

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120320\
 Data File : VY003650.D
 Acq On : 03 Dec 2020 16:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB37

Quant Time: Dec 04 00:18:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 25 06:01:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	229575	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	210728	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	112176	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	60748	24.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.04%
7) Chloroethane-d5	2.77	69	51245	21.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.32%
10) 1,1-Dichloroethene-d2	3.86	63	138673	22.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.68%
20) 2-Butanone-d5	6.90	46	69322	54.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.68%
24) Chloroform-d	7.49	84	141065	24.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.68%
26) 1,2-Dichloroethane-d4	8.15	65	77315	23.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.56%
29) Benzene-d6	8.12	84	292088	23.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.16%
33) 1,2-Dichloropropane-d6	9.12	67	88114	24.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.92%
37) Toluene-d8	10.18	98	265266	24.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.48%
38) trans-1,3-Dichloropropene-	10.44	79	41622	23.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.68%
39) 2-Hexanone-d5	10.79	63	53666	57.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.66%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	69900	22.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.16%
61) 1,2-Dichlorobenzene-d4	13.72	152	96793	26.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	66455	54.617	ug/L	96
3) Chloromethane	2.12	50	75701	29.559	ug/L	99
5) Vinyl chloride	2.26	62	80147	26.201	ug/L	99
6) Bromomethane	2.66	94	49409	20.810	ug/L	99
8) Chloroethane	2.80	64	50238	24.187	ug/L	100
9) Trichlorofluoromethane	3.14	101	125663	42.859	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	81758	26.891	ug/L	98
12) 1,1-Dichloroethene	3.88	96	76859	24.171	ug/L	96
13) Acetone	3.96	43	36810	40.185	ug/L	96
14) Carbon disulfide	4.20	76	261420	24.815	ug/L	98
15) Methyl Acetate	4.49	43	58254	25.056	ug/L	99
16) Methylene chloride	4.73	84	95656	24.304	ug/L	96
17) Methyl tert-butyl Ether	5.23	73	206652	41.595	ug/L #	89
18) trans-1,2-Dichloroethene	5.23	96	84999	25.364	ug/L	96
19) 1,1-Dichloroethane	6.03	63	144173	25.474	ug/L	99
21) 2-Butanone	7.00	43	69342	44.951	ug/L	99
22) cis-1,2-Dichloroethene	7.00	96	90984	26.434	ug/L	96

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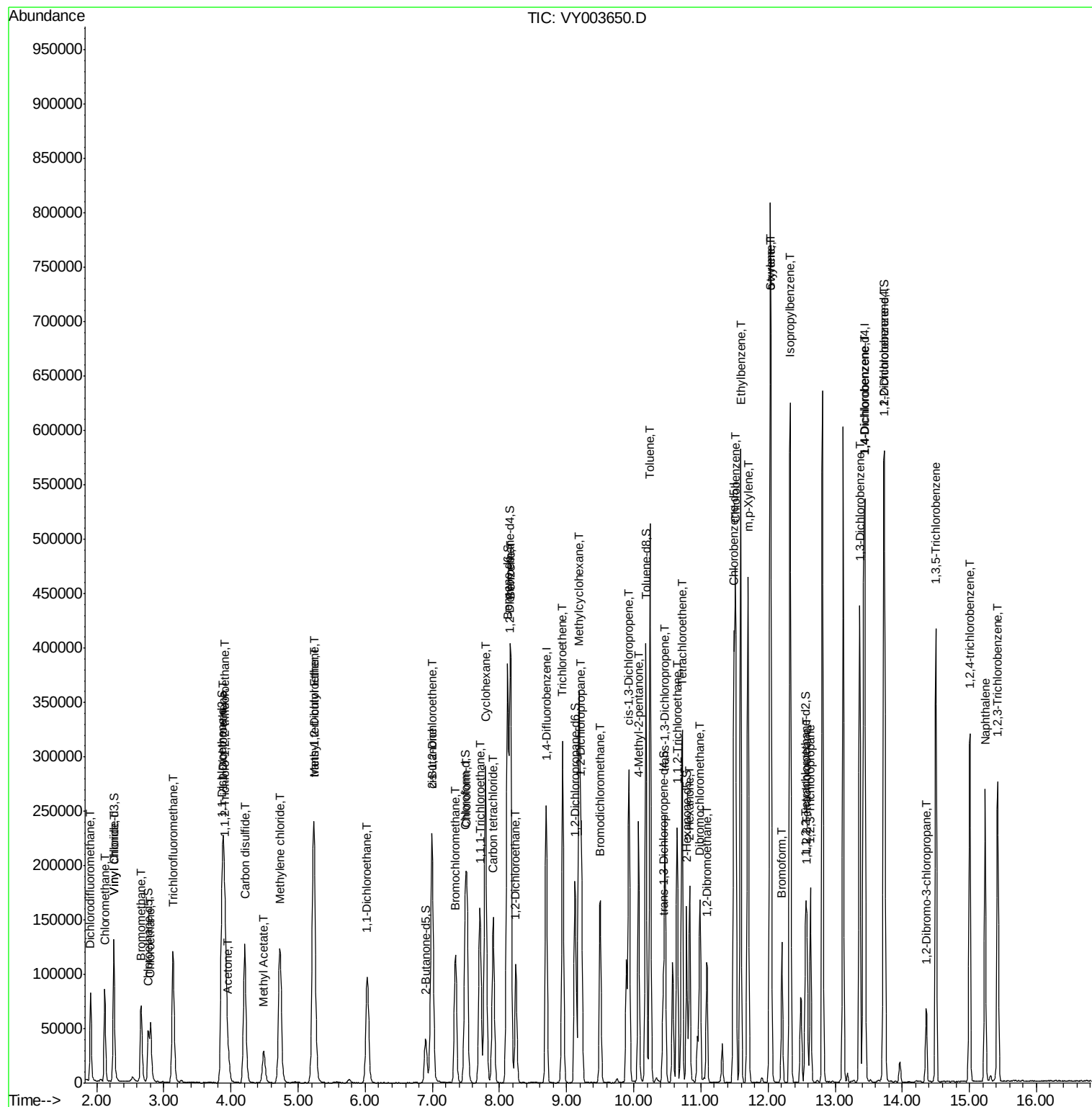
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	43866	26.319	ug/L	95
25) Chloroform	7.51	83	145675	25.885	ug/L	100
27) 1,2-Dichloroethane	8.24	62	94878	24.957	ug/L	97
30) Cyclohexane	7.79	56	137723	26.879	ug/L	98
31) 1,1,1-Trichloroethane	7.71	97	129352	28.215	ug/L	100
32) Carbon tetrachloride	7.91	117	115570	26.524	ug/L	99
34) Benzene	8.17	78	346919	26.099	ug/L	100
35) Trichloroethene	8.94	95	99086	29.437	ug/L	99
36) Methylcyclohexane	9.18	83	148261	28.175	ug/L	97
40) 1,2-Dichloropropane	9.22	63	87291	26.635	ug/L	100
41) Bromodichloromethane	9.50	83	108685	25.981	ug/L	98
42) cis-1,3-Dichloropropene	9.93	75	136108	26.335	ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	160473	58.518	ug/L	97
44) Toluene	10.25	91	368971	26.337	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	124272	26.105	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	71019	27.122	ug/L	98
47) Tetrachloroethene	10.72	164	72976	24.939	ug/L	98
49) 2-Hexanone	10.83	43	109666	50.629	ug/L	97
50) Dibromochloromethane	10.98	129	83916	26.578	ug/L	98
51) 1,2-Dibromoethane	11.09	107	69407	26.595	ug/L	100
52) Chlorobenzene	11.51	112	234269	26.181	ug/L	99
53) Ethylbenzene	11.59	91	396501	27.551	ug/L	99
54) m,p-Xylene	11.70	106	152650	27.556	ug/L	100
55) o-xylene	12.03	106	145883	31.547	ug/L	98
56) Styrene	12.04	104	252430	27.878	ug/L	99
57) Isopropylbenzene	12.33	105	387847	37.058	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	65422	21.177	ug/L #	96
59) 1,2,3-Trichloropropane	12.64	75	70140	29.166	ug/L	98
62) Bromoform	12.21	173	57311	25.171	ug/L	98
63) 1,3-Dichlorobenzene	13.37	146	179722	25.389	ug/L	99
64) 1,4-Dichlorobenzene	13.45	146	182486	25.035	ug/L	100
65) 1,2-Dichlorobenzene	13.74	146	165572	28.400	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	15227	30.685	ug/L	94
67) 1,3,5-Trichlorobenzene	14.50	180	123776	32.961	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	101771	31.460	ug/L	99
69) Naphthalene	15.23	128	216349	37.916	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	90761	37.115	ug/L	98

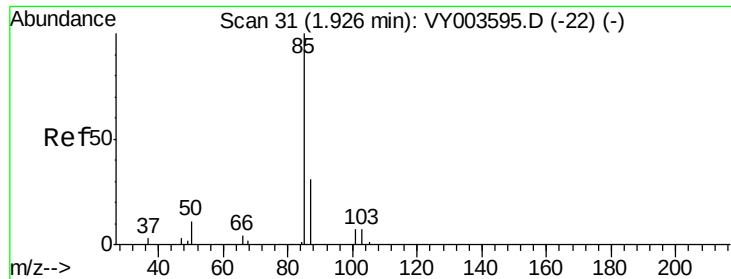
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 54.617 ug/L

RT: 1.91 min Scan# 15

Delta R.T. -0.01 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

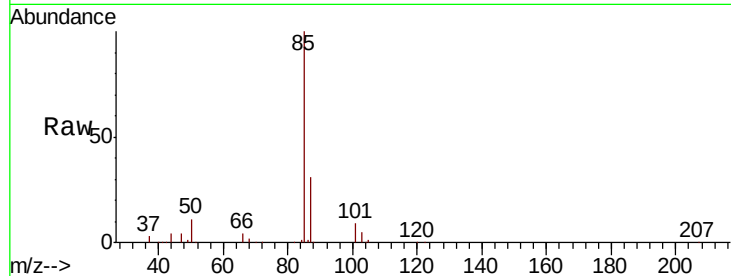
BFB37

Tot Ion: 85 Resp: 66455

Ion Ratio Lower Upper

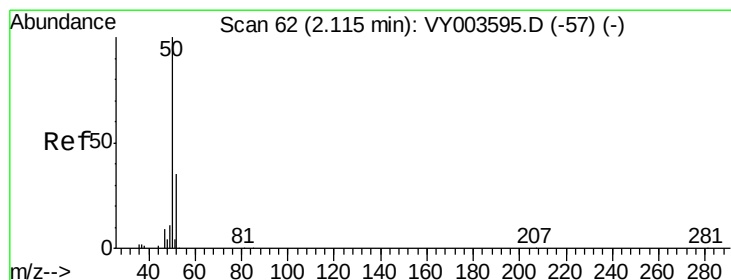
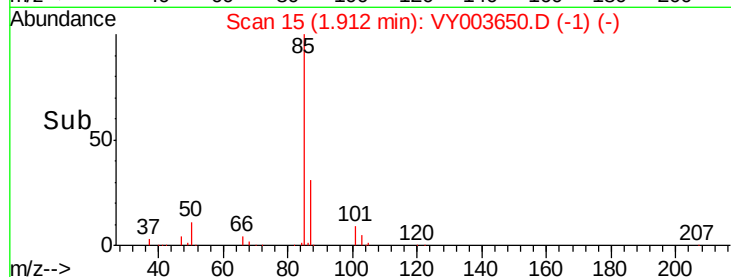
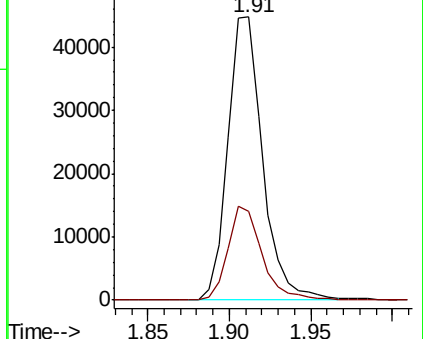
85 100

87 32.7 21.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 29.559 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003650.D

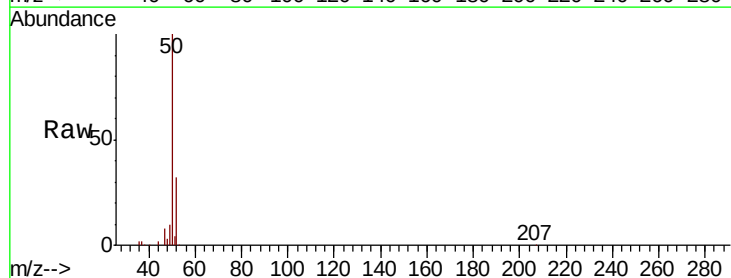
Acq: 03 Dec 2020 16:06

Tgt Ion: 50 Resp: 75701

Ion Ratio Lower Upper

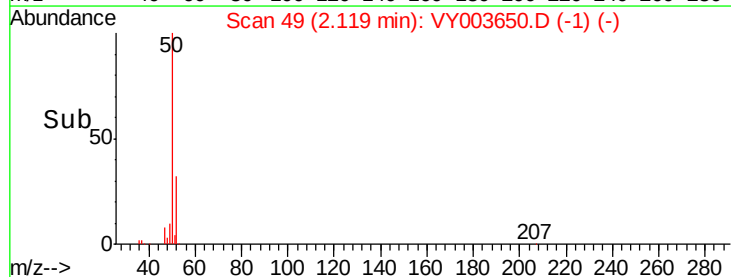
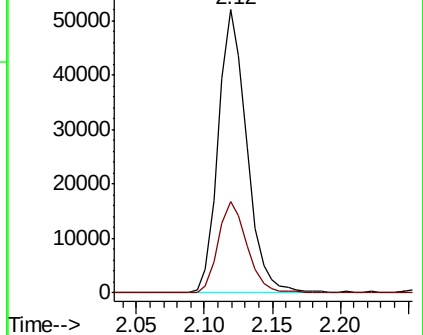
50 100

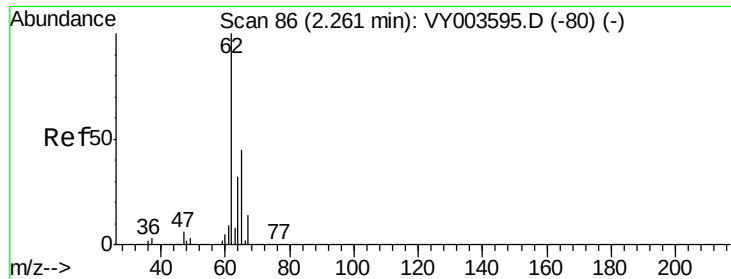
52 32.4 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 26.201 ug/L

RT: 2.26 min Scan# 72

Delta R.T. -0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampled :

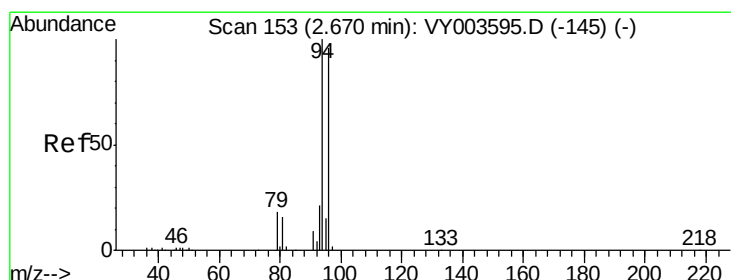
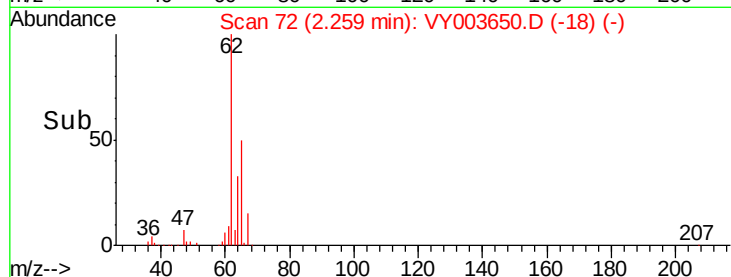
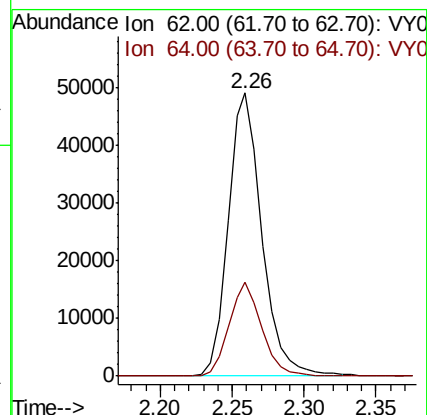
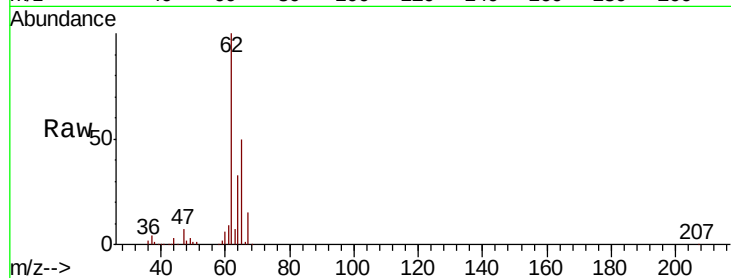
BFB37

Tot Ion: 62 Resp: 80147

Ion Ratio Lower Upper

62 100

64 33.2 22.7 42.1



#6

Bromomethane

Concen: 20.810 ug/L

RT: 2.66 min Scan# 138

Delta R.T. -0.01 min

Lab File: VY003650.D

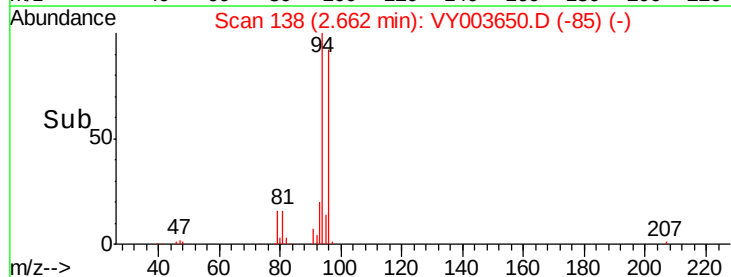
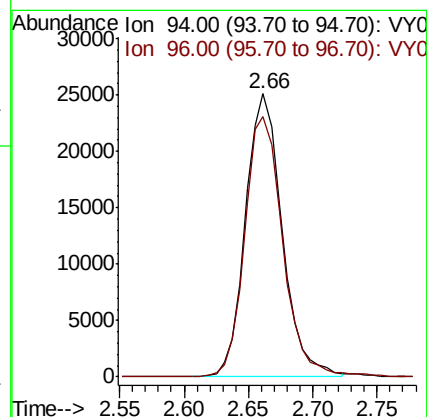
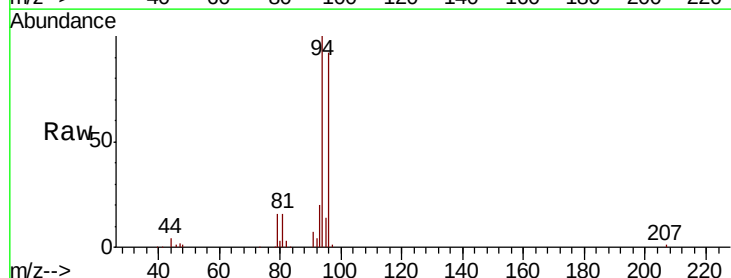
Acq: 03 Dec 2020 16:06

