

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011839.D
 Acq On : 14 Dec 2022 12:55
 Operator : KP/MD
 Sample : N6026-01
 Misc : 5.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-29-SB01

Quant Time: Dec 15 01:19:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

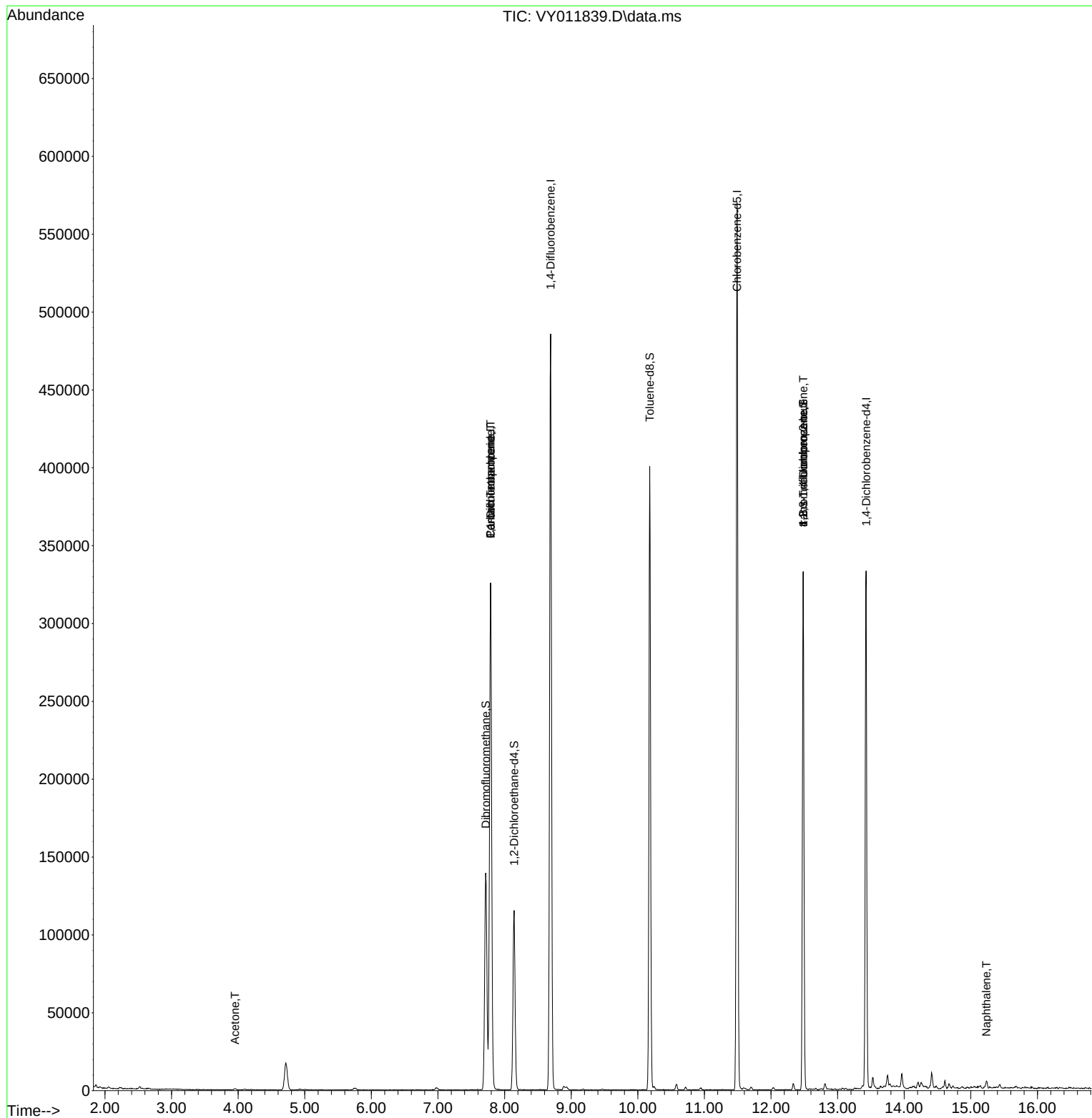
Internal Standards						
1) Pentafluorobenzene	7.789	168	249789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	416080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	308661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	87834	51.692	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.380%	
35) Dibromofluoromethane	7.716	113	98054	53.298	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.600%	
50) Toluene-d8	10.179	98	262566	42.299	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 84.600%	
62) 4-Bromofluorobenzene	12.483	95	97601	39.500	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	47	Below Cal	#	41
3) Chloromethane	2.113	50	187	Below Cal	#	41
5) Bromomethane	2.668	94	230	Below Cal	#	75
11) Tert butyl alcohol	4.917	59	337	Below Cal	#	74
16) Acetone	3.954	43	1358	1.991	ug/l #	84
18) Methyl Acetate	4.734	43	20	Below Cal	#	50
20) Methylene Chloride	4.716	84	13594	Below Cal		95
31) Cyclohexane	7.789	56	5011	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	18711	5.926	ug/l #	50
38) Carbon Tetrachloride	7.789	117	24905	6.715	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	51052	57.474	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51052	130.421	ug/l #	13
95) Naphthalene	15.233	128	3935	1.448	ug/l	96

