

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010421\
 Data File : VY003868.D
 Acq On : 04 Jan 2021 12:28
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB32

Quant Time: Jan 05 04:06:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 31 03:17:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	405124	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	377937	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	219984	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	188140	27.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.80%
7) Chloroethane-d5	2.77	69	144151	26.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.32%
11) 1,1-Dichloroethene-d2	3.86	63	320212	27.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	108.28%
21) 2-Butanone-d5	6.89	46	130841	50.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.40%
24) Chloroform-d	7.48	84	301271	26.92	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.68%
26) 1,2-Dichloroethane-d4	8.14	65	179445	25.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.72%
32) Benzene-d6	8.11	84	597823	28.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	113.80%
36) 1,2-Dichloropropane-d6	9.12	67	174980	28.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.92%
41) Toluene-d8	10.18	98	564679	28.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.52%
43) trans-1,3-Dichloropropene-	10.43	79	95578	27.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.36%
47) 2-Hexanone-d5	10.79	63	103864	54.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.08%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	171299	28.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.44%
66) 1,2-Dichlorobenzene-d4	13.72	152	222766	27.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	150278	22.142	ug/L	99
3) Chloromethane	2.12	50	159835	21.030	ug/L	97
5) Vinyl chloride	2.26	62	180626	22.399	ug/L	98
6) Bromomethane	2.66	94	119619	24.262	ug/L	97
8) Chloroethane	2.80	64	112005	23.014	ug/L	97
9) Trichlorofluoromethane	3.14	101	265873	24.679	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	147279	26.035	ug/L	98
12) 1,1-Dichloroethene	3.88	96	137111	25.819	ug/L	92
13) Acetone	3.96	43	84770	43.600	ug/L	99
14) Carbon disulfide	4.20	76	428450	23.971	ug/L	99
15) Methyl Acetate	4.48	43	108715	24.302	ug/L	99
16) Methylene chloride	4.73	84	160327	24.675	ug/L	94
17) trans-1,2-Dichloroethene	5.23	96	147055	25.308	ug/L	98
18) Methyl tert-butyl Ether	5.23	73	423008	24.646	ug/L	98
19) 1,1-Dichloroethane	6.03	63	265840	25.321	ug/L	96
20) cis-1,2-Dichloroethene	6.99	96	161082	25.639	ug/L	100
22) 2-Butanone	6.99	43	141127	46.832	ug/L	99

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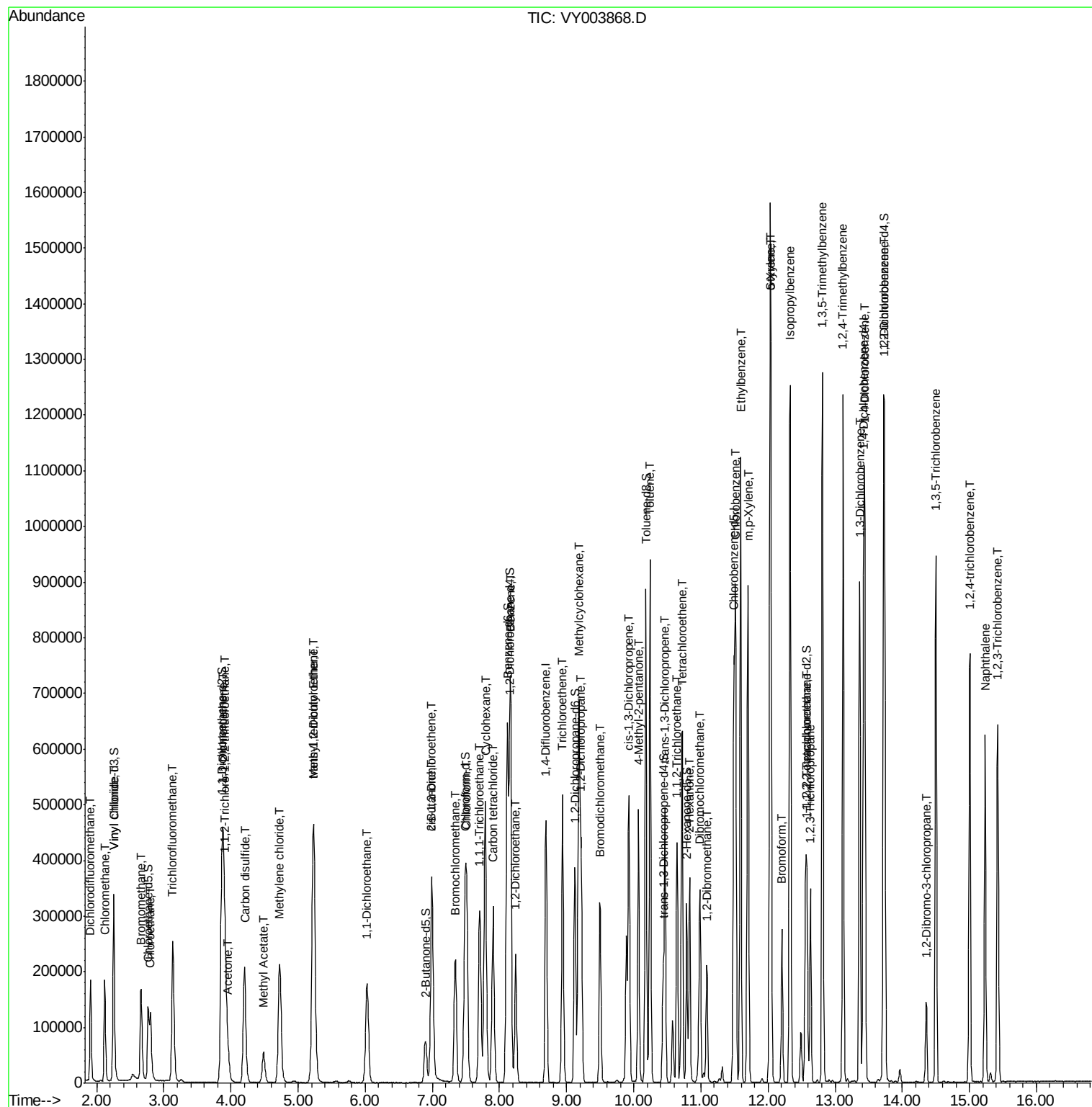
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	78291	25.200	ug/L	97
25) Chloroform	7.51	83	278006	25.260	ug/L	99
27) 1,2-Dichloroethane	8.24	62	202927	23.725	ug/L	99
29) Cyclohexane	7.79	56	258159	26.065	ug/L	100
30) 1,1,1-Trichloroethane	7.70	97	261873	25.743	ug/L	98
31) Carbon tetrachloride	7.90	117	238152	25.315	ug/L	98
33) Benzene	8.17	78	600994	26.014	ug/L	100
34) Trichloroethene	8.94	95	164682	25.793	ug/L	98
35) Methylcyclohexane	9.18	83	273068	26.281	ug/L	100
37) 1,2-Dichloropropane	9.22	63	155566	26.450	ug/L	100
38) Bromodichloromethane	9.50	83	211050	25.469	ug/L	98
39) cis-1,3-Dichloropropene	9.93	75	258479	25.726	ug/L	96
40) 4-Methyl-2-pentanone	10.07	43	311398	49.594	ug/L	98
42) Toluene	10.25	91	669396	26.194	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	247589	25.526	ug/L	97
45) 1,1,2-Trichloroethane	10.65	97	130042	25.743	ug/L	96
46) Tetrachloroethene	10.72	164	147135	26.642	ug/L	97
48) 2-Hexanone	10.83	43	222859	48.713	ug/L	98
49) Dibromochloromethane	10.98	129	165489	25.876	ug/L	94
50) 1,2-Dibromoethane	11.09	107	129611	25.983	ug/L	97
51) Chlorobenzene	11.51	112	434706	26.303	ug/L	99
52) Ethylbenzene	11.59	91	751631	26.256	ug/L	100
53) m,p-Xylene	11.70	106	288433	26.569	ug/L	94
54) o-Xylene	12.03	106	277470	26.249	ug/L	97
55) Styrene	12.04	104	485017	26.533	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.58	83	158028	26.434	ug/L	98
59) Bromoform	12.21	173	120517	25.384	ug/L	99
60) Isopropylbenzene	12.33	105	769339	26.453	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	135616	25.102	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	637591	26.395	ug/L	98
63) 1,2,4-Trimethylbenzene	13.12	105	641442	26.211	ug/L	98
64) 1,3-Dichlorobenzene	13.37	146	370945	26.330	ug/L	98
65) 1,4-Dichlorobenzene	13.45	146	377275	26.446	ug/L	99
67) 1,2-Dichlorobenzene	13.74	146	342671	25.975	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.35	75	34406	25.621	ug/L	95
69) 1,3,5-Trichlorobenzene	14.50	180	293545	26.728	ug/L	99
70) 1,2,4-trichlorobenzene	15.01	180	248808	26.719	ug/L	99
71) Naphthalene	15.23	128	508320	26.148	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	219600	26.698	ug/L	98

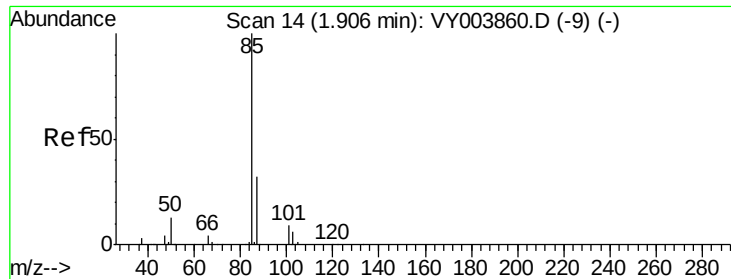
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.142 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampleId :

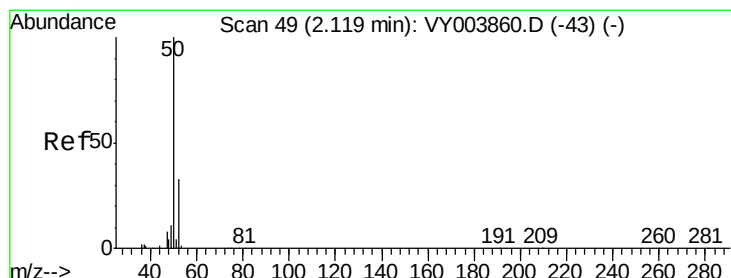
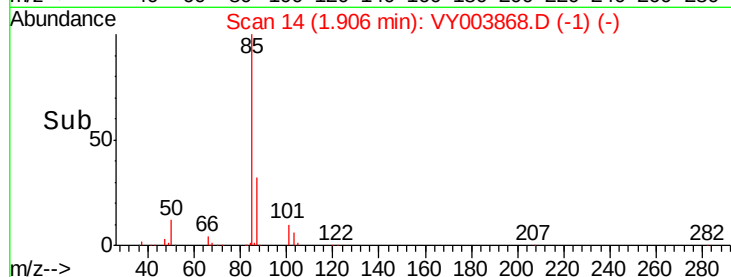
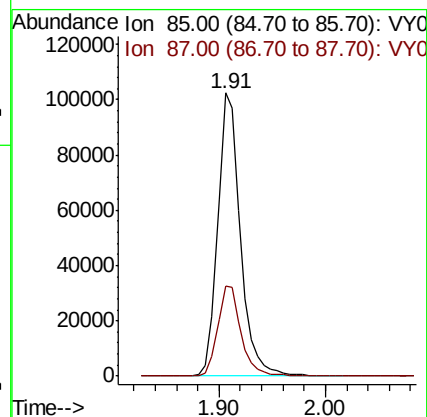
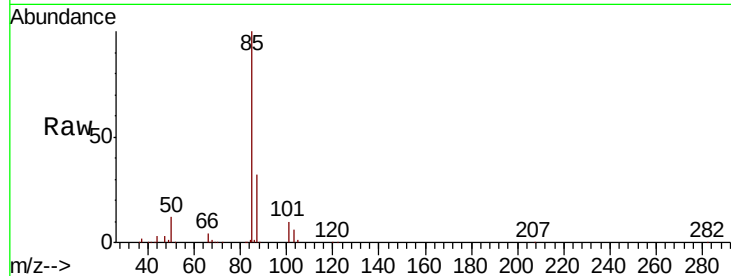
BFB32

Tot Ion: 85 Resp: 150278

Ion Ratio Lower Upper

85 100

87 32.4 25.4 38.2



#3

Chloromethane

Concen: 21.030 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003868.D

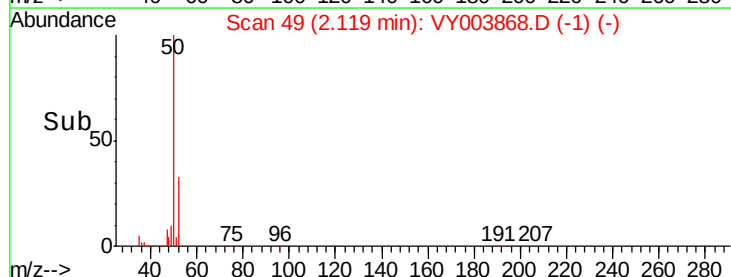
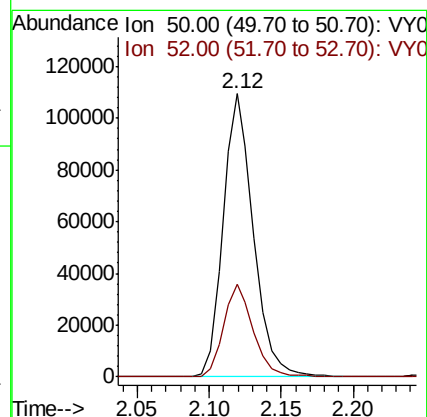
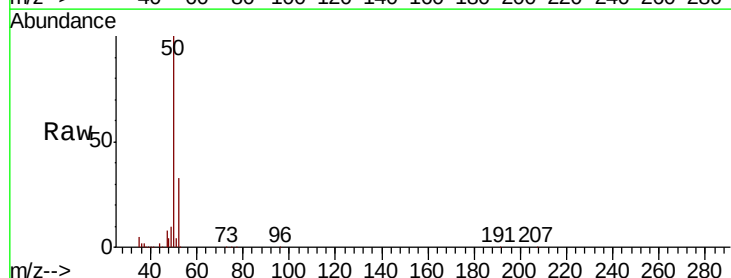
Acq: 04 Jan 2021 12:28

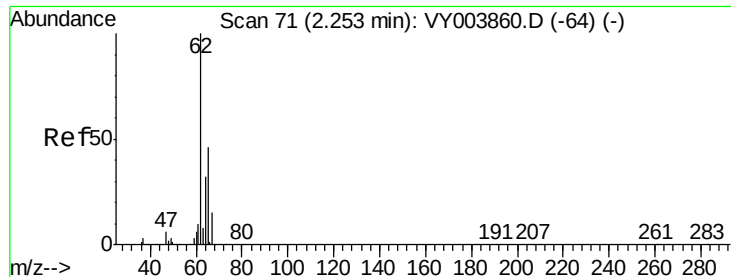
Tgt Ion: 50 Resp: 159835

Ion Ratio Lower Upper

50 100

52 32.9 22.0 41.0





#5

Vinyl chloride

Concen: 22.399 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampleId :

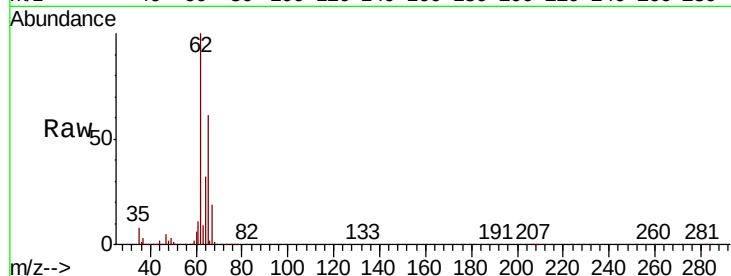
BFB32

Tot Ion: 62 Resp: 180626

Ion Ratio Lower Upper

62 100

64 32.1 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0

2.26

120000

100000

80000

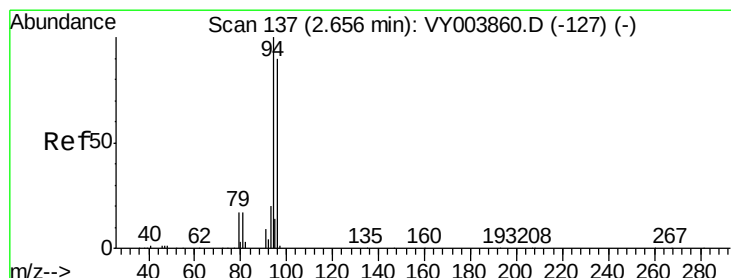
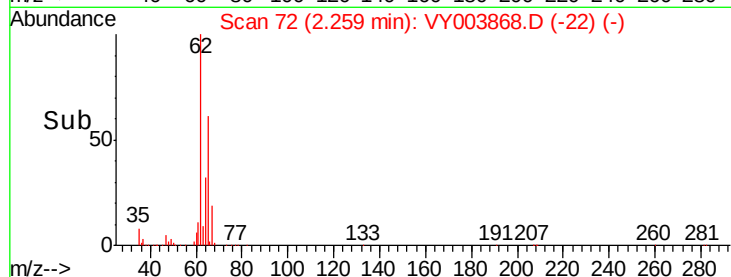
60000

40000

20000

0

Time--> 2.15 2.20 2.25 2.30 2.35



#6

Bromomethane

Concen: 24.262 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.01 min

Lab File: VY003868.D

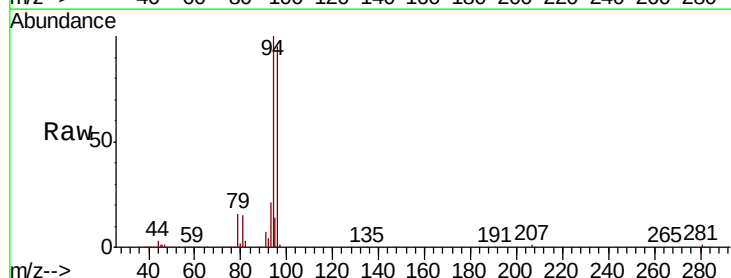
Acq: 04 Jan 2021 12:28

Tgt Ion: 94 Resp: 119619

Ion Ratio Lower Upper

94 100

96 94.9 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

2.66

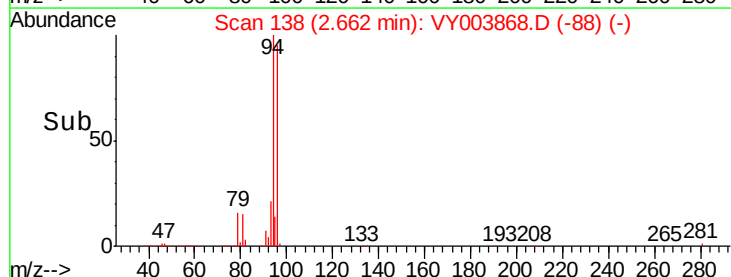
60000

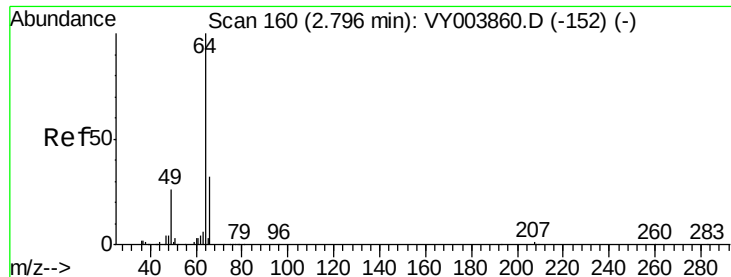
40000

20000

0

Time--> 2.60 2.70 2.80

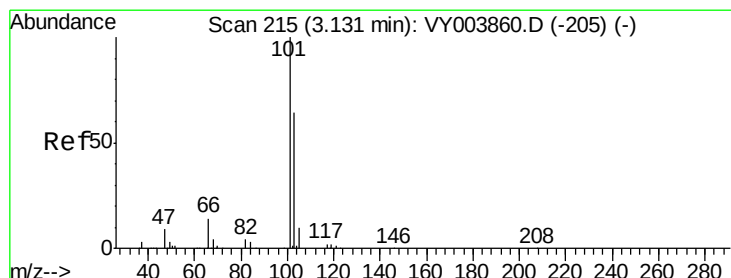
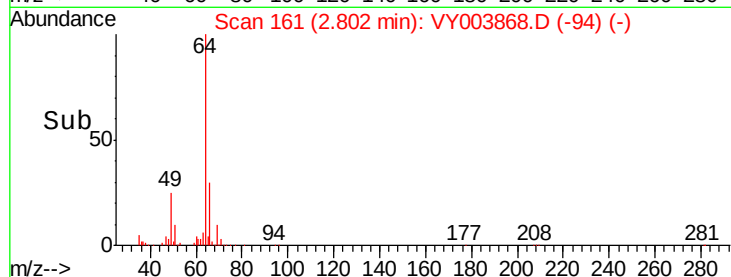
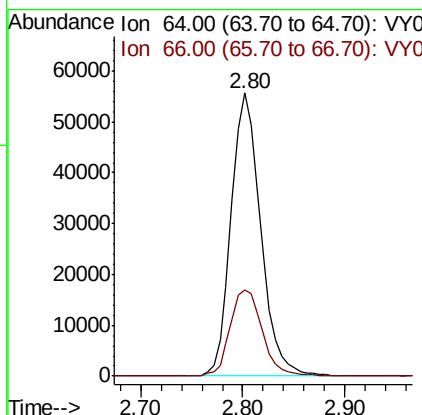
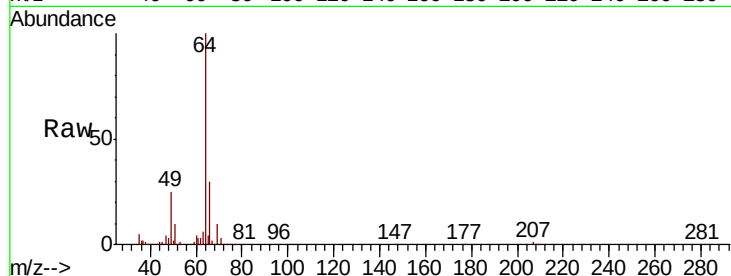