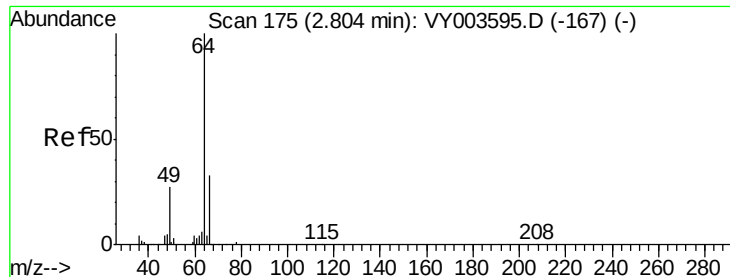
Tgt Ion: 94 Resp: 49409

Ion Ratio Lower Upper

94 100

96 95.3 9.4 178.6





#8

Chloroethane

Concen: 24.187 ug/L

RT: 2.80 min Scan# 161

Delta R.T. -0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampled :

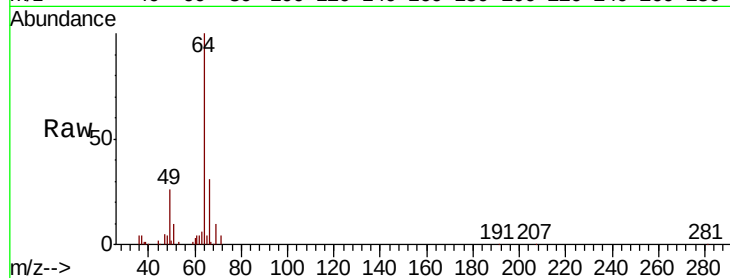
BFB37

Tot Ion: 64 Resp: 50238

Ion Ratio Lower Upper

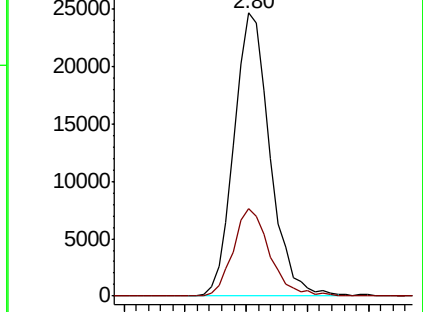
64 100

66 31.1 21.8 40.6

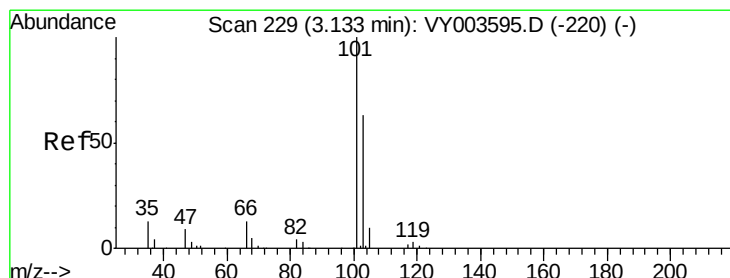
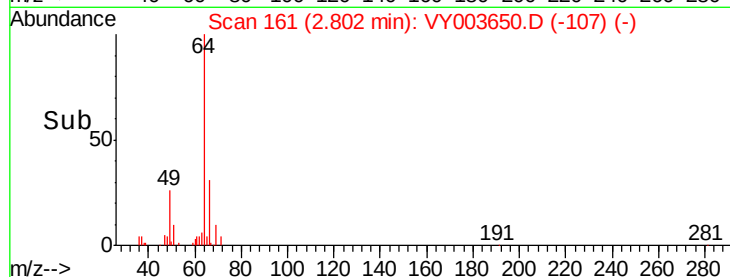


Abundance Ion 64.00 (63.70 to 64.70): VY003650.D (-167) (-)

Ion 66.00 (65.70 to 66.70): VY003650.D (-167) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 42.859 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.00 min

Lab File: VY003650.D

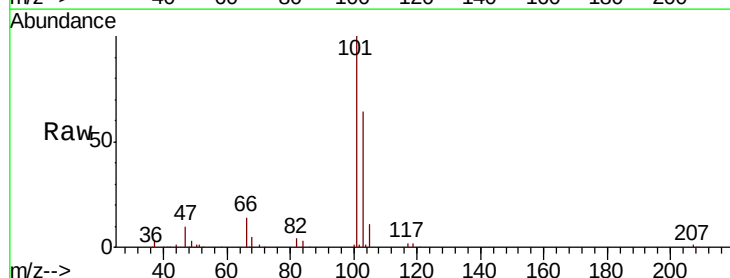
Acq: 03 Dec 2020 16:06

Tgt Ion: 101 Resp: 125663

Ion Ratio Lower Upper

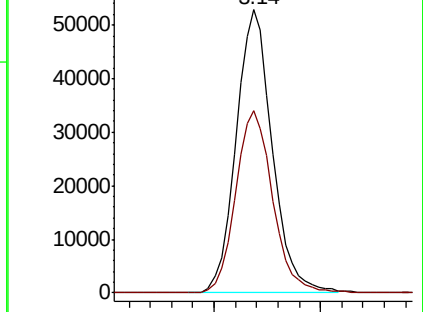
101 100

103 65.9 45.6 84.6

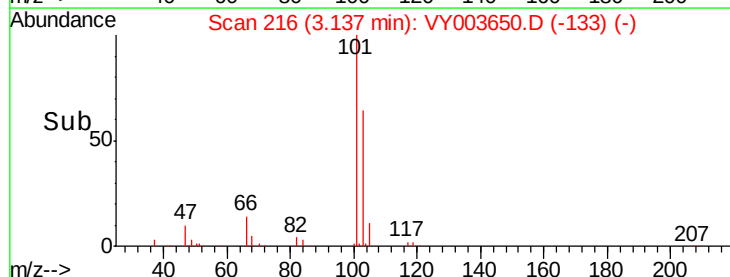


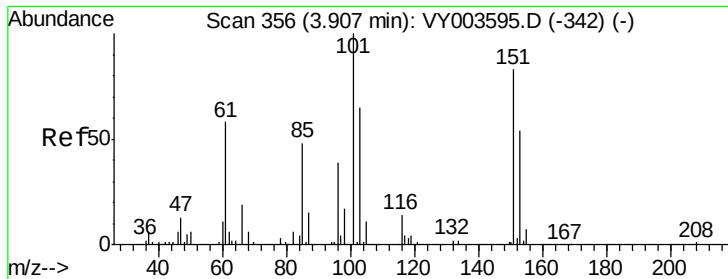
Abundance Ion 101.00 (100.70 to 101.70): VY003650.D (-220) (-)

Ion 103.00 (102.70 to 103.70): VY003650.D (-220) (-)



Time-->





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 26.891 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

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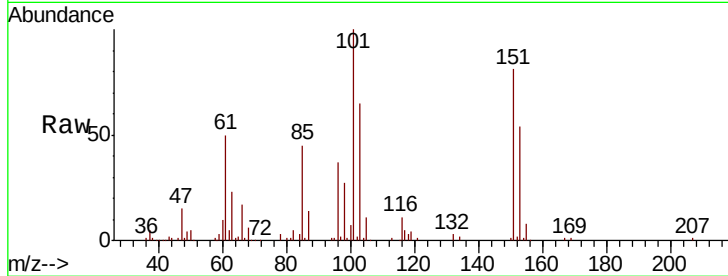
Tot Ion:101 Resp: 81758

Ion Ratio Lower Upper

101 100

85 43.0 35.0 52.4

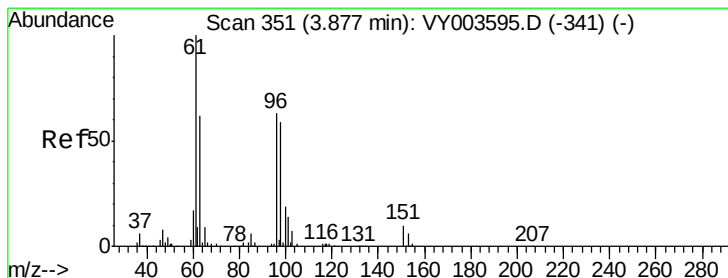
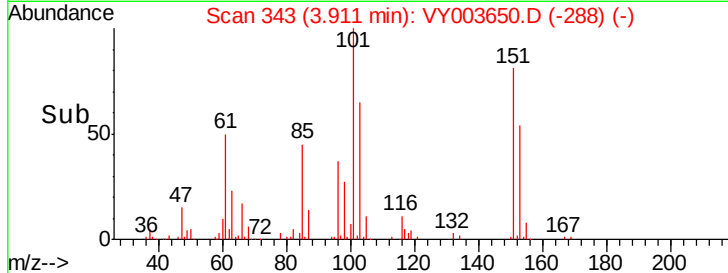
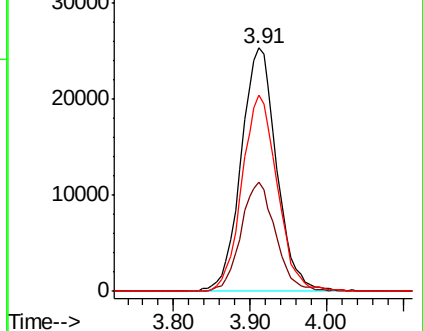
151 79.5 65.4 98.0



Abundance Ion 101.00 (100.70 to 101.70): VY003650.D (-288) (-)

Ion 85.00 (84.70 to 85.70): VY003650.D (-288) (-)

Ion 151.00 (150.70 to 151.70): VY003650.D (-288) (-)



#12

1,1-Dichloroethene

Concen: 24.171 ug/L

RT: 3.88 min Scan# 338

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

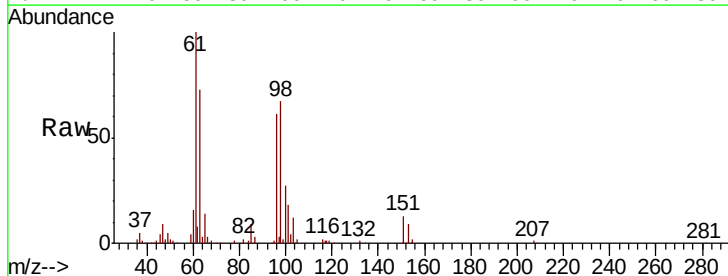
Tgt Ion: 96 Resp: 76859

Ion Ratio Lower Upper

96 100

61 164.8 116.6 216.6

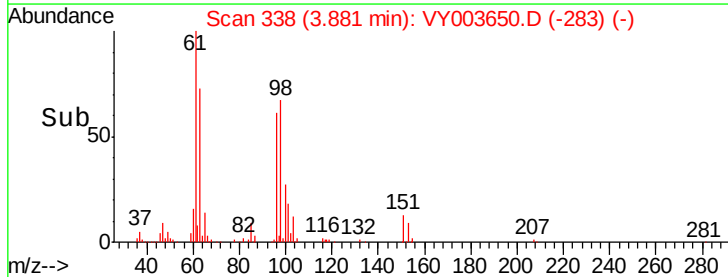
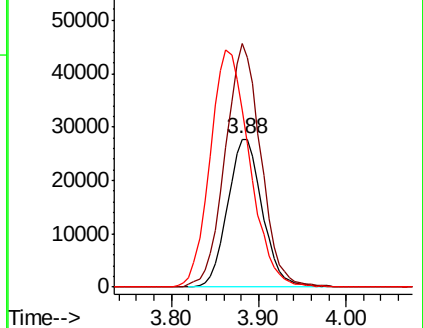
63 120.0 77.5 143.9

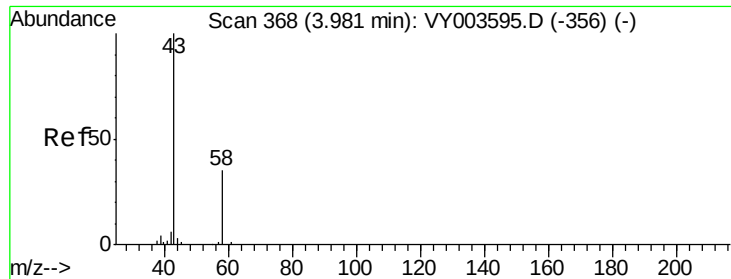


Abundance Ion 96.00 (95.70 to 96.70): VY003650.D (-283) (-)

Ion 61.00 (60.70 to 61.70): VY003650.D (-283) (-)

Ion 63.00 (62.70 to 63.70): VY003650.D (-283) (-)





#13

Acetone

Concen: 40.185 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.02 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

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ClientSampleId :

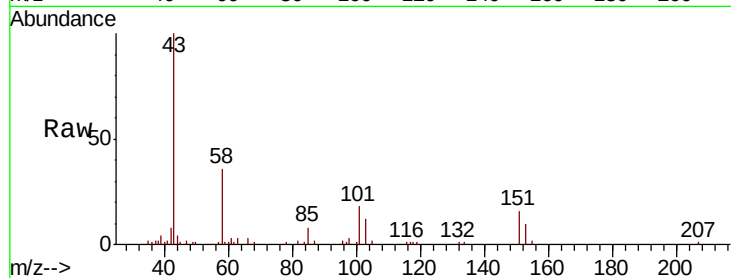
BFB37

Tot Ion: 43 Resp: 36810

Ion Ratio Lower Upper

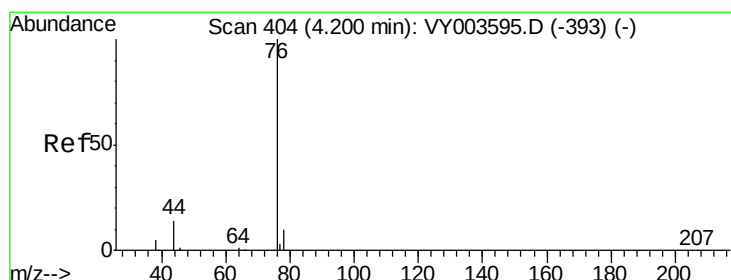
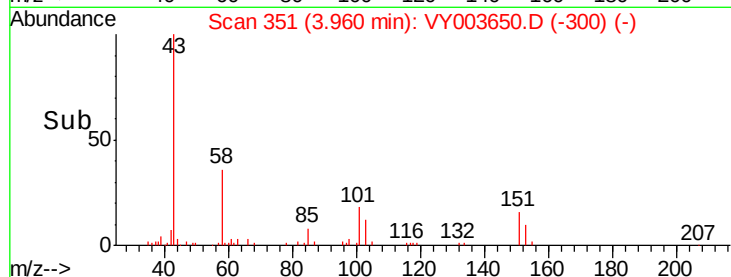
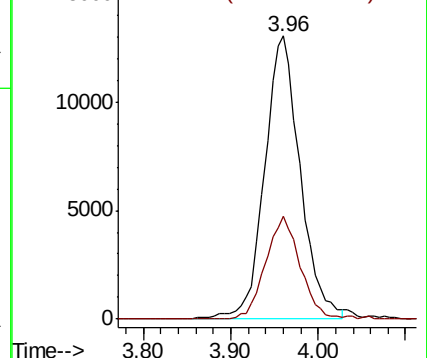
43 100

58 35.1 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 24.815 ug/L

RT: 4.20 min Scan# 391

Delta R.T. 0.00 min

Lab File: VY003650.D

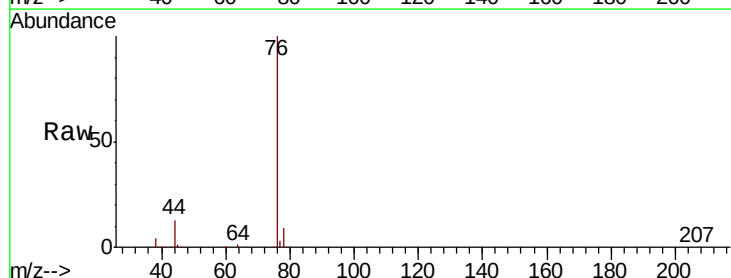
Acq: 03 Dec 2020 16:06

Tgt Ion: 76 Resp: 261420

Ion Ratio Lower Upper

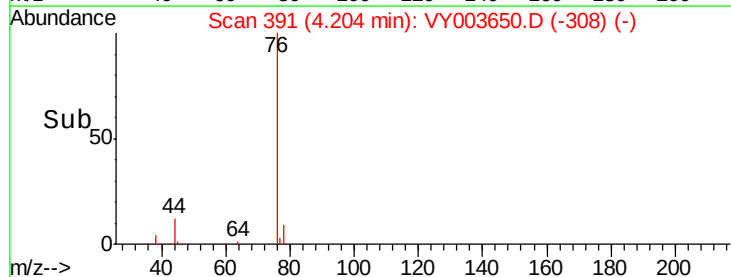
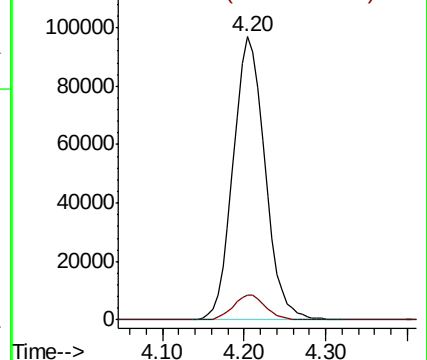
76 100

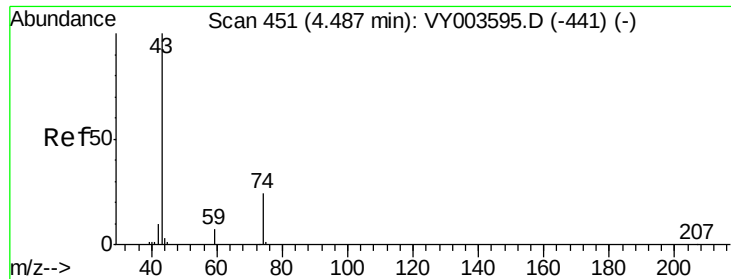
78 8.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

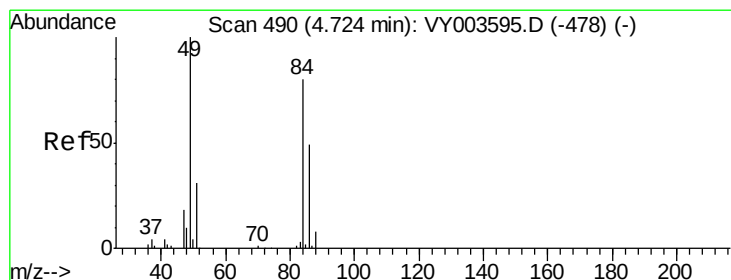
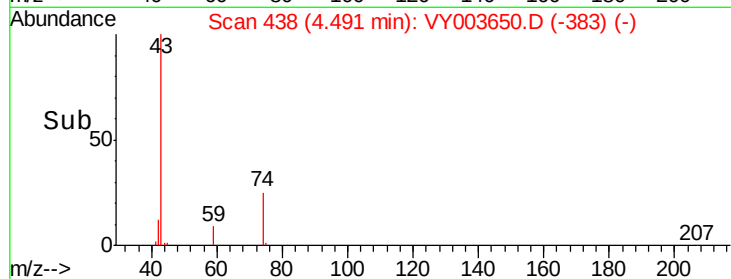
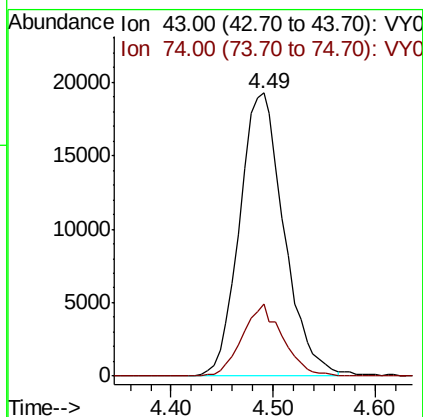
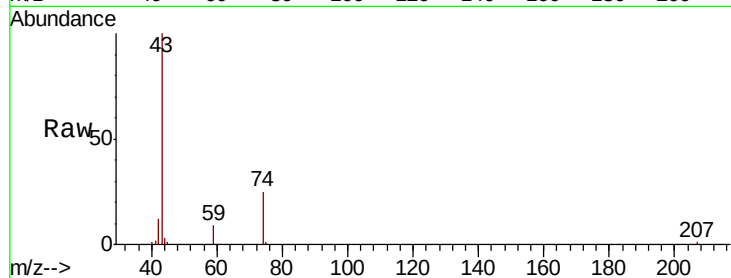




