

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023172.D
 Acq On : 20 Aug 2025 13:48
 Operator : SY/MD
 Sample : Q2879-17
 Misc : 3.51g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP11-081425RE

Quant Time: Aug 20 15:24:41 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)

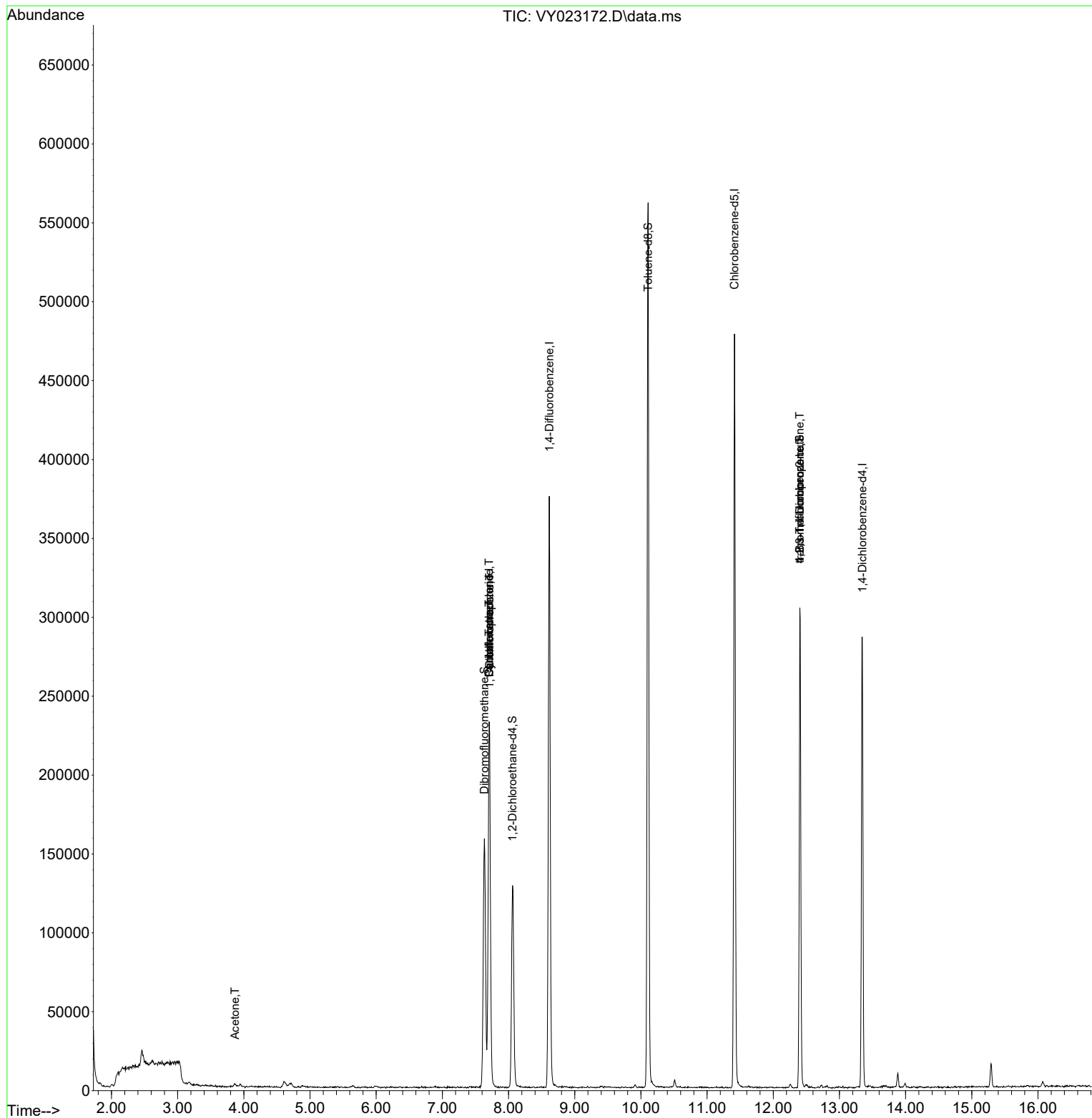
Internal Standards						
1) Pentafluorobenzene	7.707	168	182608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	323352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	259490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	77921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104802	60.218	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.440%	
35) Dibromofluoromethane	7.634	113	114111	58.977	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.960%	
50) Toluene-d8	10.109	98	376590	49.823	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.640%	
62) 4-Bromofluorobenzene	12.402	95	92900	38.217	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.440%	
Target Compounds						Qvalue
16) Acetone	3.867	43	3171	8.410	ug/l #	64
20) Methylene Chloride	4.604	84	2589	Below Cal	#	80
31) Cyclohexane	7.707	56	3788	1.169	ug/l #	30
36) 1,1-Dichloropropene	7.713	75	14842	5.162	ug/l #	49
38) Carbon Tetrachloride	7.707	117	18718	5.993	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	49198	65.421	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	49198	158.364	ug/l #	14

