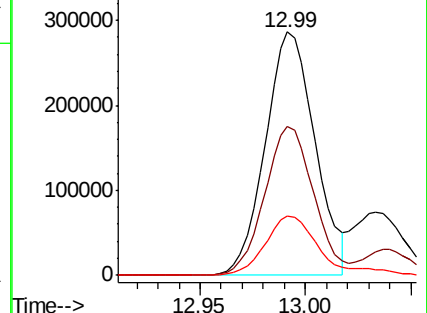
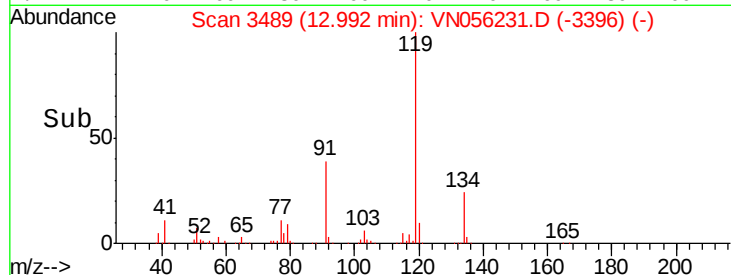
134 26.7 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.419 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN056231.D

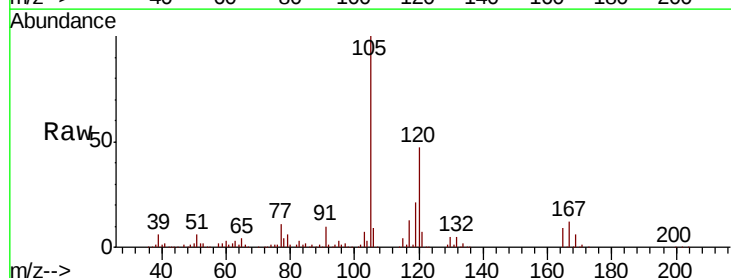
Acq: 11 Jun 2019 18:33

Tgt Ion:105 Resp: 517784

Ion Ratio Lower Upper

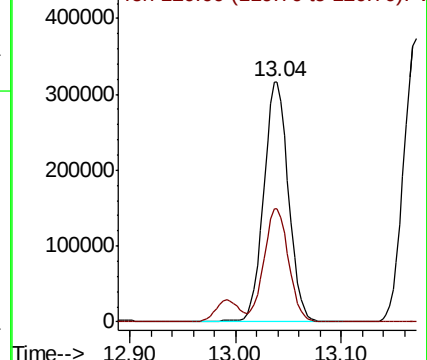
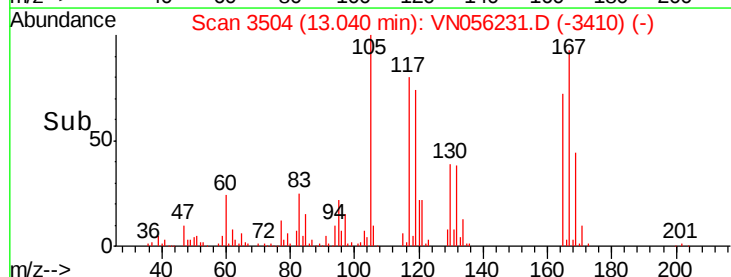
105 100

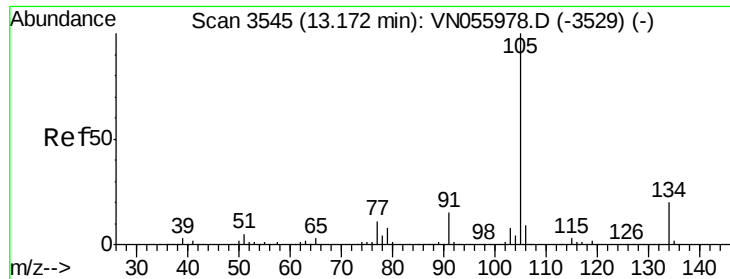
120 47.0 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

