

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082724\
 Data File : VY019292.D
 Acq On : 27 Aug 2024 17:40
 Operator : SY/MD
 Sample : P3663-09
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 28 01:47:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

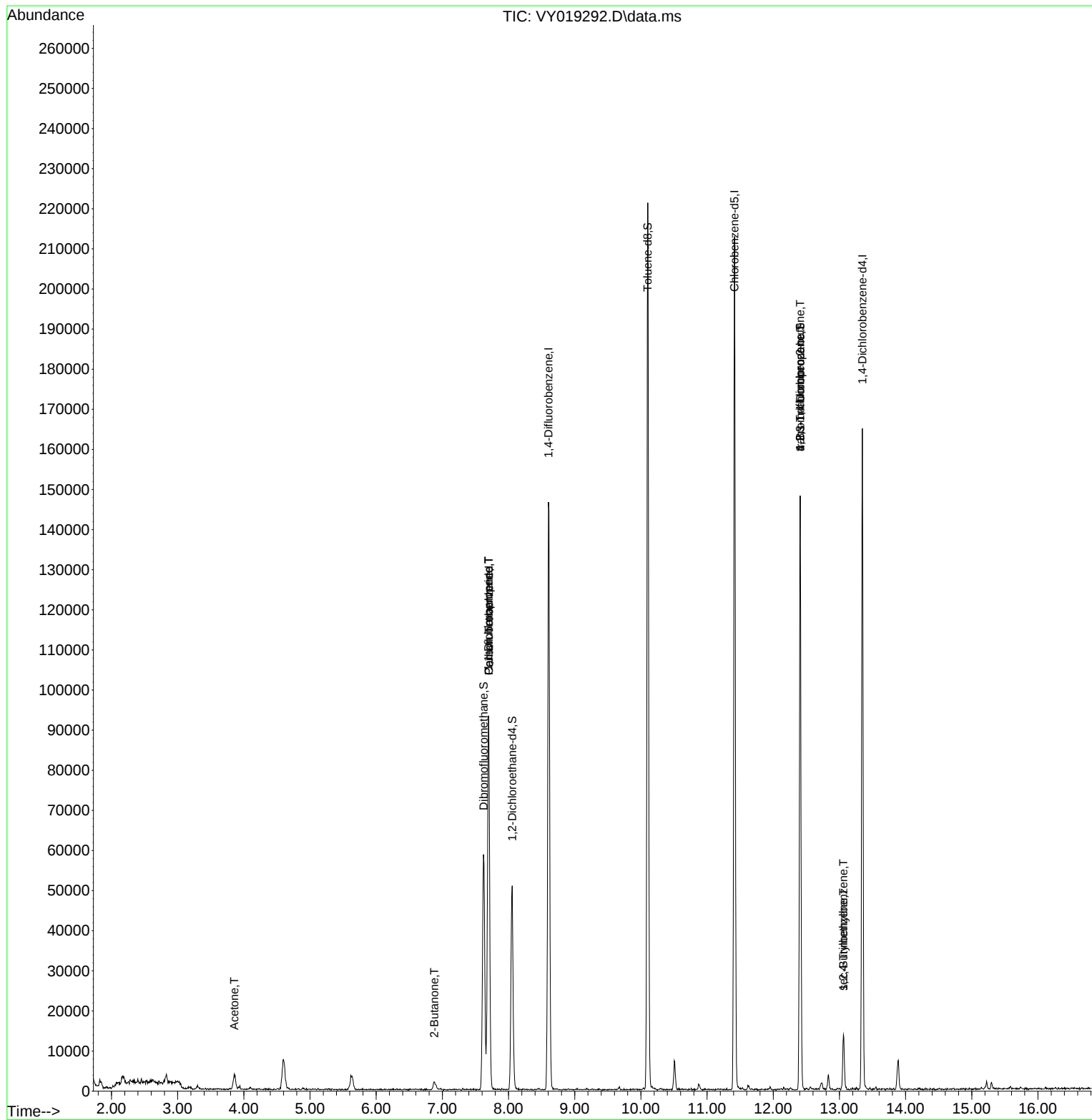
Internal Standards						
1) Pentafluorobenzene	7.701	168	72905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.604	114	126988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	113361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	40734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	39836	54.509	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.020%	
35) Dibromofluoromethane	7.622	113	40945	49.312	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.620%	
50) Toluene-d8	10.103	98	141462	47.343	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.680%	
62) 4-Bromofluorobenzene	12.408	95	42214	41.442	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 82.880%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.580	94	37	Below Cal	#	58
6) Chloroethane	2.763	64	22	Below Cal	#	42
13) Acrolein	3.373	56	19	Below Cal	#	15
16) Acetone	3.854	43	6384	47.103	ug/l	93
20) Methylene Chloride	4.592	84	5534	Below Cal	#	84
25) 2-Butanone	6.878	43	3112	14.258	ug/l	75
31) Cyclohexane	7.695	56	1613	Below Cal	#	1
36) 1,1-Dichloropropene	7.695	75	5653	4.958	ug/l	50
38) Carbon Tetrachloride	7.701	117	7116	5.385	ug/l	15
76) 1,2,3-Trichloropropane	12.408	75	22945	57.118	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.408	75	22945	141.063	ug/l	16
84) 1,2,4-Trimethylbenzene	13.060	105	5533	2.183	ug/l	33
85) sec-Butylbenzene	13.060	105	5533	1.617	ug/l	56

