

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062815.D
 Acq On : 10 Aug 2020 17:48
 Operator : JC/MD
 Sample : L3618-12MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Aug 11 06:56:16 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	175474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	286856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	274034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130161	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	127028	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	
35) Dibromofluoromethane	7.55	113	89759	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
50) Toluene-d8	10.06	98	343853	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	
62) 4-Bromofluorobenzene	12.38	95	130837	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	102728	40.883	ug/l	98
3) Chloromethane	2.04	50	94564	39.881	ug/l	100
4) Vinyl Chloride	2.16	62	94949	42.693	ug/l	97
5) Bromomethane	2.50	94	64549	43.845	ug/l	98
6) Chloroethane	2.65	64	68900	47.092	ug/l	97
7) Trichlorofluoromethane	2.97	101	177473	44.752	ug/l	100
8) Diethyl Ether	3.37	74	55454	48.846	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	74011	46.207	ug/l	97
10) Methyl Iodide	3.91	142	101862	52.994	ug/l	95
11) Tert butyl alcohol	4.74	59	110430	232.193	ug/l	98
12) 1,1-Dichloroethene	3.69	96	72470	48.459	ug/l	99
13) Acrolein	3.57	56	83226	289.021	ug/l	100
14) Allyl chloride	4.27	41	124990	40.684	ug/l	94
15) Acrylonitrile	4.93	53	277901	251.928	ug/l	99
16) Acetone	3.78	43	231276	220.572	ug/l	97
17) Carbon Disulfide	4.00	76	191806	45.117	ug/l	99
18) Methyl Acetate	4.28	43	124563	50.233	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	330893	48.672	ug/l	100
20) Methylene Chloride	4.50	84	93606	48.763	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	79361	45.195	ug/l	97
22) Diisopropyl ether	5.91	45	326357	49.902	ug/l	99
23) Vinyl Acetate	5.84	43	1162004	233.594	ug/l	98
24) 1,1-Dichloroethane	5.80	63	175715	45.847	ug/l	99
25) 2-Butanone	6.79	43	363101	244.507	ug/l	99
26) 2,2-Dichloropropane	6.78	77	121304	34.336	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	99954	47.451	ug/l	91
28) Bromochloromethane	7.15	49	85273	46.101	ug/l	100
29) Tetrahydrofuran	7.17	42	239271	248.006	ug/l	99
30) Chloroform	7.33	83	182472	44.800	ug/l	97
31) Cyclohexane	7.62	56	157481	44.762	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	160256	44.007	ug/l	99
36) 1,1-Dichloropropene	7.75	75	119823	42.899	ug/l	97
37) Ethyl Acetate	6.88	43	135125	46.312	ug/l	98
38) Carbon Tetrachloride	7.73	117	136925	41.449	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	142380	42.357	ug/l	98
40) Benzene	8.00	78	372910	44.741	ug/l	100
41) Methacrylonitrile	7.17	41	212592	161.470	ug/l #	6
42) 1,2-Dichloroethane	8.09	62	150880	42.532	ug/l	100
43) Isopropyl Acetate	8.13	43	224312	46.092	ug/l	98
44) Trichloroethene	8.80	130	87526	43.103	ug/l	100
45) 1,2-Dichloropropane	9.09	63	106728	47.312	ug/l	97
46) Dibromomethane	9.18	93	68962	46.657	ug/l	99
47) Bromodichloromethane	9.37	83	151081	45.511	ug/l	99
48) Methyl methacrylate	9.17	41	110338	46.095	ug/l	97
49) 1,4-Dioxane	9.17	88	44252	997.688	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	771046	244.870	ug/l	99
52) Toluene	10.13	92	229866	44.668	ug/l	96
53) t-1,3-Dichloropropene	10.36	75	158099	43.297	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	167407	45.663	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	100835	45.878	ug/l	98
56) Ethyl methacrylate	10.40	69	165356	49.983	ug/l	97
57) 1,3-Dichloropropane	10.68	76	174251	46.660	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	226197	241.892	ug/l	99
59) 2-Hexanone	10.72	43	573501	244.165	ug/l	97
60) Dibromochloromethane	10.88	129	113429	45.224	ug/l	100
61) 1,2-Dibromoethane	10.98	107	102554	47.287	ug/l	100
64) Tetrachloroethene	10.60	164	73922	41.809	ug/l	95
65) Chlorobenzene	11.41	112	254020	44.344	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	103400	44.949	ug/l	99
67) Ethyl Benzene	11.49	91	462757	45.143	ug/l	98
68) m/p-Xylenes	11.60	106	337911	90.811	ug/l	98
69) o-Xylene	11.92	106	165306	47.405	ug/l	98
70) Styrene	11.94	104	295325	48.181	ug/l	98
71) Bromoform	12.10	173	83314	44.266	ug/l #	100
73) Isopropylbenzene	12.23	105	459409	46.873	ug/l	99
74) N-amyl acetate	12.05	43	203526	51.242	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	159262	46.160	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	208381	59.363	ug/l #	100
77) Bromobenzene	12.50	156	109998	45.169	ug/l	97
78) n-propylbenzene	12.57	91	517186	44.953	ug/l	99
79) 2-Chlorotoluene	12.65	91	323961	44.903	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	399337	46.965	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	53620	46.630	ug/l	95
82) 4-Chlorotoluene	12.75	91	338414	45.517	ug/l	99
83) tert-Butylbenzene	12.97	119	337239	46.872	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	390655	48.024	ug/l	100
85) sec-Butylbenzene	13.15	105	434102	45.945	ug/l	100
86) p-Isopropyltoluene	13.26	119	384569	45.855	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	195103	44.846	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	193266	44.292	ug/l	97
89) n-Butylbenzene	13.59	91	298422	42.073	ug/l	99
90) Hexachloroethane	13.85	117	77574	42.911	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	191763	47.016	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	34484	46.555	ug/l	94

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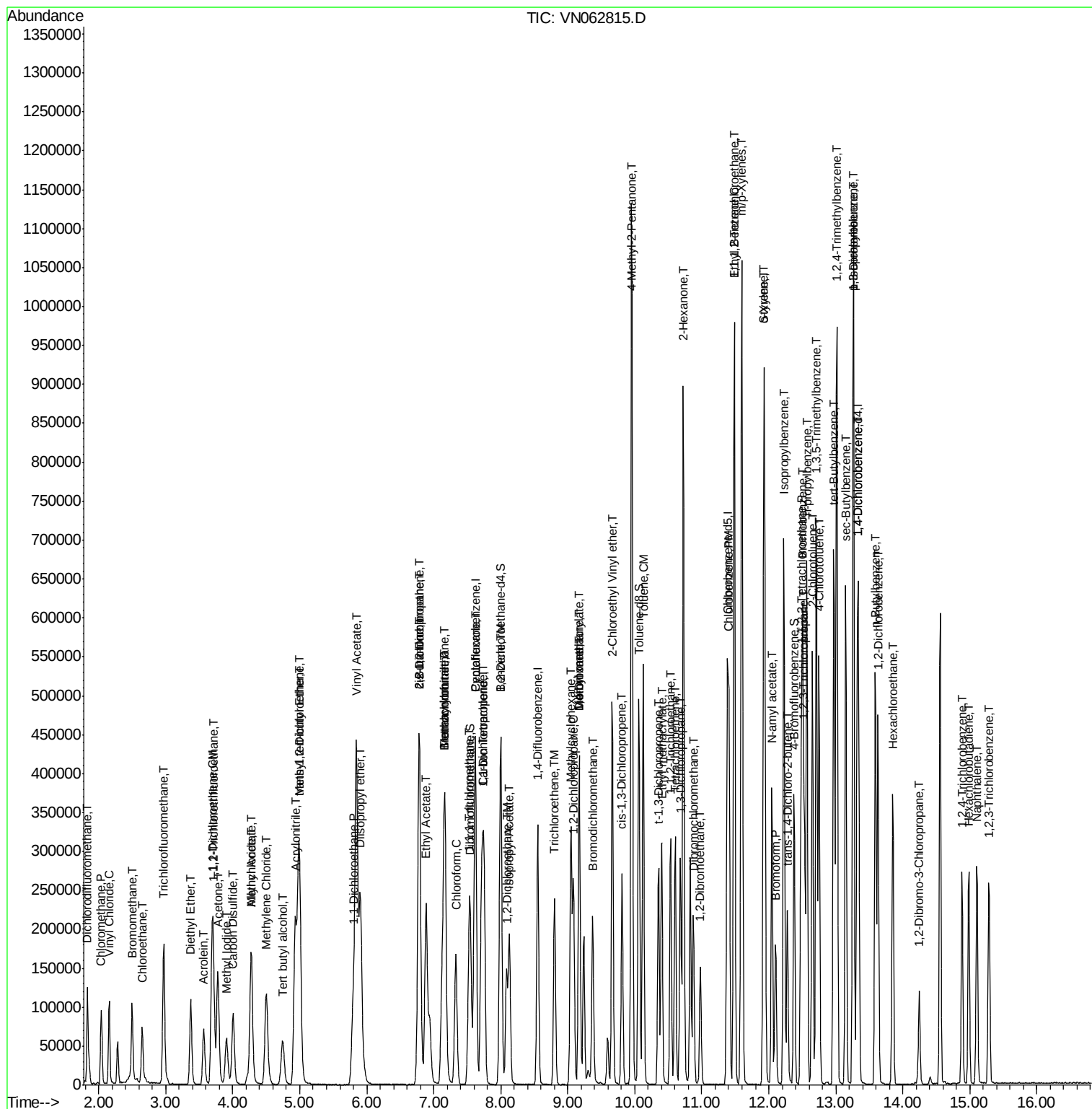
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	85325	39.686	ug/l	97
94) Hexachlorobutadiene	14.99	225	53488	41.399	ug/l	99
95) Naphthalene	15.10	128	237568	40.467	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	87720	41.144	ug/l	99

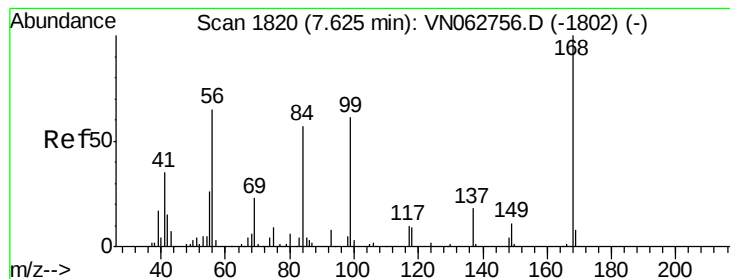
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081020\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

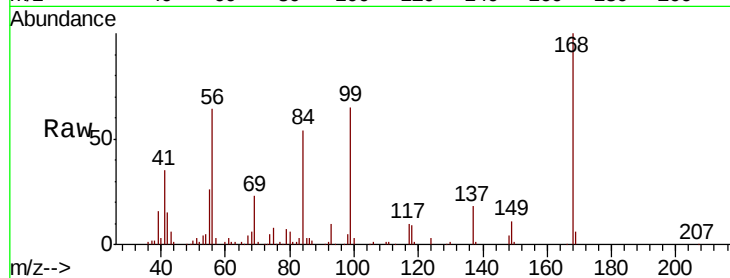
BP-VPB179-GW-498-500MS

Tot Ion:168 Resp: 175474

Ion Ratio Lower Upper

168 100

99 64.2 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062756.D (-1802) (-)

Ion 98.90 (98.60 to 99.60): VN062756.D (-1802) (-)

7.63

80000

60000

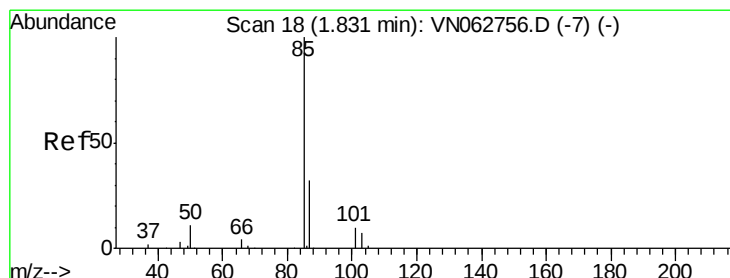
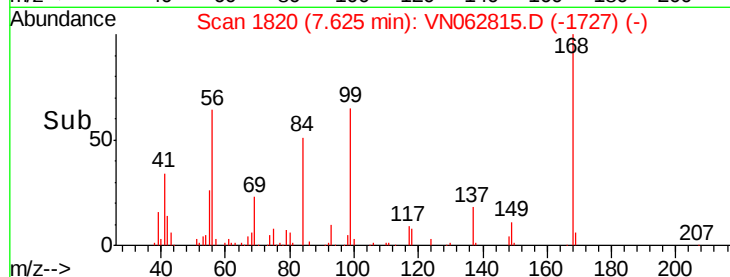
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 40.883 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062815.D

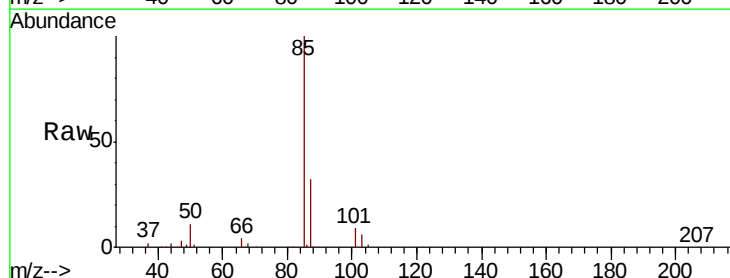
Acq: 10 Aug 2020 17:48

Tgt Ion: 85 Resp: 102728

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN062756.D (-7) (-)

Ion 86.90 (86.60 to 87.60): VN062756.D (-7) (-)

1.83

80000

60000

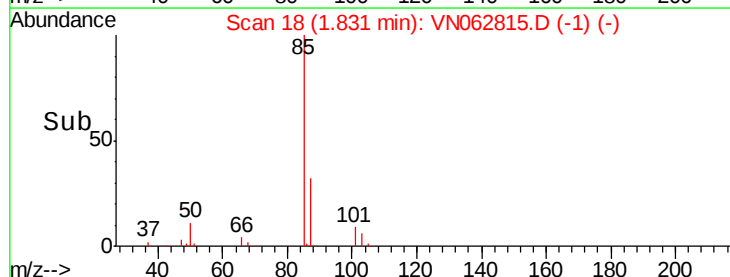
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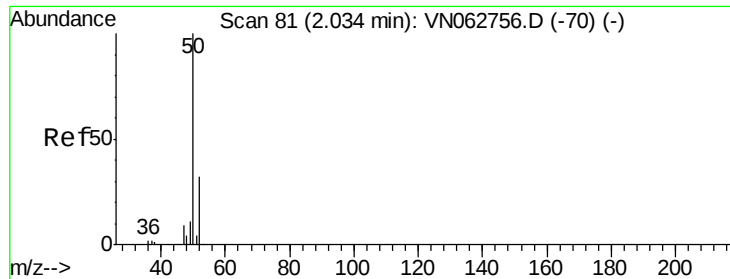
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 39.881 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

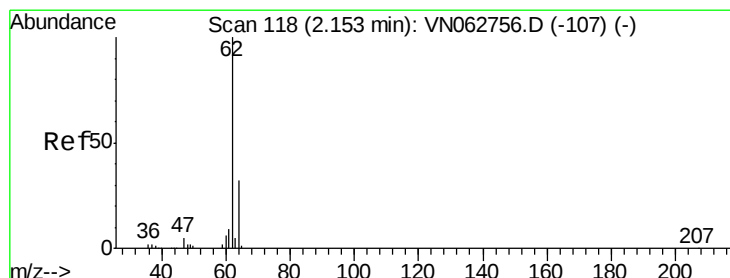
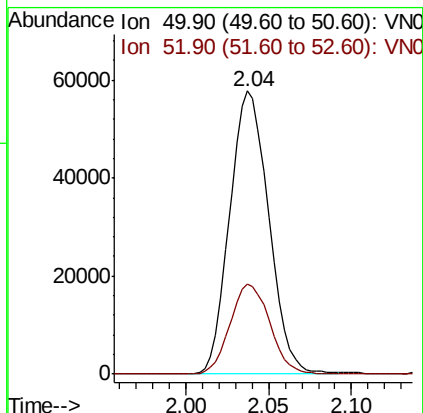
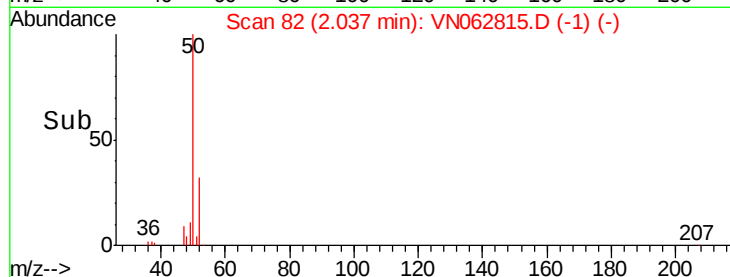
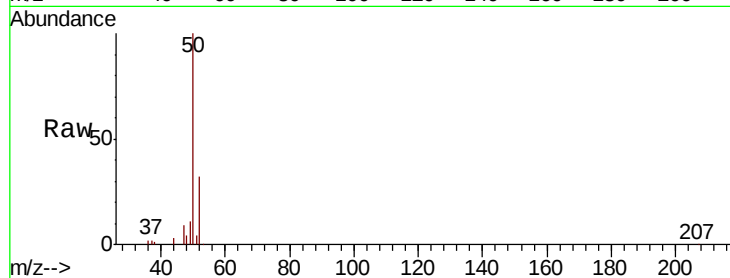
BP-VPB179-GW-498-500MS

Tot Ion: 50 Resp: 94564

Ion Ratio Lower Upper

50 100

52 32.0 25.6 38.4



#4

Vinyl Chloride

Concen: 42.693 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062815.D

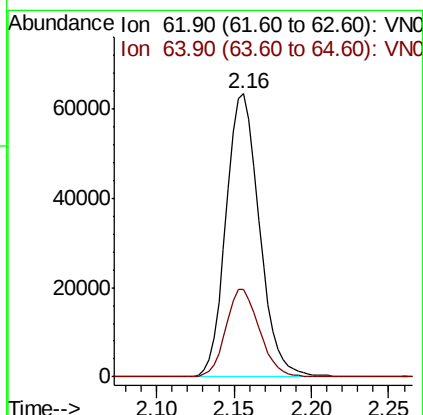
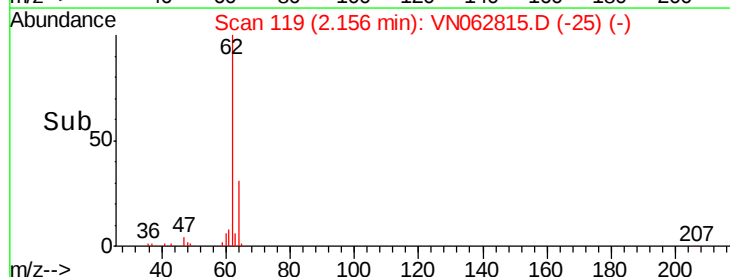
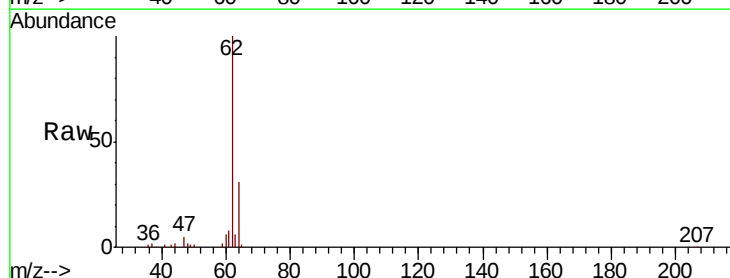
Acq: 10 Aug 2020 17:48

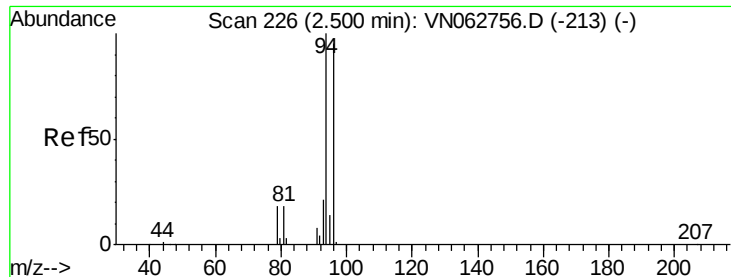
Tgt Ion: 62 Resp: 94949

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8





#5

Bromomethane

Concen: 43.845 ug/l

RT: 2.50 min Scan# 225

Delta R.T. -0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

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ClientSampleId :

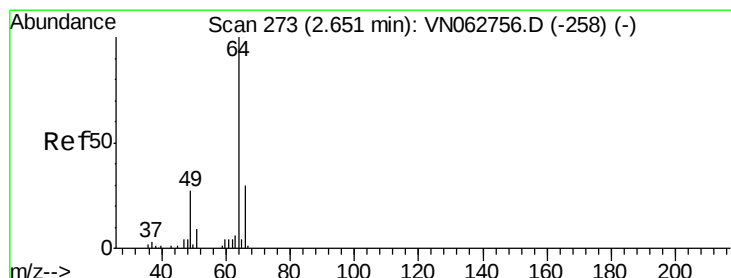
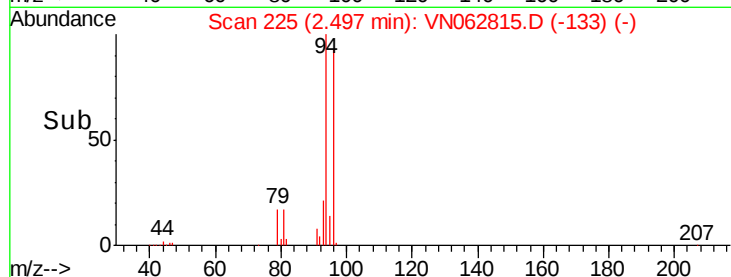
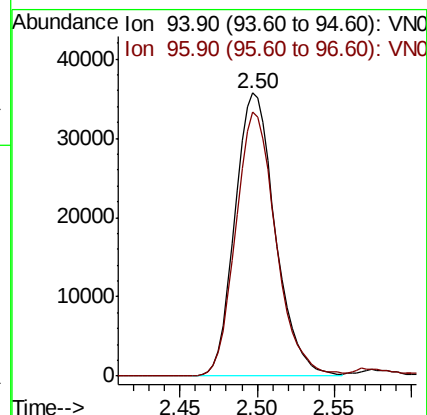
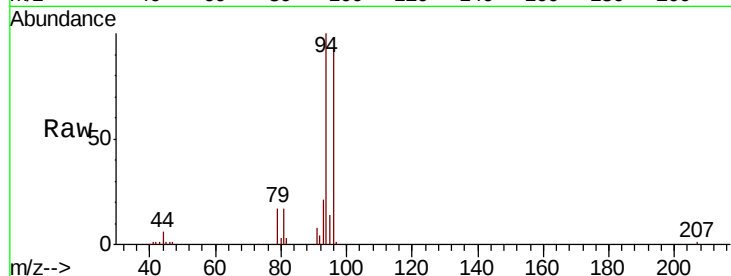
BP-VPB179-GW-498-500MS

Tot Ion: 94 Resp: 64549

Ion Ratio Lower Upper

94 100

96 93.2 76.2 114.4



#6

Chloroethane

Concen: 47.092 ug/l

RT: 2.65 min Scan# 272

Delta R.T. -0.00 min

Lab File: VN062815.D

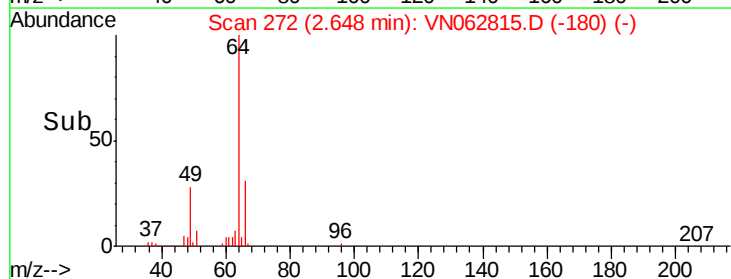
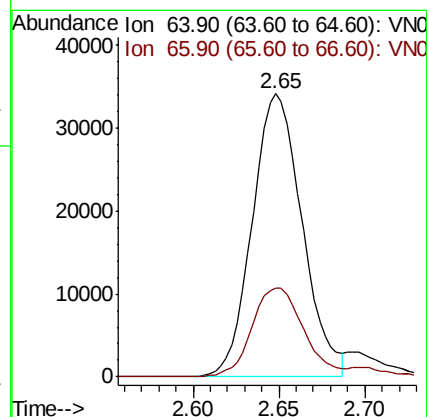
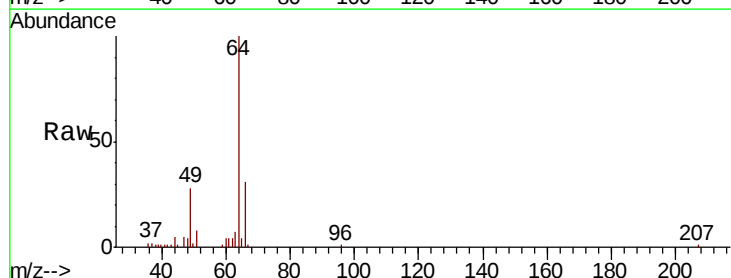
Acq: 10 Aug 2020 17:48

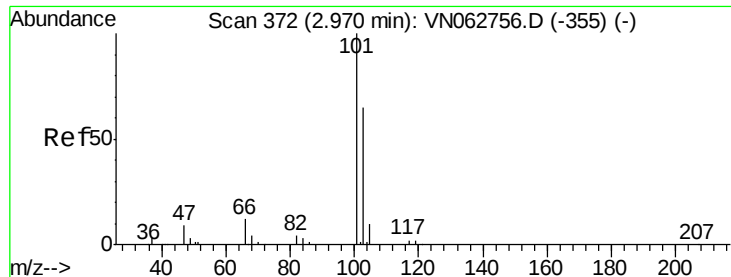
Tgt Ion: 64 Resp: 68900

Ion Ratio Lower Upper

64 100

66 31.4 24.0 36.0



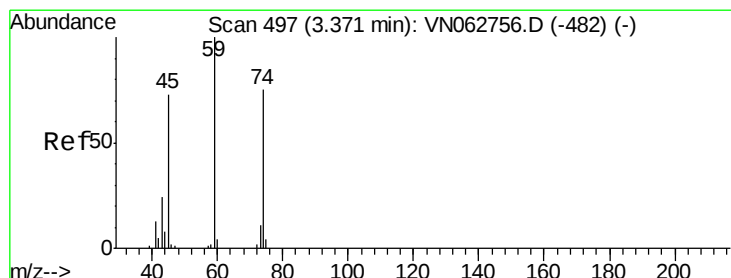
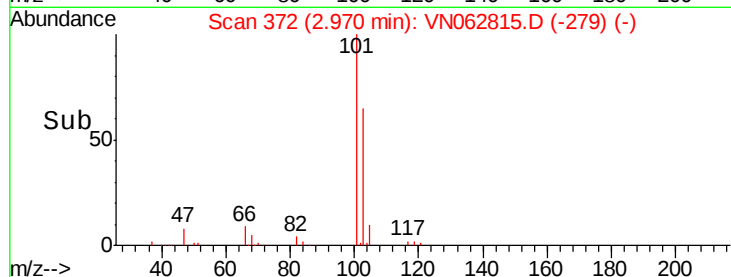
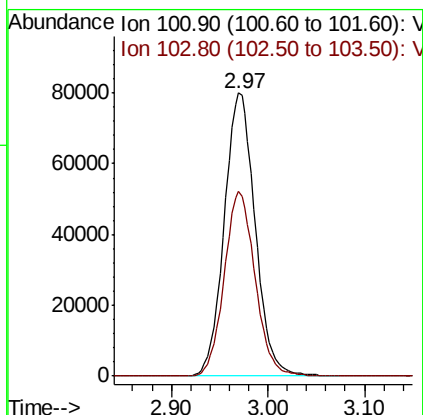
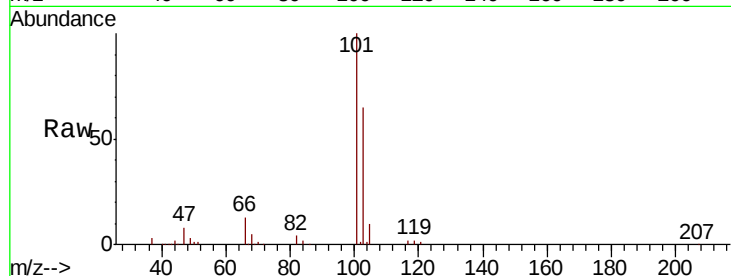


#7

Trichlorofluoromethane
 Concen: 44.752 ug/l
 RT: 2.97 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Instrument :
 MSVOA_N
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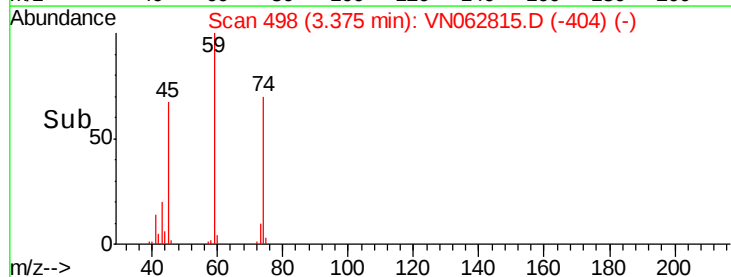
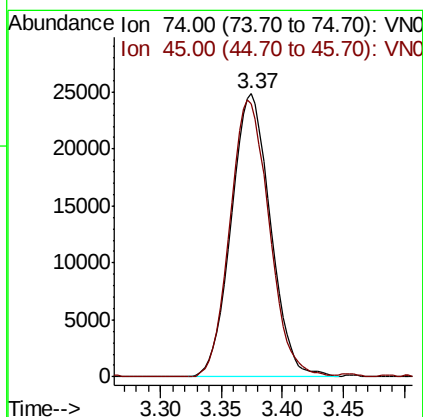
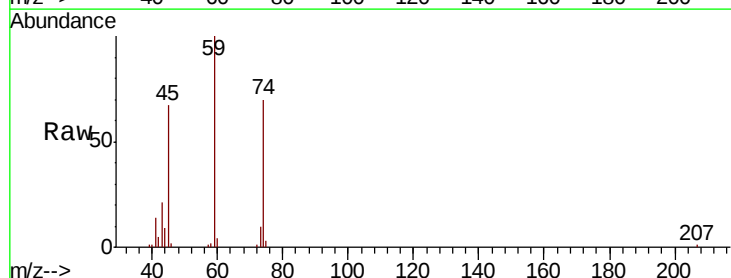
Tot Ion:101 Resp: 177473
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.3 78.5

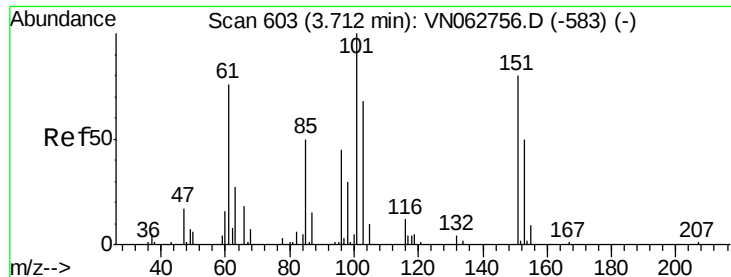


#8

Diethyl Ether
 Concen: 48.846 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion: 74 Resp: 55454
 Ion Ratio Lower Upper
 74 100
 45 98.2 48.7 146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.207 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

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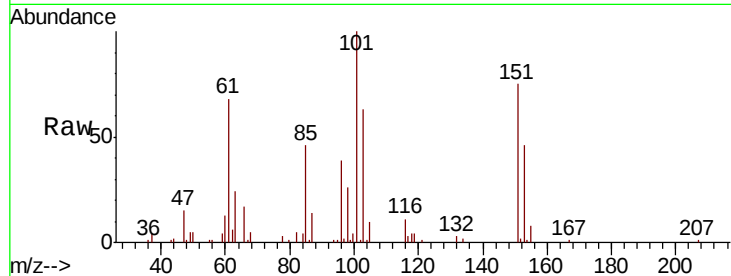
Tot Ion:101 Resp: 74011

