

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007886.D
 Acq On : 17 Mar 2022 19:50
 Operator : SY/MD
 Sample : N1875-07
 Misc : 5.30g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10A

Quant Time: Mar 18 08:57:09 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

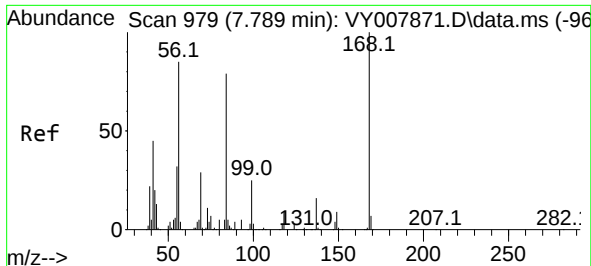
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	318331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	567462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	517015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	224917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	186167	51.292	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.580%			
35) Dibromofluoromethane	7.716	113	174108	43.688	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.380%			
50) Toluene-d8	10.179	98	670578	56.495	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.000%			
62) 4-Bromofluorobenzene	12.477	95	237554	41.534	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	556	Below Cal		95
3) Chloromethane	2.113	50	1614	Below Cal	#	89
4) Vinyl Chloride	2.247	62	133	Below Cal	#	43
5) Bromomethane	2.656	94	688	Below Cal	#	41
11) Tert butyl alcohol	4.948	59	2238	5.293 ug/l	#	77
16) Acetone	3.942	43	12995	13.496 ug/l	#	88
17) Carbon Disulfide	4.198	76	2521	Below Cal		100
18) Methyl Acetate	4.466	43	1473	Below Cal		95
20) Methylene Chloride	4.716	84	24150	2.032 ug/l	#	87
25) 2-Butanone	6.978	43	1747	1.133 ug/l	#	82
29) Tetrahydrofuran	7.338	42	1844	1.866 ug/l	#	58
31) Cyclohexane	7.795	56	7318	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	25294	4.279 ug/l	#	50
38) Carbon Tetrachloride	7.789	117	31987	5.064 ug/l	#	16
39) Methylcyclohexane	9.179	83	100	Below Cal	#	59
49) 1,4-Dioxane	9.331	88	58	1.565 ug/l	#	1
76) 1,2,3-Trichloropropane	12.477	75	126695	39.520 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	126695	83.009 ug/l	#	9

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

Quant Time: Mar 18 08:57:09 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

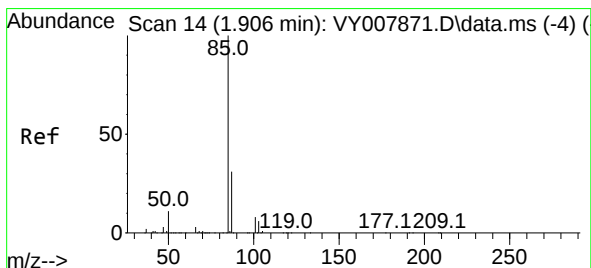
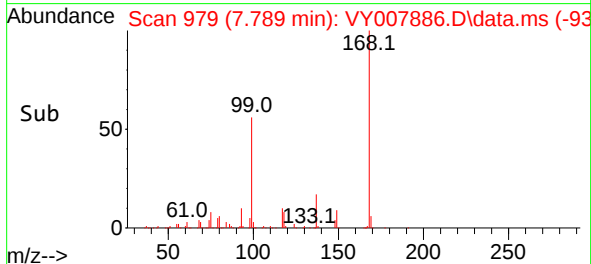
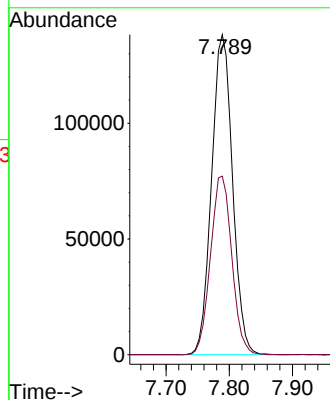
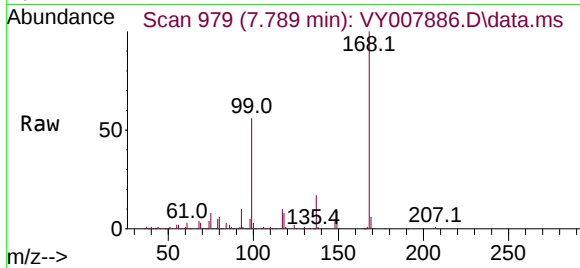




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

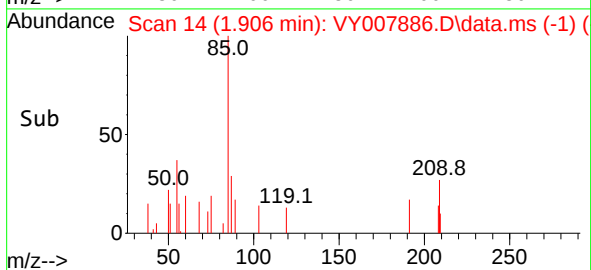
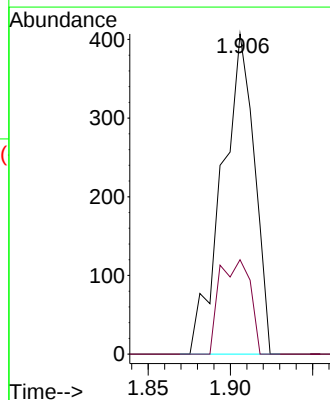
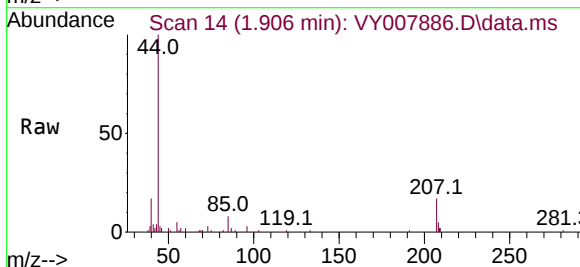
Instrument :
MSVOA_Y
ClientSampleId :
SB-10A

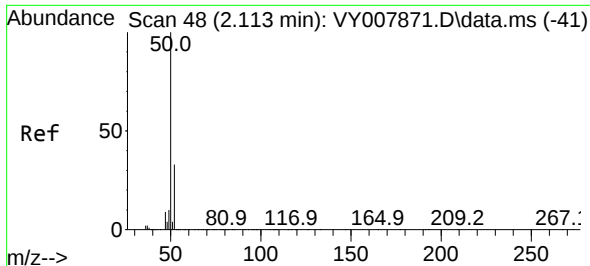
Tgt Ion:168 Resp: 318331
Ion Ratio Lower Upper
168 100
99 55.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

