

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041822\
 Data File : VY008378.D
 Acq On : 18 Apr 2022 17:06
 Operator : KP/MD
 Sample : N2427-04
 Misc : 5.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4

Quant Time: Apr 19 06:31:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

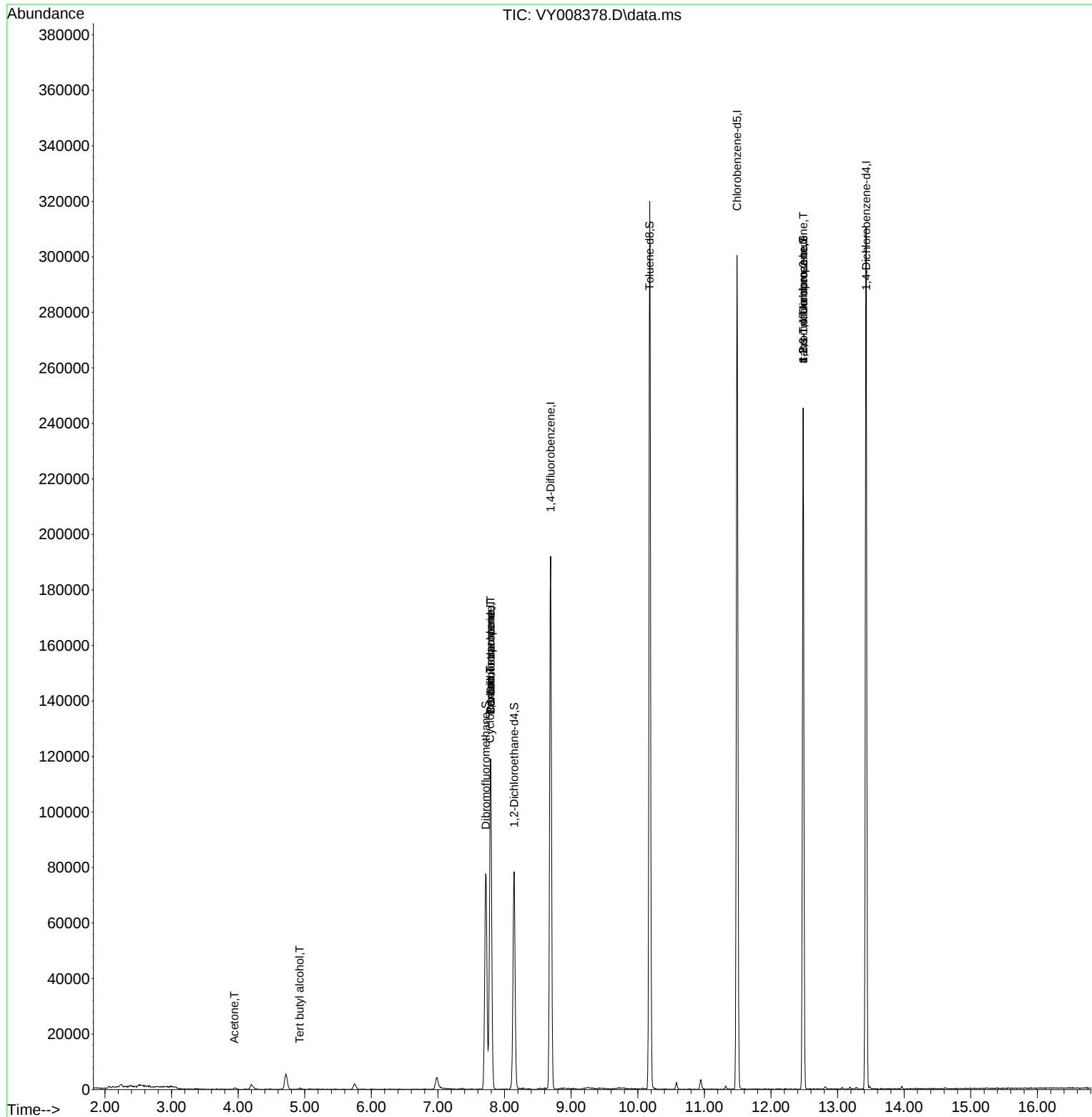
Internal Standards						
1) Pentafluorobenzene	7.789	168	92831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	170754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	169563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	57674	66.141	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.280%	
35) Dibromofluoromethane	7.716	113	55451	56.224	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.440%	
50) Toluene-d8	10.179	98	210923	62.501	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 125.000%	
62) 4-Bromofluorobenzene	12.483	95	71424	56.269	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	154	Below Cal	#	44
5) Bromomethane	2.674	94	181	Below Cal	#	4
11) Tert butyl alcohol	4.924	59	322	3.454	ug/l #	77
16) Acetone	3.942	43	962	4.587	ug/l #	89
18) Methyl Acetate	4.467	43	138	Below Cal		91
20) Methylene Chloride	4.716	84	4294	Below Cal	#	81
31) Cyclohexane	7.783	56	1954	1.239	ug/l #	11
36) 1,1-Dichloropropene	7.789	75	7428	4.717	ug/l #	50
38) Carbon Tetrachloride	7.789	117	9364	5.527	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	37803	44.481	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	37803	99.525	ug/l #	7