Ion Ratio Lower Upper

101 100

85 45.5 38.5 57.7

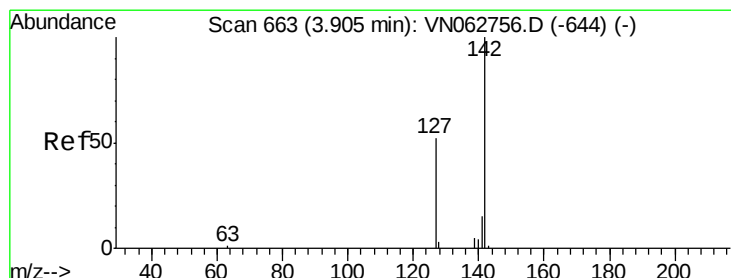
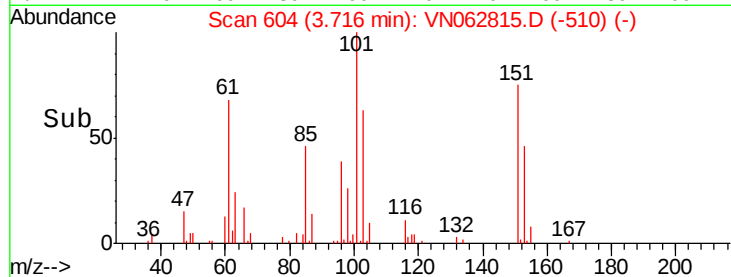
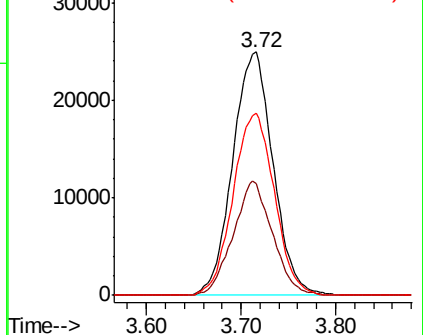
151 76.5 63.0 94.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.994 ug/l

RT: 3.91 min Scan# 663

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

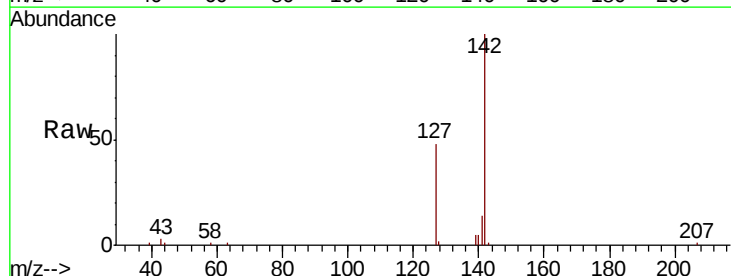
Tgt Ion:142 Resp: 101862

Ion Ratio Lower Upper

142 100

127 47.9 41.4 62.0

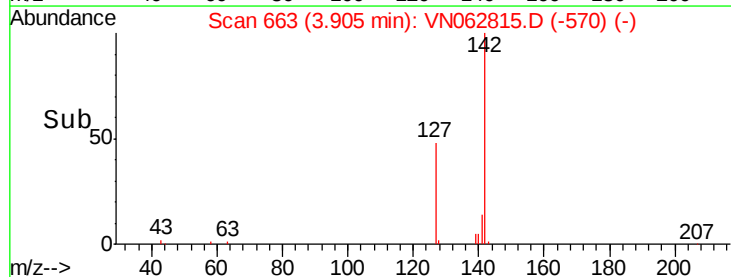
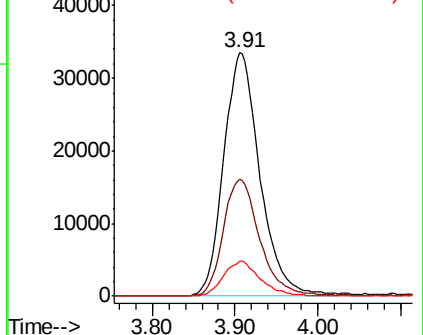
141 14.5 12.2 18.4

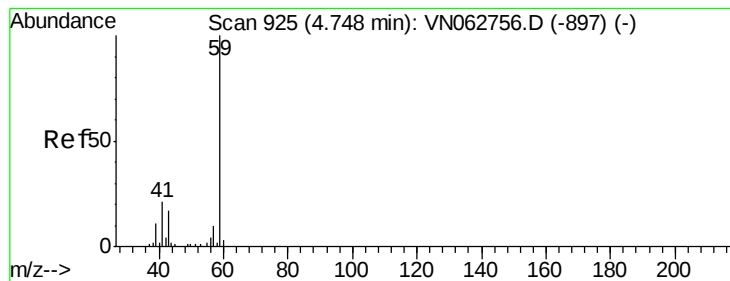


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



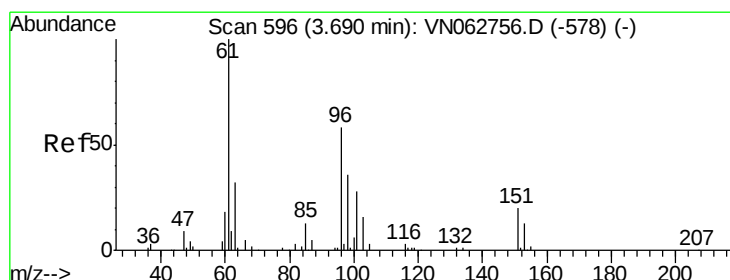
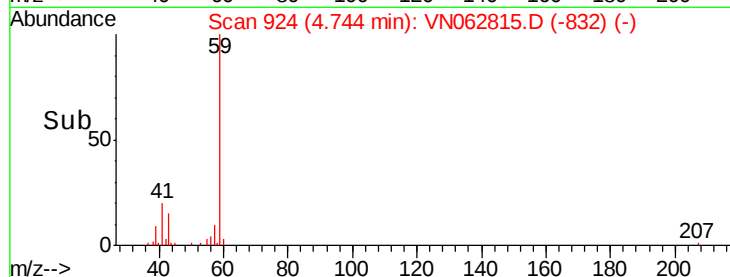
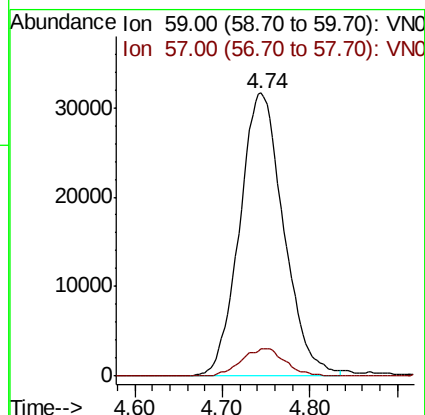
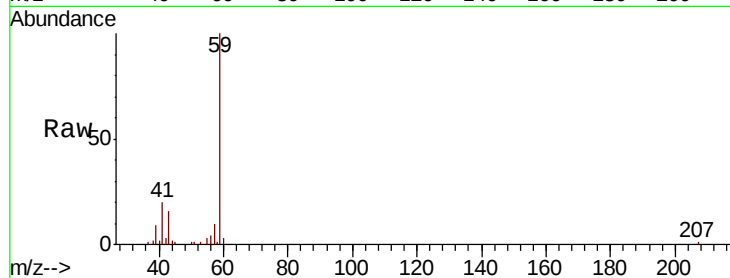


#11

Tert butyl alcohol
Concen: 232.193 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

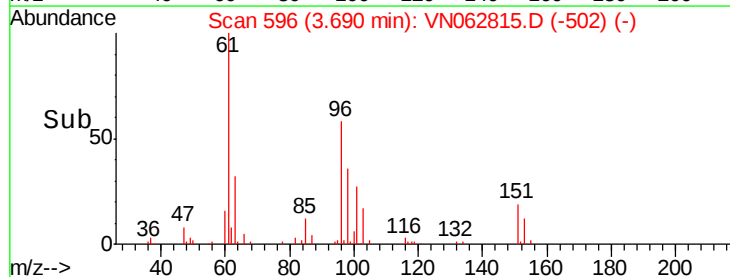
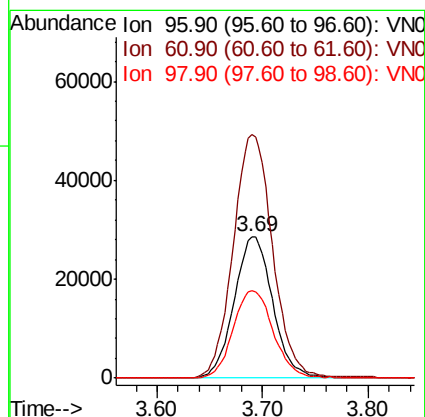
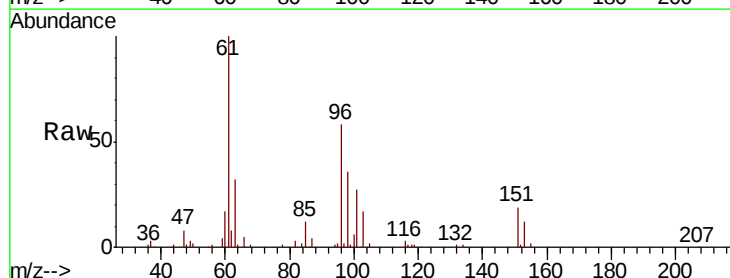
Tot Ion: 59 Resp: 110430
Ion Ratio Lower Upper
59 100
57 9.7 8.3 12.5

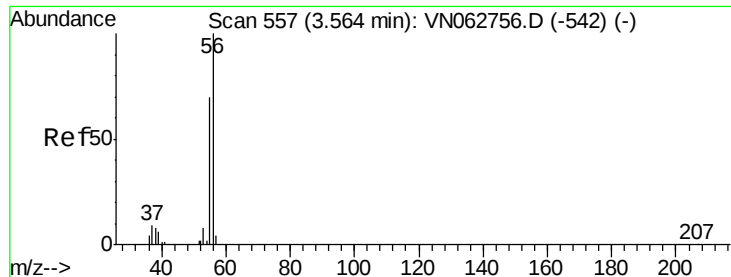


#12

1,1-Dichloroethene
Concen: 48.459 ug/l
RT: 3.69 min Scan# 596
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion: 96 Resp: 72470
Ion Ratio Lower Upper
96 100
61 172.0 139.0 208.6
98 61.8 50.2 75.4





#13

Acrolein

Concen: 289.021 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

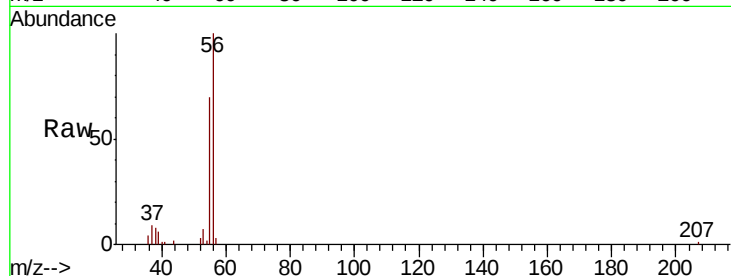
BP-VPB179-GW-498-500MS

Tot Ion: 56 Resp: 83226

Ion Ratio Lower Upper

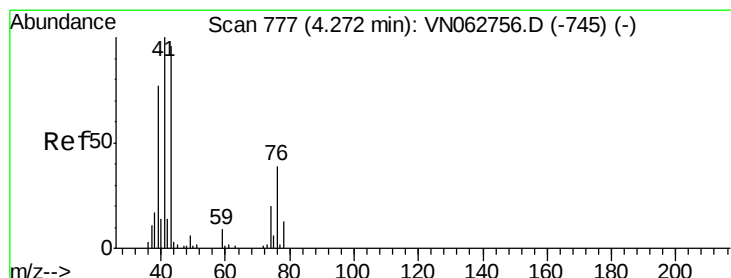
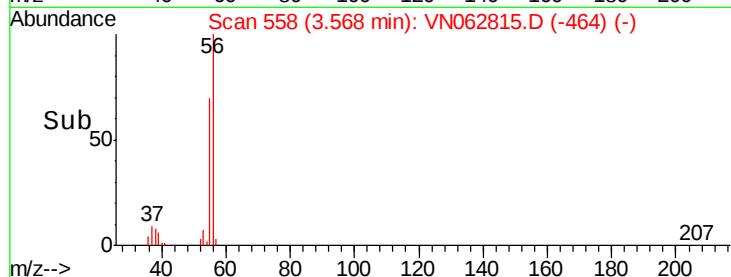
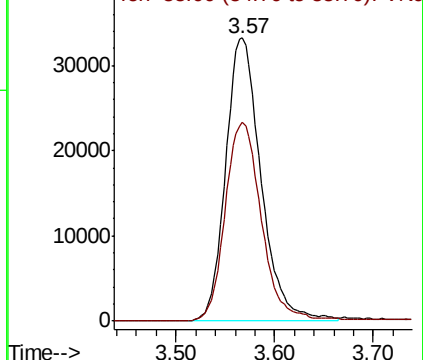
56 100

55 71.3 57.0 85.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 40.684 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

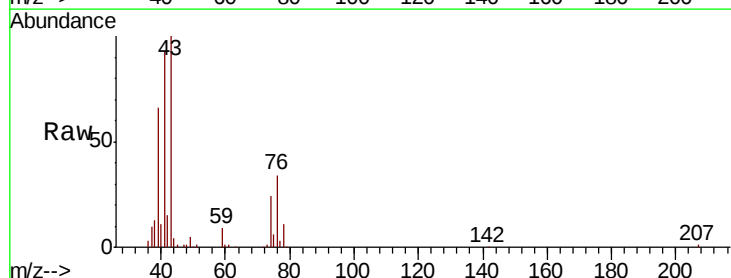
Tgt Ion: 41 Resp: 124990

Ion Ratio Lower Upper

41 100

39 63.2 55.7 83.5

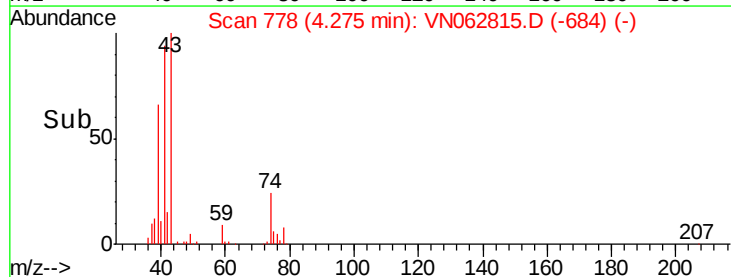
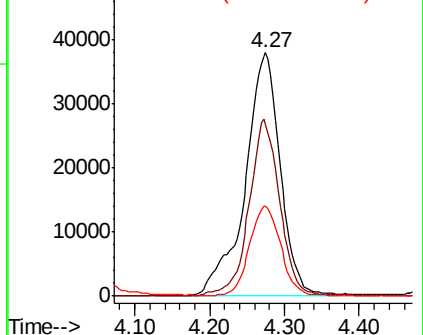
76 32.8 27.5 41.3

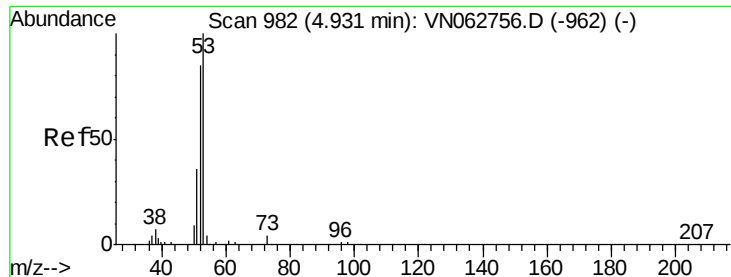


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 251.928 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

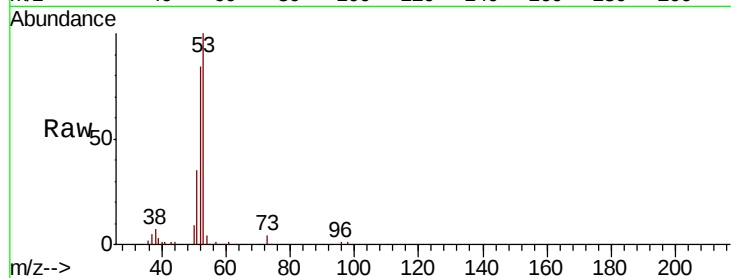
Tot Ion: 53 Resp: 277901

Ion Ratio Lower Upper

53 100

52 83.0 66.8 100.2

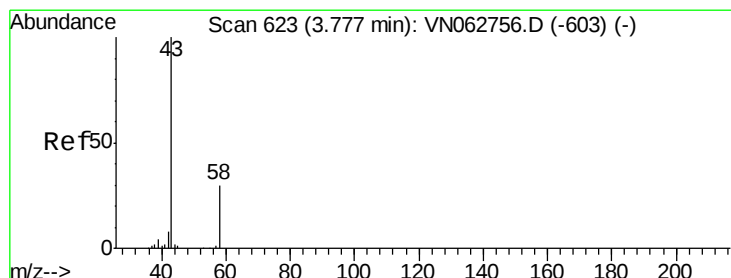
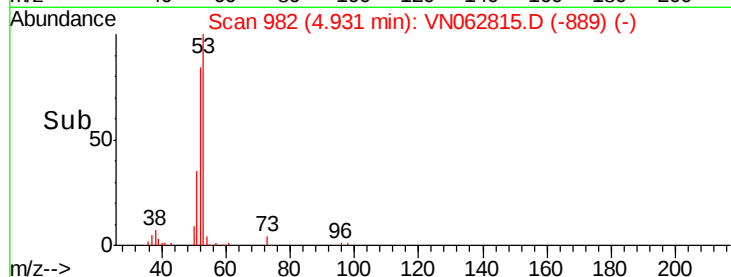
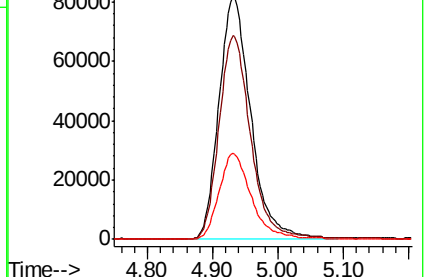
51 35.8 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN062815.D (-530) (-)

Ion 52.00 (51.70 to 52.70): VN062815.D (-520) (-)

Ion 51.00 (50.70 to 51.70): VN062815.D (-510) (-)



#16

Acetone

Concen: 220.572 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062815.D

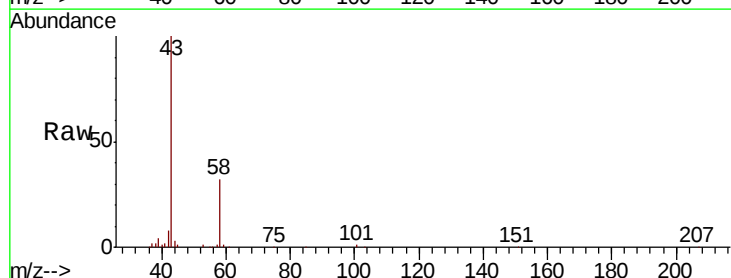
Acq: 10 Aug 2020 17:48

Tgt Ion: 43 Resp: 231276

Ion Ratio Lower Upper

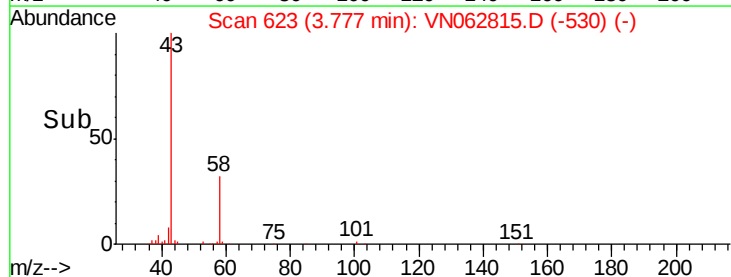
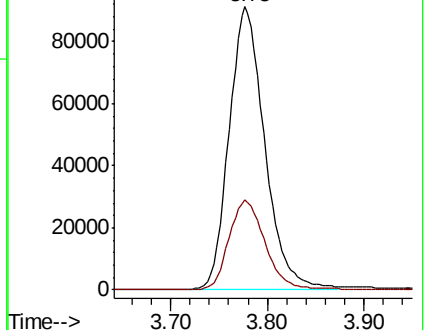
43 100

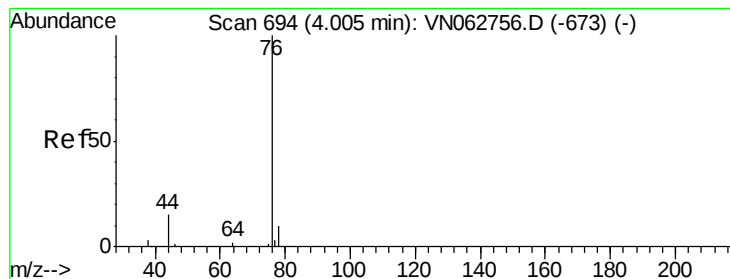
58 31.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062815.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN062815.D (-520) (-)





#17

Carbon Disulfide

Concen: 45.117 ug/l

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

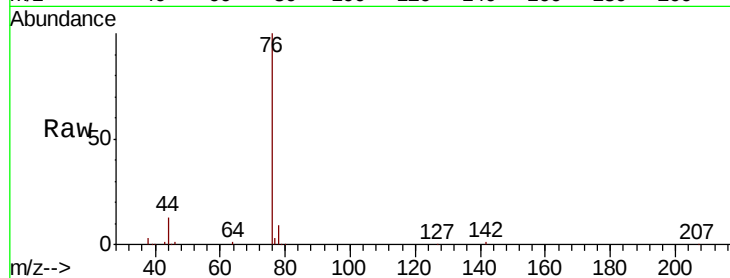
BP-VPB179-GW-498-500MS

Tot Ion: 76 Resp: 191806

Ion Ratio Lower Upper

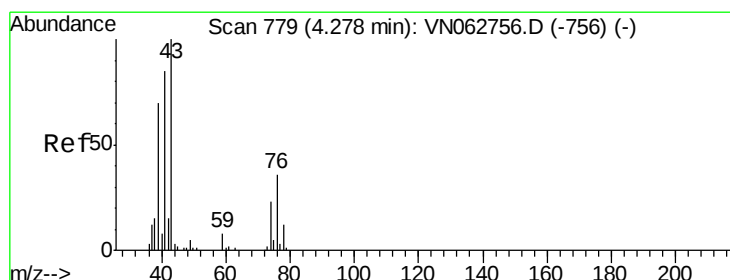
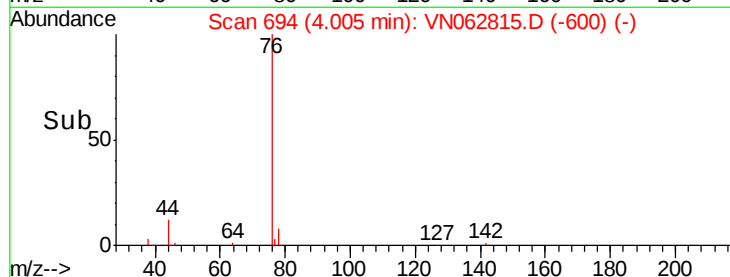
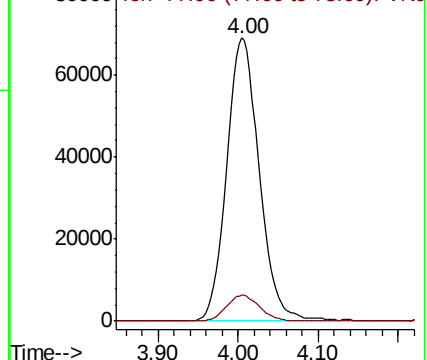
76 100

78 9.2 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN062815.D (-600) (-)

Ion 77.90 (77.60 to 78.60): VN062815.D (-600) (-)



#18

Methyl Acetate

Concen: 50.233 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062815.D

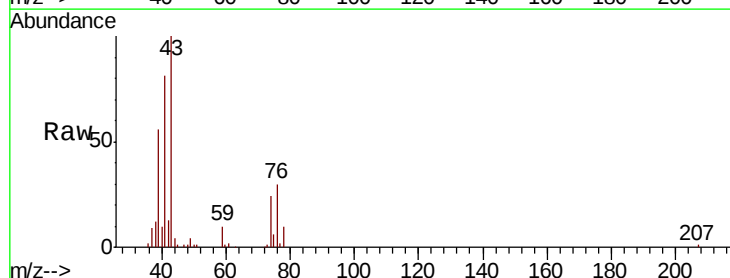
Acq: 10 Aug 2020 17:48

Tgt Ion: 43 Resp: 124563

Ion Ratio Lower Upper

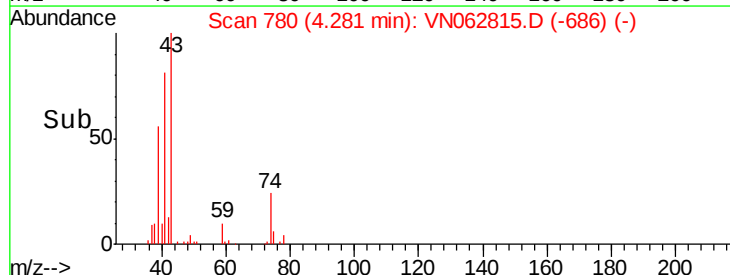
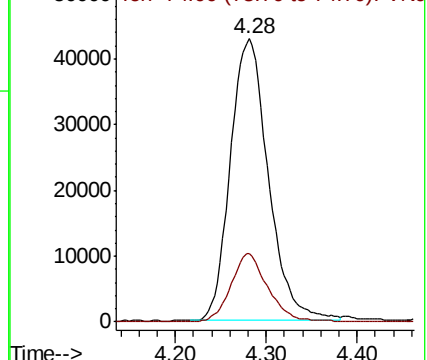
43 100

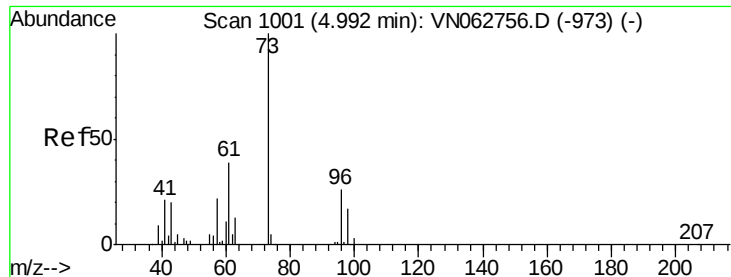
74 23.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN062815.D (-686) (-)

Ion 74.00 (73.70 to 74.70): VN062815.D (-686) (-)

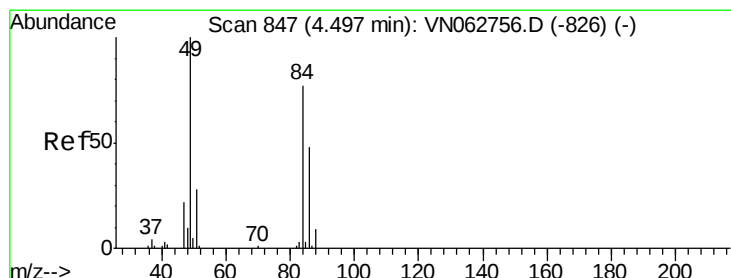
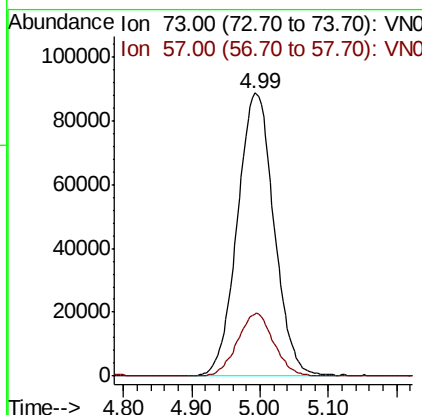
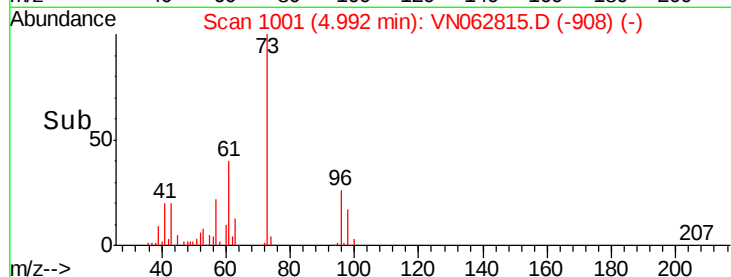
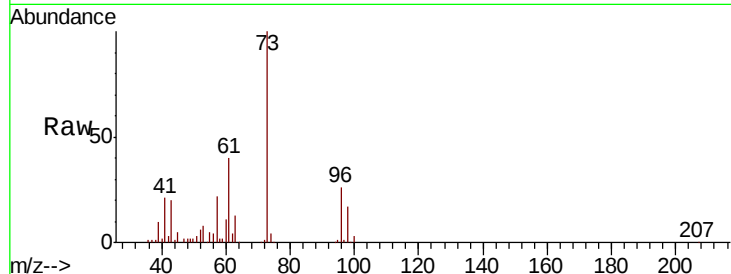




#19
Methyl tert-butyl Ether
Concen: 48.672 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

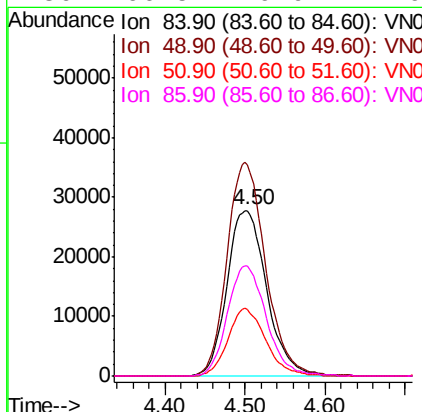
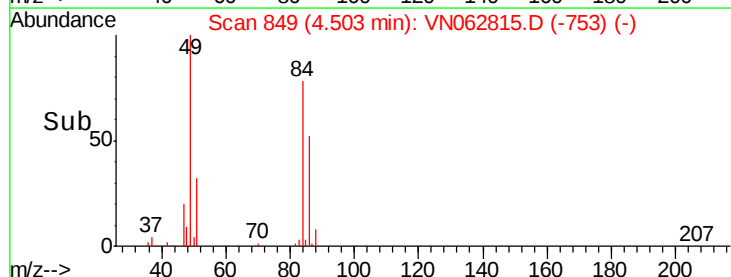
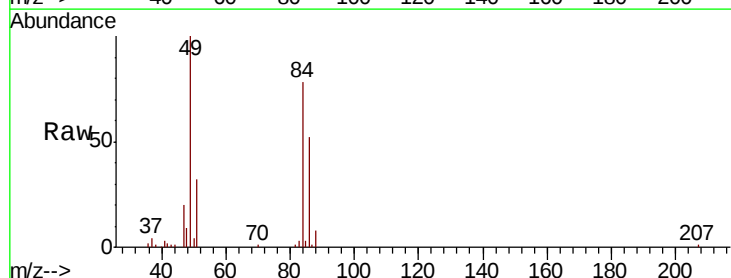
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MS

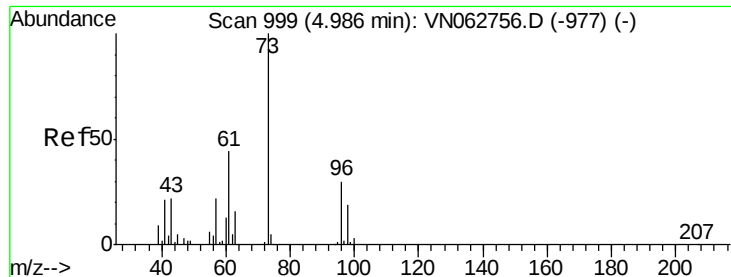
Tot Ion: 73 Resp: 330893
Ion Ratio Lower Upper
73 100
57 21.9 17.5 26.3



#20
Methylene Chloride
Concen: 48.763 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion: 84 Resp: 93606
Ion Ratio Lower Upper
84 100
49 127.5 103.4 155.2
51 40.4 29.3 43.9
86 66.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 45.195 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

