

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022805.D
 Acq On : 24 Jun 2025 18:13
 Operator : SY/MD
 Sample : Q2403-07
 Misc : 4.80g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ARS 20-006

Quant Time: Jun 25 01:29:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

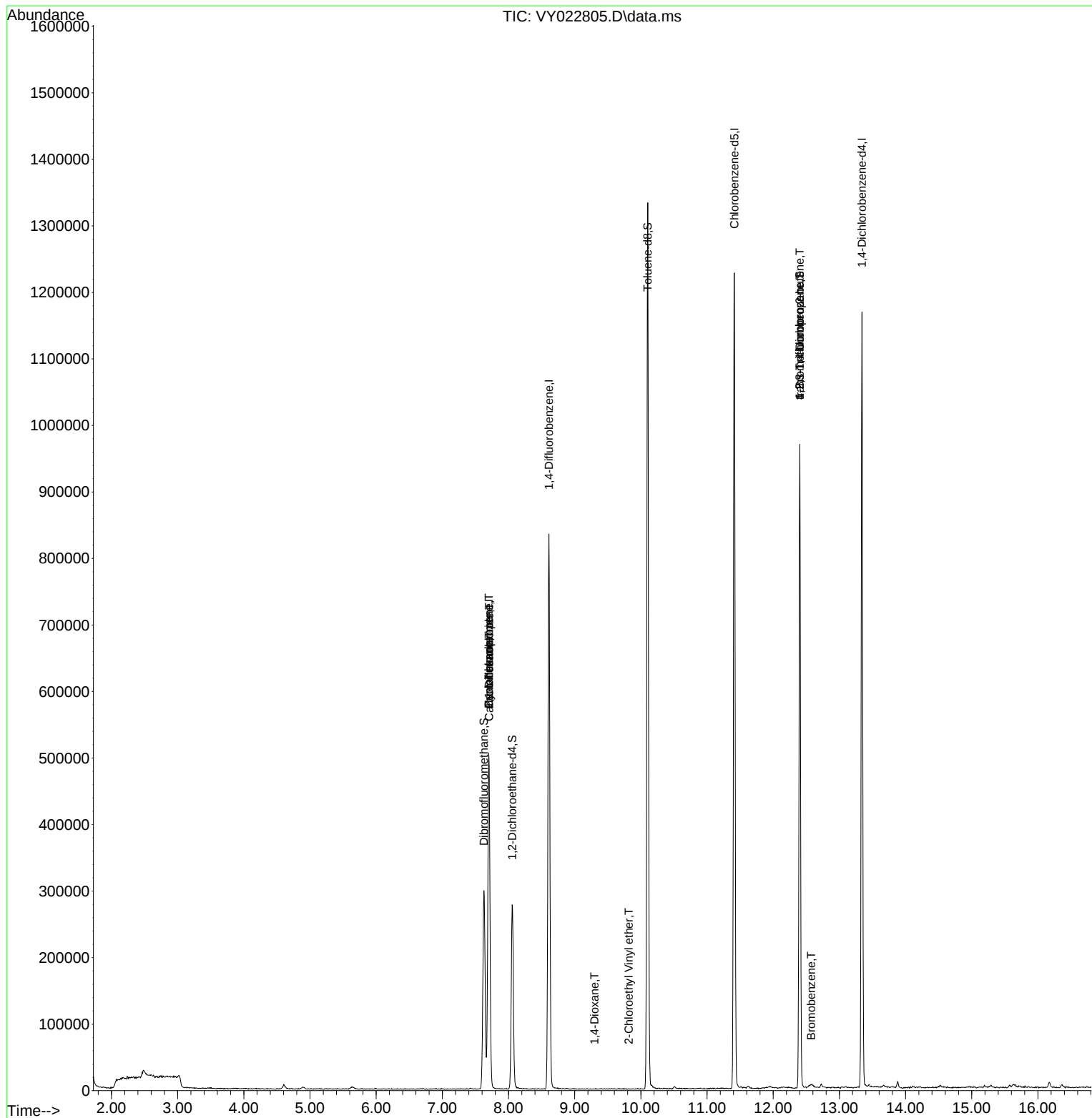
Internal Standards						
1) Pentafluorobenzene	7.701	168	389232	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	705268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	642123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	280809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	217670	50.106	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.220%	
35) Dibromofluoromethane	7.628	113	211139	49.227	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.460%	
50) Toluene-d8	10.103	98	841002	49.413	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.820%	
62) 4-Bromofluorobenzene	12.402	95	278304	50.866	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.740%	
Target Compounds						Qvalue
31) Cyclohexane	7.701	56	9018	1.209	ug/l #	16
36) 1,1-Dichloropropene	7.701	75	32022	4.926	ug/l #	51
38) Carbon Tetrachloride	7.707	117	40467	5.899	ug/l #	16
49) 1,4-Dioxane	9.298	88	58	1.849	ug/l #	20
58) 2-Chloroethyl Vinyl ether	9.817	63	25	15.665	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	155795	54.344	ug/l #	100
77) Bromobenzene	12.572	156	5214	1.108	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.402	75	155795	137.295	ug/l #	10