#15
Methvl Acetate
Concen: 25.056 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.00 min
Lab File: VY003650.D
Acq: 03 Dec 2020 16:06

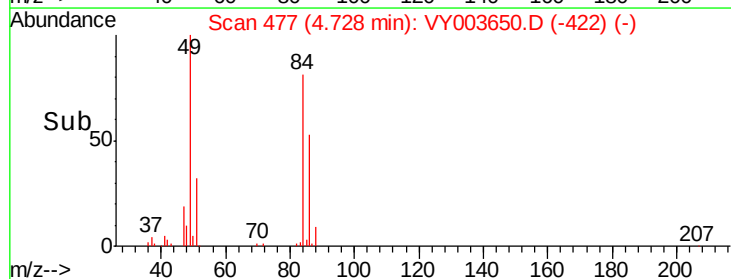
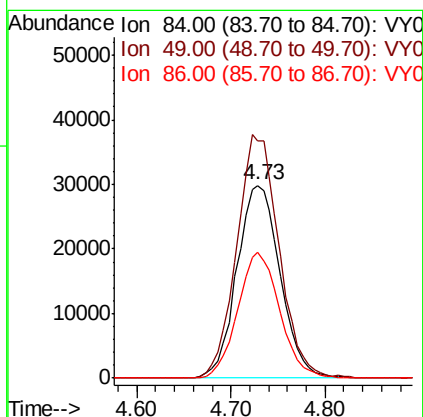
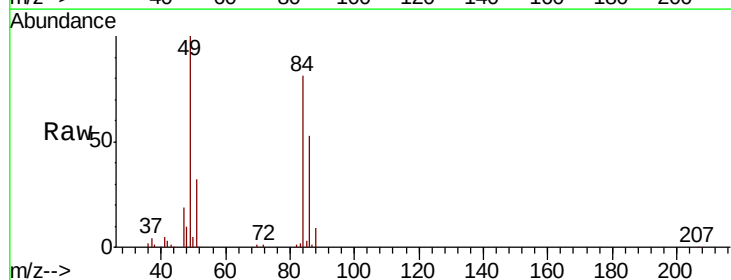
Instrument :
MSVOA_Y
ClientSampleId :
BFB37

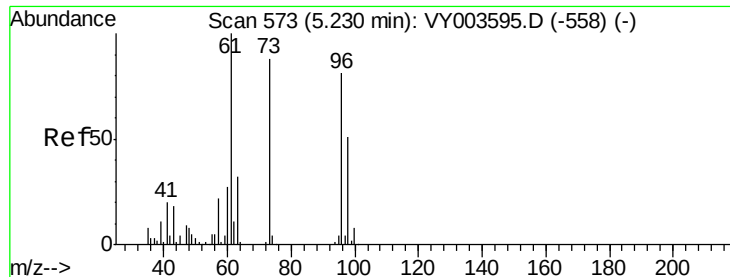
Tot Ion: 43 Resp: 58254
Ion Ratio Lower Upper
43 100
74 23.2 18.2 27.2



#16
Methylene chloride
Concen: 24.304 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003650.D
Acq: 03 Dec 2020 16:06

Tgt Ion: 84 Resp: 95656
Ion Ratio Lower Upper
84 100
49 123.2 90.3 167.7
86 64.9 44.7 83.1

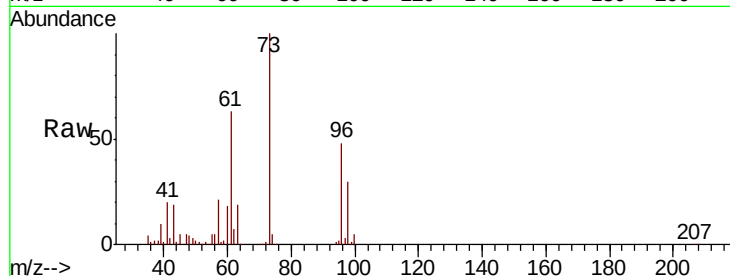




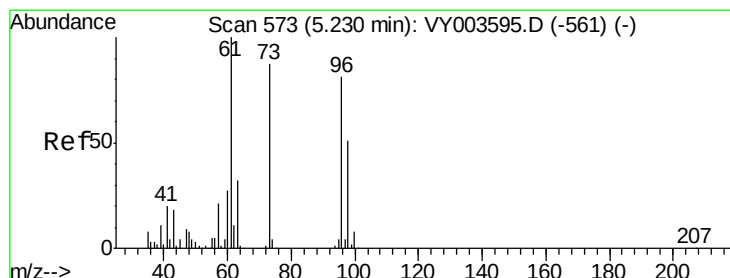
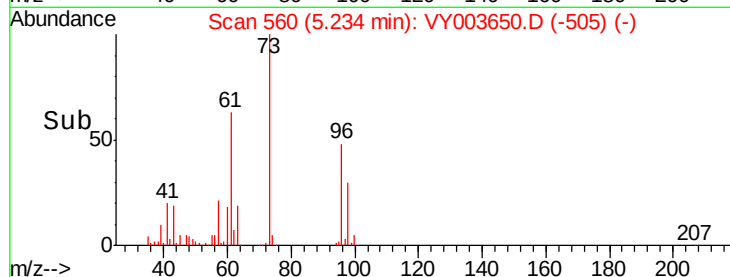
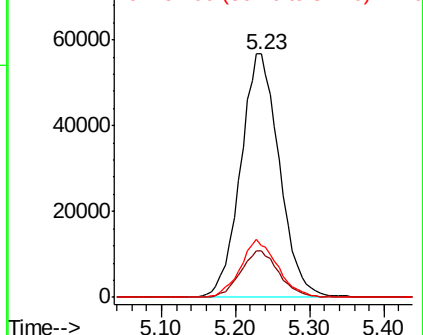
#17
Methyl tert-butyl Ether
Concen: 41.595 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003650.D
Acq: 03 Dec 2020 16:06

Instrument :
MSVOA_Y
ClientSampled :
BFB37

Tot Ion: 73 Resp: 206652
Ion Ratio Lower Upper
73 100
43 19.0 15.9 23.9
57 22.7 10.5 15.7#

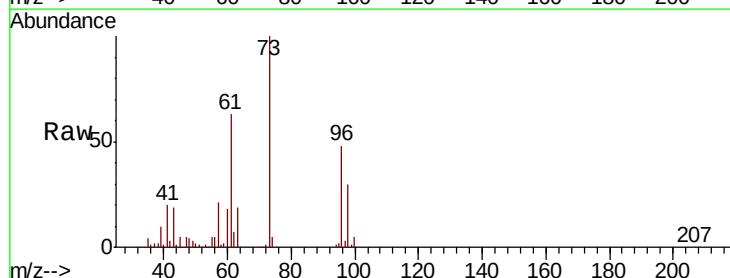


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

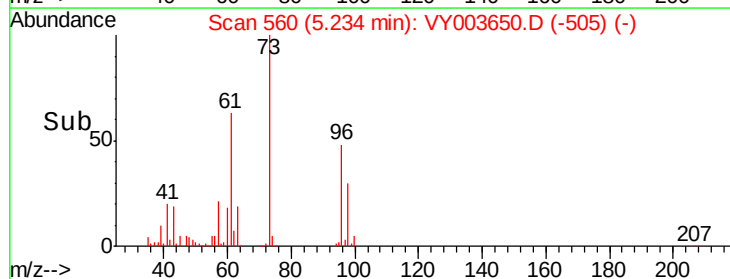
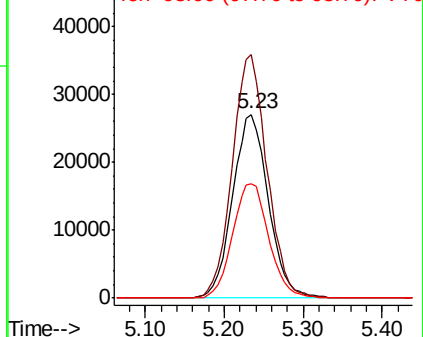


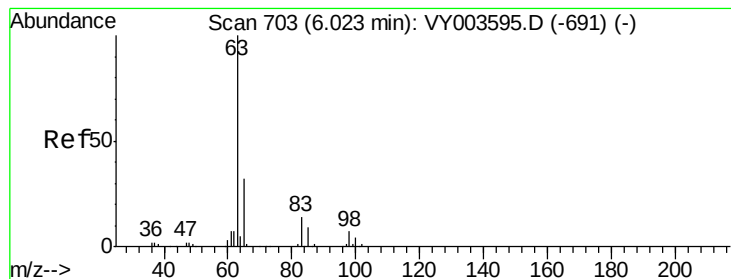
#18
trans-1,2-Dichloroethene
Concen: 25.364 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003650.D
Acq: 03 Dec 2020 16:06

Tgt Ion: 96 Resp: 84999
Ion Ratio Lower Upper
96 100
61 132.7 90.8 168.6
98 62.5 46.8 87.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0





#19

1,1-Dichloroethane

Concen: 25.474 ug/L

RT: 6.03 min Scan# 690

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

BFB37

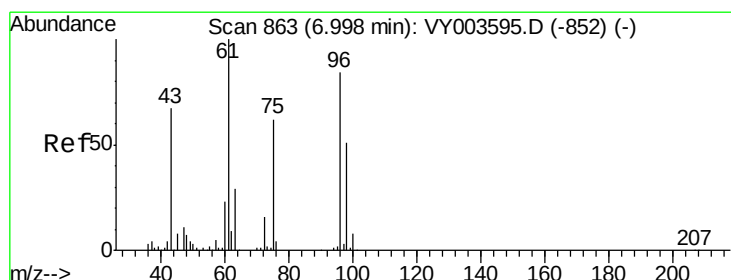
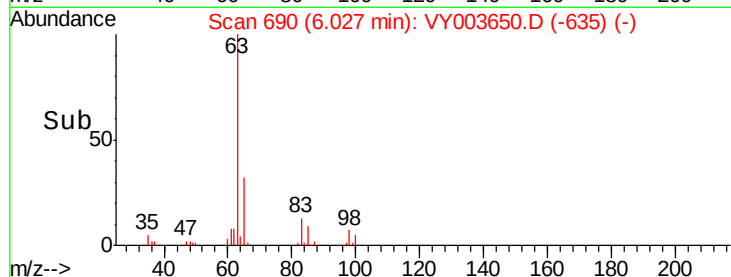
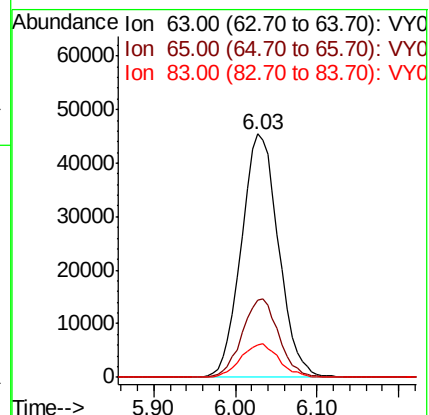
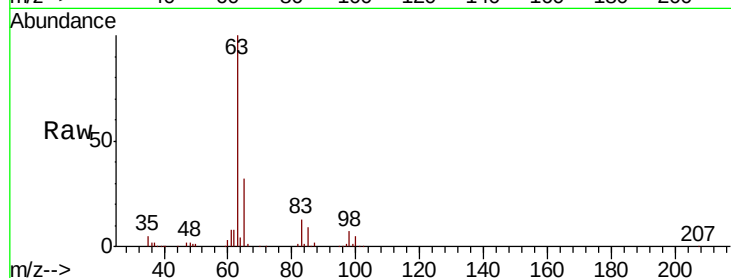
Tot Ion: 63 Resp: 144173

Ion Ratio Lower Upper

63 100

65 31.7 22.0 40.8

83 13.1 9.9 18.5



#21

2-Butanone

Concen: 44.951 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VY003650.D

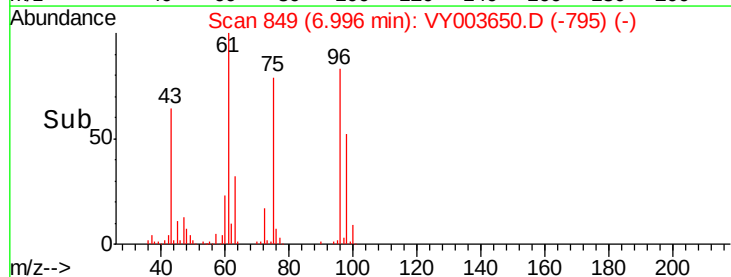
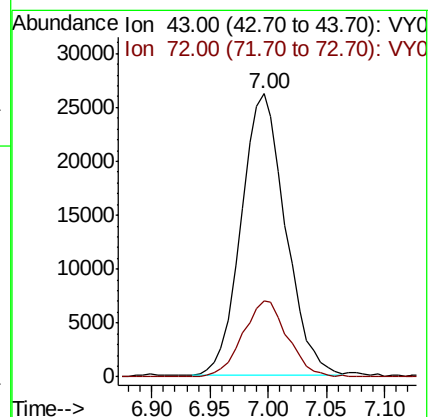
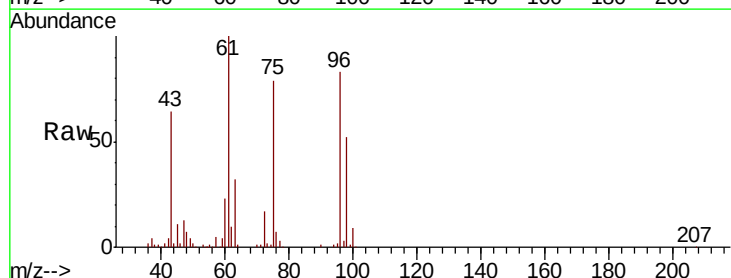
Acq: 03 Dec 2020 16:06

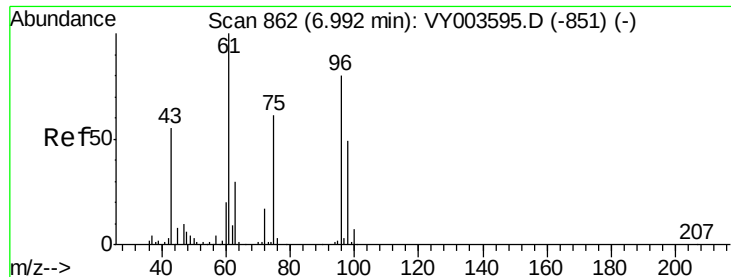
Tgt Ion: 43 Resp: 69342

Ion Ratio Lower Upper

43 100

72 27.1 13.2 39.6



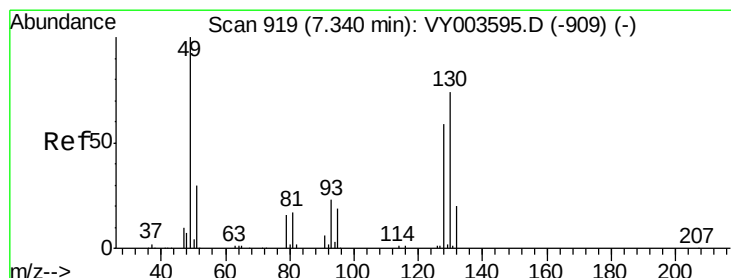
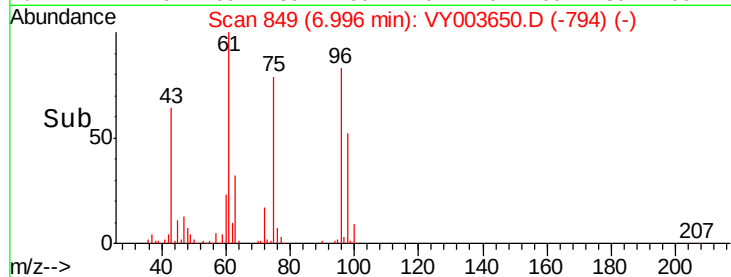
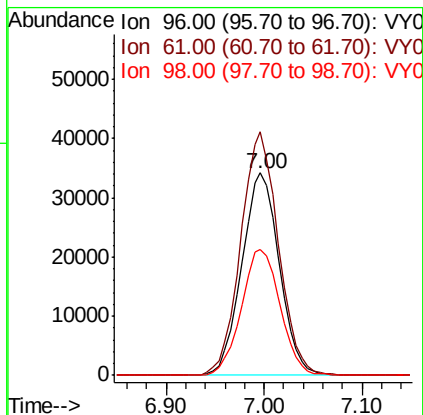
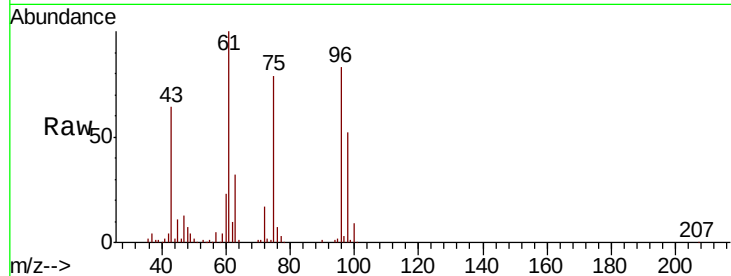


#22

cis-1,2-Dichloroethene
 Concen: 26.434 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003650.D
 Acq: 03 Dec 2020 16:06

Instrument :
 MSVOA_Y
 ClientSampled :
 BFB37

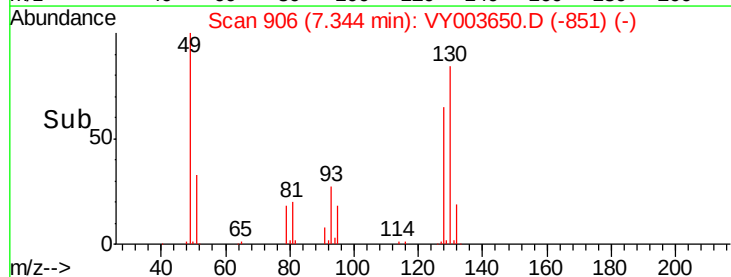
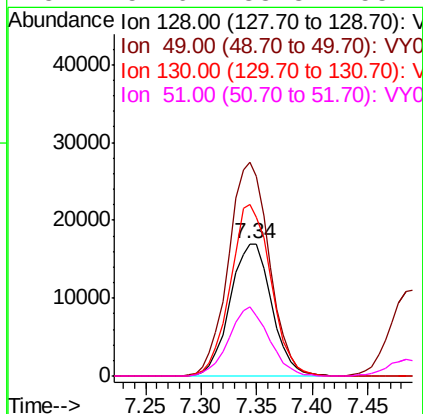
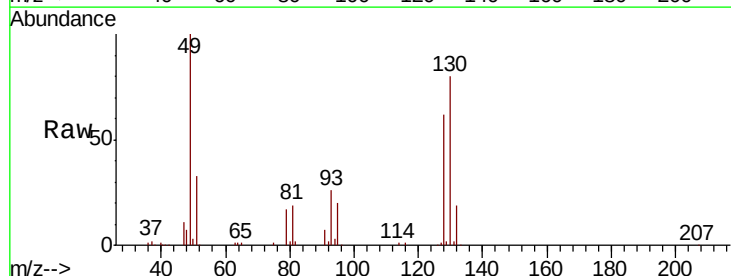
Tot Ion	96	Resp	90984
Ion	Ratio	Lower	Upper
96	100		
61	120.3	88.1	163.5
98	62.3	45.6	84.6