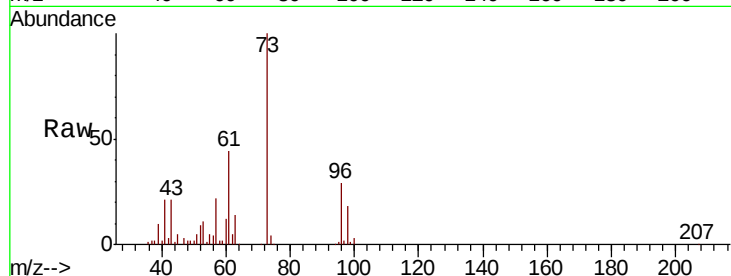
Tot Ion: 96 Resp: 79361

Ion Ratio Lower Upper

96 100

61 152.3 118.8 178.2

98 61.3 51.0 76.4

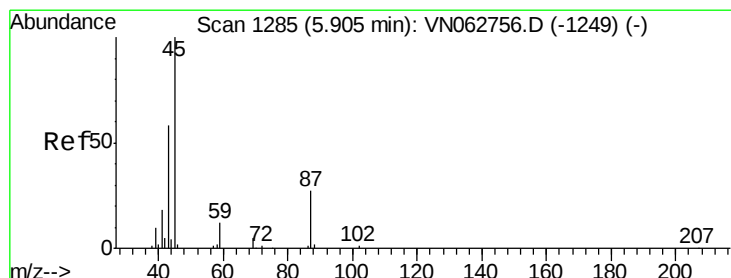
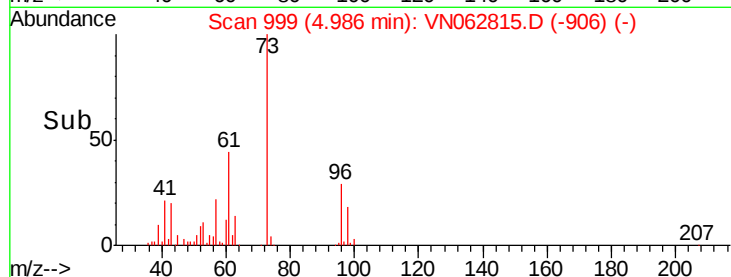
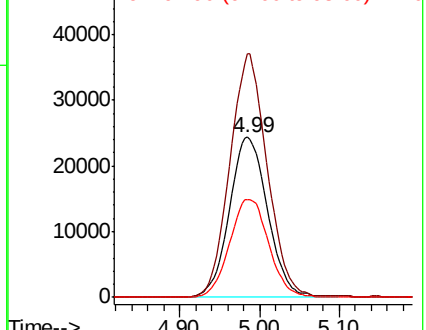


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.902 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Tgt Ion: 45 Resp: 326357

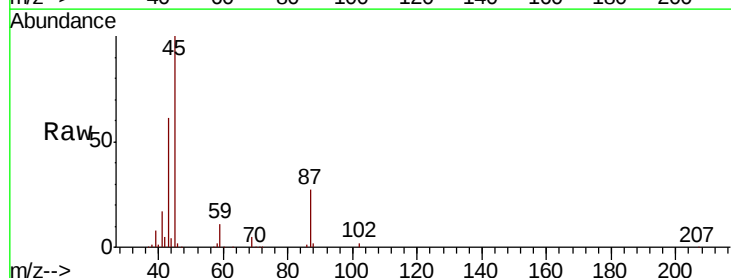
Ion Ratio Lower Upper

45 100

43 59.6 47.4 71.2

87 27.3 22.8 34.2

59 11.2 9.9 14.9



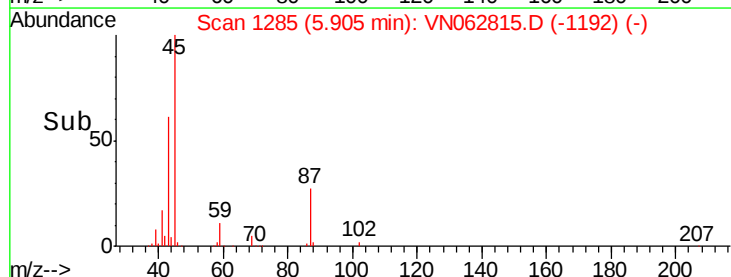
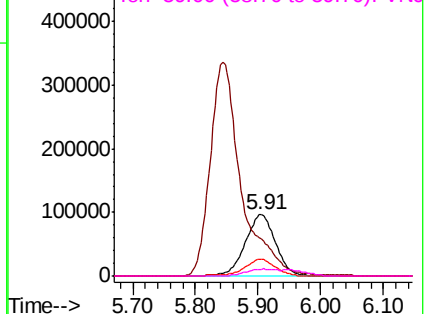
Abundance

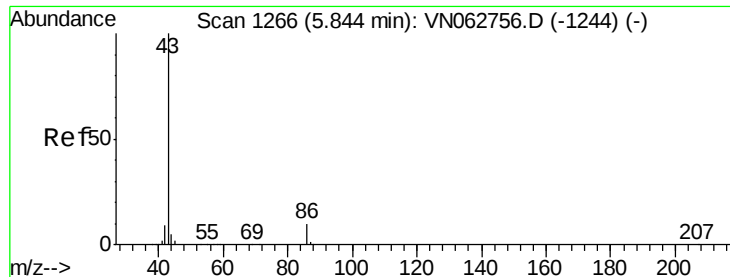
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 233.594 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

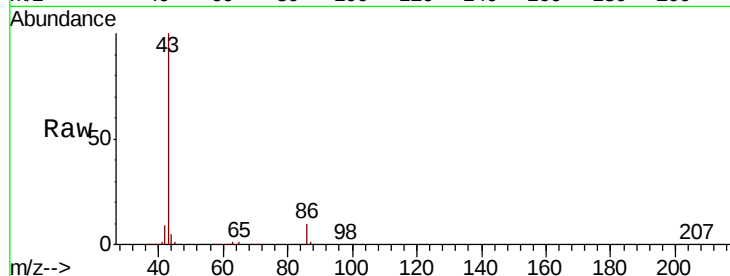
BP-VPB179-GW-498-500MS

Tot Ion: 43 Resp: 1162004

Ion Ratio Lower Upper

43 100

86 10.2 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN062815.D (-1173) (-)

Ion 86.00 (85.70 to 86.70): VN062815.D (-1173) (-)

5.84

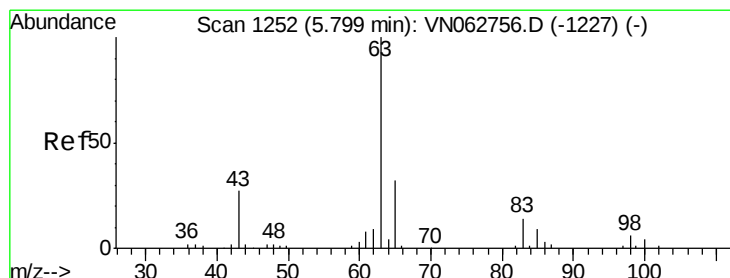
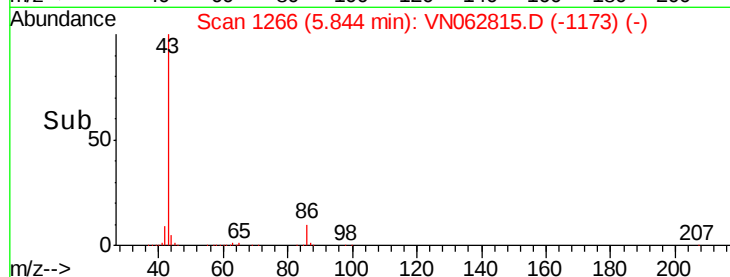
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.847 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

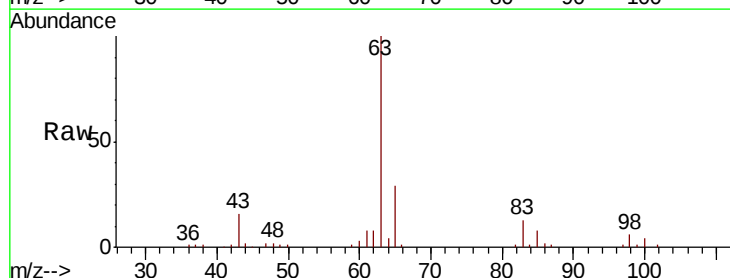
Tgt Ion: 63 Resp: 175715

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 3.6 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN062815.D (-1159) (-)

Ion 97.90 (97.60 to 98.60): VN062815.D (-1159) (-)

Ion 99.90 (99.60 to 100.60): VN062815.D (-1159) (-)

5.80

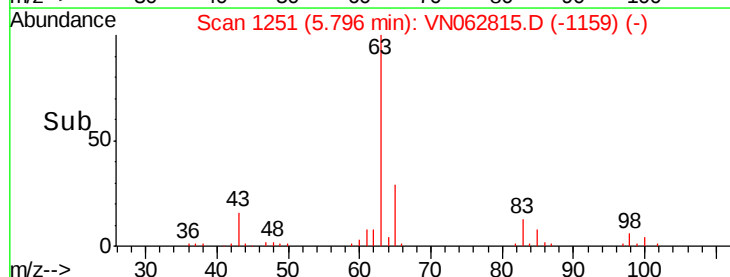
60000

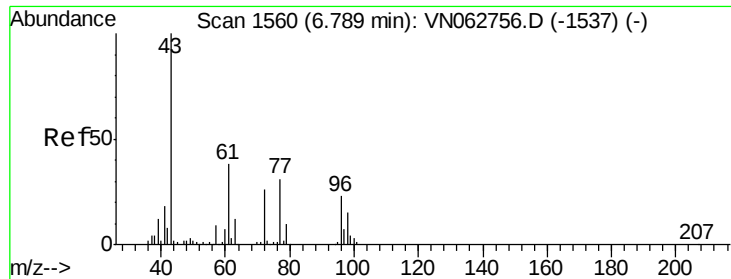
40000

20000

0

Time-->





#25

2-Butanone

Concen: 244.507 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

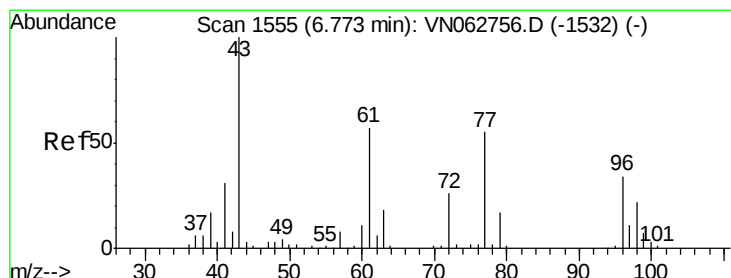
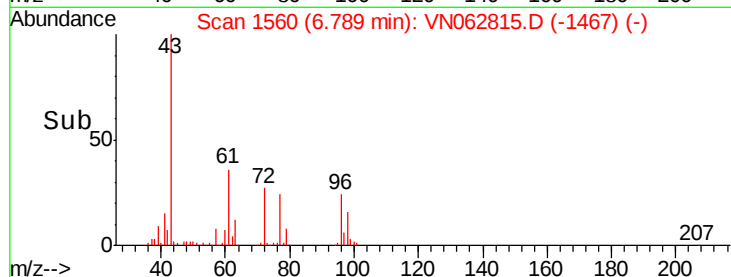
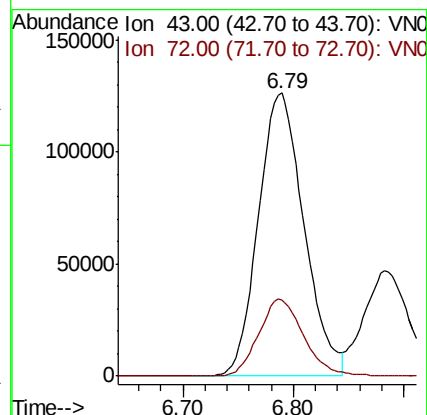
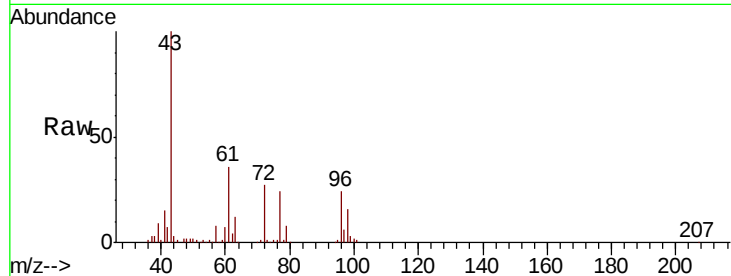
BP-VPB179-GW-498-500MS

Tot Ion: 43 Resp: 363101

Ion Ratio Lower Upper

43 100

72 27.0 21.1 31.7



#26

2,2-Dichloropropane

Concen: 34.336 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062815.D

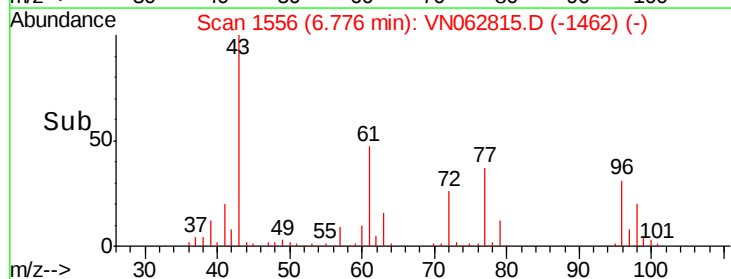
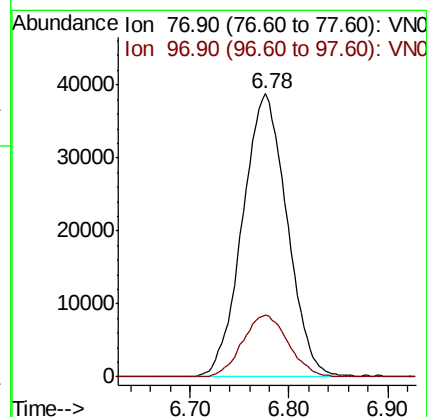
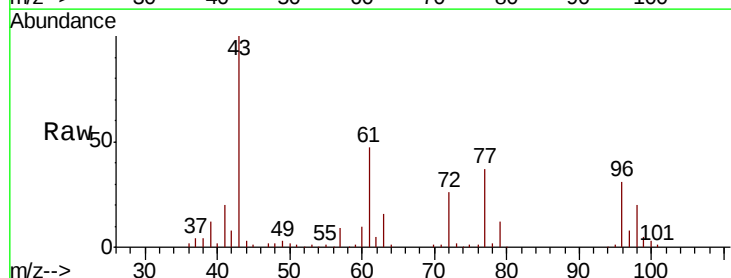
Acq: 10 Aug 2020 17:48

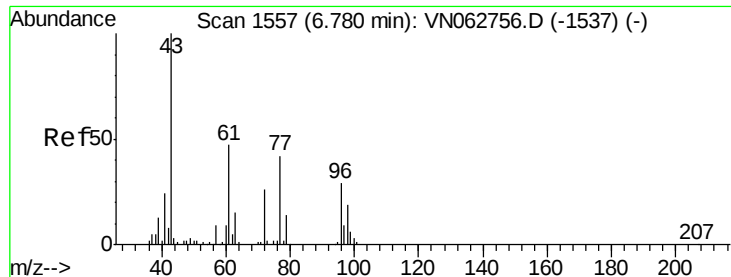
Tgt Ion: 77 Resp: 121304

Ion Ratio Lower Upper

77 100

97 22.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 47.451 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

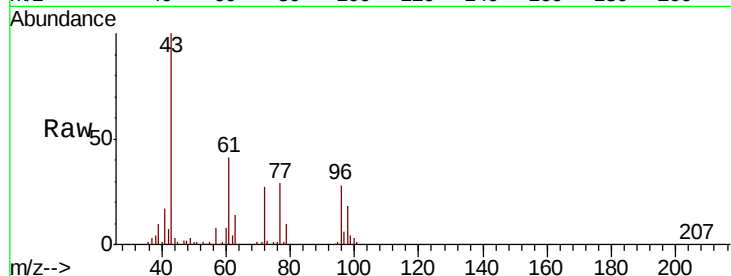
Tot Ion: 96 Resp: 99954

Ion Ratio Lower Upper

96 100

61 149.7 0.0 332.2

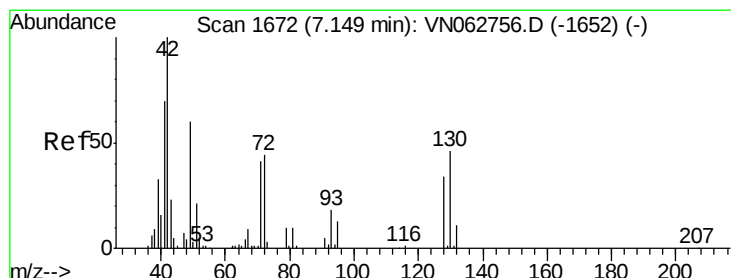
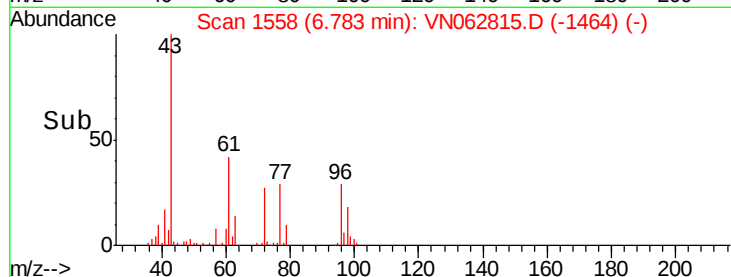
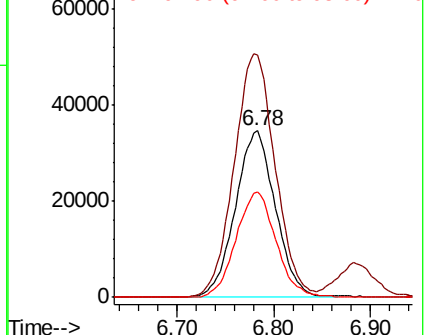
98 62.9 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062815.D (-1537) (-)

Ion 60.90 (60.60 to 61.60): VN062815.D (-1537) (-)

Ion 97.90 (97.60 to 98.60): VN062815.D (-1537) (-)



#28

Bromochloromethane

Concen: 46.101 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

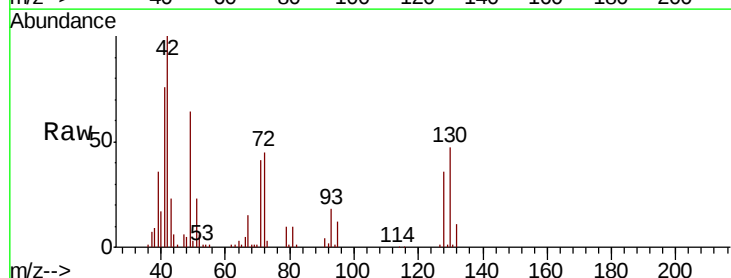
Tgt Ion: 49 Resp: 85273

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.2

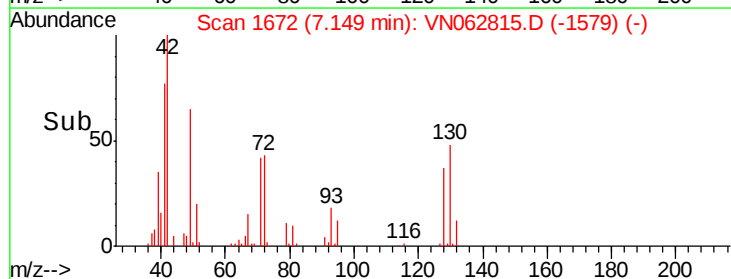
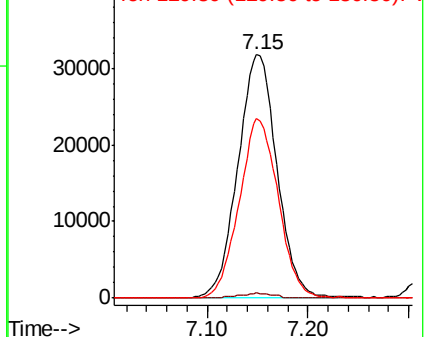
130 73.6 59.0 88.6

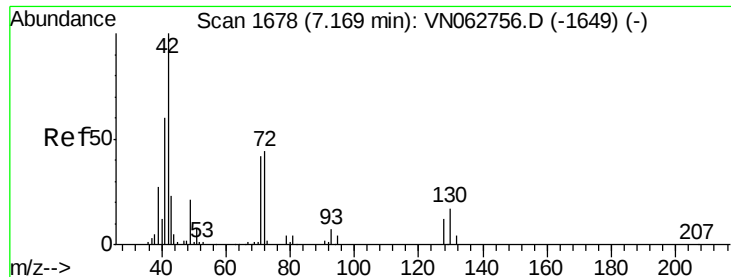


Abundance Ion 48.90 (48.60 to 49.60): VN062815.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN062815.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN062815.D (-1579) (-)

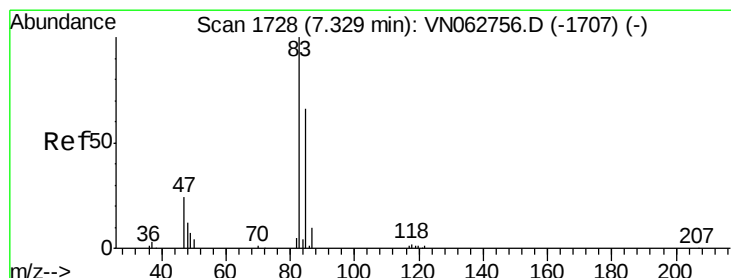
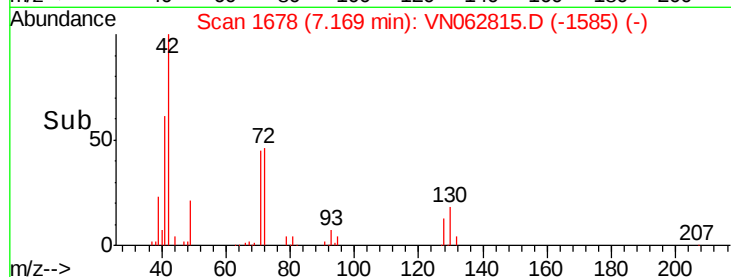
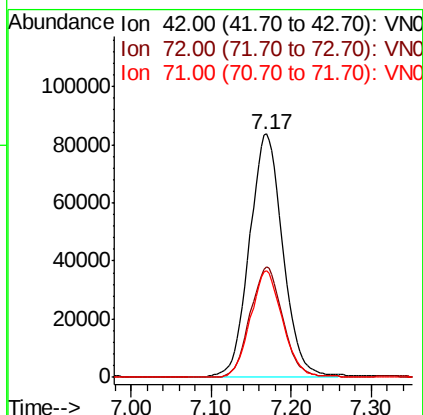
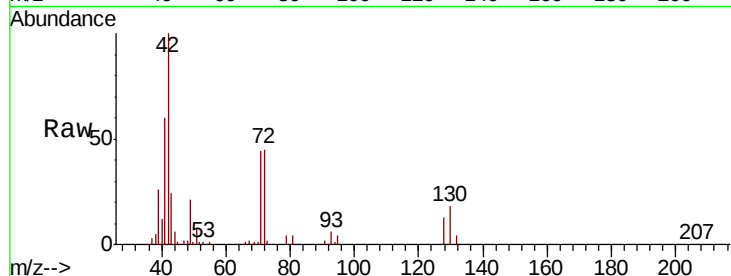




#29
Tetrahydrofuran
Concen: 248.006 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

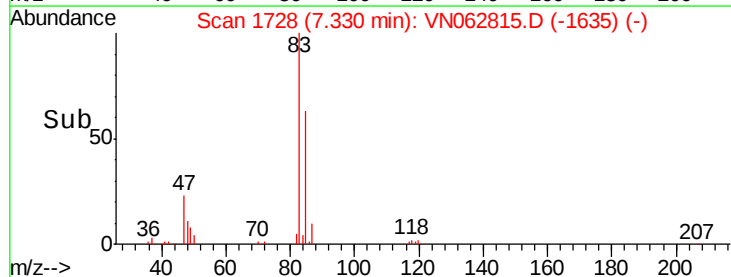
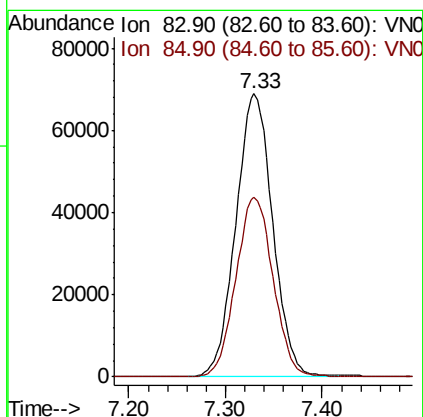
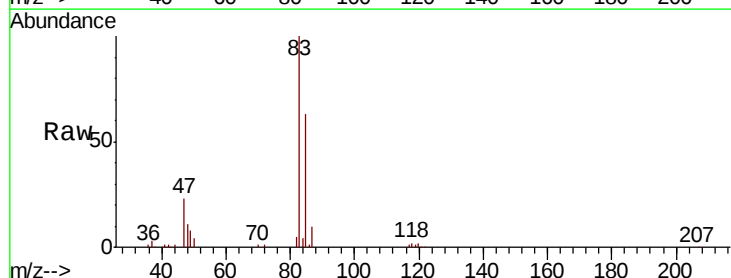
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MS

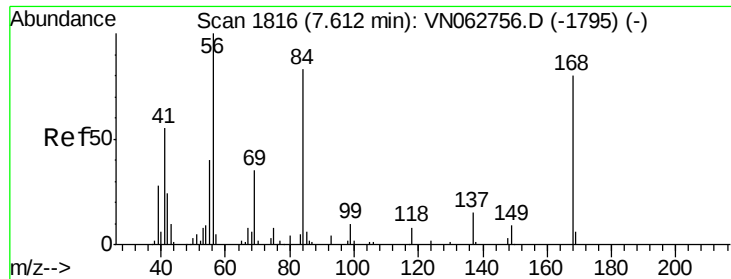
Tot Ion: 42 Resp: 239271
Ion Ratio Lower Upper
42 100
72 44.2 35.0 52.4
71 42.3 33.2 49.8



#30
Chloroform
Concen: 44.800 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion: 83 Resp: 182472
Ion Ratio Lower Upper
83 100
85 63.4 52.7 79.1





#31

Cyclohexane

Concen: 44.762 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

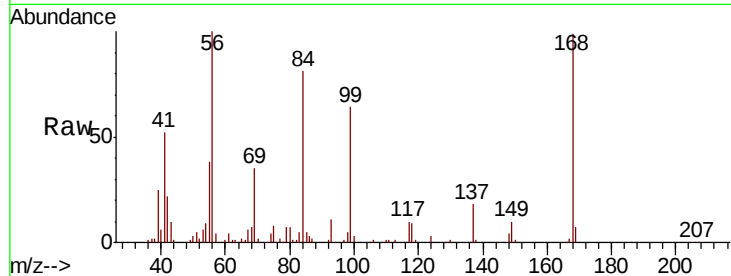
Tot Ion: 56 Resp: 157481

Ion Ratio Lower Upper

56 100

69 35.3 28.1 42.1

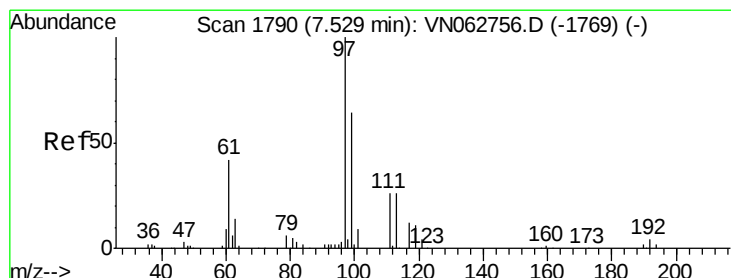
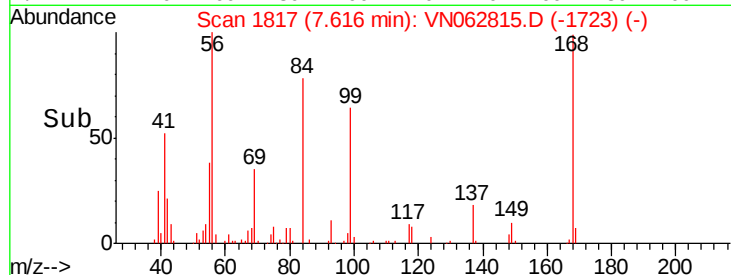
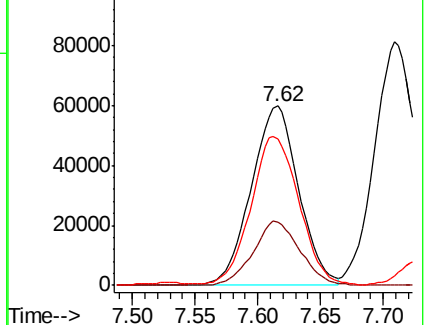
84 80.1 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VN062815.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062815.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062815.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 44.007 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

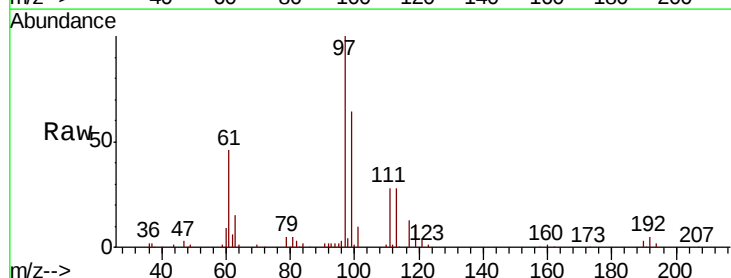
Tgt Ion: 97 Resp: 160256

Ion Ratio Lower Upper

97 100

99 62.9 50.0 75.0

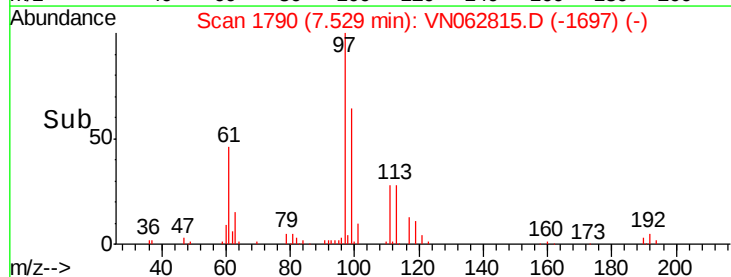
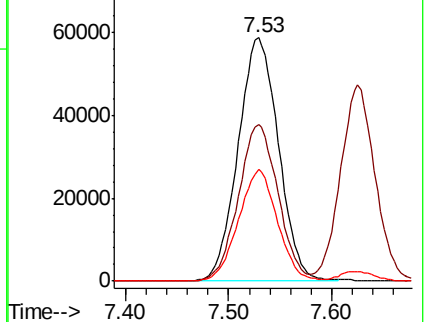
61 44.1 34.8 52.2

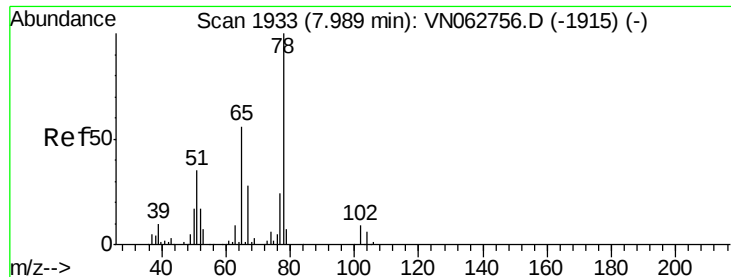


Abundance Ion 96.90 (96.60 to 97.60): VN062815.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN062815.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN062815.D (-1697) (-)

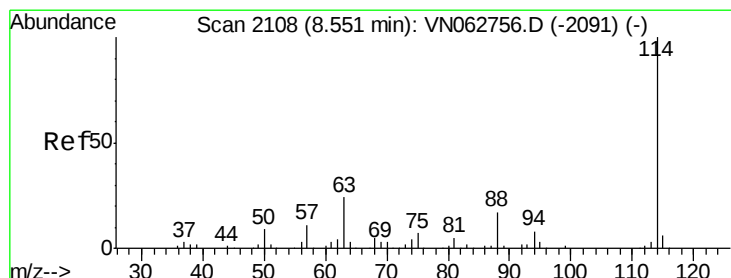
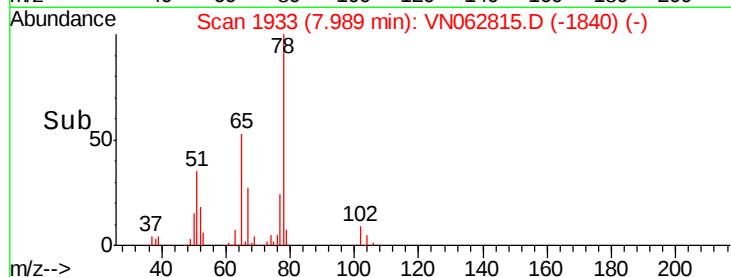
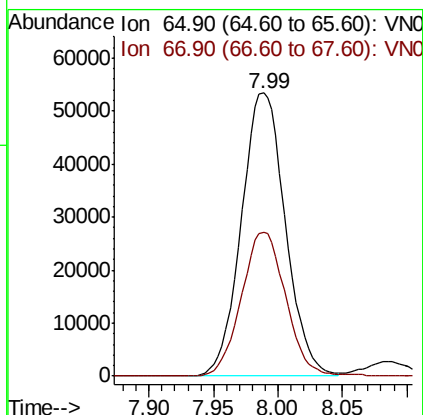
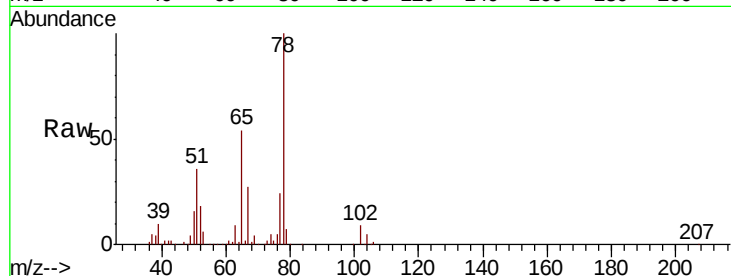