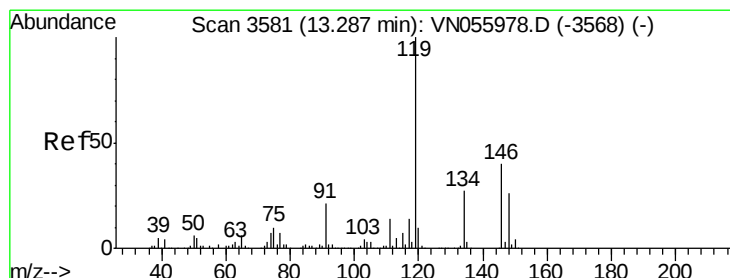
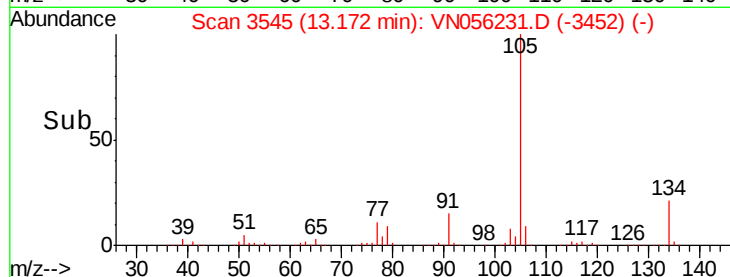
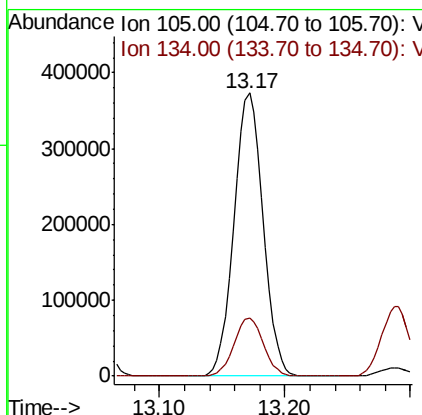
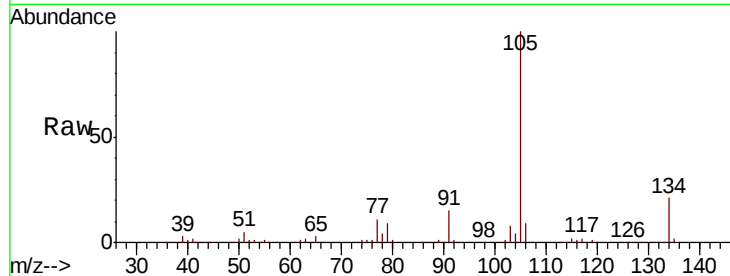




#85
 sec-Butylbenzene
 Concen: 46.859 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

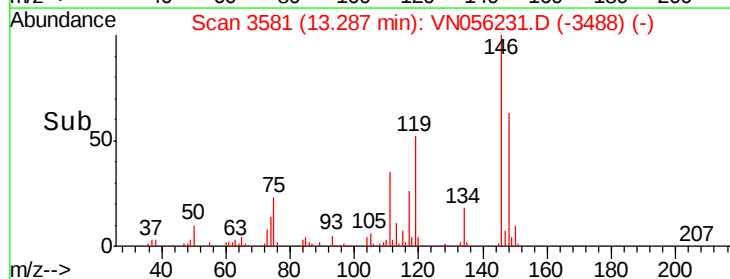
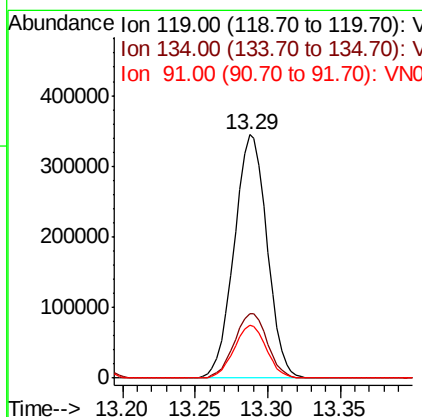
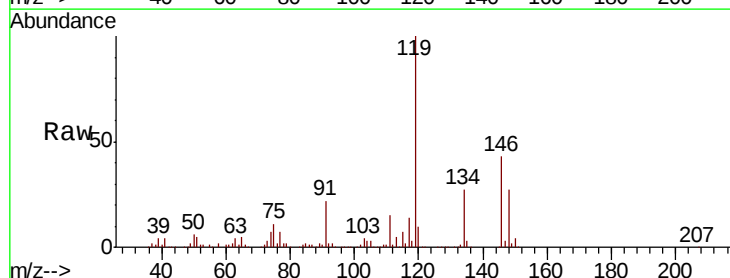
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

