

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007887.D
 Acq On : 17 Mar 2022 20:13
 Operator : SY/MD
 Sample : N1875-13
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10D

Quant Time: Mar 18 08:57:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

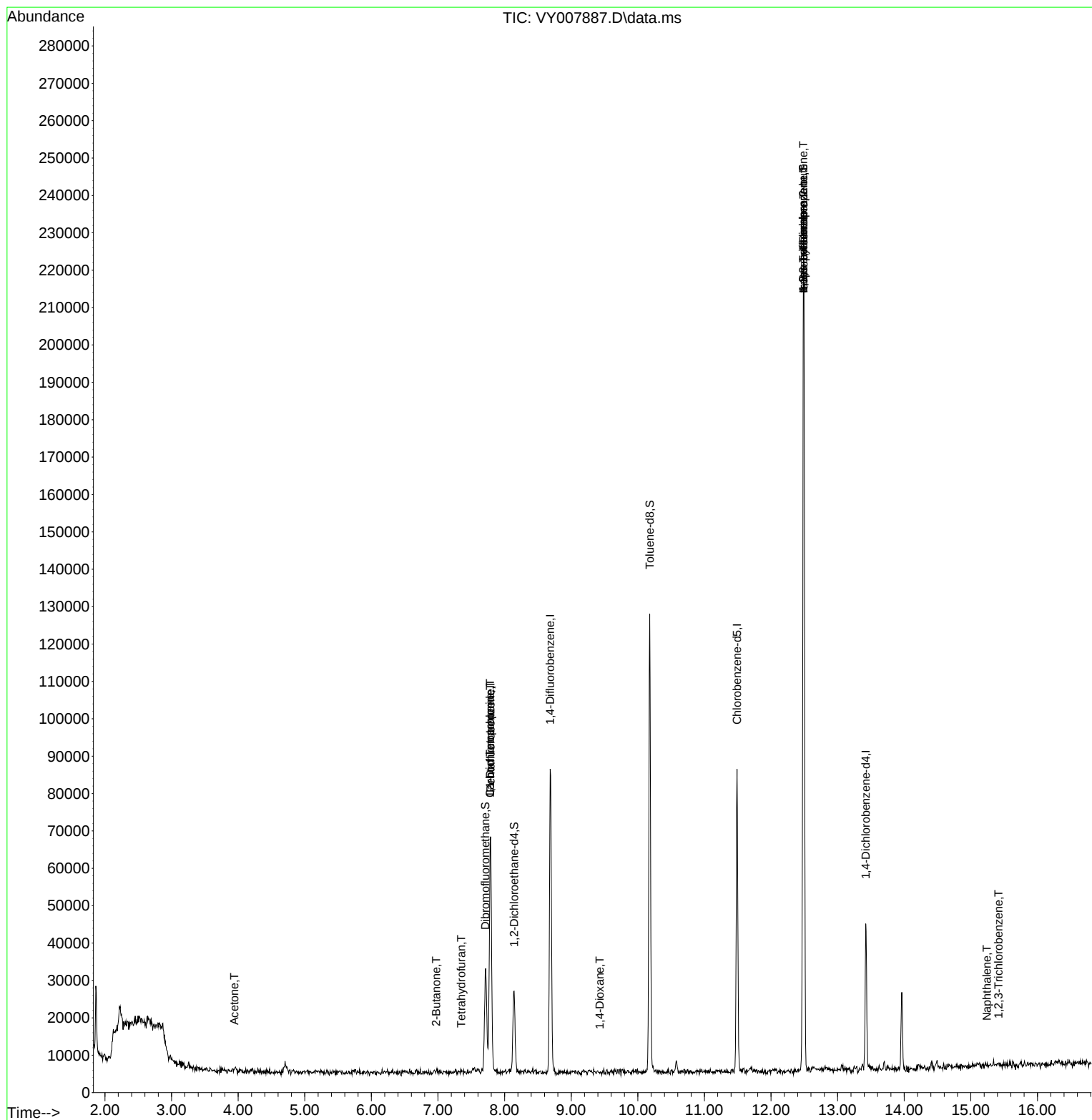
Internal Standards						
1) Pentafluorobenzene	7.789	168	49308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	72777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	44618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	9787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	17613	31.329	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	62.660%
35) Dibromofluoromethane	7.709	113	19833	38.804	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	77.600%
50) Toluene-d8	10.178	98	80926	52.781	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.560%
62) 4-Bromofluorobenzene	12.483	95	14932	20.356	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	40.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	202	Below Cal	#	43
3) Chloromethane	2.113	50	887	Below Cal	#	38
4) Vinyl Chloride	2.265	62	231	Below Cal	#	43
5) Bromomethane	2.662	94	772	Below Cal		98
16) Acetone	3.942	43	2087	13.993	ug/l	93
17) Carbon Disulfide	4.204	76	788	Below Cal	#	75
18) Methyl Acetate	4.472	43	180	Below Cal	#	56
20) Methylene Chloride	4.704	84	875	Below Cal	#	70
25) 2-Butanone	6.972	43	341	1.427	ug/l	# 54
29) Tetrahydrofuran	7.350	42	184	1.202	ug/l	# 50
31) Cyclohexane	7.783	56	1324	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	3831	5.054	ug/l	# 43
38) Carbon Tetrachloride	7.783	117	5193	6.411	ug/l	# 18
39) Methylcyclohexane	9.142	83	19	Below Cal	#	34
49) 1,4-Dioxane	9.429	88	19	3.998	ug/l	# 20
73) Isopropylbenzene	12.489	105	870	1.010	ug/l	75
76) 1,2,3-Trichloropropane	12.483	75	9428	67.585	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	9428	141.957	ug/l	# 11
95) Naphthalene	15.239	128	747	1.532	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.415	180	261	1.354	ug/l	# 57

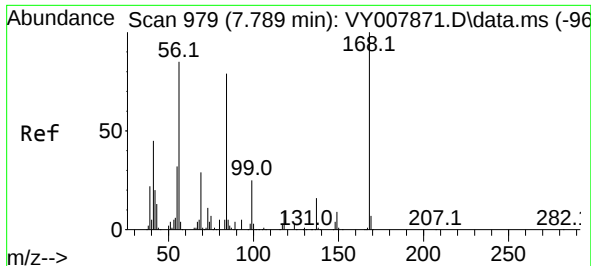
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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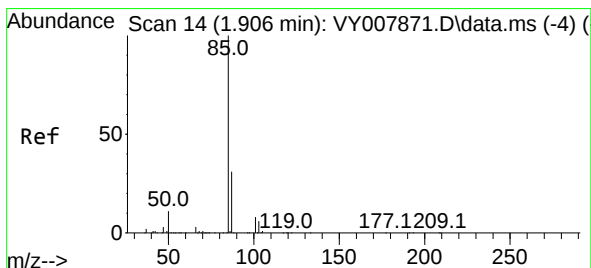
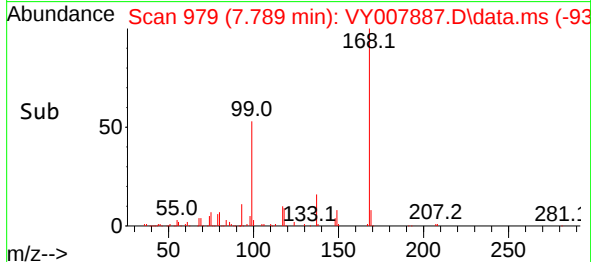
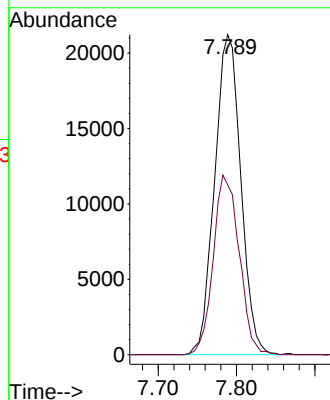
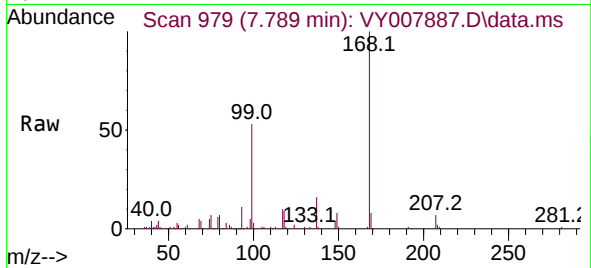




