

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003691.D
 Acq On : 09 Dec 2020 09:58
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB87

Quant Time: Dec 10 02:24:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 09 01:58:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	243785	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	233828	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	126060	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	73340	21.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.08%
7) Chloroethane-d5	2.77	69	57714	22.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.76%
10) 1,1-Dichloroethene-d2	3.87	63	147924	22.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.20%
20) 2-Butanone-d5	6.90	46	47452	38.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.22%
24) Chloroform-d	7.49	84	147168	23.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.84%
26) 1,2-Dichloroethane-d4	8.15	65	81422	23.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.28%
29) Benzene-d6	8.12	84	315804	23.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.32%
33) 1,2-Dichloropropane-d6	9.12	67	93806	23.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.68%
37) Toluene-d8	10.18	98	291582	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.12%
38) trans-1,3-Dichloropropene-	10.44	79	45345	23.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.72%
39) 2-Hexanone-d5	10.79	63	41808	41.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.32%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	86106	24.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.48%
61) 1,2-Dichlorobenzene-d4	13.72	152	108437	23.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	69597	25.403	ug/L 99
3) Chloromethane	2.12	50	70895	23.844	ug/L 99
5) Vinyl chloride	2.26	62	79139	25.172	ug/L 96
6) Bromomethane	2.66	94	49298	24.251	ug/L 94
8) Chloroethane	2.81	64	49023	25.610	ug/L 97
9) Trichlorofluoromethane	3.14	101	127097	26.404	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	80936	26.156	ug/L 100
12) 1,1-Dichloroethene	3.89	96	76381	26.180	ug/L 89
13) Acetone	3.97	43	39908	44.296	ug/L 98
14) Carbon disulfide	4.21	76	248556	25.561	ug/L 100
15) Methyl Acetate	4.50	43	53092	23.420	ug/L 99
16) Methylene chloride	4.73	84	93709	21.892	ug/L 99
17) Methyl tert-butyl Ether	5.24	73	210296	25.429	ug/L 99
18) trans-1,2-Dichloroethene	5.23	96	82925	25.244	ug/L 98
19) 1,1-Dichloroethane	6.03	63	140787	25.529	ug/L 99
21) 2-Butanone	7.00	43	67310	42.310	ug/L 95
22) cis-1,2-Dichloroethene	7.00	96	89687	25.619	ug/L 97

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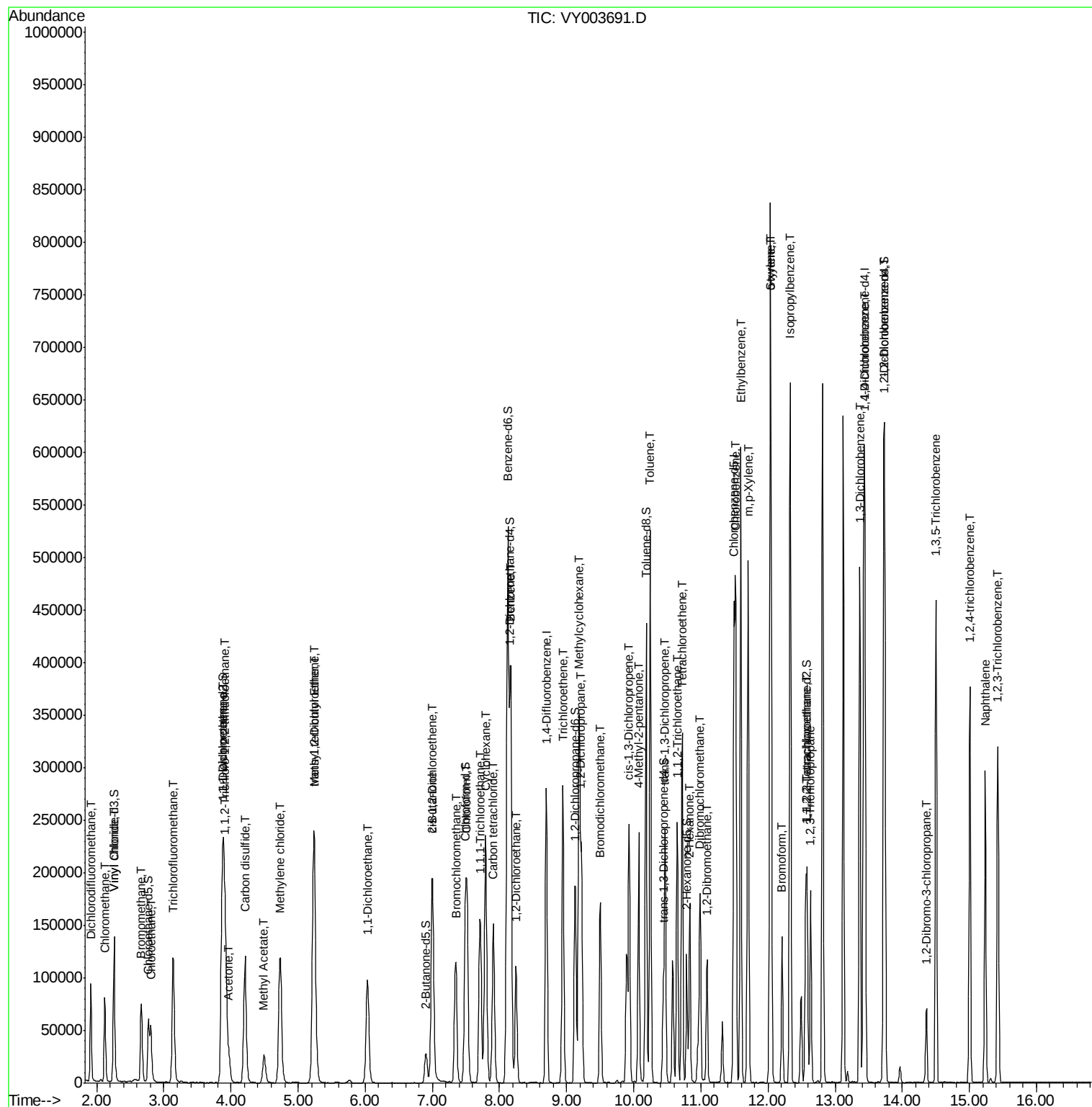
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	44660	25.555	ug/L	91
25) Chloroform	7.51	83	144709	25.922	ug/L	100
27) 1,2-Dichloroethane	8.25	62	95376	25.258	ug/L #	94
30) Cyclohexane	7.79	56	129499	25.706	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	129155	25.912	ug/L	99
32) Carbon tetrachloride	7.91	117	117764	26.616	ug/L	99
34) Benzene	8.17	78	343350	25.669	ug/L	100
35) Trichloroethene	8.95	95	91488	24.912	ug/L	99
36) Methylcyclohexane	9.18	83	149590	26.580	ug/L	100
40) 1,2-Dichloropropane	9.22	63	84944	25.320	ug/L	99
41) Bromodichloromethane	9.50	83	108793	25.524	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	135495	25.659	ug/L	99
43) 4-Methyl-2-pentanone	10.07	43	149615	47.478	ug/L	98
44) Toluene	10.25	91	375619	26.621	ug/L	100
45) trans-1,3-Dichloropropene	10.46	75	126887	26.070	ug/L	100
46) 1,1,2-Trichloroethane	10.65	97	73905	25.552	ug/L	99
47) Tetrachloroethene	10.72	164	74927	26.198	ug/L	96
49) 2-Hexanone	10.83	43	107396	48.494	ug/L	99
50) Dibromochloromethane	10.99	129	88083	26.022	ug/L	99
51) 1,2-Dibromoethane	11.09	107	72108	25.764	ug/L #	98
52) Chlorobenzene	11.52	112	241924	26.053	ug/L	97
53) Ethylbenzene	11.59	91	405921	26.360	ug/L	99
54) m,p-Xylene	11.70	106	159275	26.812	ug/L	98
55) o-xylene	12.03	106	152504	26.758	ug/L	99
56) Styrene	12.04	104	265540	27.223	ug/L	97
57) Isopropylbenzene	12.33	105	409247	27.465	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.59	83	83547	26.942	ug/L	95
59) 1,2,3-Trichloropropane	12.64	75	69952	25.231	ug/L	99
62) Bromoform	12.21	173	59081	24.827	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	198176	26.436	ug/L	100
64) 1,4-Dichlorobenzene	13.45	146	197392	25.901	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	182612	26.551	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.35	75	15543	24.260	ug/L	94
67) 1,3,5-Trichlorobenzene	14.50	180	139953	26.406	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	118257	26.156	ug/L	99
69) Naphthalene	15.24	128	243511	25.679	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	107748	26.089	ug/L	98

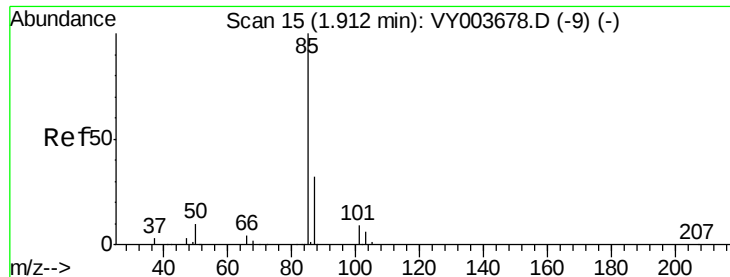
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.403 ug/L

RT: 1.91 min Scan# 15

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

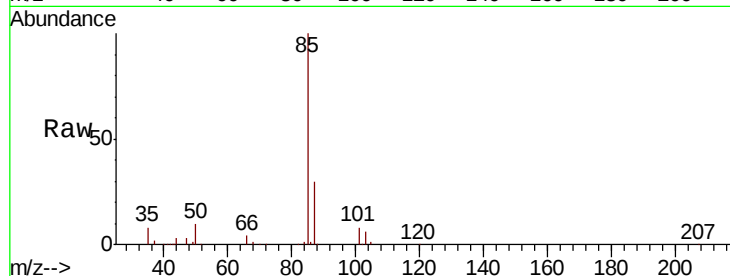
BFB87

Tot Ion: 85 Resp: 69597

Ion Ratio Lower Upper

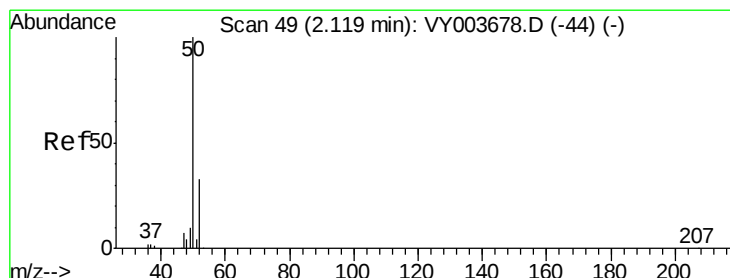
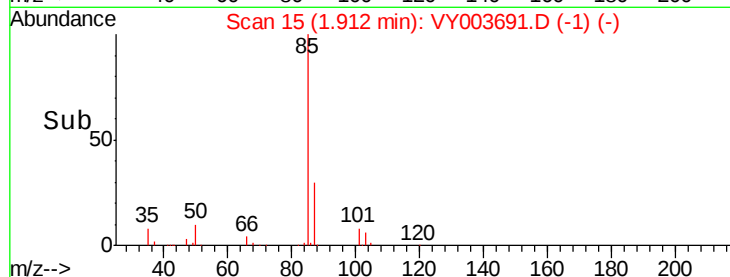
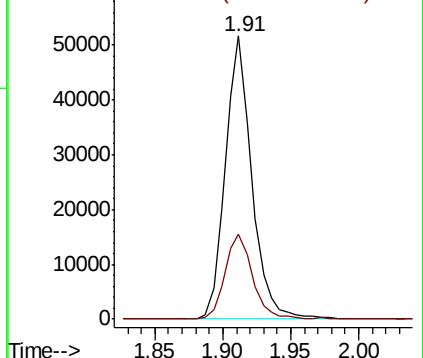
85 100

87 31.5 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 23.844 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003691.D

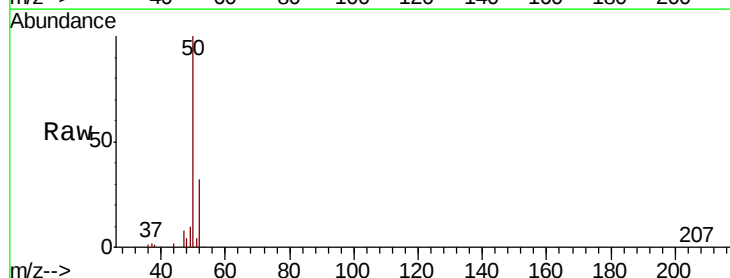
Acq: 09 Dec 2020 09:58

Tgt Ion: 50 Resp: 70895

Ion Ratio Lower Upper

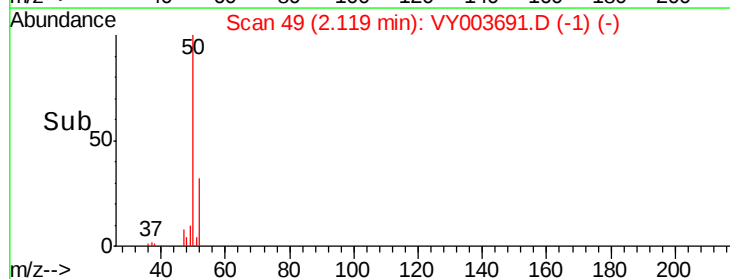
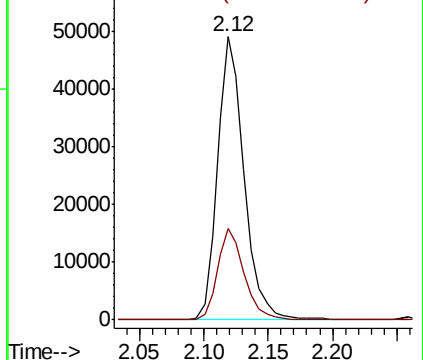
50 100

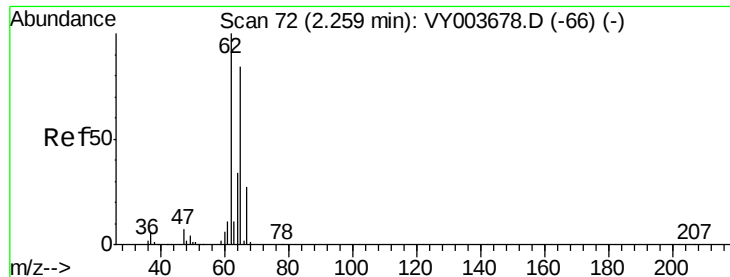
52 32.3 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 25.172 ug/L

RT: 2.26 min Scan# 72

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

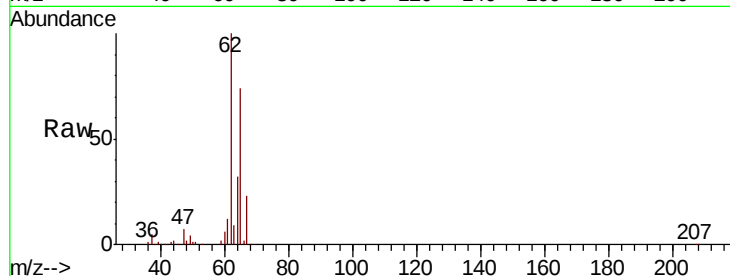
BFB87

Tot Ion: 62 Resp: 79139

Ion Ratio Lower Upper

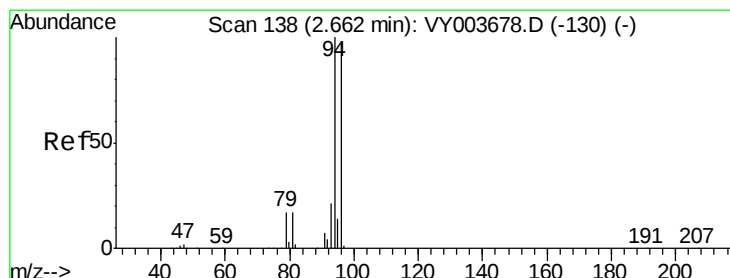
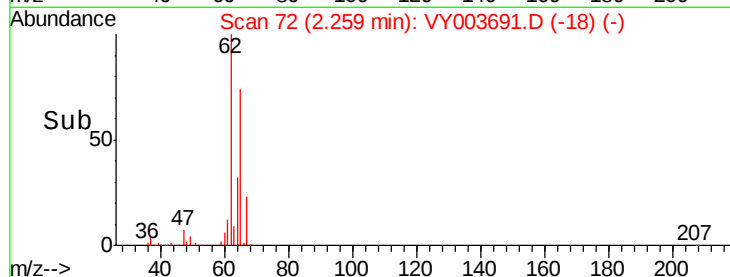
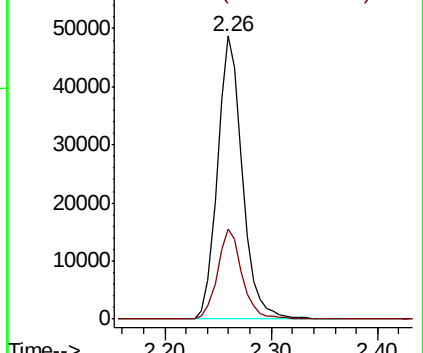
62 100

64 31.9 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 24.251 ug/L

RT: 2.66 min Scan# 138

Delta R.T. -0.00 min

Lab File: VY003691.D

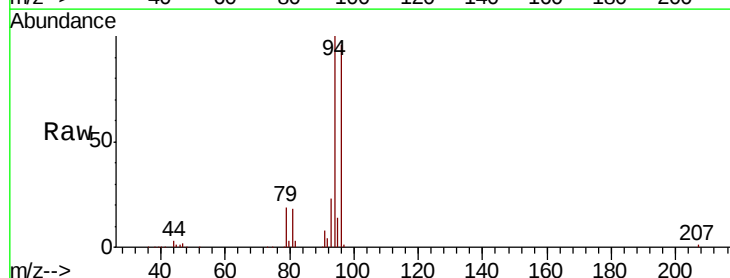
Acq: 09 Dec 2020 09:58

Tgt Ion: 94 Resp: 49298

Ion Ratio Lower Upper

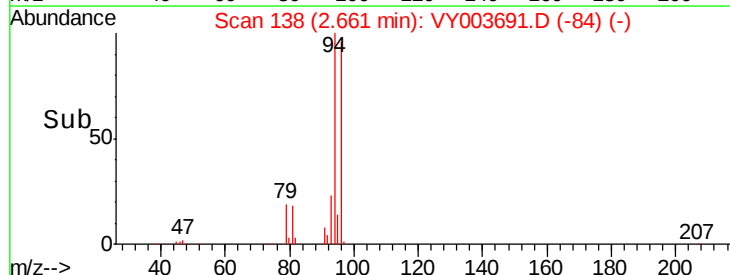
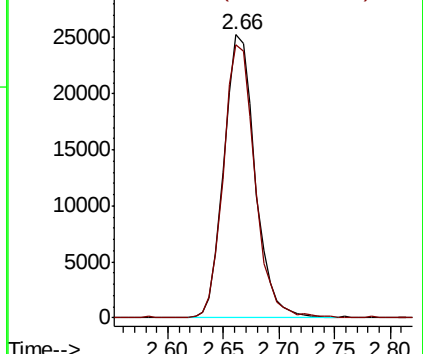
94 100

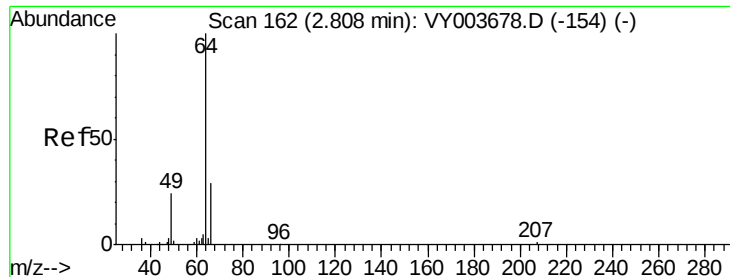
96 97.2 9.2 174.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