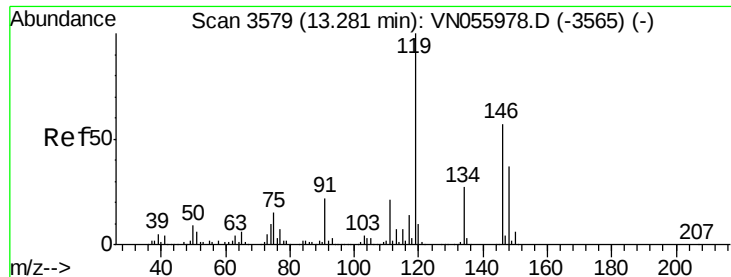
Tot Ion:105 Resp: 601233
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 46.975 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion:119 Resp: 539417
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.1
 91 21.2 10.9 32.9

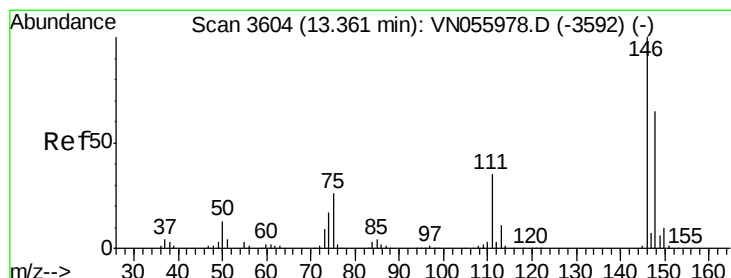
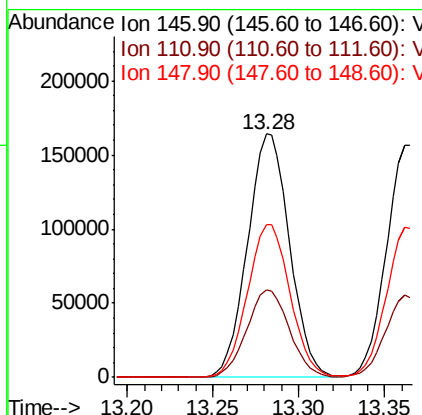
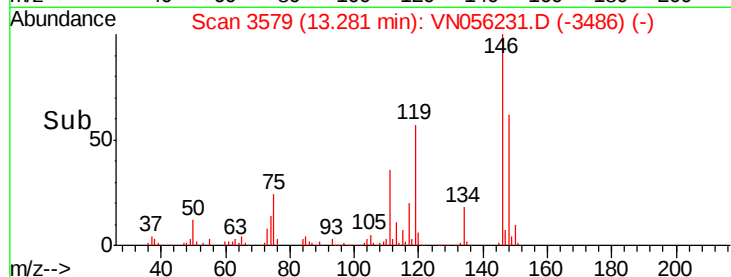
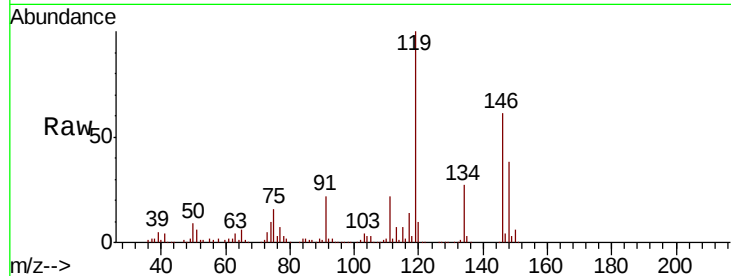




#87
 1,3-Dichlorobenzene
 Concen: 48.971 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