#8
Chloroethane
Concen: 23.014 ug/L
RT: 2.80 min Scan# 161
Delta R.T. 0.01 min
Lab File: VY003868.D
Acq: 04 Jan 2021 12:28

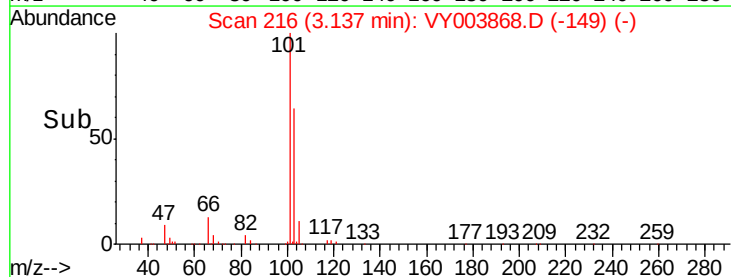
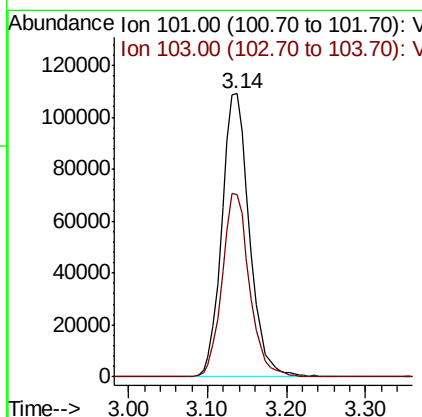
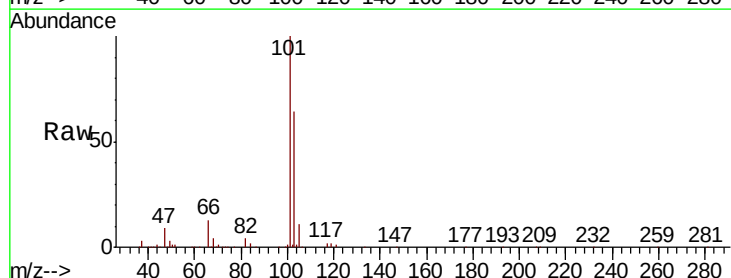
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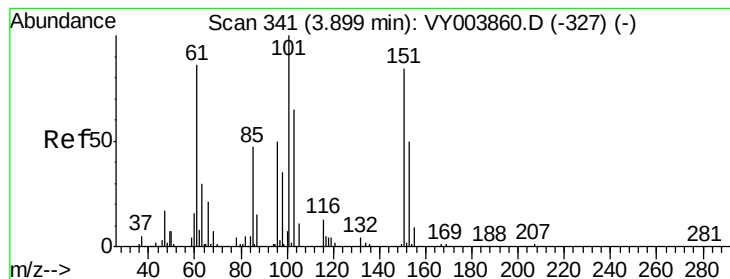
Tot Ion: 64 Resp: 112005
Ion Ratio Lower Upper
64 100
66 30.4 22.5 41.7



#9
Trichlorofluoromethane
Concen: 24.679 ug/L
RT: 3.14 min Scan# 216
Delta R.T. 0.01 min
Lab File: VY003868.D
Acq: 04 Jan 2021 12:28

Tgt Ion: 101 Resp: 265873
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.0





#10

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

Concen: 26.035 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampleId :

BFB32

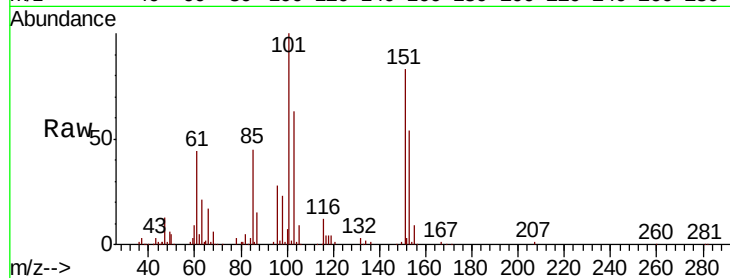
Tot Ion:101 Resp: 147279

Ion Ratio Lower Upper

101 100

85 45.3 37.1 55.7

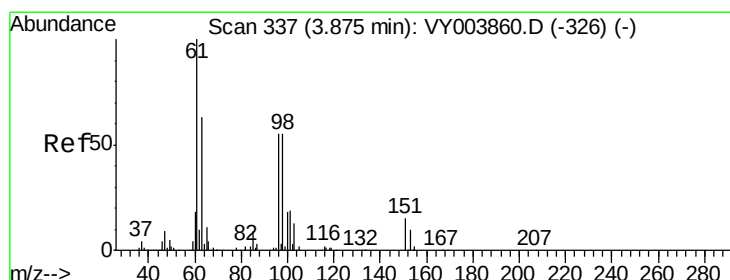
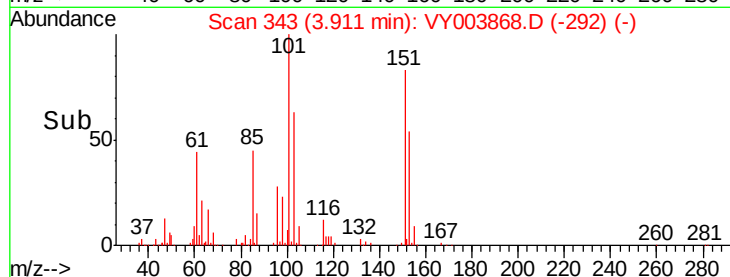
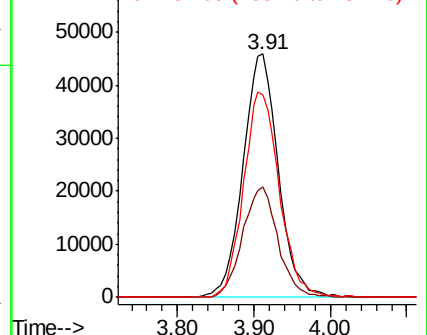
151 85.2 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): VY003868.D (-292) (-)

Ion 85.00 (84.70 to 85.70): VY003868.D (-292) (-)

Ion 151.00 (150.70 to 151.70): VY003868.D (-292) (-)



#12

1,1-Dichloroethene

Concen: 25.819 ug/L

RT: 3.88 min Scan# 338

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

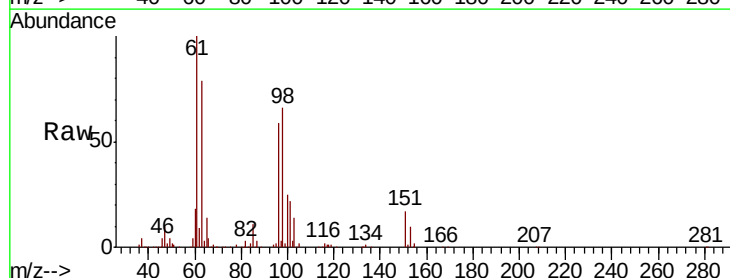
Tgt Ion: 96 Resp: 137111

Ion Ratio Lower Upper

96 100

61 170.1 123.8 230.0

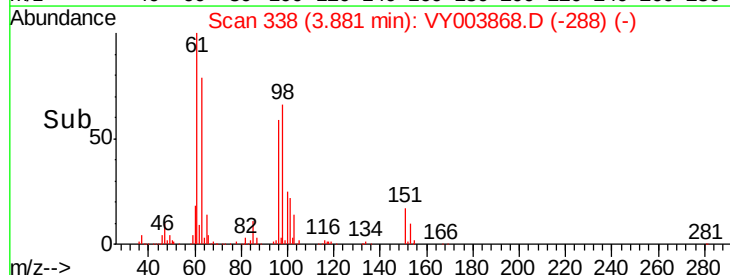
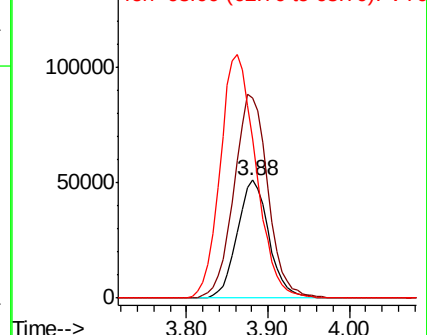
63 135.2 85.3 158.3

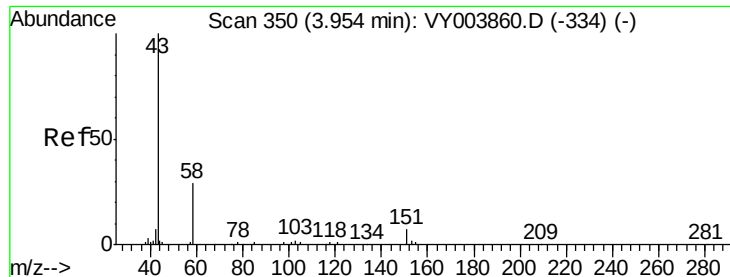


Abundance Ion 96.00 (95.70 to 96.70): VY003868.D (-288) (-)

Ion 61.00 (60.70 to 61.70): VY003868.D (-288) (-)

Ion 63.00 (62.70 to 63.70): VY003868.D (-288) (-)





#13

Acetone

Concen: 43.600 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

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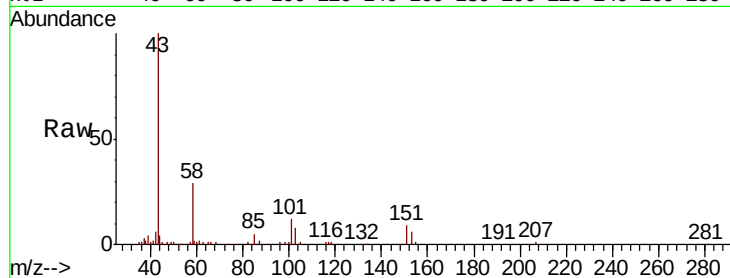
BFB32

Tot Ion: 43 Resp: 84770

Ion Ratio Lower Upper

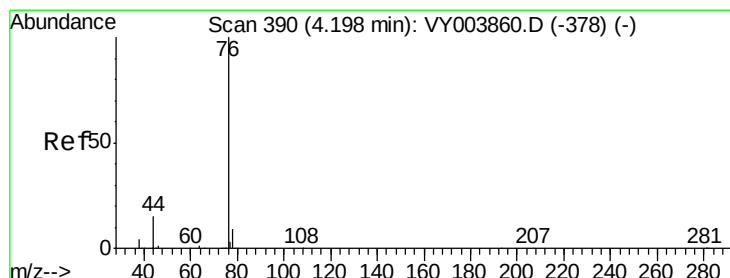
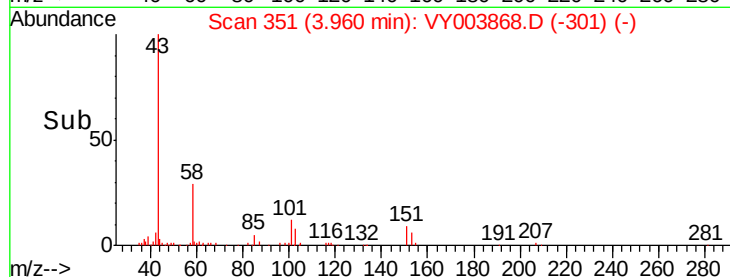
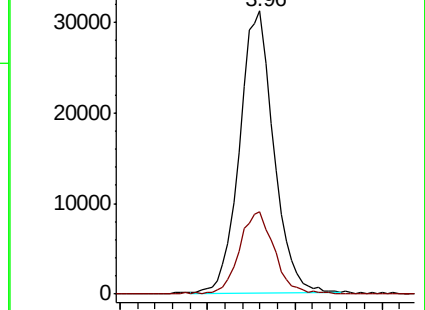
43 100

58 29.6 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VY003860.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VY003860.D (-334) (-)



#14

Carbon disulfide

Concen: 23.971 ug/L

RT: 4.20 min Scan# 391

Delta R.T. 0.01 min

Lab File: VY003868.D

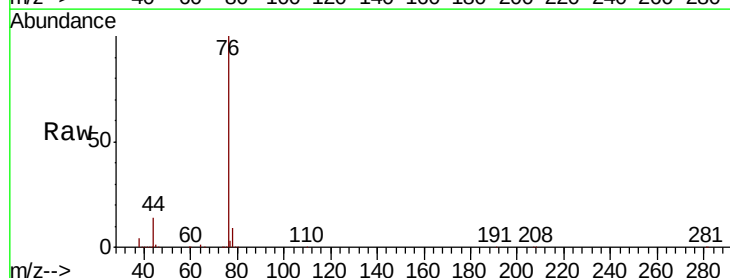
Acq: 04 Jan 2021 12:28

Tgt Ion: 76 Resp: 428450

Ion Ratio Lower Upper

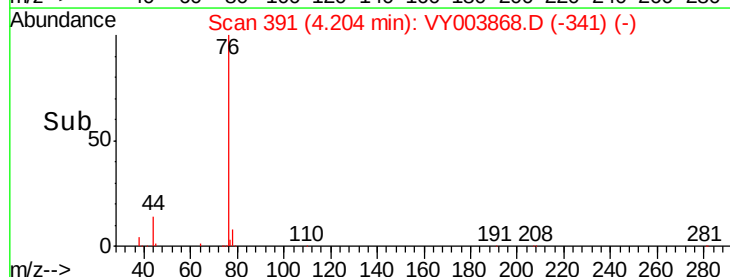
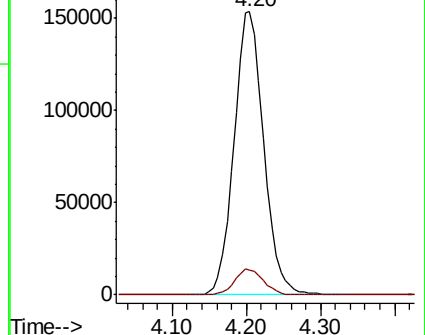
76 100

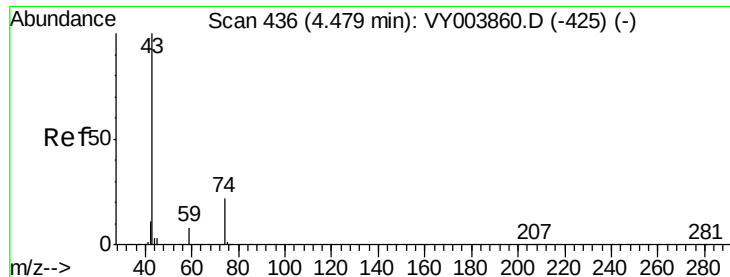
78 8.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VY003860.D (-378) (-)

Ion 78.00 (77.70 to 78.70): VY003860.D (-378) (-)

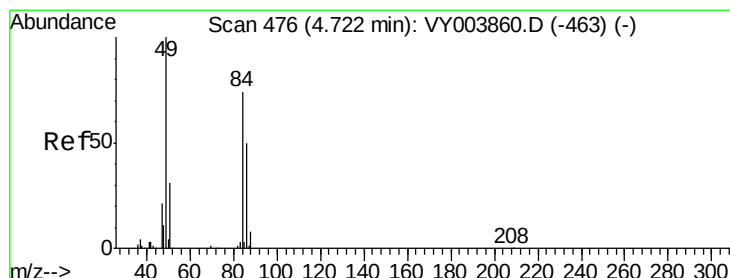
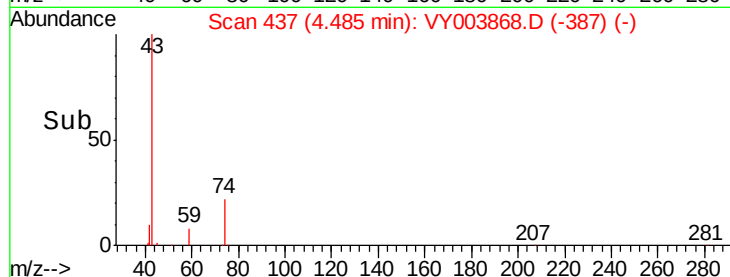
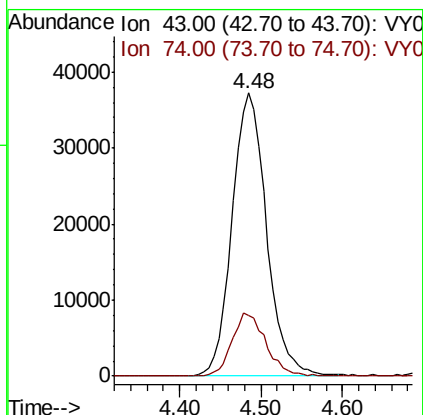
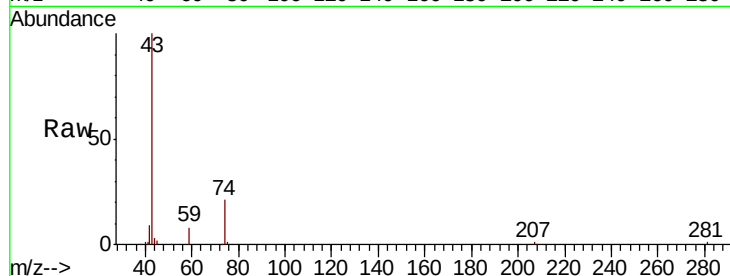




#15
Methyl Acetate
Concen: 24.302 ug/L
RT: 4.48 min Scan# 437
Delta R.T. 0.01 min
Lab File: VY003868.D
Acq: 04 Jan 2021 12:28