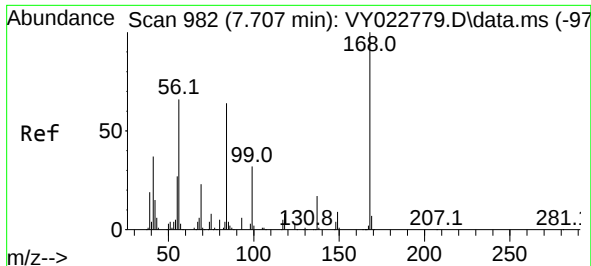
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ARS 20-006

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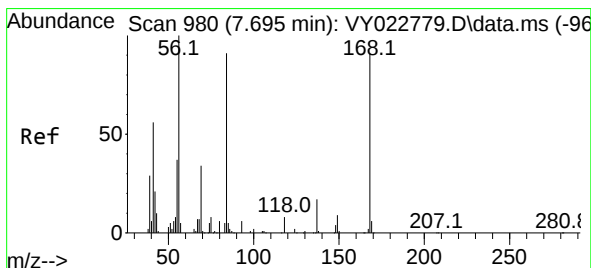
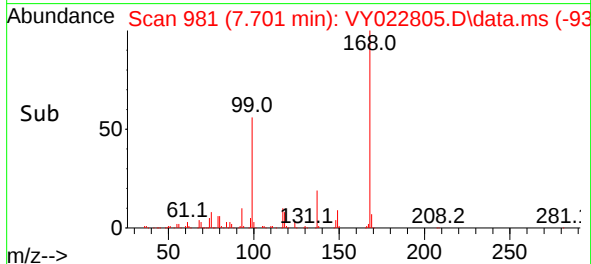
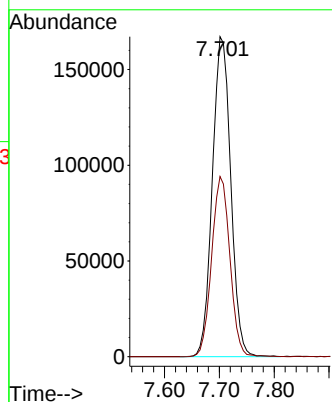
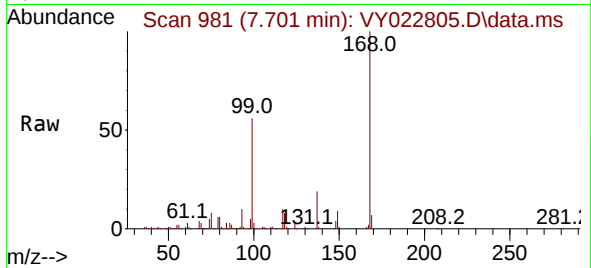




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.012 min
Lab File: VY022805.D
Acq: 24 Jun 2025 18:13

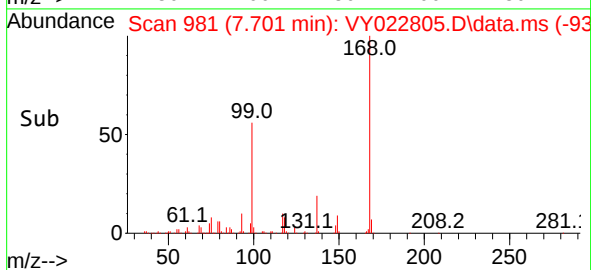
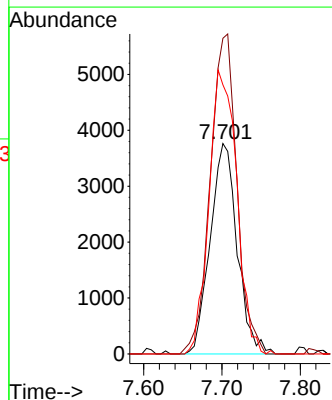
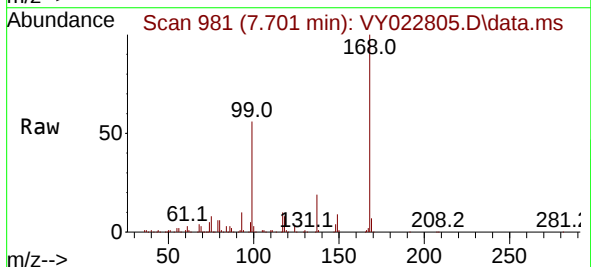
Instrument :
MSVOA_Y
ClientSampleId :
ARS 20-006

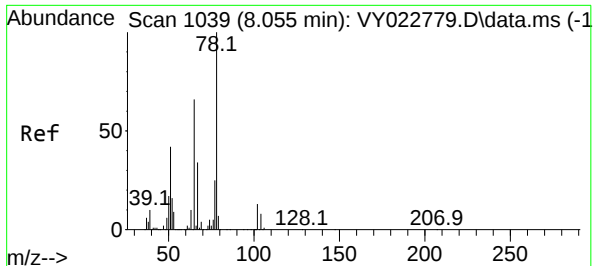
Tgt Ion:168 Resp: 389232
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022805.D
Acq: 24 Jun 2025 18:13

