

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023329.D
 Acq On : 10 Sep 2025 13:12
 Operator : SY/MD
 Sample : Q3058-02
 Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPXY4

Quant Time: Sep 11 04:23:09 2025
 Quant Title :
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

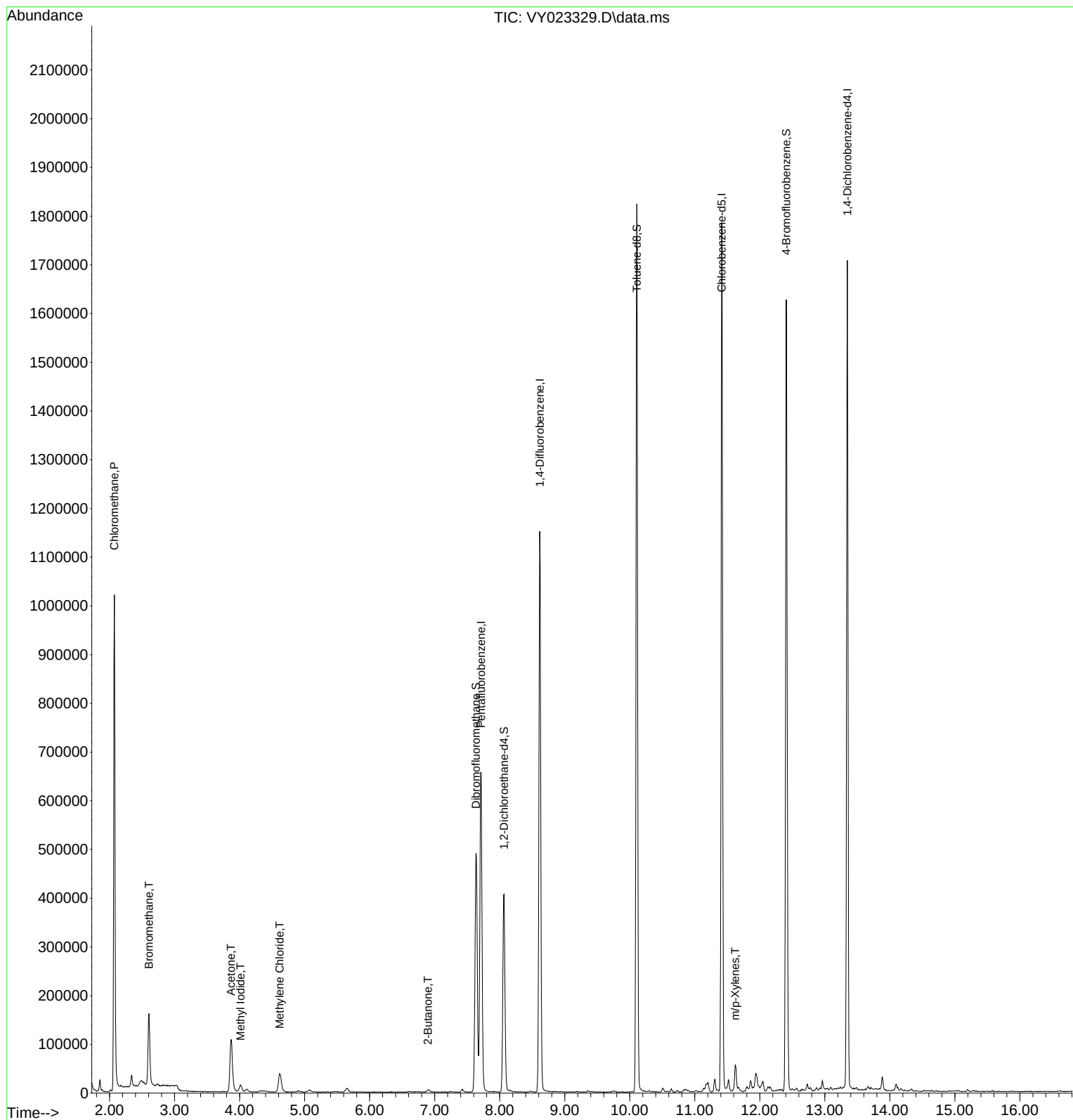
Internal Standards						
1) Pentafluorobenzene	7.713	168	539229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1018906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1004230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	442394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	321894	67.935	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.860%	
35) Dibromofluoromethane	7.634	113	360585	57.895	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.800%	
50) Toluene-d8	10.109	98	1196744	50.886	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.780%	
62) 4-Bromofluorobenzene	12.408	95	410835	55.510	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.020%	
Target Compounds						Qvalue
3) Chloromethane	2.074	50	879022	141.998	ug/l	100
5) Bromomethane	2.604	94	104479	16.407	ug/l	94
10) Methyl Iodide	4.013	142	22484	3.641	ug/l	99
16) Acetone	3.866	43	186911	173.178	ug/l	97
20) Methylene Chloride	4.616	84	30418	5.268	ug/l	95
25) 2-Butanone	6.896	43	7642	5.753	ug/l	94
68) m/p-Xylenes	11.621	106	16972	1.179	ug/l	99