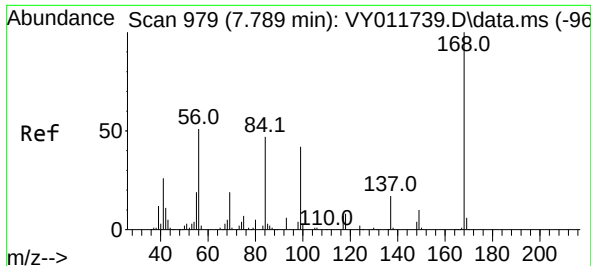
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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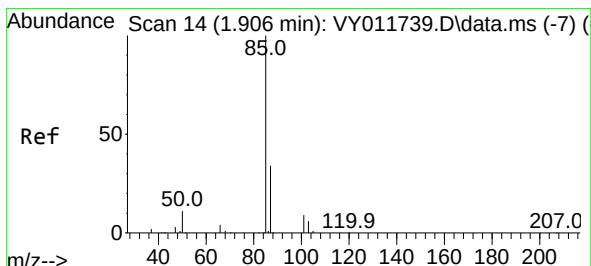
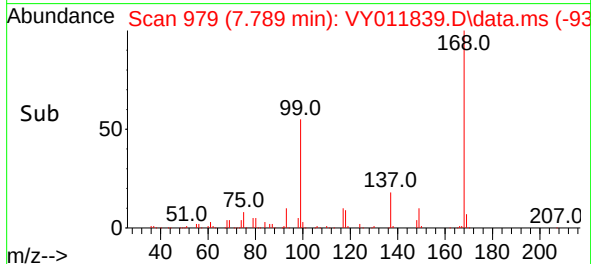
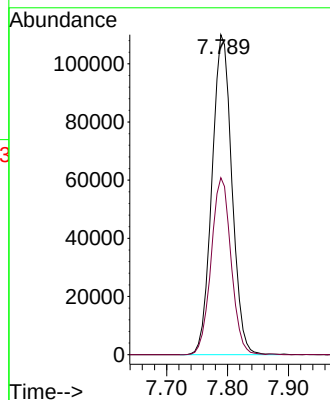
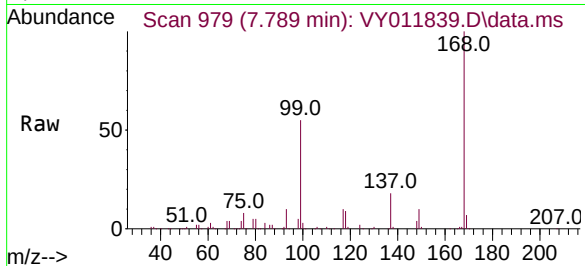




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011839.D
Acq: 14 Dec 2022 12:55

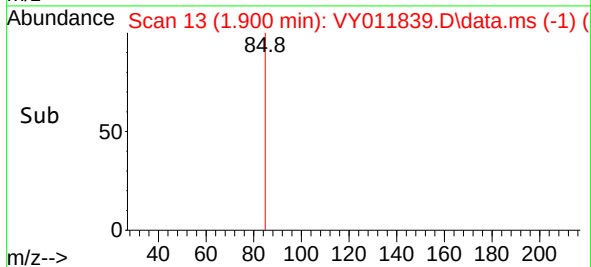
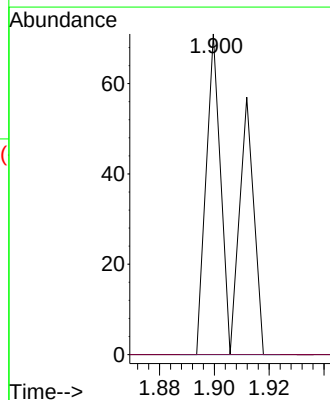
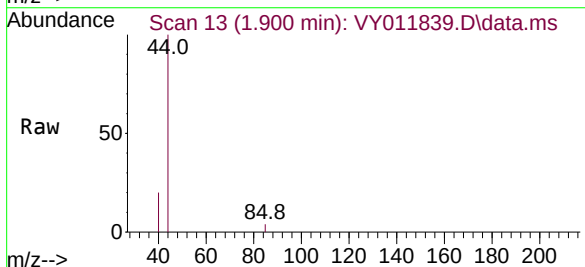
Instrument :
MSVOA_Y
ClientSampleId :
B-29-SB01

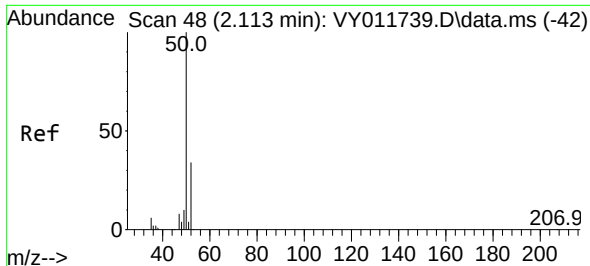
Tgt Ion:168 Resp: 249789
Ion Ratio Lower Upper
168 100
99 55.3 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011839.D
Acq: 14 Dec 2022 12:55

Tgt Ion: 85 Resp: 47
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

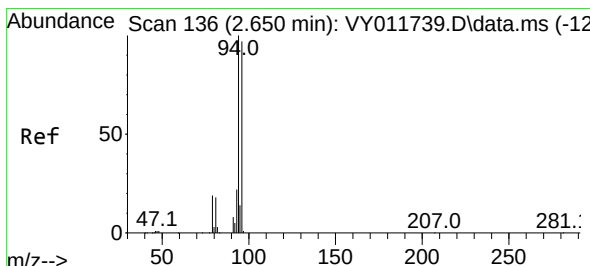
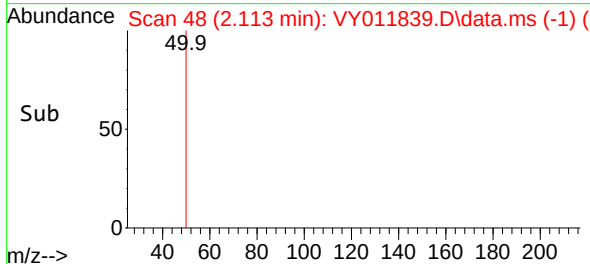
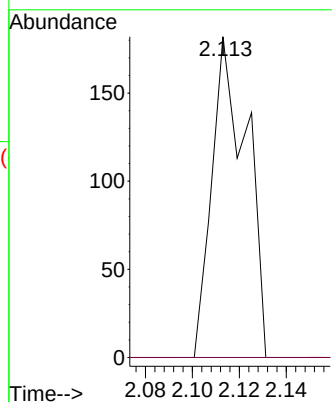
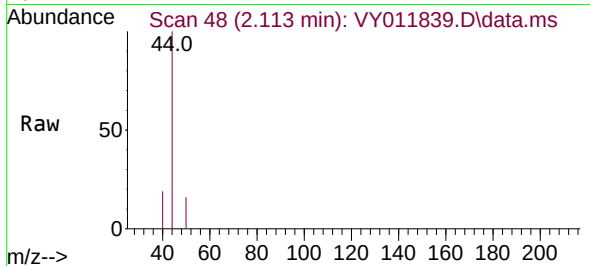