Tgt Ion: 85 Resp: 556
Ion Ratio Lower Upper
85 100
87 29.5 16.1 48.2

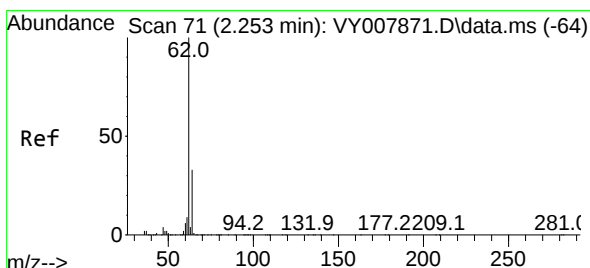
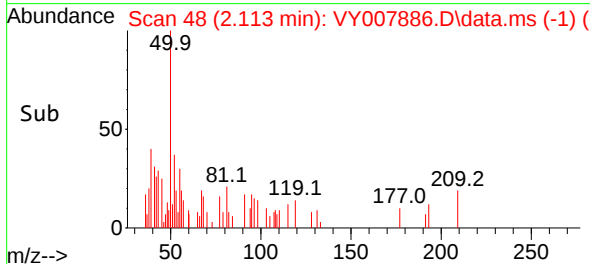
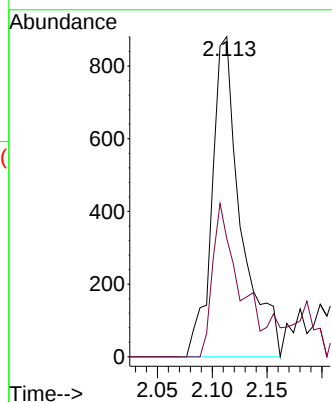
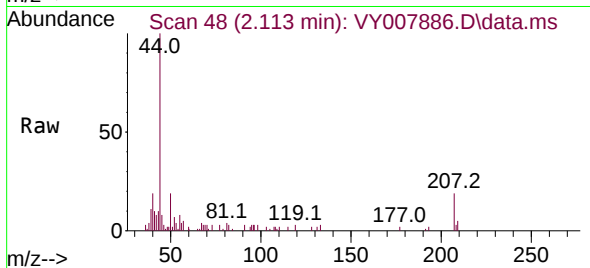




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

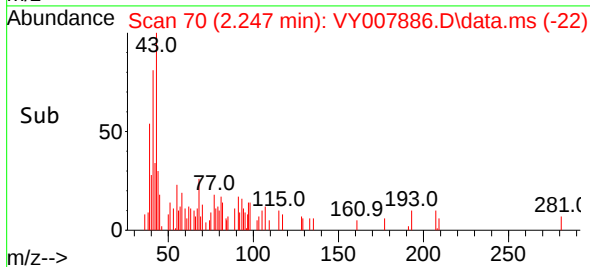
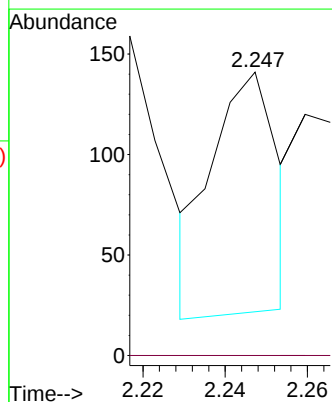
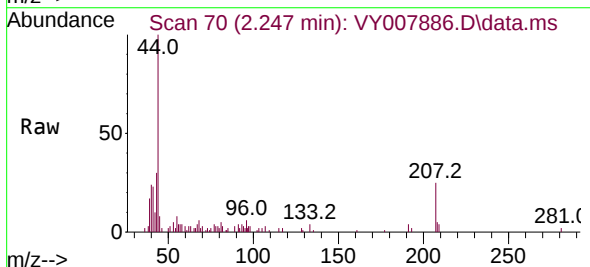
Instrument :
MSVOA_Y
ClientSampleId :
SB-10A

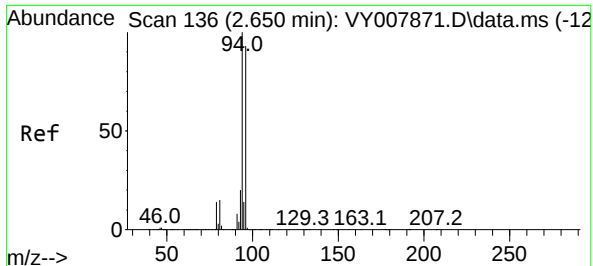
Tgt Ion: 50 Resp: 1614
Ion Ratio Lower Upper
50 100
52 37.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

Tgt Ion: 62 Resp: 133
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

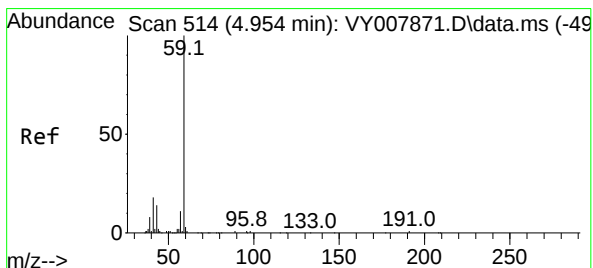
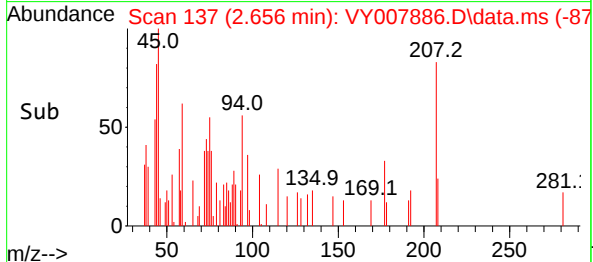
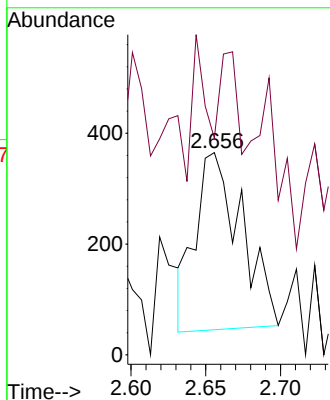
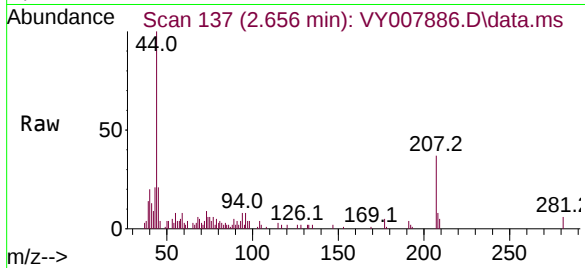




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

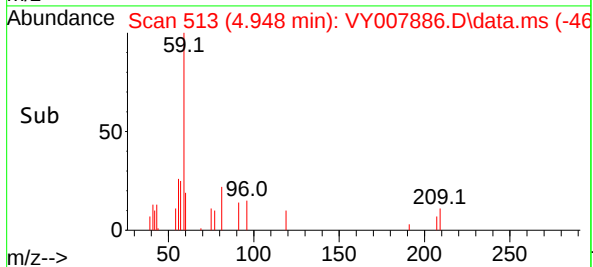
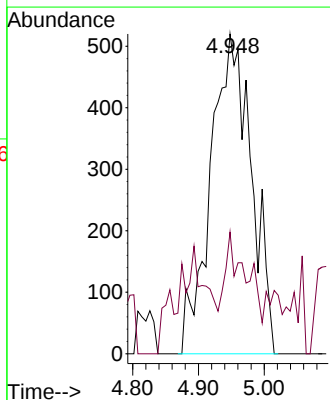
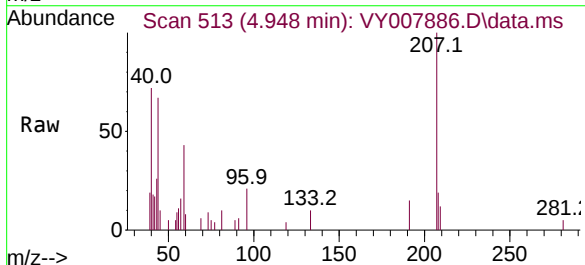
Instrument :
MSVOA_Y
ClientSampleId :
SB-10A