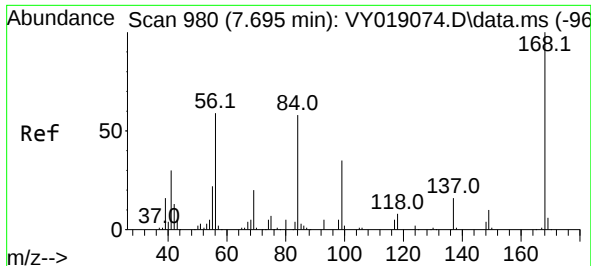
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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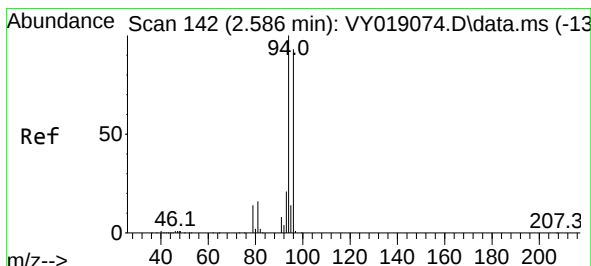
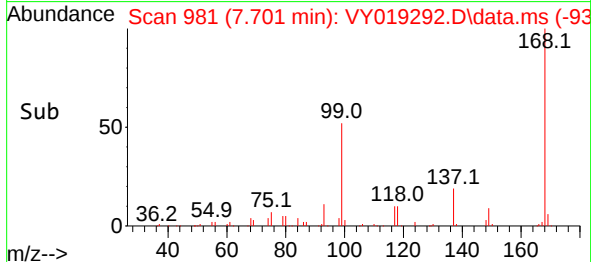
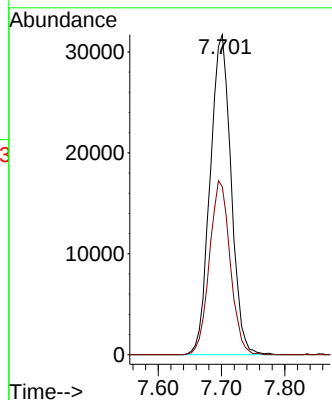
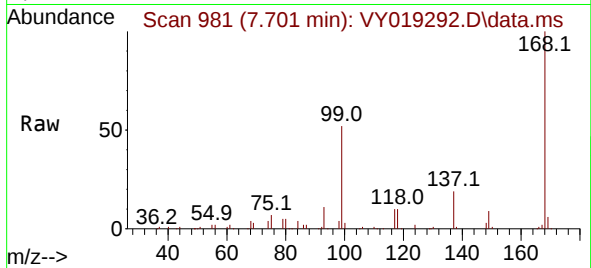




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019292.D
Acq: 27 Aug 2024 17:40

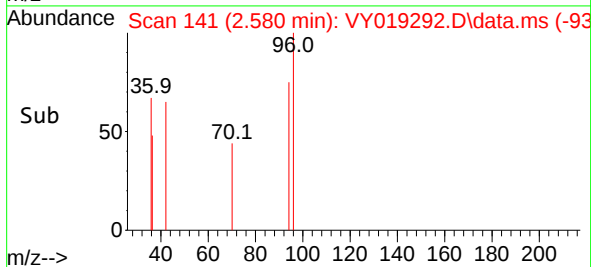
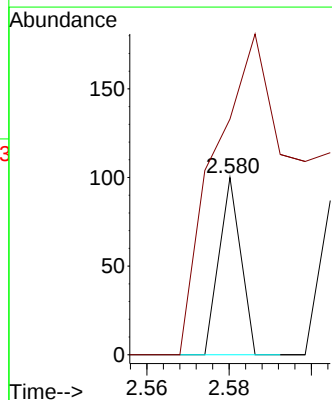
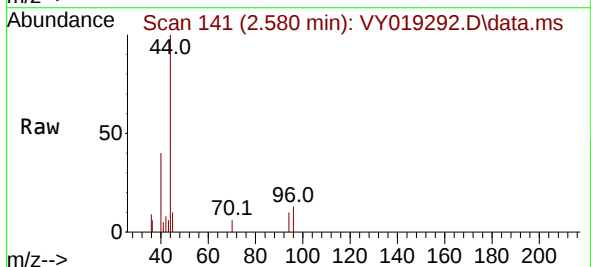
Instrument :
MSVOA_Y
ClientSampleId :

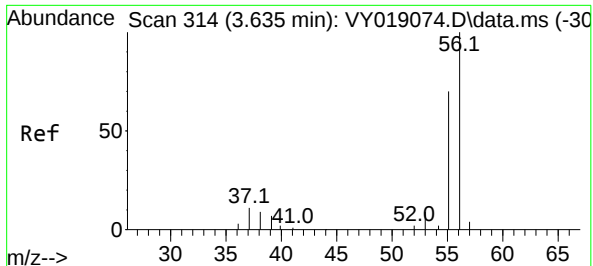
Tgt Ion:168 Resp: 72905
Ion Ratio Lower Upper
168 100
99 52.5 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.580 min Scan# 141
Delta R.T. -0.006 min
Lab File: VY019292.D
Acq: 27 Aug 2024 17:40

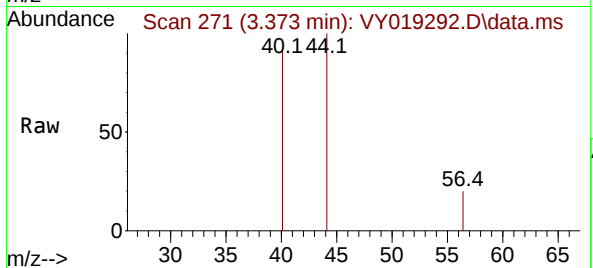
Tgt Ion: 94 Resp: 37
Ion Ratio Lower Upper
94 100
96 133.0 74.1 111.1#



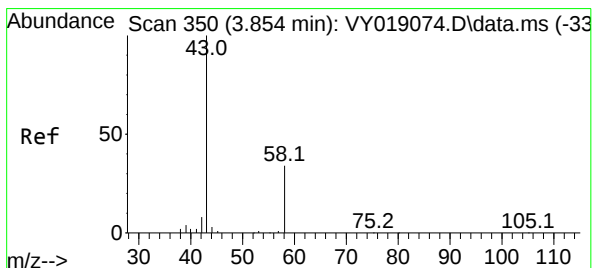
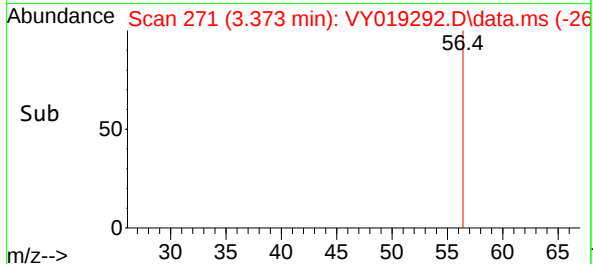
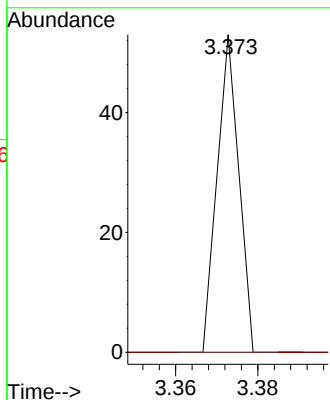