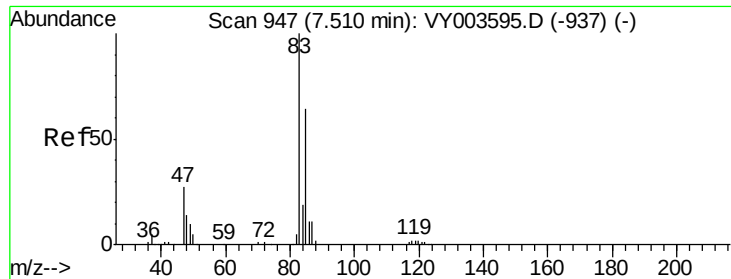


#23

Bromochloromethane
 Concen: 26.319 ug/L
 RT: 7.34 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: VY003650.D
 Acq: 03 Dec 2020 16:06

Tgt Ion	128	Resp	43866
Ion	Ratio	Lower	Upper
128	100		
49	161.7	107.3	199.3
130	129.8	89.3	165.9
51	52.6	38.8	58.2

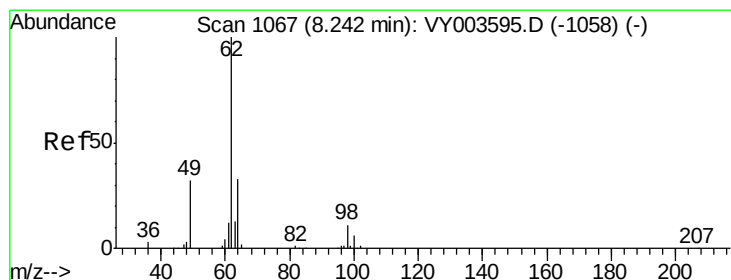
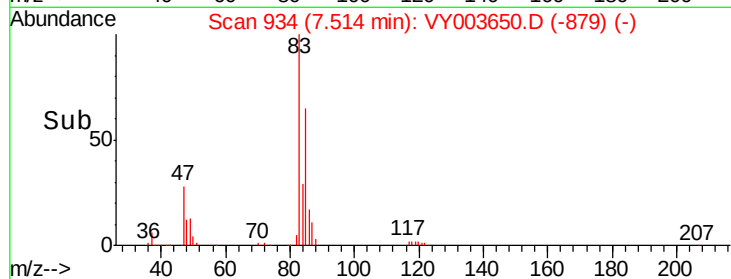
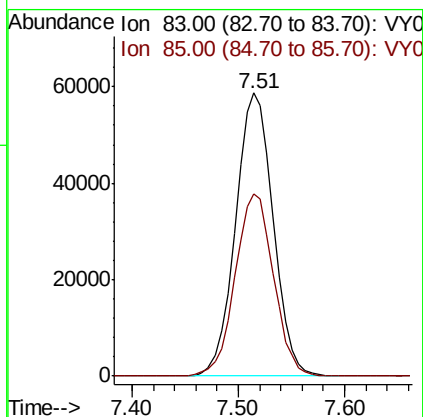
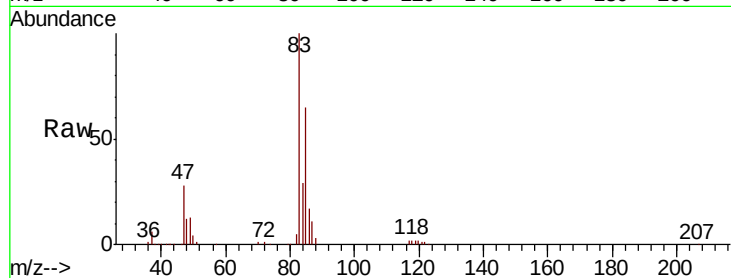




#25
Chloroform
Concen: 25.885 ug/L
RT: 7.51 min Scan# 934
Delta R.T. 0.00 min
Lab File: VY003650.D
Acq: 03 Dec 2020 16:06

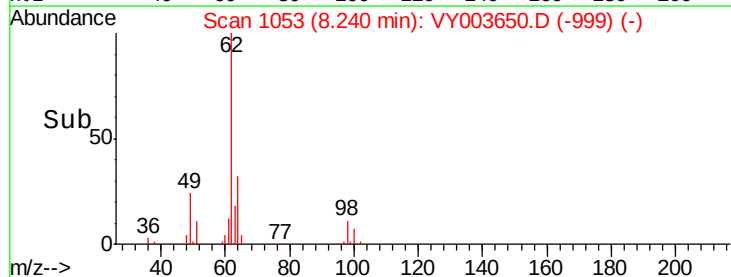
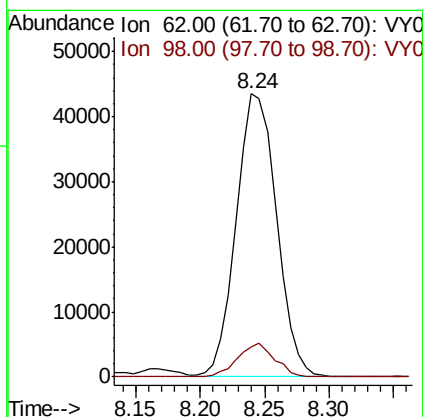
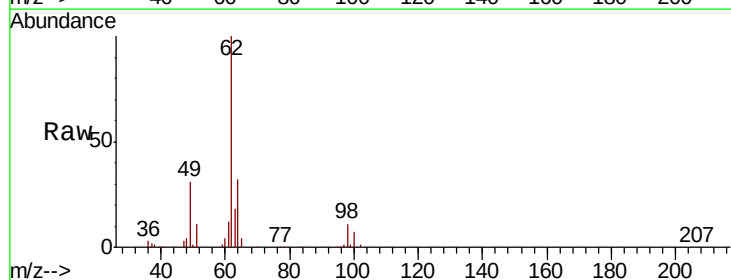
Instrument :
MSVOA_Y
ClientSampled :
BFB37

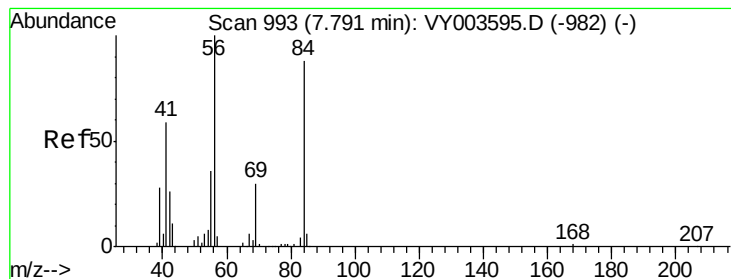
Tot Ion: 83 Resp: 145675
Ion Ratio Lower Upper
83 100
85 65.7 46.2 85.8



#27
1,2-Dichloroethane
Concen: 24.957 ug/L
RT: 8.24 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VY003650.D
Acq: 03 Dec 2020 16:06

Tgt Ion: 62 Resp: 94878
Ion Ratio Lower Upper
62 100
98 10.5 7.7 11.5





#30

Cyclohexane

Concen: 26.879 ug/L

RT: 7.79 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampled :

BFB37

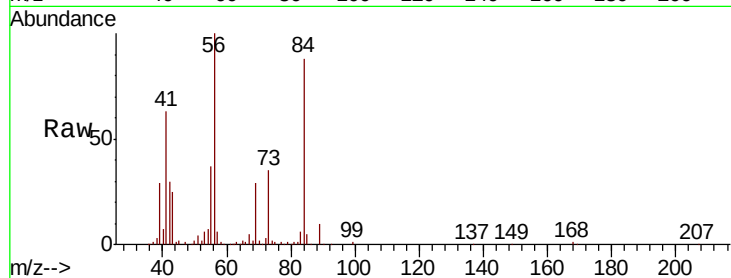
Tot Ion: 56 Resp: 137723

Ion Ratio Lower Upper

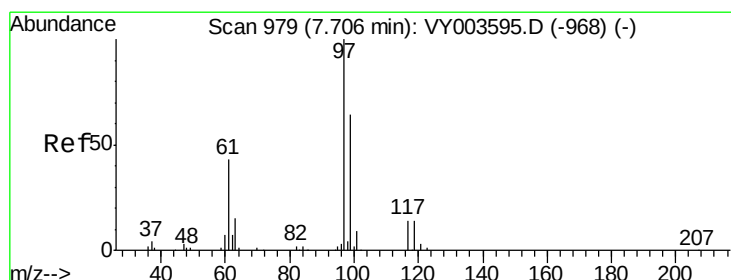
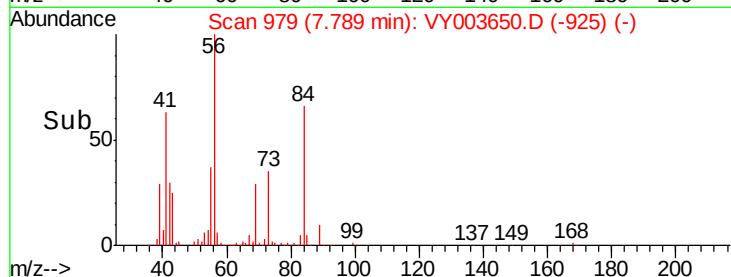
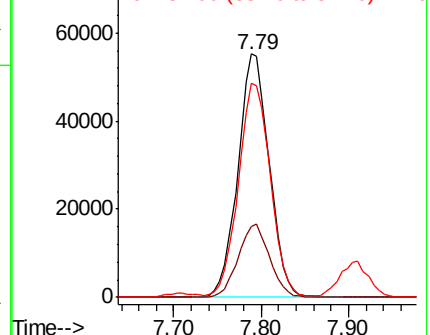
56 100

69 29.9 23.3 34.9

84 89.7 69.9 104.9



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



#31

1,1,1-Trichloroethane

Concen: 28.215 ug/L

RT: 7.71 min Scan# 966

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

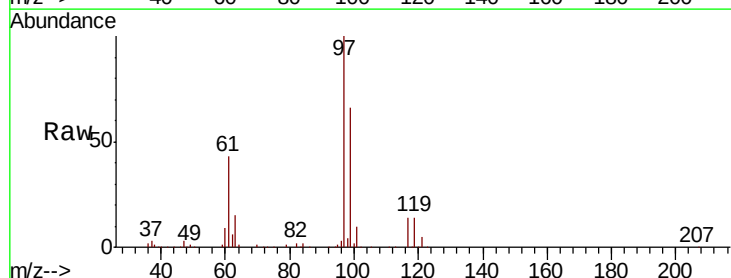
Tgt Ion: 97 Resp: 129352

Ion Ratio Lower Upper

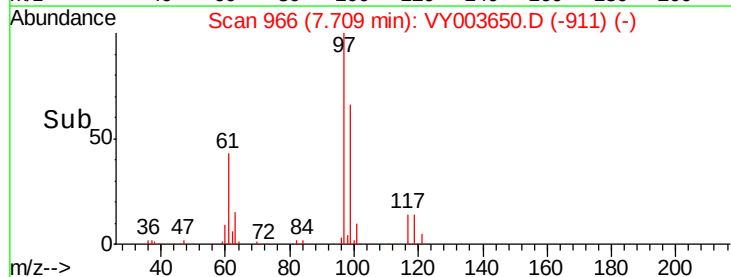
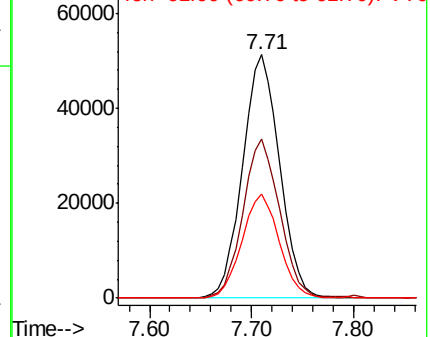
97 100

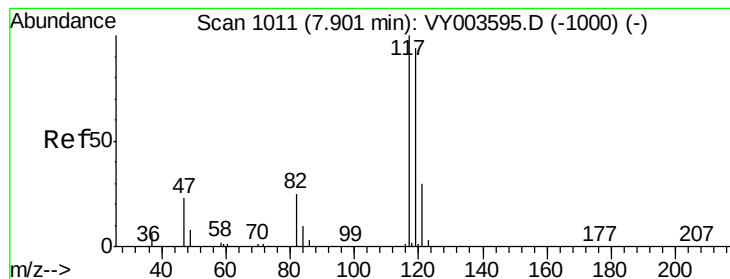
99 64.9 52.1 78.1

61 43.1 34.9 52.3



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.00 (60.70 to 61.70): VY0





#32

Carbon tetrachloride

Concen: 26.524 ug/L

RT: 7.91 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampled :

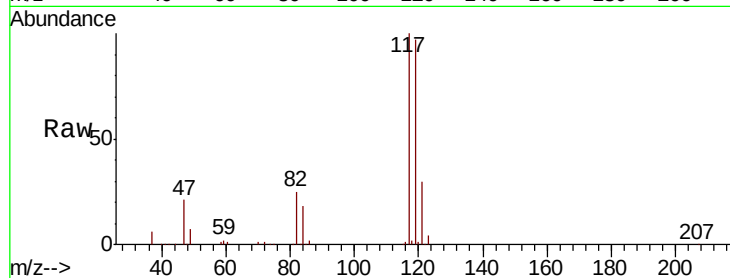
BFB37

Tot Ion:117 Resp: 115570

Ion Ratio Lower Upper

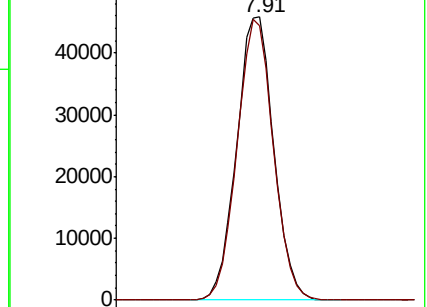
117 100

119 96.7 76.2 114.4

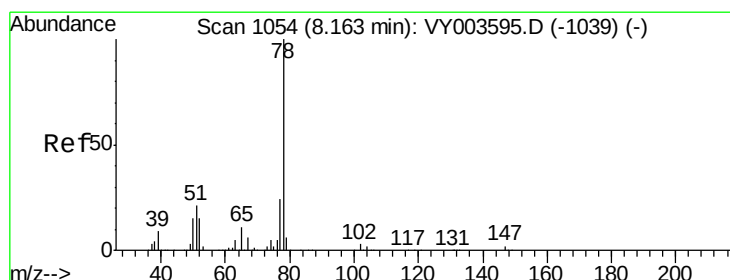
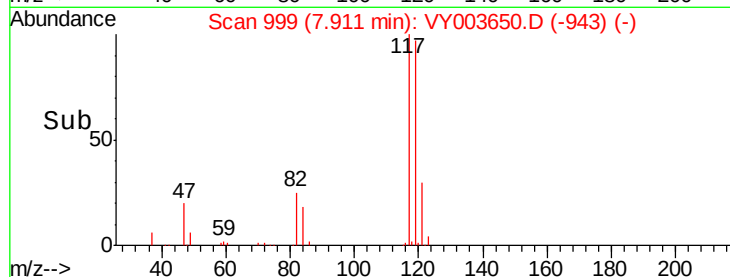


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 26.099 ug/L

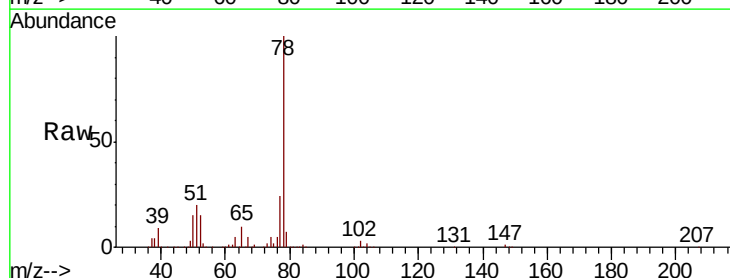
RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

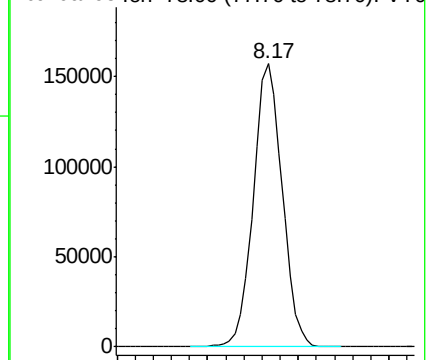
Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

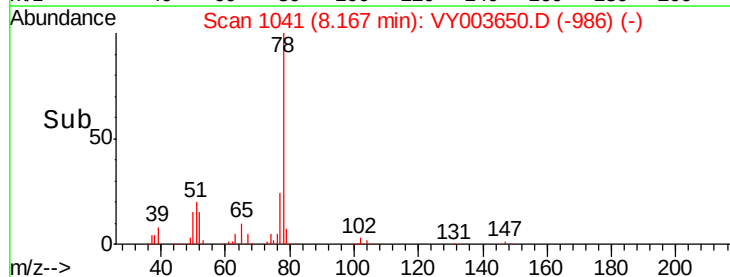
Tgt Ion: 78 Resp: 346919

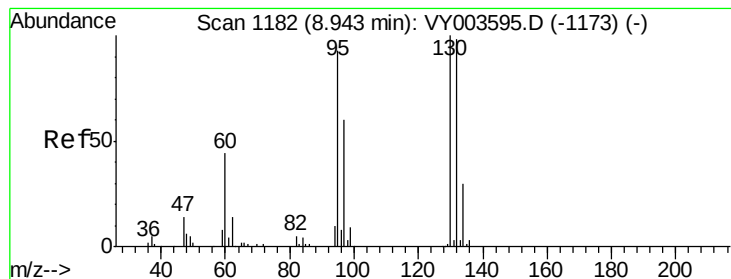


Abundance Ion 78.00 (77.70 to 78.70): VY0



Time-->





#35

Trichloroethene

Concen: 29.437 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

BFB37

Tot Ion: 95 Resp: 99086

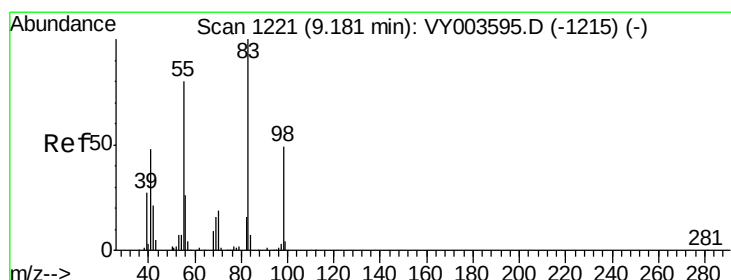
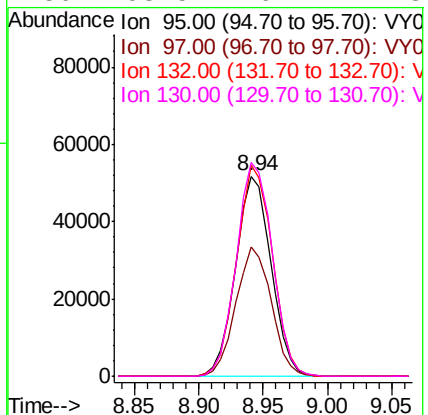
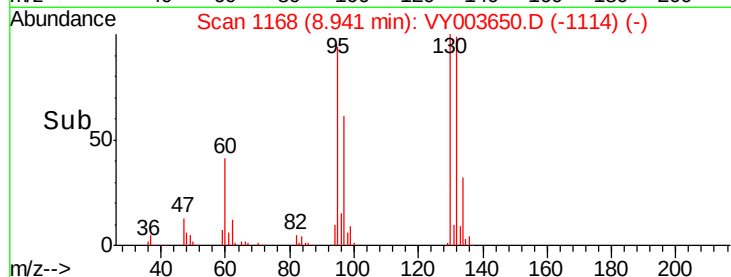
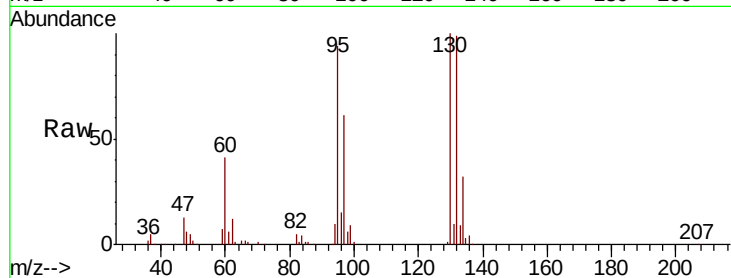
Ion Ratio Lower Upper