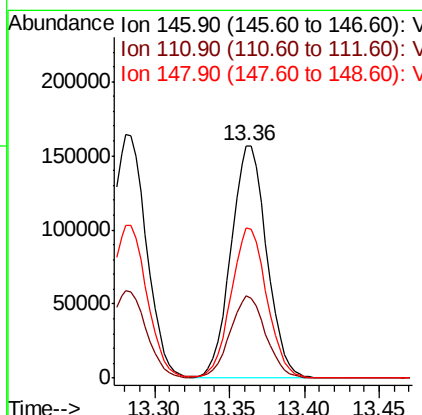
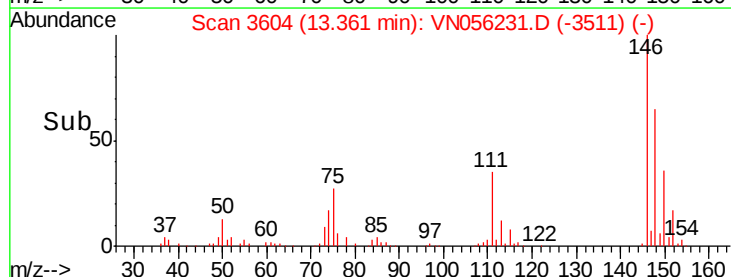
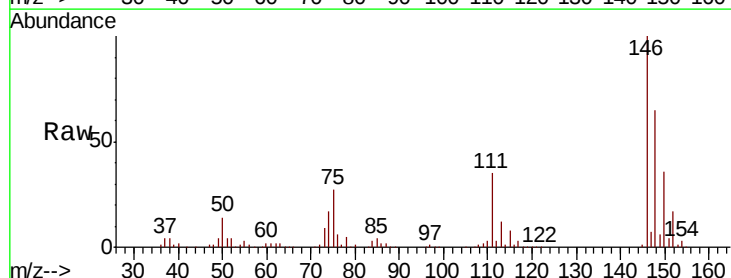
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

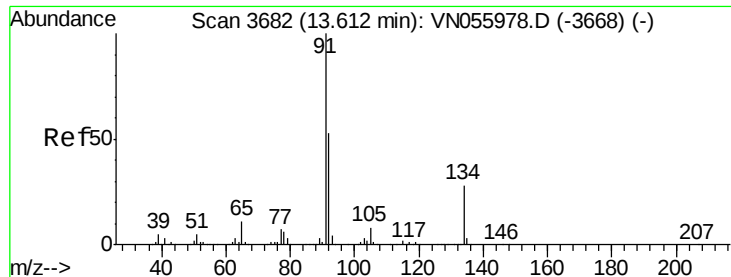
Tot Ion:146 Resp: 277898
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.5 55.5
 148 63.5 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 47.904 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion:146 Resp: 261503
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.1 54.4
 148 64.6 32.1 96.5

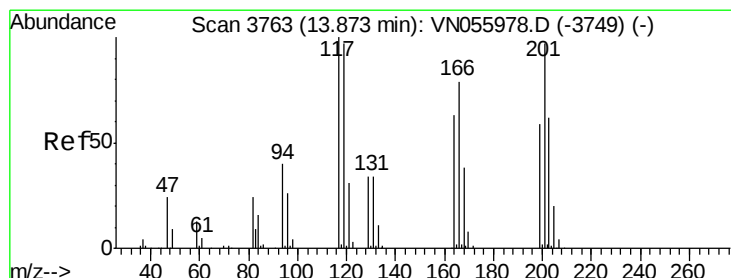
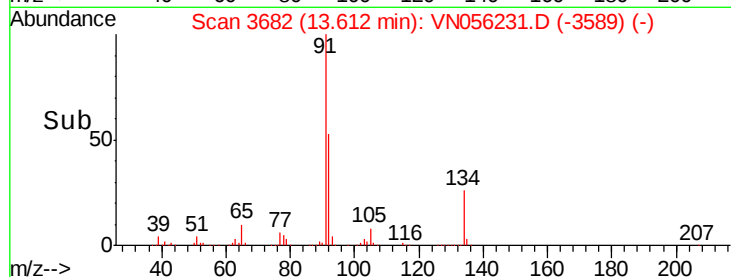
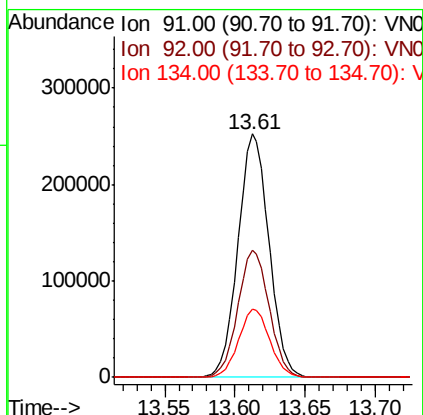
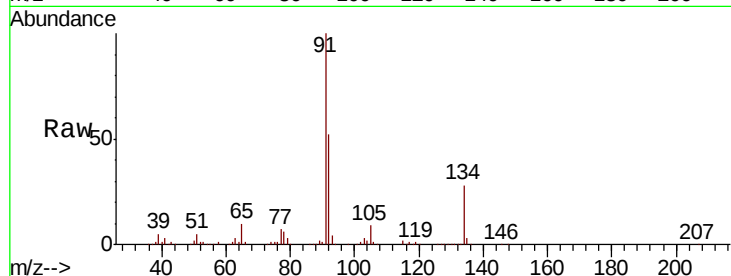




