

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062816.D
 Acq On : 10 Aug 2020 18:12
 Operator : JC/MD
 Sample : L3618-13MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Quant Time: Aug 11 06:56:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	154046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	256015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	240240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	119896	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	124584	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	7.55	113	87872	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	10.06	98	334256	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.38	95	132976	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	110155	49.937	ug/l	99
3) Chloromethane	2.04	50	99334	47.720	ug/l	100
4) Vinyl Chloride	2.16	62	105937	54.260	ug/l	98
5) Bromomethane	2.50	94	61410	47.515	ug/l	100
6) Chloroethane	2.65	64	70848	55.159	ug/l	98
7) Trichlorofluoromethane	2.96	101	176303	50.641	ug/l	98
8) Diethyl Ether	3.37	74	54488	54.672	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	76116	54.286	ug/l	97
10) Methyl Iodide	3.90	142	98787	58.544	ug/l	95
11) Tert butyl alcohol	4.75	59	108118	258.953	ug/l	100
12) 1,1-Dichloroethene	3.69	96	72582	55.454	ug/l	95
13) Acrolein	3.56	56	77607	306.997	ug/l	100
14) Allyl chloride	4.27	41	132227	49.027	ug/l	96
15) Acrylonitrile	4.93	53	257669	266.079	ug/l	98
16) Acetone	3.78	43	228369	248.096	ug/l	97
17) Carbon Disulfide	4.00	76	193992	52.122	ug/l	98
18) Methyl Acetate	4.28	43	109643	50.370	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	307563	51.533	ug/l	100
20) Methylene Chloride	4.50	84	91641	54.469	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	72794	47.221	ug/l	95
22) Diisopropyl ether	5.90	45	283708	49.415	ug/l	99
23) Vinyl Acetate	5.84	43	923002	211.358	ug/l	98
24) 1,1-Dichloroethane	5.80	63	158930	47.236	ug/l	99
25) 2-Butanone	6.79	43	318065	243.973	ug/l	100
26) 2,2-Dichloropropane	6.78	77	112945	36.417	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	91076	49.250	ug/l	90
28) Bromochloromethane	7.15	49	79284	48.825	ug/l	97
29) Tetrahydrofuran	7.17	42	208807	246.536	ug/l	96
30) Chloroform	7.33	83	170008	47.546	ug/l	98
31) Cyclohexane	7.61	56	144728	46.860	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	152675	47.757	ug/l	99
36) 1,1-Dichloropropene	7.75	75	112508	45.132	ug/l	98
37) Ethyl Acetate	6.88	43	111326	42.751	ug/l	100
38) Carbon Tetrachloride	7.73	117	133806	45.384	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	139156	46.385	ug/l	98
40) Benzene	8.00	78	340928	45.832	ug/l	98
41) Methacrylonitrile	7.12	41	58832	50.068	ug/l #	64
42) 1,2-Dichloroethane	8.09	62	142030	44.860	ug/l	100
43) Isopropyl Acetate	8.13	43	190038	43.753	ug/l	98
44) Trichloroethene	8.80	130	82946	45.768	ug/l	97
45) 1,2-Dichloropropane	9.08	63	94341	46.859	ug/l	98
46) Dibromomethane	9.17	93	62066	47.050	ug/l	98
47) Bromodichloromethane	9.37	83	140066	47.276	ug/l	98
48) Methyl methacrylate	9.17	41	98844	46.267	ug/l	97
49) 1,4-Dioxane	9.17	88	39357	994.219	ug/l	98
51) 4-Methyl-2-Pentanone	9.96	43	673583	239.687	ug/l	99
52) Toluene	10.13	92	218536	47.582	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	151579	46.512	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	150208	45.907	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	92179	46.992	ug/l	98
56) Ethyl methacrylate	10.40	69	150296	50.904	ug/l	97
57) 1,3-Dichloropropane	10.68	76	156448	46.940	ug/l	98
59) 2-Hexanone	10.72	43	508102	242.381	ug/l	97
60) Dibromochloromethane	10.88	129	110215	49.236	ug/l	98
61) 1,2-Dibromoethane	10.98	107	94176	48.655	ug/l	99
64) Tetrachloroethene	10.60	164	68091	43.928	ug/l	98
65) Chlorobenzene	11.41	112	237928	47.378	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	98158	48.673	ug/l	97
67) Ethyl Benzene	11.49	91	442564	49.247	ug/l	99
68) m/p-Xylenes	11.60	106	326907	100.212	ug/l	97
69) o-Xylene	11.92	106	159763	52.260	ug/l	96
70) Stvrene	11.94	104	277933	51.722	ug/l	99
71) Bromoform	12.10	173	79367	48.100	ug/l #	99
73) Isopropylbenzene	12.23	105	442252	48.986	ug/l	99
74) N-amyl acetate	12.05	43	170542	46.614	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	144969	45.614	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	197032	60.935	ug/l #	100
77) Bromobenzene	12.50	156	107730	48.025	ug/l	95
78) n-propylbenzene	12.57	91	506062	47.752	ug/l	99
79) 2-Chlorotoluene	12.65	91	313402	47.158	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	389274	49.701	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	48850	46.119	ug/l	98
82) 4-Chlorotoluene	12.75	91	333043	48.630	ug/l	100
83) tert-Butylbenzene	12.97	119	323251	48.774	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	385471	51.444	ug/l	99
85) sec-Butylbenzene	13.15	105	424399	48.764	ug/l	100
86) p-Isopropyltoluene	13.26	119	383630	49.659	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	190269	47.479	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	190578	47.415	ug/l	99
89) n-Butylbenzene	13.59	91	307072	46.999	ug/l	99
90) Hexachloroethane	13.85	117	74648	44.828	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	187094	49.798	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	34477	50.531	ug/l	97
93) 1,2,4-Trichlorobenzene	14.89	180	91024	45.436	ug/l	97

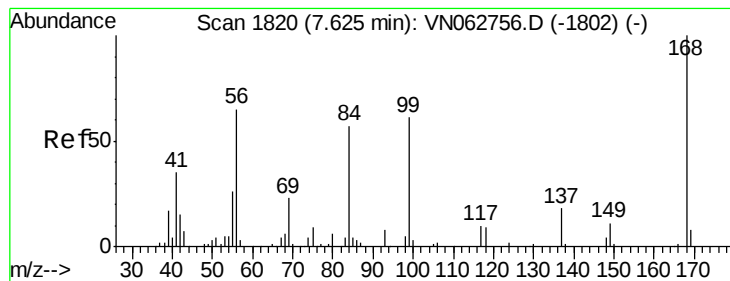
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	51362	43.224	ug/l	98
95) Naphthalene	15.11	128	270165	49.090	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	92350	46.632	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

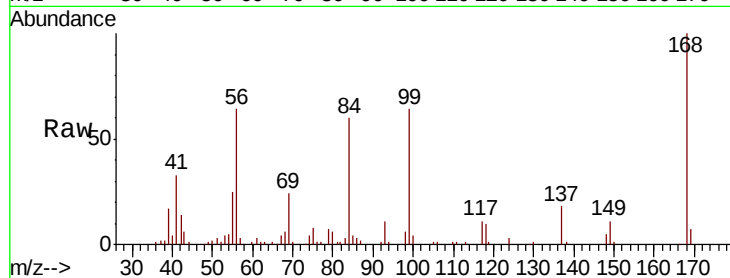
BP-VPB179-GW-498-500MSD

Tot Ion:168 Resp: 154046

Ion Ratio Lower Upper

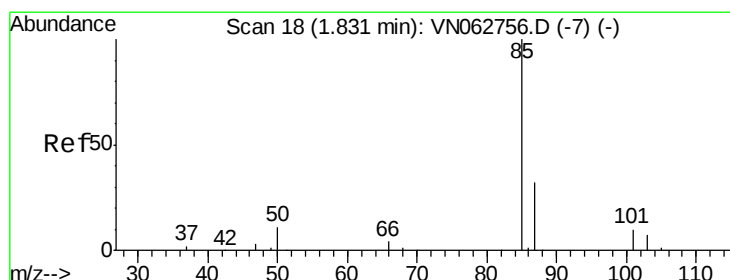
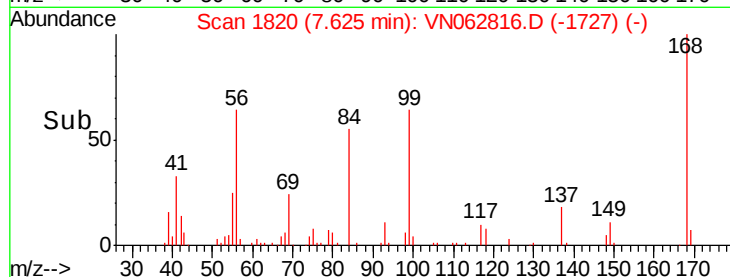
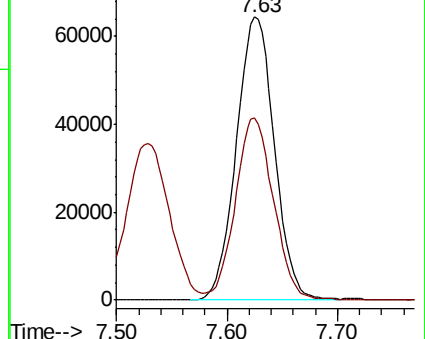
168 100

99 63.9 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.937 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062816.D

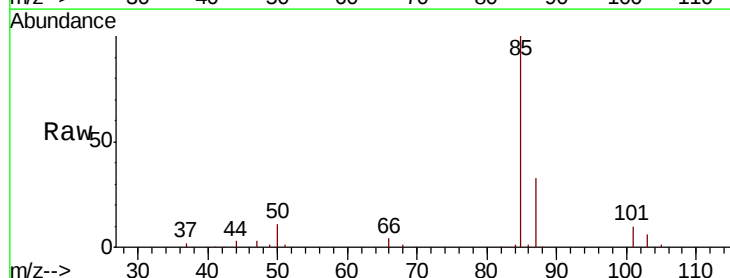
Acq: 10 Aug 2020 18:12

Tgt Ion: 85 Resp: 110155

Ion Ratio Lower Upper

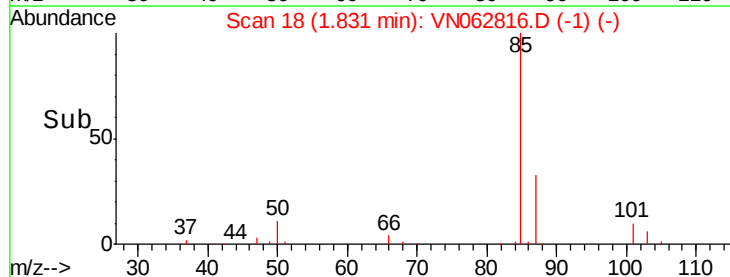
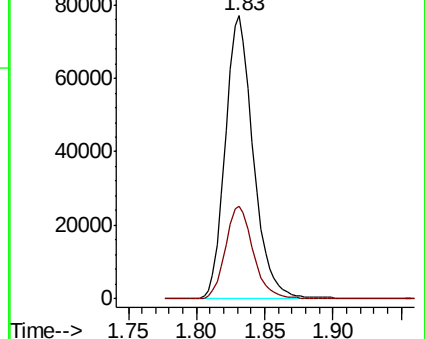
85 100

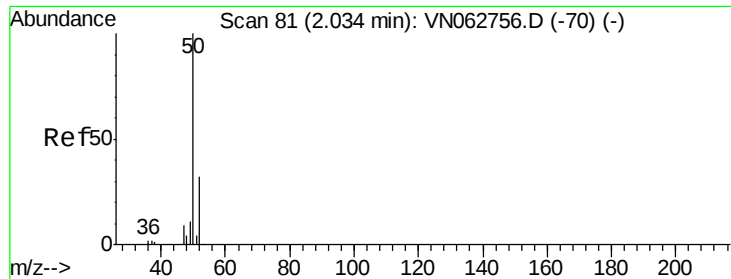
87 33.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.720 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

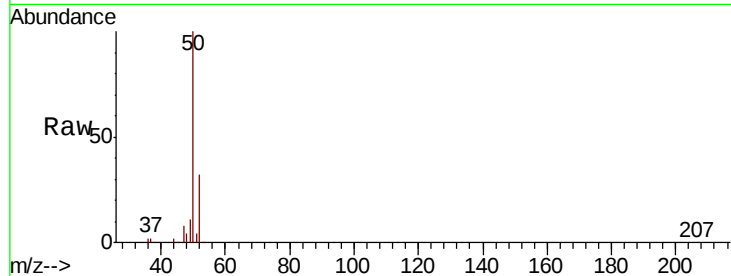
BP-VPB179-GW-498-500MSD

Tot Ion: 50 Resp: 99334

Ion Ratio Lower Upper

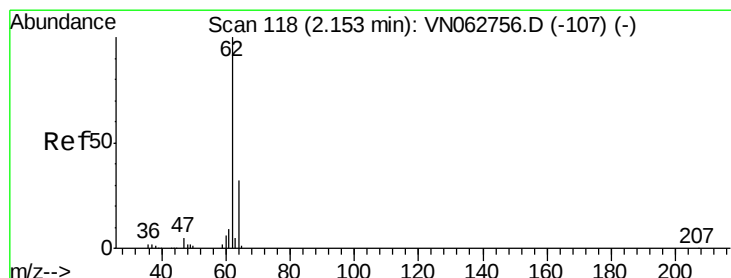
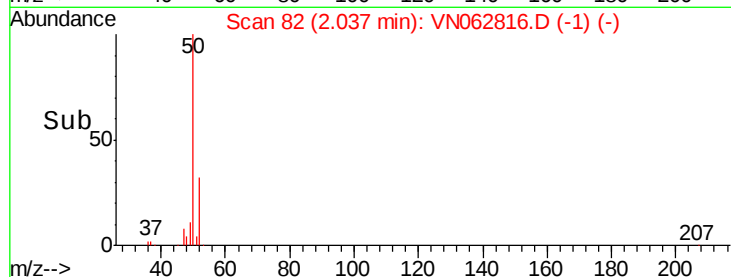
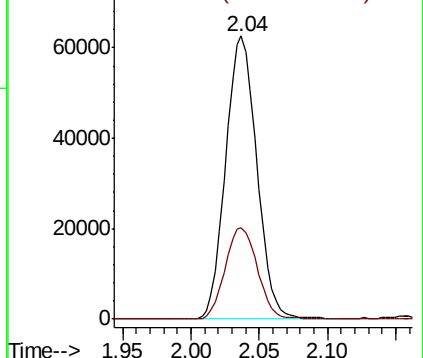
50 100

52 32.1 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 54.260 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062816.D

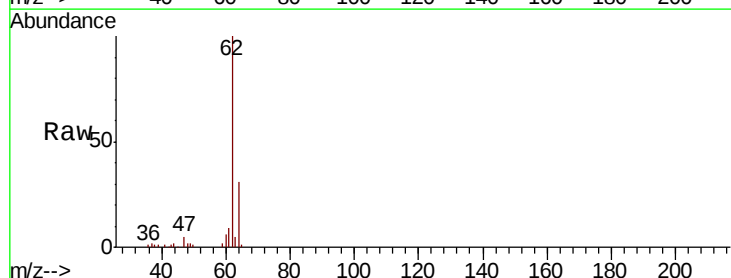
Acq: 10 Aug 2020 18:12

Tgt Ion: 62 Resp: 105937

Ion Ratio Lower Upper

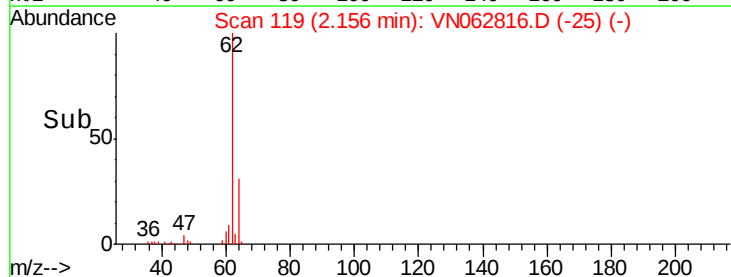
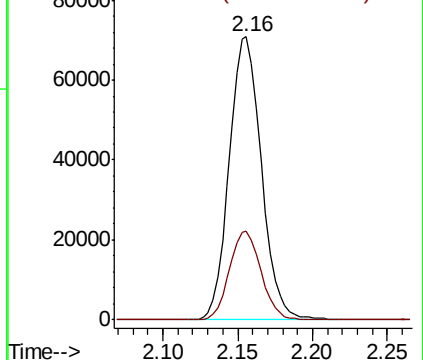
62 100

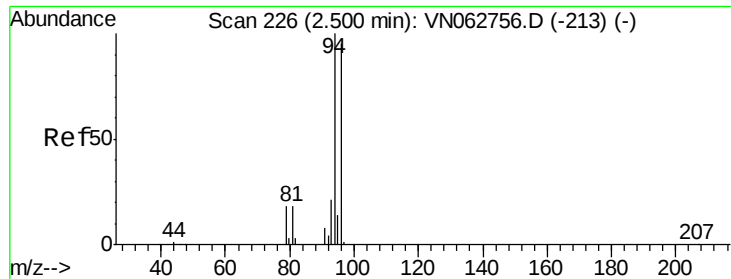
64 31.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.515 ug/l

RT: 2.50 min Scan# 225

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

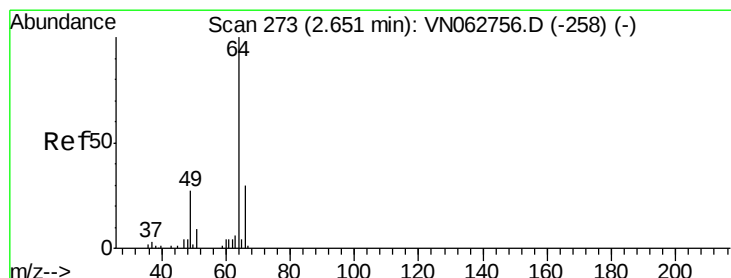
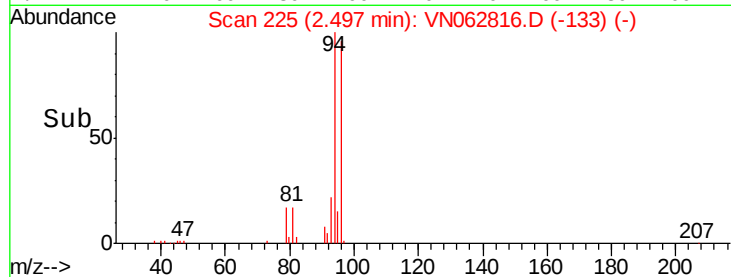
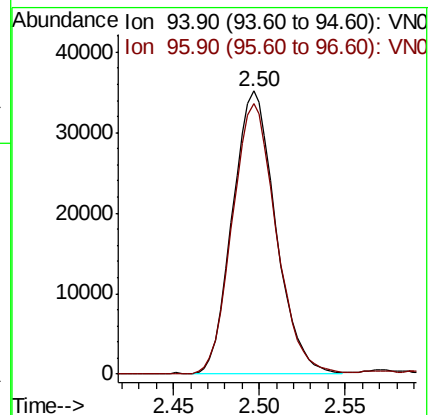
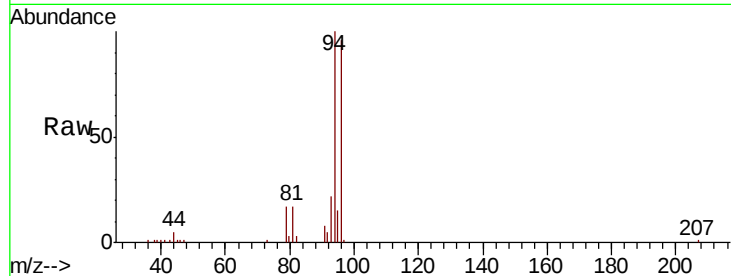
BP-VPB179-GW-498-500MSD

Tot Ion: 94 Resp: 61410

Ion Ratio Lower Upper

94 100

96 95.5 76.2 114.4



#6

Chloroethane

Concen: 55.159 ug/l

RT: 2.65 min Scan# 272

Delta R.T. -0.00 min

Lab File: VN062816.D

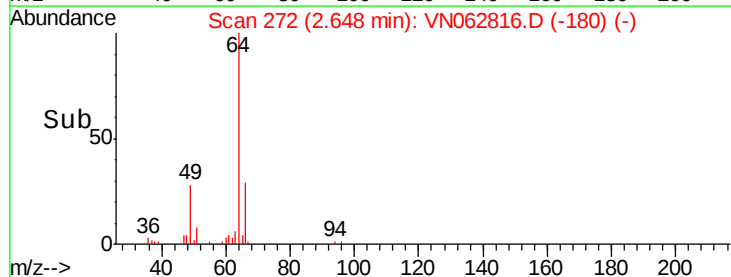
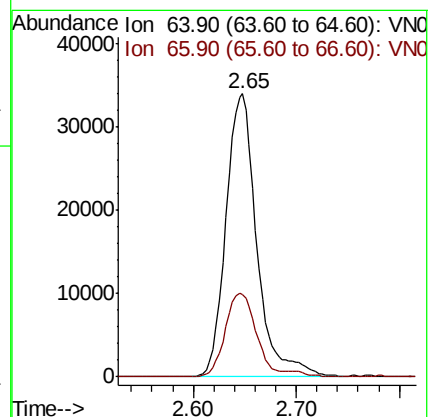
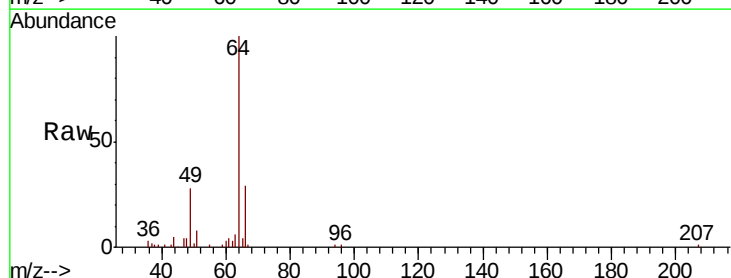
Acq: 10 Aug 2020 18:12

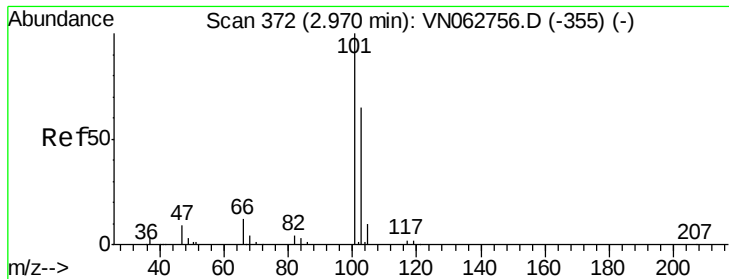
Tgt Ion: 64 Resp: 70848

Ion Ratio Lower Upper

64 100

66 29.1 24.0 36.0



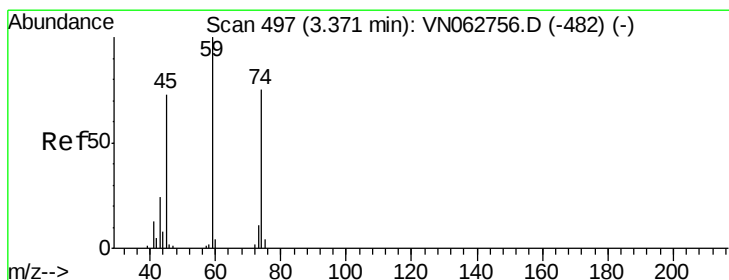
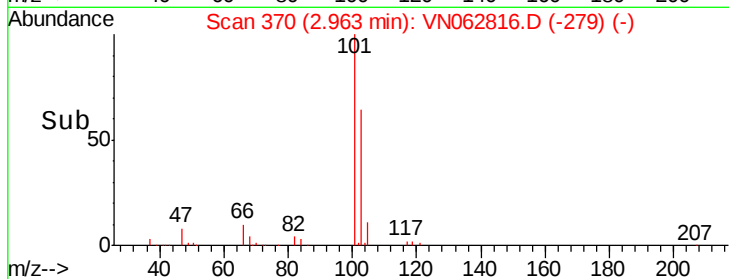
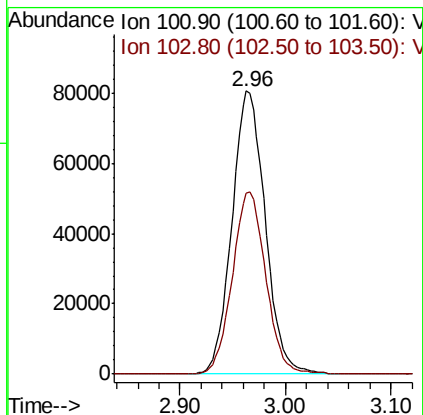
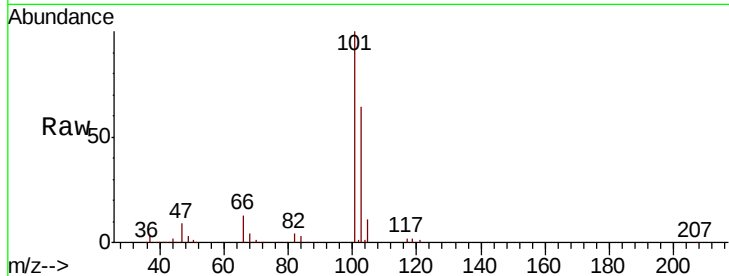


#7

Trichlorofluoromethane
Concen: 50.641 ug/l
RT: 2.96 min Scan# 370
Delta R.T. -0.01 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

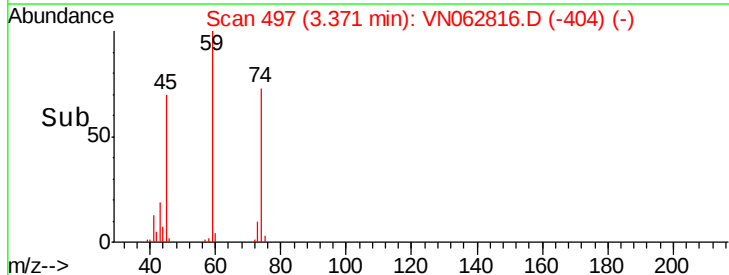
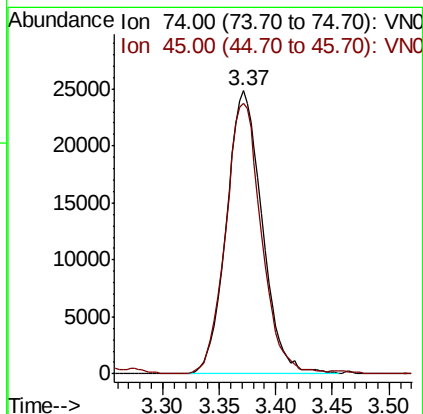
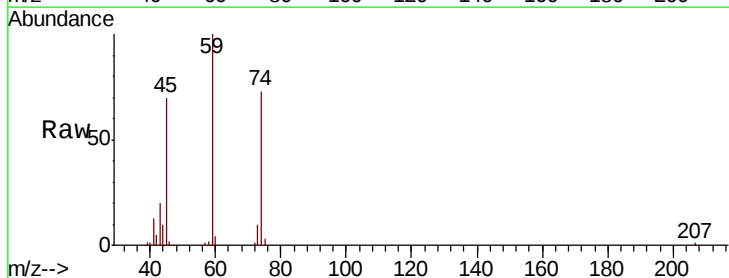
Tot Ion:101 Resp: 176303
Ion Ratio Lower Upper
101 100
103 64.0 52.3 78.5

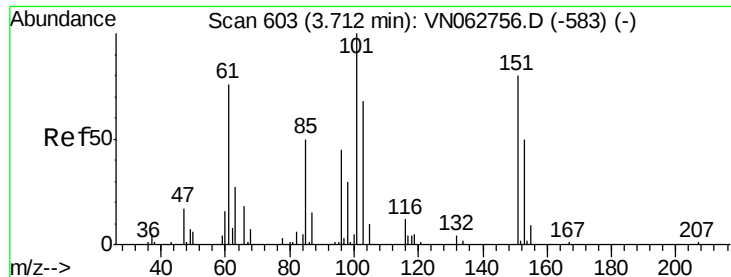


#8

Diethyl Ether
Concen: 54.672 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion: 74 Resp: 54488
Ion Ratio Lower Upper
74 100
45 96.2 48.7 146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.286 ug/l

RT: 3.71 min Scan# 601

Delta R.T. -0.01 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

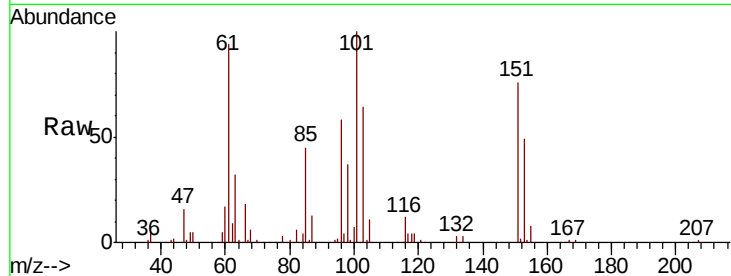
Tot Ion:101 Resp: 76116

Ion Ratio Lower Upper

101 100

85 45.5 38.5 57.7

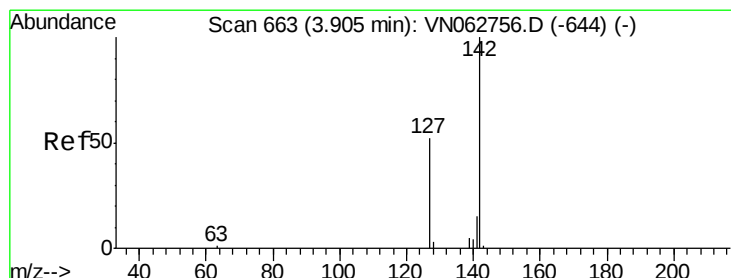
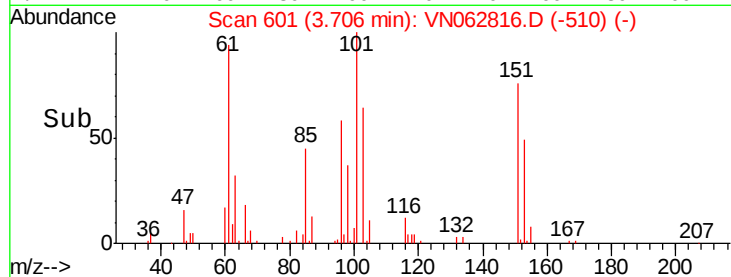
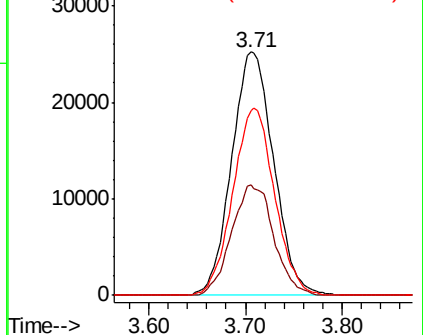
151 76.2 63.0 94.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 58.544 ug/l

RT: 3.90 min Scan# 662

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

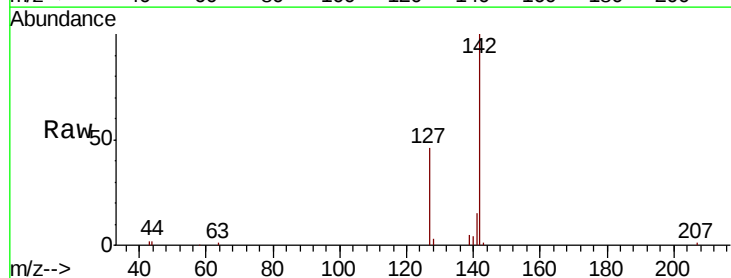
Tgt Ion:142 Resp: 98787

Ion Ratio Lower Upper

142 100

127 47.4 41.4 62.0

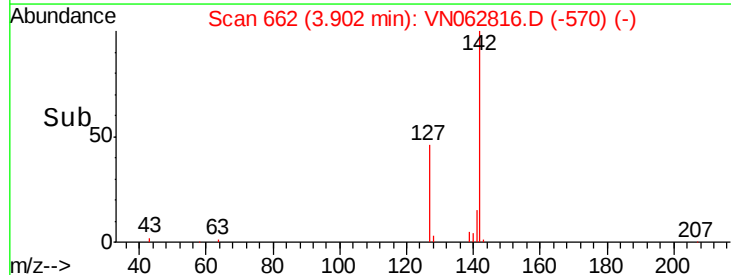
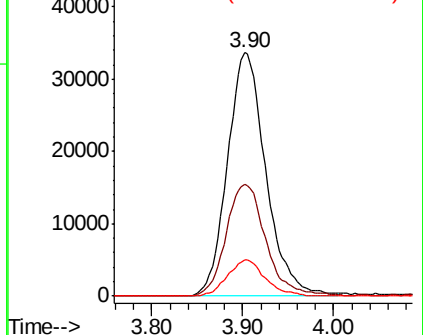
141 14.5 12.2 18.4

