

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014780.D
 Acq On : 24 Jul 2023 18:17
 Operator : SY/MD
 Sample : 03719-04
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P22B

Quant Time: Jul 25 01:31:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	143	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.679	114	172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	262	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	27	50.000	ug/l	# 0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	189	115.984	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	231.960%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.185	98	412	102.064	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	204.120%#
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	30 - 143	Recovery	=	0.000%#

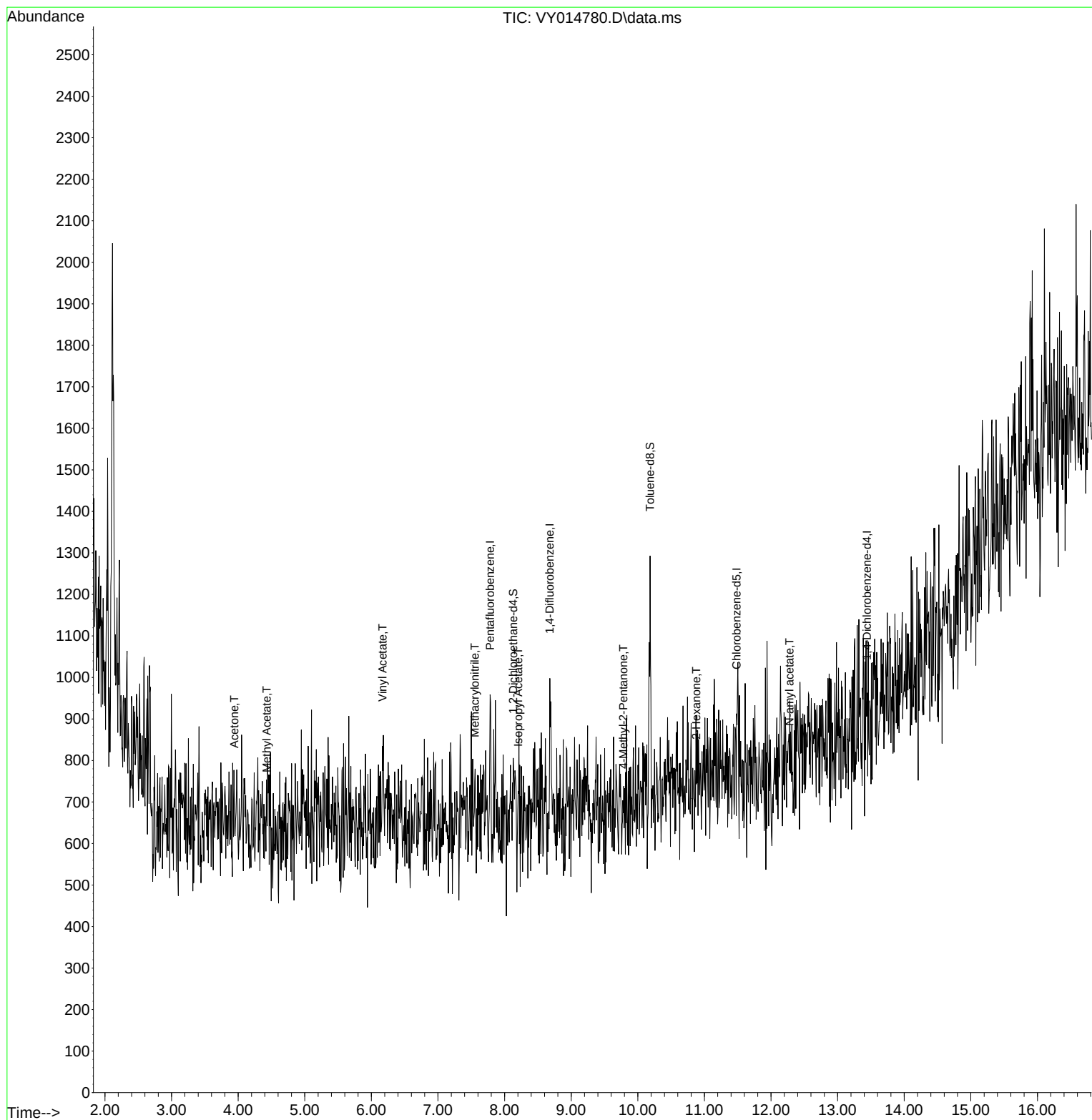
Target Compounds						Qvalue
16) Acetone	3.942	43	54	104.574	ug/l	# 46
18) Methyl Acetate	4.430	43	25	12.616	ug/l	# 54
23) Vinyl Acetate	6.167	43	23	7.561	ug/l	# 74
41) Methacrylonitrile	7.551	41	40	68.982	ug/l	# 17
43) Isopropyl Acetate	8.203	43	34	15.832	ug/l	# 55
51) 4-Methyl-2-Pentanone	9.782	43	23	20.399	ug/l	# 39
59) 2-Hexanone	10.880	43	18	21.891	ug/l	# 27
74) N-amyl acetate	12.276	43	19	26.834	ug/l	# 46