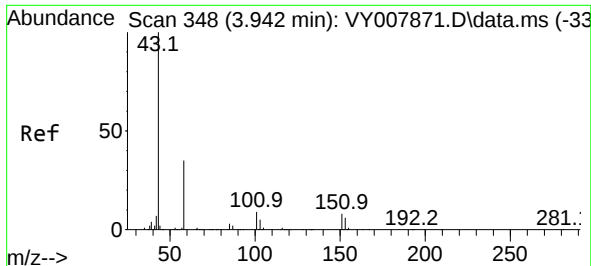
Tgt Ion: 94 Resp: 688
Ion Ratio Lower Upper
94 100
96 35.9 73.5 110.3#



#11
Tert butyl alcohol
Concen: 5.293 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

Tgt Ion: 59 Resp: 2238
Ion Ratio Lower Upper
59 100
57 16.0 6.4 9.6#





#16

Acetone

Concen: 13.496 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY007886.D

Acq: 17 Mar 2022 19:50

Instrument :

MSVOA_Y

ClientSampleId :

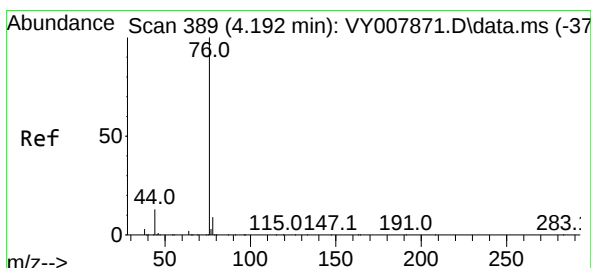
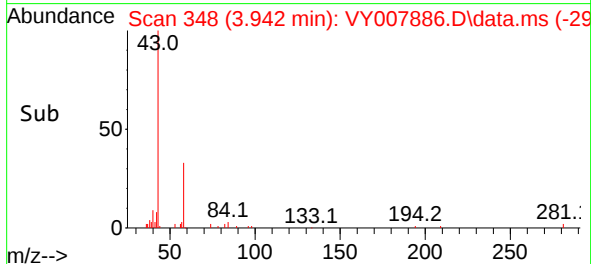
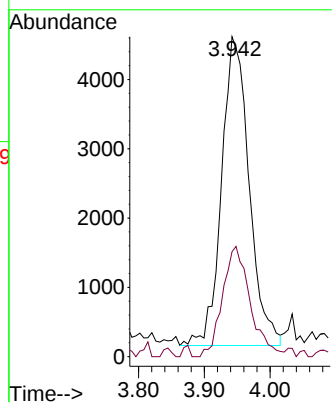
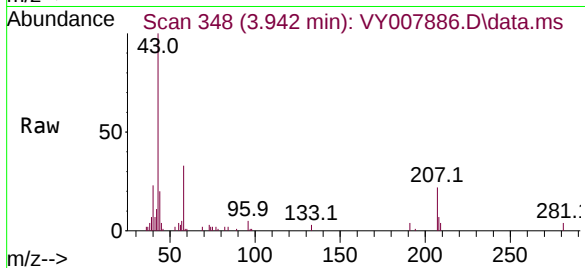
SB-10A

Tgt Ion: 43 Resp: 12995

Ion Ratio Lower Upper

43 100

58 34.0 22.0 33.0#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.198 min Scan# 390

Delta R.T. 0.006 min

Lab File: VY007886.D

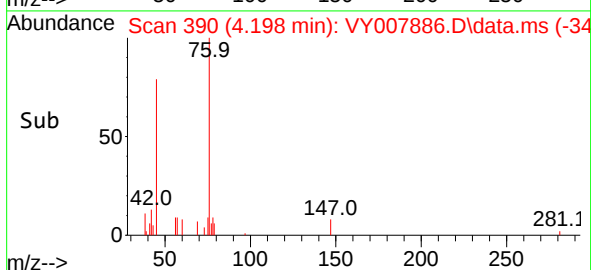
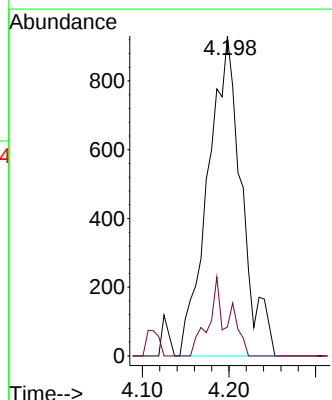
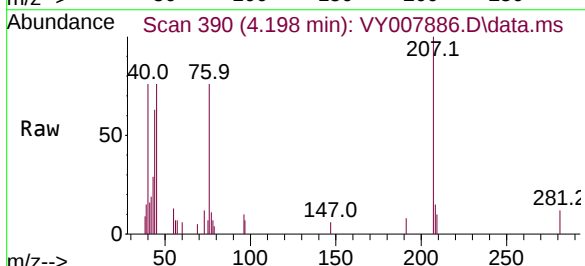
Acq: 17 Mar 2022 19:50

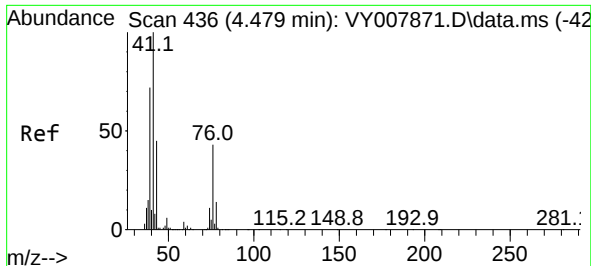
Tgt Ion: 76 Resp: 2521

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

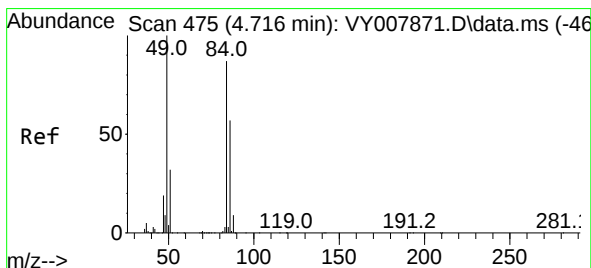
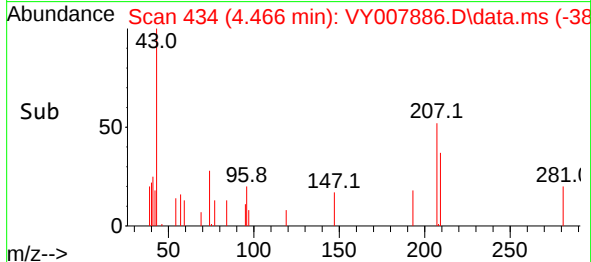
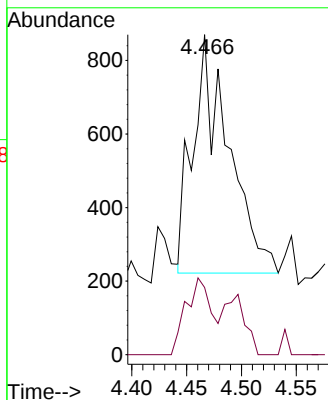
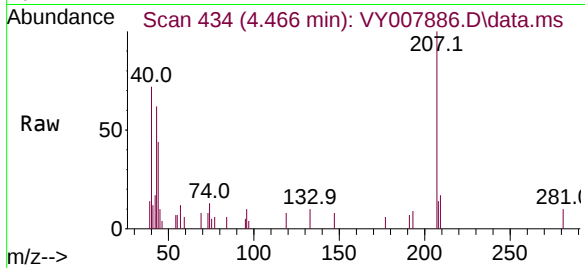




