

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023149.D
 Acq On : 19 Aug 2025 14:28
 Operator : SY/MD
 Sample : Q2879-03
 Misc : 3.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP04-081425

Quant Time: Aug 20 01:30:26 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)

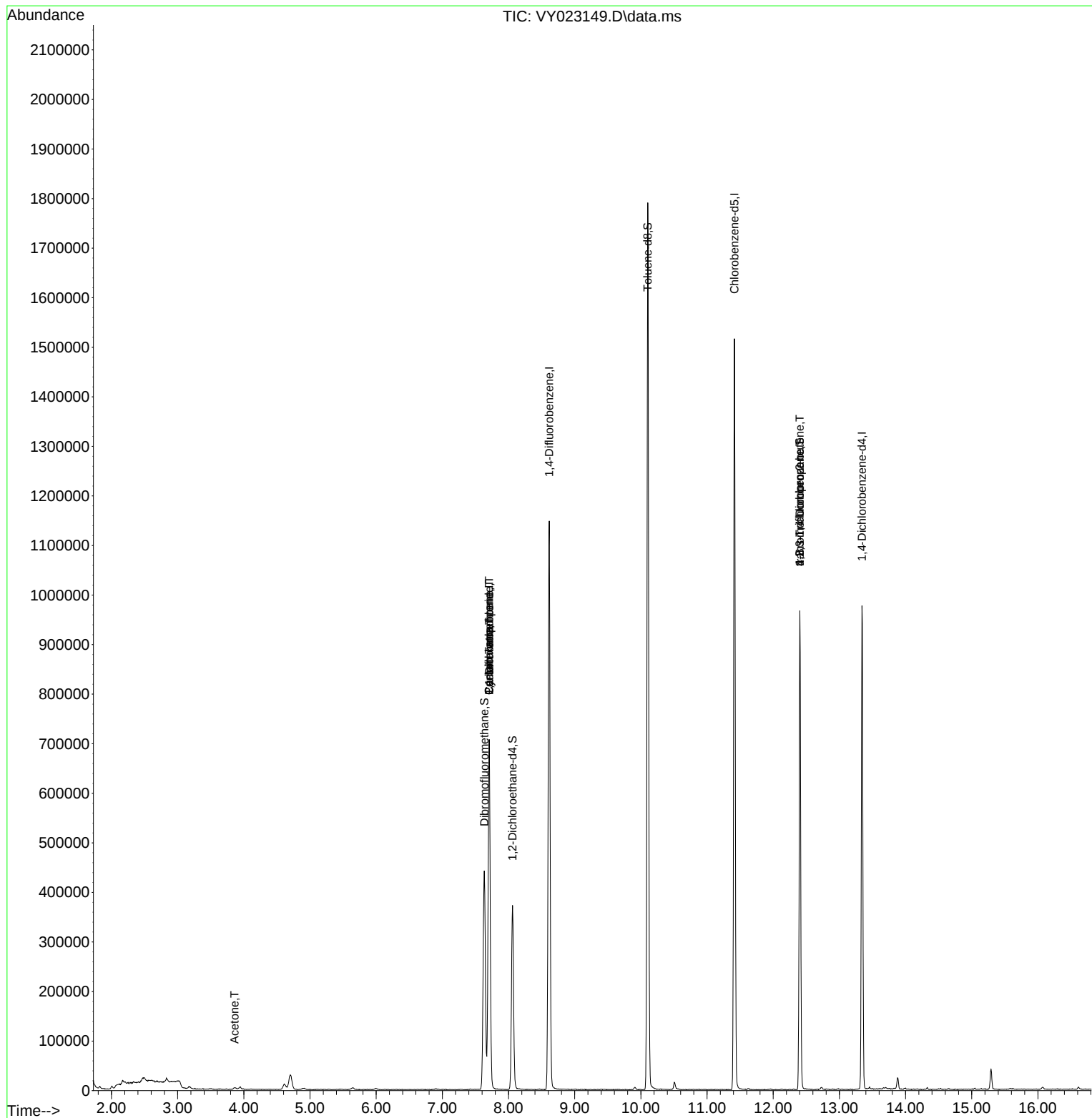
Internal Standards						
1) Pentafluorobenzene	7.707	168	546091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1004277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	807590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	252835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	287362	55.213	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.420%	
35) Dibromofluoromethane	7.634	113	318204	52.952	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.900%	
50) Toluene-d8	10.103	98	1177936	50.177	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.360%	
62) 4-Bromofluorobenzene	12.401	95	285561	37.824	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 75.640%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	5808	5.151	ug/l	92
20) Methylene Chloride	4.610	84	8118	Below Cal		98
31) Cyclohexane	7.707	56	10828	1.117	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	41058	4.597	ug/l #	50
38) Carbon Tetrachloride	7.707	117	53841	5.551	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	147799	60.570	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	147799	146.621	ug/l #	14

