

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023197.D
 Acq On : 22 Aug 2025 16:58
 Operator : SY/MD
 Sample : Q2919-01
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-08202025

Quant Time: Aug 25 05:19:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	309762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	574328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	502059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	183267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	176013	59.620	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.240%	
35) Dibromofluoromethane	7.640	113	195156	56.788	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.580%	
50) Toluene-d8	10.109	98	695073	51.773	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.540%	
62) 4-Bromofluorobenzene	12.402	95	179542	41.584	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.160%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	833	1.302	ug/l	90
20) Methylene Chloride	4.610	84	5574	Below Cal		90
31) Cyclohexane	7.707	56	6451	1.173	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	24134	4.725	ug/l #	49
38) Carbon Tetrachloride	7.713	117	30582	5.513	ug/l #	15
51) 4-Methyl-2-Pentanone	10.103	43	2962	1.324	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	93461	52.841	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	93461	127.911	ug/l #	14

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

Quant Time: Aug 25 05:19:52 2025
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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

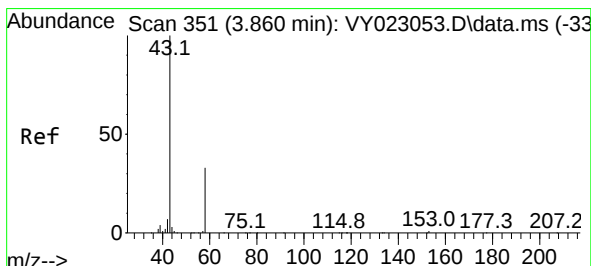
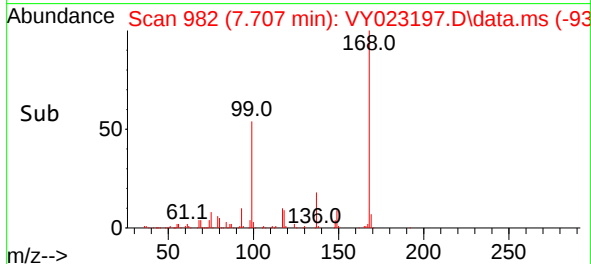
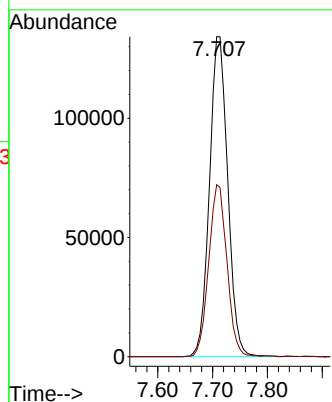
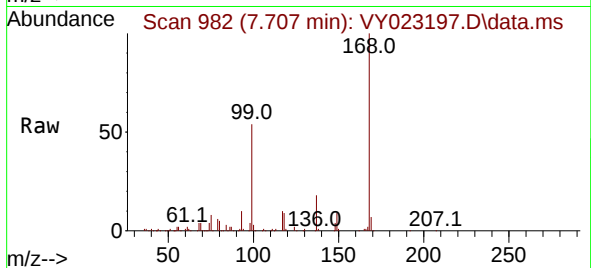




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

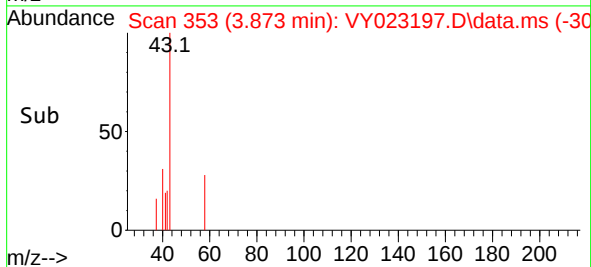
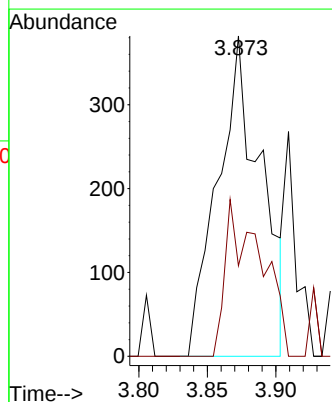
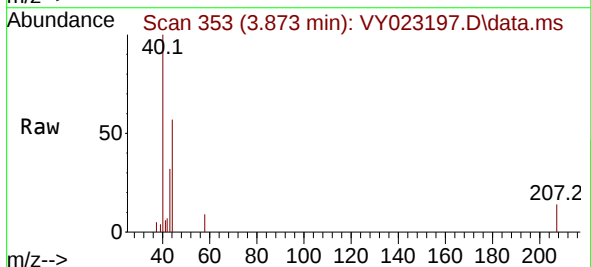
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-08202025