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

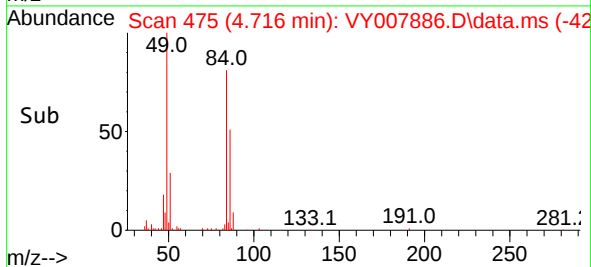
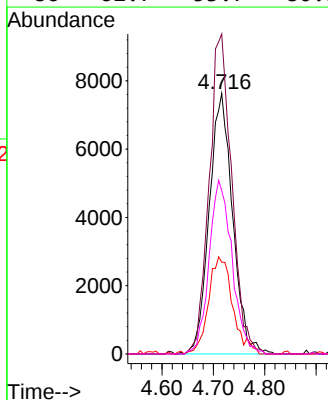
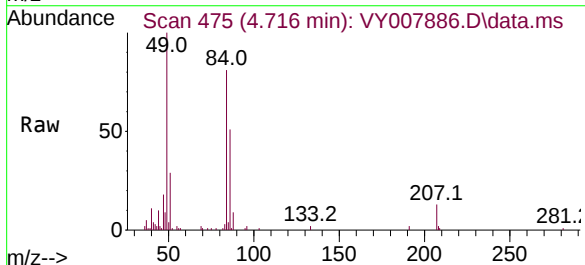
Instrument :
MSVOA_Y
ClientSampleId :
SB-10A

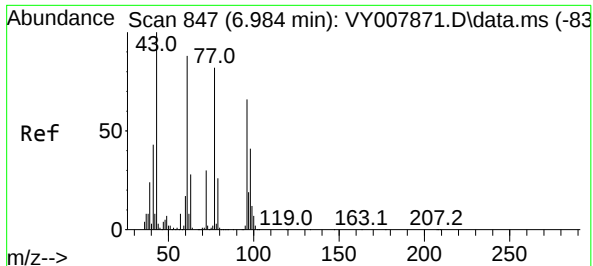
Tgt Ion: 43 Resp: 1473
Ion Ratio Lower Upper
43 100
74 22.9 16.6 24.8



#20
Methylene Chloride
Concen: 2.032 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

Tgt Ion: 84 Resp: 24150
Ion Ratio Lower Upper
84 100
49 122.8 114.4 171.6
51 35.2 35.3 52.9#
86 62.7 53.7 80.5





#25

2-Butanone

Concen: 1.133 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY007886.D

Acq: 17 Mar 2022 19:50

Instrument :

MSVOA_Y

ClientSampleId :

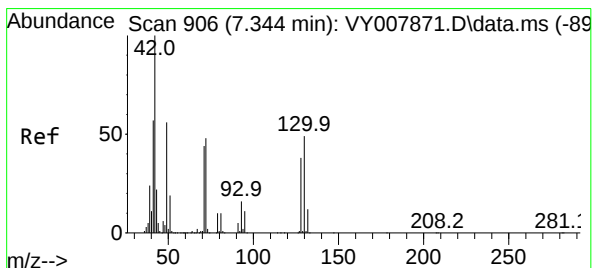
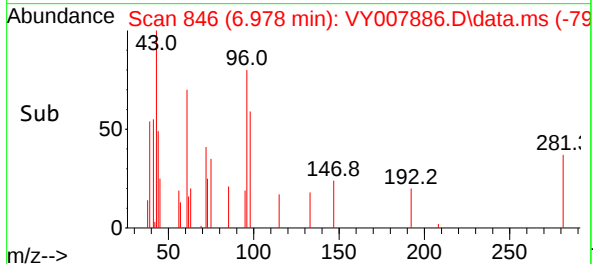
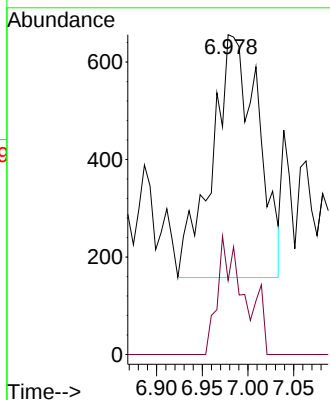
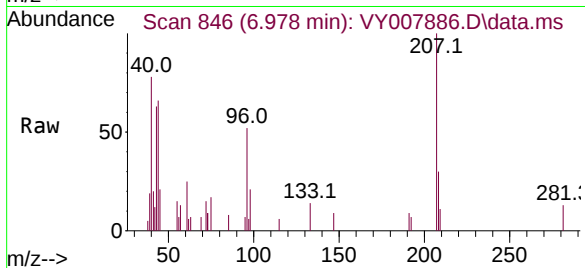
SB-10A

Tgt Ion: 43 Resp: 1747

Ion Ratio Lower Upper

43 100

72 30.5 17.7 26.5#



#29

Tetrahydrofuran

Concen: 1.866 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY007886.D

Acq: 17 Mar 2022 19:50

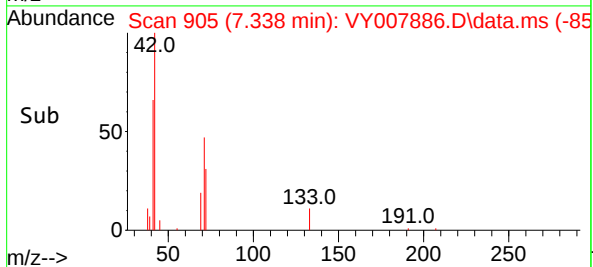
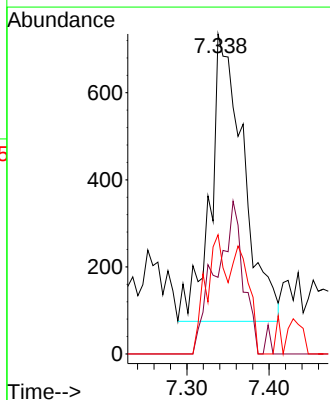
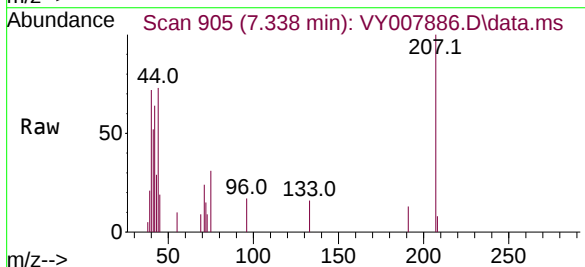
Tgt Ion: 42 Resp: 1844

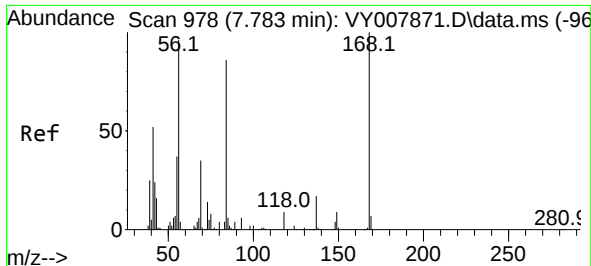
Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 24.9 29.0 43.4#