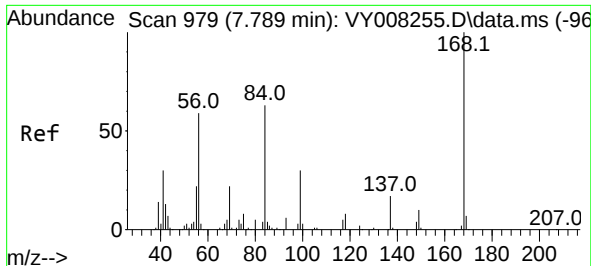
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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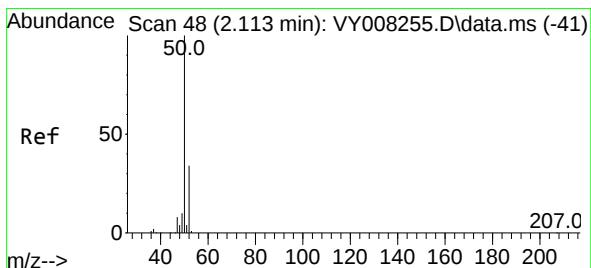
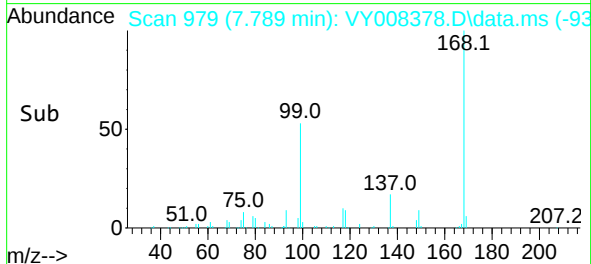
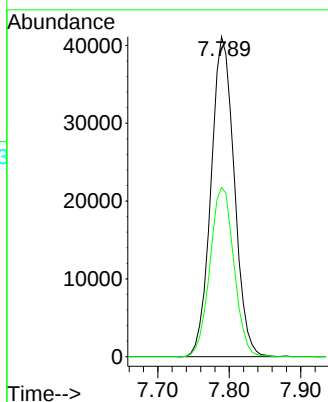
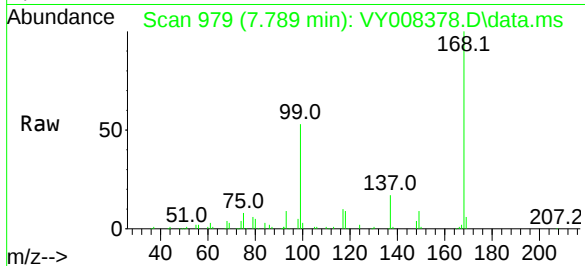




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008378.D
Acq: 18 Apr 2022 17:06

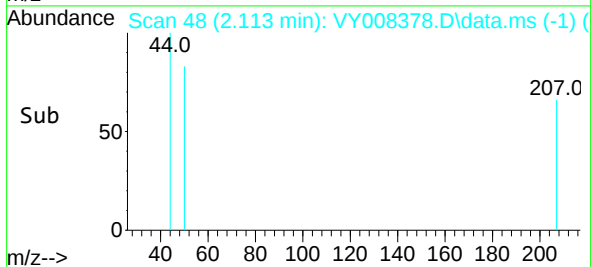
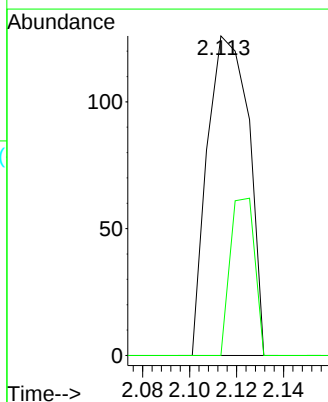
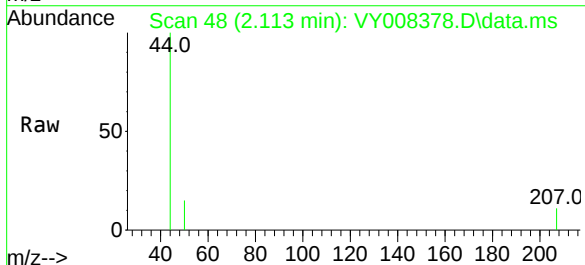
Instrument :
MSVOA_Y
ClientSampleId :
SB-4

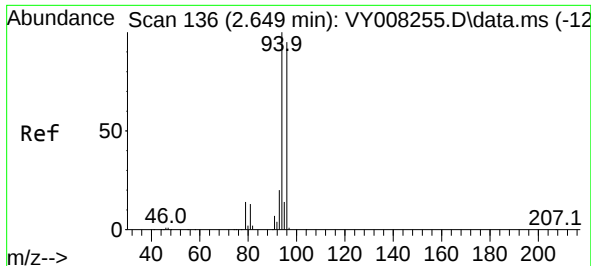
Tgt Ion:168 Resp: 92831
Ion Ratio Lower Upper
168 100
99 52.8 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008378.D
Acq: 18 Apr 2022 17:06

Tgt Ion: 50 Resp: 154
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

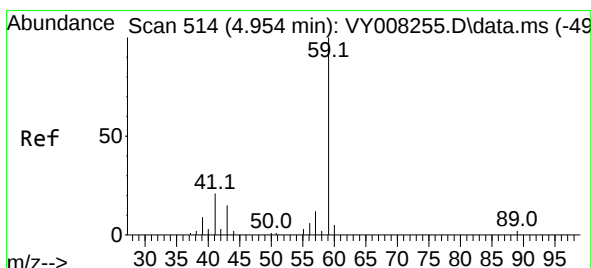
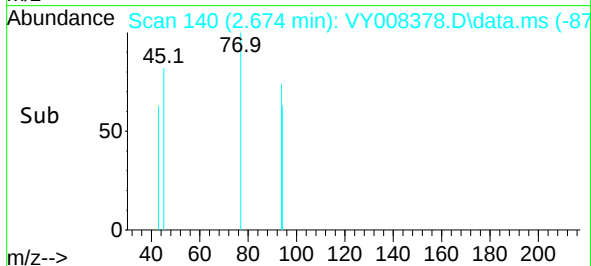
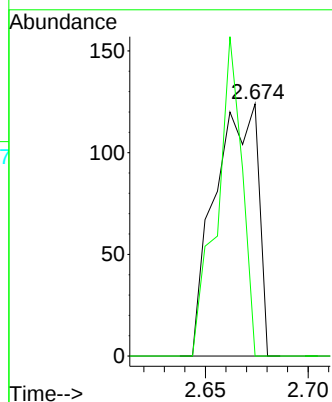
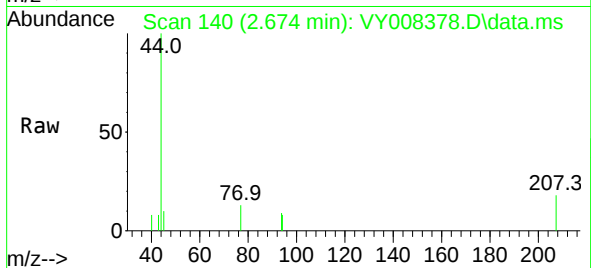