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY011839.D
Acq: 14 Dec 2022 12:55

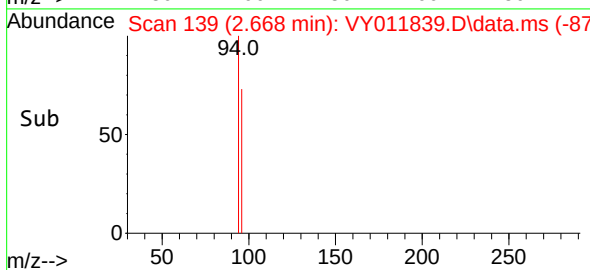
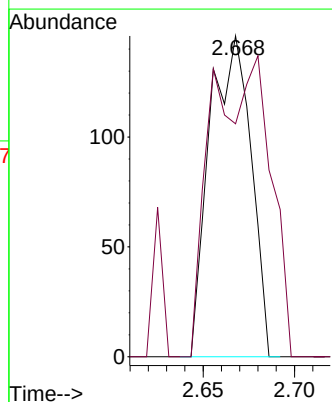
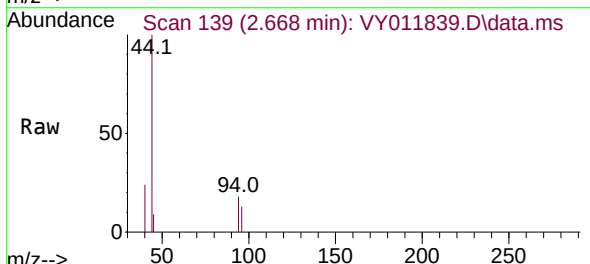
Instrument :
MSVOA_Y
ClientSampleId :
B-29-SB01

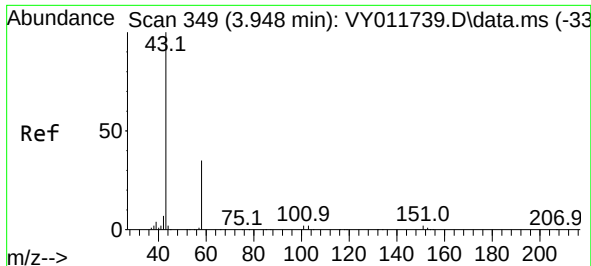
Tgt Ion: 50 Resp: 187
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY011839.D
Acq: 14 Dec 2022 12:55

Tgt Ion: 94 Resp: 230
Ion Ratio Lower Upper
94 100
96 72.6 77.4 116.2#

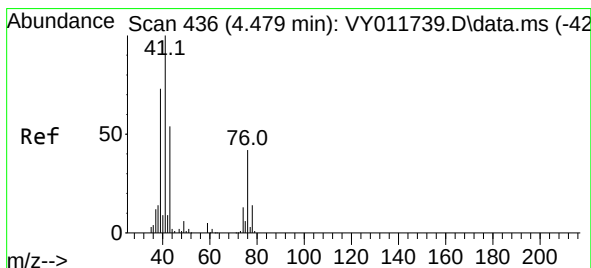
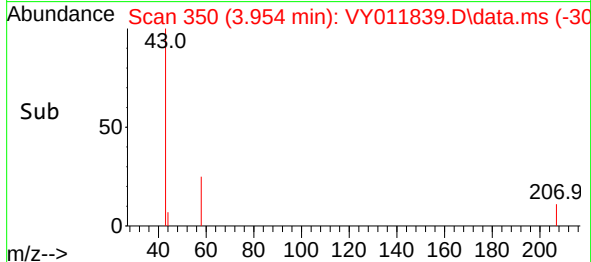
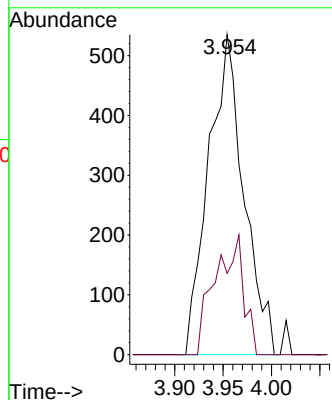
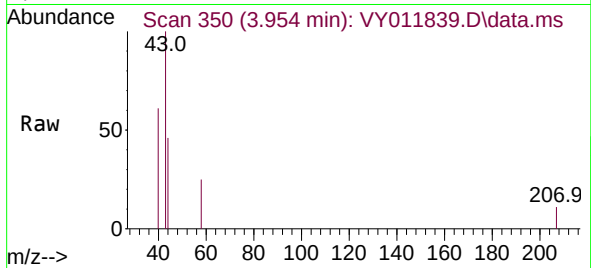




#16
Acetone
Concen: 1.991 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011839.D
Acq: 14 Dec 2022 12:55

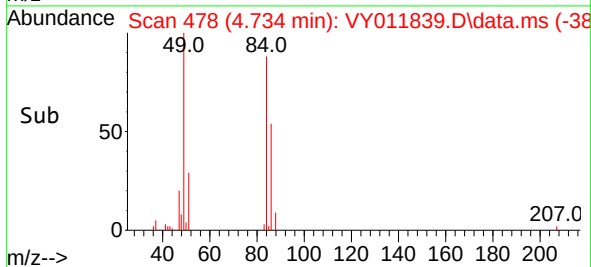
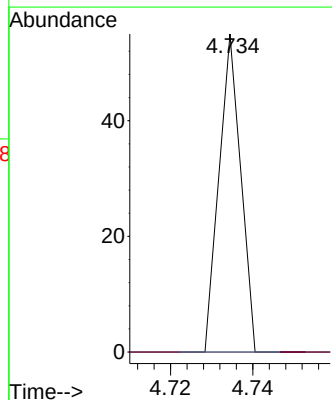
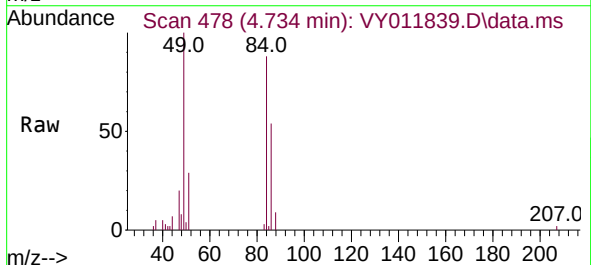
Instrument :
MSVOA_Y
ClientSampleId :
B-29-SB01