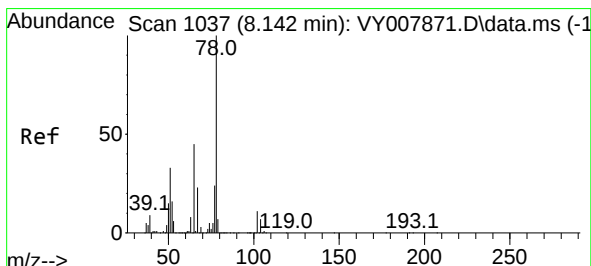
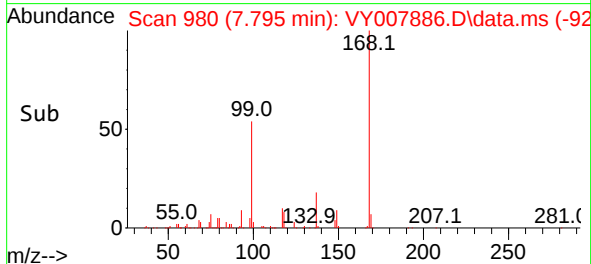
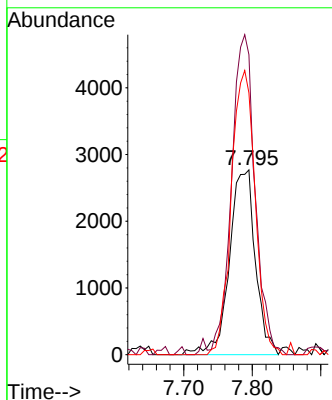
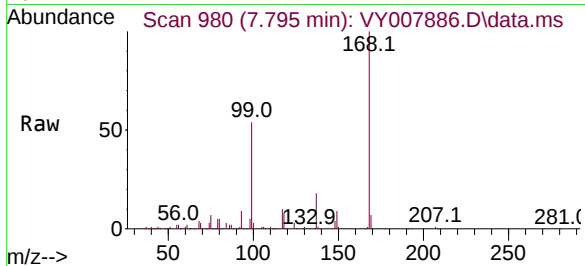




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

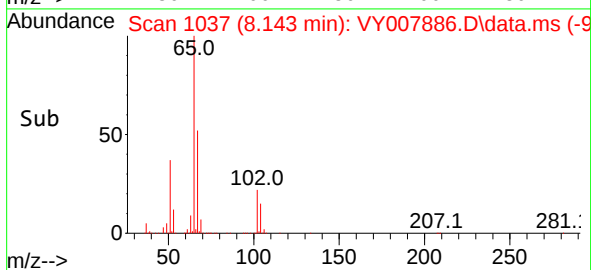
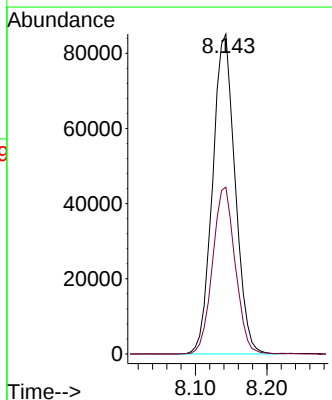
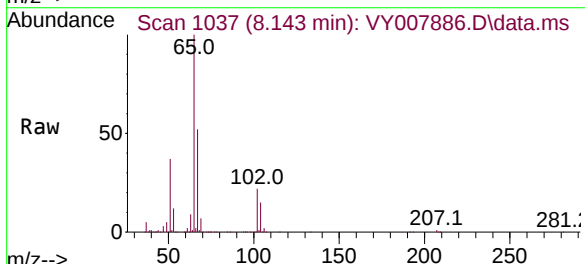
Instrument :
MSVOA_Y
ClientSampleId :
SB-10A

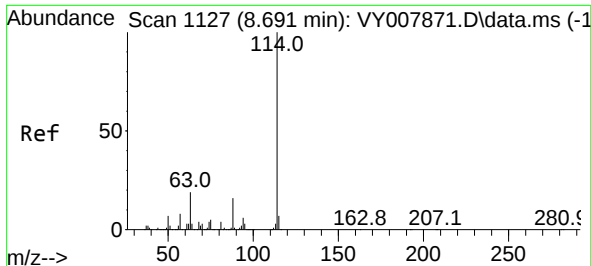
Tgt Ion: 56 Resp: 7318
Ion Ratio Lower Upper
56 100
69 160.4 26.7 40.1#
84 141.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 51.292 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

Tgt Ion: 65 Resp: 186167
Ion Ratio Lower Upper
65 100
67 52.4 0.0 99.4

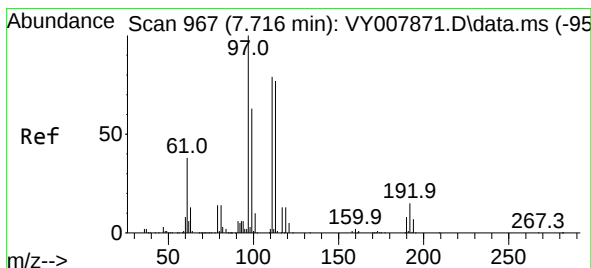
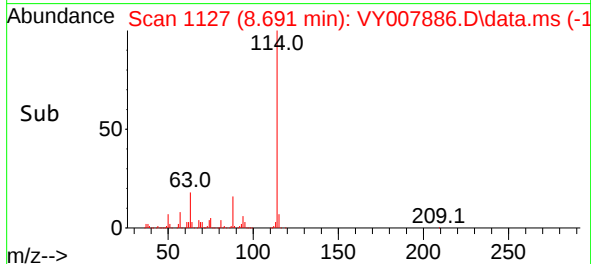
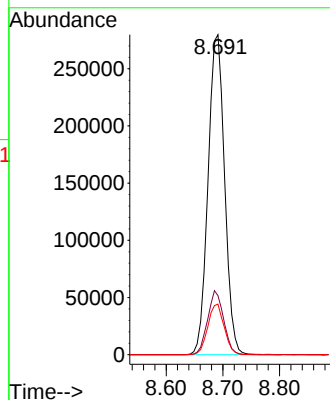
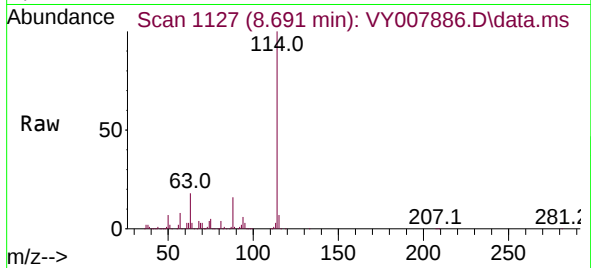




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

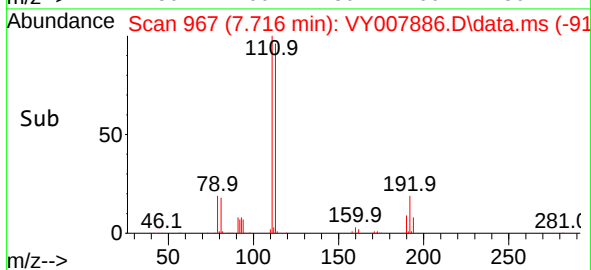
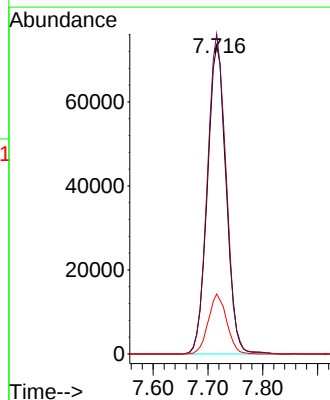
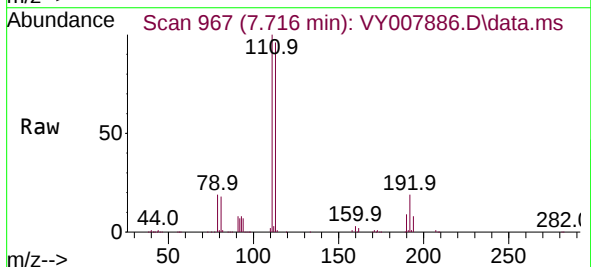
Instrument :
MSVOA_Y
ClientSampleId :
SB-10A