#33
 1,2-Dichloroethane-d4
 Concen: 43.776 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

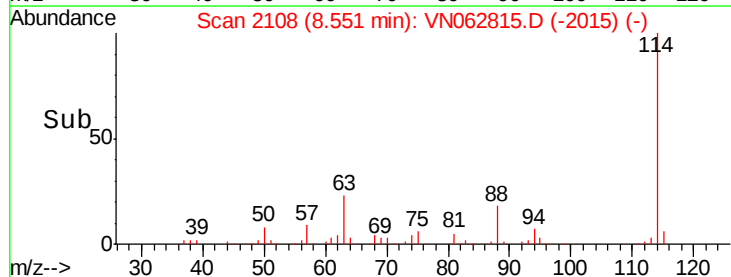
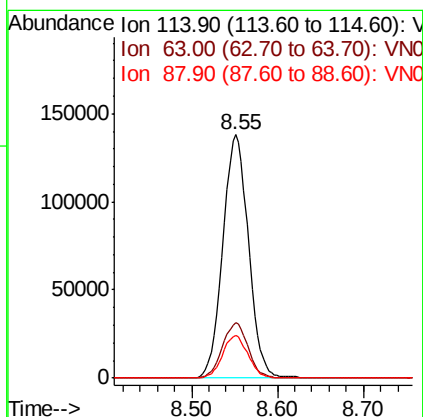
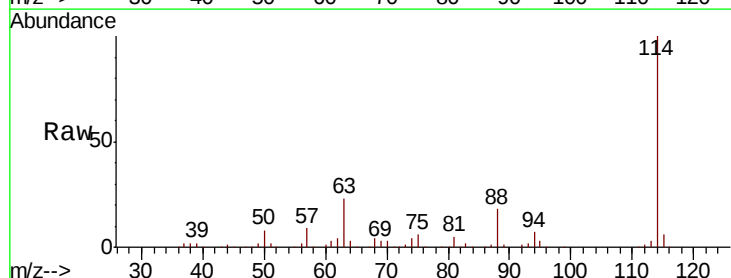
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MS

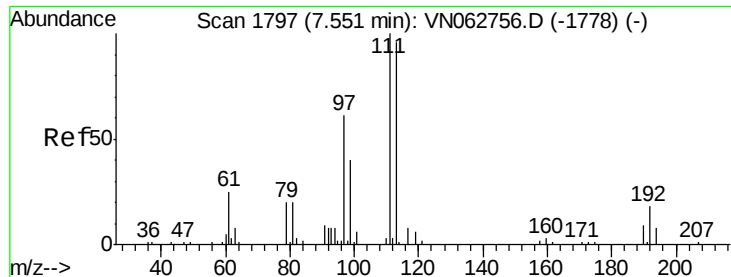
Tot Ion: 65 Resp: 127028
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion: 114 Resp: 286856
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.6
 88 17.5 0.0 34.4

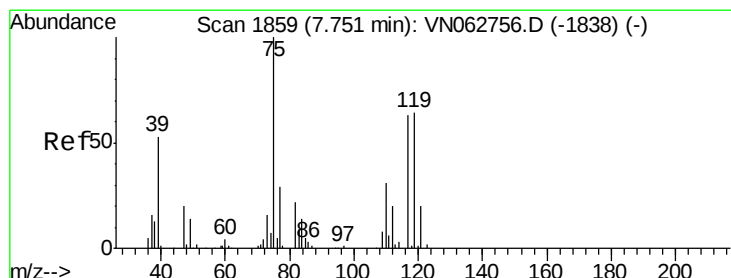
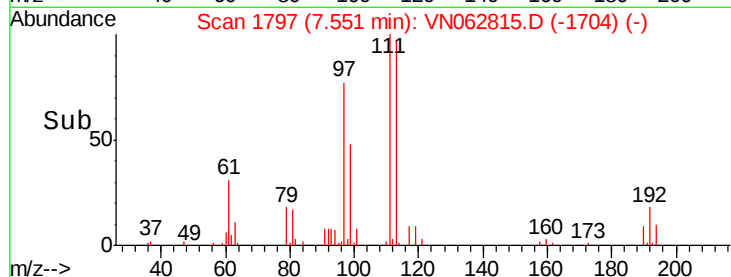
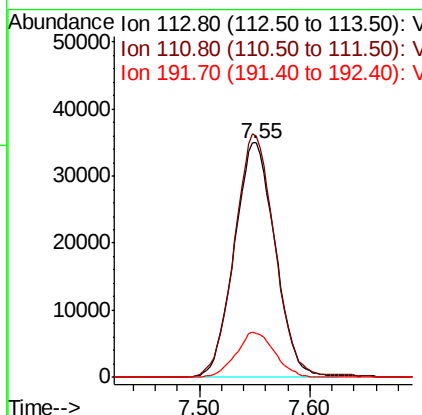
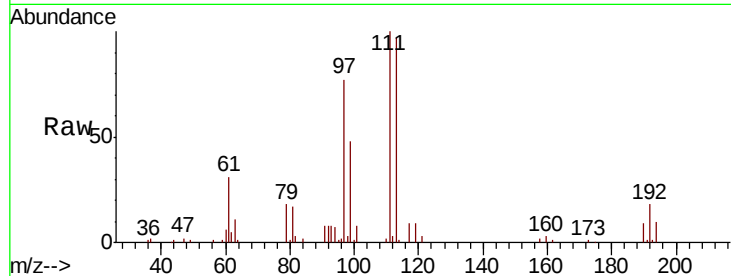




#35
 Dibromofluoromethane
 Concen: 45.743 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

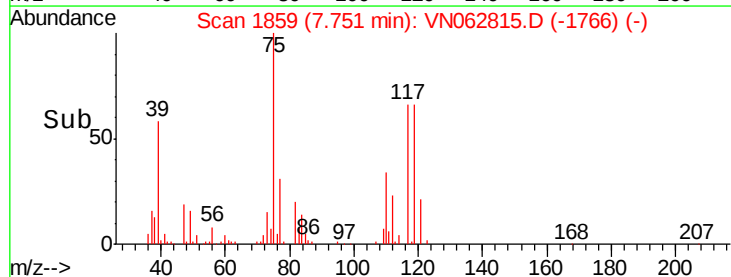
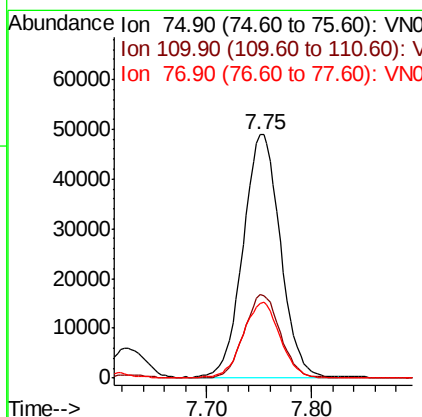
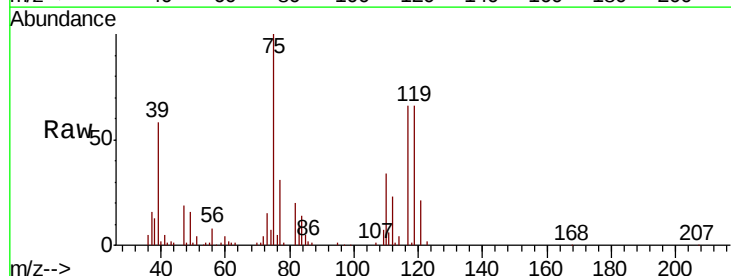
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MS

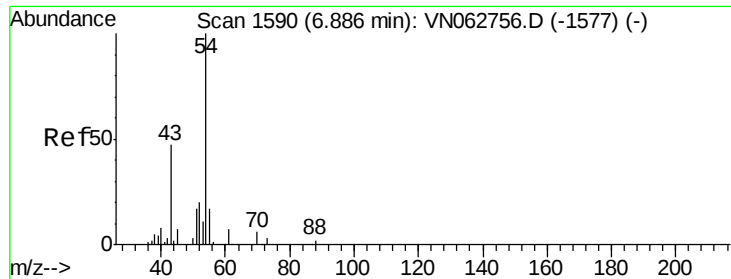
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	18.2	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 42.899 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	15.6	46.7
77	31.3	24.1	36.1

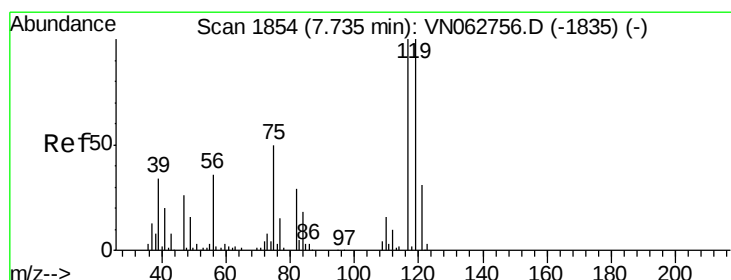
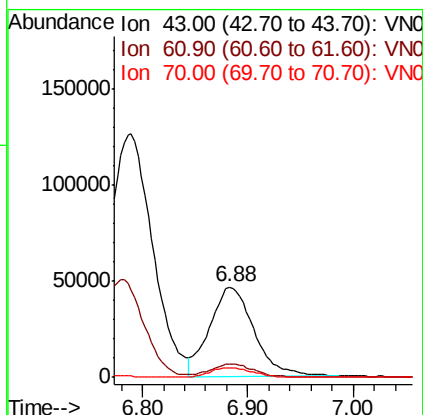
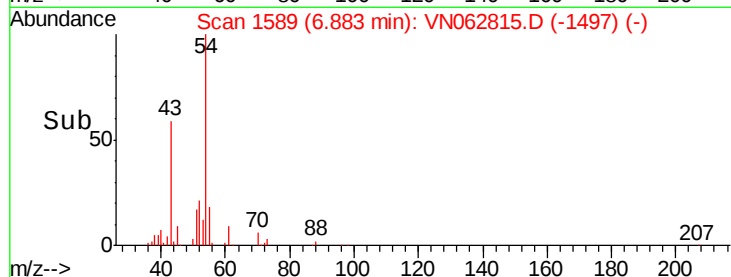
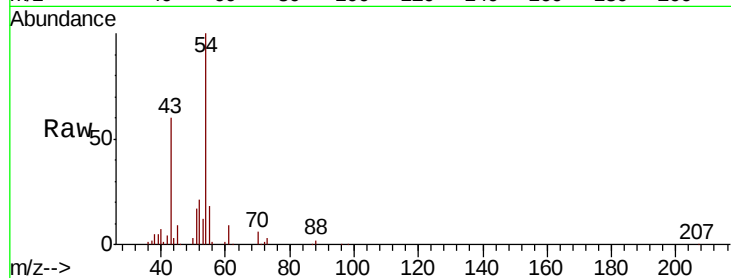




#37
Ethyl Acetate
Concen: 46.312 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

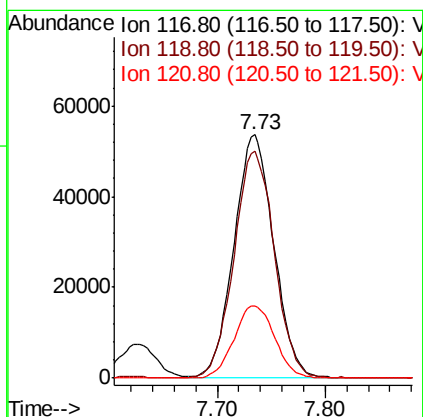
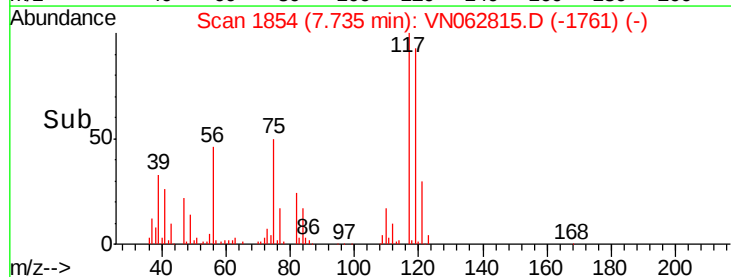
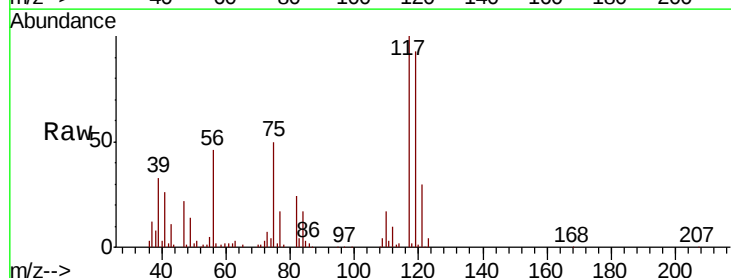
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MS

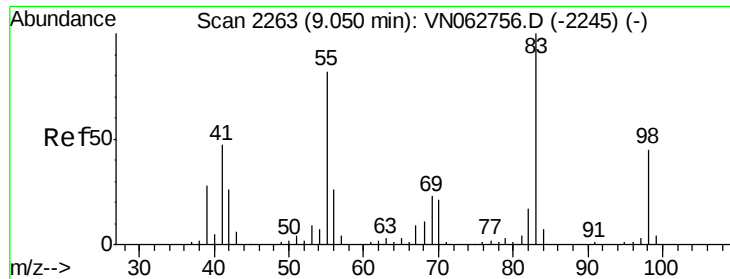
Tot Ion: 43 Resp: 135125
Ion Ratio Lower Upper
43 100
61 14.0 12.1 18.1
70 10.3 8.3 12.5



#38
Carbon Tetrachloride
Concen: 41.449 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion: 117 Resp: 136925
Ion Ratio Lower Upper
117 100
119 93.0 79.4 119.2
121 29.7 24.9 37.3

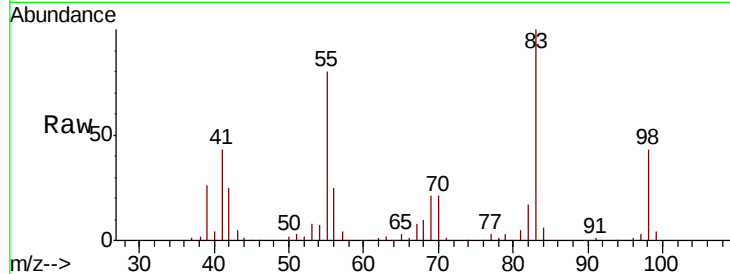




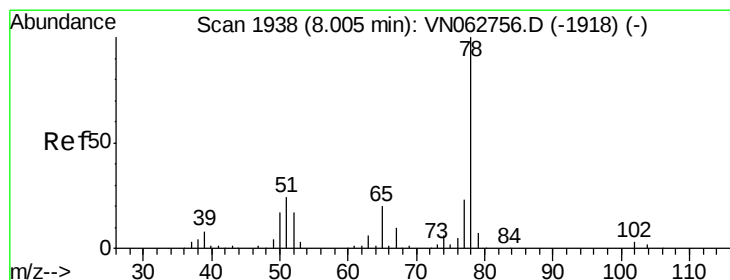
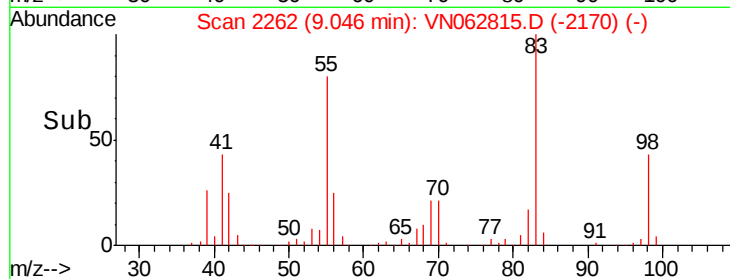
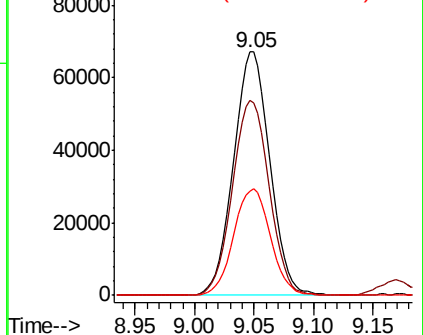
#39
Methvlcvclohexane
Concen: 42.357 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion: 83 Resp: 142380
Ion Ratio Lower Upper
83 100
55 80.3 65.7 98.5
98 43.0 35.6 53.4

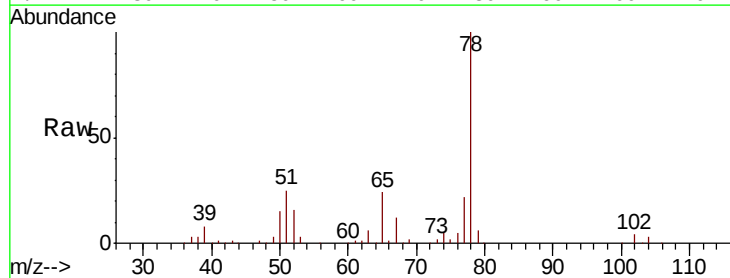


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

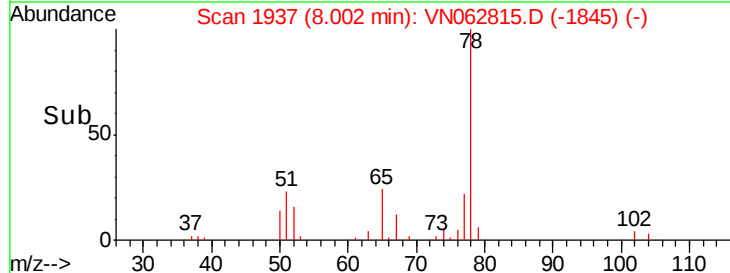
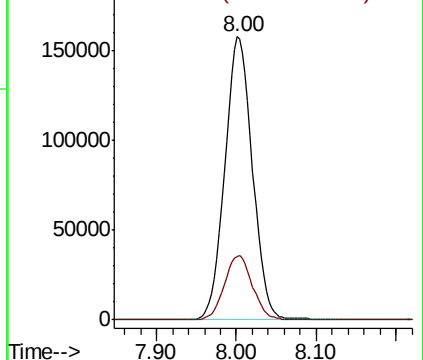


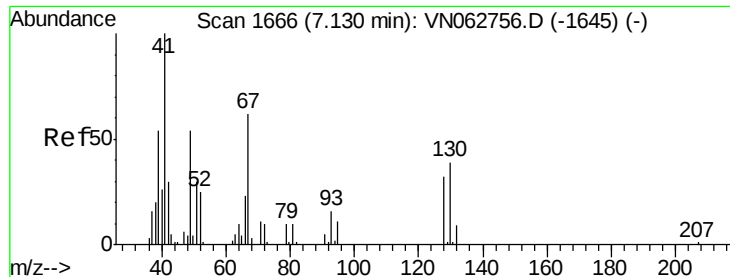
#40
Benzene
Concen: 44.741 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion: 78 Resp: 372910
Ion Ratio Lower Upper
78 100
77 22.4 18.1 27.1



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

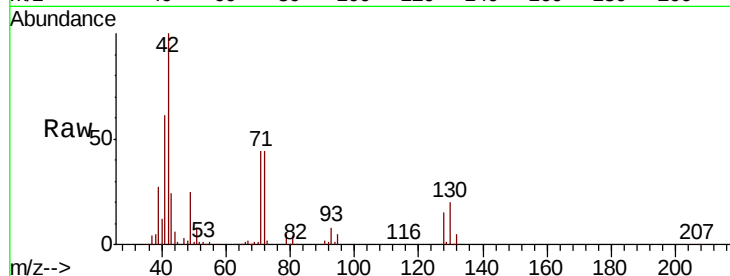




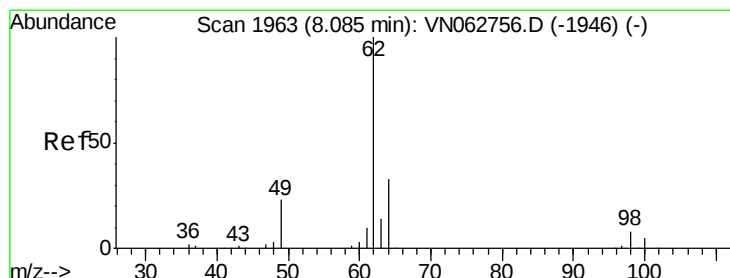
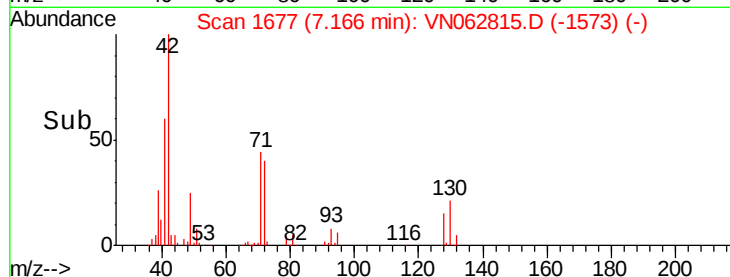
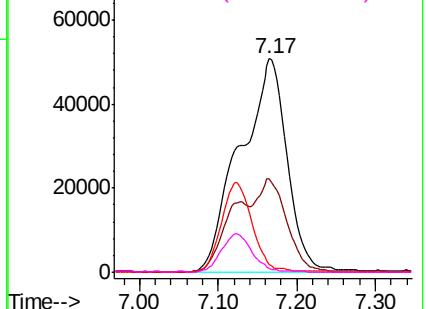
#41
Methacrylonitrile
Concen: 161.470 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.04 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion: 41 Resp: 212592
Ion Ratio Lower Upper
41 100
39 0.0 69.4 104.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

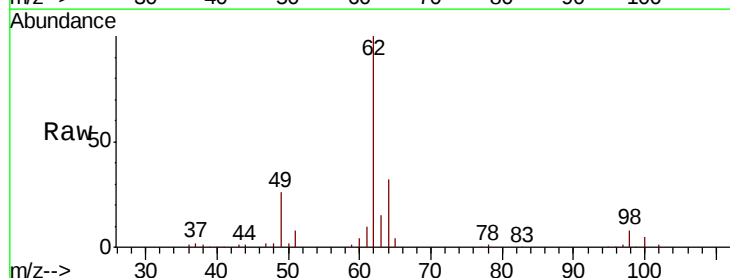


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

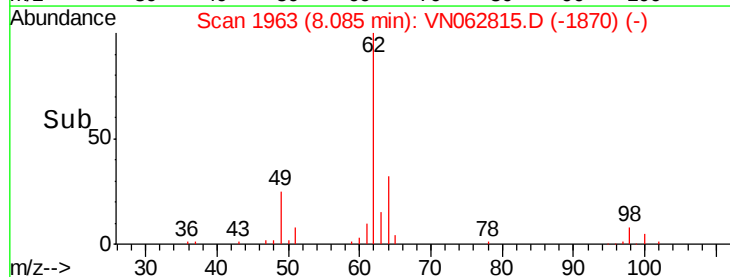
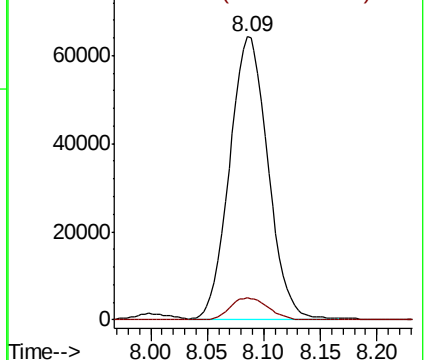


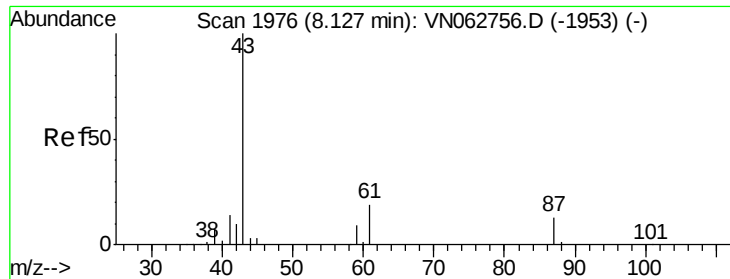
#42
1,2-Dichloroethane
Concen: 42.532 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion: 62 Resp: 150880
Ion Ratio Lower Upper
62 100
98 7.8 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 46.092 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

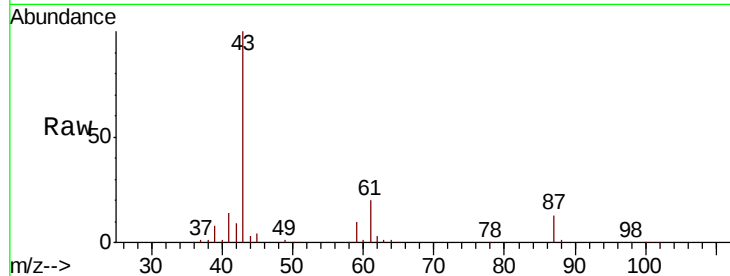
Tot Ion: 43 Resp: 224312

Ion Ratio Lower Upper

43 100

61 20.7 15.8 23.6

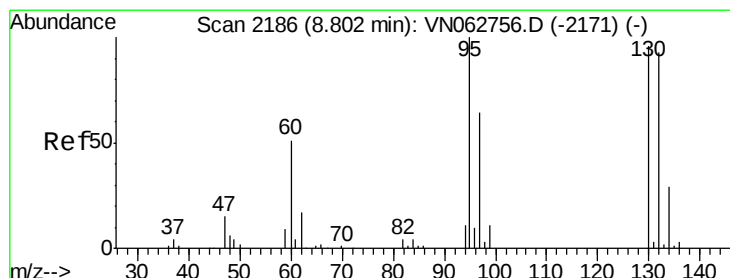
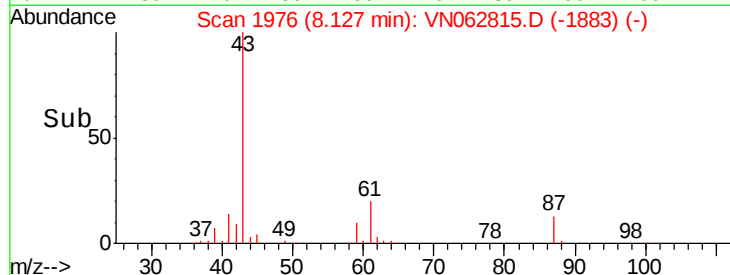
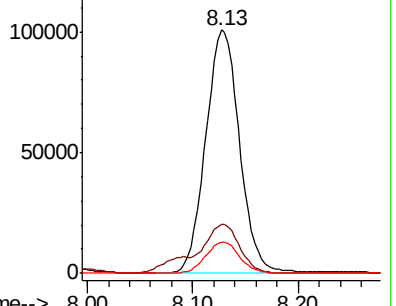
87 12.9 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VN062815.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN062815.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN062815.D (-1953) (-)



#44

Trichloroethene

Concen: 43.103 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062815.D

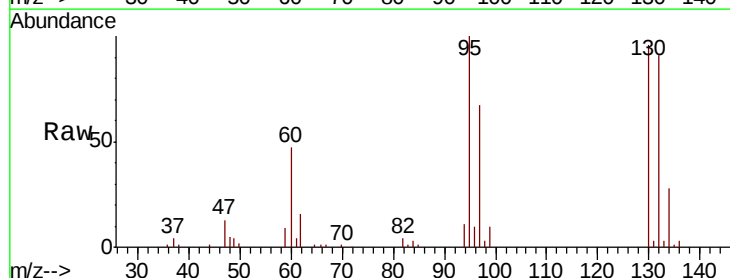
Acq: 10 Aug 2020 17:48

Tgt Ion: 130 Resp: 87526

Ion Ratio Lower Upper

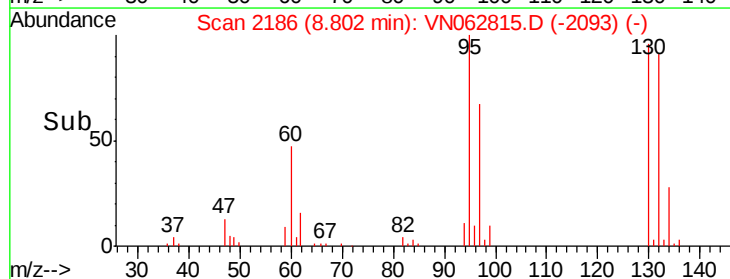
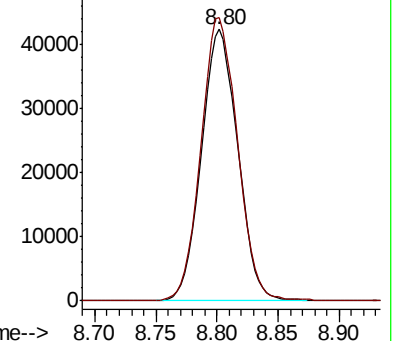
130 100

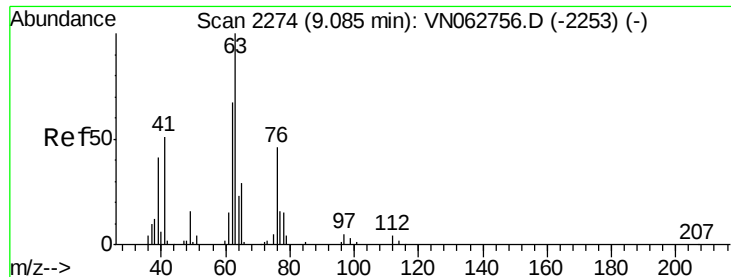
95 104.3 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): VN062815.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062815.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 47.312 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

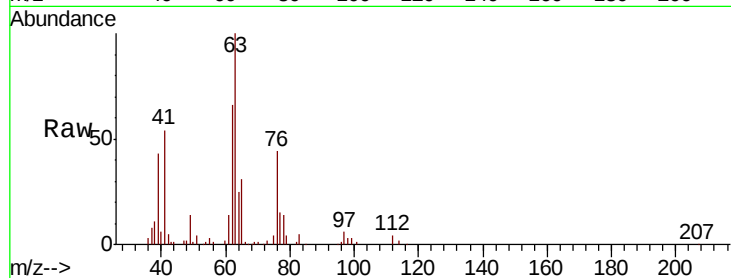
BP-VPB179-GW-498-500MS

Tot Ion: 63 Resp: 106728

Ion Ratio Lower Upper

63 100

65 30.8 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VN062756.D (-2253) (-)

Ion 64.90 (64.60 to 65.60): VN062756.D (-2253) (-)

9.09

60000

50000

40000

30000

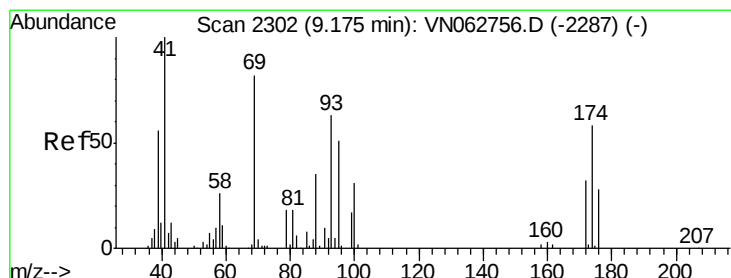
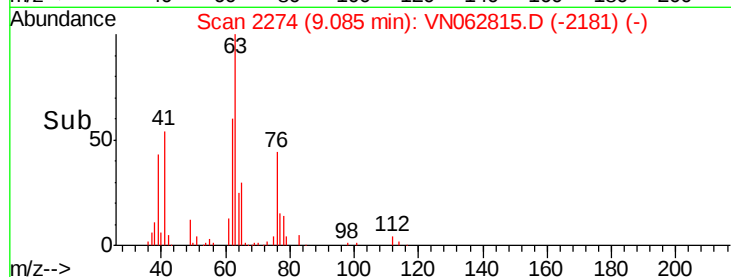
20000