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

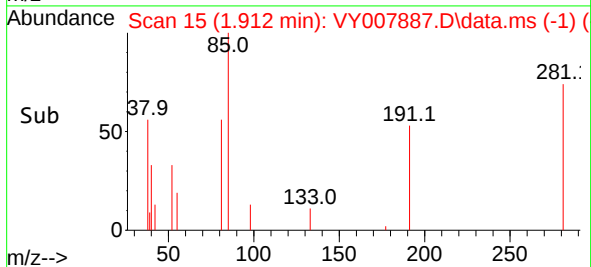
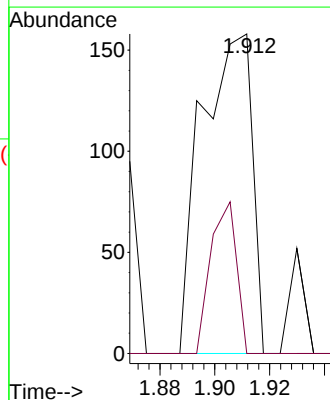
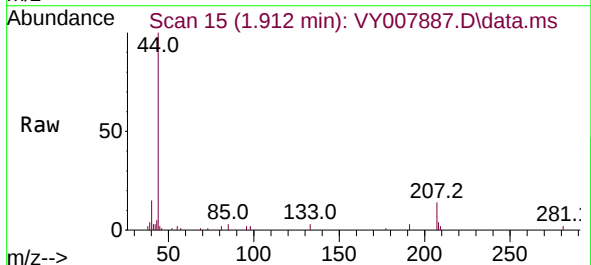
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

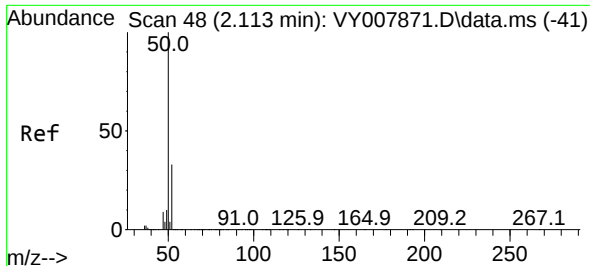
Tgt Ion:168 Resp: 49308
Ion Ratio Lower Upper
168 100
99 53.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

Tgt Ion: 85 Resp: 202
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

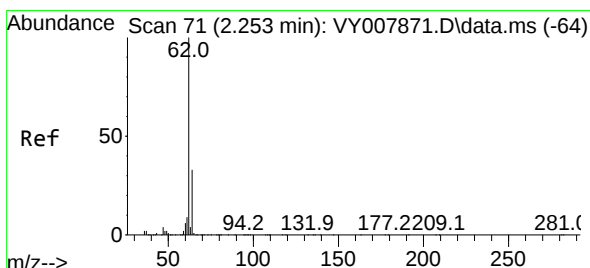
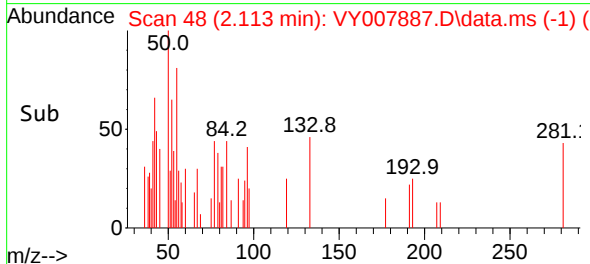
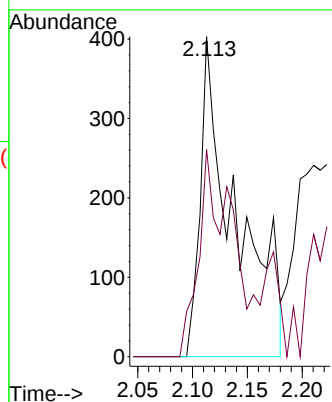
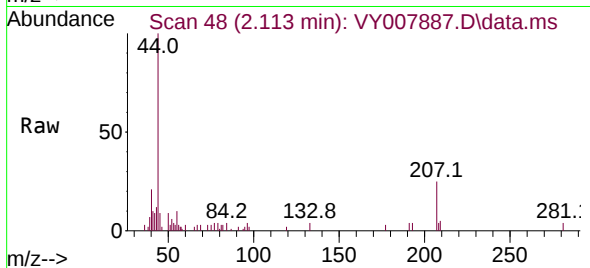




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

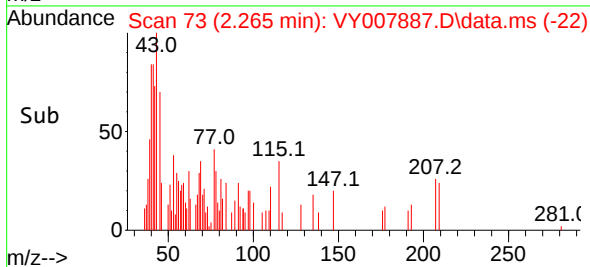
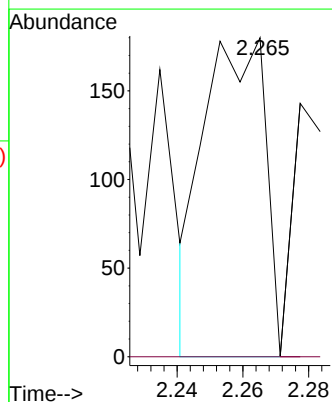
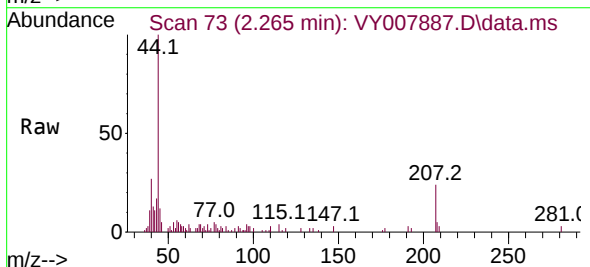
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

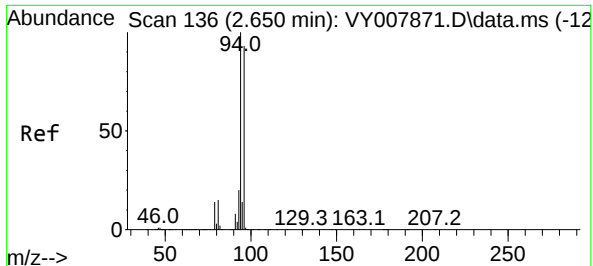
Tgt Ion: 50 Resp: 887
Ion Ratio Lower Upper
50 100
52 64.8 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.265 min Scan# 73
Delta R.T. 0.012 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

Tgt Ion: 62 Resp: 231
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

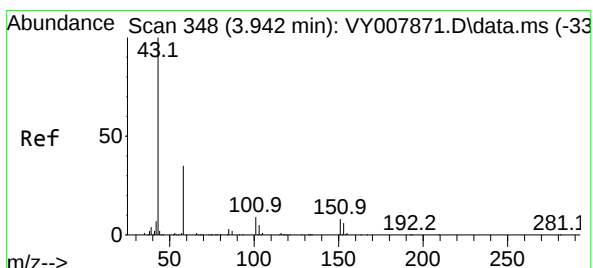
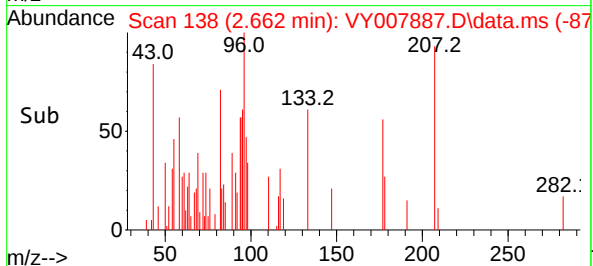
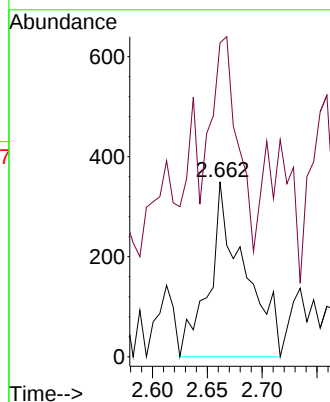
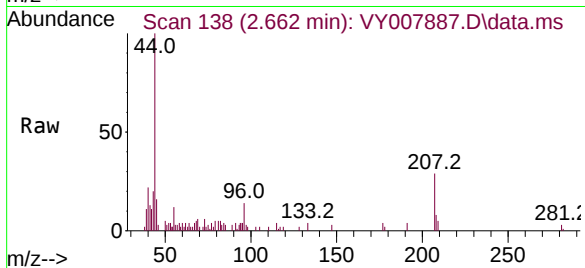