Tgt Ion: 56 Resp: 9018
Ion Ratio Lower Upper
56 100
69 150.1 27.0 40.6#
84 128.0 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.106 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022805.D

Acq: 24 Jun 2025 18:13

Instrument :

MSVOA_Y

ClientSampleId :

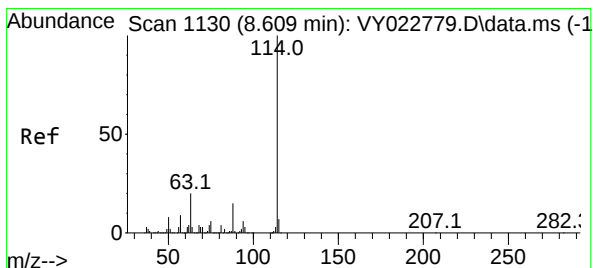
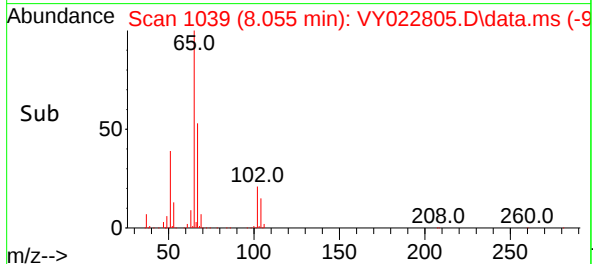
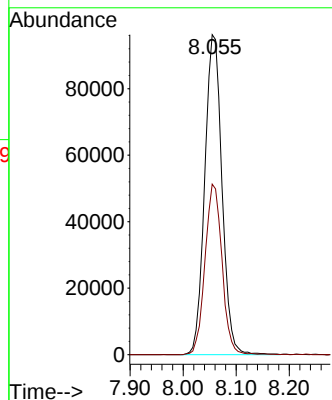
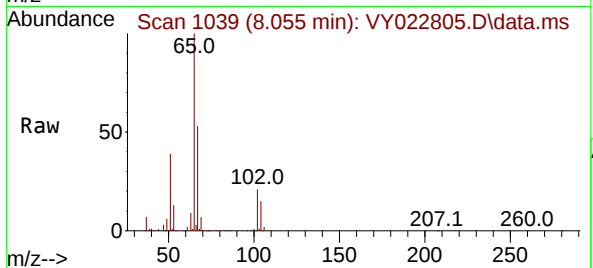
ARS 20-006

Tgt Ion: 65 Resp: 217670

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022805.D

Acq: 24 Jun 2025 18:13

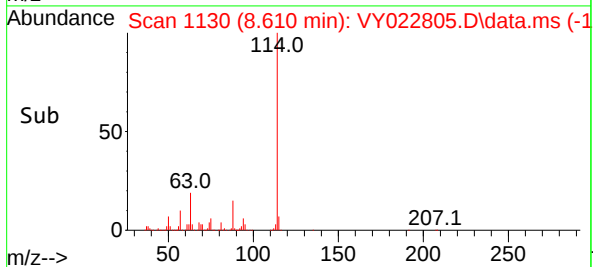
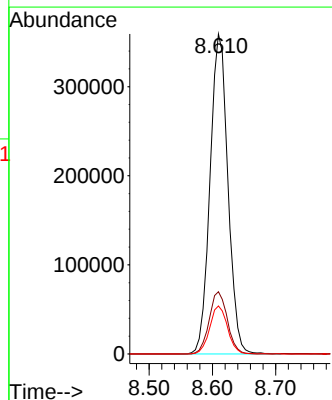
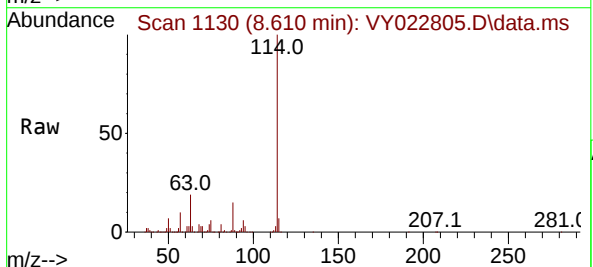
Tgt Ion: 114 Resp: 705268

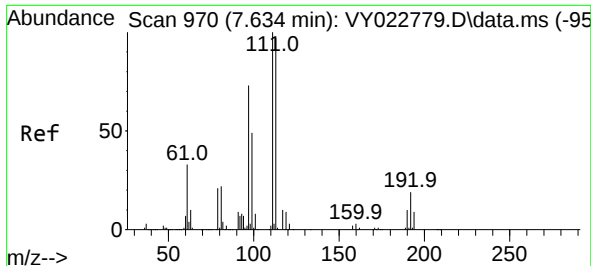
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