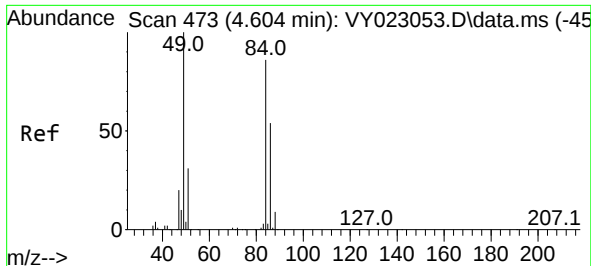
Tgt Ion:168 Resp: 309762
Ion Ratio Lower Upper
168 100
99 53.8 42.8 64.2



#16
Acetone
Concen: 1.302 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

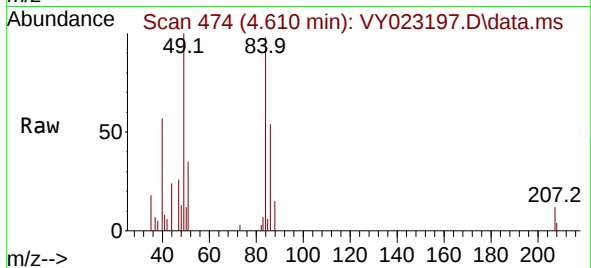
Tgt Ion: 43 Resp: 833
Ion Ratio Lower Upper
43 100
58 28.3 27.1 40.7



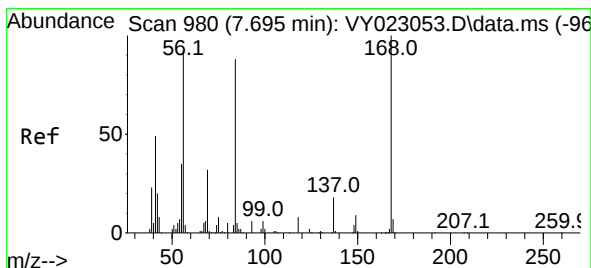
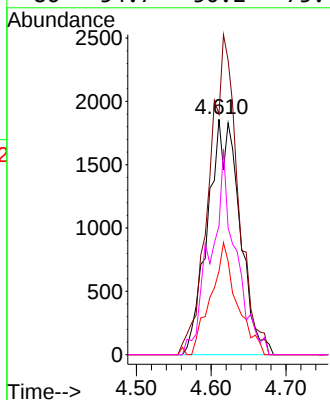
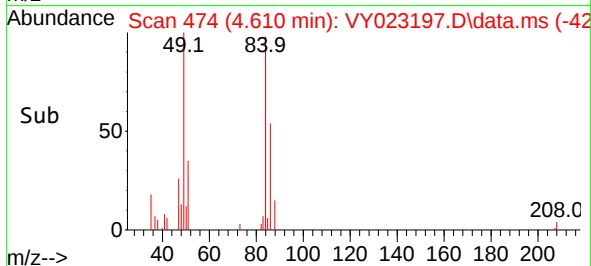


#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

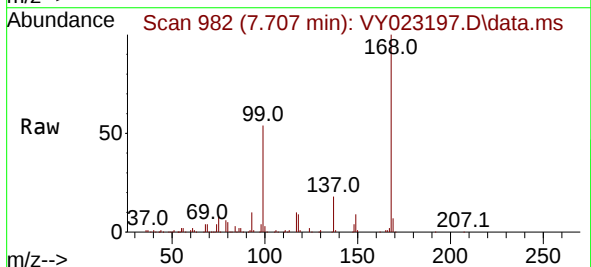
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-08202025