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

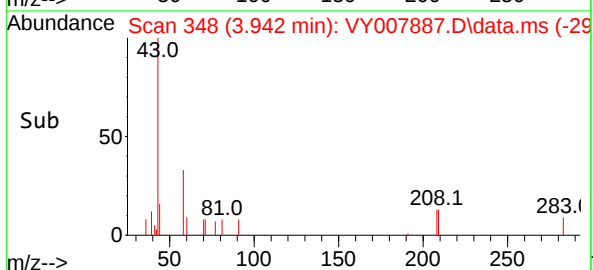
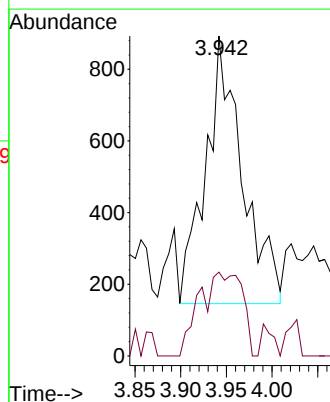
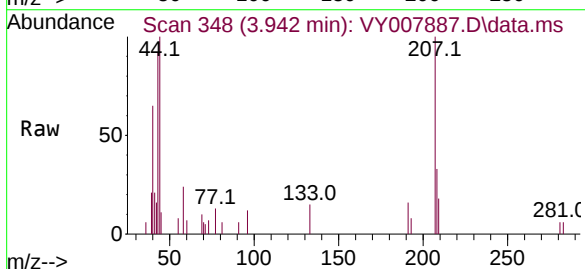
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

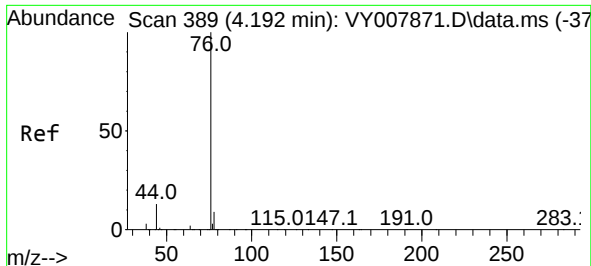
Tgt Ion: 94 Resp: 772
Ion Ratio Lower Upper
94 100
96 93.7 73.5 110.3



#16
Acetone
Concen: 13.993 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

Tgt Ion: 43 Resp: 2087
Ion Ratio Lower Upper
43 100
58 31.3 22.0 33.0

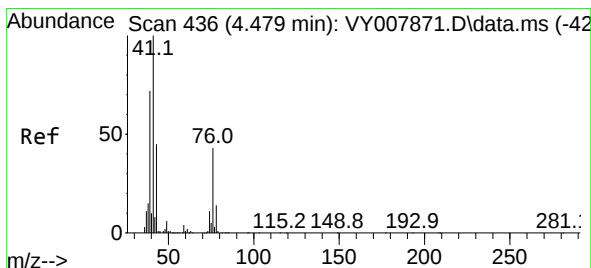
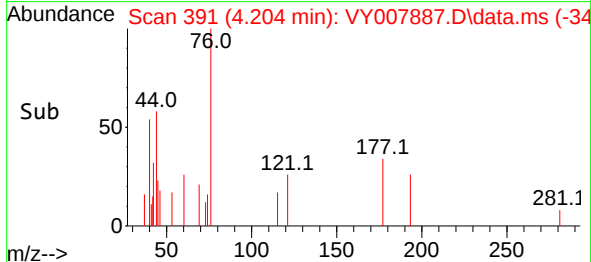
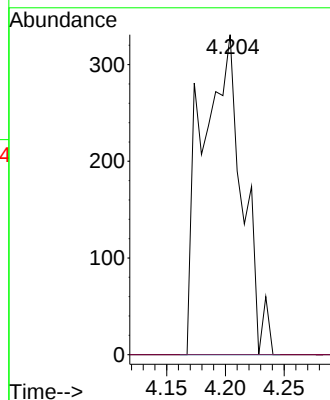
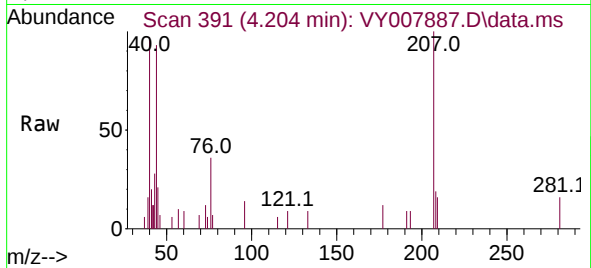




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

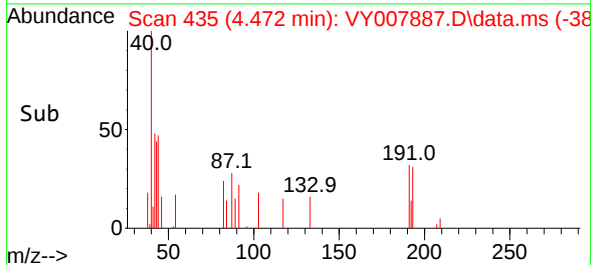
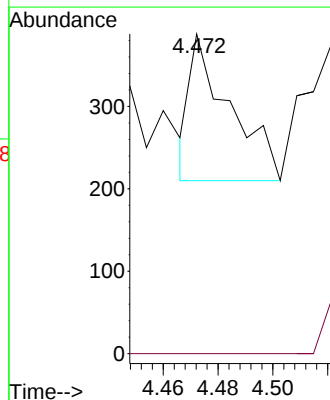
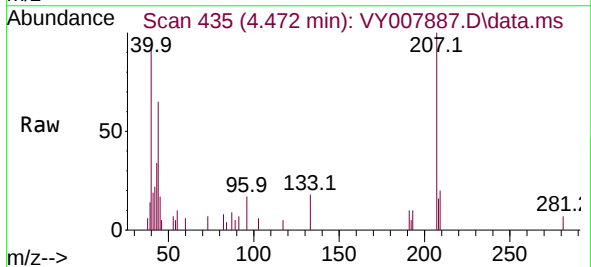
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

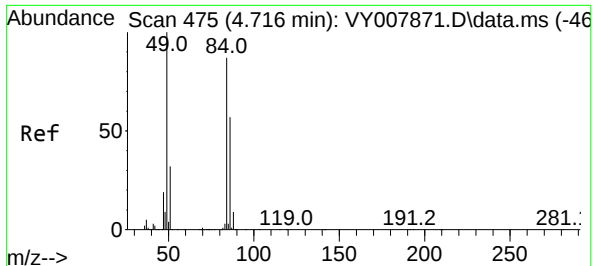
Tgt Ion: 76 Resp: 788
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

Tgt Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

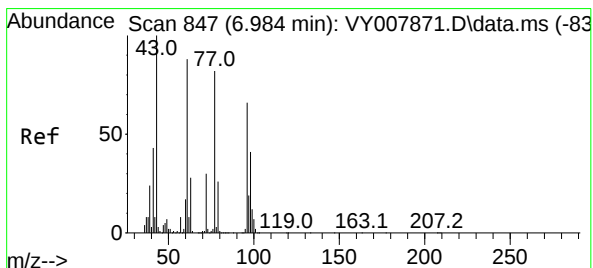
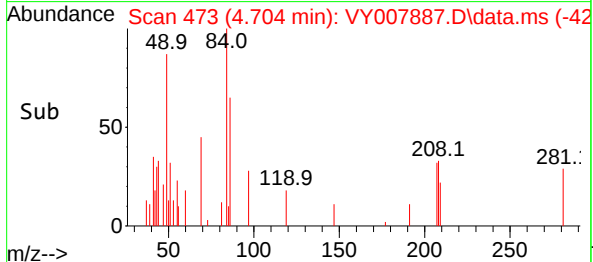
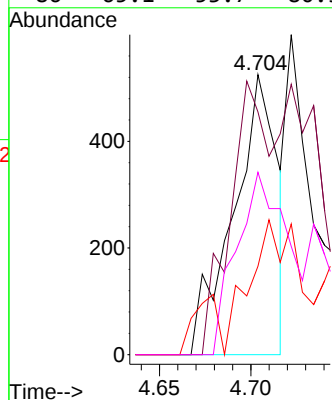
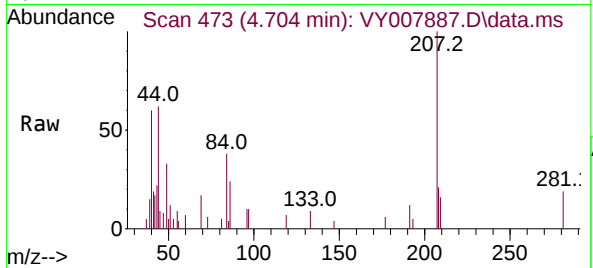