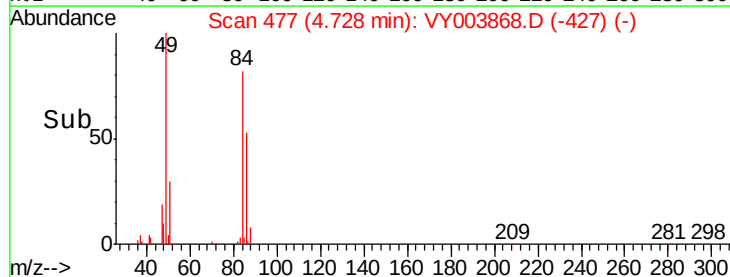
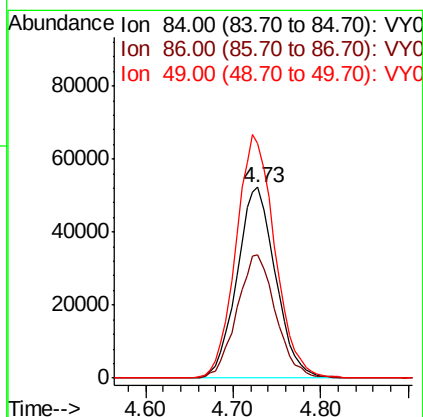
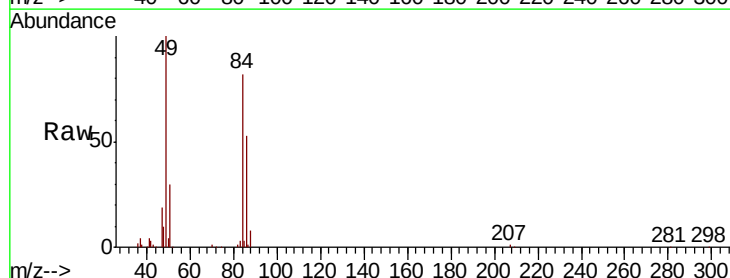
Instrument :
MSVOA_Y
ClientSampleId :
BFB32

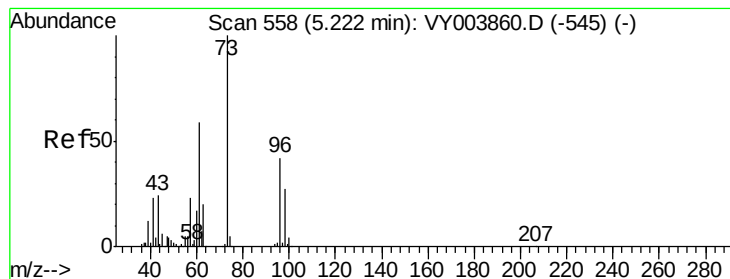
Tot Ion: 43 Resp: 108715
Ion Ratio Lower Upper
43 100
74 21.5 17.4 26.2



#16
Methylene chloride
Concen: 24.675 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VY003868.D
Acq: 04 Jan 2021 12:28

Tgt Ion: 84 Resp: 160327
Ion Ratio Lower Upper
84 100
86 64.5 42.1 78.3
49 122.6 90.3 167.7





#17

trans-1,2-Dichloroethene

Concen: 25.308 ug/L

RT: 5.23 min Scan# 559

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampleId :

BFB32

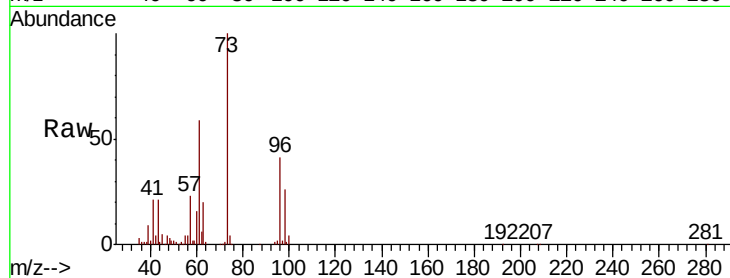
Tot Ion: 96 Resp: 147055

Ion Ratio Lower Upper

96 100

61 142.4 101.7 188.9

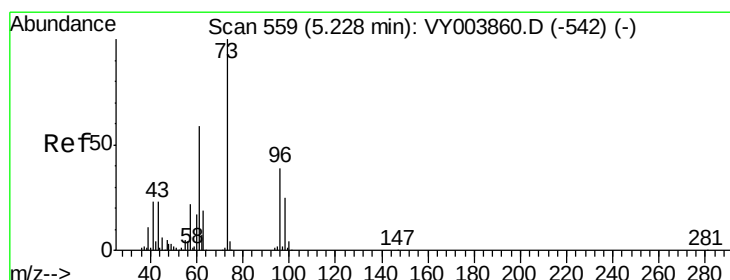
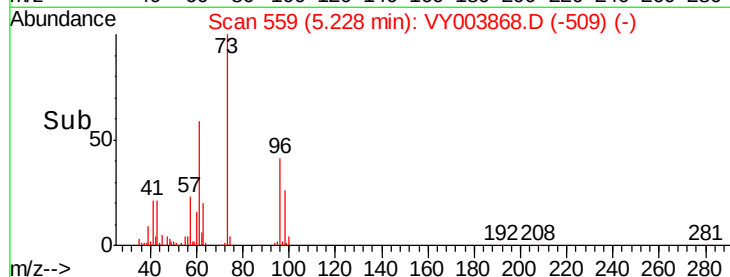
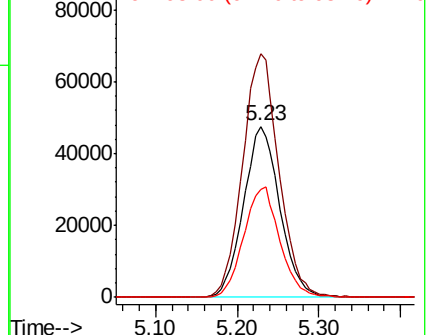
98 63.3 44.3 82.3



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



#18

Methyl tert-butyl Ether

Concen: 24.646 ug/L

RT: 5.23 min Scan# 559

Delta R.T. -0.00 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

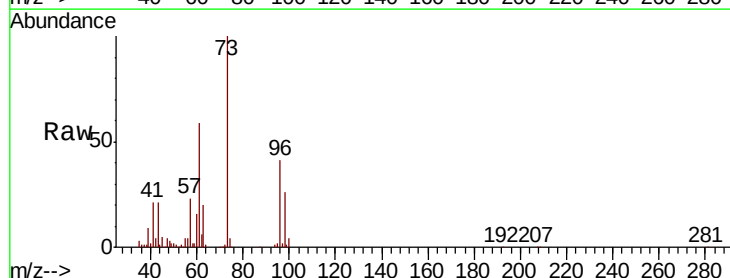
Tgt Ion: 73 Resp: 423008

Ion Ratio Lower Upper

73 100

43 20.9 18.4 27.6

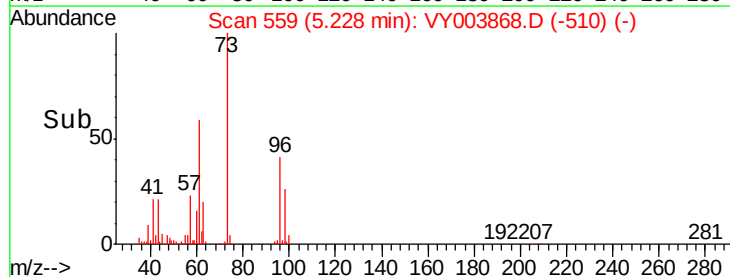
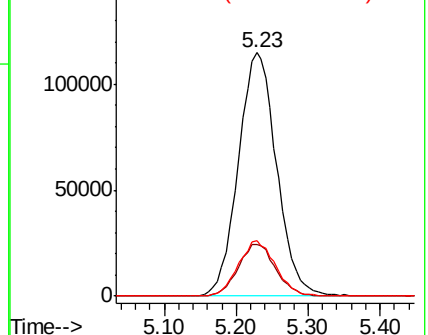
57 22.2 17.6 26.4

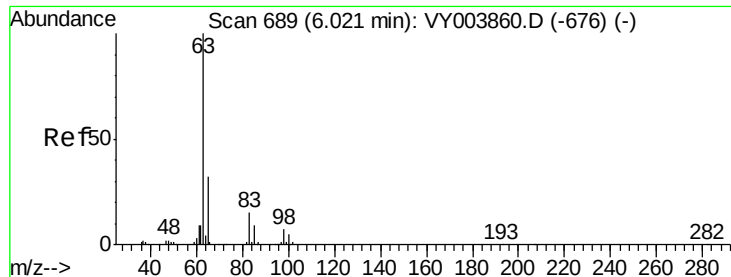


Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

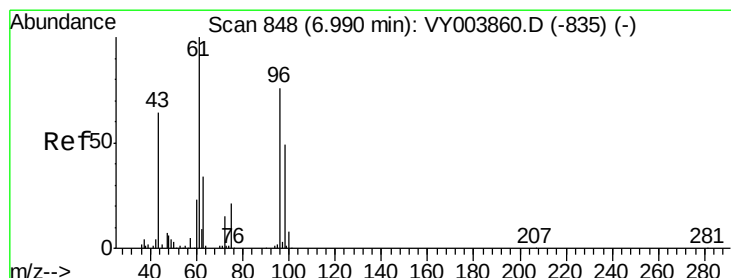
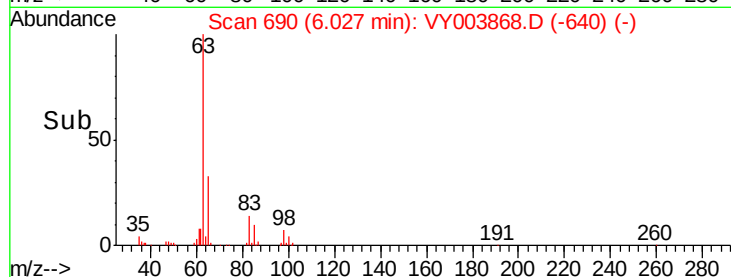
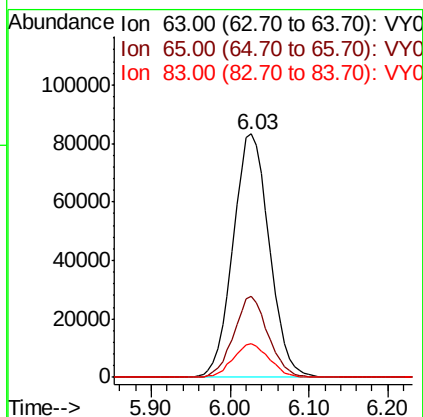
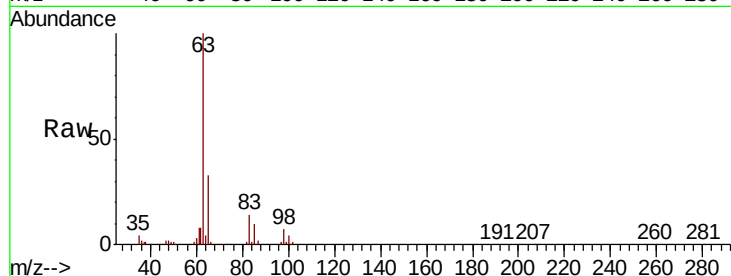




#19
 1,1-Dichloroethane
 Concen: 25.321 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VY003868.D
 Acq: 04 Jan 2021 12:28

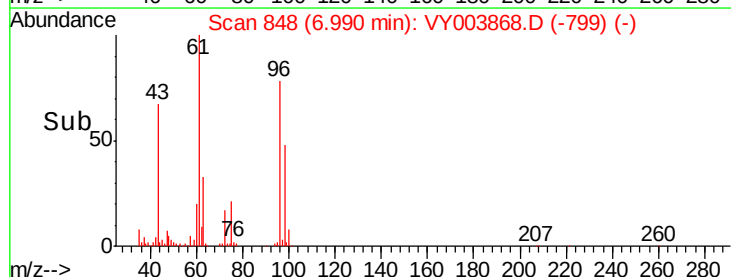
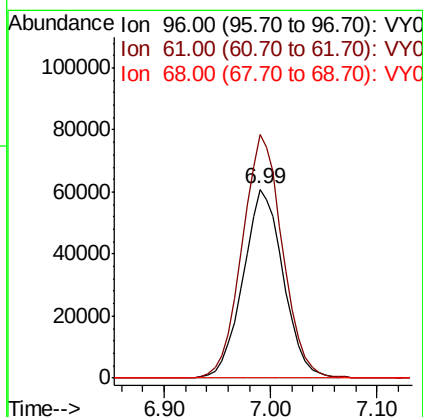
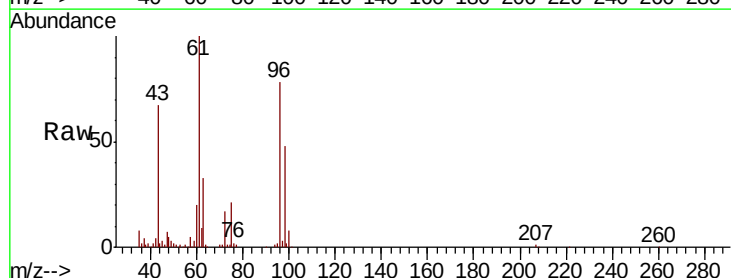
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB32

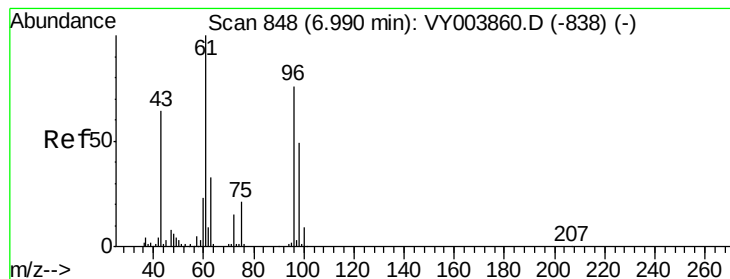
Tot Ion	Ratio	Lower	Upper
63	100		
65	33.2	21.9	40.7
83	14.0	8.7	16.1



#20
 cis-1,2-Dichloroethene
 Concen: 25.639 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VY003868.D
 Acq: 04 Jan 2021 12:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.9	90.6	168.3
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 46.832 ug/L

RT: 6.99 min Scan# 848

Delta R.T. -0.00 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampleId :

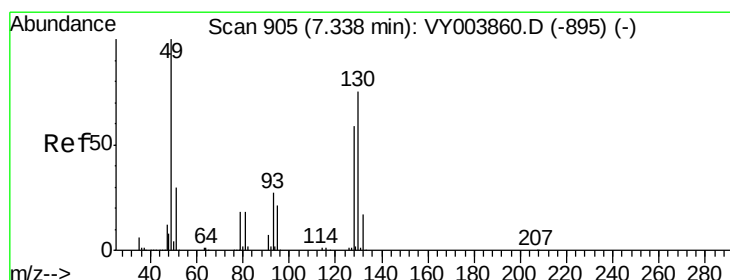
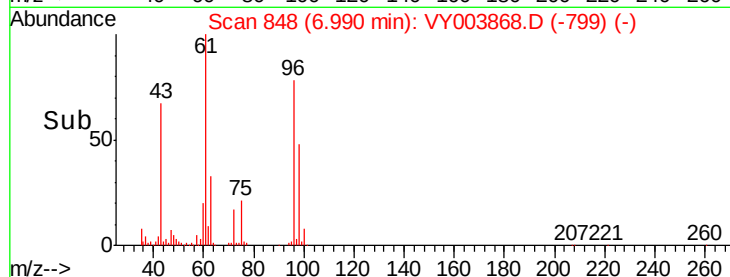
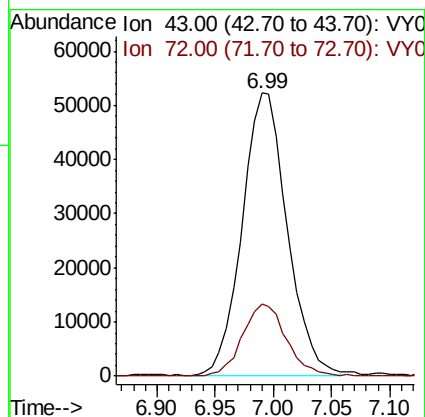
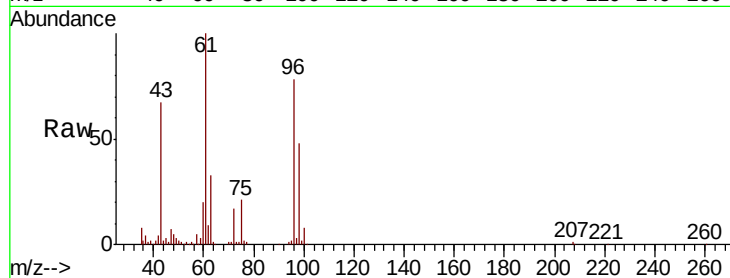
BFB32

Tot Ion: 43 Resp: 141127

Ion Ratio Lower Upper

43 100

72 24.9 12.6 37.8



#23

Bromochloromethane

Concen: 25.200 ug/L

RT: 7.34 min Scan# 906

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Tgt Ion:128 Resp: 78291

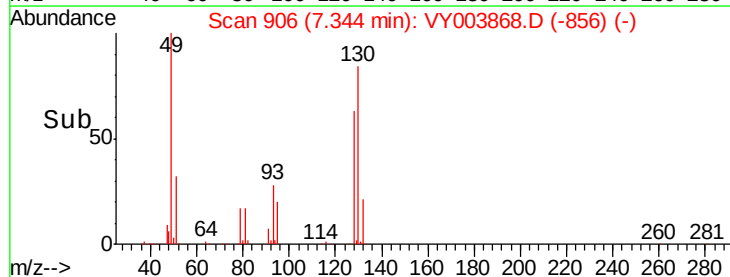
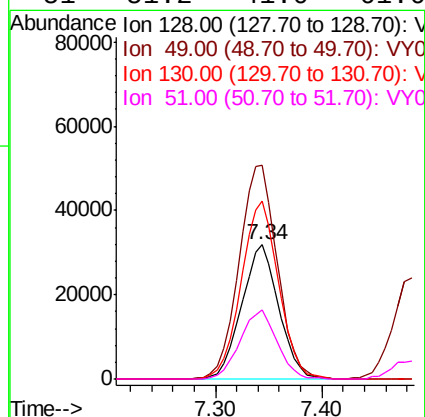
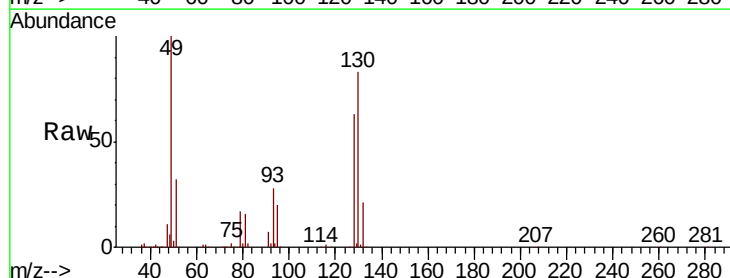
Ion Ratio Lower Upper

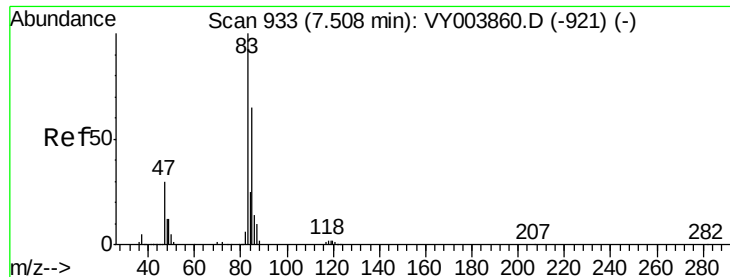
128 100

49 159.2 114.4 212.4

130 132.8 88.8 164.8

51 51.2 41.0 61.6





#25

Chloroform

Concen: 25.260 ug/L

RT: 7.51 min Scan# 934

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampleId :

