

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022076.D
 Acq On : 30 Apr 2025 12:24
 Operator : SY/MD
 Sample : Q1910-01
 Misc : 5.55g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0123-27

Quant Time: May 01 01:34:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

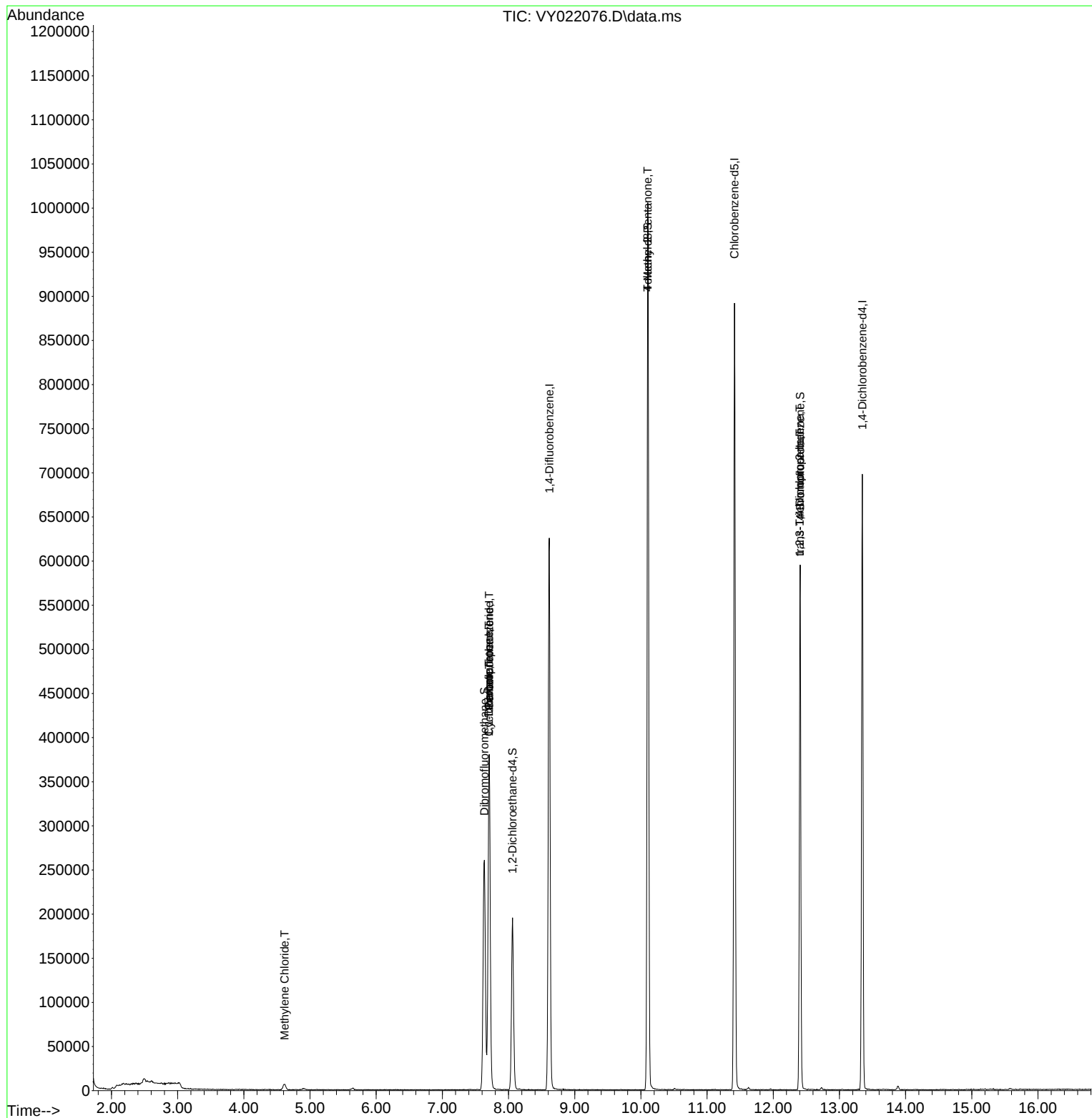
Internal Standards						
1) Pentafluorobenzene	7.707	168	299450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	560407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	497433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	185221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148202	53.581	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.160%	
35) Dibromofluoromethane	7.634	113	190111	51.349	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.700%	
50) Toluene-d8	10.103	98	671045	48.077	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.160%	
62) 4-Bromofluorobenzene	12.408	95	181169	38.557	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.120%	
Target Compounds						Qvalue
16) Acetone	3.872	43	273	Below Cal	#	41
20) Methylene Chloride	4.616	84	5392	1.542	ug/l #	82
31) Cyclohexane	7.701	56	5266	1.152	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	21574	4.338	ug/l #	48
38) Carbon Tetrachloride	7.707	117	29246	4.921	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2246	1.249	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	87435	55.112	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	87435	132.717	ug/l #	16