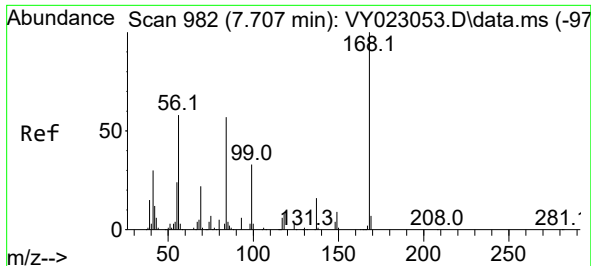
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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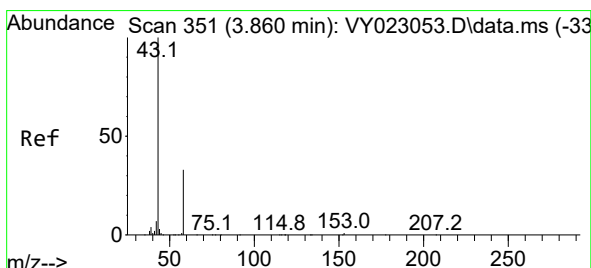
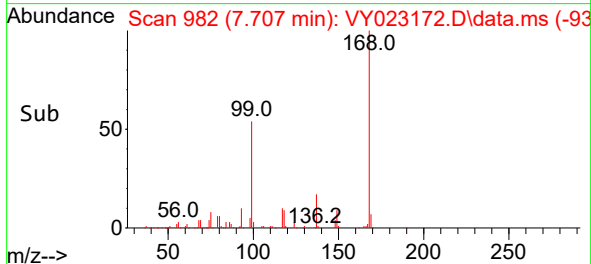
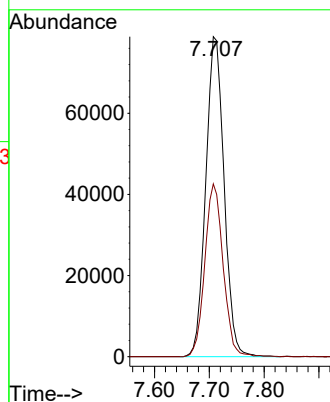
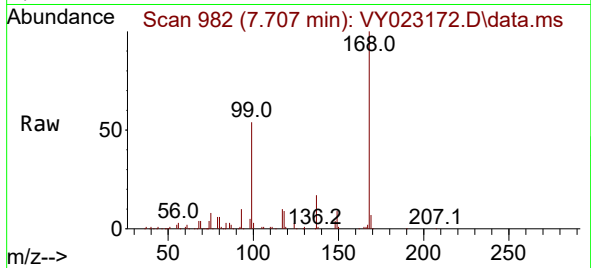




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

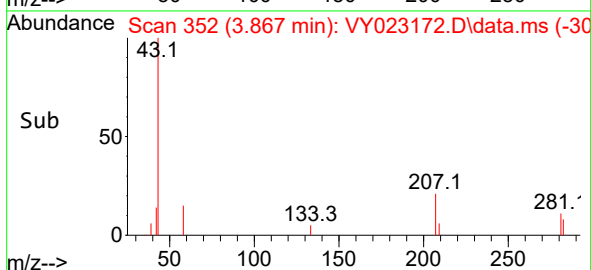
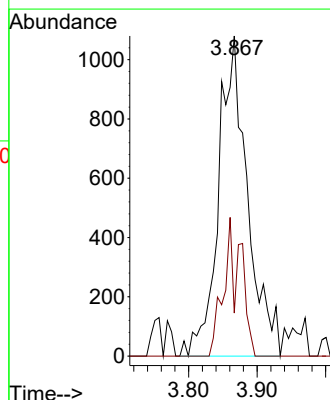
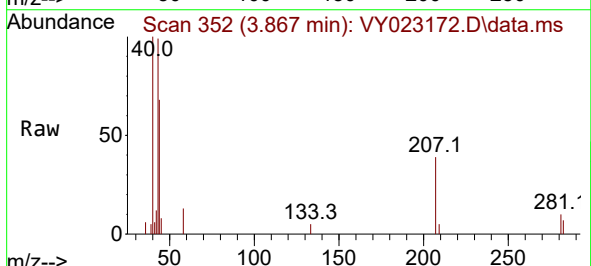
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425RE