#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

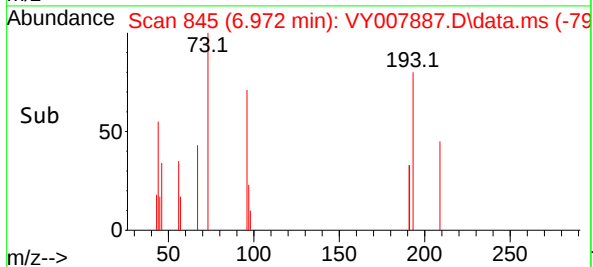
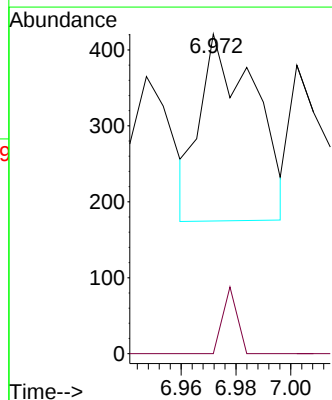
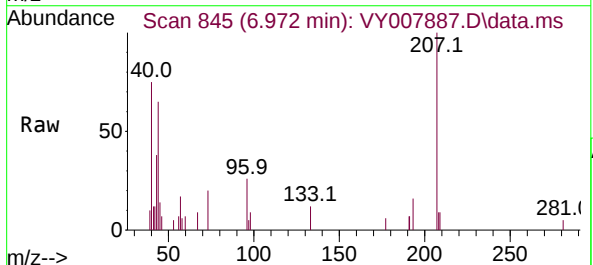
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

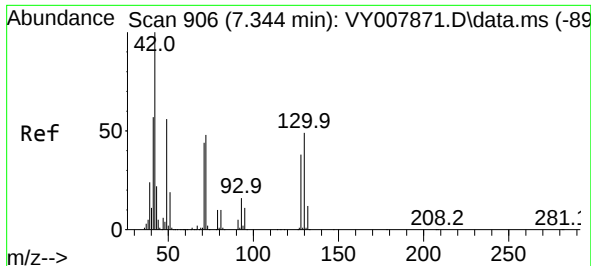
Tgt Ion: 84 Resp: 875
Ion Ratio Lower Upper
84 100
49 86.7 114.4 171.6#
51 31.6 35.3 52.9#
86 65.1 53.7 80.5



#25
2-Butanone
Concen: 1.427 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.013 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

Tgt Ion: 43 Resp: 341
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





#29

Tetrahydrofuran

Concen: 1.202 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY007887.D

Acq: 17 Mar 2022 20:13

Instrument :

MSVOA_Y

ClientSampleId :

SB-10D

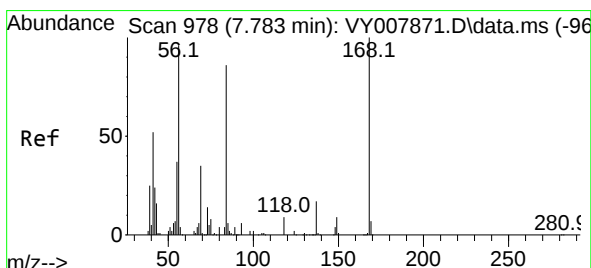
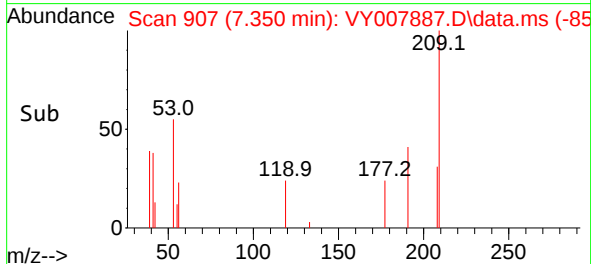
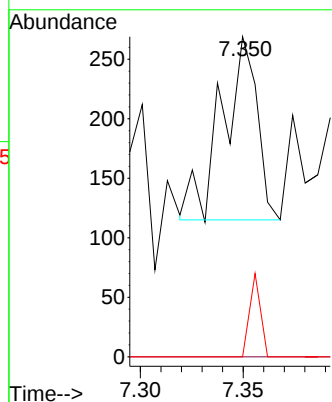
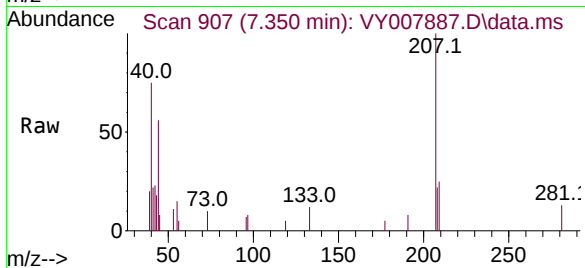
Tgt Ion: 42 Resp: 184

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 14.1 29.0 43.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY007887.D

Acq: 17 Mar 2022 20:13

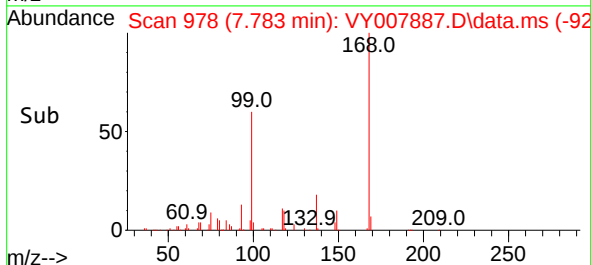
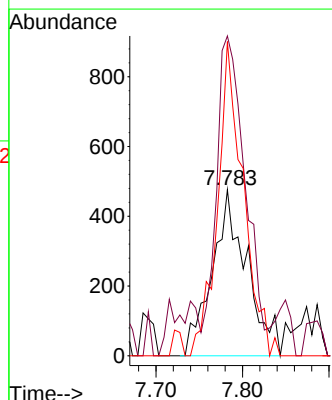
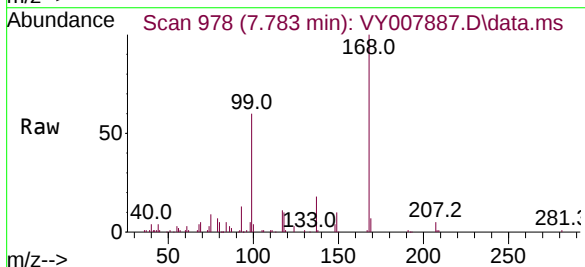
Tgt Ion: 56 Resp: 1324

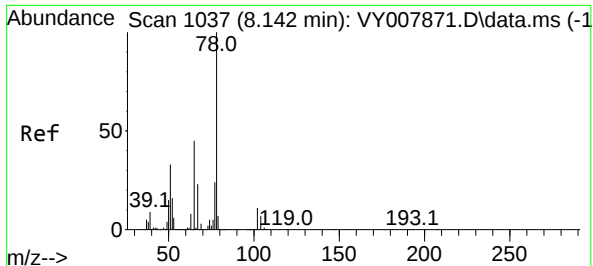
Ion Ratio Lower Upper

56 100

69 168.1 26.7 40.1#

84 189.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 31.329 ug/l

RT: 8.142 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY007887.D

Acq: 17 Mar 2022 20:13

Instrument :

MSVOA_Y

ClientSampleId :