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.025 min
Lab File: VY008378.D
Acq: 18 Apr 2022 17:06

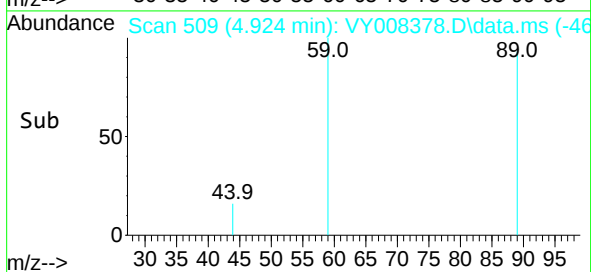
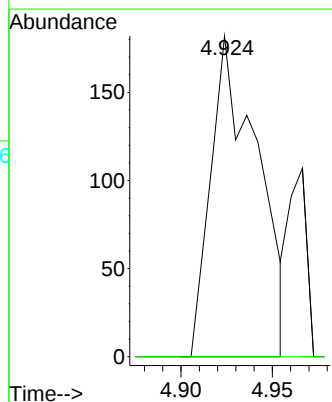
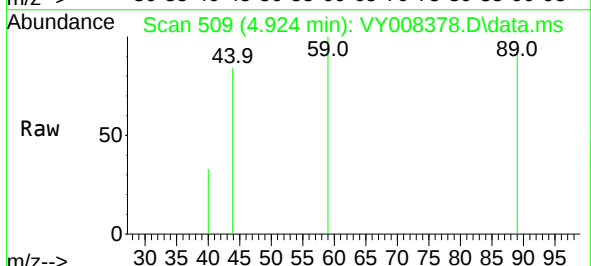
Instrument :
MSVOA_Y
ClientSampleId :
SB-4

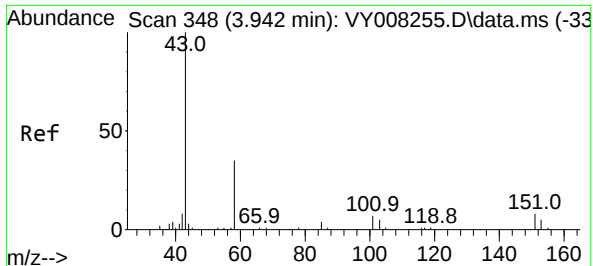
Tgt Ion: 94 Resp: 181
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#11
Tert butyl alcohol
Concen: 3.454 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY008378.D
Acq: 18 Apr 2022 17:06

Tgt Ion: 59 Resp: 322
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

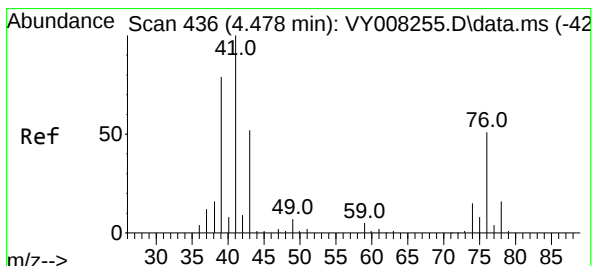
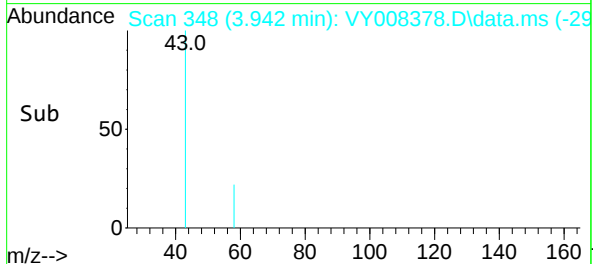
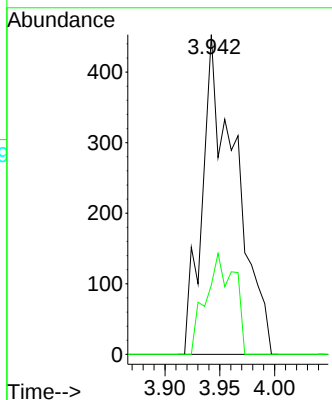
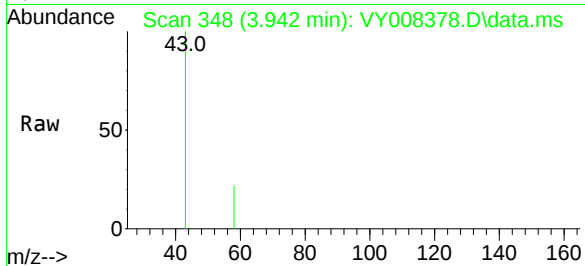




#16
Acetone
Concen: 4.587 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY008378.D
Acq: 18 Apr 2022 17:06

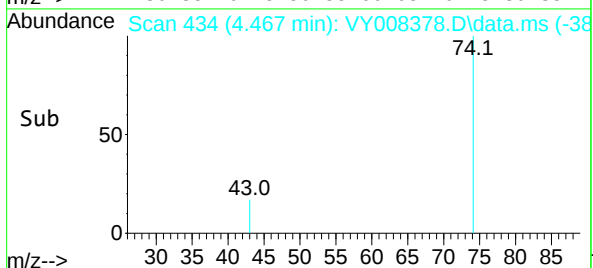
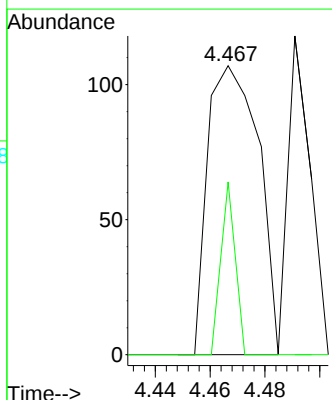
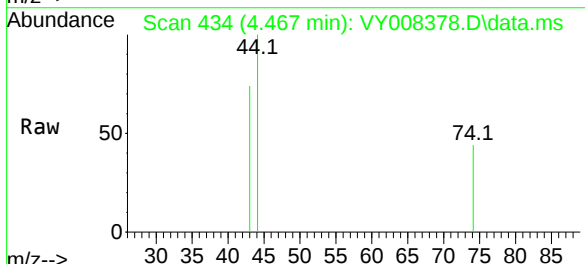
Instrument :
MSVOA_Y
ClientSampleId :
SB-4