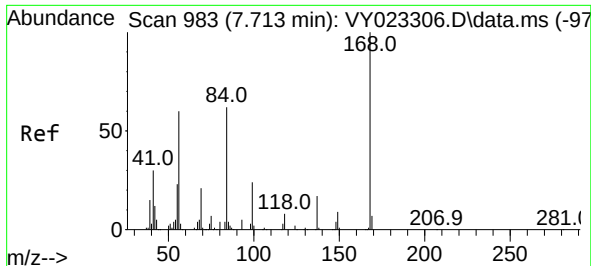
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 11 04:23:09 2025
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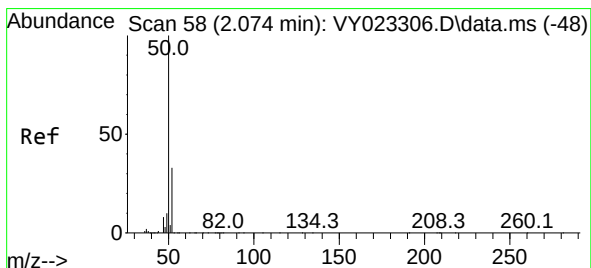
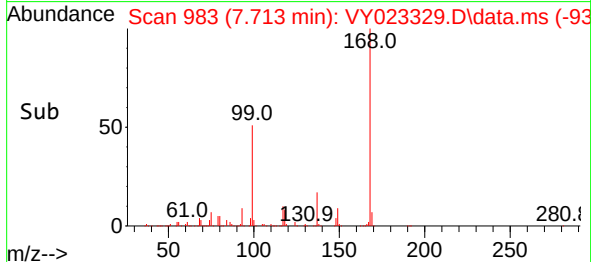
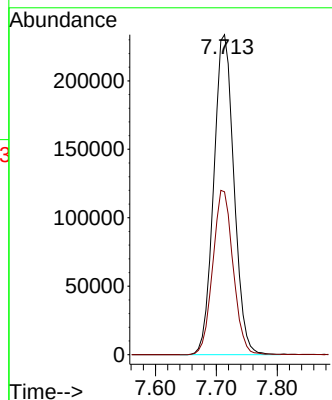
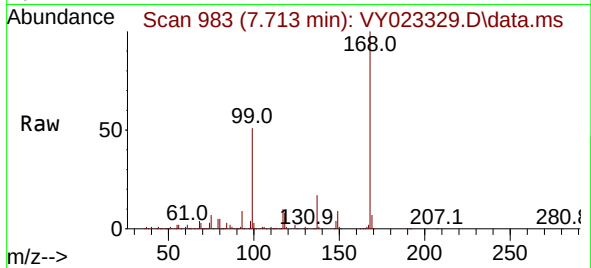