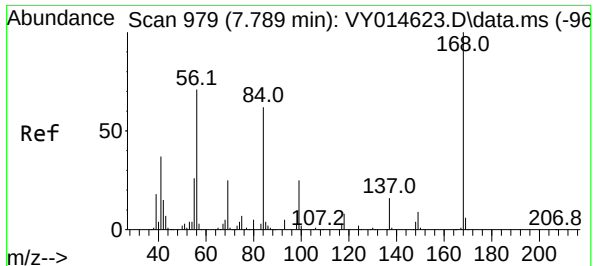
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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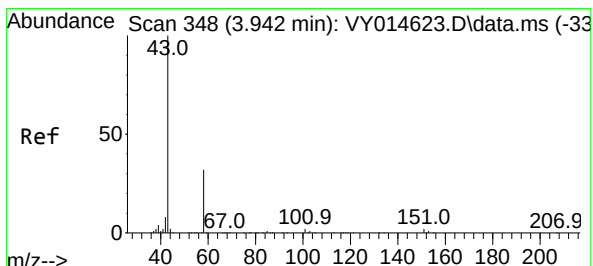
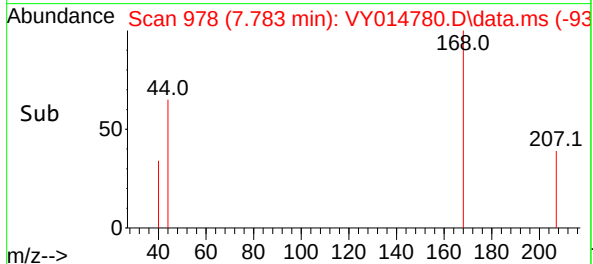
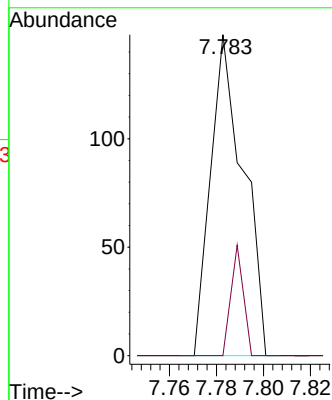
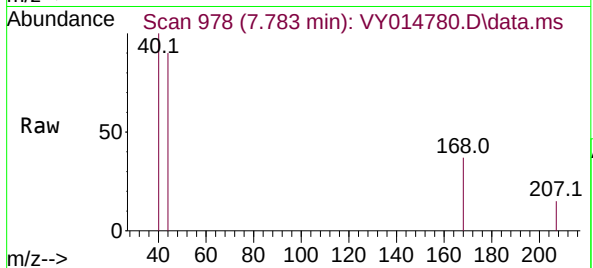




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014780.D
Acq: 24 Jul 2023 18:17

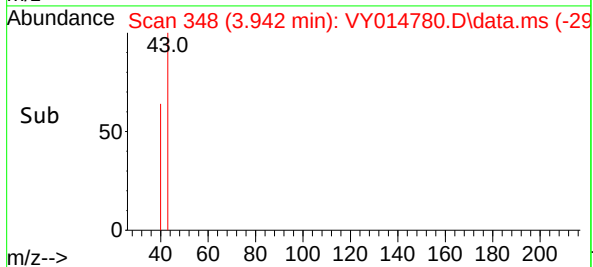
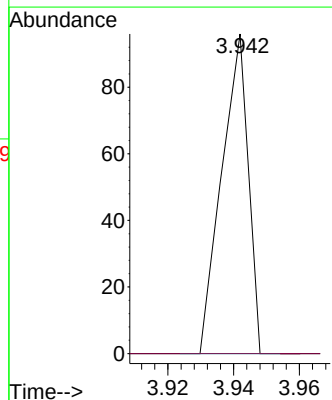
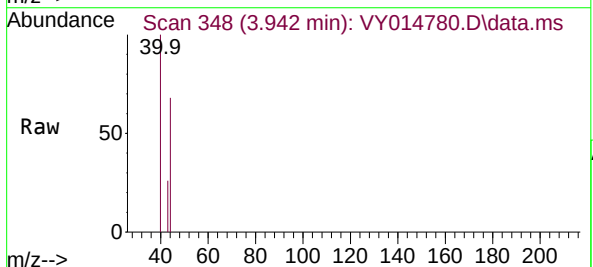
Instrument :
MSVOA_Y
ClientSampleId :
B-P22B

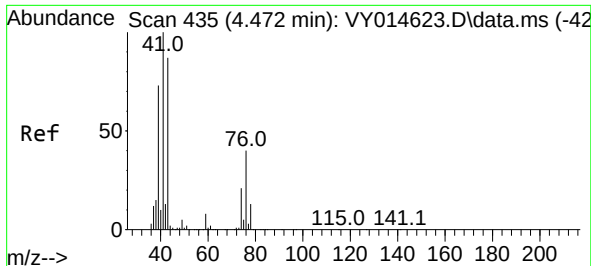
Tgt Ion:168 Resp: 143
Ion Ratio Lower Upper
168 100
99 0.0 43.4 65.0#



#16
Acetone
Concen: 104.574 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY014780.D
Acq: 24 Jul 2023 18:17