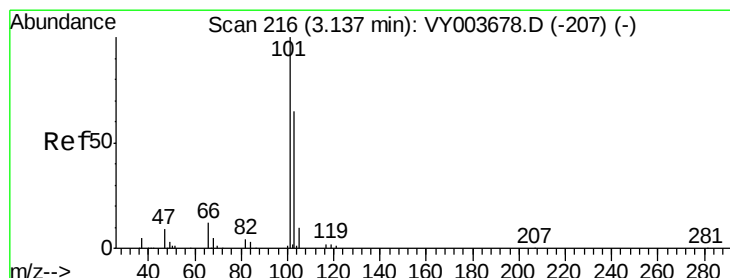
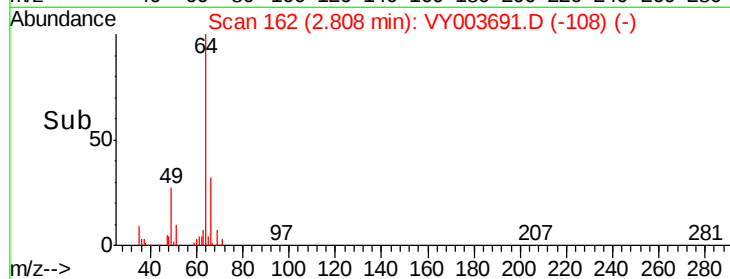
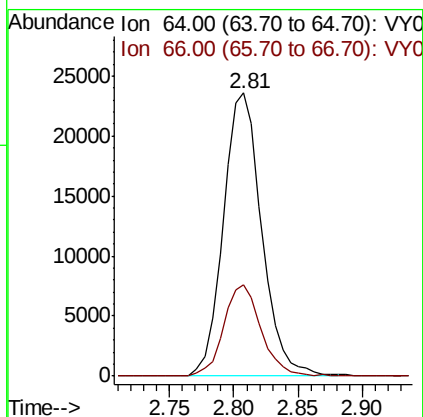
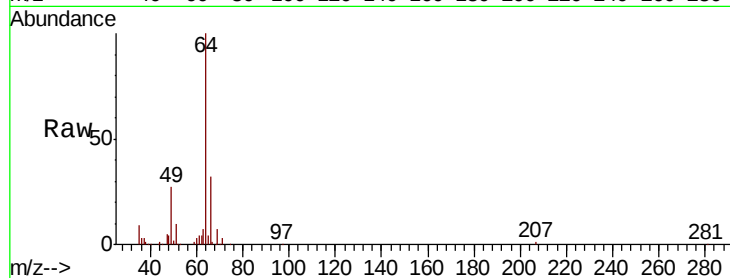




#8
Chloroethane
Concen: 25.610 ug/L
RT: 2.81 min Scan# 162
Delta R.T. -0.00 min
Lab File: VY003691.D
Acq: 09 Dec 2020 09:58

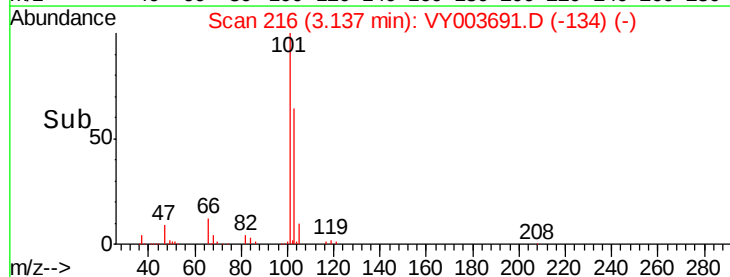
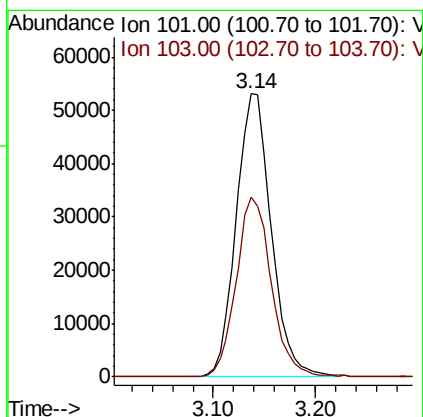
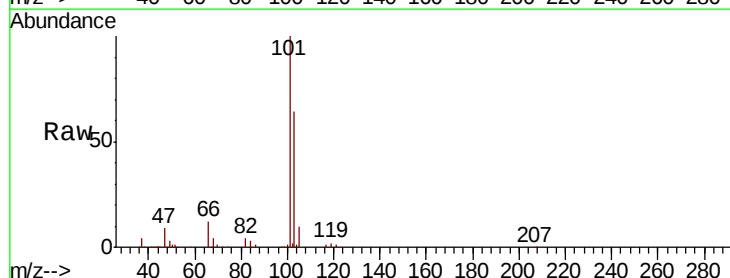
Instrument :
MSVOA_Y
ClientSampleId :
BFB87

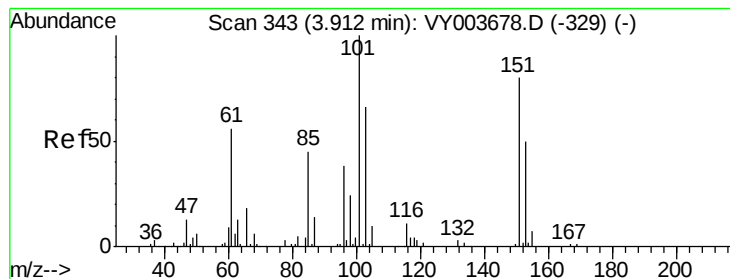
Tot Ion: 64 Resp: 49023
Ion Ratio Lower Upper
64 100
66 32.5 23.8 44.2



#9
Trichlorofluoromethane
Concen: 26.404 ug/L
RT: 3.14 min Scan# 216
Delta R.T. -0.00 min
Lab File: VY003691.D
Acq: 09 Dec 2020 09:58

Tgt Ion: 101 Resp: 127097
Ion Ratio Lower Upper
101 100
103 63.6 45.1 83.7





#11

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

Concen: 26.156 ug/L

RT: 3.91 min Scan# 343

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

BFB87

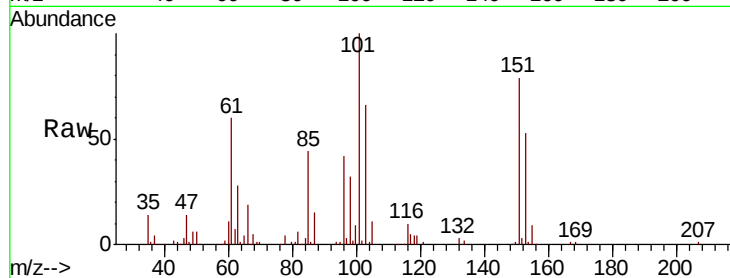
Tot Ion:101 Resp: 80936

Ion Ratio Lower Upper

101 100

85 42.6 33.9 50.9

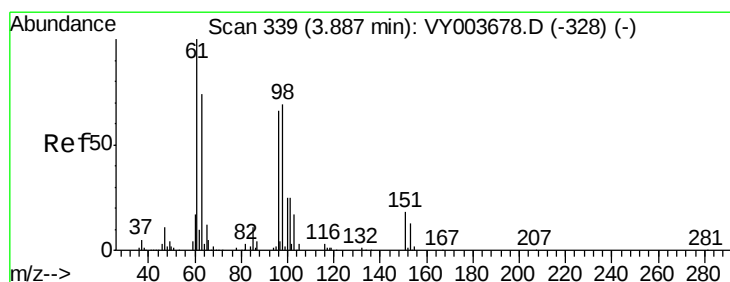
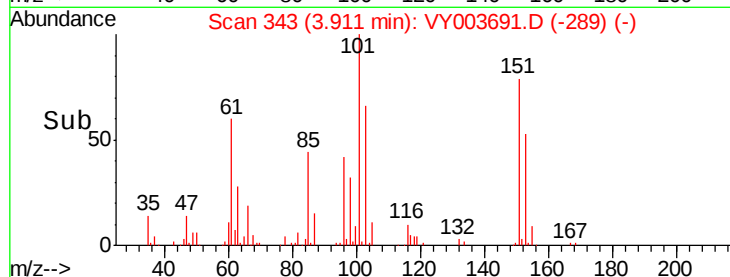
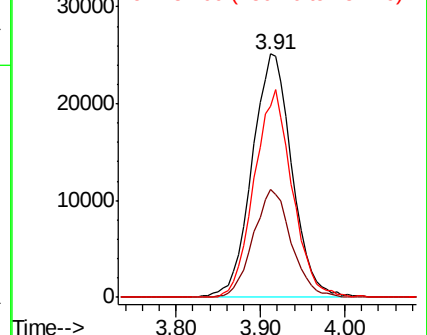
151 81.4 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VY003678.D (-329) (-)

Ion 85.00 (84.70 to 85.70): VY003678.D (-329) (-)

Ion 151.00 (150.70 to 151.70): VY003678.D (-329) (-)



#12

1,1-Dichloroethene

Concen: 26.180 ug/L

RT: 3.89 min Scan# 339

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

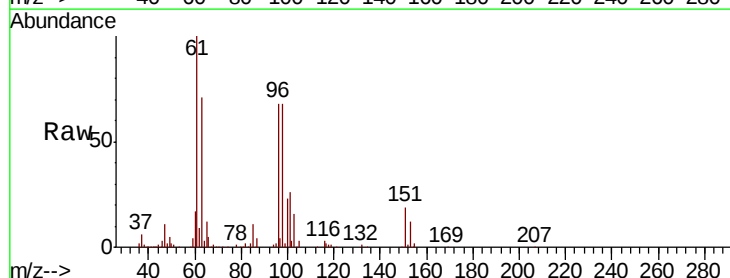
Tgt Ion: 96 Resp: 76381

Ion Ratio Lower Upper

96 100

61 147.9 108.5 201.5

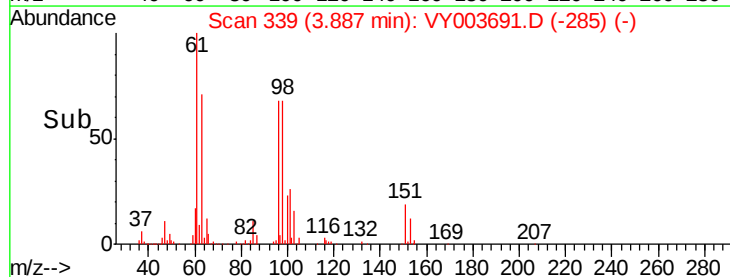
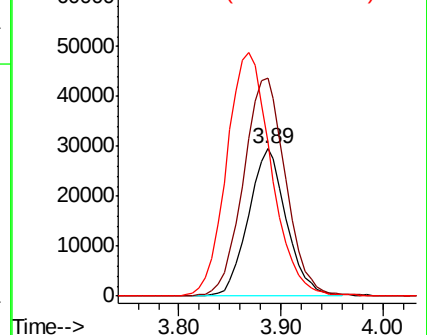
63 104.7 87.8 163.0

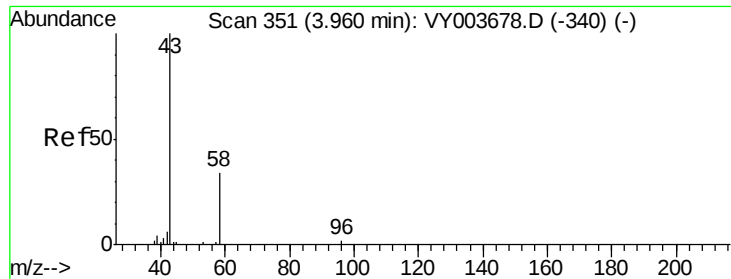


Abundance Ion 96.00 (95.70 to 96.70): VY003678.D (-328) (-)

Ion 61.00 (60.70 to 61.70): VY003678.D (-328) (-)

Ion 63.00 (62.70 to 63.70): VY003678.D (-328) (-)





#13

Acetone

Concen: 44.296 ug/L

RT: 3.97 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

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ClientSampleId :

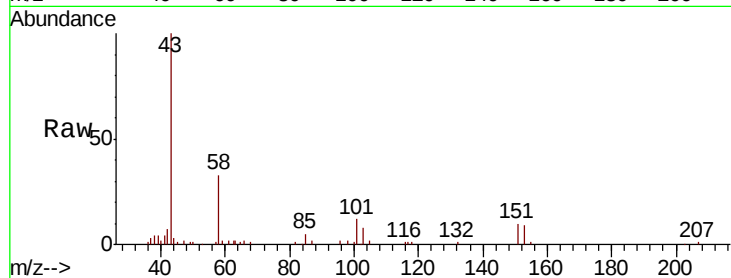
BFB87

Tot Ion: 43 Resp: 39908

Ion Ratio Lower Upper

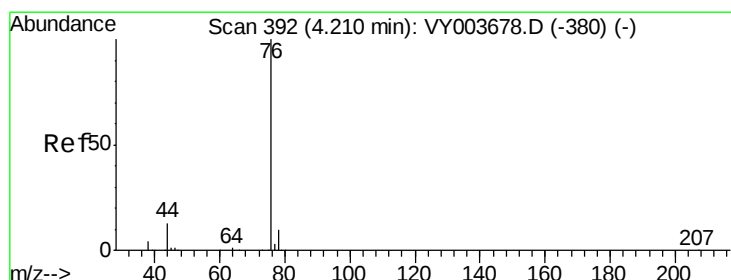
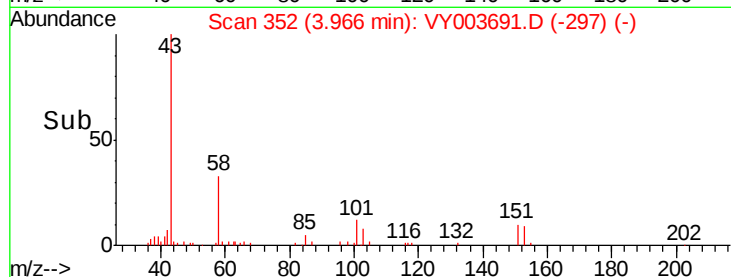
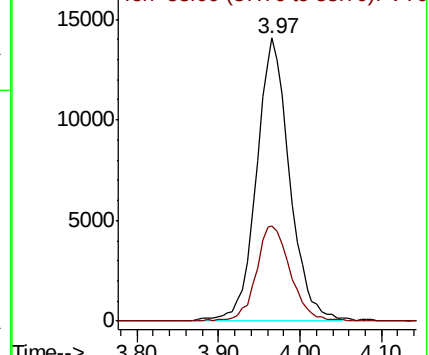
43 100

58 33.0 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 25.561 ug/L

RT: 4.21 min Scan# 392

Delta R.T. -0.00 min

Lab File: VY003691.D

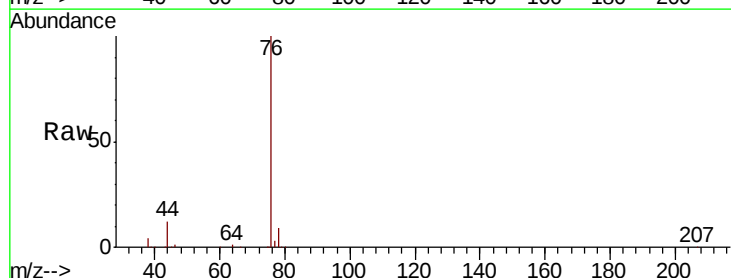
Acq: 09 Dec 2020 09:58

Tgt Ion: 76 Resp: 248556

Ion Ratio Lower Upper

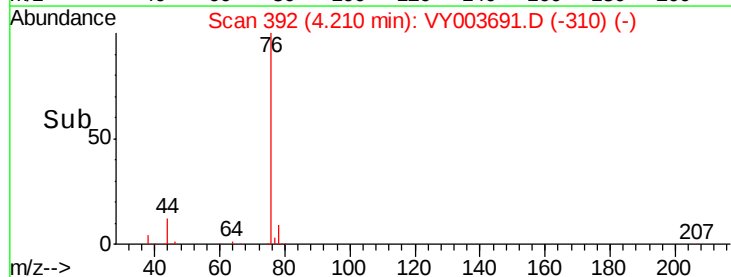
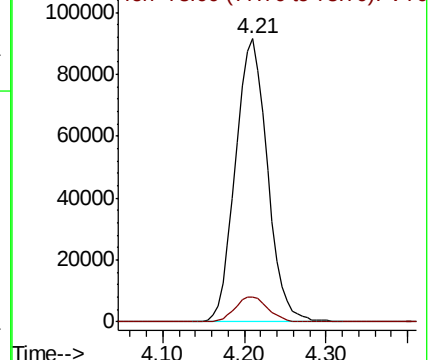
76 100

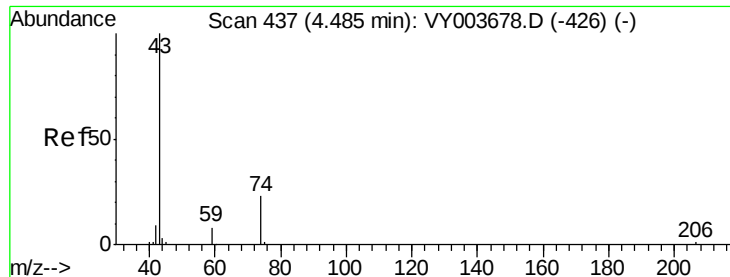
78 8.8 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0





#15

Methyl Acetate

Concen: 23.420 ug/L

RT: 4.50 min Scan# 439

Delta R.T. 0.01 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

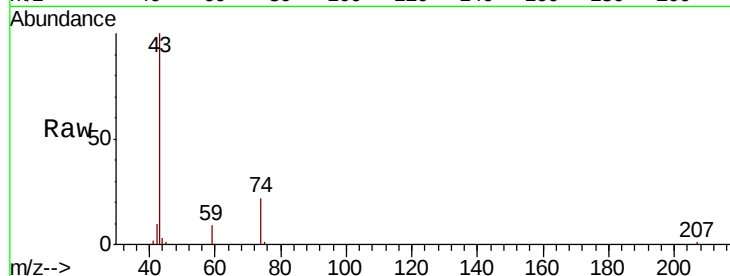
BFB87

Tot Ion: 43 Resp: 53092

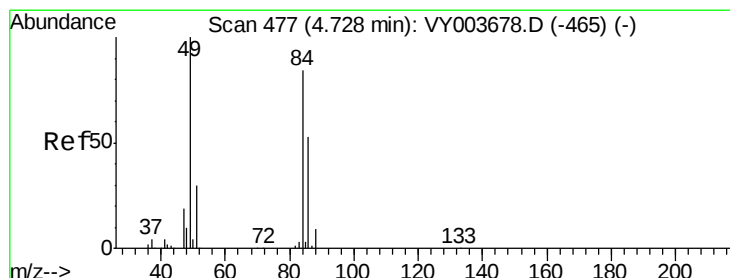
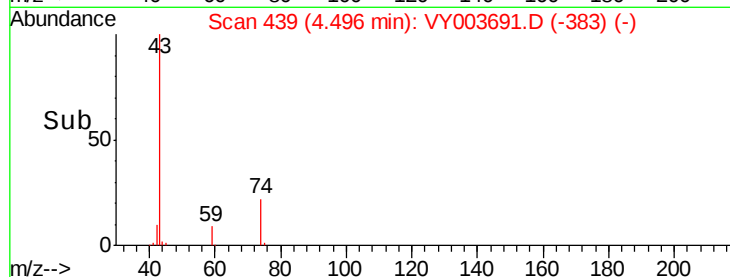
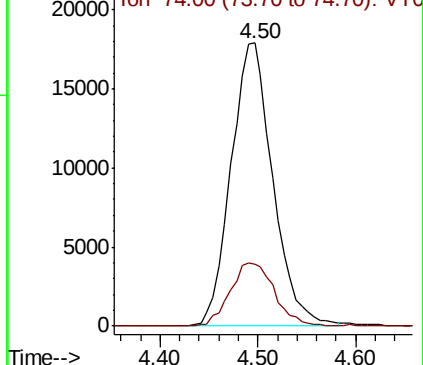
Ion Ratio Lower Upper