#13
Acrolein
Concen: Below Cal
RT: 3.373 min Scan# 21
Delta R.T. -0.262 min
Lab File: VY019292.D
Acq: 27 Aug 2024 17:40

Instrument :
MSVOA_Y
ClientSampleId :

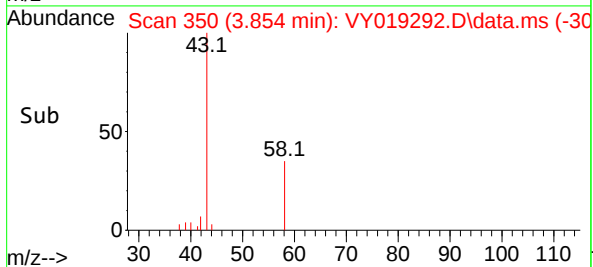
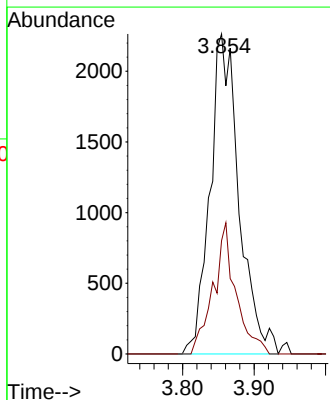
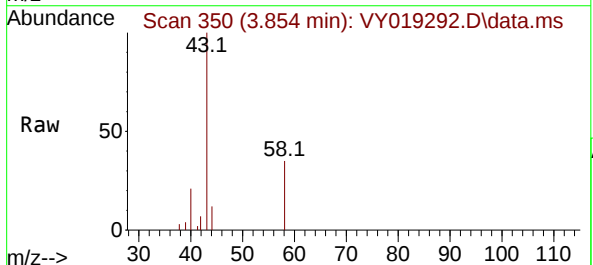


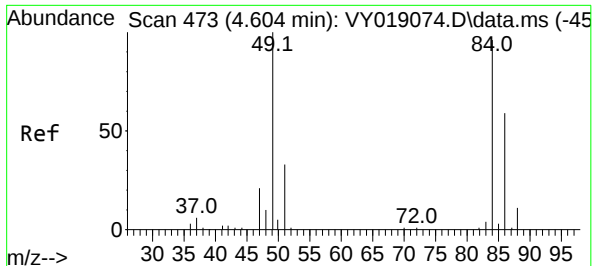
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 47.103 ug/l
RT: 3.854 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY019292.D
Acq: 27 Aug 2024 17:40

Tgt Ion: 43 Resp: 6384
Ion Ratio Lower Upper
43 100
58 35.4 31.7 47.5





#20

Methylene Chloride

Concen: Below Cal

RT: 4.592 min Scan# 41

Delta R.T. -0.012 min

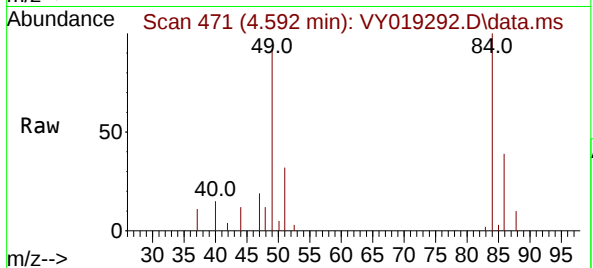
Lab File: VY019292.D

Acq: 27 Aug 2024 17:40

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 5534

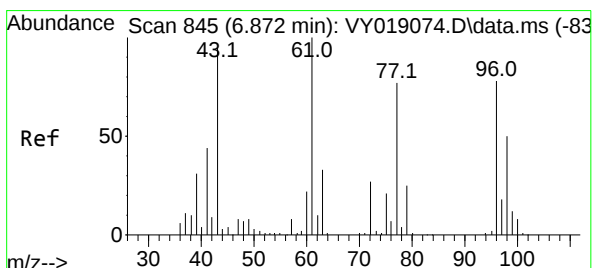
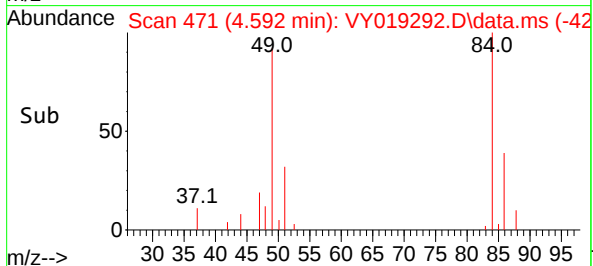
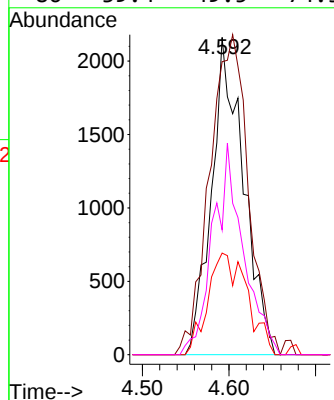
Ion Ratio Lower Upper

84 100

49 92.4 84.4 126.6

51 32.0 26.0 39.0

86 39.4 49.5 74.3#



#25

2-Butanone

Concen: 14.258 ug/l

RT: 6.878 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY019292.D

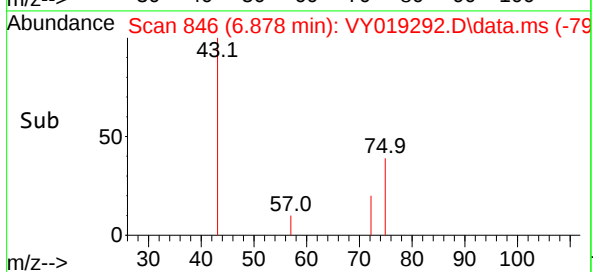
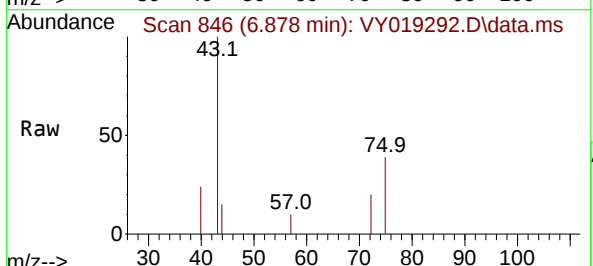
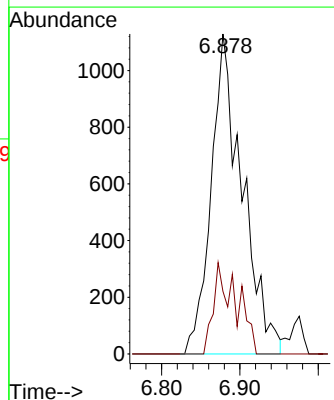
Acq: 27 Aug 2024 17:40

