

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071320\
 Data File : VY003184.D
 Acq On : 13 Jul 2020 16:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 14 03:56:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	493978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	709243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	651282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	339481	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	199812	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
35) Dibromofluoromethane	7.72	113	200695	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	10.18	98	734686	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.48	95	262288	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	157233	44.410	ug/l	99
3) Chloromethane	2.11	50	226044	46.029	ug/l	100
4) Vinyl Chloride	2.25	62	233753	46.391	ug/l	97
5) Bromomethane	2.66	94	176172	47.072	ug/l	95
6) Chloroethane	2.80	64	155538	46.998	ug/l	99
7) Trichlorofluoromethane	3.13	101	343752	47.771	ug/l	98
8) Diethyl Ether	3.54	74	113171	46.934	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	214939	49.458	ug/l	98
10) Methyl Iodide	4.10	142	227974	48.284	ug/l	99
11) Tert butyl alcohol	4.96	59	89083	197.594	ug/l	100
12) 1,1-Dichloroethene	3.88	96	201322	48.977	ug/l	97
13) Acrolein	3.74	56	93616	239.234	ug/l	97
14) Allyl chloride	4.49	41	306591	50.266	ug/l	99
15) Acrylonitrile	5.18	53	264405	228.274	ug/l	99
16) Acetone	3.96	43	213992	229.776	ug/l	97
17) Carbon Disulfide	4.20	76	623778	49.453	ug/l	99
18) Methyl Acetate	4.49	43	114447	44.250	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	550644	47.802	ug/l	100
20) Methylene Chloride	4.73	84	236725	50.584	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	227087	48.844	ug/l	97
22) Diisopropyl ether	6.13	45	685725	50.656	ug/l	98
23) Vinyl Acetate	6.07	43	2200322	243.868	ug/l	99
24) 1,1-Dichloroethane	6.03	63	397038	50.626	ug/l	99
25) 2-Butanone	6.99	43	343707	224.774	ug/l	97
26) 2,2-Dichloropropane	6.99	77	352058	49.847	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	257229	50.250	ug/l	100
28) Bromochloromethane	7.34	49	163606	48.184	ug/l	97
29) Tetrahydrofuran	7.35	42	229445	223.361	ug/l	100
30) Chloroform	7.51	83	403497	49.954	ug/l	100
31) Cyclohexane	7.79	56	359328	47.382	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	363681	50.013	ug/l	99
36) 1,1-Dichloropropene	7.92	75	322136	50.114	ug/l	99
37) Ethyl Acetate	7.08	43	162142	46.839	ug/l	98
38) Carbon Tetrachloride	7.91	117	335302	50.527	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	404629	50.108	ug/l	99
40) Benzene	8.16	78	886198	50.069	ug/l	97
41) Methacrylonitrile	7.35	41	216696	103.936	ug/l #	44
42) 1,2-Dichloroethane	8.24	62	264450	48.532	ug/l	99
43) Isopropyl Acetate	8.28	43	311827	46.537	ug/l	99
44) Trichloroethene	8.94	130	266272	49.075	ug/l	98
45) 1,2-Dichloropropane	9.22	63	231715	50.595	ug/l	99
46) Dibromomethane	9.31	93	129630	48.461	ug/l	99
47) Bromodichloromethane	9.50	83	319556	50.230	ug/l	100
48) Methyl methacrylate	9.30	41	143036	47.749	ug/l	97
49) 1,4-Dioxane	9.30	88	32433	955.338	ug/l	88
51) 4-Methyl-2-Pentanone	10.07	43	803433	230.687	ug/l	100
52) Toluene	10.25	92	564148	49.867	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	329620	50.007	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	379681	49.993	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	181696	47.935	ug/l	98
56) Ethyl methacrylate	10.51	69	252111	48.922	ug/l	97
57) 1,3-Dichloropropane	10.79	76	309006	48.079	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	624302	237.542	ug/l	100
59) 2-Hexanone	10.83	43	554221	227.959	ug/l	100
60) Dibromochloromethane	10.99	129	232721	48.814	ug/l	99
61) 1,2-Dibromoethane	11.09	107	176846	47.272	ug/l	99
64) Tetrachloroethene	10.72	164	282855	48.709	ug/l	99
65) Chlorobenzene	11.52	112	624572	49.780	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	244792	50.234	ug/l	99
67) Ethyl Benzene	11.59	91	1127113	50.313	ug/l	99
68) m/p-Xylenes	11.70	106	859164	101.079	ug/l	100
69) o-Xylene	12.03	106	400721	50.464	ug/l	99
70) Styrene	12.05	104	691459	50.902	ug/l	99
71) Bromoform	12.21	173	152187	47.584	ug/l	98
73) Isopropylbenzene	12.33	105	1097530	50.732	ug/l	99
74) N-amyl acetate	12.14	43	295907	48.747	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	197191	47.194	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	275058	91.534	ug/l #	100
77) Bromobenzene	12.61	156	277979	50.408	ug/l	99
78) n-propylbenzene	12.67	91	1311755	51.439	ug/l	99
79) 2-Chlorotoluene	12.76	91	723470	50.848	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	922892	51.184	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	73256	47.444	ug/l	98
82) 4-Chlorotoluene	12.86	91	762433	51.340	ug/l	99
83) tert-Butylbenzene	13.08	119	807461	50.752	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	930115	51.268	ug/l	99
85) sec-Butylbenzene	13.25	105	1129722	51.663	ug/l	99
86) p-Isopropyltoluene	13.37	119	1044601	51.162	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	520579	49.920	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	515277	49.908	ug/l	99
89) n-Butylbenzene	13.70	91	990675	51.584	ug/l	100
90) Hexachloroethane	13.96	117	193473	52.033	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	458816	50.135	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	28579	42.190	ug/l	95

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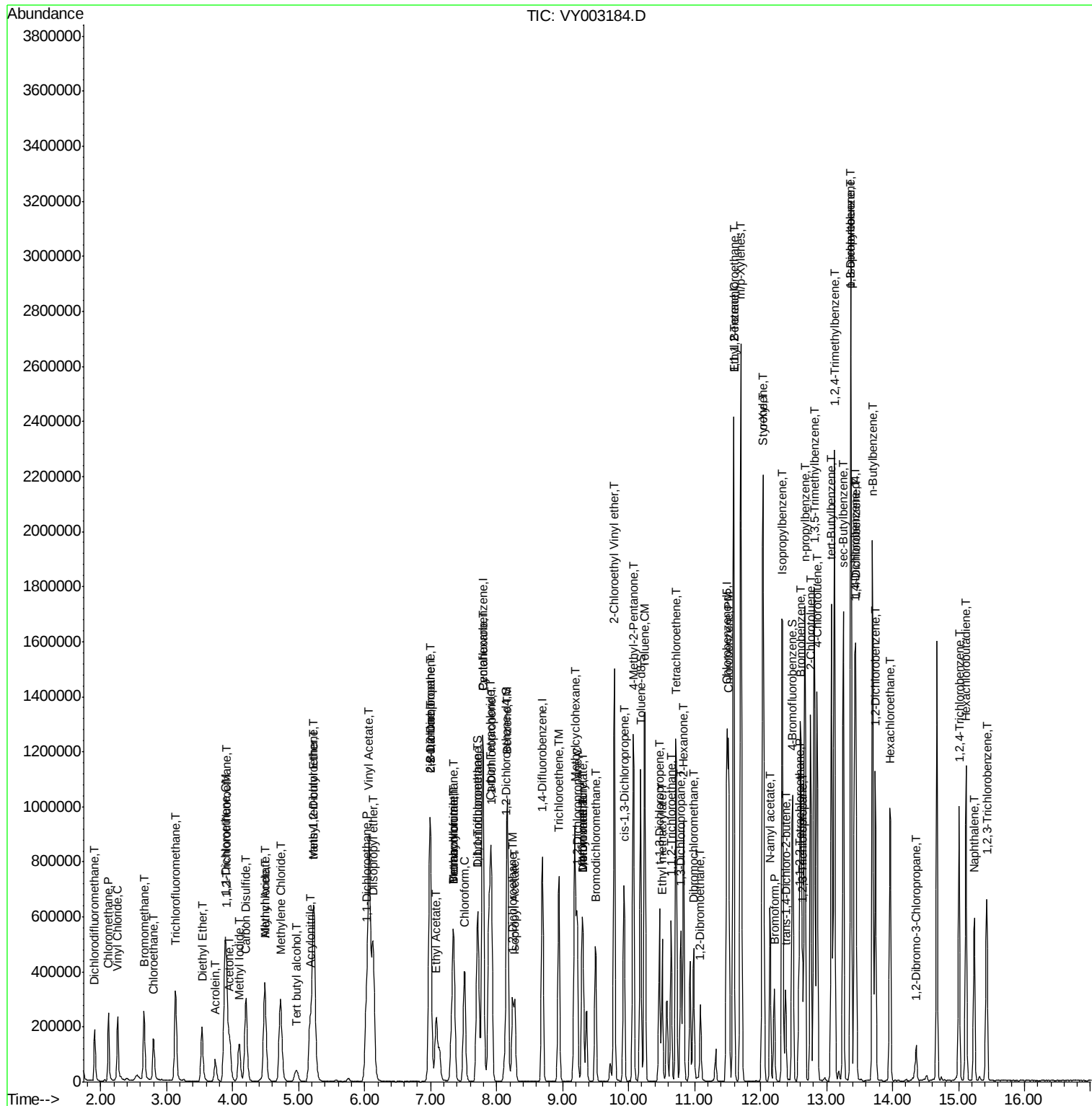
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	315237	48.420	ug/l	99
94) Hexachlorobutadiene	15.11	225	224587	50.344	ug/l	99
95) Naphthalene	15.24	128	488402	45.392	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	235326	45.726	ug/l	98

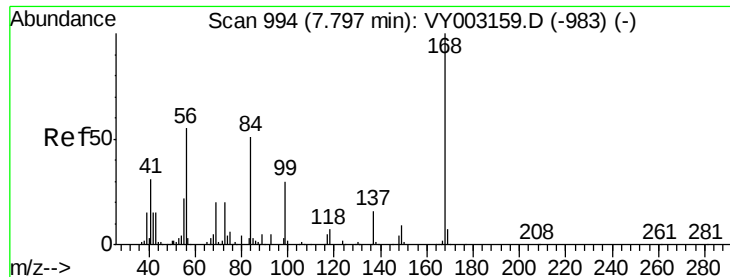
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

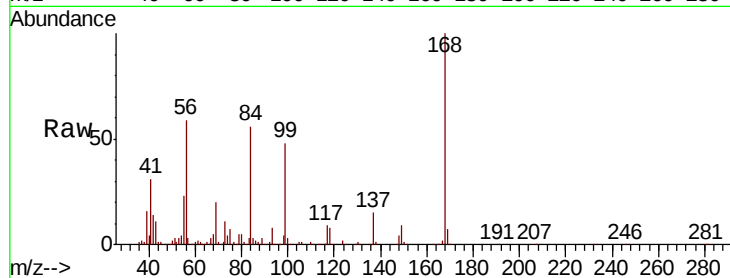
VSTDCCC050EC

Tot Ion:168 Resp: 493978

Ion Ratio Lower Upper

168 100

99 47.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

250000

200000

150000

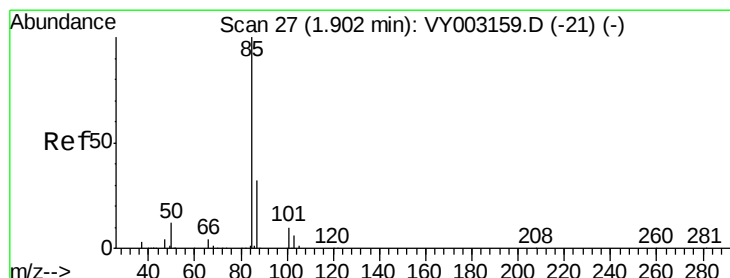
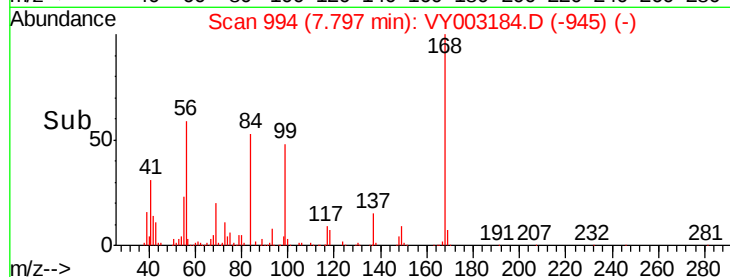
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 44.410 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003184.D

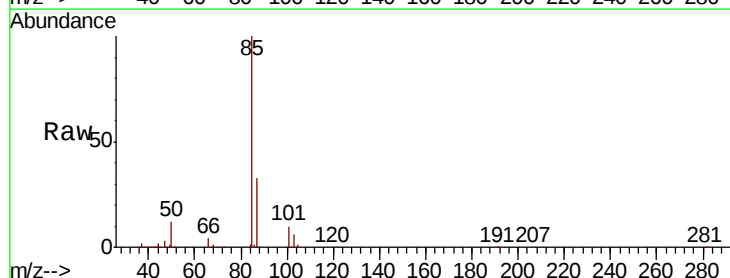
Acq: 13 Jul 2020 16:24

Tgt Ion: 85 Resp: 157233

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY003159.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003159.D (-21) (-)

1.91

120000

100000

80000

60000

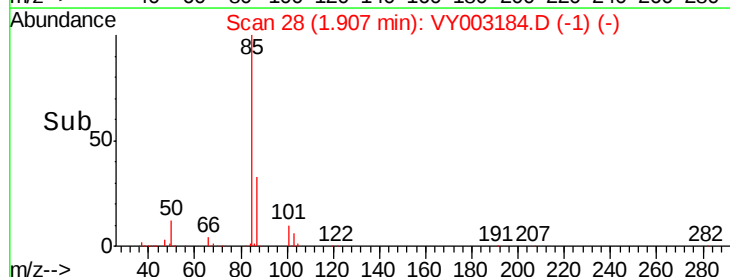
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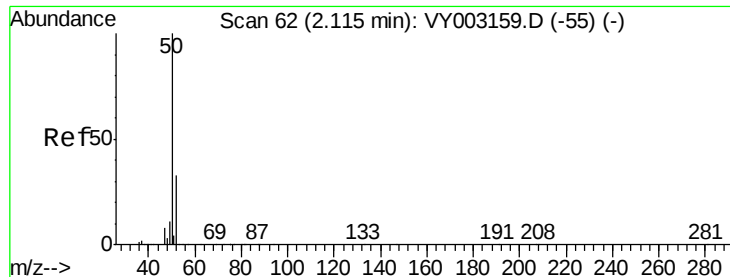
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 46.029 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

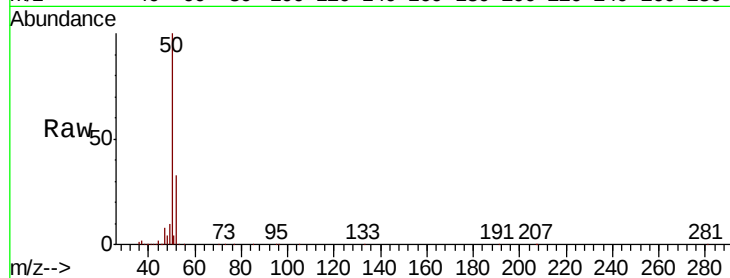
VSTDCCC050EC

Tot Ion: 50 Resp: 226044

Ion Ratio Lower Upper

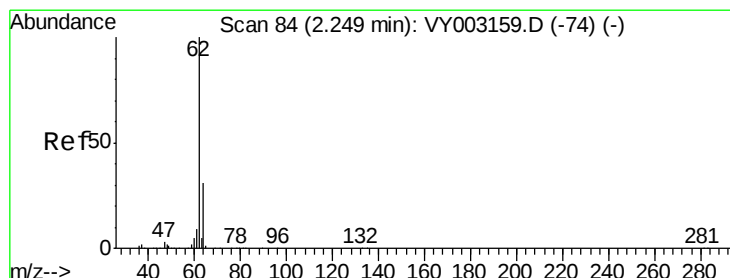
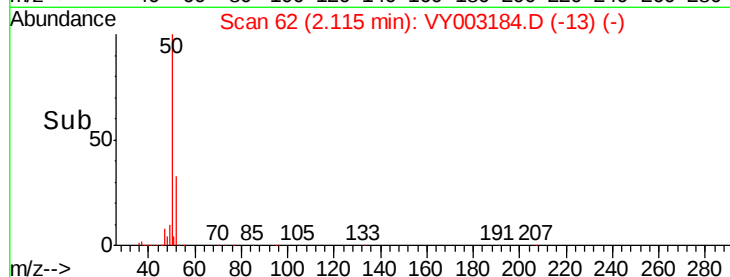
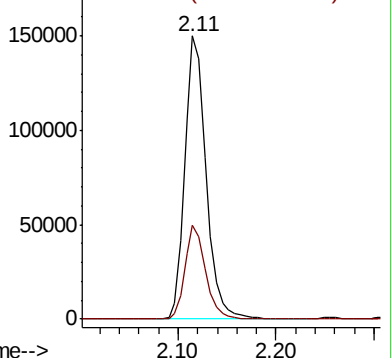
50 100

52 33.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 46.391 ug/l

RT: 2.25 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY003184.D

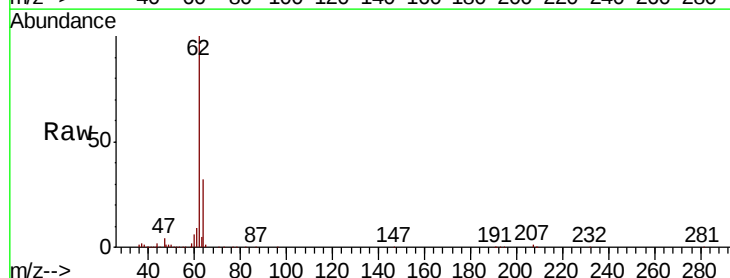
Acq: 13 Jul 2020 16:24

Tgt Ion: 62 Resp: 233753

Ion Ratio Lower Upper

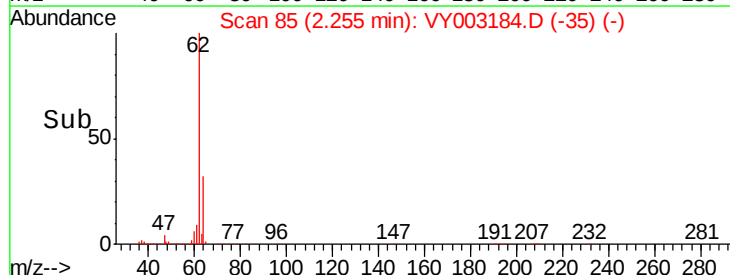
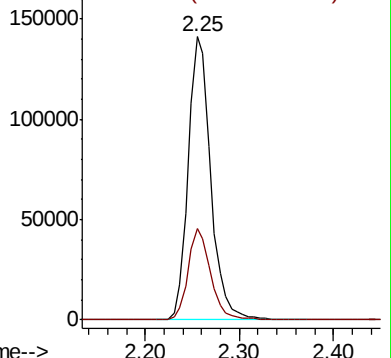
62 100

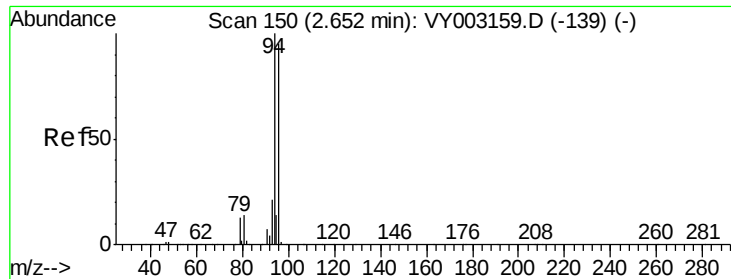
64 32.4 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 47.072 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

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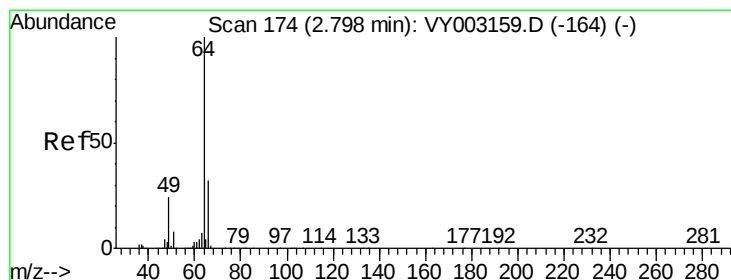
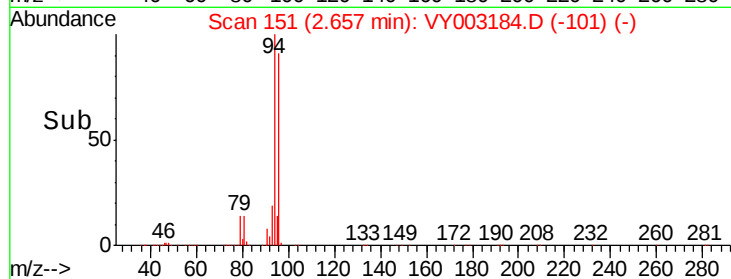
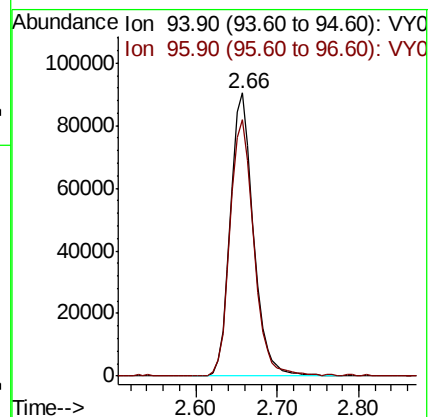
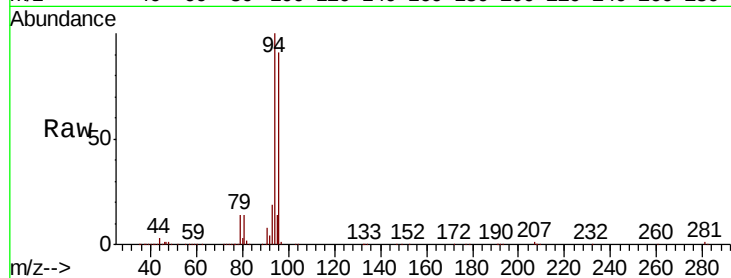
VSTDCCC050EC

Tot Ion: 94 Resp: 176172

Ion Ratio Lower Upper

94 100

96 90.3 76.0 114.0



#6

Chloroethane

Concen: 46.998 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003184.D

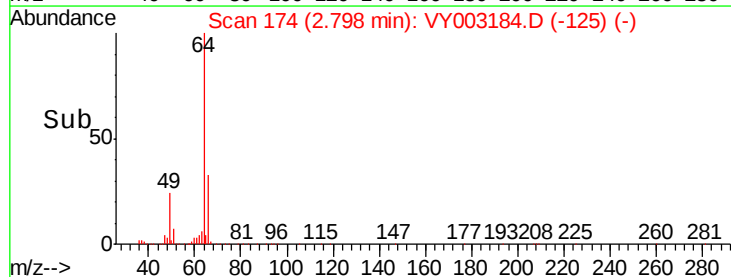
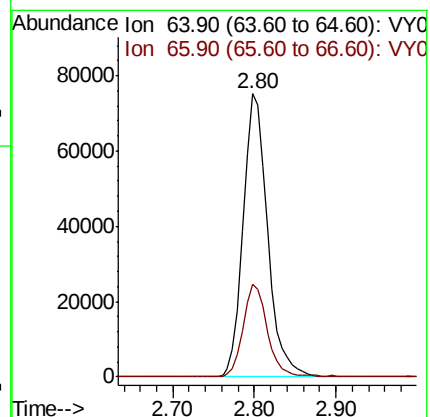
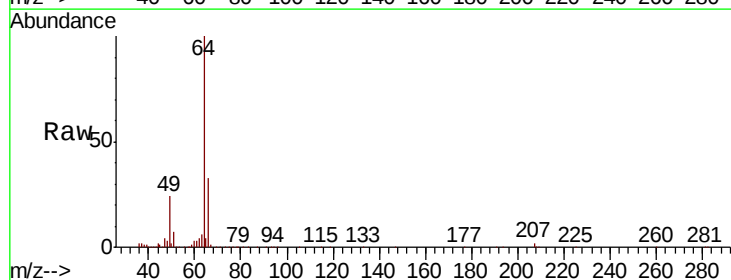
Acq: 13 Jul 2020 16:24

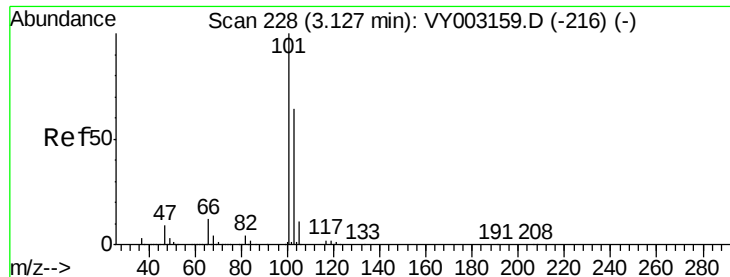
Tgt Ion: 64 Resp: 155538

Ion Ratio Lower Upper

64 100

66 32.8 26.0 39.0



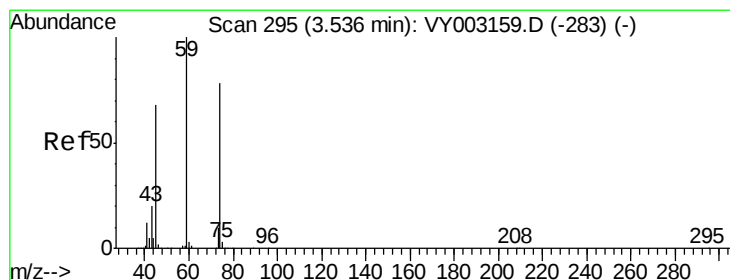
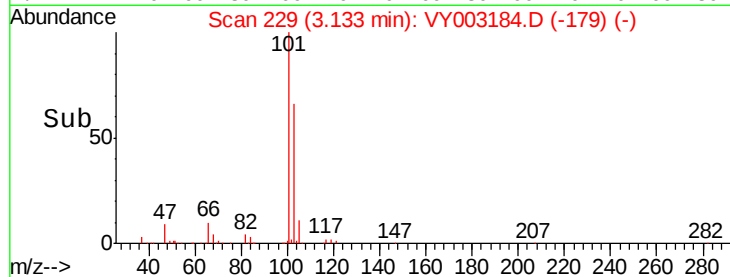
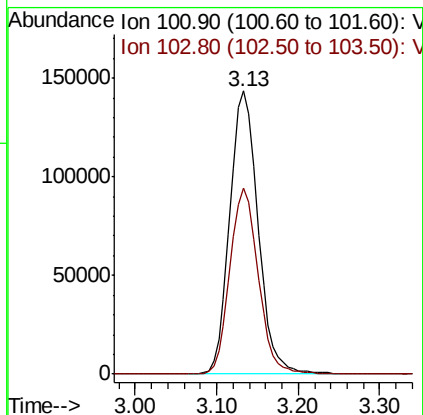
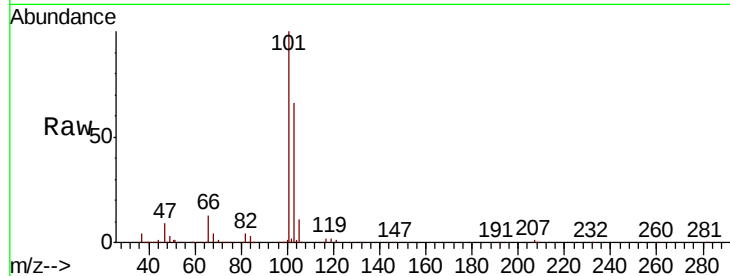


#7

Trichlorofluoromethane
 Concen: 47.771 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VY003184.D
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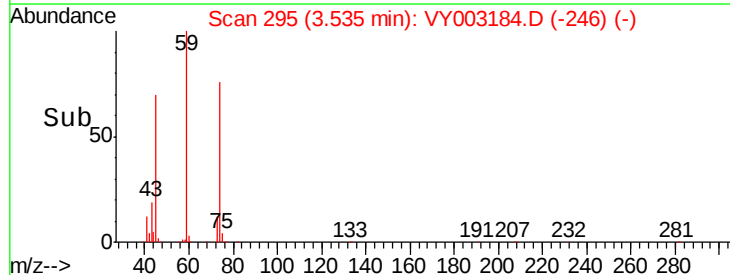
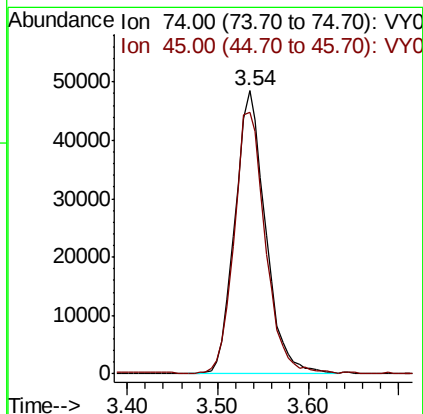
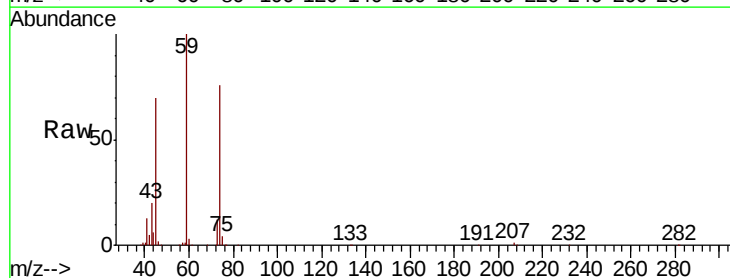
Tot Ion:101 Resp: 343752
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.3 76.9

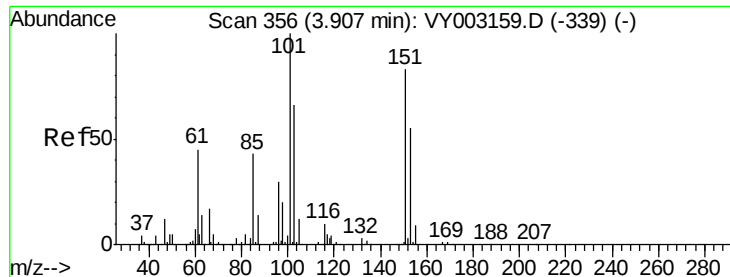


#8

Diethyl Ether
 Concen: 46.934 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

Tgt Ion: 74 Resp: 113171
 Ion Ratio Lower Upper
 74 100
 45 94.2 45.3 135.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.458 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY003184.D

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VSTDCCC050EC

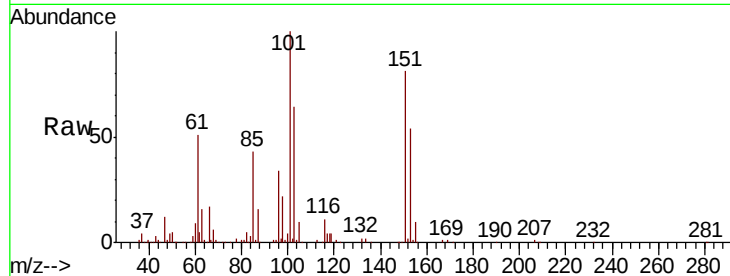
Tot Ion:101 Resp: 214939

Ion Ratio Lower Upper

101 100

85 43.4 34.9 52.3

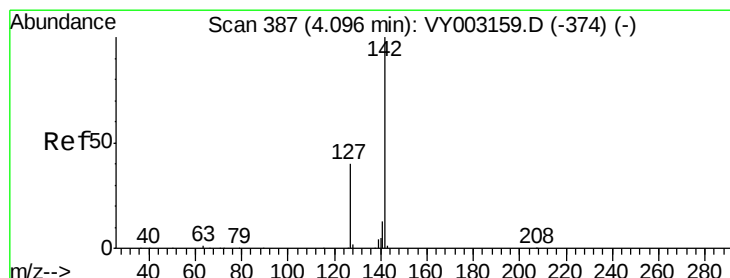
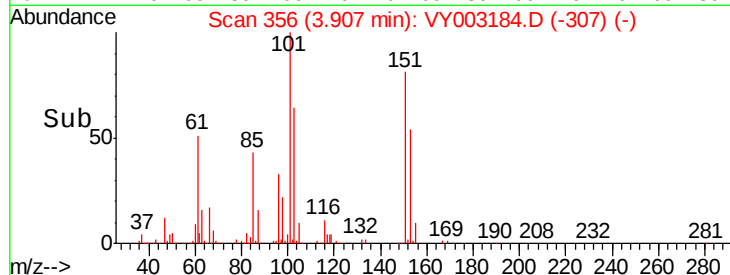
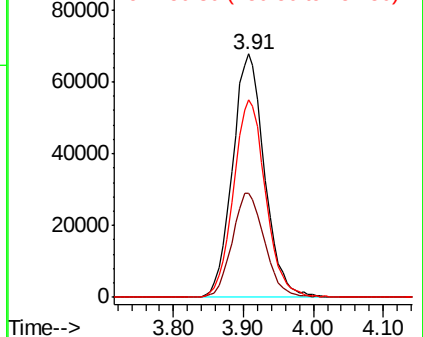
151 81.7 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.284 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