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

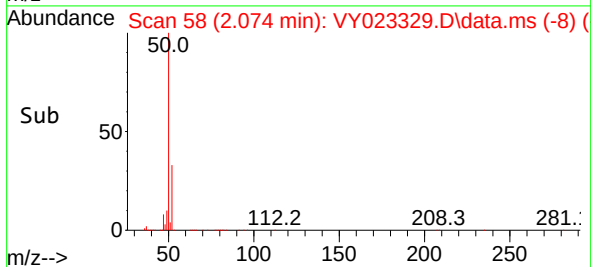
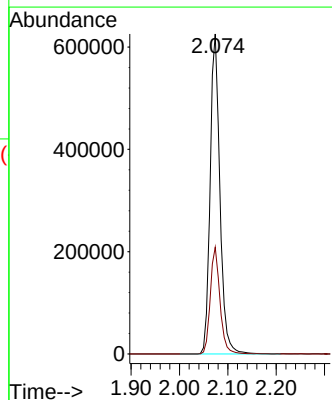
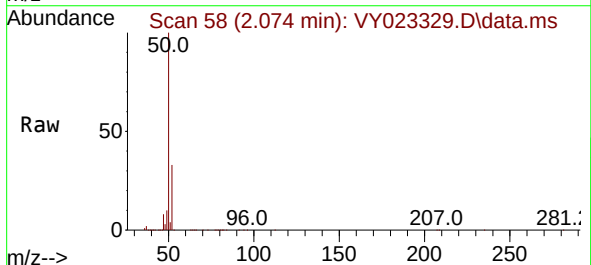
Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

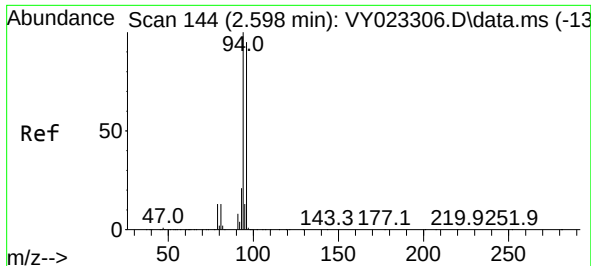
Tgt Ion:168 Resp: 539229
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#3
Chloromethane
Concen: 141.998 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 50 Resp: 879022
Ion Ratio Lower Upper
50 100
52 33.4 26.7 40.1

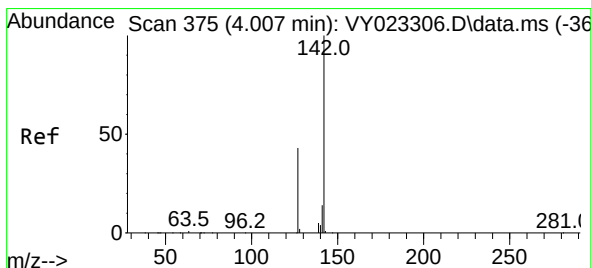
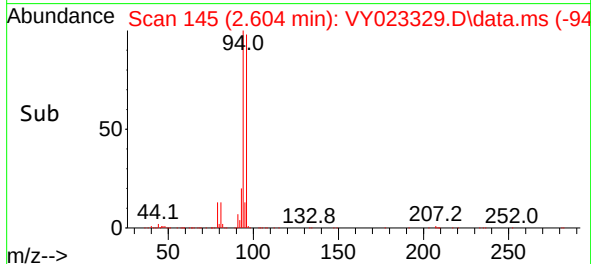
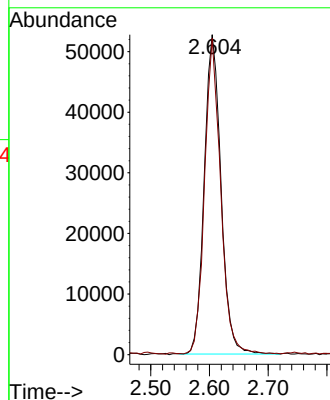
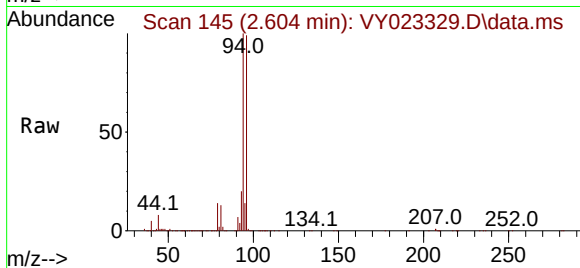