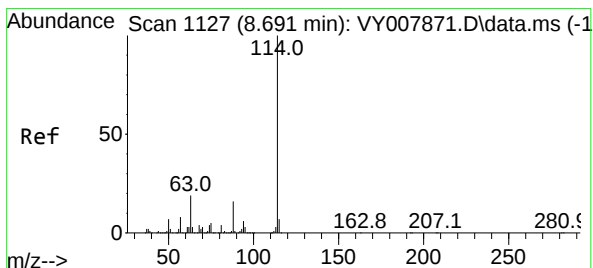
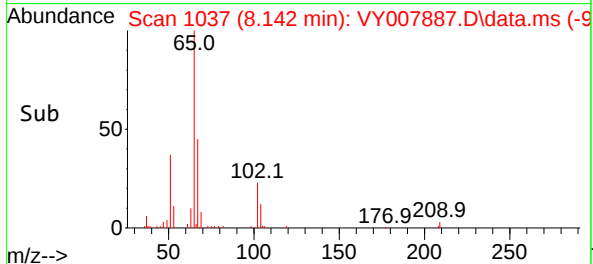
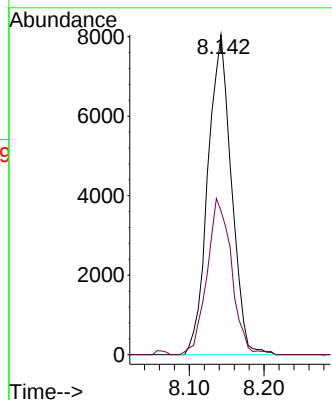
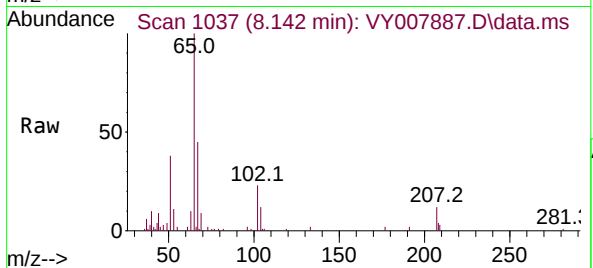
SB-10D

Tgt Ion: 65 Resp: 17613

Ion Ratio Lower Upper

65 100

67 51.1 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.007 min

Lab File: VY007887.D

Acq: 17 Mar 2022 20:13

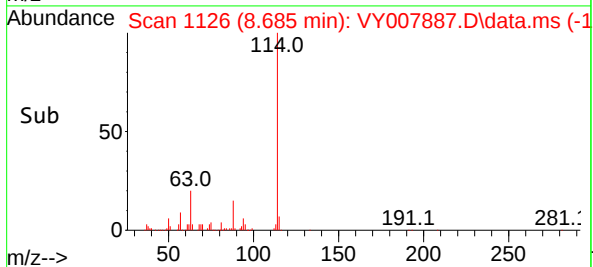
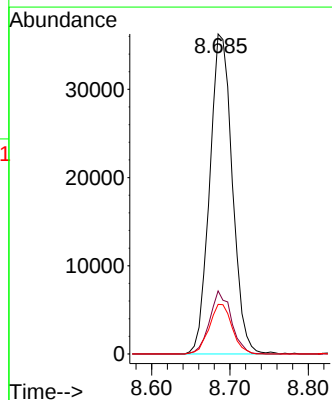
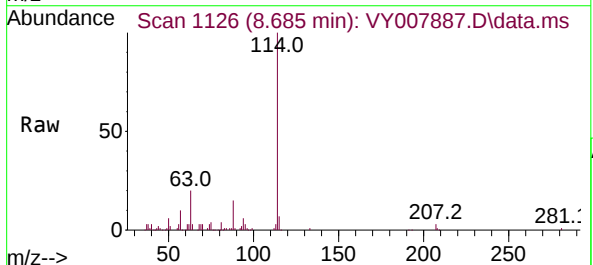
Tgt Ion: 114 Resp: 72777

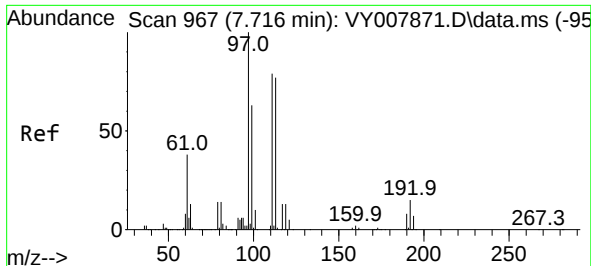
Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 15.5 0.0 31.8

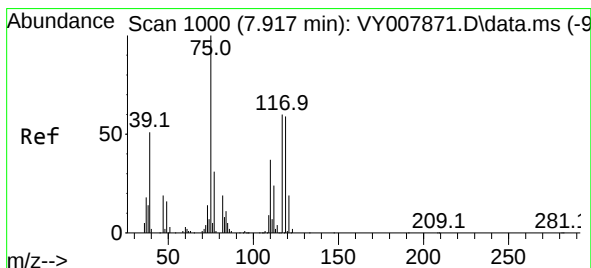
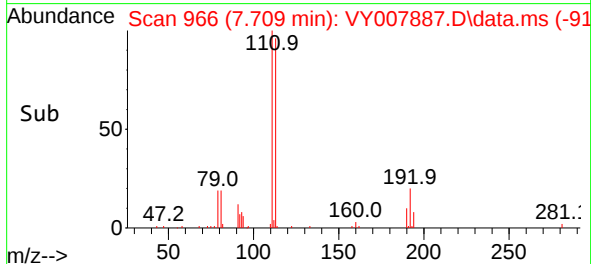
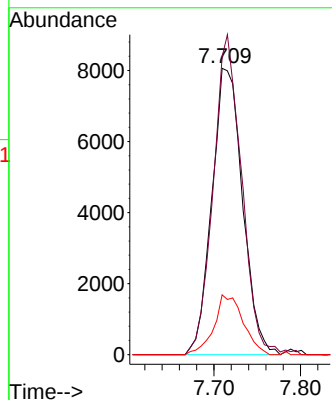
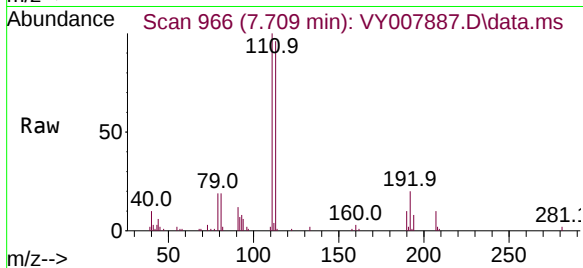




#35
Dibromofluoromethane
Concen: 38.804 ug/l
RT: 7.709 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

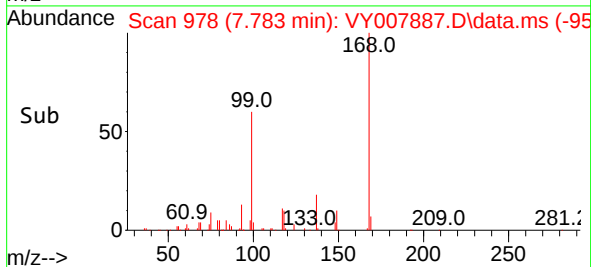
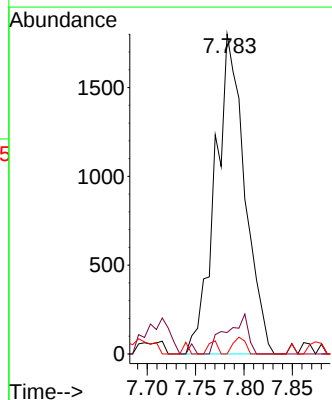
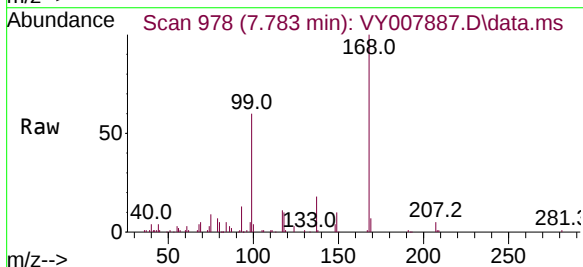
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

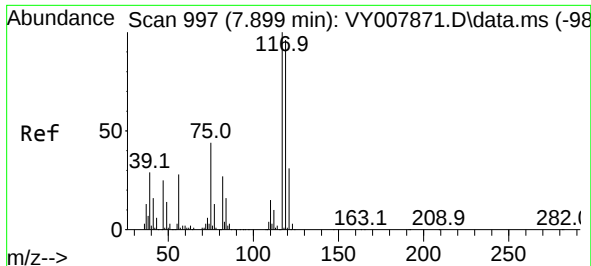
Tgt Ion:113 Resp: 19833
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 19.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.054 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.135 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

Tgt Ion: 75 Resp: 3831
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 1.3 24.4 36.6#