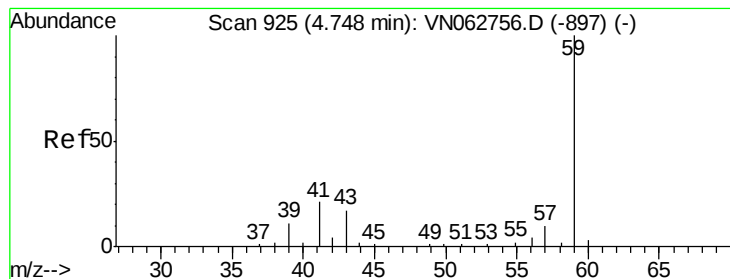


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



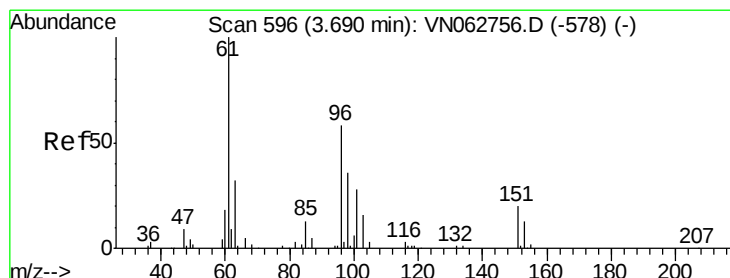
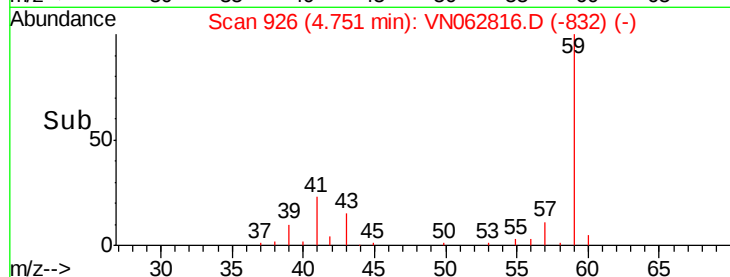
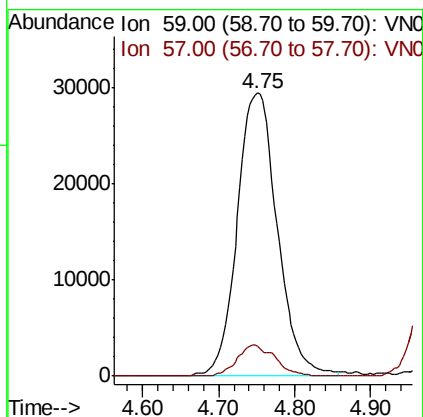
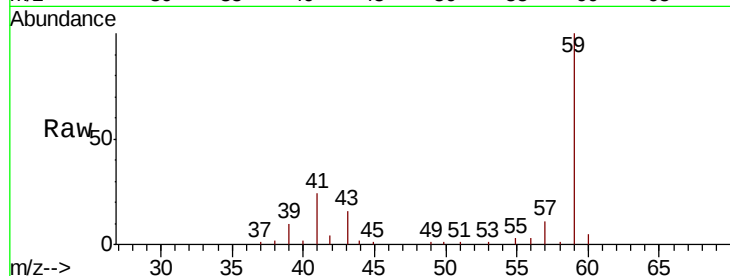


#11

Tert butyl alcohol
 Concen: 258.953 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

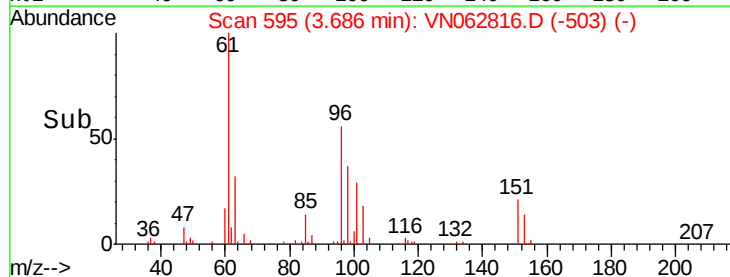
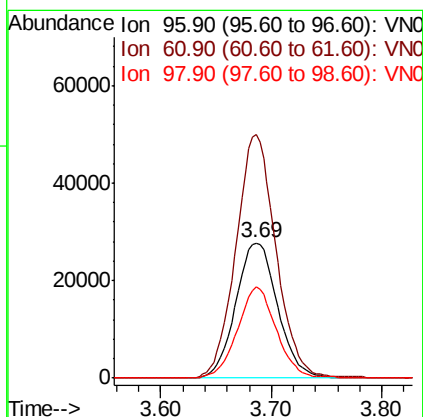
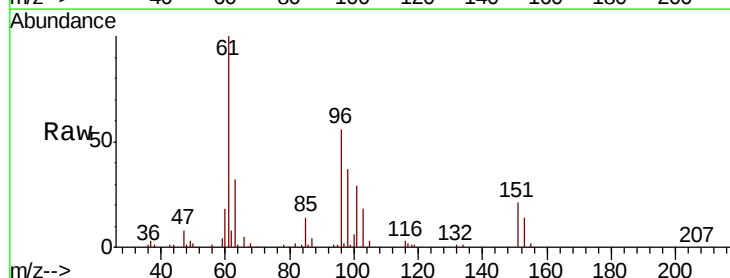
Tot Ion: 59 Resp: 108118
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5

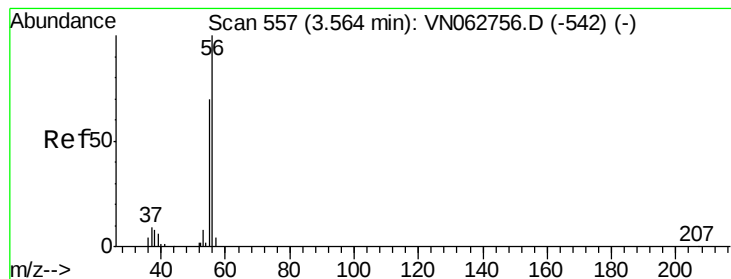


#12

1,1-Dichloroethene
 Concen: 55.454 ug/l
 RT: 3.69 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion: 96 Resp: 72582
 Ion Ratio Lower Upper
 96 100
 61 180.0 139.0 208.6
 98 67.1 50.2 75.4





#13

Acrolein

Concen: 306.997 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

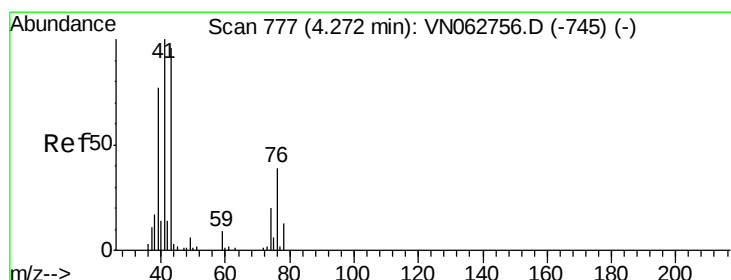
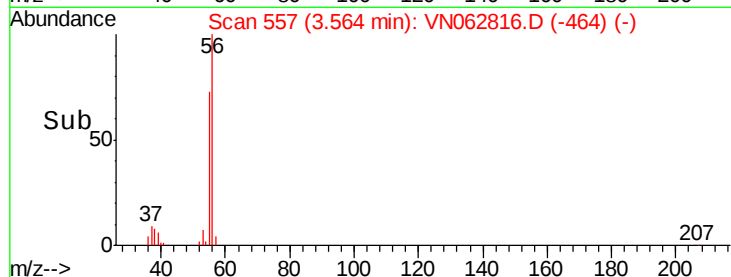
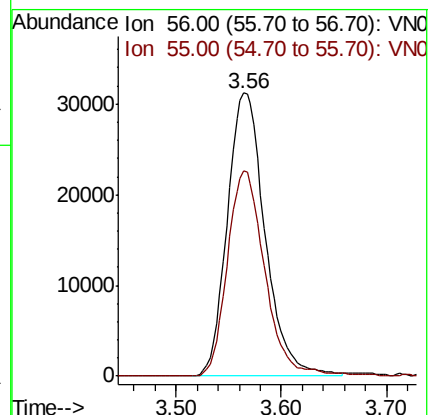
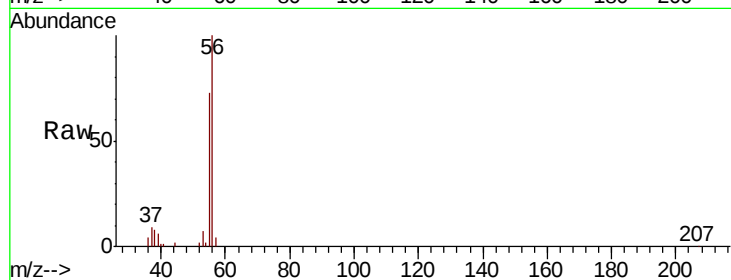
BP-VPB179-GW-498-500MSD

Tot Ion: 56 Resp: 77607

Ion Ratio Lower Upper

56 100

55 71.7 57.0 85.6



#14

Allyl chloride

Concen: 49.027 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

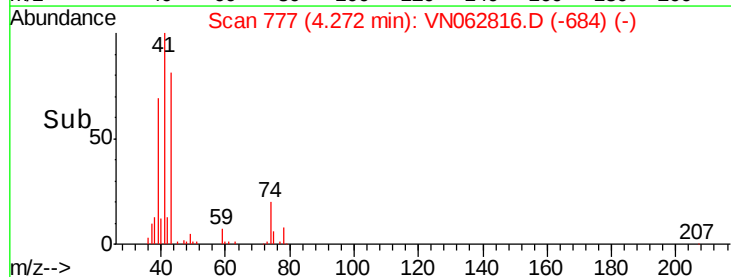
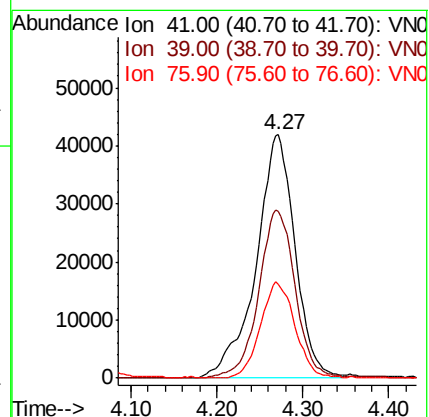
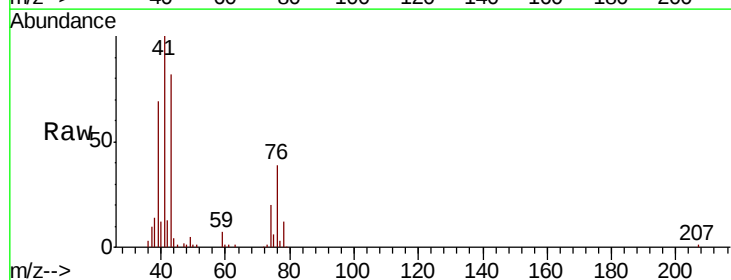
Tgt Ion: 41 Resp: 132227

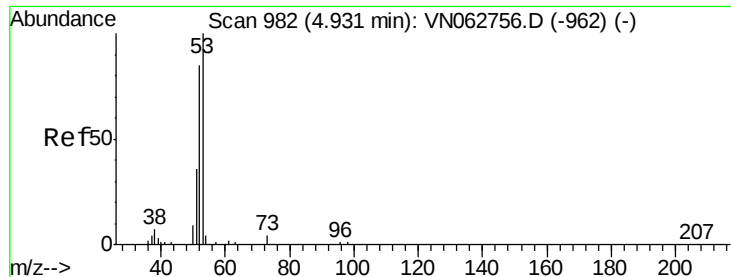
Ion Ratio Lower Upper

41 100

39 64.9 55.7 83.5

76 35.1 27.5 41.3





#15

Acrylonitrile

Concen: 266.079 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

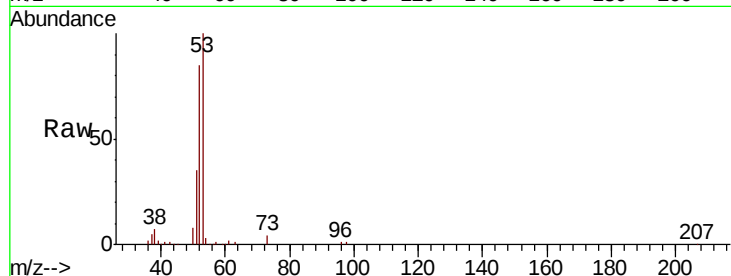
Tot Ion: 53 Resp: 257669

Ion Ratio Lower Upper

53 100

52 82.1 66.8 100.2

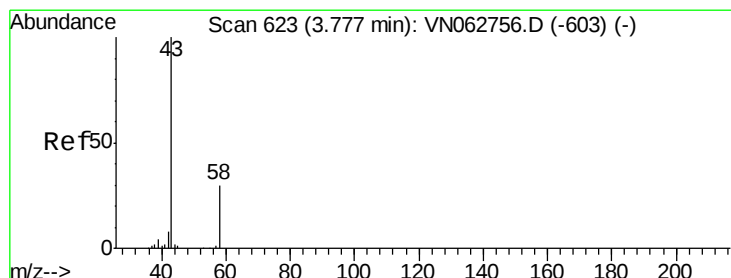
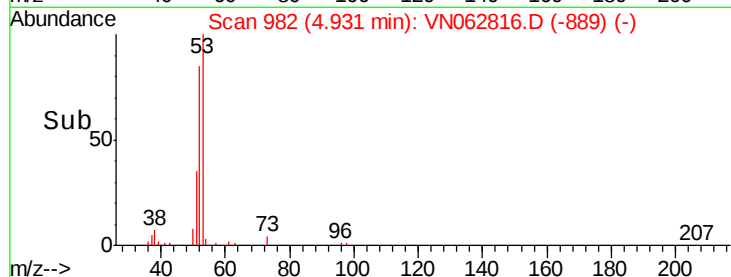
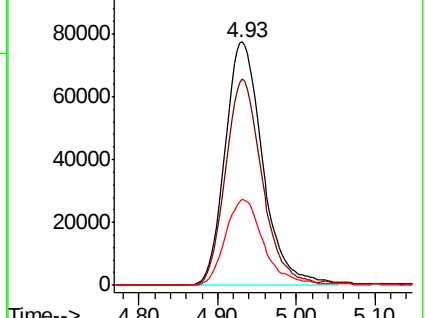
51 35.9 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN062816.D (-889) (-)

Ion 52.00 (51.70 to 52.70): VN062816.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VN062816.D (-889) (-)



#16

Acetone

Concen: 248.096 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062816.D

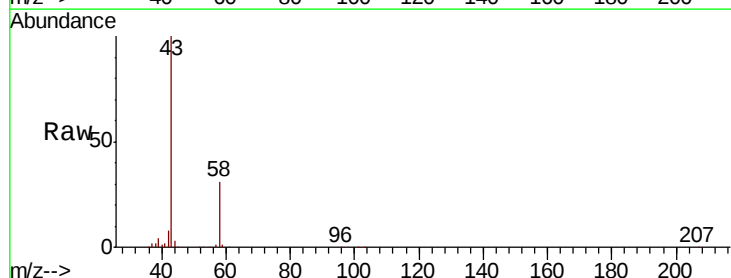
Acq: 10 Aug 2020 18:12

Tgt Ion: 43 Resp: 228369

Ion Ratio Lower Upper

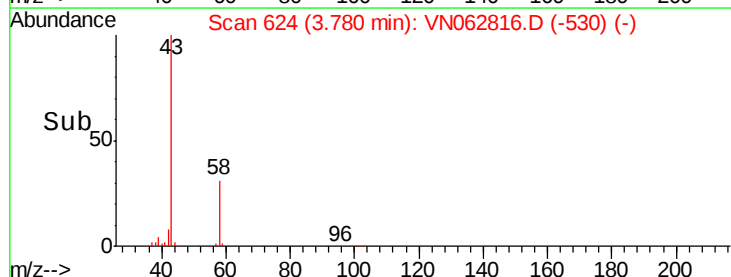
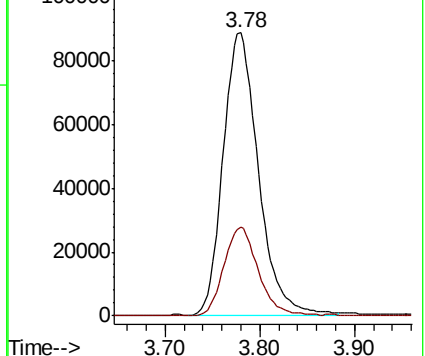
43 100

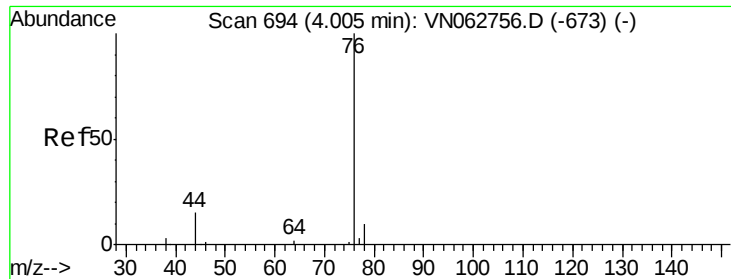
58 31.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062816.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN062816.D (-530) (-)

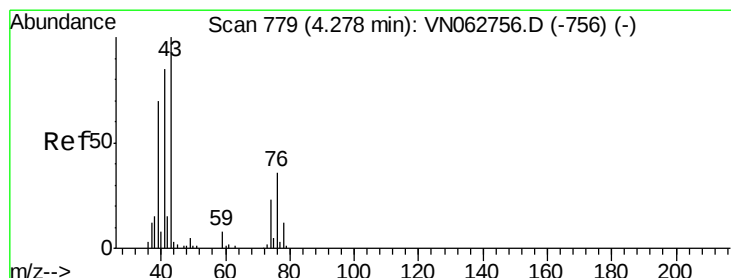
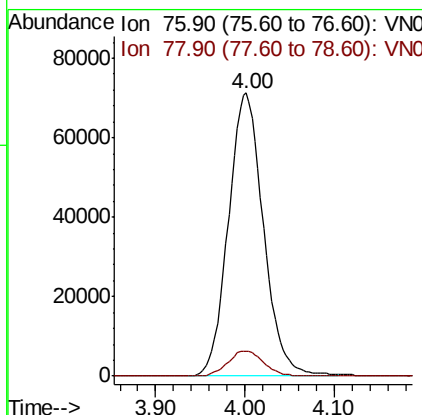
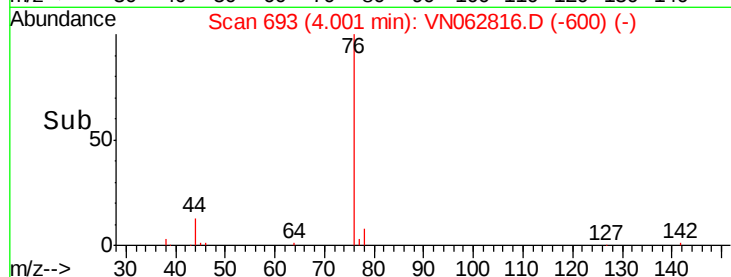
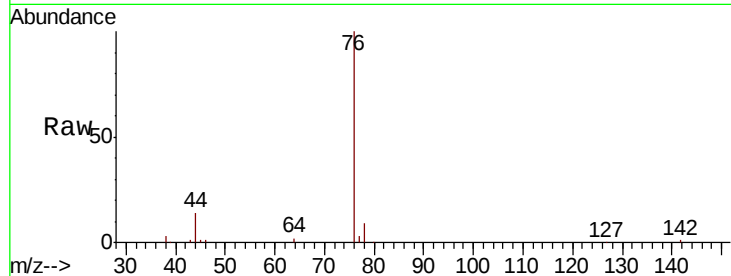




#17
Carbon Disulfide
Concen: 52.122 ug/l
RT: 4.00 min Scan# 693
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

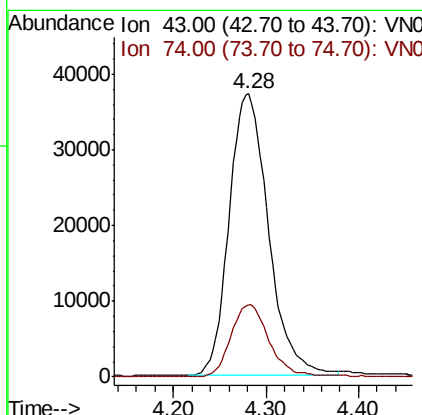
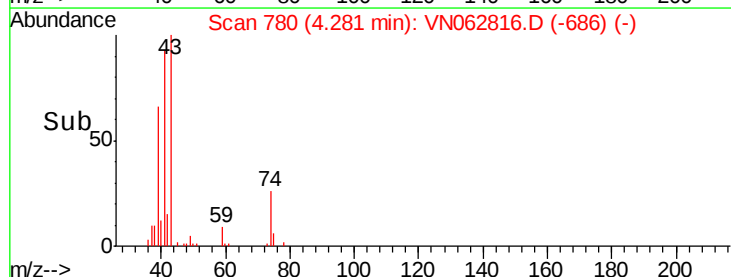
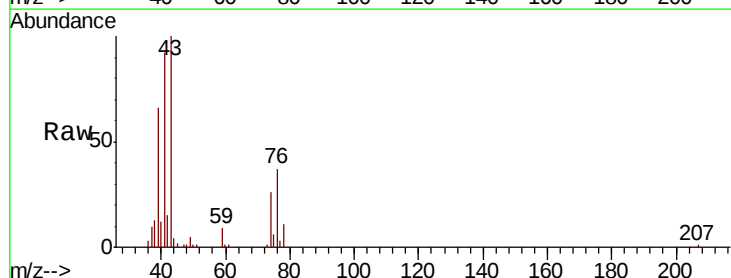
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

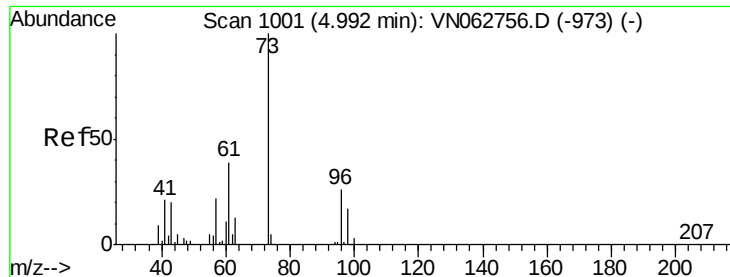
Tot Ion: 76 Resp: 193992
Ion Ratio Lower Upper
76 100
78 8.8 7.7 11.5



#18
Methyl Acetate
Concen: 50.370 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion: 43 Resp: 109643
Ion Ratio Lower Upper
43 100
74 24.7 18.6 28.0

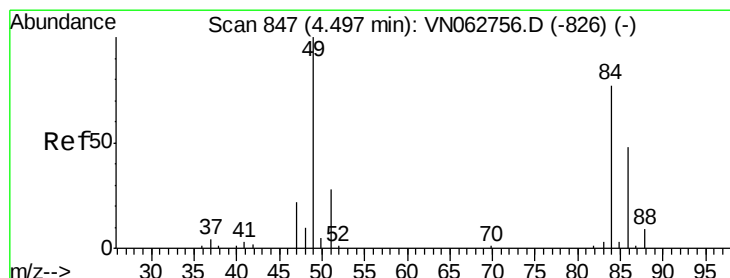
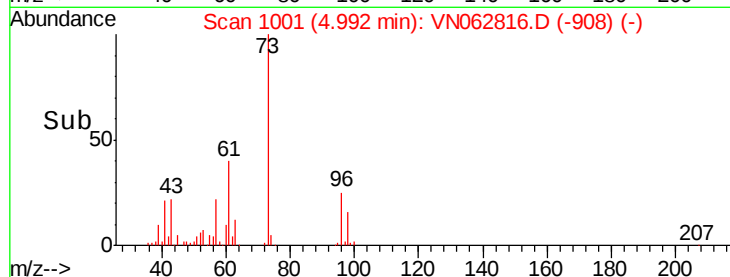
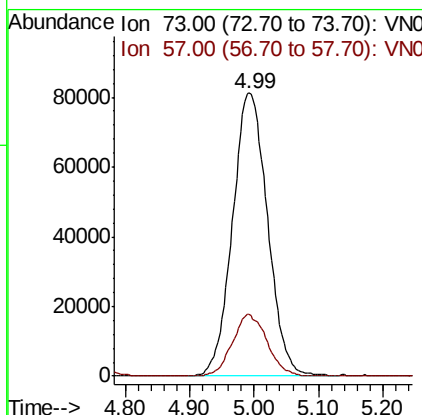
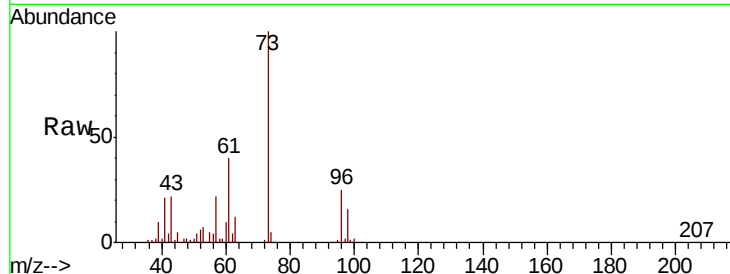




#19
Methvl tert-butvl Ether
Concen: 51.533 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

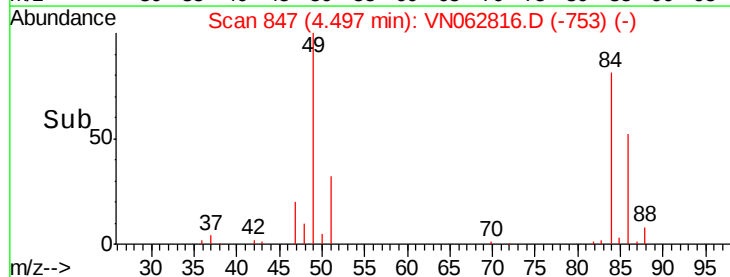
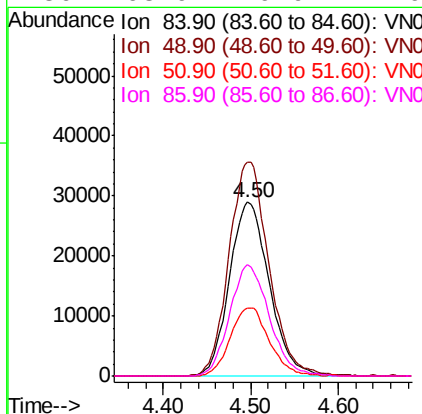
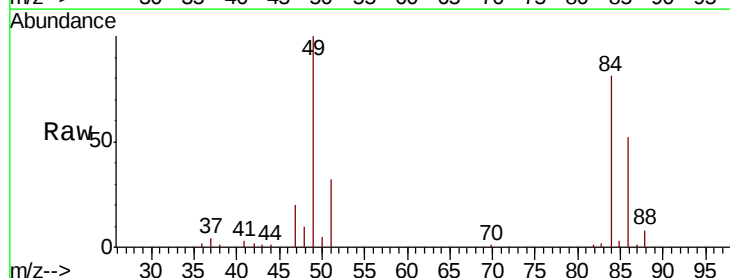
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

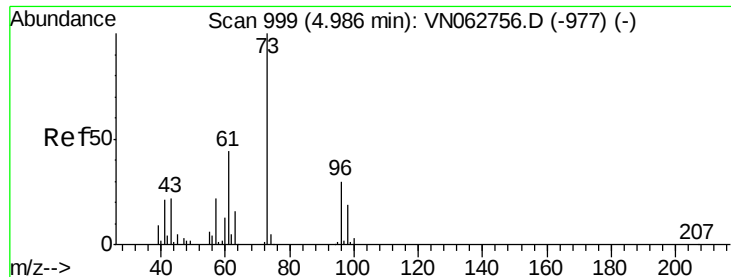
Tot Ion: 73 Resp: 307563
Ion Ratio Lower Upper
73 100
57 22.1 17.5 26.3



#20
Methylene Chloride
Concen: 54.469 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion: 84 Resp: 91641
Ion Ratio Lower Upper
84 100
49 123.0 103.4 155.2
51 38.8 29.3 43.9
86 63.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 47.221 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

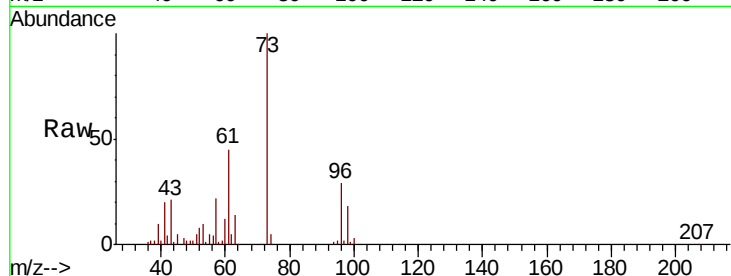
Tot Ion: 96 Resp: 72794

Ion Ratio Lower Upper

96 100

61 158.0 118.8 178.2

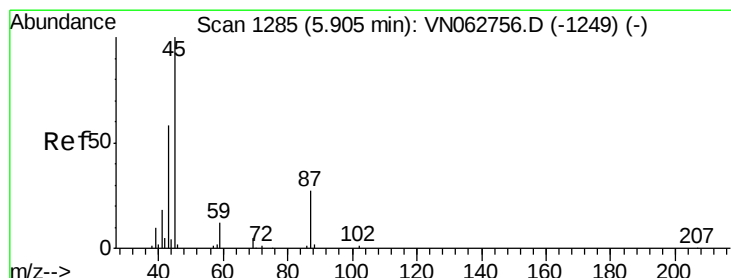
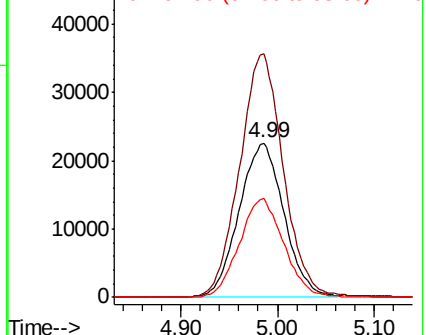
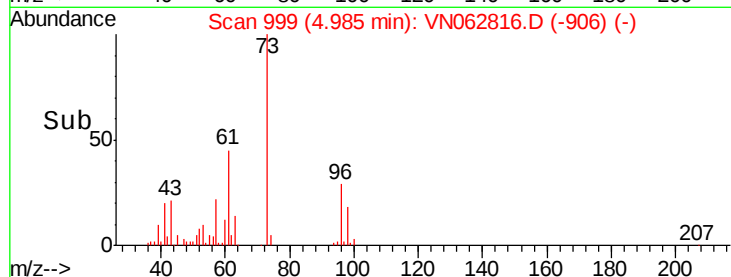
98 63.9 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN062816.D (-906) (-)

Ion 60.90 (60.60 to 61.60): VN062816.D (-906) (-)

Ion 97.90 (97.60 to 98.60): VN062816.D (-906) (-)



#22

Diisopropyl ether

Concen: 49.415 ug/l

RT: 5.90 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Tgt Ion: 45 Resp: 283708