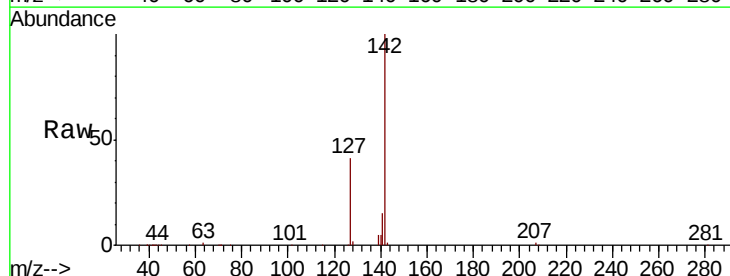
Tgt Ion:142 Resp: 227974

Ion Ratio Lower Upper

142 100

127 41.7 33.5 50.3

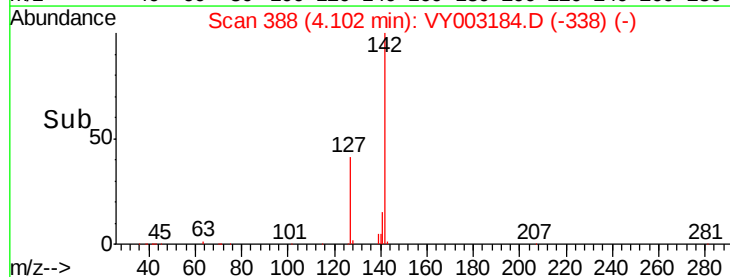
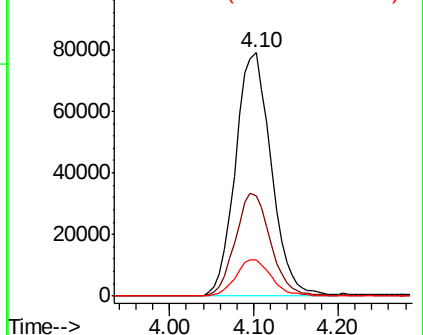
141 15.0 11.2 16.8

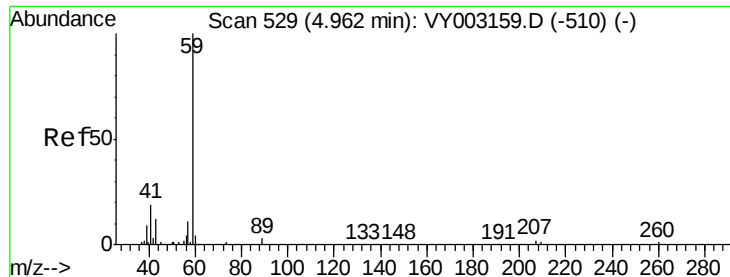


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



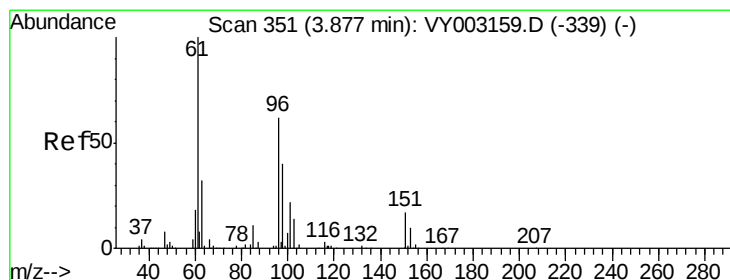
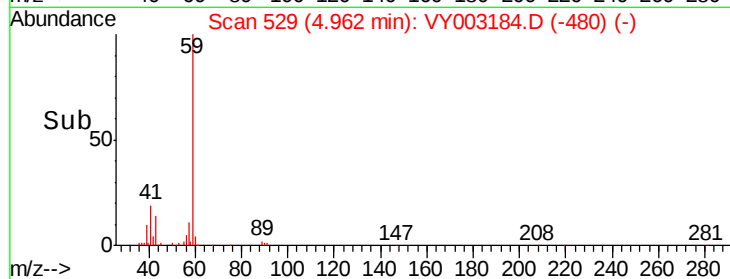
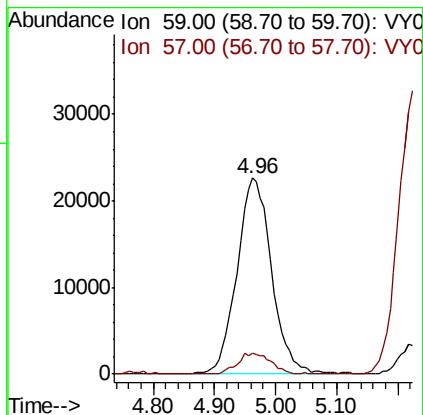
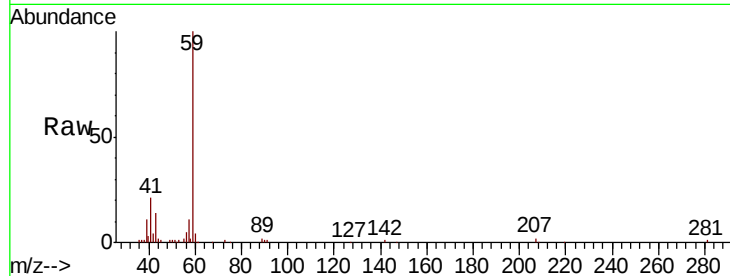


#11

Tert butyl alcohol
 Concen: 197.594 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

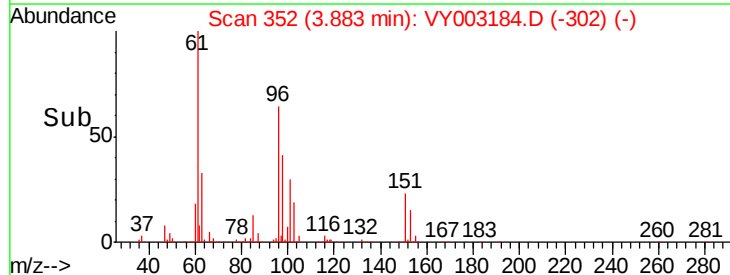
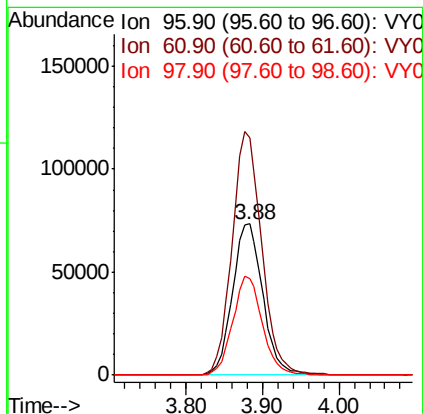
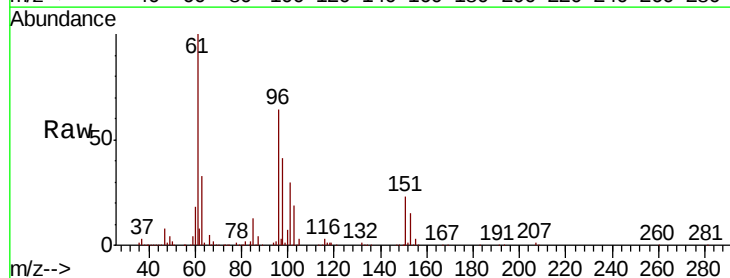
Tot Ion: 59 Resp: 89083
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

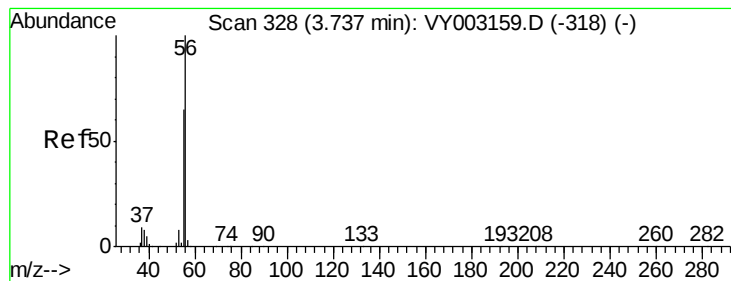


#12

1,1-Dichloroethene
 Concen: 48.977 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

Tgt Ion: 96 Resp: 201322
 Ion Ratio Lower Upper
 96 100
 61 156.4 128.6 193.0
 98 63.5 51.6 77.4





#13

Acrolein

Concen: 239.234 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

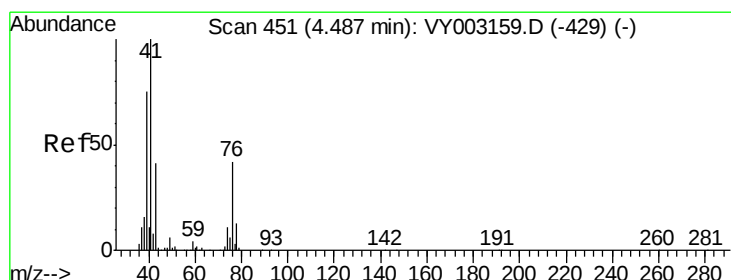
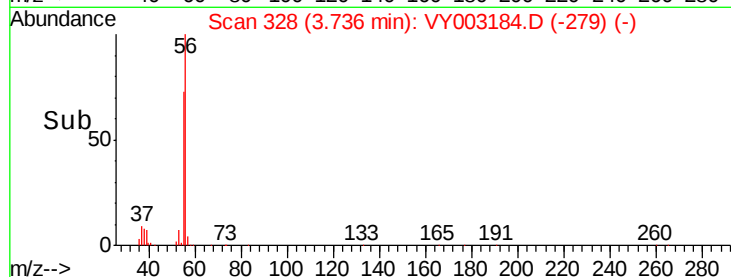
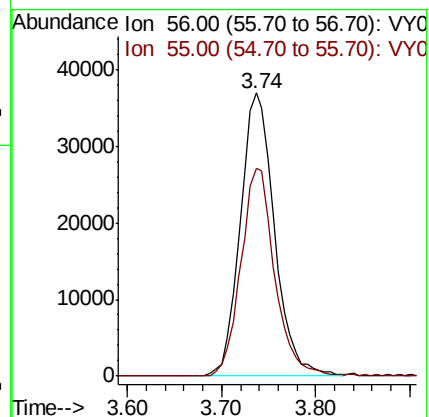
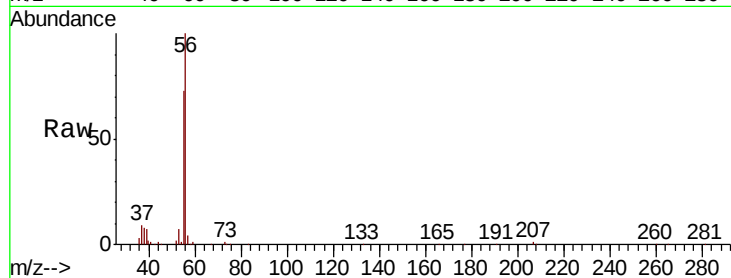
VSTDCCC050EC

Tot Ion: 56 Resp: 93616

Ion Ratio Lower Upper

56 100

55 72.7 56.0 84.0



#14

Allyl chloride

Concen: 50.266 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

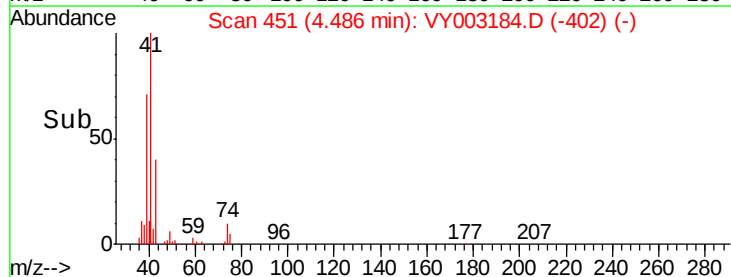
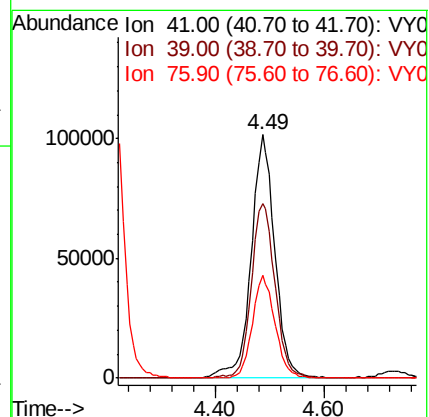
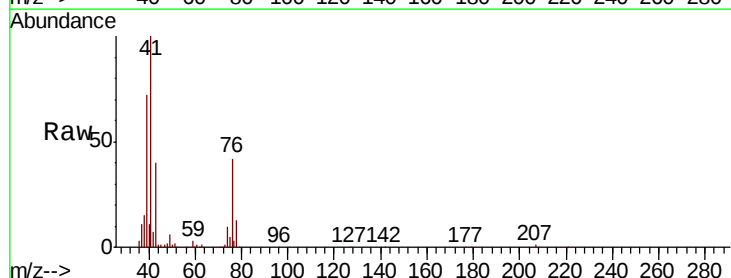
Tgt Ion: 41 Resp: 306591

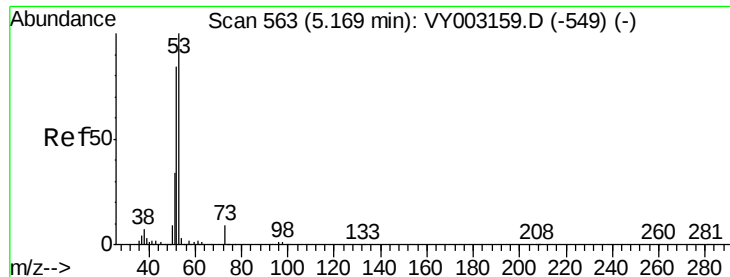
Ion Ratio Lower Upper

41 100

39 72.1 56.6 85.0

76 40.0 31.6 47.4





#15

Acrylonitrile

Concen: 228.274 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.01 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

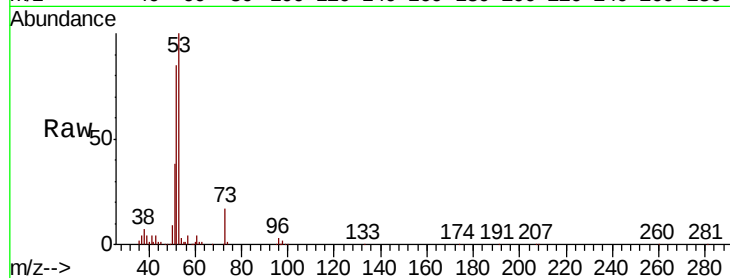
Tot Ion: 53 Resp: 264405

Ion Ratio Lower Upper

53 100

52 81.9 65.8 98.6

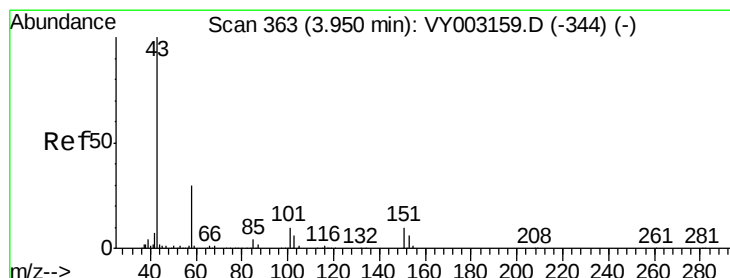
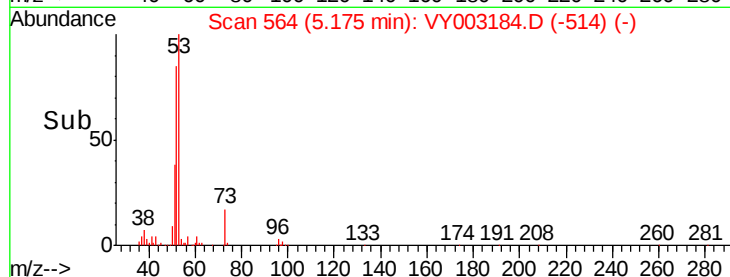
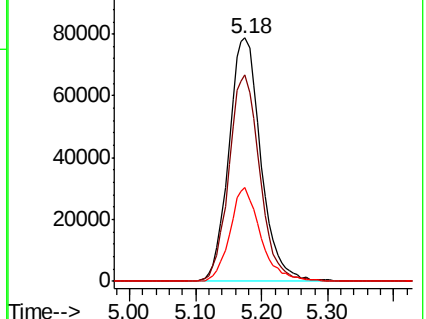
51 37.0 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 229.776 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003184.D

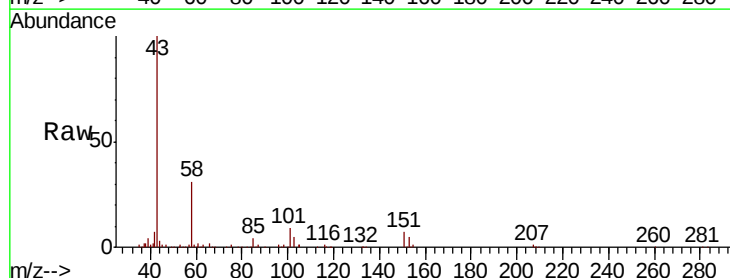
Acq: 13 Jul 2020 16:24

Tgt Ion: 43 Resp: 213992

Ion Ratio Lower Upper

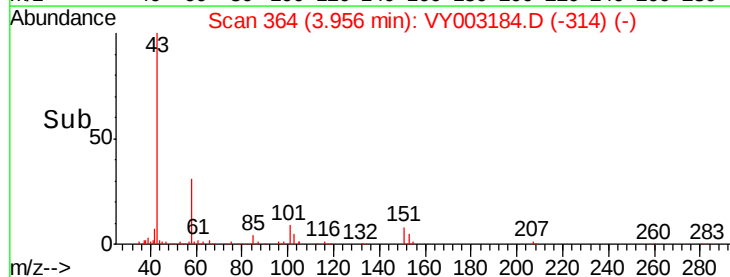
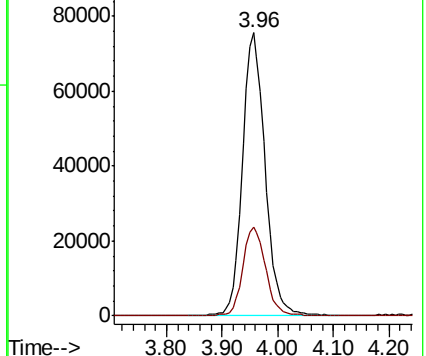
43 100

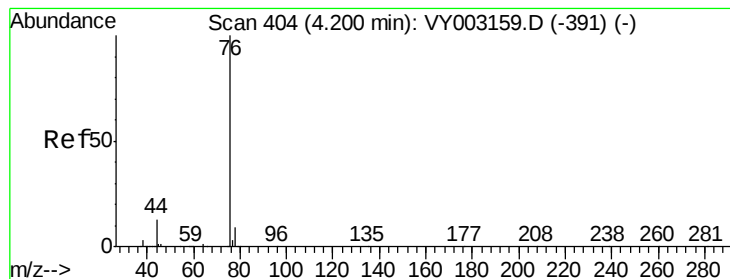
58 31.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 49.453 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

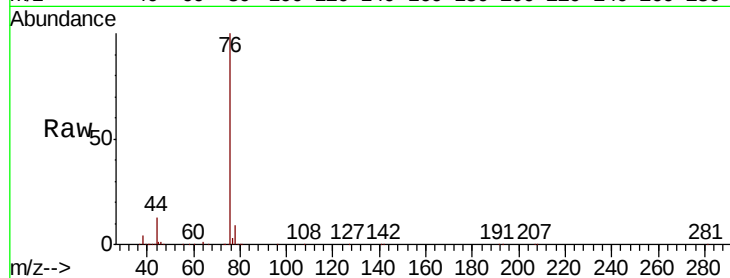
VSTDCCC050EC

Tot Ion: 76 Resp: 623778

Ion Ratio Lower Upper

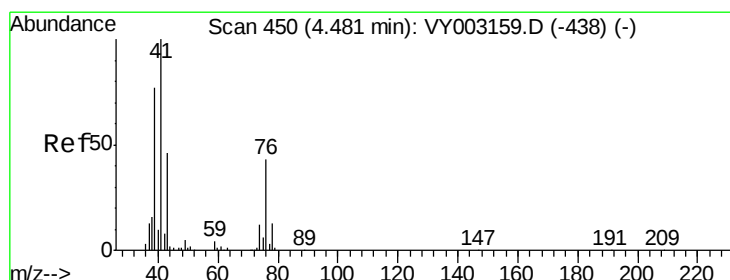
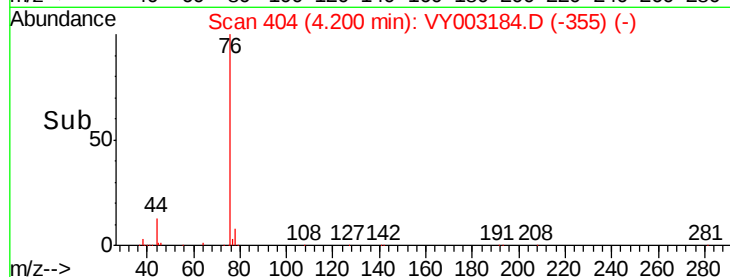
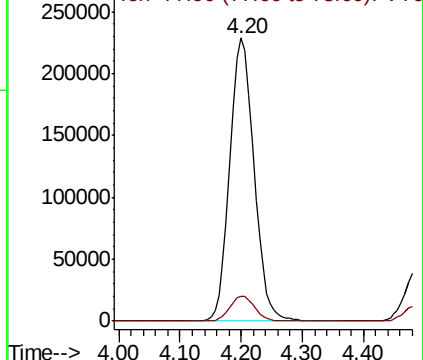
76 100

78 8.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 44.250 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY003184.D

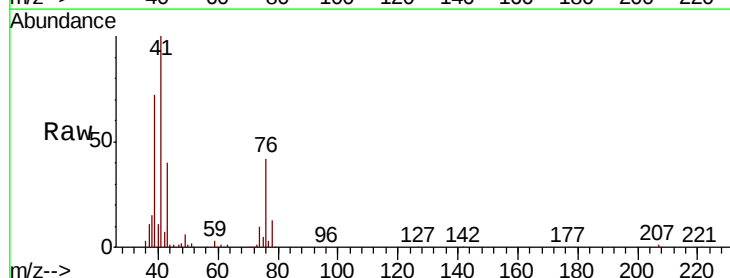
Acq: 13 Jul 2020 16:24

Tgt Ion: 43 Resp: 114447

Ion Ratio Lower Upper

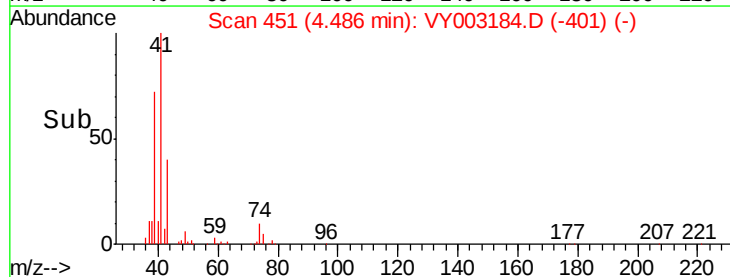
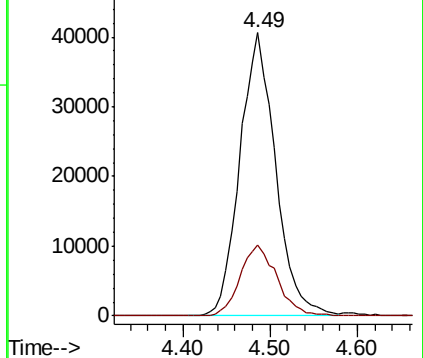
43 100

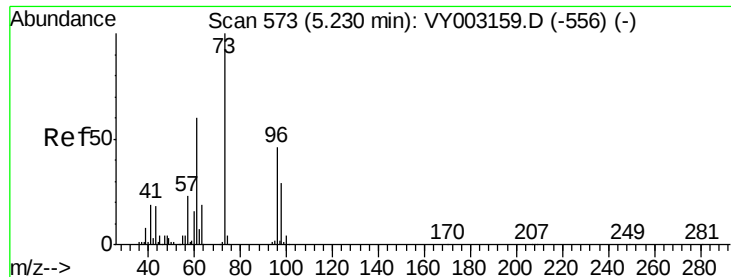
74 25.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

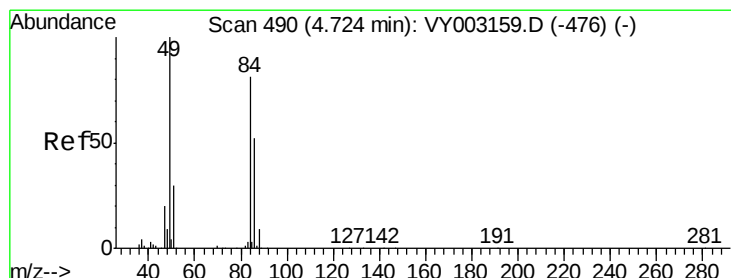
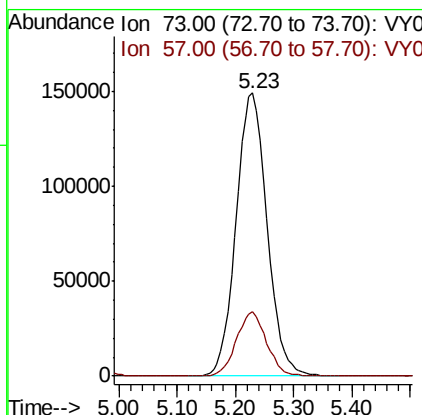
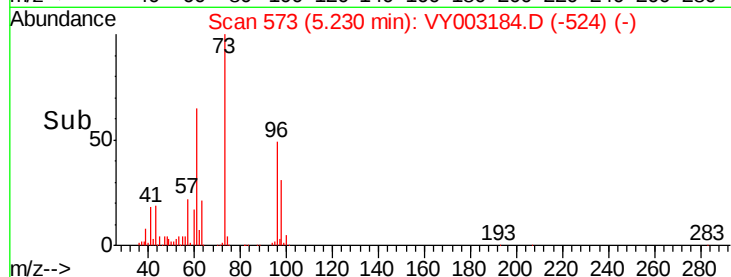
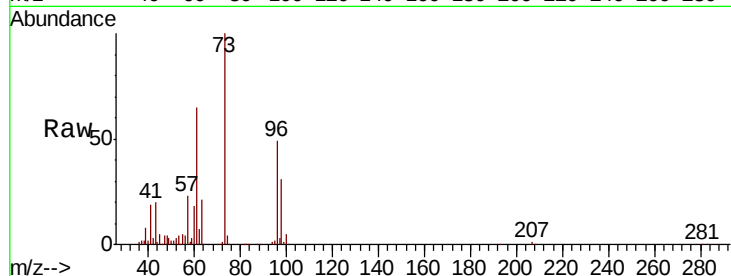




#19
Methvl tert-butvl Ether
Concen: 47.802 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

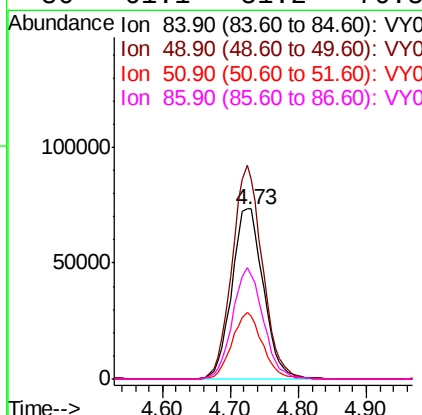
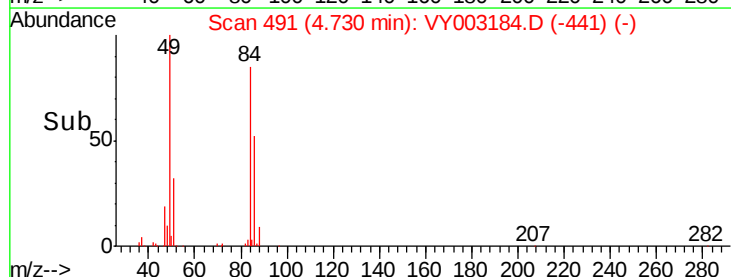
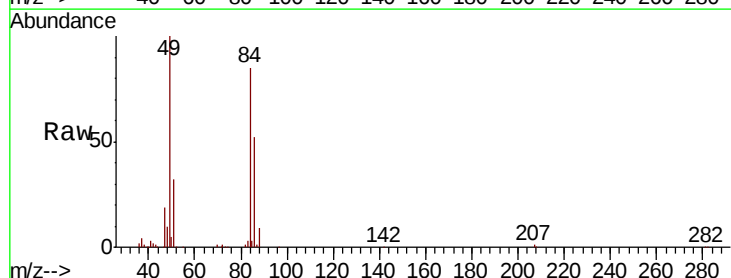
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

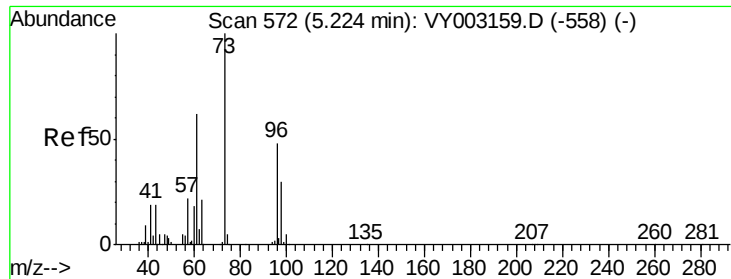
Tot Ion: 73 Resp: 550644
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1



#20
Methylene Chloride
Concen: 50.584 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

Tgt Ion: 84 Resp: 236725
Ion Ratio Lower Upper
84 100
49 117.4 98.2 147.4
51 37.2 29.8 44.6
86 61.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 48.844 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

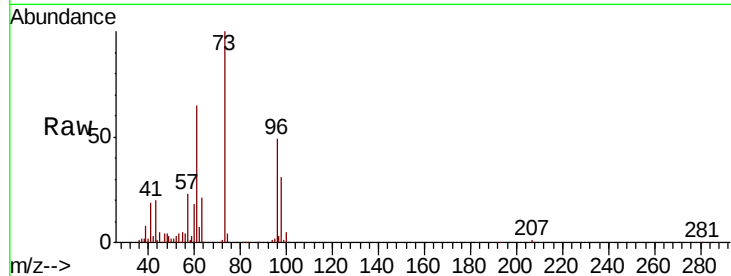
Tot Ion: 96 Resp: 227087

Ion Ratio Lower Upper

96 100

61 132.0 102.5 153.7

98 63.9 49.8 74.8

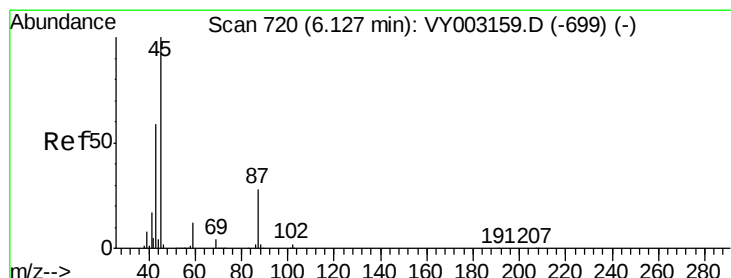
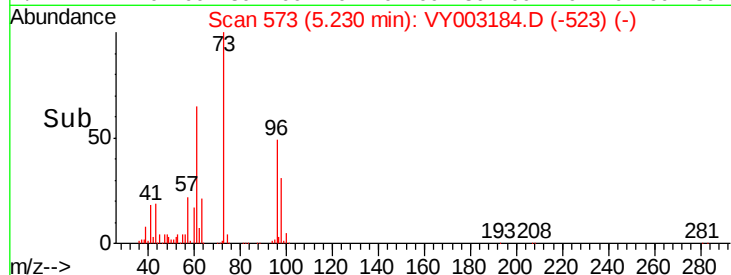
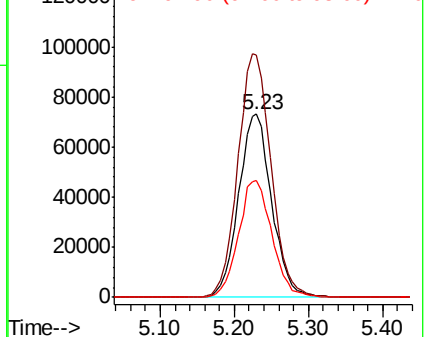