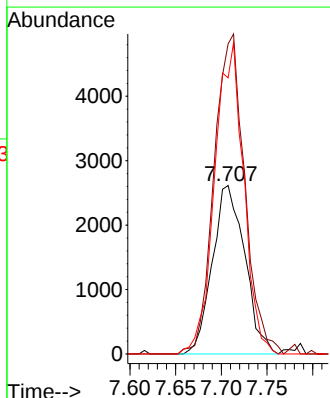
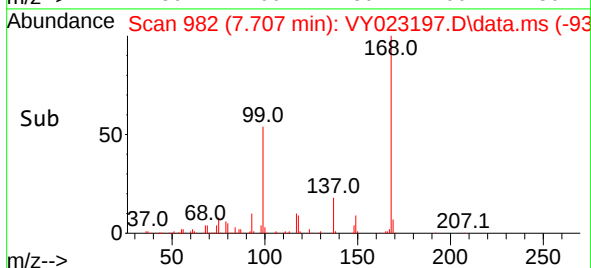
Tgt Ion:	84	Resp:	5574
Ion	Ratio	Lower	Upper
84	100		
49	102.2	93.0	139.6
51	35.4	29.0	43.4
86	54.7	50.2	75.4



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58



Tgt Ion:	56	Resp:	6451
Ion	Ratio	Lower	Upper
56	100		
69	184.1	28.2	42.2#
84	176.6	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 59.620 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023197.D

Acq: 22 Aug 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

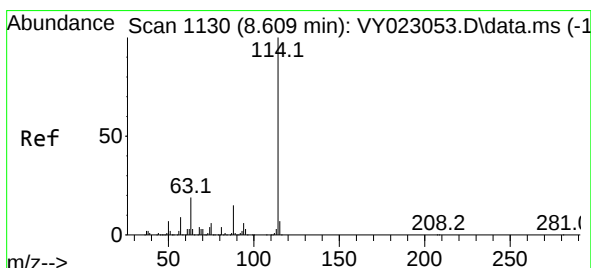
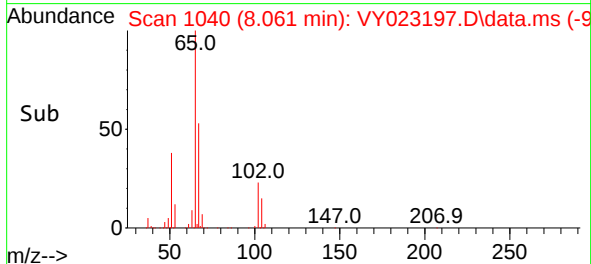
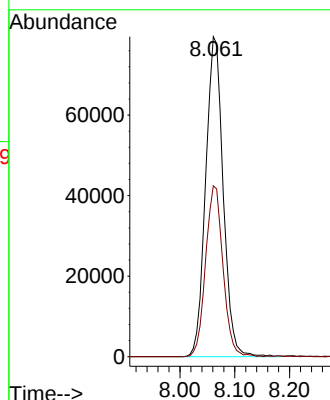
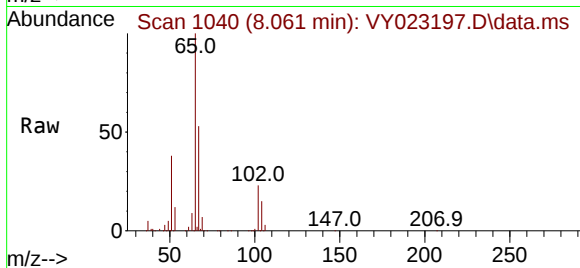
OK-02-08202025