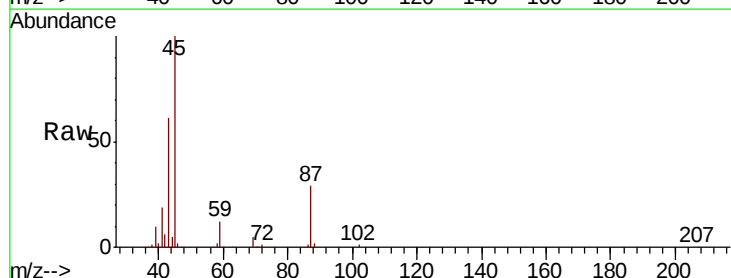
Ion Ratio Lower Upper

45 100

43 59.1 47.4 71.2

87 29.4 22.8 34.2

59 12.3 9.9 14.9

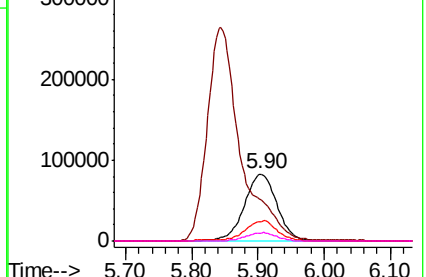
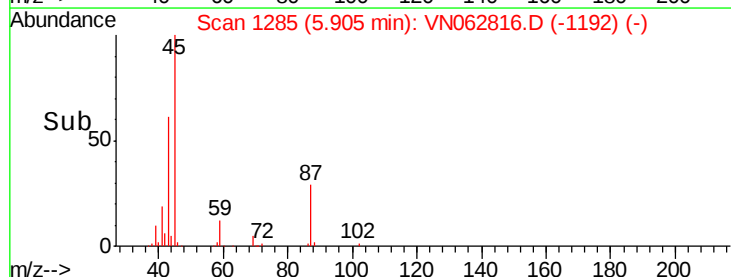


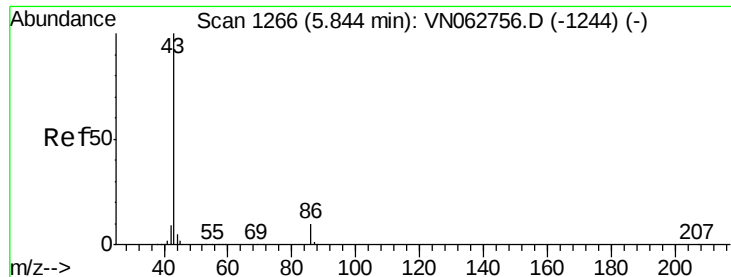
Abundance Ion 45.00 (44.70 to 45.70): VN062816.D (-1192) (-)

Ion 43.00 (42.70 to 43.70): VN062816.D (-1192) (-)

Ion 87.00 (86.70 to 87.70): VN062816.D (-1192) (-)

Ion 59.00 (58.70 to 59.70): VN062816.D (-1192) (-)





#23

Vinyl Acetate

Concen: 211.358 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

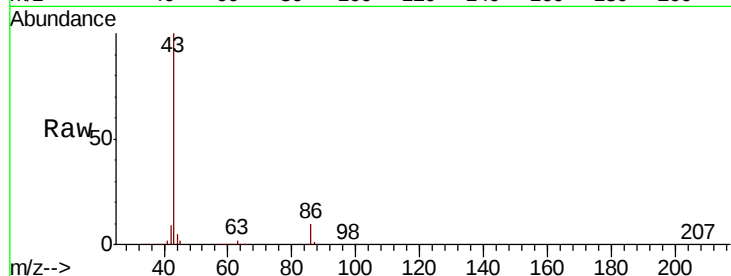
BP-VPB179-GW-498-500MSD

Tot Ion: 43 Resp: 923002

Ion Ratio Lower Upper

43 100

86 10.2 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN062816.D (-1173) (-)

Ion 86.00 (85.70 to 86.70): VN062816.D (-1173) (-)

5.84

300000

250000

200000

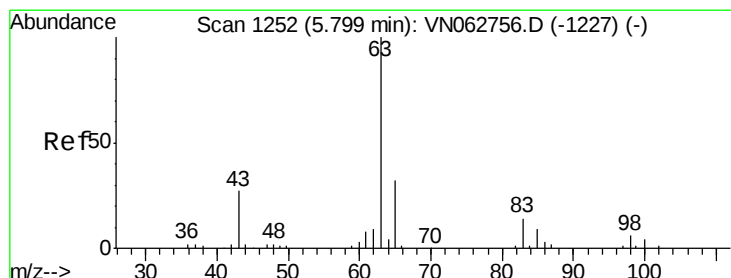
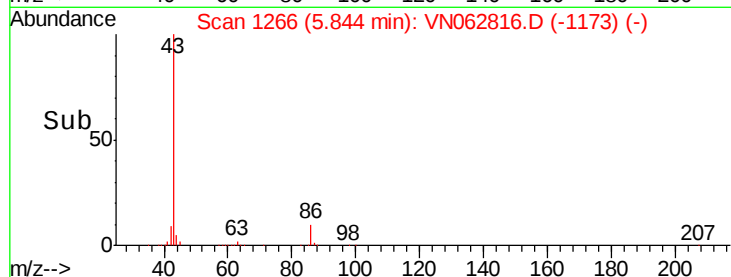
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 47.236 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

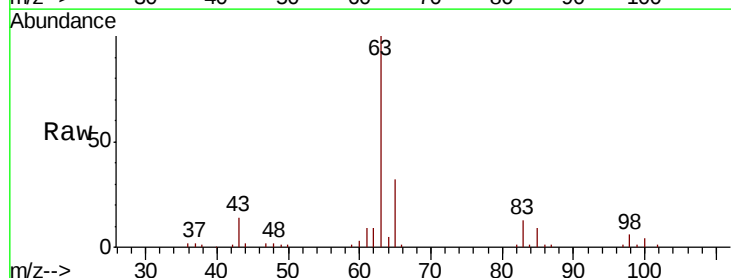
Tgt Ion: 63 Resp: 158930

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 4.2 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN062816.D (-1159) (-)

Ion 97.90 (97.60 to 98.60): VN062816.D (-1159) (-)

Ion 99.90 (99.60 to 100.60): VN062816.D (-1159) (-)

5.80

60000

50000

40000

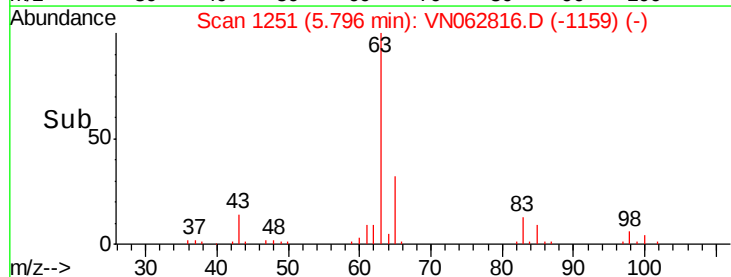
30000

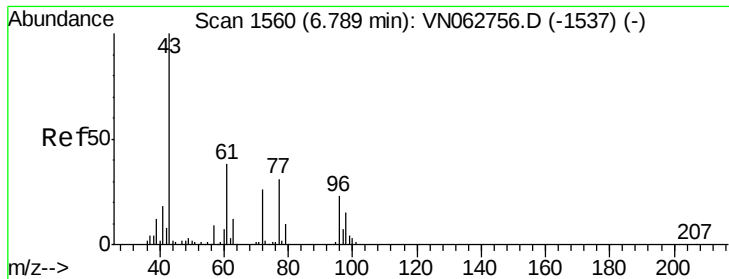
20000

10000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 243.973 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

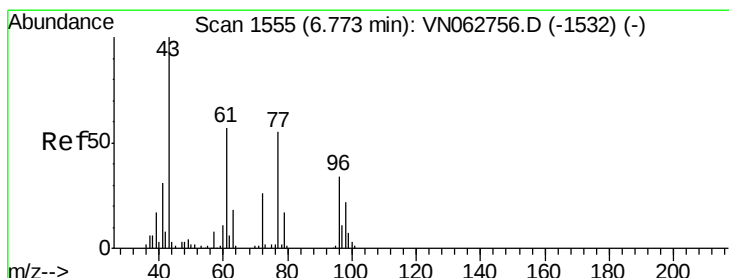
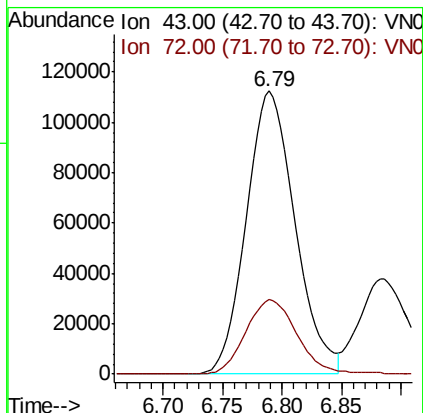
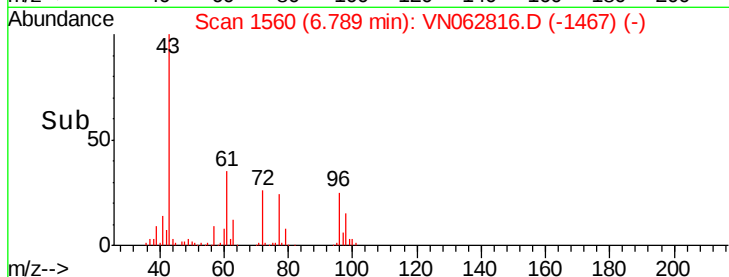
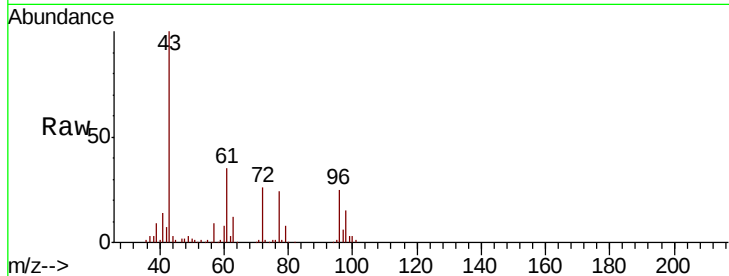
BP-VPB179-GW-498-500MSD

Tot Ion: 43 Resp: 318065

Ion Ratio Lower Upper

43 100

72 26.3 21.1 31.7



#26

2,2-Dichloropropane

Concen: 36.417 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062816.D

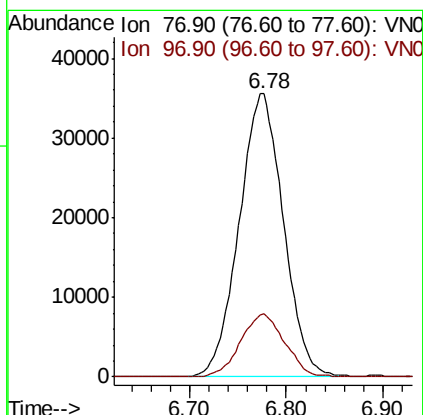
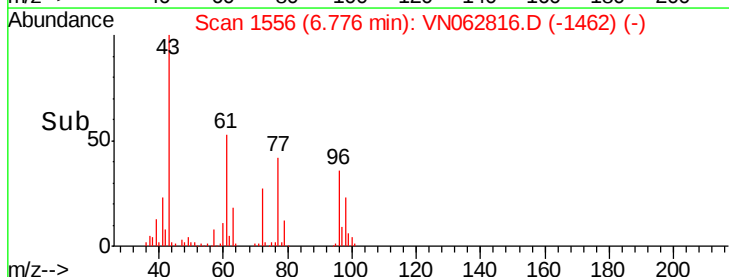
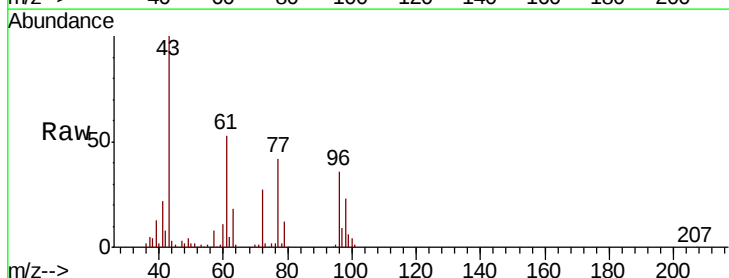
Acq: 10 Aug 2020 18:12

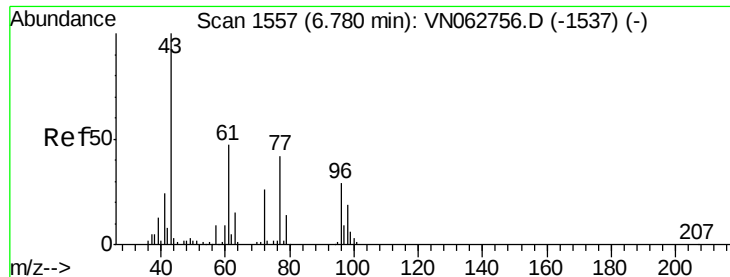
Tgt Ion: 77 Resp: 112945

Ion Ratio Lower Upper

77 100

97 22.2 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 49.250 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

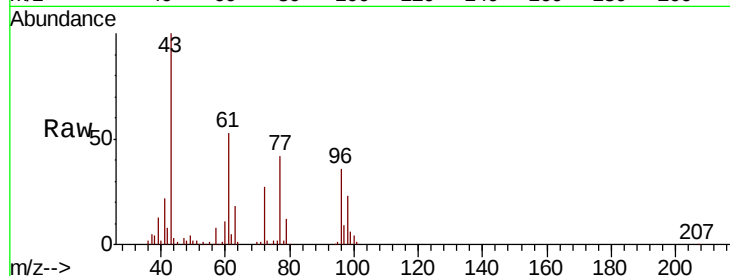
Tot Ion: 96 Resp: 91076

Ion Ratio Lower Upper

96 100

61 148.5 0.0 332.2

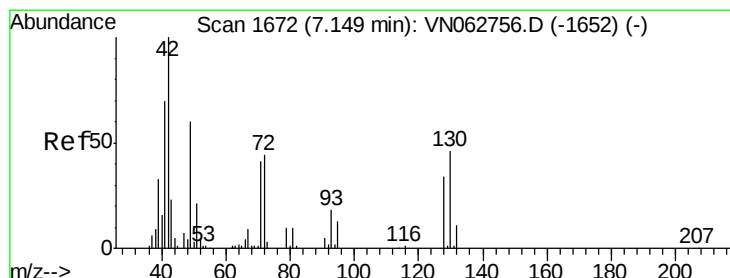
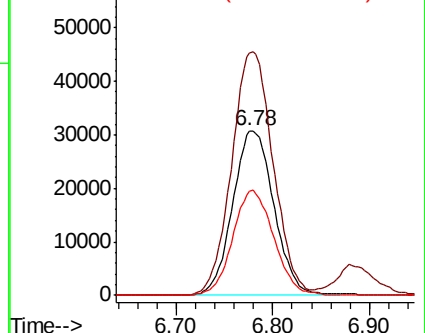
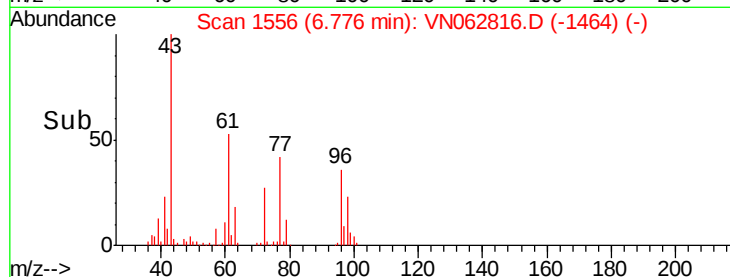
98 63.7 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062816.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN062816.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN062816.D (-1464) (-)



#28

Bromochloromethane

Concen: 48.825 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

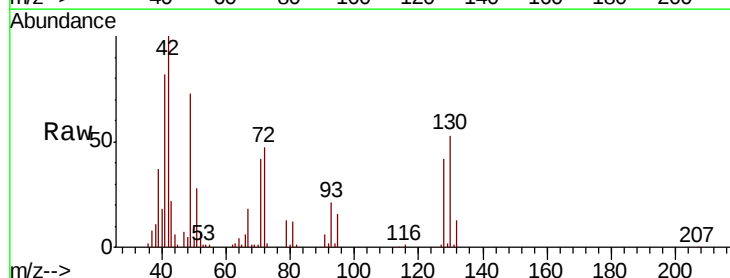
Tgt Ion: 49 Resp: 79284

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.2

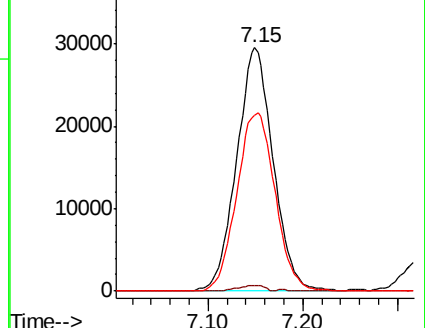
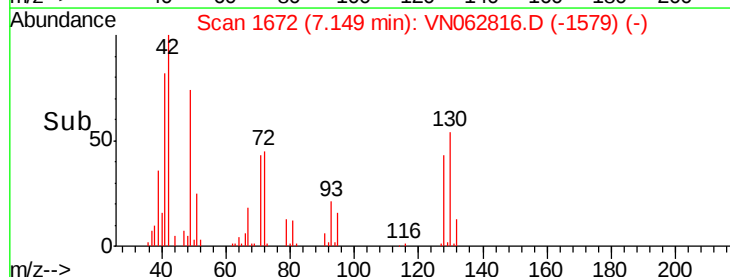
130 76.7 59.0 88.6

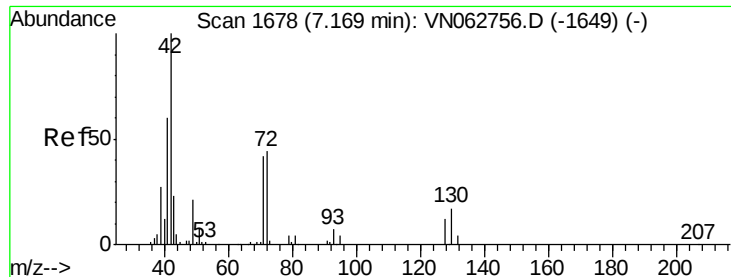


Abundance Ion 48.90 (48.60 to 49.60): VN062816.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN062816.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN062816.D (-1579) (-)

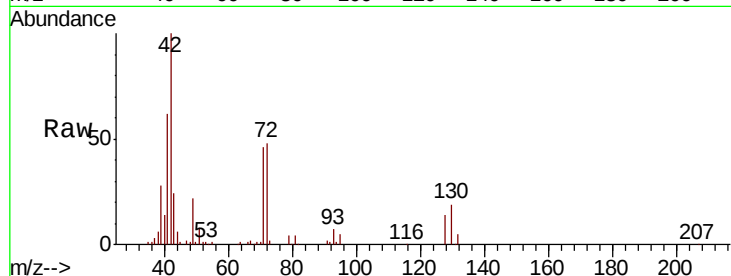




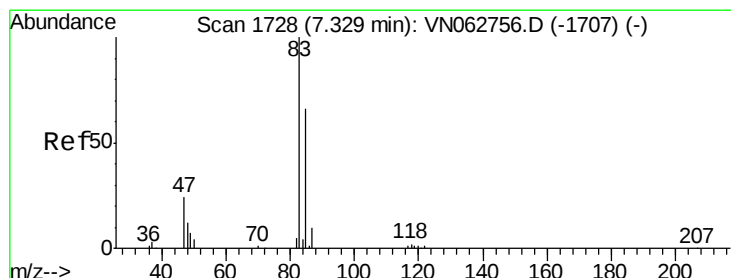
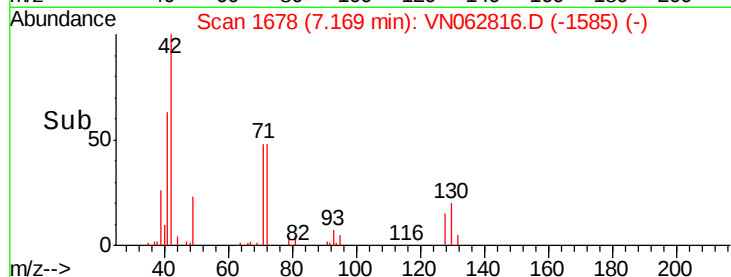
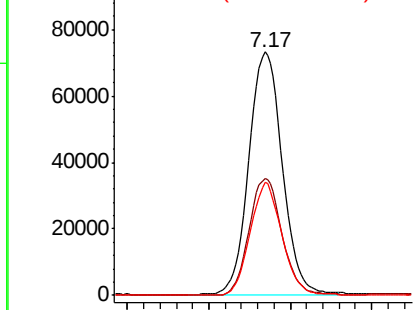
#29
Tetrahydrofuran
Concen: 246.536 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	35.0	52.4
71	43.7	33.2	49.8

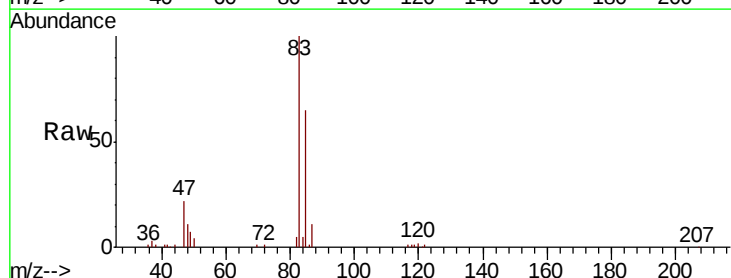


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

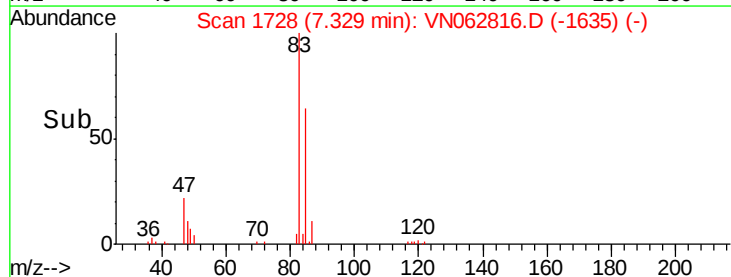
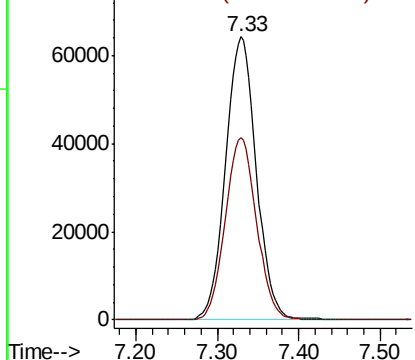


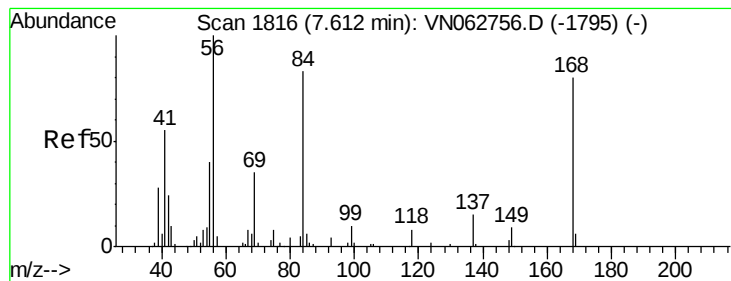
#30
Chloroform
Concen: 47.546 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.7	79.1



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





#31

Cyclohexane

Concen: 46.860 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

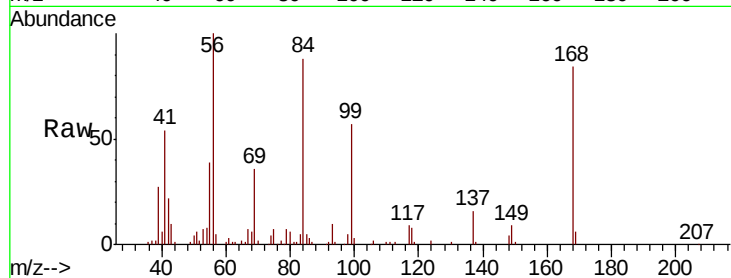
Tot Ion: 56 Resp: 144728

Ion Ratio Lower Upper

56 100

69 35.9 28.1 42.1

84 87.0 66.8 100.2

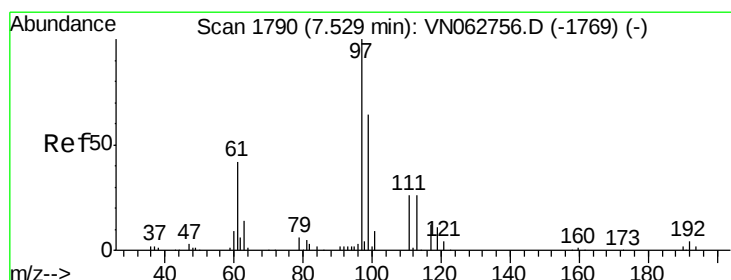
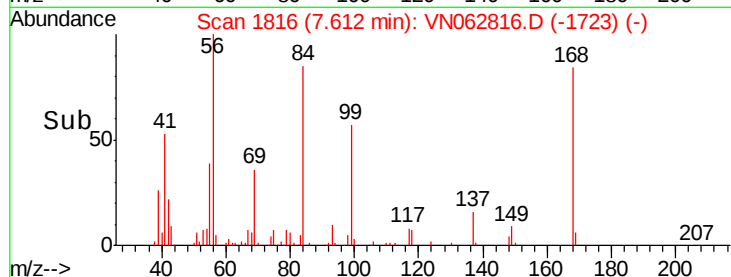
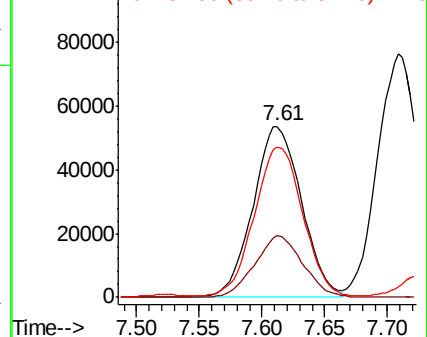


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 47.757 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

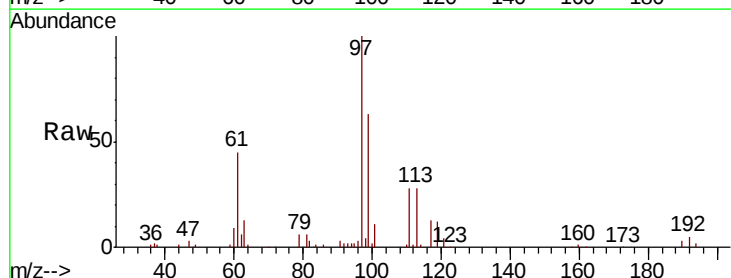
Tgt Ion: 97 Resp: 152675

Ion Ratio Lower Upper

97 100

99 64.0 50.0 75.0

61 43.0 34.8 52.2

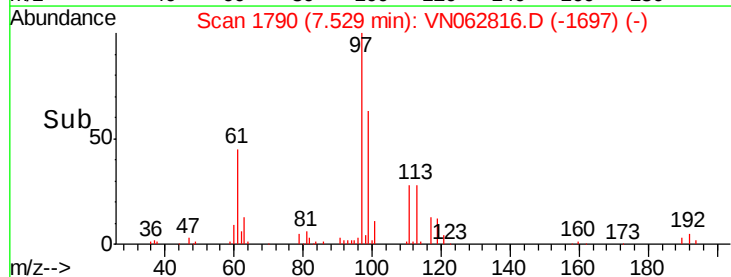
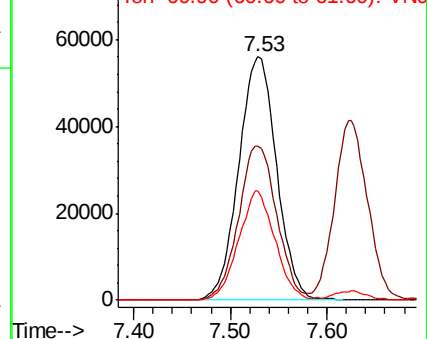


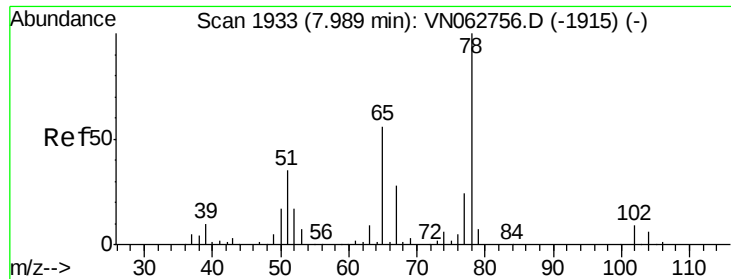
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.906 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

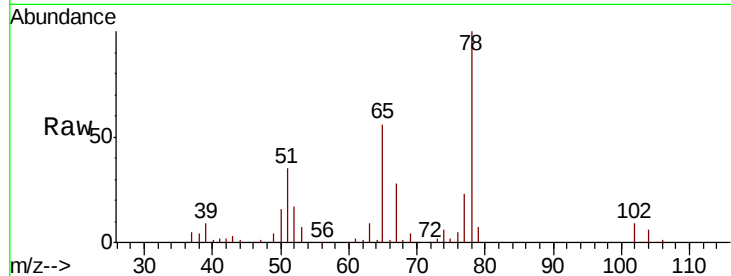
BP-VPB179-GW-498-500MSD

Tot Ion: 65 Resp: 124584

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN062816.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062816.D (-1840) (-)

7.99

60000

50000

40000

30000

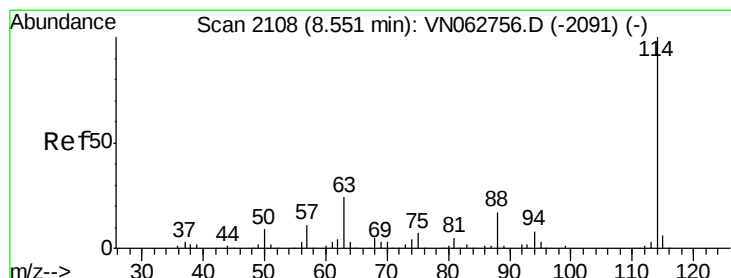
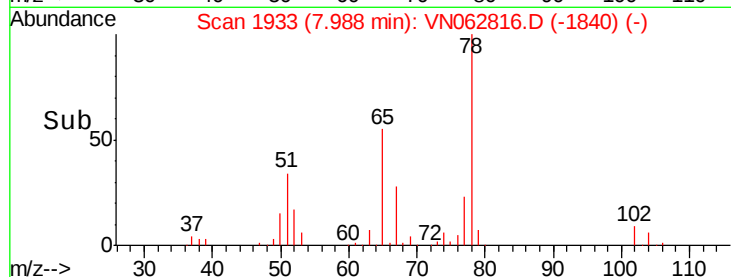
20000

10000

0

7.90 7.95 8.00 8.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

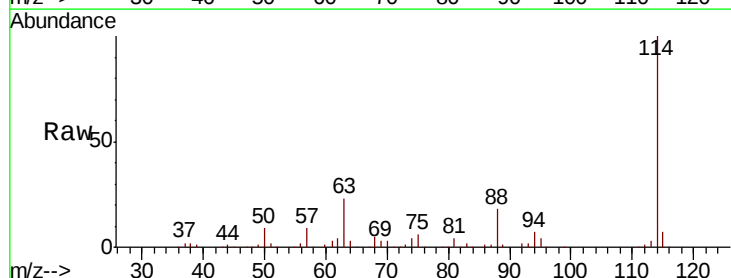
Tgt Ion: 114 Resp: 256015

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.6

88 17.7 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VN062816.D (-2155) (-)

Ion 63.00 (62.70 to 63.70): VN062816.D (-2155) (-)

Ion 87.90 (87.60 to 88.60): VN062816.D (-2155) (-)