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 50.656 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Tgt Ion: 45 Resp: 685725

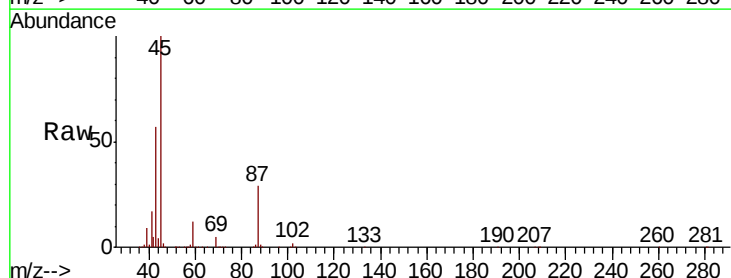
Ion Ratio Lower Upper

45 100

43 56.5 47.0 70.4

87 29.3 22.6 33.8

59 12.0 9.8 14.6



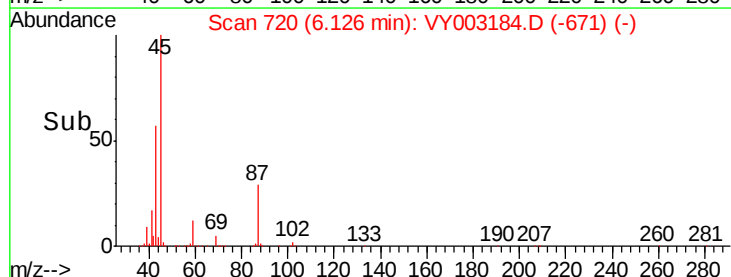
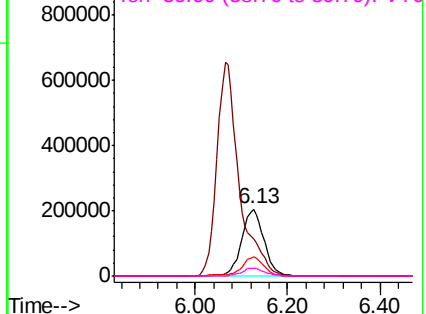
Abundance

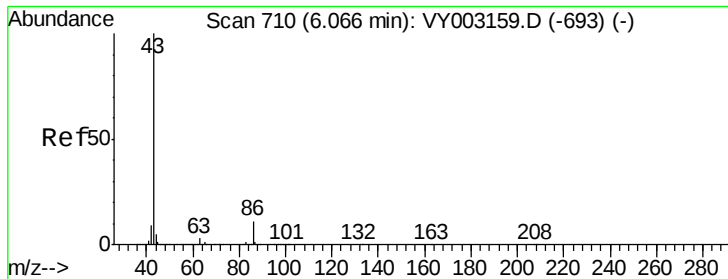
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 243.868 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

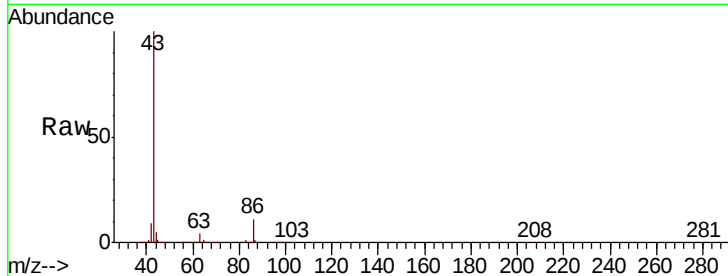
VSTDCCC050EC

Tot Ion: 43 Resp: 2200322

Ion Ratio Lower Upper

43 100

86 11.2 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

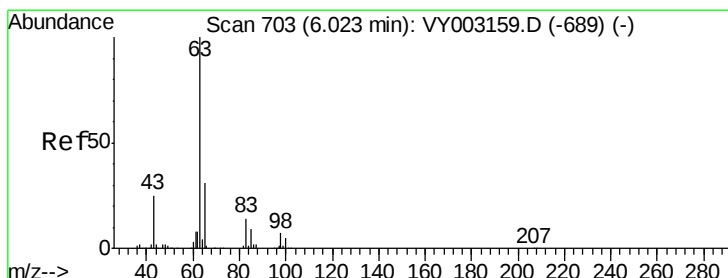
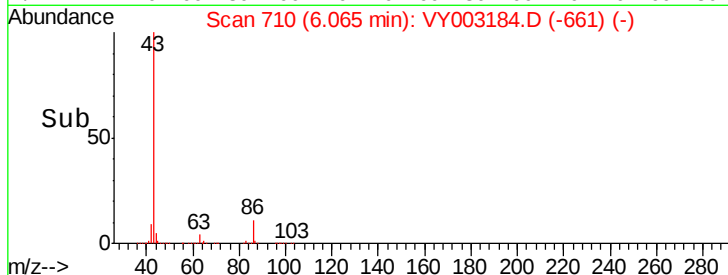
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.626 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.01 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

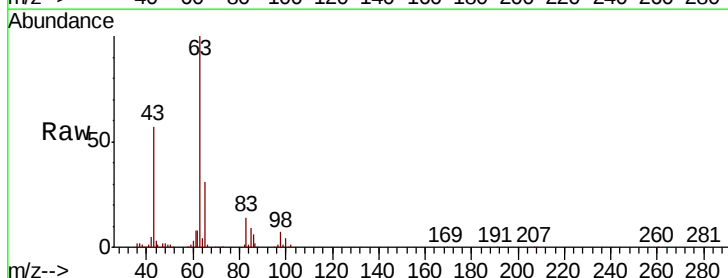
Tgt Ion: 63 Resp: 397038

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.8

100 4.3 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

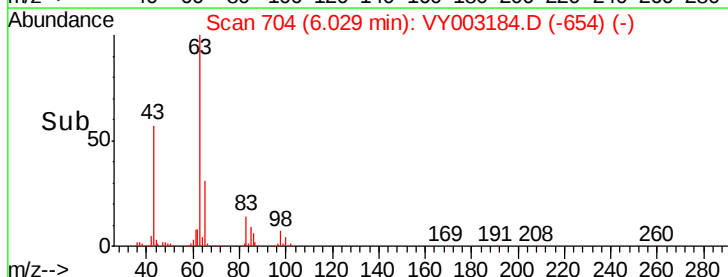
150000

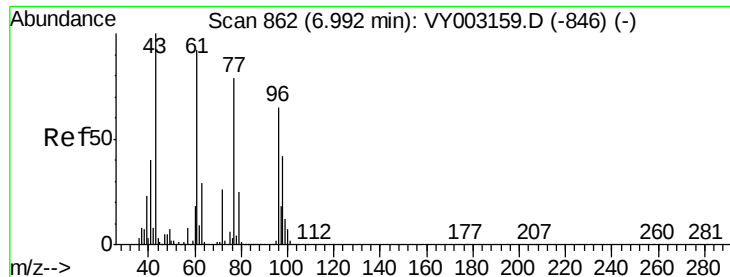
100000

50000

0

Time-->





#25

2-Butanone

Concen: 224.774 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

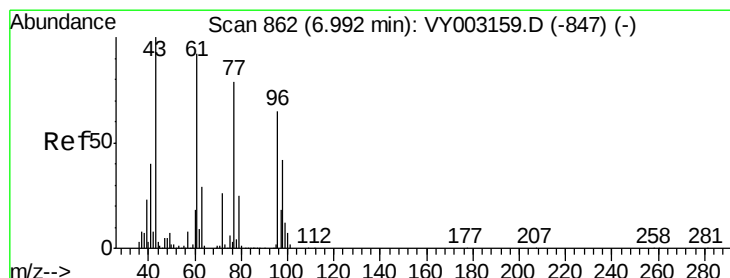
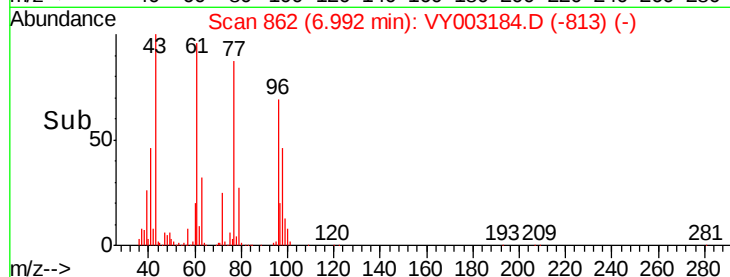
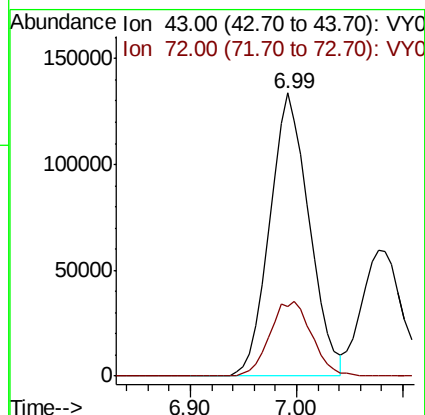
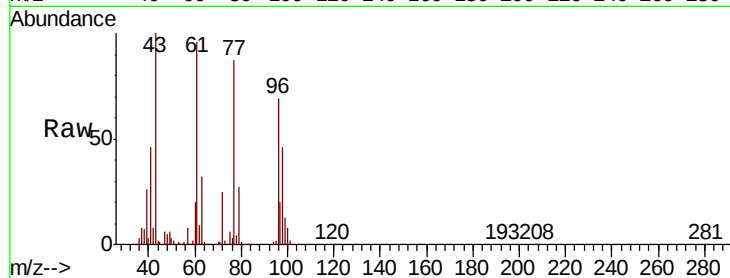
VSTDCCC050EC

Tot Ion: 43 Resp: 343707

Ion Ratio Lower Upper

43 100

72 24.6 20.9 31.3



#26

2,2-Dichloropropane

Concen: 49.847 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003184.D

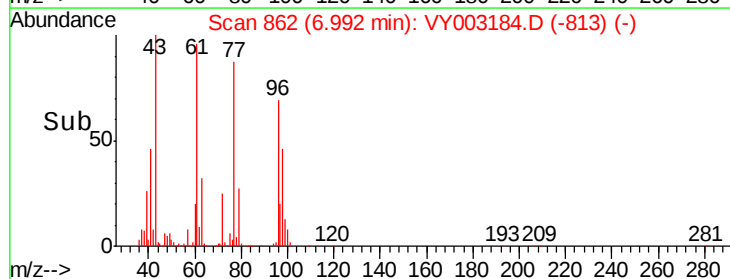
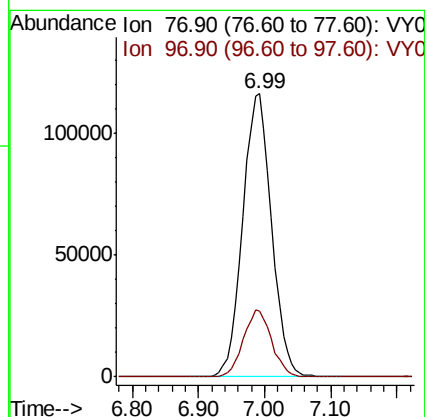
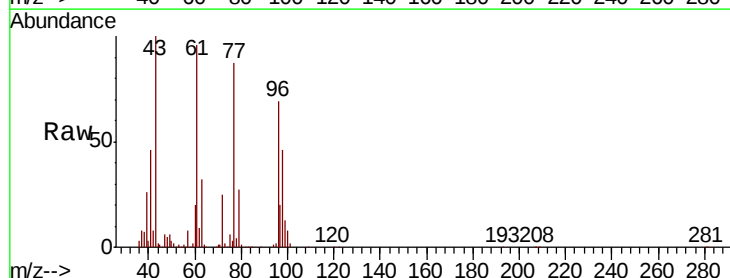
Acq: 13 Jul 2020 16:24

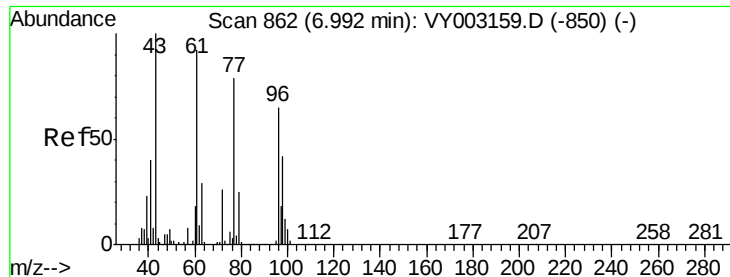
Tgt Ion: 77 Resp: 352058

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.7



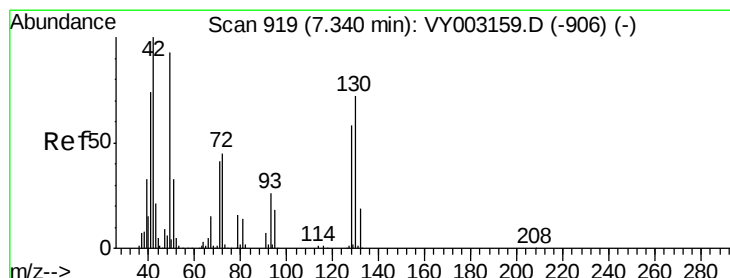
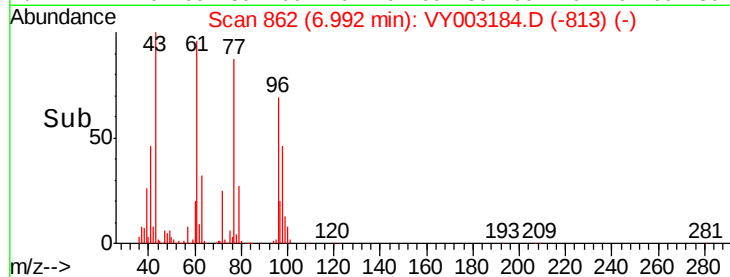
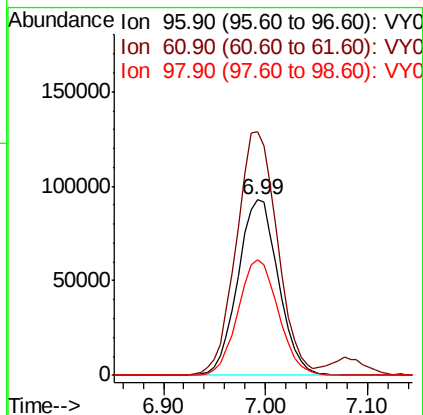
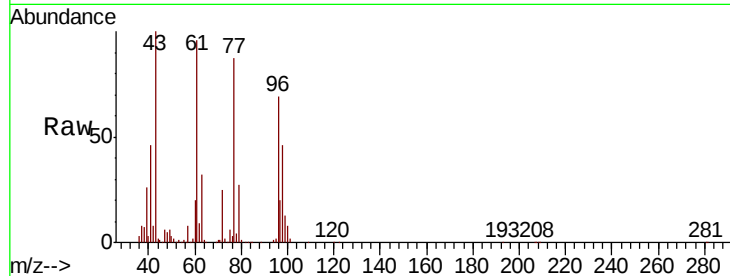


#27

cis-1,2-Dichloroethene
 Concen: 50.250 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

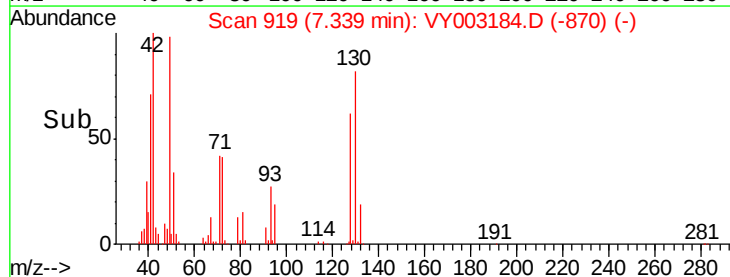
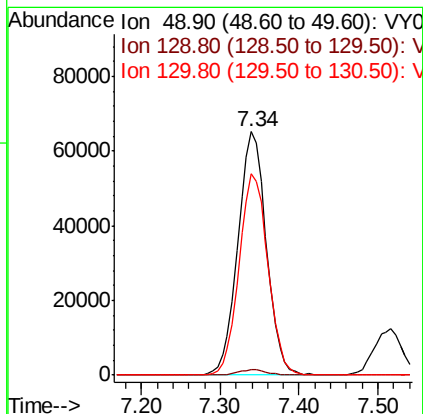
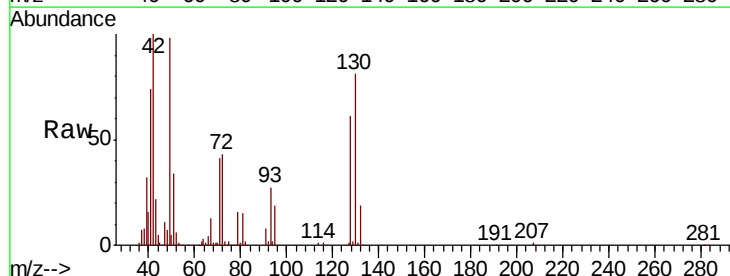
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	281.2
98	65.3	0.0	129.8

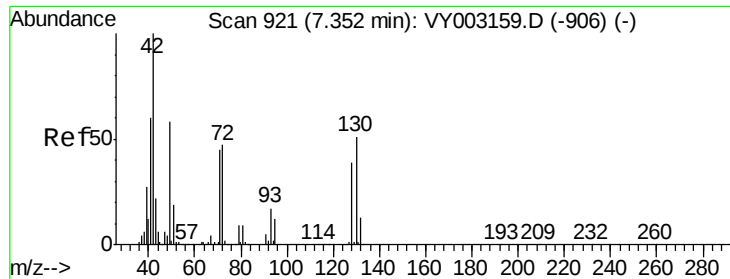


#28

Bromochloromethane
 Concen: 48.184 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	83.6	64.9	97.3

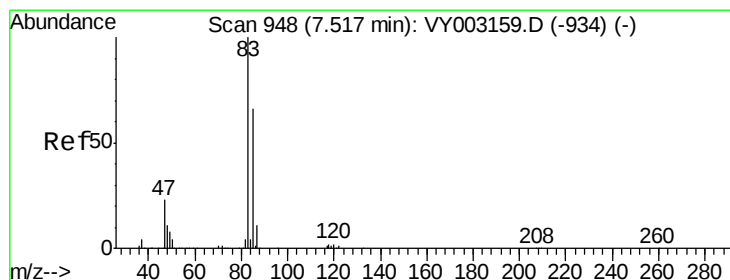
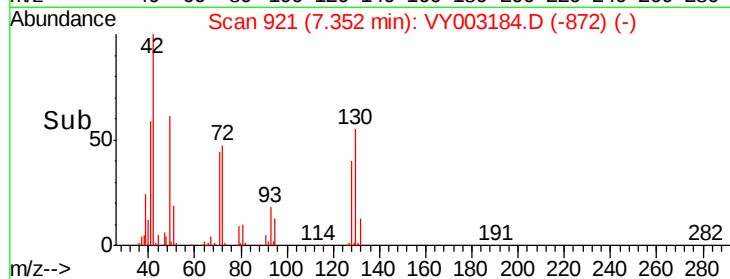
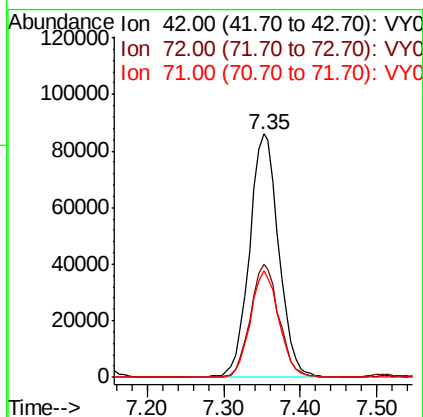
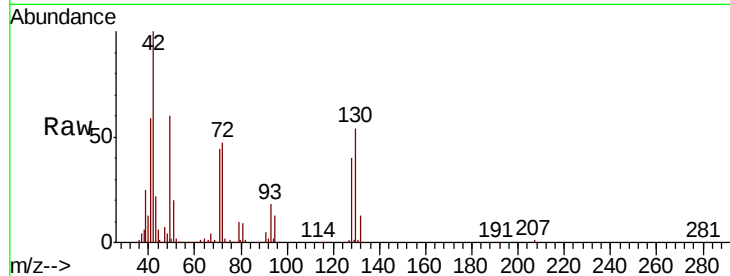




#29
Tetrahydrofuran
Concen: 223.361 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

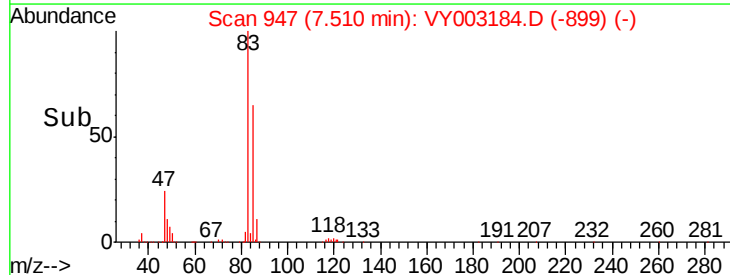
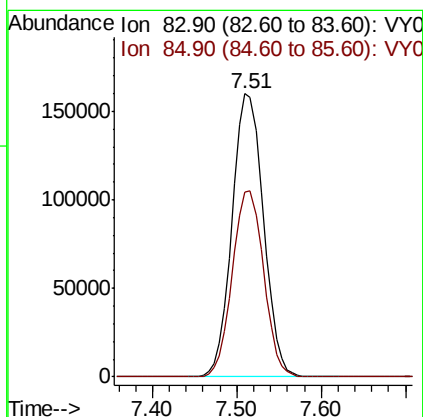
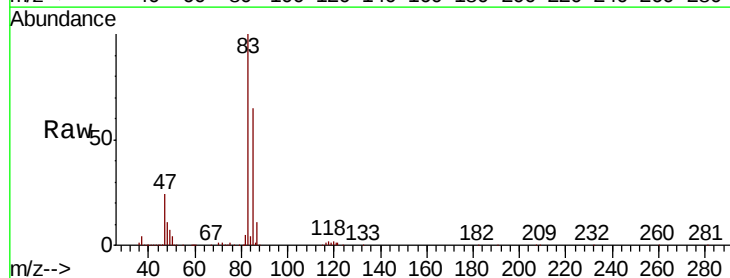
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

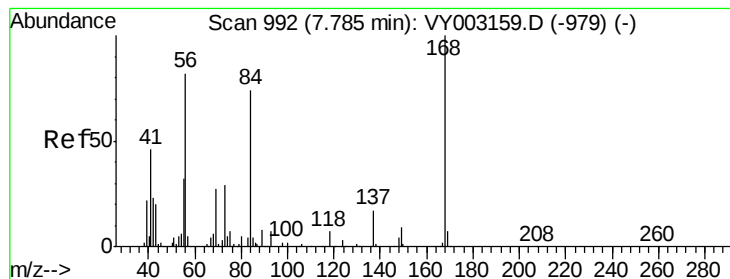
Tot Ion: 42 Resp: 229445
Ion Ratio Lower Upper
42 100
72 45.5 36.7 55.1
71 42.6 34.2 51.4



#30
Chloroform
Concen: 49.954 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

Tgt Ion: 83 Resp: 403497
Ion Ratio Lower Upper
83 100
85 65.4 52.6 78.8





#31

Cyclohexane

Concen: 47.382 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

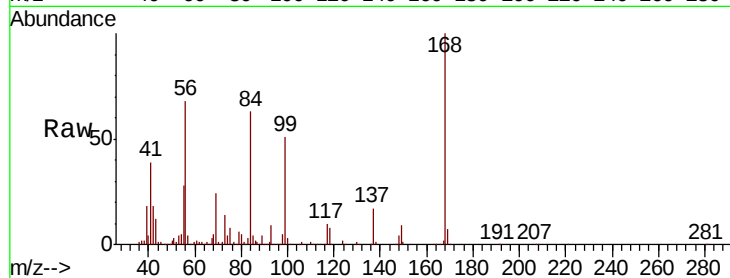
Tot Ion: 56 Resp: 359328

Ion Ratio Lower Upper

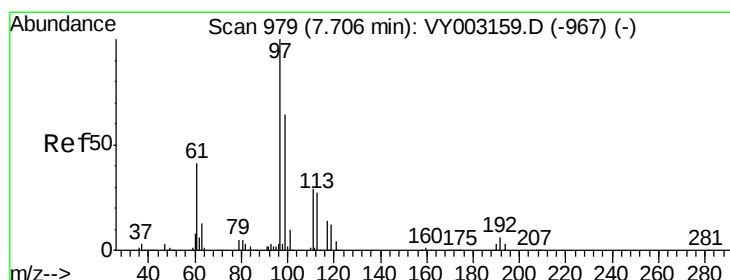
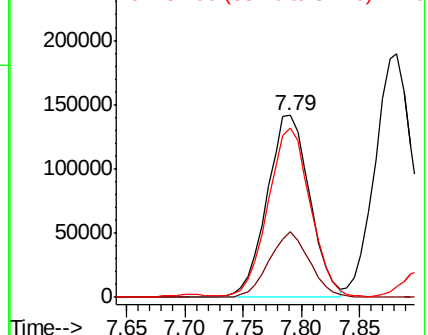
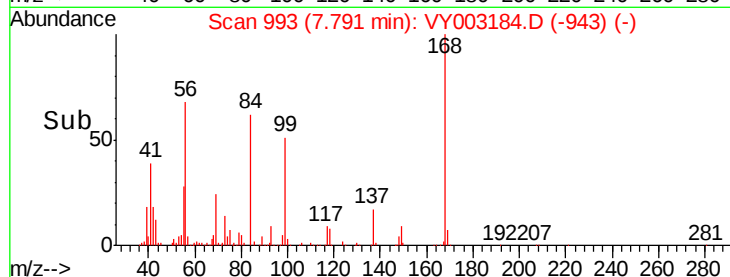
56 100

69 35.8 26.7 40.1

84 91.6 72.3 108.5



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 50.013 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

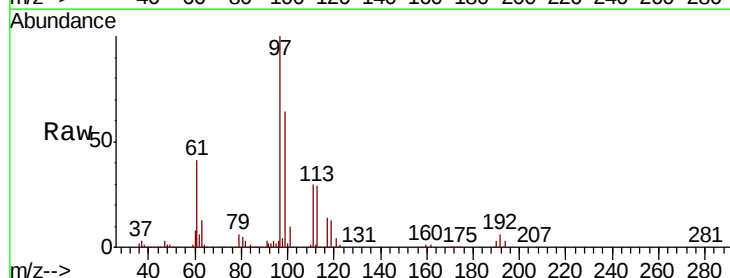
Tgt Ion: 97 Resp: 363681

Ion Ratio Lower Upper

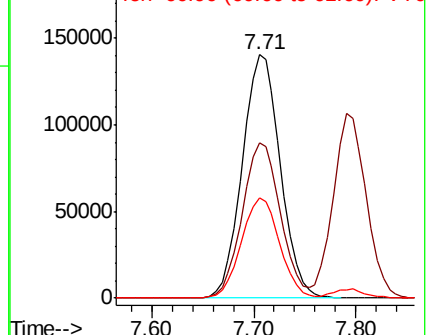
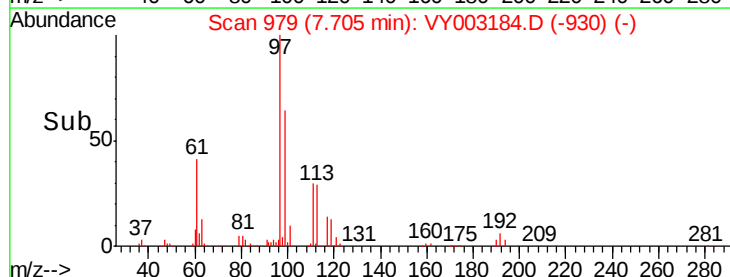
97 100

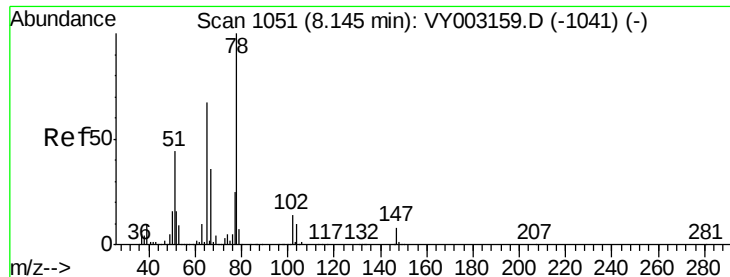
99 64.4 52.1 78.1

61 41.7 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0

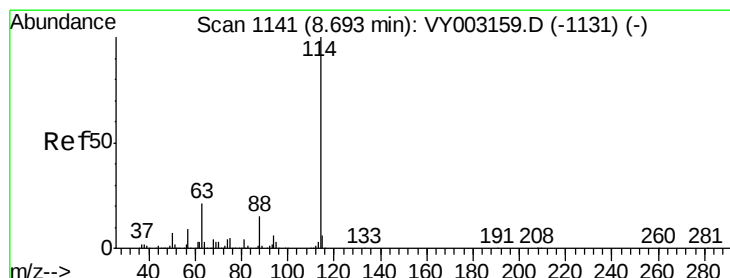
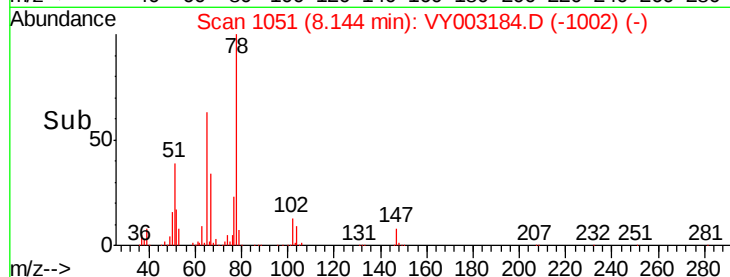
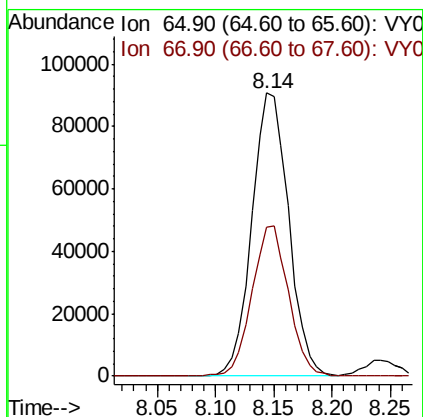
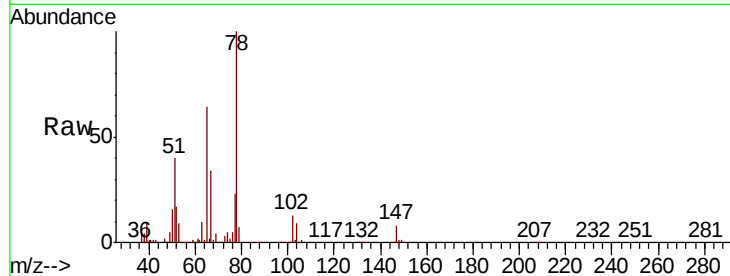




#33
 1,2-Dichloroethane-d4
 Concen: 47.924 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

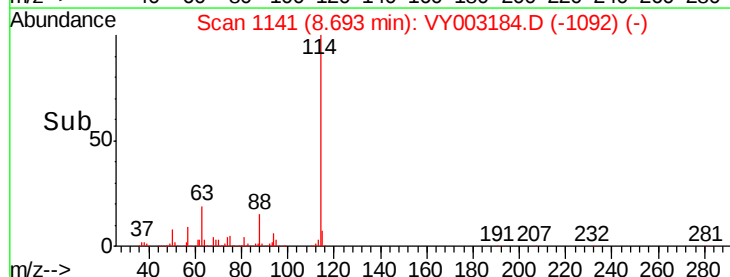
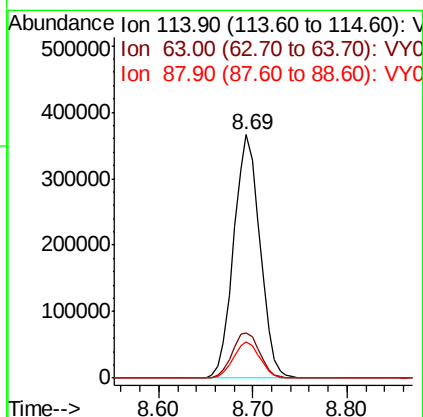
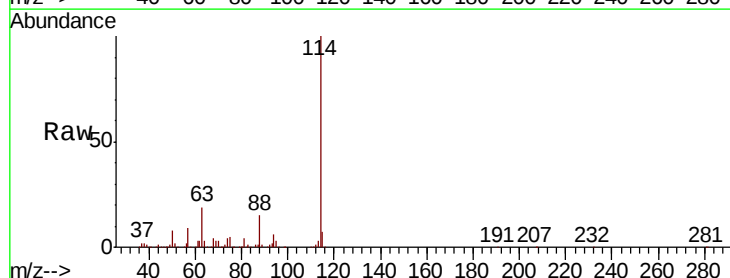
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