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

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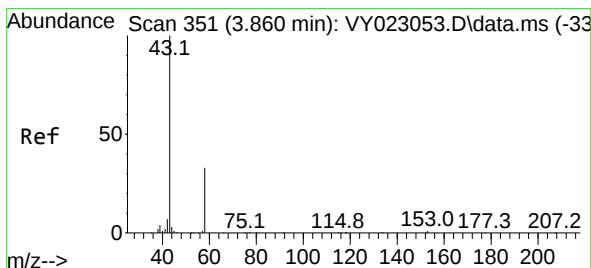
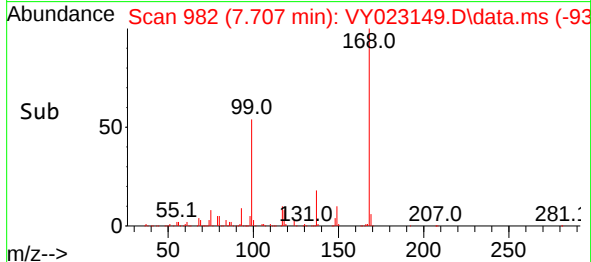
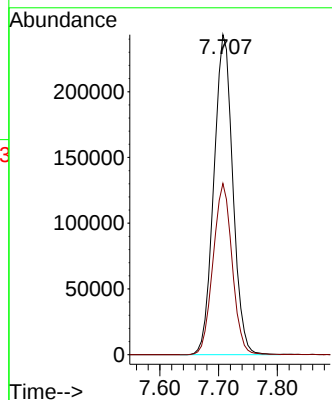
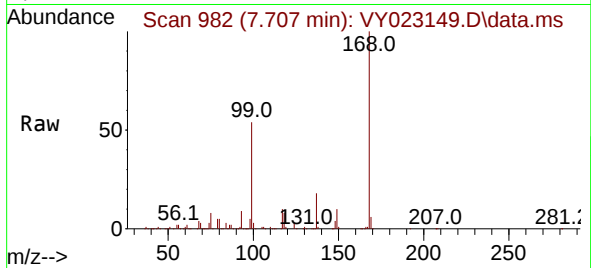




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023149.D
Acq: 19 Aug 2025 14:28

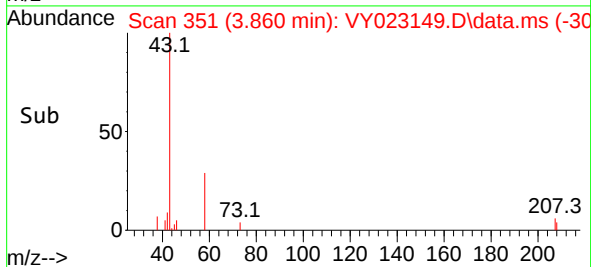
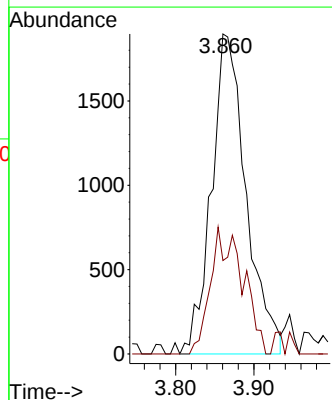
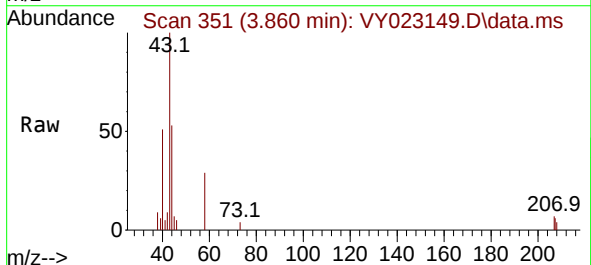
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

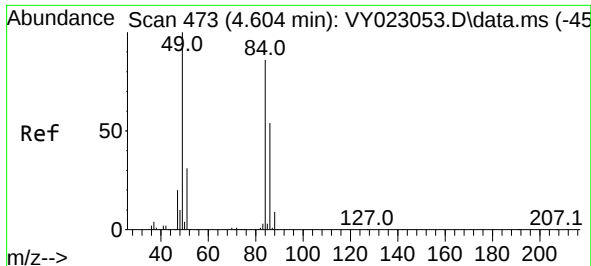
Tgt Ion:168 Resp: 546091
Ion Ratio Lower Upper
168 100
99 53.5 42.8 64.2