#89
n-Butylbenzene
Concen: 45.716 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

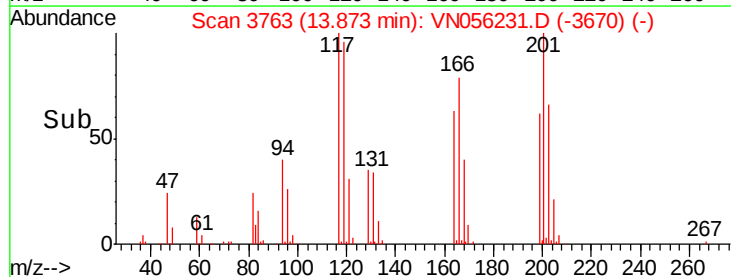
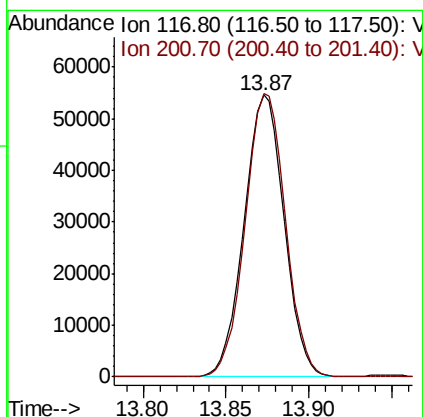
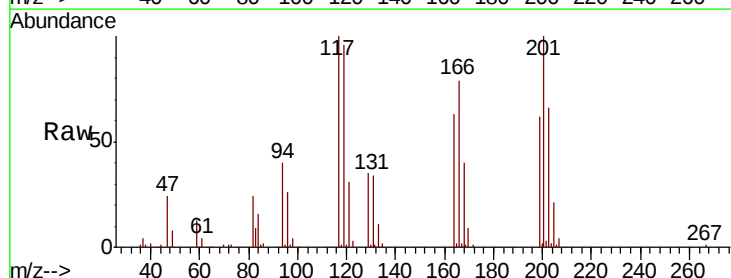
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

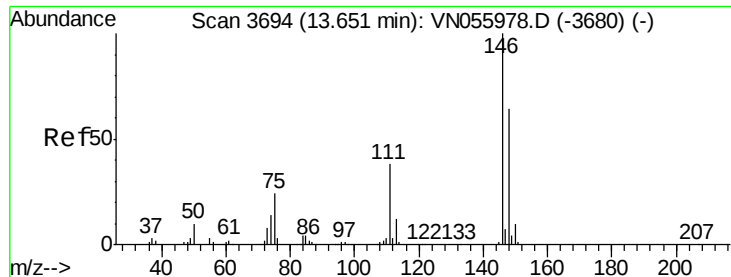
Tot Ion: 91 Resp: 388876
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 28.2 13.9 41.7



#90
Hexachloroethane
Concen: 53.122 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 117 Resp: 91994
Ion Ratio Lower Upper
117 100
201 100.4 50.0 150.0