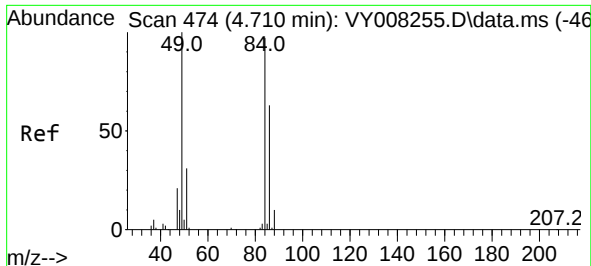
Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
58 21.6 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.467 min Scan# 434
Delta R.T. -0.011 min
Lab File: VY008378.D
Acq: 18 Apr 2022 17:06

Tgt Ion: 43 Resp: 138
Ion Ratio Lower Upper
43 100
74 16.7 16.6 24.8

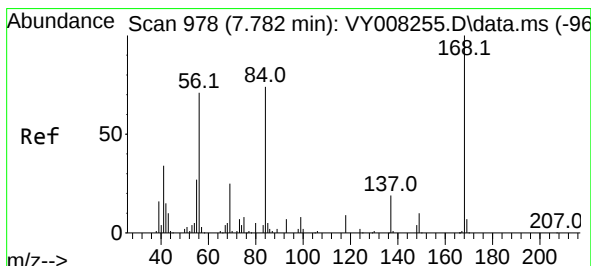
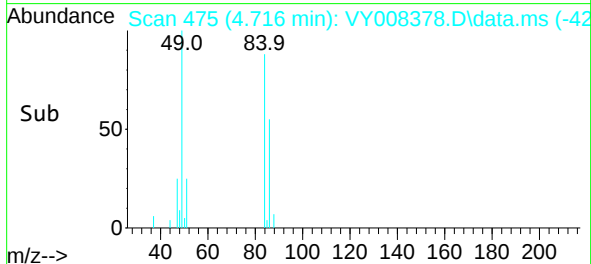
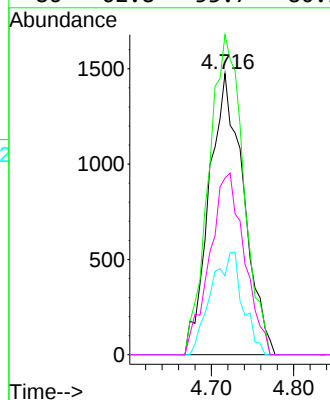
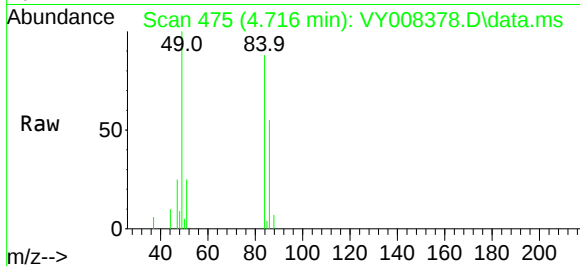




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008378.D
Acq: 18 Apr 2022 17:06

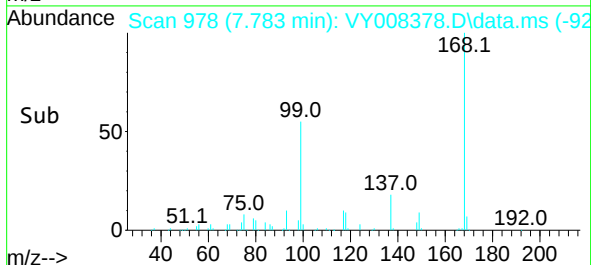
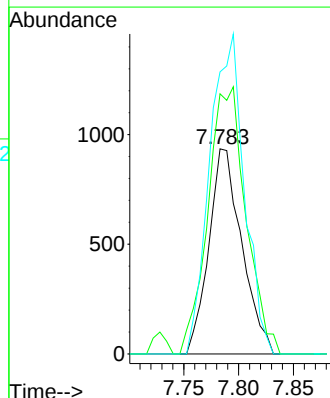
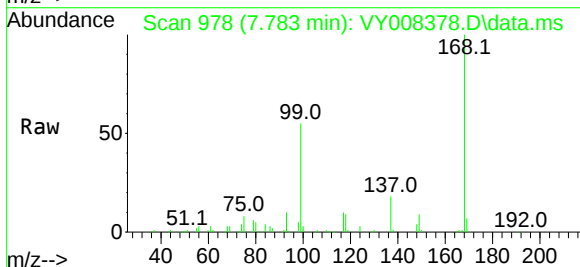
Instrument :
MSVOA_Y
ClientSampleId :
SB-4

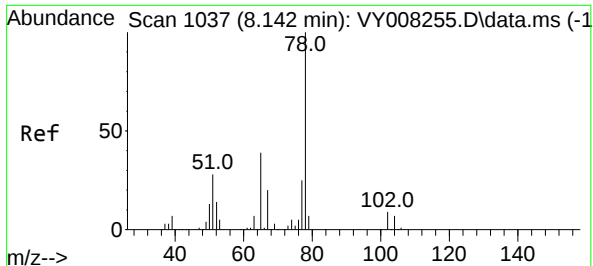
Tgt Ion:	84	Resp:	4294
Ion	Ratio	Lower	Upper
84	100		
49	113.8	114.4	171.6#
51	28.1	35.3	52.9#
86	62.8	53.7	80.5