#16
Acetone
Concen: 5.151 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY023149.D
Acq: 19 Aug 2025 14:28

Tgt Ion: 43 Resp: 5808
Ion Ratio Lower Upper
43 100
58 29.2 27.1 40.7

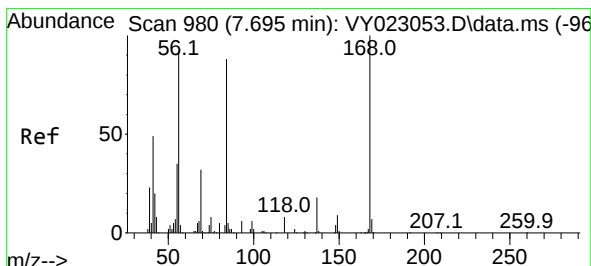
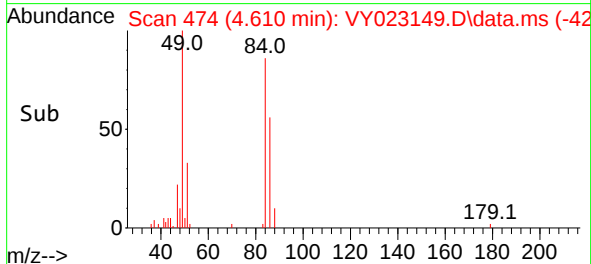
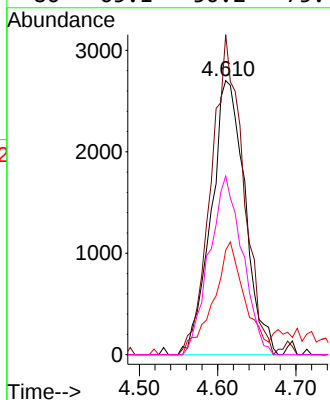
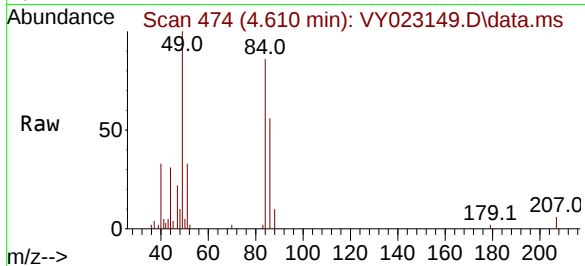




#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023149.D
Acq: 19 Aug 2025 14:28

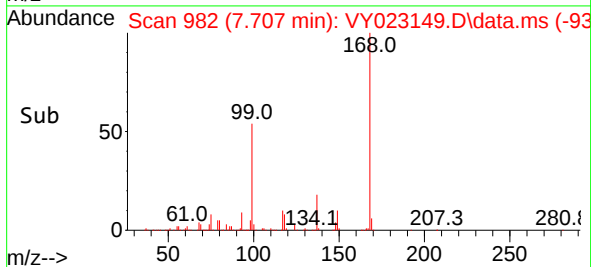
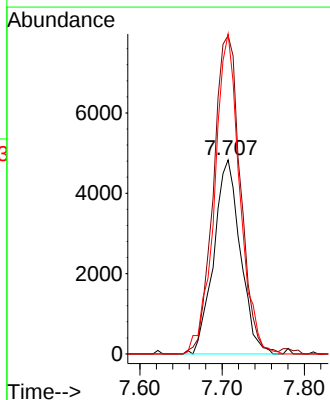
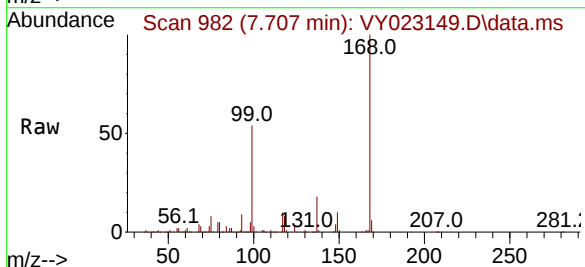
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:	84	Resp:	8118
Ion	Ratio	Lower	Upper
84	100		
49	116.7	93.0	139.6
51	38.1	29.0	43.4
86	65.1	50.2	75.4



#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023149.D
Acq: 19 Aug 2025 14:28