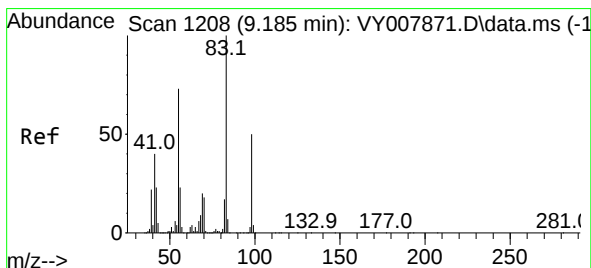
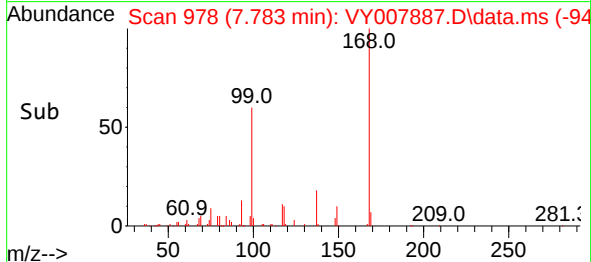
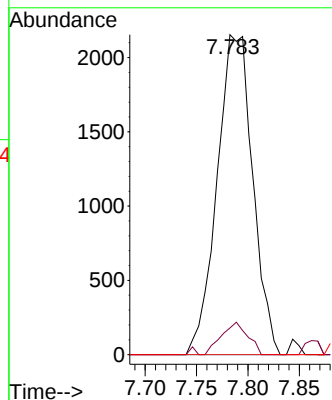
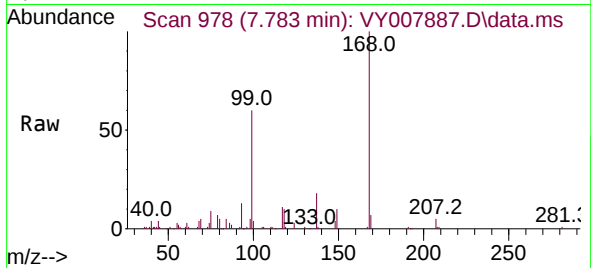




#38
Carbon Tetrachloride
Concen: 6.411 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

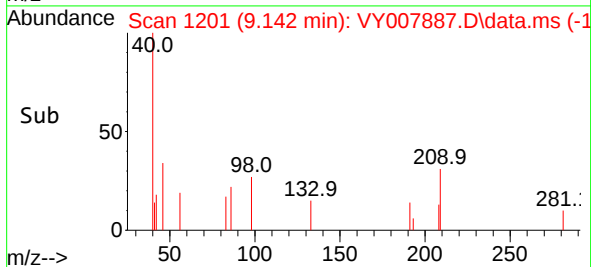
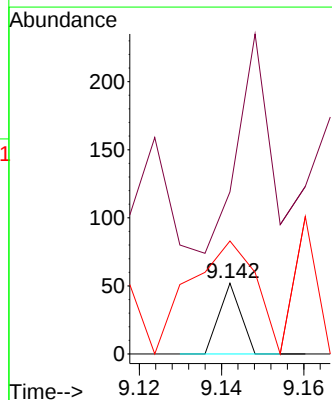
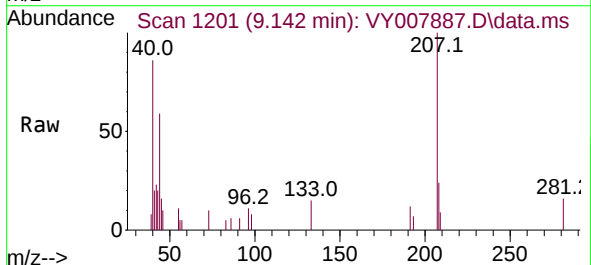
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

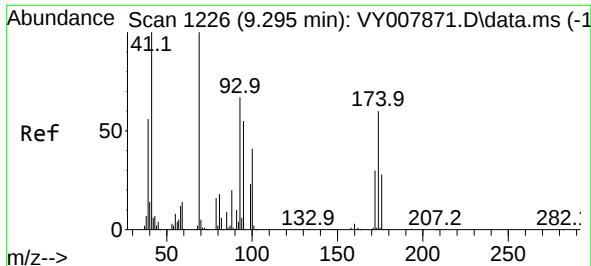
Tgt Ion:117 Resp: 5193
Ion Ratio Lower Upper
117 100
119 8.4 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.142 min Scan# 1201
Delta R.T. -0.043 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

Tgt Ion: 83 Resp: 19
Ion Ratio Lower Upper
83 100
55 75.0 66.5 99.7
98 159.6 37.9 56.9#





#49

1,4-Dioxane

Concen: 3.998 ug/l

RT: 9.429 min Scan# 1226

Delta R.T. 0.134 min

Lab File: VY007887.D

Acq: 17 Mar 2022 20:13

Instrument :

MSVOA_Y

ClientSampleId :

SB-10D

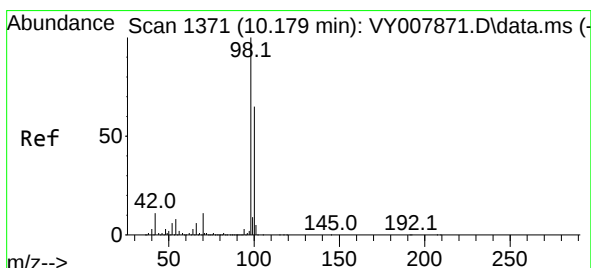
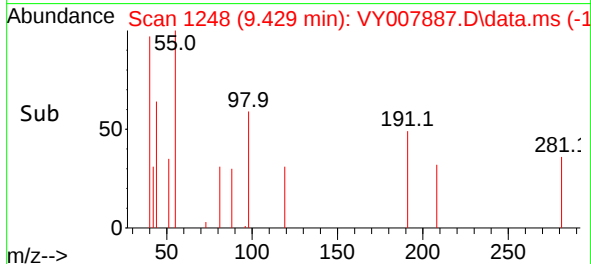
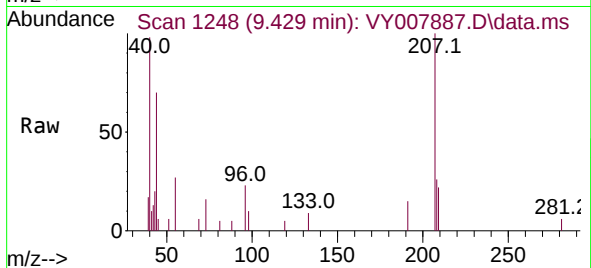
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 32.8 49.2#

58 0.0 59.8 89.6#



#50

Toluene-d8

Concen: 52.781 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY007887.D

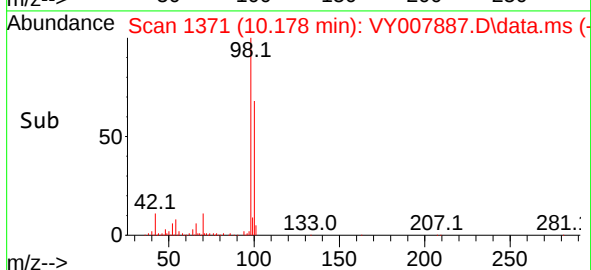
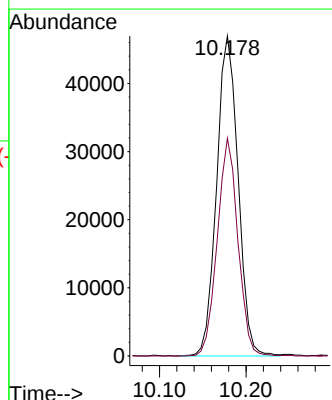
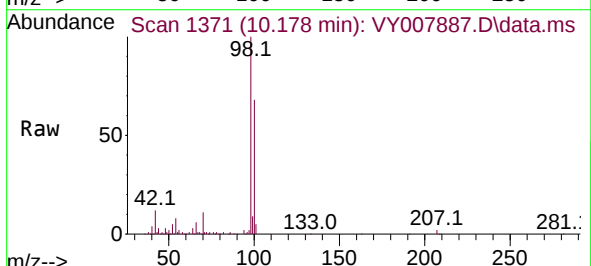
Acq: 17 Mar 2022 20:13