Tgt Ion: 65 Resp: 176013

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023197.D

Acq: 22 Aug 2025 16:58

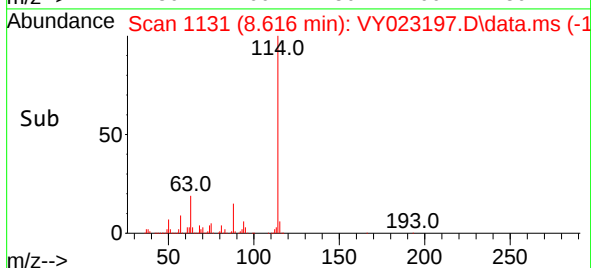
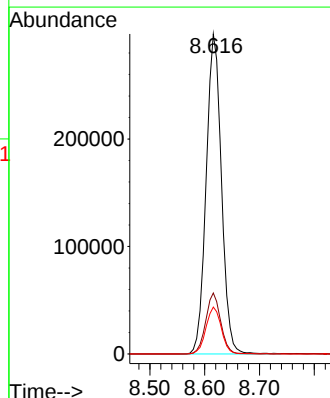
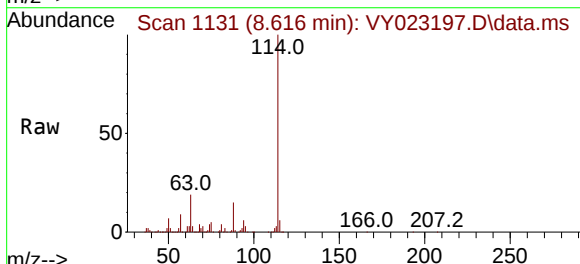
Tgt Ion: 114 Resp: 574328

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 56.788 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY023197.D

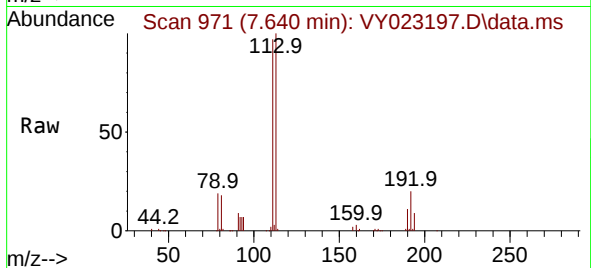
Acq: 22 Aug 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-08202025



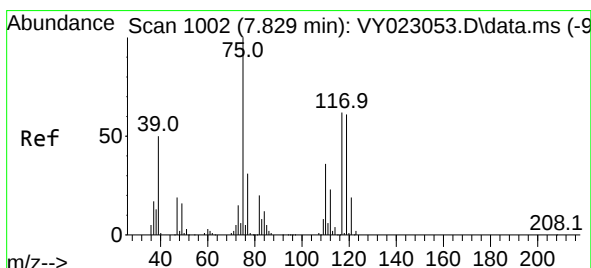
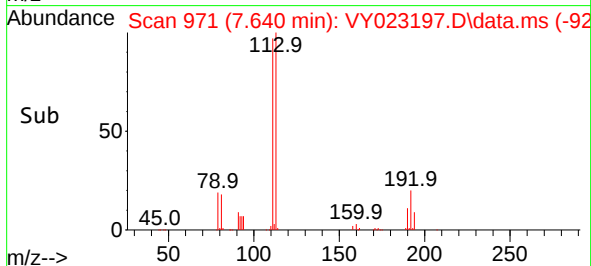
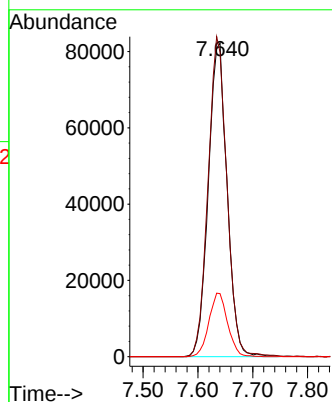
Tgt Ion:113 Resp: 195156