Tgt Ion:	56	Resp:	10828
Ion	Ratio	Lower	Upper
56	100		
69	164.2	28.2	42.2#
84	164.9	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 55.213 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023149.D

Acq: 19 Aug 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

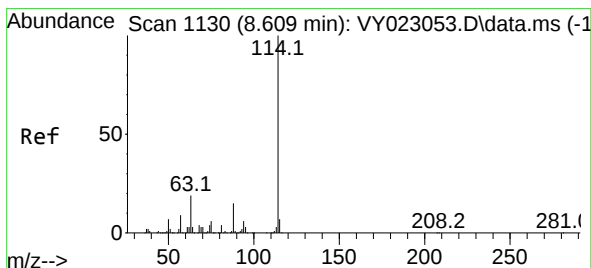
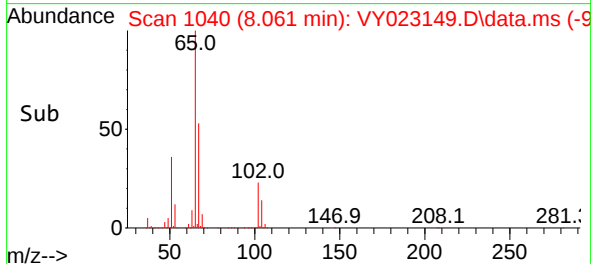
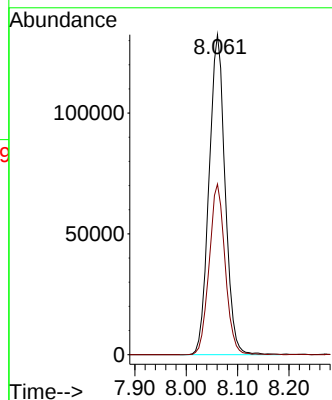
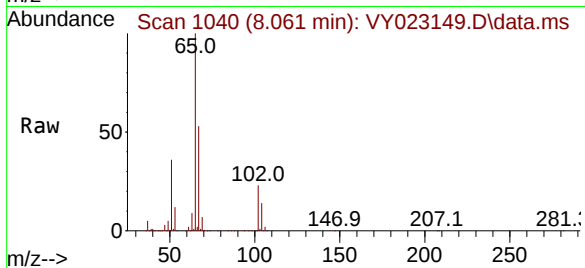
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion: 65 Resp: 287362

Ion Ratio Lower Upper

65 100

67 52.9 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: VY023149.D

Acq: 19 Aug 2025 14:28

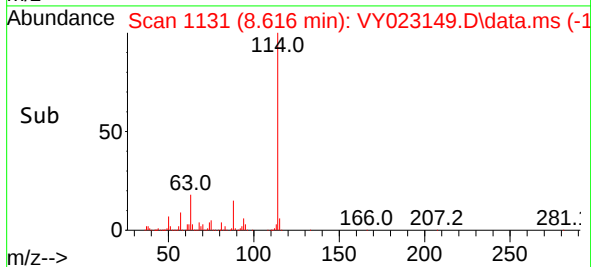
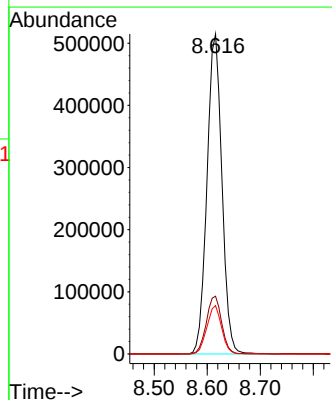
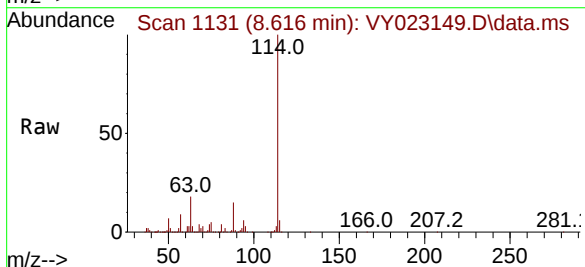
Tgt Ion:114 Resp: 1004277