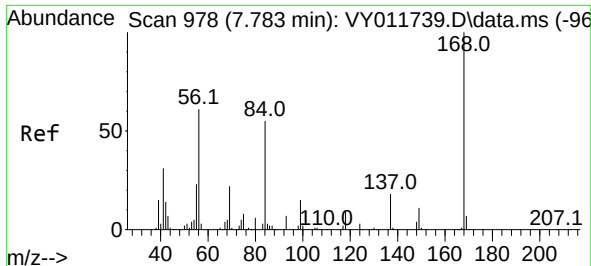
Tgt Ion: 43 Resp: 1358
Ion Ratio Lower Upper
43 100
58 25.4 27.9 41.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.734 min Scan# 478
Delta R.T. 0.255 min
Lab File: VY011839.D
Acq: 14 Dec 2022 12:55

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#

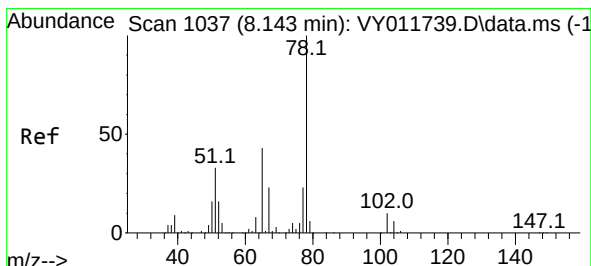
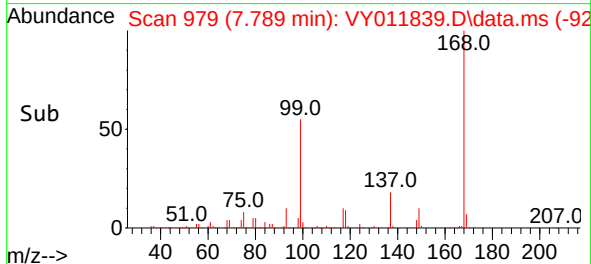
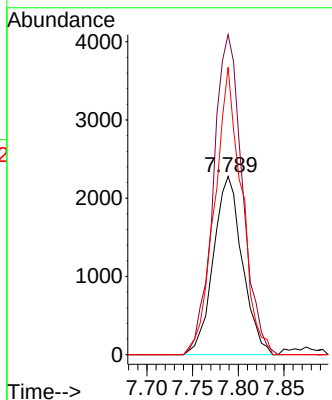
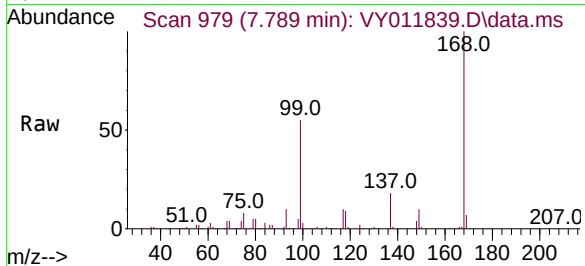




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011839.D
Acq: 14 Dec 2022 12:55

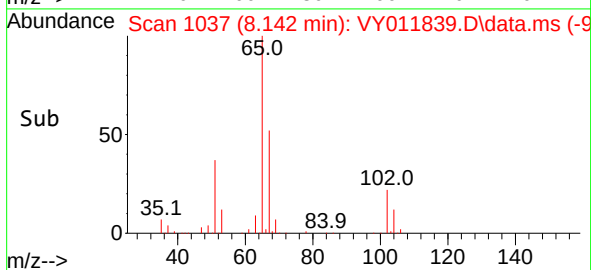
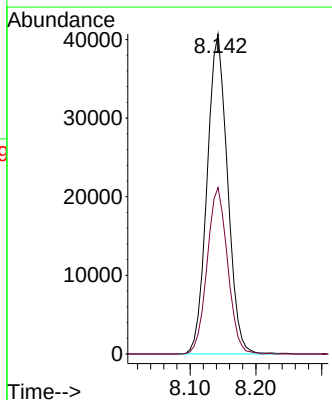
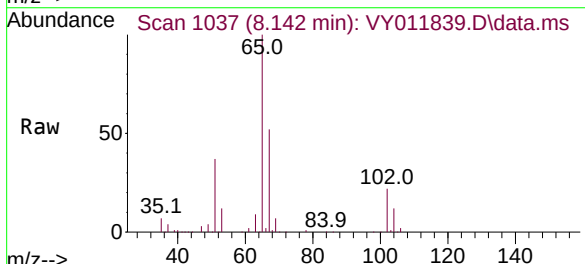
Instrument :
MSVOA_Y
ClientSampleId :
B-29-SB01

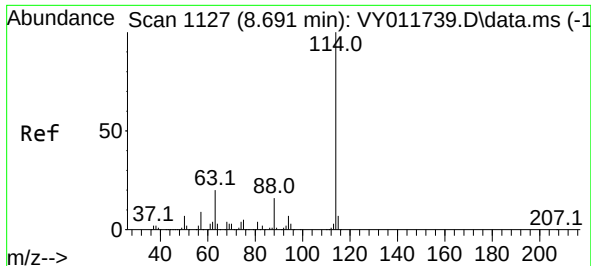
Tgt Ion: 56 Resp: 5011
Ion Ratio Lower Upper
56 100
69 179.5 29.2 43.8#
84 161.2 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 51.692 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011839.D
Acq: 14 Dec 2022 12:55