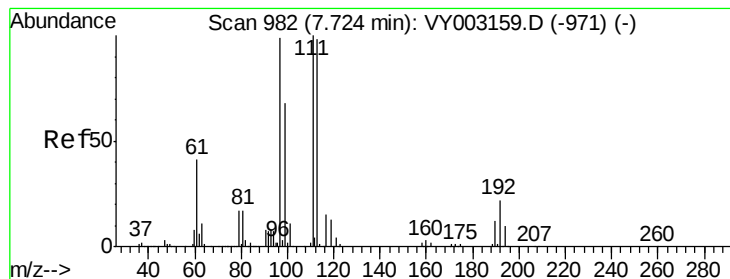
Tot Ion: 65 Resp: 199812
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

Tgt Ion: 114 Resp: 709243
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 41.2
 88 14.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.172 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

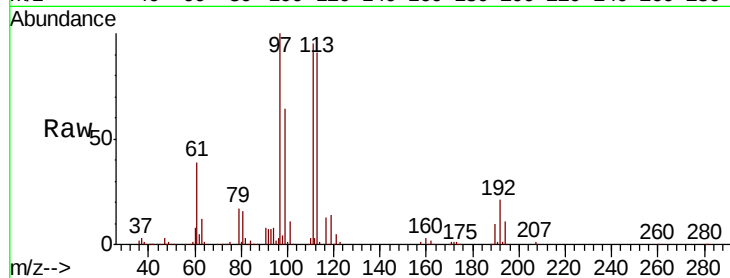
Tot Ion:113 Resp: 200695

Ion Ratio Lower Upper

113 100

111 103.4 82.1 123.1

192 22.9 18.8 28.2

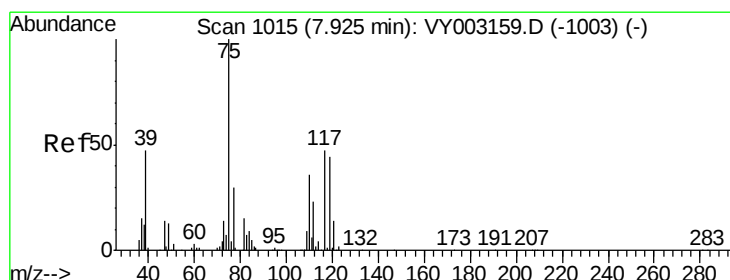
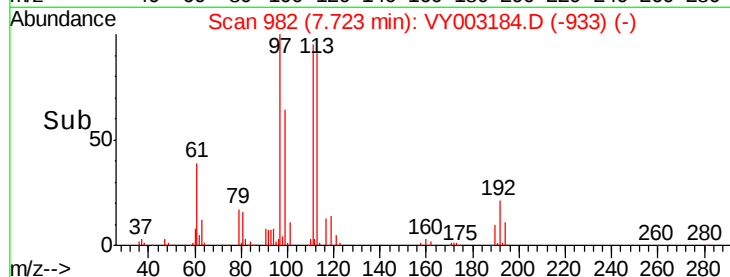
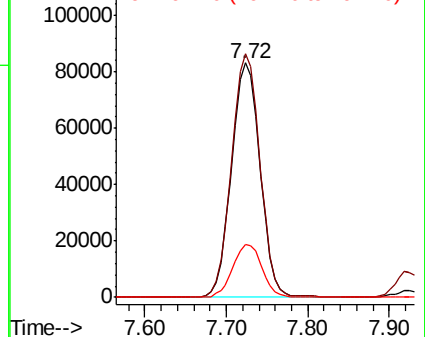


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.114 ug/l

RT: 7.92 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

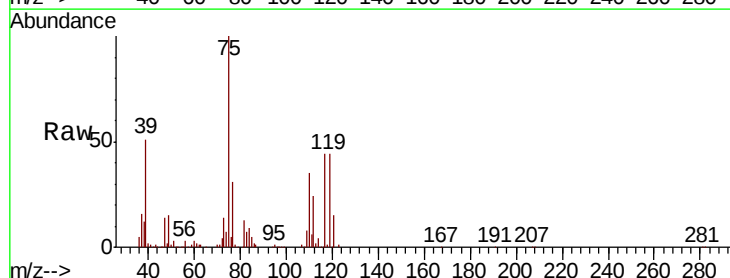
Tgt Ion: 75 Resp: 322136

Ion Ratio Lower Upper

75 100

110 35.3 18.1 54.1

77 30.7 24.8 37.2

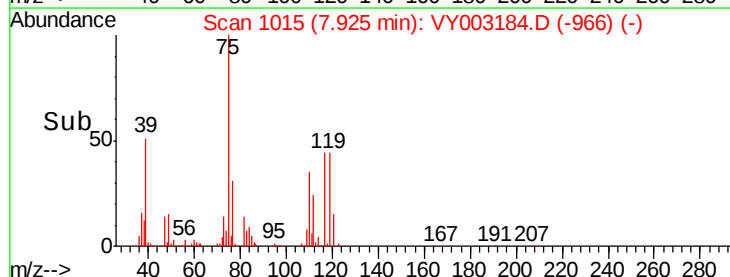
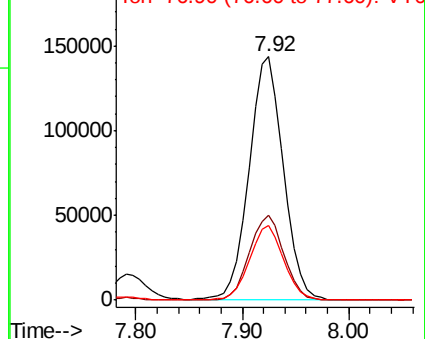


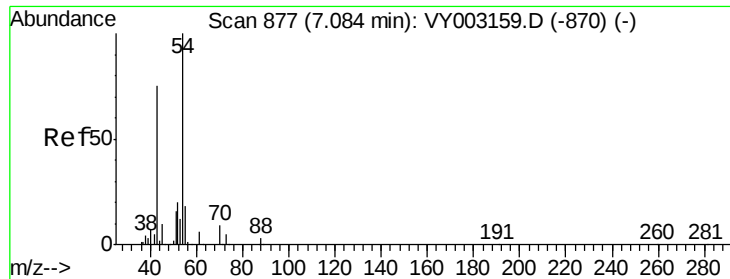
Abundance

Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

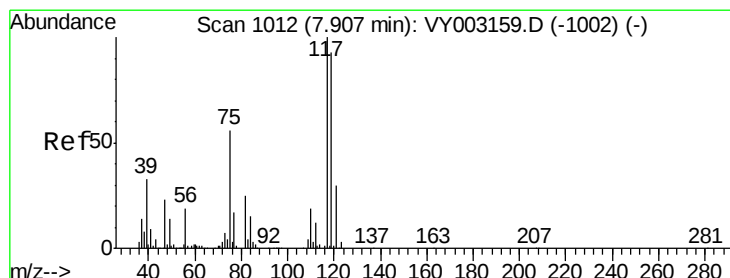
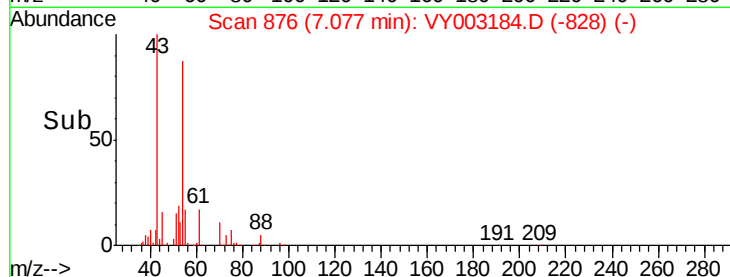
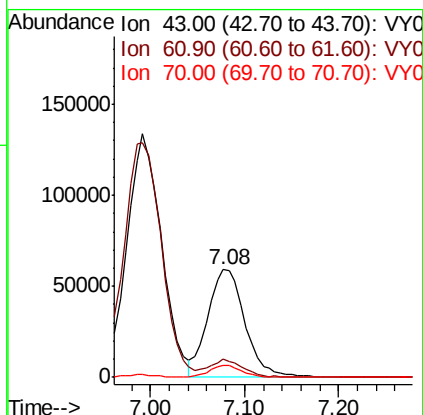
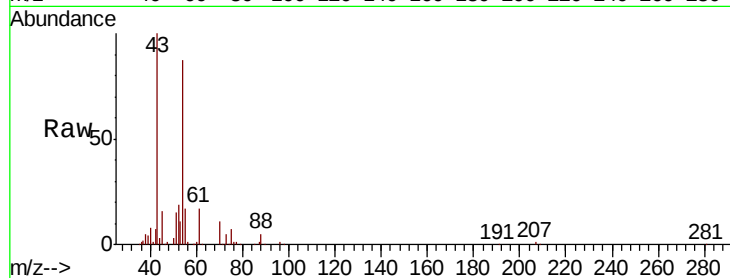




#37
Ethyl Acetate
Concen: 46.839 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

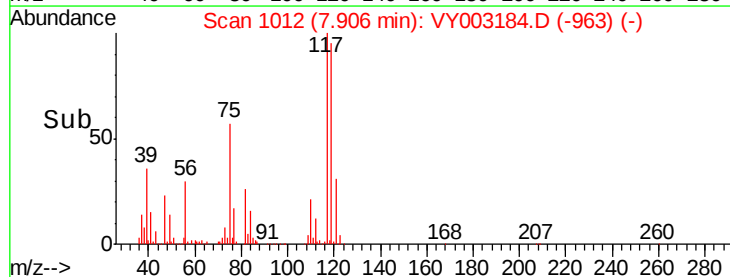
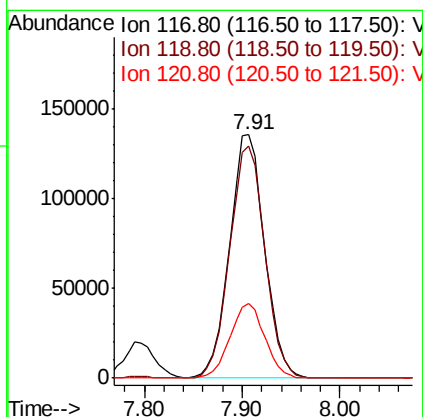
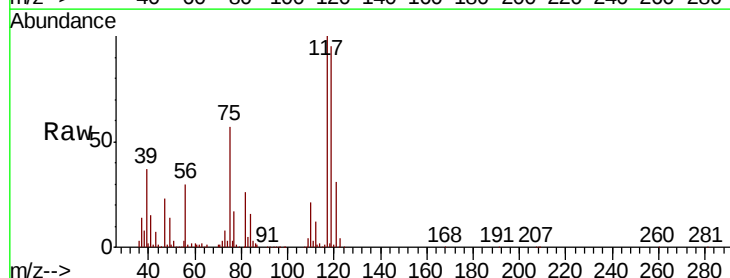
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

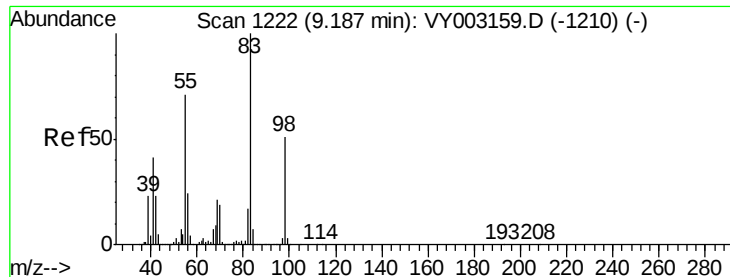
Tot Ion: 43 Resp: 162142
Ion Ratio Lower Upper
43 100
61 13.4 11.8 17.6
70 10.2 8.6 13.0



#38
Carbon Tetrachloride
Concen: 50.527 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

Tgt Ion: 117 Resp: 335302
Ion Ratio Lower Upper
117 100
119 95.3 74.5 111.7
121 30.7 24.2 36.2

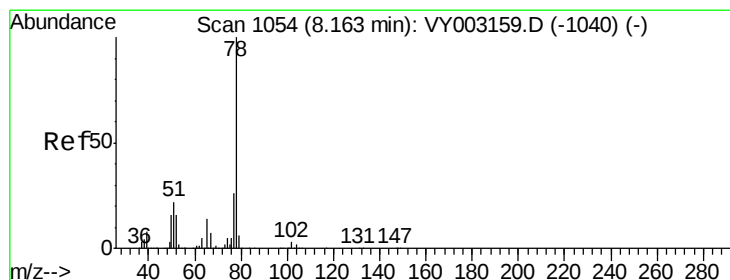
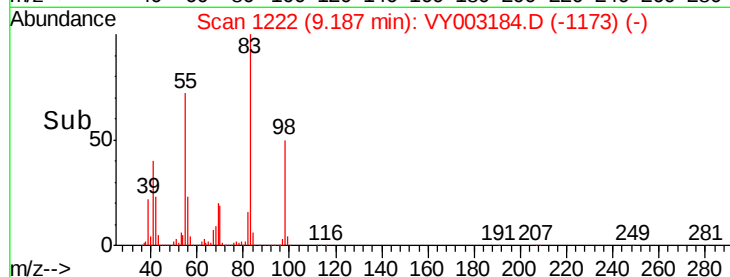
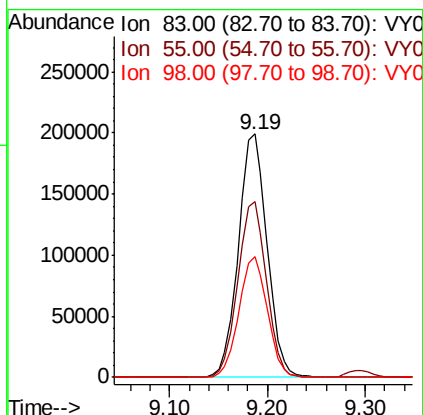
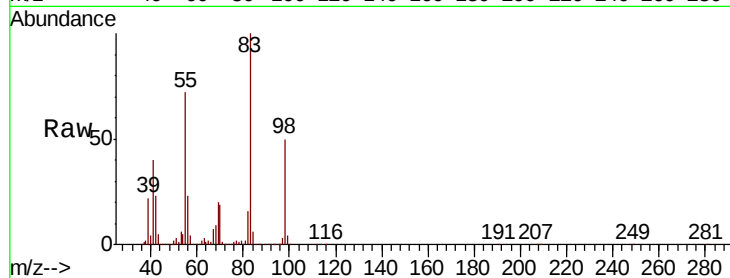




#39
Methvlcvclohexane
Concen: 50.108 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

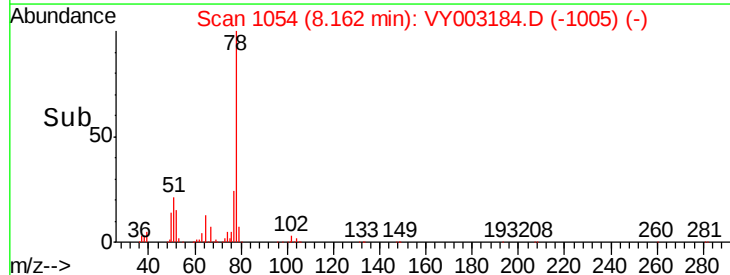
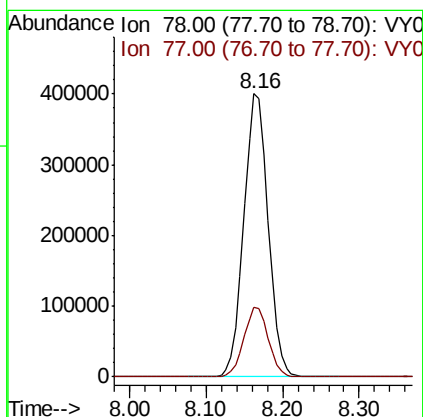
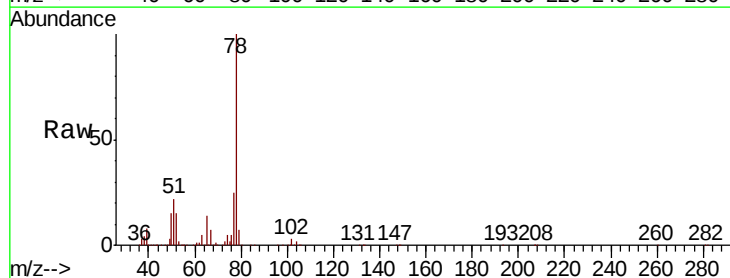
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

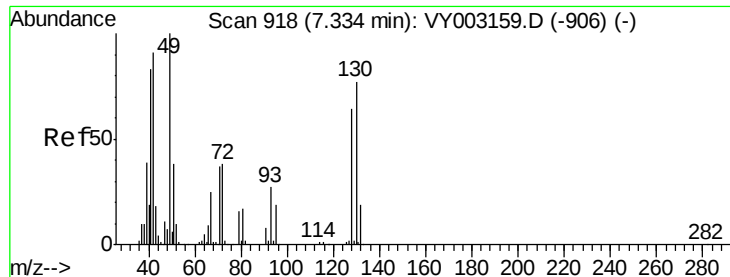
Tot Ion: 83 Resp: 404629
Ion Ratio Lower Upper
83 100
55 72.2 57.2 85.8
98 49.7 41.0 61.6



#40
Benzene
Concen: 50.069 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

Tgt Ion: 78 Resp: 886198
Ion Ratio Lower Upper
78 100
77 24.5 20.7 31.1

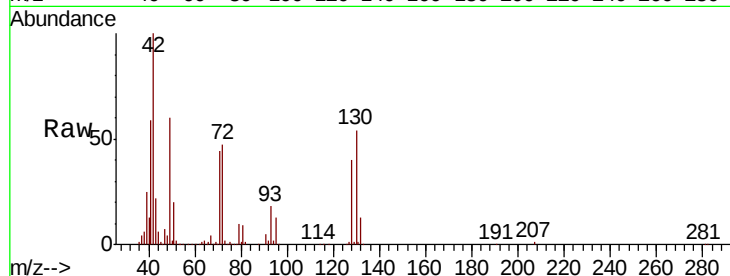




#41
Methacrylonitrile
Concen: 103.936 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.02 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.2	83.3	124.9#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



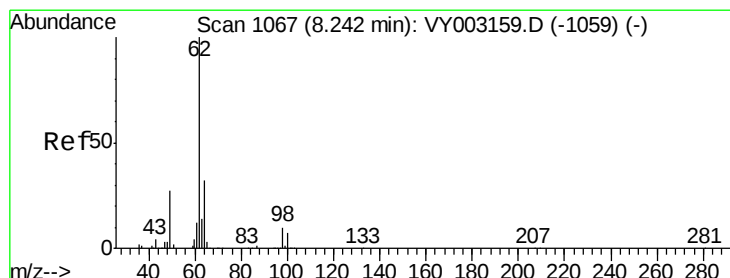
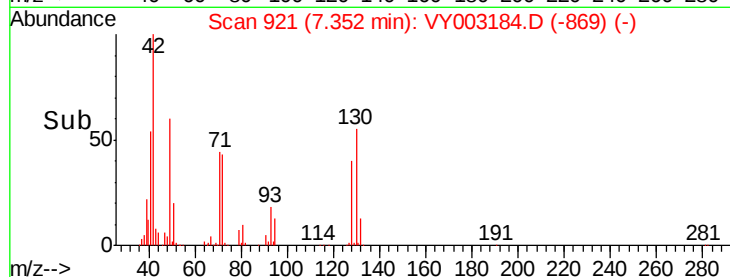
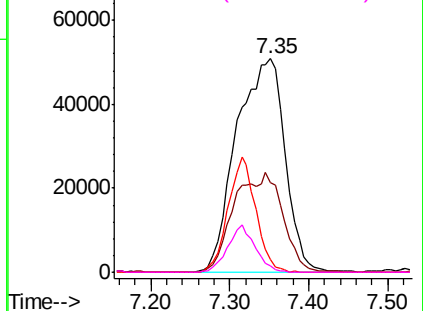
Abundance

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

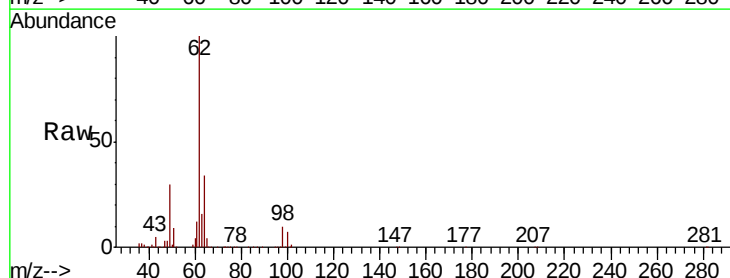
Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42
1,2-Dichloroethane
Concen: 48.532 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

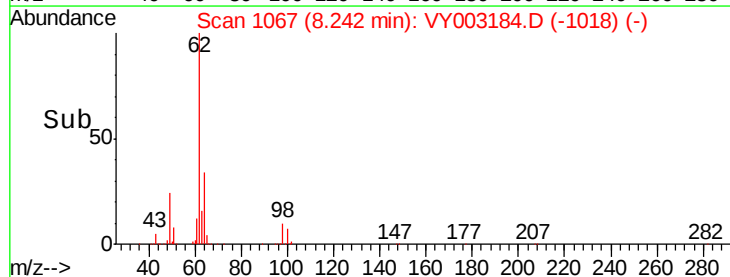
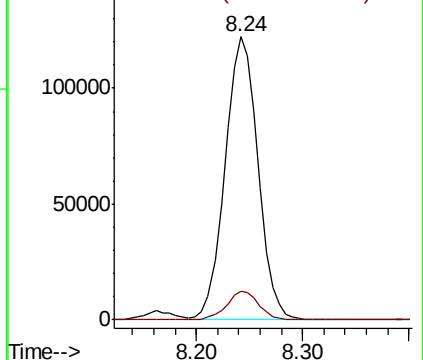
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0

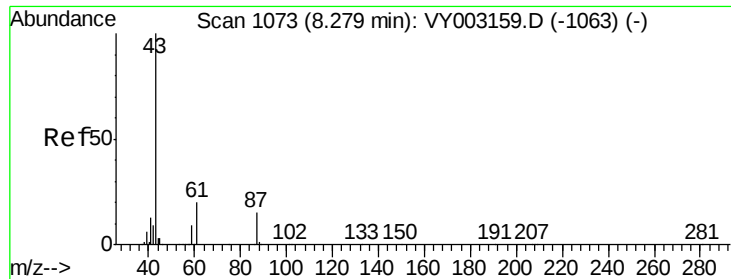


Abundance

Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 46.537 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

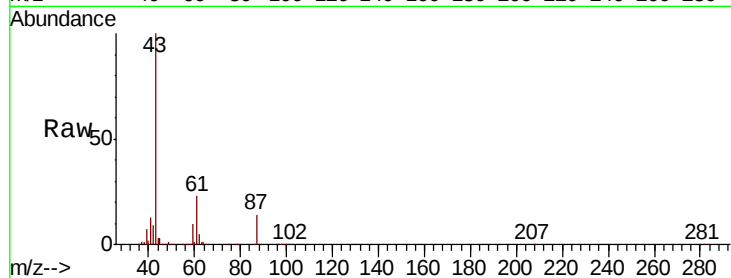
Tot Ion: 43 Resp: 311827

Ion Ratio Lower Upper

43 100

61 30.5 23.7 35.5

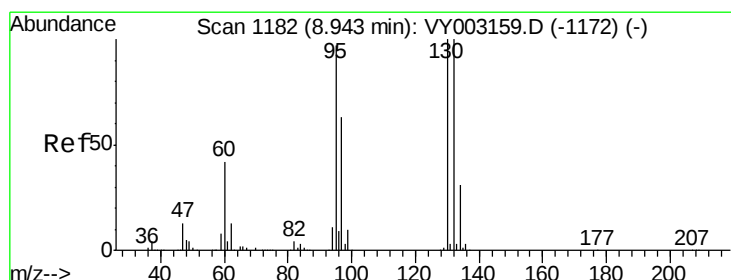
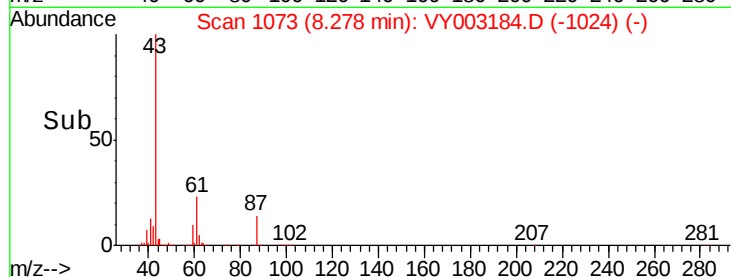
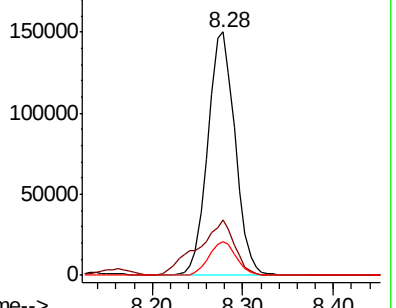
87 13.9 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VY003184.D (-1024) (-)

Ion 61.00 (60.70 to 61.70): VY003184.D (-1024) (-)

Ion 87.00 (86.70 to 87.70): VY003184.D (-1024) (-)



#44

Trichloroethene

Concen: 49.075 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003184.D

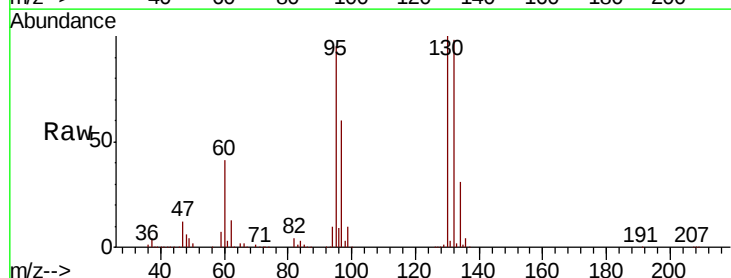
Acq: 13 Jul 2020 16:24

Tgt Ion: 130 Resp: 266272

Ion Ratio Lower Upper

130 100

95 95.2 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): VY003184.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY003184.D (-1133) (-)

Ion 129.80 (129.50 to 130.50): VY003184.D (-1133) (-)

Ion 130.00 (129.70 to 130.30): VY003184.D (-1133) (-)

Ion 131.00 (130.70 to 131.30): VY003184.D (-1133) (-)

Ion 132.00 (131.70 to 132.30): VY003184.D (-1133) (-)

Ion 133.00 (132.70 to 133.30): VY003184.D (-1133) (-)

Ion 134.00 (133.70 to 134.30): VY003184.D (-1133) (-)

Ion 135.00 (134.70 to 135.30): VY003184.D (-1133) (-)

Ion 136.00 (135.70 to 136.30): VY003184.D (-1133) (-)

Ion 137.00 (136.70 to 137.30): VY003184.D (-1133) (-)

Ion 138.00 (137.70 to 138.30): VY003184.D (-1133) (-)

Ion 139.00 (138.70 to 139.30): VY003184.D (-1133) (-)

Ion 140.00 (139.70 to 140.30): VY003184.D (-1133) (-)

Ion 141.00 (140.70 to 141.30): VY003184.D (-1133) (-)

Ion 142.00 (141.70 to 142.30): VY003184.D (-1133) (-)

Ion 143.00 (142.70 to 143.30): VY003184.D (-1133) (-)

Ion 144.00 (143.70 to 144.30): VY003184.D (-1133) (-)

Ion 145.00 (144.70 to 145.30): VY003184.D (-1133) (-)

Ion 146.00 (145.70 to 146.30): VY003184.D (-1133) (-)

Ion 147.00 (146.70 to 147.30): VY003184.D (-1133) (-)

Ion 148.00 (147.70 to 148.30): VY003184.D (-1133) (-)

Ion 149.00 (148.70 to 149.30): VY003184.D (-1133) (-)

Ion 150.00 (149.70 to 150.30): VY003184.D (-1133) (-)

Ion 151.00 (150.70 to 151.30): VY003184.D (-1133) (-)

Ion 152.00 (151.70 to 152.30): VY003184.D (-1133) (-)

Ion 153.00 (152.70 to 153.30): VY003184.D (-1133) (-)

Ion 154.00 (153.70 to 154.30): VY003184.D (-1133) (-)

Ion 155.00 (154.70 to 155.30): VY003184.D (-1133) (-)

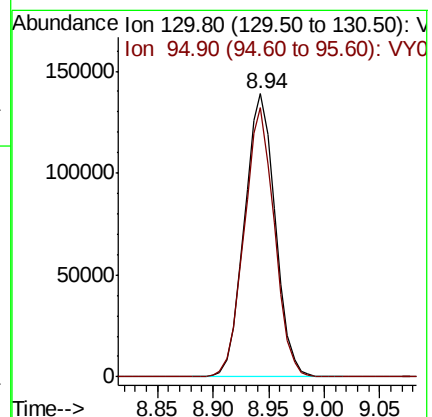
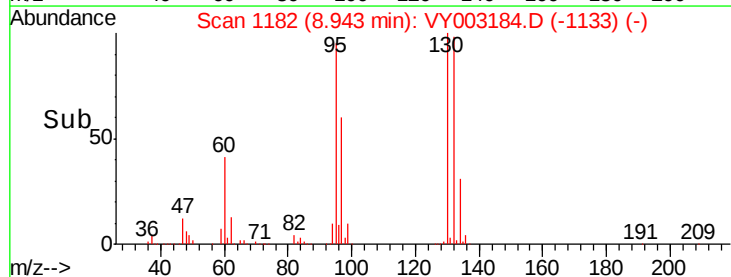
Ion 156.00 (155.70 to 156.30): VY003184.D (-1133) (-)

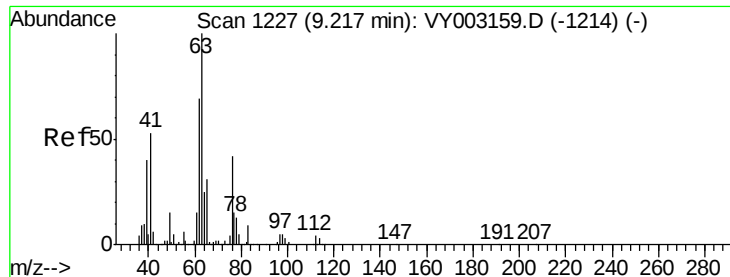
Ion 157.00 (156.70 to 157.30): VY003184.D (-1133) (-)

Ion 158.00 (157.70 to 158.30): VY003184.D (-1133) (-)

Ion 159.00 (158.70 to 159.30): VY003184.D (-1133) (-)

Ion 160.00 (159.70 to 160.30): VY003184.D (-1133) (-)





#45

1,2-Dichloropropane

Concen: 50.595 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

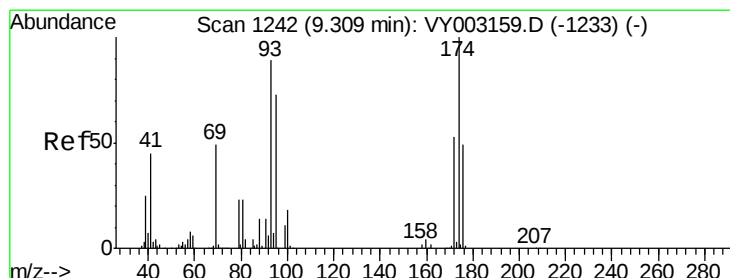
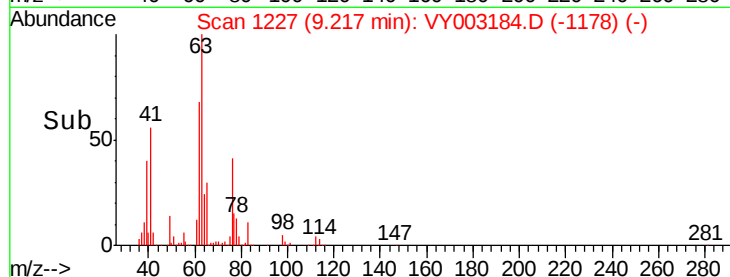
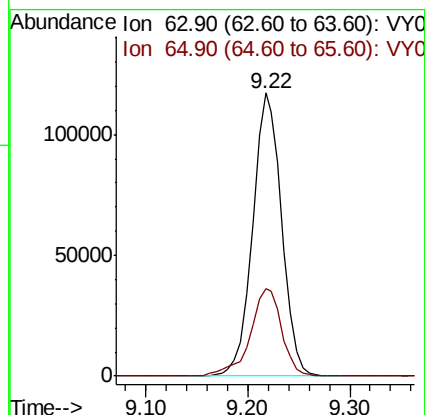
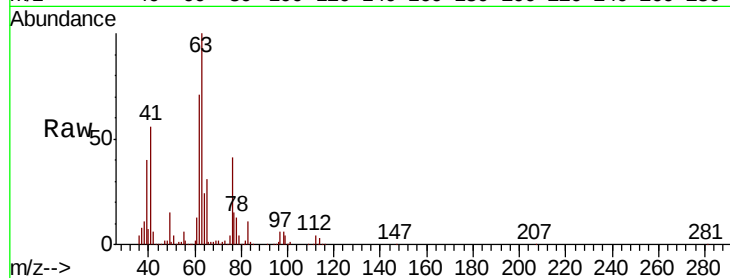
VSTDCCC050EC