95 100

97 64.4 44.5 82.7

132 106.1 73.1 135.7

130 108.5 76.1 141.3



#36

Methylcyclohexane

Concen: 28.175 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

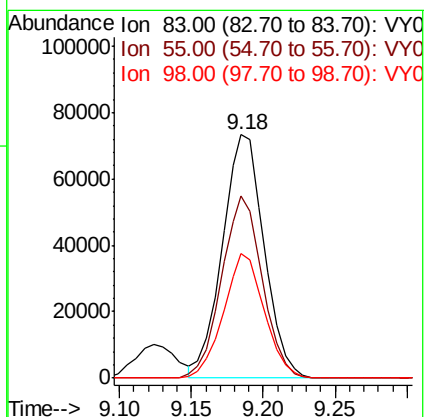
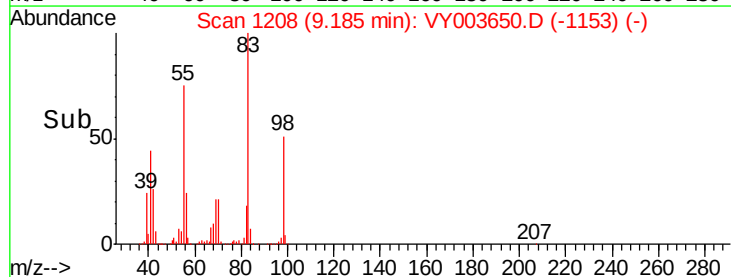
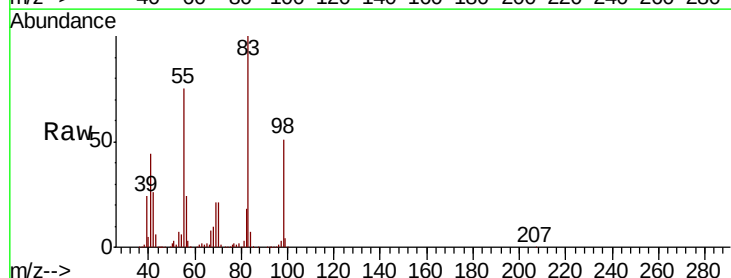
Tgt Ion: 83 Resp: 148261

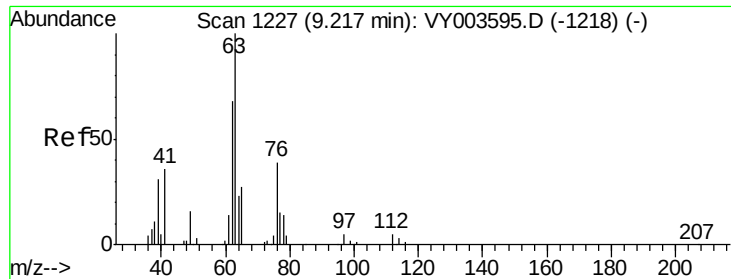
Ion Ratio Lower Upper

83 100

55 72.8 60.8 91.2

98 49.9 40.6 61.0

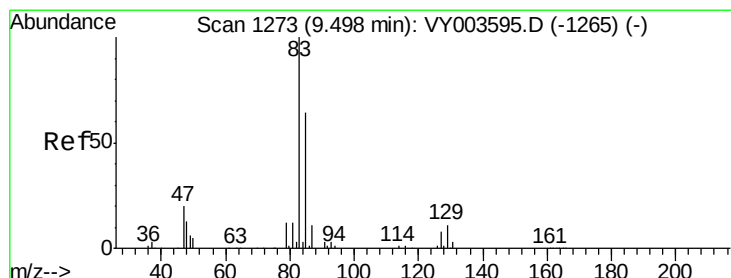
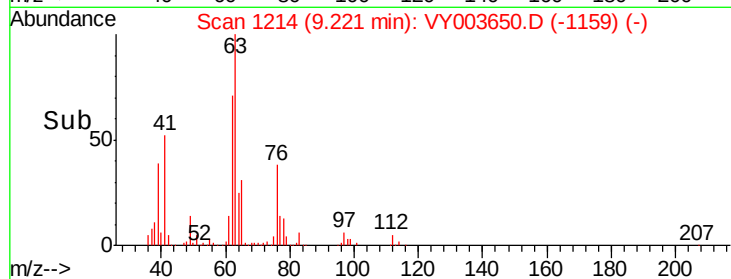
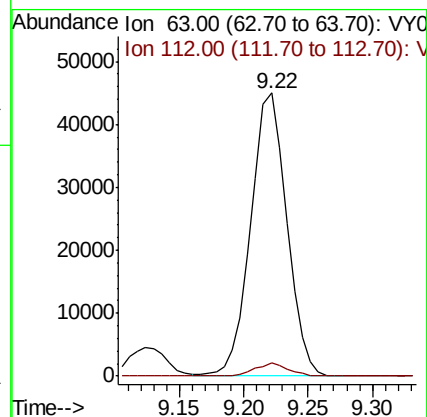
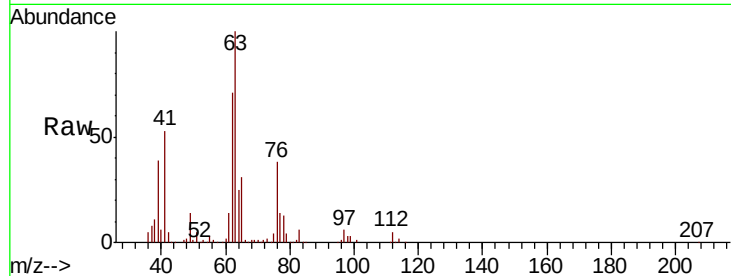




#40
 1,2-Dichloropropane
 Concen: 26.635 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: VY003650.D
 Acq: 03 Dec 2020 16:06

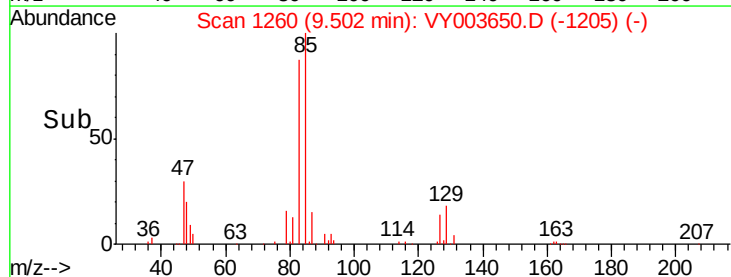
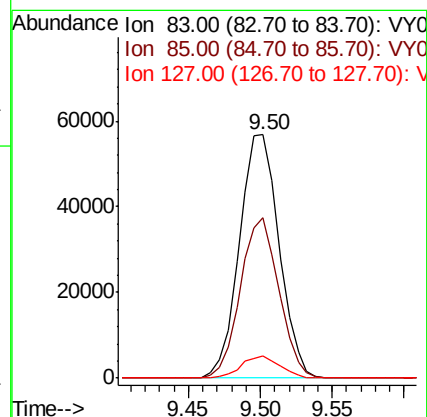
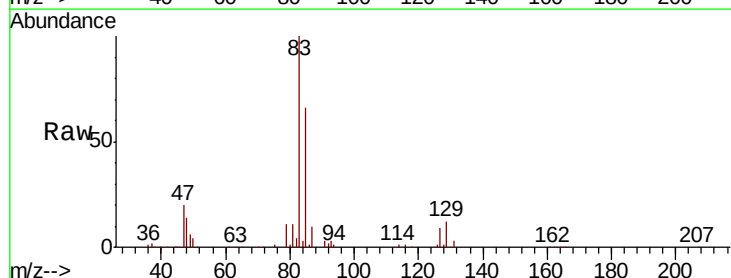
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB37

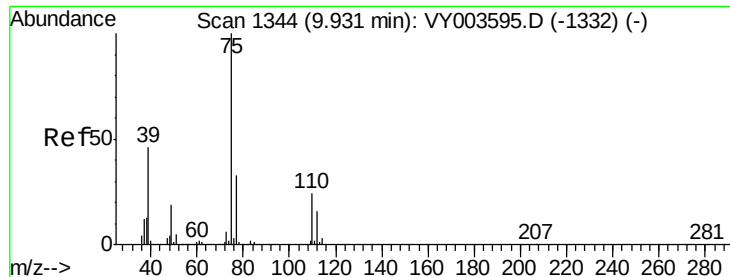
Tot Ion: 63 Resp: 87291
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#41
 Bromodichloromethane
 Concen: 25.981 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VY003650.D
 Acq: 03 Dec 2020 16:06

Tgt Ion: 83 Resp: 108685
 Ion Ratio Lower Upper
 83 100
 85 65.9 45.1 83.7
 127 9.2 6.8 10.2



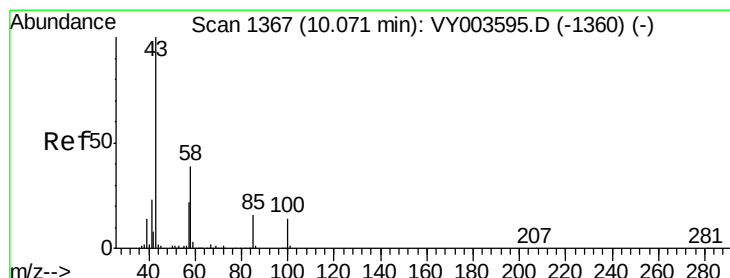
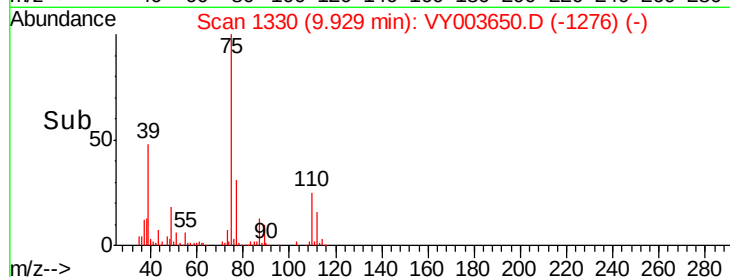
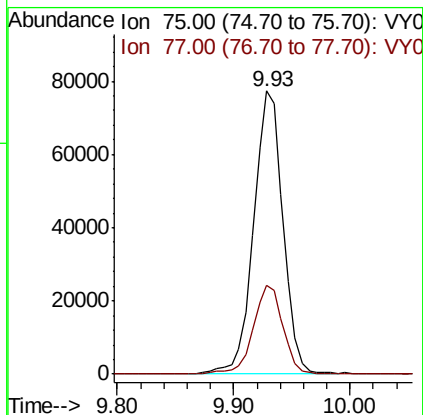
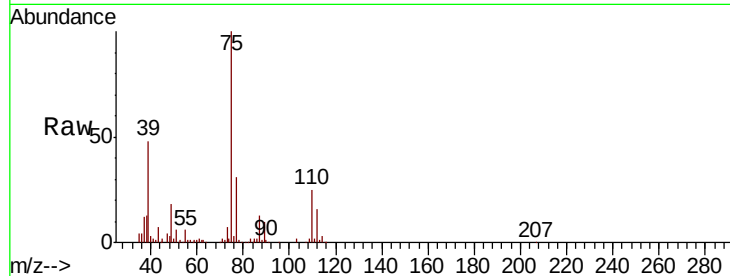


#42

cis-1,3-Dichloropropene
Concen: 26.335 ug/L
RT: 9.93 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VY003650.D
Acq: 03 Dec 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
BFB37

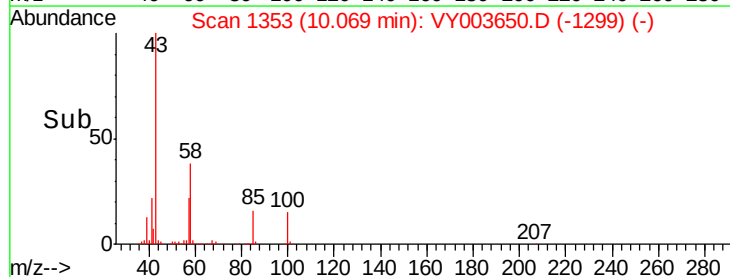
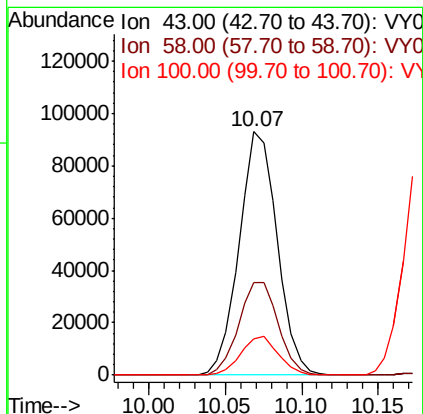
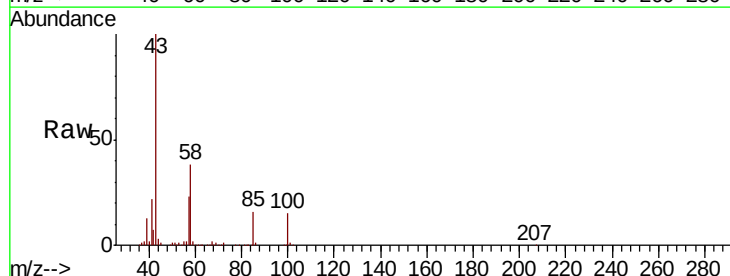
Tot Ion: 75 Resp: 136108
Ion Ratio Lower Upper
75 100
77 31.5 23.2 43.0

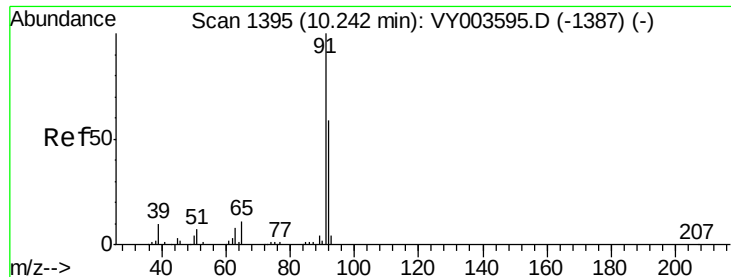


#43

4-Methyl-2-pentanone
Concen: 58.518 ug/L
RT: 10.07 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VY003650.D
Acq: 03 Dec 2020 16:06

Tgt Ion: 43 Resp: 160473
Ion Ratio Lower Upper
43 100
58 39.6 30.2 45.2
100 15.6 11.7 17.5





#44

Toluene

Concen: 26.337 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampled :

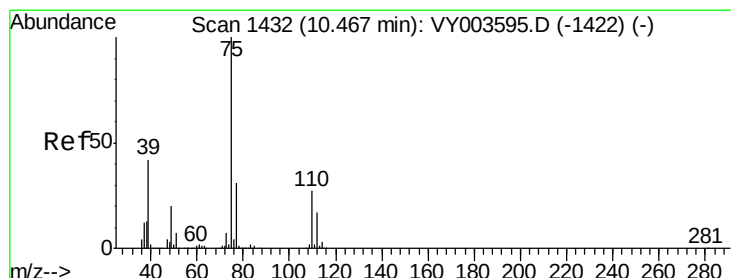
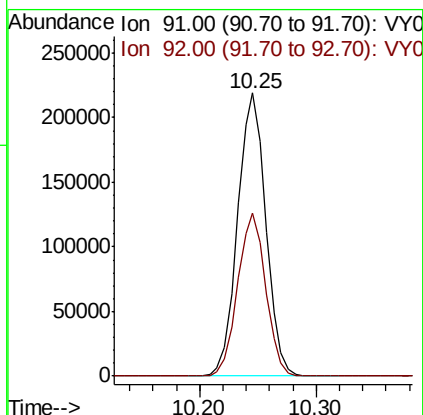
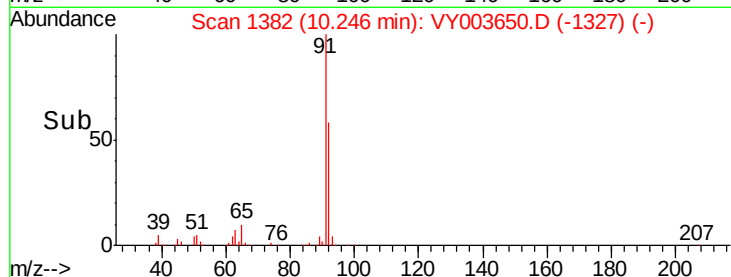
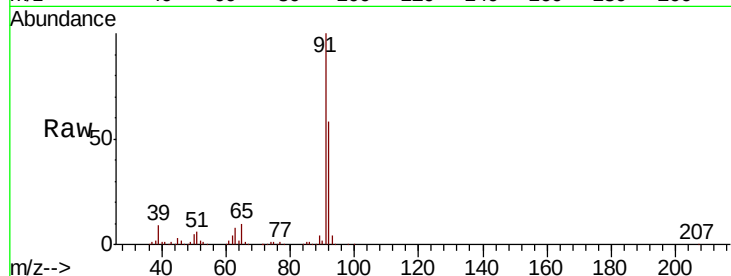
BFB37

Tot Ion: 91 Resp: 368971

Ion Ratio Lower Upper

91 100

92 57.6 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 26.105 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003650.D

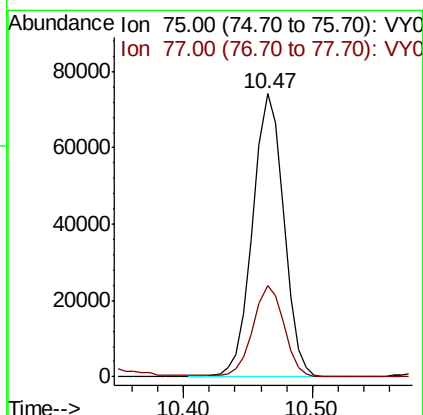
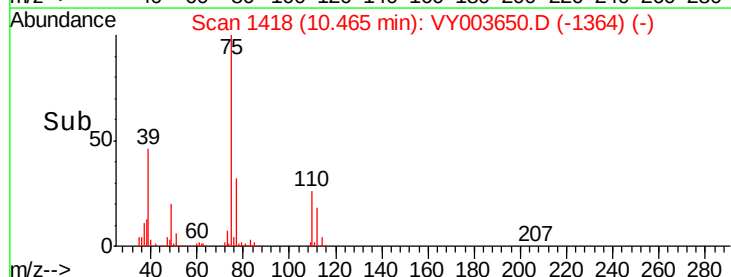
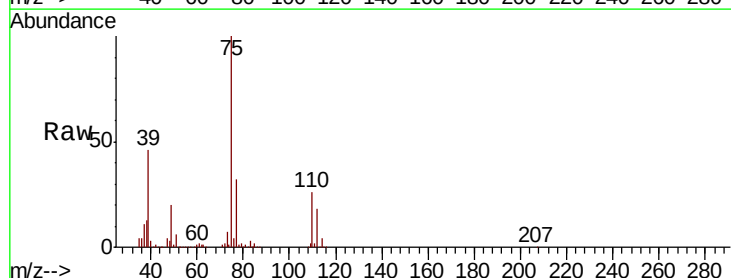
Acq: 03 Dec 2020 16:06