8.55

150000

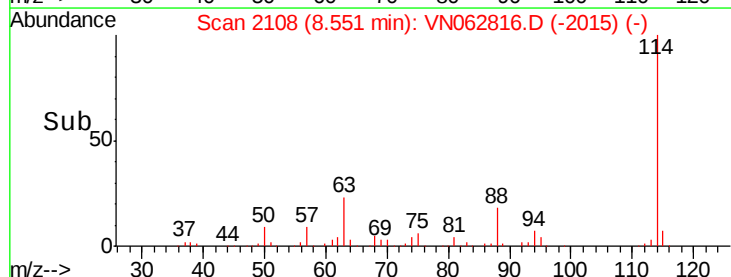
100000

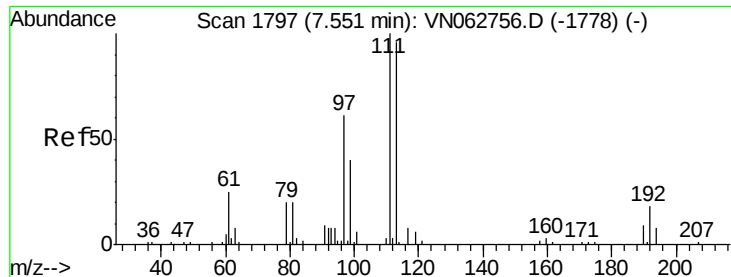
50000

0

8.45 8.50 8.55 8.60 8.65

Time-->

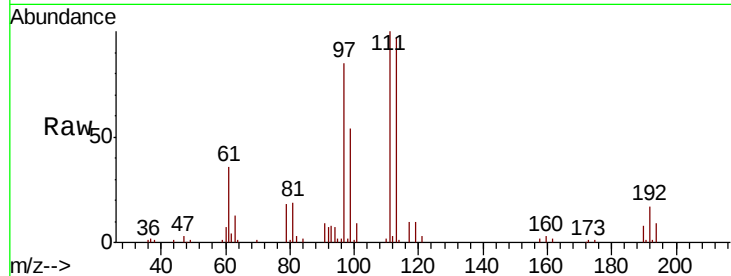




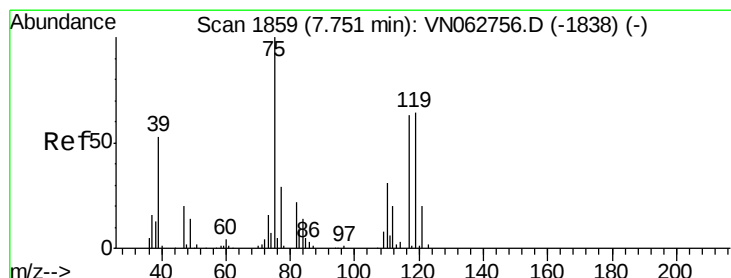
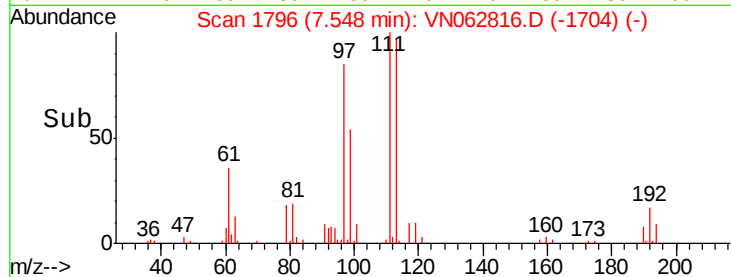
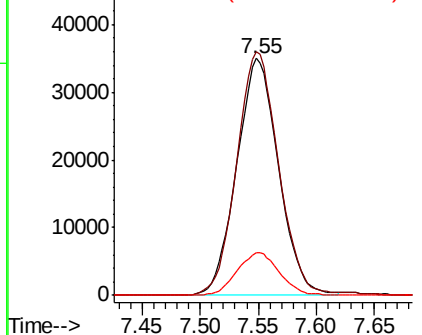
#35
 Dibromofluoromethane
 Concen: 50.176 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion:113 Resp: 87872
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.8 122.6
 192 18.1 15.0 22.4

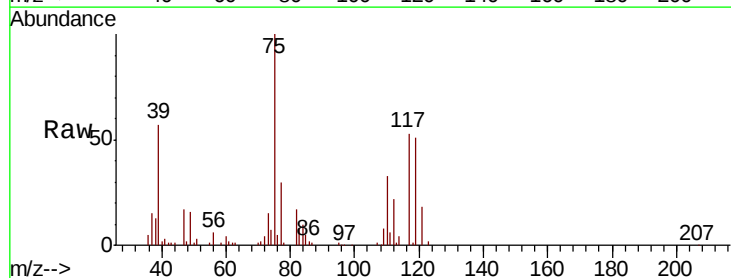


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

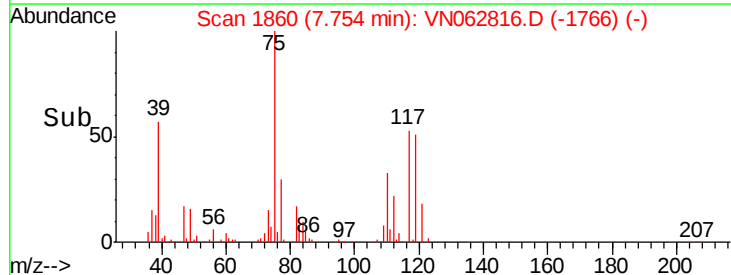
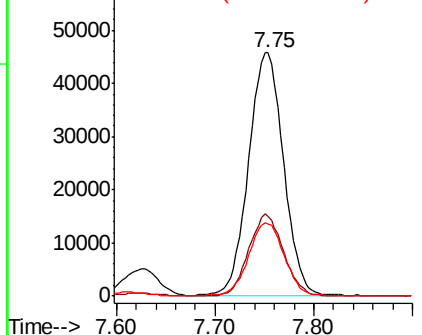


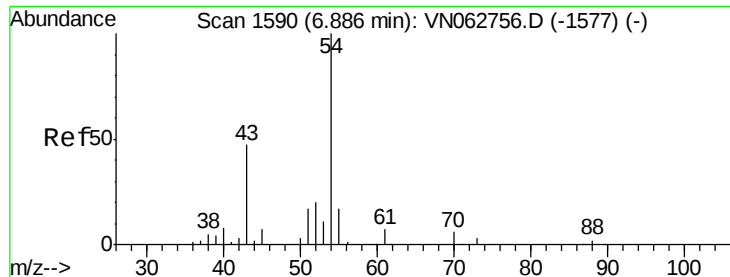
#36
 1,1-Dichloropropene
 Concen: 45.132 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion: 75 Resp: 112508
 Ion Ratio Lower Upper
 75 100
 110 33.1 15.6 46.7
 77 30.8 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

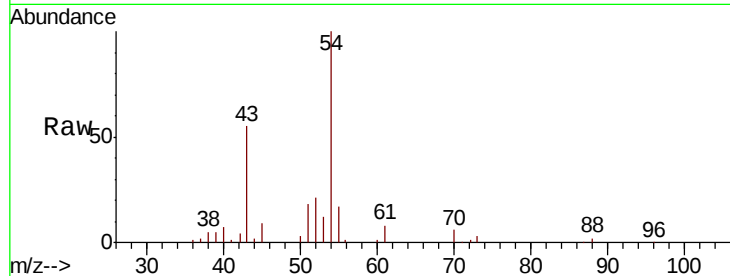




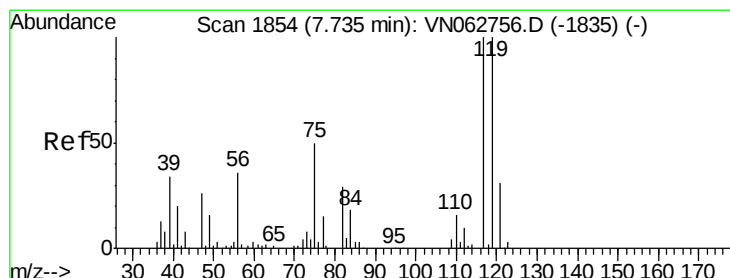
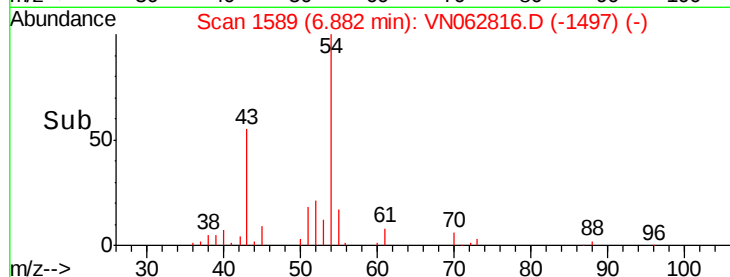
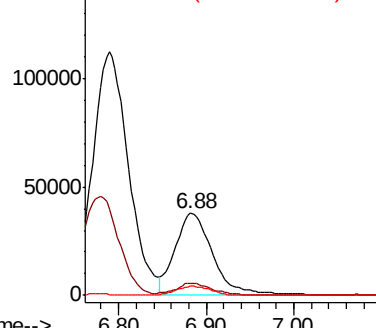
#37
Ethyl Acetate
Concen: 42.751 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion: 43 Resp: 111326
Ion Ratio Lower Upper
43 100
61 14.9 12.1 18.1
70 10.5 8.3 12.5

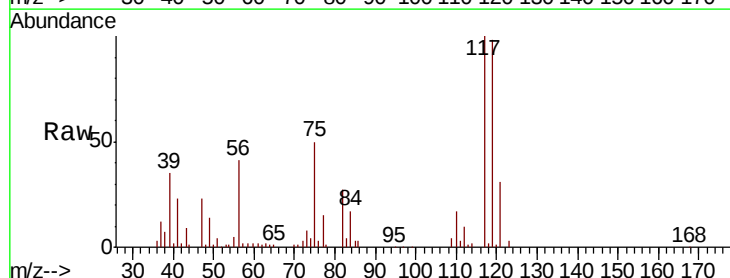


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

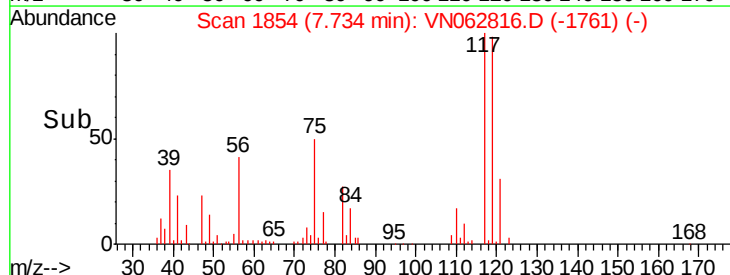
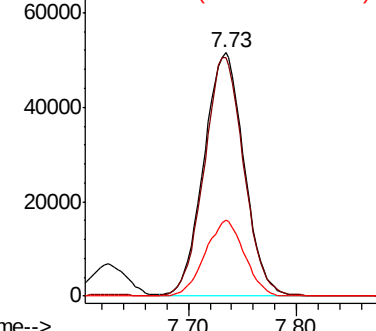


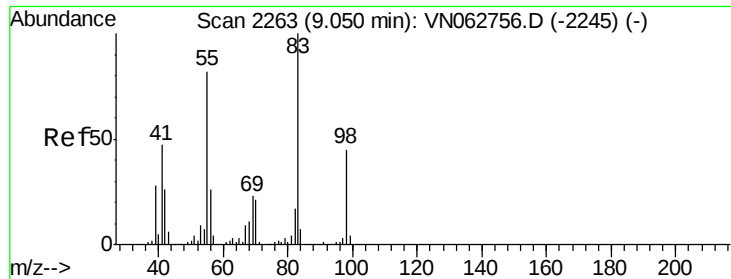
#38
Carbon Tetrachloride
Concen: 45.384 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion: 117 Resp: 133806
Ion Ratio Lower Upper
117 100
119 97.8 79.4 119.2
121 31.2 24.9 37.3



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

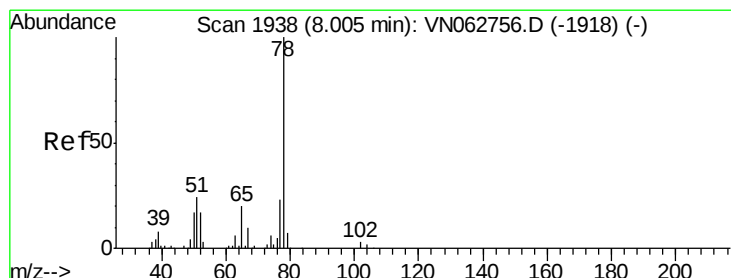
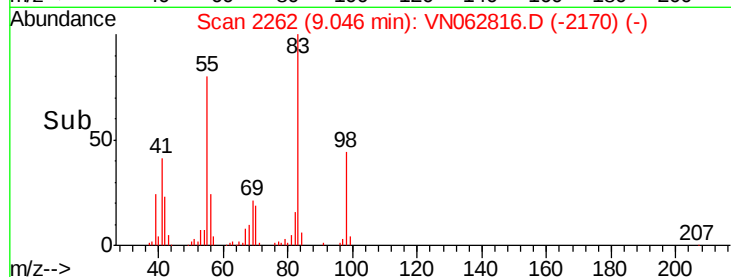
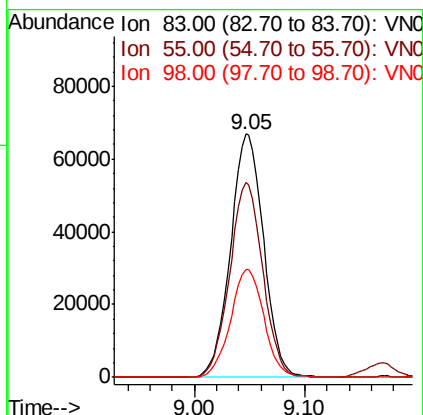
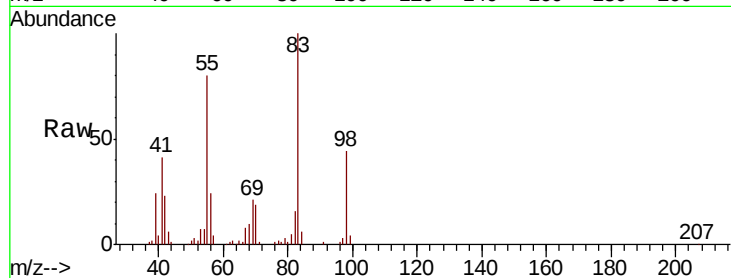




#39
Methvlcvclohexane
Concen: 46.385 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

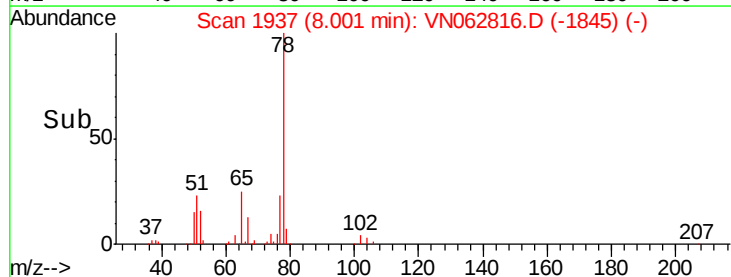
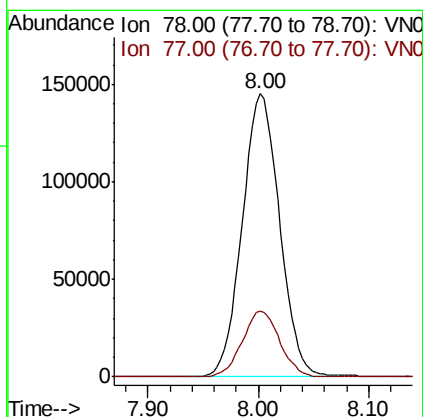
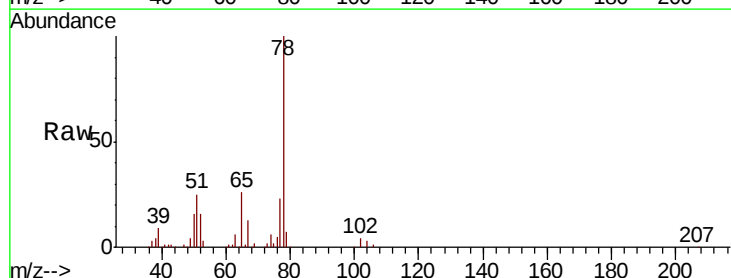
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

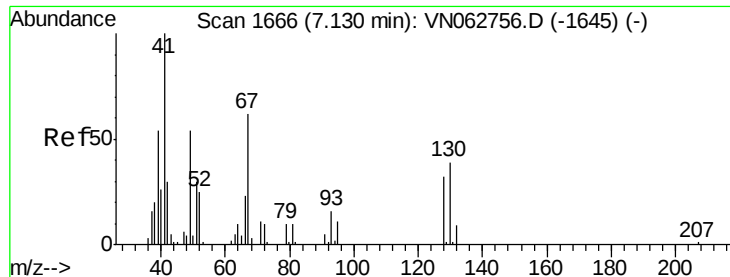
Tot Ion	83	Resp	139156
Ion Ratio	Lower	Upper	
83	100		
55	80.1	65.7	98.5
98	44.4	35.6	53.4



#40
Benzene
Concen: 45.832 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion	78	Resp	340928
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.1	27.1

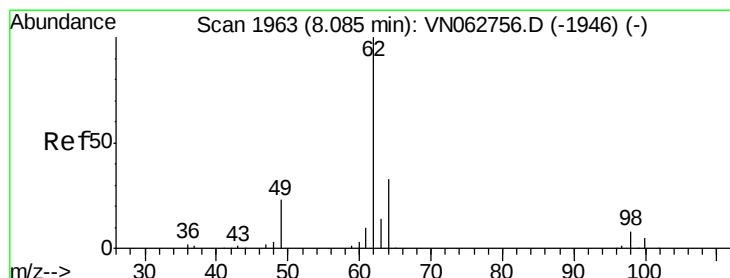
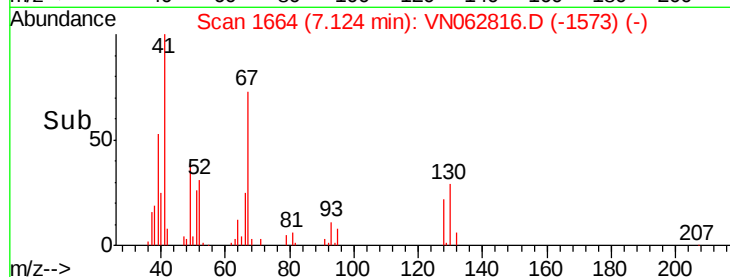
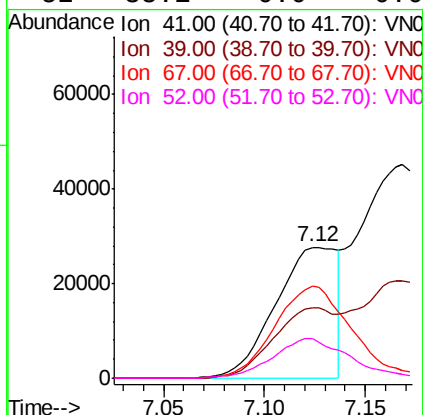
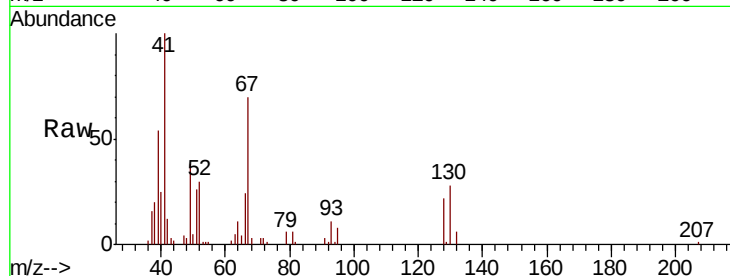




#41
Methacrylonitrile
Concen: 50.068 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

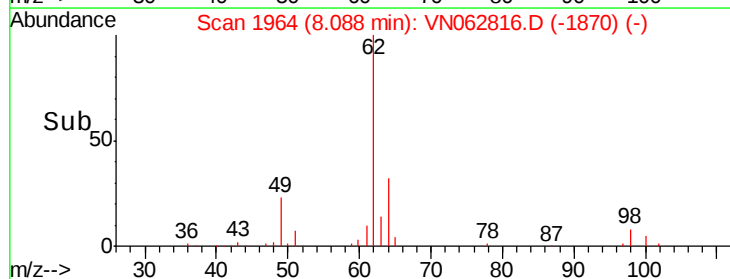
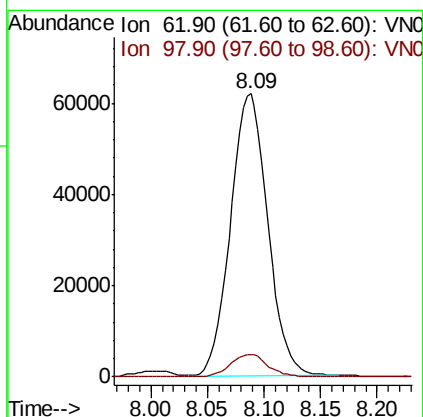
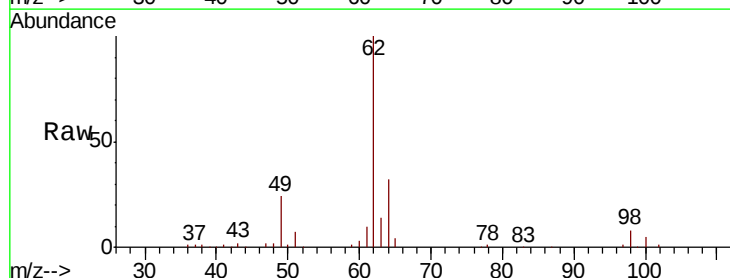
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

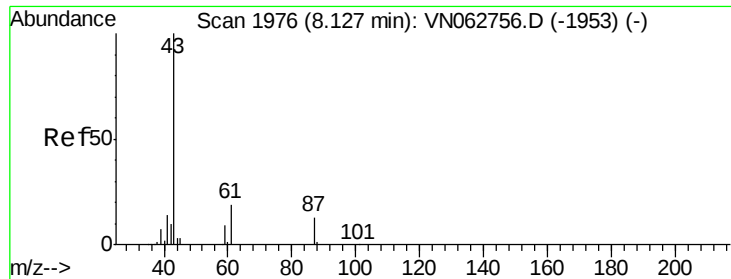
Tot Ion: 41 Resp: 58832
Ion Ratio Lower Upper
41 100
39 53.9 69.4 104.2#
67 88.5 0.0 0.0#
52 38.1 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 44.860 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion: 62 Resp: 142030
Ion Ratio Lower Upper
62 100
98 8.0 0.0 15.8





#43

Isopropyl Acetate

Concen: 43.753 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

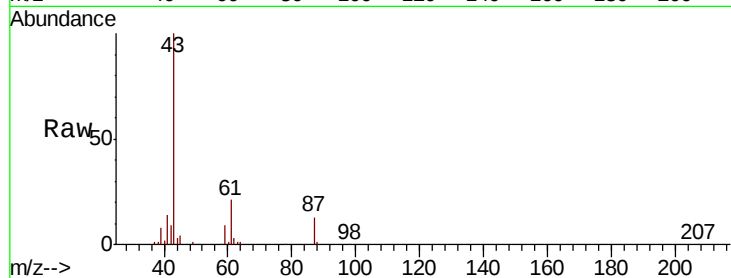
Tot Ion: 43 Resp: 190038

Ion Ratio Lower Upper

43 100

61 20.5 15.8 23.6

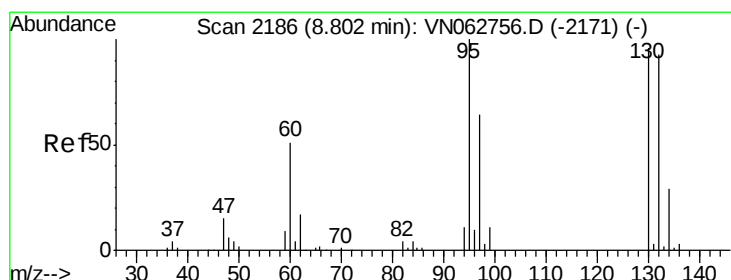
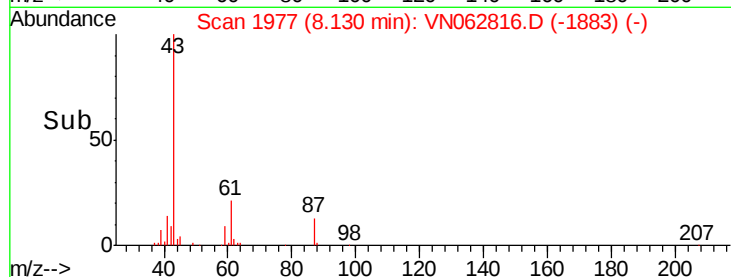
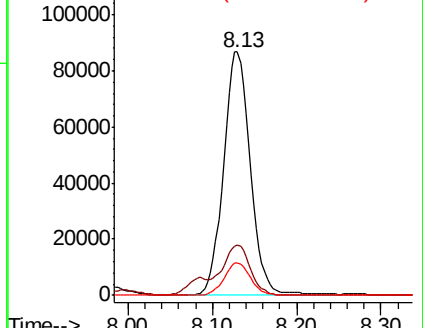
87 13.1 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VN062816.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN062816.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN062816.D (-1953) (-)



#44

Trichloroethene

Concen: 45.768 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062816.D

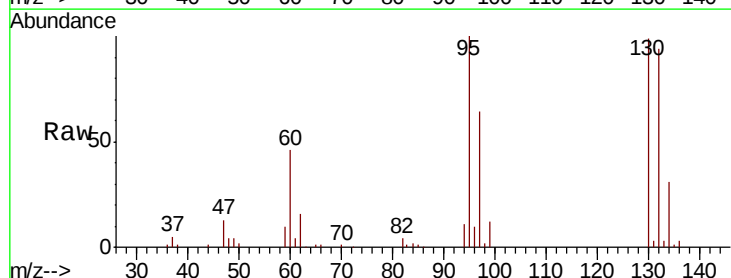
Acq: 10 Aug 2020 18:12

Tgt Ion:130 Resp: 82946

Ion Ratio Lower Upper

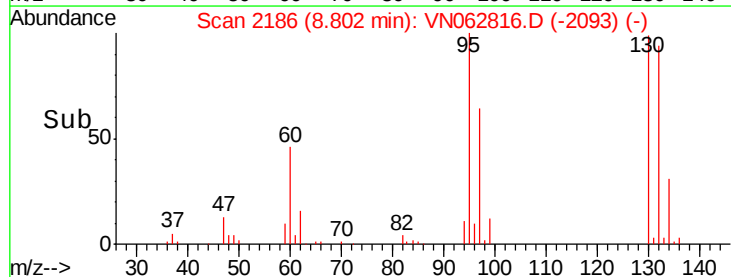
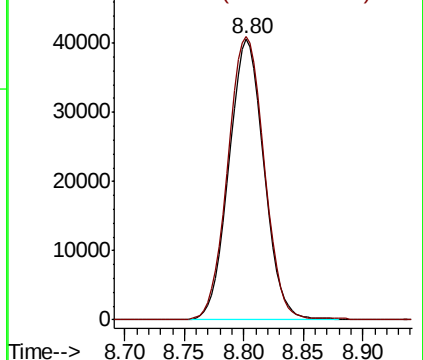
130 100

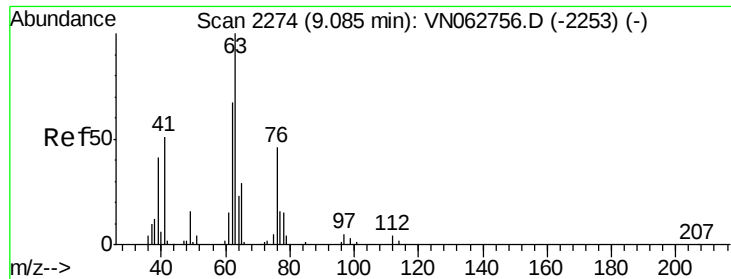
95 100.6 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): VN062816.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062816.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 46.859 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

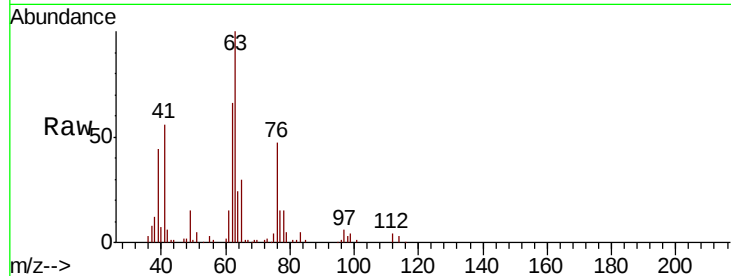
BP-VPB179-GW-498-500MSD

Tot Ion: 63 Resp: 94341

Ion Ratio Lower Upper

63 100

65 30.4 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.08

50000

40000

30000

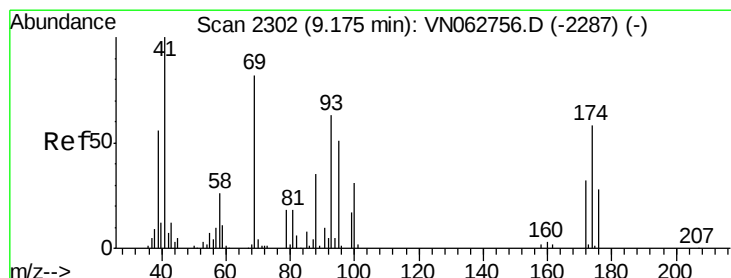
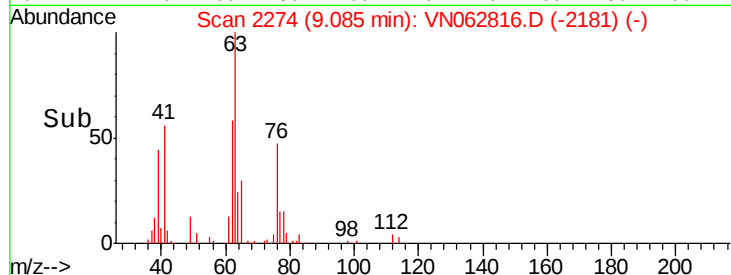
20000

10000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 47.050 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

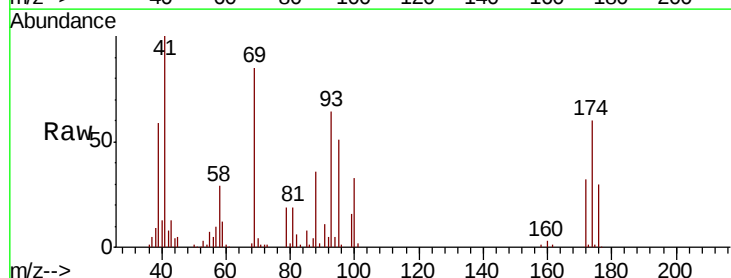
Tgt Ion: 93 Resp: 62066

Ion Ratio Lower Upper

93 100

95 81.9 65.1 97.7

174 95.4 73.9 110.9



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.17

40000

30000

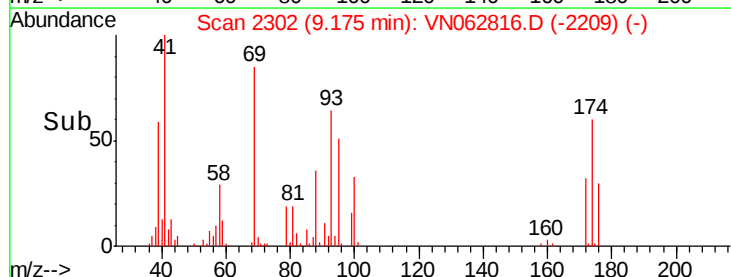
20000

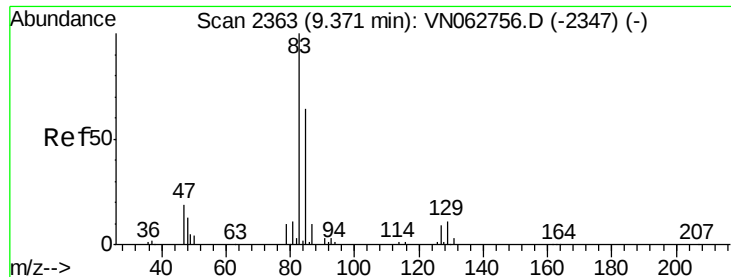
10000

0

Time-->

9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 47.276 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