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

192 20.2 16.2 24.4



#36

1,1-Dichloropropene

Concen: 4.725 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023197.D

Acq: 22 Aug 2025 16:58

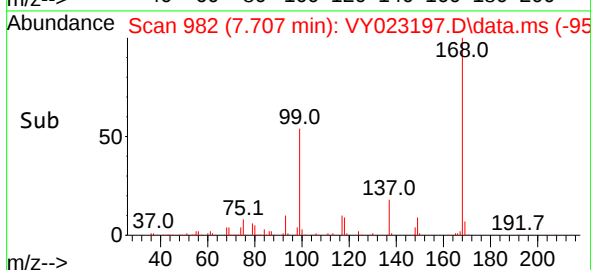
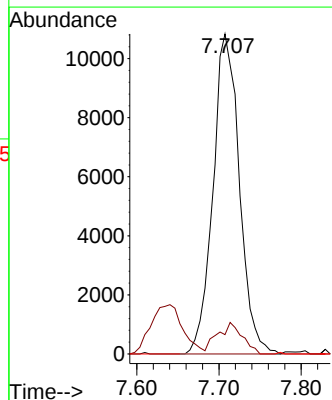
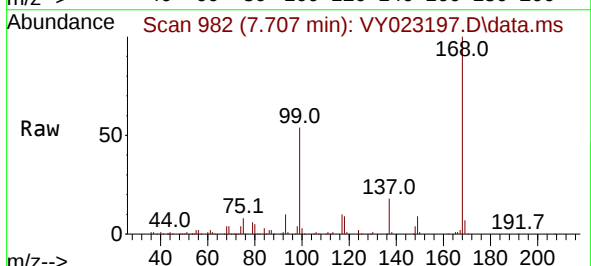
Tgt Ion: 75 Resp: 24134

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

77 0.0 24.6 37.0#

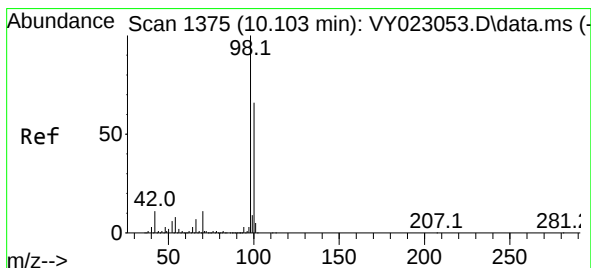
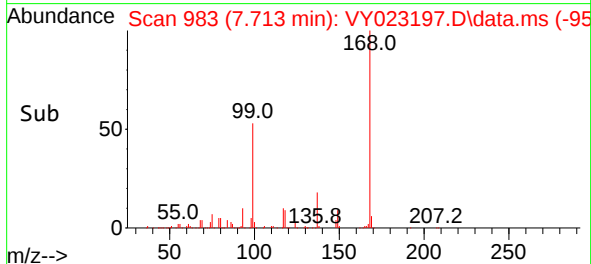
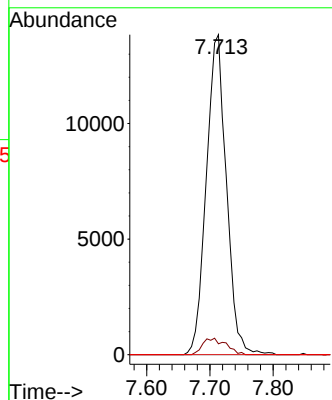
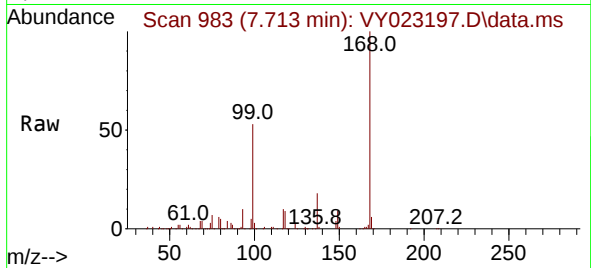




#38
Carbon Tetrachloride
Concen: 5.513 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

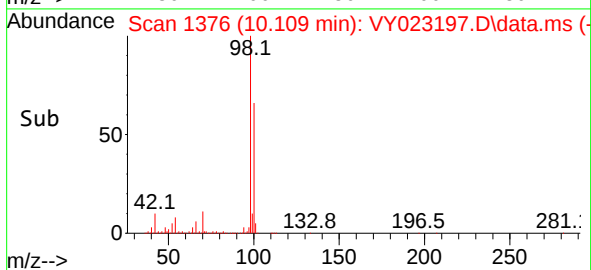
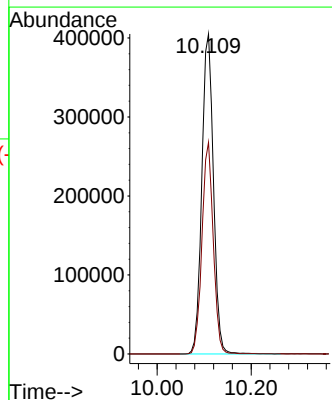
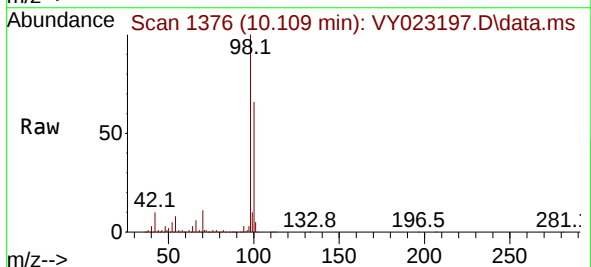
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-08202025