#5
Bromomethane
Concen: 16.407 ug/l
RT: 2.604 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

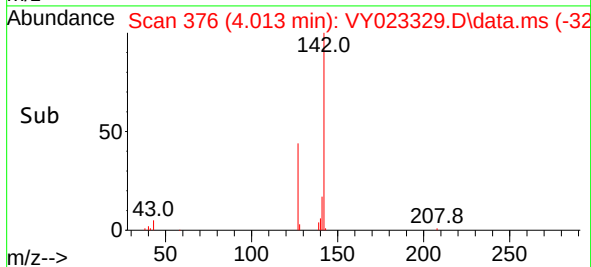
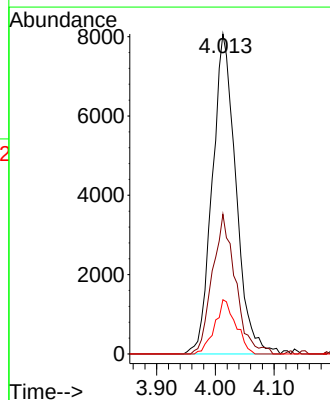
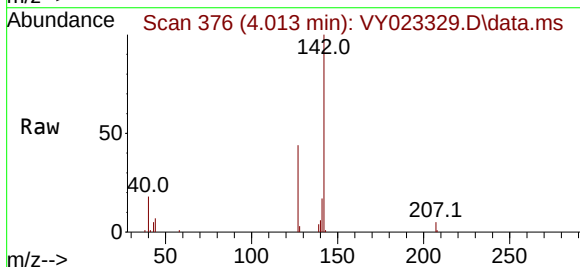
Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

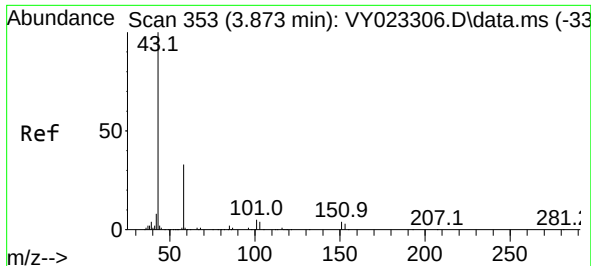
Tgt Ion: 94 Resp: 104479
Ion Ratio Lower Upper
94 100
96 98.7 74.6 112.0



#10
Methyl Iodide
Concen: 3.641 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.018 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 142 Resp: 22484
Ion Ratio Lower Upper
142 100
127 42.9 34.9 52.3
141 15.2 11.3 16.9