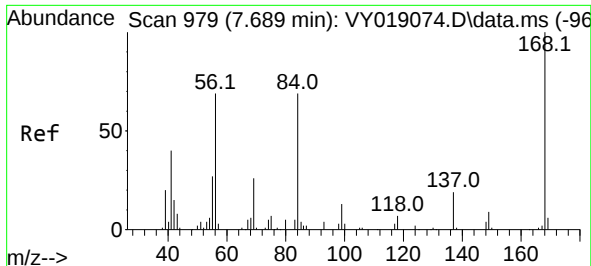
Tgt Ion: 43 Resp: 3112

Ion Ratio Lower Upper

43 100

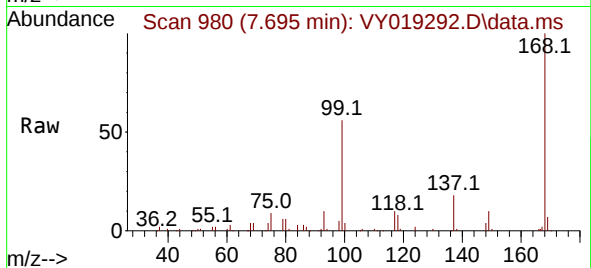
72 19.6 27.3 40.9#



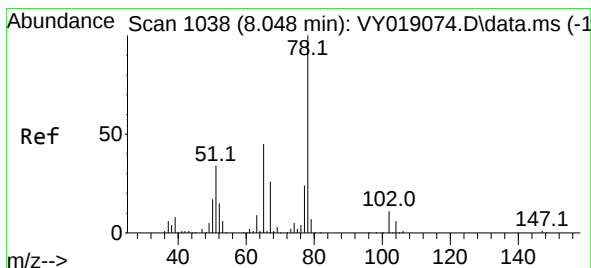
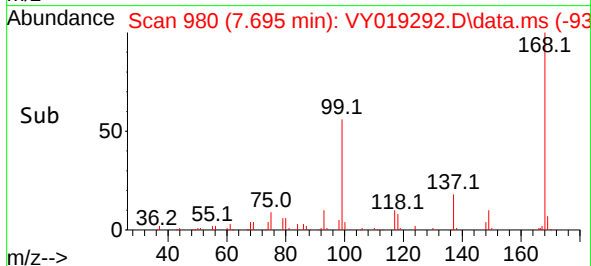
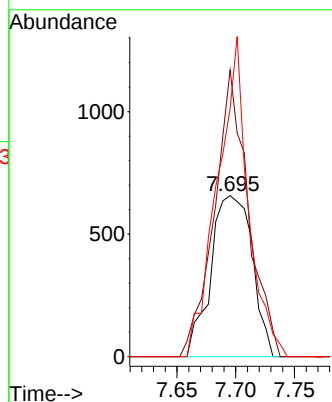


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019292.D
Acq: 27 Aug 2024 17:40

Instrument :
MSVOA_Y
ClientSampleId :

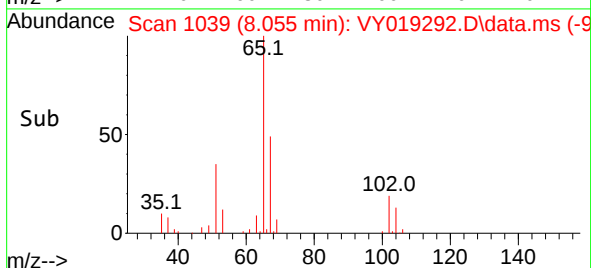
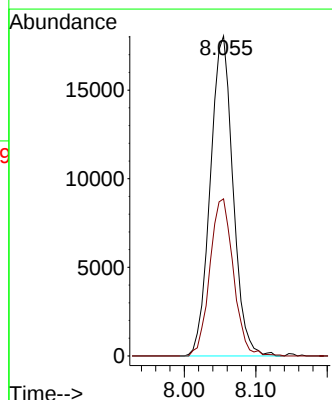
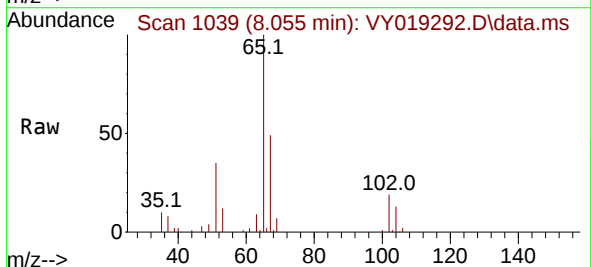


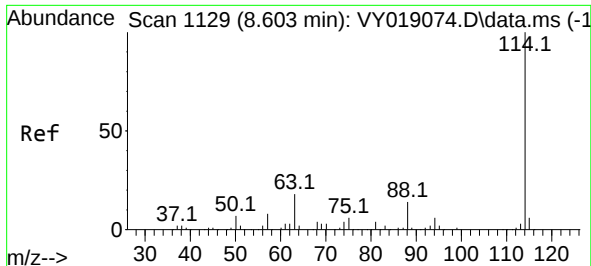
Tgt Ion: 56 Resp: 1613
Ion Ratio Lower Upper
56 100
69 177.8 28.7 43.1#
84 153.8 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 54.509 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019292.D
Acq: 27 Aug 2024 17:40

Tgt Ion: 65 Resp: 39836
Ion Ratio Lower Upper
65 100
67 50.9 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.604 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY019292.D

Acq: 27 Aug 2024 17:40

Instrument :

MSVOA_Y

ClientSampleId :