10000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 46.657 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

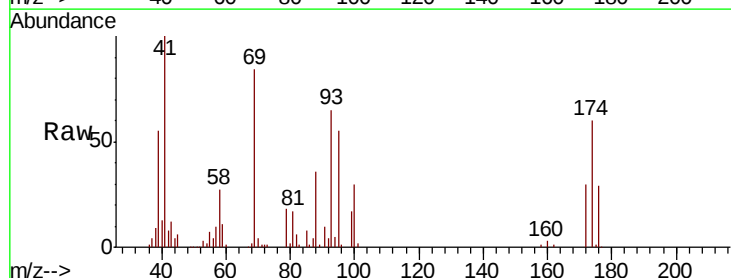
Tgt Ion: 93 Resp: 68962

Ion Ratio Lower Upper

93 100

95 82.7 65.1 97.7

174 91.6 73.9 110.9



Abundance Ion 92.80 (92.50 to 93.50): VN062756.D (-2287) (-)

Ion 94.80 (94.50 to 95.50): VN062756.D (-2287) (-)

Ion 173.70 (173.40 to 174.40): VN062756.D (-2287) (-)

9.18

40000

30000

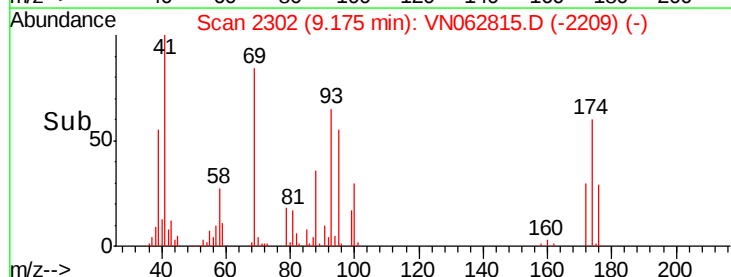
20000

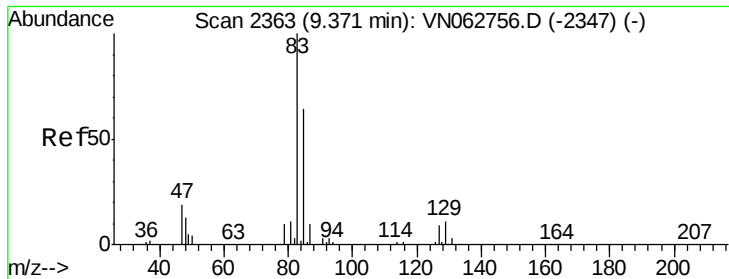
10000

0

Time-->

9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 45.511 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

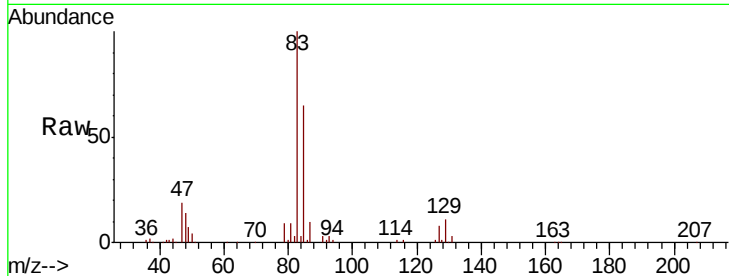
Tot Ion: 83 Resp: 151081

Ion Ratio Lower Upper

83 100

85 64.7 51.4 77.0

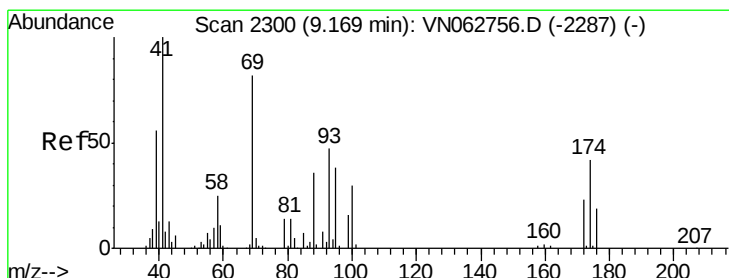
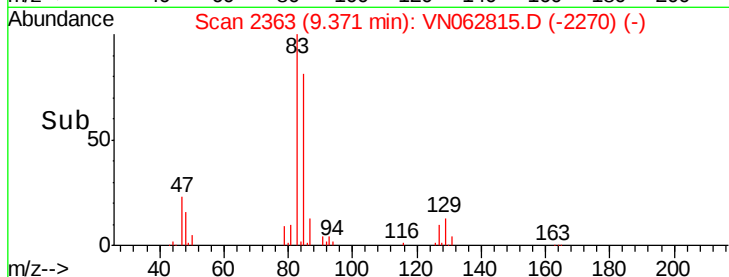
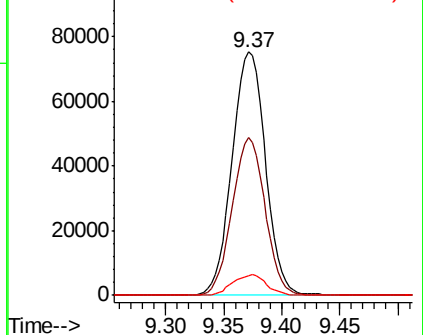
127 8.2 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN062815.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062815.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062815.D (-2270) (-)



#48

Methyl methacrylate

Concen: 46.095 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

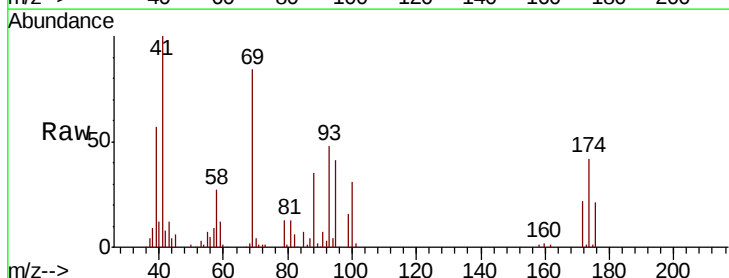
Tgt Ion: 41 Resp: 110338

Ion Ratio Lower Upper

41 100

69 87.7 67.4 101.2

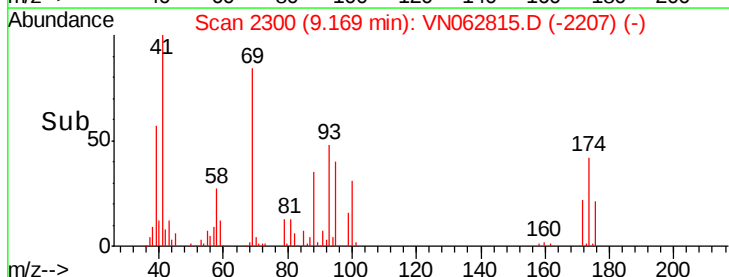
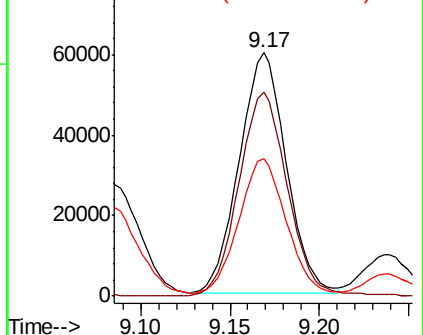
39 58.7 47.6 71.4



Abundance Ion 41.00 (40.70 to 41.70): VN062815.D (-2207) (-)

Ion 69.00 (68.70 to 69.70): VN062815.D (-2207) (-)

Ion 39.00 (38.70 to 39.70): VN062815.D (-2207) (-)

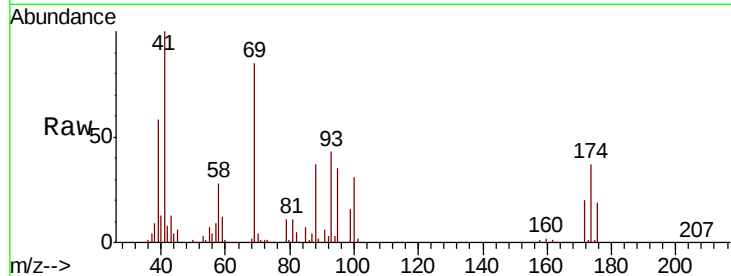




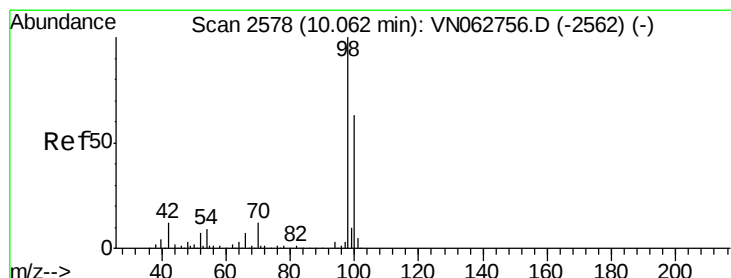
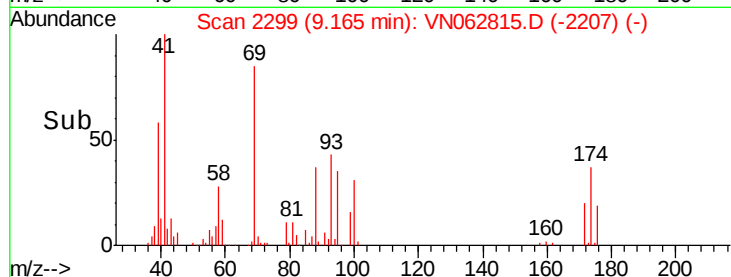
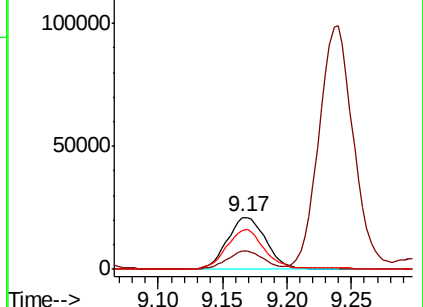
#49
 1,4-Dioxane
 Concen: 997.688 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

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

Tot Ion: 88 Resp: 44252
 Ion Ratio Lower Upper
 88 100
 43 33.9 29.5 44.3
 58 74.3 59.8 89.8

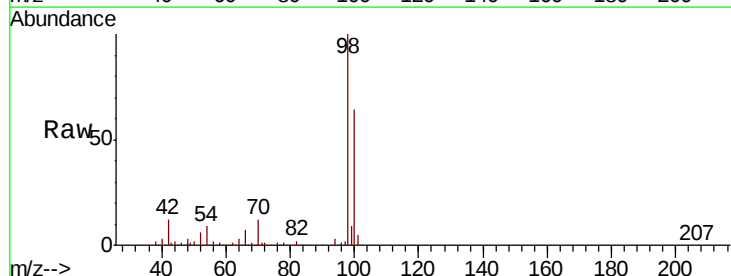


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

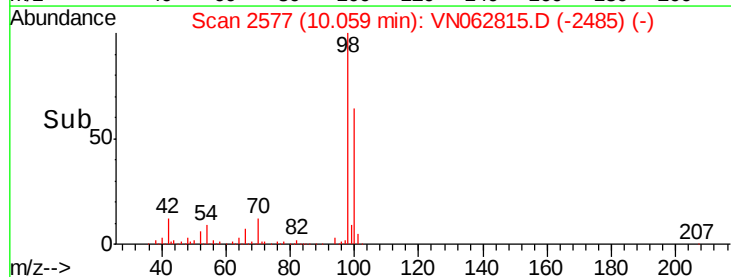
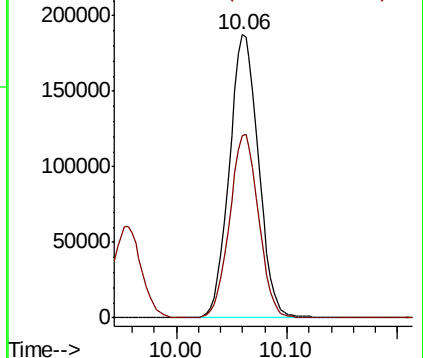


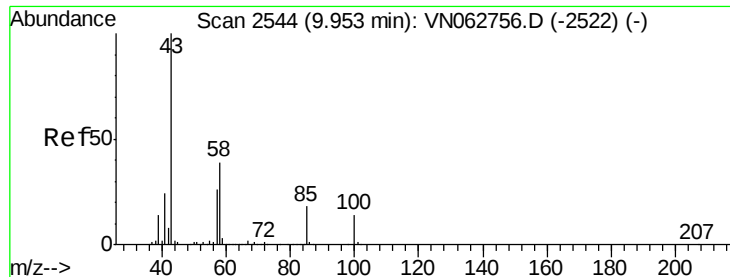
#50
 Toluene-d8
 Concen: 44.885 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion: 98 Resp: 343853
 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: 244.870 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

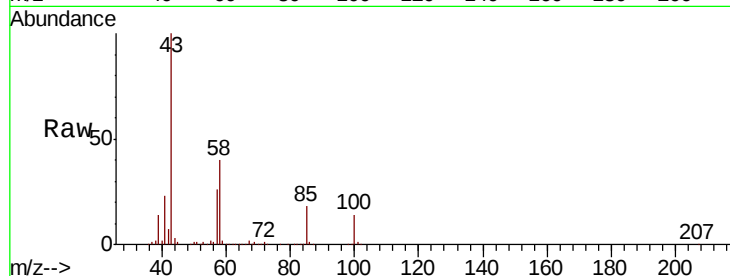
BP-VPB179-GW-498-500MS

Tot Ion: 43 Resp: 771046

Ion Ratio Lower Upper

43 100

58 39.5 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-2522) (-)

9.95

400000

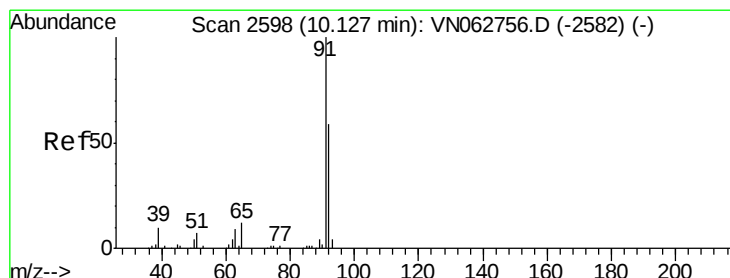
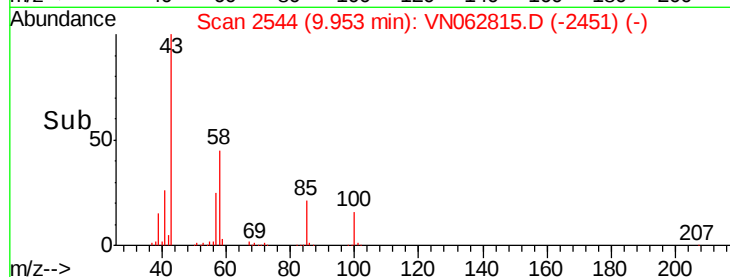
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 44.668 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062815.D

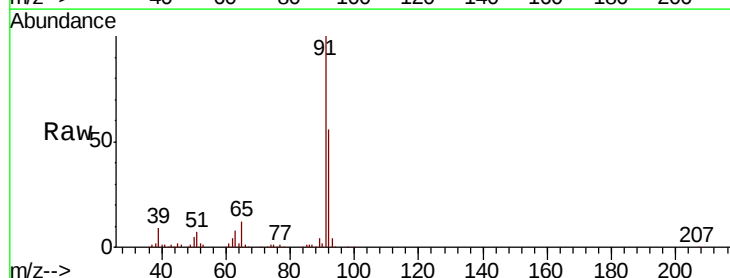
Acq: 10 Aug 2020 17:48

Tgt Ion: 92 Resp: 229866

Ion Ratio Lower Upper

92 100

91 178.7 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN062756.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062756.D (-2582) (-)

10.13

250000

200000

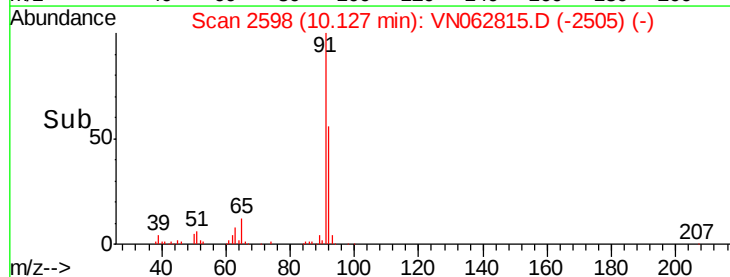
150000

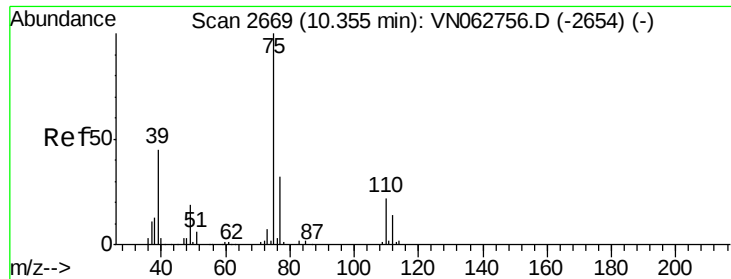
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 43.297 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

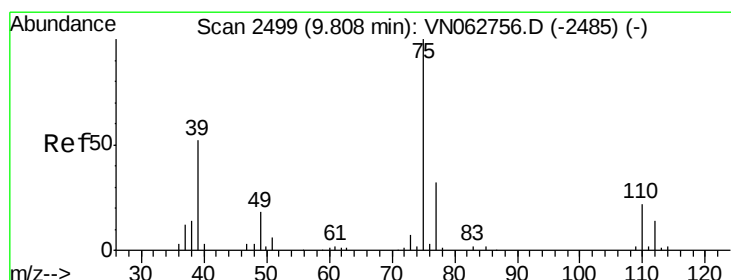
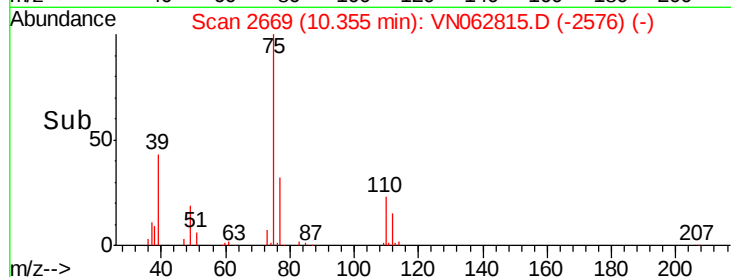
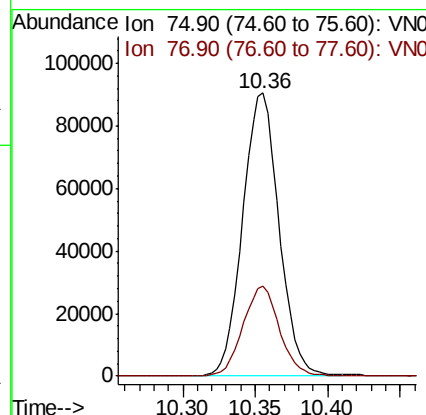
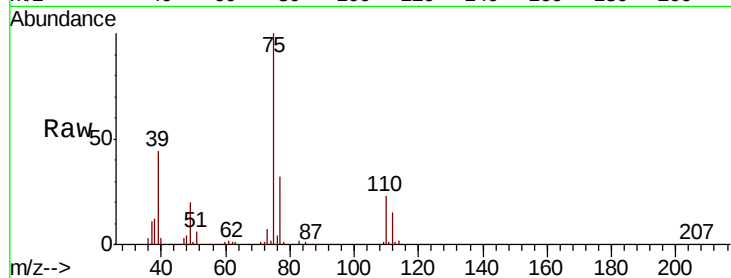
BP-VPB179-GW-498-500MS

Tot Ion: 75 Resp: 158099

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 45.663 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

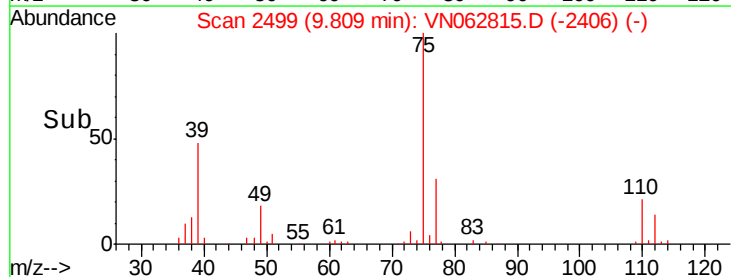
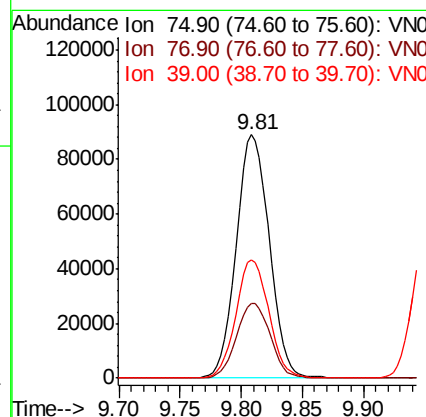
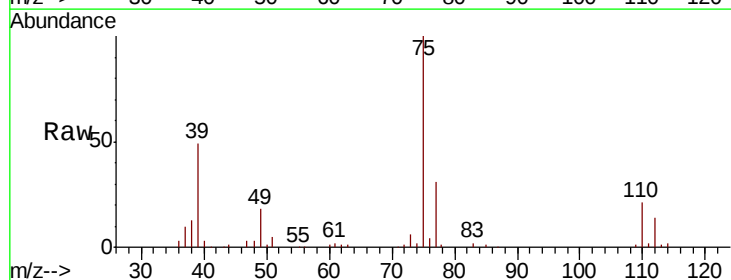
Tgt Ion: 75 Resp: 167407

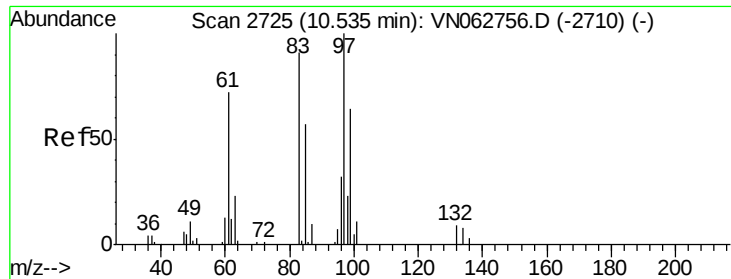
Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3

39 48.6 41.9 62.9





#55

1,1,2-Trichloroethane

Concen: 45.878 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion: 97 Resp: 100835

Ion	Ratio	Lower	Upper
97	100		
83	87.4	72.6	108.8
85	56.7	46.0	69.0
99	62.5	51.1	76.7

Abundance

Ion 96.90 (96.60 to 97.60): VN0

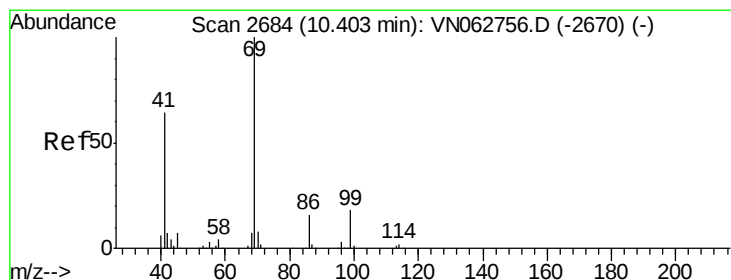
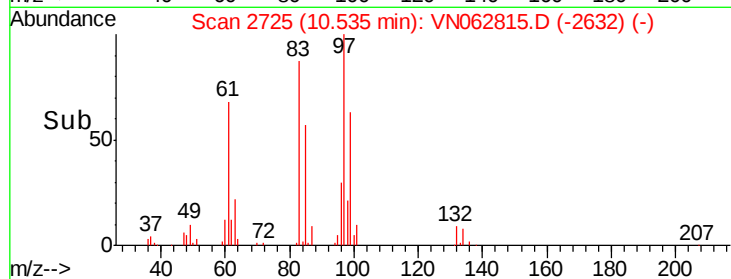
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.54

Time-->



#56

Ethyl methacrylate

Concen: 49.983 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Tgt Ion: 69 Resp: 165356

Ion	Ratio	Lower	Upper
69	100		
41	63.8	52.2	78.2
39	35.6	30.9	46.3

Abundance

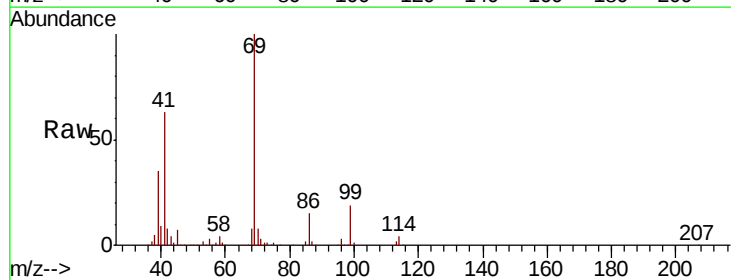
Ion 69.00 (68.70 to 69.70): VN0

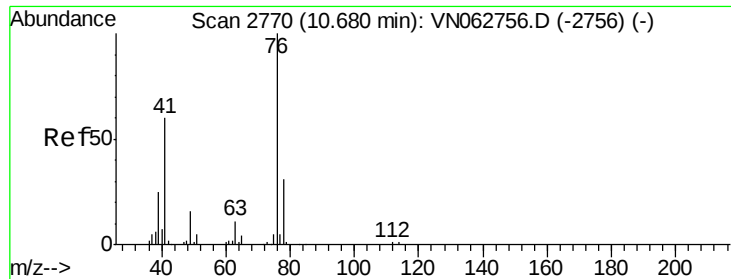
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.40

Time-->





#57

1,3-Dichloropropane

Concen: 46.660 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

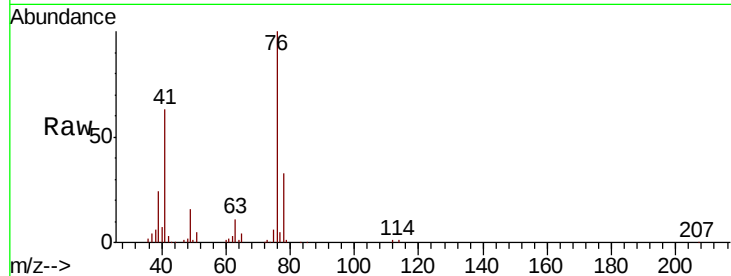
BP-VPB179-GW-498-500MS

Tot Ion: 76 Resp: 174251

Ion Ratio Lower Upper

76 100

78 32.5 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN062815.D (-2677) (-)

Ion 77.90 (77.60 to 78.60): VN062815.D (-2677) (-)

10.68

80000

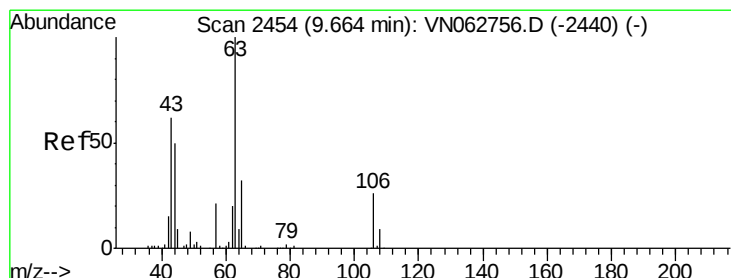
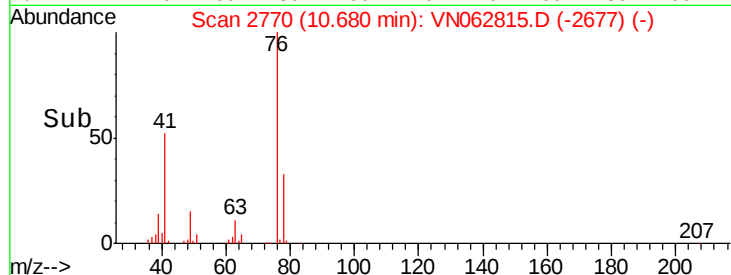
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 241.892 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062815.D

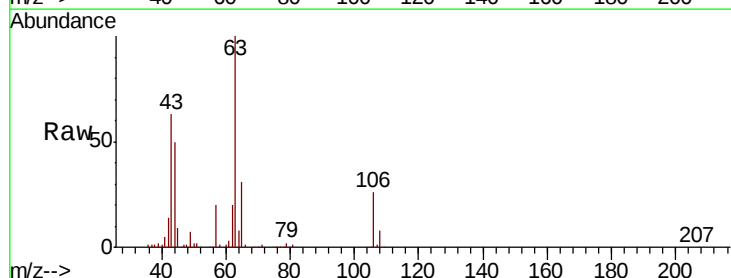
Acq: 10 Aug 2020 17:48

Tgt Ion: 63 Resp: 226197

Ion Ratio Lower Upper

63 100

106 25.8 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN062815.D (-2361) (-)

Ion 105.90 (105.60 to 106.60): VN062815.D (-2361) (-)

9.66

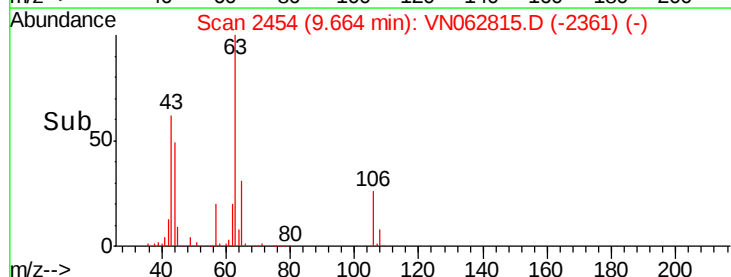
150000

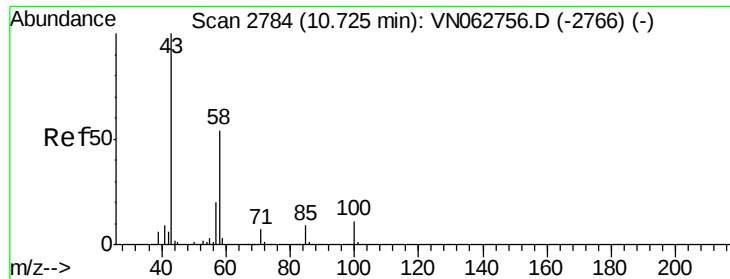
100000

50000

0

Time-->

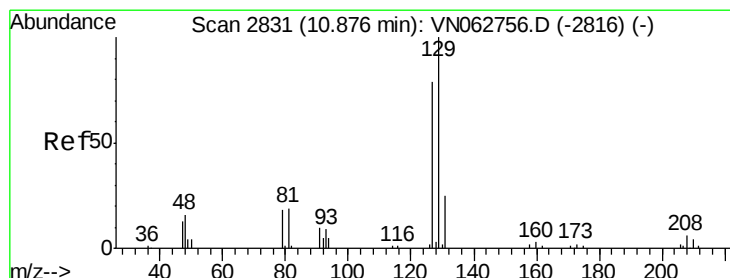
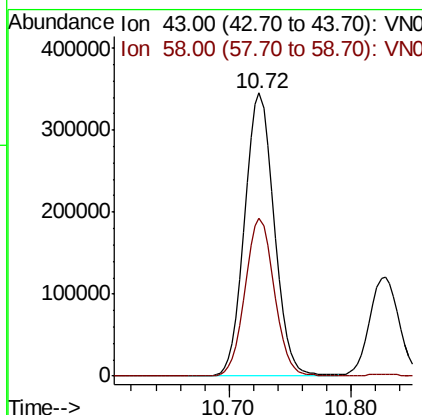
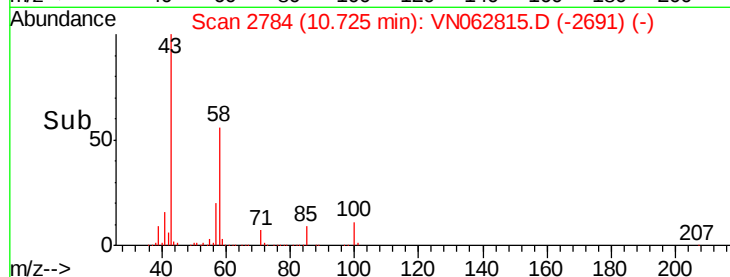
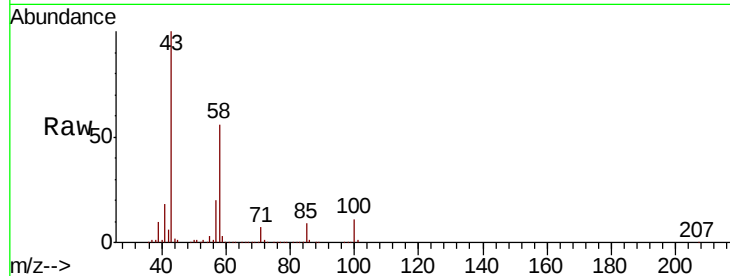