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 15.1 0.0 30.0

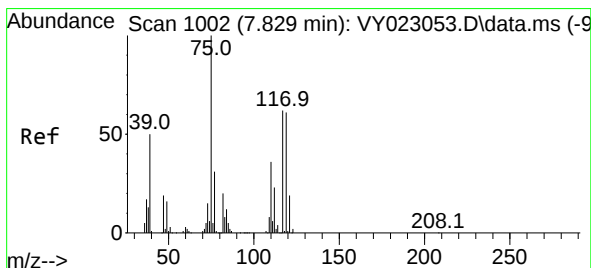
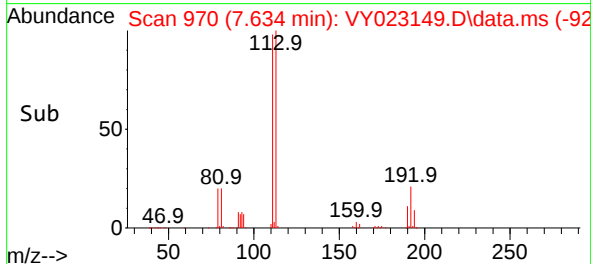
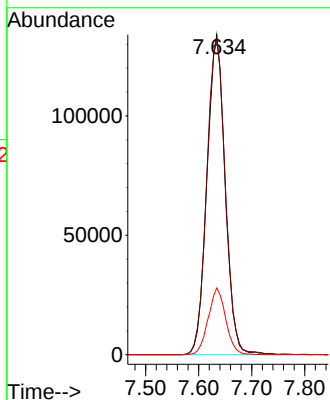
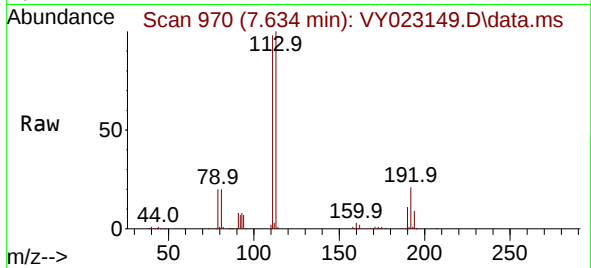




#35
Dibromofluoromethane
Concen: 52.952 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023149.D
Acq: 19 Aug 2025 14:28

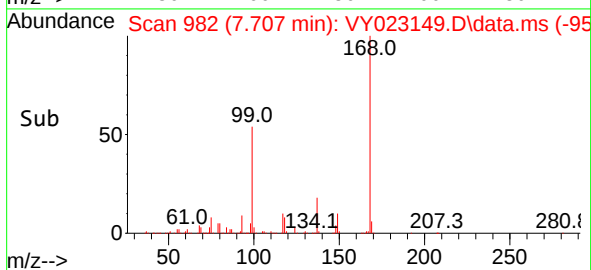
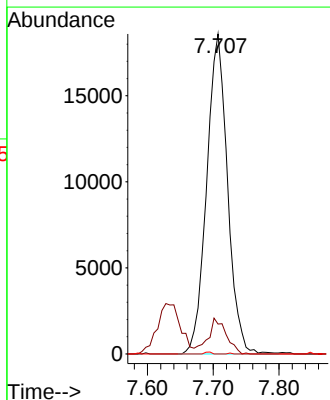
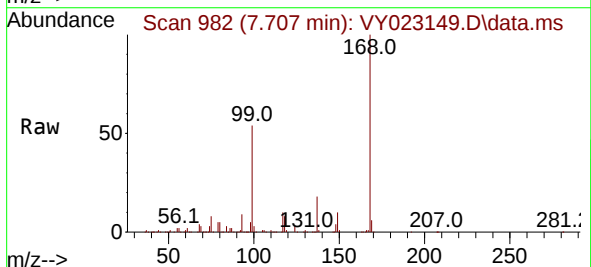
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OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:113 Resp: 318204
Ion Ratio Lower Upper
113 100
111 101.1 81.1 121.7
192 20.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.597 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023149.D
Acq: 19 Aug 2025 14:28

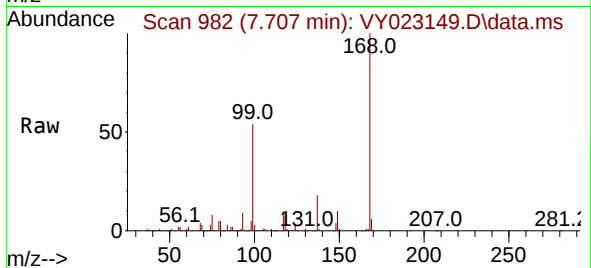
Tgt Ion: 75 Resp: 41058
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.2 24.6 37.0#