Tot Ion: 63 Resp: 231715

Ion Ratio Lower Upper

63 100

65 30.7 25.0 37.4



#46

Dibromomethane

Concen: 48.461 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

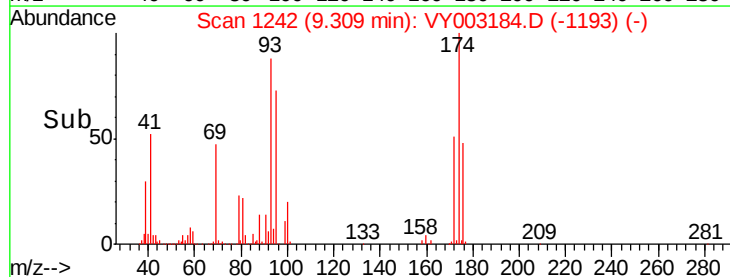
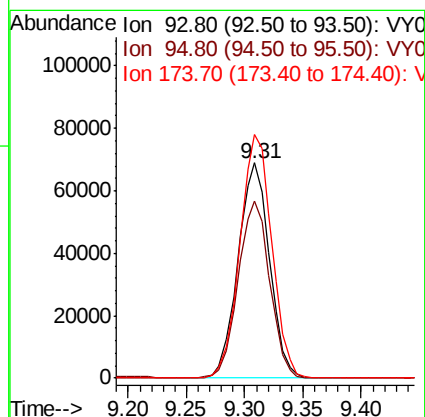
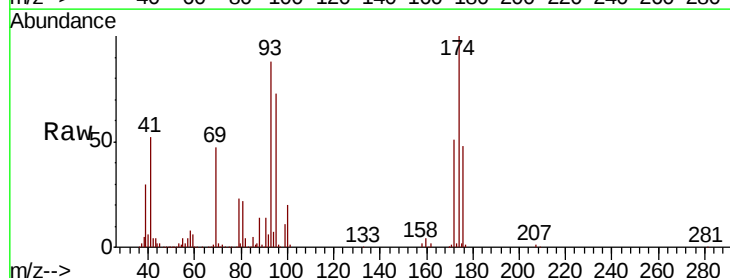
Tgt Ion: 93 Resp: 129630

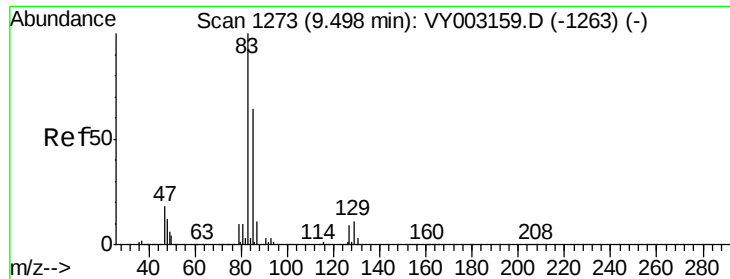
Ion Ratio Lower Upper

93 100

95 83.1 66.6 99.8

174 114.9 90.2 135.4





#47

Bromodichloromethane

Concen: 50.230 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

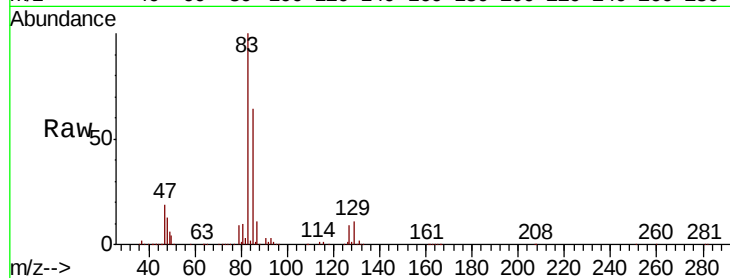
Tot Ion: 83 Resp: 319556

Ion Ratio Lower Upper

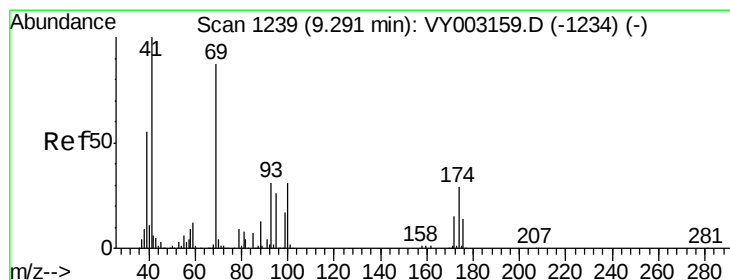
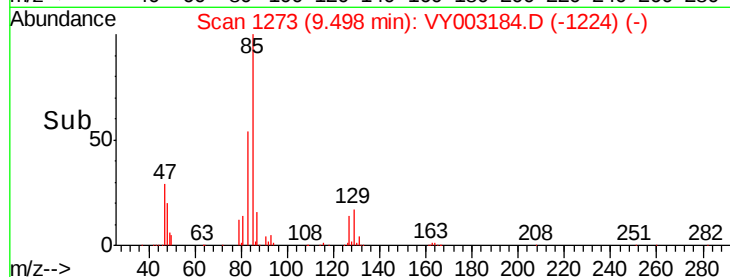
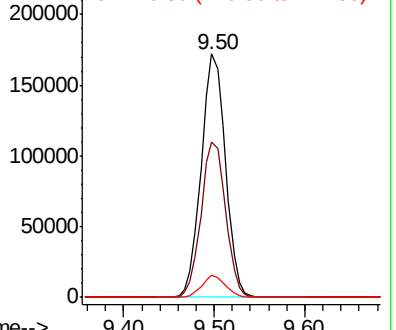
83 100

85 64.0 50.9 76.3

127 8.9 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 47.749 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

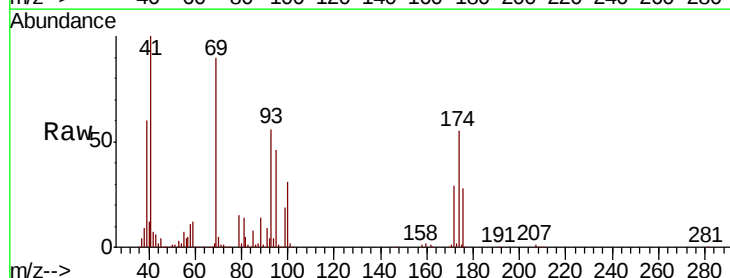
Tgt Ion: 41 Resp: 143036

Ion Ratio Lower Upper

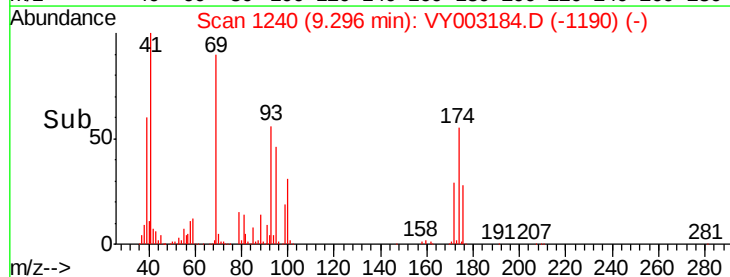
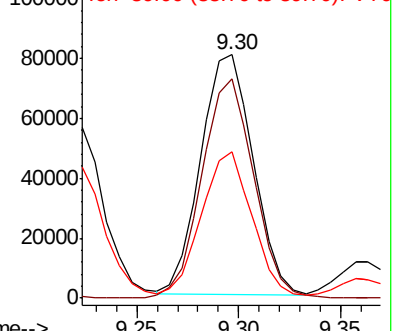
41 100

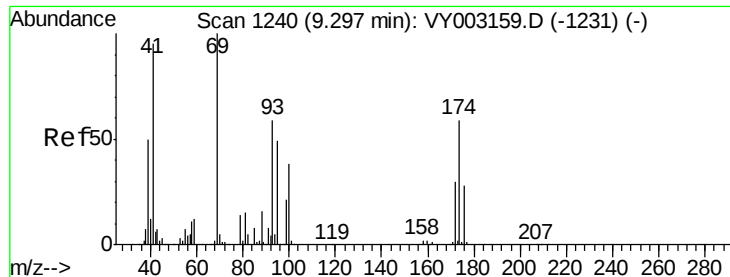
69 90.9 74.5 111.7

39 56.8 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 955.338 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

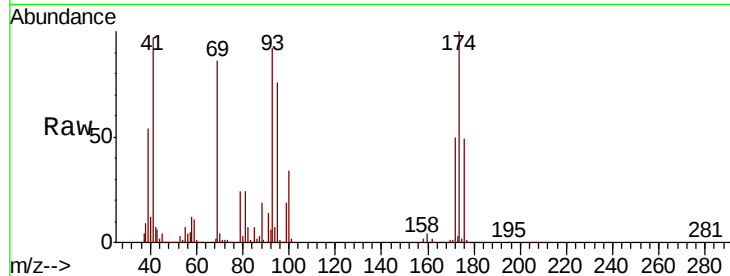
Tot Ion: 88 Resp: 32433

Ion Ratio Lower Upper

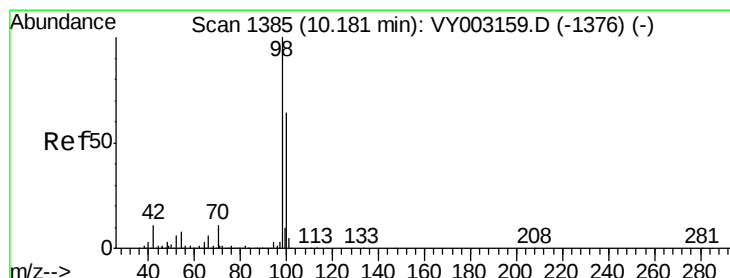
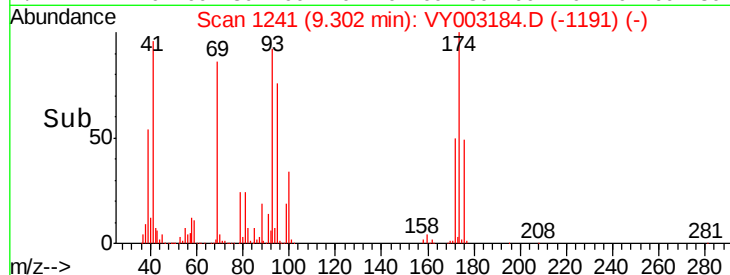
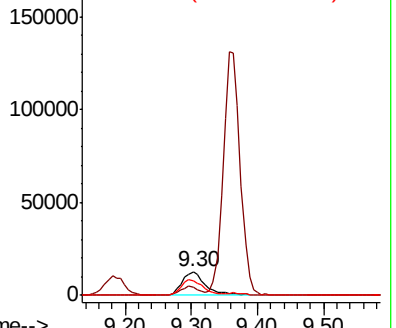
88 100

43 27.4 25.6 38.4

58 70.5 47.8 71.6



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 48.416 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003184.D

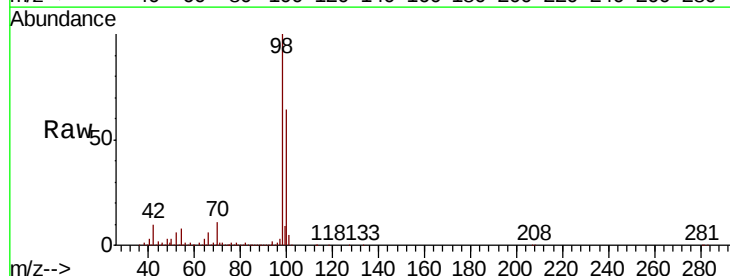
Acq: 13 Jul 2020 16:24

Tgt Ion: 98 Resp: 734686

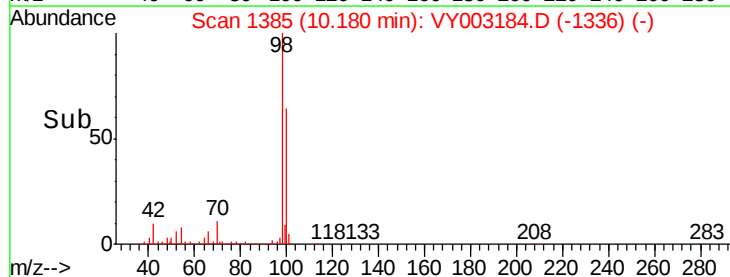
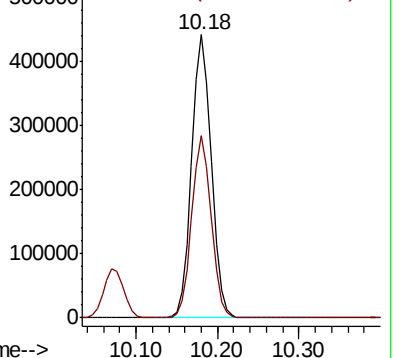
Ion Ratio Lower Upper

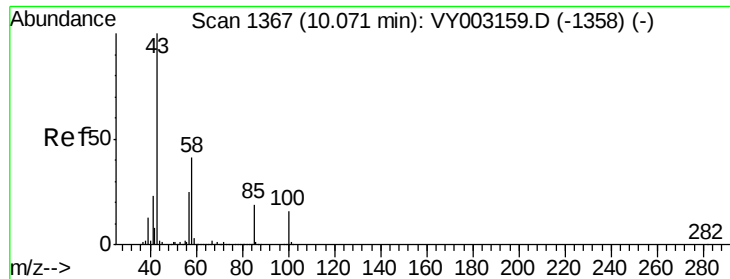
98 100

100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 230.687 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

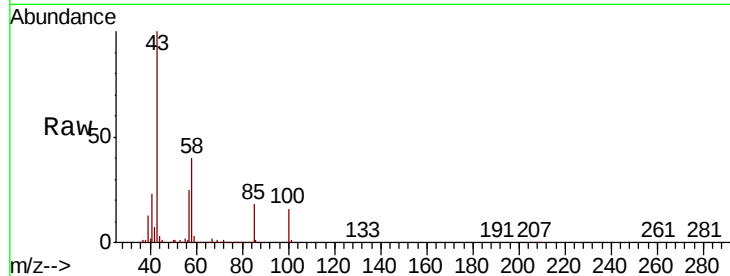
VSTDCCC050EC

Tot Ion: 43 Resp: 803433

Ion Ratio Lower Upper

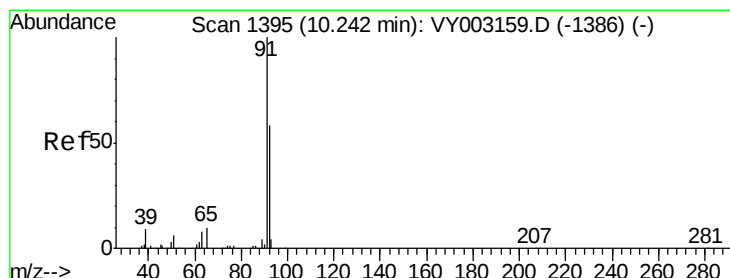
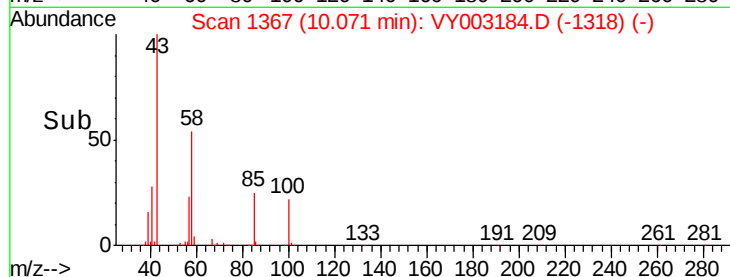
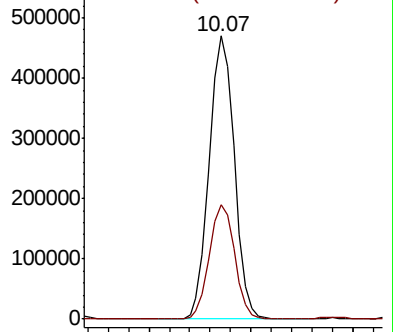
43 100

58 40.8 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 49.867 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY003184.D

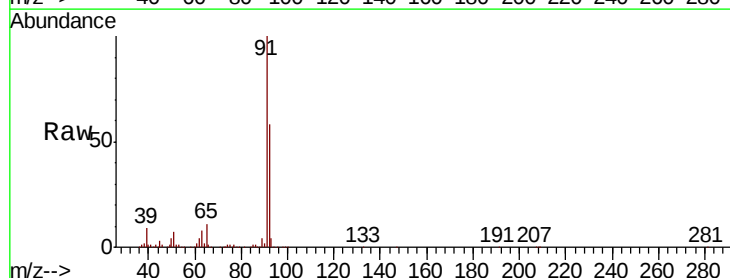
Acq: 13 Jul 2020 16:24

Tgt Ion: 92 Resp: 564148

Ion Ratio Lower Upper

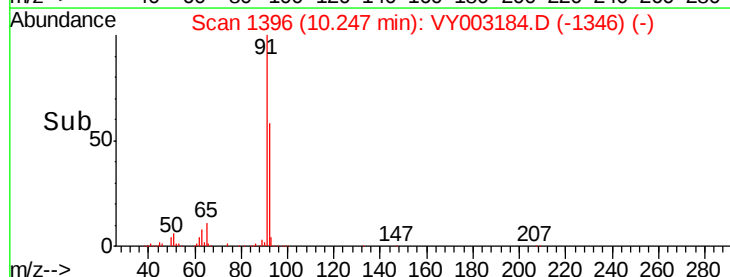
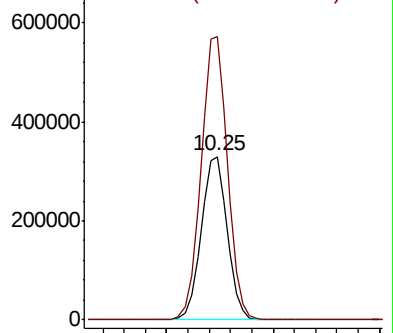
92 100

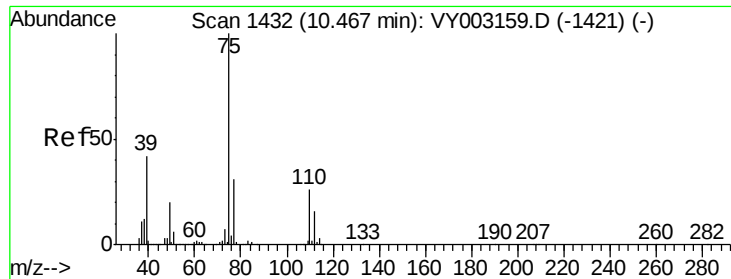
91 175.7 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 50.007 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

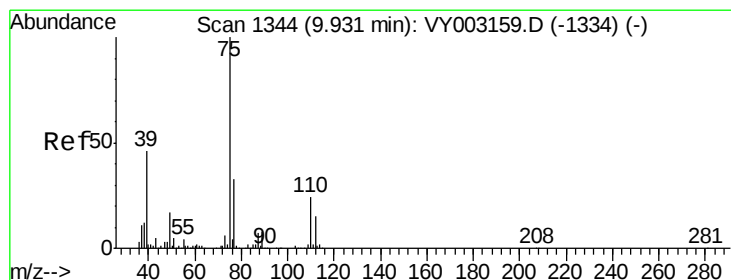
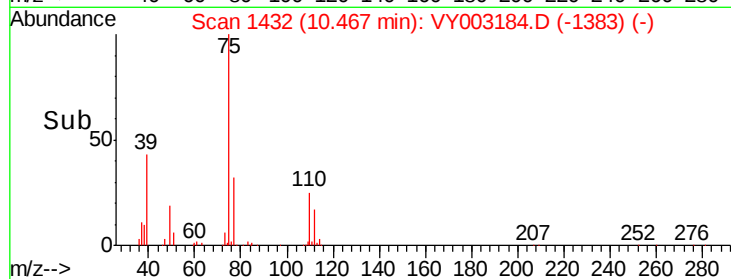
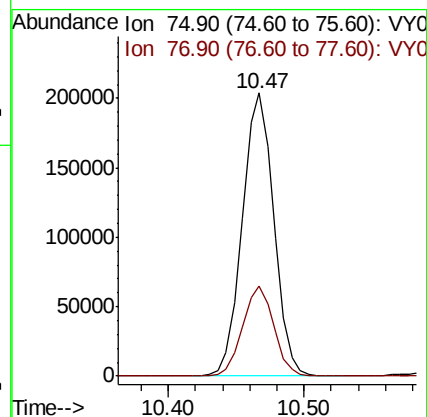
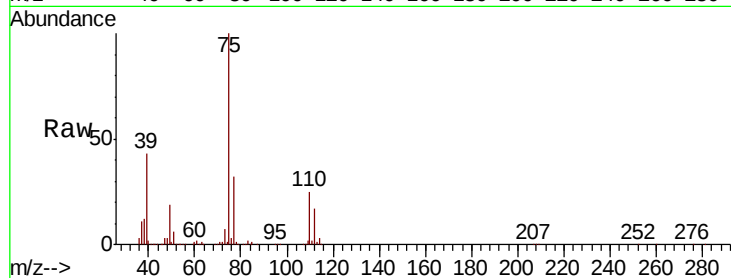
VSTDCCC050EC

Tot Ion: 75 Resp: 329620

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 49.993 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

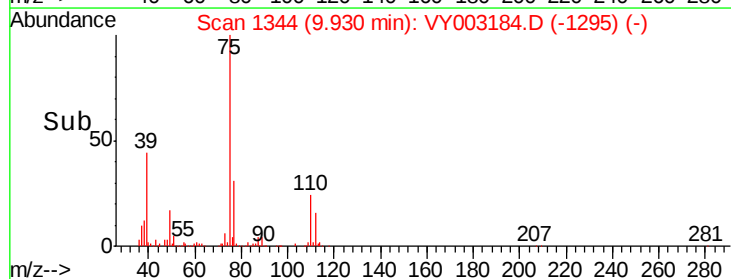
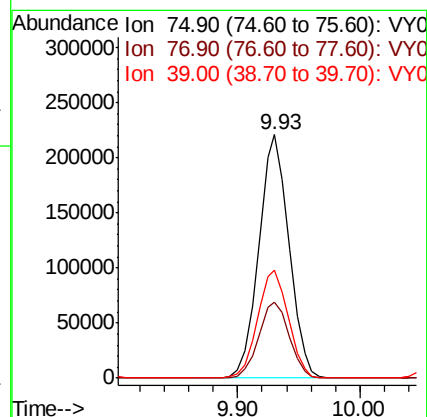
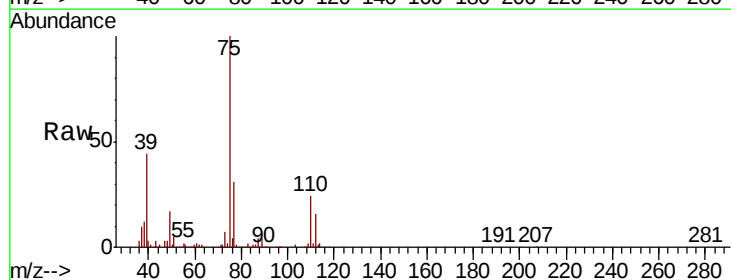
Tgt Ion: 75 Resp: 379681

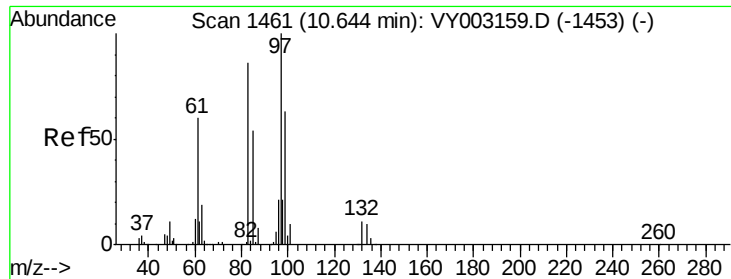
Ion Ratio Lower Upper

75 100

77 30.9 26.7 40.1

39 44.3 37.0 55.6

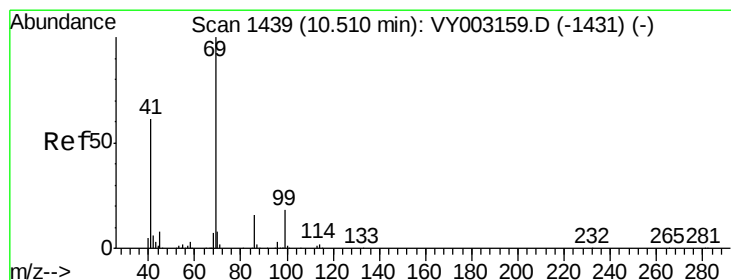
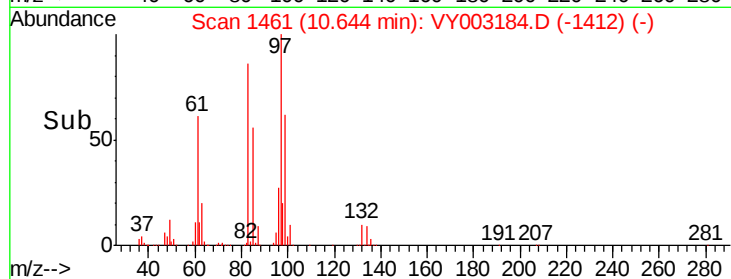
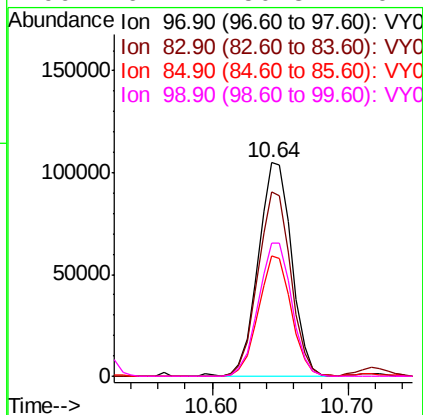
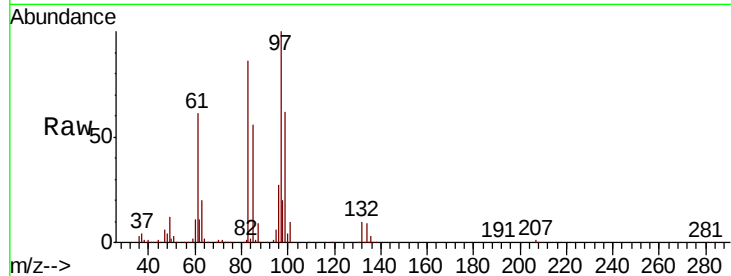




#55
 1,1,2-Trichloroethane
 Concen: 47.935 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

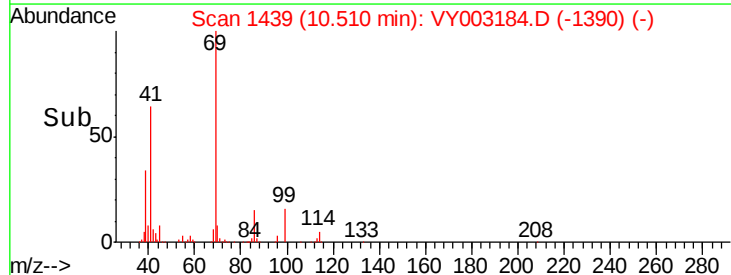
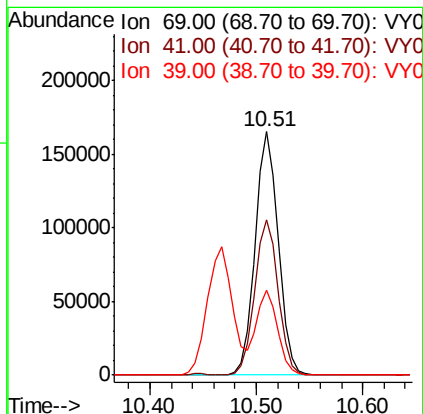
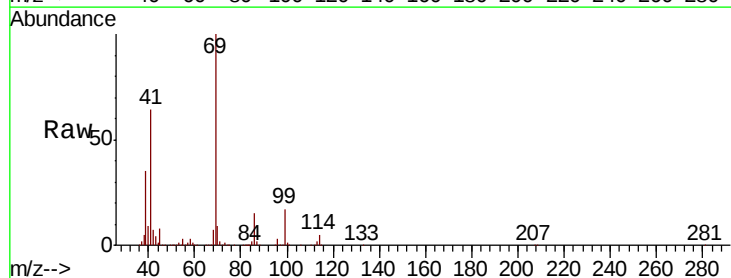
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

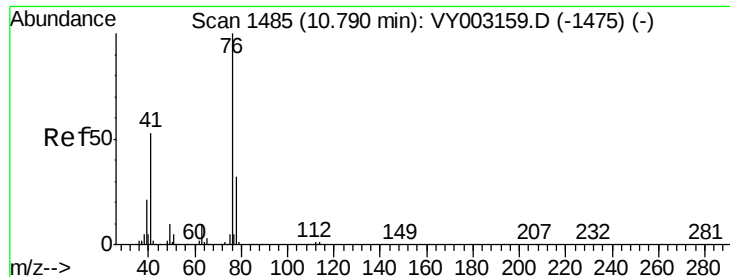
Tot Ion:	97	Resp:	181696
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.8	103.2
85	56.3	43.1	64.7
99	62.1	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 48.922 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

Tgt Ion:	69	Resp:	252111
Ion	Ratio	Lower	Upper
69	100		
41	64.1	50.0	75.0
39	31.8	27.6	41.4





#57

1,3-Dichloropropane

Concen: 48.079 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

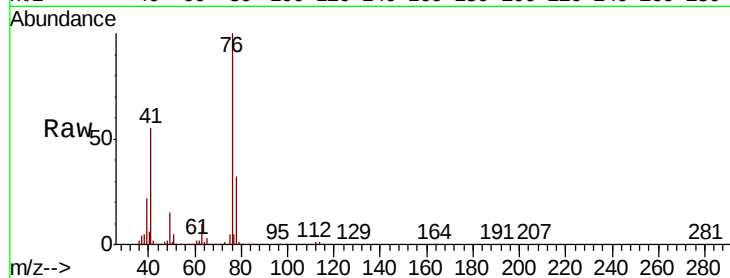
VSTDCCC050EC

Tot Ion: 76 Resp: 309006

Ion Ratio Lower Upper

76 100

78 33.1 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

200000

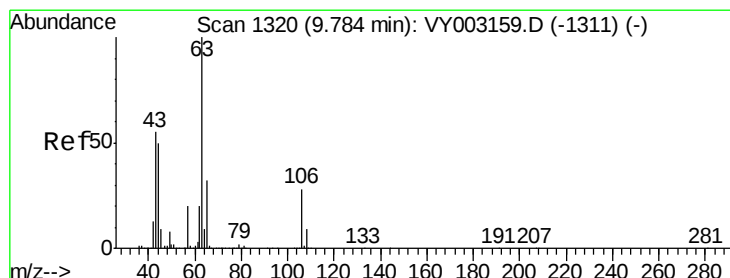
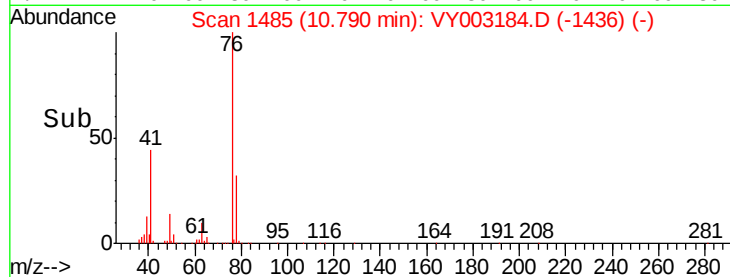
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 237.542 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003184.D