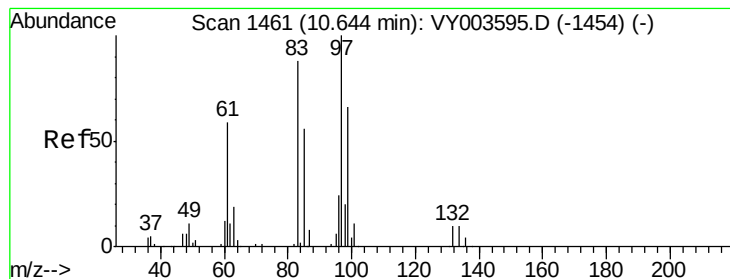
Tgt Ion: 75 Resp: 124272

Ion Ratio Lower Upper

75 100

77 32.3 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 27.122 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

BFB37

Tot Ion: 97 Resp: 71019

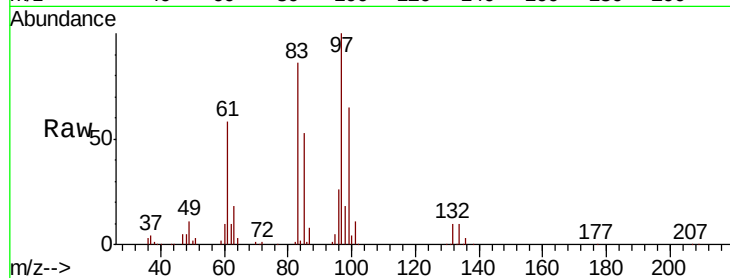
Ion Ratio Lower Upper

97 100

83 85.8 60.1 111.5

85 52.8 38.9 72.2

99 64.9 43.0 80.0

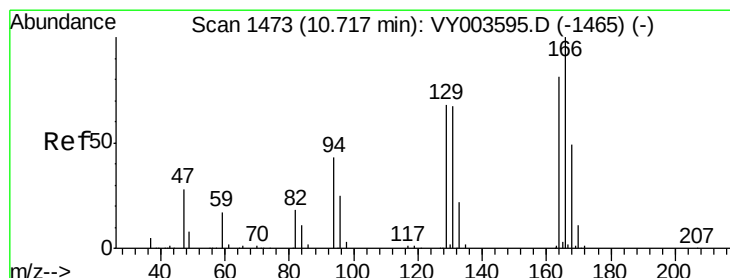
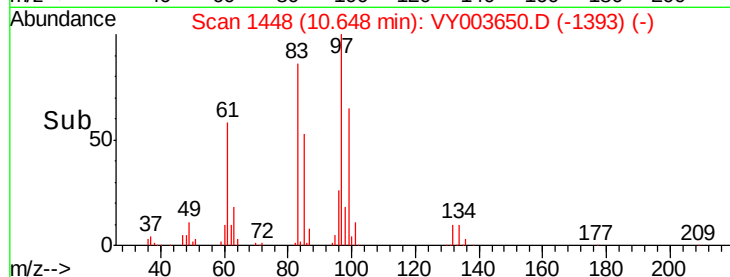
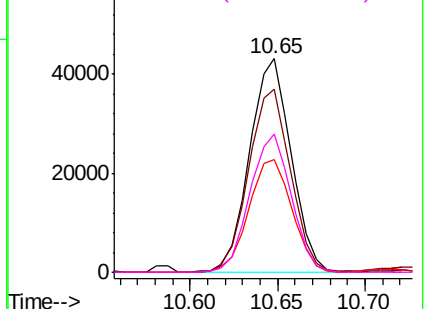


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 99.00 (98.70 to 99.70): VY0



#47

Tetrachloroethene

Concen: 24.939 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Tgt Ion:164 Resp: 72976

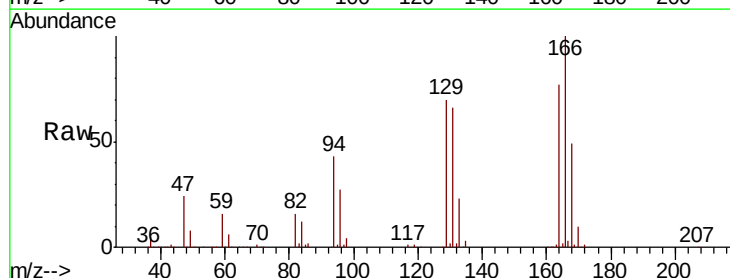
Ion Ratio Lower Upper

164 100

129 91.4 60.6 112.6

131 85.7 58.7 109.1

166 130.6 91.2 169.4

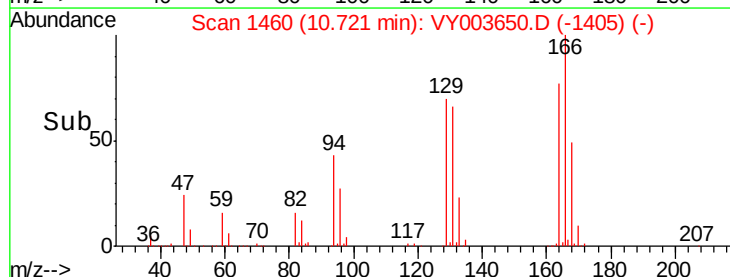
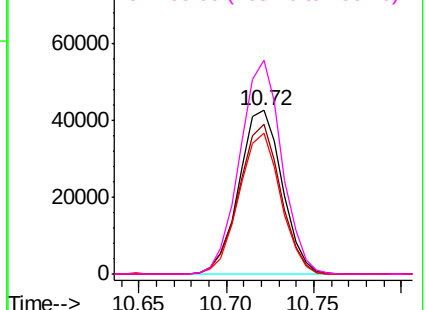


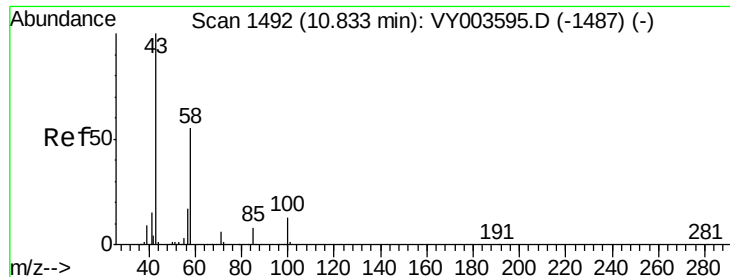
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 50.629 ug/L

RT: 10.83 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

BFB37

Tot Ion: 43 Resp: 109666

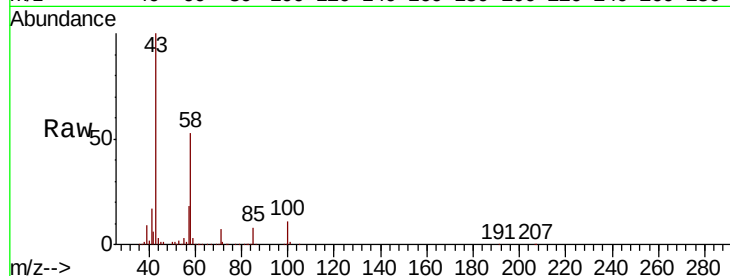
Ion Ratio Lower Upper

43 100

58 55.6 42.1 63.1

57 18.3 14.2 21.2

100 11.7 9.5 14.3

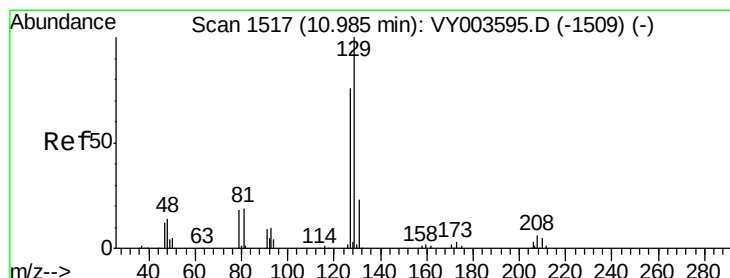
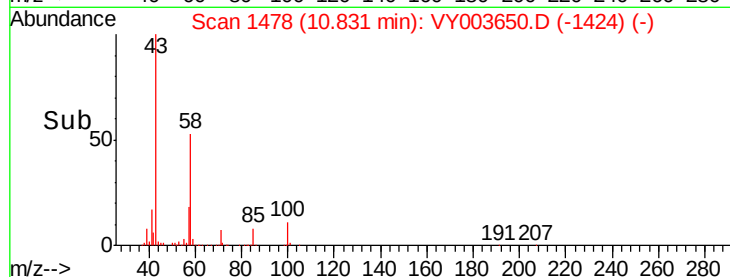
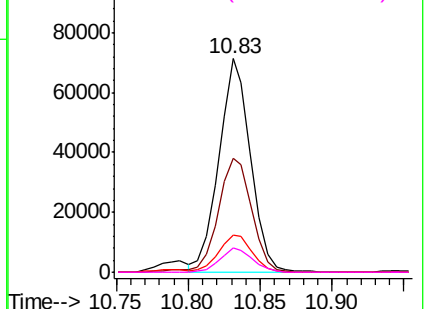


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#50

Dibromochloromethane

Concen: 26.578 ug/L

RT: 10.98 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VY003650.D

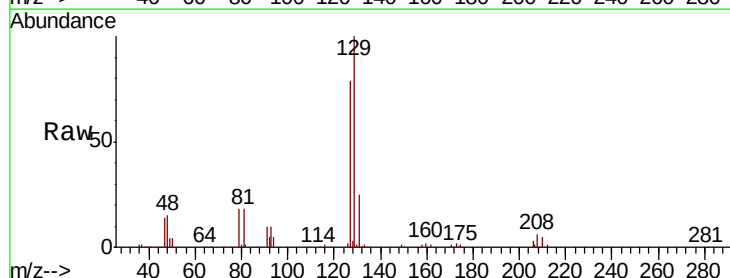
Acq: 03 Dec 2020 16:06

Tgt Ion: 129 Resp: 83916

Ion Ratio Lower Upper

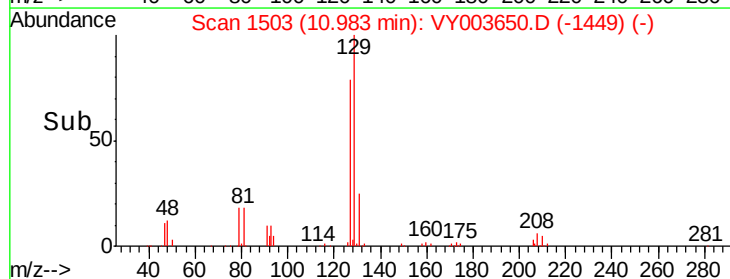
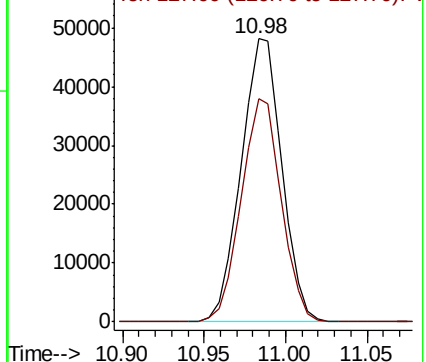
129 100

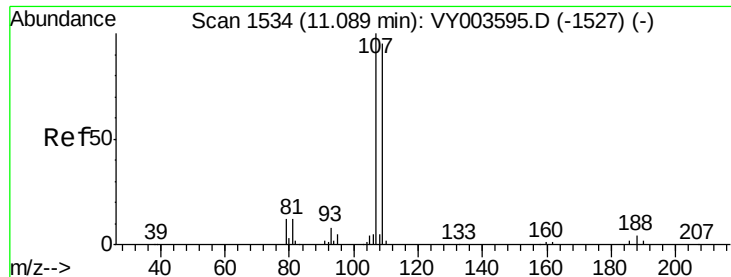
127 79.0 56.6 105.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

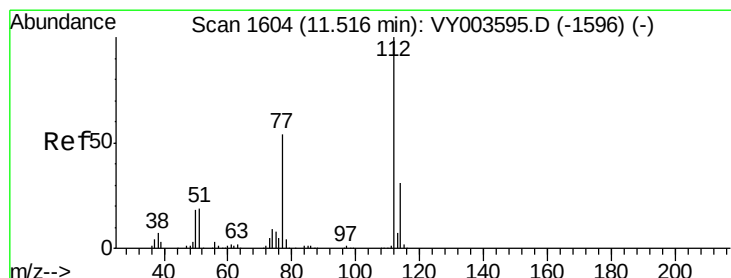
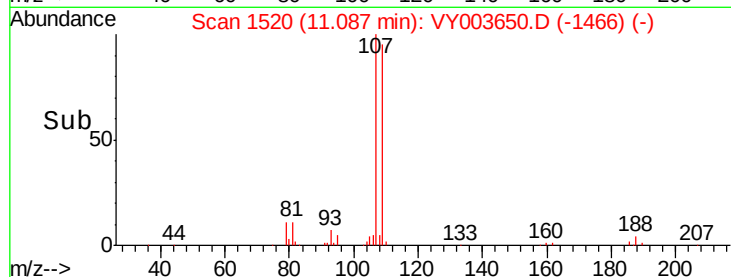
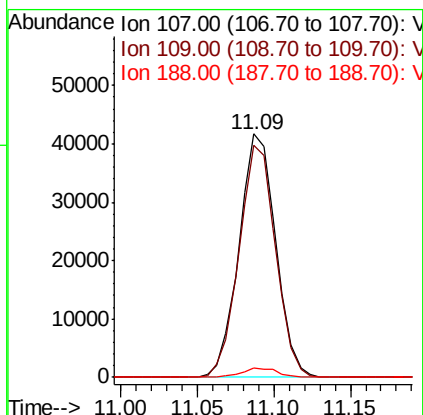
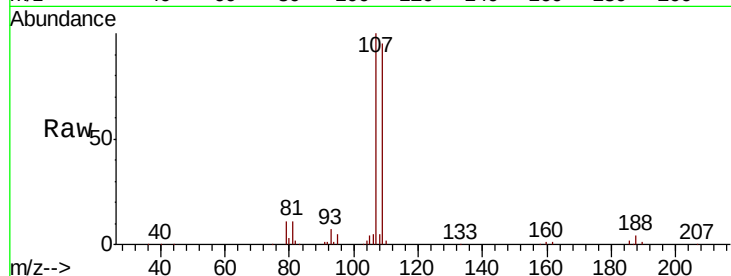




#51
 1,2-Dibromoethane
 Concen: 26.595 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. -0.00 min
 Lab File: VY003650.D
 Acq: 03 Dec 2020 16:06

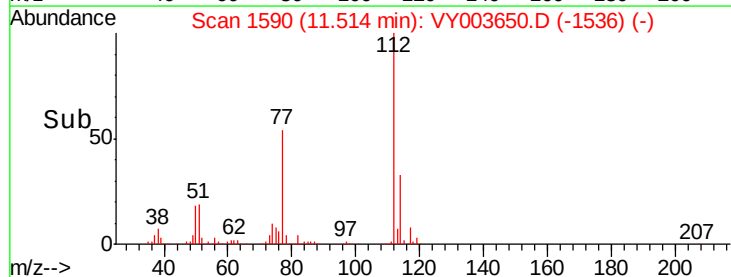
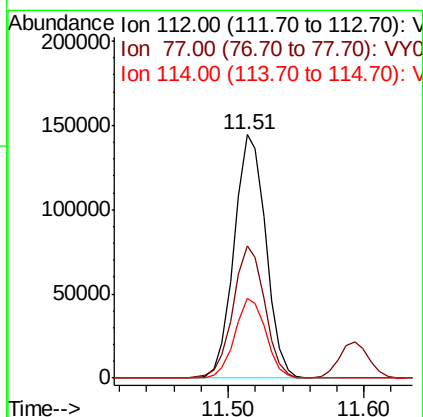
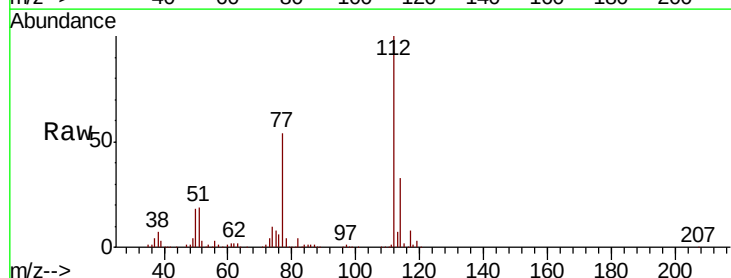
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB37

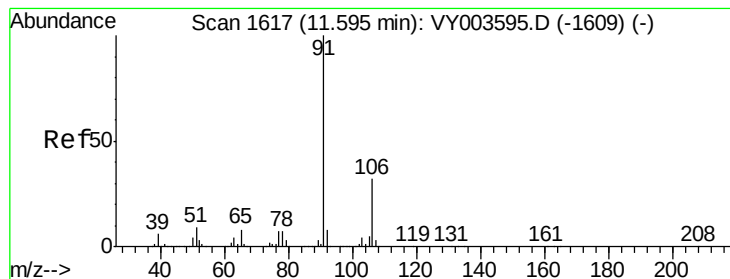
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	66.8	124.2
188	3.9	3.3	4.9



#52
 Chlorobenzene
 Concen: 26.181 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: VY003650.D
 Acq: 03 Dec 2020 16:06

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.4	43.3	64.9
114	32.9	21.9	40.7





#53

Ethylbenzene

Concen: 27.551 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampled :

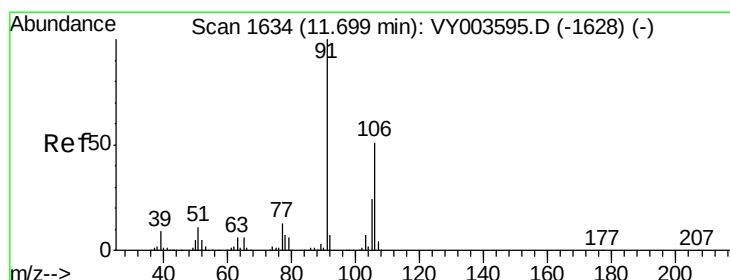
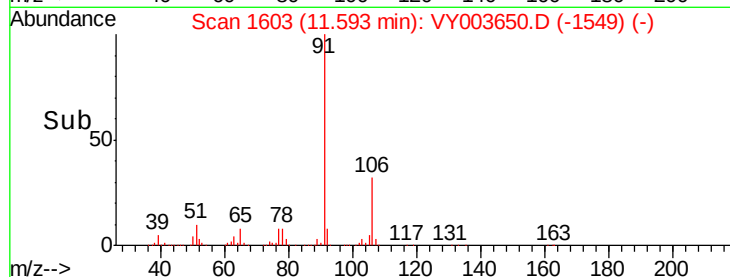
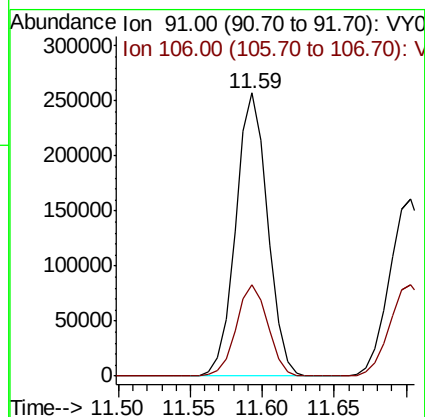
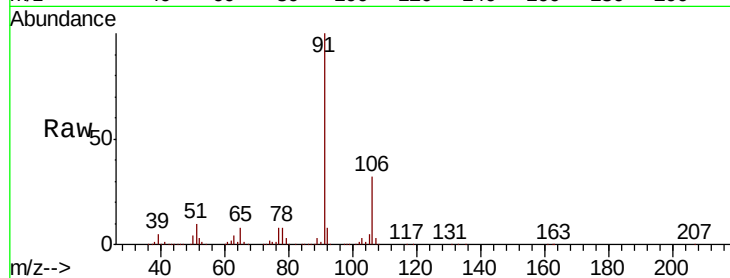
BFB37