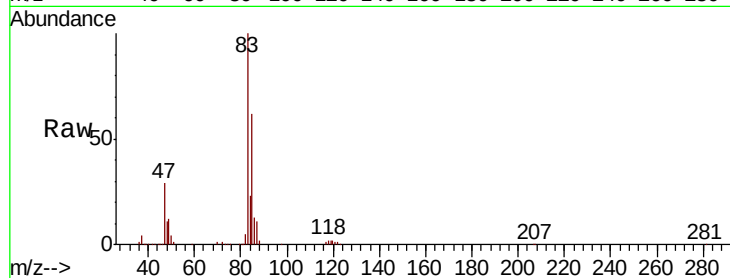
BFB32

Tot Ion: 83 Resp: 278006

Ion Ratio Lower Upper

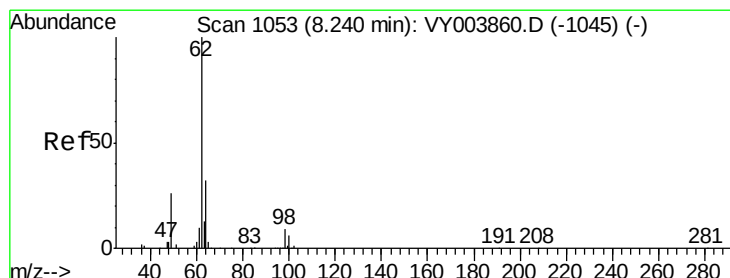
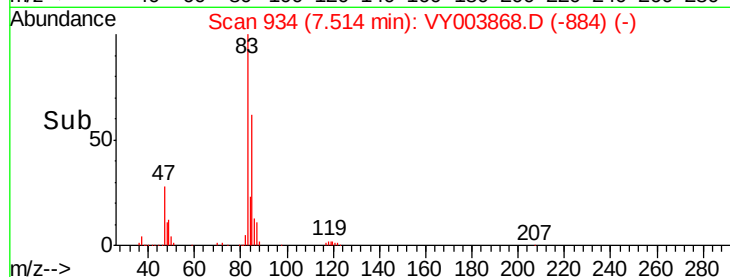
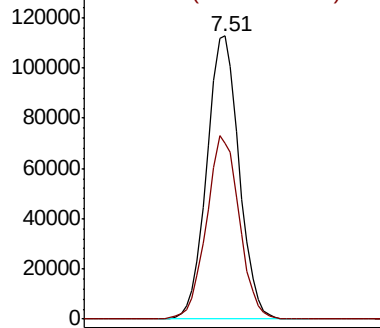
83 100

85 62.3 44.2 82.2



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 23.725 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY003868.D

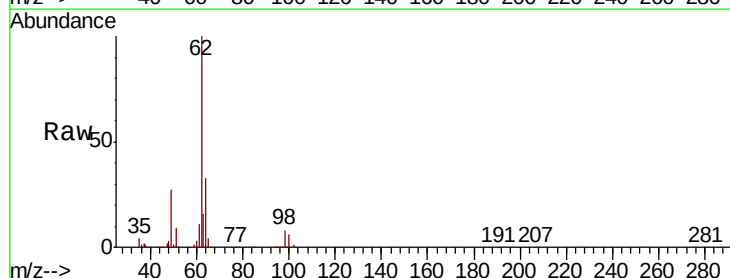
Acq: 04 Jan 2021 12:28

Tgt Ion: 62 Resp: 202927

Ion Ratio Lower Upper

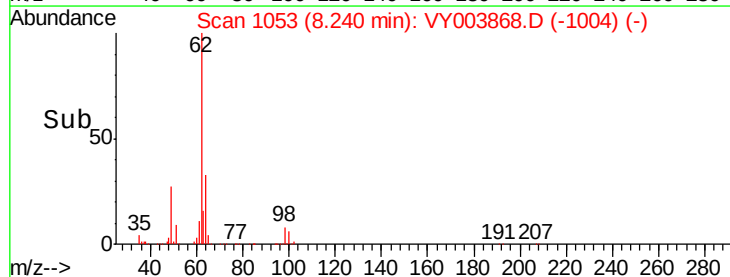
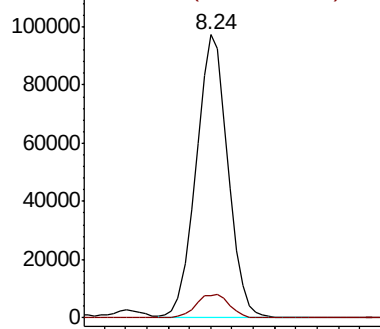
62 100

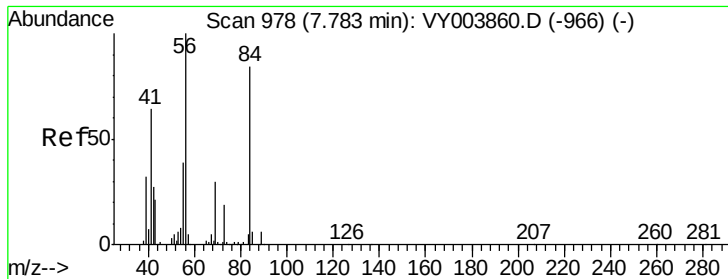
98 8.1 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

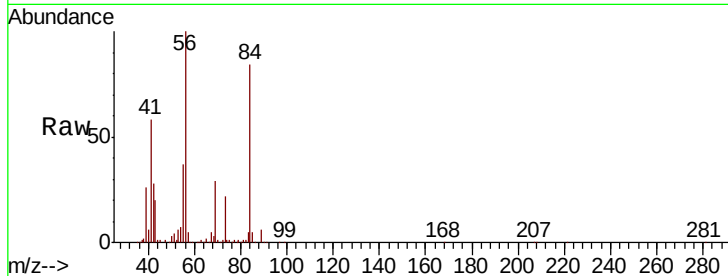




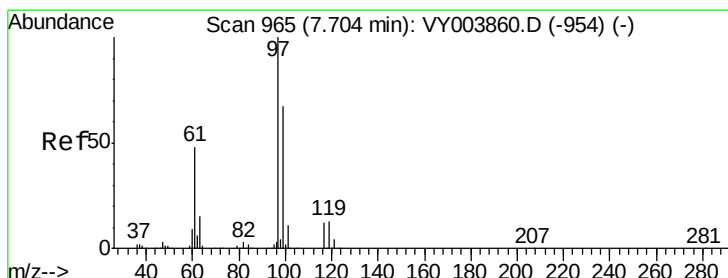
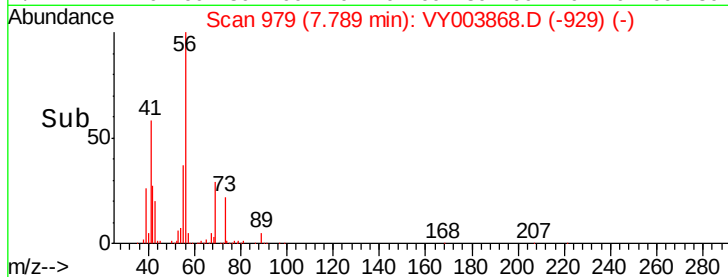
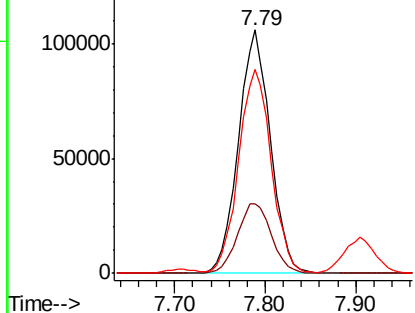
#29
Cyclohexane
Concen: 26.065 ug/L
RT: 7.79 min Scan# 979
Delta R.T. 0.01 min
Lab File: VY003868.D
Acq: 04 Jan 2021 12:28

Instrument :
MSVOA_Y
ClientSampled :
BFB32

Tot Ion: 56 Resp: 258159
Ion Ratio Lower Upper
56 100
69 30.3 24.2 36.2
84 86.0 68.7 103.1

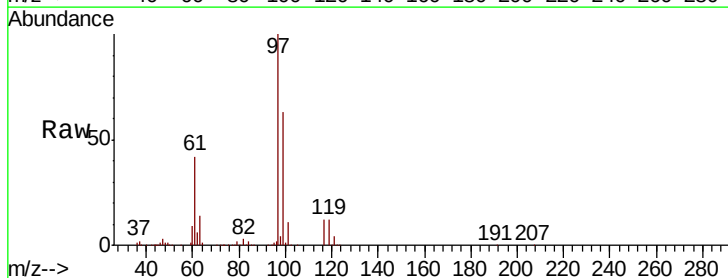


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

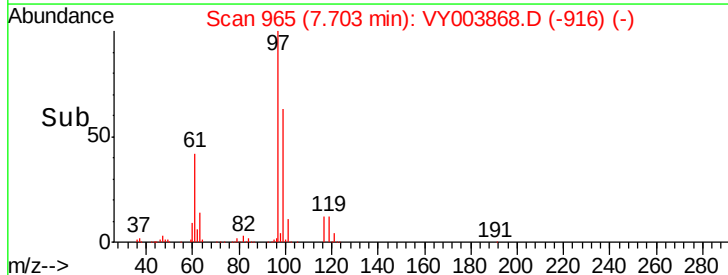
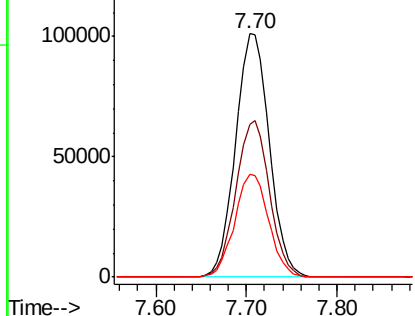


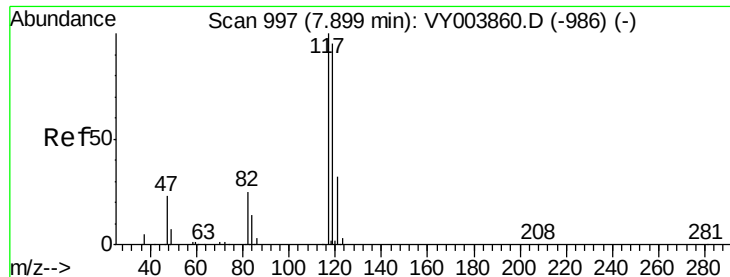
#30
1,1,1-Trichloroethane
Concen: 25.743 ug/L
RT: 7.70 min Scan# 965
Delta R.T. -0.00 min
Lab File: VY003868.D
Acq: 04 Jan 2021 12:28

Tgt Ion: 97 Resp: 261873
Ion Ratio Lower Upper
97 100
99 63.9 50.5 75.7
61 42.7 35.5 53.3



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.05 (60.75 to 61.75): VY0





#31

Carbon tetrachloride

Concen: 25.315 ug/L

RT: 7.90 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampled :

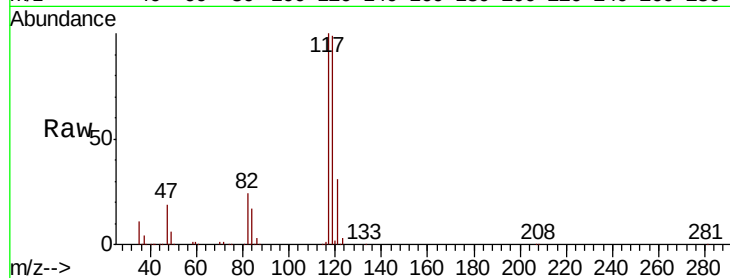
BFB32

Tot Ion:117 Resp: 238152

Ion Ratio Lower Upper

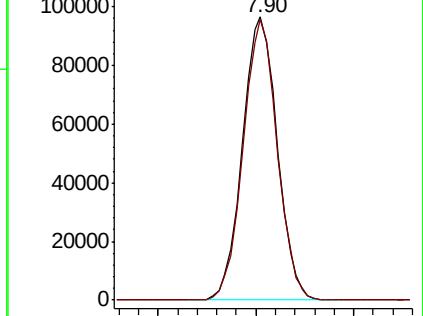
117 100

119 96.9 76.2 114.4

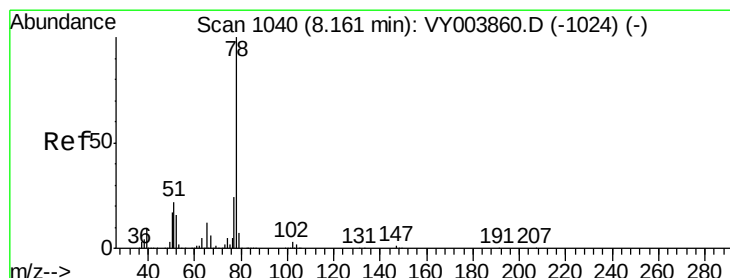
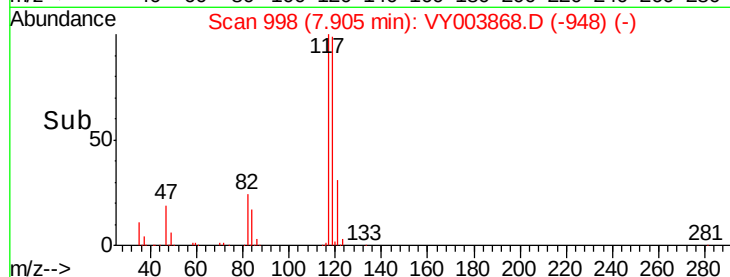


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#33

Benzene

Concen: 26.014 ug/L

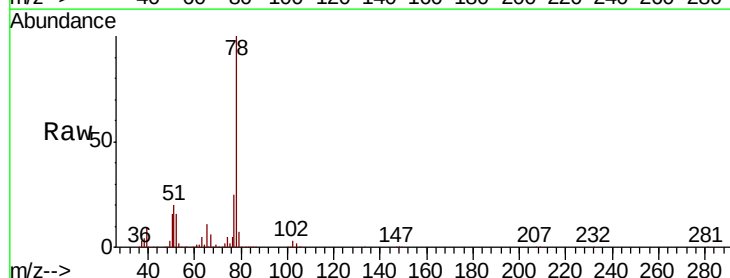
RT: 8.17 min Scan# 1041

Delta R.T. 0.01 min

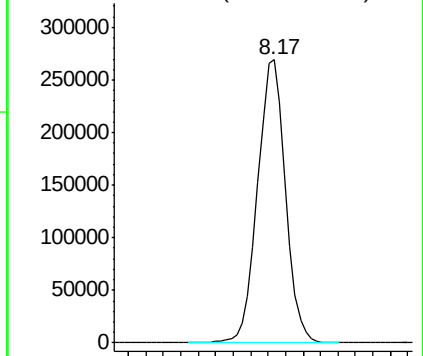
Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

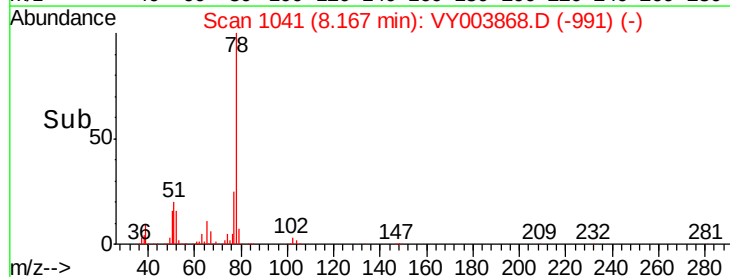
Tgt Ion: 78 Resp: 600994

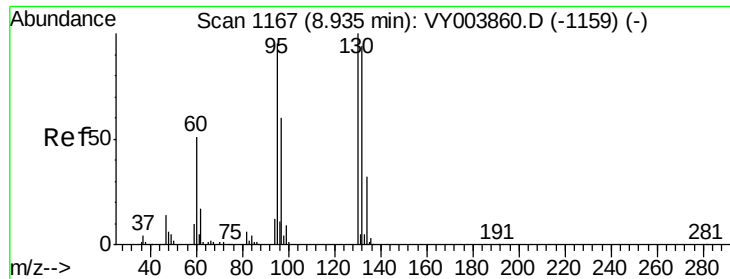


Abundance Ion 78.00 (77.70 to 78.70): VY0



Time-->





#34

Trichloroethene

Concen: 25.793 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampleId :

BFB32

Tot Ion: 95 Resp: 164682

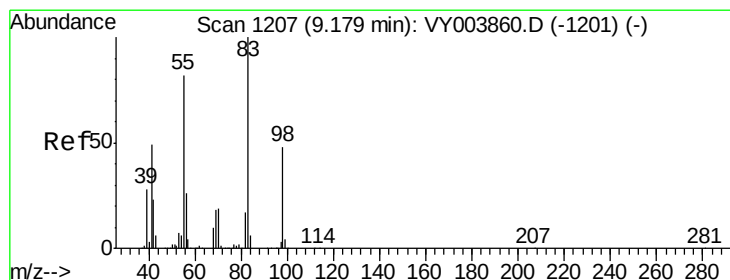
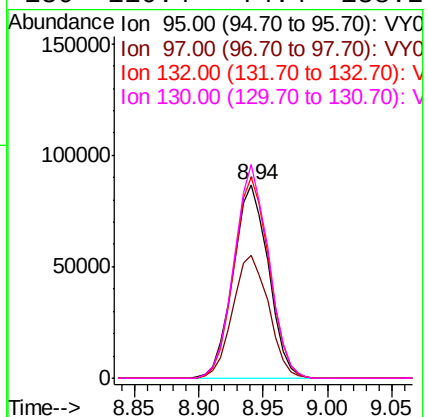
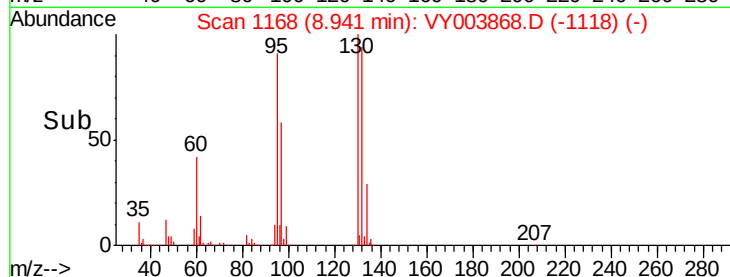
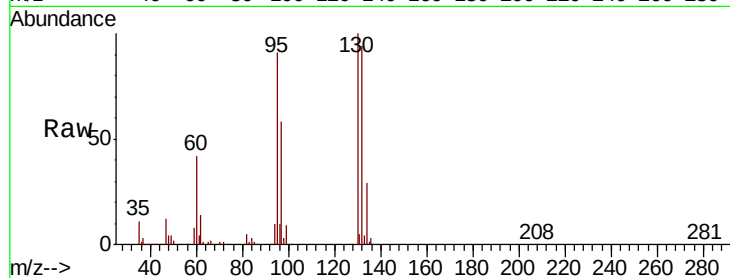
Ion Ratio Lower Upper

95 100

97 63.9 44.4 82.5

132 104.1 71.8 133.4

130 110.4 74.4 138.2



#35

Methylcyclohexane

Concen: 26.281 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

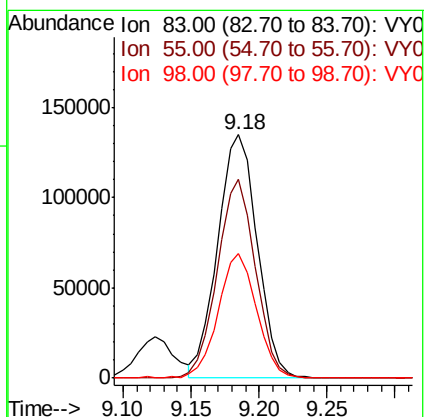
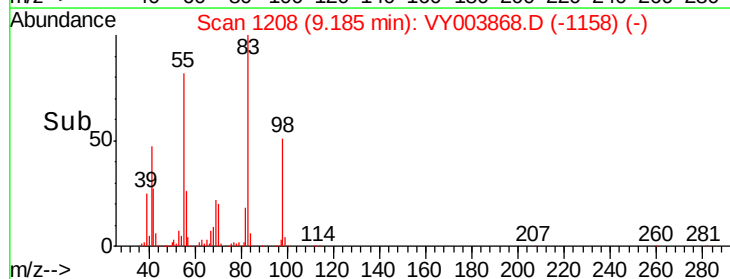
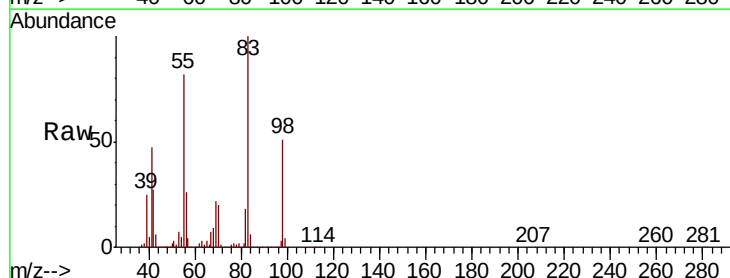
Tgt Ion: 83 Resp: 273068