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#

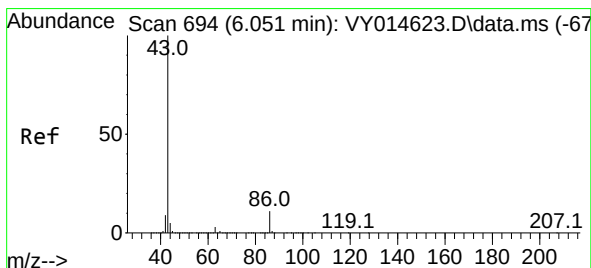
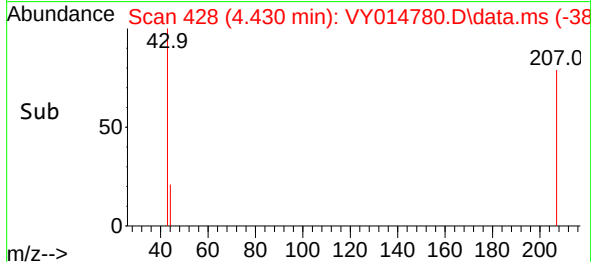
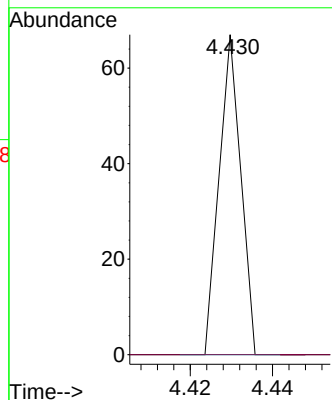
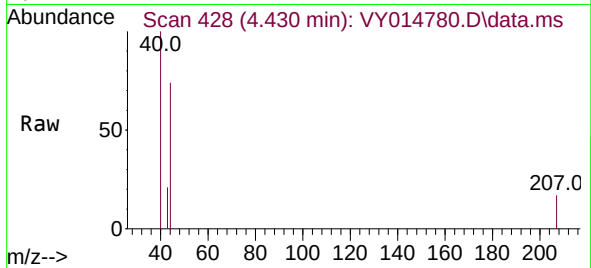




#18
Methyl Acetate
Concen: 12.616 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.042 min
Lab File: VY014780.D
Acq: 24 Jul 2023 18:17

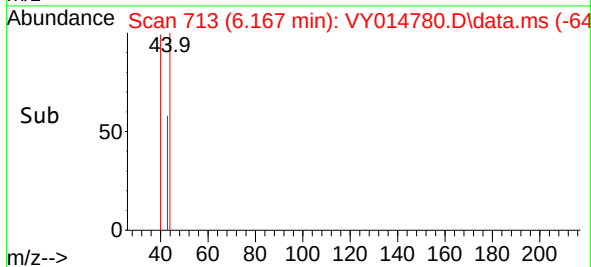
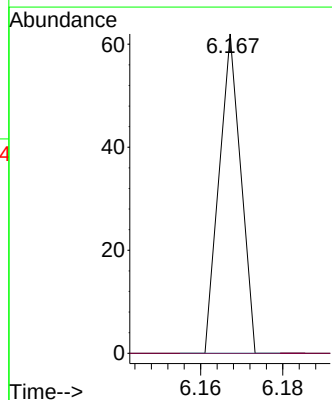
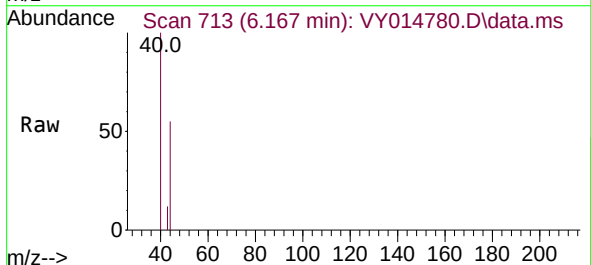
Instrument :
MSVOA_Y
ClientSampleId :
B-P22B

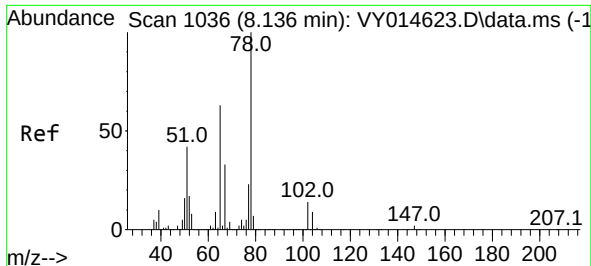
Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#23
Vinyl Acetate
Concen: 7.561 ug/l
RT: 6.167 min Scan# 713
Delta R.T. 0.116 min
Lab File: VY014780.D
Acq: 24 Jul 2023 18:17

Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
86 0.0 7.5 11.3#





#33

1,2-Dichloroethane-d4

Concen: 115.984 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014780.D

Acq: 24 Jul 2023 18:17

Instrument :

MSVOA_Y

ClientSampleId :