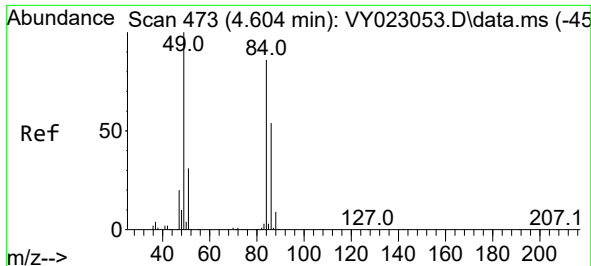
Tgt Ion:168 Resp: 182608
Ion Ratio Lower Upper
168 100
99 54.0 42.8 64.2



#16
Acetone
Concen: 8.410 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Tgt Ion: 43 Resp: 3171
Ion Ratio Lower Upper
43 100
58 13.4 27.1 40.7#

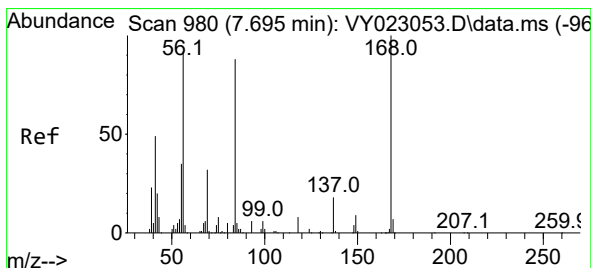
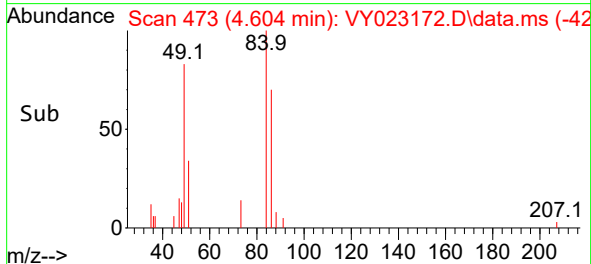
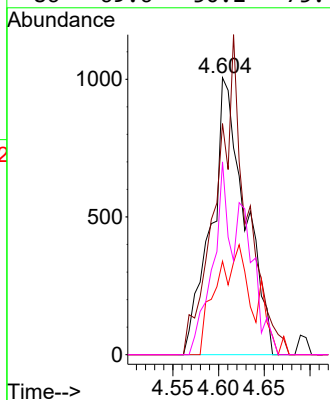
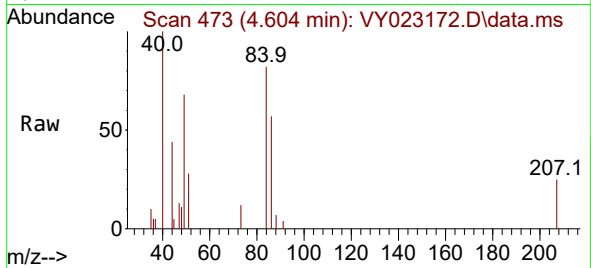




#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

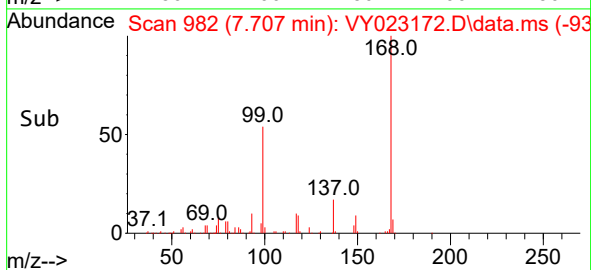
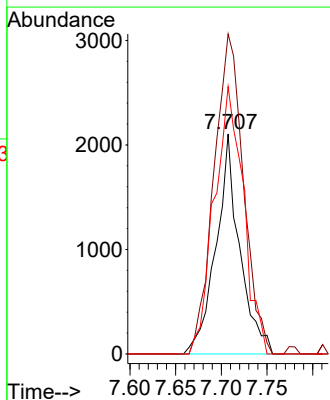
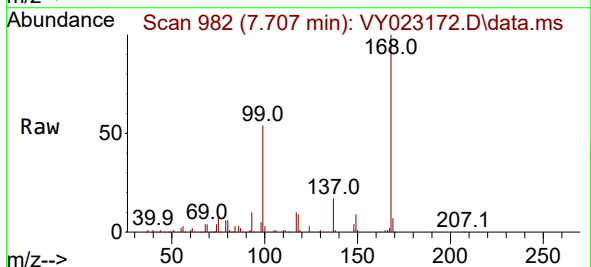
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425RE

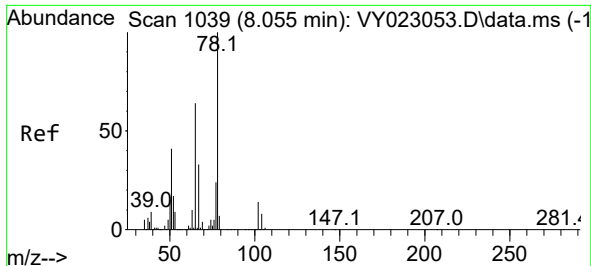
Tgt Ion:	84	Resp:	2589
Ion	Ratio	Lower	Upper
84	100		
49	83.4	93.0	139.6#
51	33.7	29.0	43.4
86	69.6	50.2	75.4