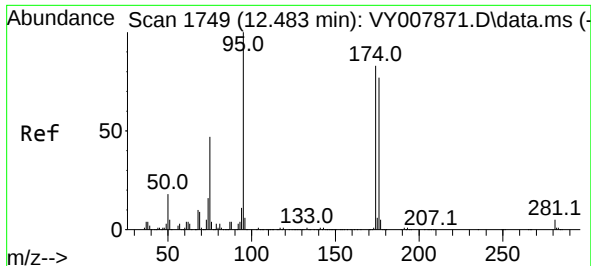
Tgt Ion: 98 Resp: 80926

Ion Ratio Lower Upper

98 100

100 65.3 50.2 75.2

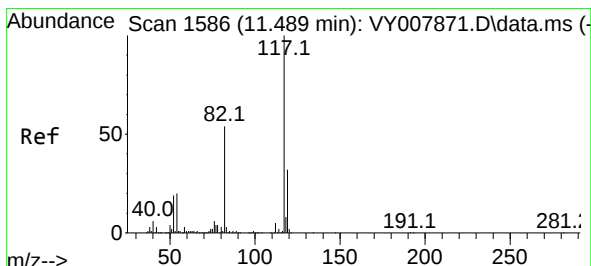
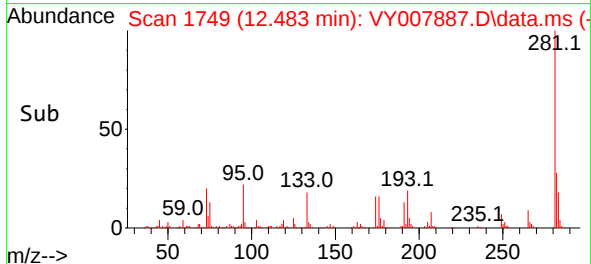
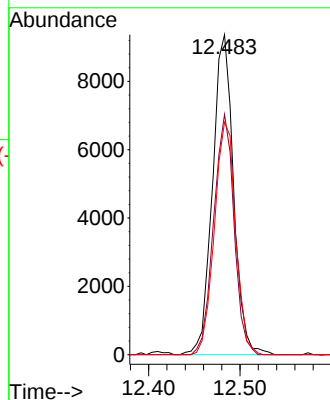
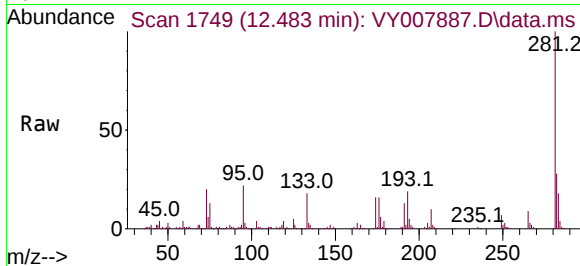




#62
4-Bromofluorobenzene
Concen: 20.356 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

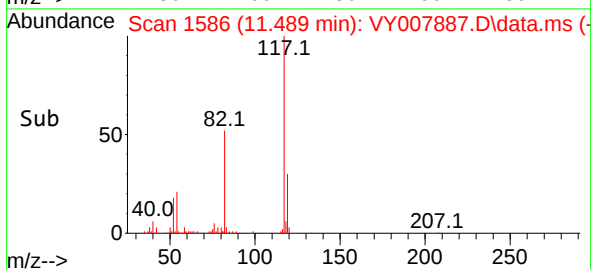
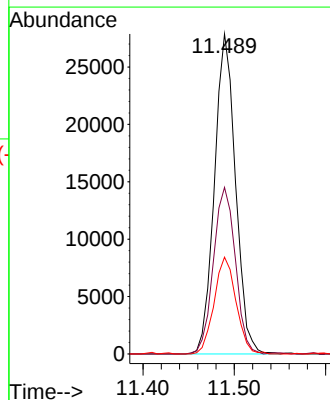
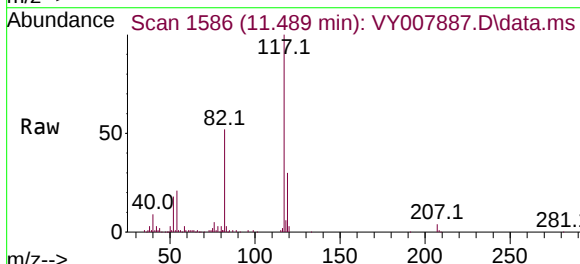
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

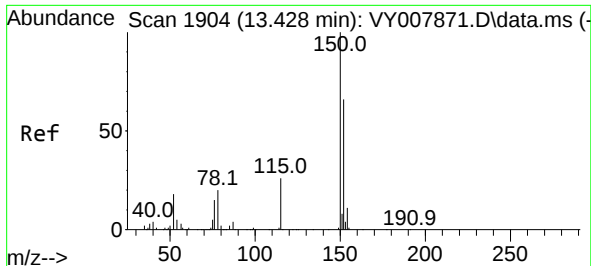
Tgt Ion: 95 Resp: 14932
Ion Ratio Lower Upper
95 100
174 72.9 0.0 177.0
176 73.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

Tgt Ion: 117 Resp: 44618
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.4
119 30.2 25.4 38.0

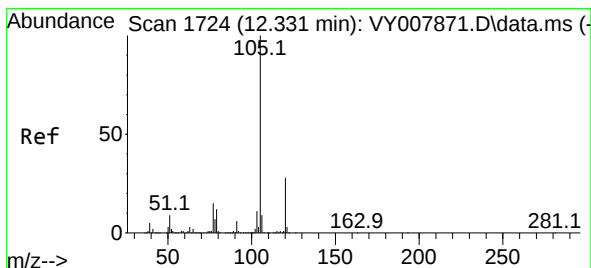
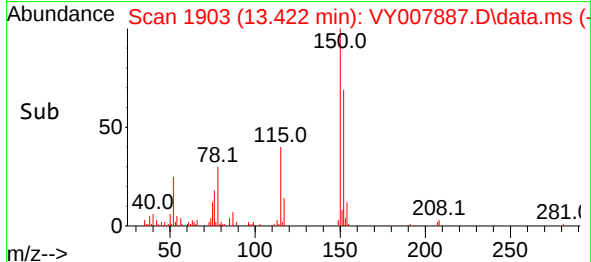
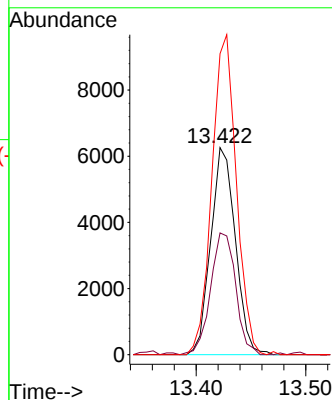
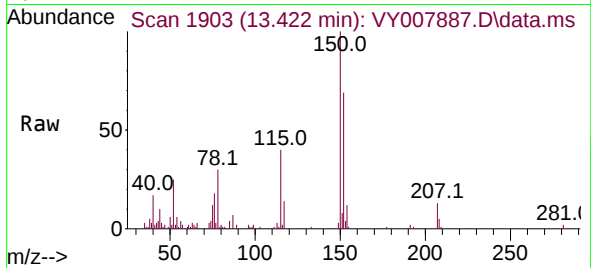




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.007 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

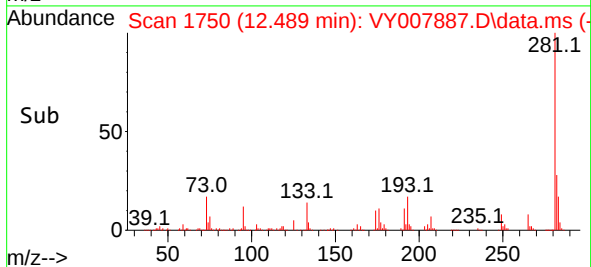
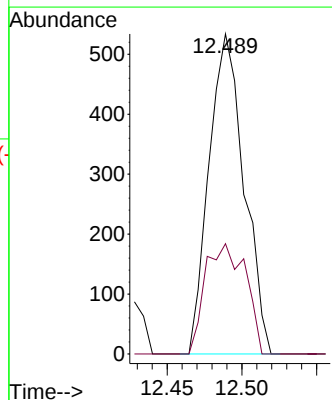
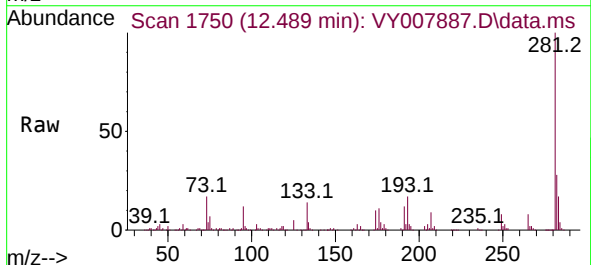
Instrument :
MSVOA_Y
ClientSampleId :
SB-10D