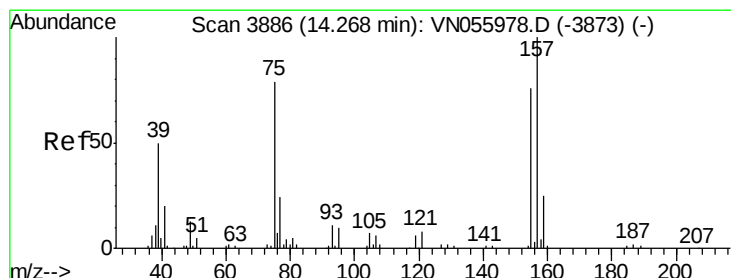
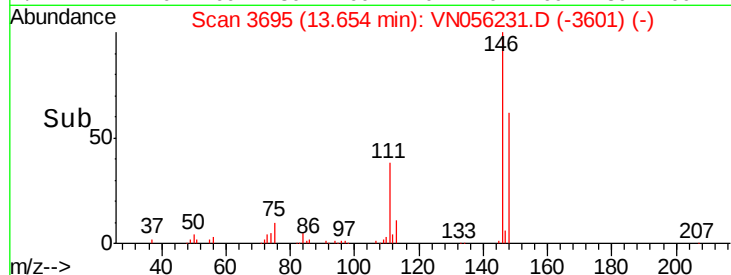
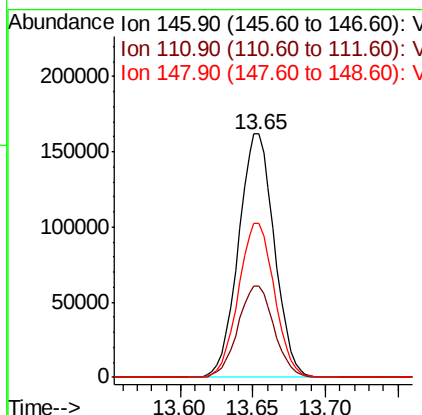
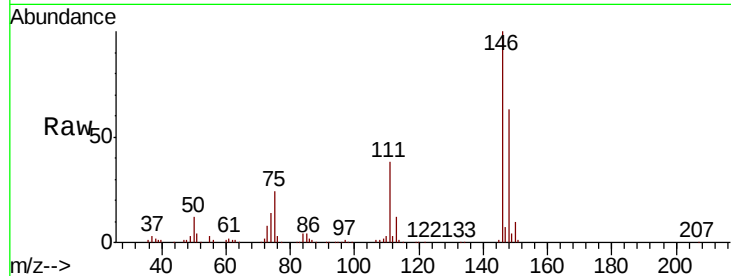




#91
 1,2-Dichlorobenzene
 Concen: 48.402 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

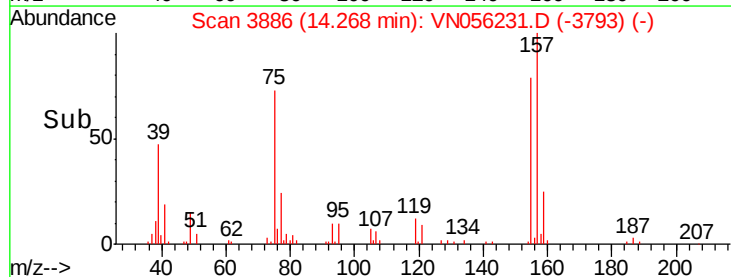
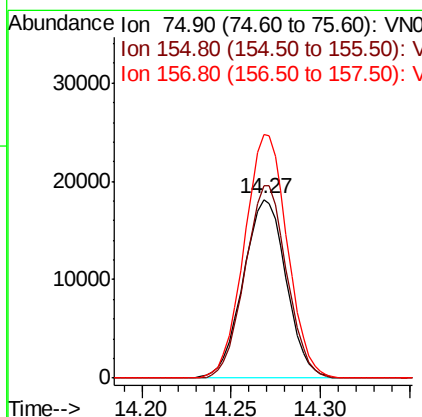
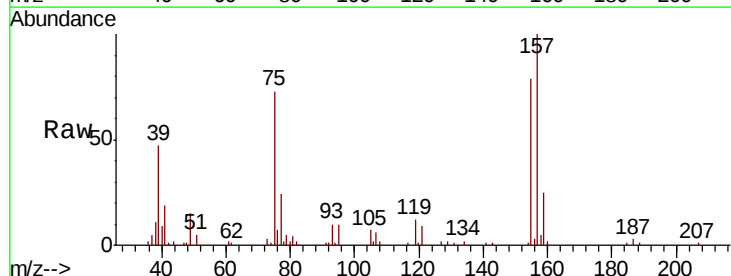
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Tot Ion:146 Resp: 277309
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.5
 148 63.6 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.852 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion: 75 Resp: 30622
 Ion Ratio Lower Upper
 75 100
 155 104.7 50.0 150.1
 157 135.8 64.8 194.3