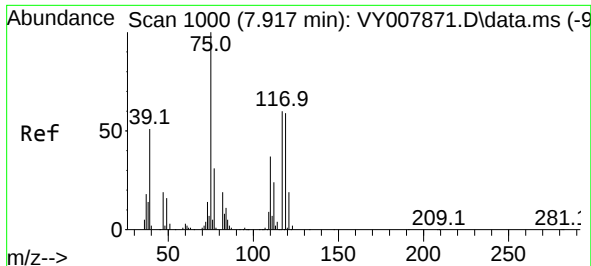
Tgt Ion:114 Resp: 567462
Ion Ratio Lower Upper
114 100
63 18.4 0.0 43.2
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 43.688 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

Tgt Ion:113 Resp: 174108
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 19.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.279 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007886.D

Acq: 17 Mar 2022 19:50

Instrument :

MSVOA_Y

ClientSampleId :

SB-10A

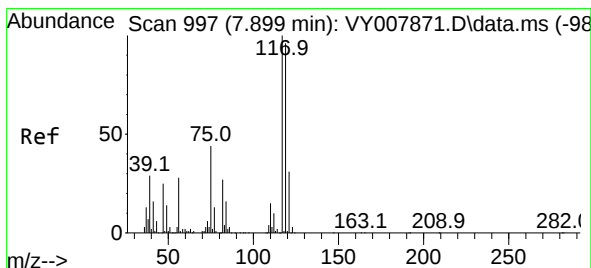
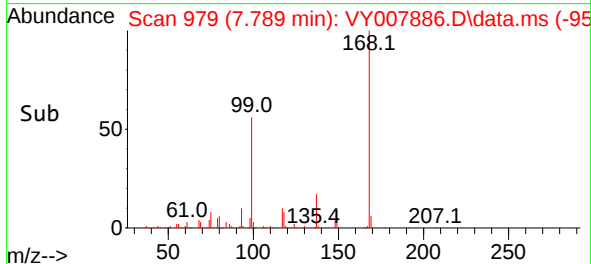
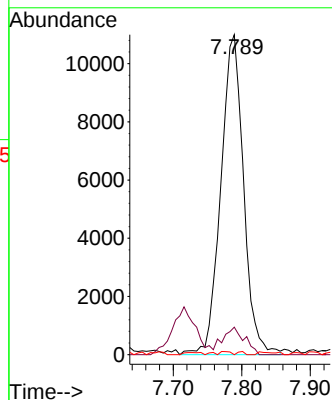
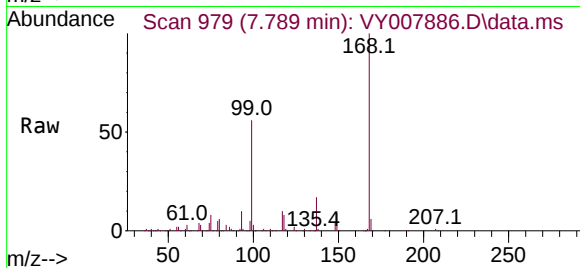
Tgt Ion: 75 Resp: 25294

Ion Ratio Lower Upper

75 100

110 8.2 17.1 51.2#

77 0.3 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.064 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007886.D

Acq: 17 Mar 2022 19:50

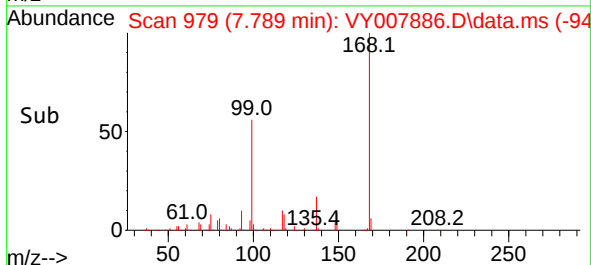
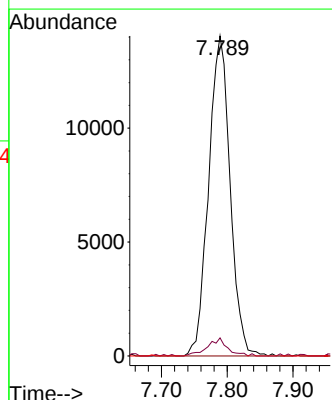
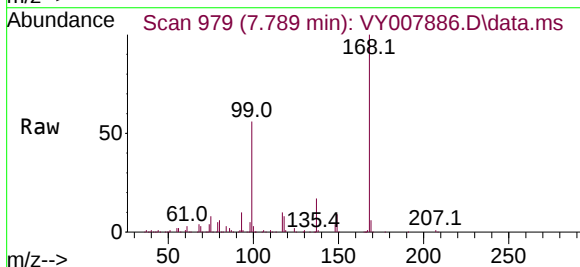
Tgt Ion: 117 Resp: 31987

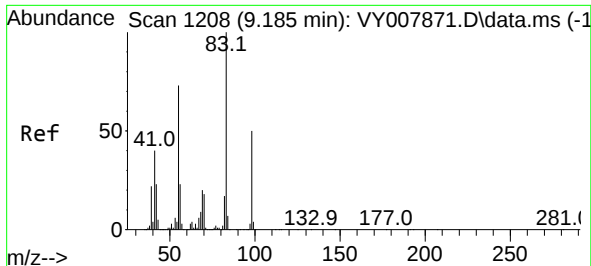
Ion Ratio Lower Upper

117 100

119 5.6 77.9 116.9#

121 0.0 24.8 37.2#

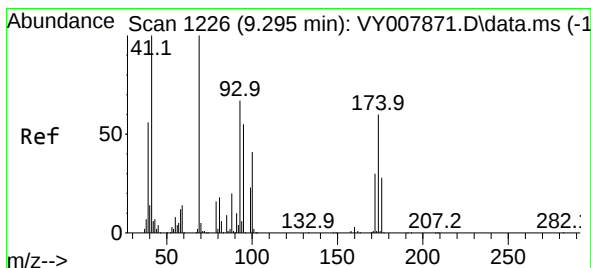
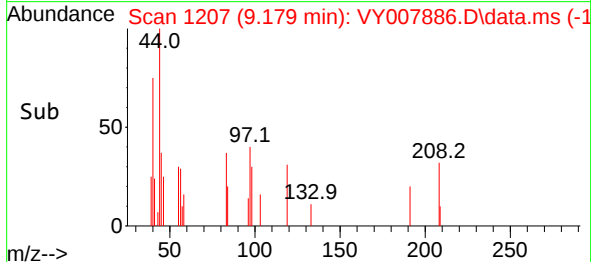
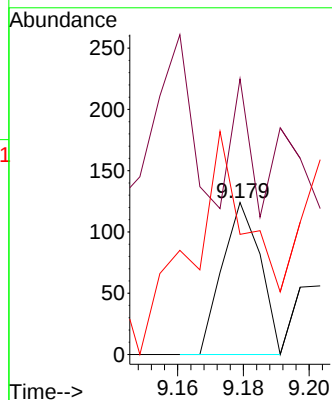
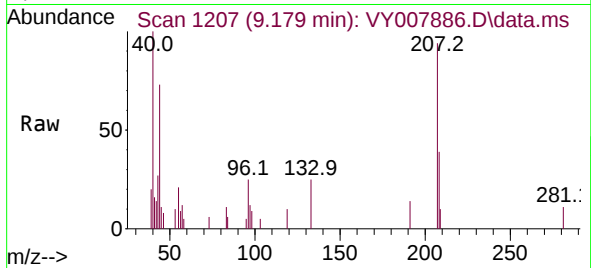