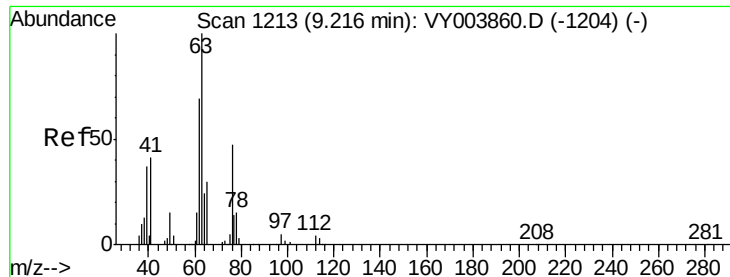
Ion Ratio Lower Upper

83 100

55 78.6 62.9 94.3

98 49.5 39.7 59.5

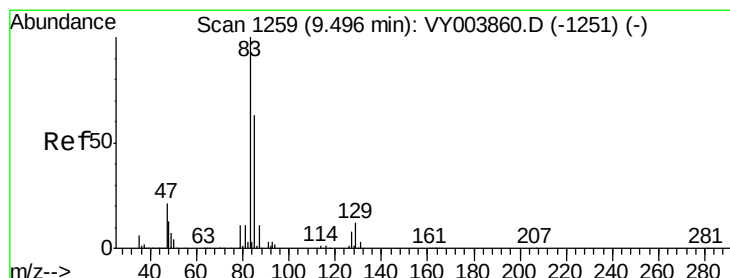
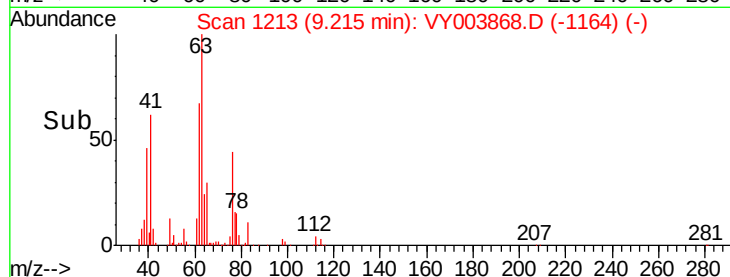
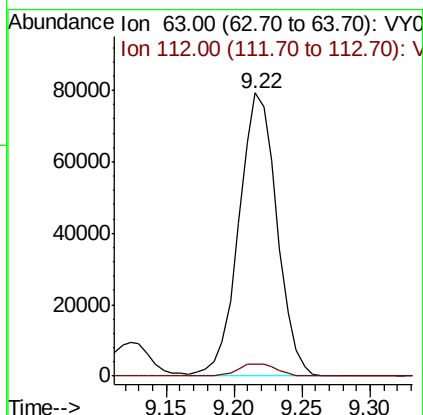
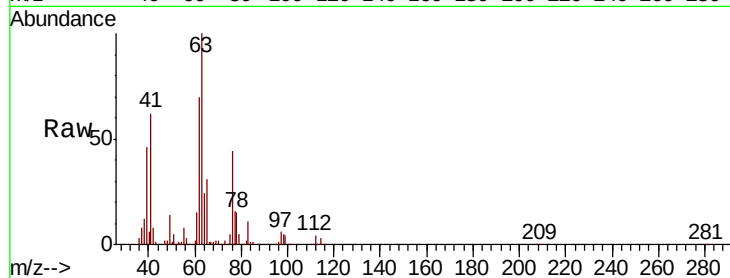




#37
 1,2-Dichloropropane
 Concen: 26.450 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VY003868.D
 Acq: 04 Jan 2021 12:28

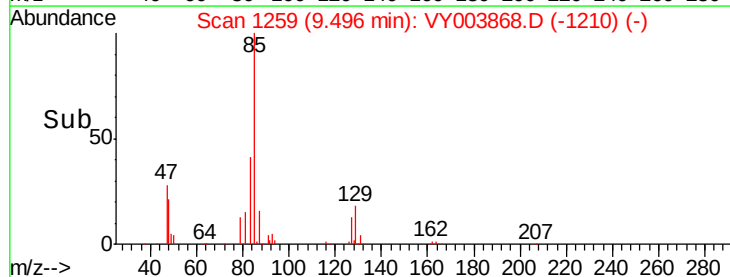
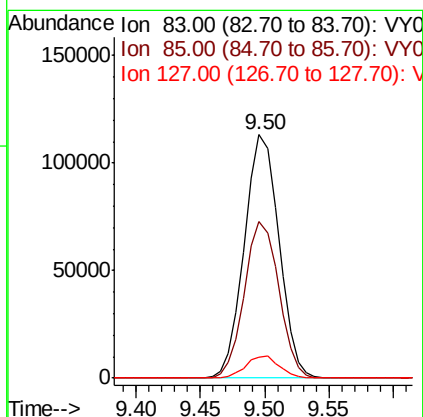
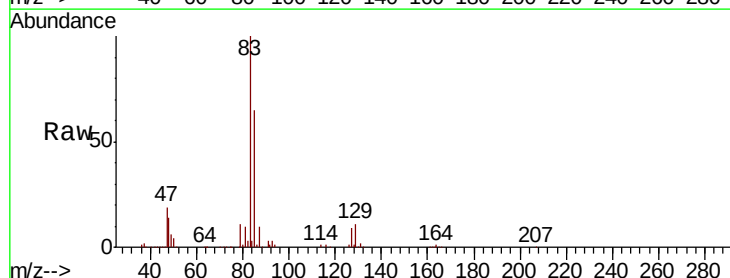
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB32

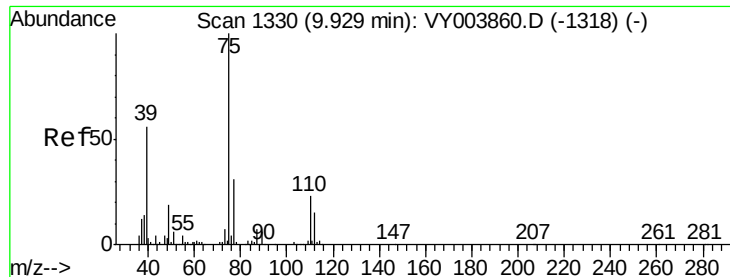
Tot Ion: 63 Resp: 155566
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#38
 Bromodichloromethane
 Concen: 25.469 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VY003868.D
 Acq: 04 Jan 2021 12:28

Tgt Ion: 83 Resp: 211050
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.2 82.0
 127 8.7 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 25.726 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampleId :

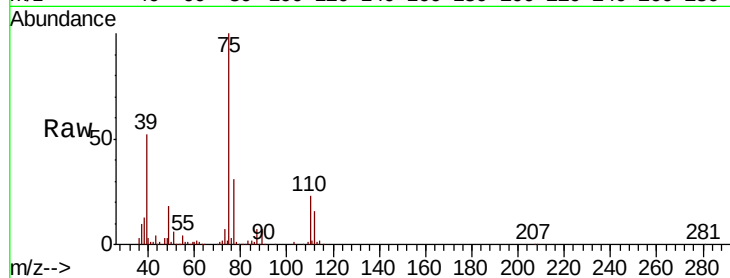
BFB32

Tot Ion: 75 Resp: 258479

Ion Ratio Lower Upper

75 100

77 30.5 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

9.93

150000

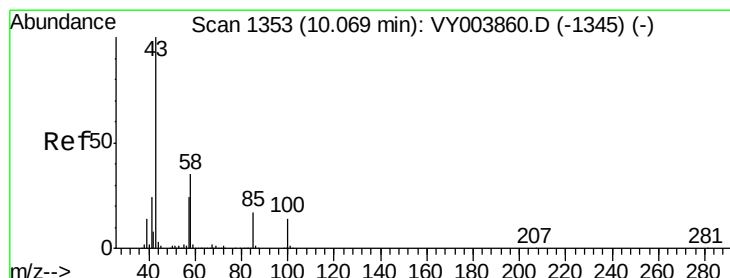
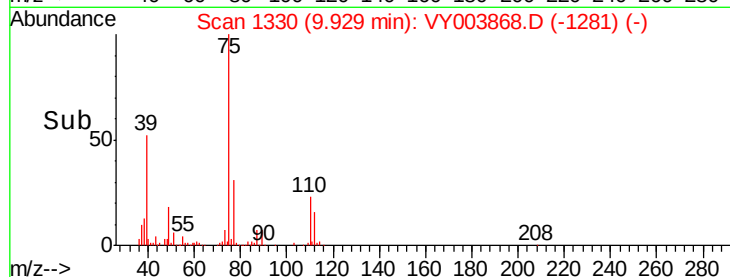
100000

50000

0

9.80 9.90 10.00

Time-->



#40

4-Methyl-2-pentanone

Concen: 49.594 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

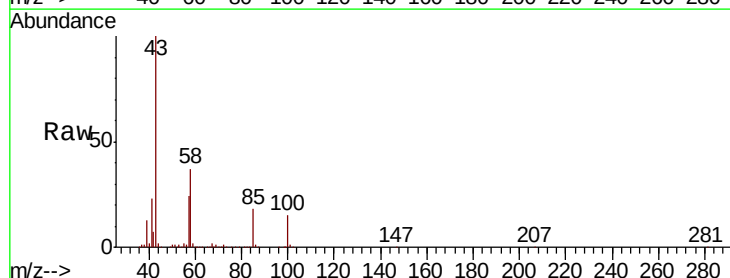
Tgt Ion: 43 Resp: 311398

Ion Ratio Lower Upper

43 100

58 37.8 29.6 44.4

100 15.4 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

300000

250000

200000

150000

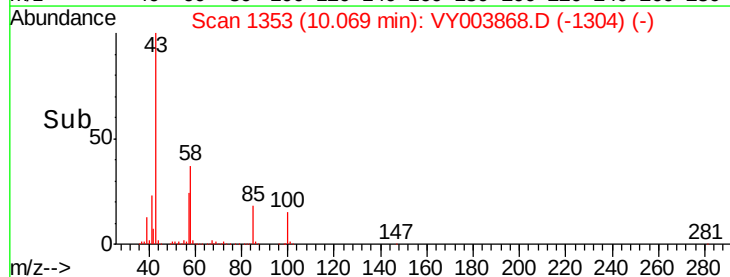
100000

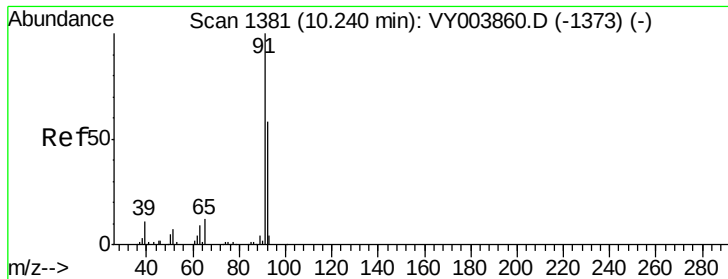
50000

0

10.00 10.10

Time-->





#42

Toluene

Concen: 26.194 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampleId :

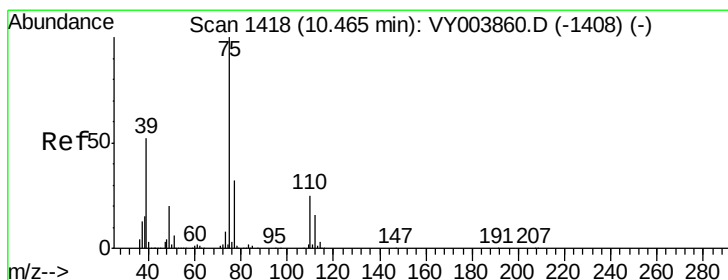
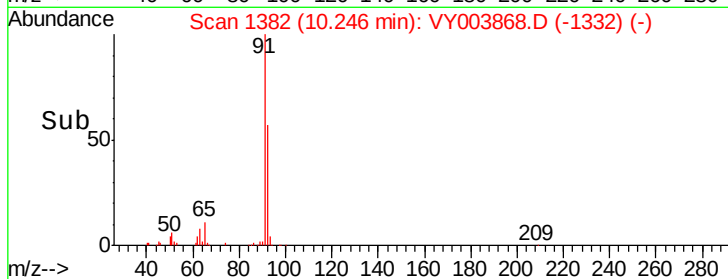
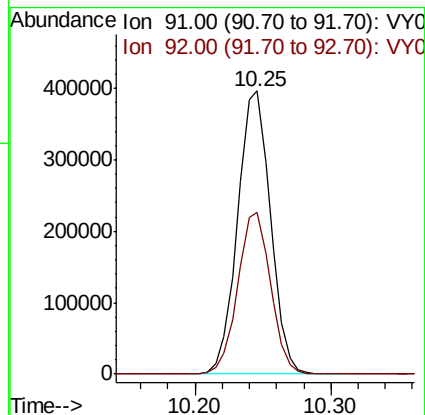
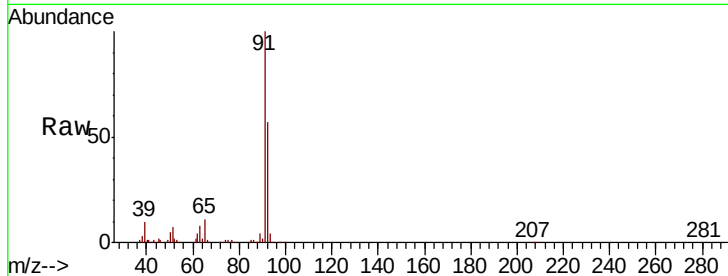
BFB32

Tot Ion: 91 Resp: 669396

Ion Ratio Lower Upper

91 100

92 57.2 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 25.526 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003868.D

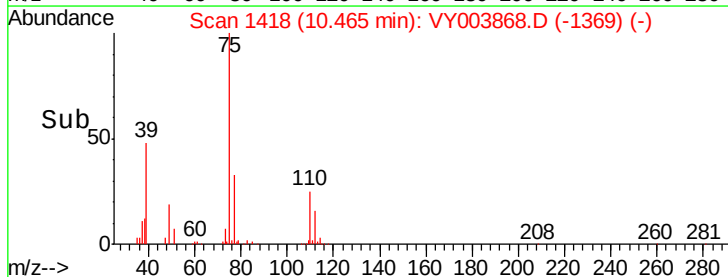
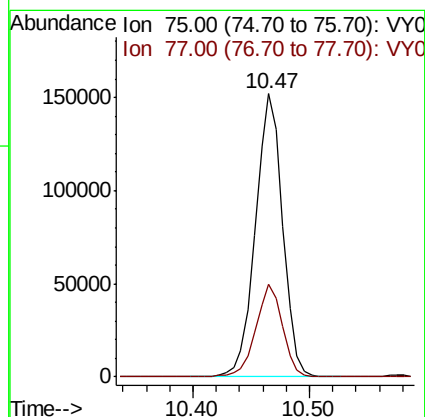
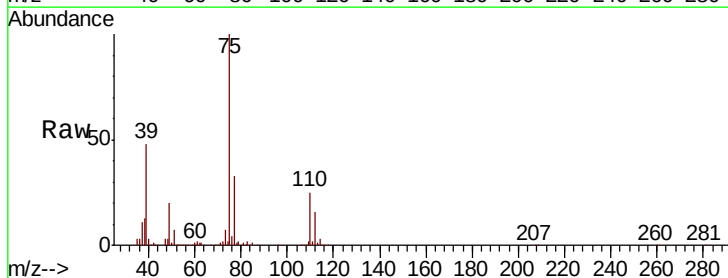
Acq: 04 Jan 2021 12:28

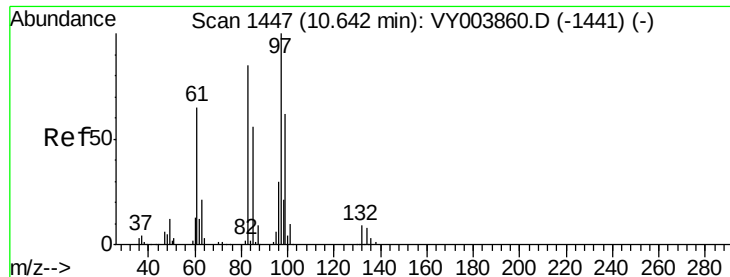
Tgt Ion: 75 Resp: 247589

Ion Ratio Lower Upper

75 100

77 32.8 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 25.743 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampleId :

BFB32

Tot Ion: 97 Resp: 130042

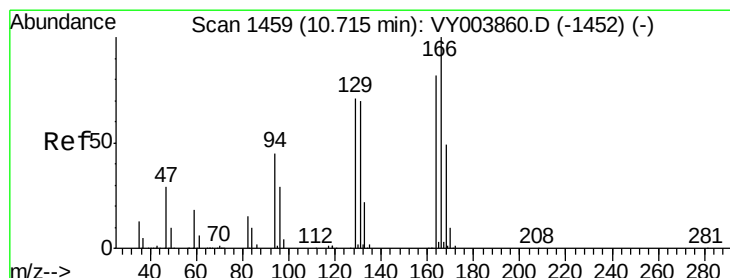
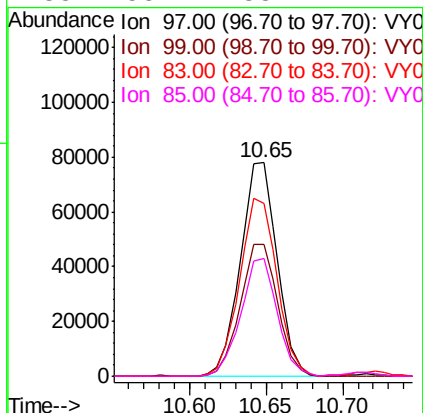
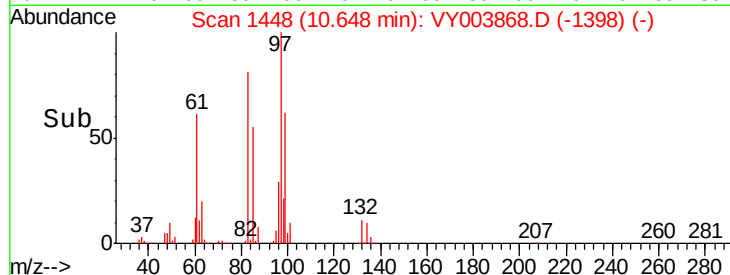
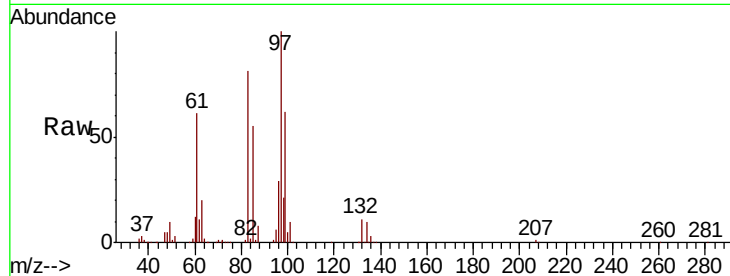
Ion Ratio Lower Upper

97 100

99 61.8 46.0 85.4

83 80.9 60.8 112.8

85 55.1 38.4 71.2



#46

Tetrachloroethene

Concen: 26.642 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Tgt Ion: 164 Resp: 147135