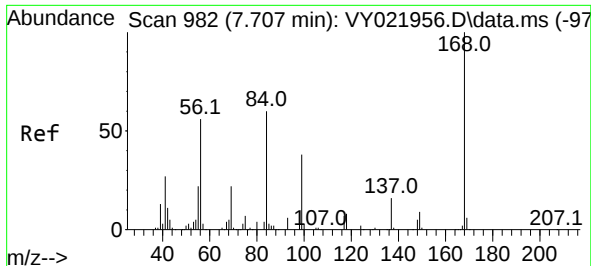
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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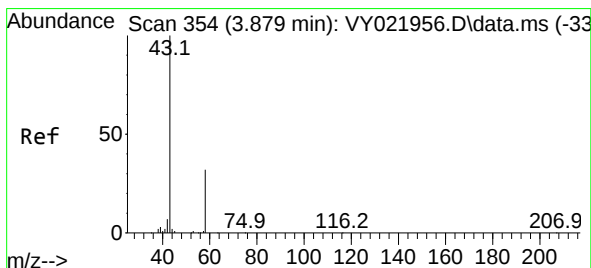
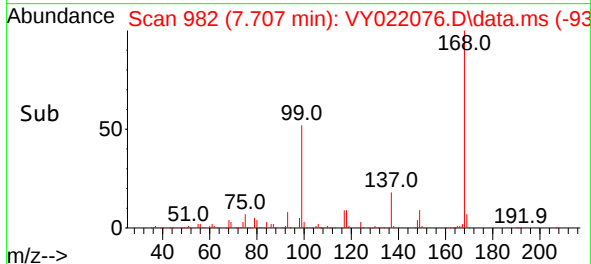
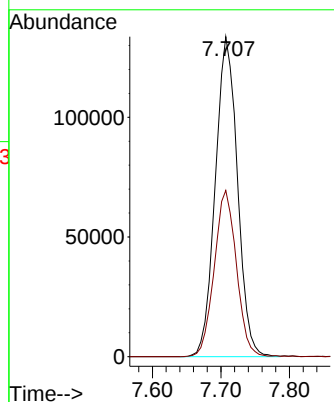
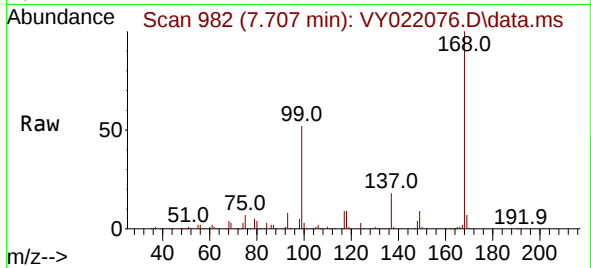




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022076.D
Acq: 30 Apr 2025 12:24

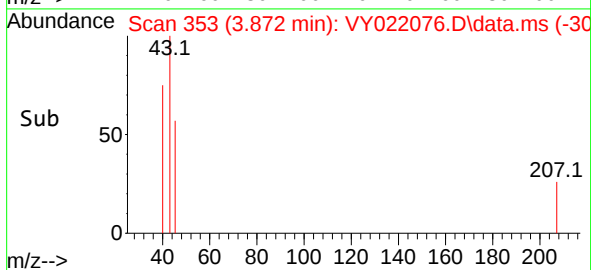
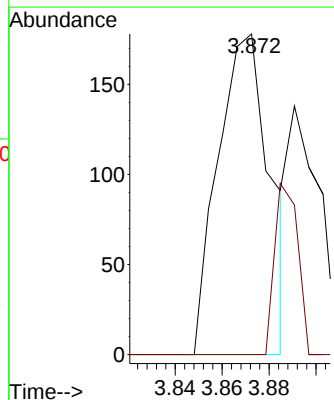
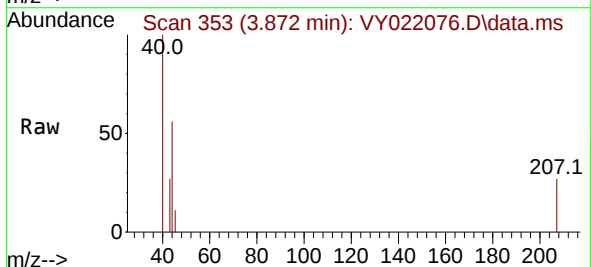
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0123-27

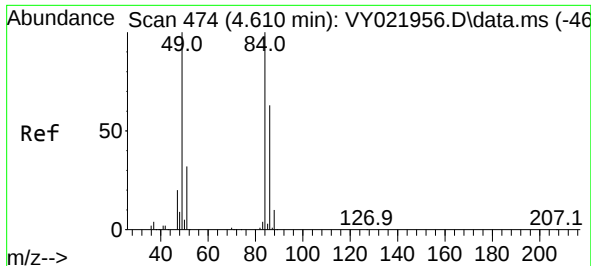
Tgt Ion:168 Resp: 299450
Ion Ratio Lower Upper
168 100
99 52.0 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022076.D
Acq: 30 Apr 2025 12:24

Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

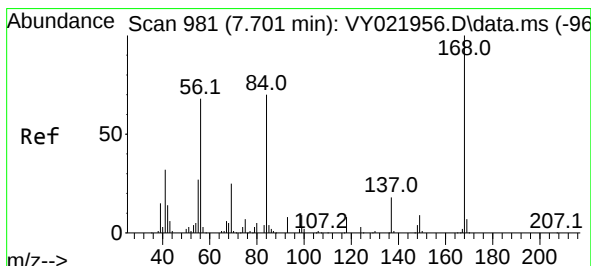
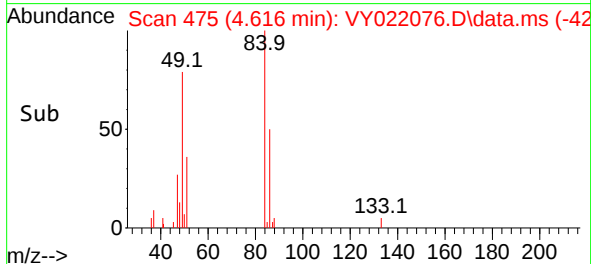
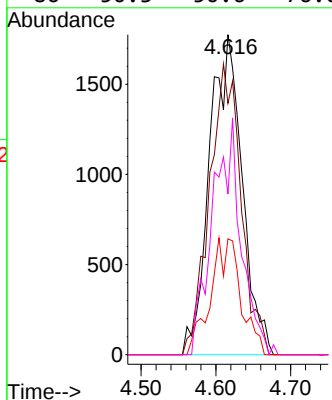
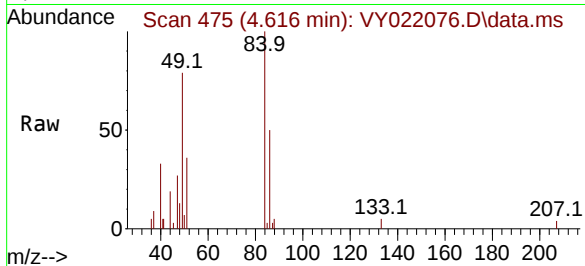




#20
Methylene Chloride
Concen: 1.542 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022076.D
Acq: 30 Apr 2025 12:24

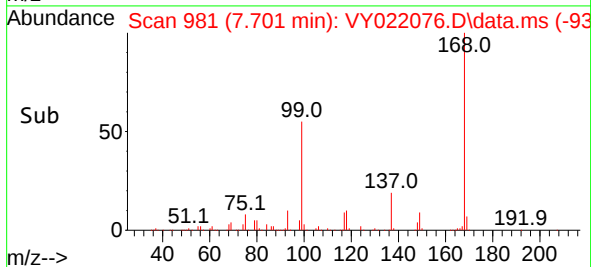
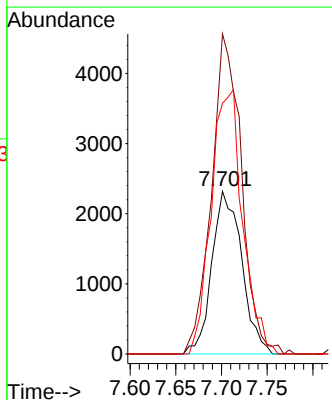
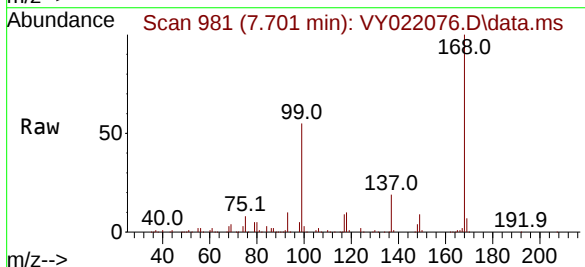
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0123-27

Tgt Ion:	84	Resp:	5392
Ion	Ratio	Lower	Upper
84	100		
49	78.5	79.9	119.9#
51	36.2	25.4	38.0
86	50.3	50.6	76.0#



#31
Cyclohexane
Concen: 1.152 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022076.D
Acq: 30 Apr 2025 12:24

Tgt Ion:	56	Resp:	5266
Ion	Ratio	Lower	Upper
56	100		
69	196.9	29.4	44.2#
84	154.1	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 53.581 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022076.D

Acq: 30 Apr 2025 12:24

Instrument :

MSVOA_Y

ClientSampleId :