#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Tgt Ion:	56	Resp:	3788
Ion	Ratio	Lower	Upper
56	100		
69	145.5	28.2	42.2#
84	121.6	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 60.218 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023172.D

Acq: 20 Aug 2025 13:48

Instrument :

MSVOA_Y

ClientSampleId :

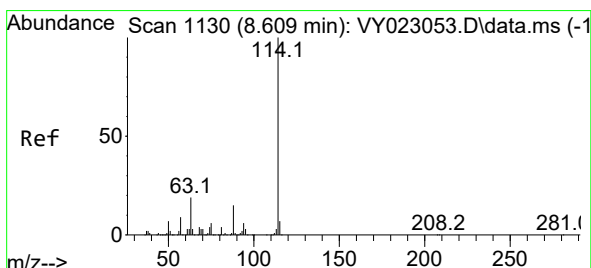
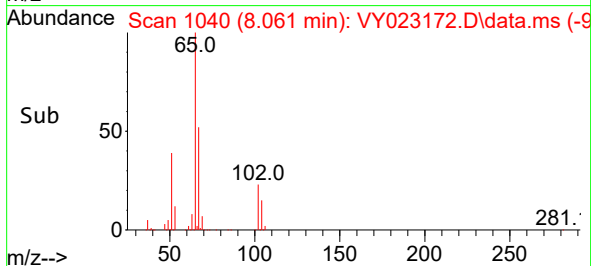
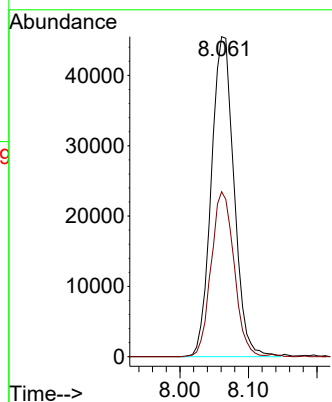
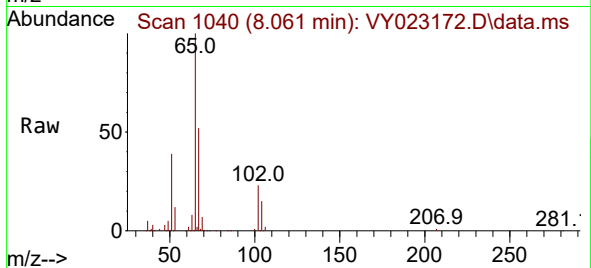
OU4-TS-GRILLO-TSCP11-081425RE

Tgt Ion: 65 Resp: 104802

Ion Ratio Lower Upper

65 100

67 52.0 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: VY023172.D

Acq: 20 Aug 2025 13:48

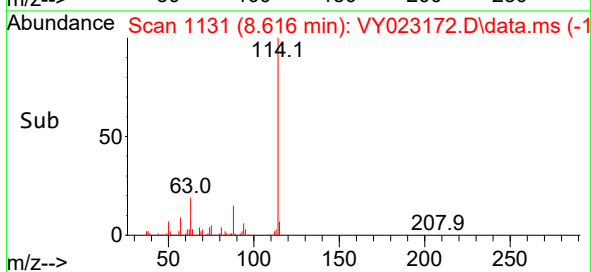
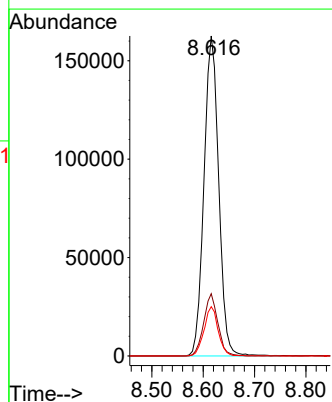
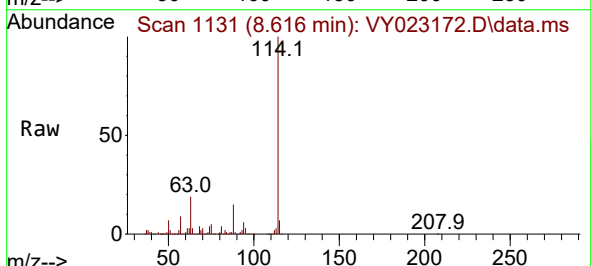
Tgt Ion: 114 Resp: 323352