88 15.0 0.0 27.8

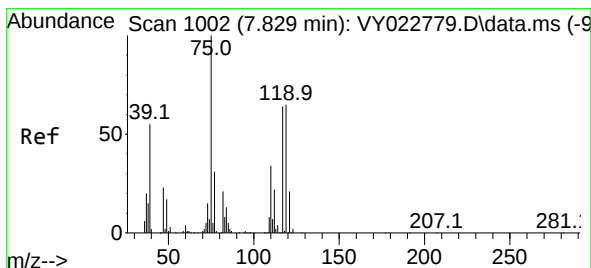
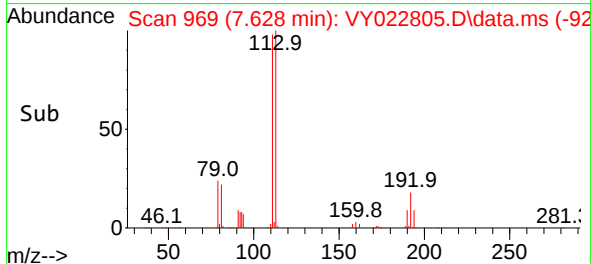
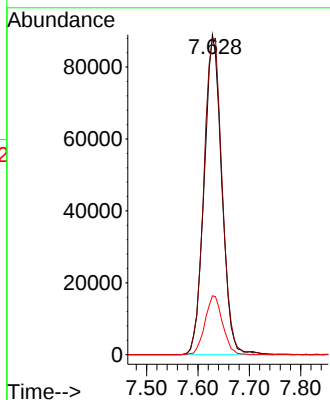
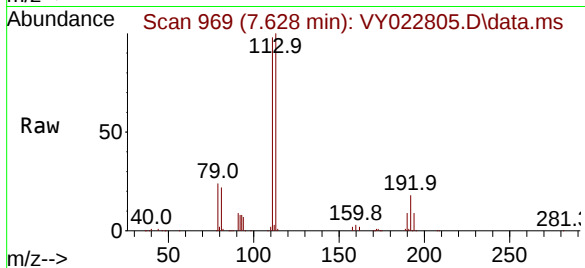




#35
Dibromofluoromethane
Concen: 49.227 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY022805.D
Acq: 24 Jun 2025 18:13

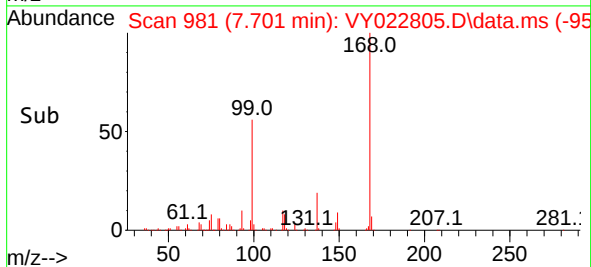
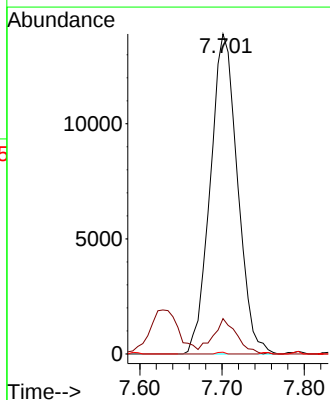
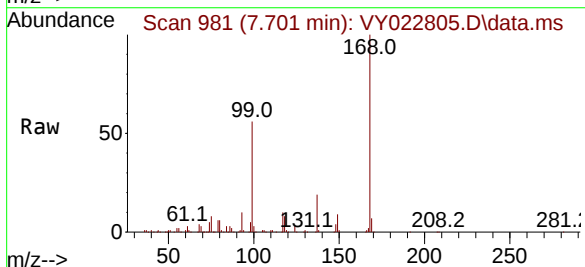
Instrument :
MSVOA_Y
ClientSampleId :
ARS 20-006

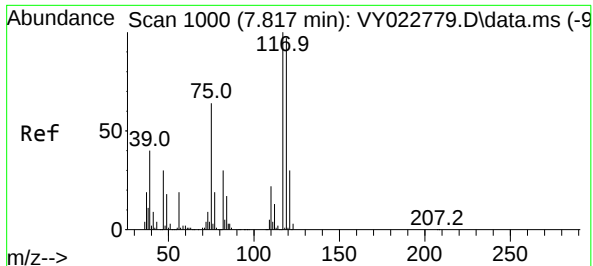
Tgt Ion:113 Resp: 211139
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 18.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.926 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022805.D
Acq: 24 Jun 2025 18:13

Tgt Ion: 75 Resp: 32022
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.7#
77 0.2 24.8 37.2#