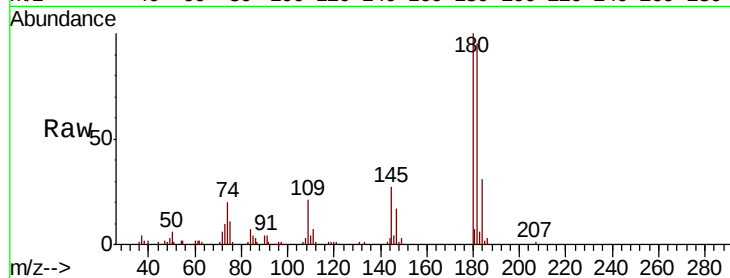




#93
 1,2,4-Trichlorobenzene
 Concen: 40.743 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.3	144.9
145	27.5	14.0	41.9

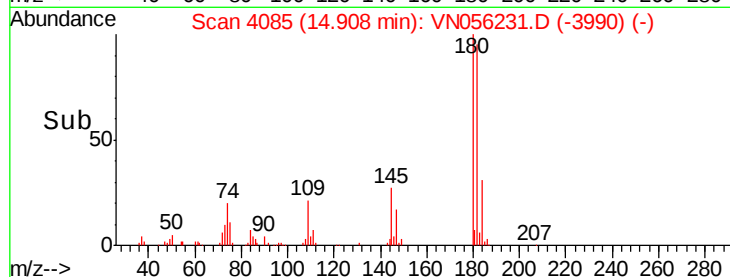
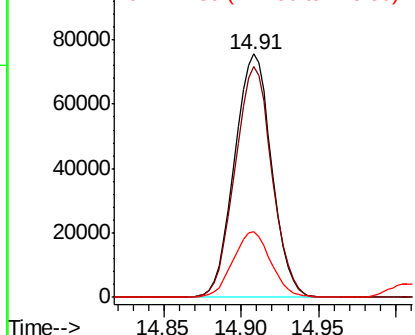


Abundance

Ion 179.80 (179.50 to 180.50): V

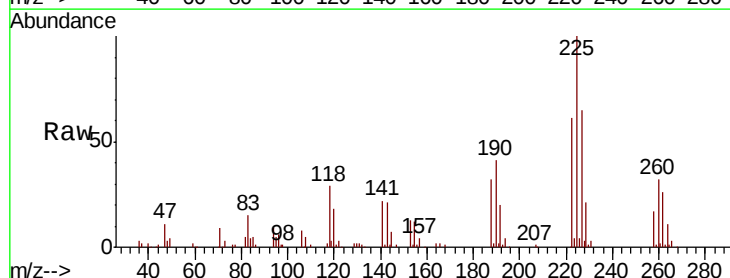
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 53.374 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	30.9	92.7
227	64.4	31.6	94.7