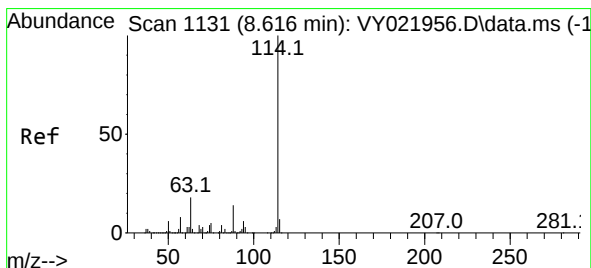
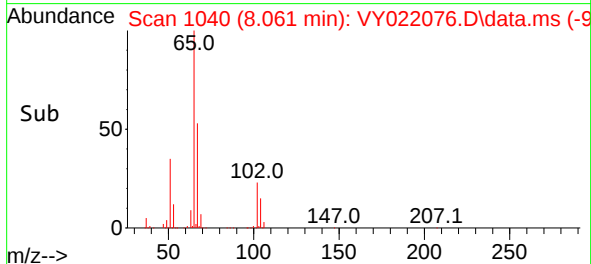
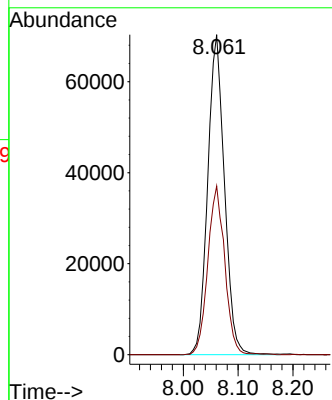
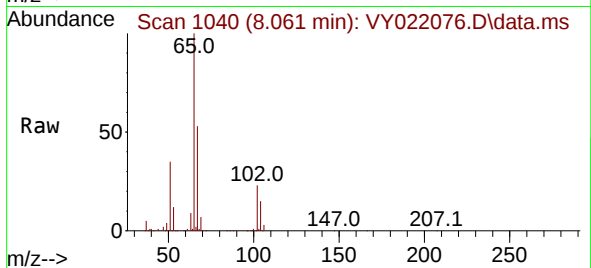
MOO-25-0123-27

Tgt Ion: 65 Resp: 148202

Ion Ratio Lower Upper

65 100

67 53.6 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022076.D

Acq: 30 Apr 2025 12:24

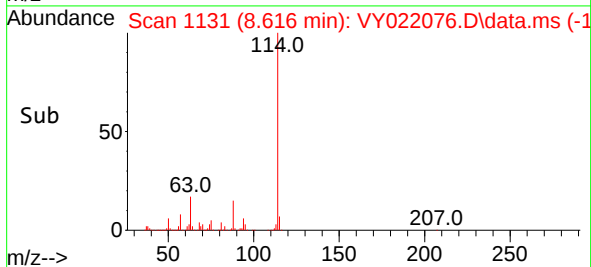
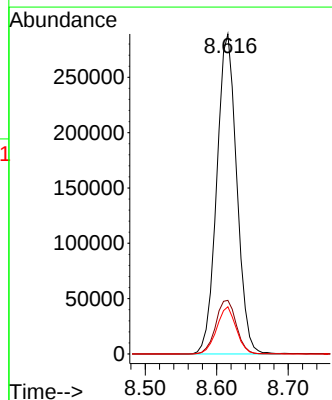
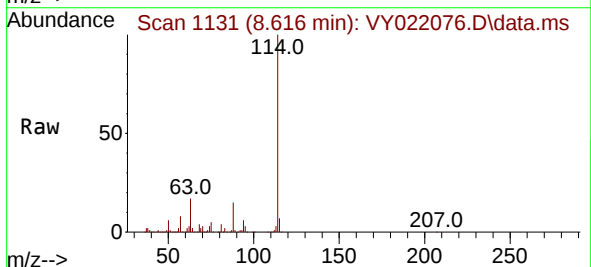
Tgt Ion: 114 Resp: 560407

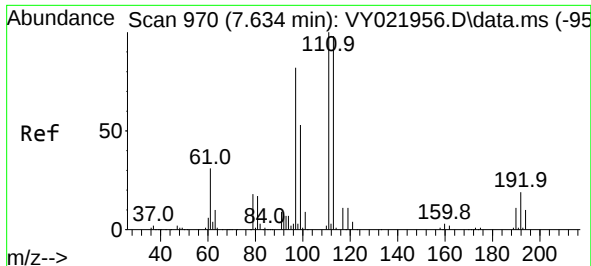
Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.4