#59
2-Hexanone
Concen: 244.165 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

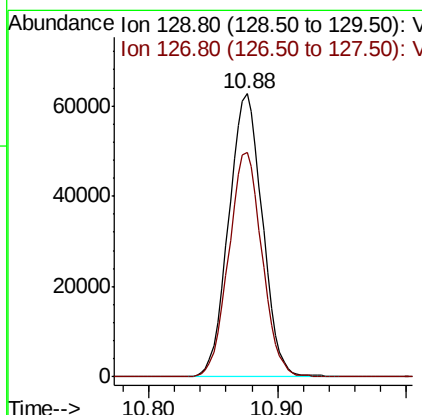
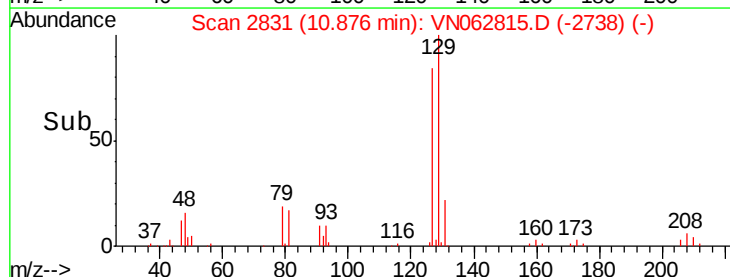
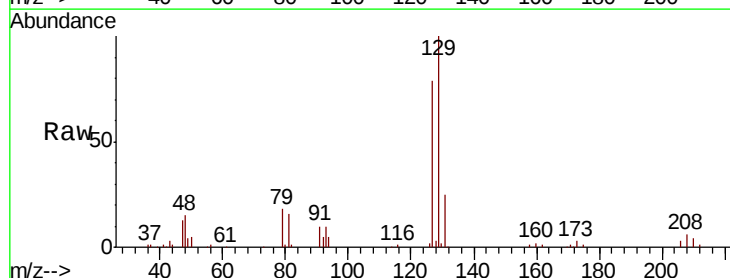
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MS

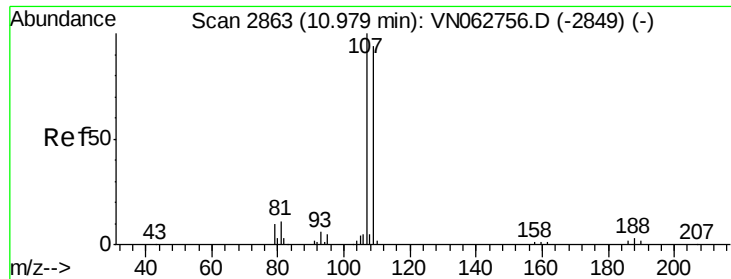
Tot Ion: 43 Resp: 573501
Ion Ratio Lower Upper
43 100
58 55.3 26.7 80.1



#60
Dibromochloromethane
Concen: 45.224 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion: 129 Resp: 113429
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.2

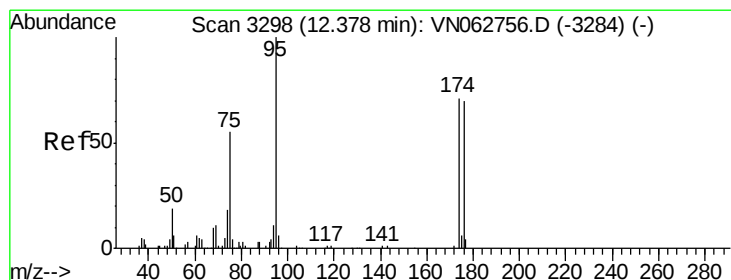
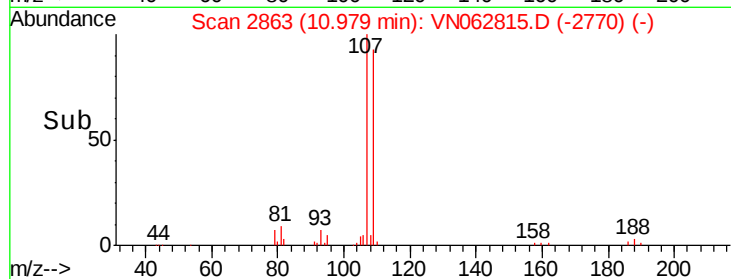
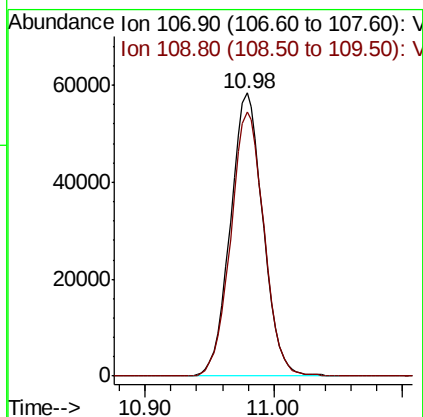
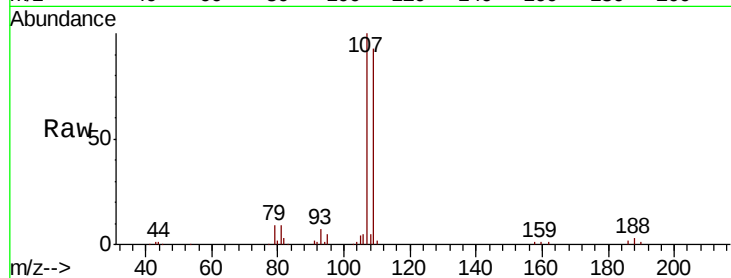




#61
 1,2-Dibromoethane
 Concen: 47.287 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

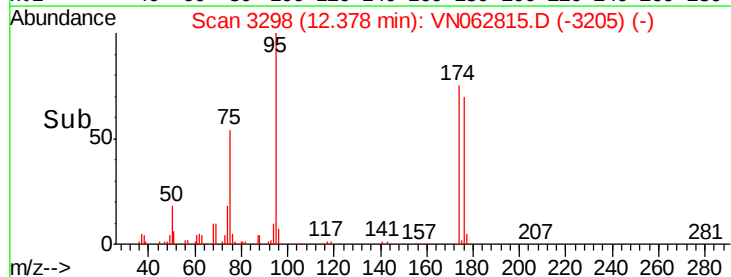
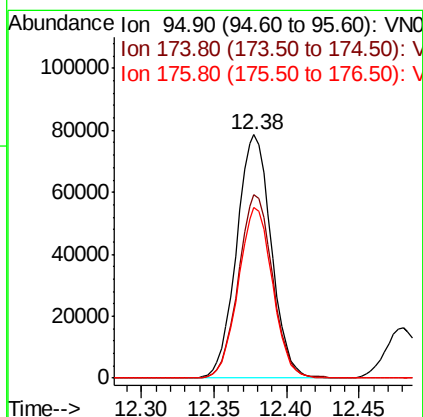
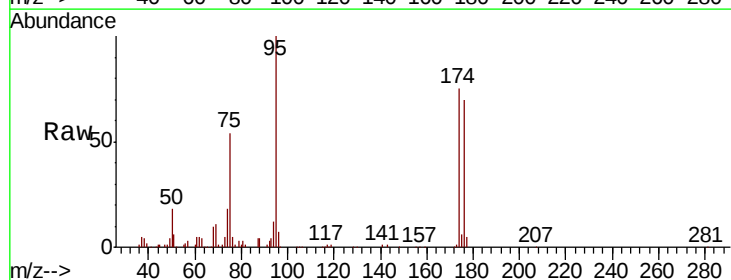
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MS

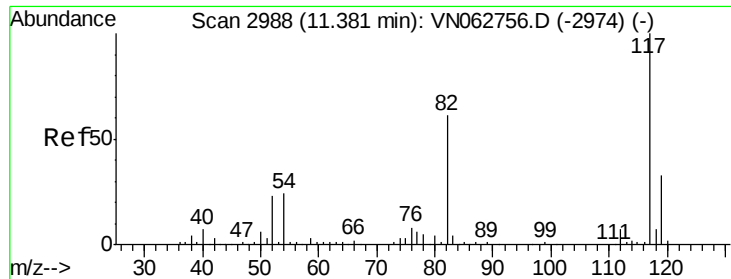
Tot Ion:107 Resp: 102554
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 45.194 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion: 95 Resp: 130837
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 144.8
 176 69.3 0.0 142.2

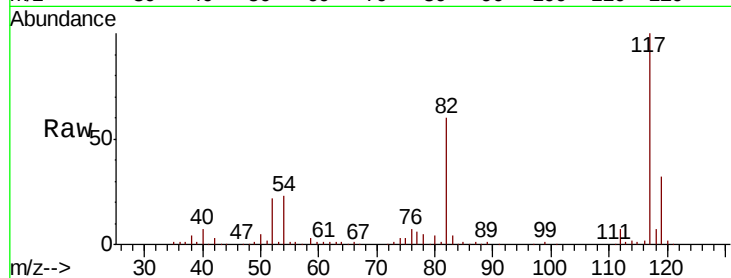




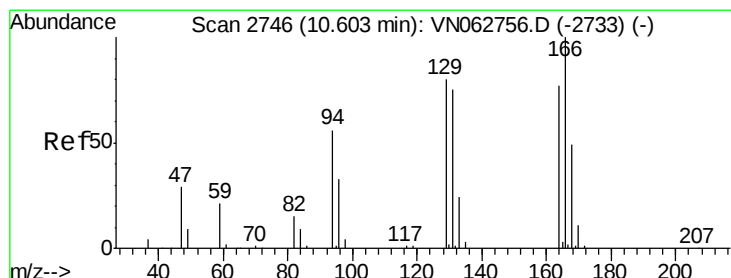
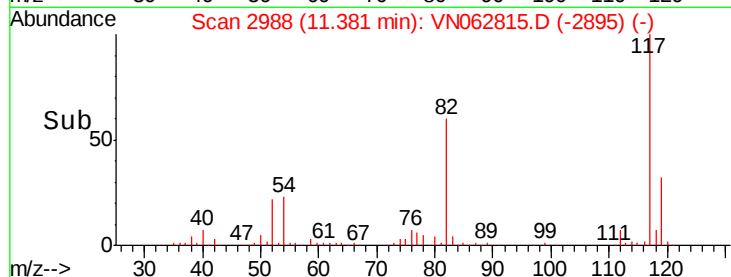
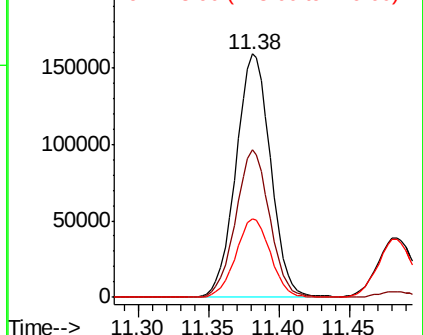
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion:117 Resp: 274034
Ion Ratio Lower Upper
117 100
82 60.4 49.0 73.4
119 32.3 26.2 39.2



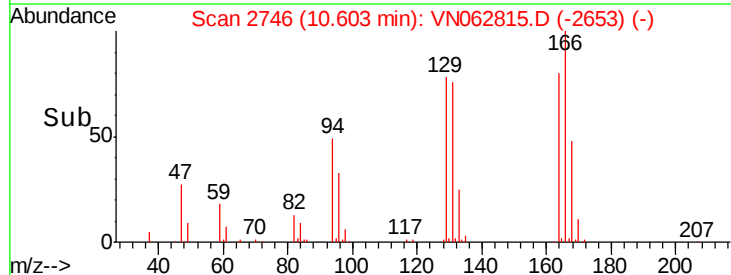
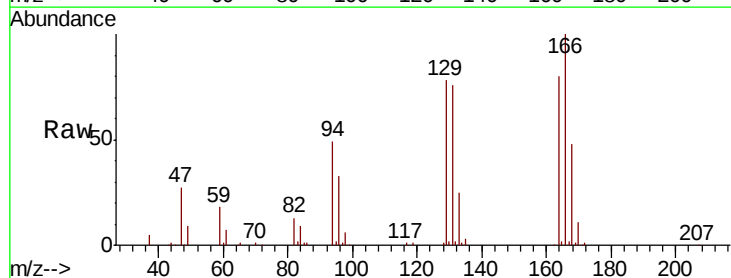
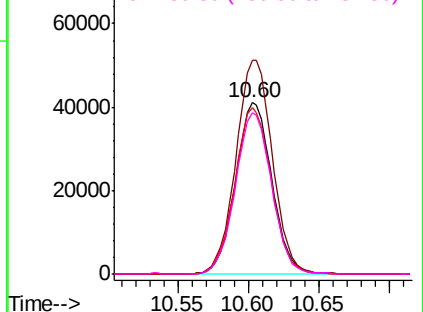
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

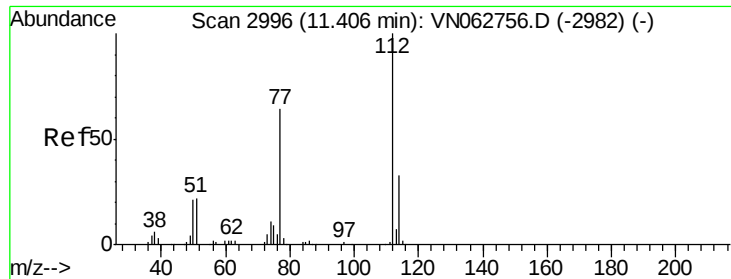


#64
Tetrachloroethene
Concen: 41.809 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion:164 Resp: 73922
Ion Ratio Lower Upper
164 100
166 124.7 103.8 155.8
129 97.4 82.7 124.1
131 94.3 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

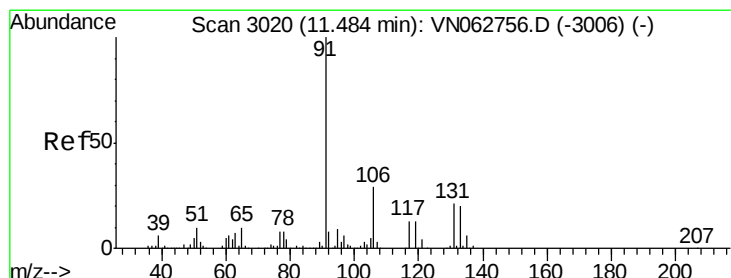
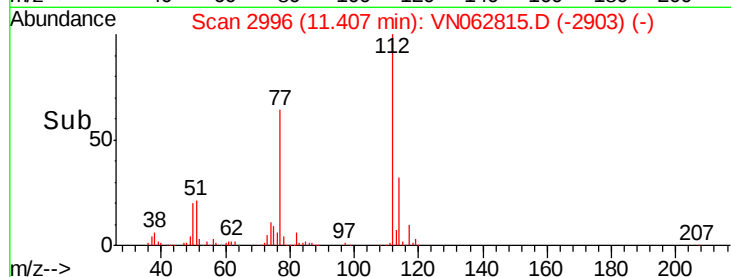
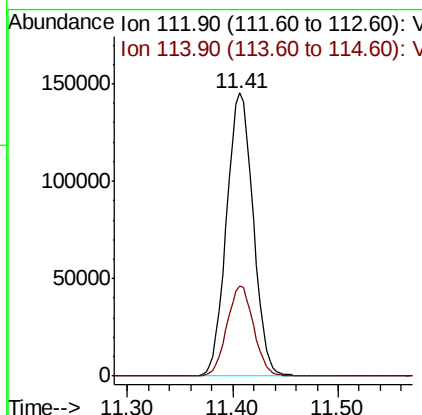
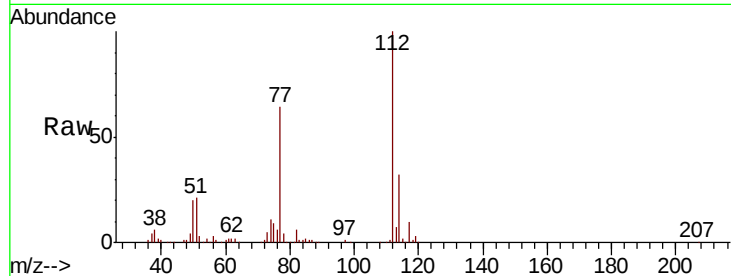




#65
Chlorobenzene
Concen: 44.344 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

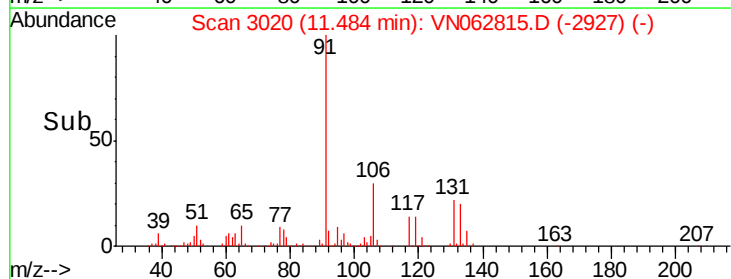
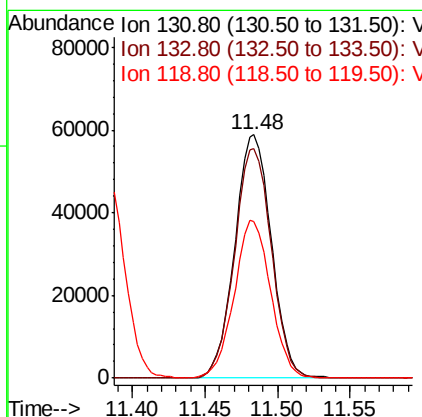
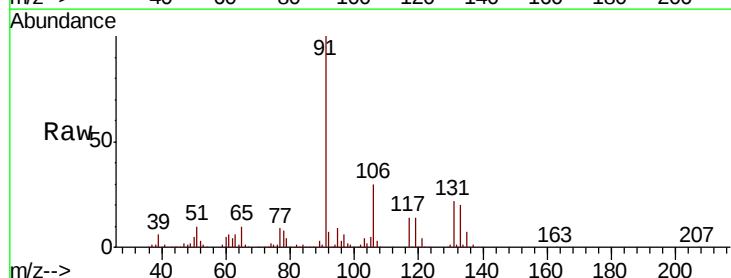
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MS

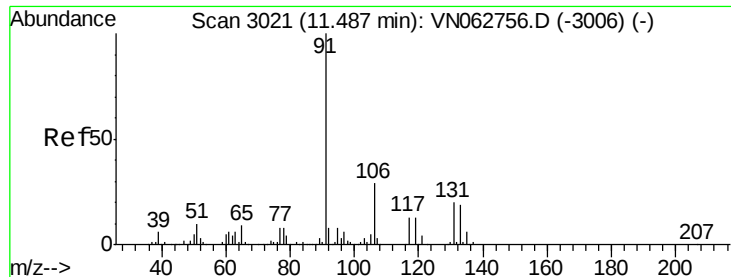
Tot Ion:112 Resp: 254020
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 44.949 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion:131 Resp: 103400
Ion Ratio Lower Upper
131 100
133 95.0 48.6 145.8
119 64.4 32.2 96.6

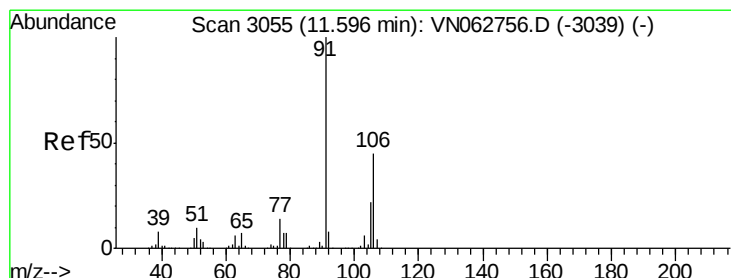
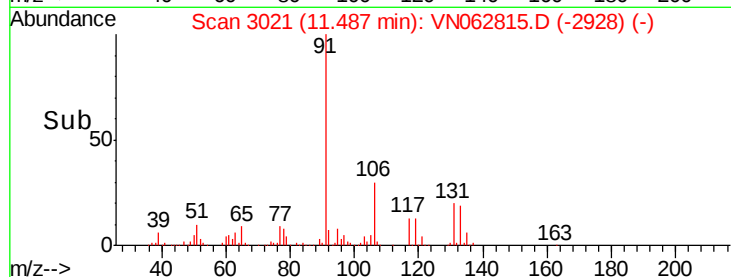
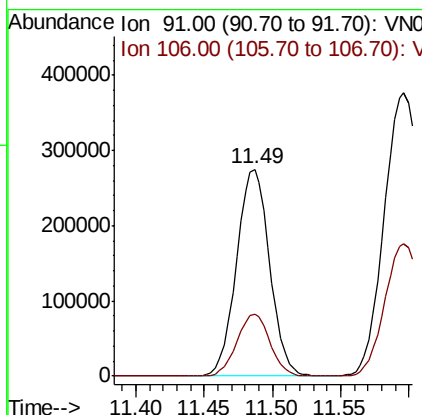
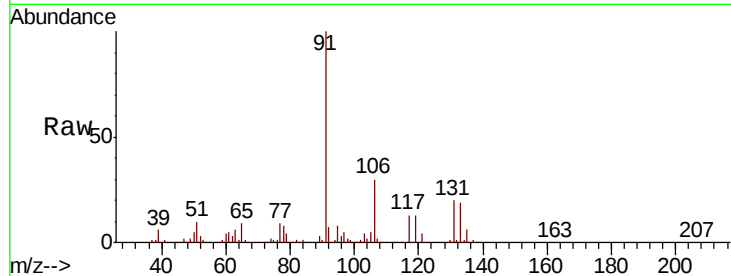




#67
Ethyl Benzene
Concen: 45.143 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

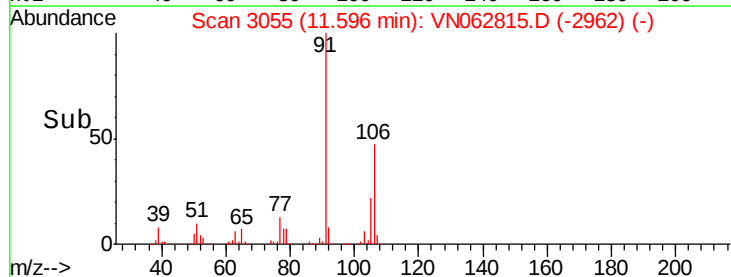
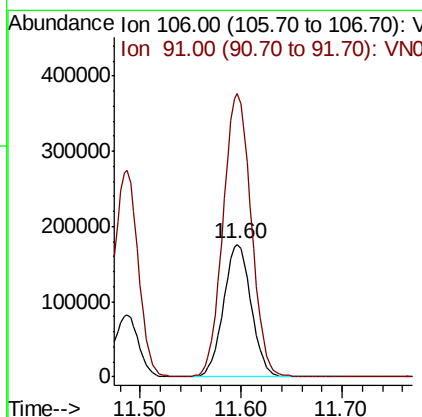
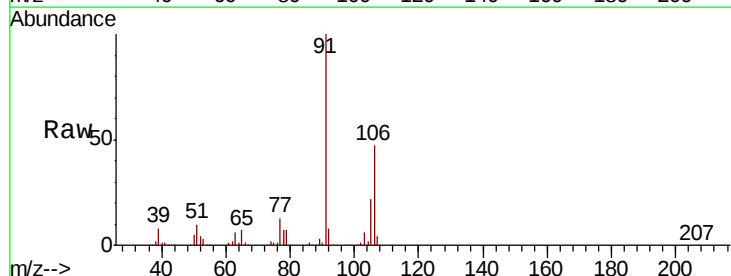
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MS

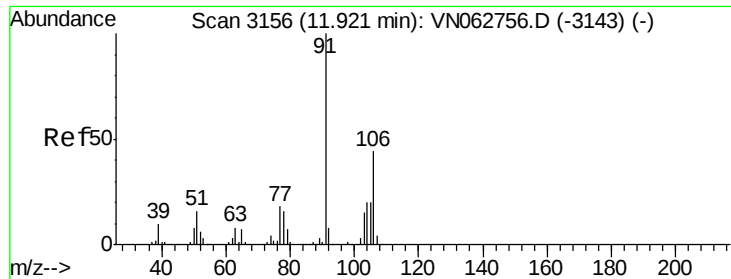
Tot Ion: 91 Resp: 462757
Ion Ratio Lower Upper
91 100
106 30.0 23.2 34.8



#68
m/p-Xylenes
Concen: 90.811 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion: 106 Resp: 337911
Ion Ratio Lower Upper
106 100
91 216.5 175.9 263.9

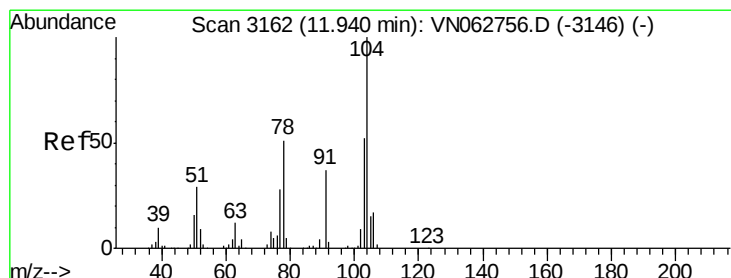
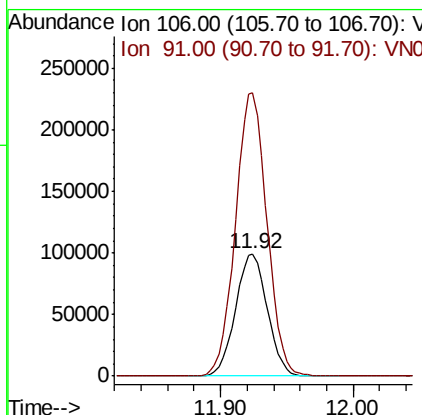
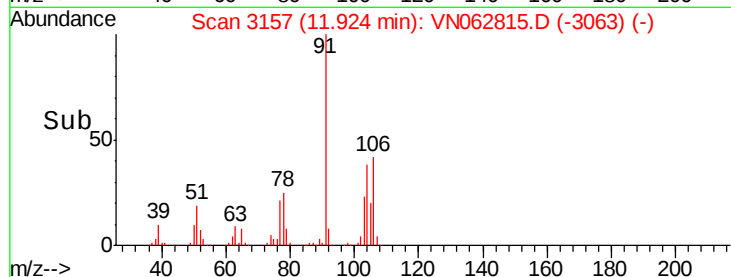
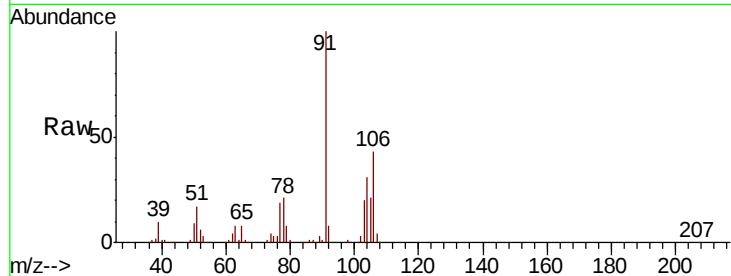




#69
o-Xylene
Concen: 47.405 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

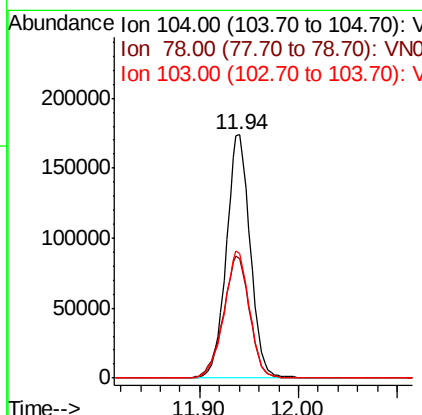
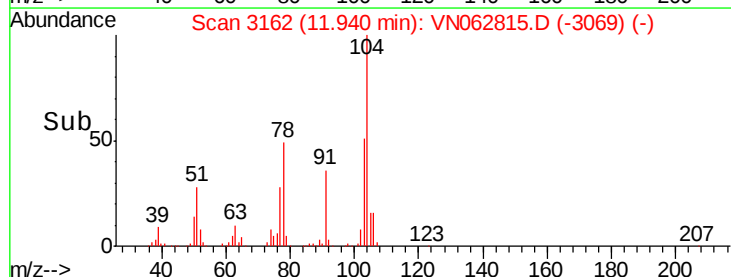
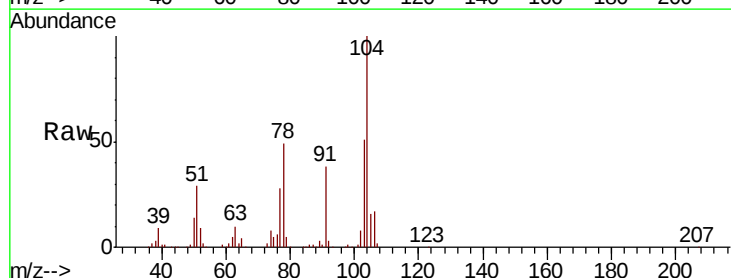
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MS

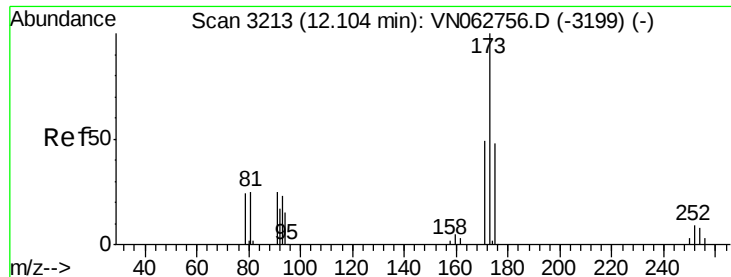
Tot Ion:106 Resp: 165306
Ion Ratio Lower Upper
106 100
91 229.1 115.8 347.4



#70
Styrene
Concen: 48.181 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion:104 Resp: 295325
Ion Ratio Lower Upper
104 100
78 54.9 45.9 68.9
103 55.4 45.1 67.7





#71

Bromoform

Concen: 44.266 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

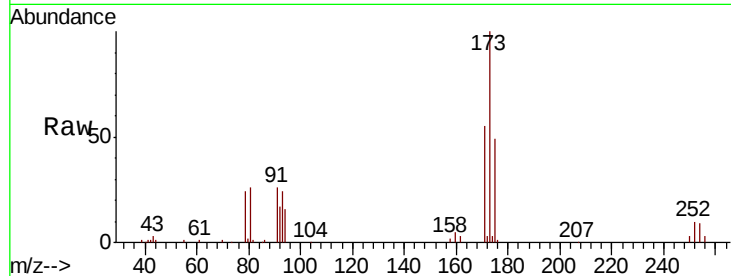
Tot Ion:173 Resp: 83314

Ion Ratio Lower Upper

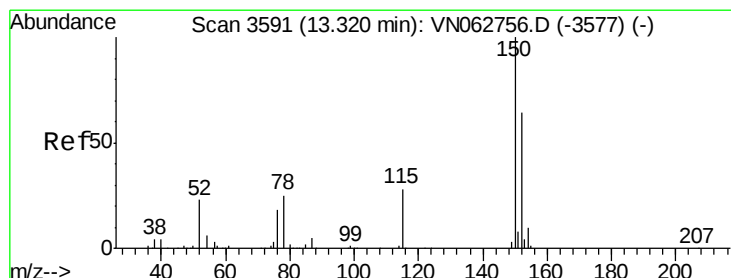
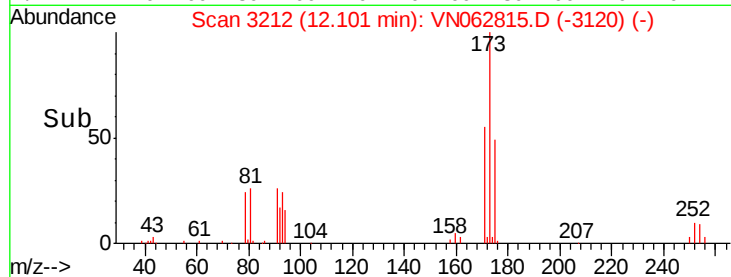
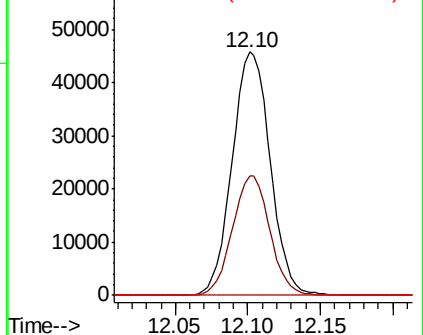
173 100