43 100

74 23.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VY003691.D (-423) (-)



#16

Methylene chloride

Concen: 21.892 ug/L

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

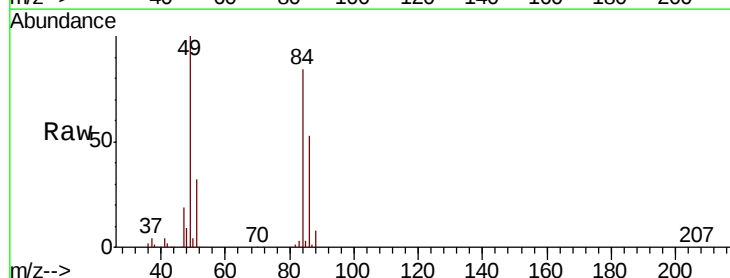
Tgt Ion: 84 Resp: 93709

Ion Ratio Lower Upper

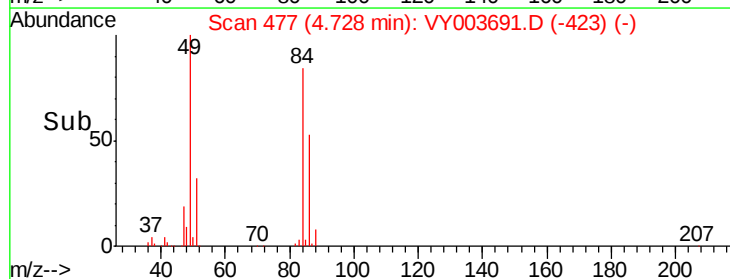
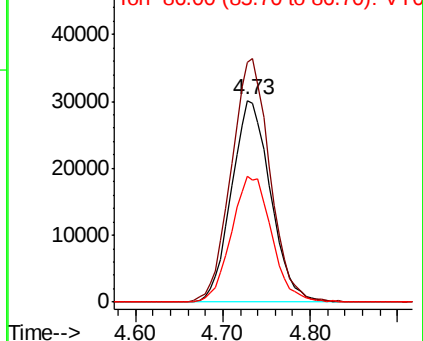
84 100

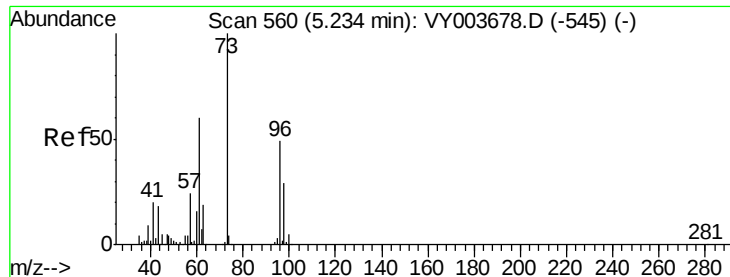
49 118.5 83.7 155.4

86 62.3 45.0 83.6



Abundance Ion 84.00 (83.70 to 84.70): VY003691.D (-423) (-)

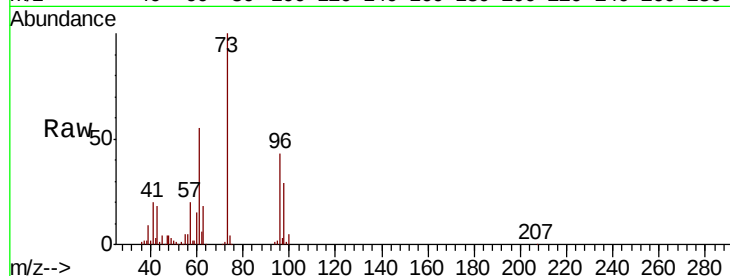




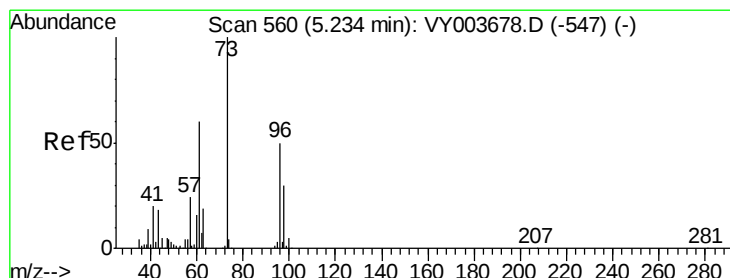
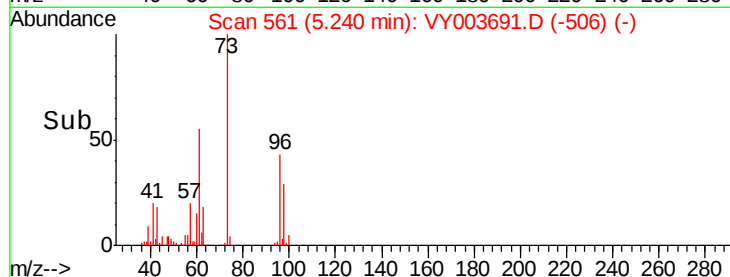
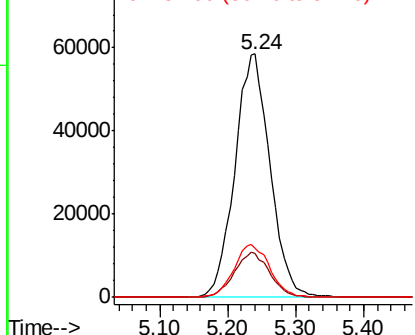
#17
Methvl tert-butvl Ether
Concen: 25.429 ug/L
RT: 5.24 min Scan# 561
Delta R.T. 0.01 min
Lab File: VY003691.D
Acq: 09 Dec 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
BFB87

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.6	14.9	22.3
57	22.0	18.1	27.1

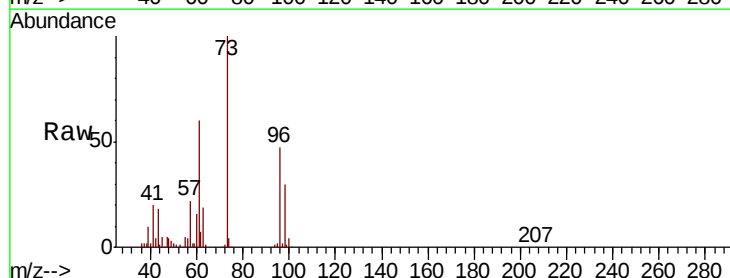


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

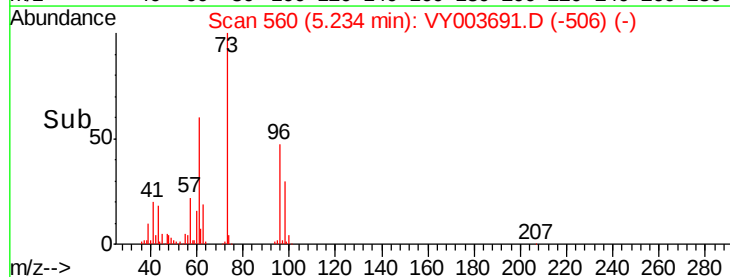
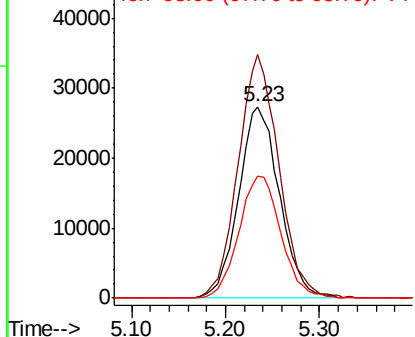


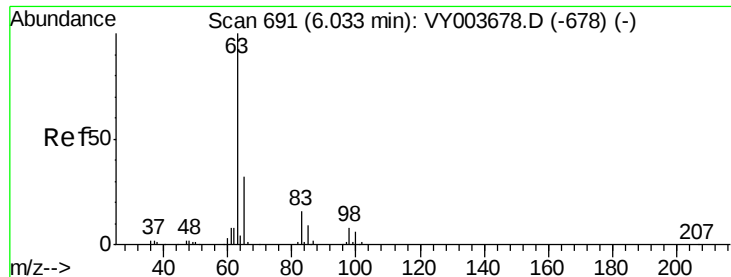
#18
trans-1,2-Dichloroethene
Concen: 25.244 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.00 min
Lab File: VY003691.D
Acq: 09 Dec 2020 09:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.4	90.8	168.6
98	63.6	44.2	82.0



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: 25.529 ug/L

RT: 6.03 min Scan# 691

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

BFB87

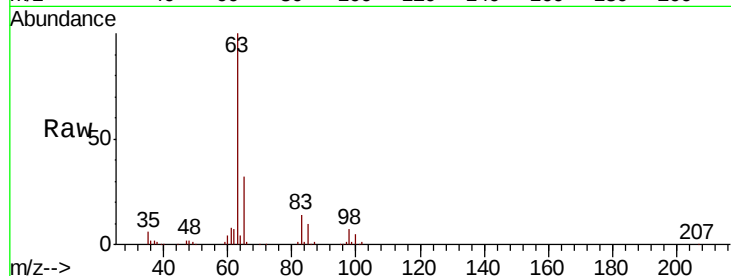
Tot Ion: 63 Resp: 140787

Ion Ratio Lower Upper

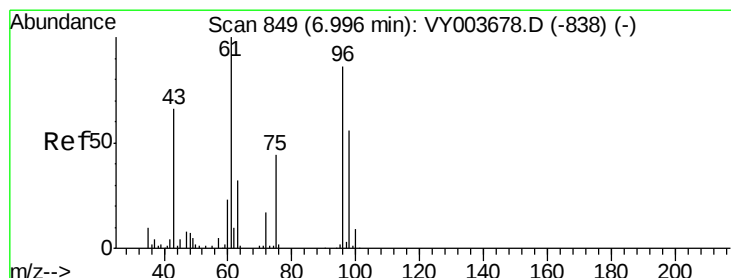
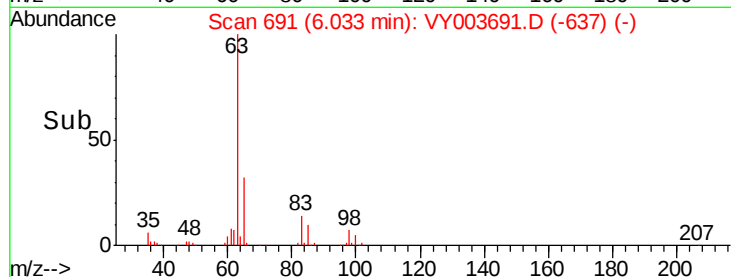
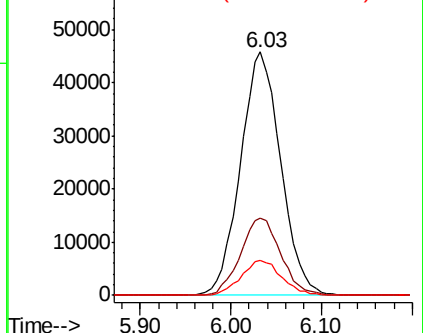
63 100

65 32.0 22.7 42.1

83 14.3 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 65.00 (64.70 to 65.70): VY0
Ion 83.00 (82.70 to 83.70): VY0



#21

2-Butanone

Concen: 42.310 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.01 min

Lab File: VY003691.D

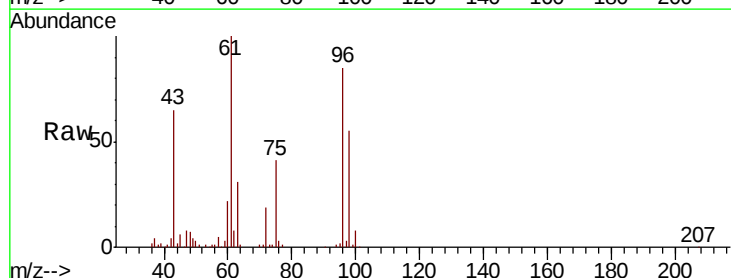
Acq: 09 Dec 2020 09:58

Tgt Ion: 43 Resp: 67310

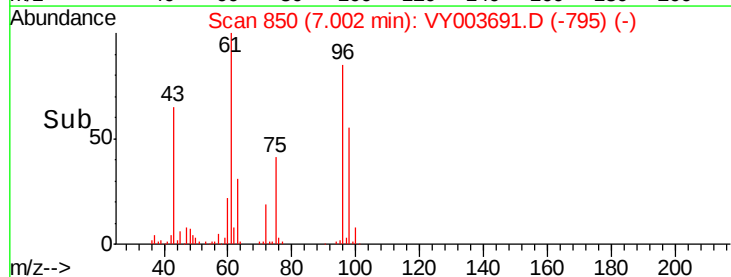
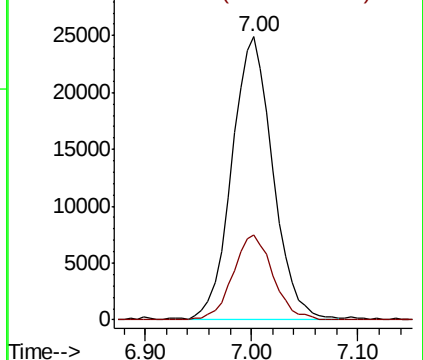
Ion Ratio Lower Upper

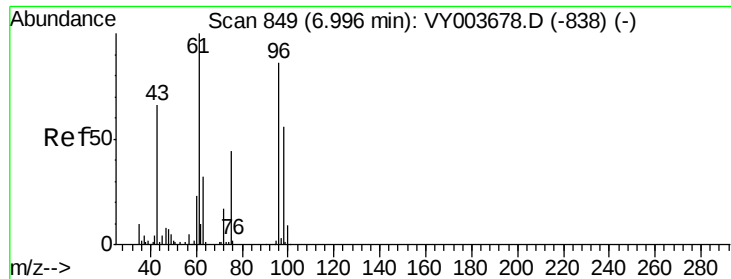
43 100

72 29.4 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



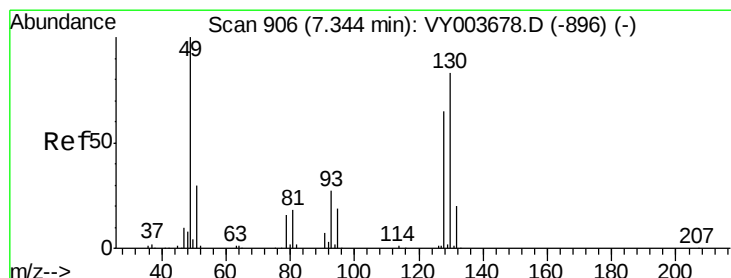
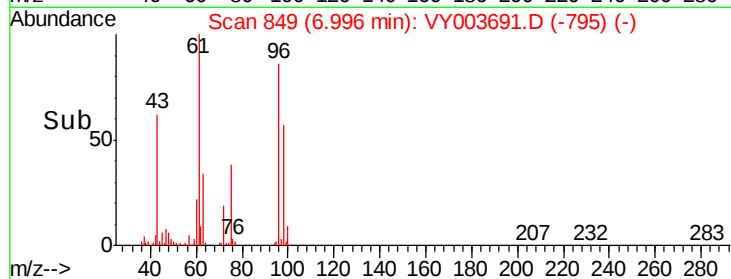
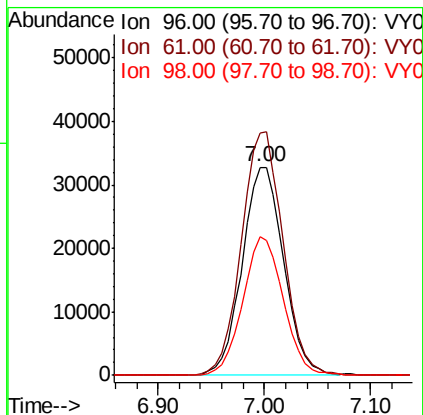
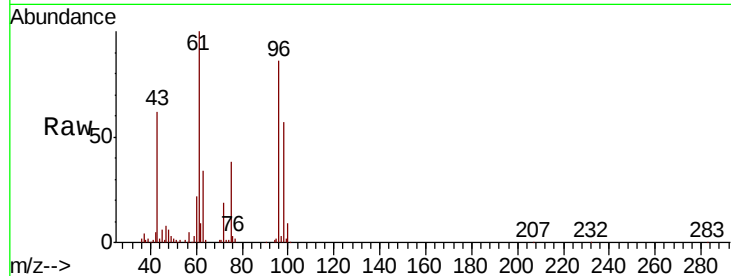


#22

cis-1,2-Dichloroethene
Concen: 25.619 ug/L
RT: 7.00 min Scan# 849
Delta R.T. -0.00 min
Lab File: VY003691.D
Acq: 09 Dec 2020 09:58

Instrument :
MSVOA_Y
ClientSampled :
BFB87

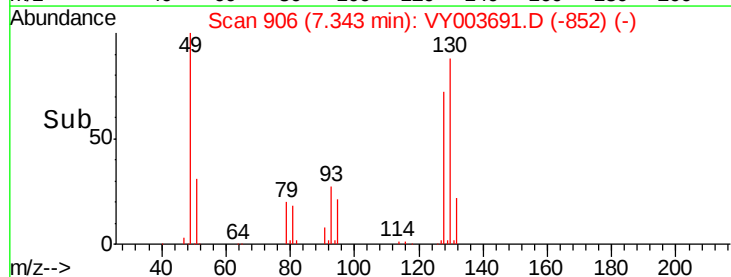
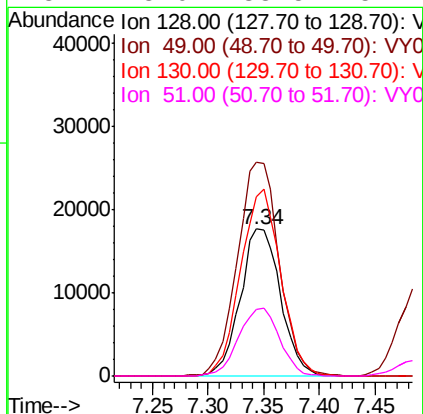
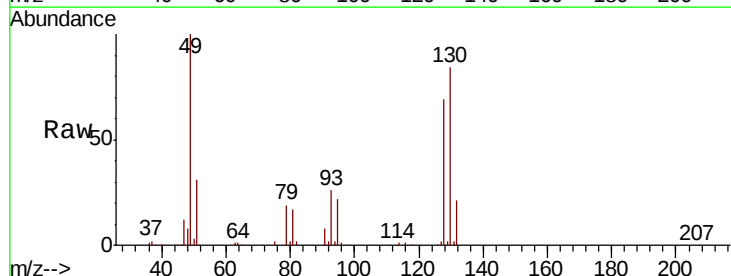
Tot Ion: 96 Resp: 89687
Ion Ratio Lower Upper
96 100
61 116.8 85.8 159.4
98 66.5 46.5 86.3