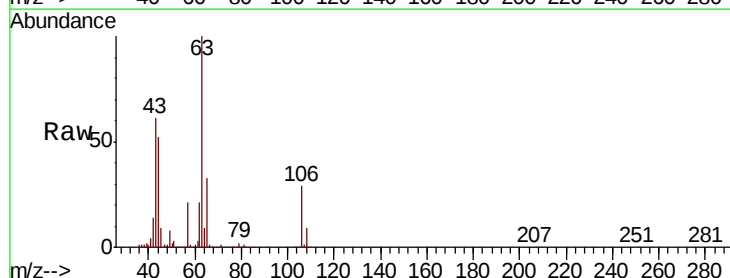
Acq: 13 Jul 2020 16:24

Tgt Ion: 63 Resp: 624302

Ion Ratio Lower Upper

63 100

106 28.8 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.78

400000

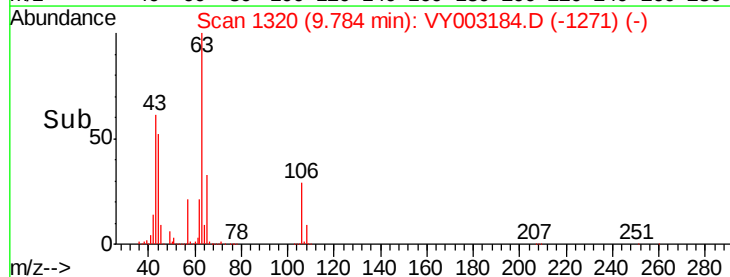
300000

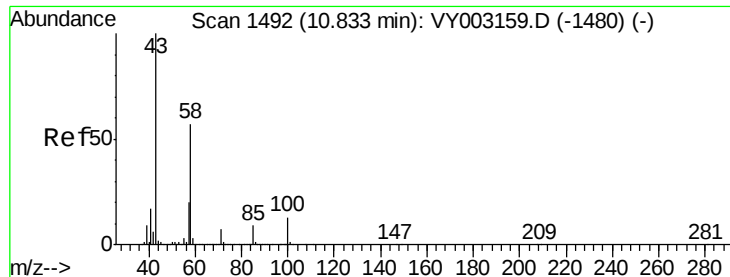
200000

100000

0

Time-->

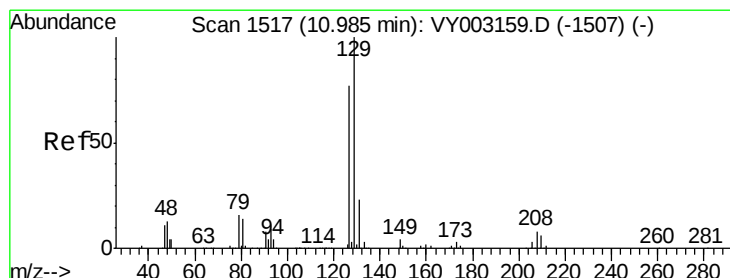
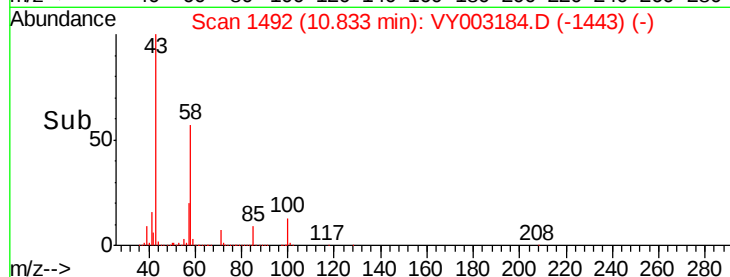
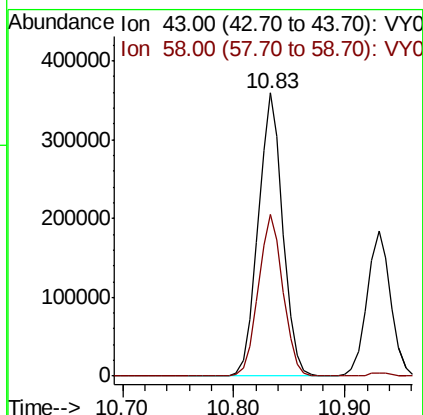
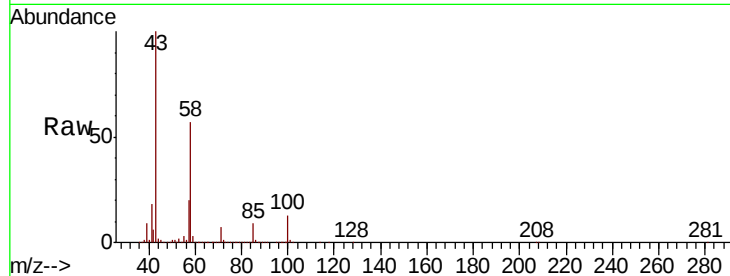




#59
2-Hexanone
Concen: 227.959 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

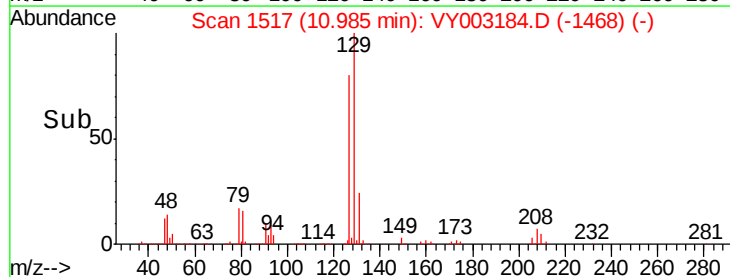
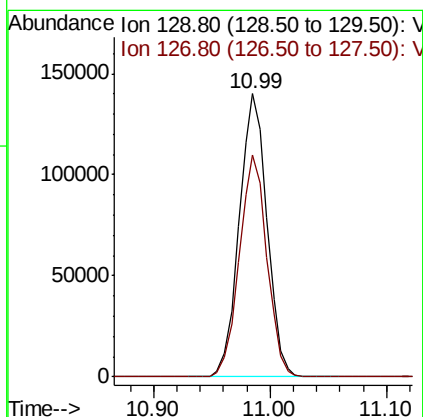
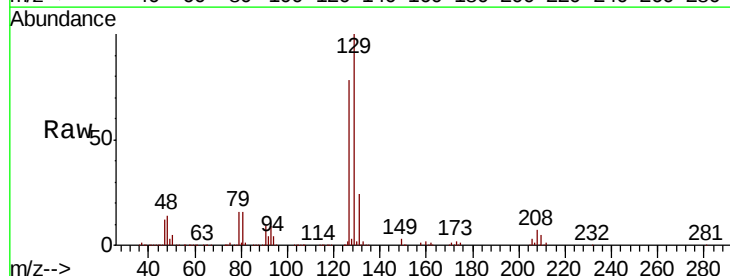
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

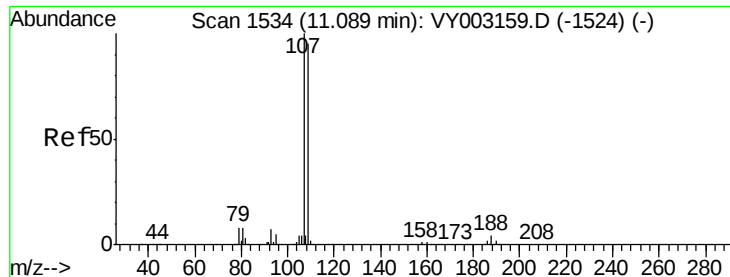
Tot Ion: 43 Resp: 554221
Ion Ratio Lower Upper
43 100
58 57.0 28.3 85.0



#60
Dibromochloromethane
Concen: 48.814 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

Tgt Ion: 129 Resp: 232721
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 47.272 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

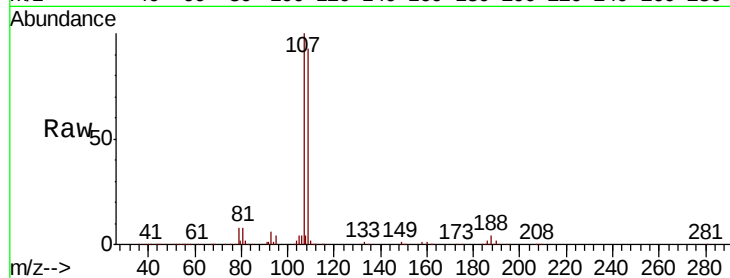
VSTDCCC050EC

Tot Ion:107 Resp: 176846

Ion Ratio Lower Upper

107 100

109 93.7 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.09

120000

100000

80000

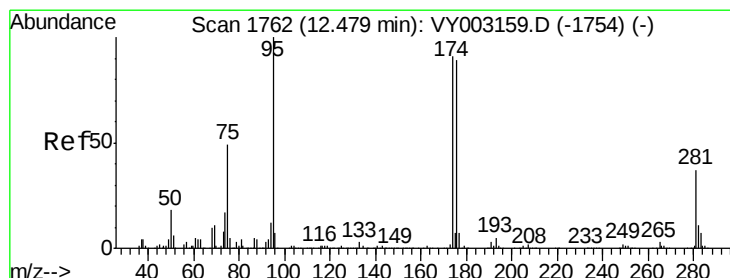
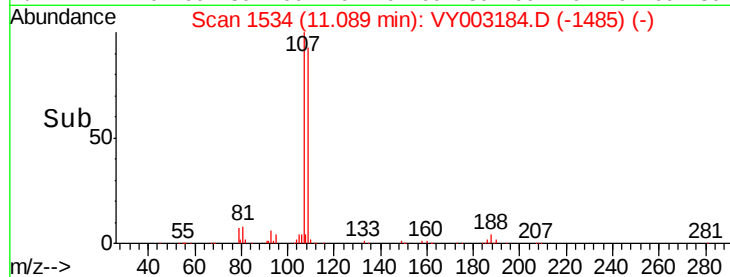
60000

40000

20000

0

Time--> 11.00 11.05 11.10 11.15



#62

4-Bromofluorobenzene

Concen: 47.846 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

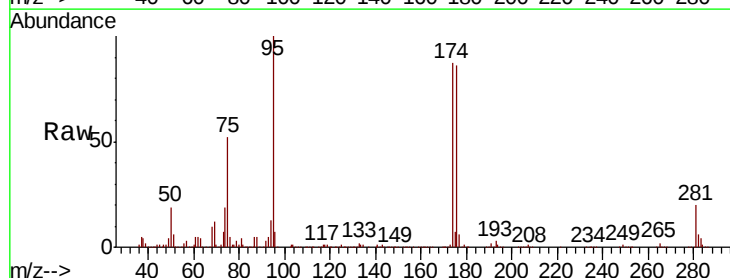
Tgt Ion: 95 Resp: 262288

Ion Ratio Lower Upper

95 100

174 93.7 0.0 190.6

176 92.4 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

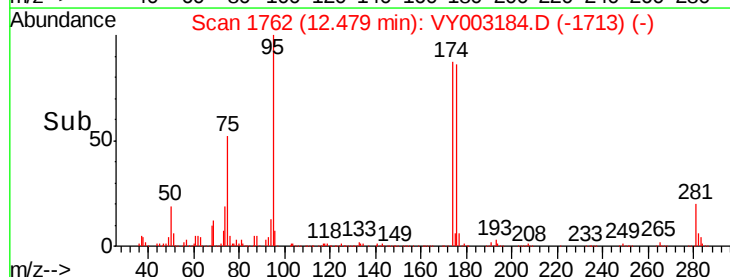
150000

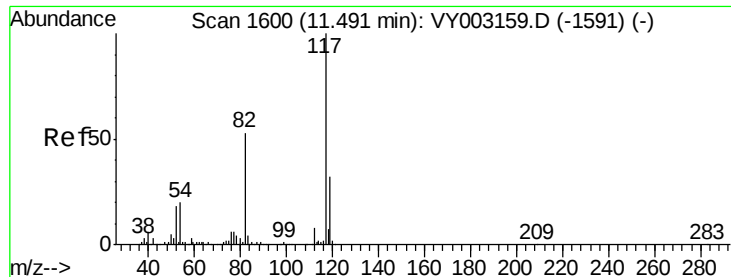
100000

50000

0

Time--> 12.40 12.50

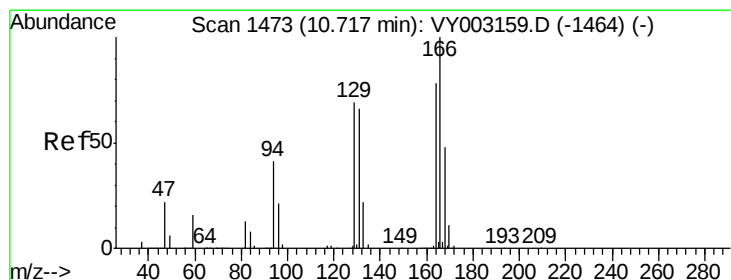
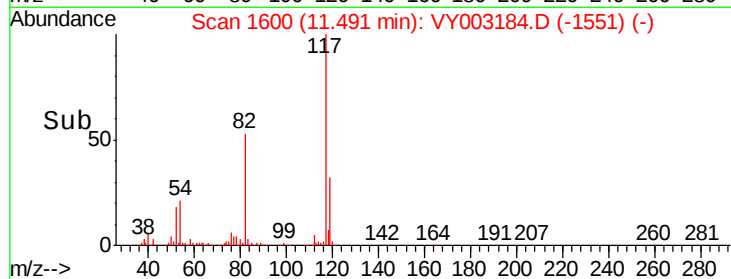
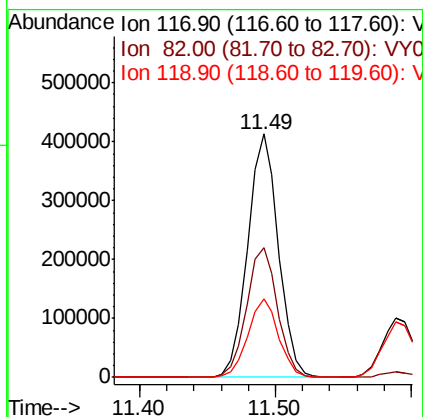
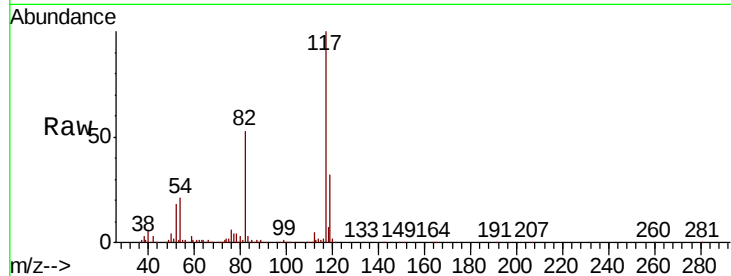




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

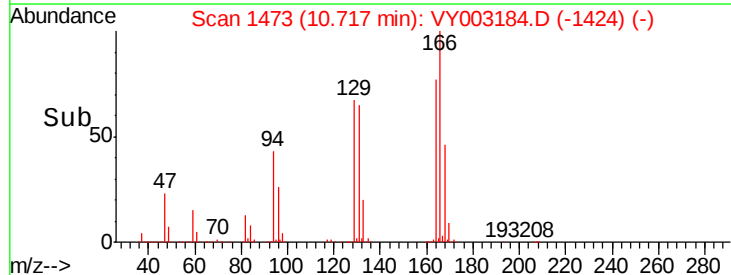
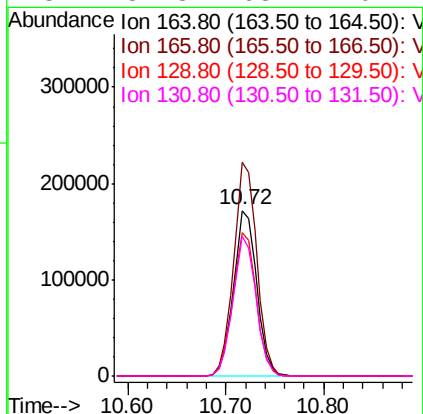
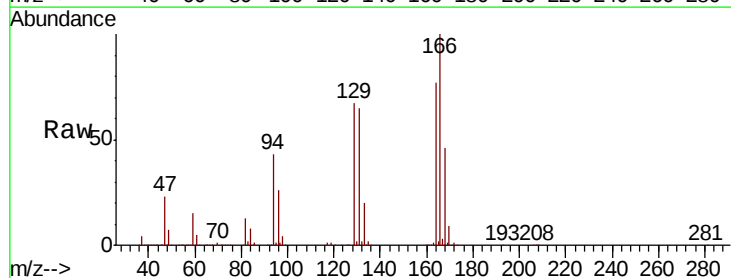
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

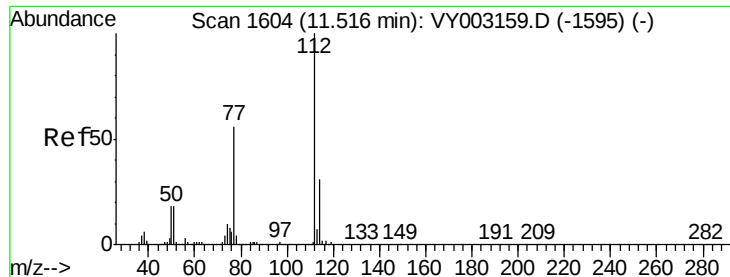
Tot Ion:117 Resp: 651282
Ion Ratio Lower Upper
117 100
82 53.4 42.0 63.0
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 48.709 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

Tgt Ion:164 Resp: 282855
Ion Ratio Lower Upper
164 100
166 129.3 102.9 154.3
129 86.5 71.4 107.2
131 84.3 68.1 102.1

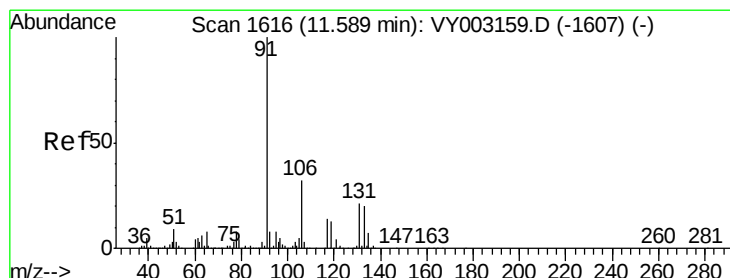
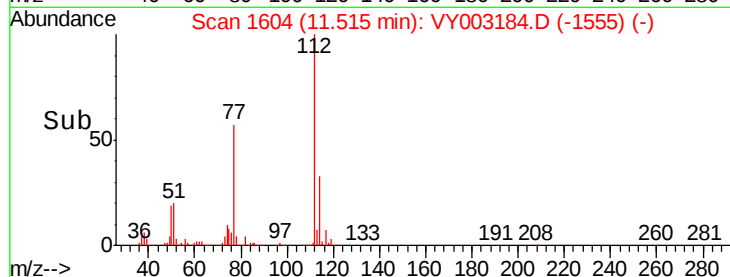
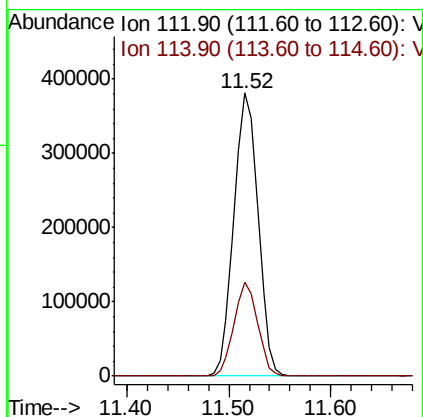
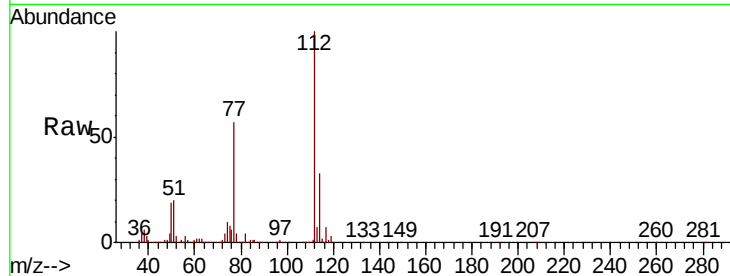




#65
Chlorobenzene
Concen: 49.780 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

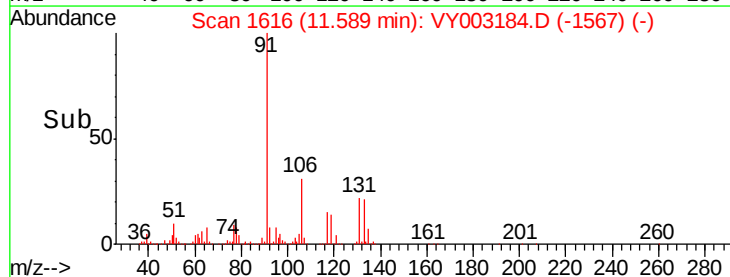
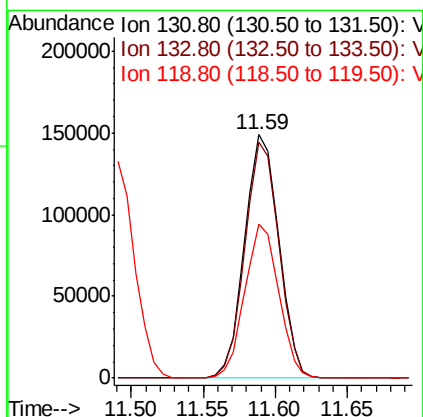
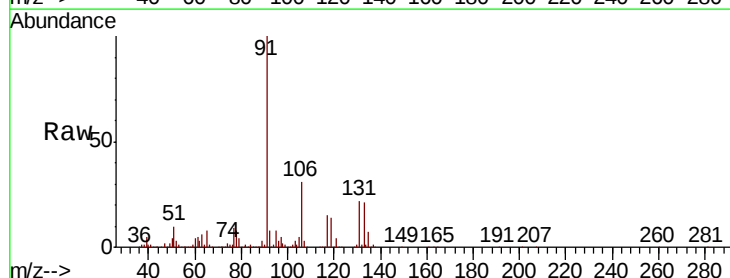
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

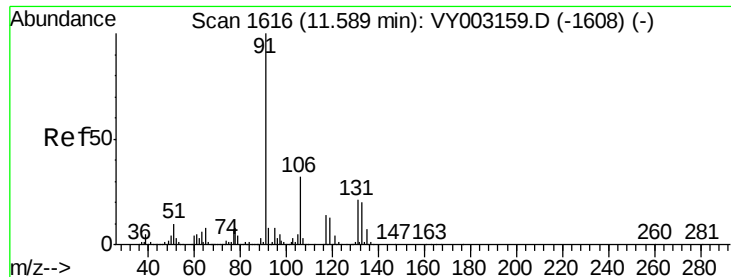
Tot Ion:112 Resp: 624572
Ion Ratio Lower Upper
112 100
114 33.1 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 50.234 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

Tgt Ion:131 Resp: 244792
Ion Ratio Lower Upper
131 100
133 96.6 48.0 144.0
119 63.0 32.4 97.0

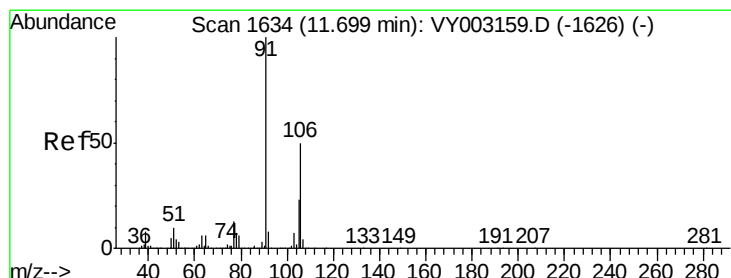
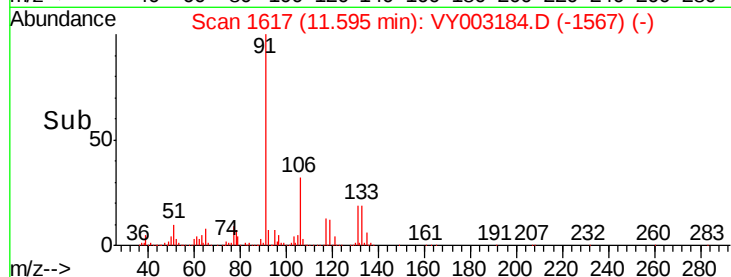
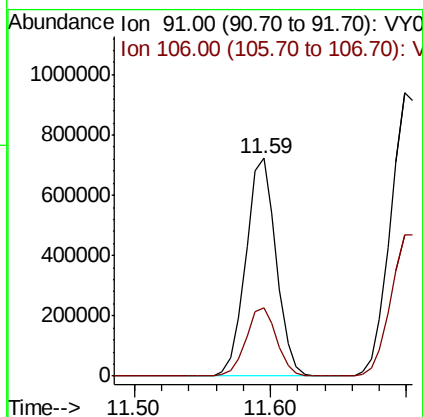
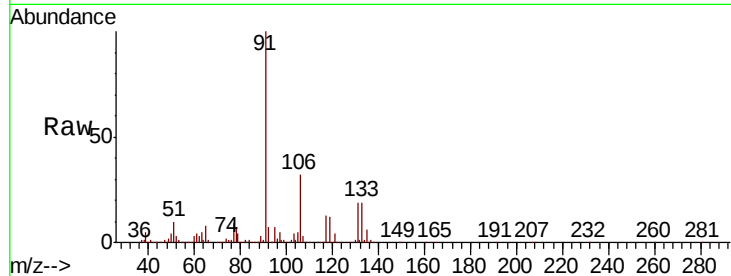




#67
Ethyl Benzene
Concen: 50.313 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

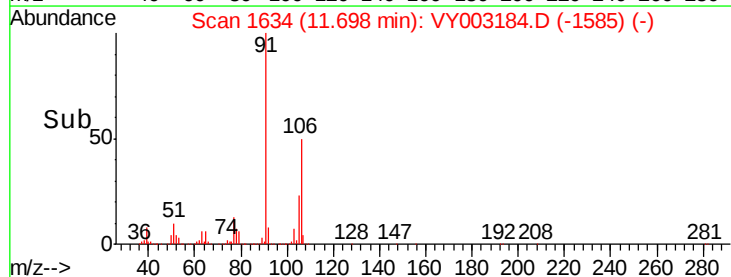
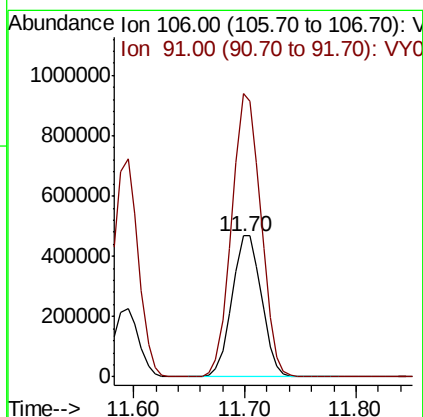
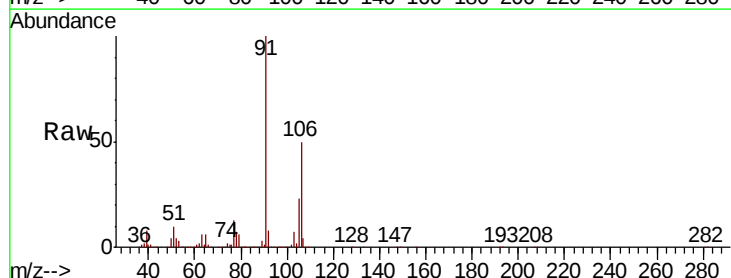
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

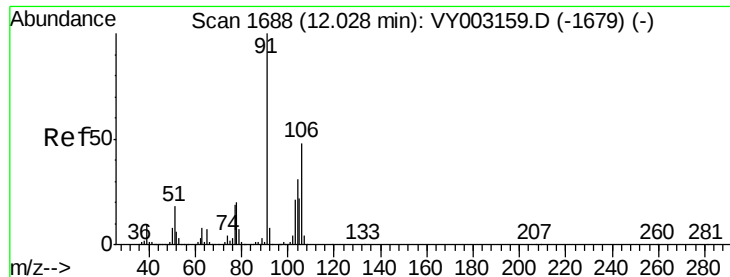
Tot Ion: 91 Resp: 1127113
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3



#68
m/p-Xylenes
Concen: 101.079 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

Tgt Ion: 106 Resp: 859164
Ion Ratio Lower Upper
106 100
91 198.7 159.0 238.6

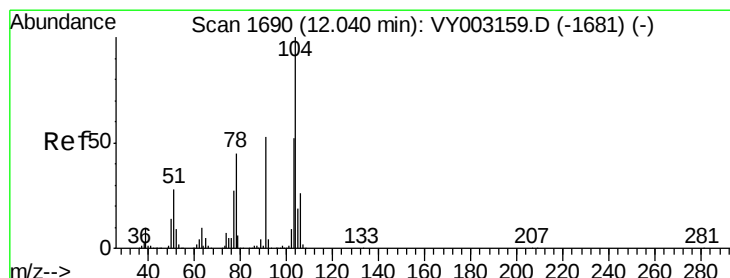
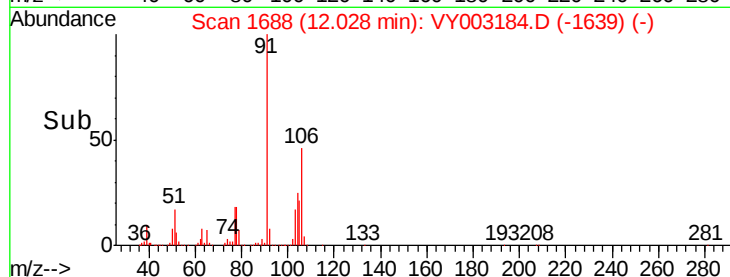
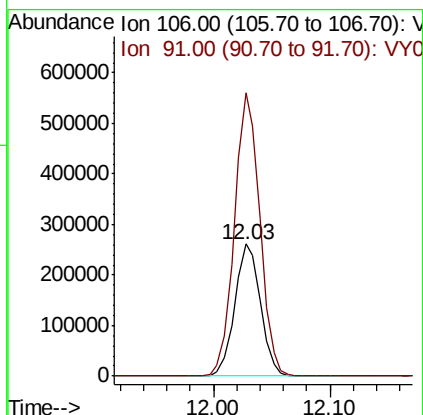
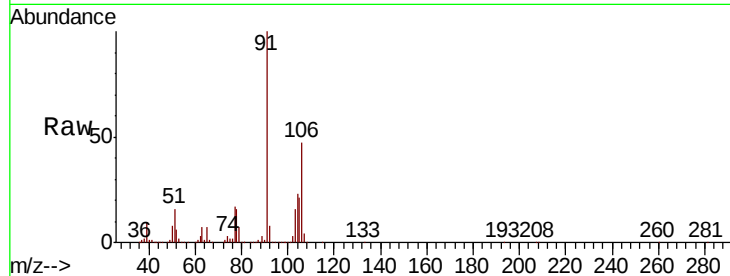




#69
o-Xylene
Concen: 50.464 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

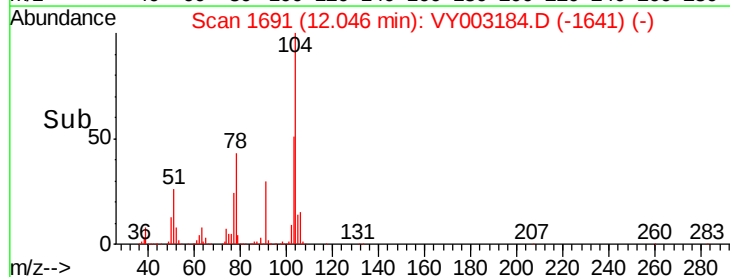
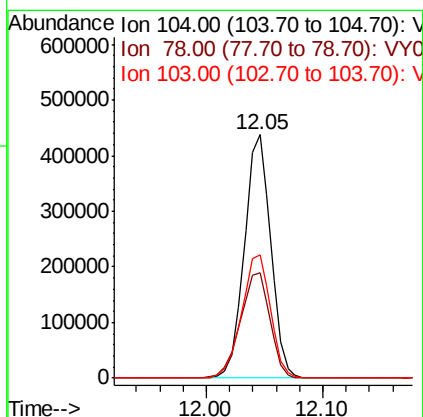
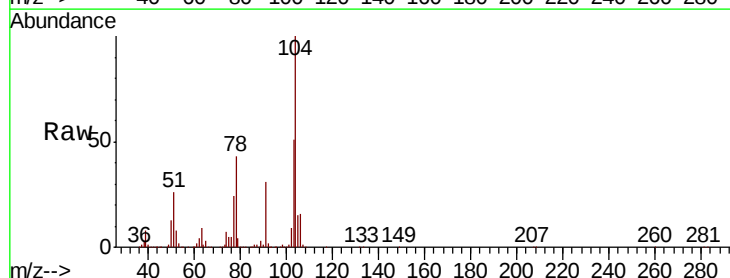
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

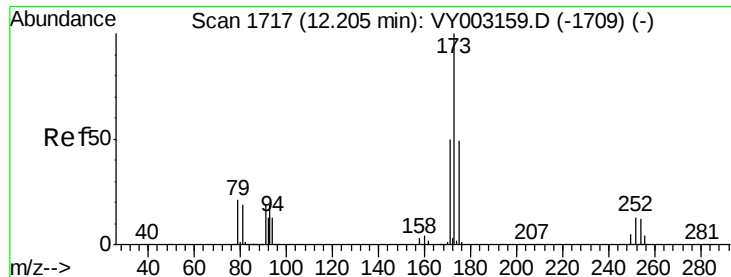
Tot Ion:106 Resp: 400721
Ion Ratio Lower Upper
106 100
91 211.5 105.1 315.1



#70
Styrene
Concen: 50.902 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

Tgt Ion:104 Resp: 691459
Ion Ratio Lower Upper
104 100
78 48.6 38.5 57.7
103 55.5 43.9 65.9