88 14.7 0.0 28.2

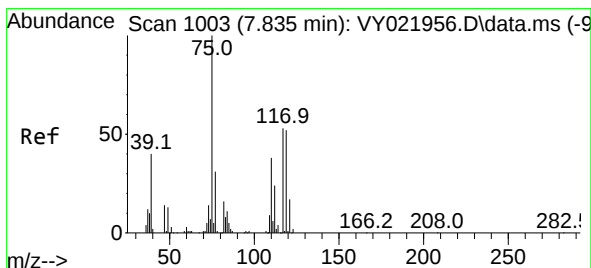
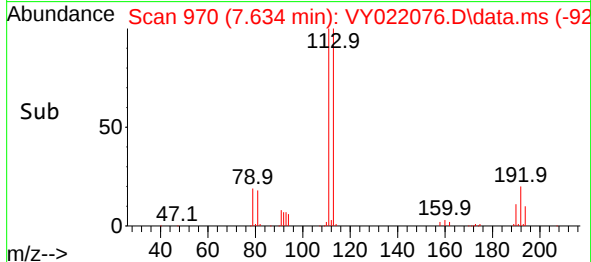
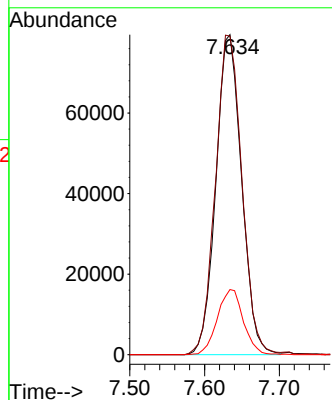
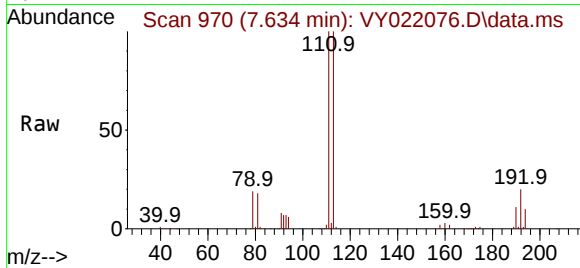




#35
Dibromofluoromethane
Concen: 51.349 ug/l
RT: 7.634 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY022076.D
Acq: 30 Apr 2025 12:24

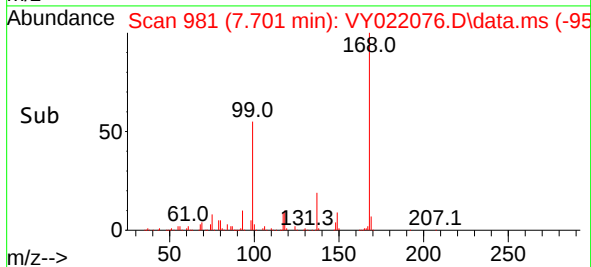
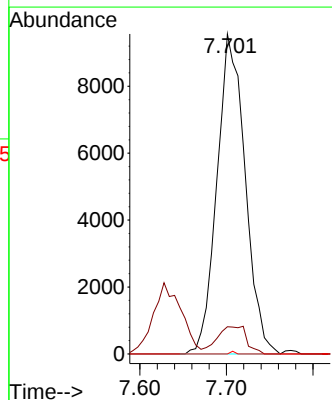
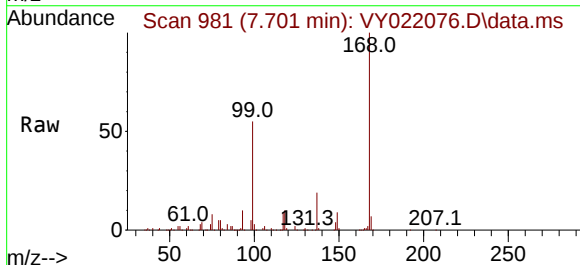
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0123-27

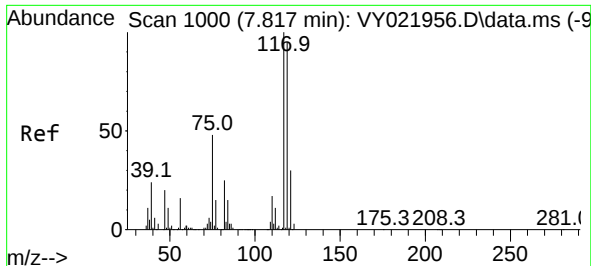
Tgt Ion:113 Resp: 190111
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.8
192 20.6 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.338 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022076.D
Acq: 30 Apr 2025 12:24

Tgt Ion: 75 Resp: 21574
Ion Ratio Lower Upper
75 100
110 9.0 19.1 57.3#
77 0.1 25.5 38.3#

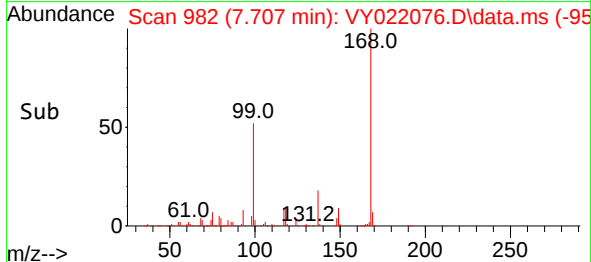
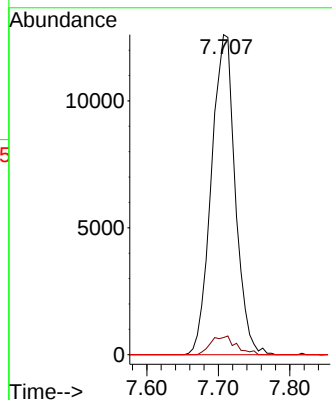
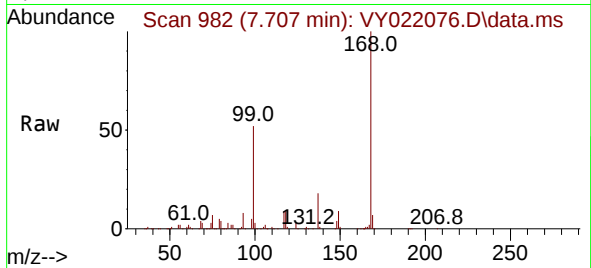