#31
Cyclohexane
Concen: 1.239 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.001 min
Lab File: VY008378.D
Acq: 18 Apr 2022 17:06

Tgt Ion:	56	Resp:	1954
Ion	Ratio	Lower	Upper
56	100		
69	126.8	26.7	40.1#
84	137.5	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 66.141 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY008378.D

Acq: 18 Apr 2022 17:06

Instrument :

MSVOA_Y

ClientSampleId :

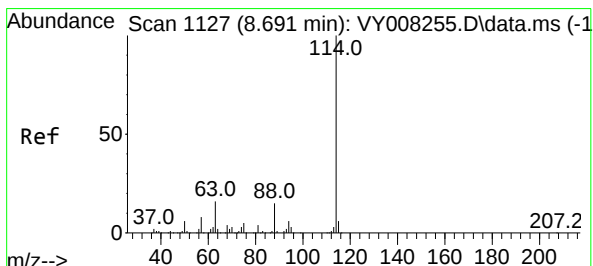
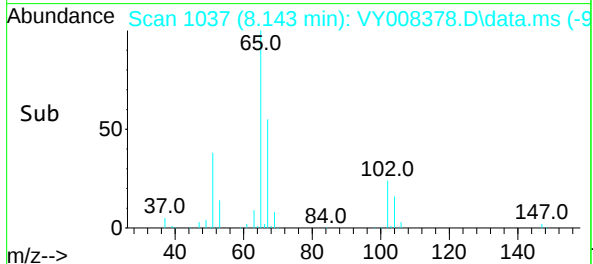
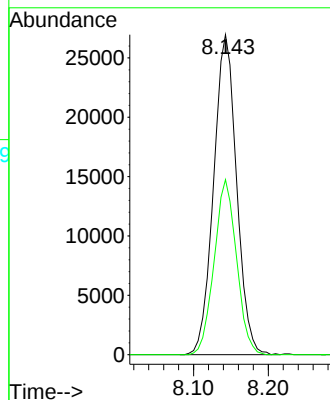
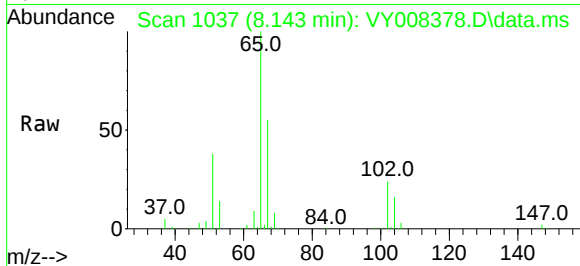
SB-4

Tgt Ion: 65 Resp: 57674

Ion Ratio Lower Upper

65 100

67 53.2 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: VY008378.D

Acq: 18 Apr 2022 17:06

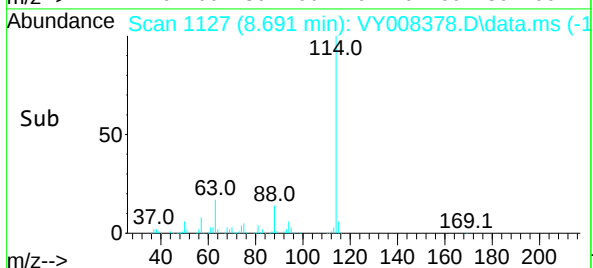
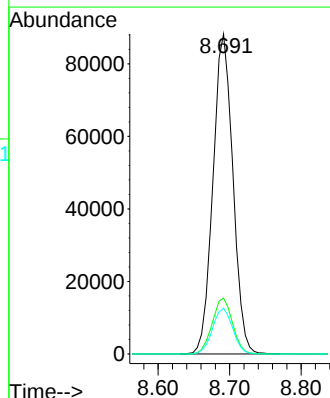
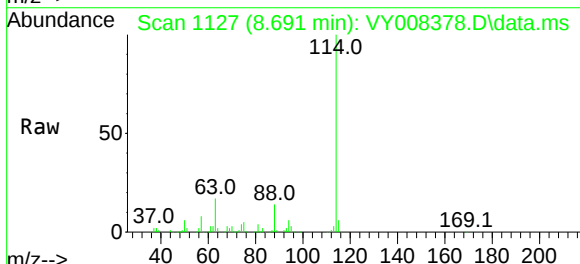
Tgt Ion: 114 Resp: 170754

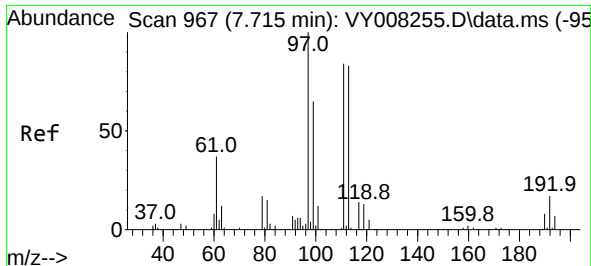
Ion Ratio Lower Upper

114 100

63 17.5 0.0 43.2

88 14.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 56.224 ug/l

RT: 7.716 min Scan# 91

Delta R.T. 0.001 min

Lab File: VY008378.D

Acq: 18 Apr 2022 17:06

Instrument :

MSVOA_Y

ClientSampleId :