#71

Bromoform

Concen: 47.584 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

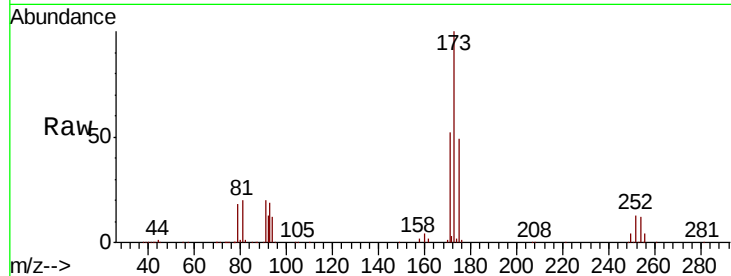
Tot Ion:173 Resp: 152187

Ion Ratio Lower Upper

173 100

175 49.7 24.3 73.0

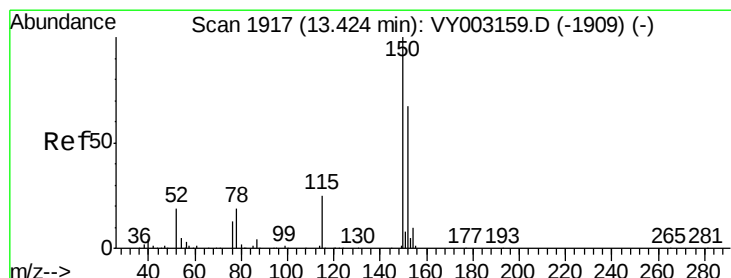
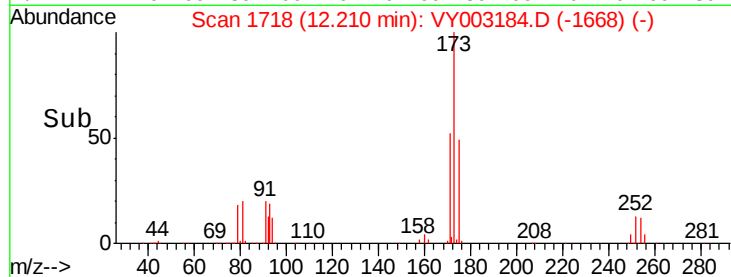
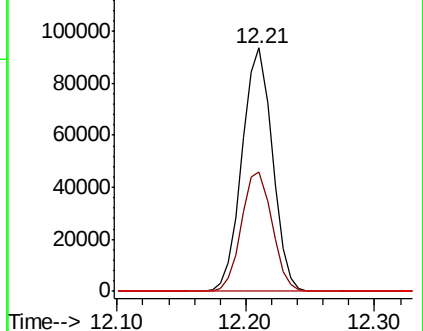
254 0.2 0.2 0.2



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: 13.43 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

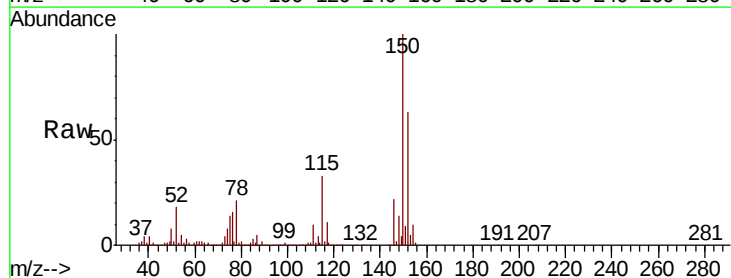
Tgt Ion:152 Resp: 339481

Ion Ratio Lower Upper

152 100

115 54.1 26.9 80.7

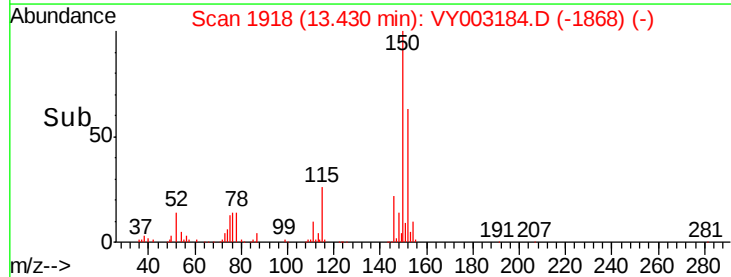
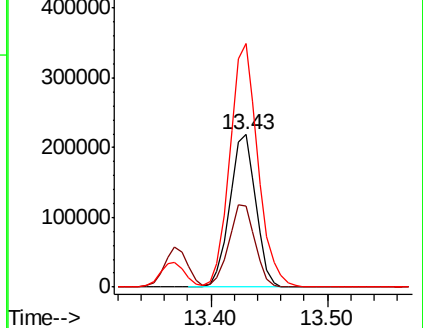
150 171.5 0.0 338.0

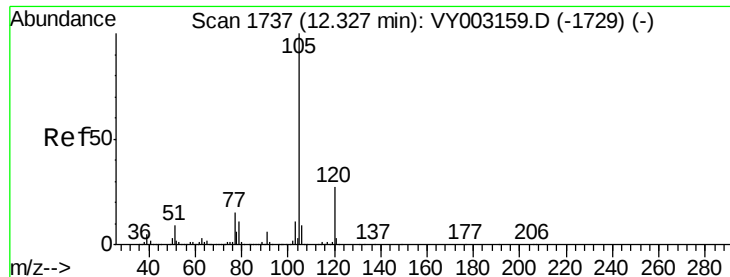


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.732 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

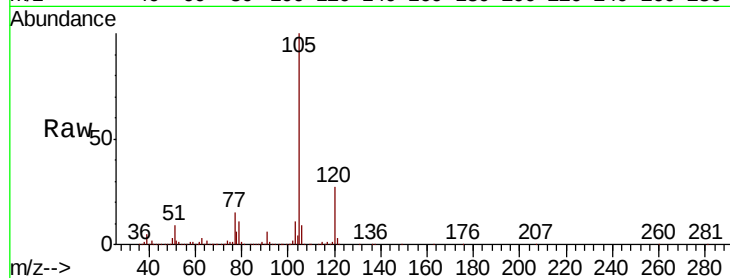
VSTDCCC050EC

Tot Ion:105 Resp: 1097530

Ion Ratio Lower Upper

105 100

120 27.2 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

800000

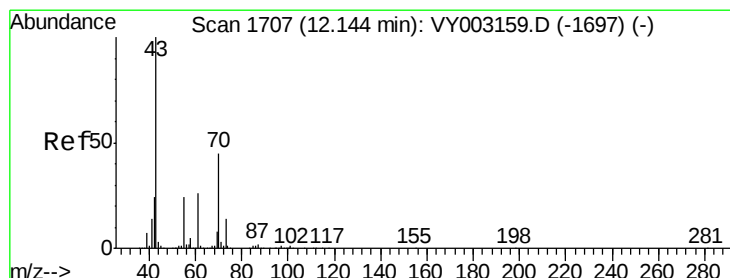
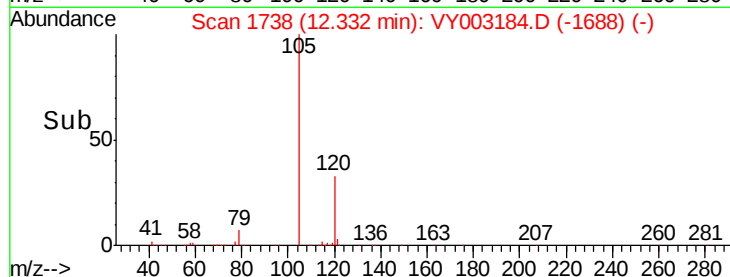
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 48.747 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Tgt Ion: 43 Resp: 295907

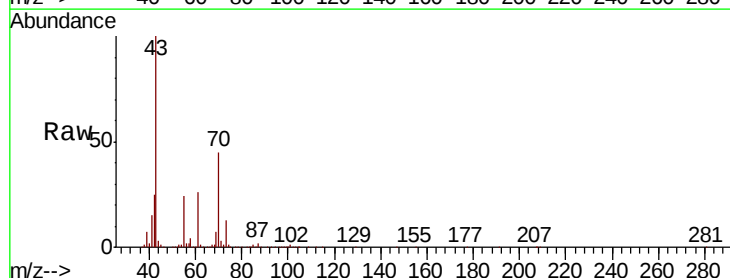
Ion Ratio Lower Upper

43 100

70 45.4 35.6 53.4

55 24.0 19.4 29.2

61 25.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

300000

250000

200000

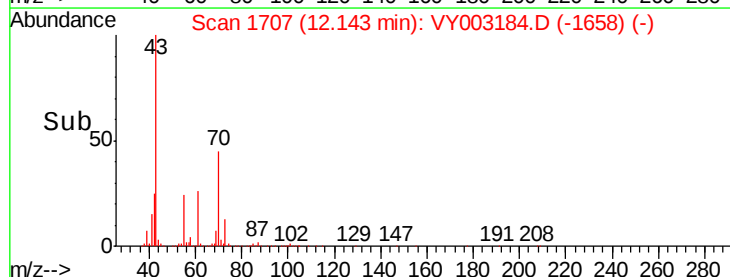
150000

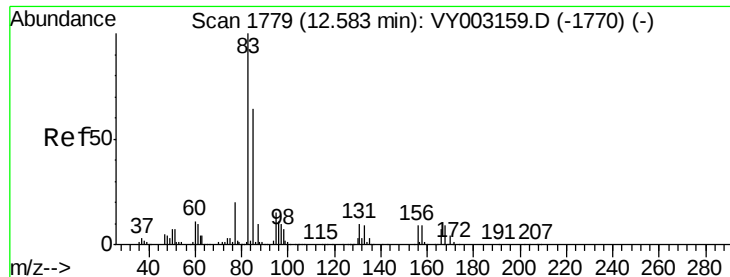
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.194 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

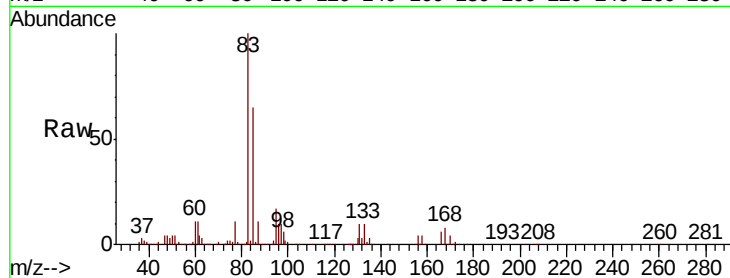
Tot Ion: 83 Resp: 197191

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

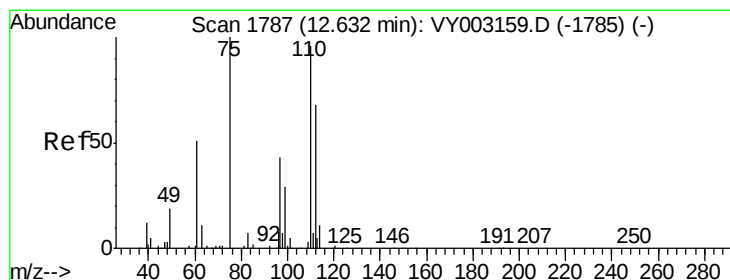
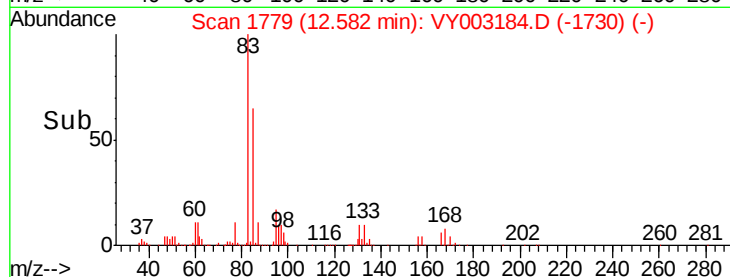
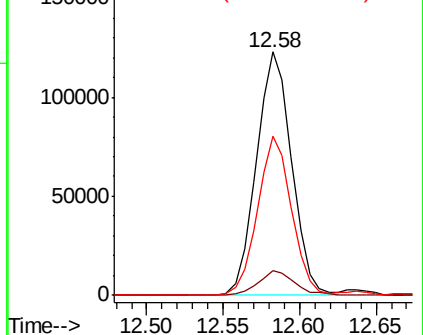
85 63.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 91.534 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. 0.01 min

Lab File: VY003184.D

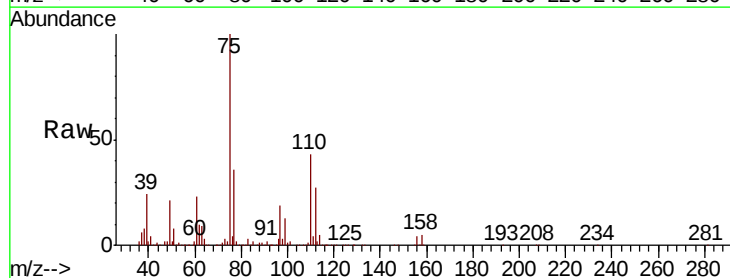
Acq: 13 Jul 2020 16:24

Tgt Ion: 75 Resp: 275058

Ion Ratio Lower Upper

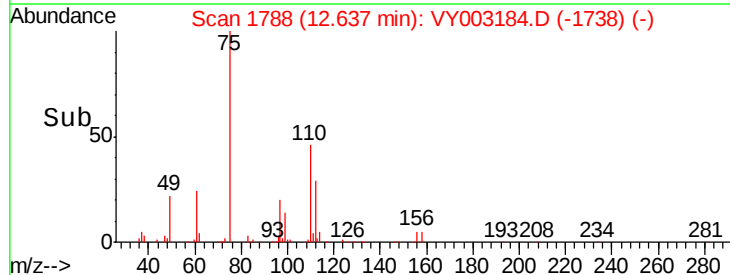
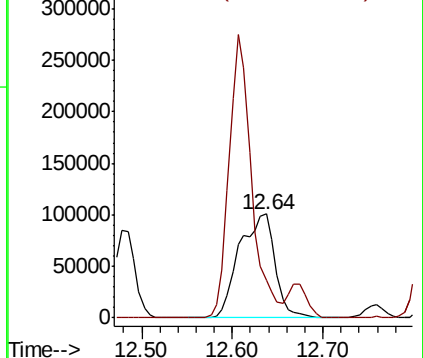
75 100

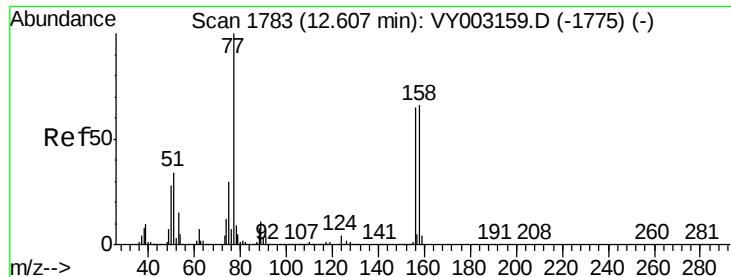
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 50.408 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

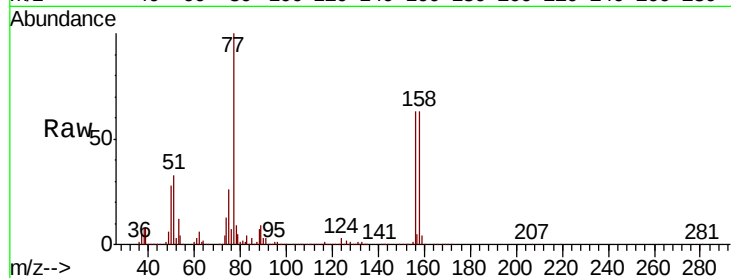
Tot Ion:156 Resp: 277979

Ion Ratio Lower Upper

156 100

77 171.4 86.6 259.7

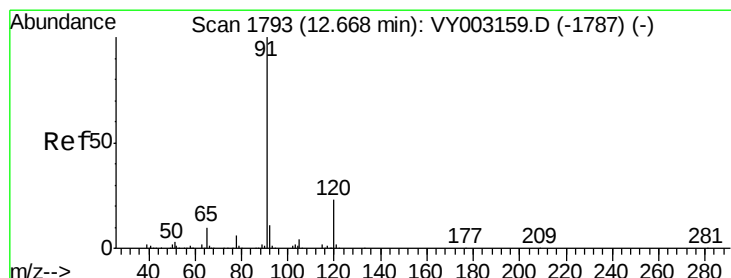
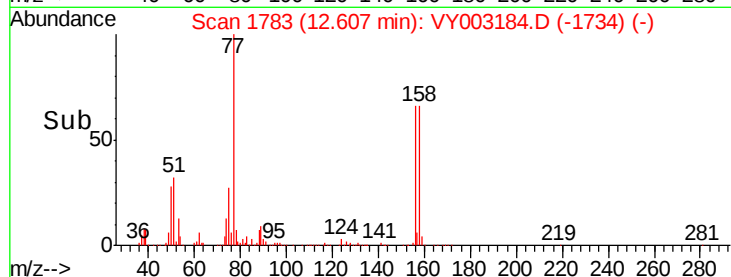
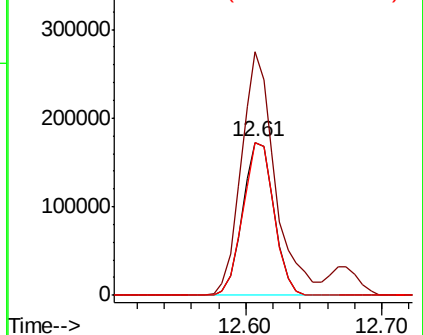
158 98.7 49.4 148.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.439 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VY003184.D

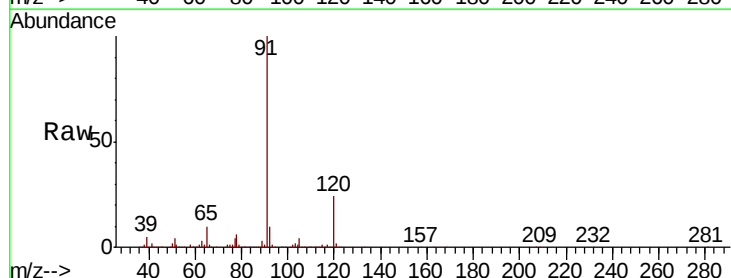
Acq: 13 Jul 2020 16:24

Tgt Ion: 91 Resp: 1311755

Ion Ratio Lower Upper

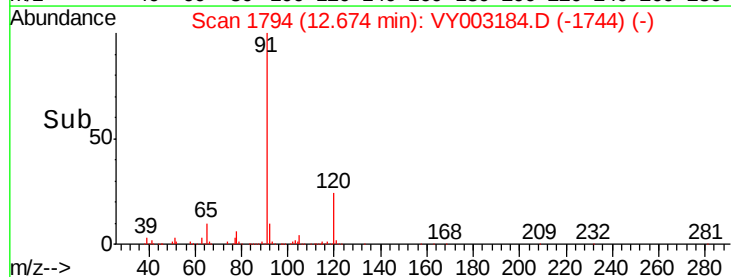
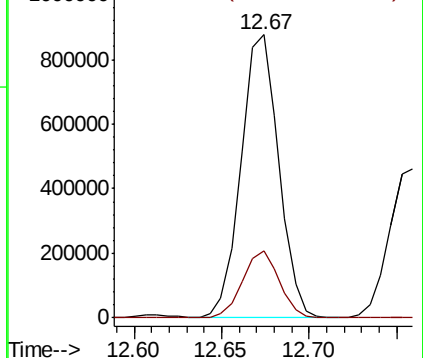
91 100

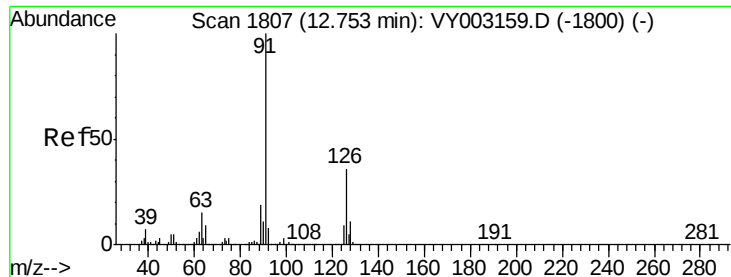
120 23.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

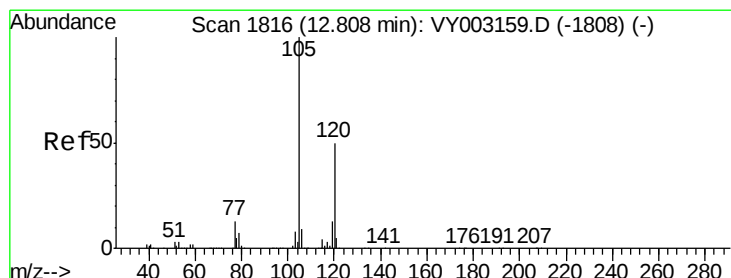
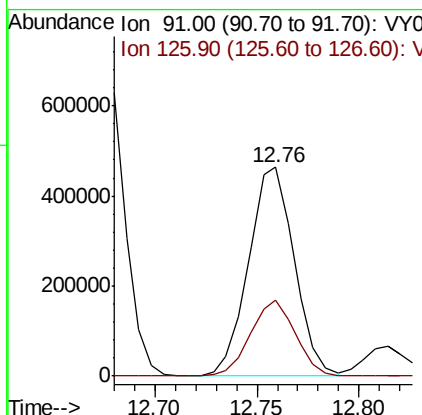
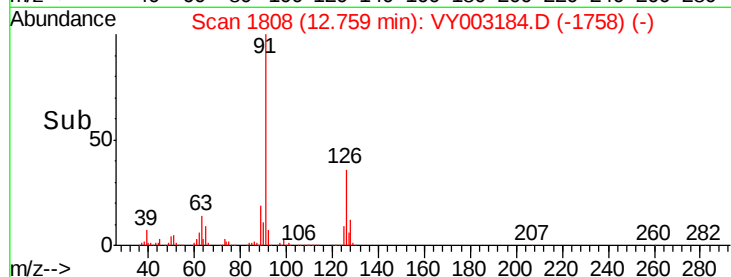
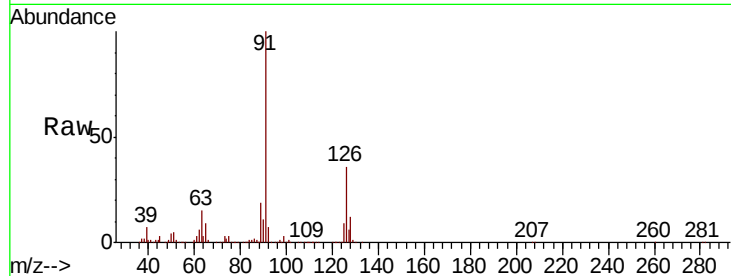




#79
 2-Chlorotoluene
 Concen: 50.848 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

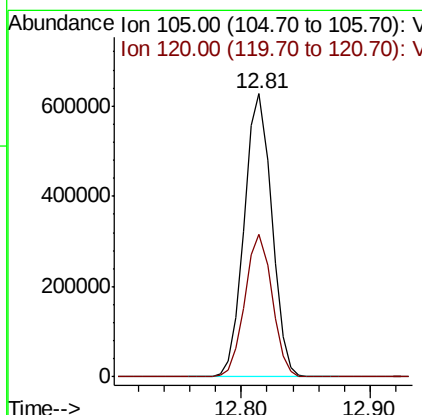
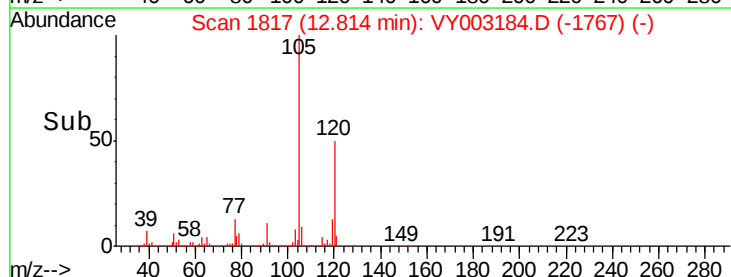
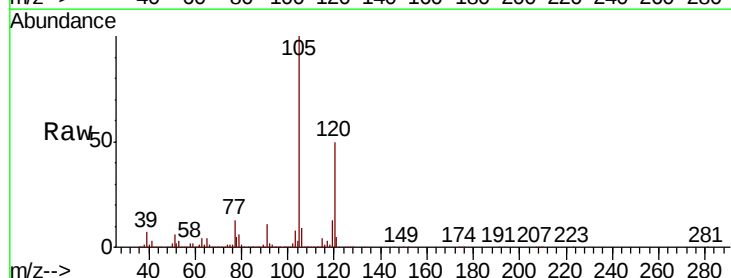
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

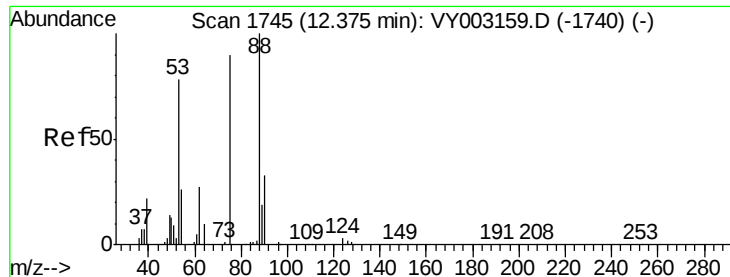
Tot Ion: 91 Resp: 723470
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.6 52.9



#80
 1,3,5-Trimethylbenzene
 Concen: 51.184 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.01 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

Tgt Ion: 105 Resp: 922892
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.444 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

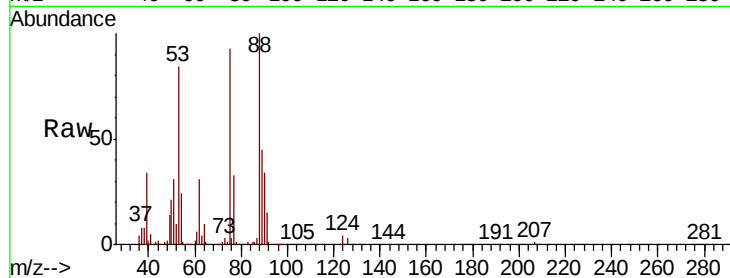
Tot Ion: 75 Resp: 73256

Ion Ratio Lower Upper

75 100

53 87.2 72.0 108.0

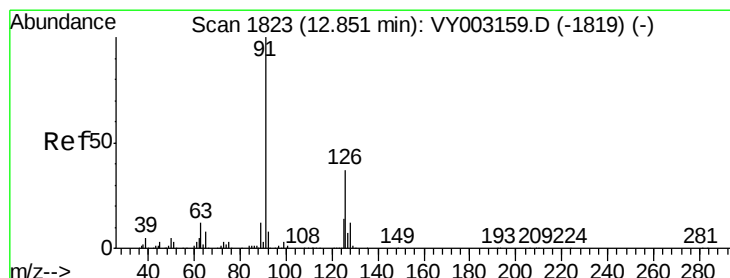
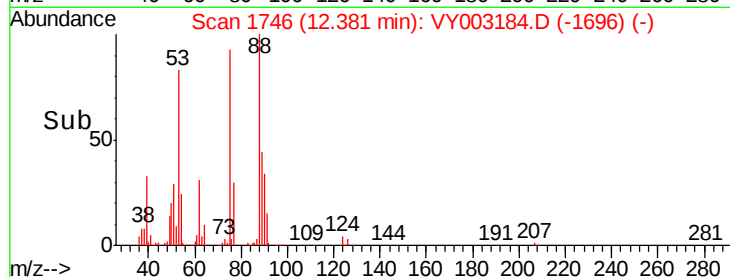
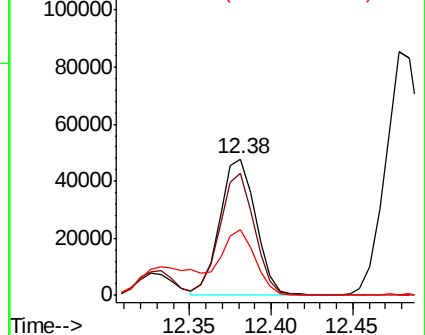
89 47.1 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 51.340 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VY003184.D

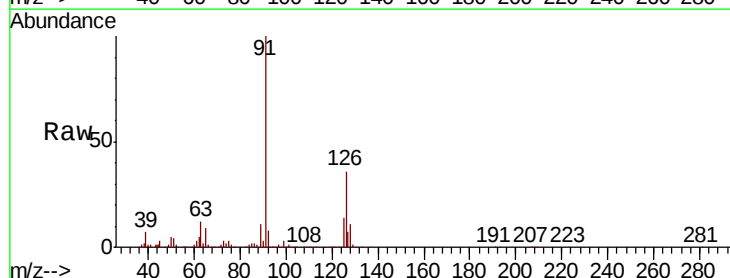
Acq: 13 Jul 2020 16:24

Tgt Ion: 91 Resp: 762433

Ion Ratio Lower Upper

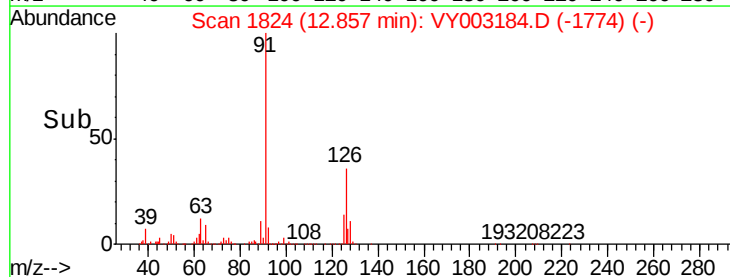
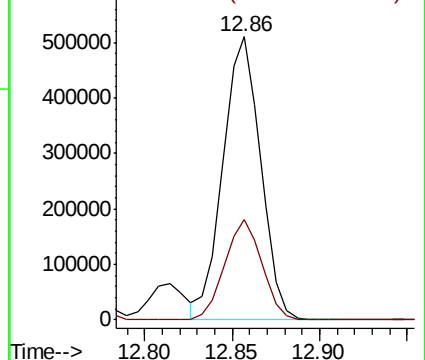
91 100

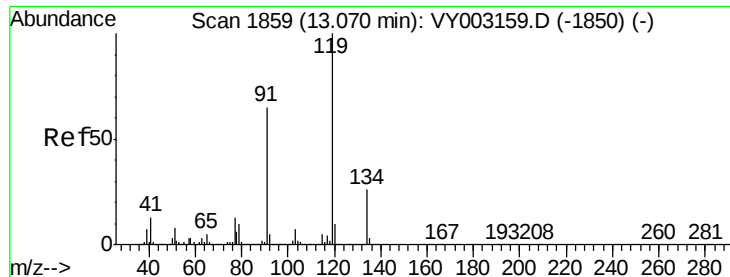
126 35.1 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.752 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

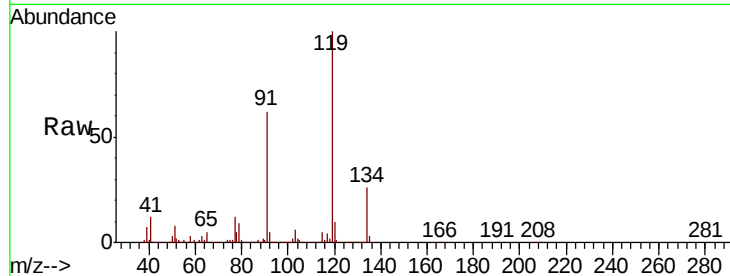
Tot Ion:119 Resp: 807461

Ion Ratio Lower Upper

119 100

91 61.9 30.8 92.4

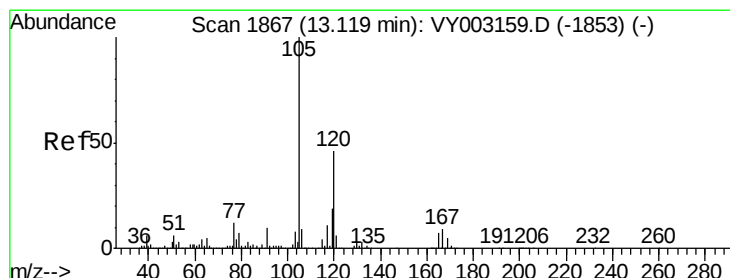
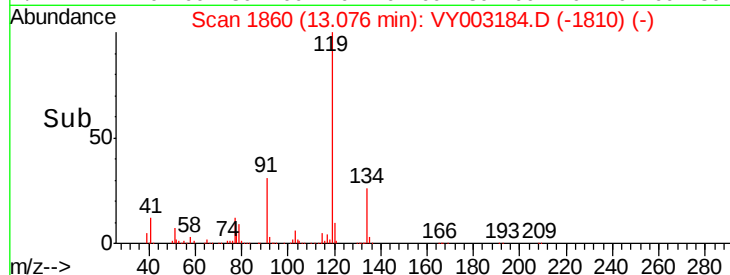
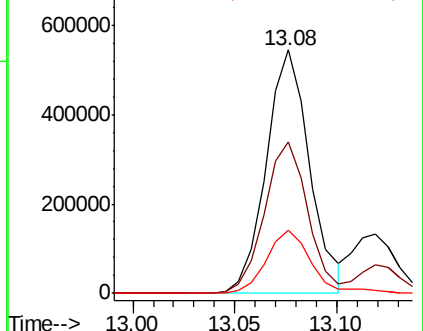
134 27.1 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.268 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003184.D