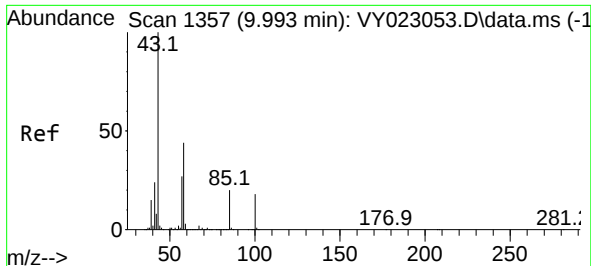
Tgt Ion:117 Resp: 30582
Ion Ratio Lower Upper
117 100
119 3.4 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.773 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

Tgt Ion: 98 Resp: 695073
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5

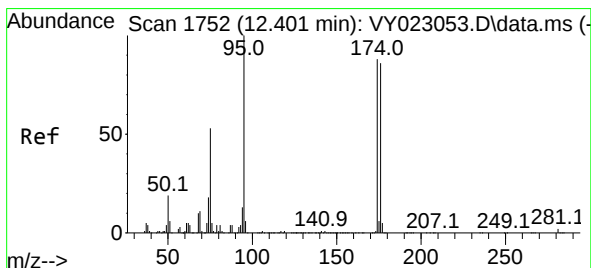
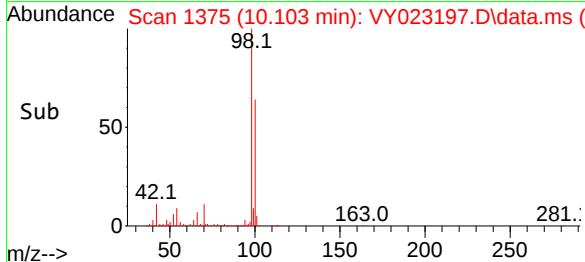
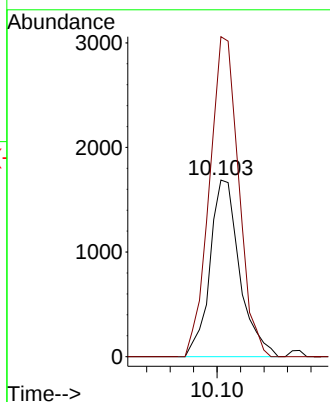
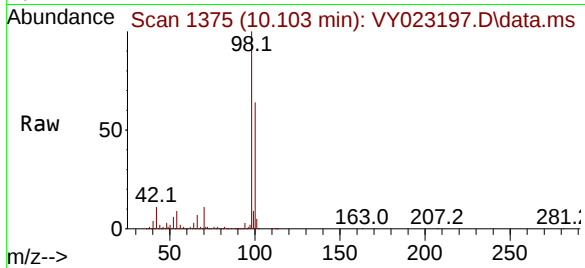




#51
4-Methyl-2-Pentanone
Concen: 1.324 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