#38
Carbon Tetrachloride
Concen: 4.921 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022076.D
Acq: 30 Apr 2025 12:24

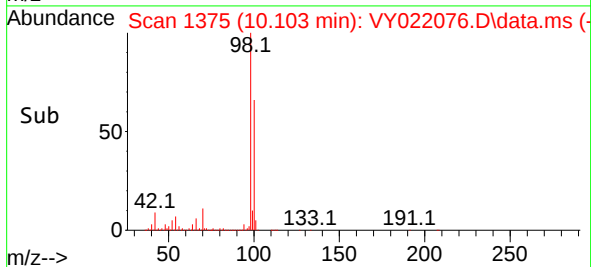
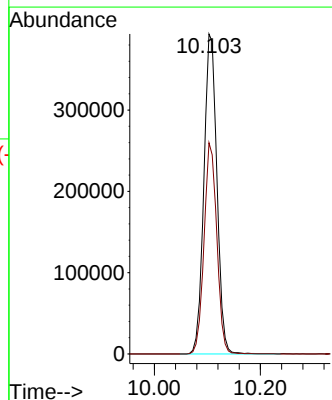
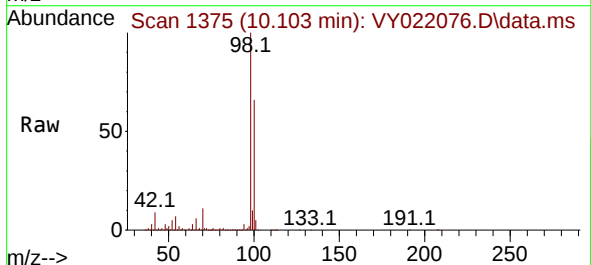
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0123-27

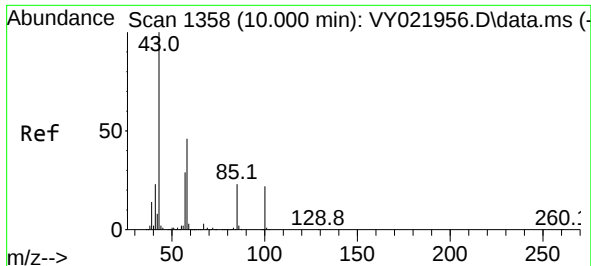
Tgt Ion:117 Resp: 29246
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.077 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022076.D
Acq: 30 Apr 2025 12:24

Tgt Ion: 98 Resp: 671045
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4

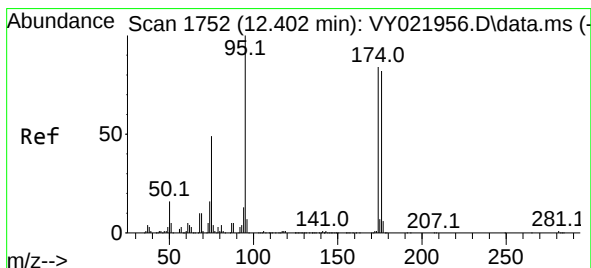
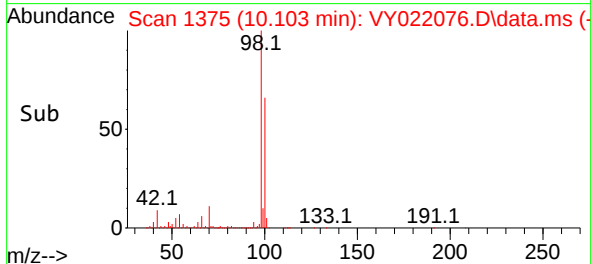
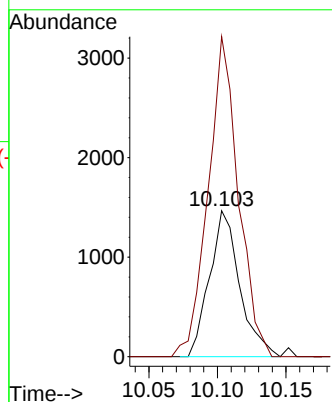
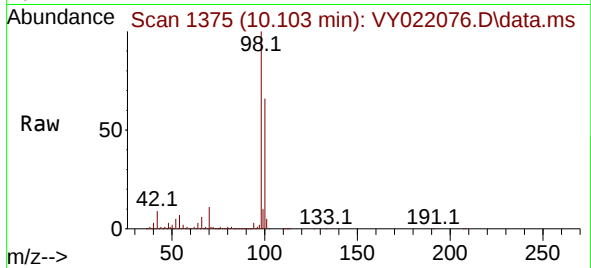