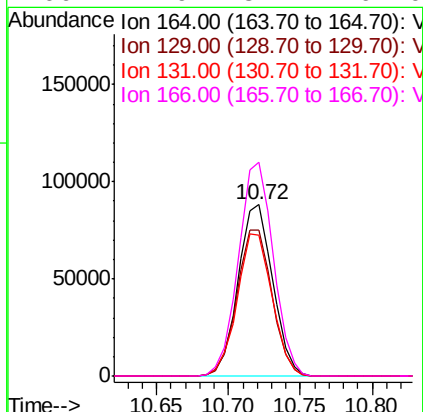
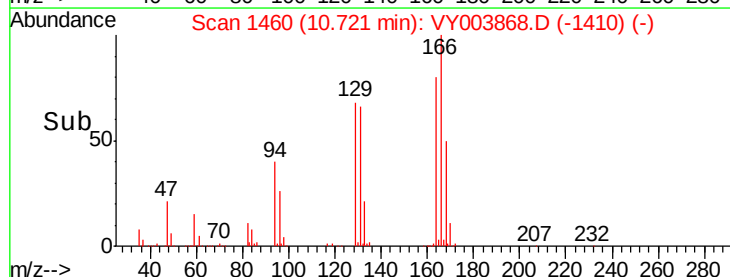
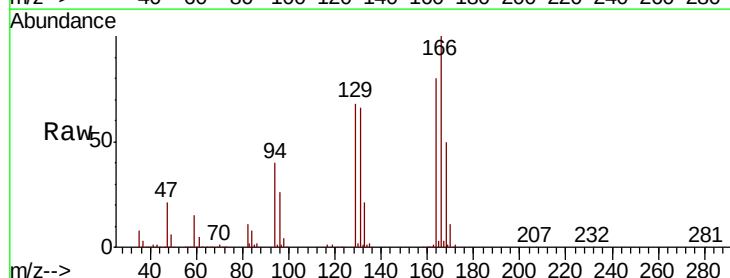
Ion Ratio Lower Upper

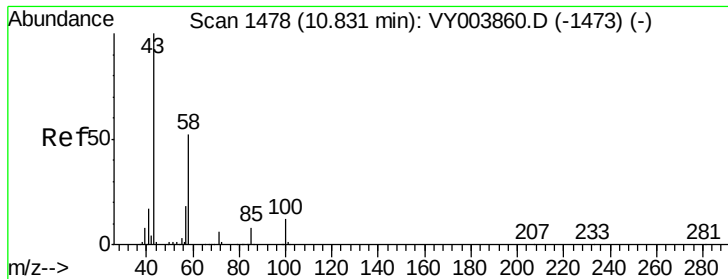
164 100

129 85.4 62.5 116.1

131 82.0 60.7 112.7

166 124.9 87.2 162.0

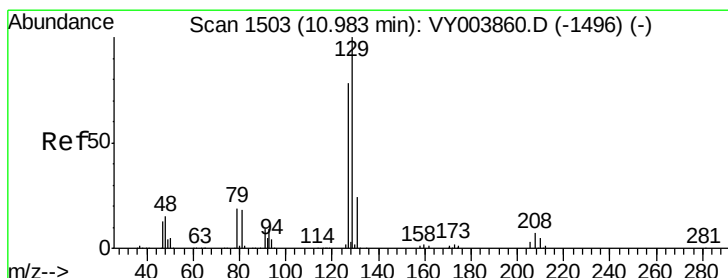
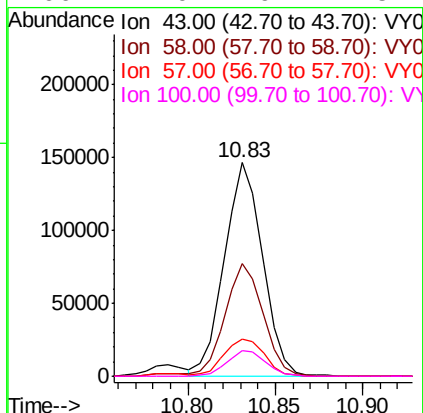
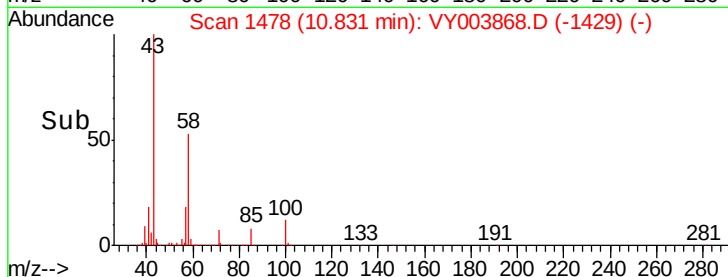
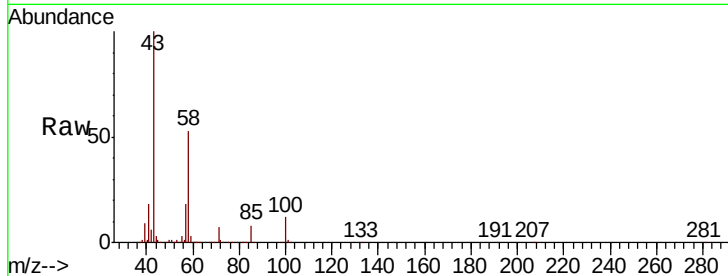




#48
2-Hexanone
Concen: 48.713 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003868.D
Acq: 04 Jan 2021 12:28

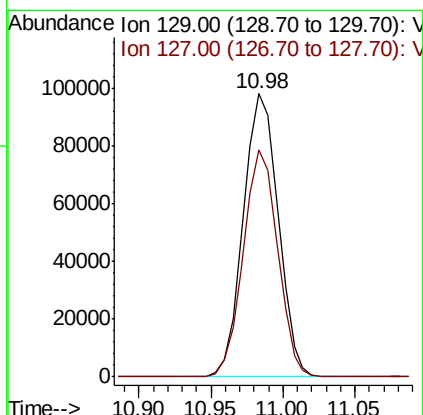
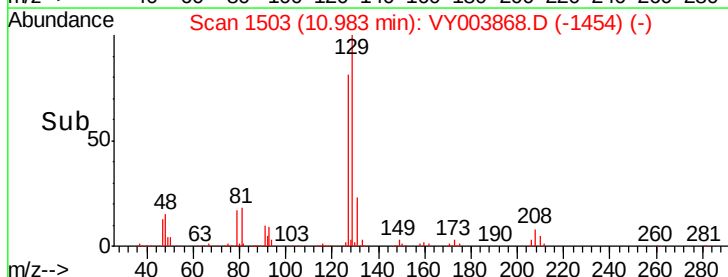
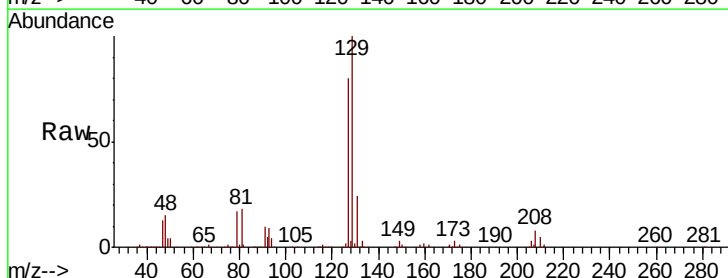
Instrument :
MSVOA_Y
ClientSampleId :
BFB32

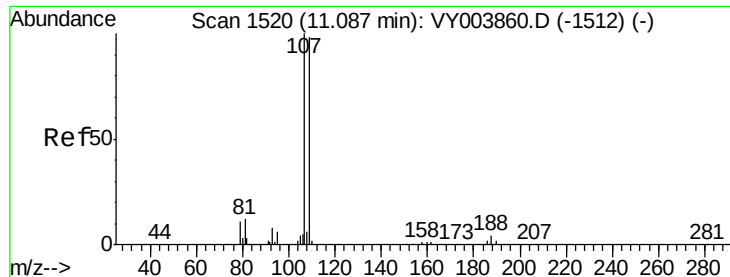
Tot Ion:	43	Resp:	222859
Ion	Ratio	Lower	Upper
43	100		
58	52.6	40.6	60.8
57	18.6	14.5	21.7
100	12.0	9.1	13.7



#49
Dibromochloromethane
Concen: 25.876 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003868.D
Acq: 04 Jan 2021 12:28

Tgt Ion:	129	Resp:	165489
Ion	Ratio	Lower	Upper
129	100		
127	80.4	52.7	97.9

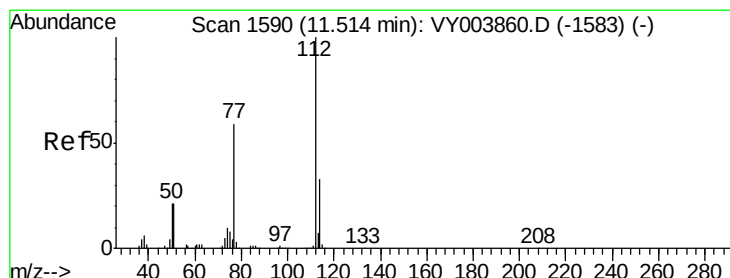
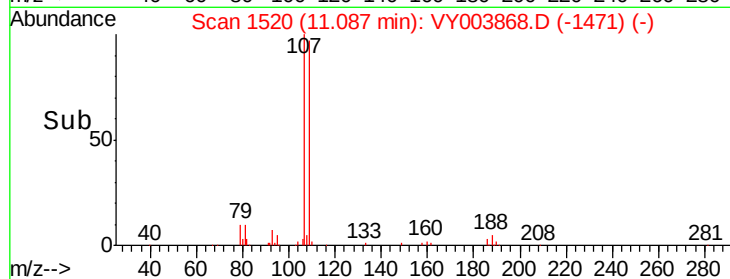
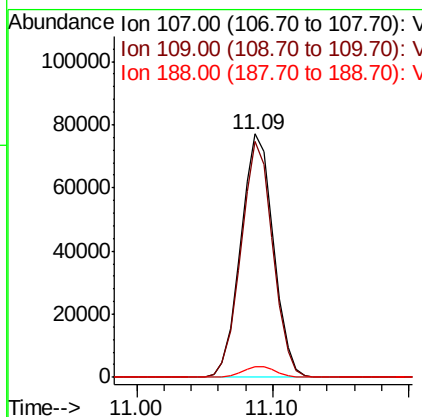
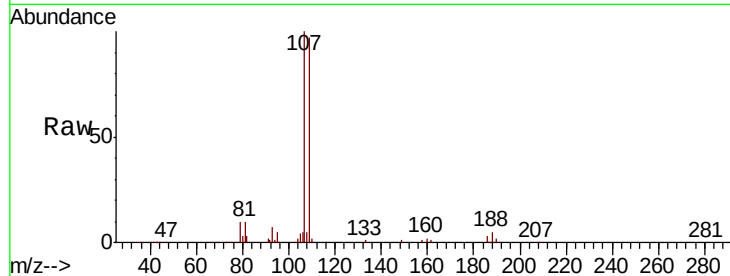




#50
 1,2-Dibromoethane
 Concen: 25.983 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. -0.00 min
 Lab File: VY003868.D
 Acq: 04 Jan 2021 12:28

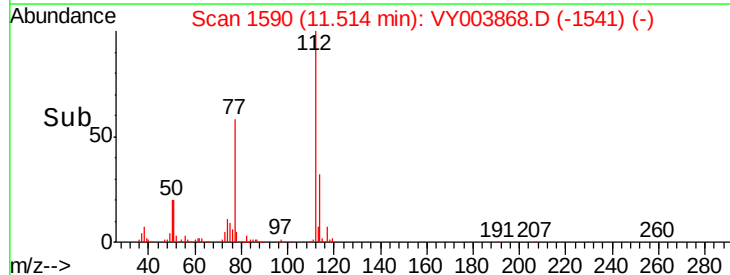
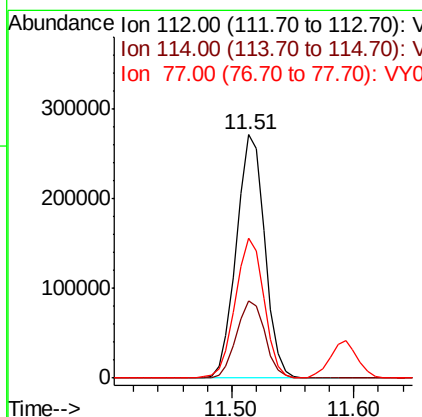
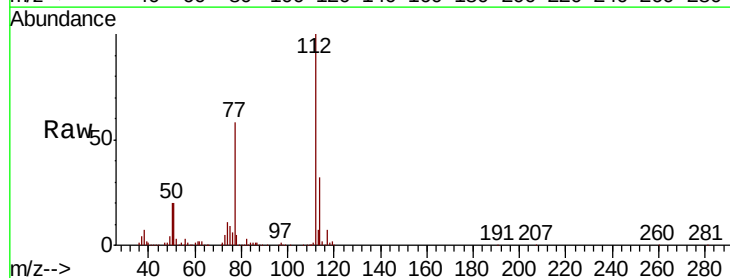
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB32

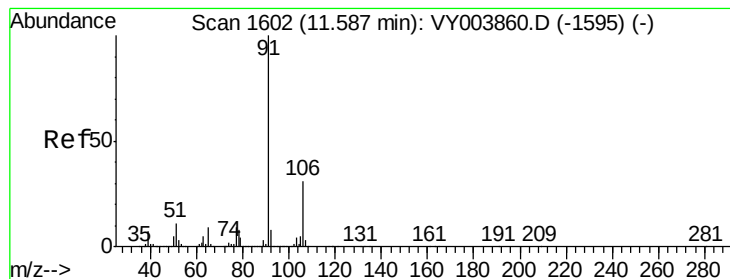
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.8	65.5	121.7
188	4.5	3.6	5.4



#51
 Chlorobenzene
 Concen: 26.303 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: VY003868.D
 Acq: 04 Jan 2021 12:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.9
77	57.6	45.2	67.8





#52

Ethylbenzene

Concen: 26.256 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampled :

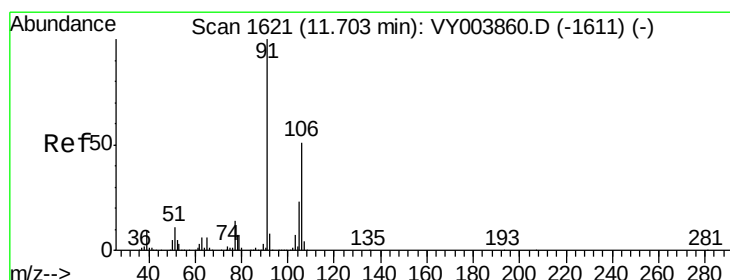
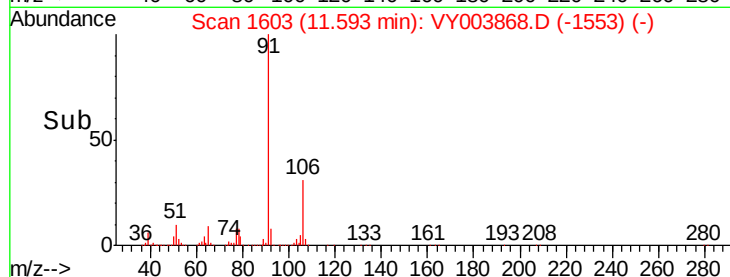
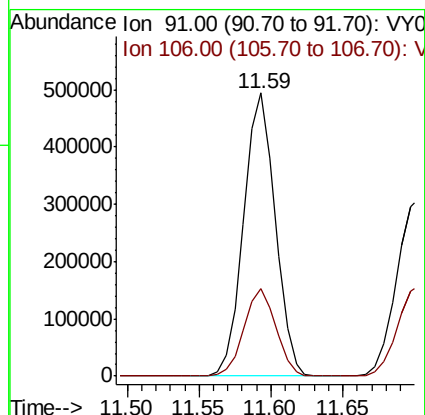
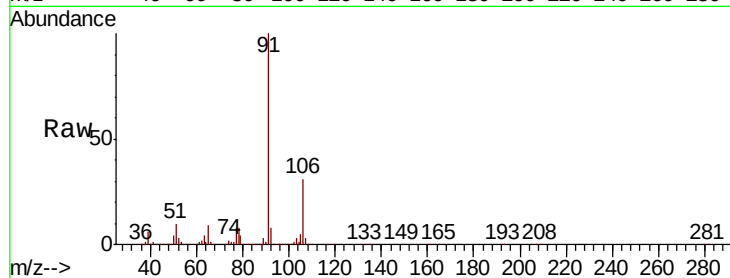
BFB32

Tot Ion: 91 Resp: 751631

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



#53

m,p-Xylene

Concen: 26.569 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003868.D

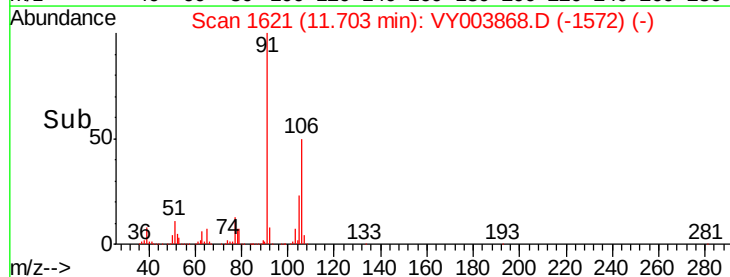
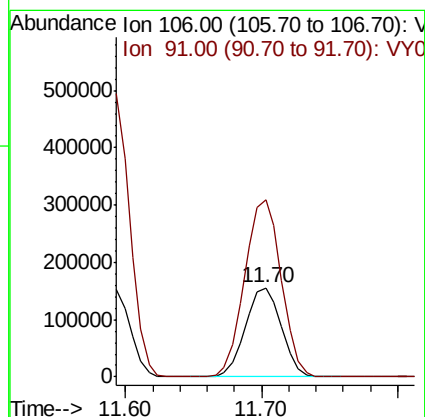
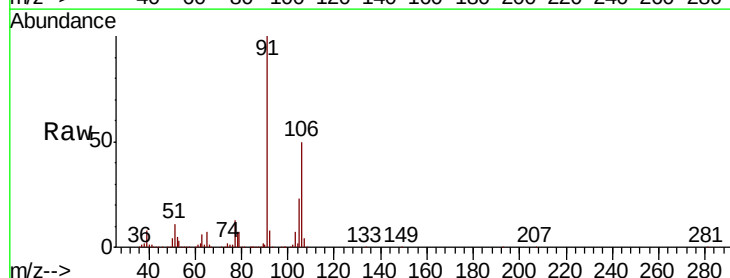
Acq: 04 Jan 2021 12:28

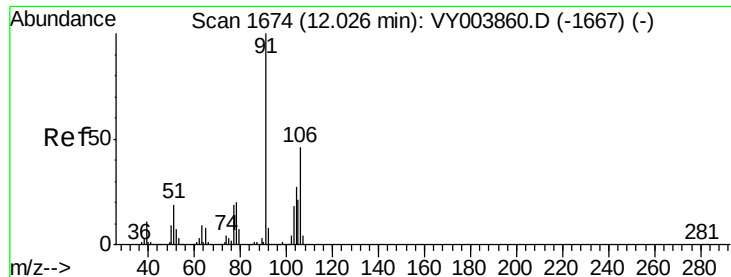
Tgt Ion: 106 Resp: 288433

Ion Ratio Lower Upper

106 100

91 199.2 146.3 271.7

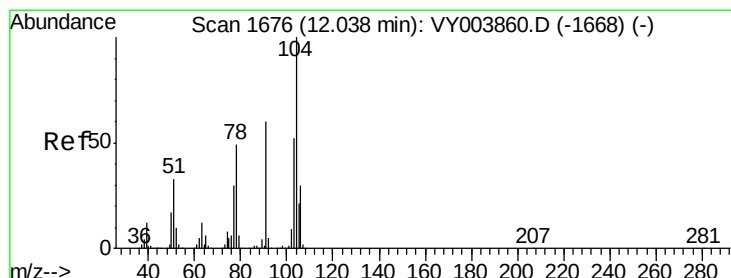
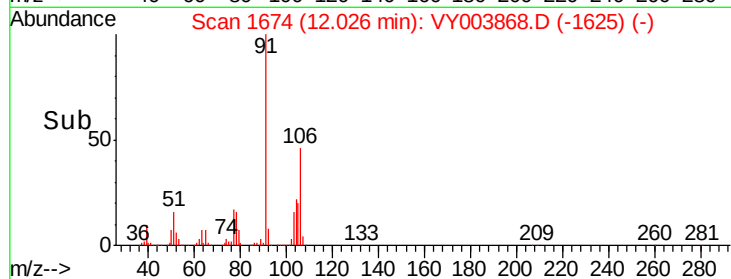
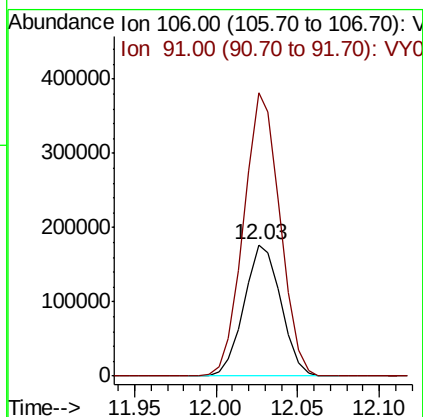
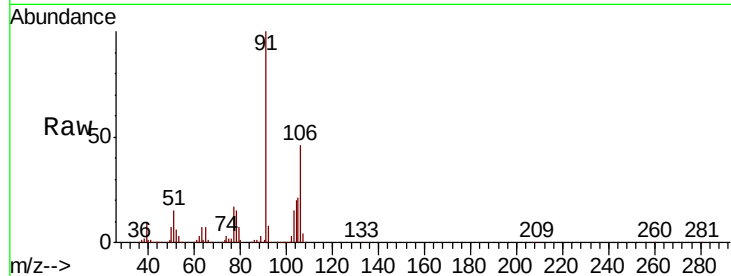