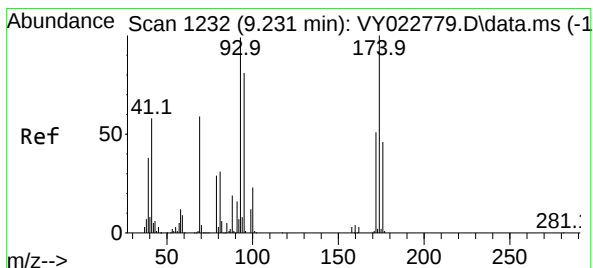
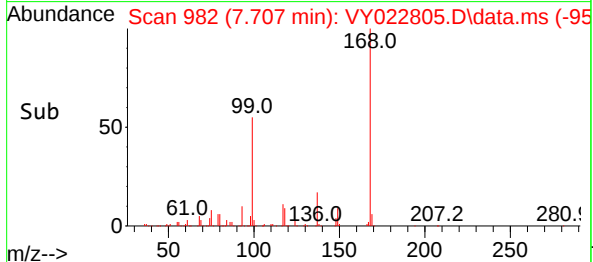
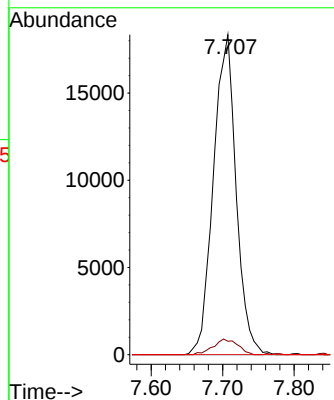
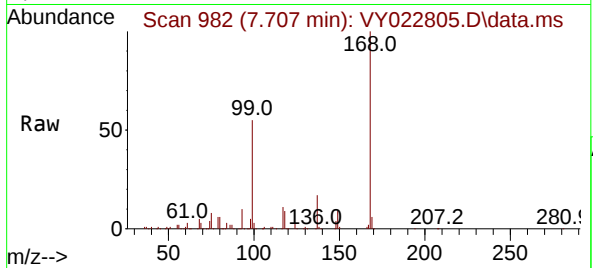




#38
Carbon Tetrachloride
Concen: 5.899 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022805.D
Acq: 24 Jun 2025 18:13

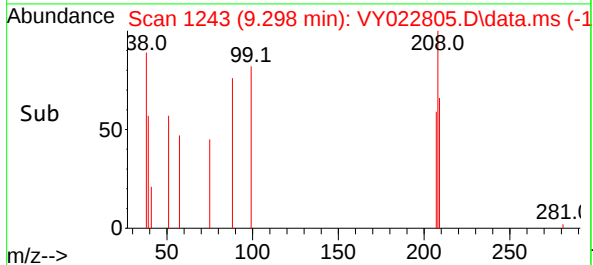
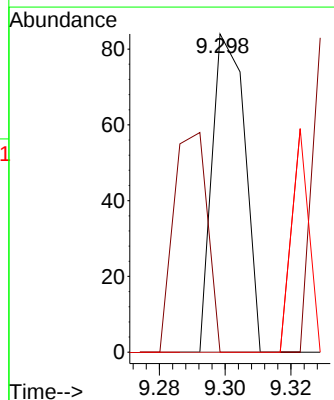
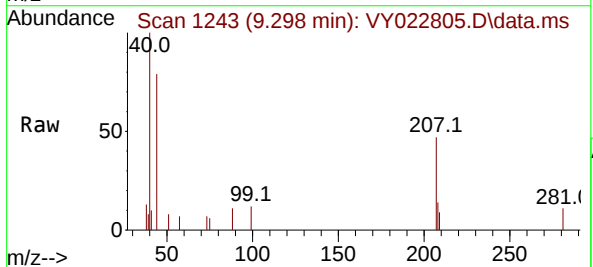
Instrument :
MSVOA_Y
ClientSampleId :
ARS 20-006

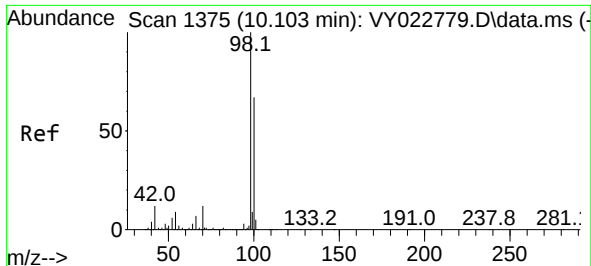
Tgt Ion:117 Resp: 40467
Ion Ratio Lower Upper
117 100
119 4.2 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.849 ug/l
RT: 9.298 min Scan# 1243
Delta R.T. 0.055 min
Lab File: VY022805.D
Acq: 24 Jun 2025 18:13

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 70.7 25.4 38.2#
58 0.0 54.9 82.3#

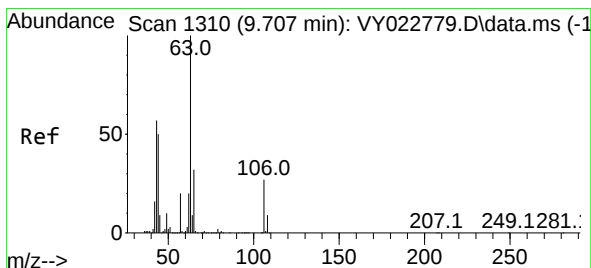
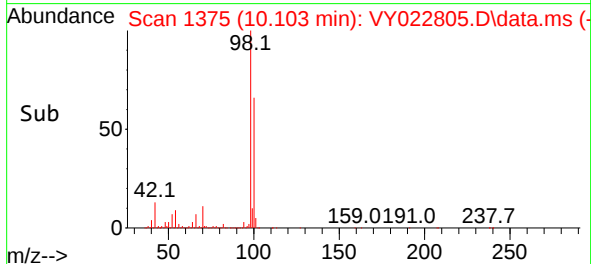
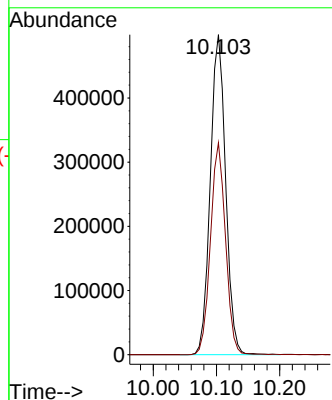
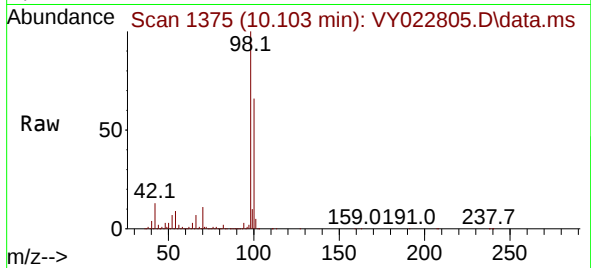