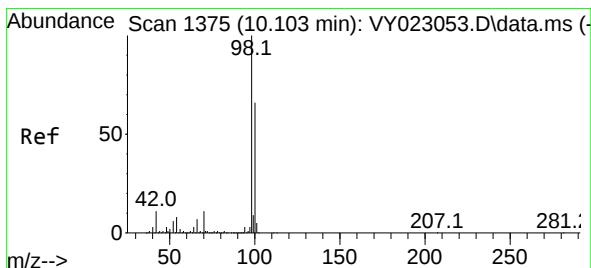
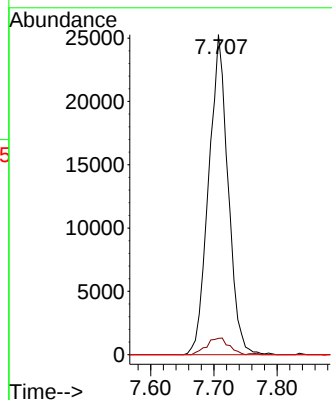
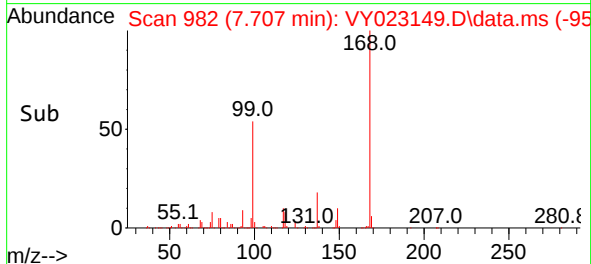


#38
Carbon Tetrachloride
Concen: 5.551 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023149.D
Acq: 19 Aug 2025 14:28

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

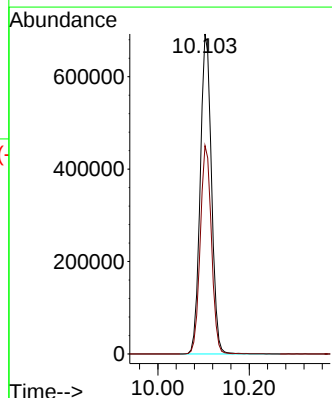
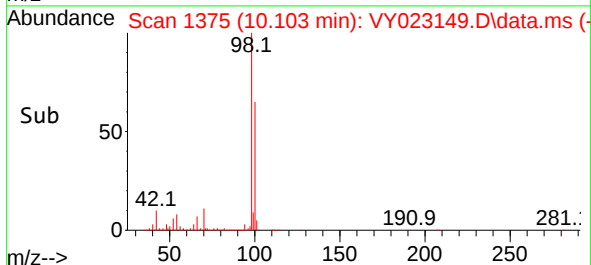
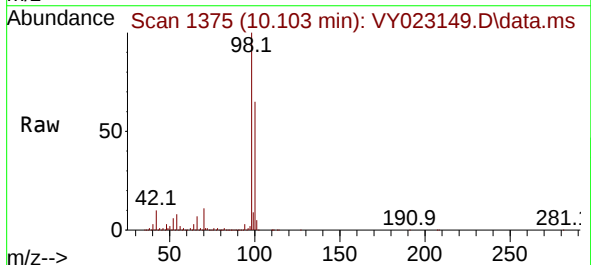


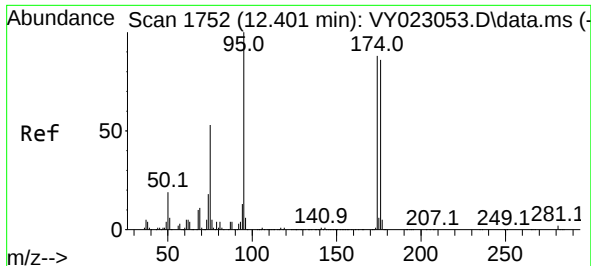
Tgt Ion:117 Resp: 53841
Ion Ratio Lower Upper
117 100
119 5.1 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 50.177 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023149.D
Acq: 19 Aug 2025 14:28