SB-4

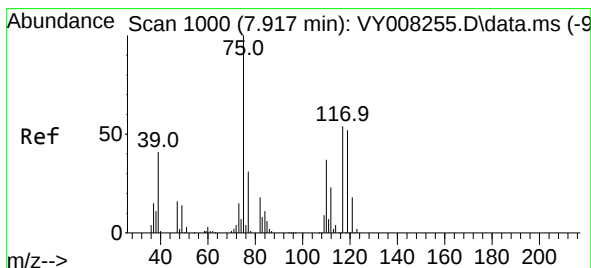
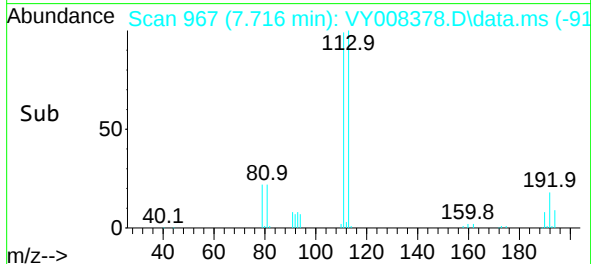
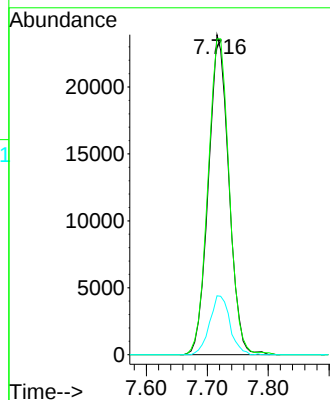
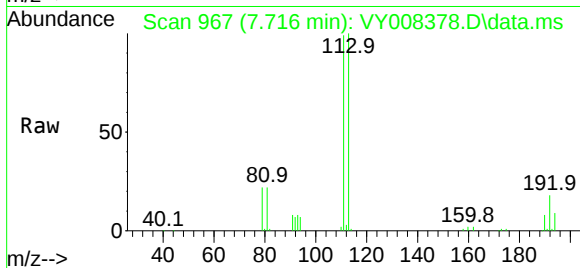
Tgt Ion:113 Resp: 55451

Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

192 18.3 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.717 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY008378.D

Acq: 18 Apr 2022 17:06

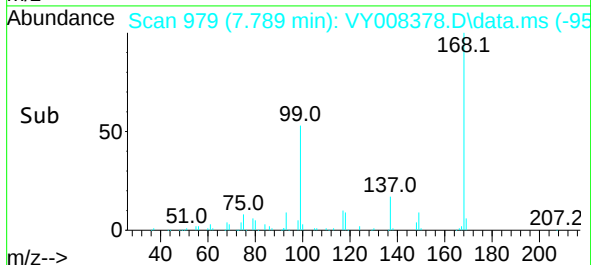
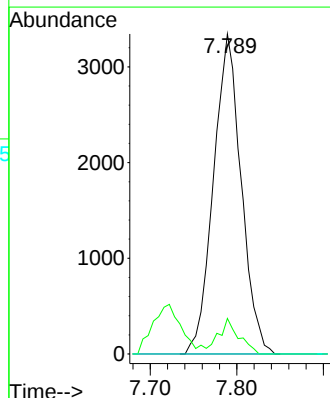
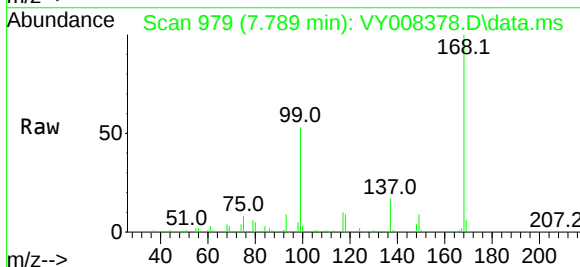
Tgt Ion: 75 Resp: 7428

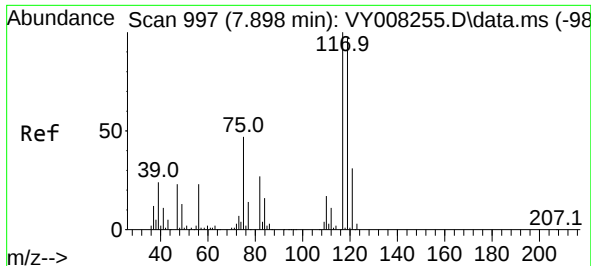
Ion Ratio Lower Upper

75 100

110 8.0 17.1 51.2#

77 0.0 24.4 36.6#

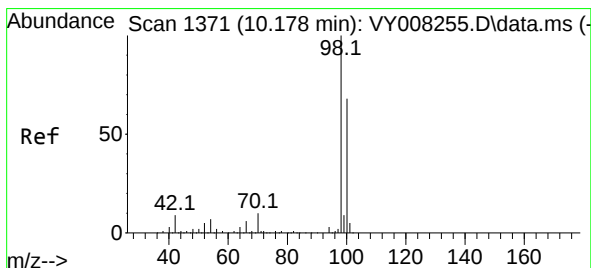
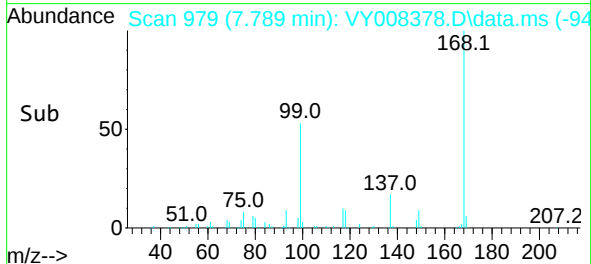
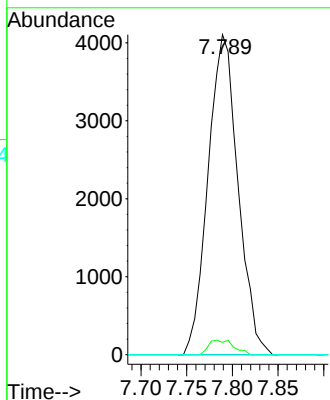
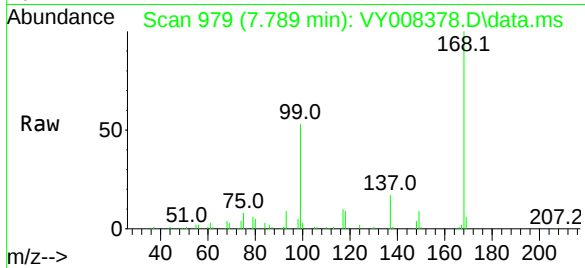




#38
Carbon Tetrachloride
Concen: 5.527 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY008378.D
Acq: 18 Apr 2022 17:06