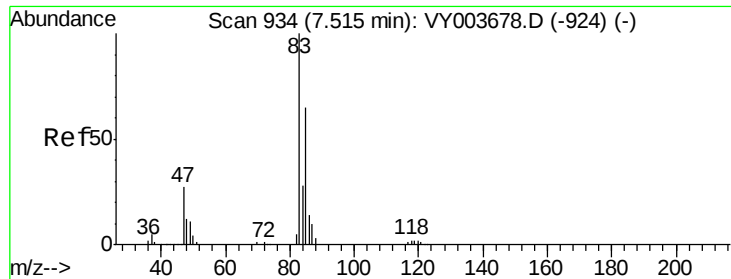


#23

Bromochloromethane
Concen: 25.555 ug/L
RT: 7.34 min Scan# 906
Delta R.T. -0.00 min
Lab File: VY003691.D
Acq: 09 Dec 2020 09:58

Tgt Ion: 128 Resp: 44660
Ion Ratio Lower Upper
128 100
49 145.5 113.8 211.3
130 122.2 89.7 166.5
51 45.0 38.5 57.7

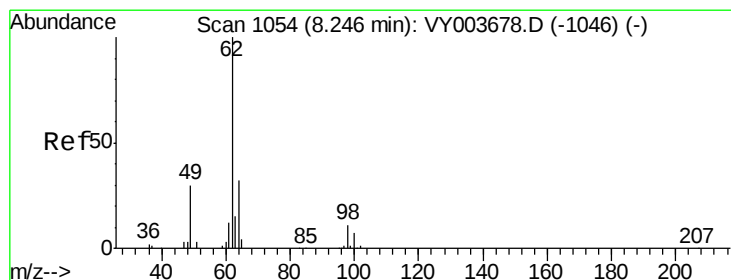
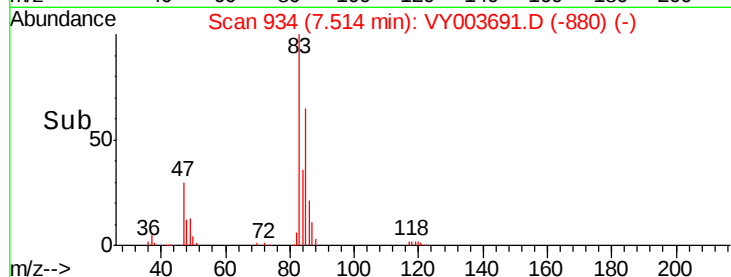
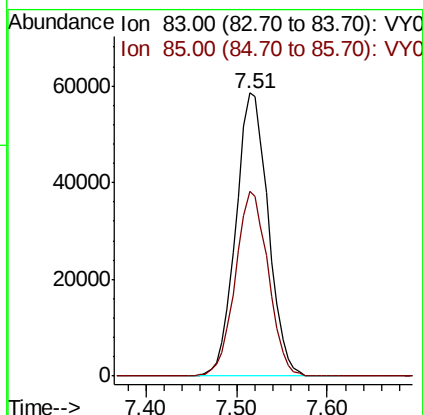
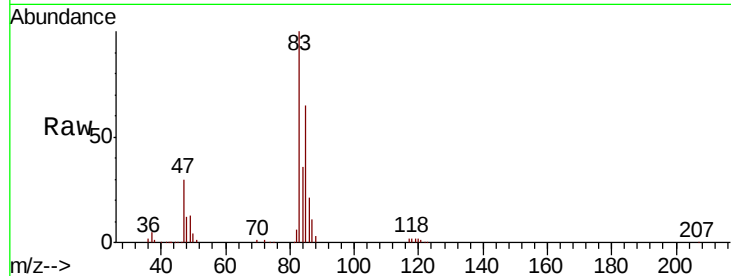




#25
Chloroform
Concen: 25.922 ug/L
RT: 7.51 min Scan# 934
Delta R.T. -0.00 min
Lab File: VY003691.D
Acq: 09 Dec 2020 09:58

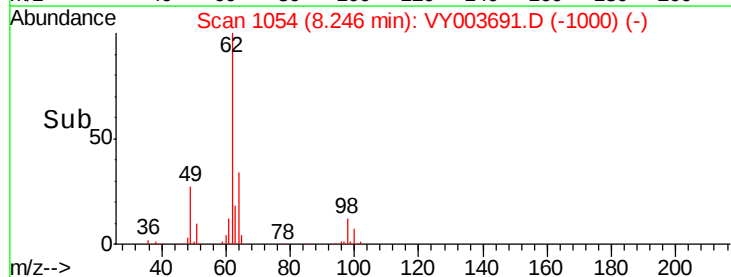
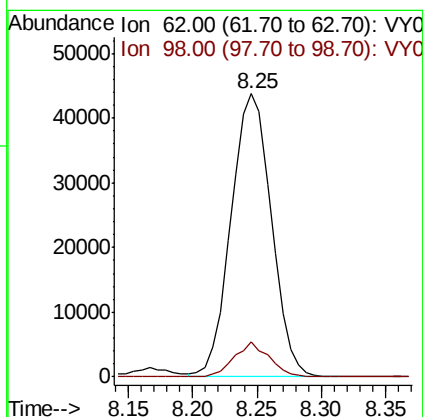
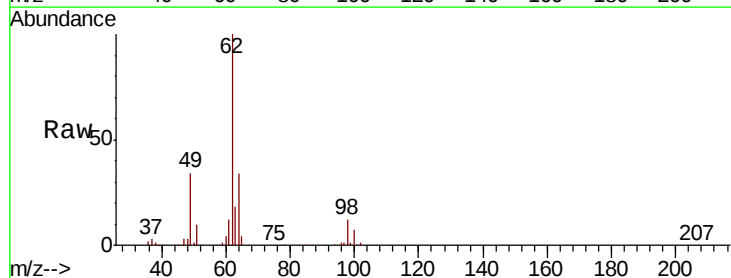
Instrument :
MSVOA_Y
ClientSampleId :
BFB87

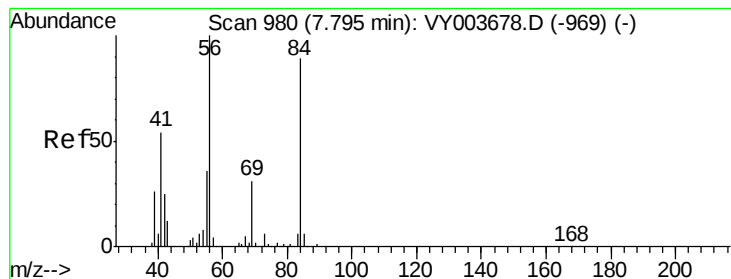
Tot Ion: 83 Resp: 144709
Ion Ratio Lower Upper
83 100
85 66.4 46.5 86.5



#27
1,2-Dichloroethane
Concen: 25.258 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003691.D
Acq: 09 Dec 2020 09:58

Tgt Ion: 62 Resp: 95376
Ion Ratio Lower Upper
62 100
98 12.2 8.0 12.0#





#30

Cyclohexane

Concen: 25.706 ug/L

RT: 7.79 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

BFB87

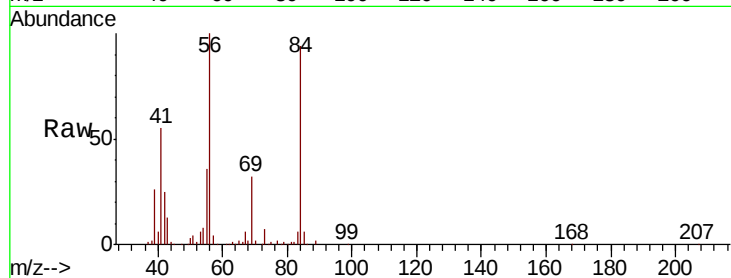
Tot Ion: 56 Resp: 129499

Ion Ratio Lower Upper

56 100

69 31.0 23.8 35.8

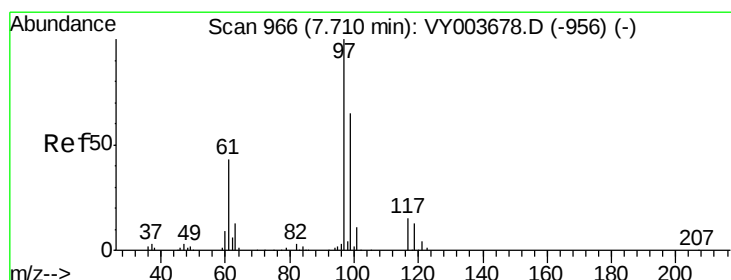
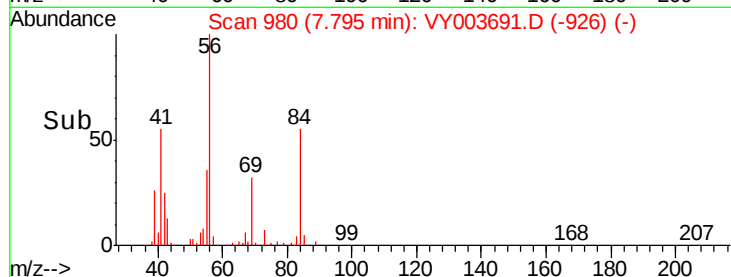
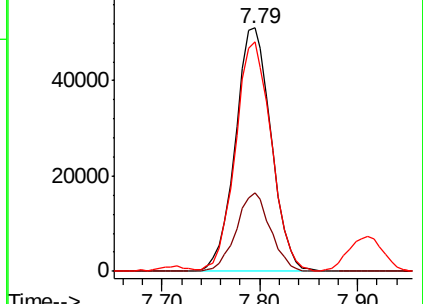
84 94.8 73.2 109.8



Abundance Ion 56.00 (55.70 to 56.70): VY003691.D (-926) (-)

Ion 69.00 (68.70 to 69.70): VY003691.D (-926) (-)

Ion 84.00 (83.70 to 84.70): VY003691.D (-926) (-)



#31

1,1,1-Trichloroethane

Concen: 25.912 ug/L

RT: 7.71 min Scan# 966

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

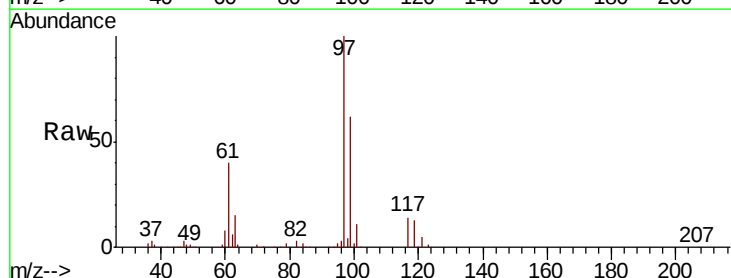
Tgt Ion: 97 Resp: 129155

Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

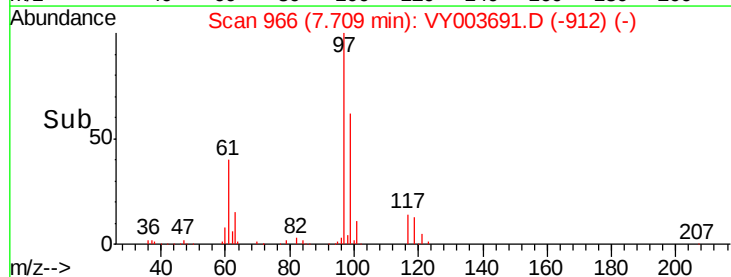
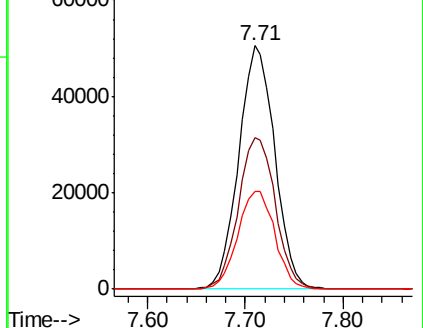
61 41.5 34.0 51.0

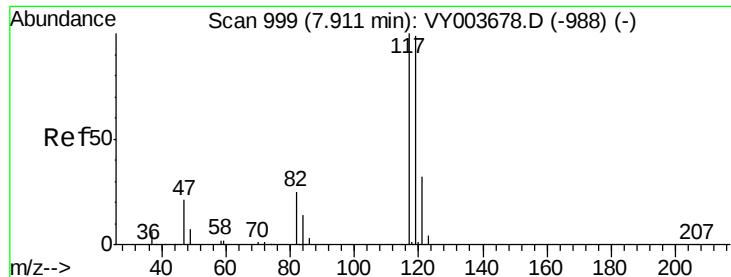


Abundance Ion 97.00 (96.70 to 97.70): VY003691.D (-912) (-)

Ion 99.00 (98.70 to 99.70): VY003691.D (-912) (-)

Ion 61.00 (60.70 to 61.70): VY003691.D (-912) (-)





#32

Carbon tetrachloride

Concen: 26.616 ug/L

RT: 7.91 min Scan# 999

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampled :

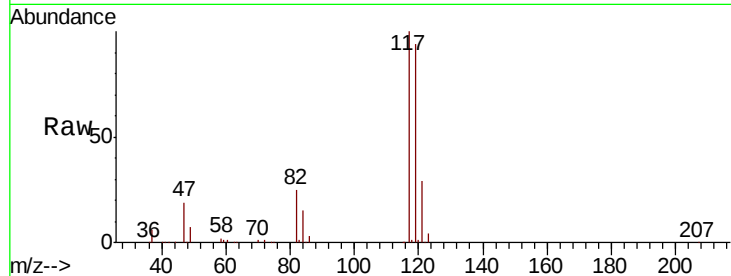
BFB87

Tot Ion:117 Resp: 117764

Ion Ratio Lower Upper

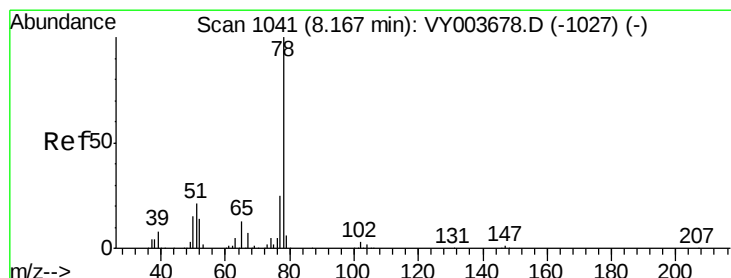
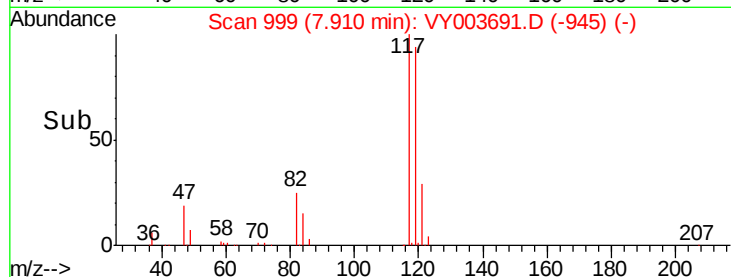
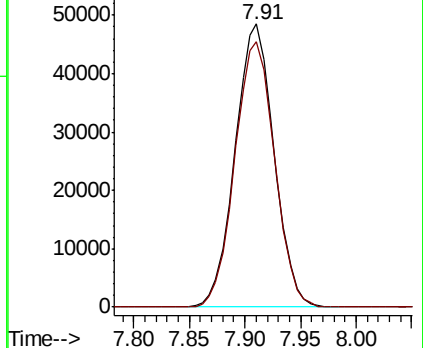
117 100

119 95.5 75.4 113.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.669 ug/L

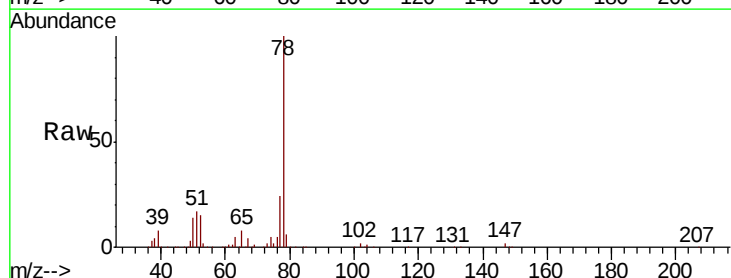
RT: 8.17 min Scan# 1042

Delta R.T. 0.01 min

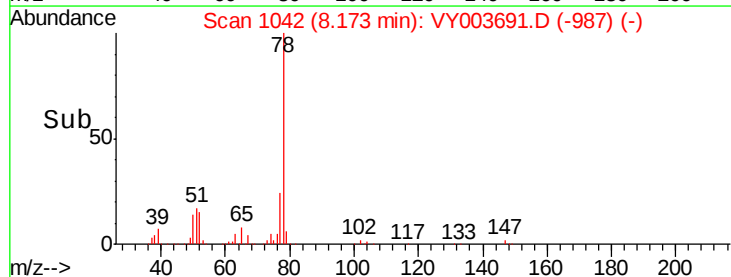
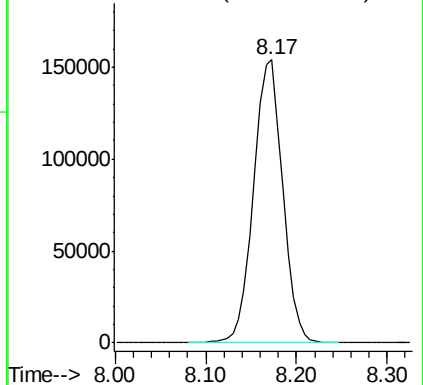
Lab File: VY003691.D

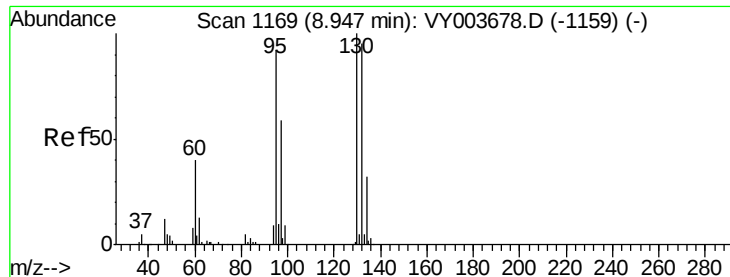
Acq: 09 Dec 2020 09:58

Tgt Ion: 78 Resp: 343350



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 24.912 ug/L

RT: 8.95 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

BFB87

Tot Ion: 95 Resp: 91488

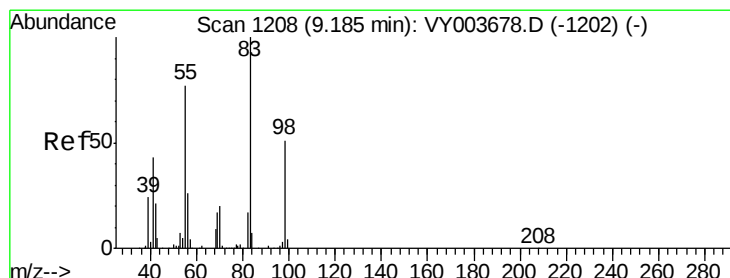
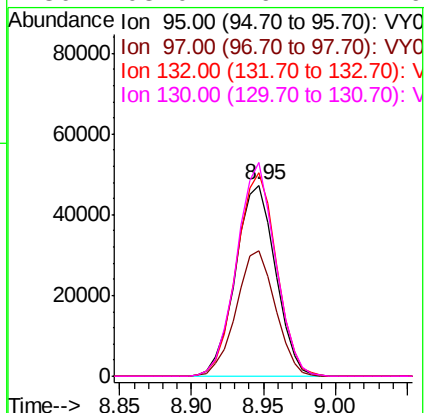
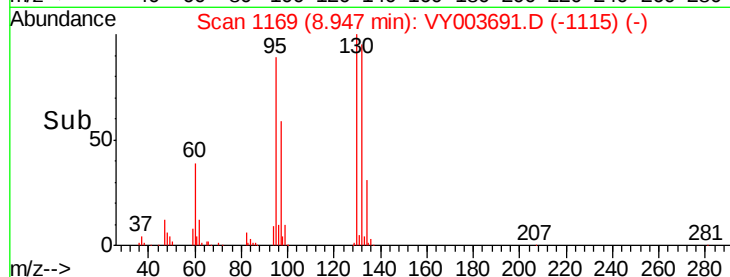
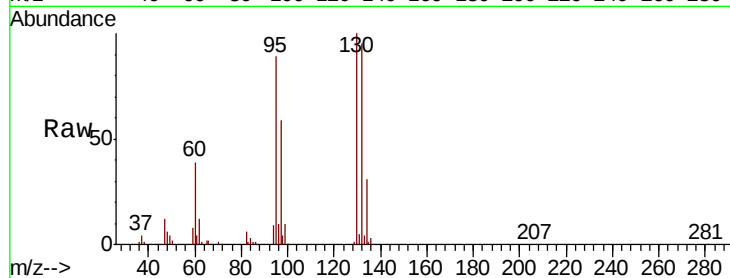
Ion Ratio Lower Upper