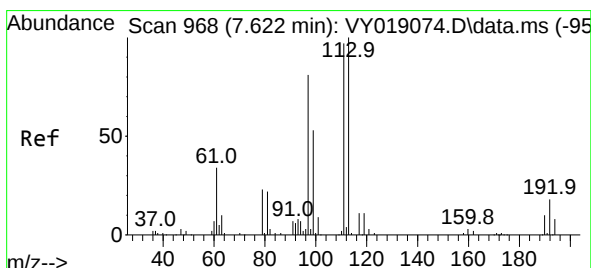
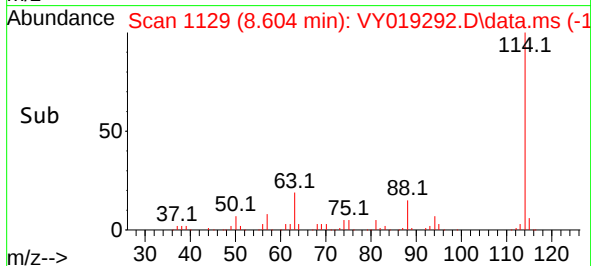
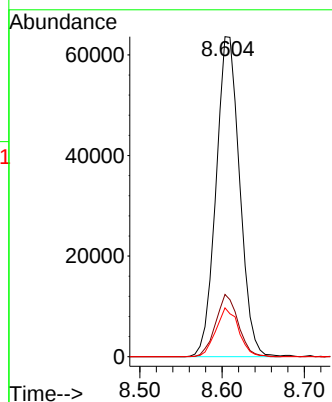
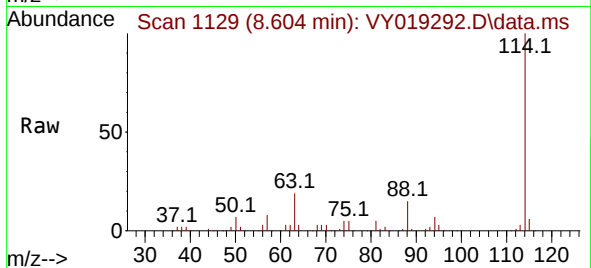
Tgt Ion:114 Resp: 126988

Ion Ratio Lower Upper

114 100

63 19.5 0.0 35.0

88 15.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.312 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019292.D

Acq: 27 Aug 2024 17:40

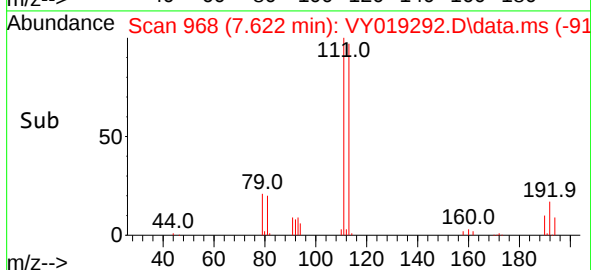
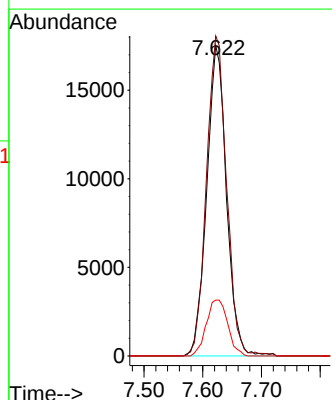
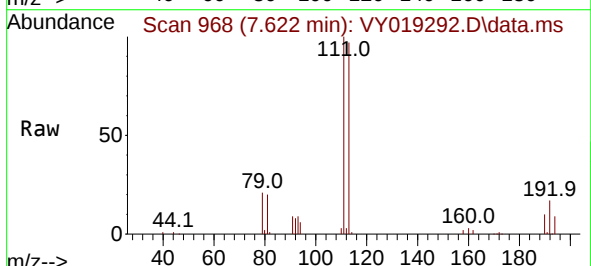
Tgt Ion:113 Resp: 40945

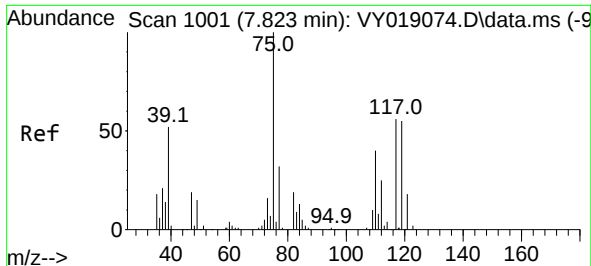
Ion Ratio Lower Upper

113 100

111 104.9 82.2 123.4

192 19.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.958 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY019292.D

Acq: 27 Aug 2024 17:40

Instrument :

MSVOA_Y

ClientSampleId :

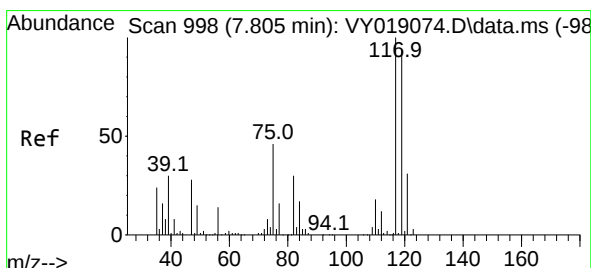
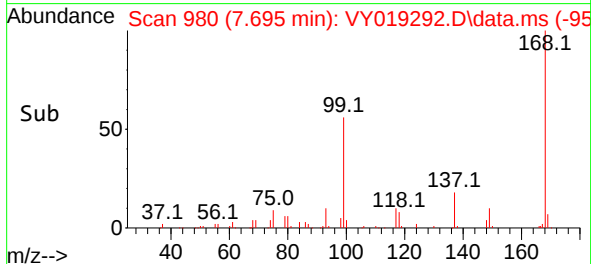
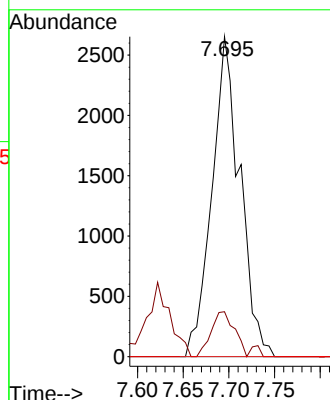
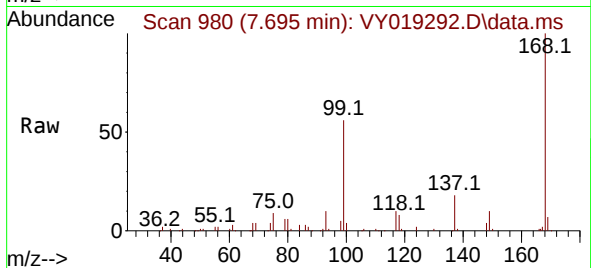
Tgt Ion: 75 Resp: 5653