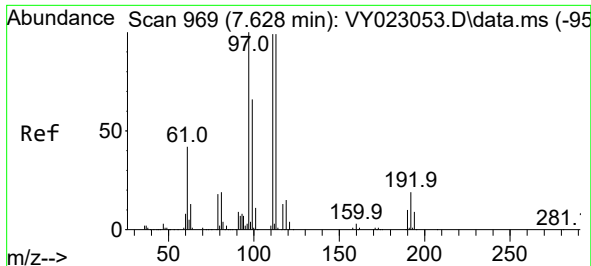
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

88 15.4 0.0 30.0

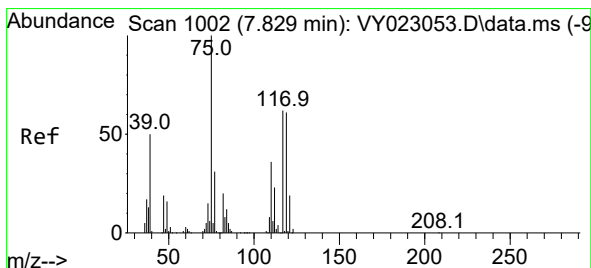
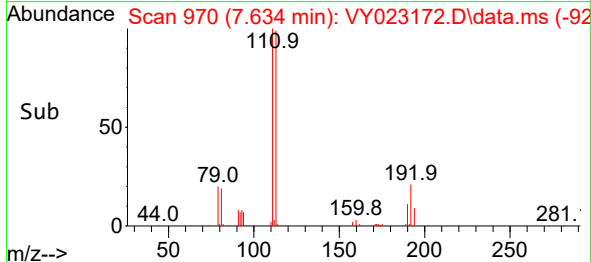
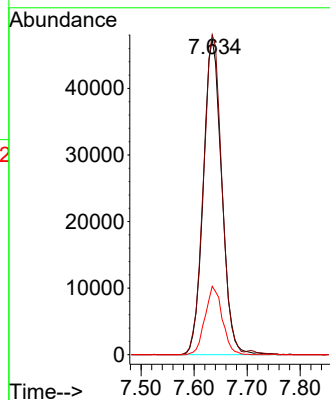
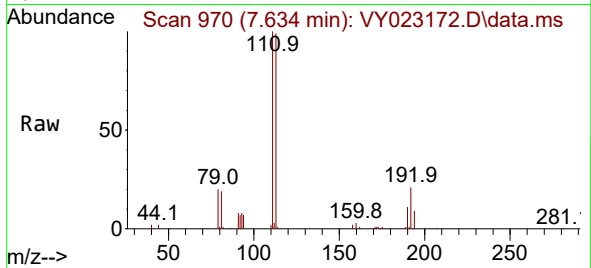




#35
Dibromofluoromethane
Concen: 58.977 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

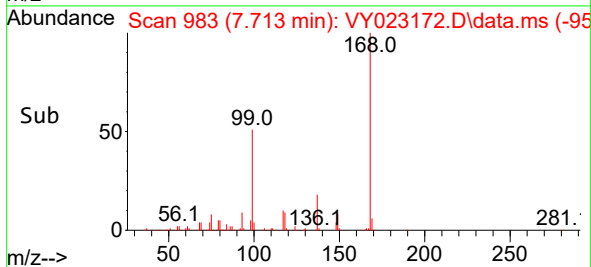
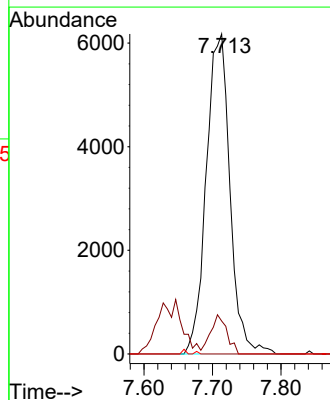
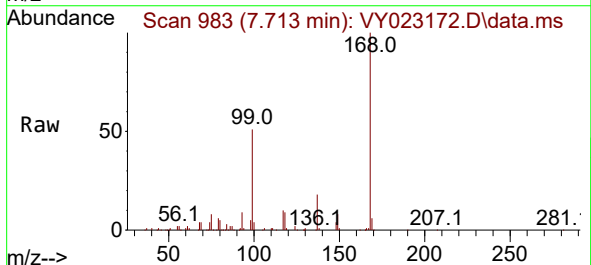
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425RE

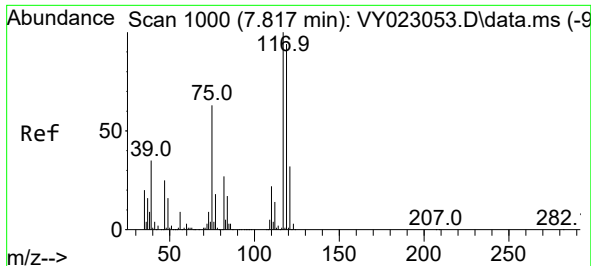
Tgt Ion:113 Resp: 114111
Ion Ratio Lower Upper
113 100
111 101.4 81.1 121.7
192 20.3 16.2 24.4