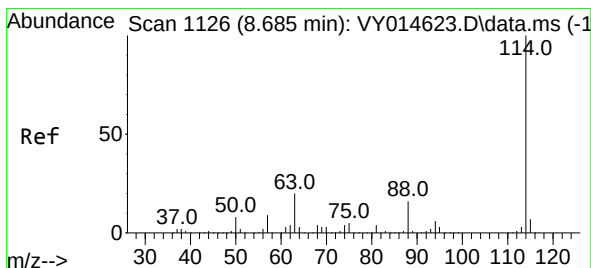
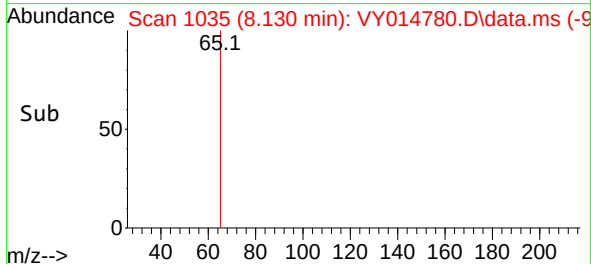
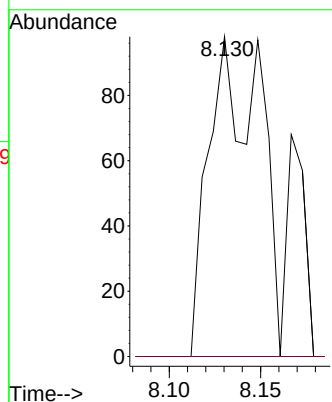
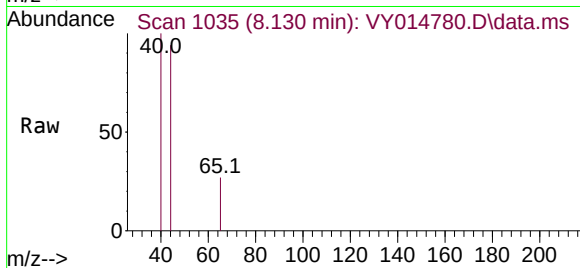
B-P22B

Tgt Ion: 65 Resp: 189

Ion Ratio Lower Upper

65 100

67 0.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VY014780.D

Acq: 24 Jul 2023 18:17

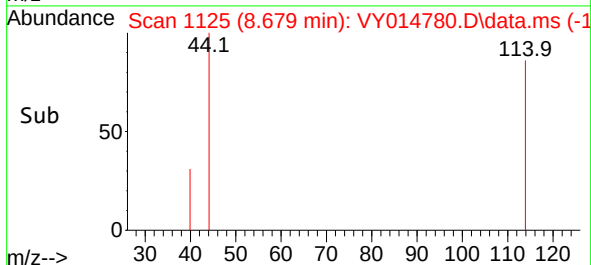
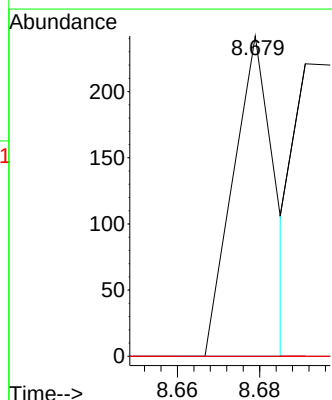
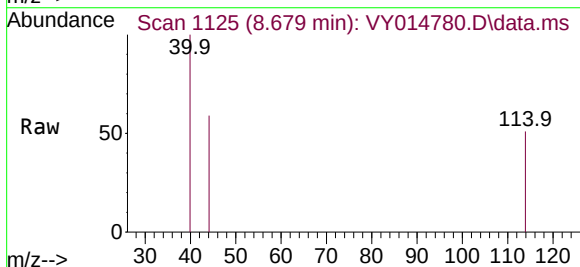
Tgt Ion:114 Resp: 172