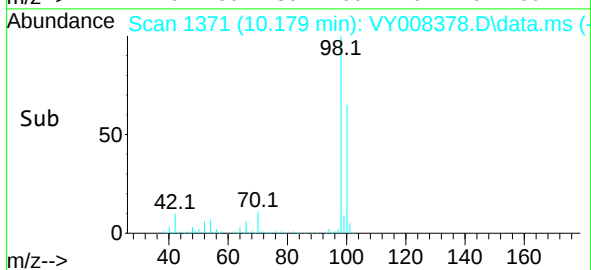
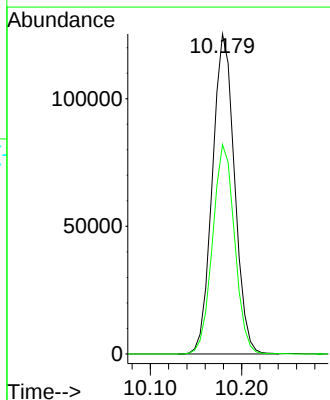
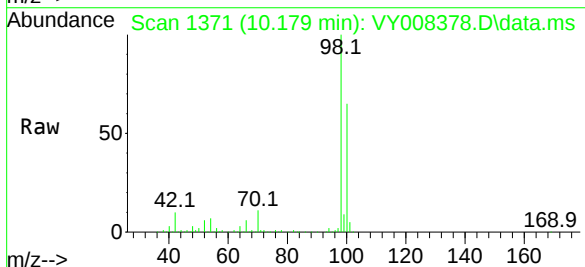
Instrument :
MSVOA_Y
ClientSampleId :
SB-4

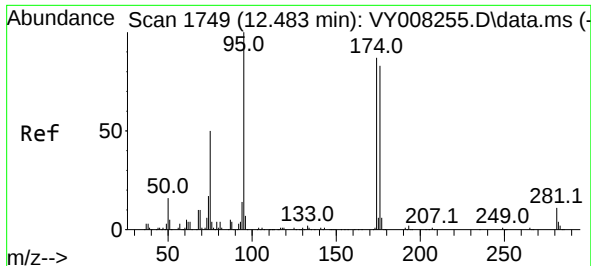
Tgt Ion:117 Resp: 9364
Ion Ratio Lower Upper
117 100
119 3.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 62.501 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008378.D
Acq: 18 Apr 2022 17:06

Tgt Ion: 98 Resp: 210923
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2

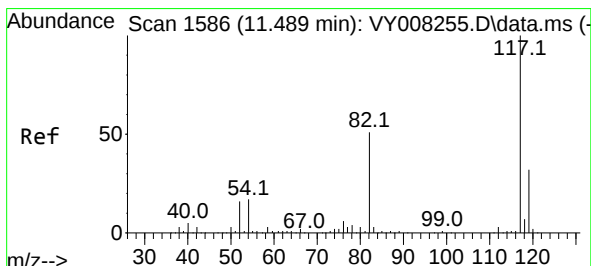
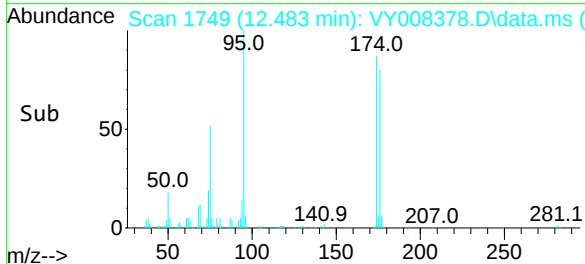
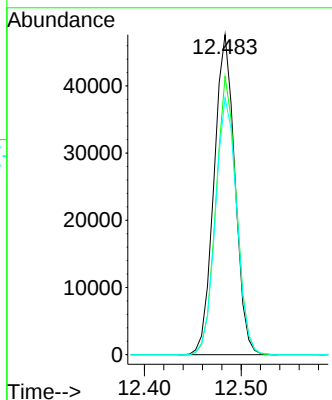
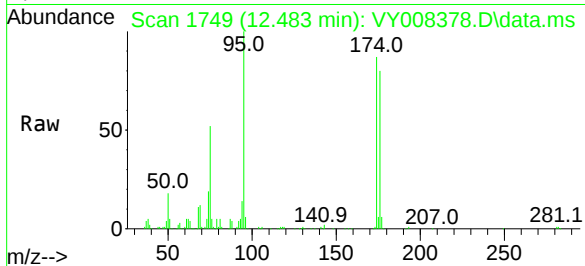




#62
4-Bromofluorobenzene
Concen: 56.269 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008378.D
Acq: 18 Apr 2022 17:06

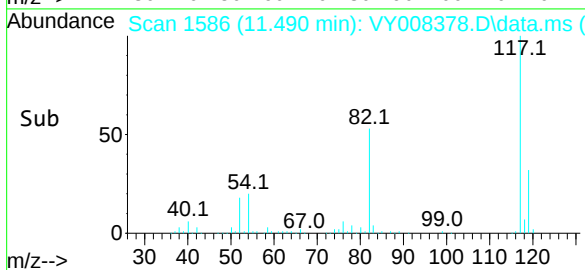
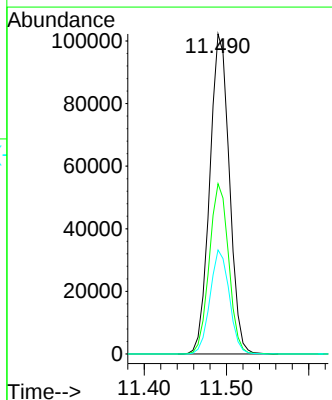
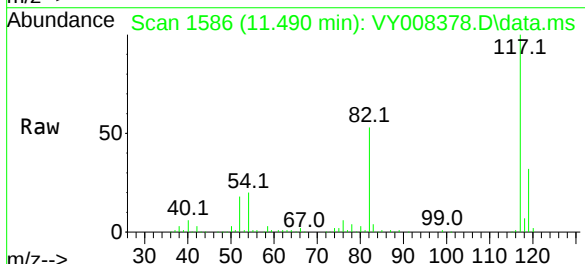
Instrument :
MSVOA_Y
ClientSampleId :
SB-4