#50
Toluene-d8
Concen: 49.413 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022805.D
Acq: 24 Jun 2025 18:13

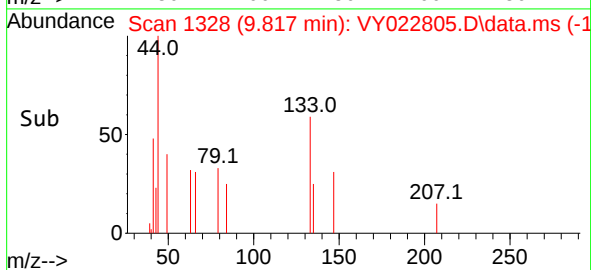
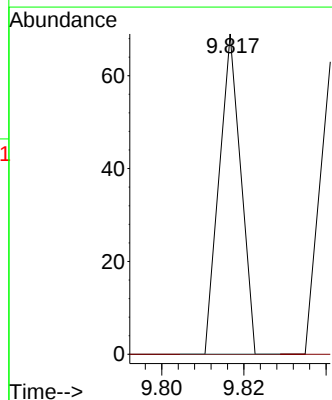
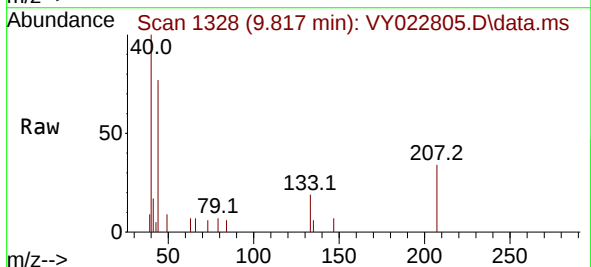
Instrument :
MSVOA_Y
ClientSampleId :
ARS 20-006

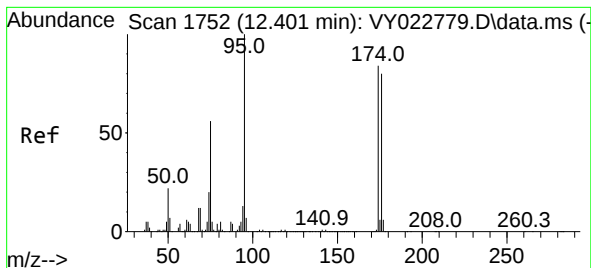
Tgt Ion: 98 Resp: 841002
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.665 ug/l
RT: 9.817 min Scan# 1328
Delta R.T. 0.104 min
Lab File: VY022805.D
Acq: 24 Jun 2025 18:13

Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#





#62

4-Bromofluorobenzene

Concen: 50.866 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022805.D

Acq: 24 Jun 2025 18:13

Instrument :

MSVOA_Y

ClientSampleId :

ARS 20-006

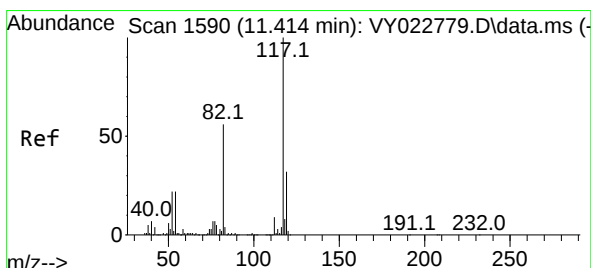
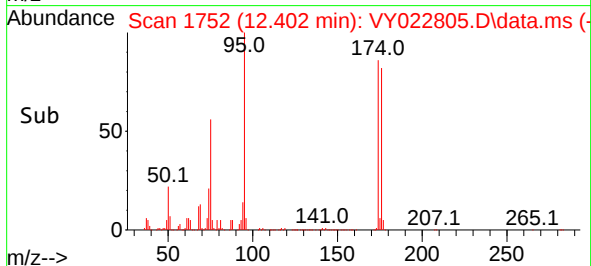
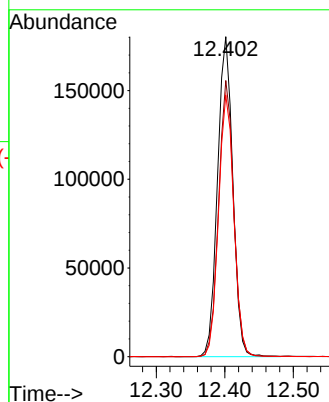
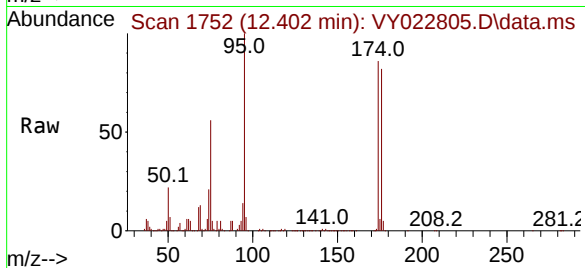
Tgt Ion: 95 Resp: 278304