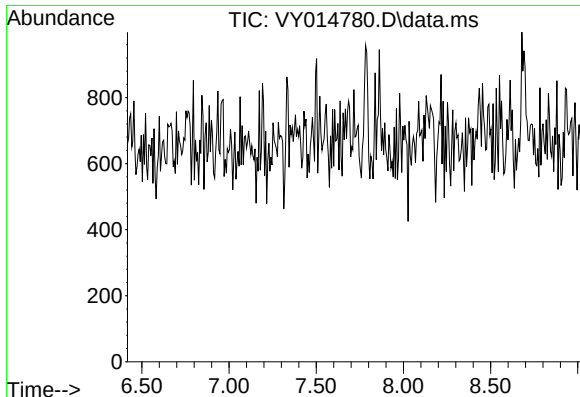
Ion Ratio Lower Upper

114 100

63 0.0 0.0 42.4

88 0.0 0.0 30.6

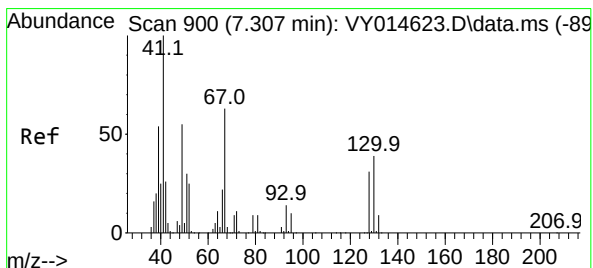
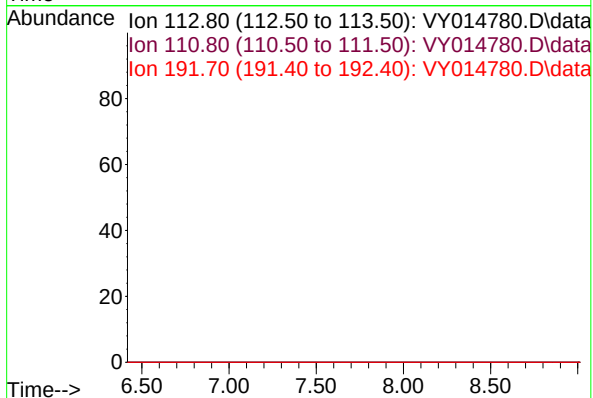




#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.72 min
 Lab File: VY014780.D
 Acq: 24 Jul 2023 18:17

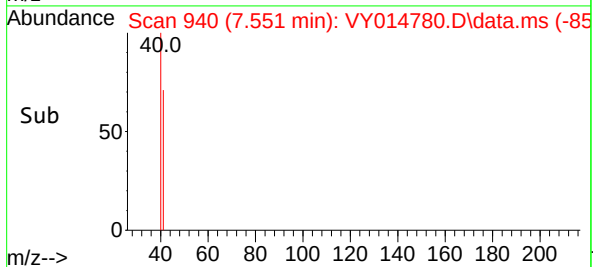
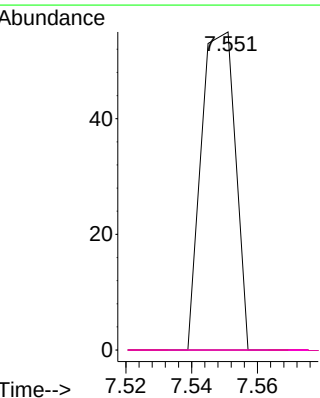
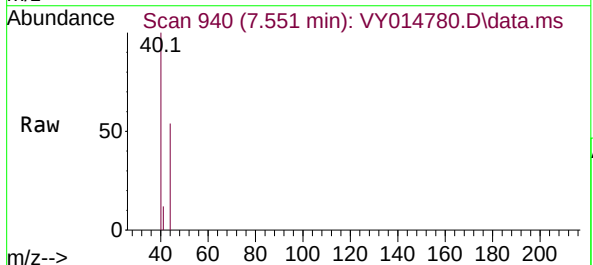
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P22B

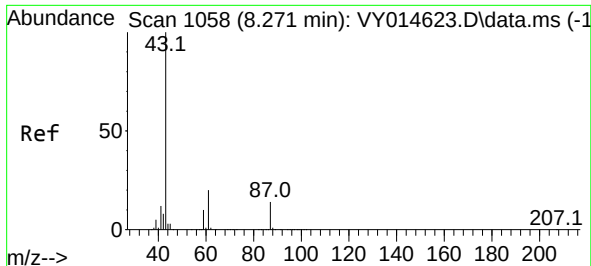
Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 101.6
 192 21.1



#41
 Methacrylonitrile
 Concen: 68.982 ug/l
 RT: 7.551 min Scan# 940
 Delta R.T. 0.244 min
 Lab File: VY014780.D
 Acq: 24 Jul 2023 18:17

Tgt Ion: 41 Resp: 40
 Ion Ratio Lower Upper
 41 100
 39 0.0 52.1 78.1#
 67 0.0 66.2 99.2#
 52 0.0 29.9 44.9#





#43

Isopropyl Acetate

Concen: 15.832 ug/l

RT: 8.203 min Scan# 1047

Delta R.T. -0.068 min

Lab File: VY014780.D

Acq: 24 Jul 2023 18:17

Instrument :

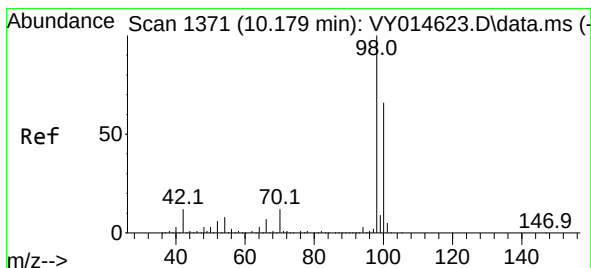
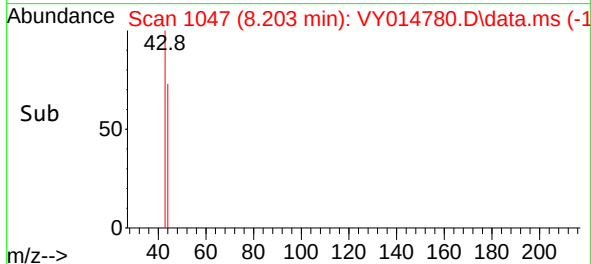
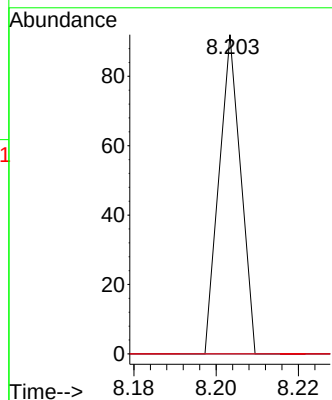
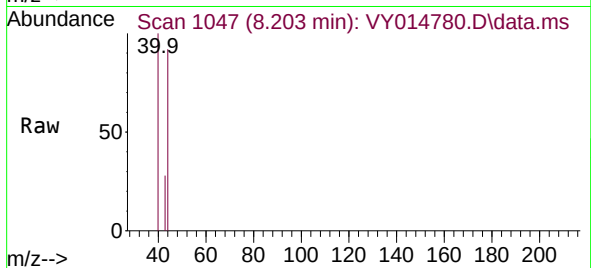
MSVOA_Y