175 48.2 24.0 72.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

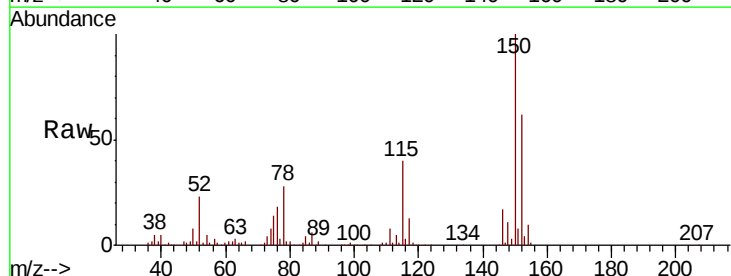
Tgt Ion:152 Resp: 130161

Ion Ratio Lower Upper

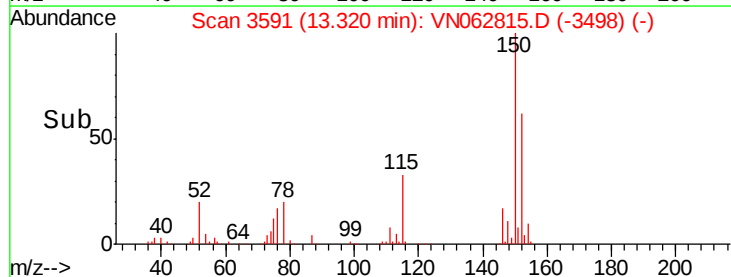
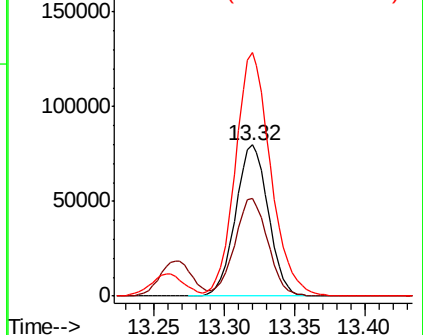
152 100

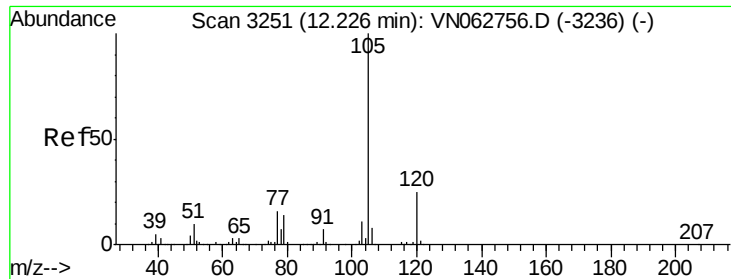
115 64.8 31.6 94.8

150 172.5 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

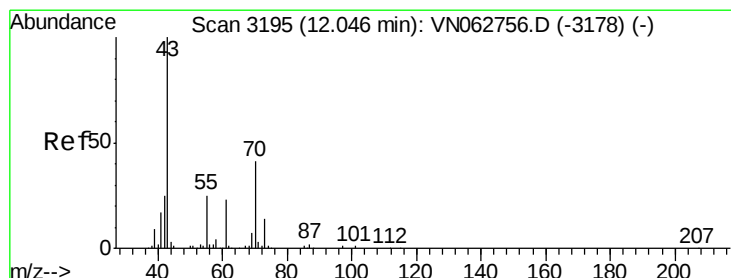
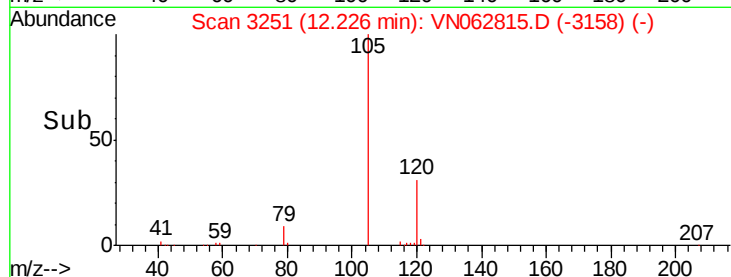
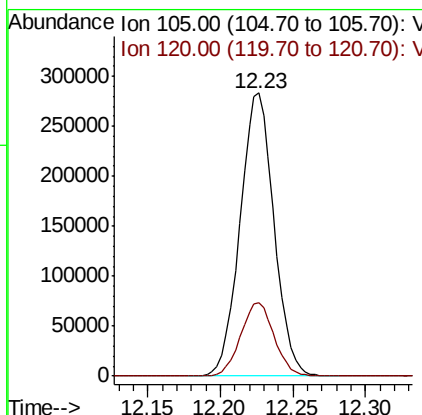
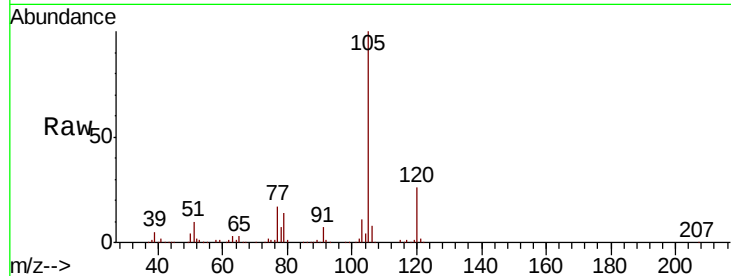




#73
Isopropylbenzene
Concen: 46.873 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

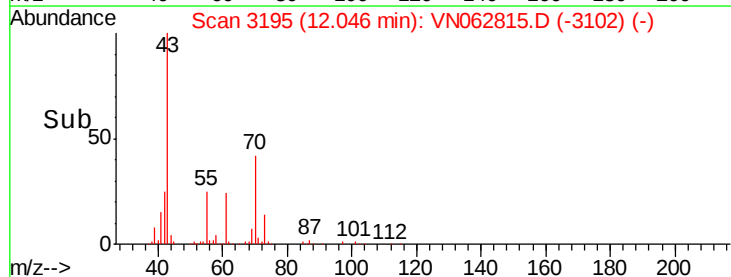
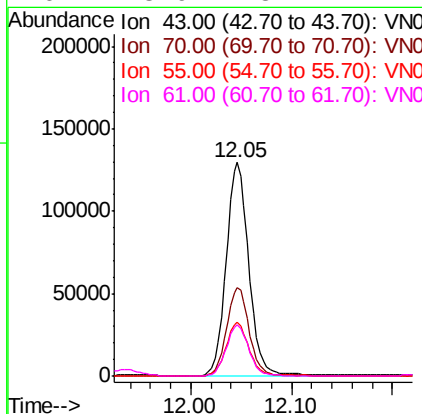
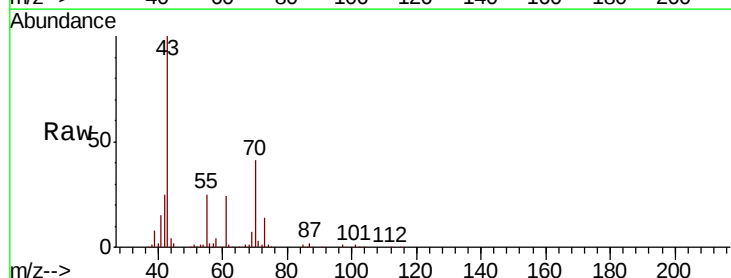
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MS

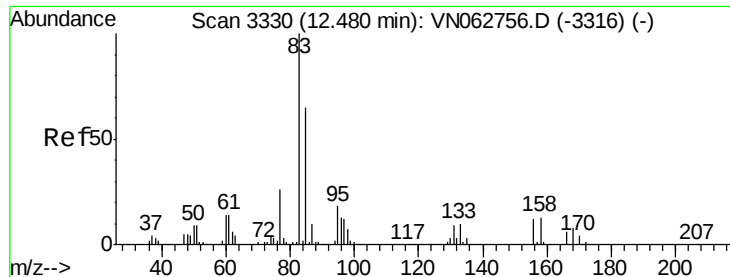
Tot Ion:105 Resp: 459409
Ion Ratio Lower Upper
105 100
120 25.7 12.6 37.8



#74
N-ethyl acetate
Concen: 51.242 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion: 43 Resp: 203526
Ion Ratio Lower Upper
43 100
70 41.6 32.3 48.5
55 25.3 20.2 30.2
61 23.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.160 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

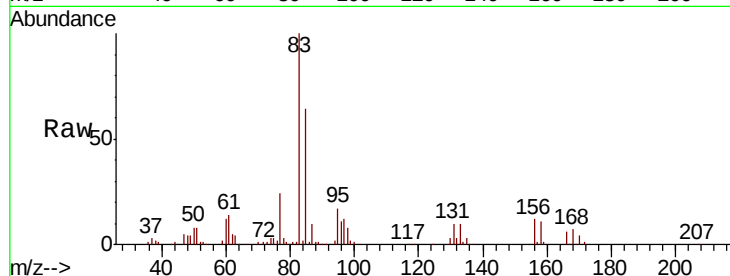
Tot Ion: 83 Resp: 159262

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.4

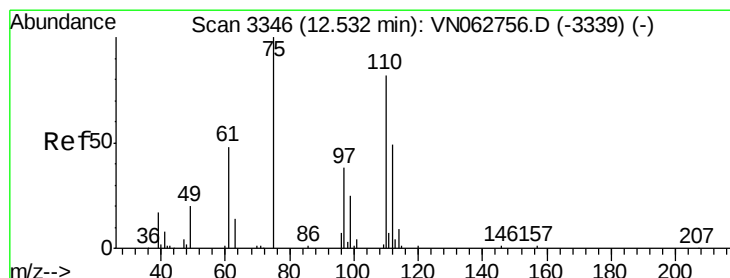
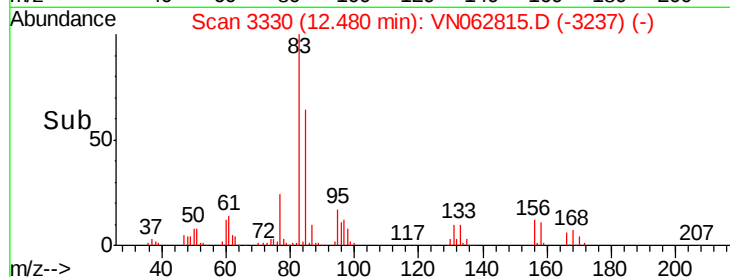
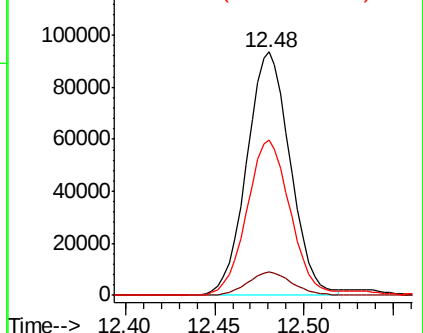
85 63.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN062815.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN062815.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN062815.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 59.363 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062815.D

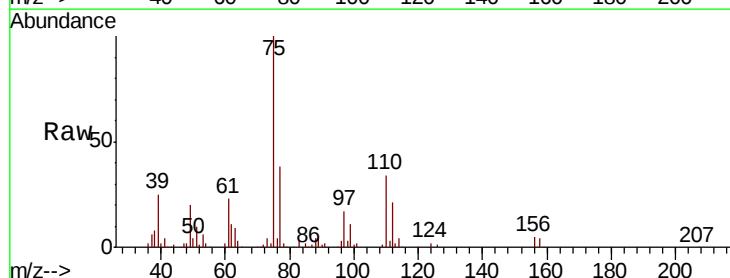
Acq: 10 Aug 2020 17:48

Tgt Ion: 75 Resp: 208381

Ion Ratio Lower Upper

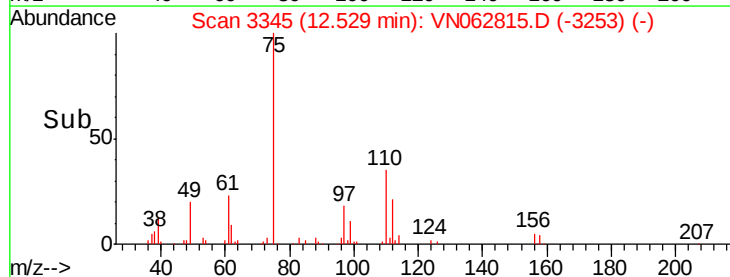
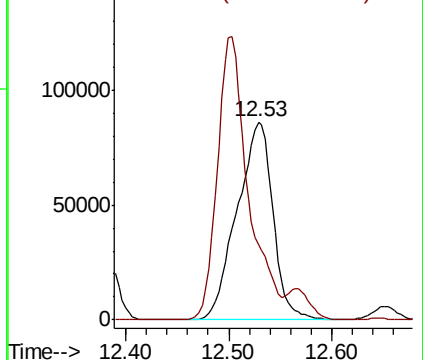
75 100

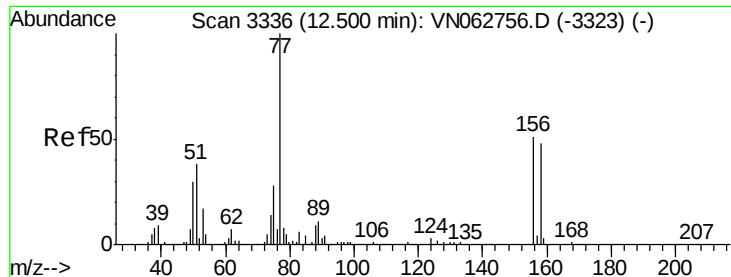
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062815.D (-3253) (-)

Ion 77.00 (76.70 to 77.70): VN062815.D (-3253) (-)





#77

Bromobenzene

Concen: 45.169 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

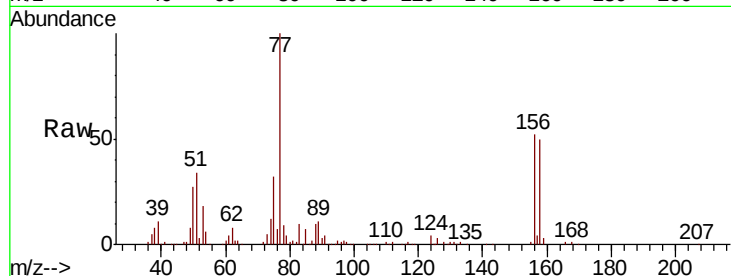
Tot Ion:156 Resp: 109998

Ion Ratio Lower Upper

156 100

77 233.0 119.7 359.1

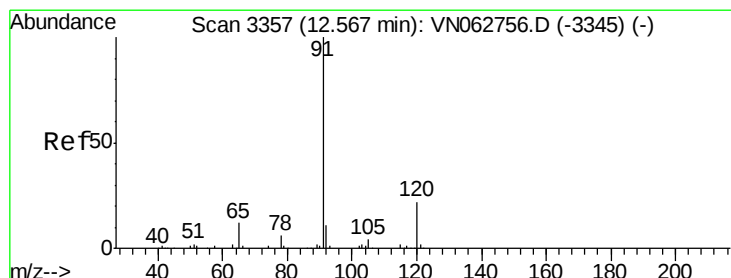
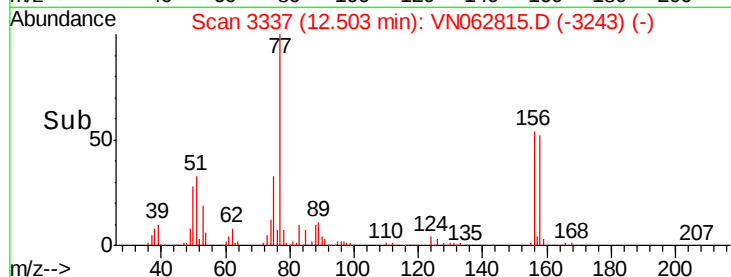
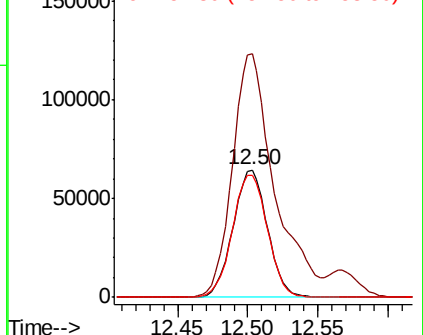
158 98.4 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.953 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062815.D

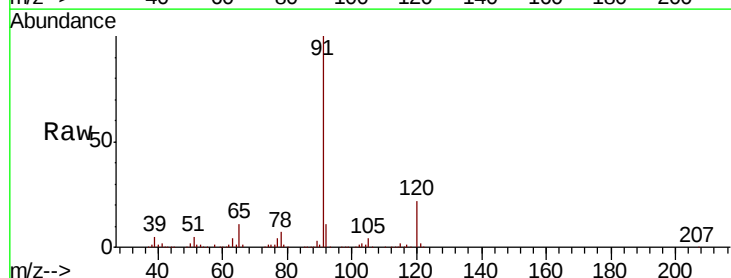
Acq: 10 Aug 2020 17:48

Tgt Ion: 91 Resp: 517186

Ion Ratio Lower Upper

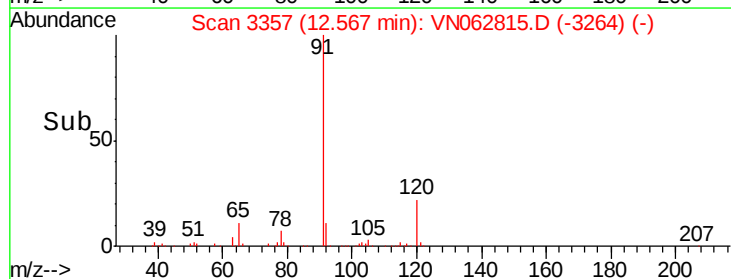
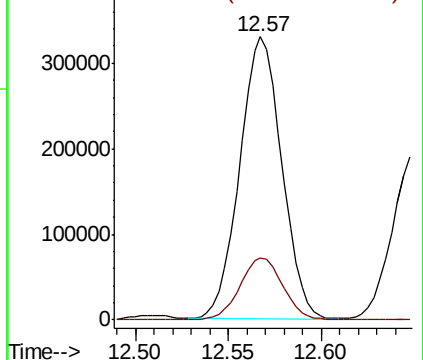
91 100

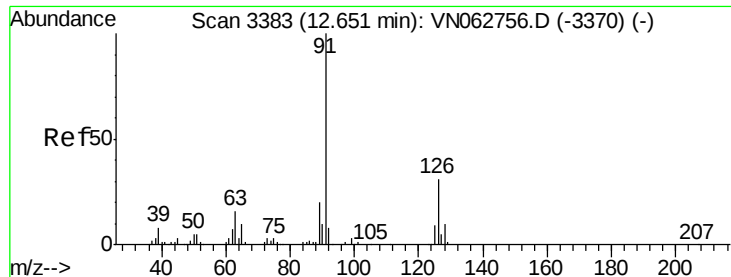
120 22.4 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.903 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

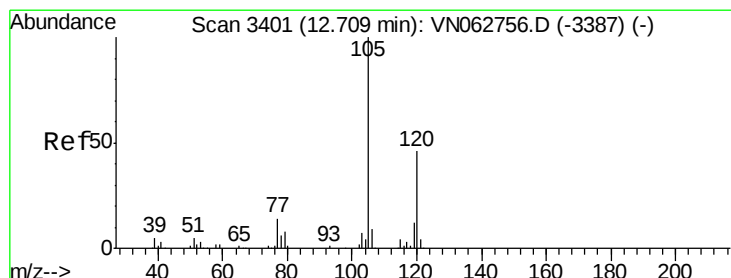
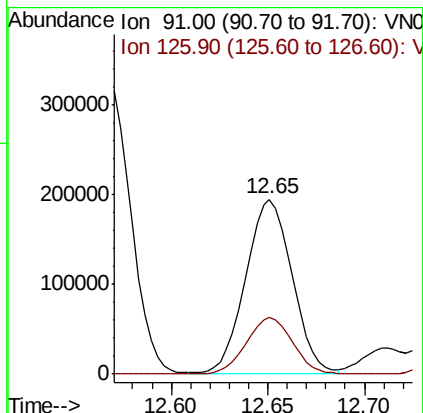
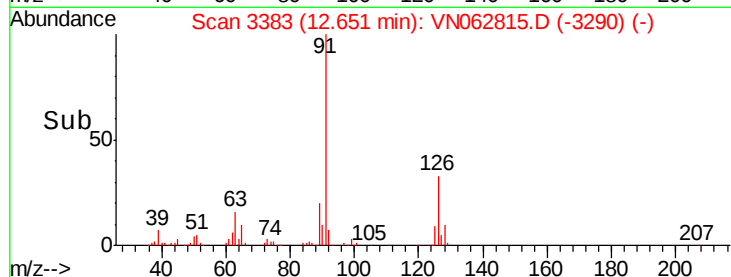
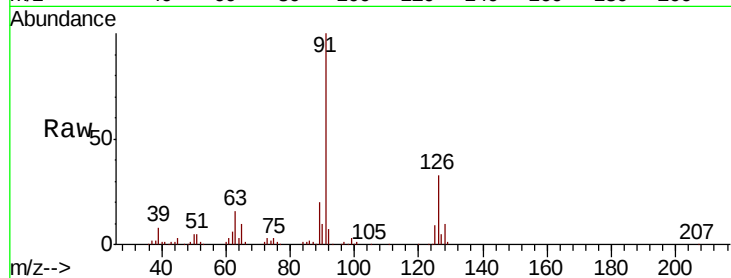
BP-VPB179-GW-498-500MS

Tot Ion: 91 Resp: 323961

Ion Ratio Lower Upper

91 100

126 32.5 15.6 46.7



#80

1,3,5-Trimethylbenzene

Concen: 46.965 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062815.D

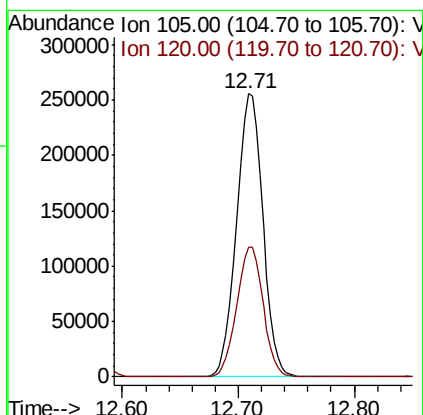
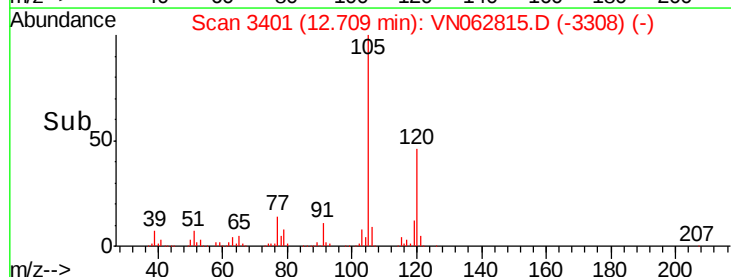
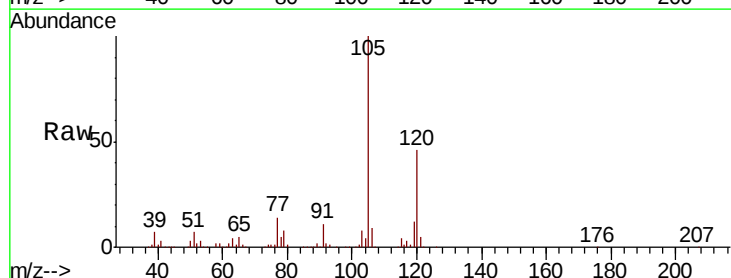
Acq: 10 Aug 2020 17:48

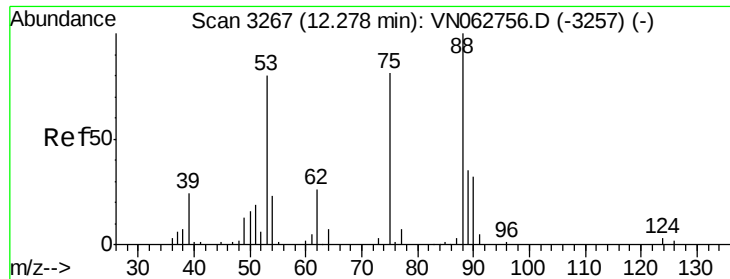
Tgt Ion: 105 Resp: 399337

Ion Ratio Lower Upper

105 100

120 46.3 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 46.630 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

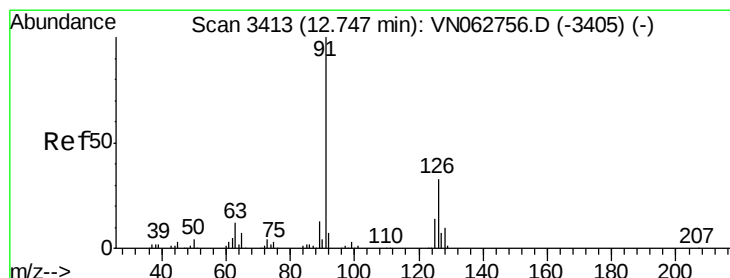
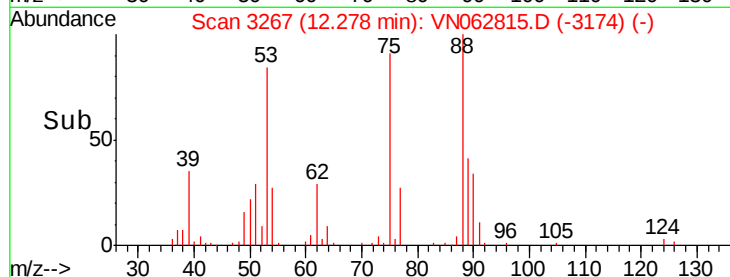
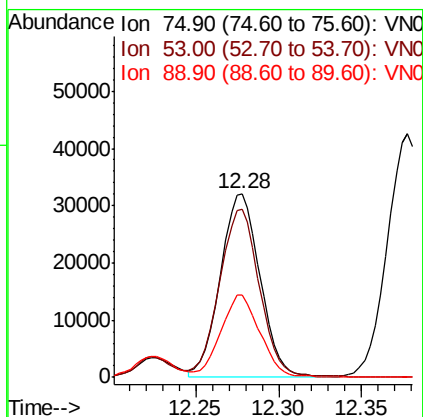
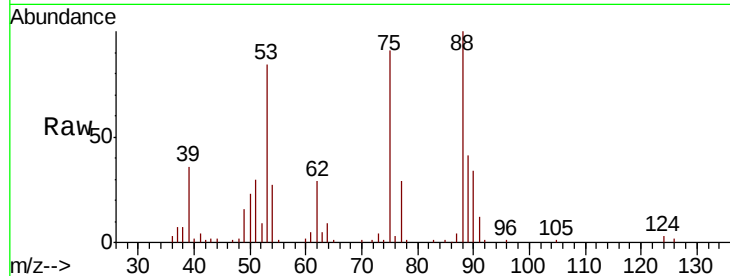
Tot Ion: 75 Resp: 53620

Ion Ratio Lower Upper

75 100

53 92.4 79.1 118.7

89 44.5 36.2 54.2



#82

4-Chlorotoluene

Concen: 45.517 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN062815.D

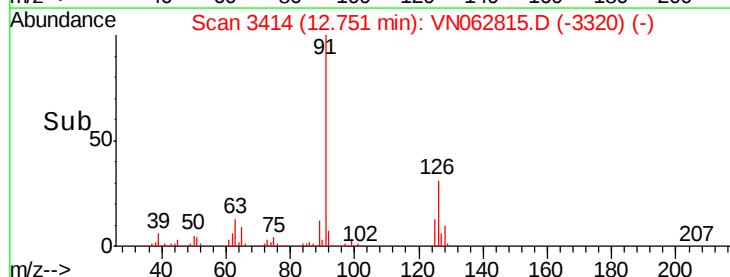
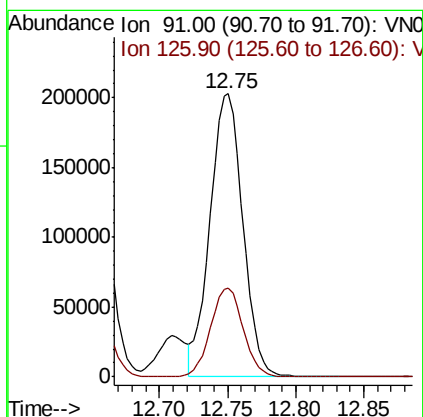
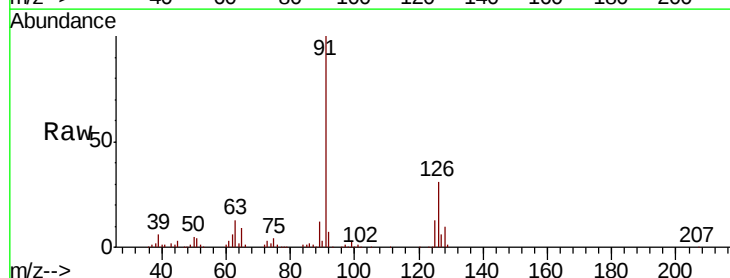
Acq: 10 Aug 2020 17:48

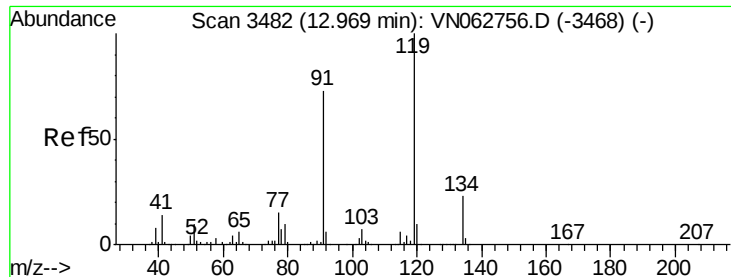
Tgt Ion: 91 Resp: 338414

Ion Ratio Lower Upper

91 100

126 31.3 15.3 45.9





#83

tert-Butylbenzene

Concen: 46.872 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

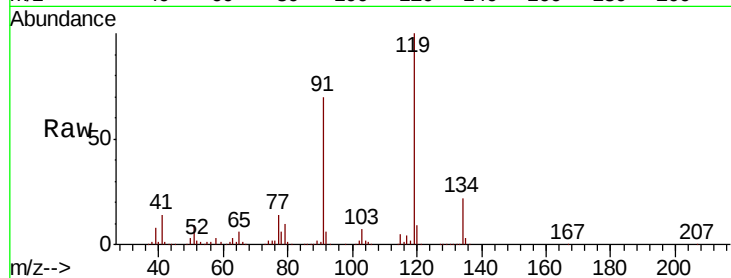
Tot Ion:119 Resp: 337239

Ion Ratio Lower Upper

119 100

91 69.3 36.5 109.5

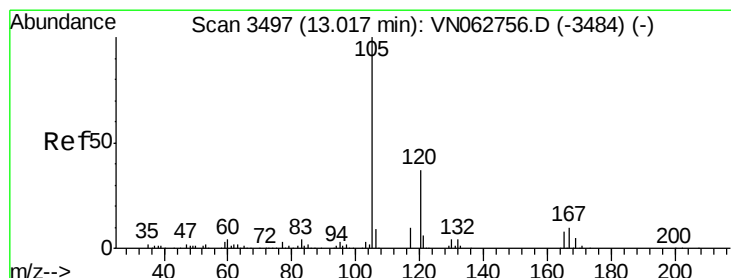
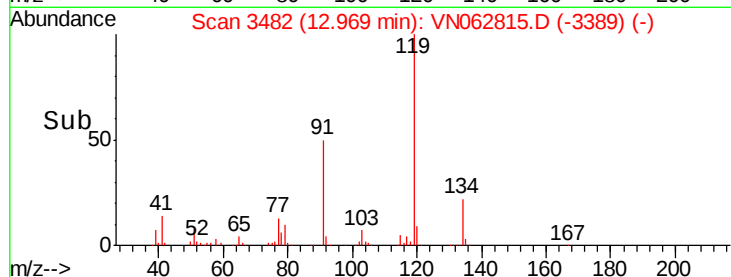
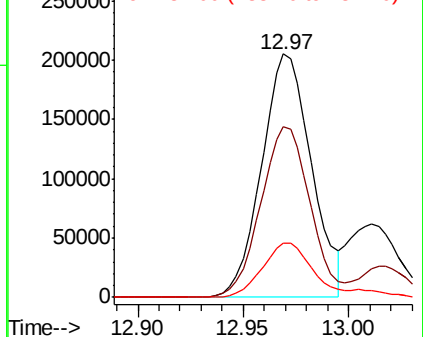
134 24.6 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.024 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. -0.00 min