Tgt Ion: 98 Resp: 1177936
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5

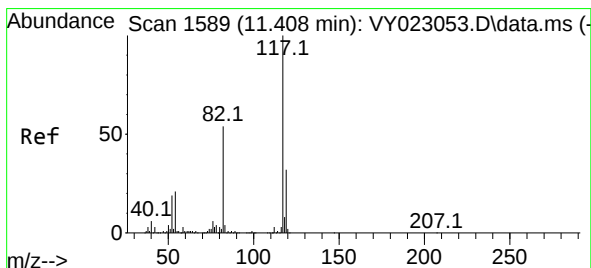
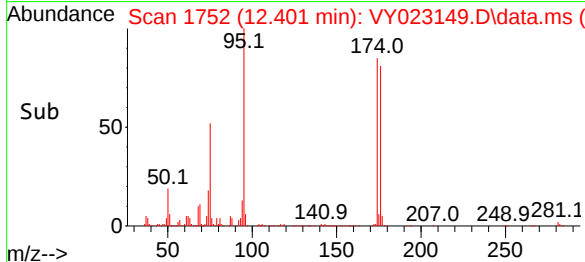
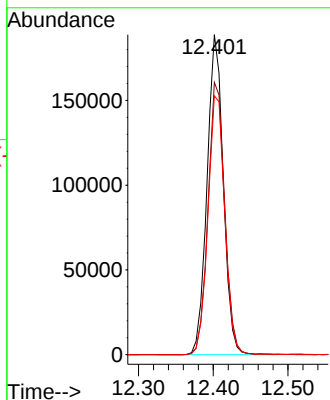
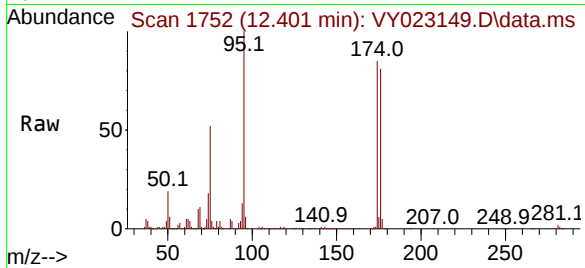




#62
4-Bromofluorobenzene
Concen: 37.824 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023149.D
Acq: 19 Aug 2025 14:28

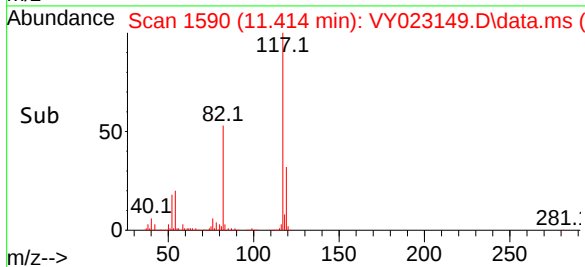
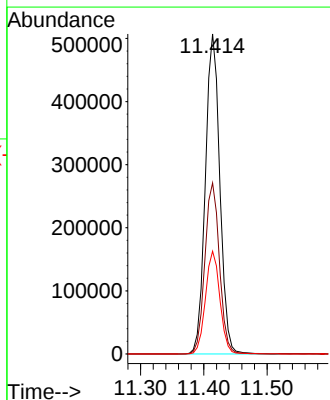
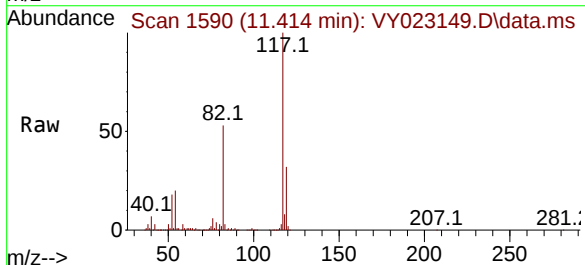
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OU4-TS-GRILLO-TSCP04-081425

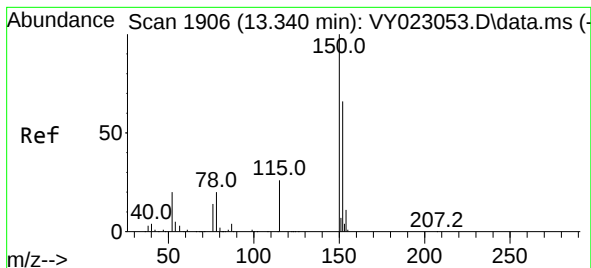
Tgt Ion: 95 Resp: 285561
Ion Ratio Lower Upper
95 100
174 87.7 0.0 171.6
176 83.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023149.D
Acq: 19 Aug 2025 14:28

Tgt Ion: 117 Resp: 807590
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 32.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023149.D