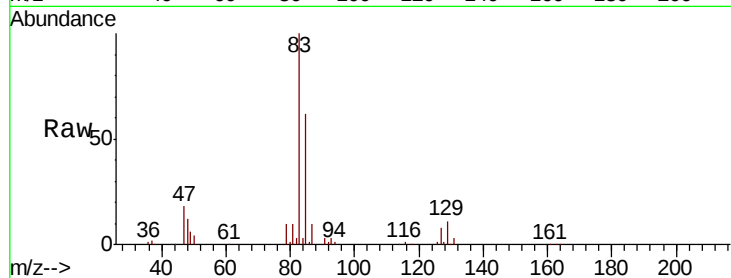
Tot Ion: 83 Resp: 140066

Ion Ratio Lower Upper

83 100

85 62.4 51.4 77.0

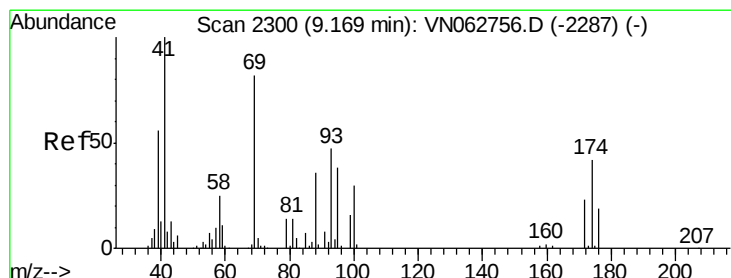
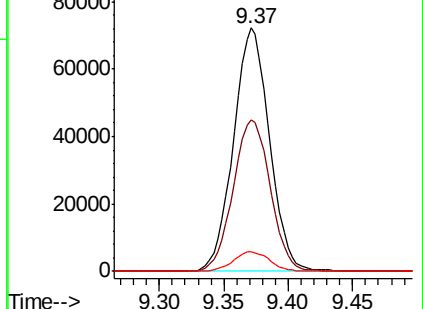
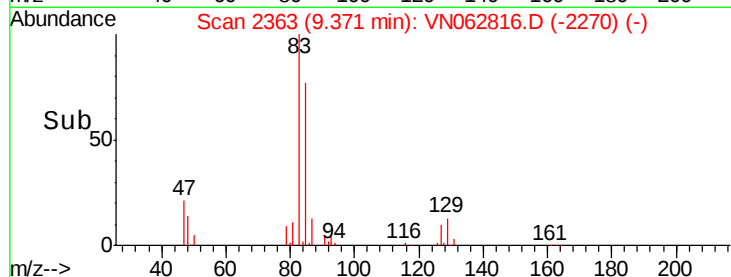
127 7.9 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN062816.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062816.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062816.D (-2270) (-)



#48

Methyl methacrylate

Concen: 46.267 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

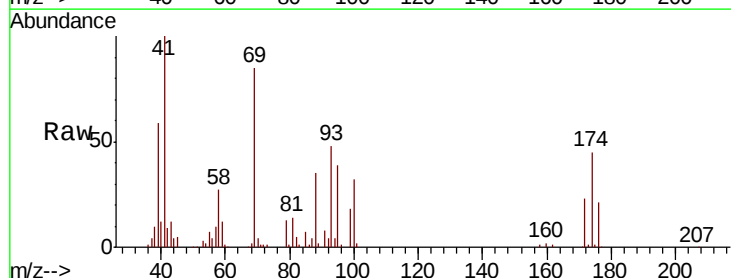
Tgt Ion: 41 Resp: 98844

Ion Ratio Lower Upper

41 100

69 88.4 67.4 101.2

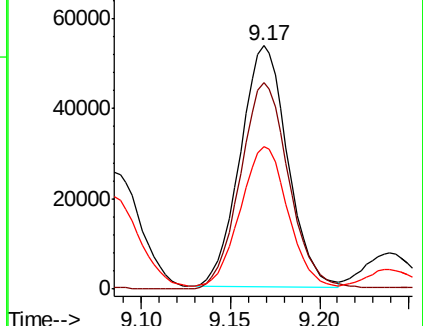
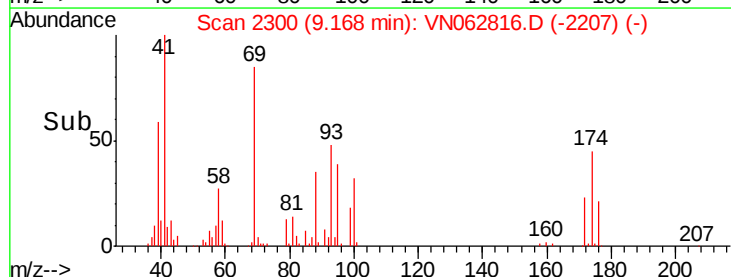
39 60.4 47.6 71.4

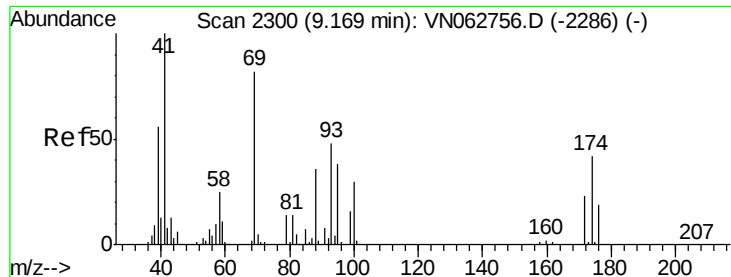


Abundance Ion 41.00 (40.70 to 41.70): VN062816.D (-2207) (-)

Ion 69.00 (68.70 to 69.70): VN062816.D (-2207) (-)

Ion 39.00 (38.70 to 39.70): VN062816.D (-2207) (-)

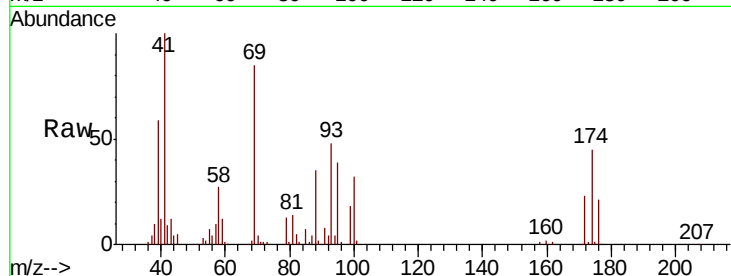




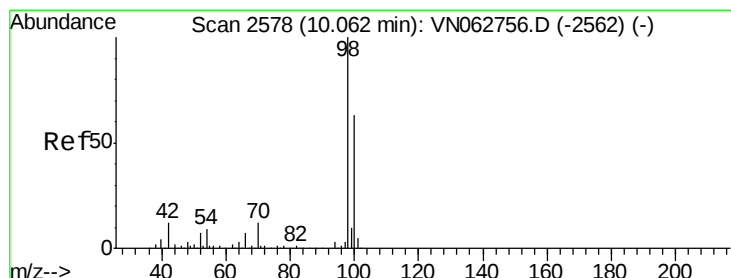
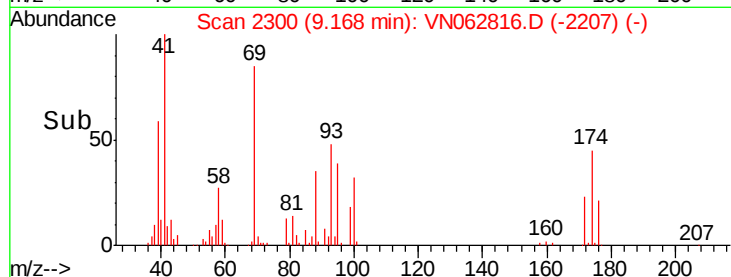
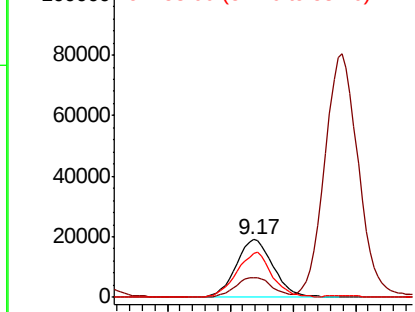
#49
1,4-Dioxane
Concen: 994.219 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion: 88 Resp: 39357
Ion Ratio Lower Upper
88 100
43 34.6 29.5 44.3
58 73.7 59.8 89.8

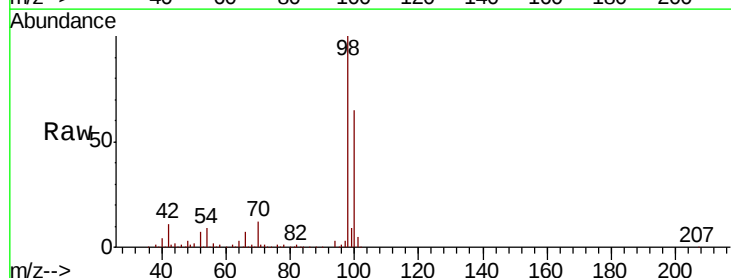


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

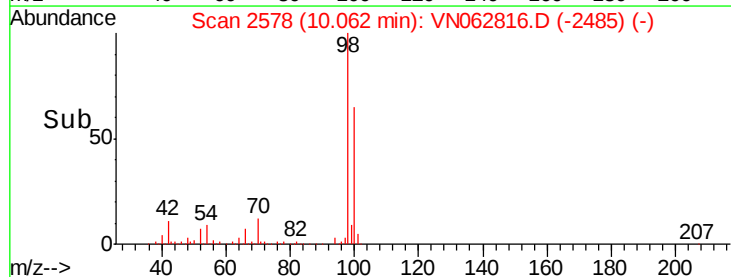
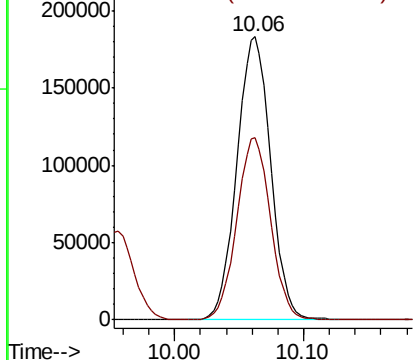


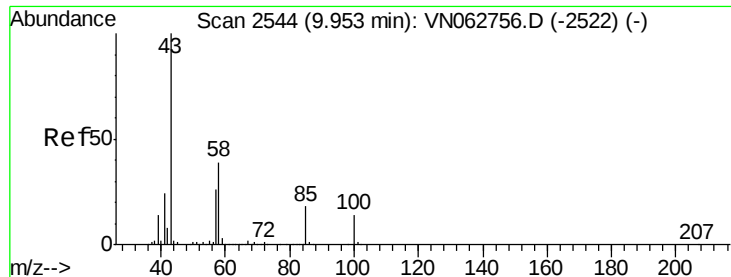
#50
Toluene-d8
Concen: 48.888 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion: 98 Resp: 334256
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3



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: 239.687 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

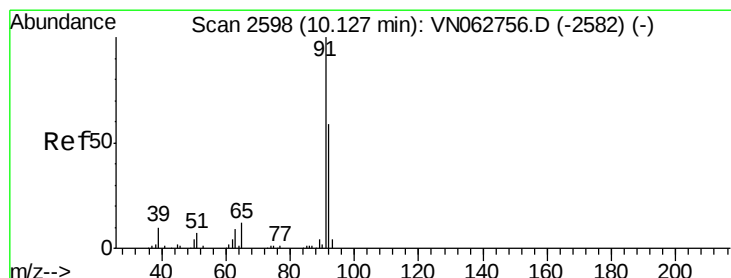
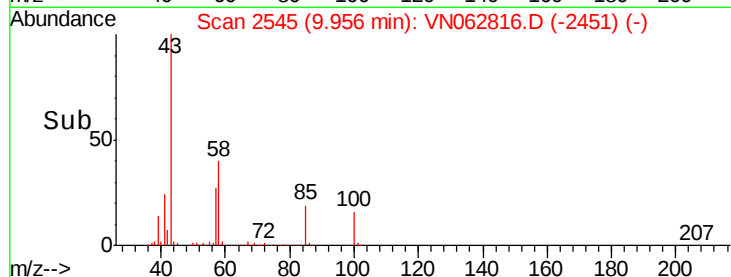
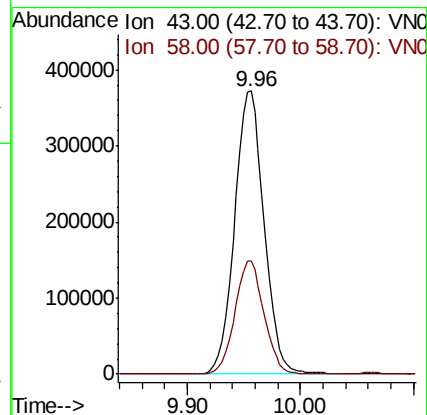
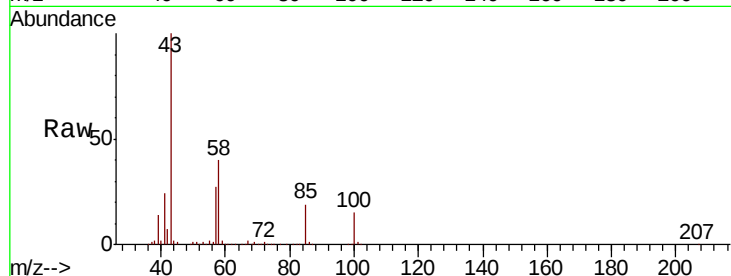
BP-VPB179-GW-498-500MSD

Tot Ion: 43 Resp: 673583

Ion Ratio Lower Upper

43 100

58 39.5 31.1 46.7



#52

Toluene

Concen: 47.582 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN062816.D

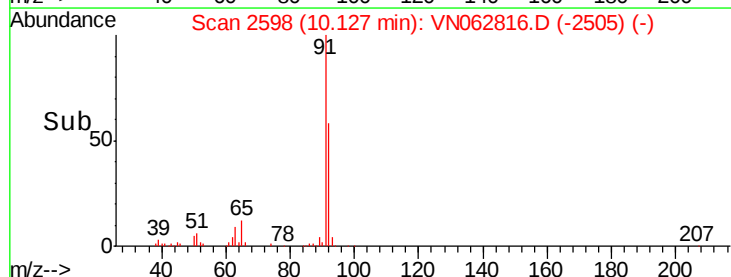
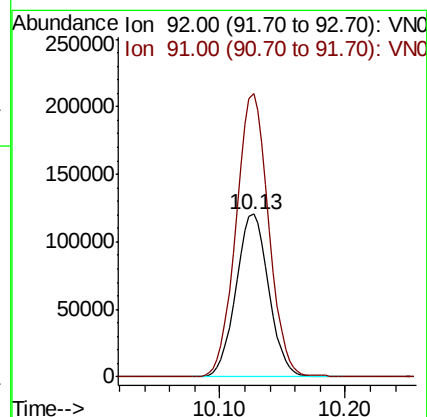
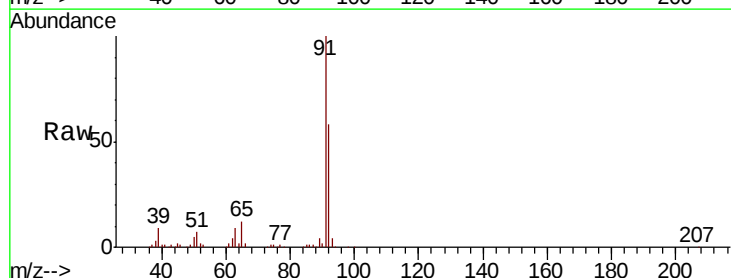
Acq: 10 Aug 2020 18:12

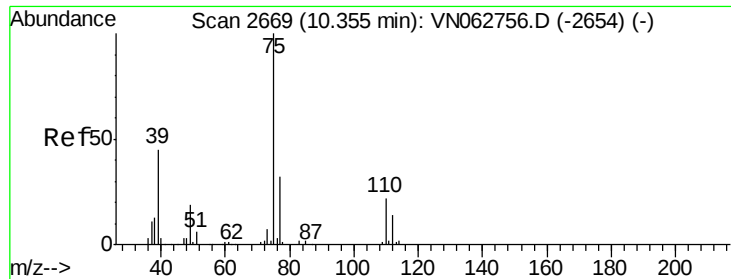
Tgt Ion: 92 Resp: 218536

Ion Ratio Lower Upper

92 100

91 173.6 138.9 208.3

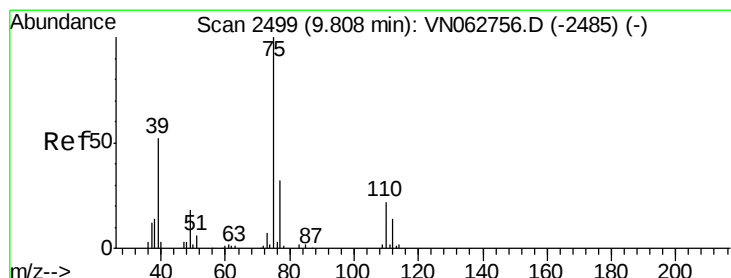
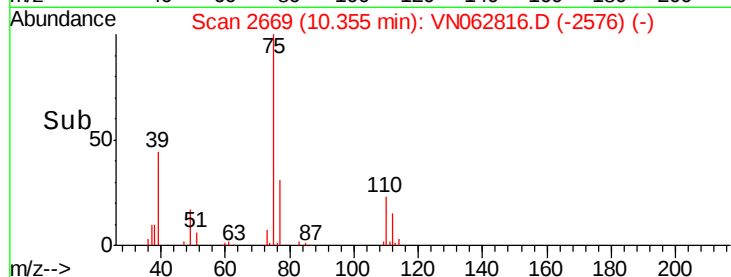
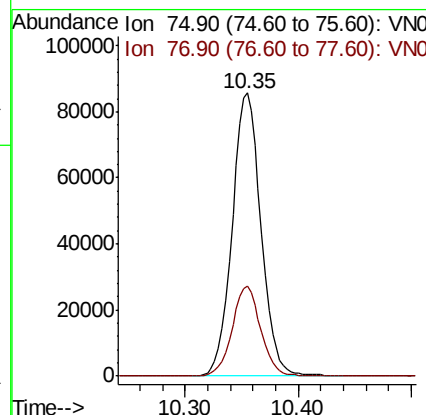
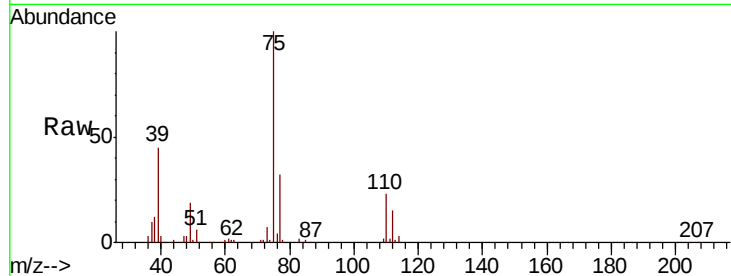




#53
t-1,3-Dichloropropene
Concen: 46.512 ug/l
RT: 10.35 min Scan# 2669
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

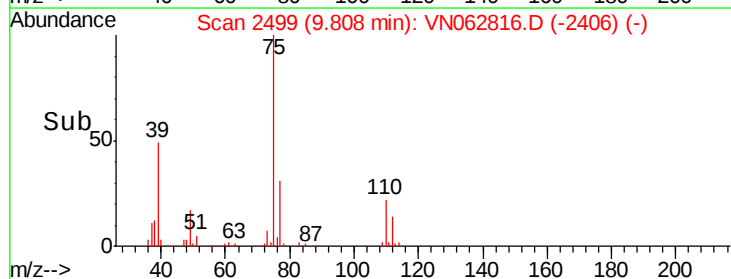
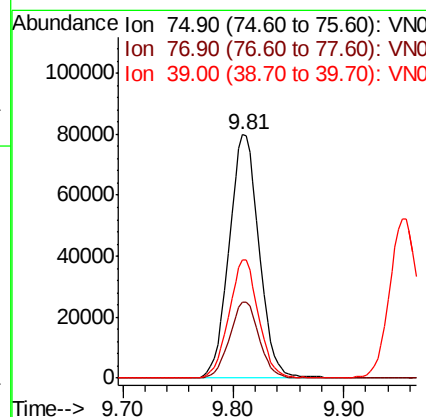
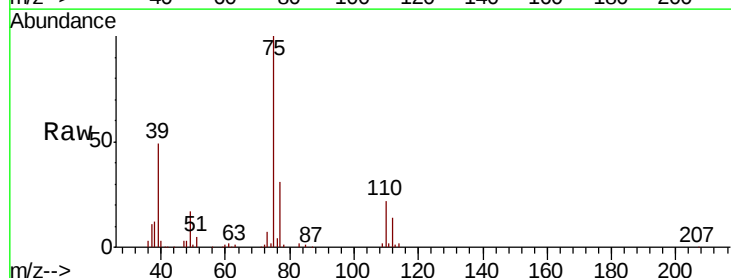
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

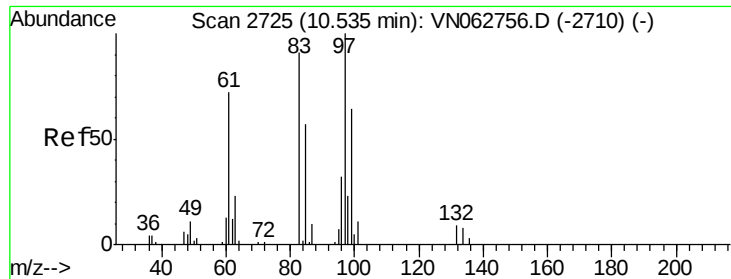
Tot Ion: 75 Resp: 151579
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 45.907 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion: 75 Resp: 150208
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3
39 48.6 41.9 62.9

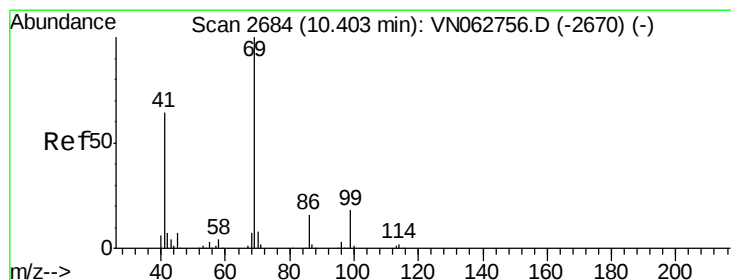
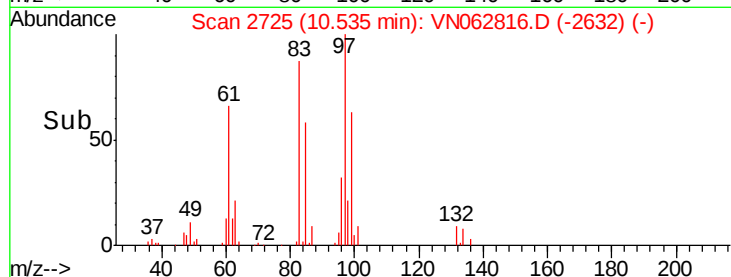
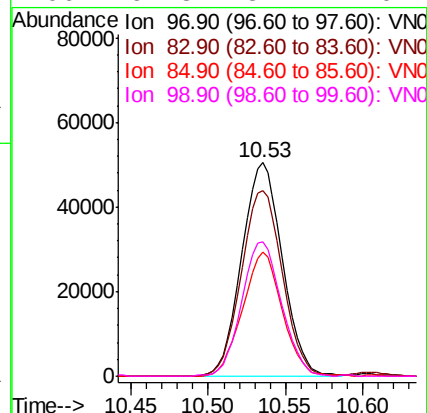
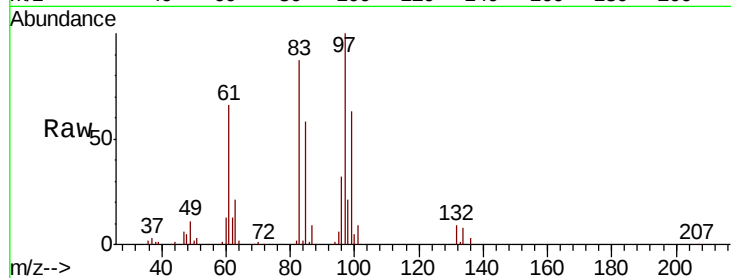




#55
 1,1,2-Trichloroethane
 Concen: 46.992 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

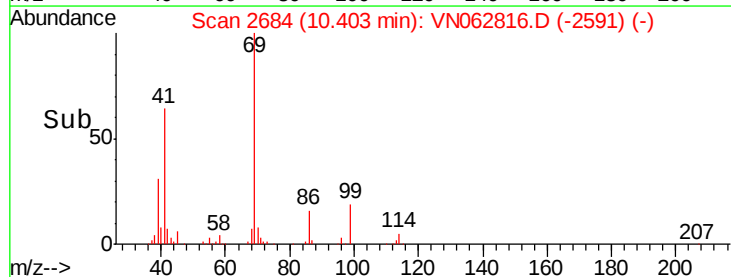
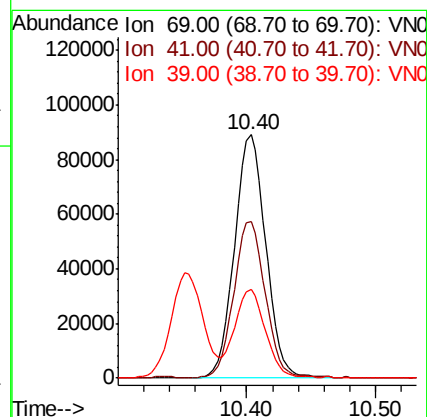
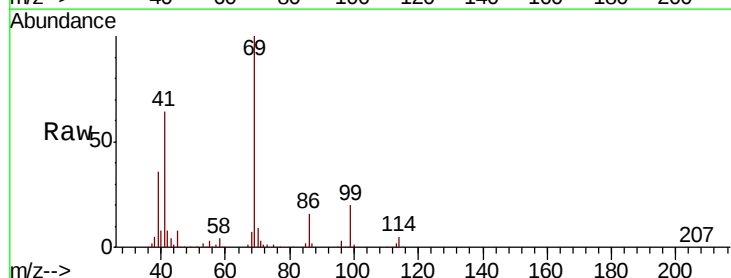
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

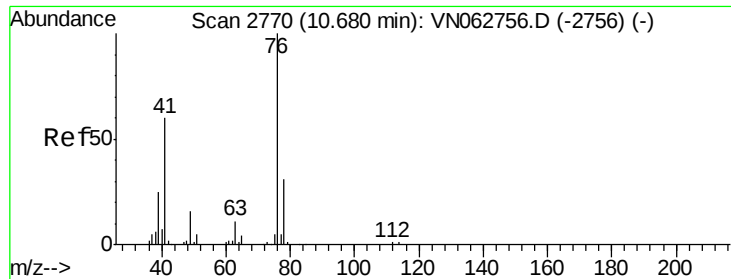
Tot Ion:	97	Resp:	92179
Ion	Ratio	Lower	Upper
97	100		
83	87.1	72.6	108.8
85	57.9	46.0	69.0
99	62.8	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 50.904 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion:	69	Resp:	150296
Ion	Ratio	Lower	Upper
69	100		
41	63.9	52.2	78.2
39	34.9	30.9	46.3





#57

1,3-Dichloropropane

Concen: 46.940 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

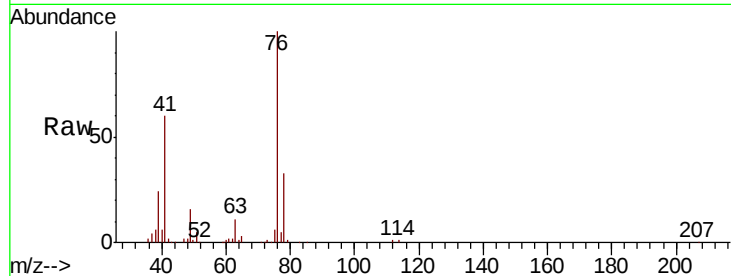
BP-VPB179-GW-498-500MSD

Tot Ion: 76 Resp: 156448

Ion Ratio Lower Upper

76 100

78 32.6 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

80000

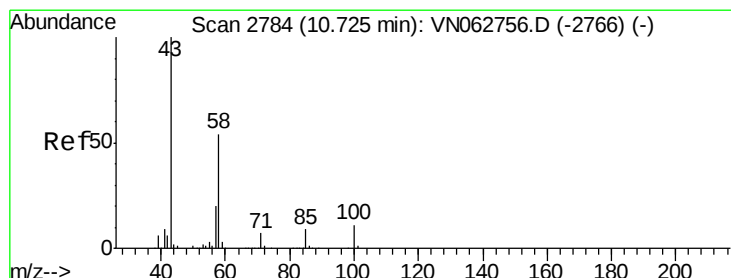
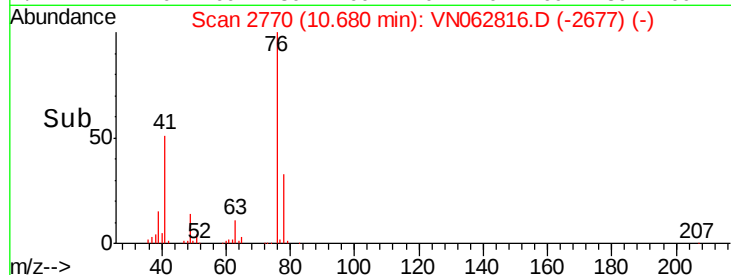
60000

40000

20000

0

Time-->



#59

2-Hexanone

Concen: 242.381 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VN062816.D

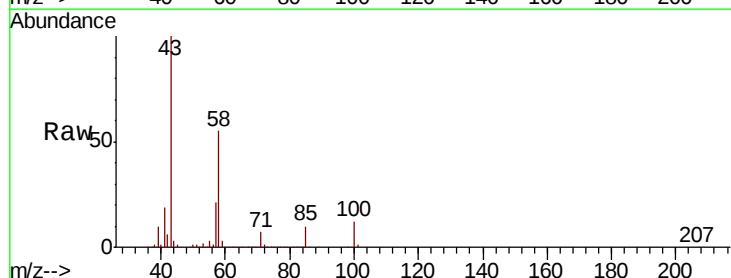
Acq: 10 Aug 2020 18:12

Tgt Ion: 43 Resp: 508102

Ion Ratio Lower Upper

43 100

58 55.6 26.7 80.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.72

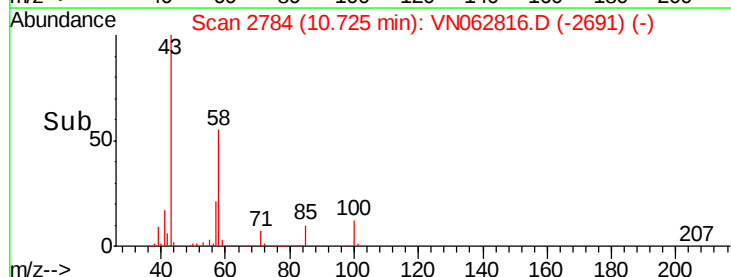
300000

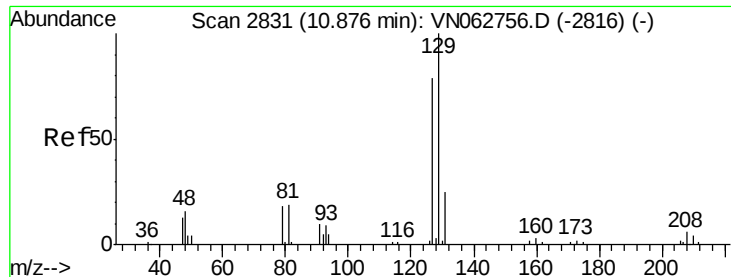
200000

100000

0

Time-->

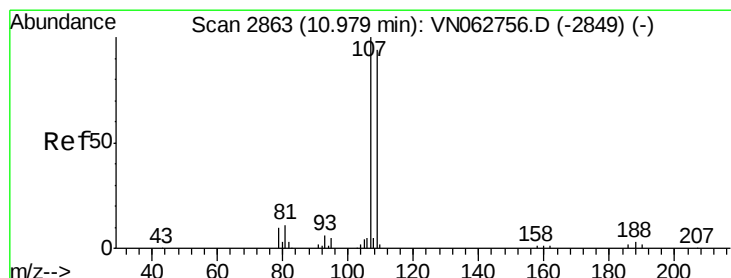
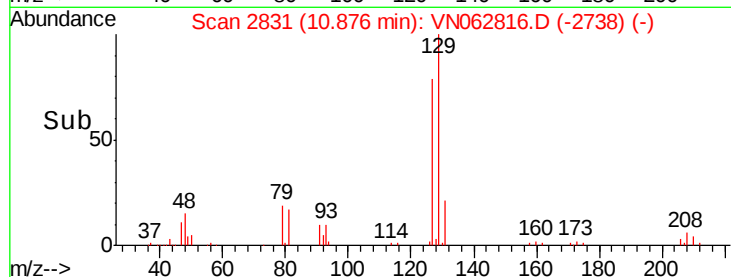
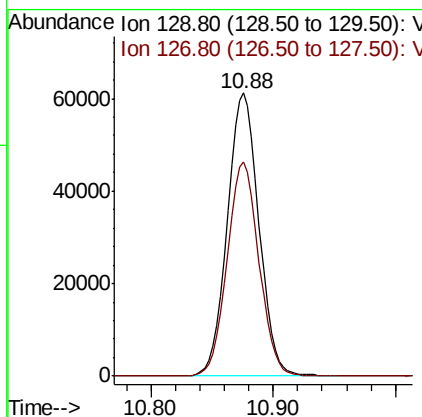
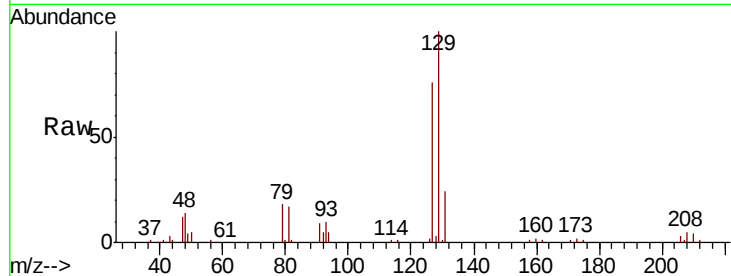