#36
1,1-Dichloropropene
Concen: 5.162 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Tgt Ion: 75 Resp: 14842
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 24.6 37.0#

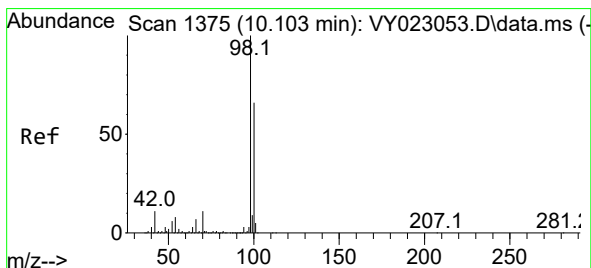
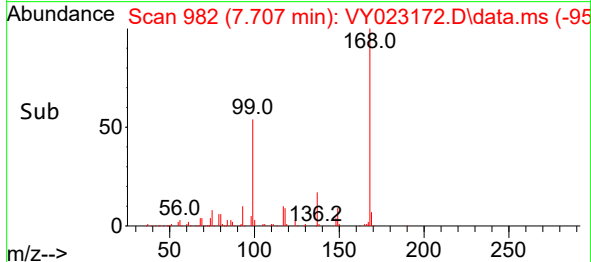
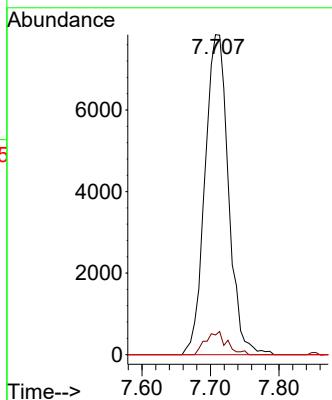
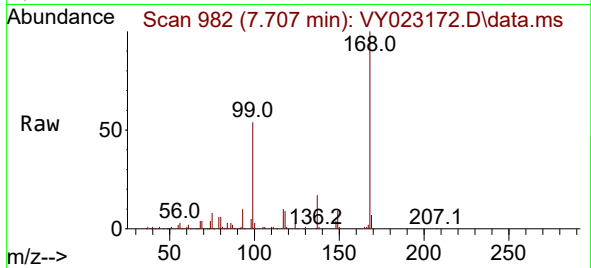




#38
Carbon Tetrachloride
Concen: 5.993 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

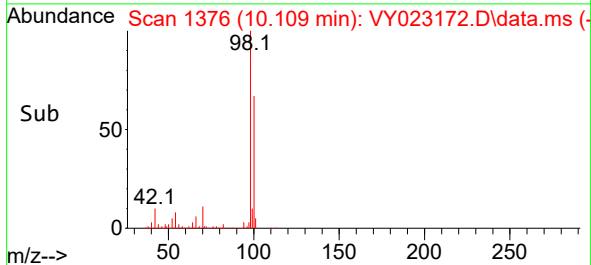
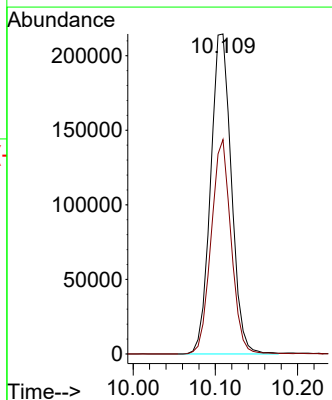
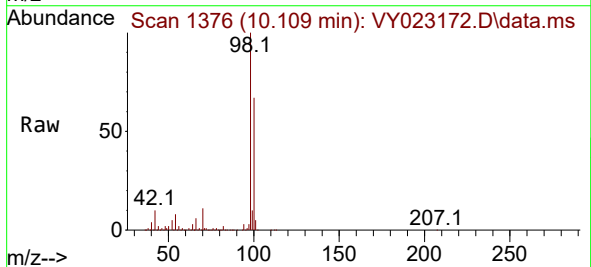
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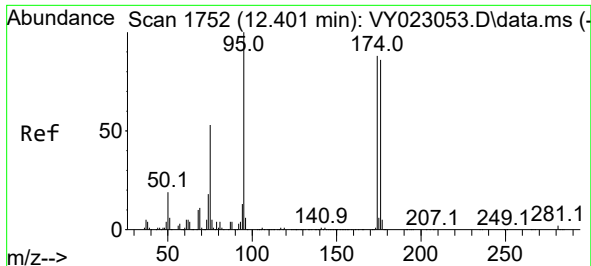
Tgt Ion:117 Resp: 18718
Ion Ratio Lower Upper
117 100
119 6.1 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 49.823 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Tgt Ion: 98 Resp: 376590
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5