ClientSampleId :

B-P22B

Tgt Ion: 43 Resp: 34

Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.1	31.7#
87	0.0	9.8	14.8#



#50

Toluene-d8

Concen: 102.064 ug/l

RT: 10.185 min Scan# 1372

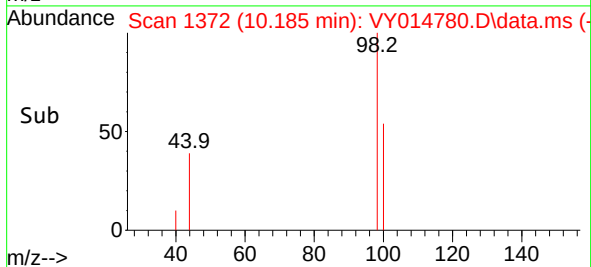
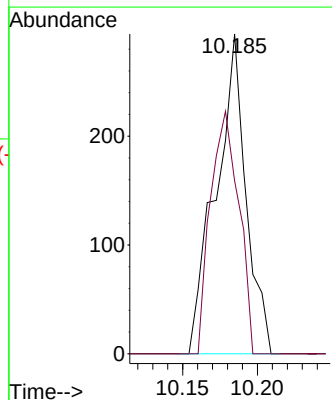
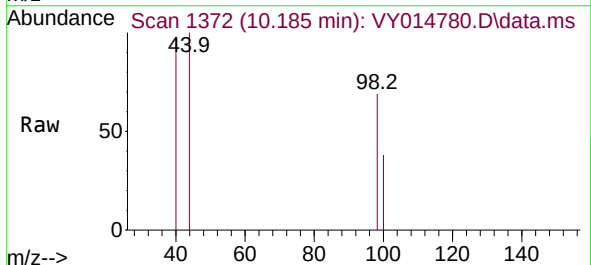
Delta R.T. 0.006 min

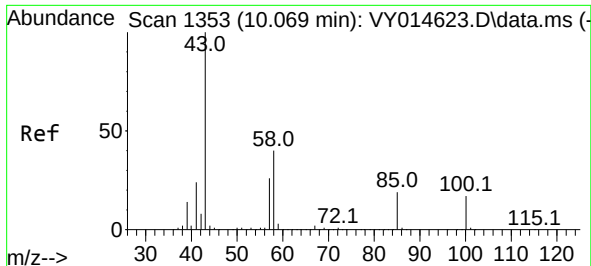
Lab File: VY014780.D

Acq: 24 Jul 2023 18:17

Tgt Ion: 98 Resp: 412

Ion	Ratio	Lower	Upper
98	100		
100	70.9	50.1	75.1

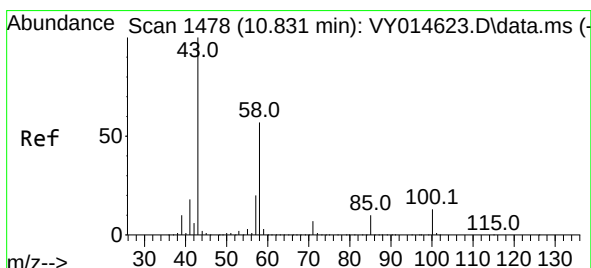
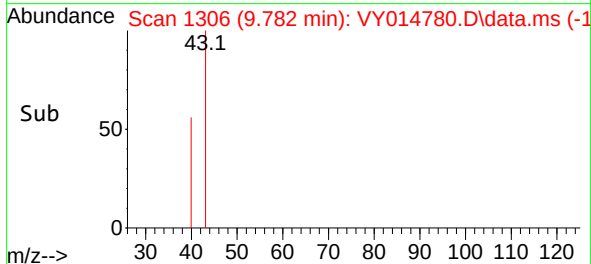
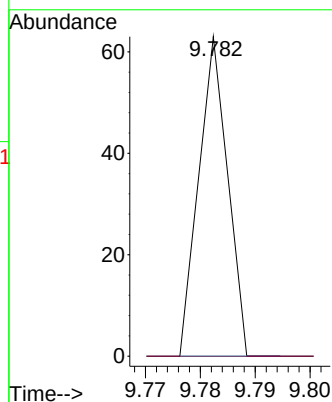
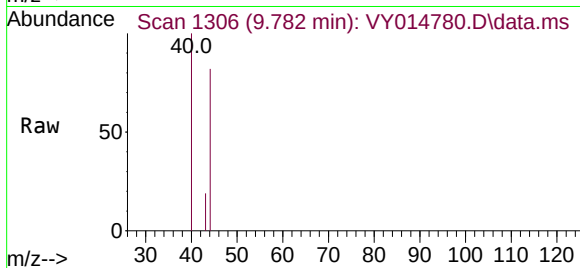