Tot Ion: 91 Resp: 396501

Ion Ratio Lower Upper

91 100

106 32.4 22.5 41.7



#54

m,p-Xylene

Concen: 27.556 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003650.D

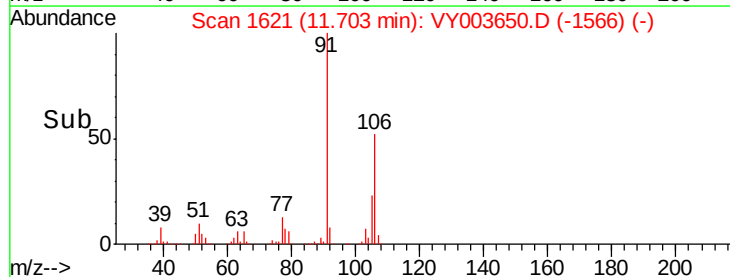
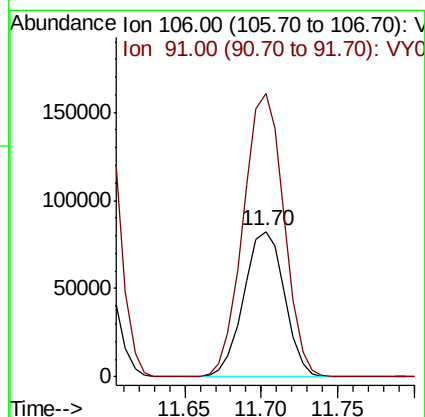
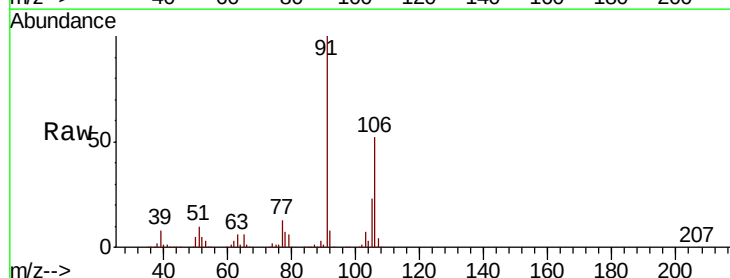
Acq: 03 Dec 2020 16:06

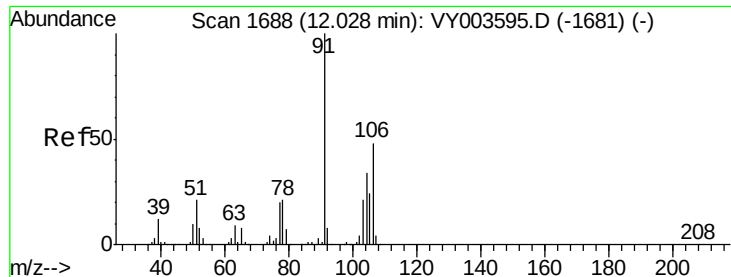
Tgt Ion: 106 Resp: 152650

Ion Ratio Lower Upper

106 100

91 194.2 135.6 251.8





#55

o-xylene

Concen: 31.547 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampled :

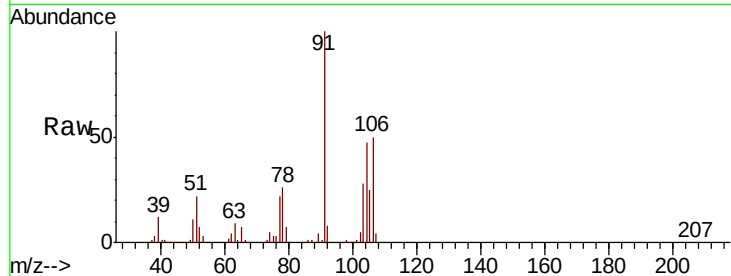
BFB37

Tot Ion:106 Resp: 145883

Ion Ratio Lower Upper

106 100

91 201.1 138.3 256.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

200000

150000

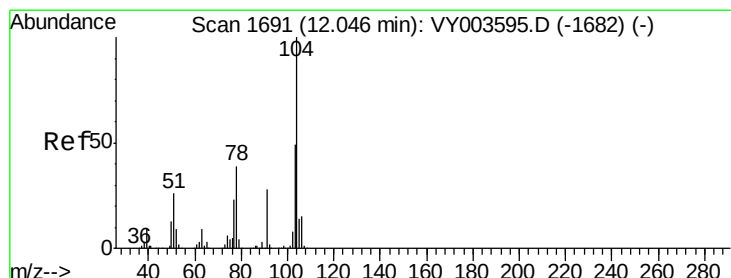
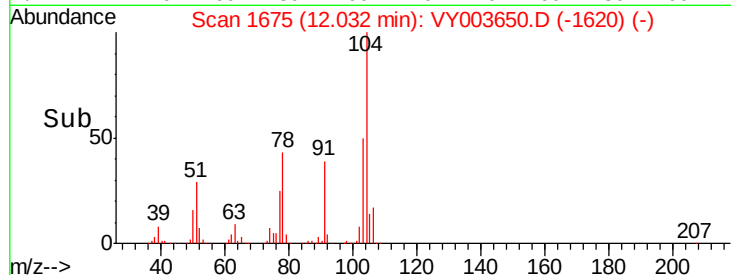
100000

50000

0

11.95 12.00 12.05 12.10

Time-->



#56

Styrene

Concen: 27.878 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003650.D

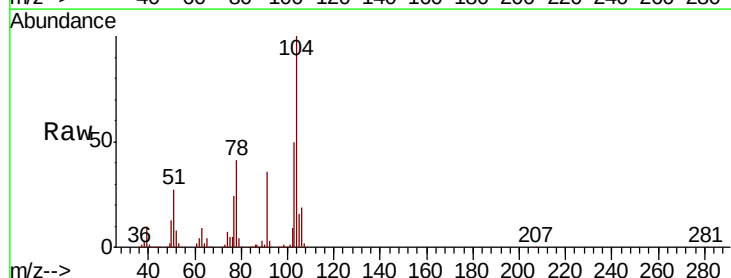
Acq: 03 Dec 2020 16:06

Tgt Ion:104 Resp: 252430

Ion Ratio Lower Upper

104 100

78 40.9 28.8 53.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

150000

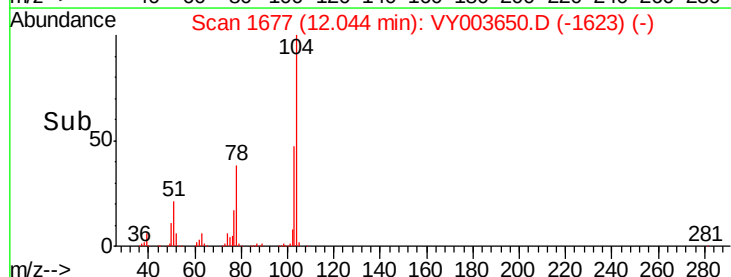
100000

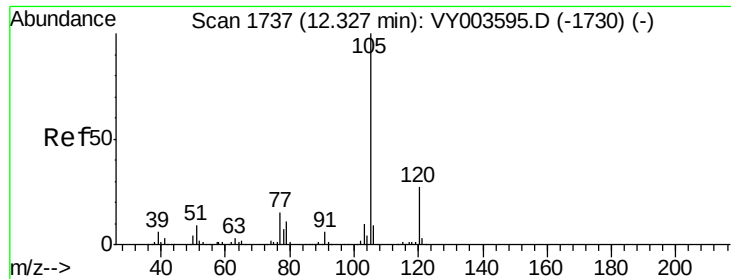
50000

0

11.95 12.00 12.05 12.10

Time-->





#57

Isopropylbenzene

Concen: 37.058 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

BFB37

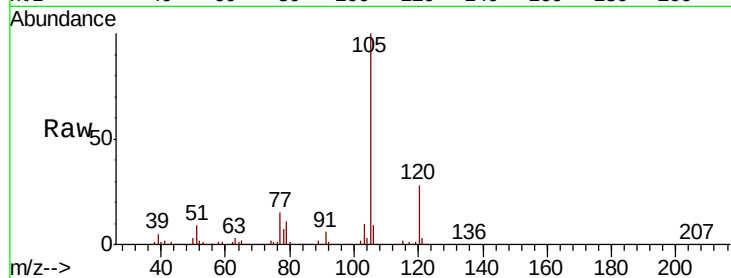
Tot Ion:105 Resp: 387847

Ion Ratio Lower Upper

105 100

120 27.3 21.7 32.5

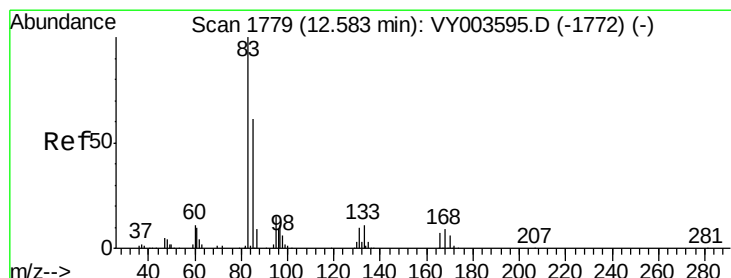
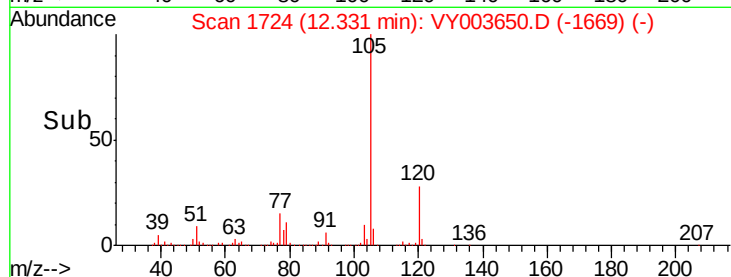
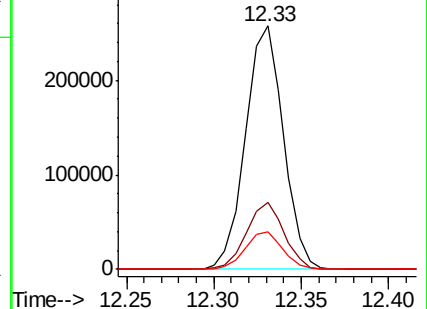
77 15.3 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.177 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

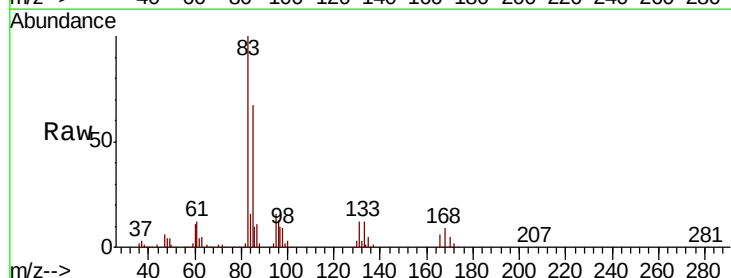
Tgt Ion: 83 Resp: 65422

Ion Ratio Lower Upper

83 100

85 66.7 44.8 83.2

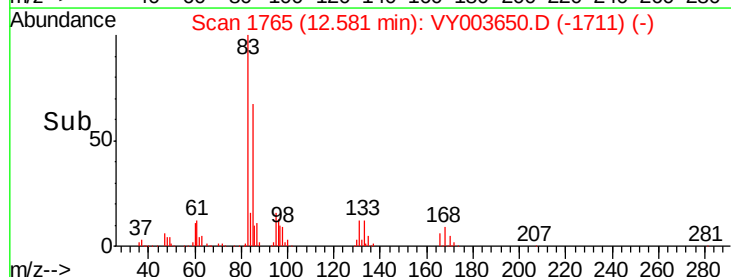
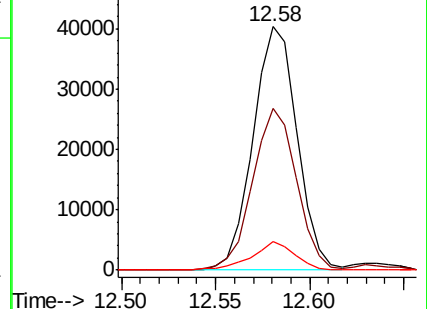
131 11.5 7.3 10.9#

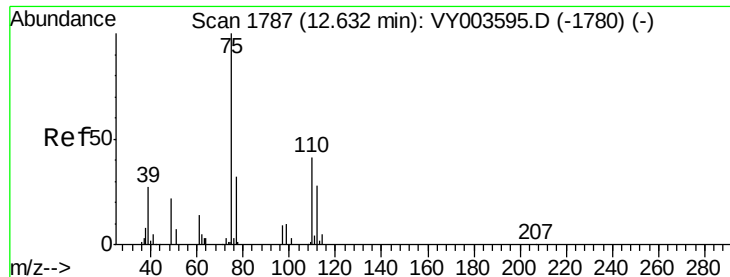


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 29.166 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

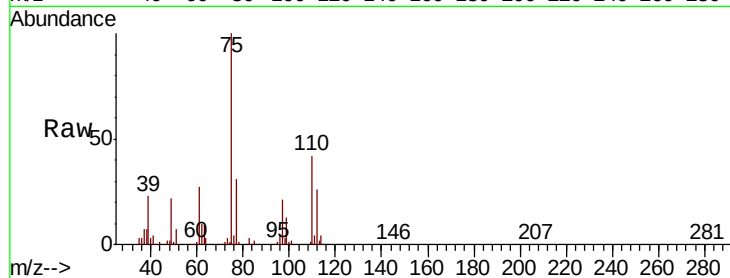
BFB37

Tot Ion: 75 Resp: 70140

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2

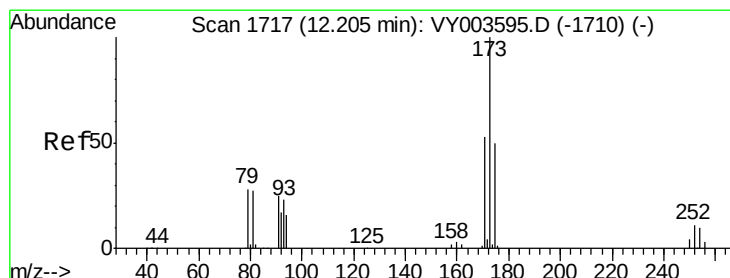
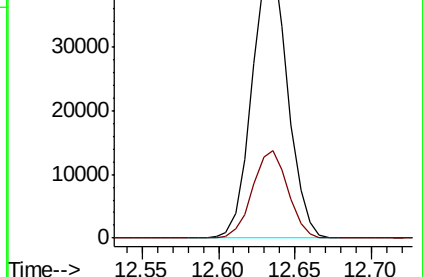
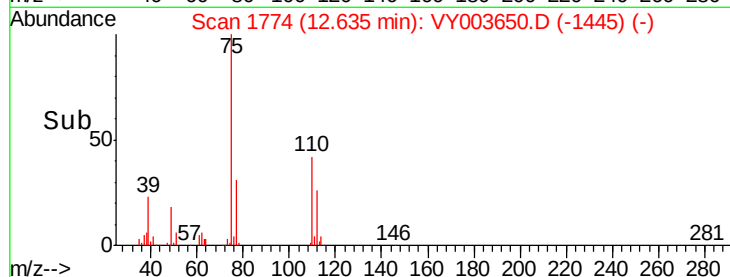


Abundance Ion 75.00 (74.70 to 75.70): VY003650.D (-1780) (-)

Ion 77.00 (76.70 to 77.70): VY003650.D (-1780) (-)

12.64

Time-->



#62

Bromoform

Concen: 25.171 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

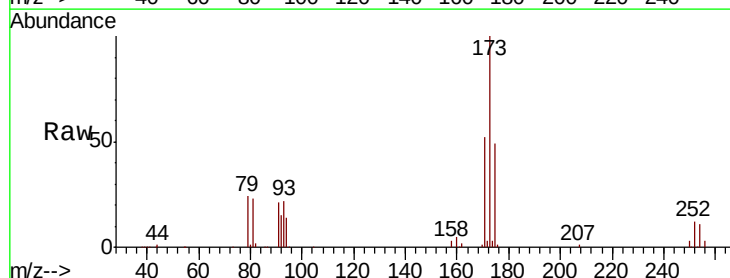
Tgt Ion: 173 Resp: 57311

Ion Ratio Lower Upper

173 100

175 47.6 39.5 59.3

254 10.0 8.6 12.8



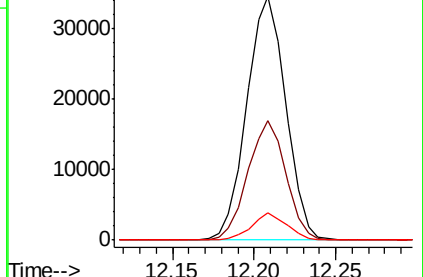
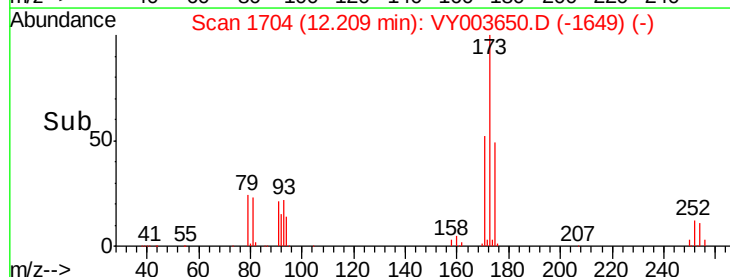
Abundance Ion 173.00 (172.70 to 173.70): VY003650.D (-1649) (-)

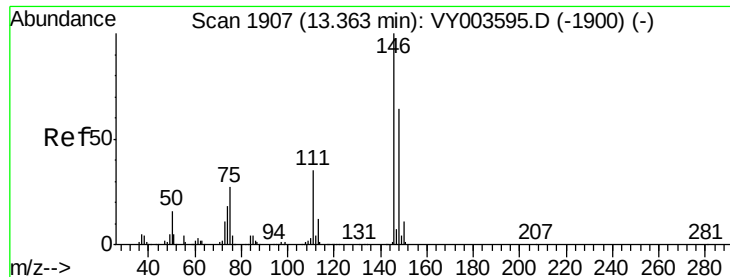
Ion 175.00 (174.70 to 175.70): VY003650.D (-1649) (-)

Ion 254.00 (253.70 to 254.70): VY003650.D (-1649) (-)