Lab File: VN062815.D

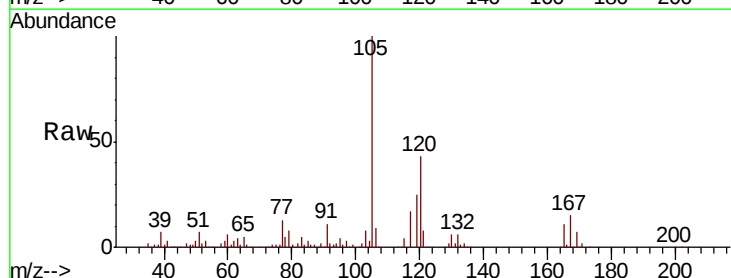
Acq: 10 Aug 2020 17:48

Tgt Ion:105 Resp: 390655

Ion Ratio Lower Upper

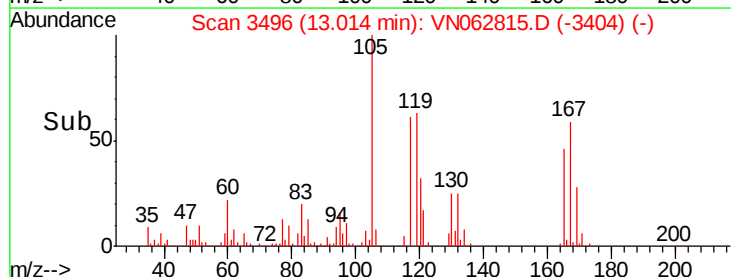
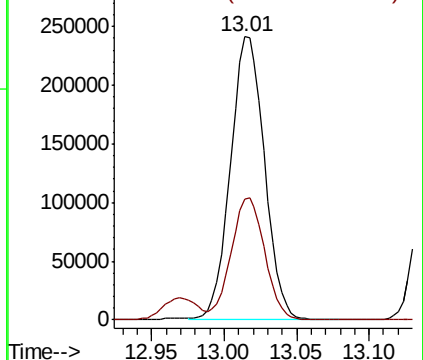
105 100

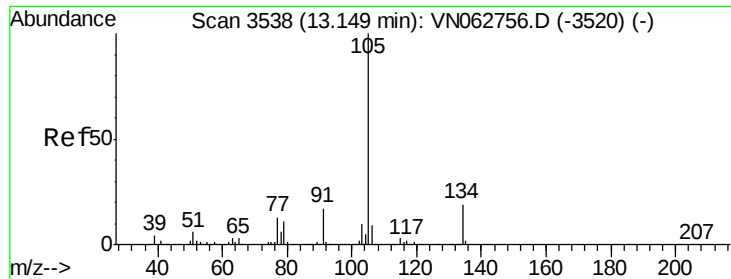
120 42.6 21.4 64.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.945 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

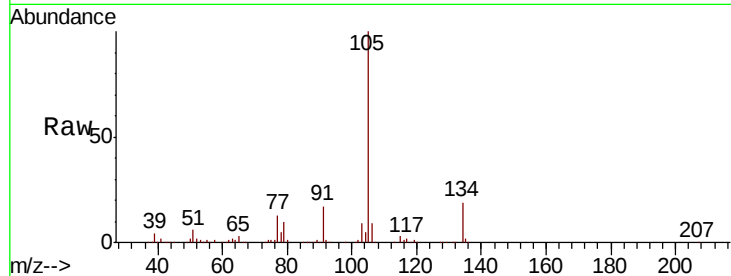
BP-VPB179-GW-498-500MS

Tot Ion:105 Resp: 434102

Ion Ratio Lower Upper

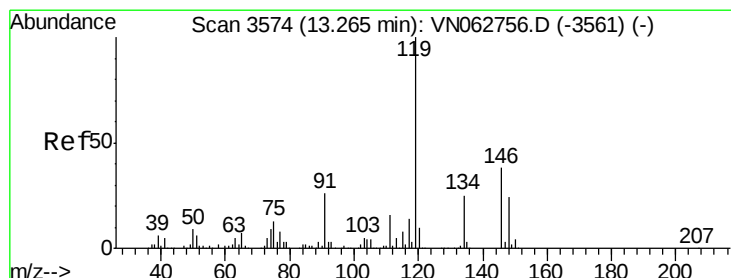
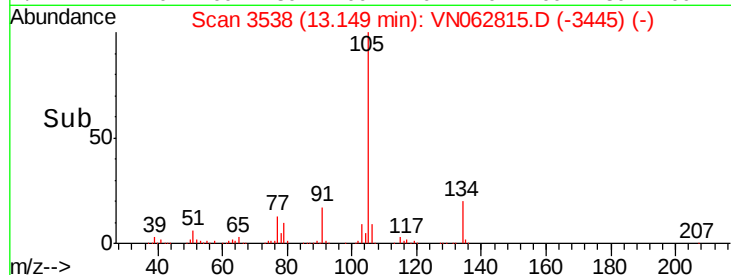
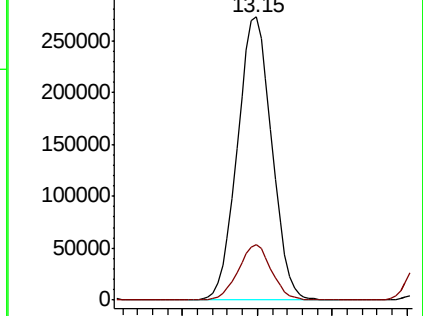
105 100

134 18.9 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.855 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

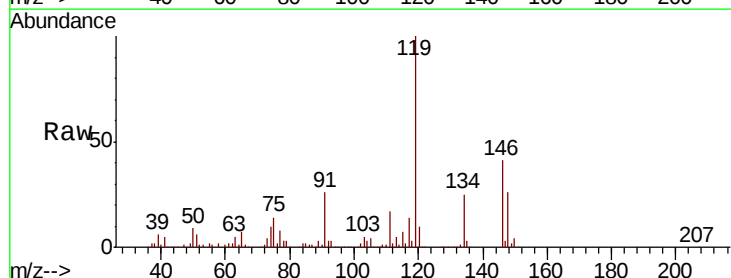
Tgt Ion:119 Resp: 384569

Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.8

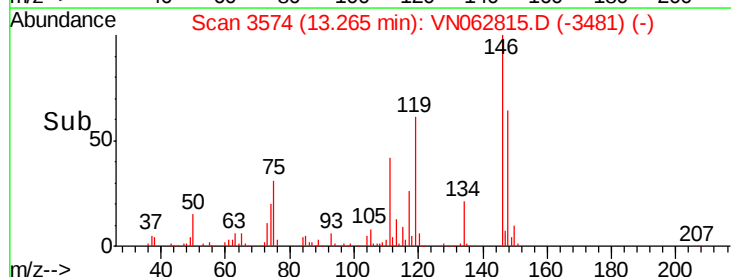
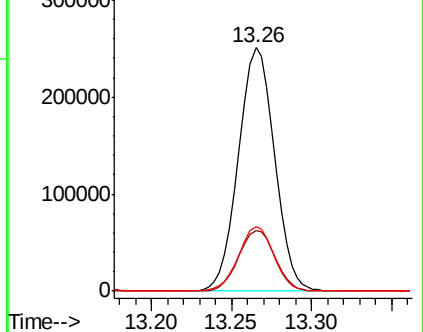
91 25.6 13.4 40.2

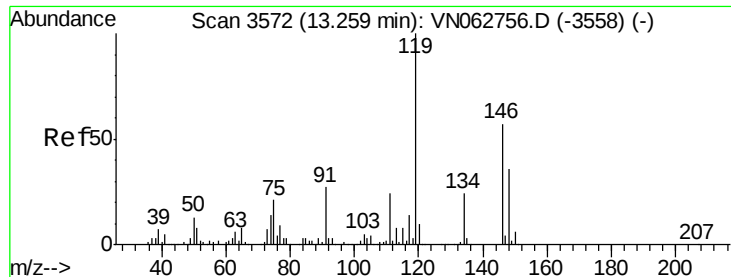


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

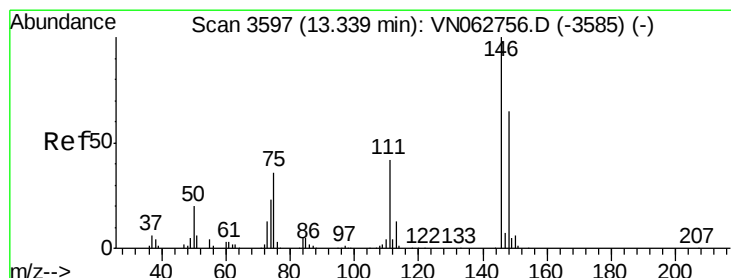
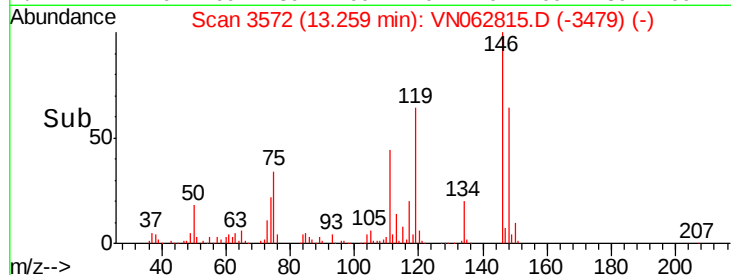
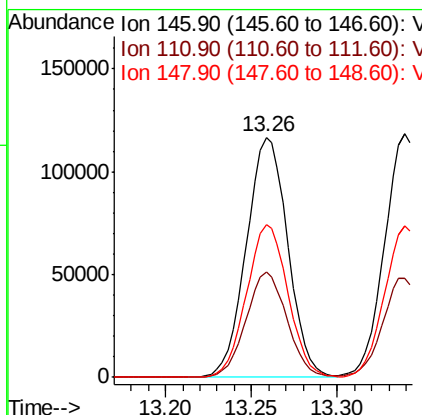
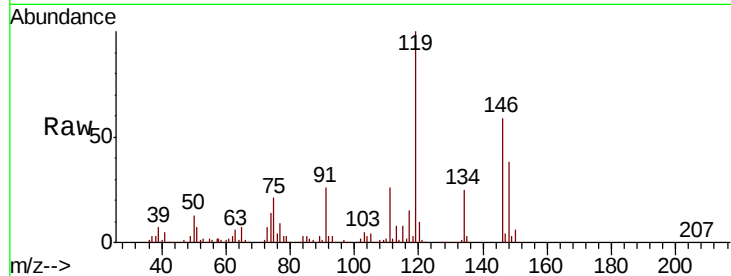




#87
 1,3-Dichlorobenzene
 Concen: 44.846 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

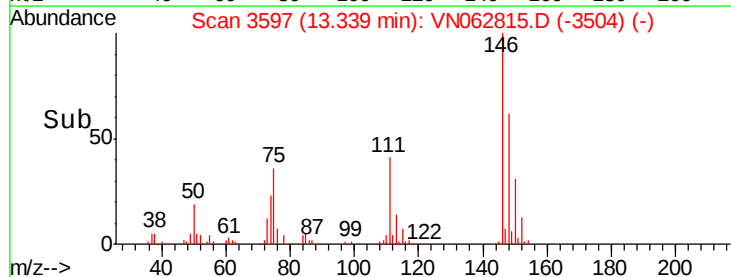
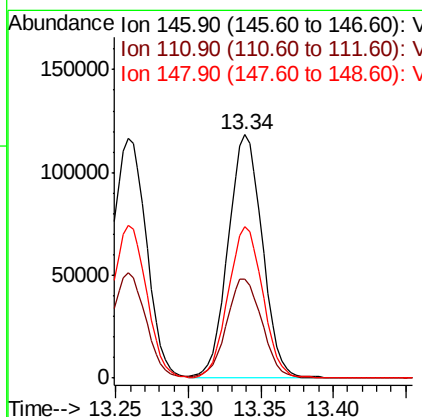
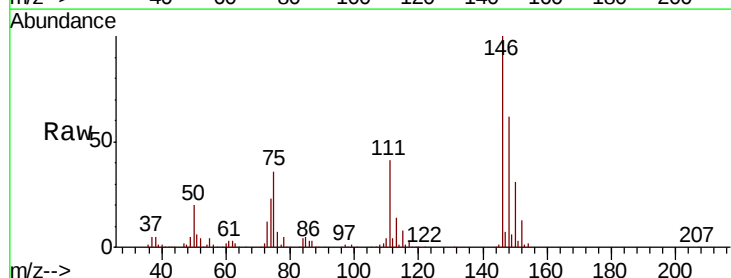
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MS

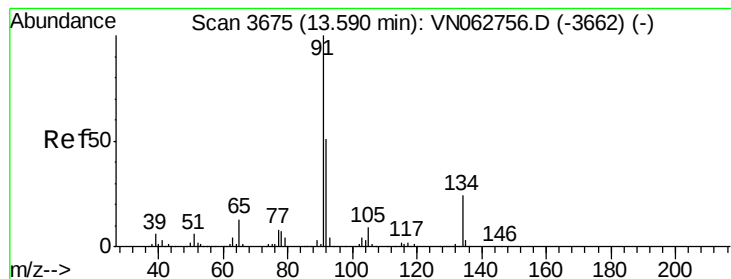
Tot Ion:146 Resp: 195103
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.7 65.1
 148 63.5 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 44.292 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion:146 Resp: 193266
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.6 64.6
 148 62.7 32.6 97.8





#89

n-Butylbenzene

Concen: 42.073 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

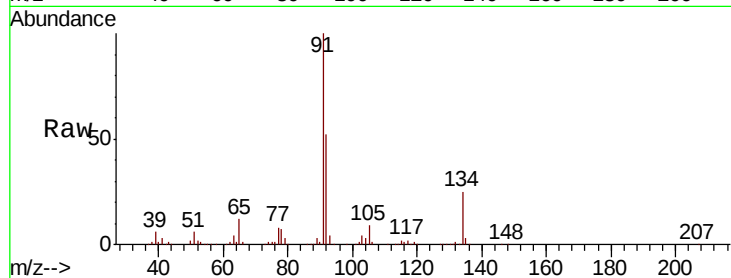
Tot Ion: 91 Resp: 298422

Ion Ratio Lower Upper

91 100

92 52.0 25.7 77.0

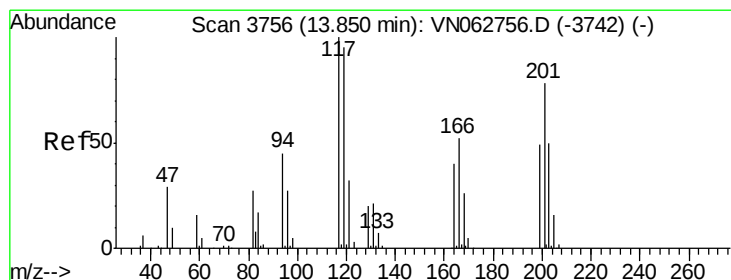
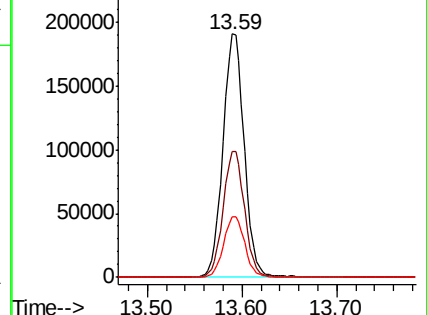
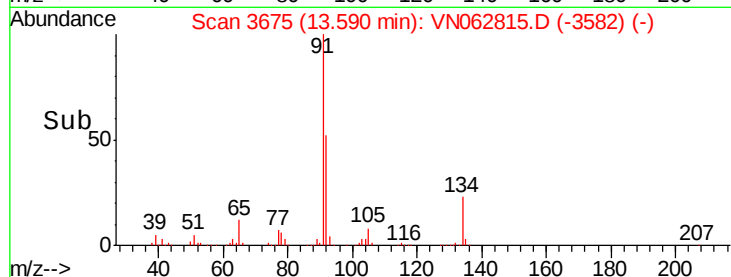
134 24.9 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN062756.D (-3662) (-)

Ion 92.00 (91.70 to 92.70): VN062756.D (-3662) (-)

Ion 134.00 (133.70 to 134.70): VN062756.D (-3662) (-)



#90

Hexachloroethane

Concen: 42.911 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN062815.D

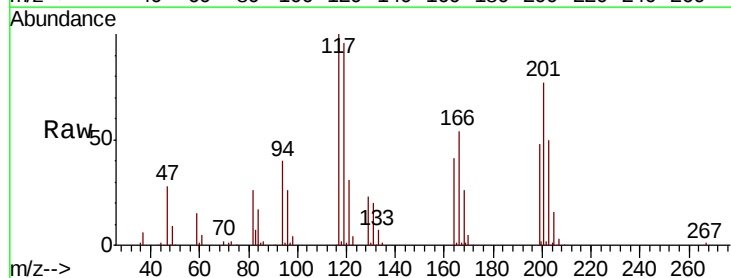
Acq: 10 Aug 2020 17:48

Tgt Ion: 117 Resp: 77574

Ion Ratio Lower Upper

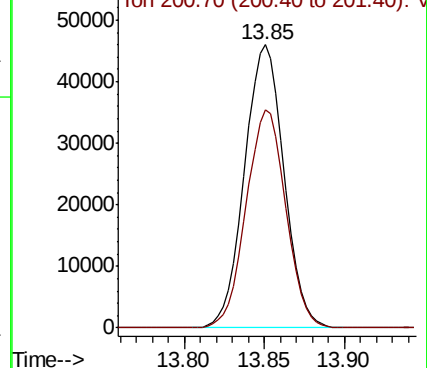
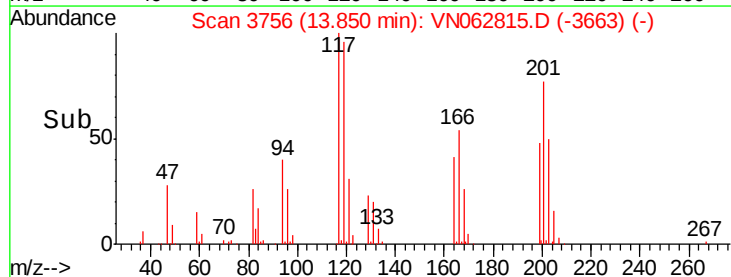
117 100

201 77.3 39.2 117.6



Abundance Ion 116.80 (116.50 to 117.50): VN062756.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062756.D (-3742) (-)

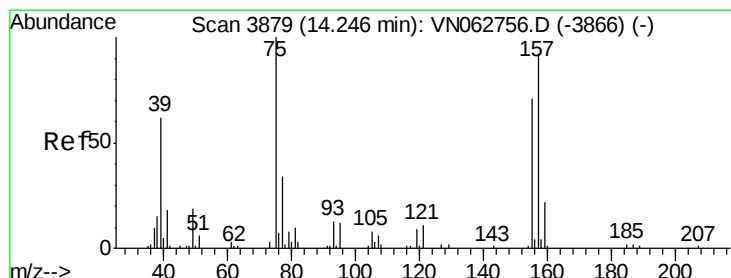
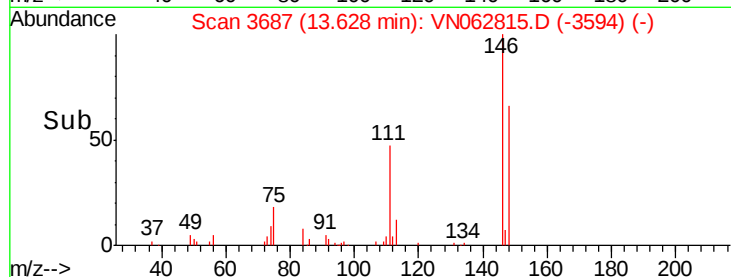
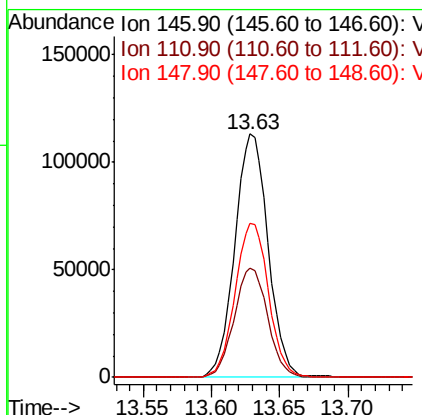
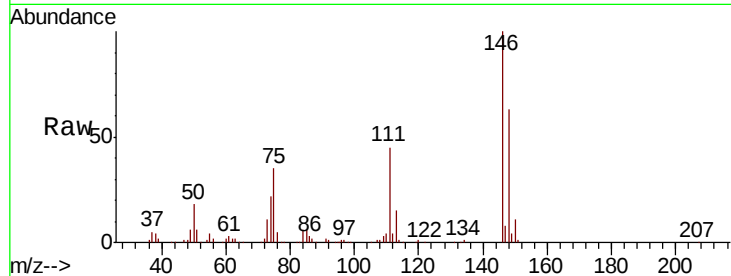




#91
 1,2-Dichlorobenzene
 Concen: 47.016 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

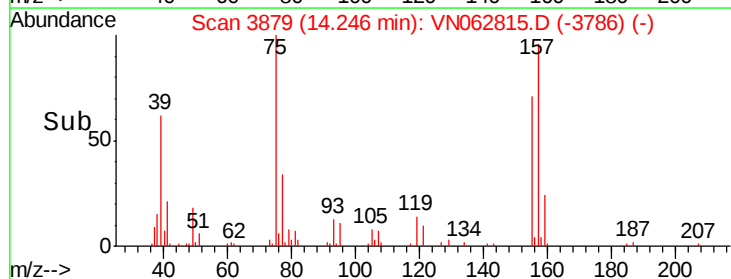
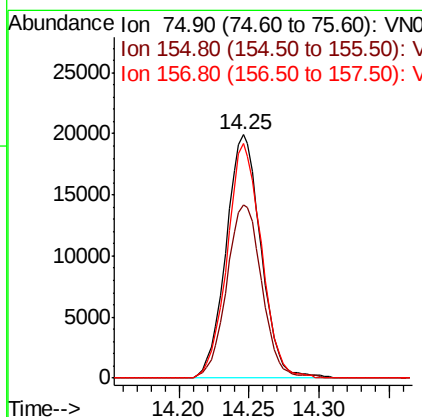
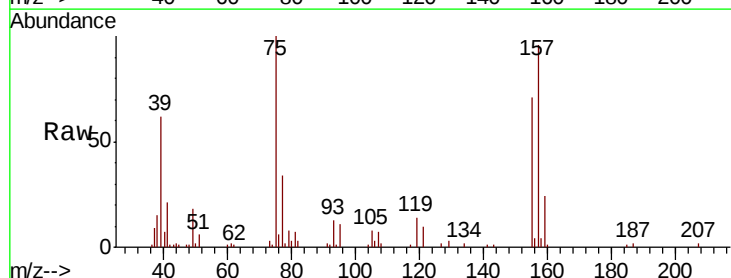
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MS

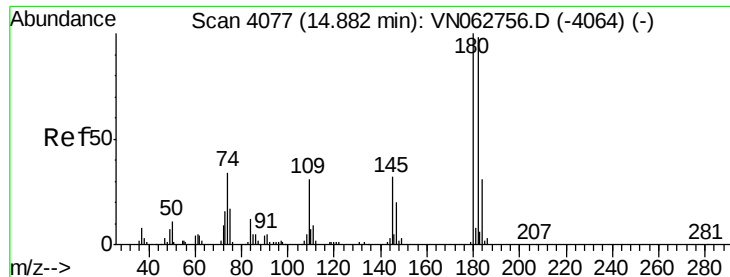
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.8	68.4
148	63.5	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.555 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	35.0	105.1
157	94.2	43.2	129.6

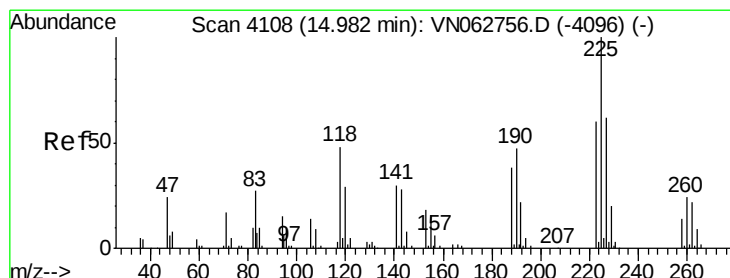
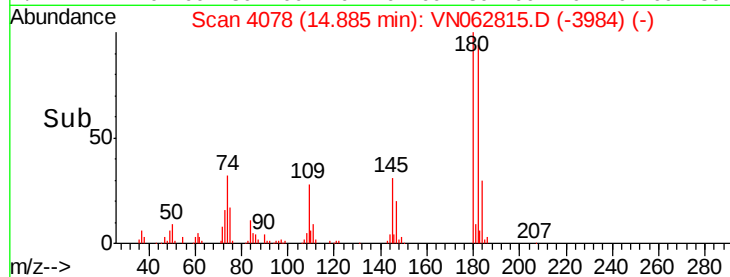
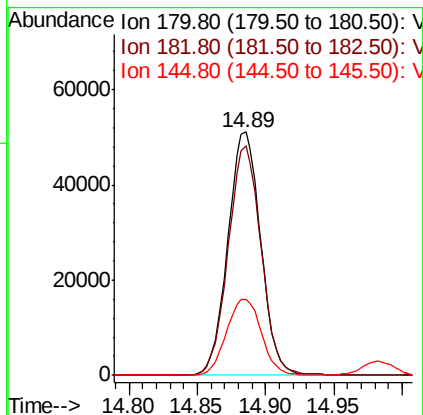
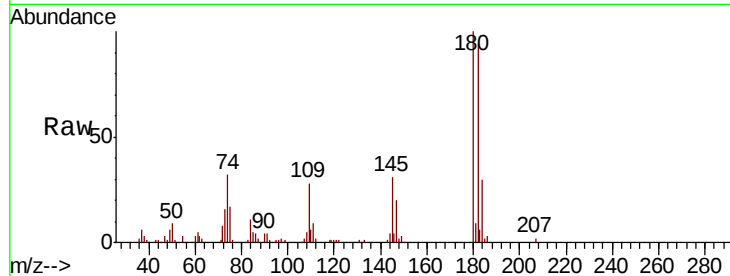




#93
 1,2,4-Trichlorobenzene
 Concen: 39.686 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

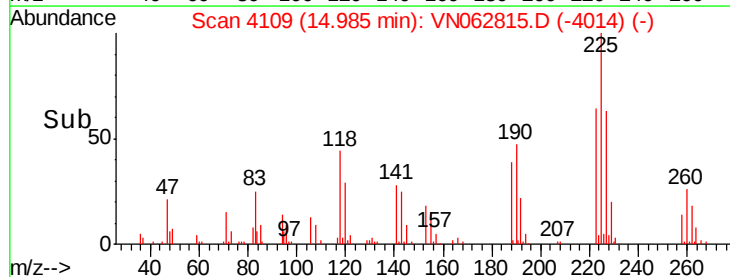
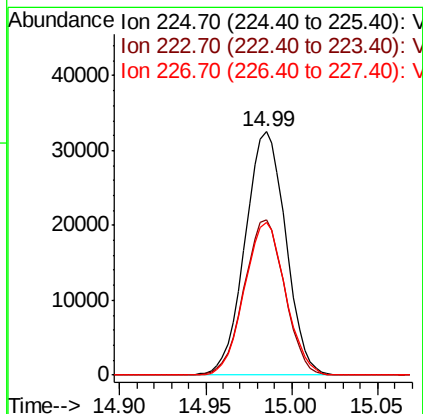
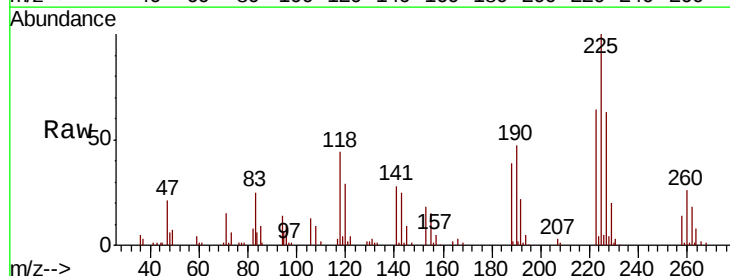
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MS

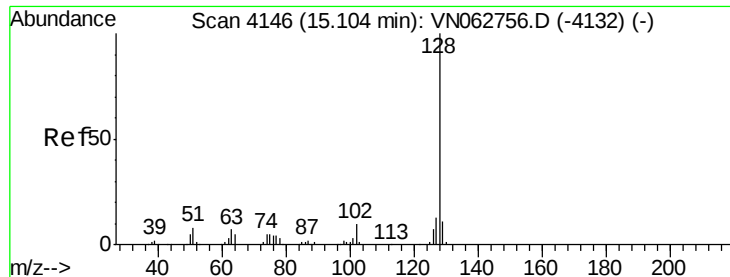
Tot Ion:180 Resp: 85325
 Ion Ratio Lower Upper
 180 100
 182 94.6 49.1 147.4
 145 33.1 16.3 48.8



#94
 Hexachlorobutadiene
 Concen: 41.399 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion:225 Resp: 53488
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.6 92.0
 227 63.1 31.6 95.0

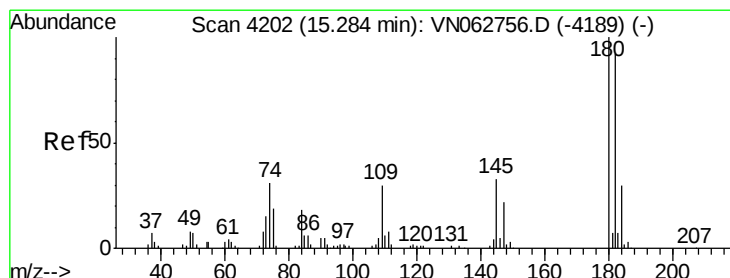
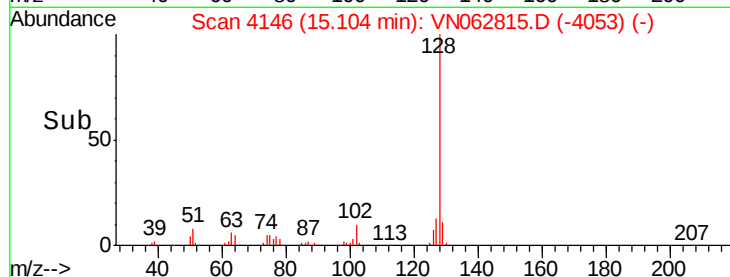
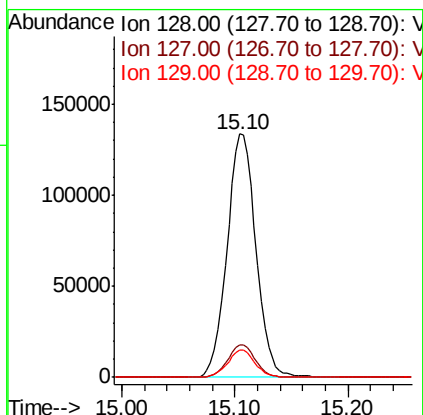
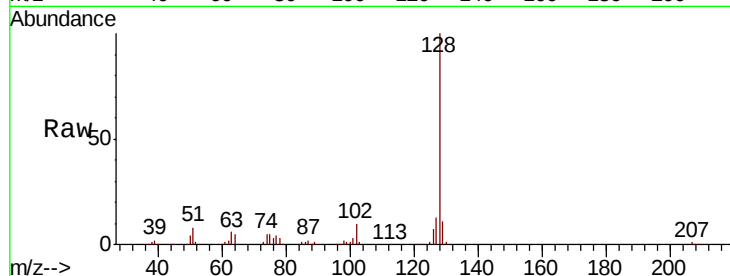




#95
Naphthalene
Concen: 40.467 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.8	16.2
129	10.6	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 41.144 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.6
145	34.1	17.3	51.7