#51
4-Methyl-2-Pentanone
Concen: 20.399 ug/l
RT: 9.782 min Scan# 11
Delta R.T. -0.287 min
Lab File: VY014780.D
Acq: 24 Jul 2023 18:17

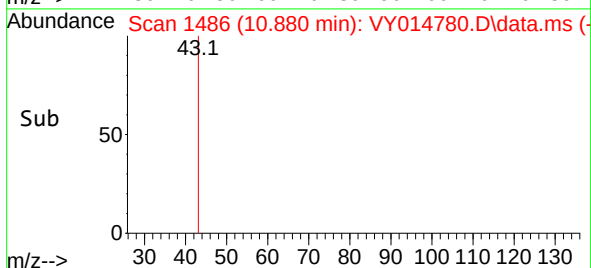
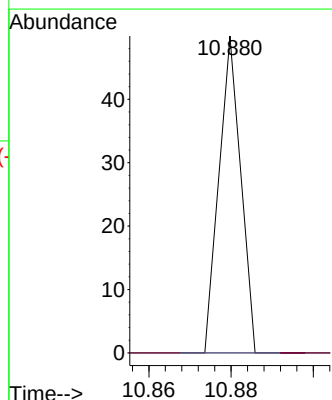
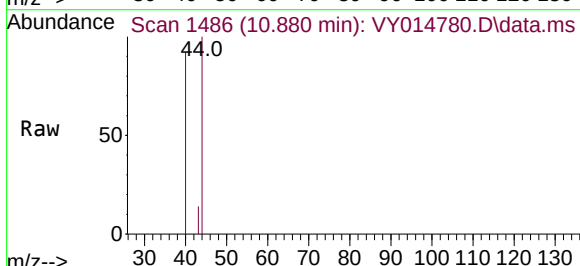
Instrument :
MSVOA_Y
ClientSampleId :
B-P22B

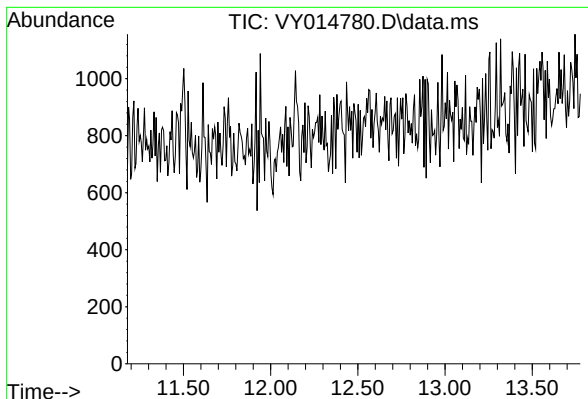
Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



#59
2-Hexanone
Concen: 21.891 ug/l
RT: 10.880 min Scan# 1486
Delta R.T. 0.049 min
Lab File: VY014780.D
Acq: 24 Jul 2023 18:17

Tgt Ion: 43 Resp: 18
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#



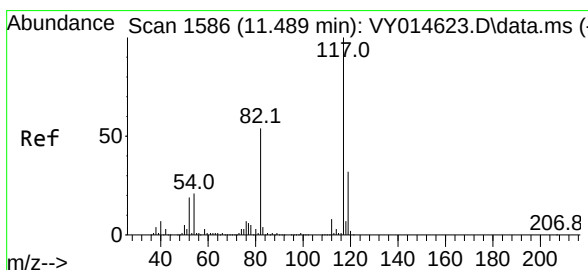
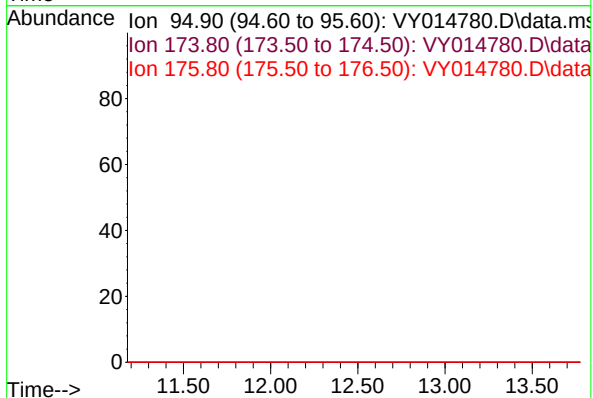


#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.48 min
 Lab File: VY014780.D
 Acq: 24 Jul 2023 18:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P22B