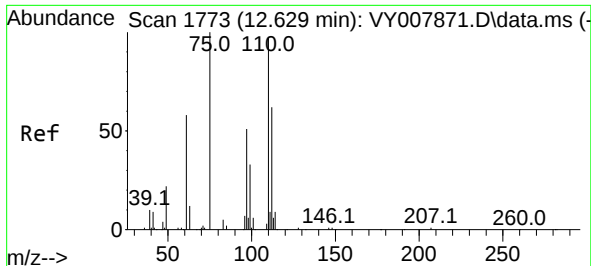
Tgt Ion:152 Resp: 9787
Ion Ratio Lower Upper
152 100
115 59.9 28.2 84.7
150 153.0 0.0 347.6



#73
Isopropylbenzene
Concen: 1.010 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.158 min
Lab File: VY007887.D
Acq: 17 Mar 2022 20:13

Tgt Ion:105 Resp: 870
Ion Ratio Lower Upper
105 100
120 39.7 13.4 40.2

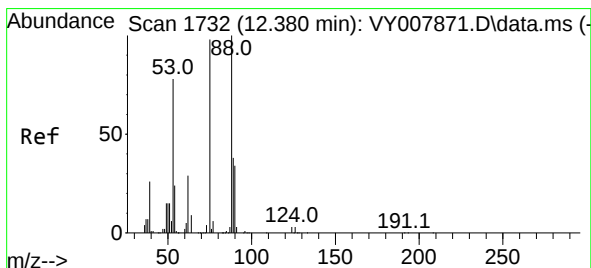
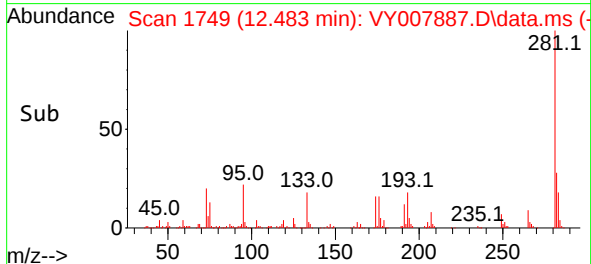
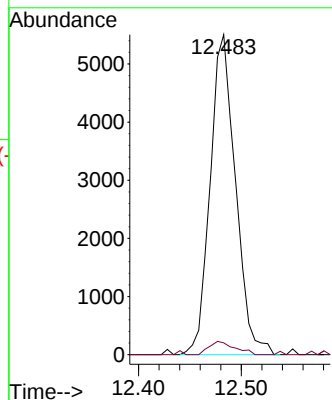
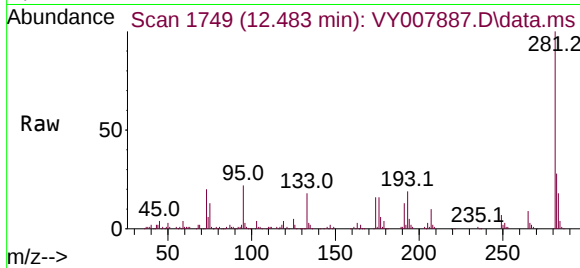




#76
 1,2,3-Trichloropropane
 Concen: 67.585 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY007887.D
 Acq: 17 Mar 2022 20:13

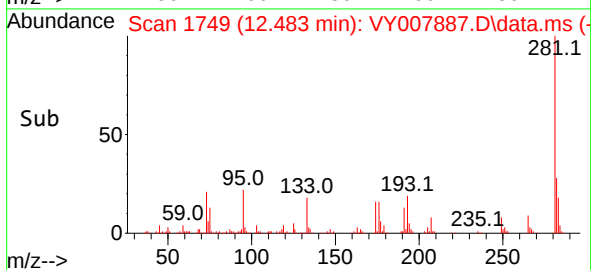
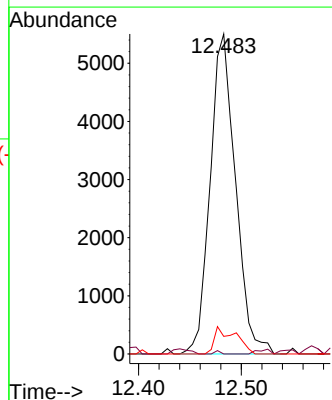
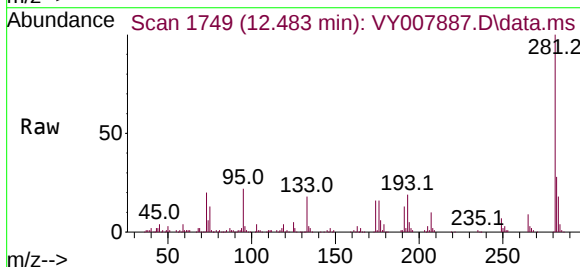
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10D

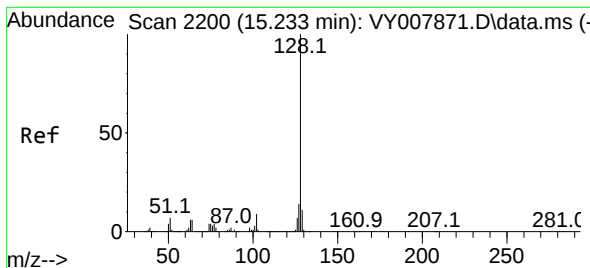
Tgt Ion: 75 Resp: 9428
 Ion Ratio Lower Upper
 75 100
 77 4.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.957 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.103 min
 Lab File: VY007887.D
 Acq: 17 Mar 2022 20:13

Tgt Ion: 75 Resp: 9428
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.3 127.9#
 89 7.2 37.0 55.4#





#95

Naphthalene

Concen: 1.532 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY007887.D

Acq: 17 Mar 2022 20:13

Instrument :

MSVOA_Y

ClientSampleId :

SB-10D

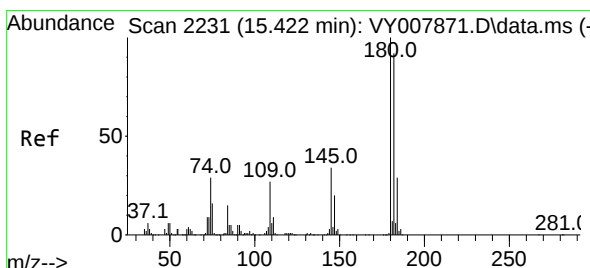
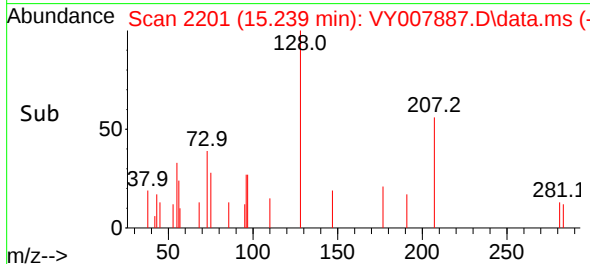
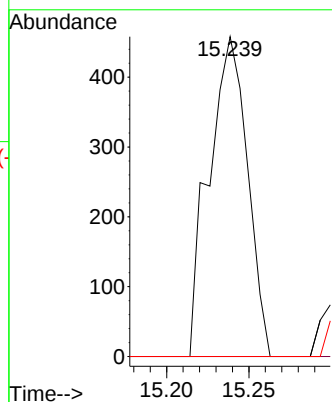
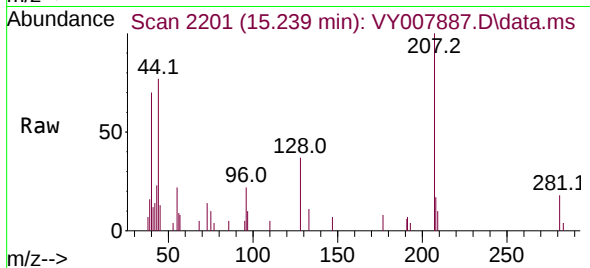
Tgt Ion:128 Resp: 747

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#



#96

1,2,3-Trichlorobenzene

Concen: 1.354 ug/l

RT: 15.415 min Scan# 2230

Delta R.T. -0.013 min

Lab File: VY007887.D

Acq: 17 Mar 2022 20:13

Tgt Ion:180 Resp: 261

Ion Ratio Lower Upper

180 100

182 51.0 47.3 141.9

145 10.0 15.3 45.9#