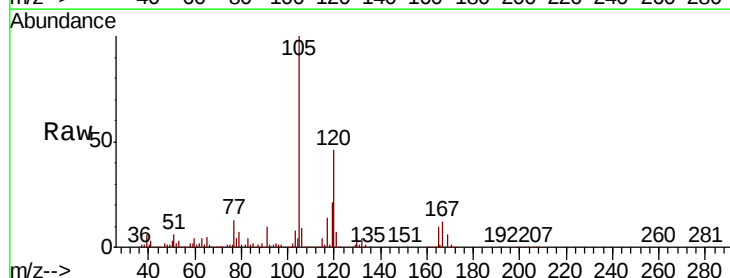
Acq: 13 Jul 2020 16:24

Tgt Ion:105 Resp: 930115

Ion Ratio Lower Upper

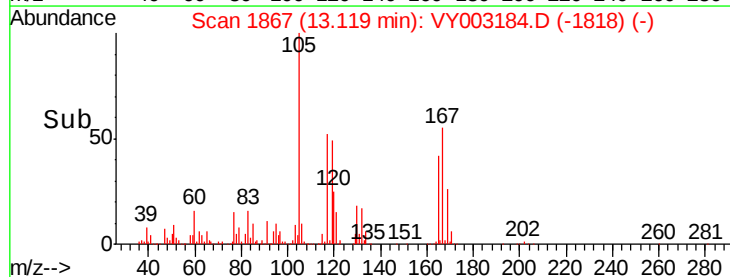
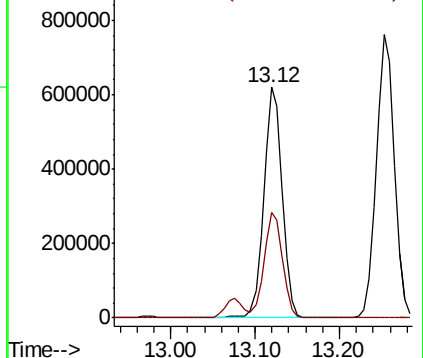
105 100

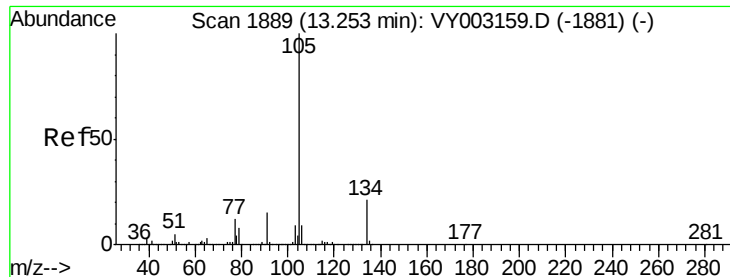
120 45.6 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.663 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

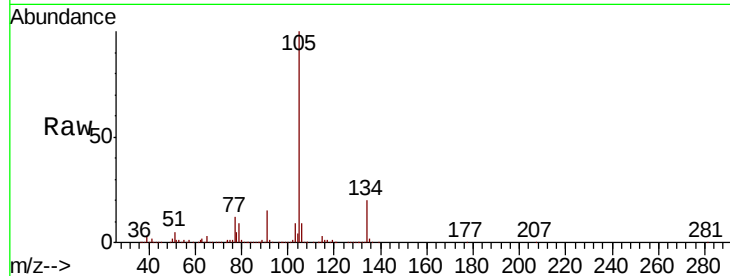
VSTDCCC050EC

Tot Ion:105 Resp: 1129722

Ion Ratio Lower Upper

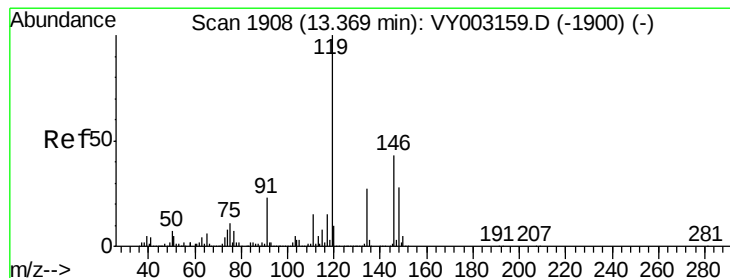
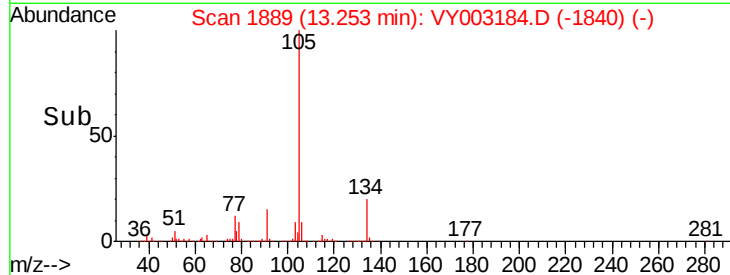
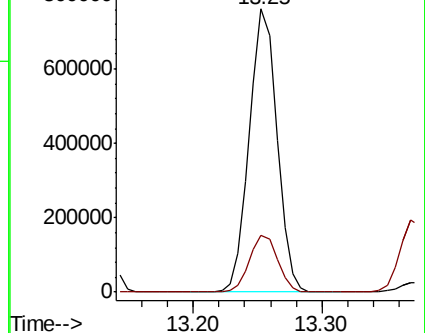
105 100

134 20.5 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.162 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

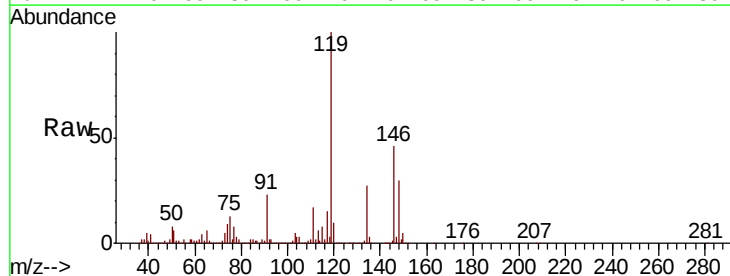
Tgt Ion:119 Resp: 1044601

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

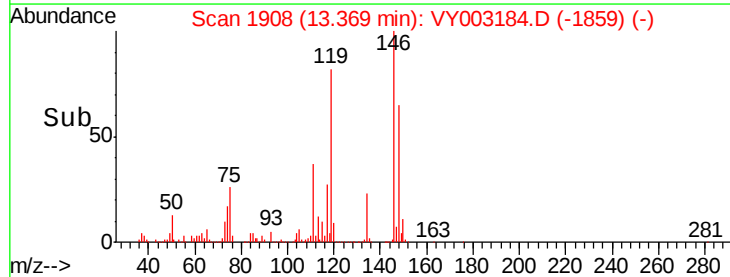
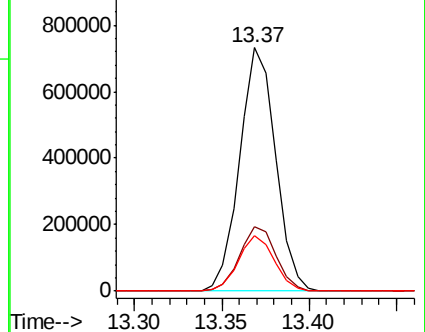
91 22.7 11.2 33.6

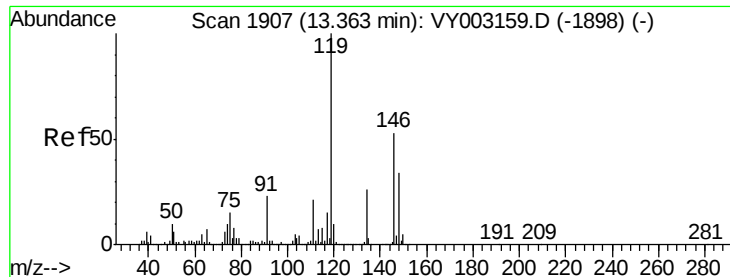


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 49.920 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

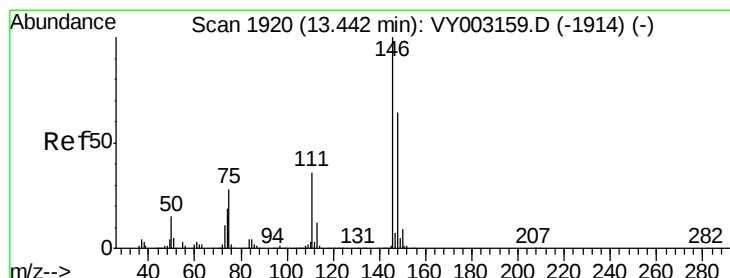
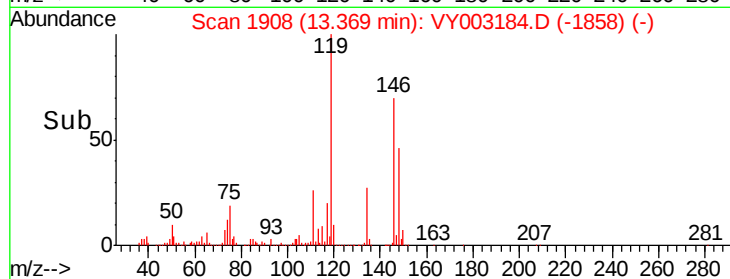
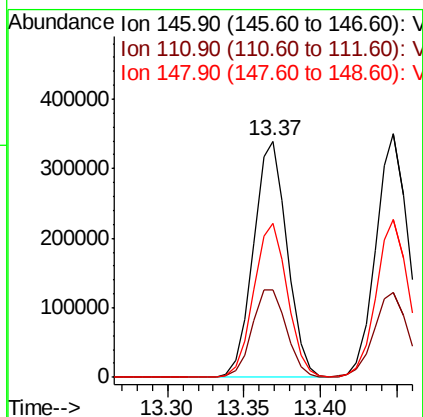
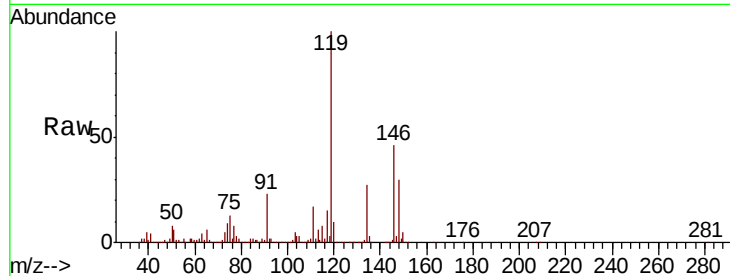
Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 520579

Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.3
148	65.2	32.3	96.9



#88

1,4-Dichlorobenzene

Concen: 49.908 ug/l

RT: 13.45 min Scan# 1921

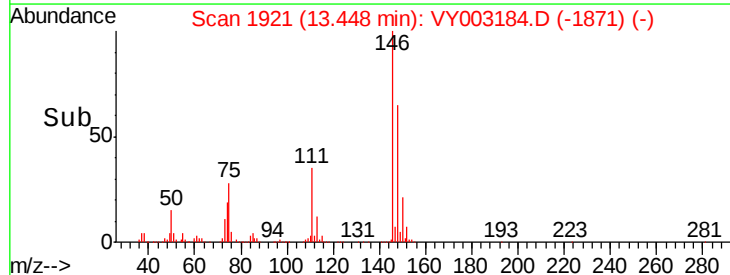
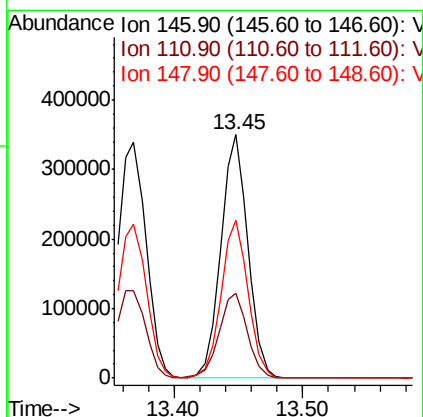
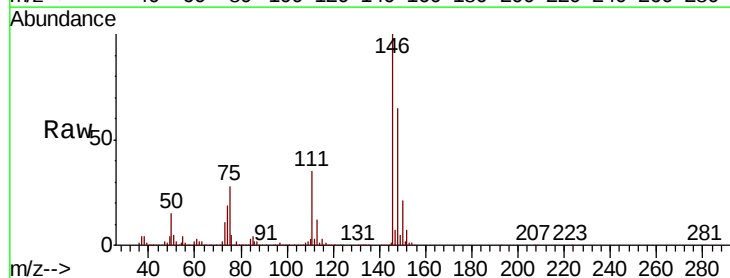
Delta R.T. 0.01 min

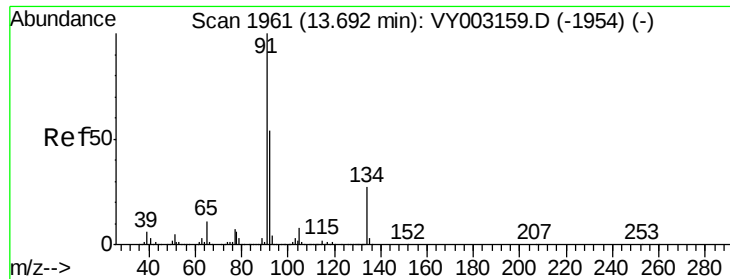
Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Tgt Ion:146 Resp: 515277

Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.0
148	65.0	32.0	96.0





#89

n-Butylbenzene

Concen: 51.584 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. 0.01 min

Lab File: VY003184.D

Acq: 13 Jul 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

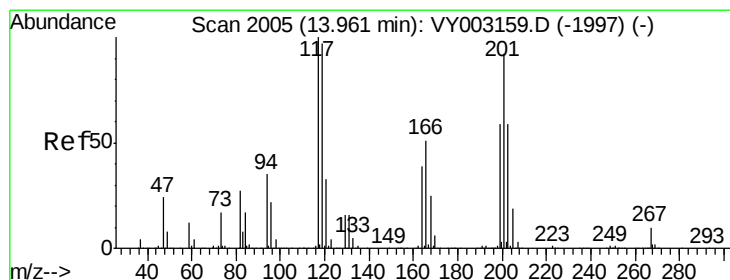
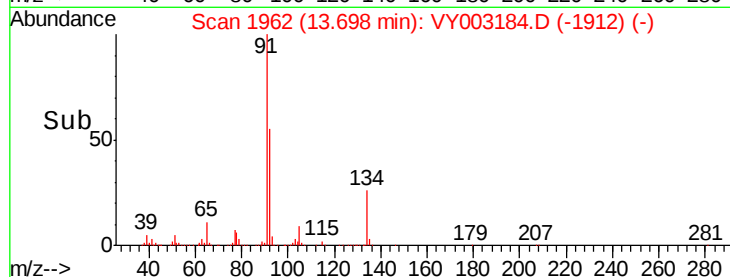
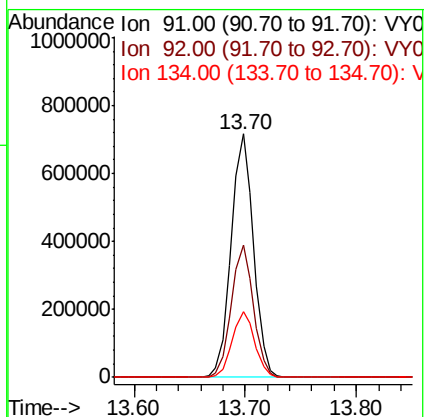
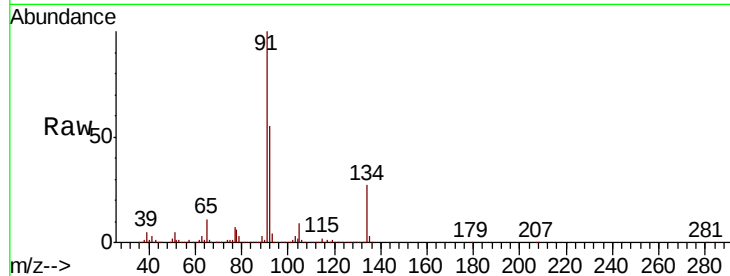
Tot Ion: 91 Resp: 990675

Ion Ratio Lower Upper

91 100

92 53.8 26.9 80.7

134 27.1 13.6 40.7



#90

Hexachloroethane

Concen: 52.033 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. -0.00 min

Lab File: VY003184.D

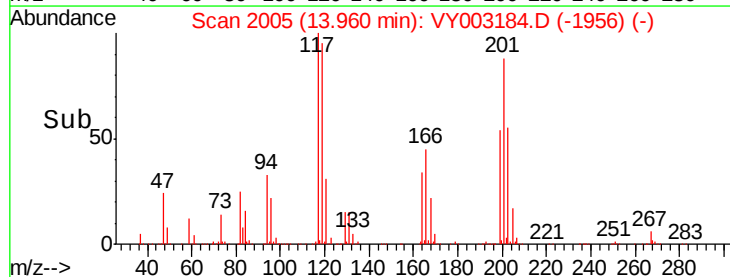
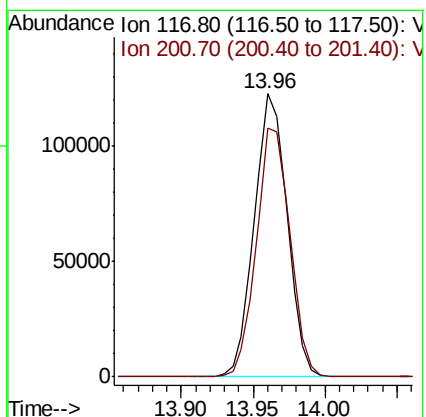
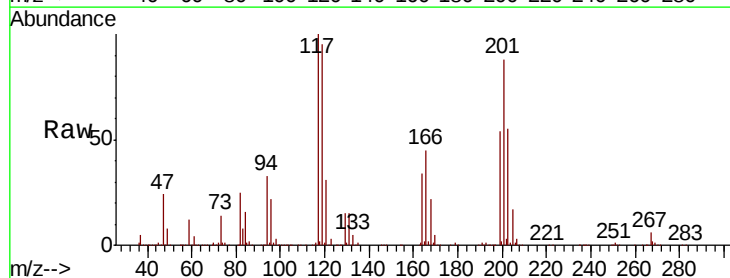
Acq: 13 Jul 2020 16:24

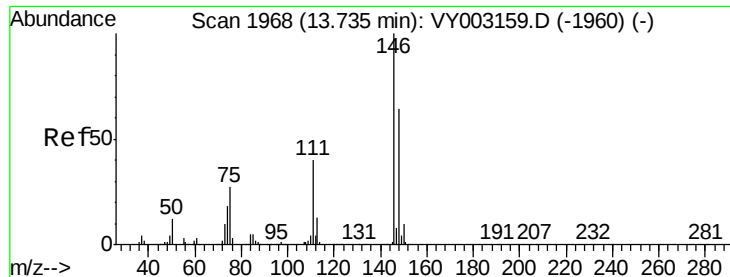
Tgt Ion: 117 Resp: 193473

Ion Ratio Lower Upper

117 100

201 89.9 45.1 135.3

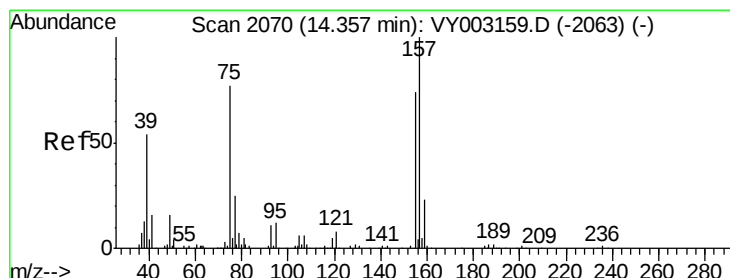
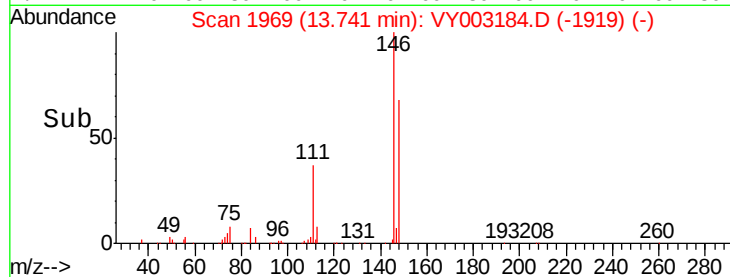
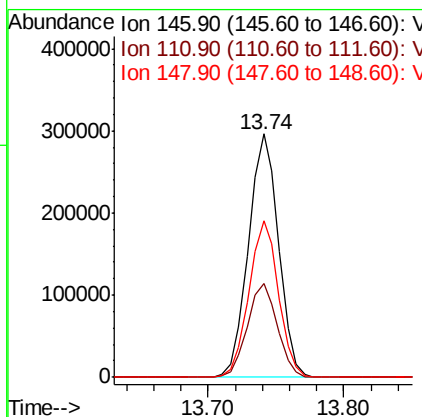
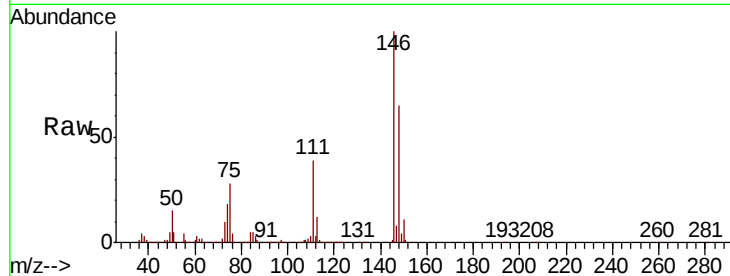




#91
 1,2-Dichlorobenzene
 Concen: 50.135 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

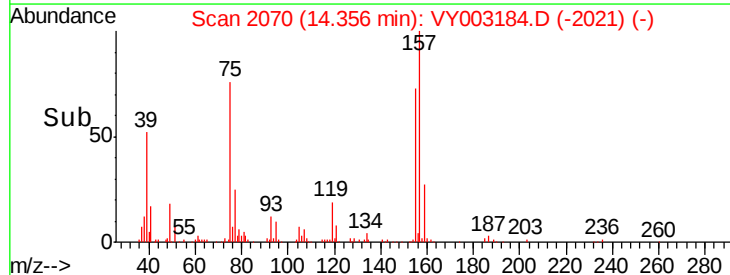
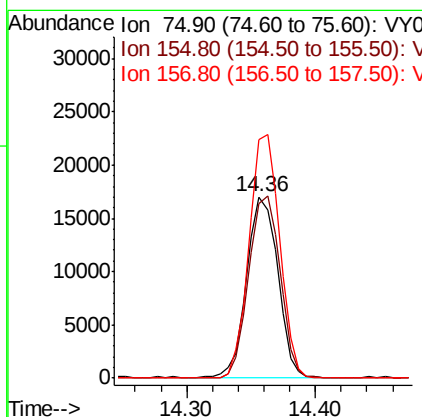
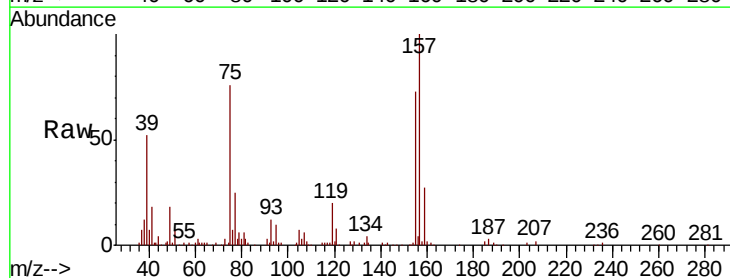
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

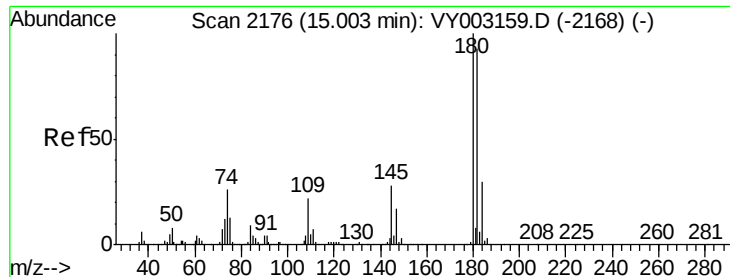
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.6	58.8
148	63.4	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.190 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.0	48.1	144.3
157	130.4	61.9	185.6

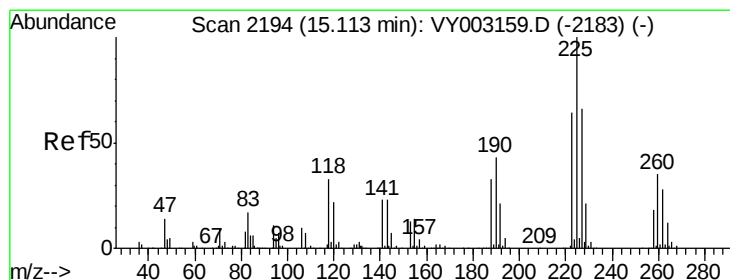
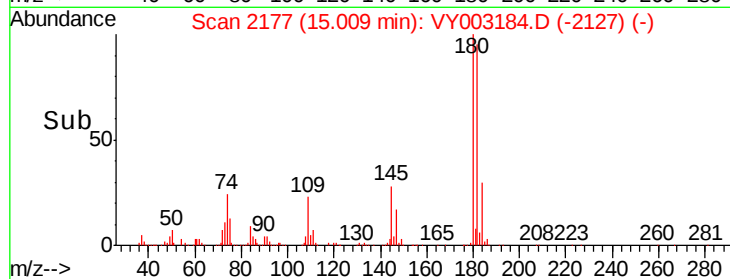
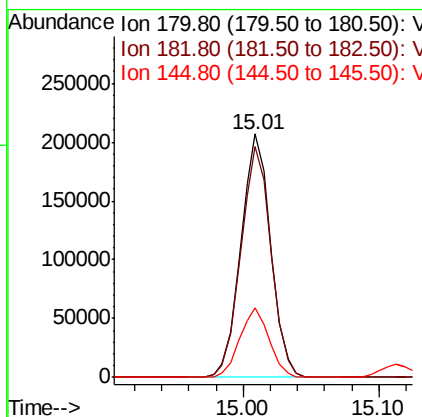
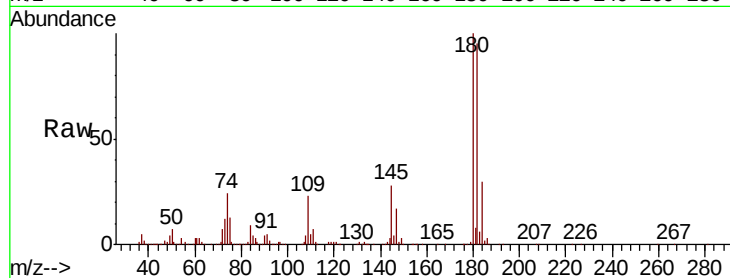




#93
 1,2,4-Trichlorobenzene
 Concen: 48.420 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

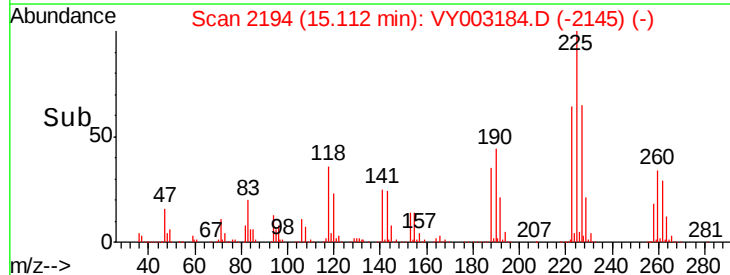
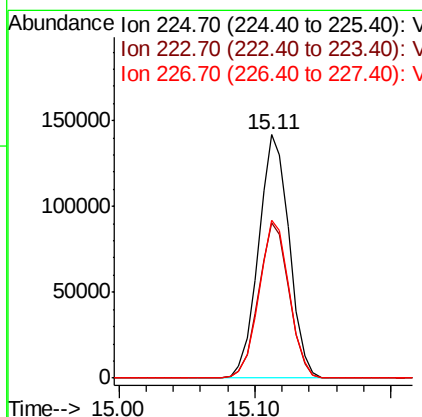
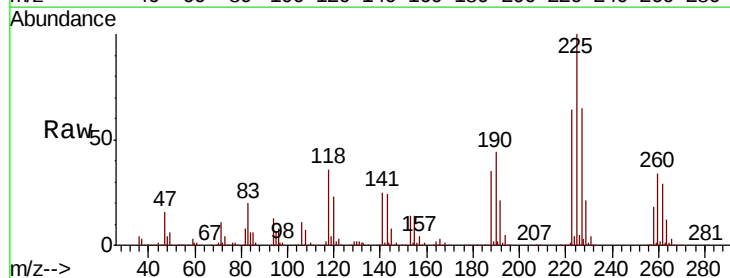
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

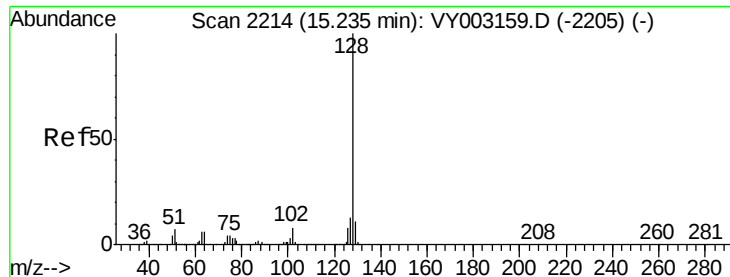
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	142.0
145	28.1	13.7	41.1



#94
 Hexachlorobutadiene
 Concen: 50.344 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY003184.D
 Acq: 13 Jul 2020 16:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.6	94.7
227	63.9	32.3	96.8

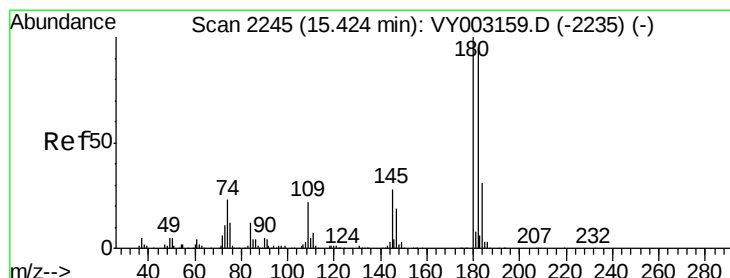
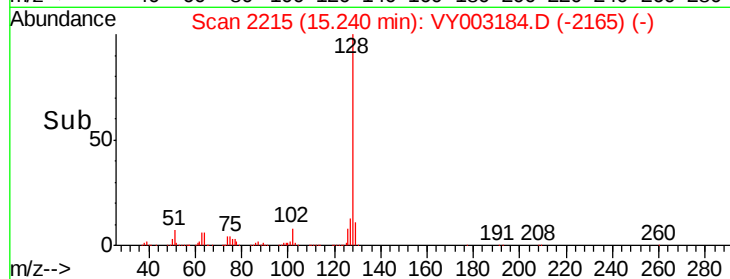
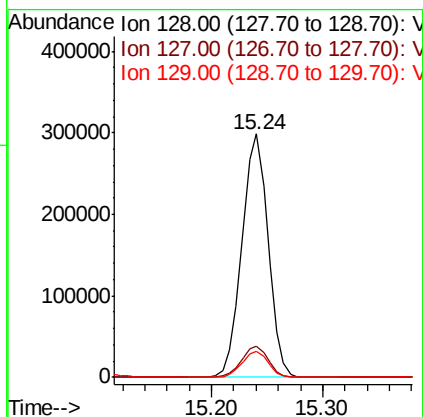
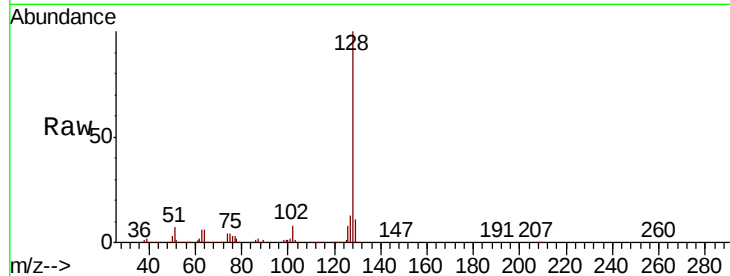




#95
Naphthalene
Concen: 45.392 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.01 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 488402
Ion Ratio Lower Upper
128 100
127 13.0 10.9 16.3
129 10.8 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 45.726 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.01 min
Lab File: VY003184.D
Acq: 13 Jul 2020 16:24

Tgt Ion:180 Resp: 235326
Ion Ratio Lower Upper
180 100
182 95.7 48.8 146.3
145 29.3 14.9 44.5