95 100

97 64.2 45.8 85.0

132 105.9 74.2 137.8

130 108.0 76.2 141.6



#36

Methylcyclohexane

Concen: 26.580 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

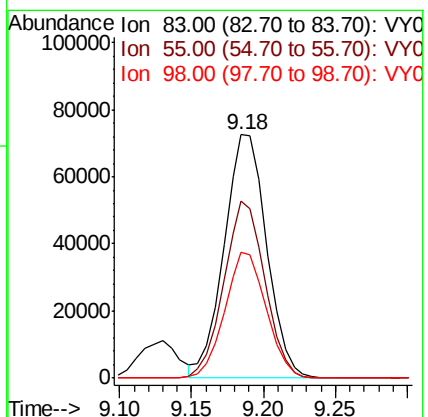
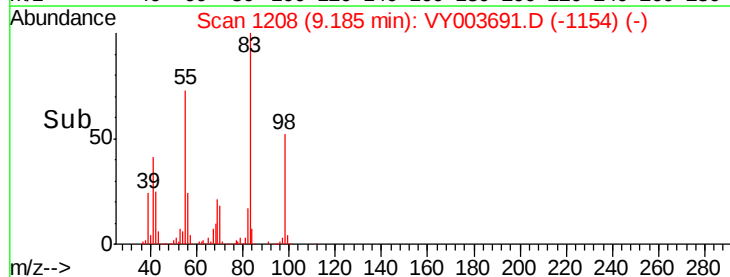
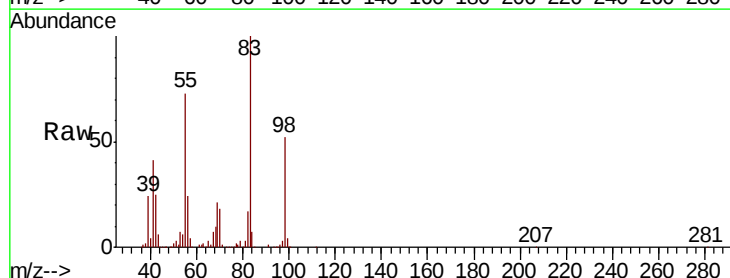
Tgt Ion: 83 Resp: 149590

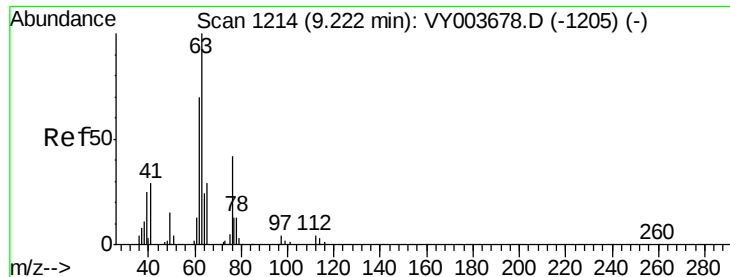
Ion Ratio Lower Upper

83 100

55 70.1 56.4 84.6

98 50.3 40.3 60.5





#40

1,2-Dichloropropane

Concen: 25.320 ug/L

RT: 9.22 min Scan# 1214

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

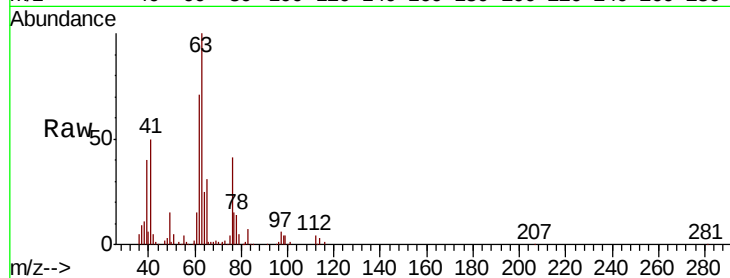
BFB87

Tot Ion: 63 Resp: 84944

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V

9.22

50000

40000

30000

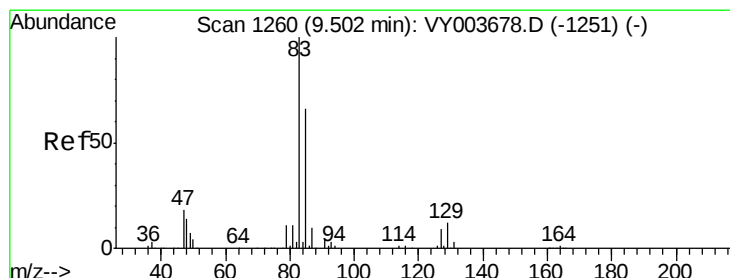
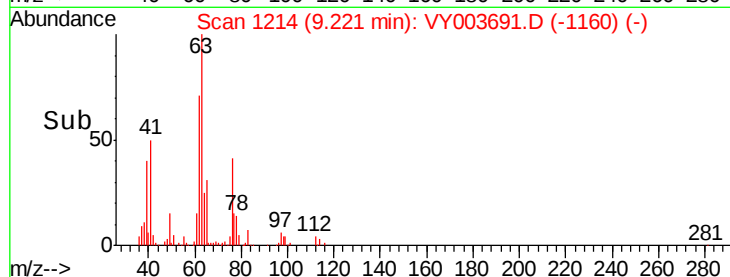
20000

10000

0

9.15 9.20 9.25 9.30

Time-->



#41

Bromodichloromethane

Concen: 25.524 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

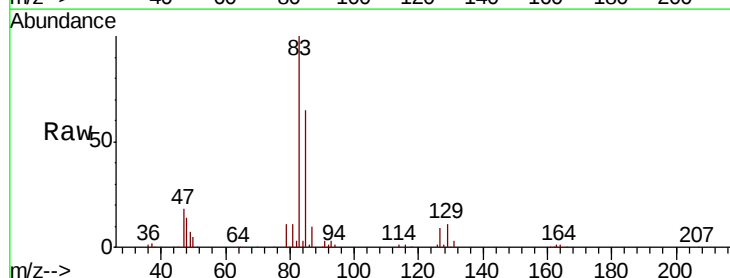
Tgt Ion: 83 Resp: 108793

Ion Ratio Lower Upper

83 100

85 65.0 44.0 81.6

127 8.7 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V

80000

60000

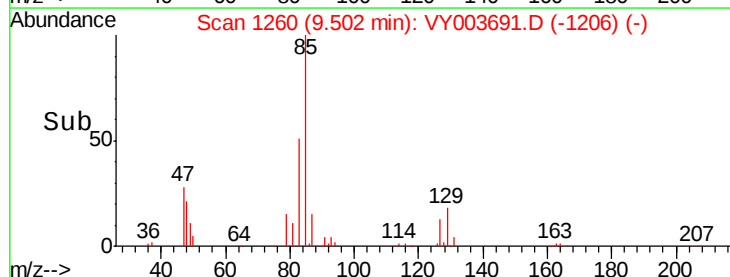
40000

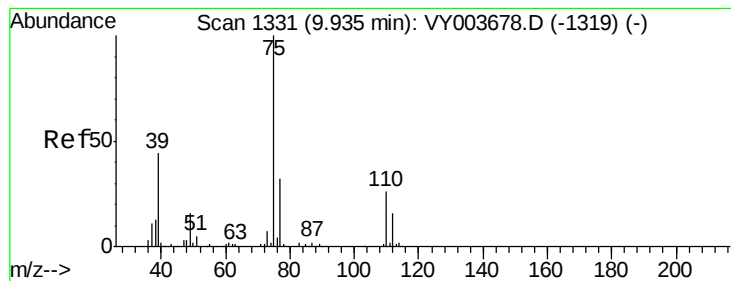
20000

0

9.45 9.50 9.55

Time-->



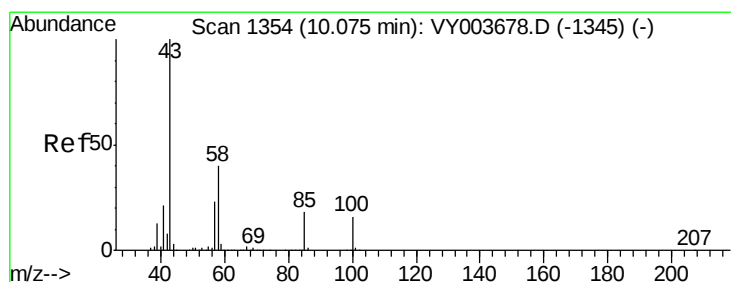
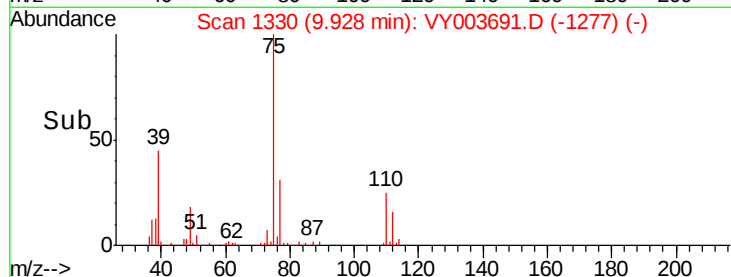
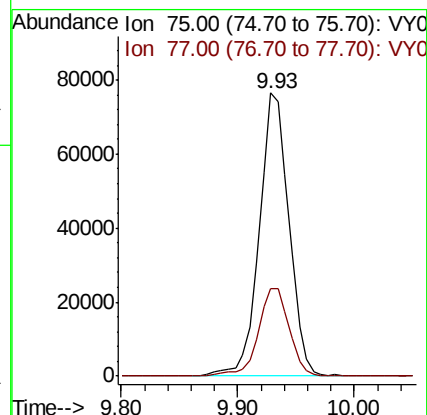
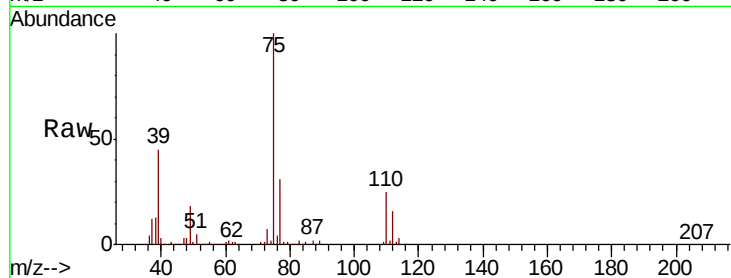


#42

cis-1,3-Dichloropropene
 Concen: 25.659 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VY003691.D
 Acq: 09 Dec 2020 09:58

Instrument :
 MSVOA_Y
 ClientSampled :
 BFB87

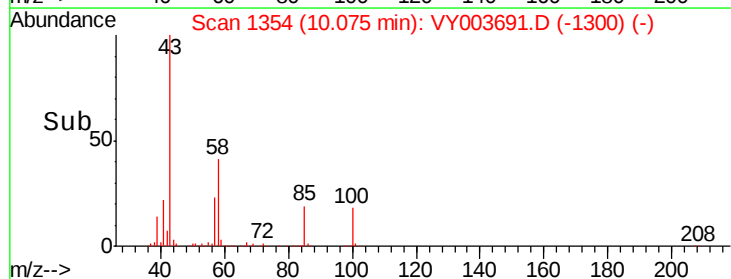
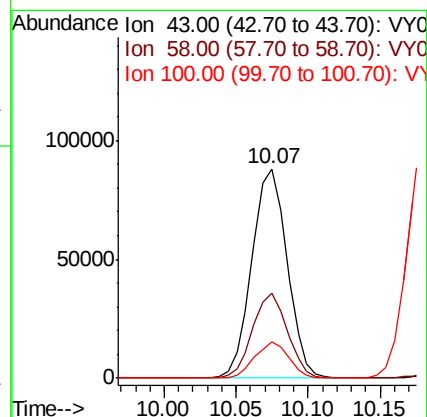
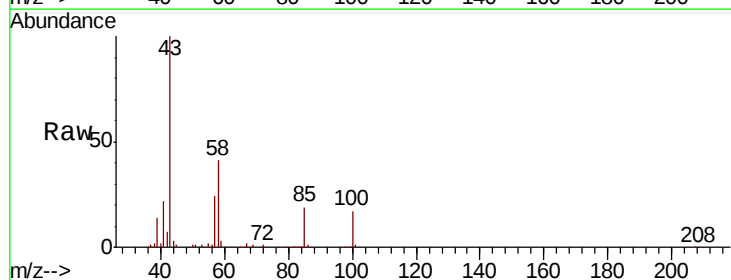
Tot Ion: 75 Resp: 135495
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.3 39.6

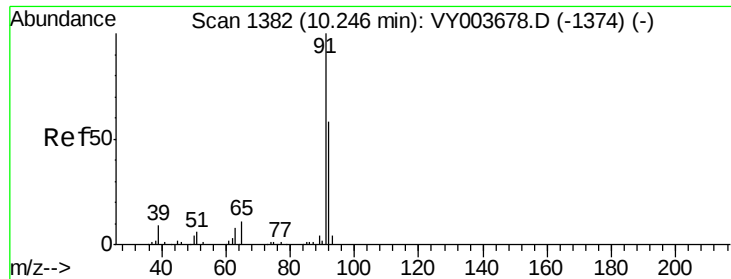


#43

4-Methyl-2-pentanone
 Concen: 47.478 ug/L
 RT: 10.07 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VY003691.D
 Acq: 09 Dec 2020 09:58

Tgt Ion: 43 Resp: 149615
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.5 47.3
 100 16.9 12.7 19.1





#44

Toluene

Concen: 26.621 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

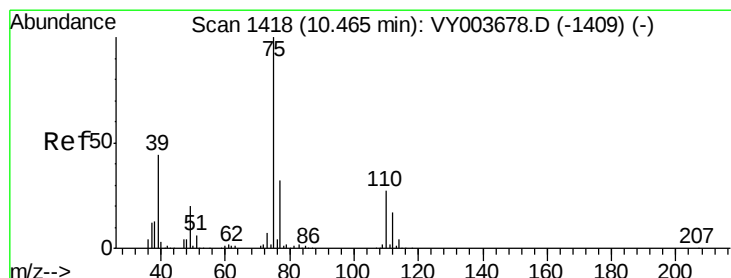
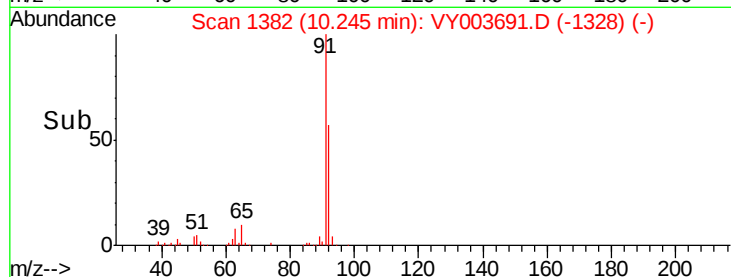
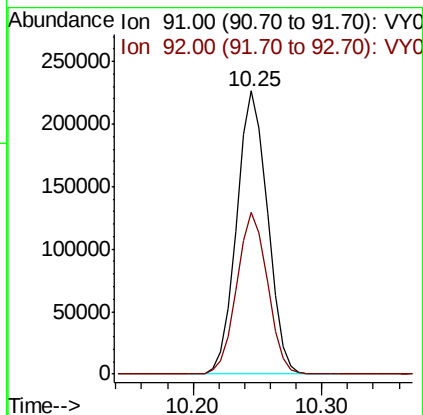
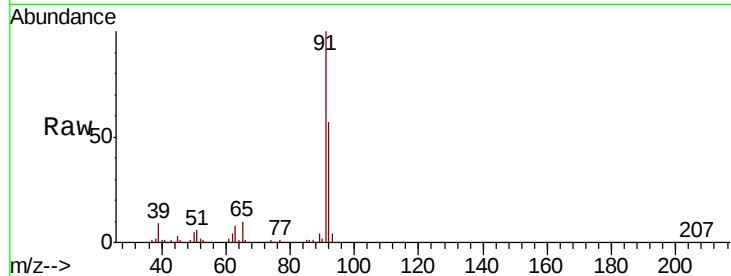
BFB87

Tot Ion: 91 Resp: 375619

Ion Ratio Lower Upper

91 100

92 57.1 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 26.070 ug/L

RT: 10.46 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003691.D

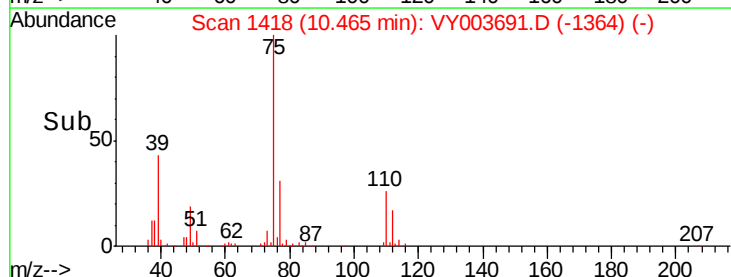
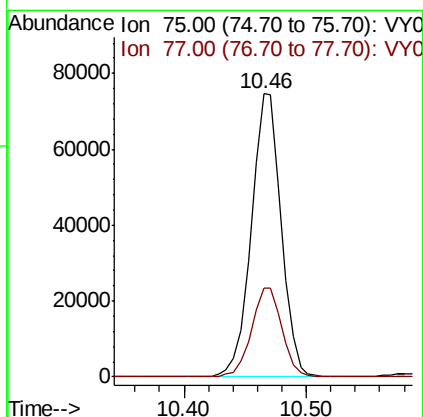
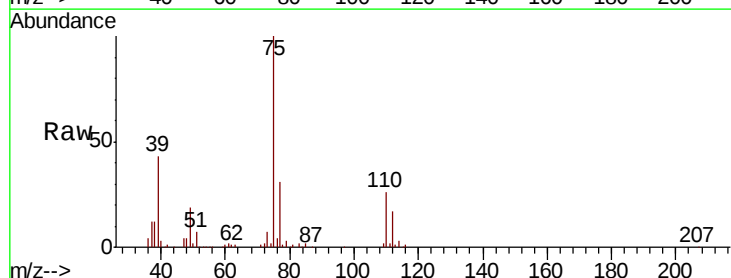
Acq: 09 Dec 2020 09:58