Tgt Ion: 65 Resp: 87834
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011839.D

Acq: 14 Dec 2022 12:55

Instrument :

MSVOA_Y

ClientSampleId :

B-29-SB01

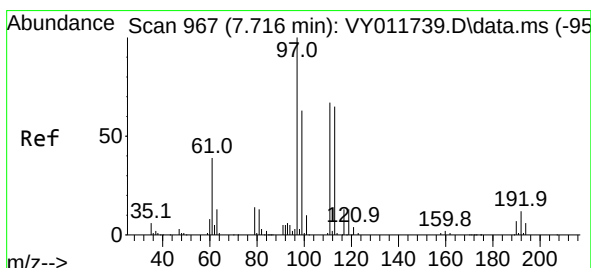
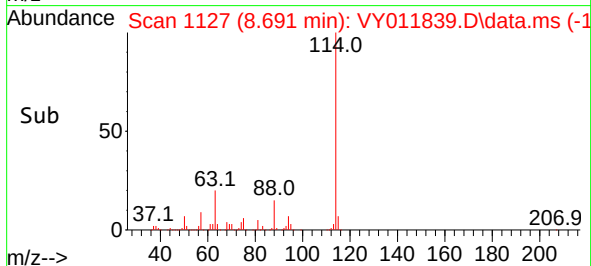
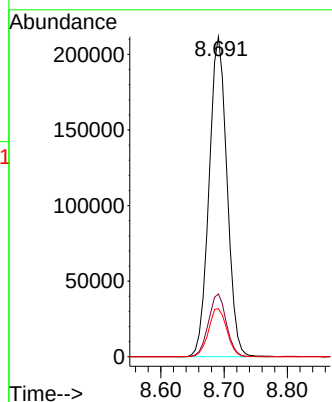
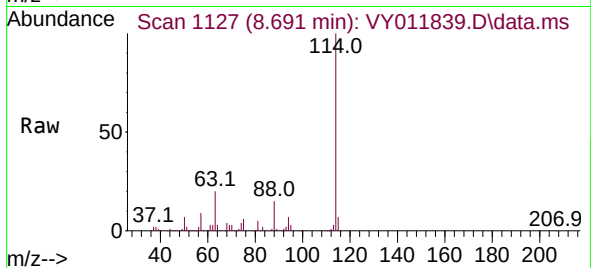
Tgt Ion:114 Resp: 416080

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 15.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 53.298 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011839.D

Acq: 14 Dec 2022 12:55

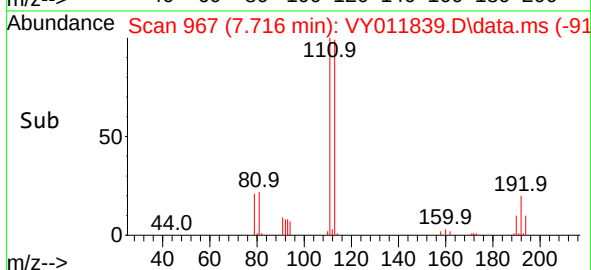
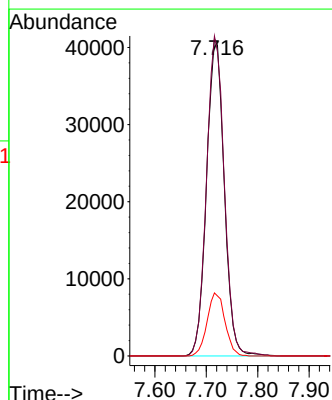
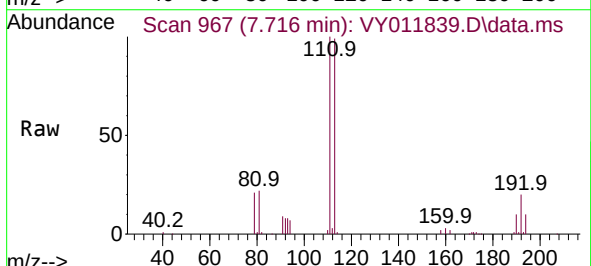
Tgt Ion:113 Resp: 98054

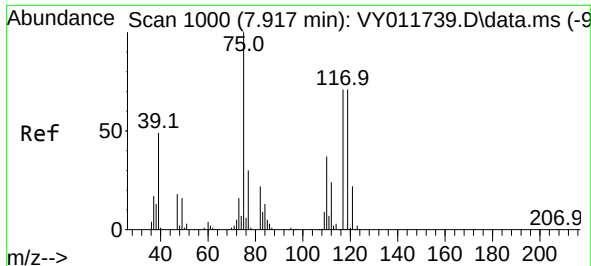
Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.4

192 20.2 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.926 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011839.D

Acq: 14 Dec 2022 12:55

Instrument :

MSVOA_Y

ClientSampleId :