#54
o-Xylene
Concen: 26.249 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VY003868.D
Acq: 04 Jan 2021 12:28

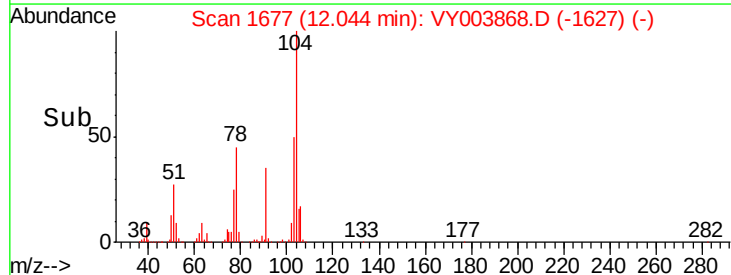
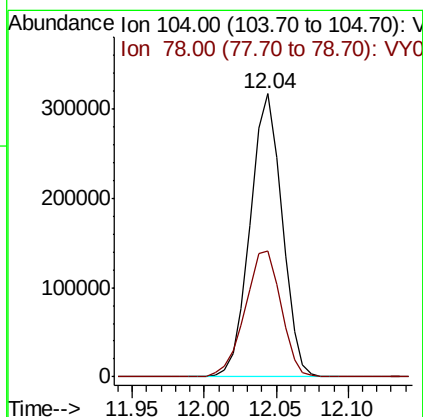
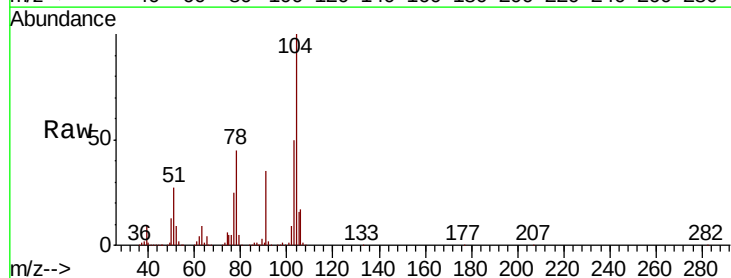
Instrument :
MSVOA_Y
ClientSampled :
BFB32

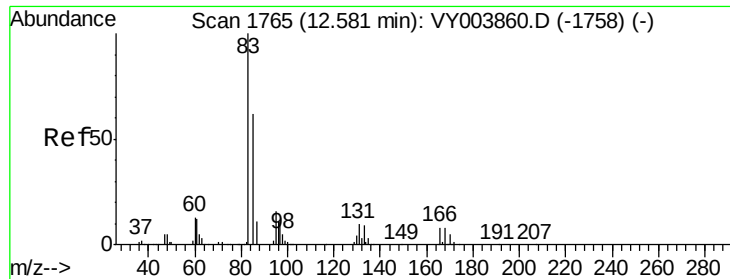
Tot Ion:106 Resp: 277470
Ion Ratio Lower Upper
106 100
91 215.3 147.7 274.3



#55
Styrene
Concen: 26.533 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VY003868.D
Acq: 04 Jan 2021 12:28

Tgt Ion:104 Resp: 485017
Ion Ratio Lower Upper
104 100
78 44.5 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 26.434 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampled :

BFB32

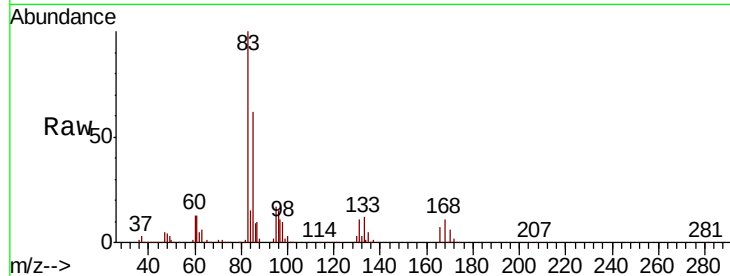
Tot Ion: 83 Resp: 158028

Ion Ratio Lower Upper

83 100

85 62.2 44.9 83.3

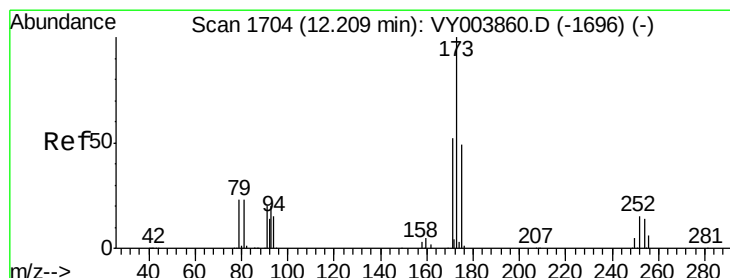
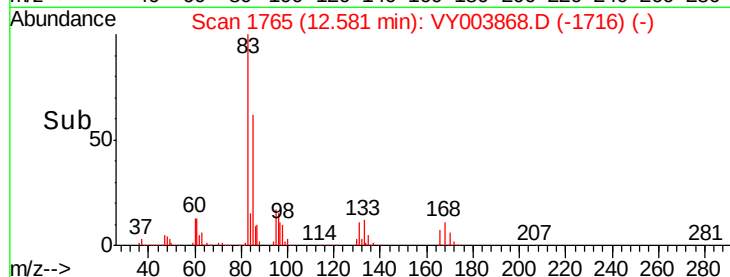
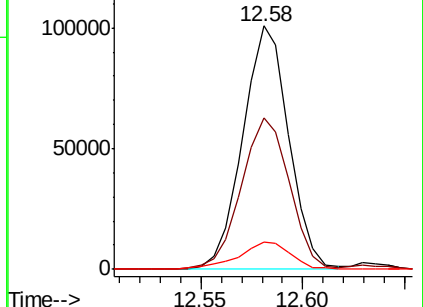
131 11.1 9.0 13.6



Abundance Ion 83.00 (82.70 to 83.70): VY003868.D (-1758) (-)

Ion 85.00 (84.70 to 85.70): VY003868.D (-1758) (-)

Ion 131.00 (130.70 to 131.70): VY003868.D (-1758) (-)



#59

Bromoform

Concen: 25.384 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

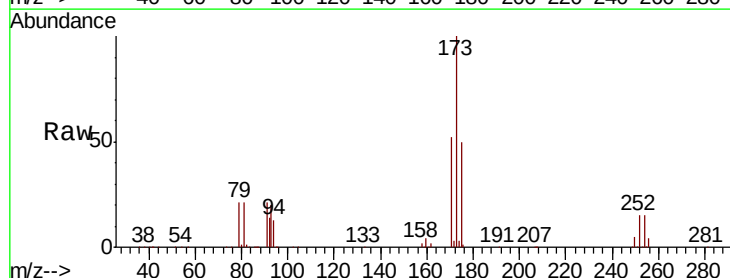
Tgt Ion: 173 Resp: 120517

Ion Ratio Lower Upper

173 100

175 49.4 38.9 58.3

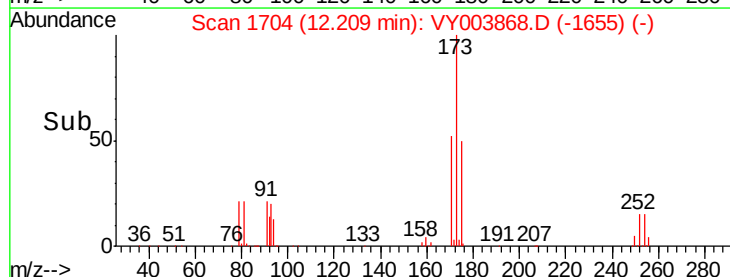
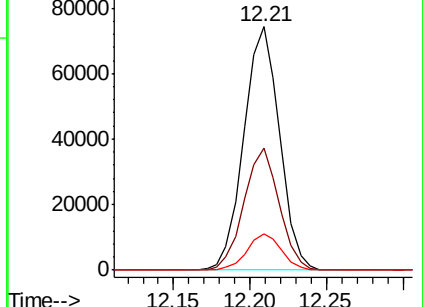
254 14.4 11.5 17.3

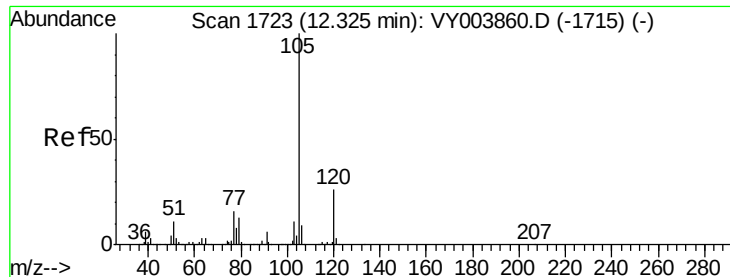


Abundance Ion 173.00 (172.70 to 173.70): VY003868.D (-1696) (-)

Ion 175.00 (174.70 to 175.70): VY003868.D (-1696) (-)

Ion 254.00 (253.70 to 254.70): VY003868.D (-1696) (-)





#60

Isopropylbenzene

Concen: 26.453 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampleId :

BFB32

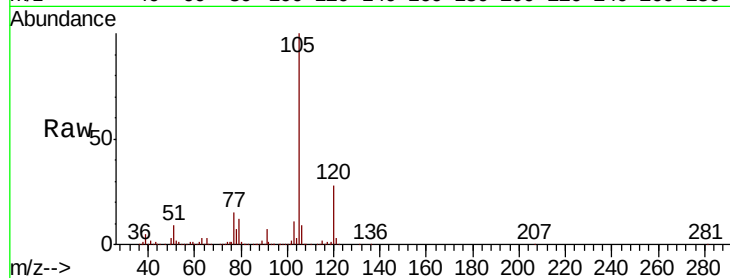
Tot Ion:105 Resp: 769339

Ion Ratio Lower Upper

105 100

120 26.8 21.7 32.5

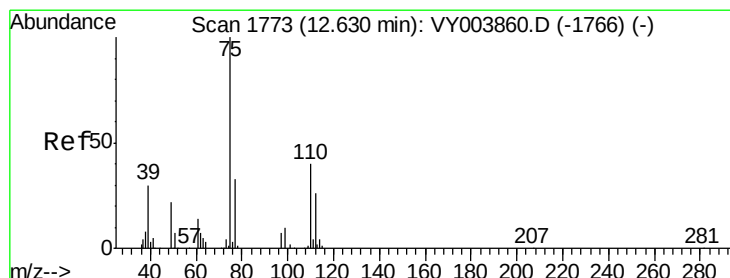
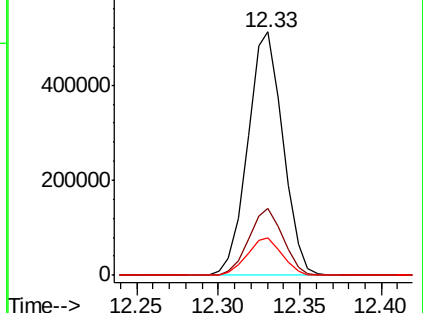
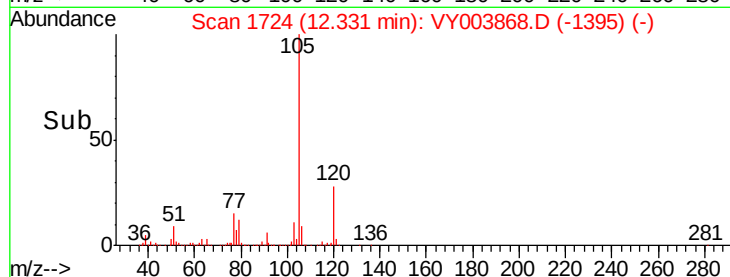
77 15.4 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): VY003868.D (-1715) (-)

Ion 120.00 (119.70 to 120.70): VY003868.D (-1715) (-)

Ion 77.00 (76.70 to 77.70): VY003868.D (-1715) (-)



#61

1,2,3-Trichloropropane

Concen: 25.102 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

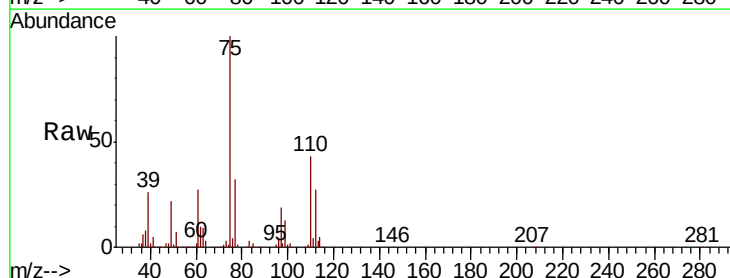
Tgt Ion: 75 Resp: 135616

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.4

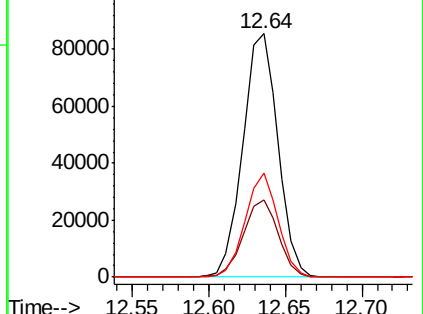
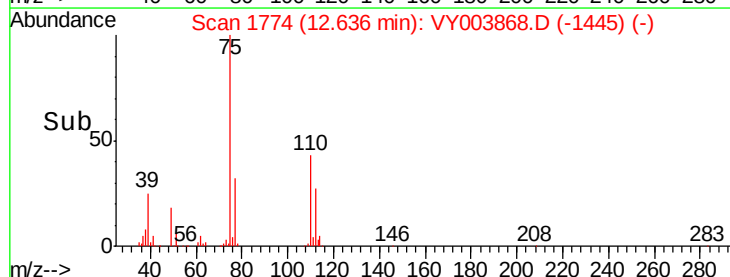
110 40.2 32.4 48.6

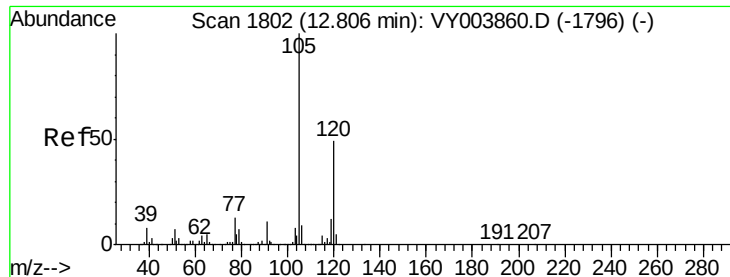


Abundance Ion 75.00 (74.70 to 75.70): VY003868.D (-1766) (-)

Ion 77.00 (76.70 to 77.70): VY003868.D (-1766) (-)

Ion 110.00 (109.70 to 110.70): VY003868.D (-1766) (-)





#62

1,3,5-Trimethylbenzene

Concen: 26.395 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampleId :

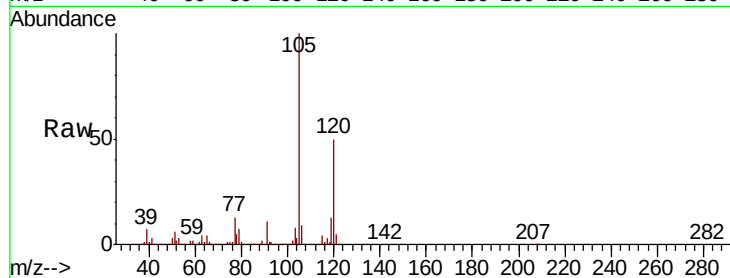
BFB32

Tot Ion:105 Resp: 637591

Ion Ratio Lower Upper

105 100

120 49.7 39.0 58.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.81

400000

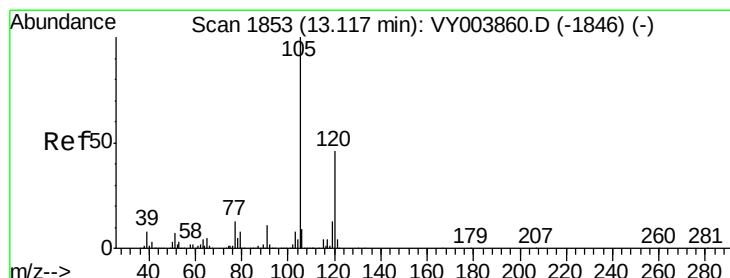
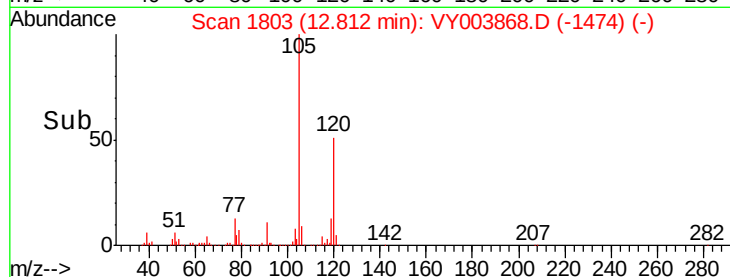
300000

200000

100000

0

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 26.211 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VY003868.D

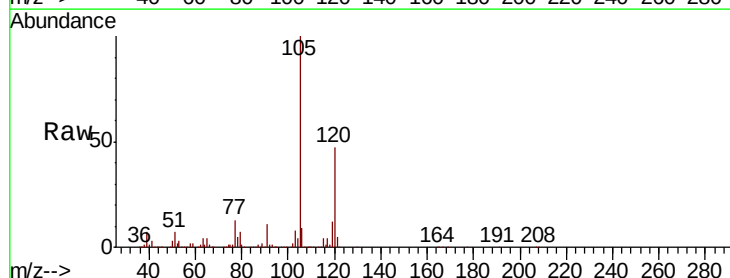
Acq: 04 Jan 2021 12:28

Tgt Ion:105 Resp: 641442

Ion Ratio Lower Upper

105 100

120 47.0 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.12

400000

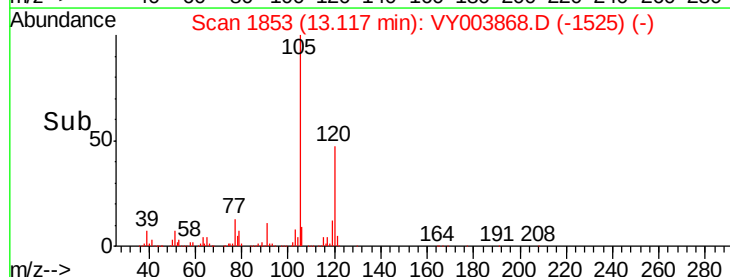
300000

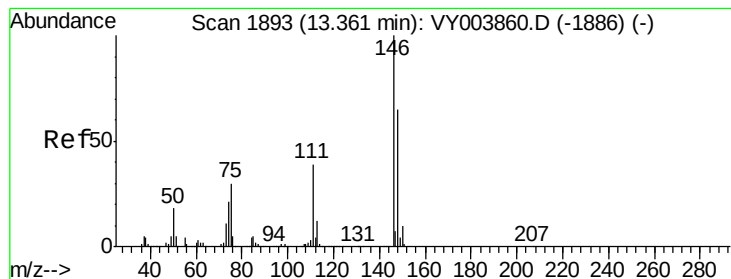
200000

100000

0

Time-->





#64

1,3-Dichlorobenzene

Concen: 26.330 ug/L

RT: 13.37 min Scan# 1894

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

Instrument :