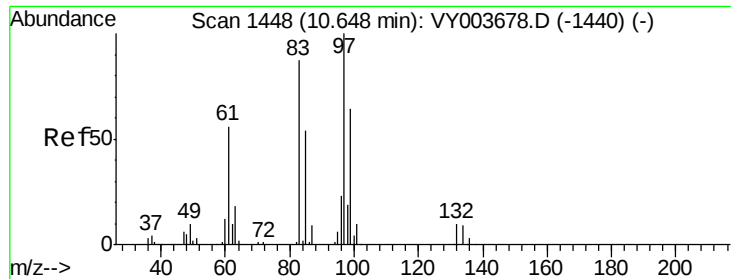
Tgt Ion: 75 Resp: 126887

Ion Ratio Lower Upper

75 100

77 31.5 22.0 40.8

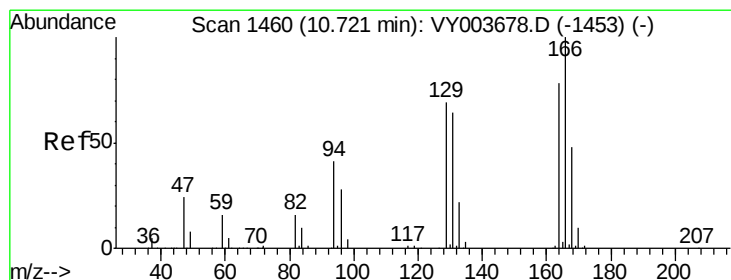
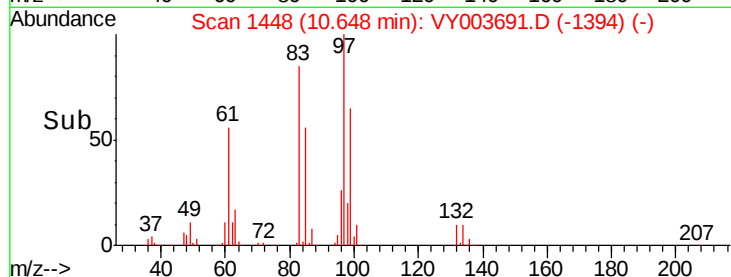
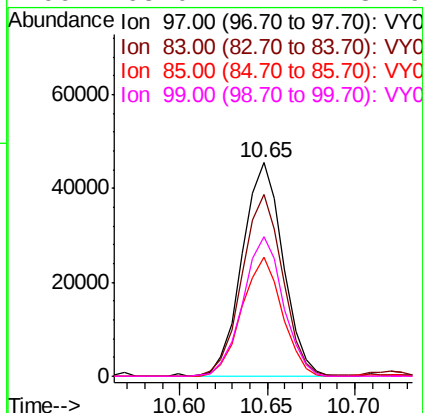
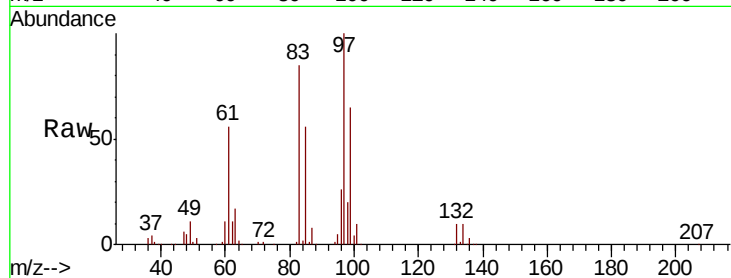




#46
1,1,2-Trichloroethane
Concen: 25.552 ug/L
RT: 10.65 min Scan# 1448
Delta R.T. -0.00 min
Lab File: VY003691.D
Acq: 09 Dec 2020 09:58

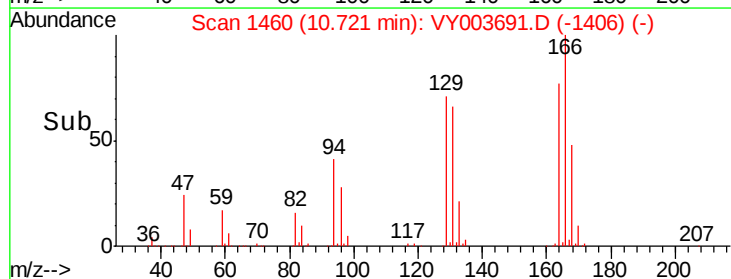
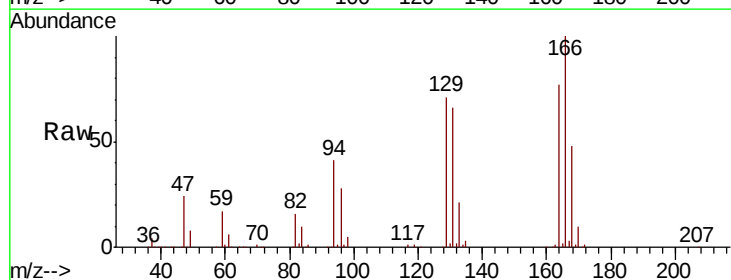
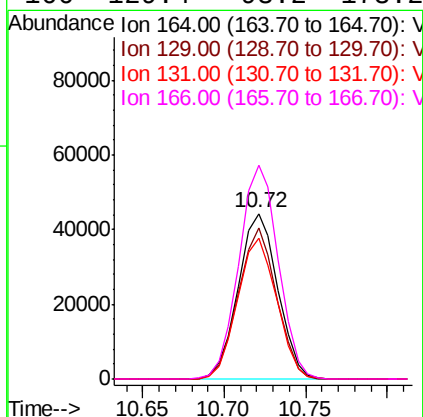
Instrument :
MSVOA_Y
ClientSampleId :
BFB87

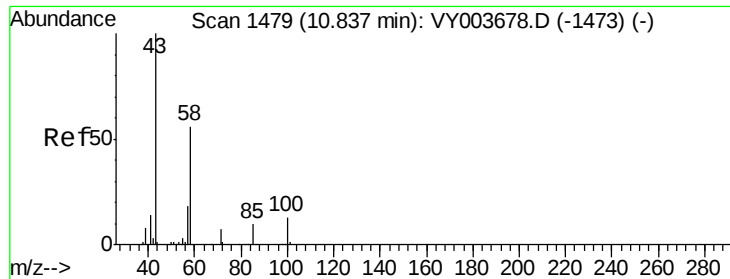
Tot Ion: 97 Resp: 73905
Ion Ratio Lower Upper
97 100
83 85.1 59.6 110.8
85 55.8 40.2 74.6
99 65.0 44.7 82.9



#47
Tetrachloroethene
Concen: 26.198 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. -0.00 min
Lab File: VY003691.D
Acq: 09 Dec 2020 09:58

Tgt Ion: 164 Resp: 74927
Ion Ratio Lower Upper
164 100
129 91.3 59.6 110.6
131 85.4 57.9 107.5
166 129.4 93.2 173.2

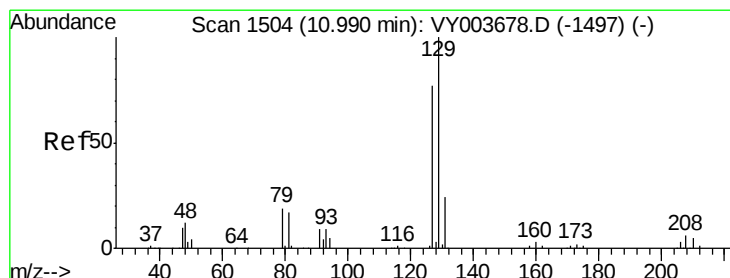
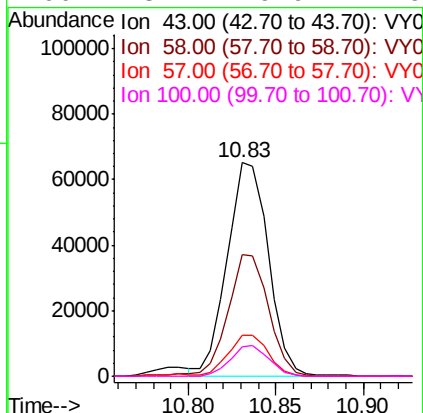
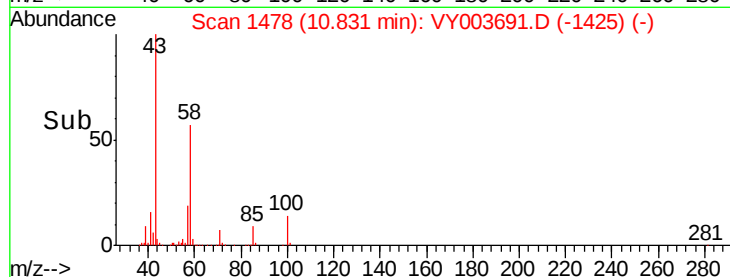
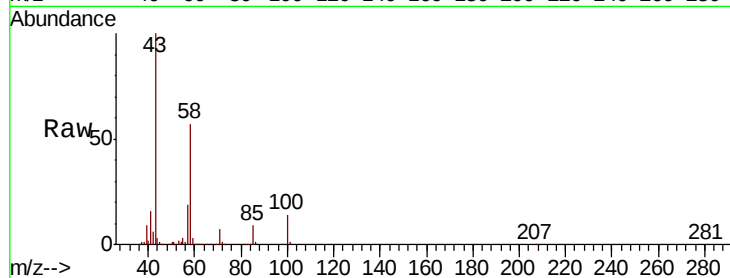




#49
2-Hexanone
Concen: 48.494 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VY003691.D
Acq: 09 Dec 2020 09:58

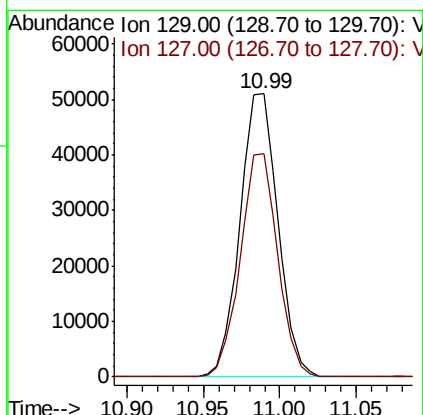
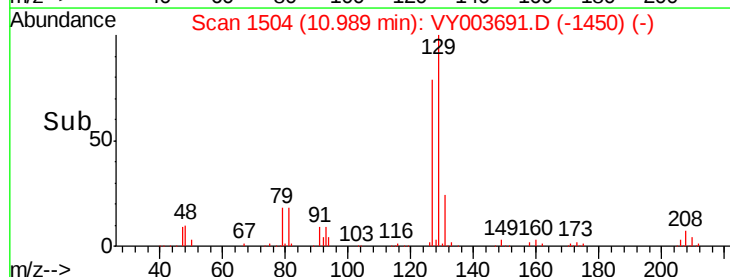
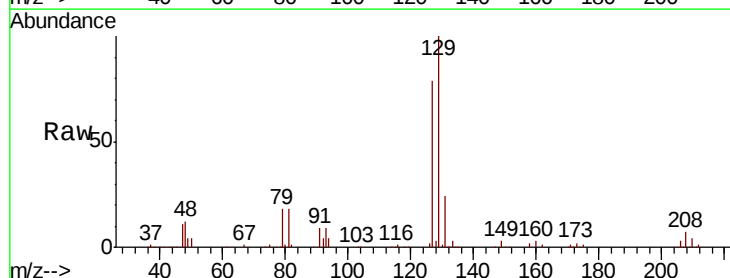
Instrument :
MSVOA_Y
ClientSampleId :
BFB87

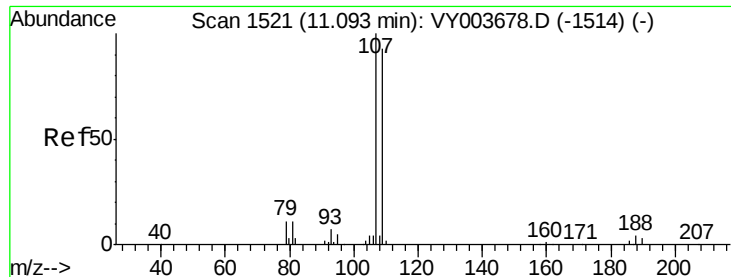
Tot Ion: 43 Resp: 107396
Ion Ratio Lower Upper
43 100
58 56.6 44.8 67.2
57 18.6 14.8 22.2
100 13.4 9.9 14.9



#50
Dibromochloromethane
Concen: 26.022 ug/L
RT: 10.99 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VY003691.D
Acq: 09 Dec 2020 09:58

Tgt Ion: 129 Resp: 88083
Ion Ratio Lower Upper
129 100
127 78.9 54.8 101.8

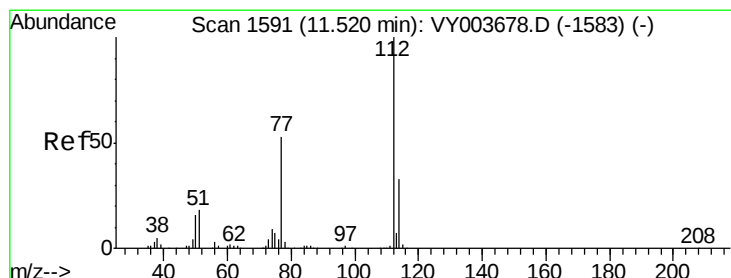
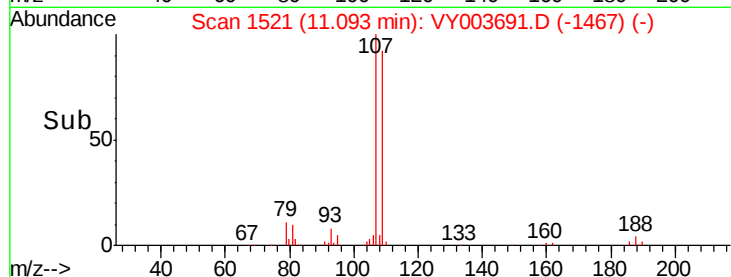
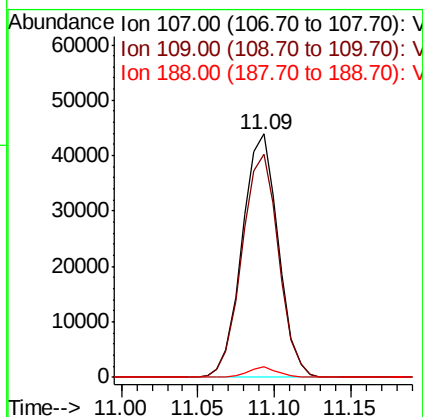
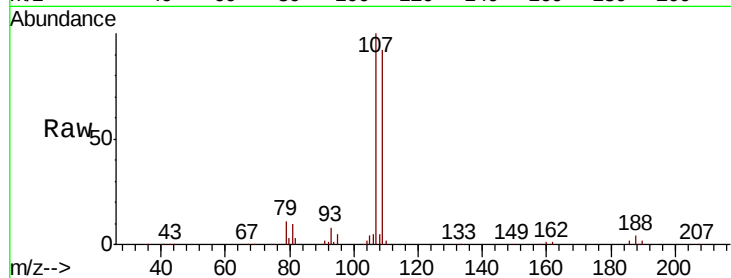




#51
 1,2-Dibromoethane
 Concen: 25.764 ug/L
 RT: 11.09 min Scan# 1521
 Delta R.T. -0.00 min
 Lab File: VY003691.D
 Acq: 09 Dec 2020 09:58

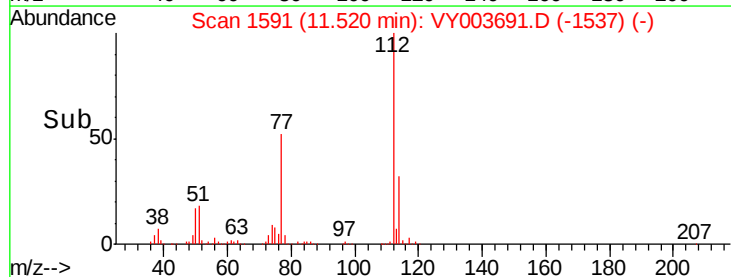
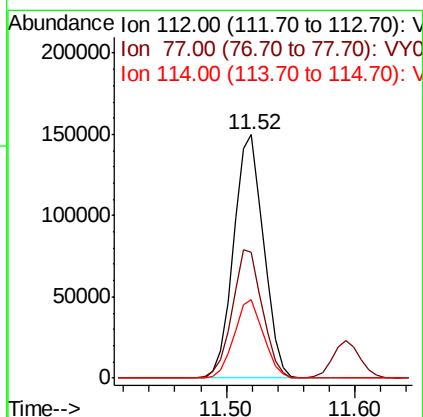
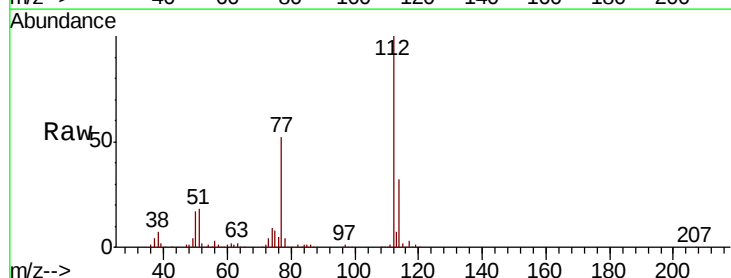
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB87

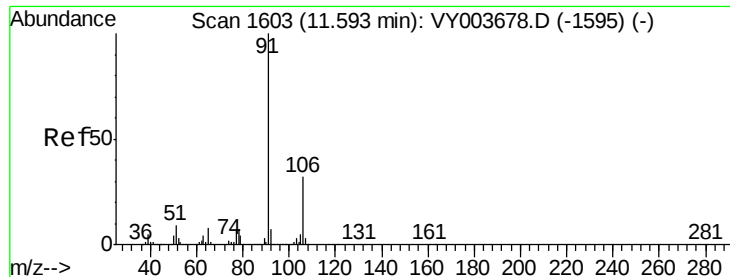
Tot Ion:107 Resp: 72108
 Ion Ratio Lower Upper
 107 100
 109 91.6 65.2 121.0
 188 4.6 3.0 4.6#



#52
 Chlorobenzene
 Concen: 26.053 ug/L
 RT: 11.52 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: VY003691.D
 Acq: 09 Dec 2020 09:58

Tgt Ion:112 Resp: 241924
 Ion Ratio Lower Upper
 112 100
 77 51.9 44.4 66.6
 114 32.5 22.4 41.6





#53

Ethylbenzene

Concen: 26.360 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

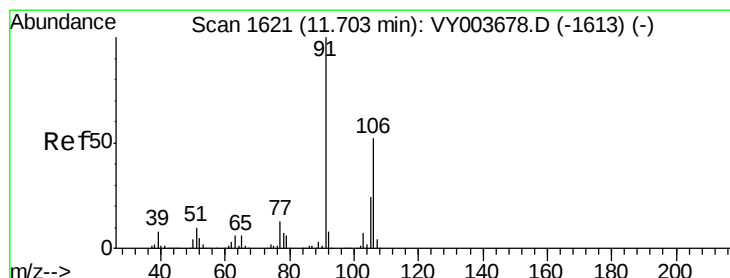
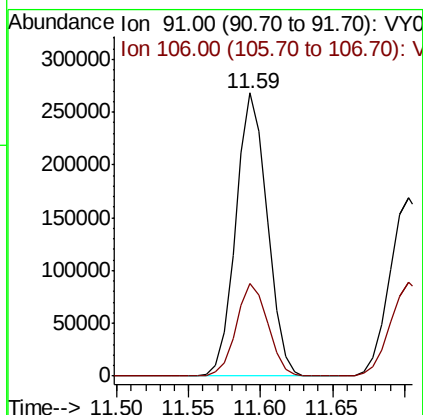
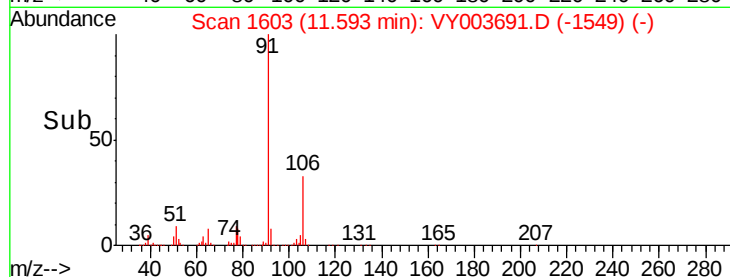
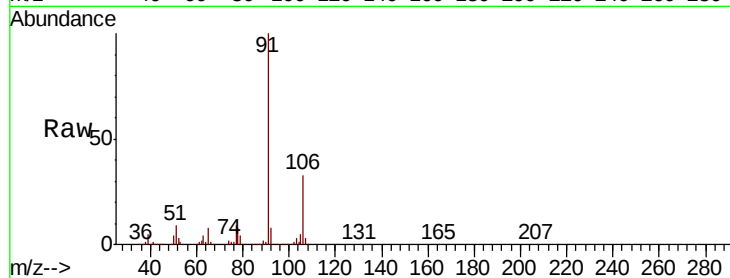
BFB87