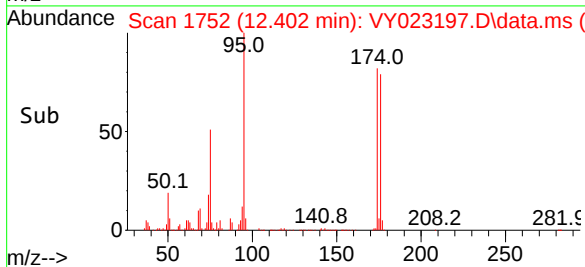
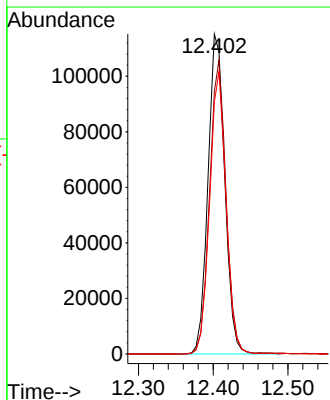
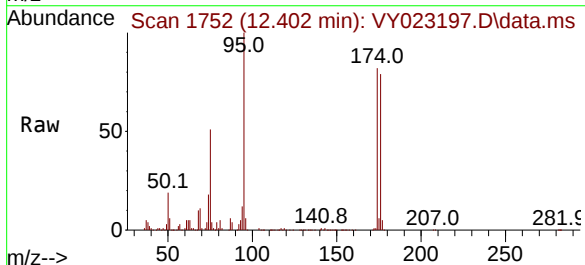
Instrument :
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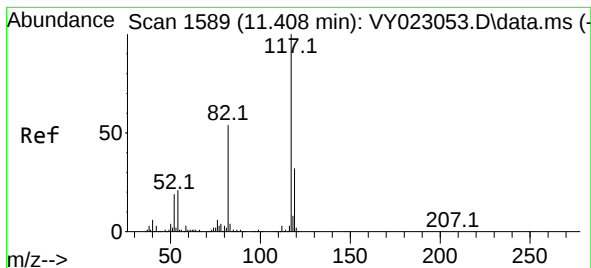
Tgt Ion: 43 Resp: 2962
Ion Ratio Lower Upper
43 100
58 178.7 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 41.584 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

Tgt Ion: 95 Resp: 179542
Ion Ratio Lower Upper
95 100
174 90.2 0.0 171.6
176 86.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023197.D

Acq: 22 Aug 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-08202025

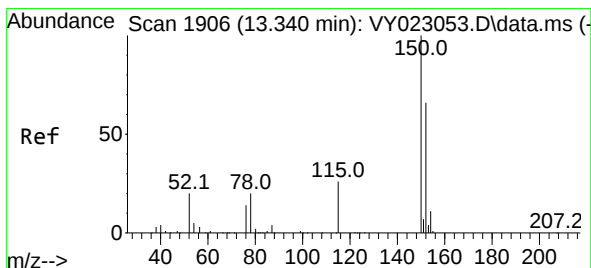
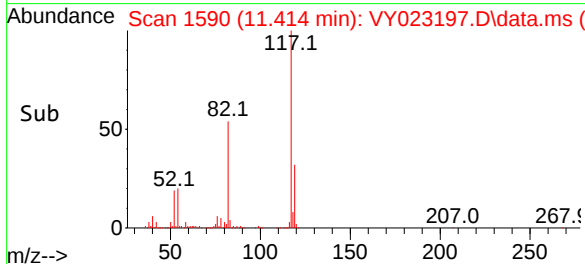
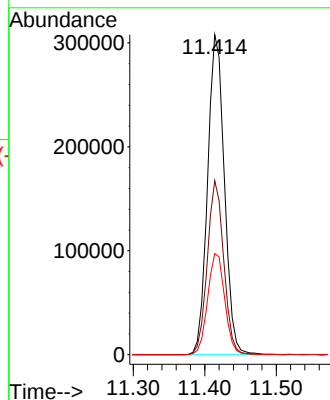
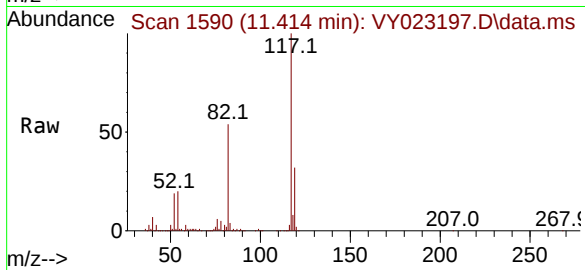
Tgt Ion:117 Resp: 502059

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 31.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023197.D