MSVOA_Y

ClientSampleId :

BFB32

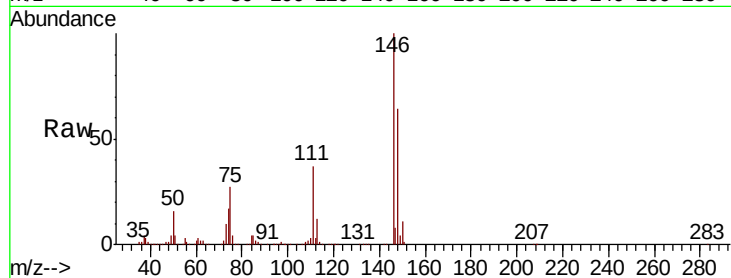
Tot Ion:146 Resp: 370945

Ion Ratio Lower Upper

146 100

111 37.5 27.7 51.5

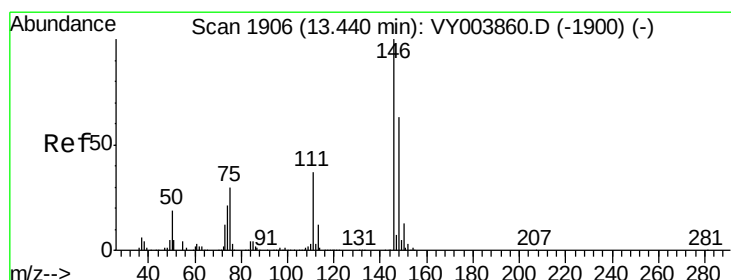
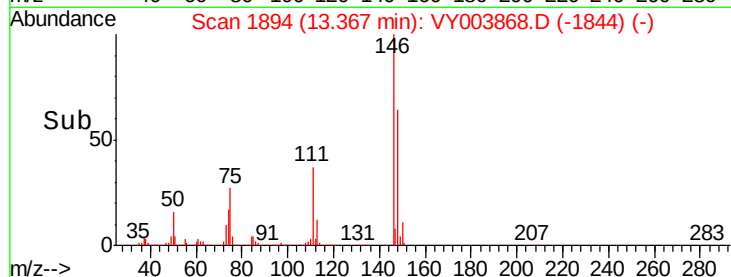
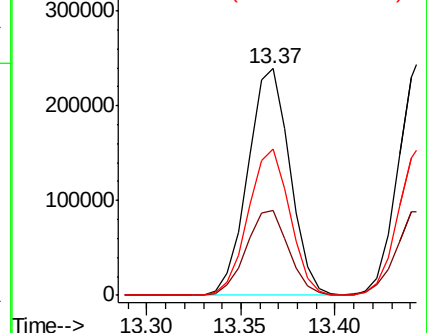
148 64.3 45.4 84.4



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

1,4-Dichlorobenzene

Concen: 26.446 ug/L

RT: 13.45 min Scan# 1907

Delta R.T. 0.01 min

Lab File: VY003868.D

Acq: 04 Jan 2021 12:28

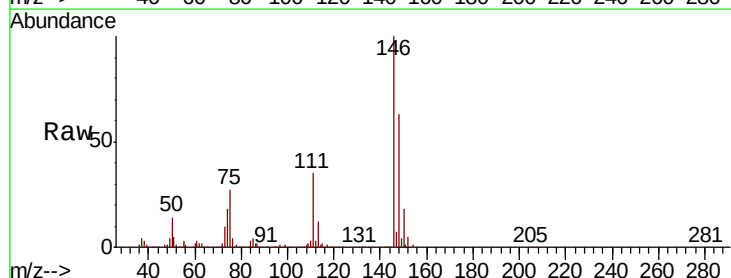
Tgt Ion:146 Resp: 377275

Ion Ratio Lower Upper

146 100

111 34.6 25.7 47.7

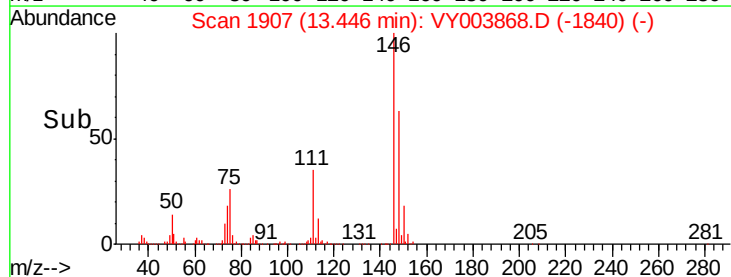
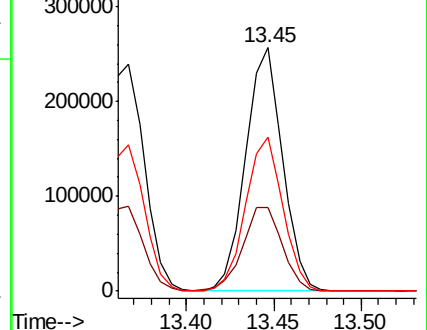
148 63.2 44.4 82.4

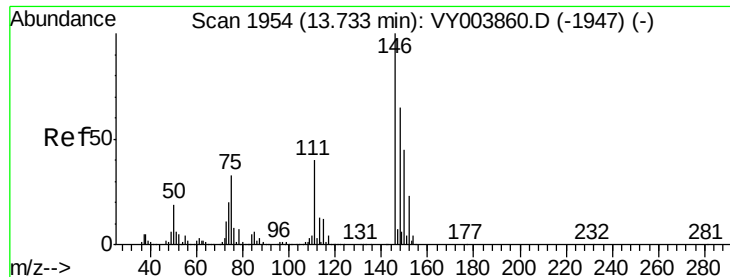


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

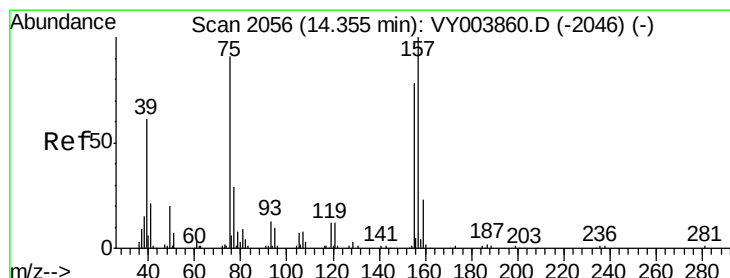
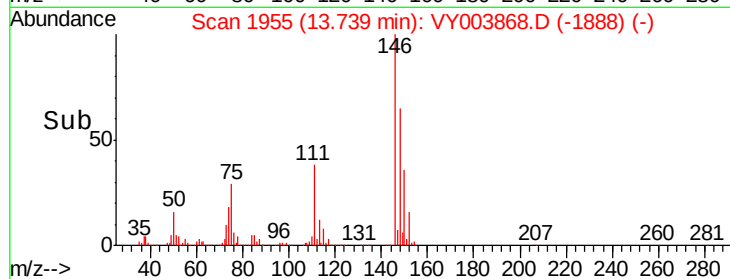
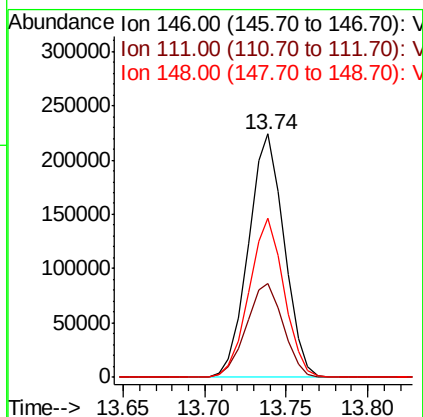
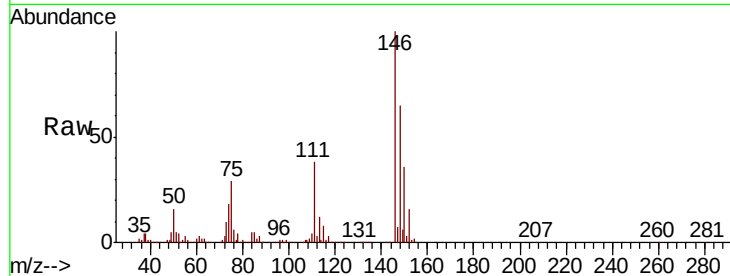




#67
 1,2-Dichlorobenzene
 Concen: 25.975 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. 0.01 min
 Lab File: VY003868.D
 Acq: 04 Jan 2021 12:28

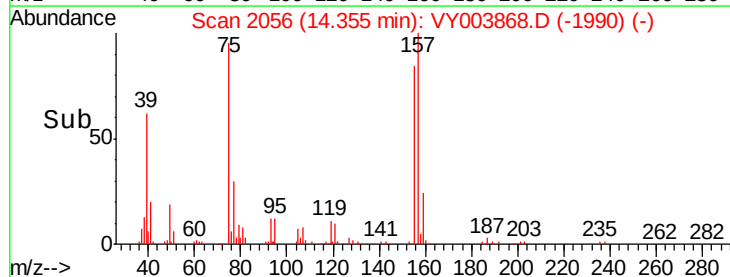
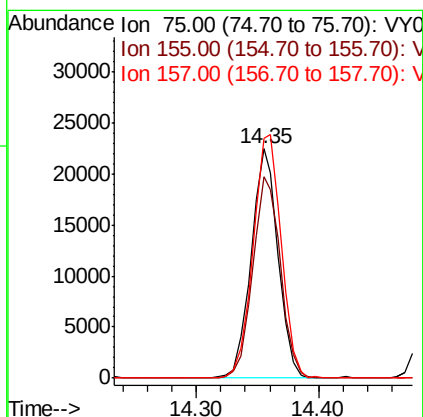
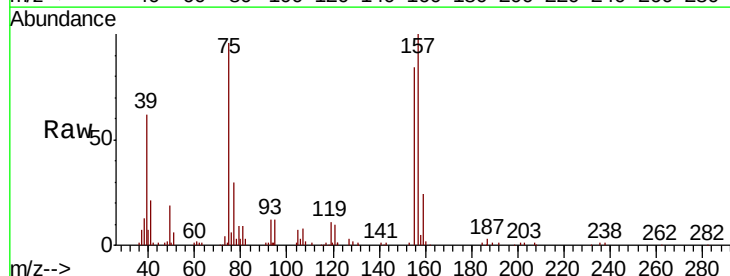
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB32

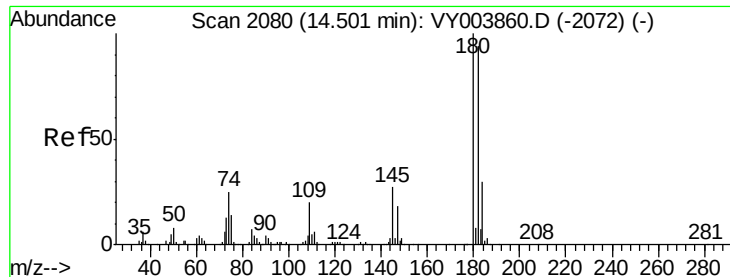
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	31.3	46.9
148	65.3	51.0	76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 25.621 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: VY003868.D
 Acq: 04 Jan 2021 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.6	68.2	102.4
157	104.7	90.2	135.4

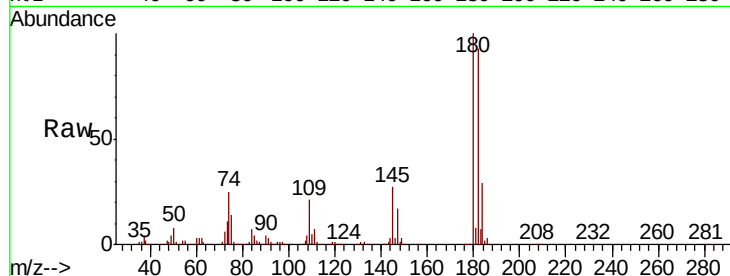




#69
 1,3,5-Trichlorobenzene
 Concen: 26.728 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003868.D
 Acq: 04 Jan 2021 12:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB32

Tot Ion:180	Resp:	293545
Ion	Ratio	Lower Upper
180	100	
182	95.8	75.6 113.4
184	30.6	24.9 37.3
145	27.5	21.8 32.6



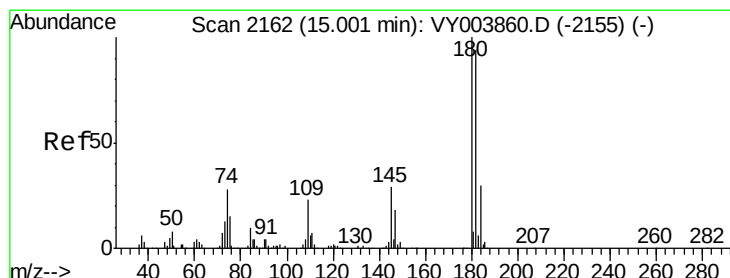
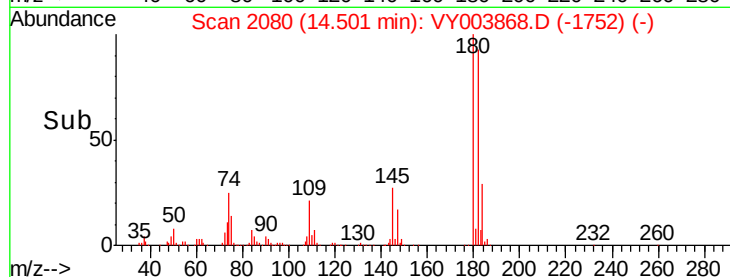
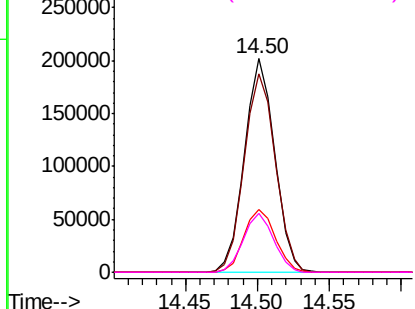
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

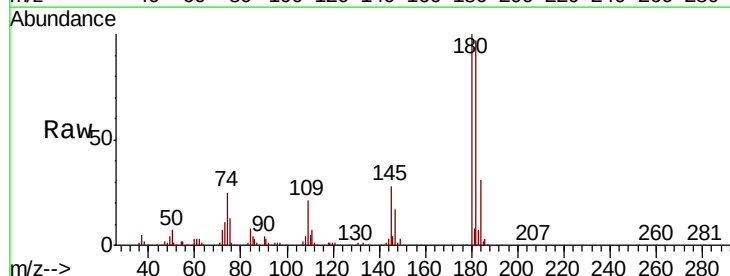
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 26.719 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.01 min
 Lab File: VY003868.D
 Acq: 04 Jan 2021 12:28

Tgt Ion:180	Resp:	248808
Ion	Ratio	Lower Upper
180	100	
182	96.4	76.1 114.1
145	28.2	22.6 33.8

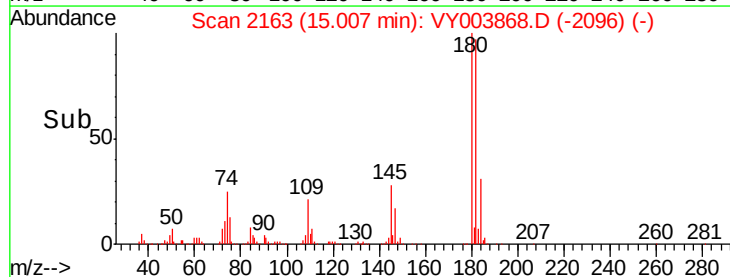
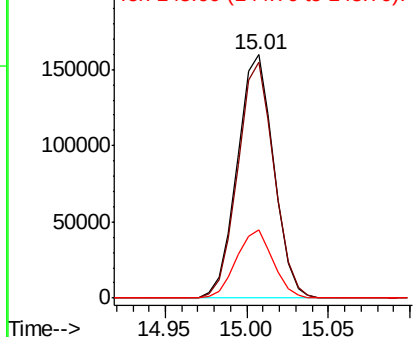


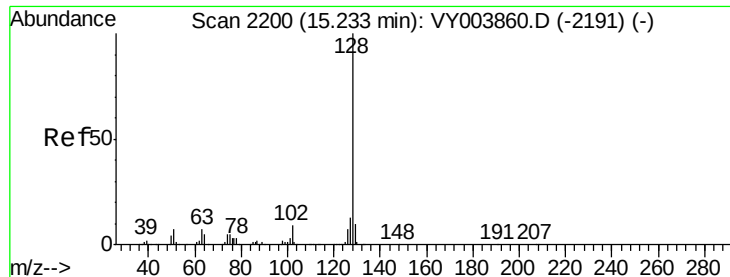
Abundance

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

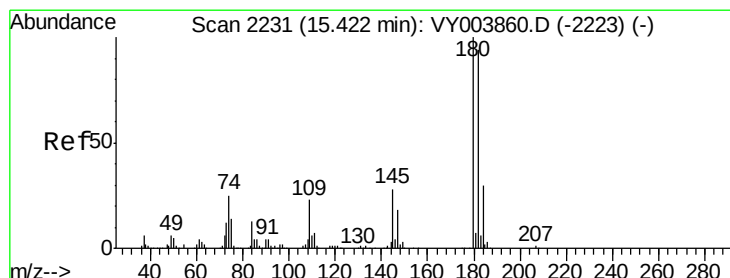
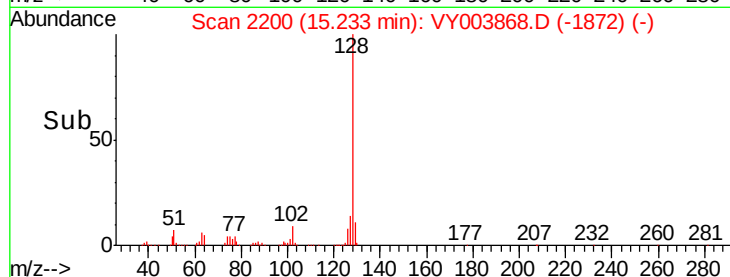
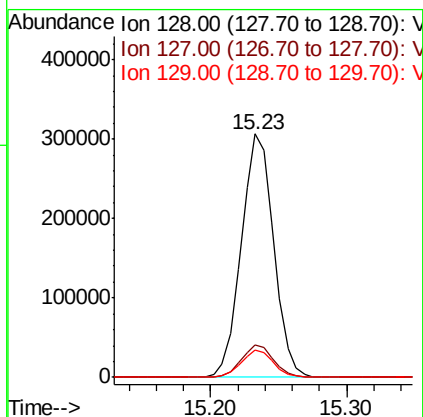
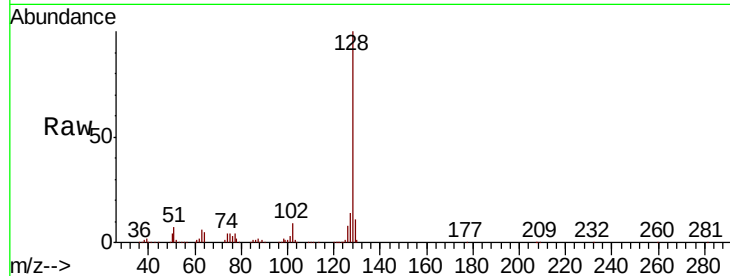




#71
Naphthalene
Concen: 26.148 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003868.D
Acq: 04 Jan 2021 12:28

Instrument :
MSVOA_Y
ClientSampleId :
BFB32

Tot Ion:128 Resp: 508320
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 11.0 8.9 13.3



#72
1,2,3-Trichlorobenzene
Concen: 26.698 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VY003868.D
Acq: 04 Jan 2021 12:28

Tgt Ion:180 Resp: 219600
Ion Ratio Lower Upper
180 100
182 95.2 74.6 111.8
145 30.6 23.3 34.9