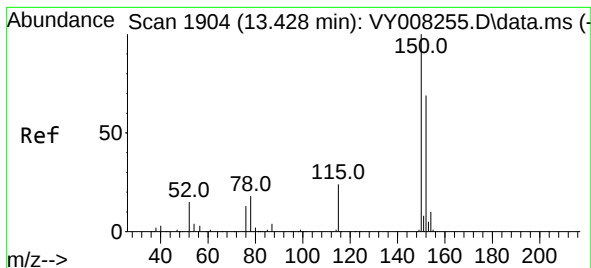
Tgt Ion: 95 Resp: 71424
Ion Ratio Lower Upper
95 100
174 85.4 0.0 177.0
176 82.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY008378.D
Acq: 18 Apr 2022 17:06

Tgt Ion: 117 Resp: 169563
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 32.5 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: VY008378.D

Acq: 18 Apr 2022 17:06

Instrument :

MSVOA_Y

ClientSampleId :

SB-4

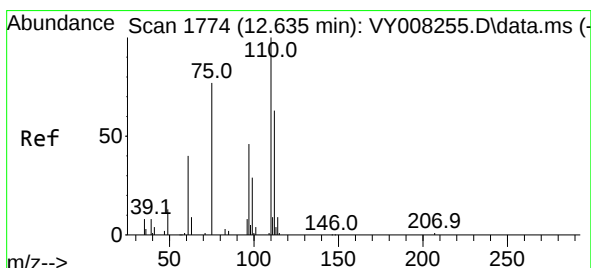
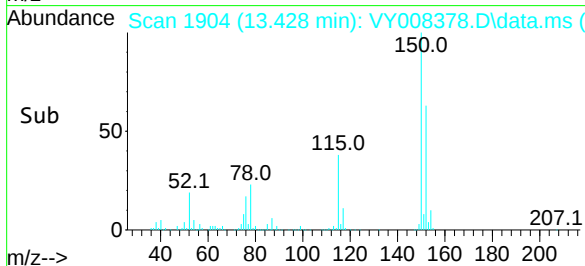
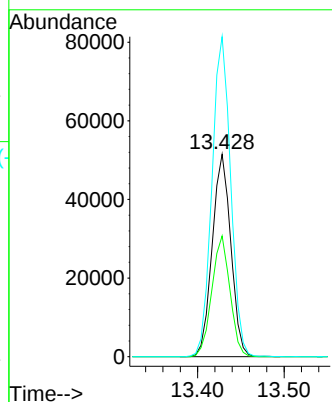
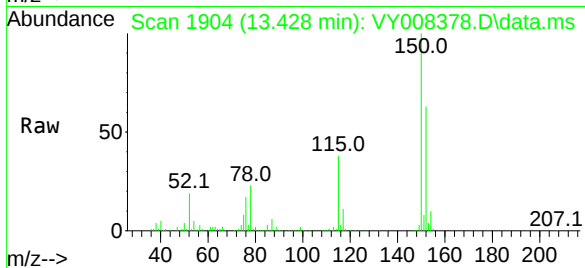
Tgt Ion:152 Resp: 76843

Ion Ratio Lower Upper

152 100

115 58.0 28.2 84.7

150 158.9 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 44.481 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008378.D

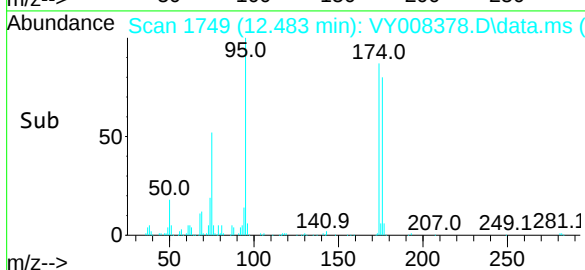
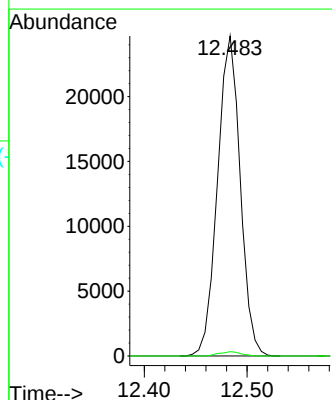
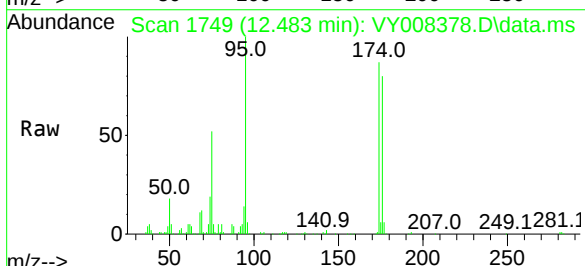
Acq: 18 Apr 2022 17:06

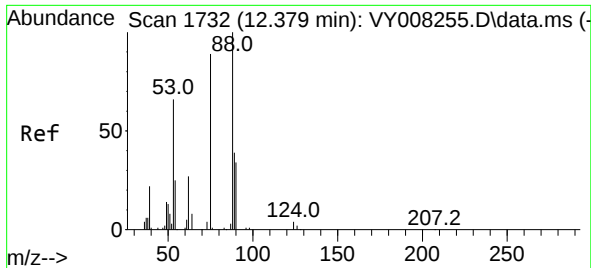
Tgt Ion: 75 Resp: 37803

Ion Ratio Lower Upper

75 100

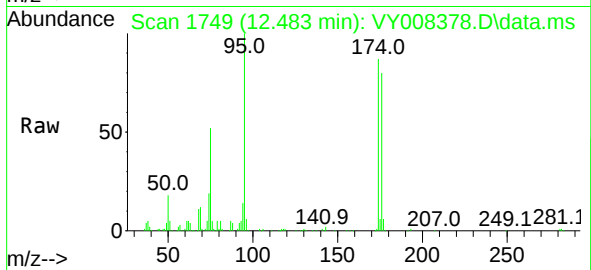
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.525 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008378.D
 Acq: 18 Apr 2022 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.0	37.0	55.4#