#60
 Dibromochloromethane
 Concen: 49.236 ug/l
 RT: 10.88 min Scan# 2831
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

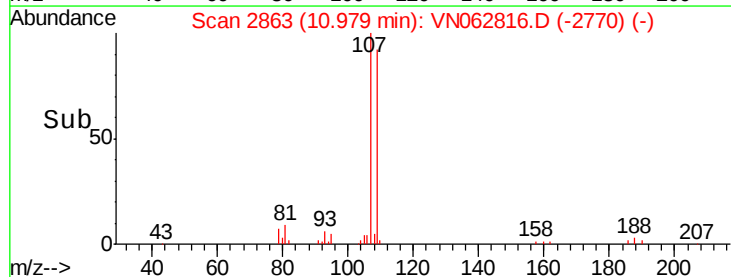
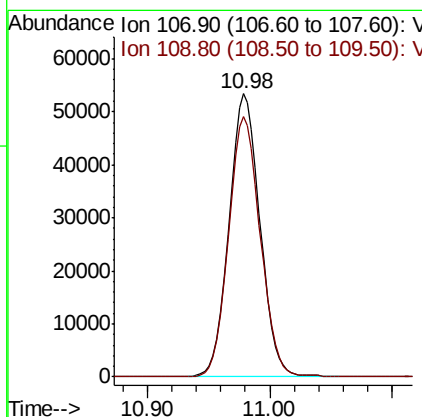
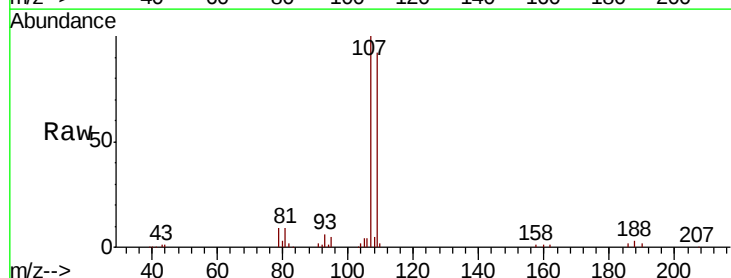
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

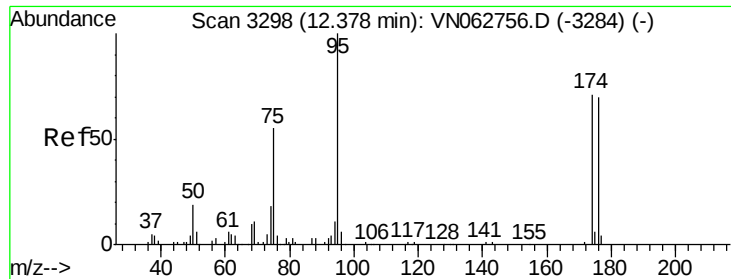
Tot Ion:129 Resp: 110215
 Ion Ratio Lower Upper
 129 100
 127 76.3 39.1 117.2



#61
 1,2-Dibromoethane
 Concen: 48.655 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion:107 Resp: 94176
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.1 114.1

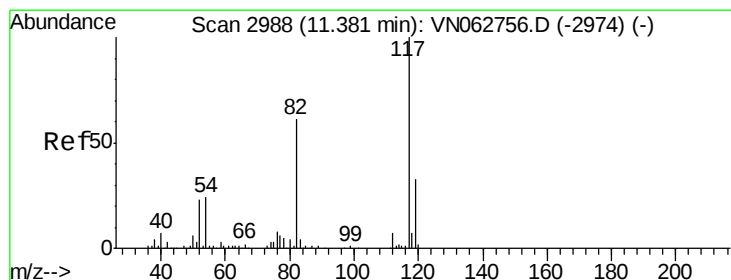
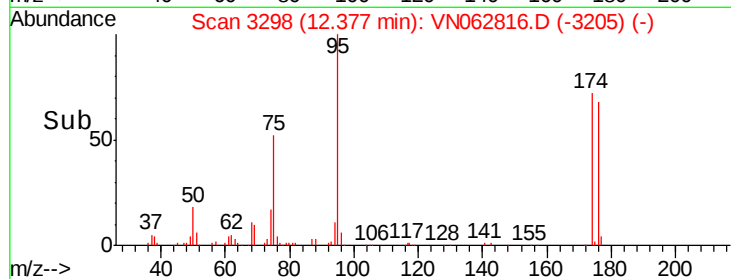
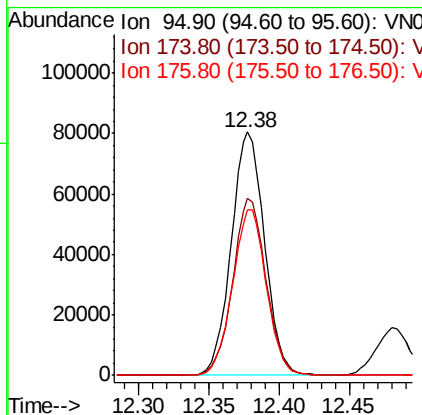
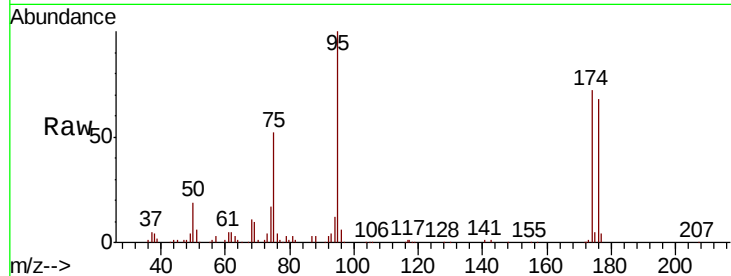




#62
4-Bromofluorobenzene
Concen: 51.466 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

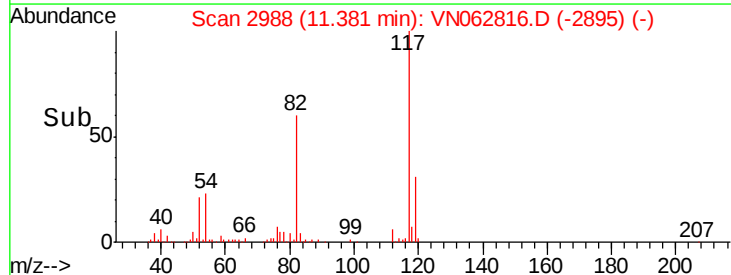
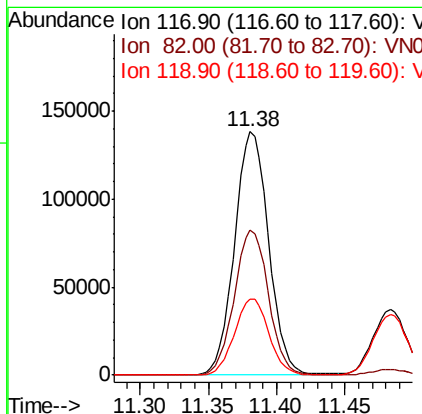
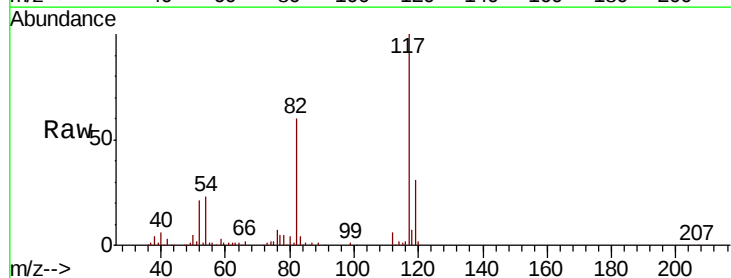
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

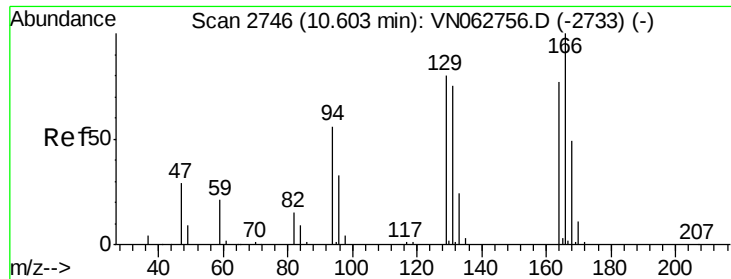
Tot Ion: 95 Resp: 132976
Ion Ratio Lower Upper
95 100
174 72.9 0.0 144.8
176 69.2 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion: 117 Resp: 240240
Ion Ratio Lower Upper
117 100
82 59.5 49.0 73.4
119 31.4 26.2 39.2

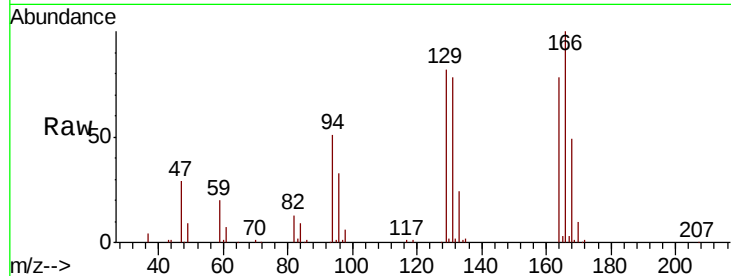




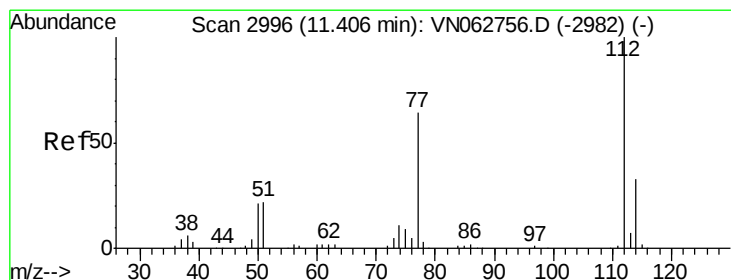
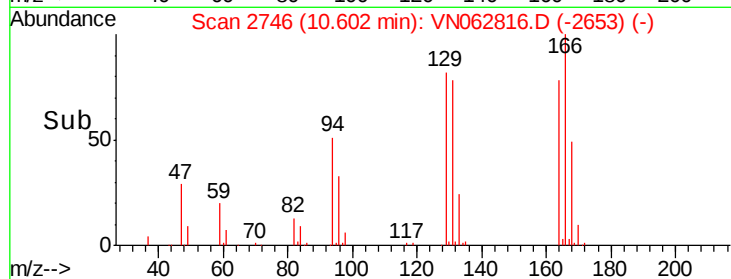
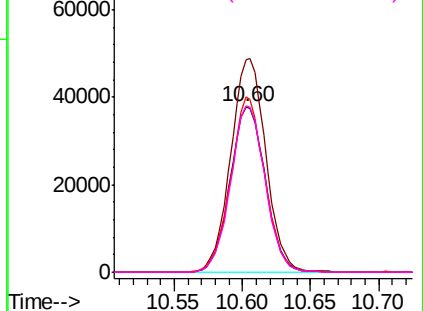
#64
Tetrachloroethene
Concen: 43.928 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion:164 Resp: 68091
Ion Ratio Lower Upper
164 100
166 128.8 103.8 155.8
129 106.3 82.7 124.1
131 100.7 78.2 117.2

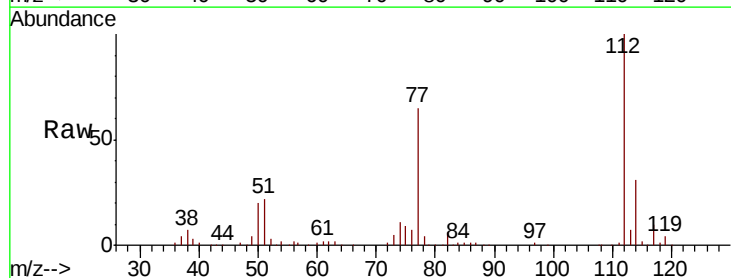


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

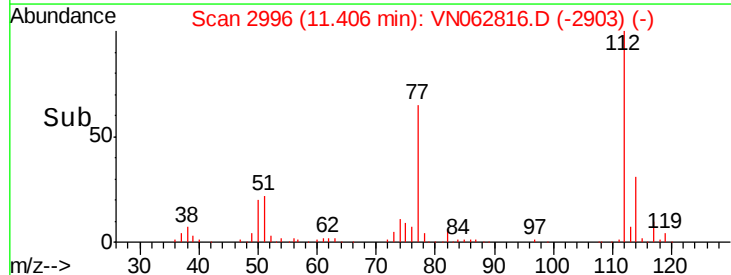
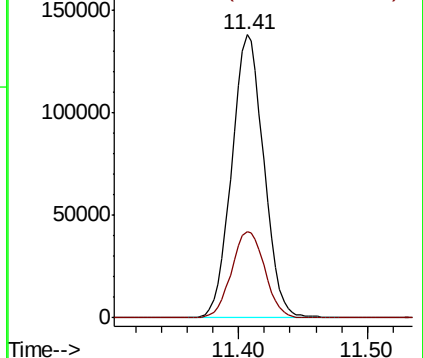


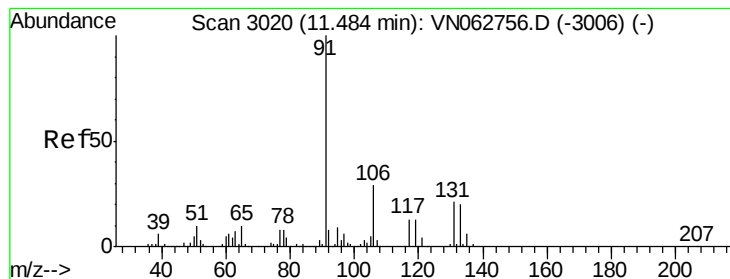
#65
Chlorobenzene
Concen: 47.378 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion:112 Resp: 237928
Ion Ratio Lower Upper
112 100
114 30.6 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: 48.673 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

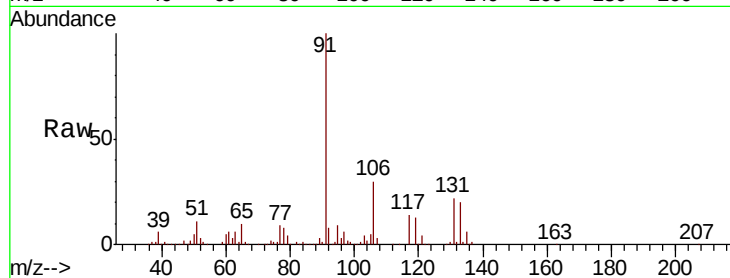
Tot Ion:131 Resp: 98158

Ion Ratio Lower Upper

131 100

133 93.5 48.6 145.8

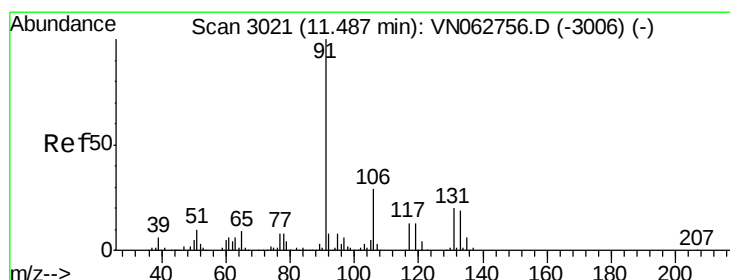
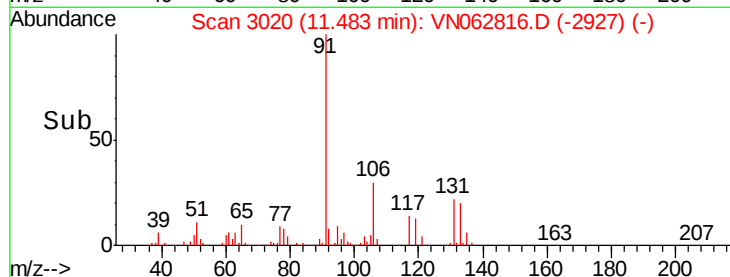
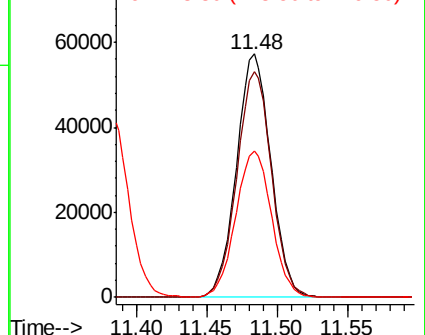
119 62.7 32.2 96.6



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: 49.247 ug/l

RT: 11.49 min Scan# 3021

Delta R.T. -0.00 min

Lab File: VN062816.D

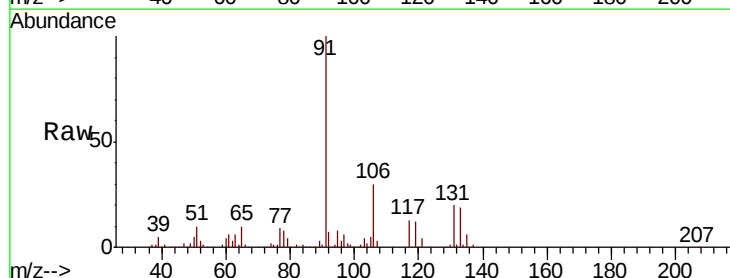
Acq: 10 Aug 2020 18:12

Tgt Ion: 91 Resp: 442564

Ion Ratio Lower Upper

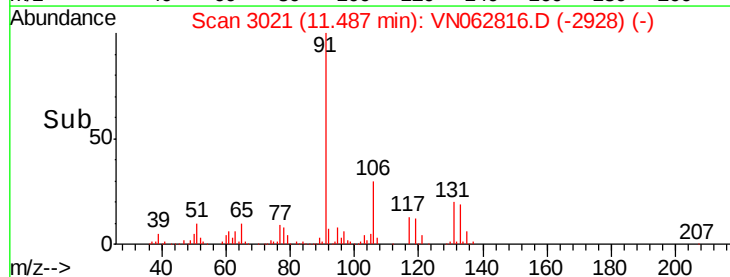
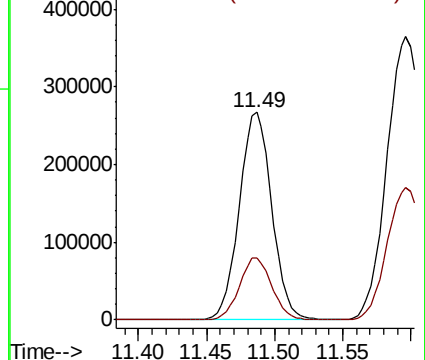
91 100

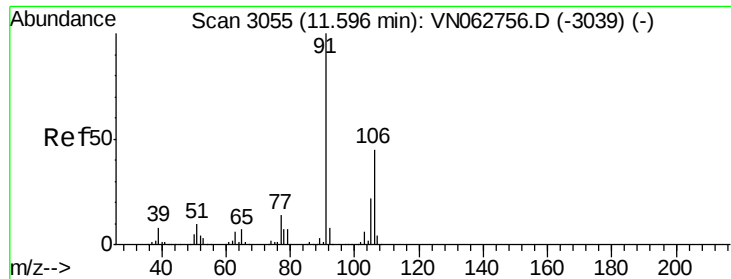
106 29.8 23.2 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

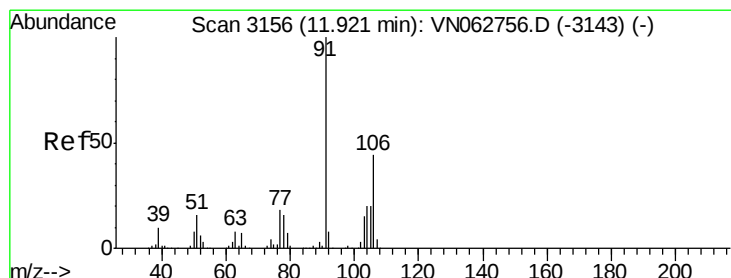
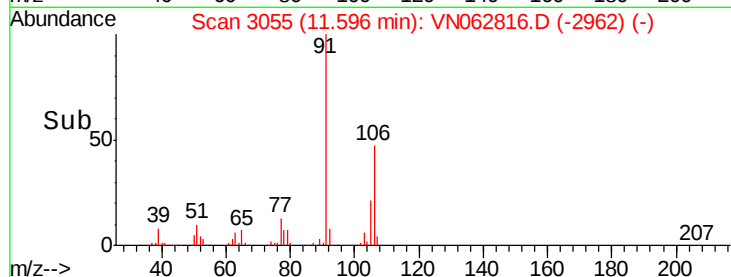
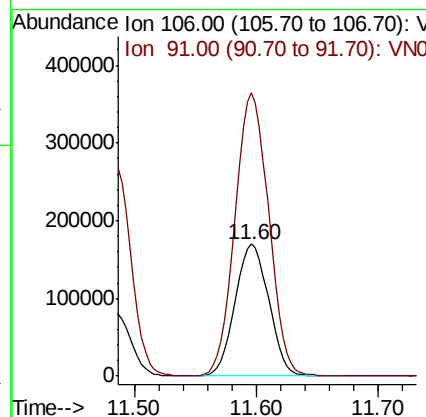
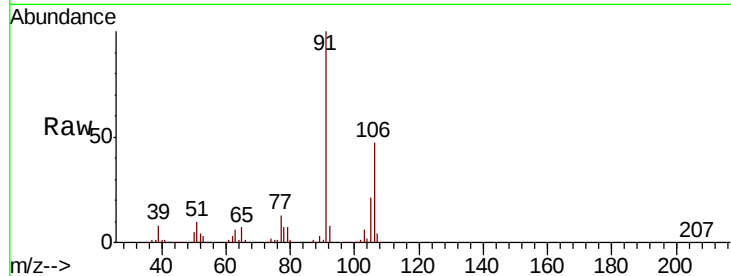




#68
m/p-Xylenes
Concen: 100.212 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

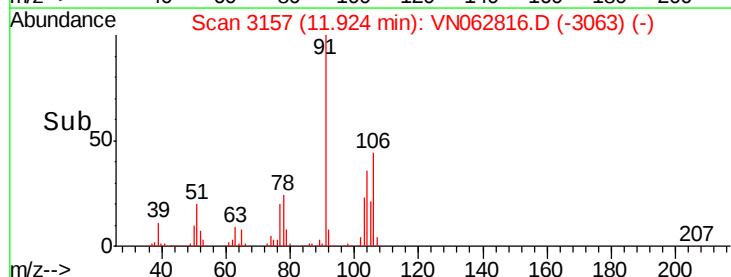
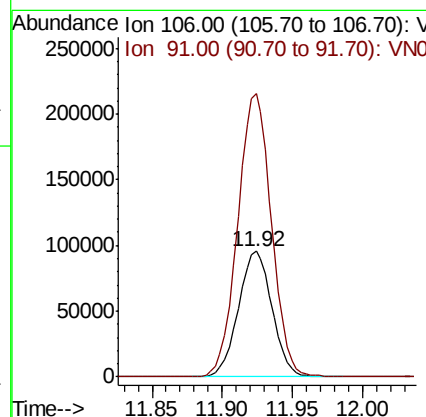
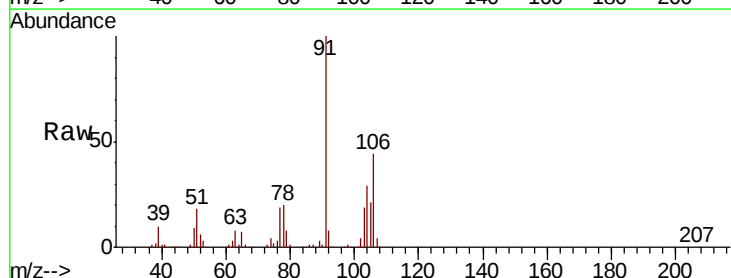
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

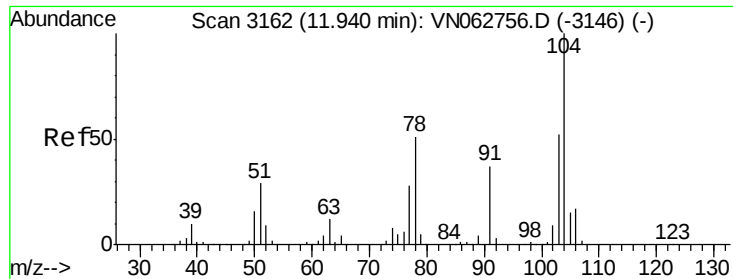
Tot Ion:106 Resp: 326907
Ion Ratio Lower Upper
106 100
91 214.5 175.9 263.9



#69
o-Xylene
Concen: 52.260 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion:106 Resp: 159763
Ion Ratio Lower Upper
106 100
91 225.4 115.8 347.4

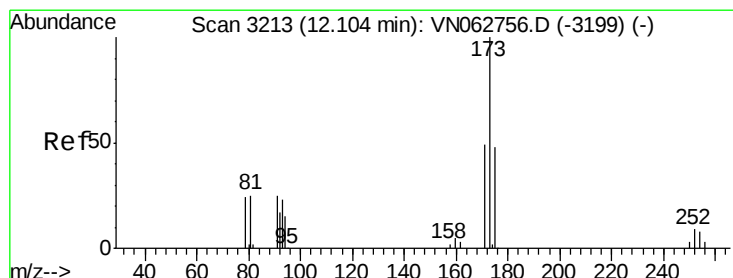
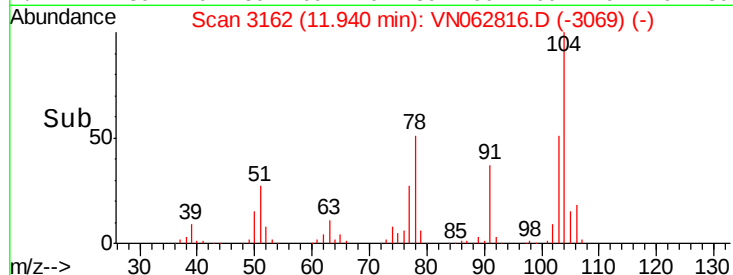
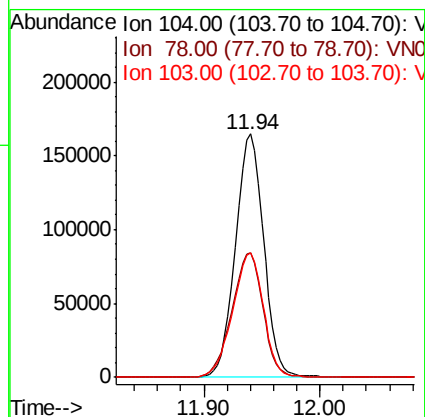
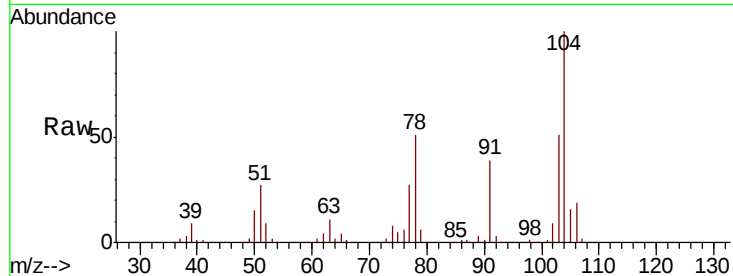




#70
Stvrene
Concen: 51.722 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

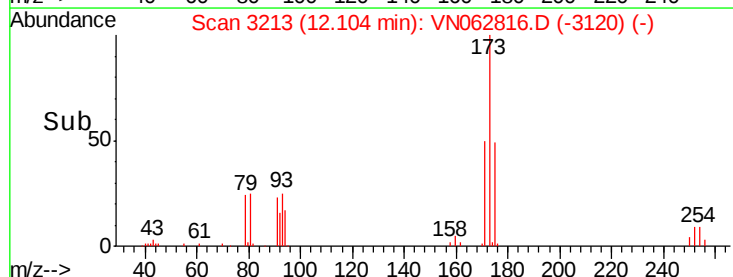
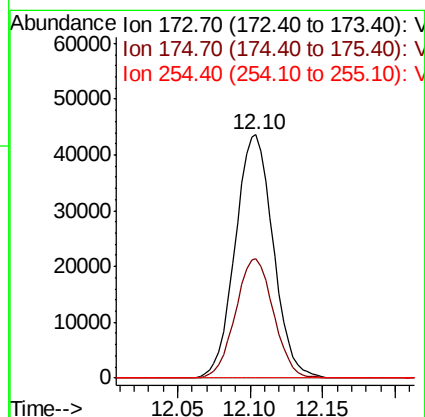
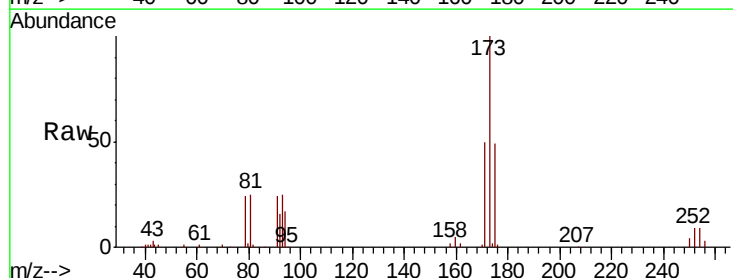
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

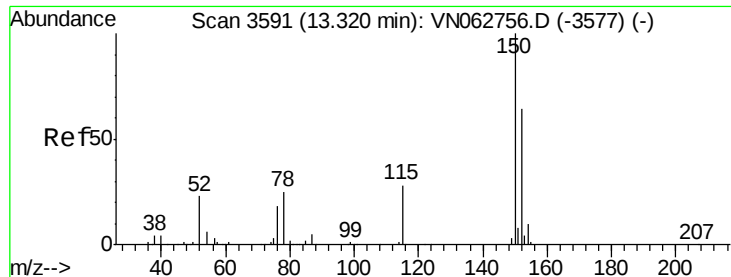
Tot Ion:104 Resp: 277933
Ion Ratio Lower Upper
104 100
78 56.2 45.9 68.9
103 55.7 45.1 67.7



#71
Bromoform
Concen: 48.100 ug/l
RT: 12.10 min Scan# 3213
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion:173 Resp: 79367
Ion Ratio Lower Upper
173 100
175 49.0 24.0 72.0
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