#51
4-Methyl-2-Pentanone
Concen: 1.249 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY022076.D
Acq: 30 Apr 2025 12:24

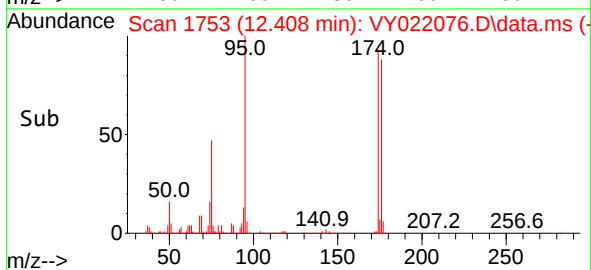
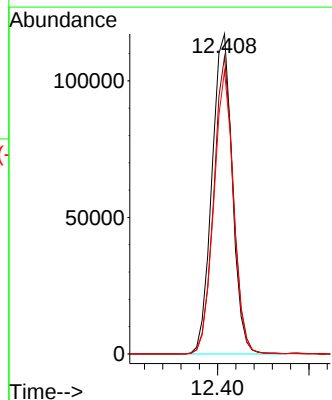
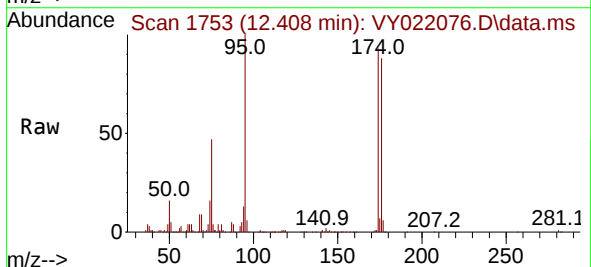
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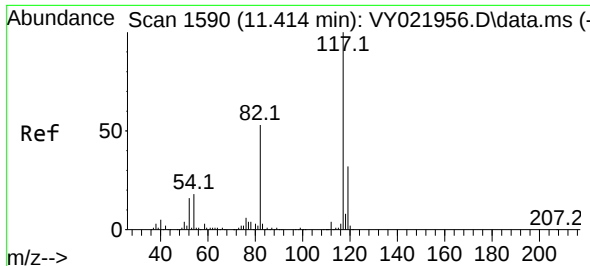
Tgt Ion: 43 Resp: 2246
Ion Ratio Lower Upper
43 100
58 219.9 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 38.557 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022076.D
Acq: 30 Apr 2025 12:24

Tgt Ion: 95 Resp: 181169
Ion Ratio Lower Upper
95 100
174 89.9 0.0 179.0
176 85.8 0.0 171.8

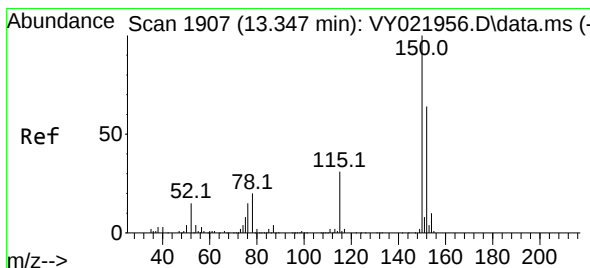
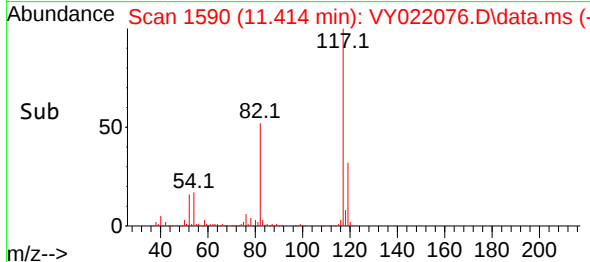
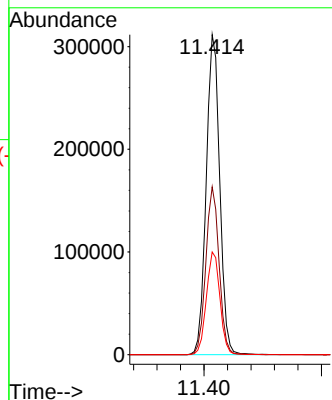
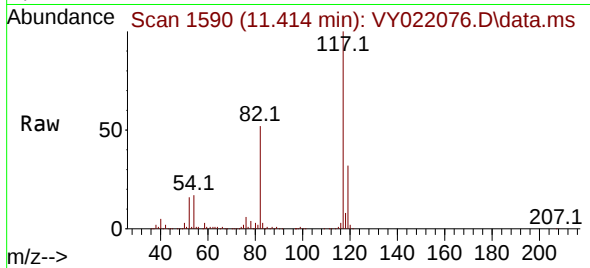




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022076.D
Acq: 30 Apr 2025 12:24