Tot Ion: 91 Resp: 405921

Ion Ratio Lower Upper

91 100

106 32.6 23.3 43.3



#54

m,p-Xylene

Concen: 26.812 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003691.D

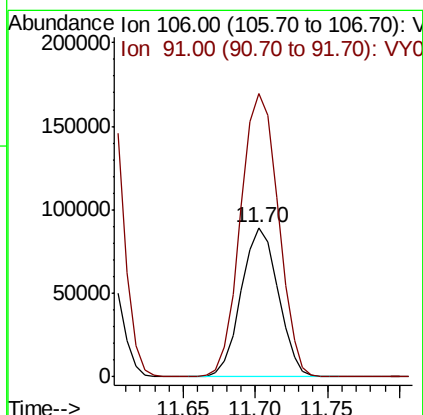
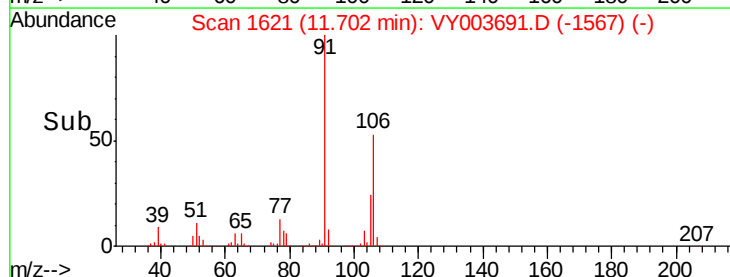
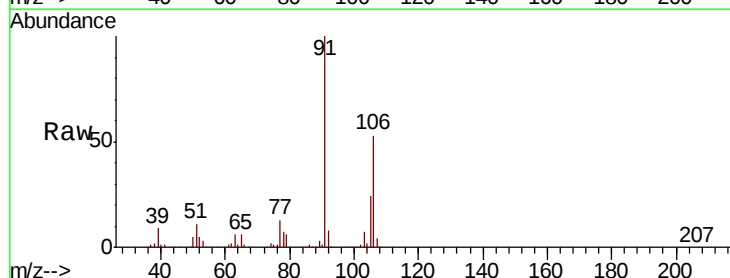
Acq: 09 Dec 2020 09:58

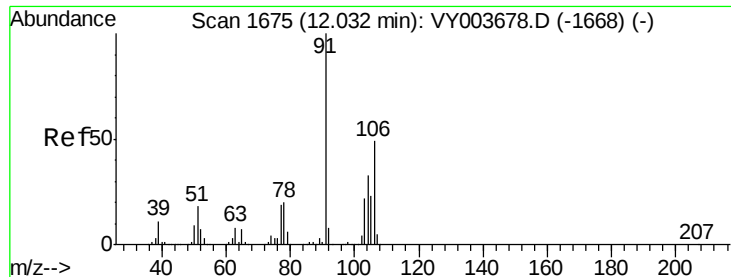
Tgt Ion: 106 Resp: 159275

Ion Ratio Lower Upper

106 100

91 189.9 131.3 243.9





#55

o-xylene

Concen: 26.758 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampled :

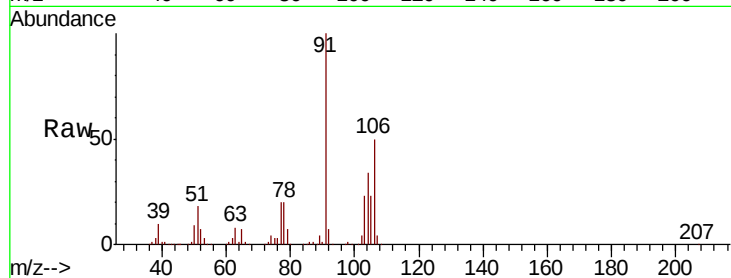
BFB87

Tot Ion:106 Resp: 152504

Ion Ratio Lower Upper

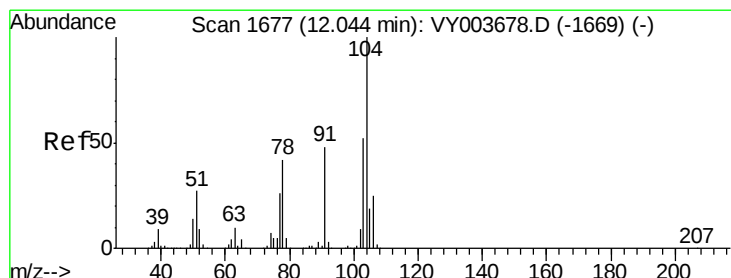
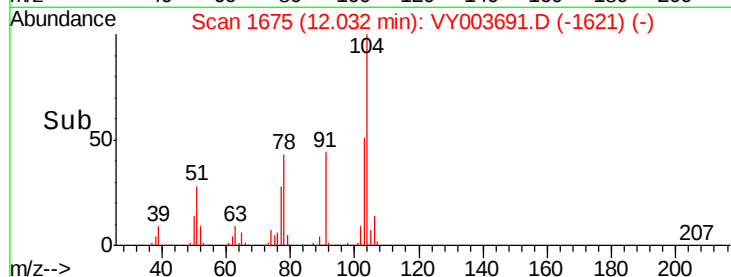
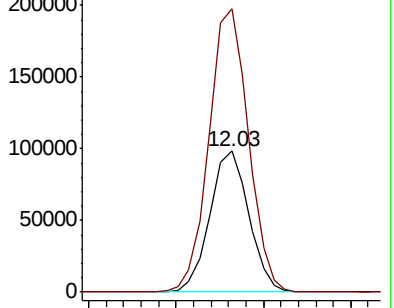
106 100

91 200.7 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 27.223 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003691.D

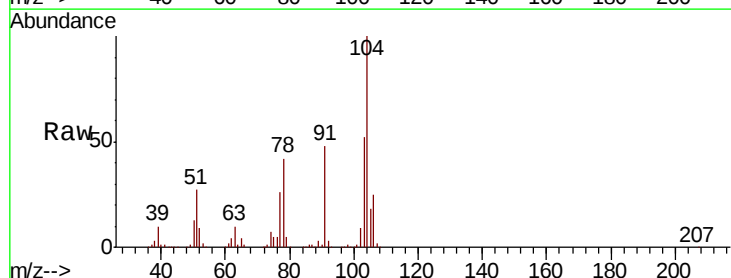
Acq: 09 Dec 2020 09:58

Tgt Ion:104 Resp: 265540

Ion Ratio Lower Upper

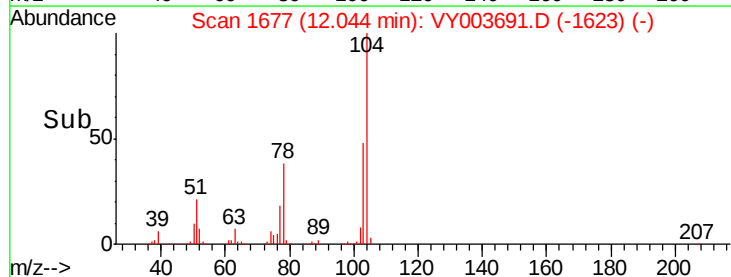
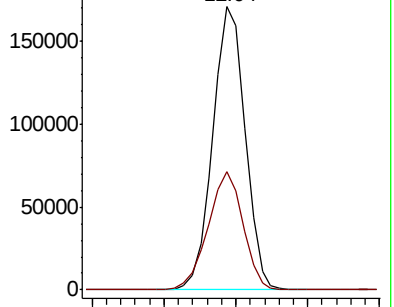
104 100

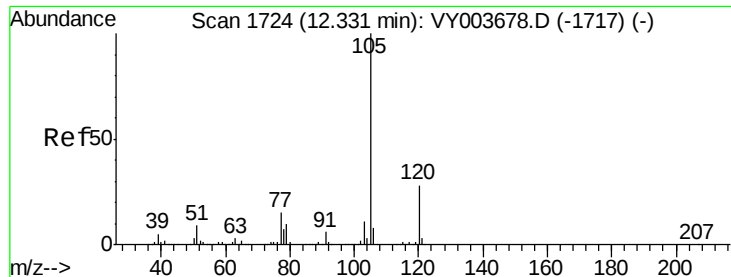
78 42.0 28.1 52.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 27.465 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

BFB87

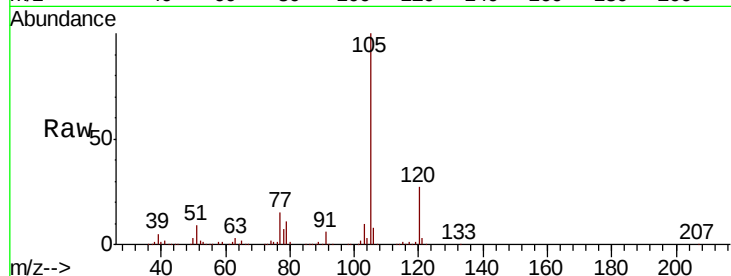
Tot Ion:105 Resp: 409247

Ion Ratio Lower Upper

105 100

120 27.2 22.3 33.5

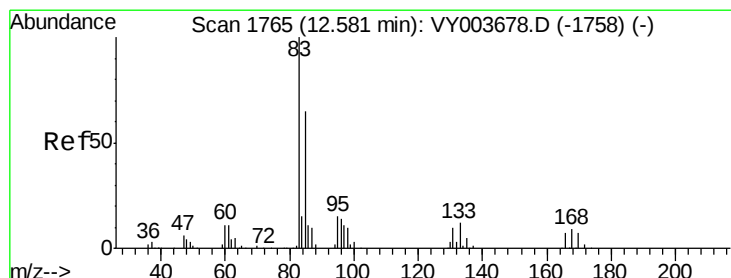
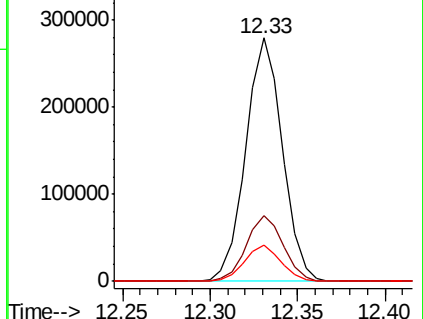
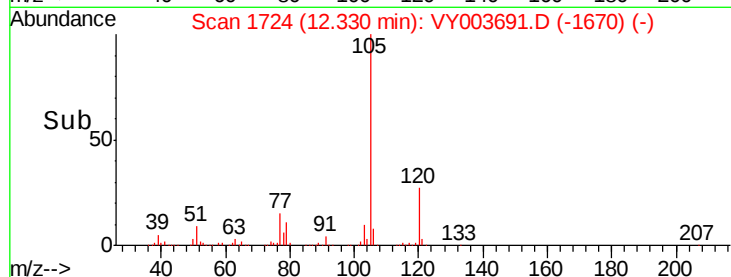
77 14.8 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): VY003691.D (-1670) (-)

Ion 120.00 (119.70 to 120.70): VY003691.D (-1670) (-)

Ion 77.00 (76.70 to 77.70): VY003691.D (-1670) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 26.942 ug/L

RT: 12.59 min Scan# 1766

Delta R.T. 0.01 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

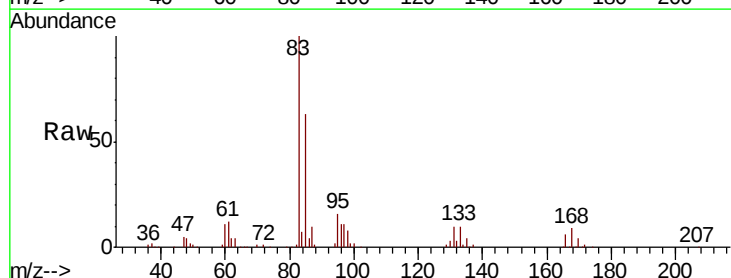
Tgt Ion: 83 Resp: 83547

Ion Ratio Lower Upper

83 100

85 63.1 47.2 87.6

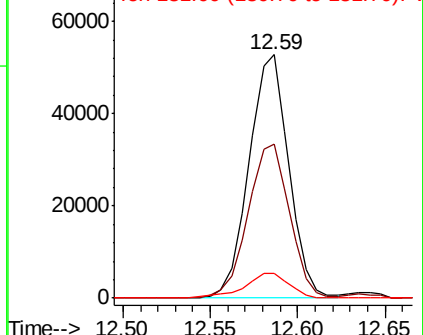
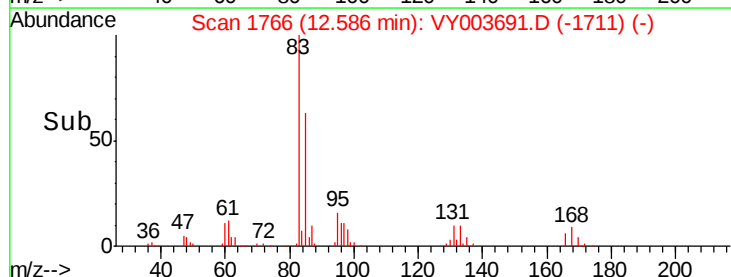
131 10.0 8.4 12.6

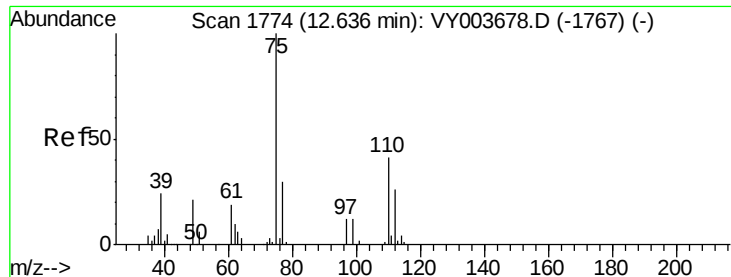


Abundance Ion 83.00 (82.70 to 83.70): VY003691.D (-1711) (-)

Ion 85.00 (84.70 to 85.70): VY003691.D (-1711) (-)

Ion 131.00 (130.70 to 131.70): VY003691.D (-1711) (-)





#59

1,2,3-Trichloropropane

Concen: 25.231 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampled :

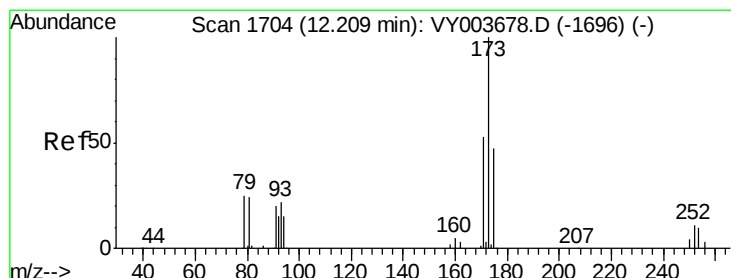
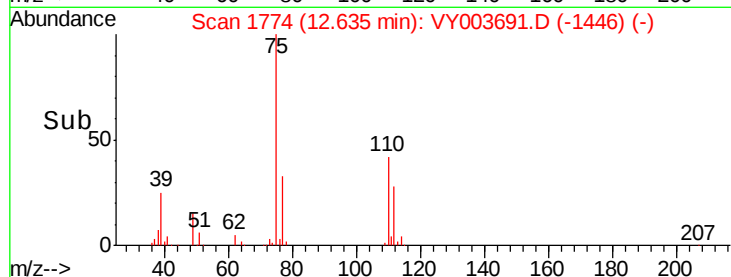
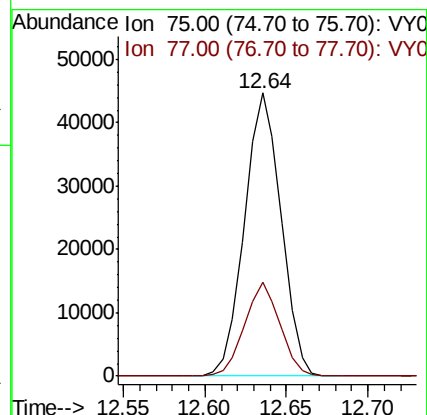
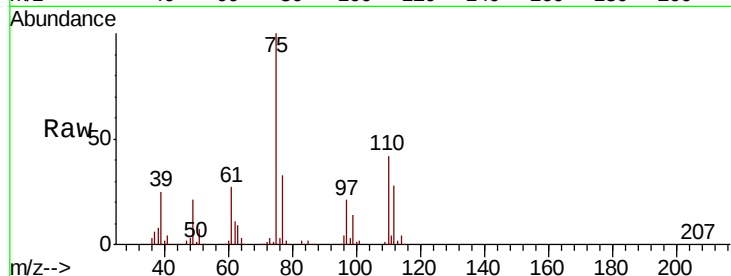
BFB87

Tot Ion: 75 Resp: 69952

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



#62

Bromoform

Concen: 24.827 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

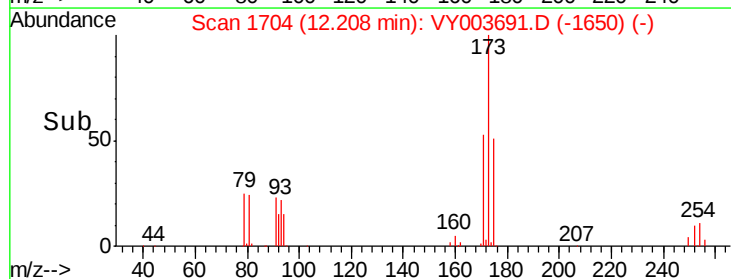
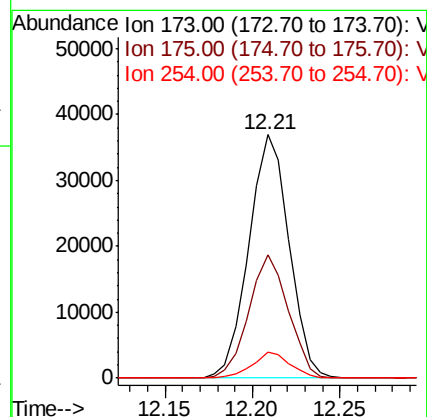
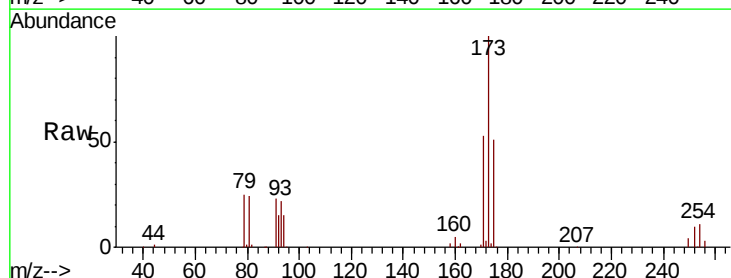
Tgt Ion: 173 Resp: 59081