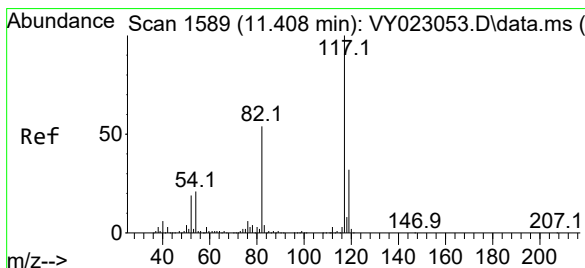
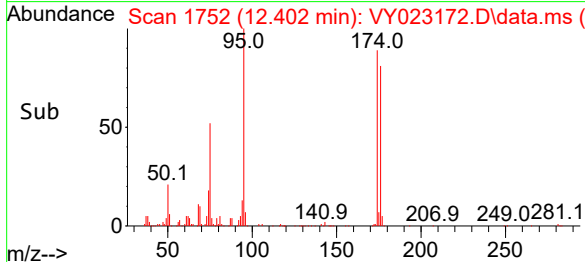
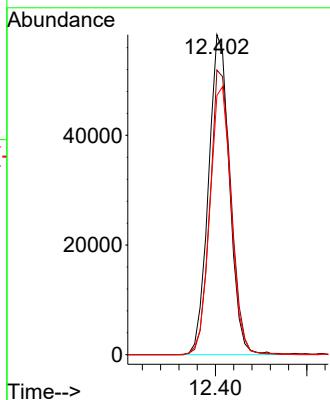
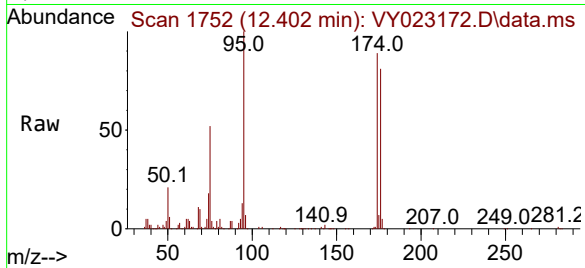




#62
4-Bromofluorobenzene
Concen: 38.217 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

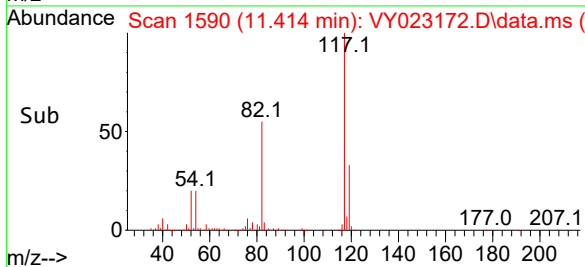
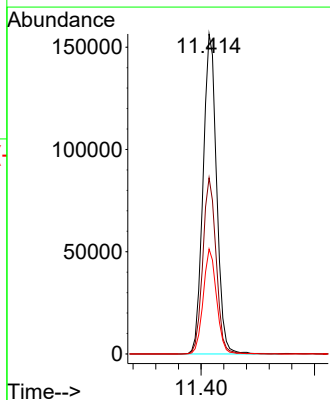
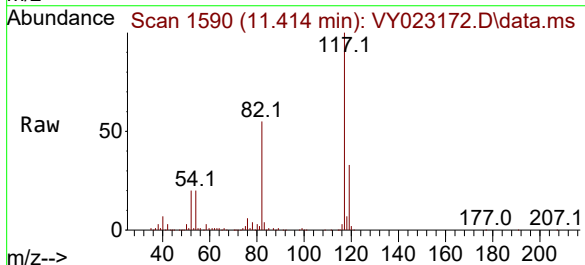
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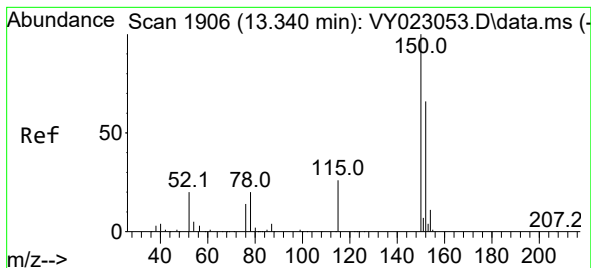
Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	171.6
176	85.7	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.4	65.0
119	32.8	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023172.D

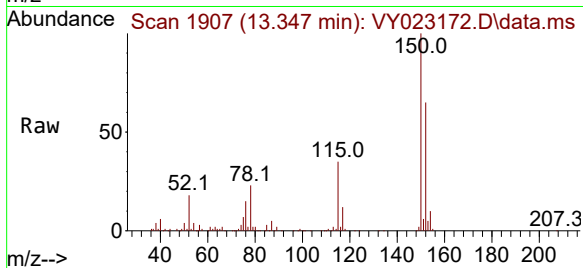
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Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP11-081425RE