B-29-SB01

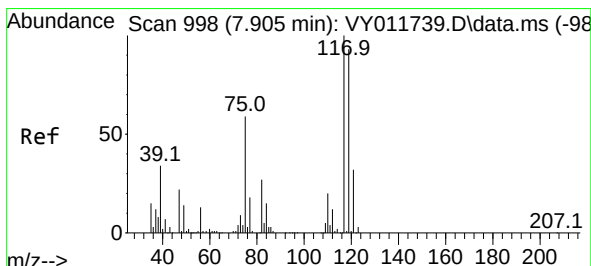
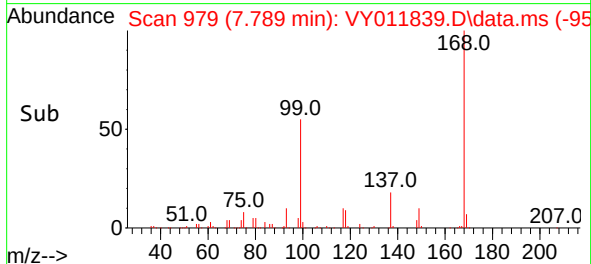
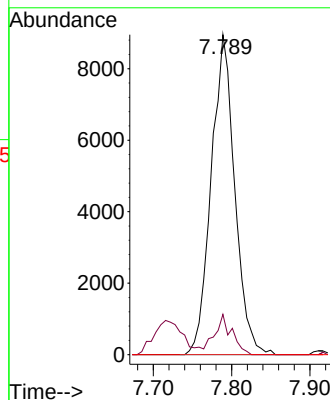
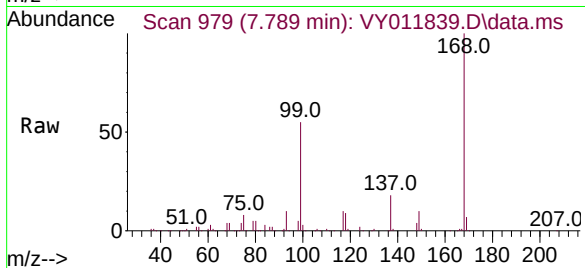
Tgt Ion: 75 Resp: 18711

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.715 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011839.D

Acq: 14 Dec 2022 12:55

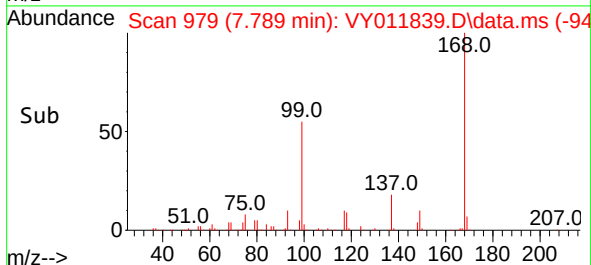
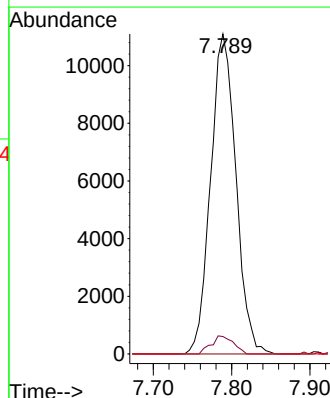
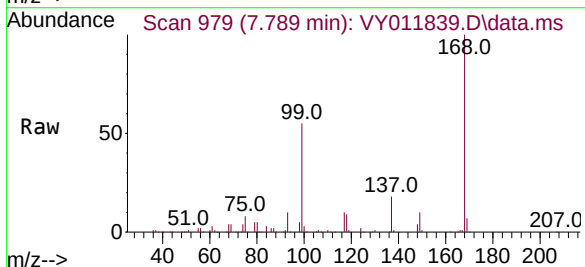
Tgt Ion: 117 Resp: 24905

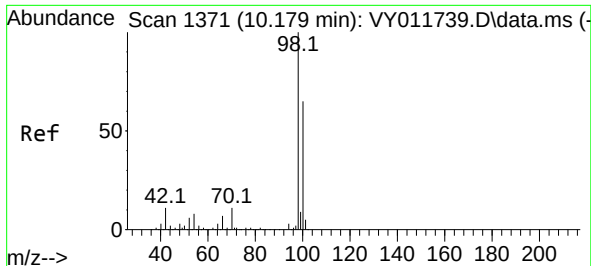
Ion Ratio Lower Upper

117 100

119 5.5 73.8 110.8#

121 0.0 25.2 37.8#

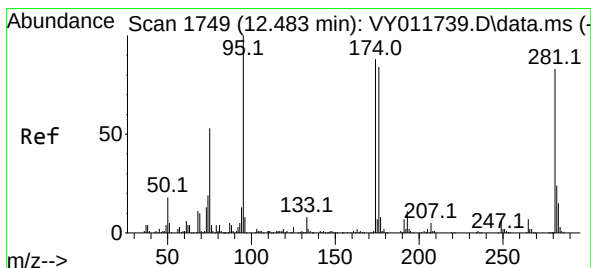
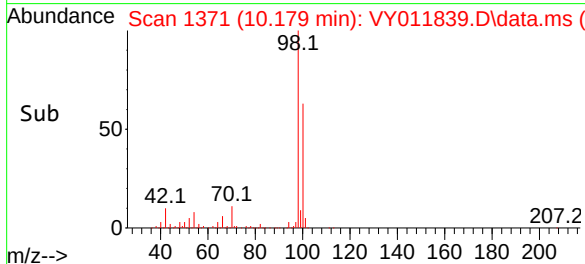
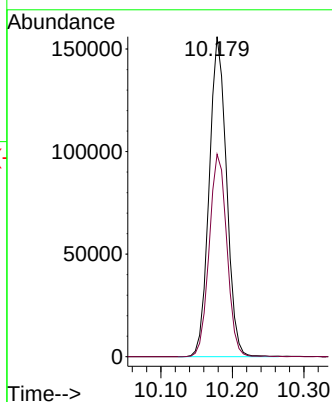
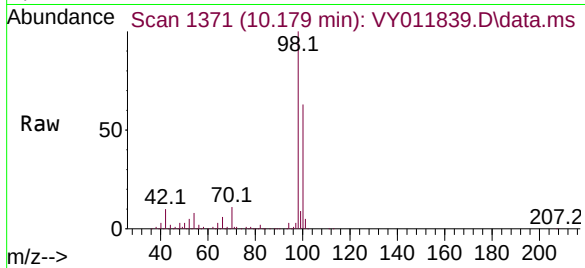




#50
Toluene-d8
Concen: 42.299 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011839.D
Acq: 14 Dec 2022 12:55