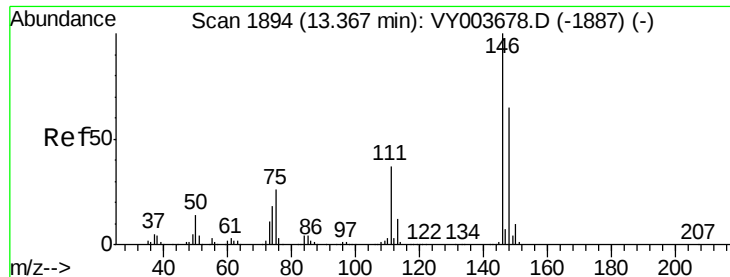
Ion Ratio Lower Upper

173 100

175 49.6 39.1 58.7

254 10.2 7.7 11.5





#63

1,3-Dichlorobenzene

Concen: 26.436 ug/L

RT: 13.37 min Scan# 1894

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

BFB87

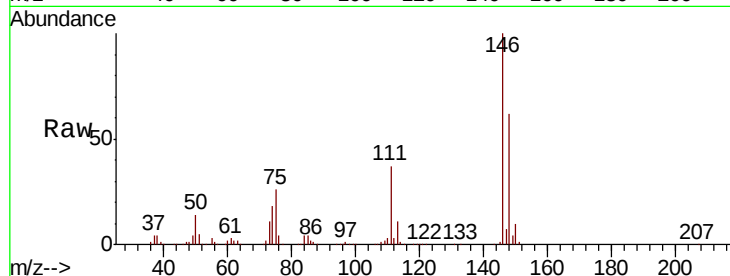
Tot Ion:146 Resp: 198176

Ion Ratio Lower Upper

146 100

111 37.1 26.0 48.4

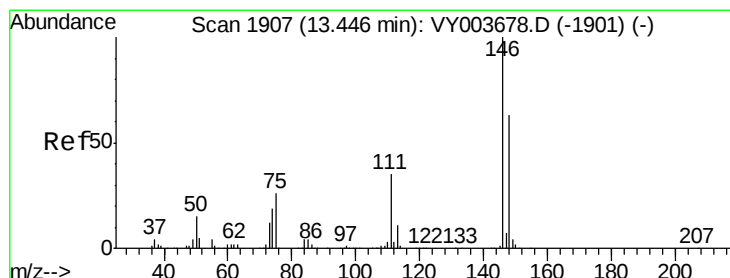
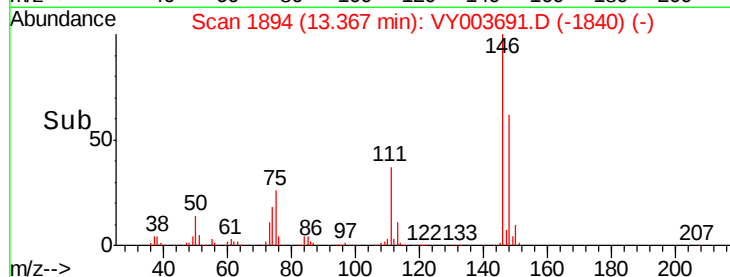
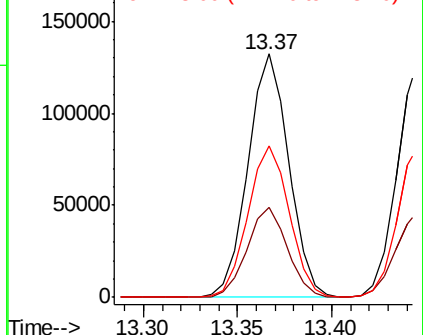
148 62.3 43.7 81.1



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: 25.901 ug/L

RT: 13.45 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

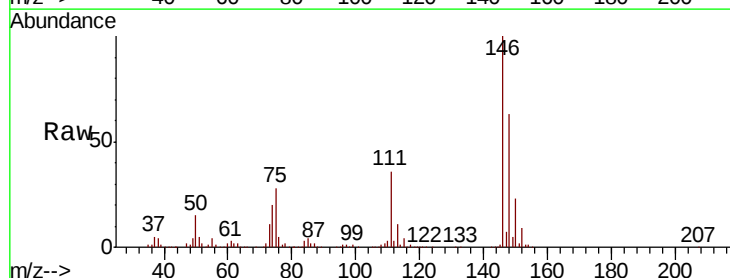
Tgt Ion:146 Resp: 197392

Ion Ratio Lower Upper

146 100

111 36.4 23.2 43.0

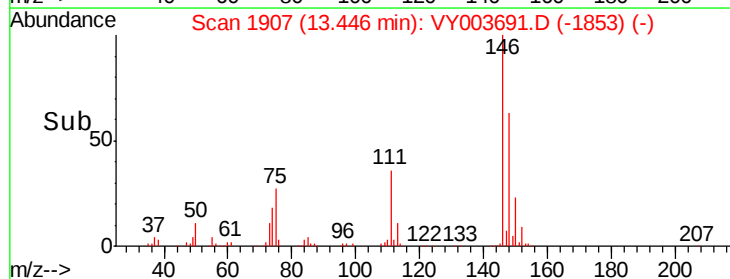
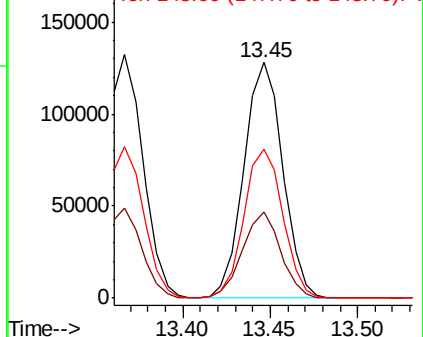
148 63.3 43.8 81.4

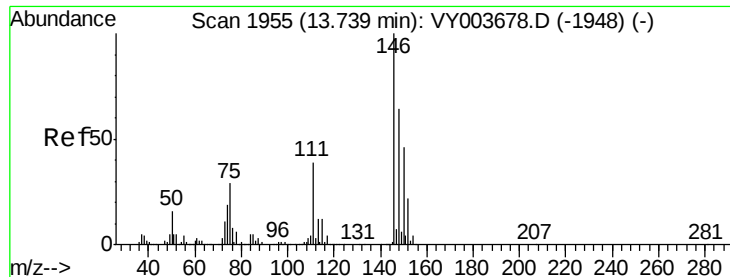


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 26.551 ug/L

RT: 13.74 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

BFB87

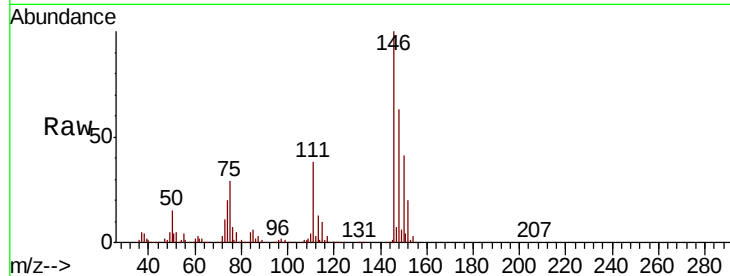
Tot Ion:146 Resp: 182612

Ion Ratio Lower Upper

146 100

111 37.6 30.0 45.0

148 62.5 51.8 77.8

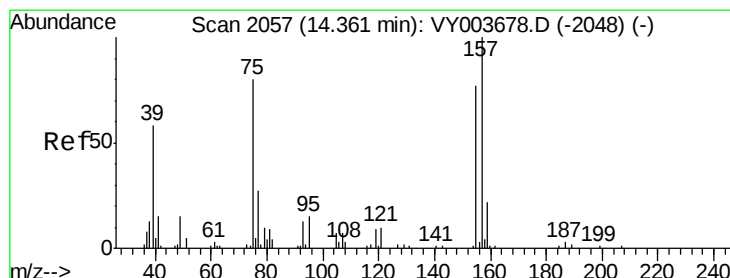
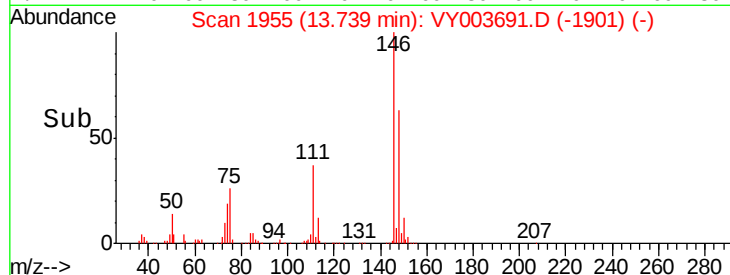
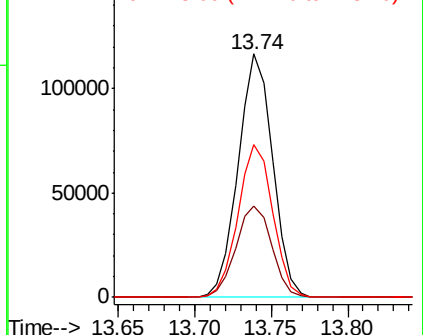


Abundance

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: 24.260 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. -0.01 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

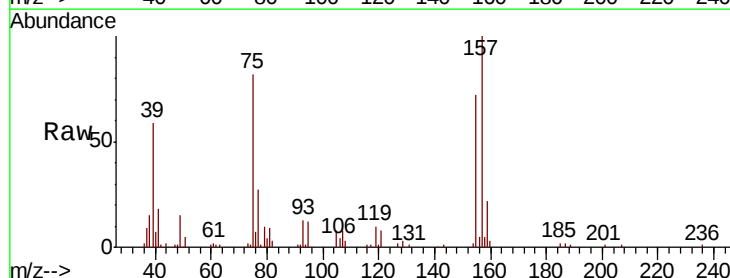
Tgt Ion: 75 Resp: 15543

Ion Ratio Lower Upper

75 100

157 121.4 101.3 151.9

155 87.5 76.2 114.4

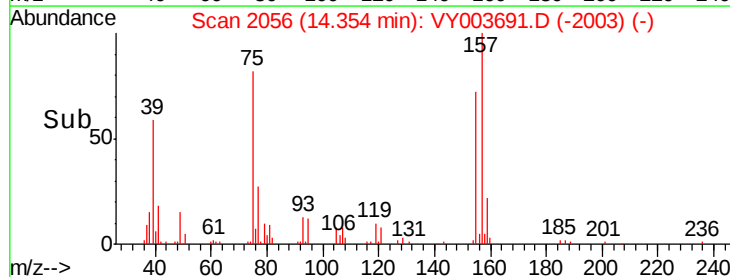
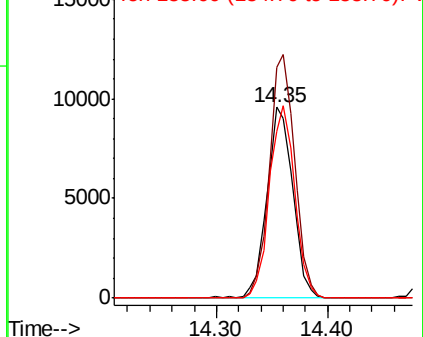


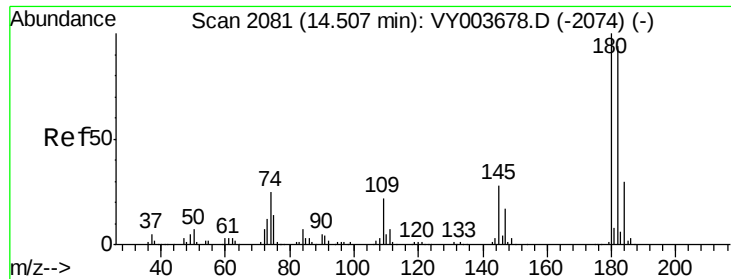
Abundance

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

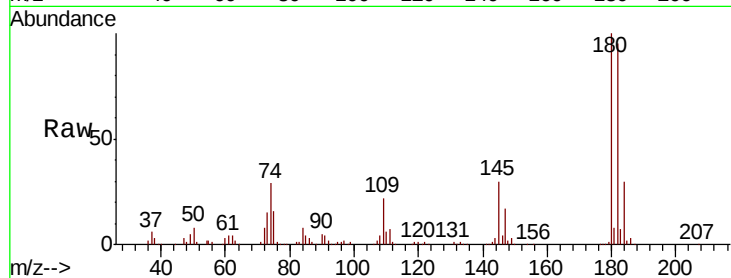




#67
 1,3,5-Trichlorobenzene
 Concen: 26.406 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VY003691.D
 Acq: 09 Dec 2020 09:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB87

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.0	114.0
184	30.0	24.2	36.2
145	27.9	22.2	33.2



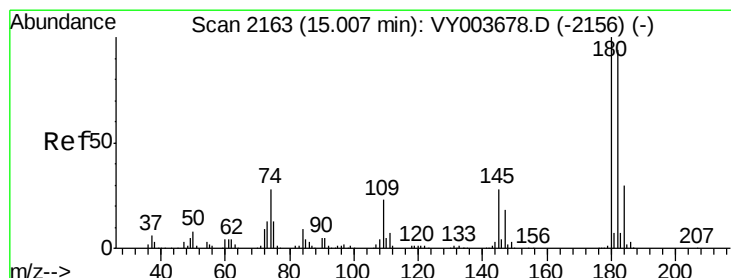
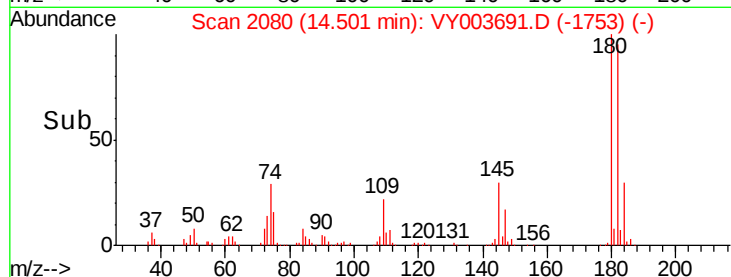
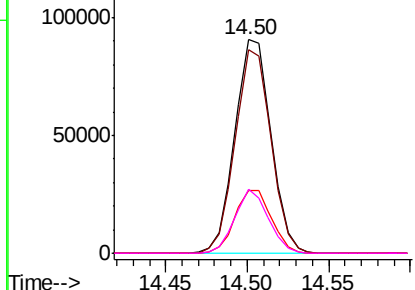
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

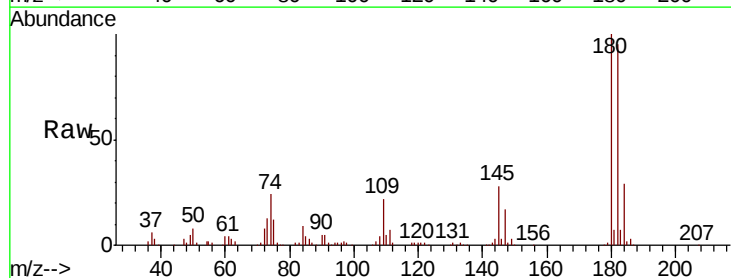
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.156 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VY003691.D
 Acq: 09 Dec 2020 09:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.5	114.7
145	27.7	22.2	33.4

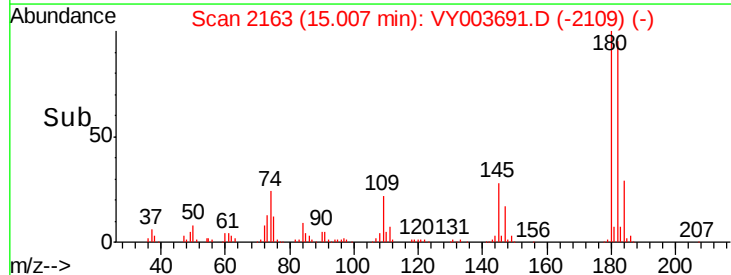
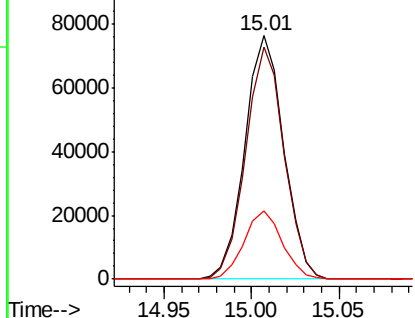


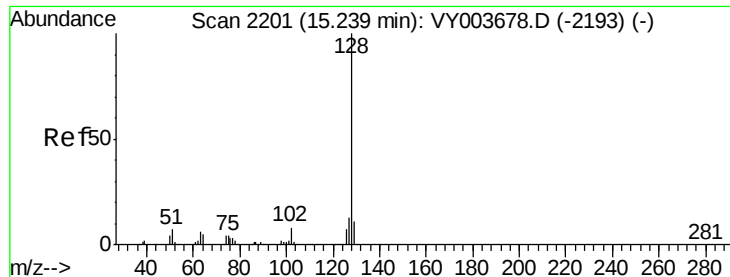
Abundance

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





#69

Naphthalene

Concen: 25.679 ug/L

RT: 15.24 min Scan# 2201

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

BFB87

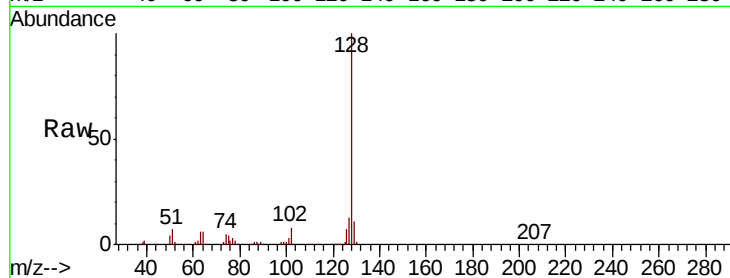
Tot Ion:128 Resp: 243511

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 12.9 10.2 15.4

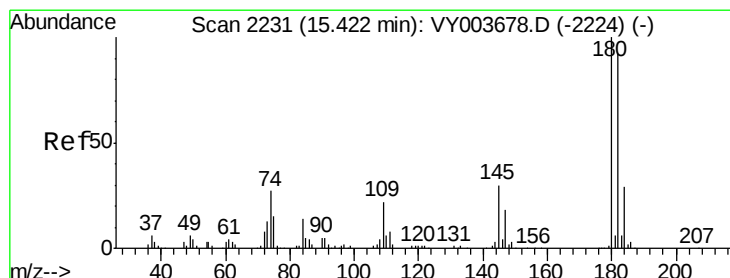
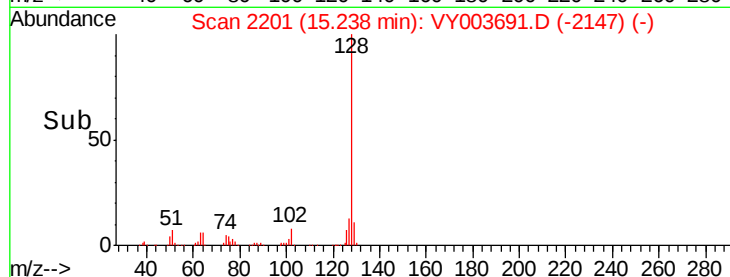
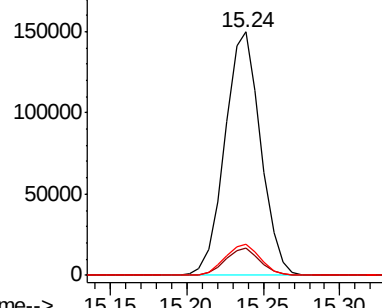


Abundance

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: 26.089 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VY003691.D

Acq: 09 Dec 2020 09:58

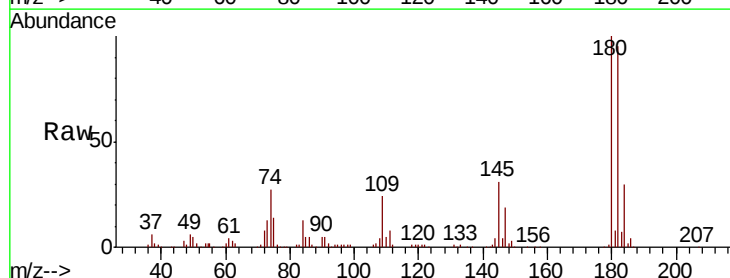
Tgt Ion:180 Resp: 107748

Ion Ratio Lower Upper

180 100

182 93.5 76.9 115.3

145 29.4 24.2 36.4



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