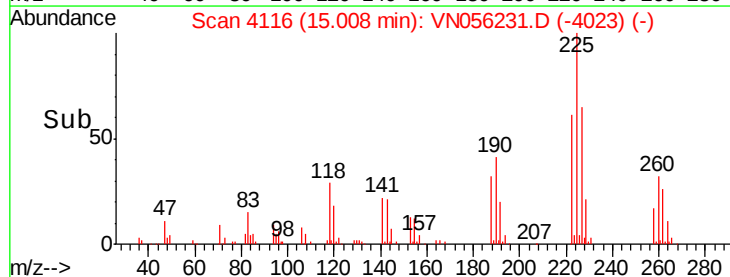
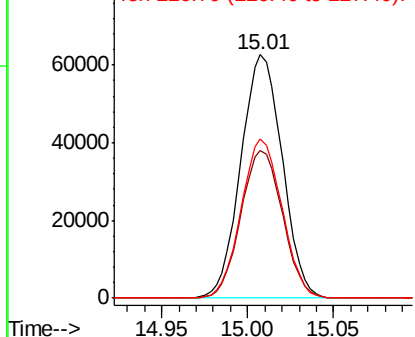


Abundance

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: 40.135 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

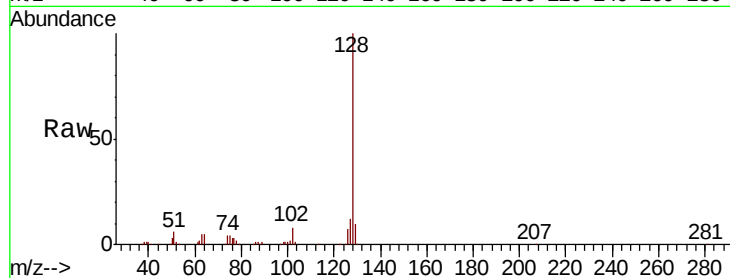
Tot Ion:128 Resp: 322012

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

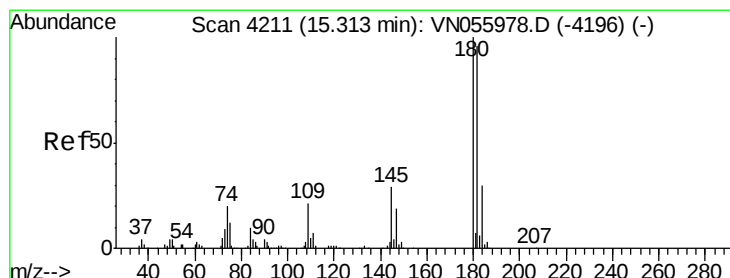
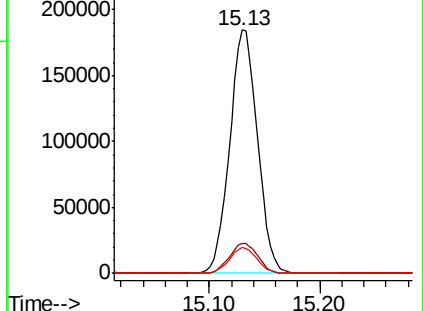
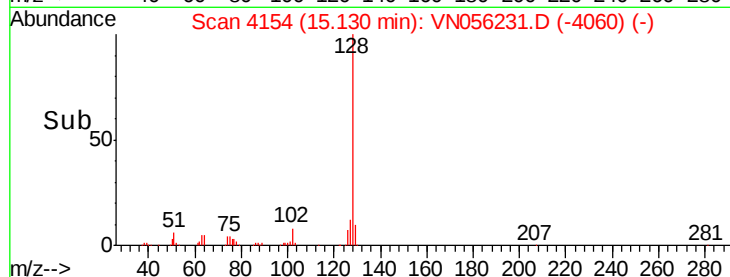
129 10.5 8.7 13.1



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: 43.947 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

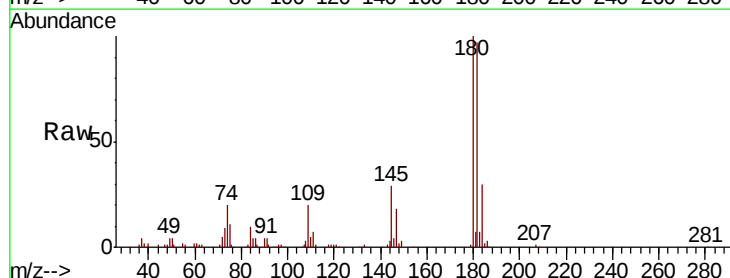
Tgt Ion:180 Resp: 140147

Ion Ratio Lower Upper

180 100

182 96.8 47.9 143.7

145 28.5 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