#39
Methylcyclohexane
Concen: Below Cal
RT: 9.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

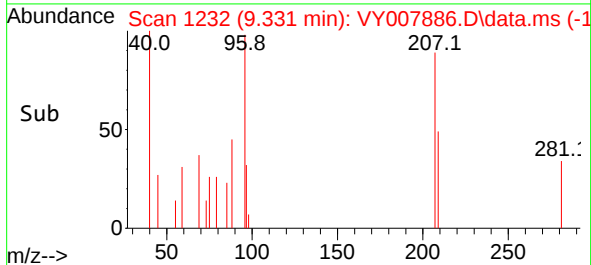
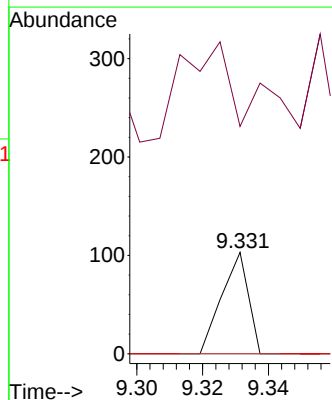
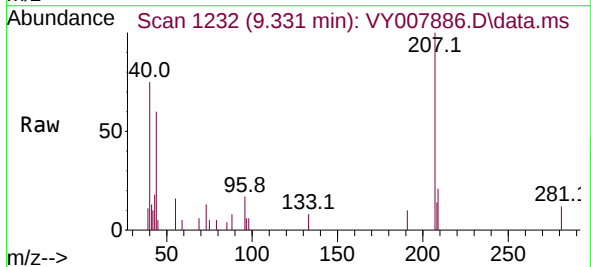
Instrument :
MSVOA_Y
ClientSampleId :
SB-10A

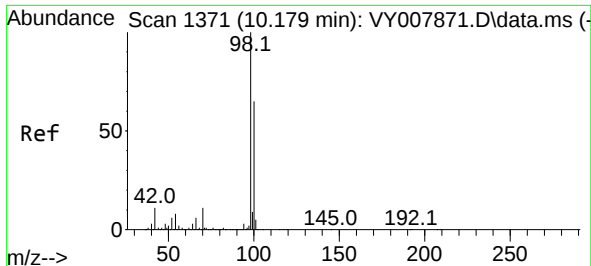
Tgt Ion: 83 Resp: 100
Ion Ratio Lower Upper
83 100
55 32.3 66.5 99.7#
98 37.9 37.9 56.9#



#49
1,4-Dioxane
Concen: 1.565 ug/l
RT: 9.331 min Scan# 1232
Delta R.T. 0.036 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 317.2 32.8 49.2#
58 0.0 59.8 89.6#

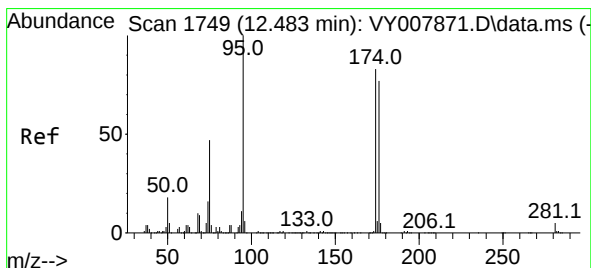
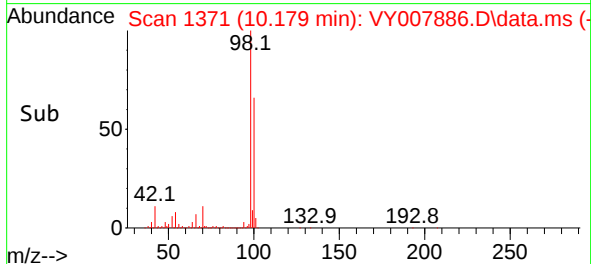
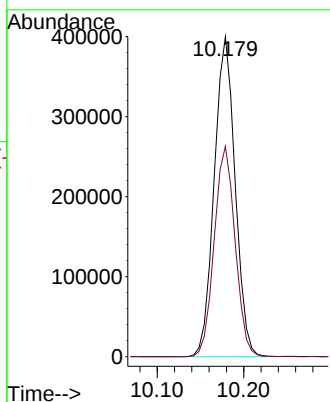
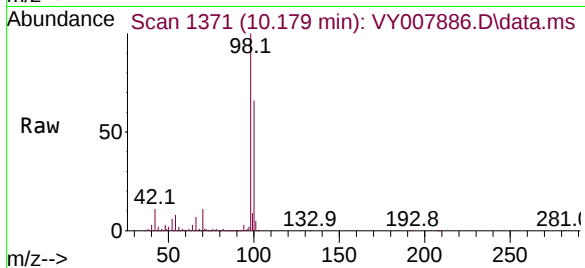




#50
Toluene-d8
Concen: 56.495 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

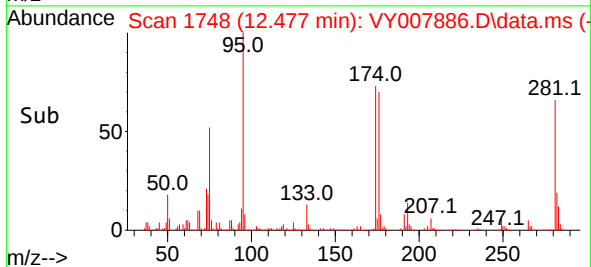
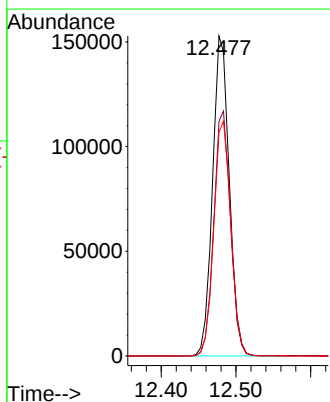
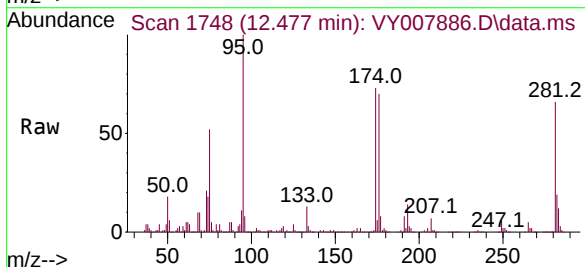
Instrument :
MSVOA_Y
ClientSampleId :
SB-10A