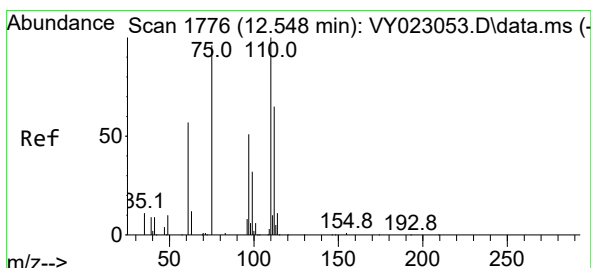
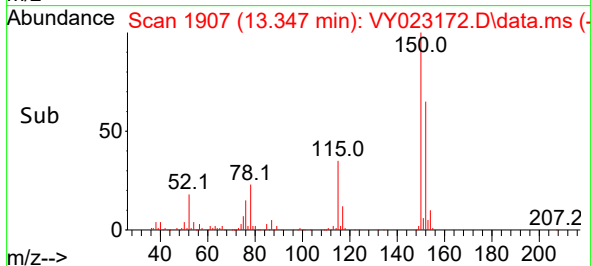
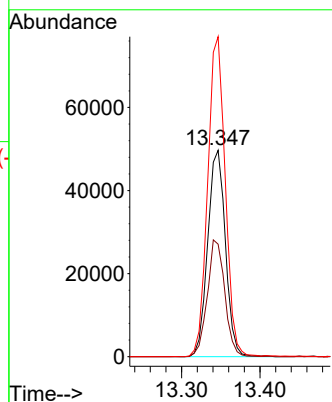
Tgt Ion:152 Resp: 77921

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.6

150 153.5 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 65.421 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023172.D

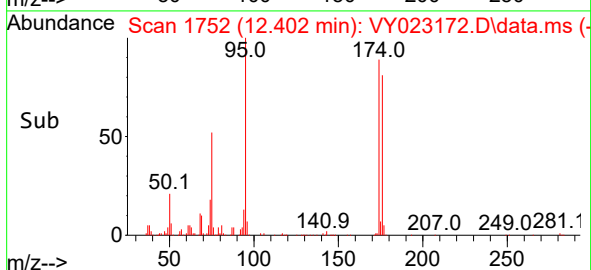
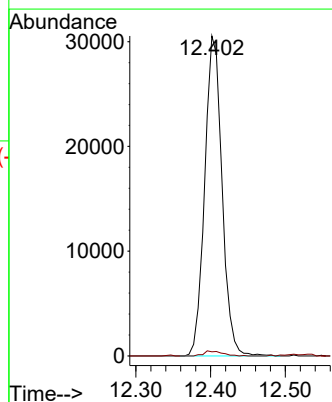
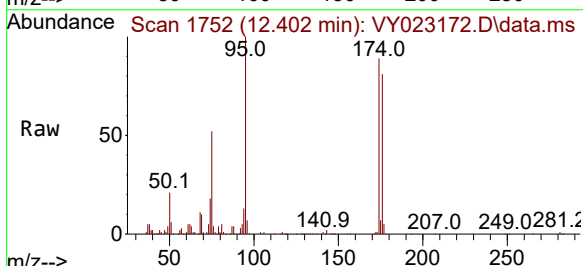
Acq: 20 Aug 2025 13:48

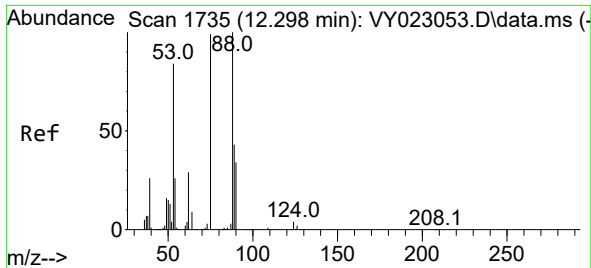
Tgt Ion: 75 Resp: 49198

Ion Ratio Lower Upper

75 100

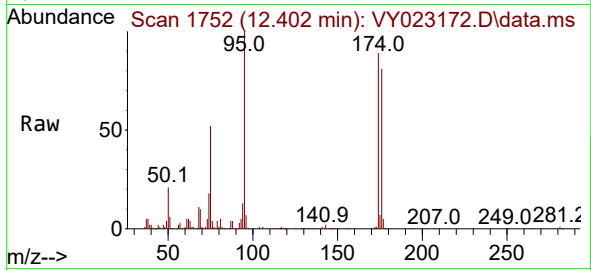
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.364 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023172.D
 Acq: 20 Aug 2025 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP11-081425RE



Tgt Ion: 75 Resp: 49198
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.8 106.2#
 89 0.1 38.1 57.1#