Ion Ratio Lower Upper

75 100

110 11.7 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.385 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.103 min

Lab File: VY019292.D

Acq: 27 Aug 2024 17:40

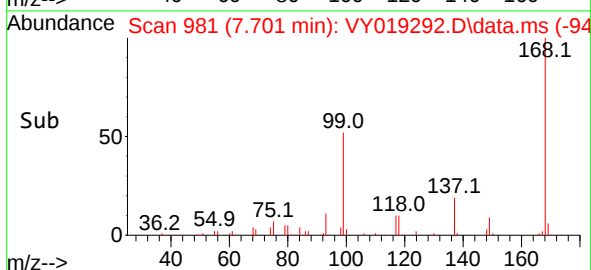
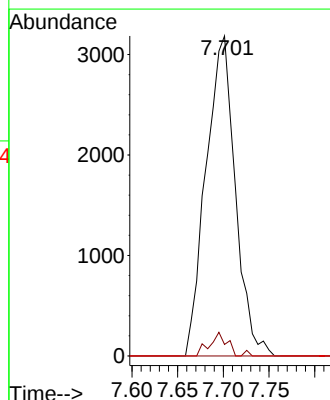
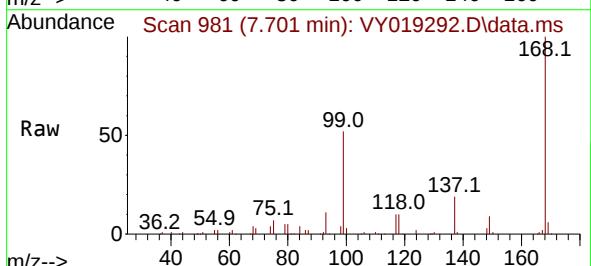
Tgt Ion: 117 Resp: 7116

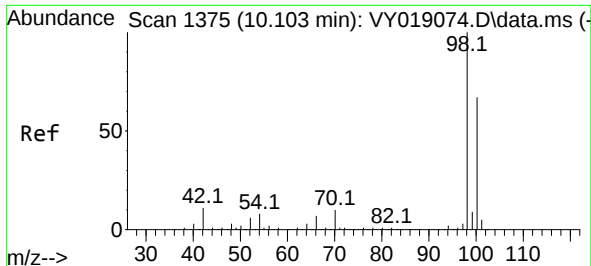
Ion Ratio Lower Upper

117 100

119 3.6 75.8 113.6#

121 0.0 24.0 36.0#

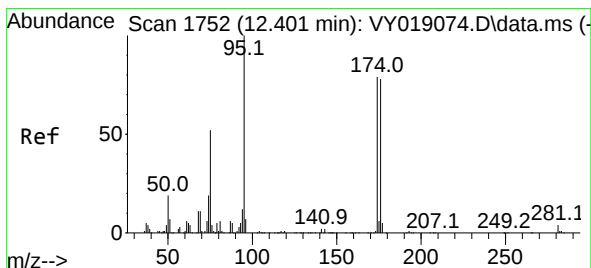
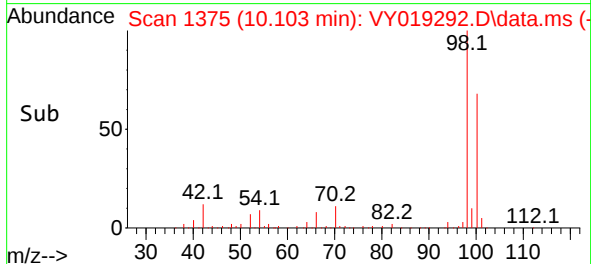
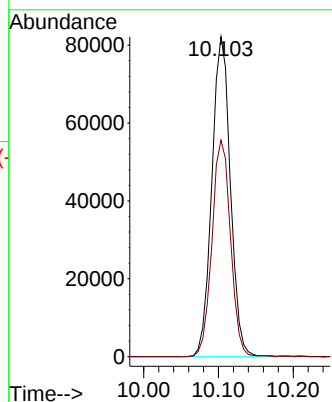
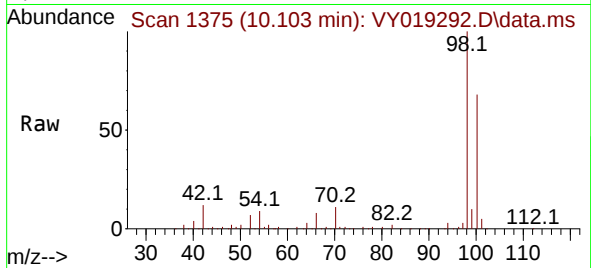




#50
Toluene-d8
Concen: 47.343 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019292.D
Acq: 27 Aug 2024 17:40

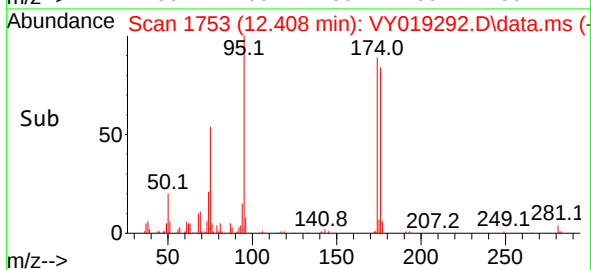
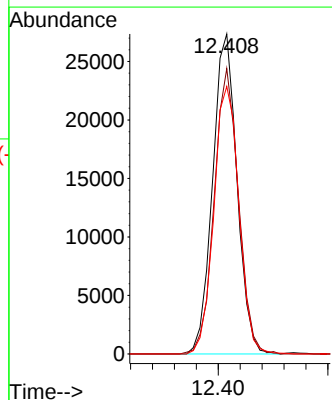
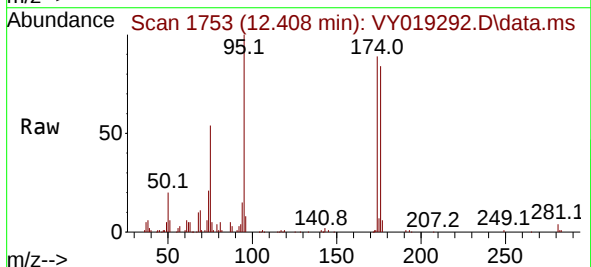
Instrument :
MSVOA_Y
ClientSampleId :