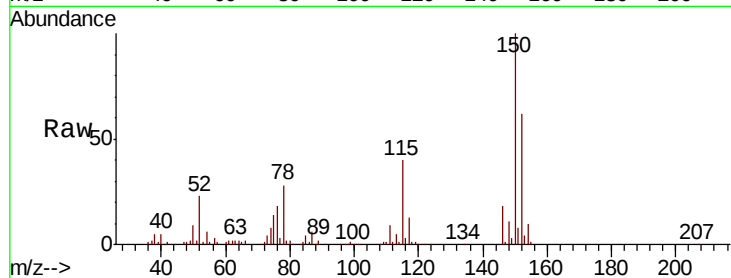
Tot Ion:152 Resp: 119896

Ion Ratio Lower Upper

152 100

115 63.8 31.6 94.8

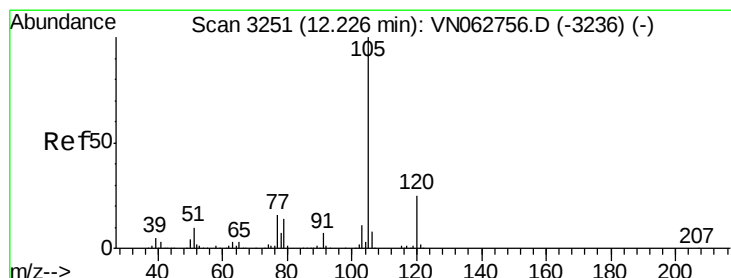
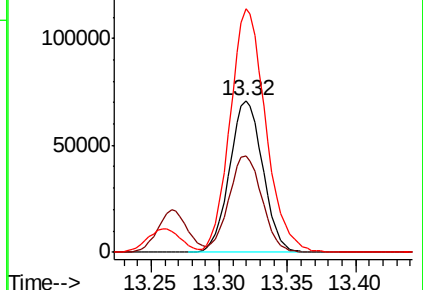
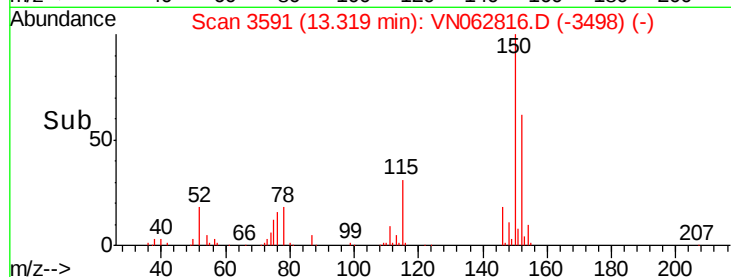
150 172.6 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 48.986 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. -0.00 min

Lab File: VN062816.D

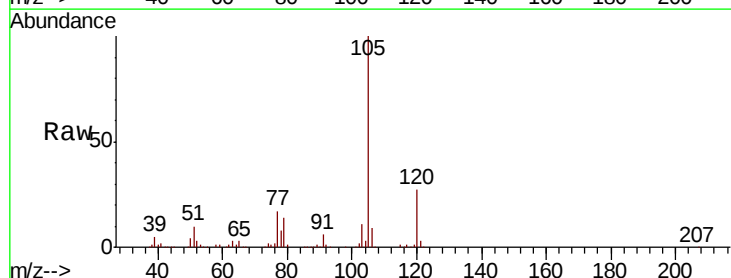
Acq: 10 Aug 2020 18:12

Tgt Ion:105 Resp: 442252

Ion Ratio Lower Upper

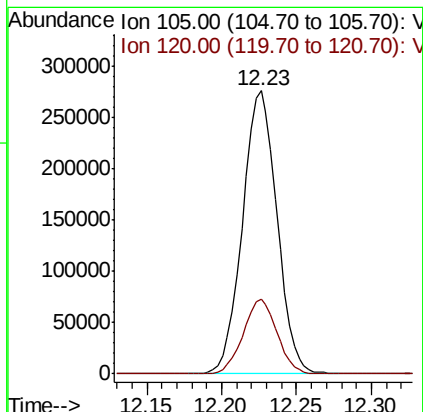
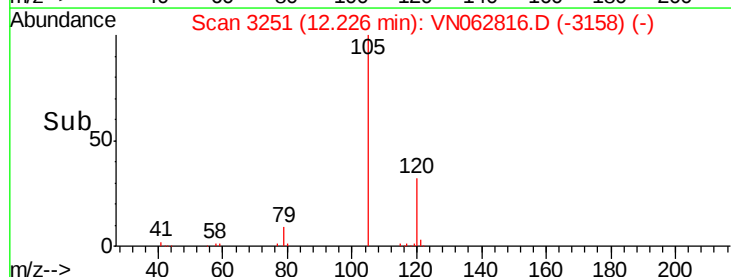
105 100

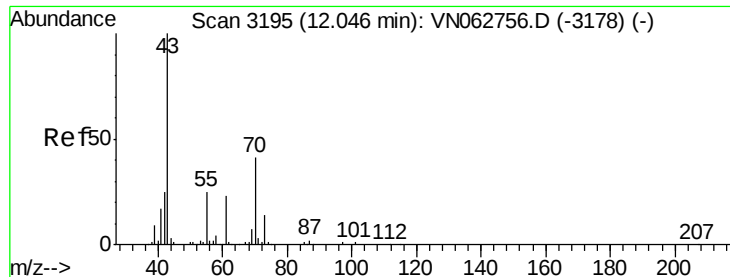
120 25.9 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

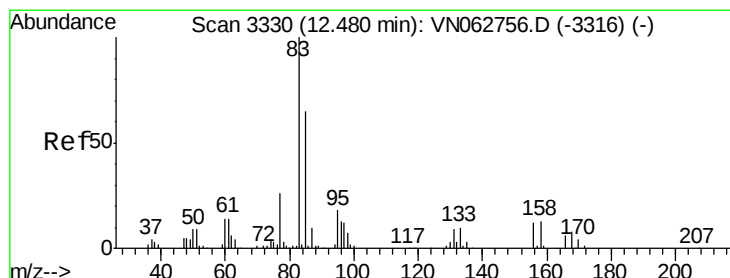
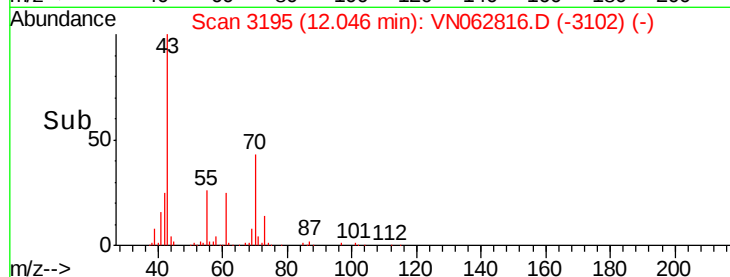
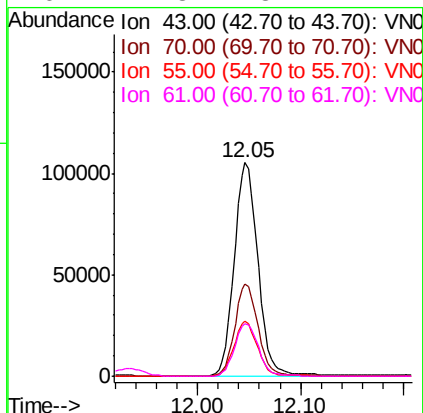
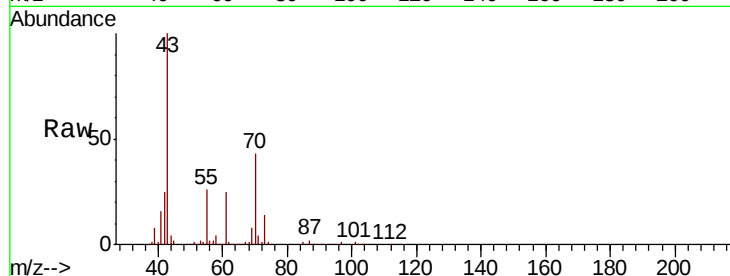




#74
N-amvl acetate
Concen: 46.614 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

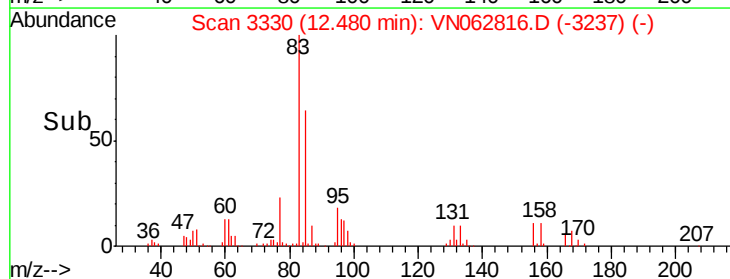
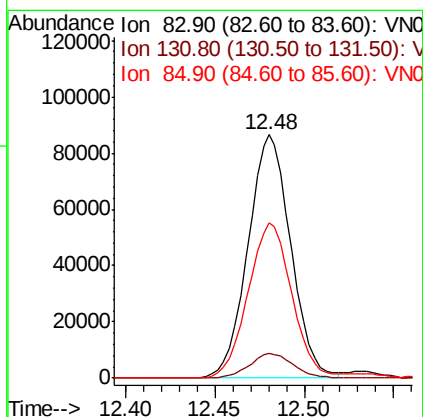
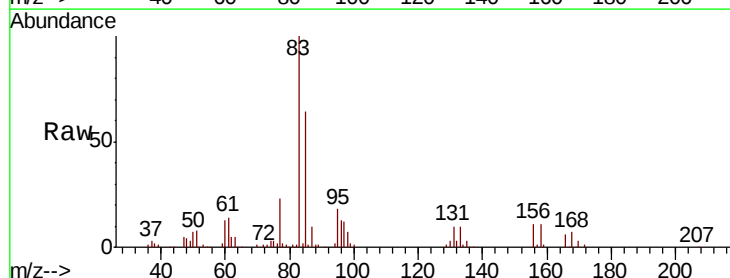
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

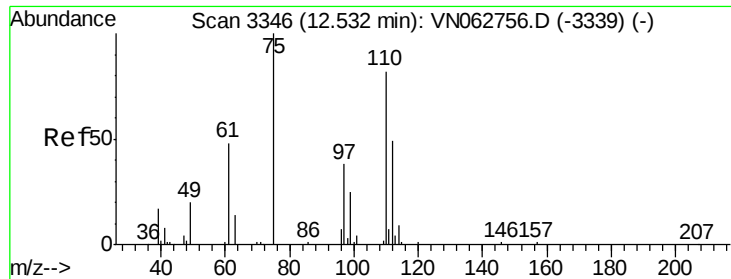
Tot Ion:	43	Resp:	170542
Ion	Ratio	Lower	Upper
43	100		
70	42.3	32.3	48.5
55	24.8	20.2	30.2
61	24.8	18.2	27.4



#75
1,1,2,2-Tetrachloroethane
Concen: 45.614 ug/l
RT: 12.48 min Scan# 3330
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion:	83	Resp:	144969
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.1	15.4
85	65.1	31.9	95.9

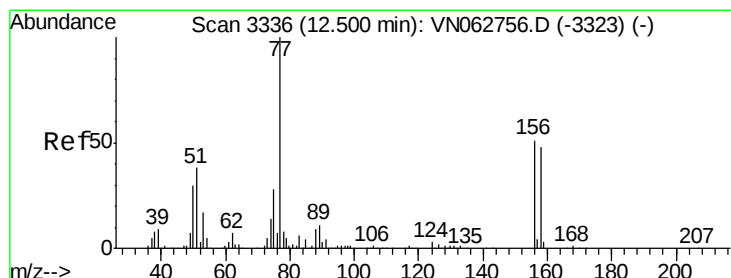
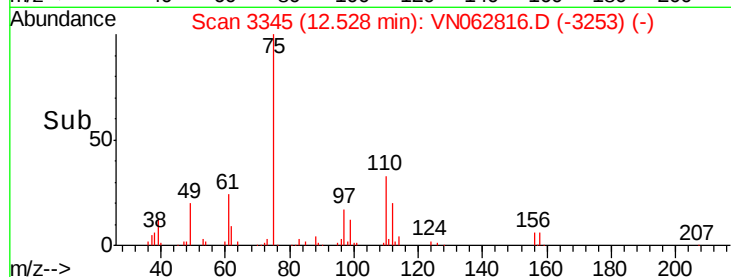
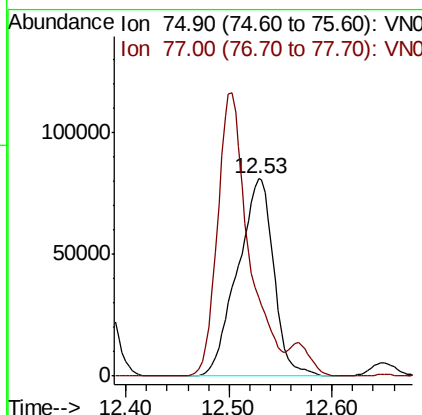
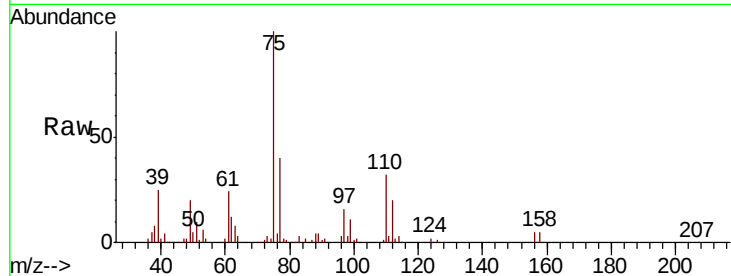




#76
 1,2,3-Trichloropropane
 Concen: 60.935 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

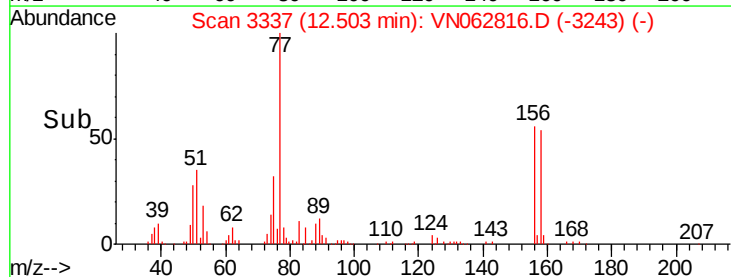
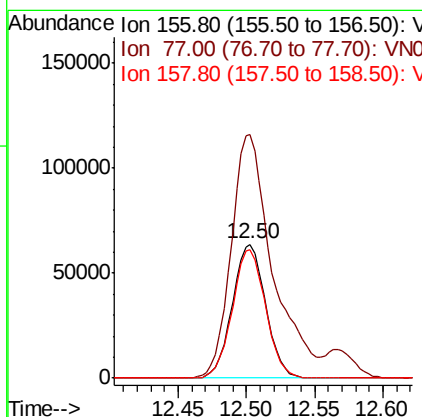
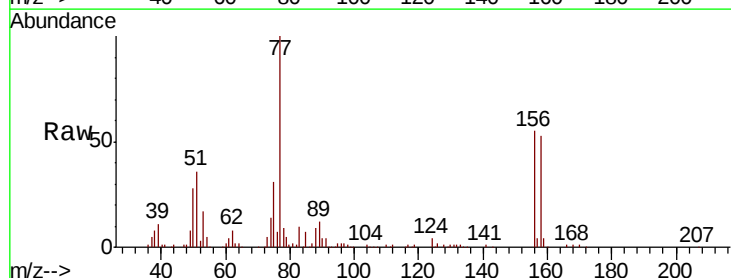
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

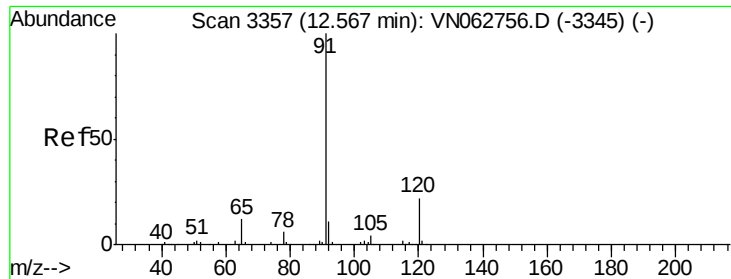
Tot Ion: 75 Resp: 197032
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 48.025 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion: 156 Resp: 107730
 Ion Ratio Lower Upper
 156 100
 77 227.5 119.7 359.1
 158 95.8 48.1 144.3

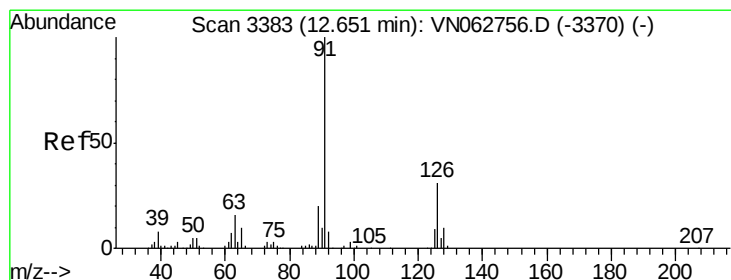
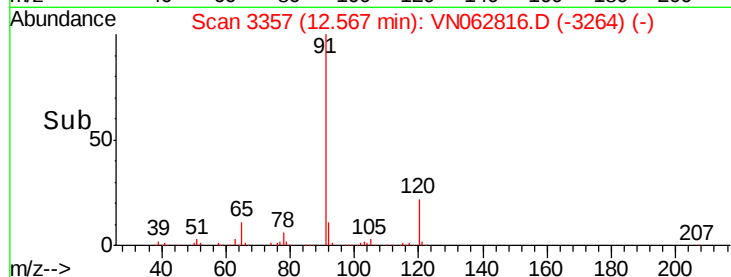
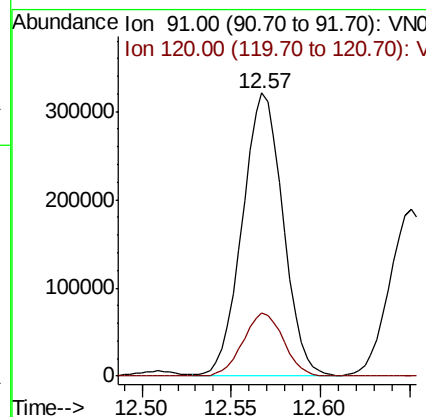
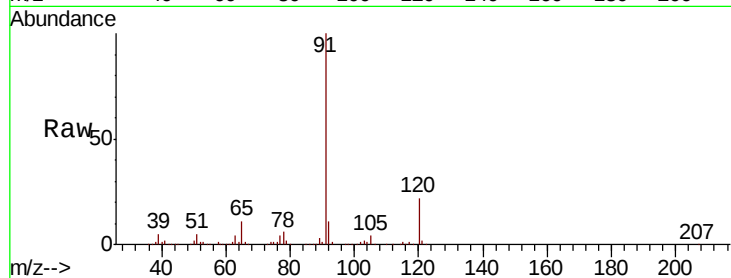




#78
n-propylbenzene
Concen: 47.752 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

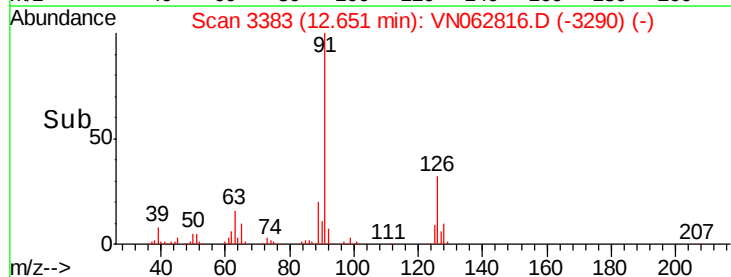
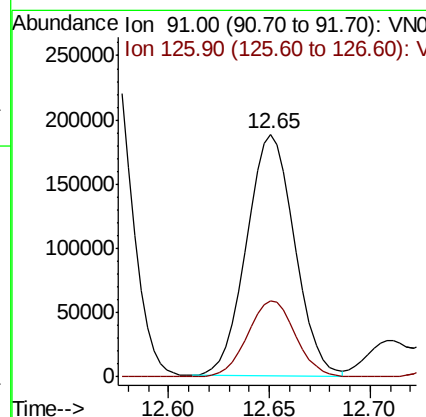
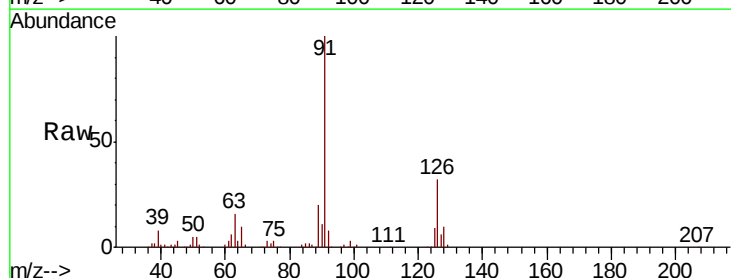
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

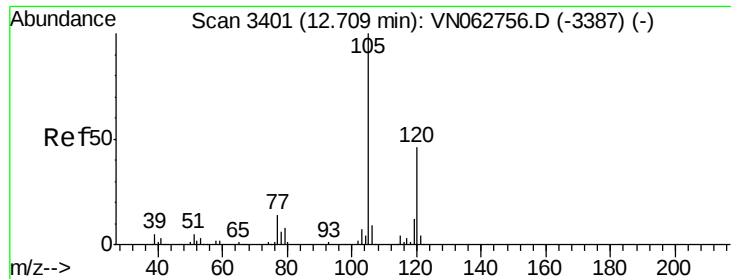
Tot Ion: 91 Resp: 506062
Ion Ratio Lower Upper
91 100
120 22.4 10.9 32.9



#79
2-Chlorotoluene
Concen: 47.158 ug/l
RT: 12.65 min Scan# 3383
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion: 91 Resp: 313402
Ion Ratio Lower Upper
91 100
126 31.7 15.6 46.7

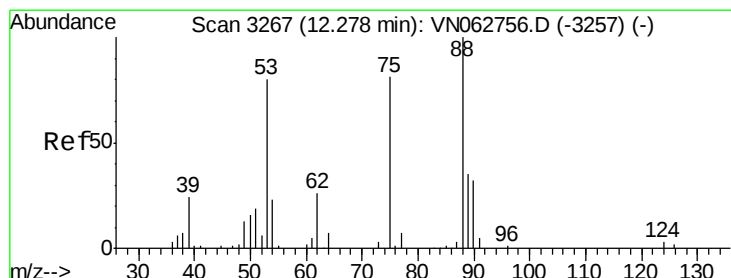
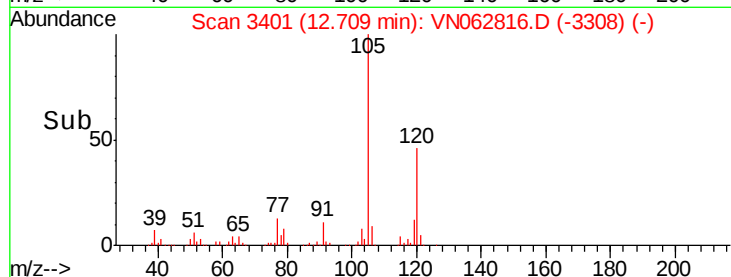
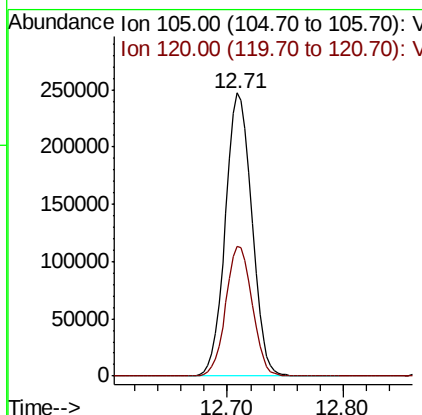
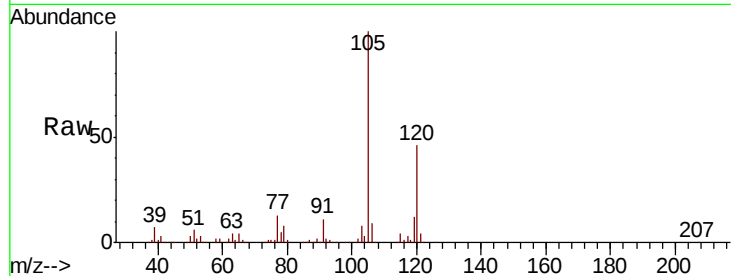




#80
 1,3,5-Trimethylbenzene
 Concen: 49.701 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

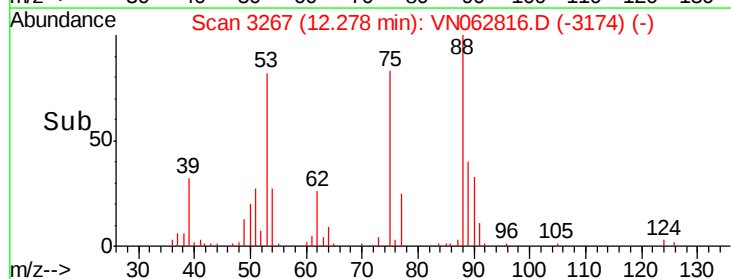
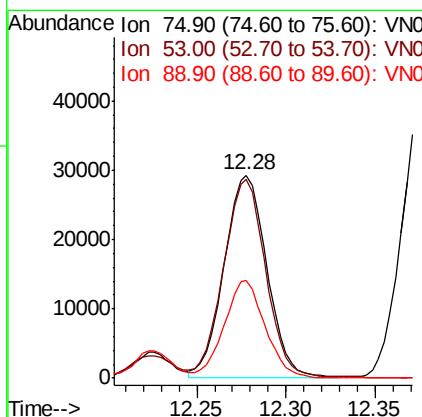
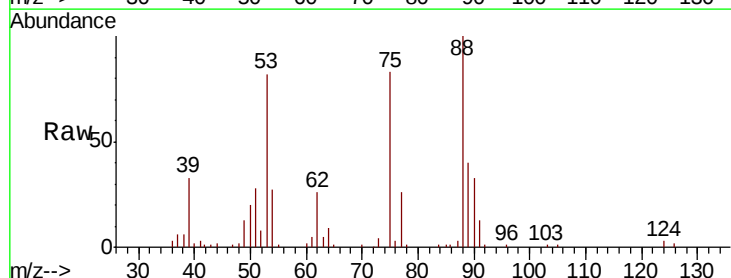
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

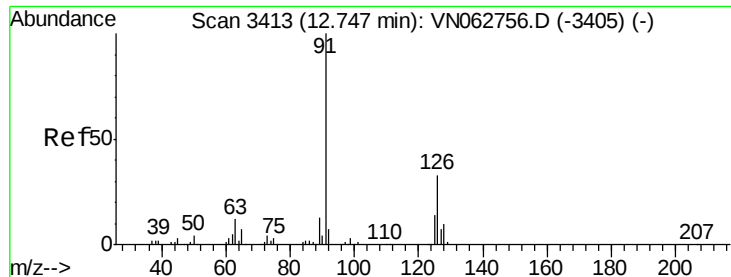
Tot Ion:105 Resp: 389274
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.119 ug/l
 RT: 12.28 min Scan# 3267
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion: 75 Resp: 48850
 Ion Ratio Lower Upper
 75 100
 53 97.2 79.1 118.7
 89 45.9 36.2 54.2





#82

4-Chlorotoluene

Concen: 48.630 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

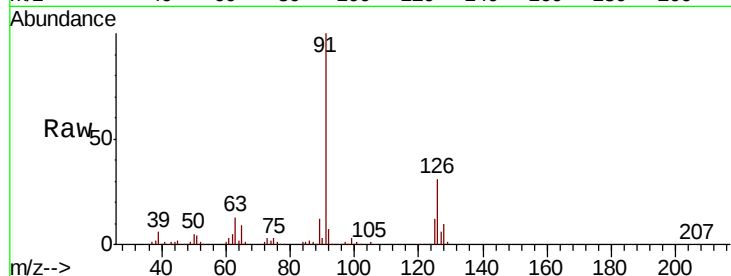
BP-VPB179-GW-498-500MSD

Tot Ion: 91 Resp: 333043

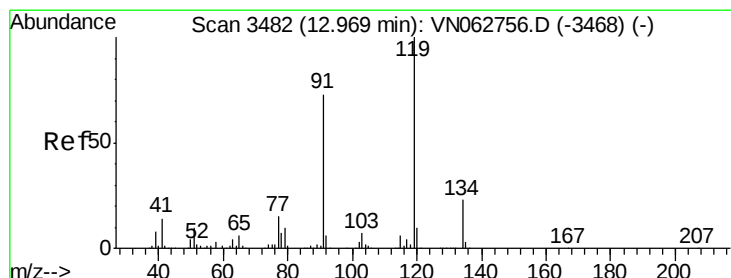
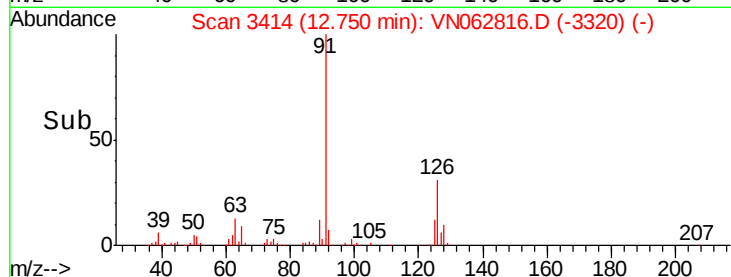
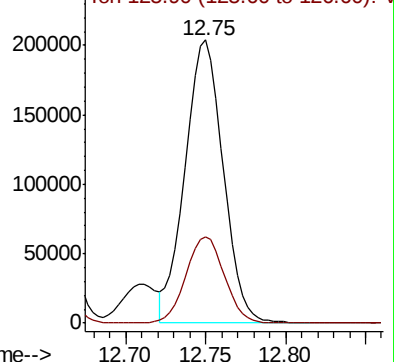
Ion Ratio Lower Upper

91 100

126 30.8 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VN062816.D (-3320) (-)



#83

tert-Butylbenzene

Concen: 48.774 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

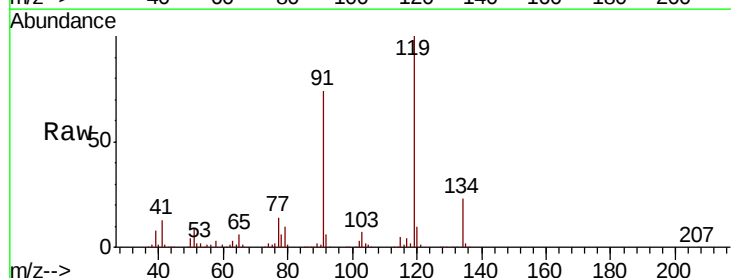
Tgt Ion: 119 Resp: 323251

Ion Ratio Lower Upper

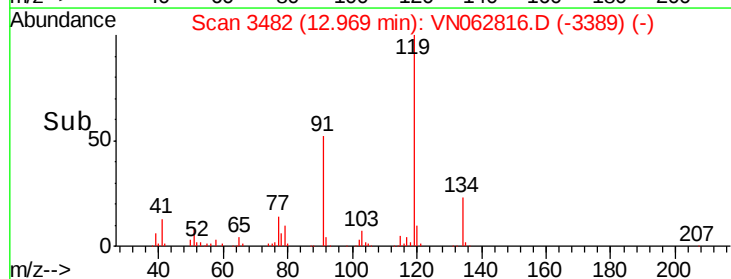
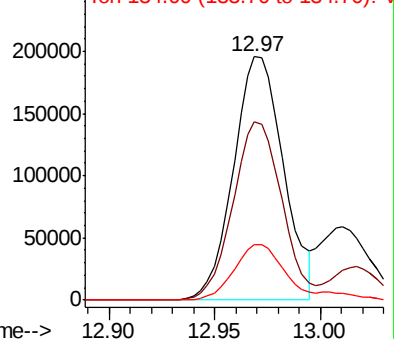
119 100

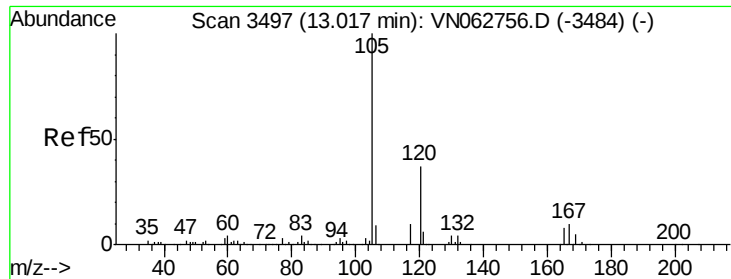
91 71.7 36.5 109.5

134 22.7 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): VN062816.D (-3389) (-)