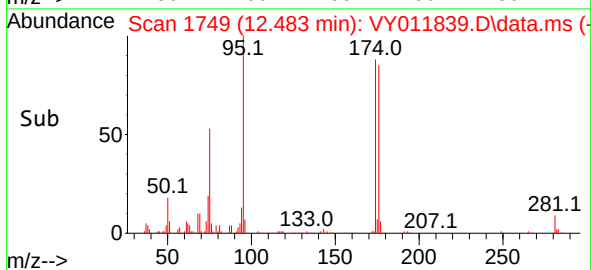
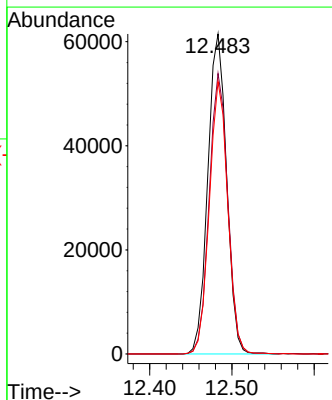
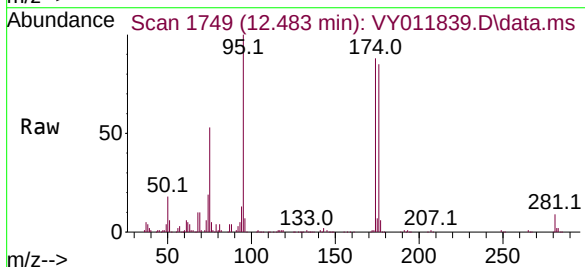
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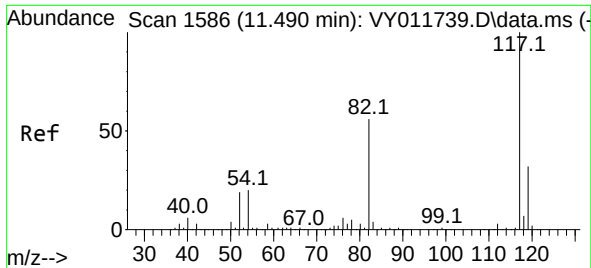
Tgt Ion: 98 Resp: 262566
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 39.500 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011839.D
Acq: 14 Dec 2022 12:55

Tgt Ion: 95 Resp: 97601
Ion Ratio Lower Upper
95 100
174 86.9 0.0 172.0
176 83.4 0.0 167.6

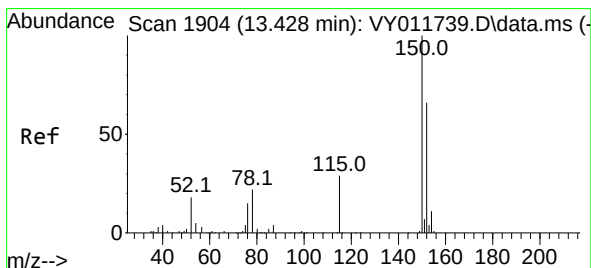
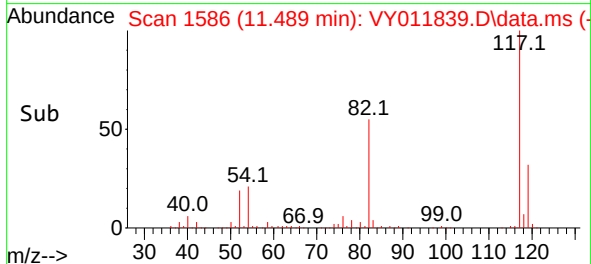
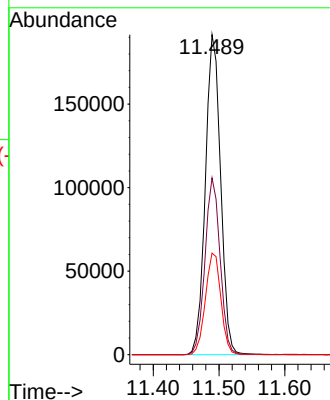
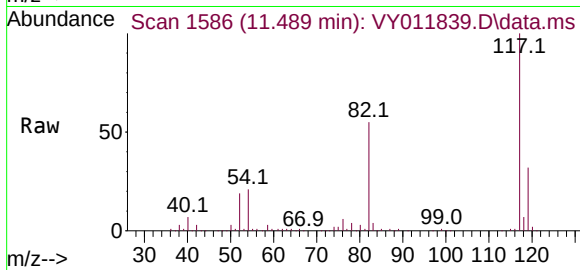




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011839.D
Acq: 14 Dec 2022 12:55

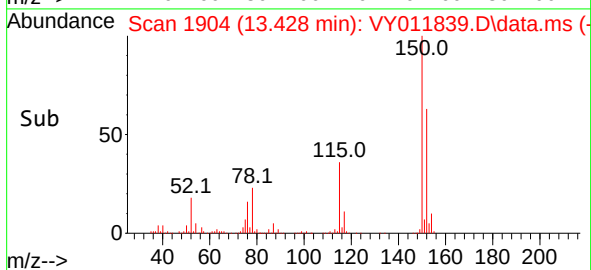
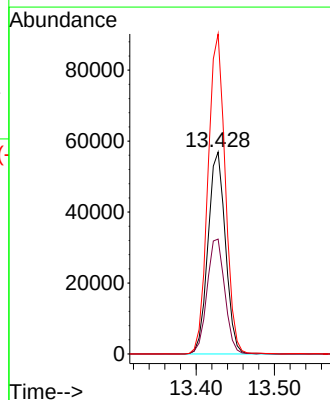
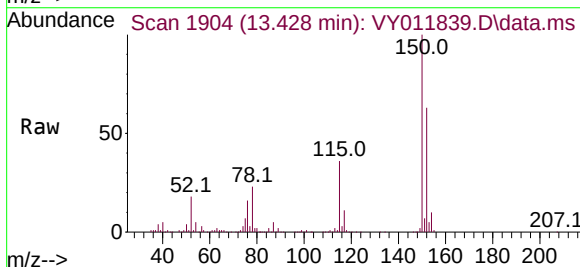
Instrument :
MSVOA_Y
ClientSampleId :
B-29-SB01