Acq: 22 Aug 2025 16:58

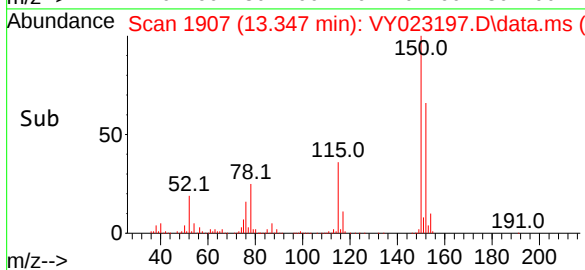
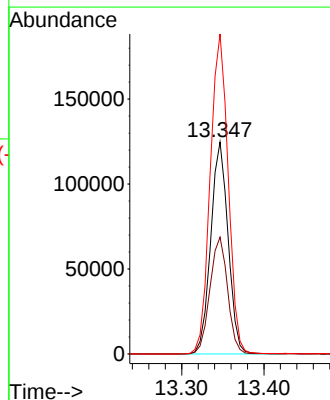
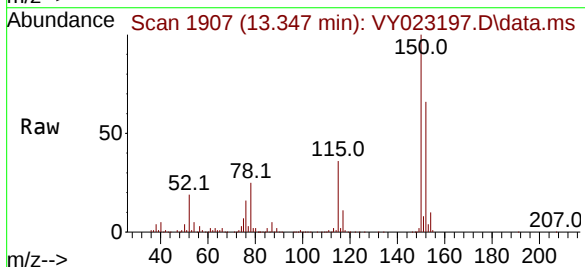
Tgt Ion:152 Resp: 183267

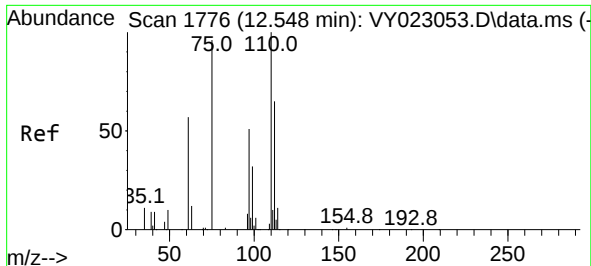
Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.6

150 155.8 0.0 348.0

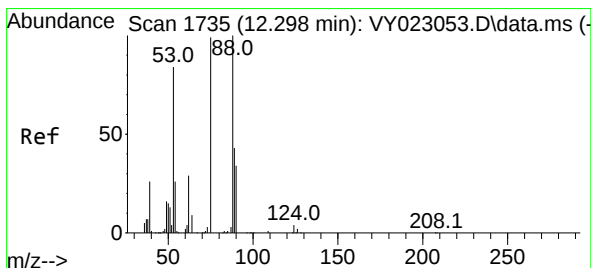
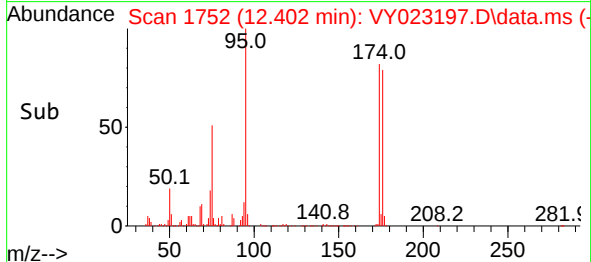
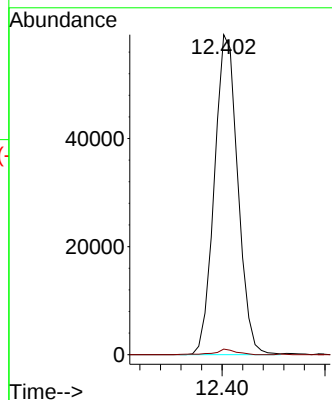
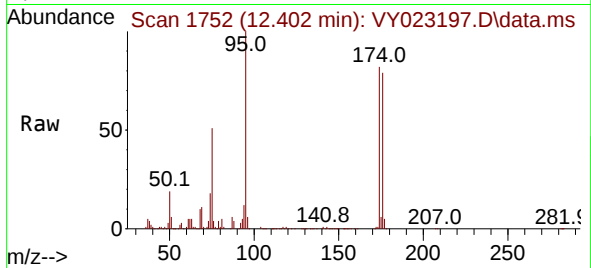




#76
1,2,3-Trichloropropane
Concen: 52.841 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
OK-02-08202025

Tgt Ion: 75 Resp: 93461
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.911 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

Tgt Ion: 75 Resp: 93461
Ion Ratio Lower Upper
75 100
53 0.4 70.8 106.2#
89 0.0 38.1 57.1#