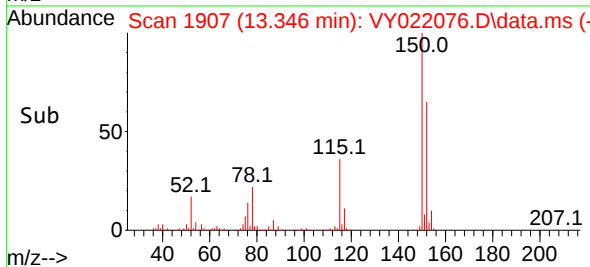
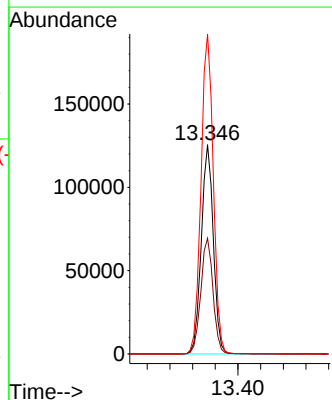
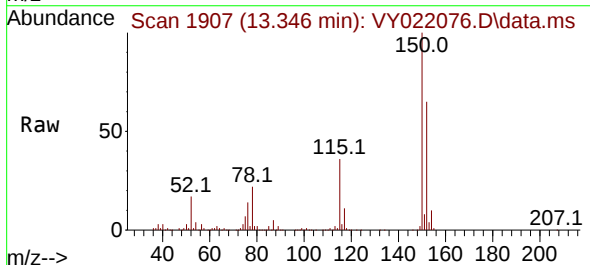
Instrument :
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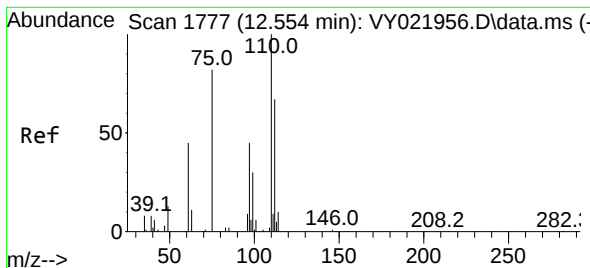
Tgt Ion:117 Resp: 497433
Ion Ratio Lower Upper
117 100
82 52.4 42.1 63.1
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022076.D
Acq: 30 Apr 2025 12:24

Tgt Ion:152 Resp: 185221
Ion Ratio Lower Upper
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115 56.2 28.0 84.0
150 156.1 0.0 345.6

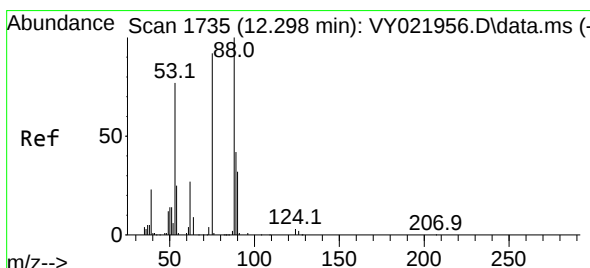
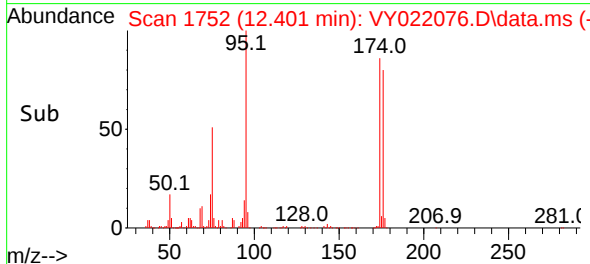
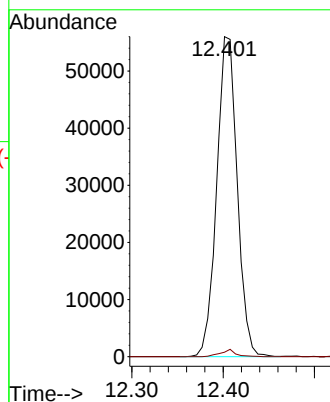
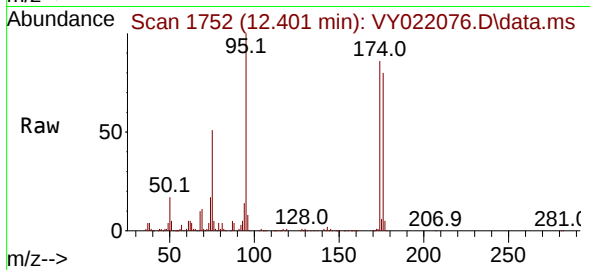




#76
1,2,3-Trichloropropane
Concen: 55.112 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022076.D
Acq: 30 Apr 2025 12:24

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0123-27

Tgt Ion: 75 Resp: 87435
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.717 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY022076.D
Acq: 30 Apr 2025 12:24

Tgt Ion: 75 Resp: 87435
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.1 37.2 55.8#