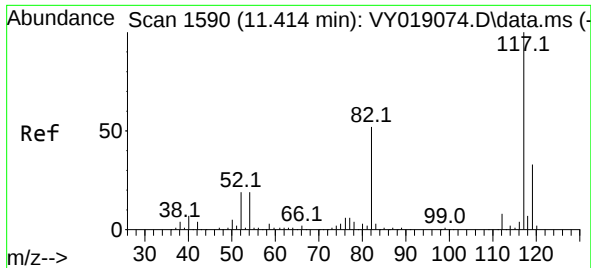
Tgt Ion: 98 Resp: 141462
Ion Ratio Lower Upper
98 100
100 67.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 41.442 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019292.D
Acq: 27 Aug 2024 17:40

Tgt Ion: 95 Resp: 42214
Ion Ratio Lower Upper
95 100
174 88.8 0.0 175.6
176 86.1 0.0 171.4

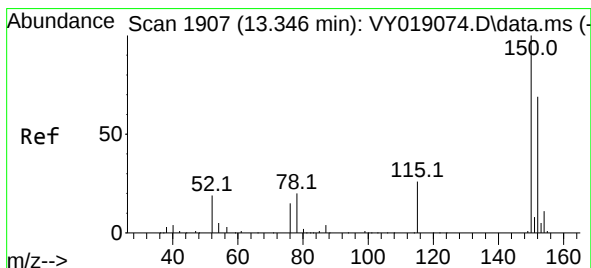
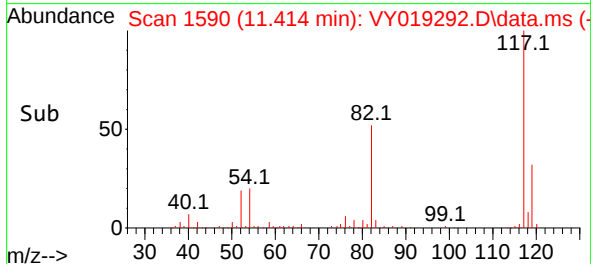
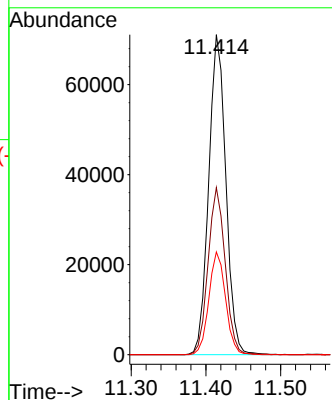
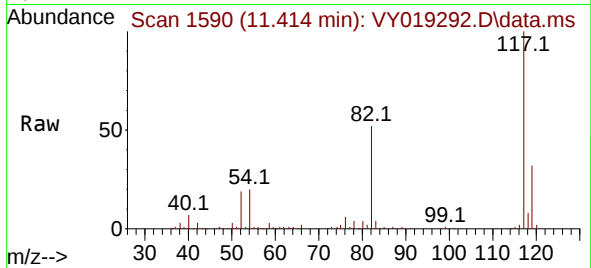




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019292.D
Acq: 27 Aug 2024 17:40

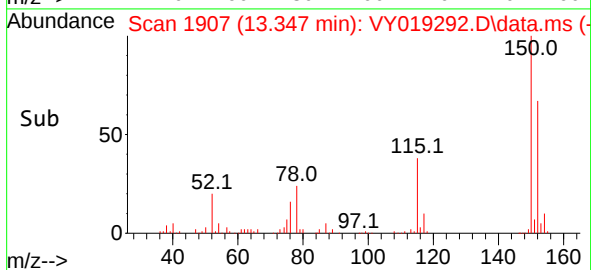
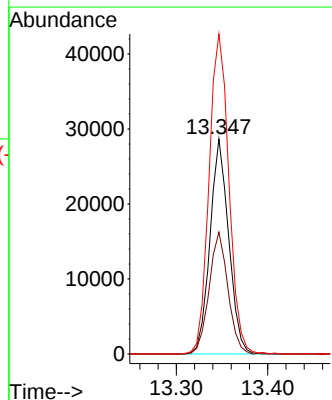
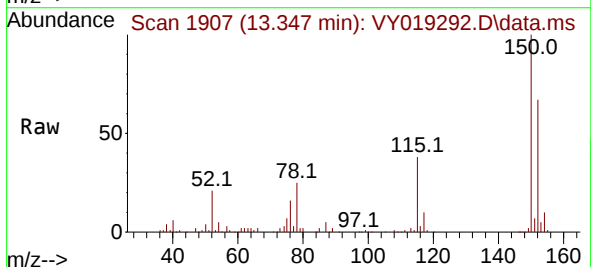
Instrument :
MSVOA_Y
ClientSampleId :

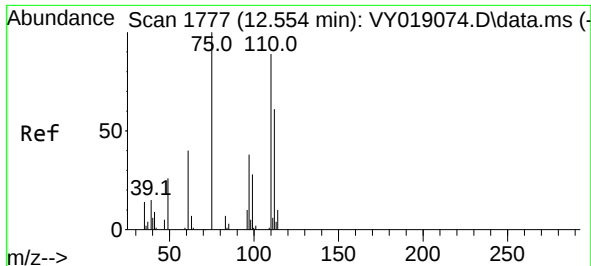
Tgt Ion:117 Resp: 113361
Ion Ratio Lower Upper
117 100
82 52.2 42.4 63.6
119 32.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019292.D
Acq: 27 Aug 2024 17:40

Tgt Ion:152 Resp: 40734
Ion Ratio Lower Upper
152 100
115 57.0 28.2 84.7
150 157.4 0.0 345.6