Ion Ratio Lower Upper

95 100

174 85.4 0.0 170.0

176 81.9 0.0 166.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022805.D

Acq: 24 Jun 2025 18:13

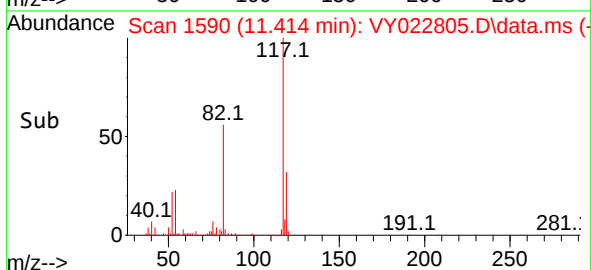
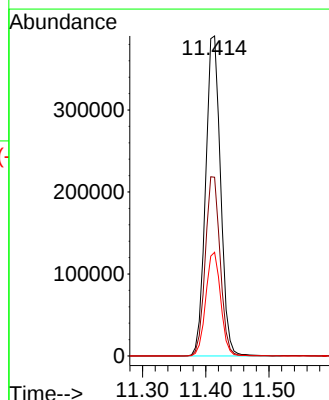
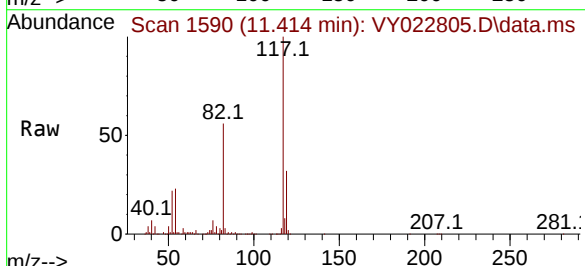
Tgt Ion: 117 Resp: 642123

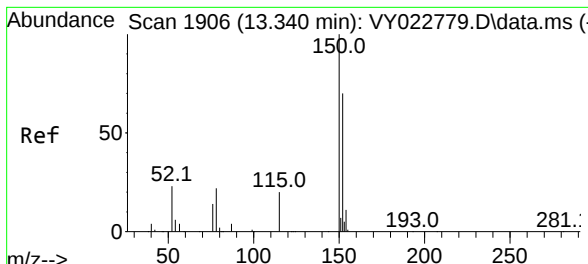
Ion Ratio Lower Upper

117 100

82 55.9 44.6 66.8

119 32.4 25.4 38.0

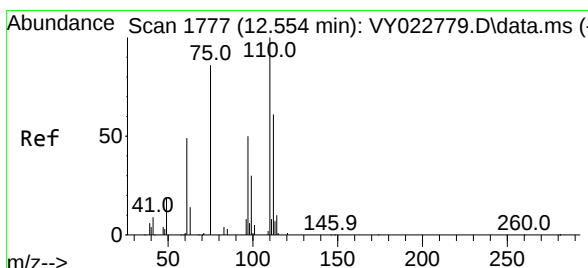
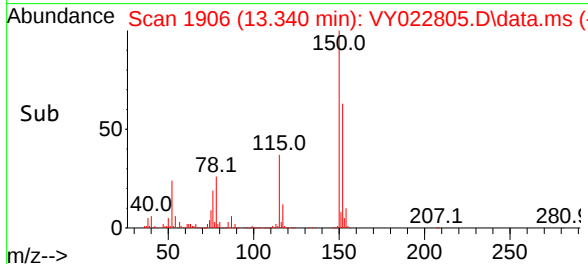
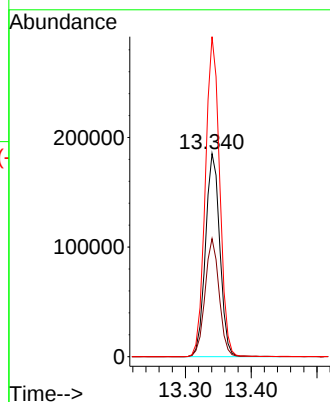
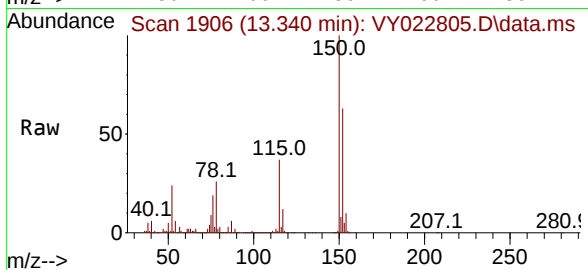




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022805.D
 Acq: 24 Jun 2025 18:13