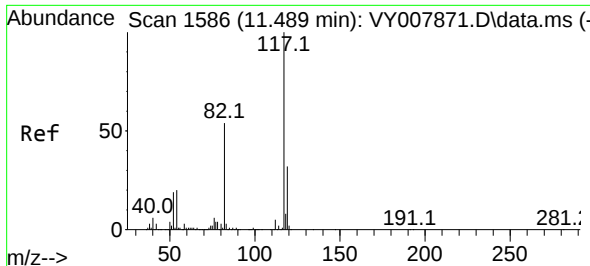
Tgt Ion: 98 Resp: 670578
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 41.534 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

Tgt Ion: 95 Resp: 237554
Ion Ratio Lower Upper
95 100
174 76.8 0.0 177.0
176 75.1 0.0 175.8

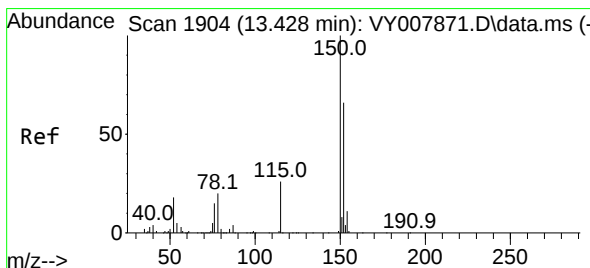
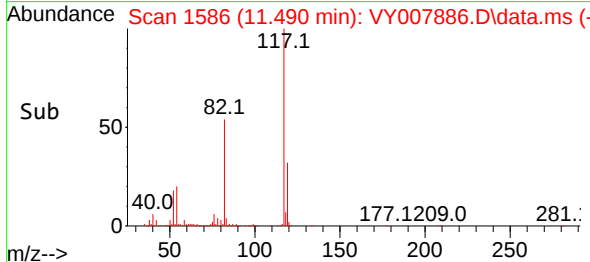
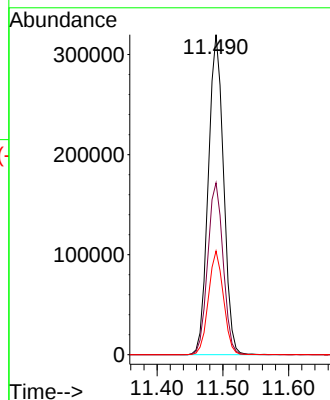
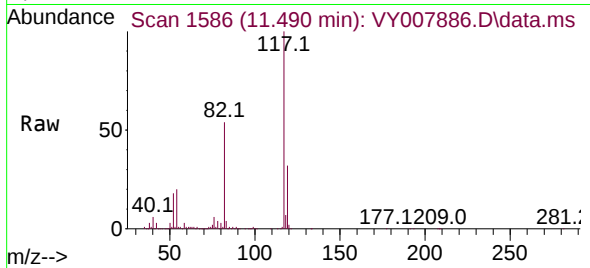




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

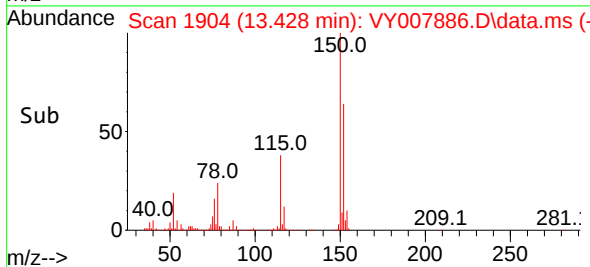
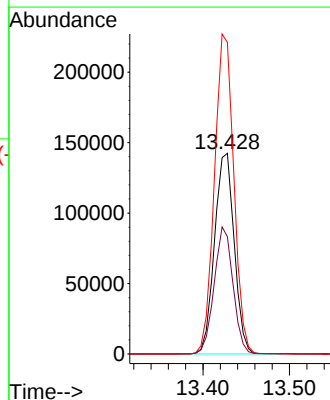
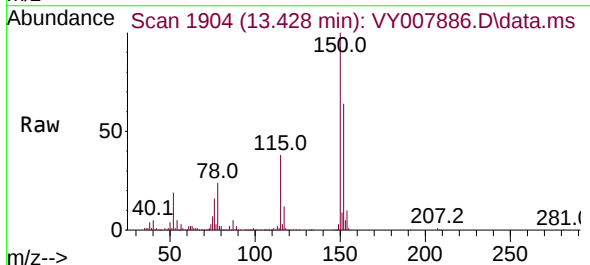
Instrument :
MSVOA_Y
ClientSampleId :
SB-10A

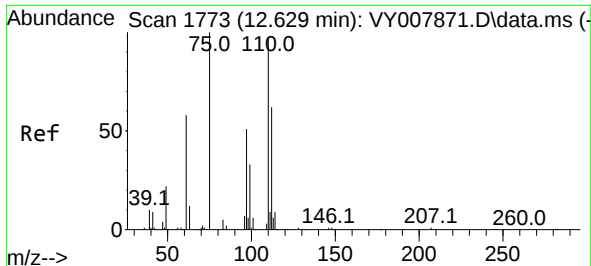
Tgt Ion:117 Resp: 517015
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

Tgt Ion:152 Resp: 224917
Ion Ratio Lower Upper
152 100
115 60.7 28.2 84.7
150 156.9 0.0 347.6

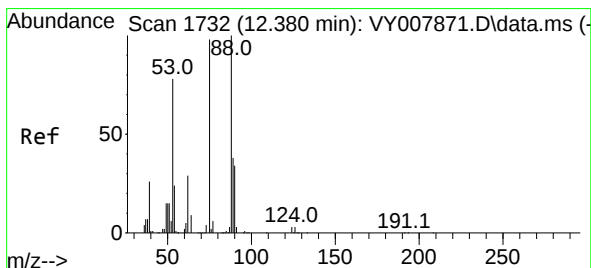
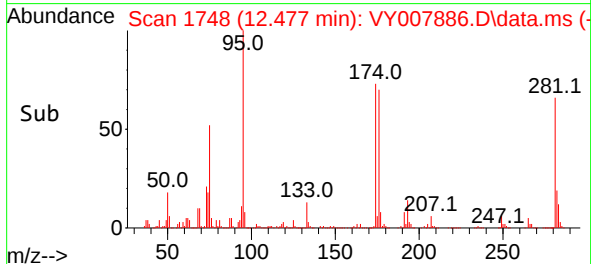
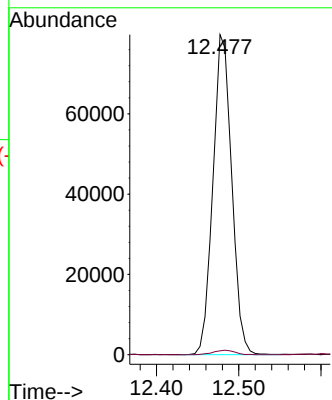
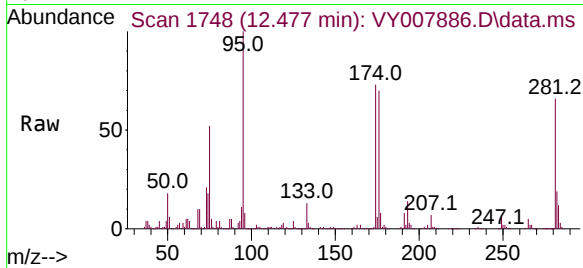




#76
1,2,3-Trichloropropane
Concen: 39.520 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.159 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

Instrument :
MSVOA_Y
ClientSampleId :
SB-10A

Tgt Ion: 75 Resp: 126695
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.009 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY007886.D
Acq: 17 Mar 2022 19:50

Tgt Ion: 75 Resp: 126695
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 2.5 37.0 55.4#