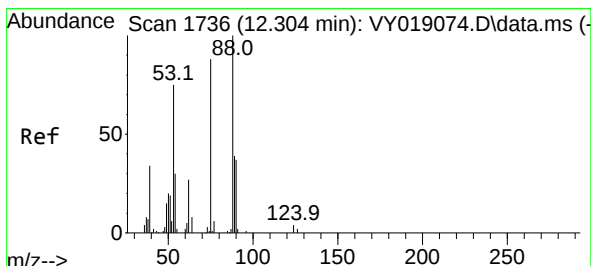
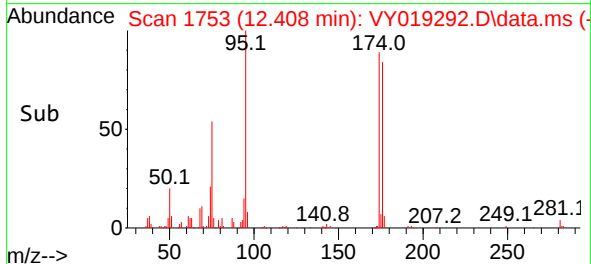
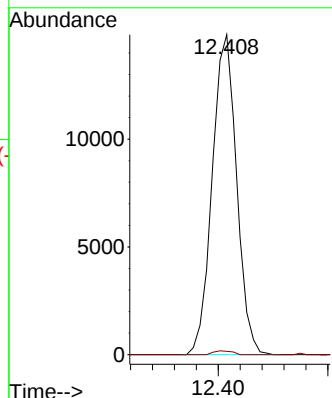
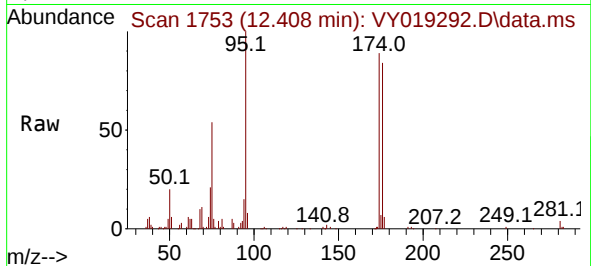




#76
1,2,3-Trichloropropane
Concen: 57.118 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019292.D
Acq: 27 Aug 2024 17:40

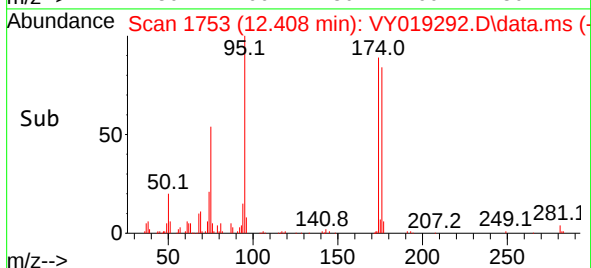
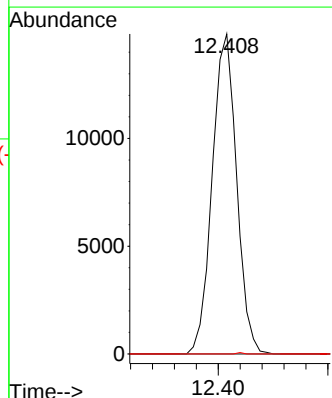
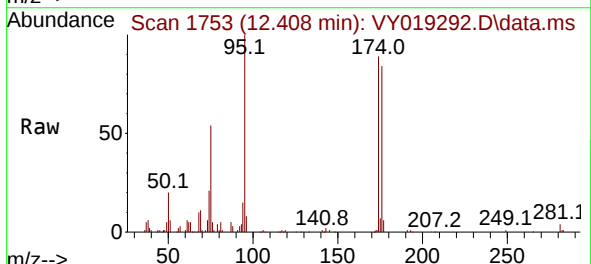
Instrument :
MSVOA_Y
ClientSampleId :

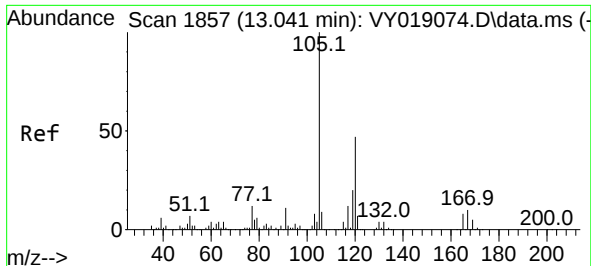
Tgt Ion: 75 Resp: 22945
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.063 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019292.D
Acq: 27 Aug 2024 17:40

Tgt Ion: 75 Resp: 22945
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#

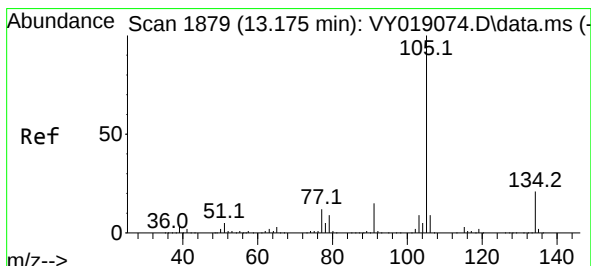
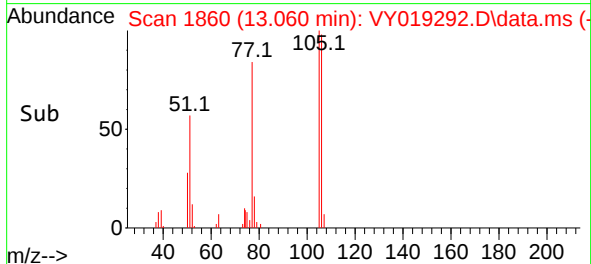
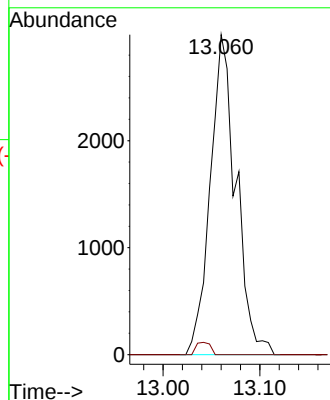
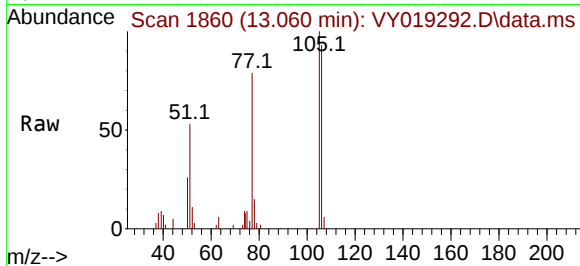




#84
1,2,4-Trimethylbenzene
Concen: 2.183 ug/l
RT: 13.060 min Scan# 1860
Delta R.T. 0.019 min
Lab File: VY019292.D
Acq: 27 Aug 2024 17:40

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 5533
Ion Ratio Lower Upper
105 100
120 2.1 23.2 69.6#



#85
sec-Butylbenzene
Concen: 1.617 ug/l
RT: 13.060 min Scan# 1860
Delta R.T. -0.115 min
Lab File: VY019292.D
Acq: 27 Aug 2024 17:40

Tgt Ion:105 Resp: 5533
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#