Tgt Ion: 95

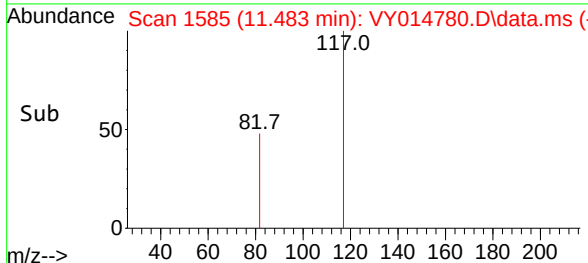
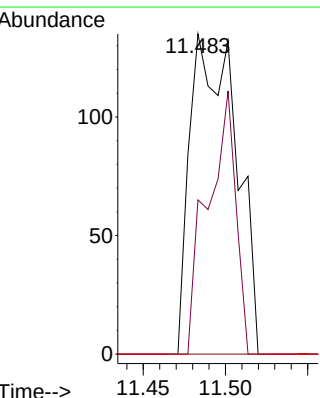
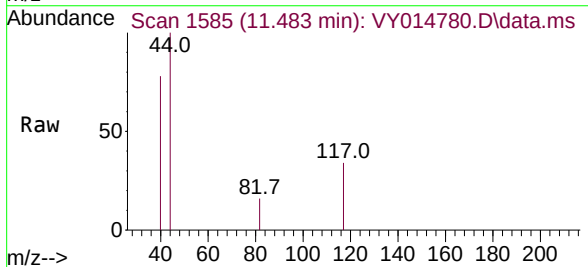
Sig	Exp Ratio
95	100
174	89.1
176	86.9

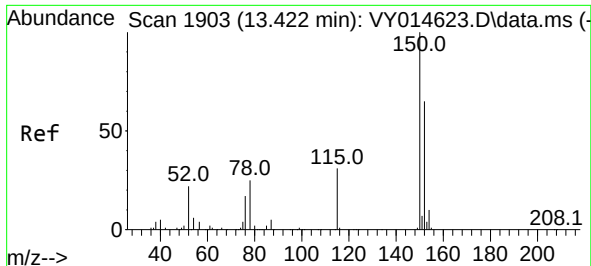


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.483 min Scan# 1585
 Delta R.T. -0.006 min
 Lab File: VY014780.D
 Acq: 24 Jul 2023 18:17

Tgt Ion: 117 Resp: 262

Ion	Ratio	Lower	Upper
117	100		
82	48.1	43.4	65.0
119	0.0	26.3	39.5

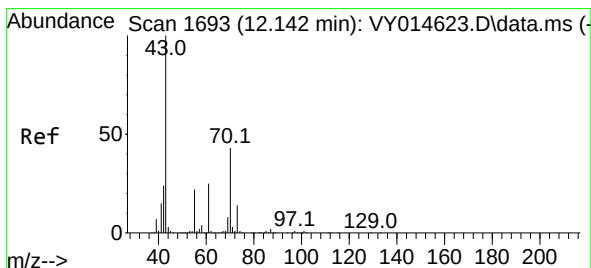
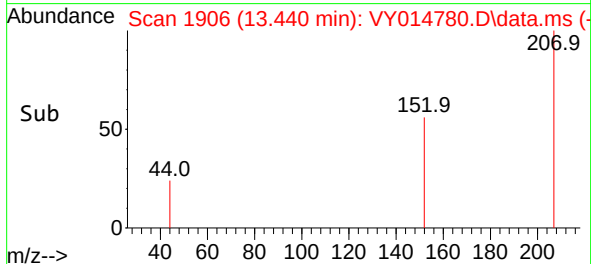
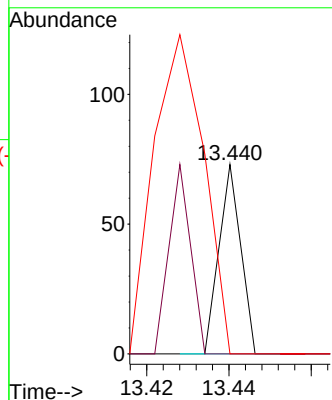
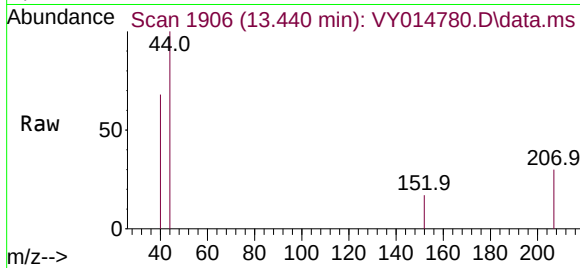




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.018 min
Lab File: VY014780.D
Acq: 24 Jul 2023 18:17

Instrument :
MSVOA_Y
ClientSampleId :
B-P22B

Tgt Ion:152 Resp: 27
Ion Ratio Lower Upper
152 100
115 100.0 28.8 86.5#
150 385.2 0.0 348.8#



#74
N-ethyl acetate
Concen: 26.834 ug/l
RT: 12.276 min Scan# 1715
Delta R.T. 0.134 min
Lab File: VY014780.D
Acq: 24 Jul 2023 18:17

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
70 0.0 29.7 44.5#
55 0.0 18.3 27.5#
61 0.0 17.5 26.3#