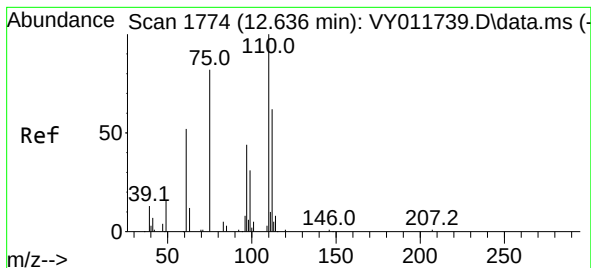
Tgt Ion:117 Resp: 308661
Ion Ratio Lower Upper
117 100
82 55.2 44.8 67.2
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011839.D
Acq: 14 Dec 2022 12:55

Tgt Ion:152 Resp: 87795
Ion Ratio Lower Upper
152 100
115 58.0 29.1 87.3
150 157.0 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 57.474 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY011839.D

Acq: 14 Dec 2022 12:55

Instrument :

MSVOA_Y

ClientSampleId :

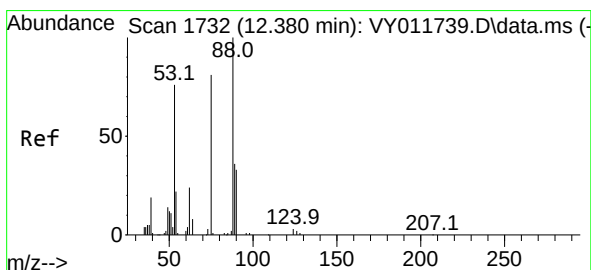
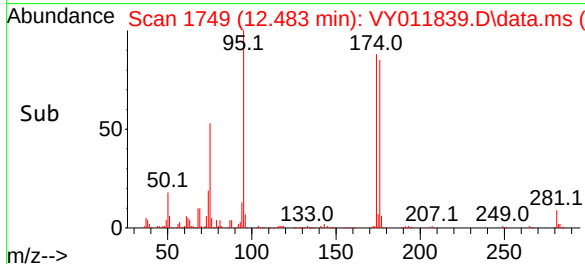
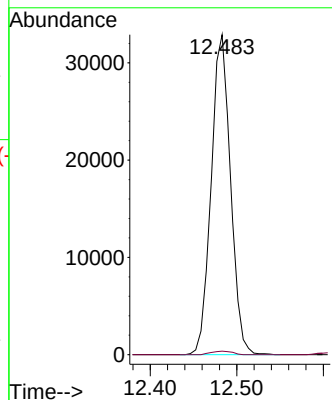
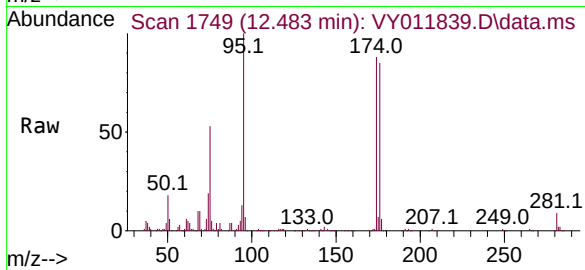
B-29-SB01

Tgt Ion: 75 Resp: 51052

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.421 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY011839.D

Acq: 14 Dec 2022 12:55

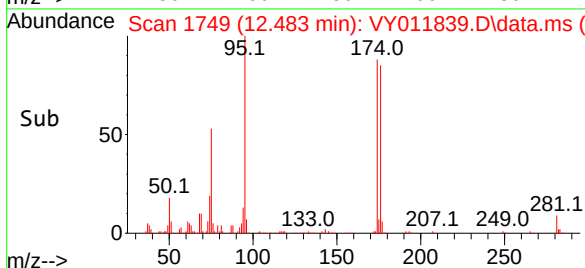
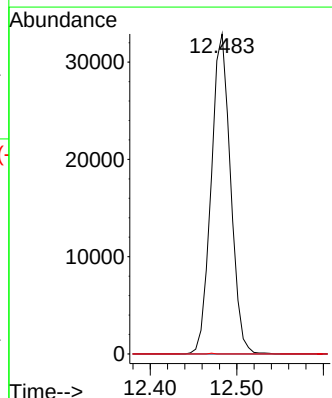
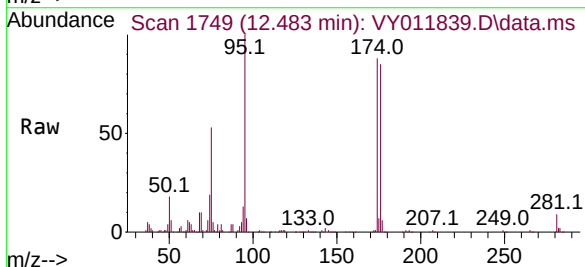
Tgt Ion: 75 Resp: 51052

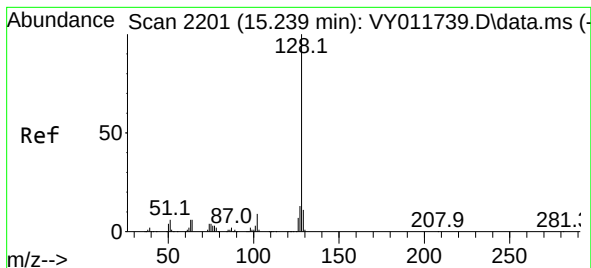
Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 1.448 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY011839.D

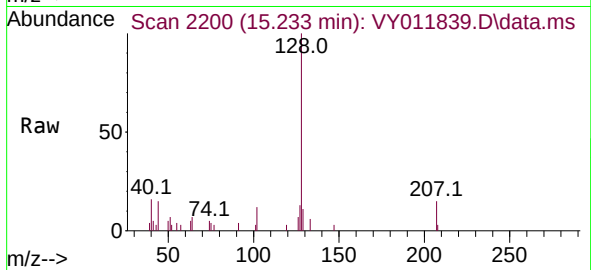
Acq: 14 Dec 2022 12:55

Instrument :

MSVOA_Y

ClientSampleId :

B-29-SB01



Tgt Ion:128 Resp: 3935

Ion Ratio Lower Upper

128 100

127 15.1 10.2 15.2

129 11.9 8.8 13.2