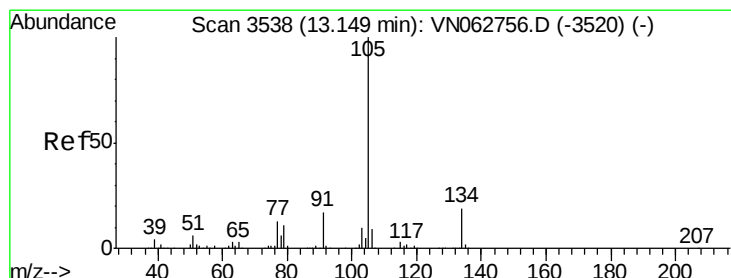
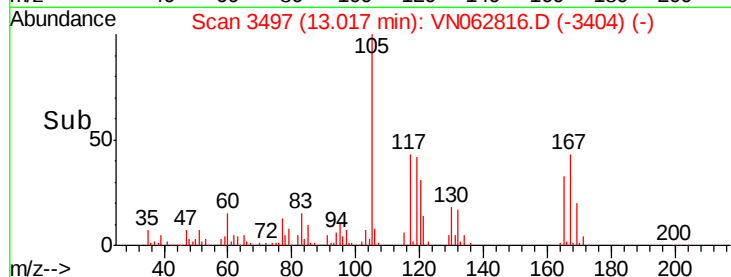
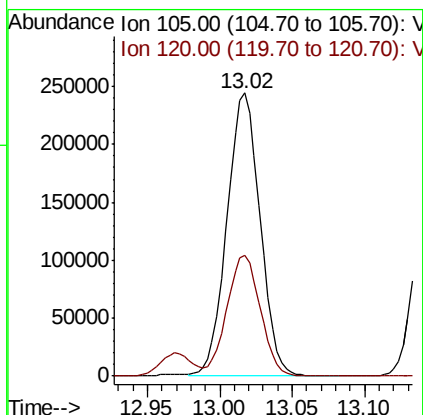
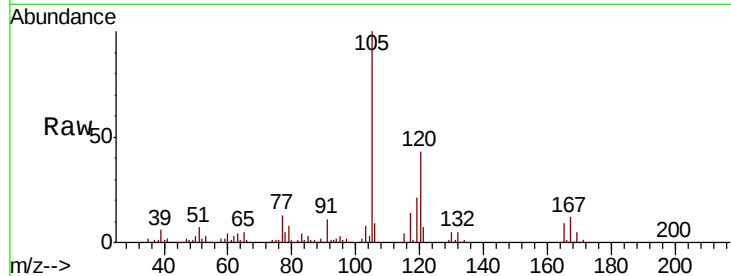




#84
 1,2,4-Trimethylbenzene
 Concen: 51.444 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

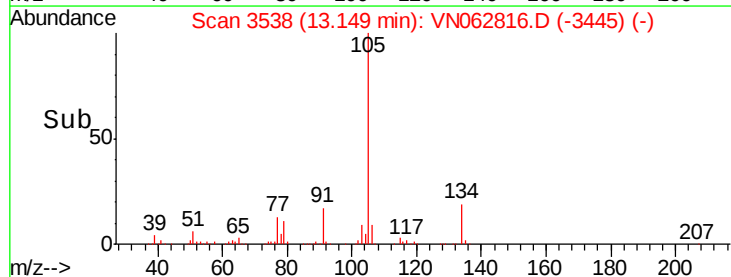
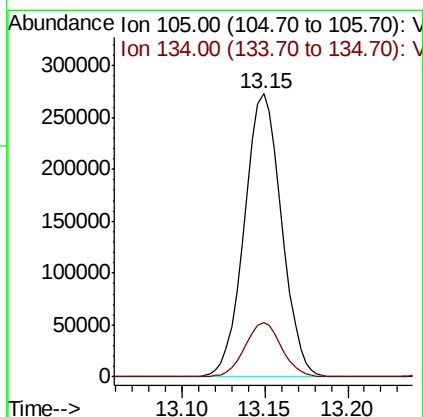
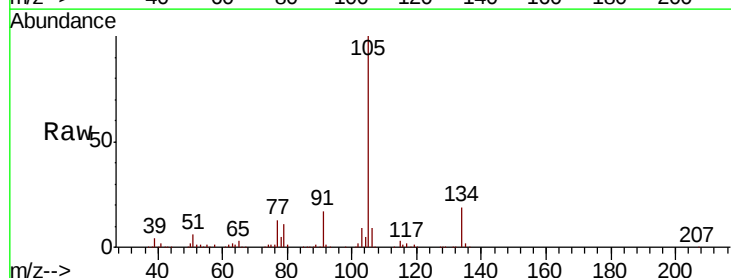
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

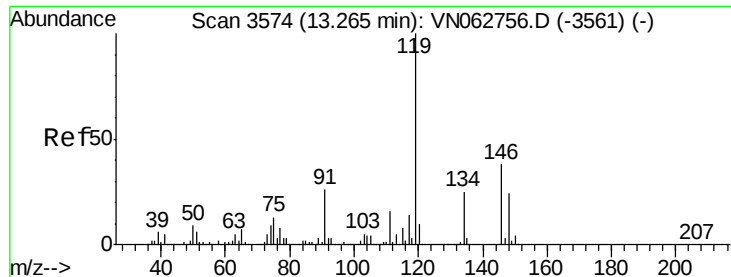
Tot Ion:105 Resp: 385471
 Ion Ratio Lower Upper
 105 100
 120 43.2 21.4 64.2



#85
 sec-Butylbenzene
 Concen: 48.764 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion:105 Resp: 424399
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.6 28.6

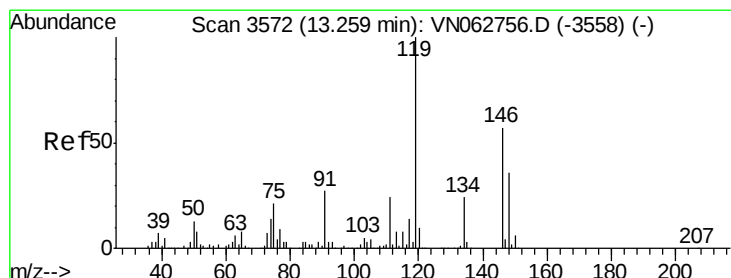
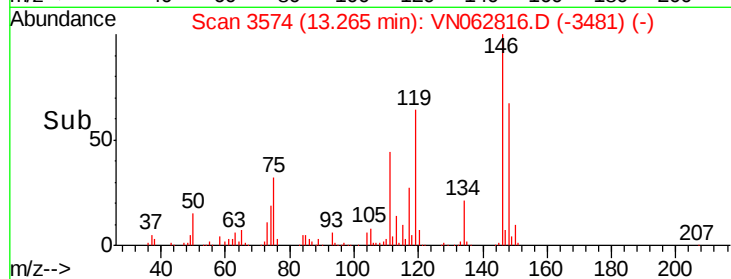
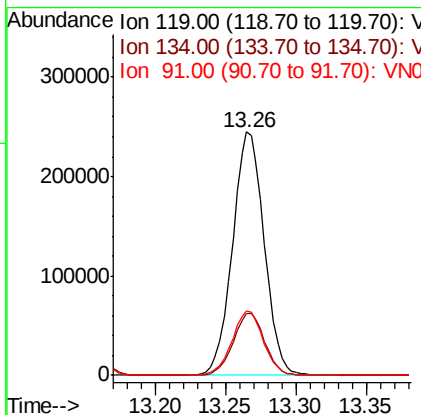
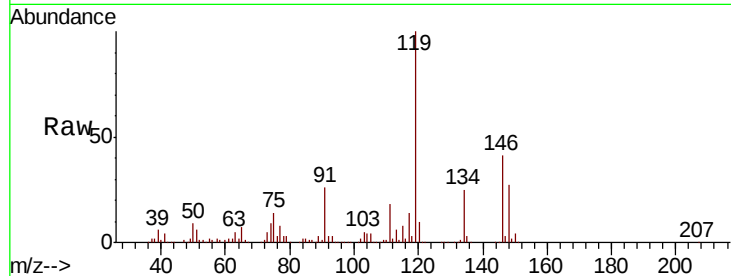




#86
 p-Isopropyltoluene
 Concen: 49.659 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

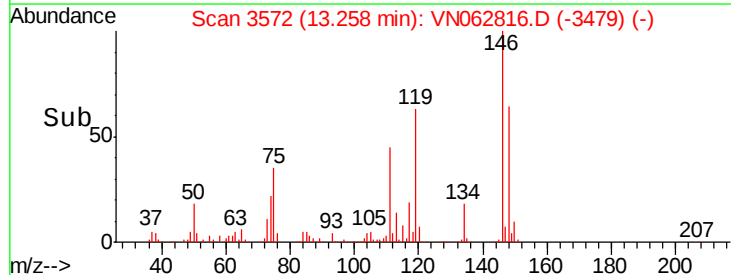
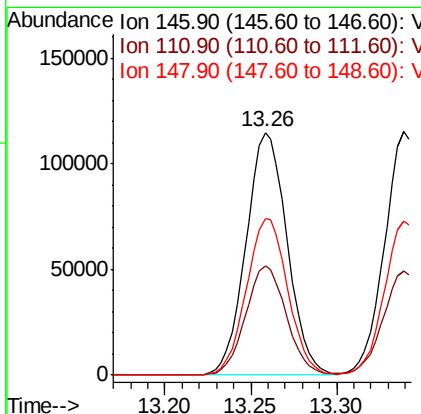
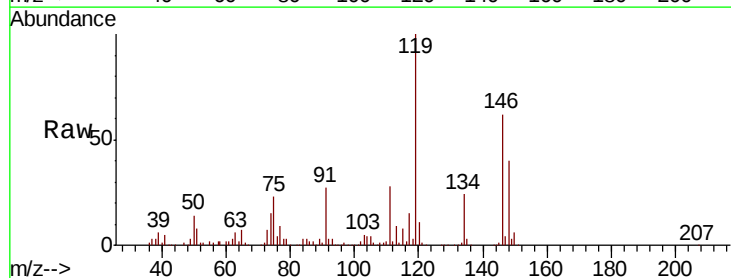
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

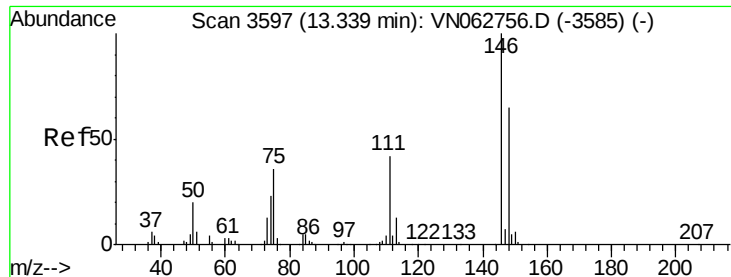
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.6	37.8
91	25.9	13.4	40.2



#87
 1,3-Dichlorobenzene
 Concen: 47.479 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.7	65.1
148	64.8	31.4	94.2

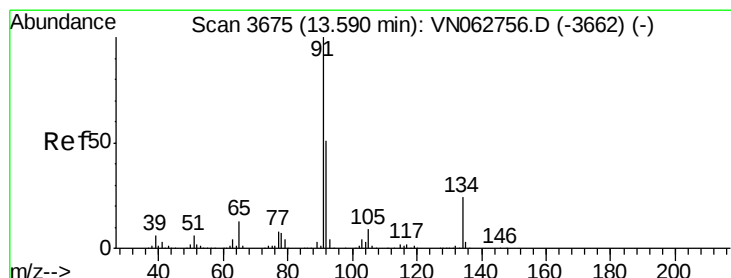
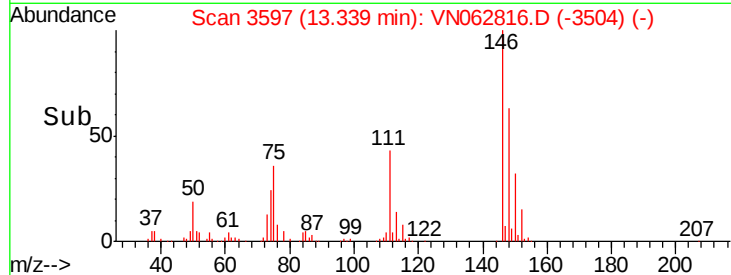
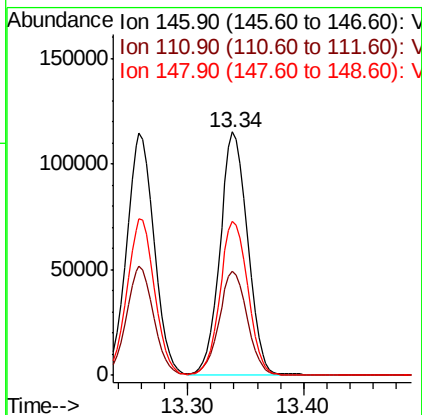
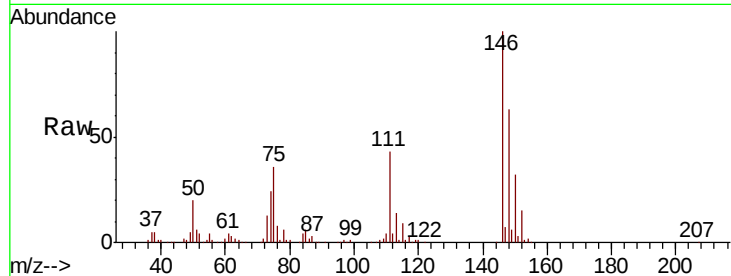




#88
 1,4-Dichlorobenzene
 Concen: 47.415 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

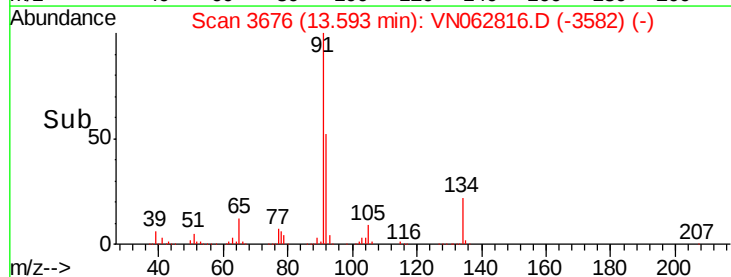
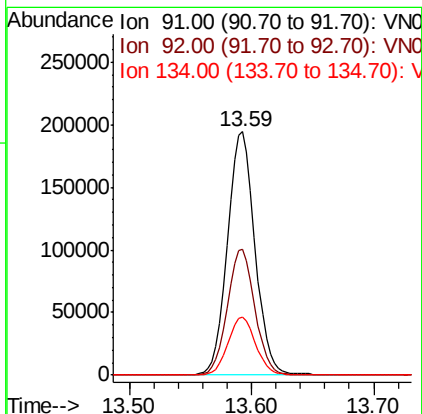
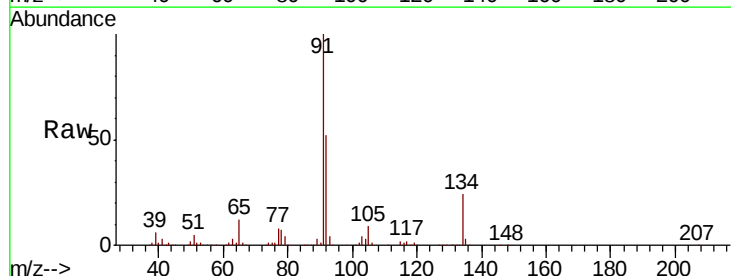
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

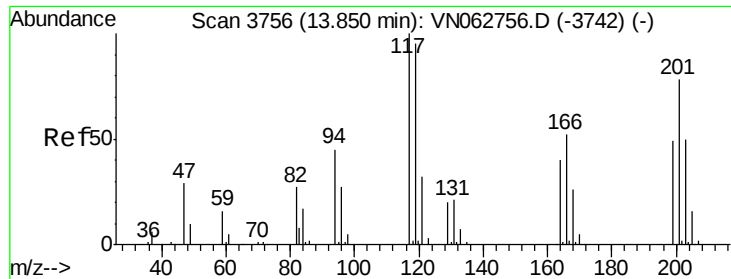
Tot Ion:146 Resp: 190578
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.6 64.6
 148 63.6 32.6 97.8



#89
 n-Butylbenzene
 Concen: 46.999 ug/l
 RT: 13.59 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion: 91 Resp: 307072
 Ion Ratio Lower Upper
 91 100
 92 51.7 25.7 77.0
 134 24.2 12.2 36.6

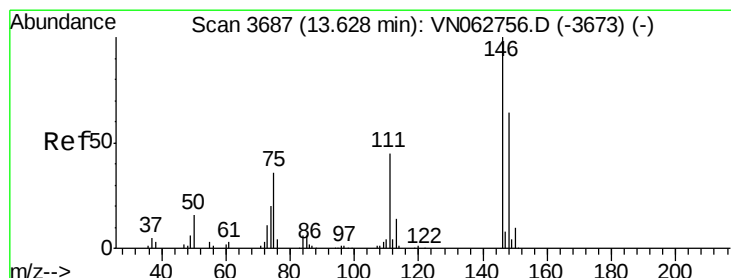
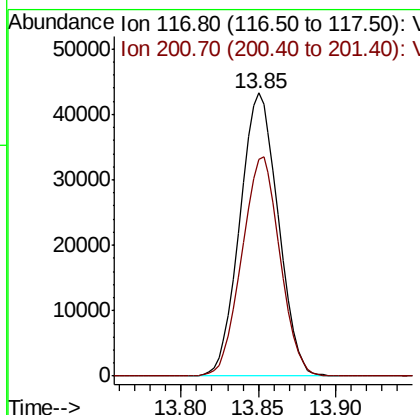
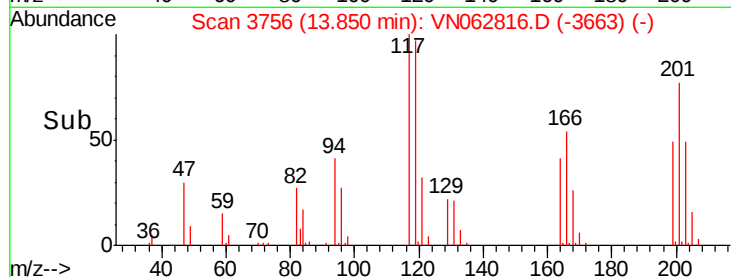
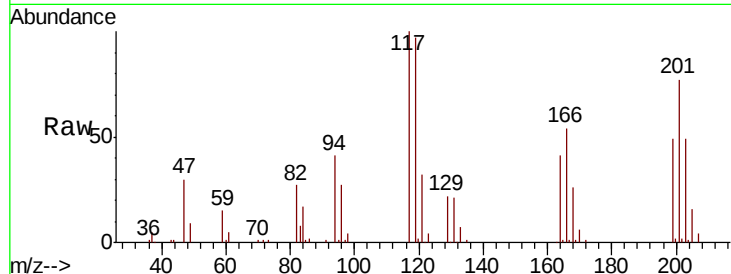




#90
Hexachloroethane
Concen: 44.828 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

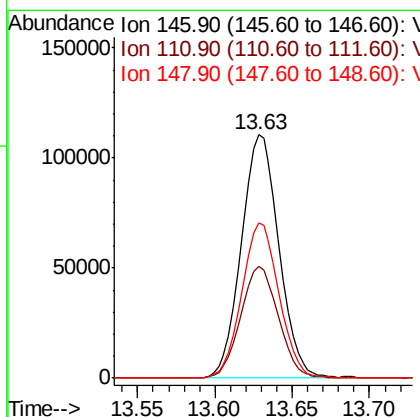
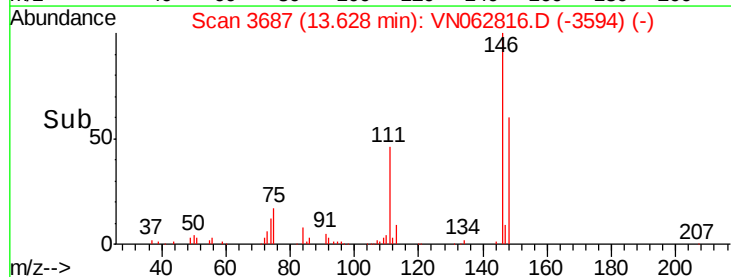
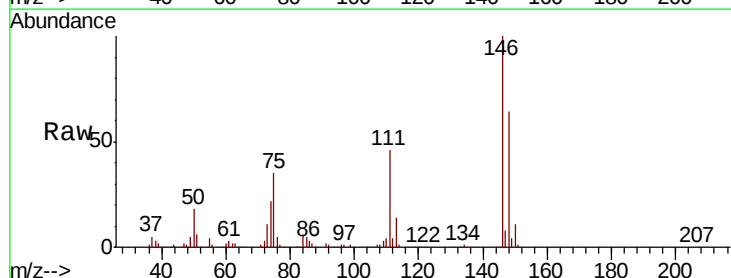
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

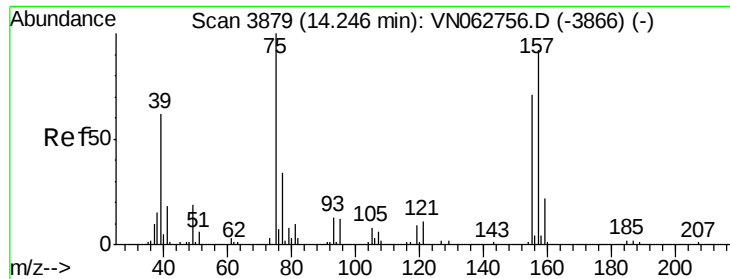
Tot Ion:117 Resp: 74648
Ion Ratio Lower Upper
117 100
201 77.0 39.2 117.6



#91
1,2-Dichlorobenzene
Concen: 49.798 ug/l
RT: 13.63 min Scan# 3687
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion:146 Resp: 187094
Ion Ratio Lower Upper
146 100
111 46.2 22.8 68.4
148 63.3 31.9 95.5

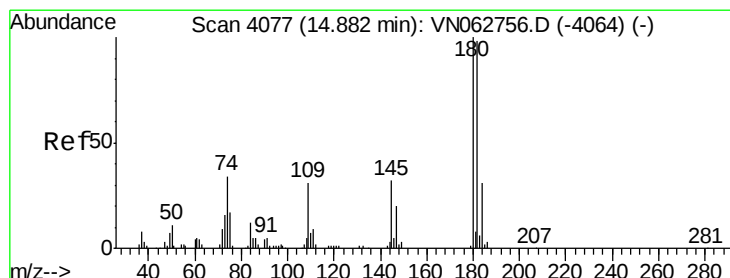
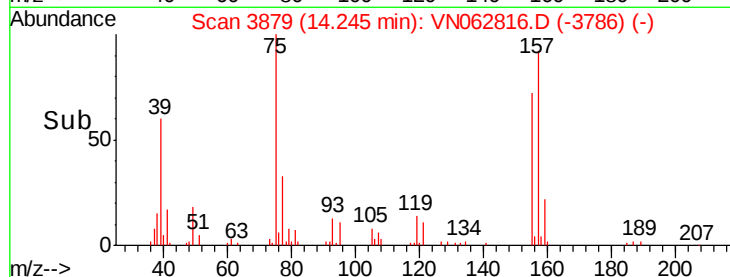
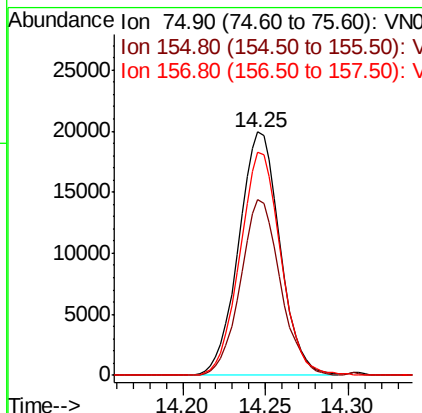
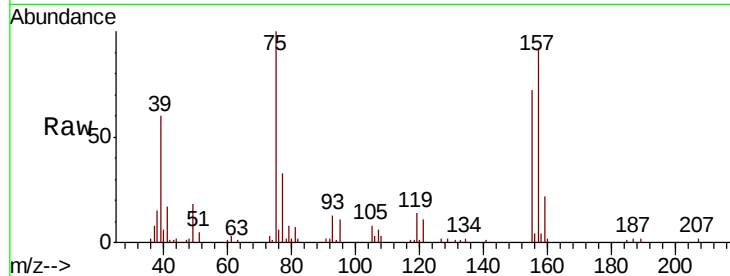




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.531 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

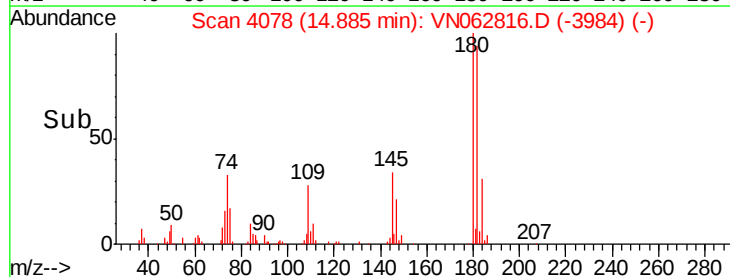
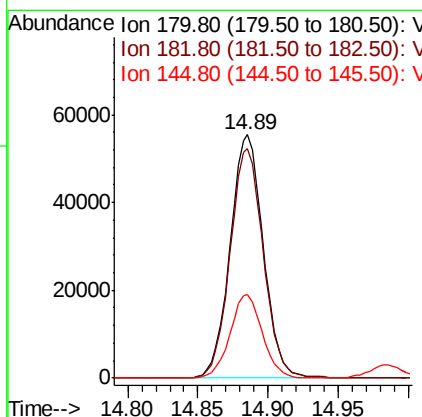
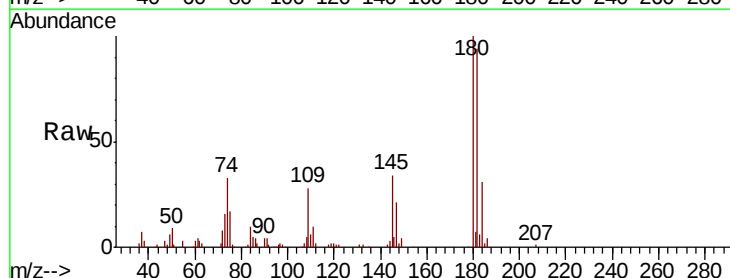
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

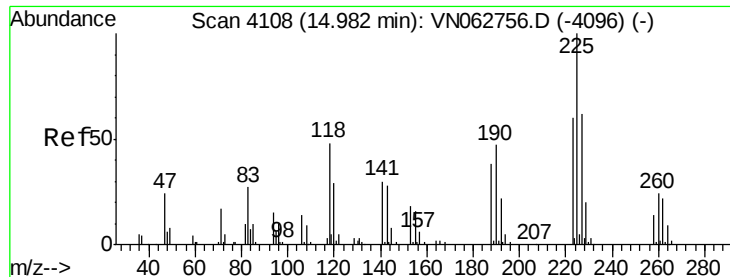
Tot Ion: 75 Resp: 34477
 Ion Ratio Lower Upper
 75 100
 155 69.7 35.0 105.1
 157 90.6 43.2 129.6



#93
 1,2,4-Trichlorobenzene
 Concen: 45.436 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion:180 Resp: 91024
 Ion Ratio Lower Upper
 180 100
 182 94.8 49.1 147.4
 145 33.4 16.3 48.8





#94

Hexachlorobutadiene

Concen: 43.224 ug/l

RT: 14.98 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

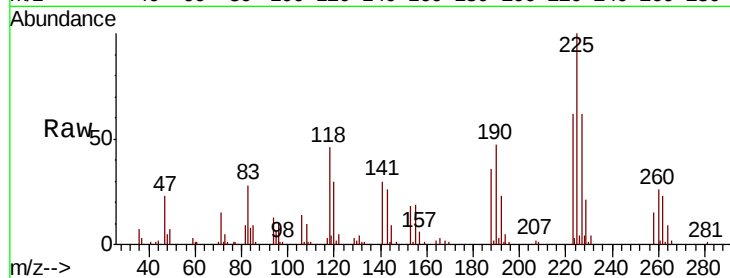
Tot Ion:225 Resp: 51362

Ion Ratio Lower Upper

225 100

223 63.8 30.6 92.0

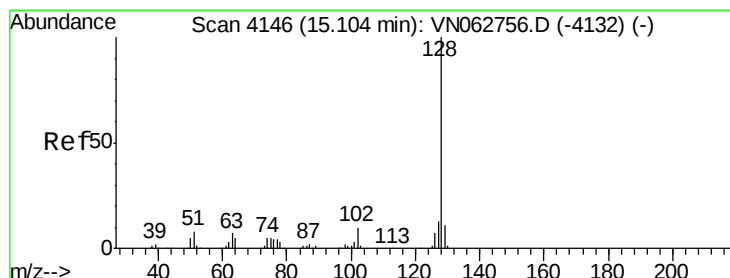
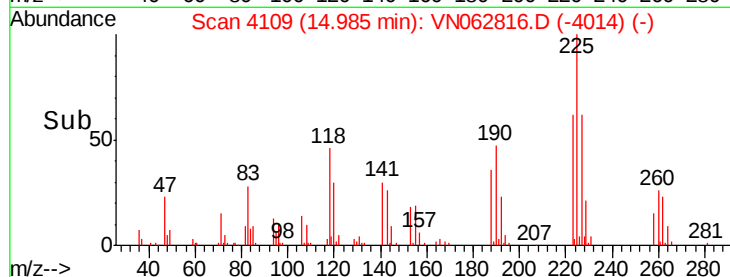
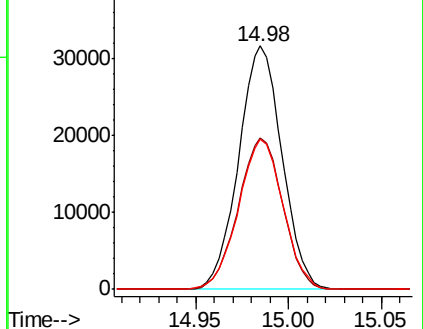
227 63.3 31.6 95.0



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: 49.090 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

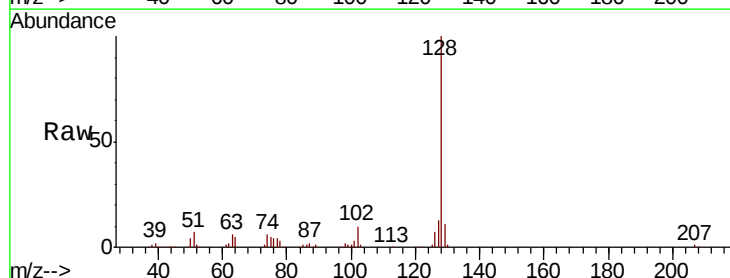
Tgt Ion:128 Resp: 270165

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

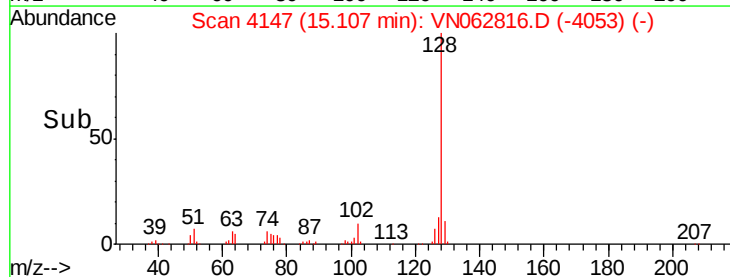
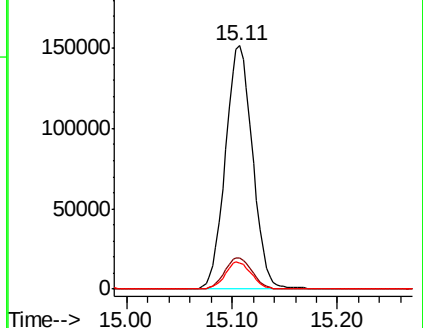
129 10.8 8.8 13.2

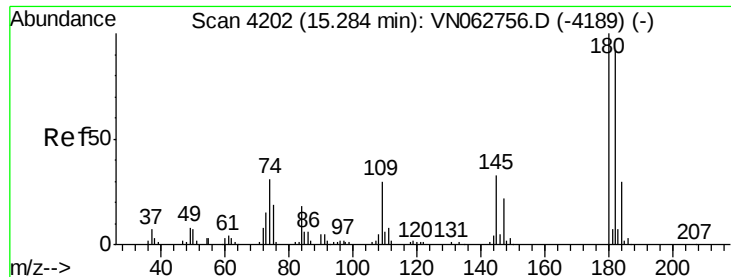


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 46.632 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.6
145	35.2	17.3	51.7