Acq: 19 Aug 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP04-081425

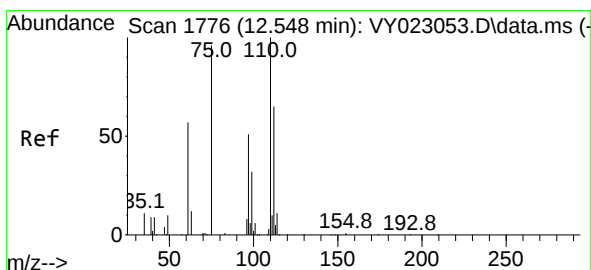
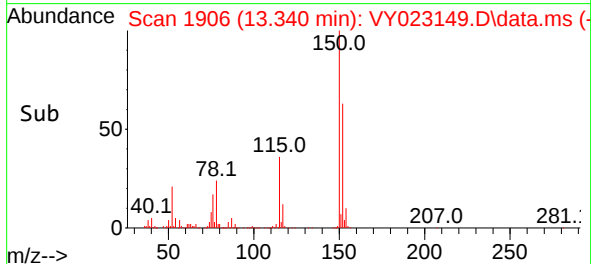
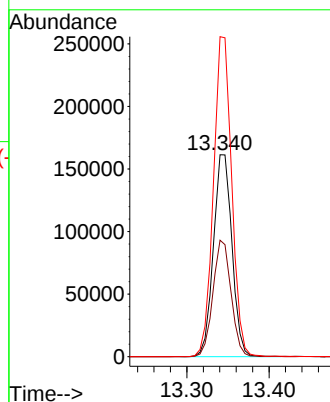
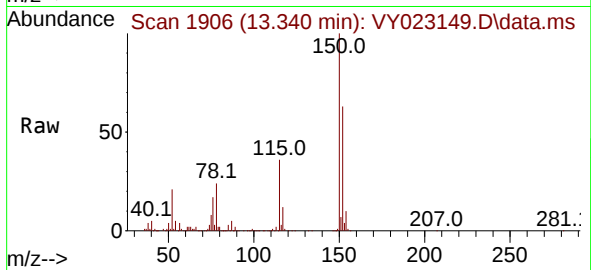
Tgt Ion:152 Resp: 252835

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 155.9 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 60.570 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023149.D

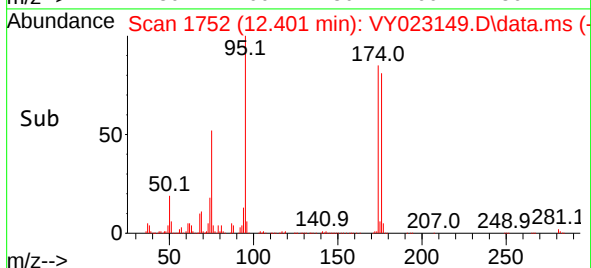
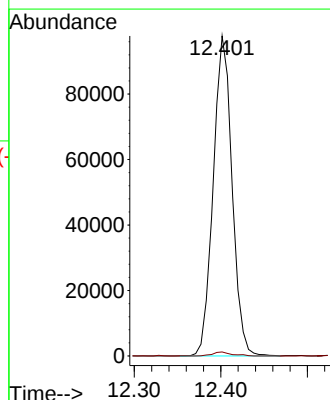
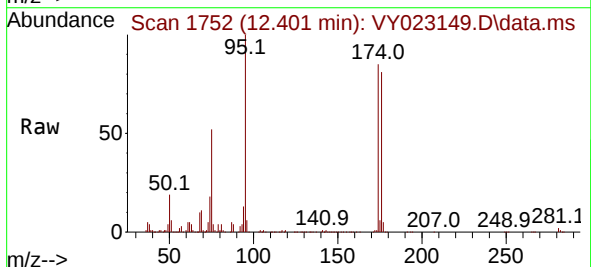
Acq: 19 Aug 2025 14:28

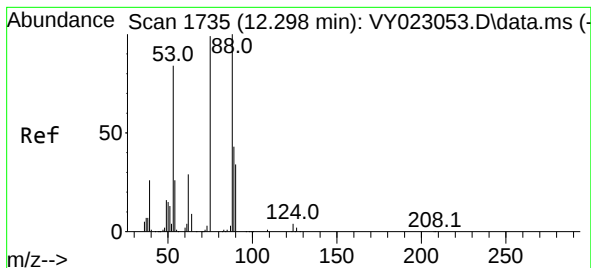
Tgt Ion: 75 Resp: 147799

Ion Ratio Lower Upper

75 100

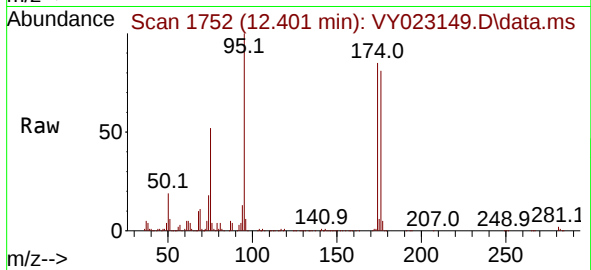
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.621 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023149.D
 Acq: 19 Aug 2025 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP04-081425



Tgt Ion: 75 Resp: 147799
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