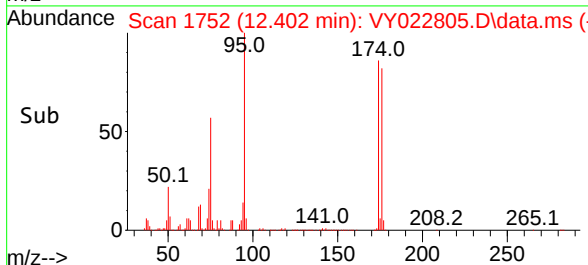
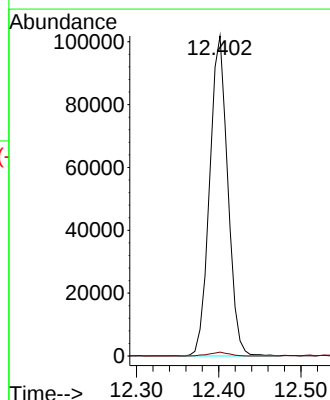
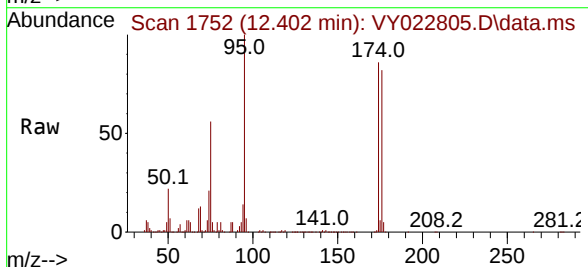
Instrument :
 MSVOA_Y
 ClientSampleId :
 ARS 20-006

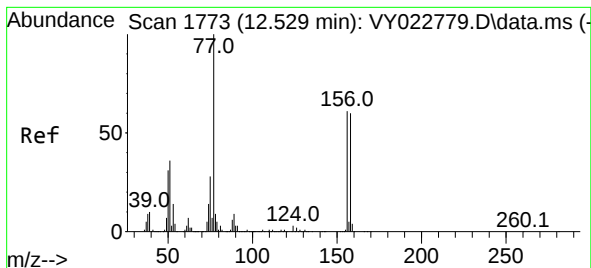
Tgt Ion:152 Resp: 280809
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.9 86.7
 150 157.0 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 54.344 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022805.D
 Acq: 24 Jun 2025 18:13

Tgt Ion: 75 Resp: 155795
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#77

Bromobenzene

Concen: 1.108 ug/l

RT: 12.572 min Scan# 1773

Delta R.T. 0.036 min

Lab File: VY022805.D

Acq: 24 Jun 2025 18:13

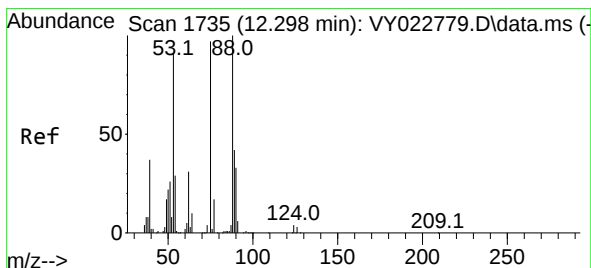
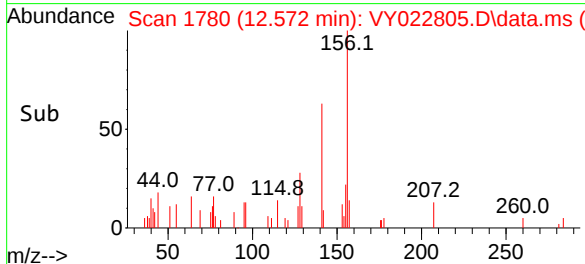
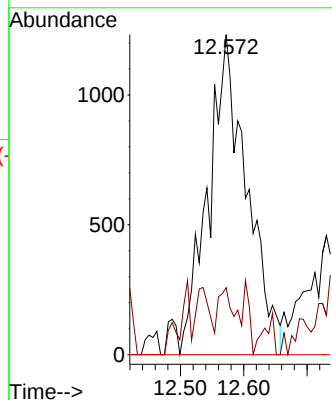
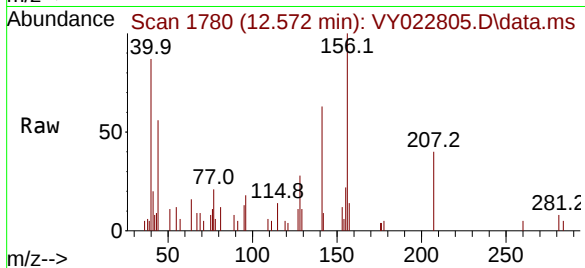
Instrument :

MSVOA_Y

ClientSampleId :

ARS 20-006

Tgt Ion:	156	Resp:	5214
Ion Ratio	Lower	Upper	
156	100		
77	7.3	94.0	282.1#
158	0.0	48.2	144.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.295 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022805.D

Acq: 24 Jun 2025 18:13

Tgt Ion:	75	Resp:	155795
Ion Ratio	Lower	Upper	
75	100		
53	0.1	78.5	117.7#
89	0.0	35.7	53.5#