12.21

Time-->





#63

1,3-Dichlorobenzene

Concen: 25.389 ug/L

RT: 13.37 min Scan# 1894

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

BFB37

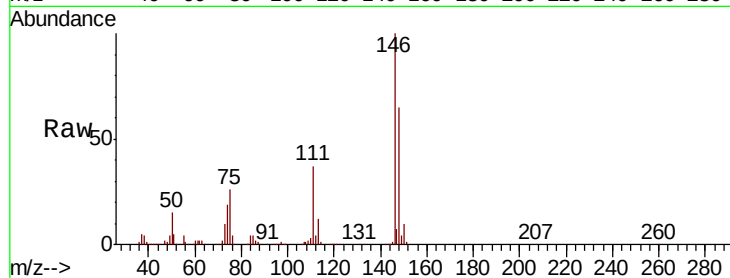
Tot Ion:146 Resp: 179722

Ion Ratio Lower Upper

146 100

111 37.0 25.1 46.5

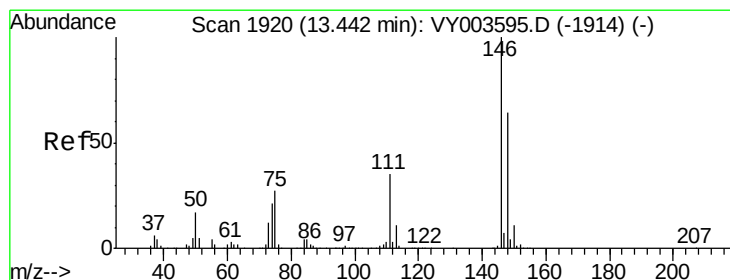
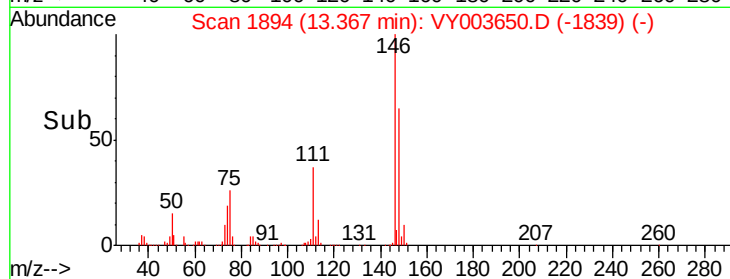
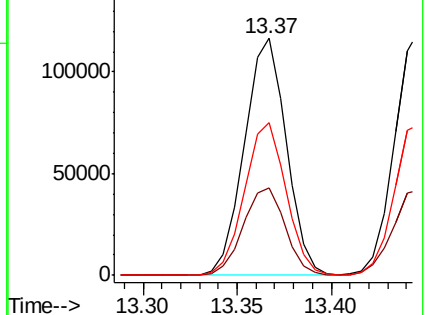
148 64.5 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 25.035 ug/L

RT: 13.45 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

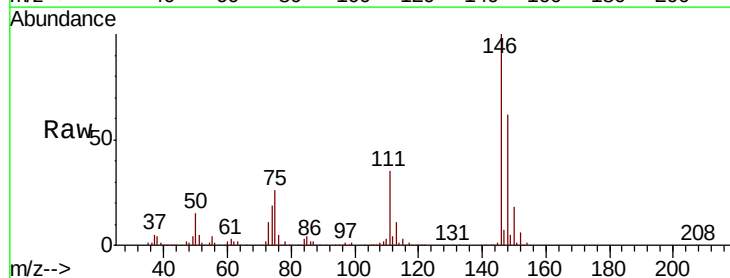
Tgt Ion:146 Resp: 182486

Ion Ratio Lower Upper

146 100

111 34.8 24.1 44.8

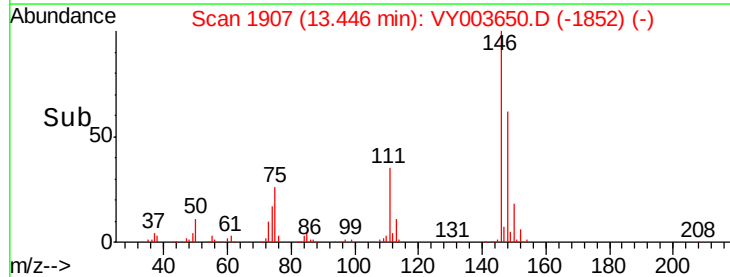
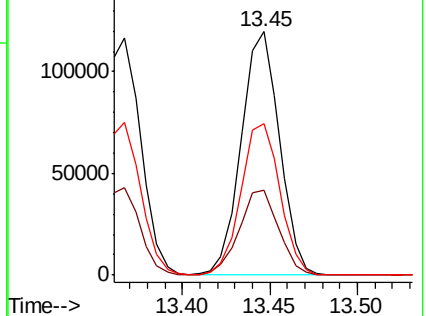
148 62.2 43.6 81.0

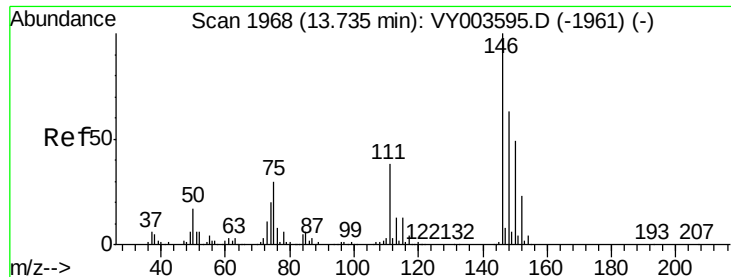


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 28.400 ug/L

RT: 13.74 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

BFB37

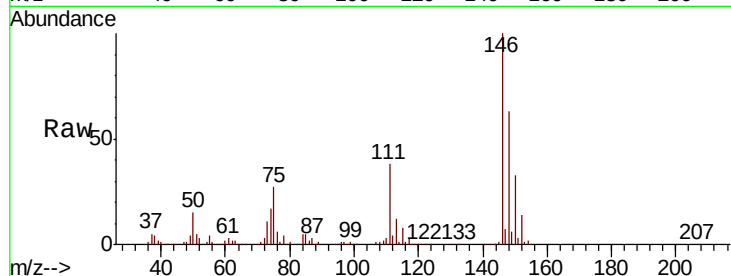
Tot Ion:146 Resp: 165572

Ion Ratio Lower Upper

146 100

111 37.6 31.0 46.6

148 63.2 49.8 74.8

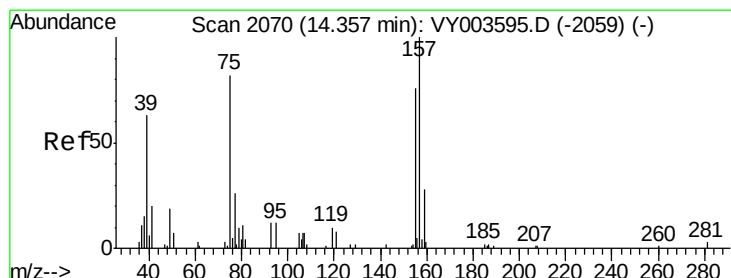
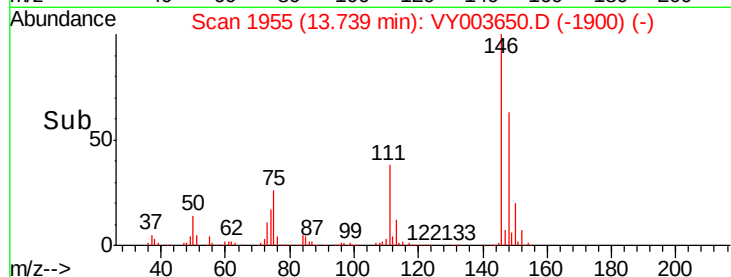
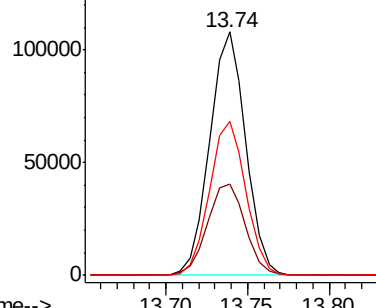


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 30.685 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

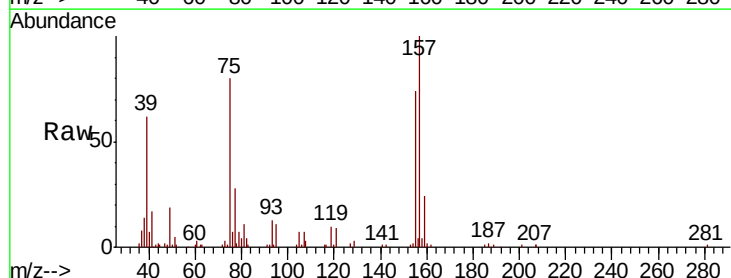
Tgt Ion: 75 Resp: 15227

Ion Ratio Lower Upper

75 100

157 125.6 91.8 137.6

155 93.5 75.7 113.5

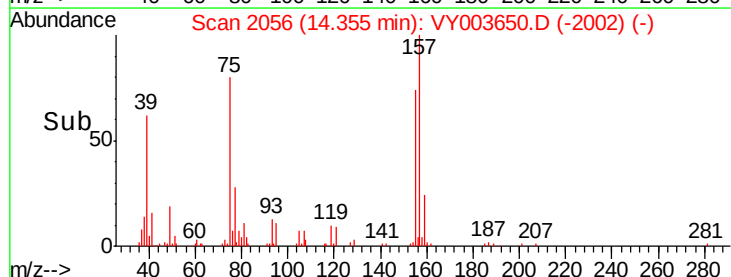
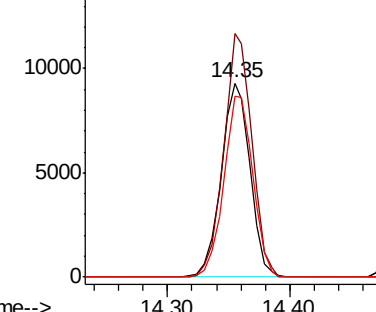


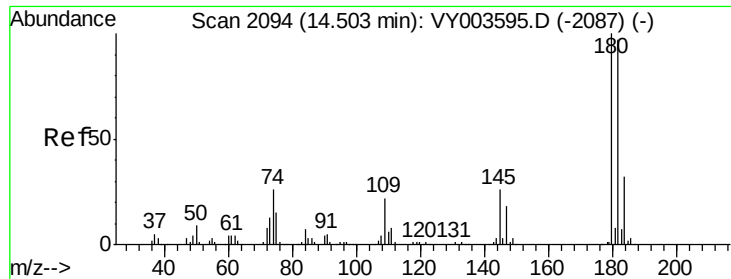
Abundance

Ion 75.00 (74.70 to 75.70): VY0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

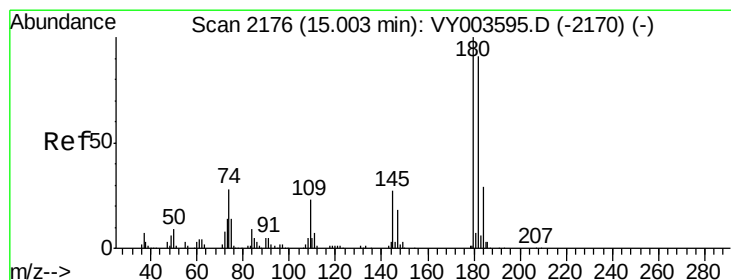
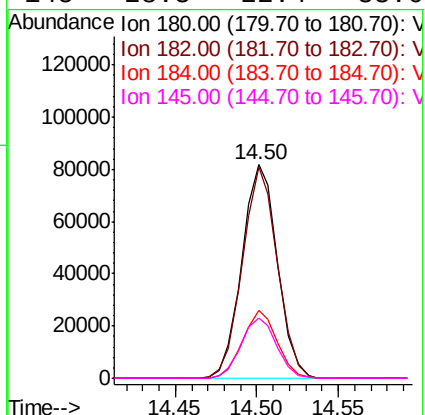
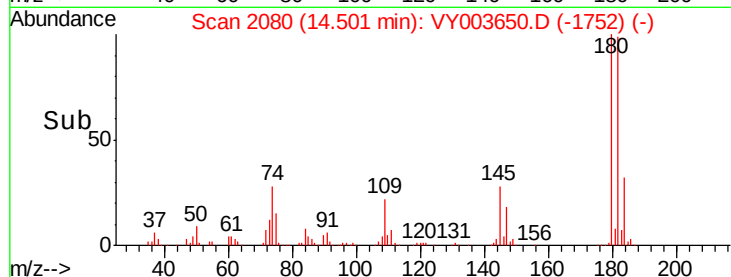
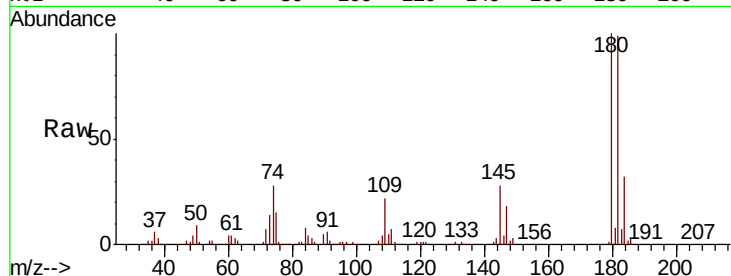




#67
 1,3,5-Trichlorobenzene
 Concen: 32.961 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003650.D
 Acq: 03 Dec 2020 16:06

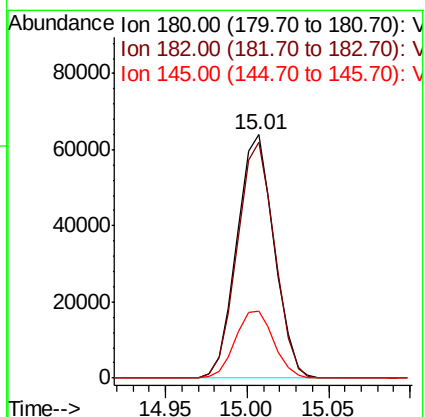
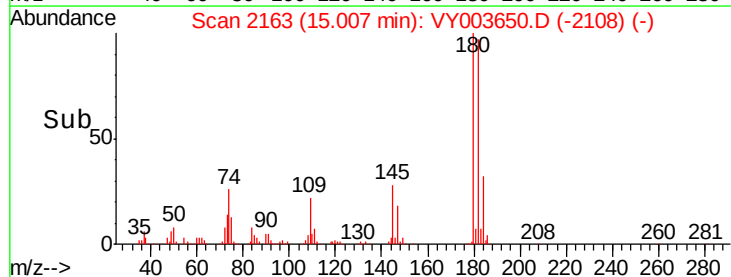
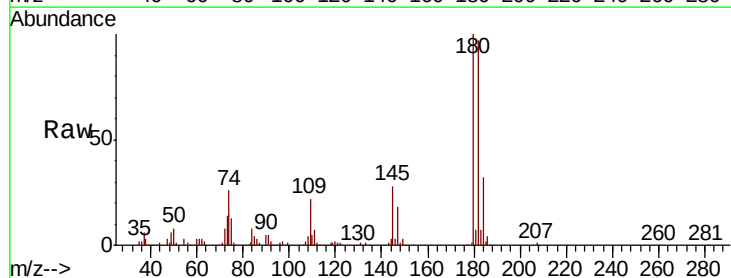
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB37

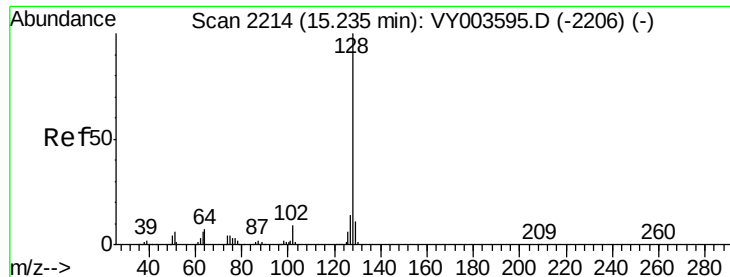
Tot Ion:180	Resp:	123776
Ion Ratio	Lower	Upper
180	100	
182	97.1	77.3 115.9
184	31.0	24.4 36.6
145	28.3	22.4 33.6



#68
 1,2,4-trichlorobenzene
 Concen: 31.460 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VY003650.D
 Acq: 03 Dec 2020 16:06

Tgt Ion:180	Resp:	101771
Ion Ratio	Lower	Upper
180	100	
182	96.8	76.5 114.7
145	28.4	22.8 34.2





#69

Naphthalene

Concen: 37.916 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

BFB37

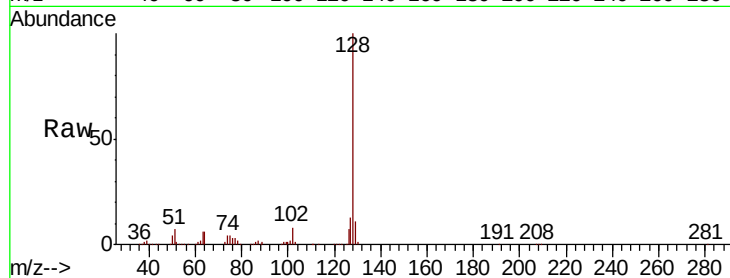
Tot Ion:128 Resp: 216349

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

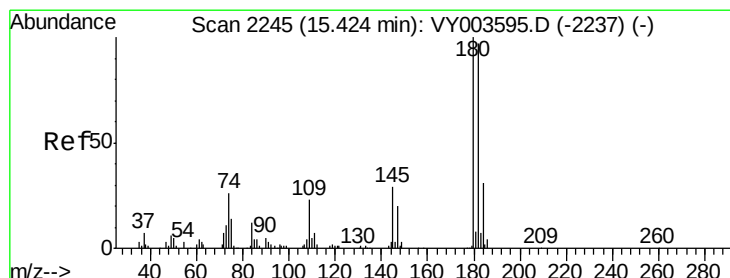
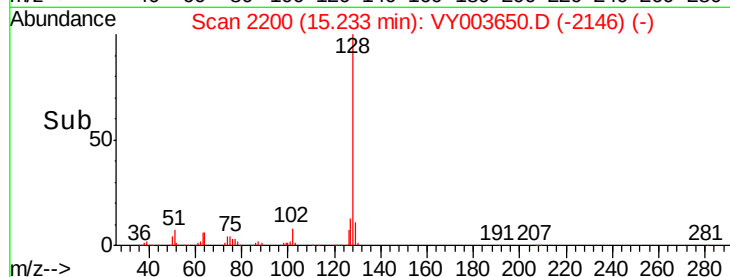
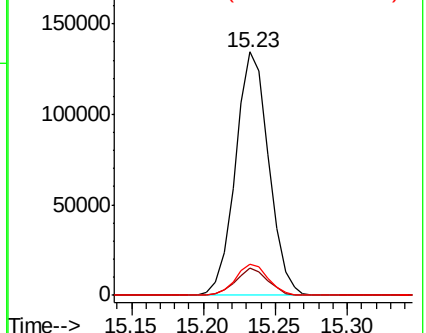
127 12.7 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 37.115 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VY003650.D

Acq: 03 Dec 2020 16:06

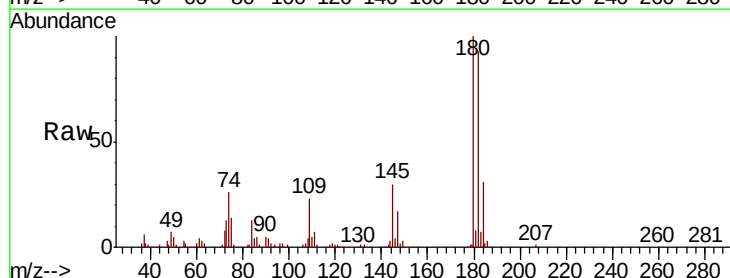
Tgt Ion:180 Resp: 90761

Ion Ratio Lower Upper

180 100

182 94.2 76.5 114.7

145 29.8 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