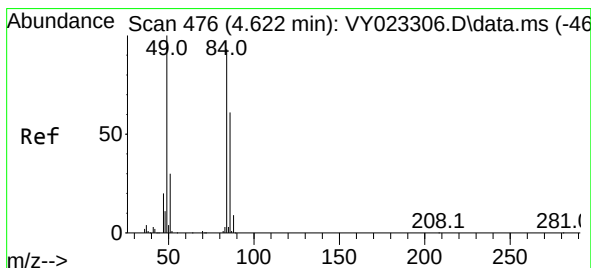
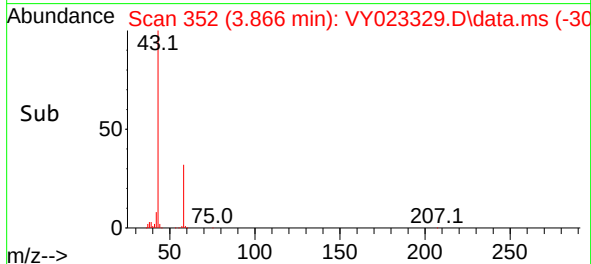
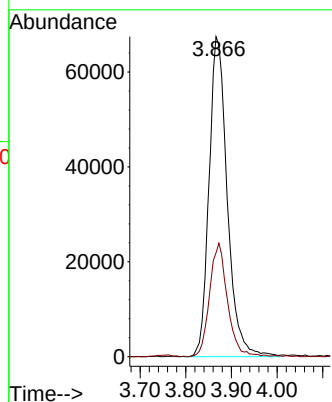
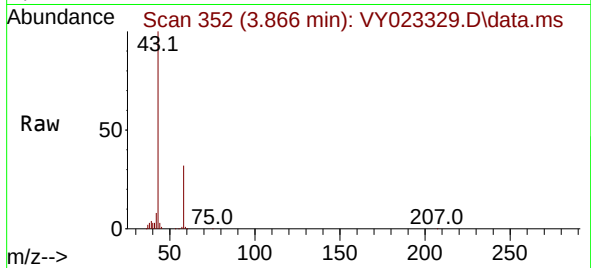




#16
Acetone
Concen: 173.178 ug/l
RT: 3.866 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

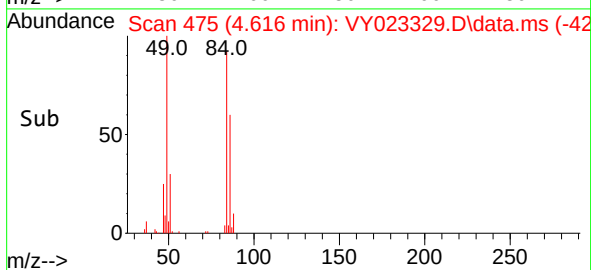
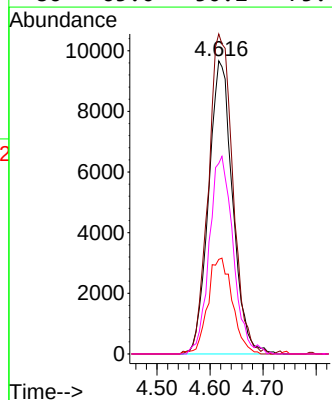
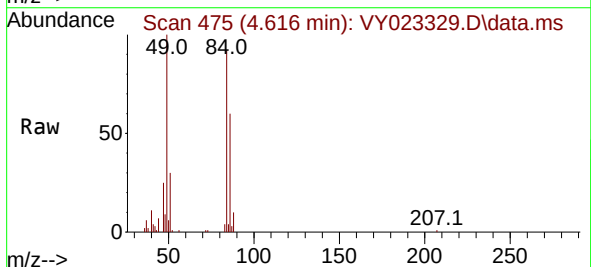
Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

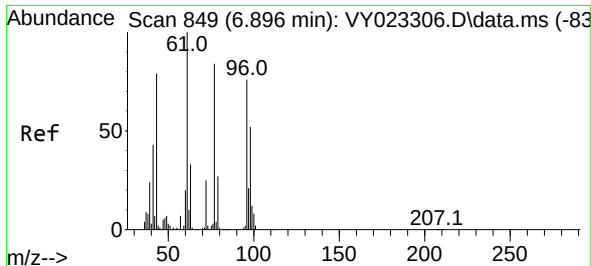
Tgt Ion: 43 Resp: 186911
Ion Ratio Lower Upper
43 100
58 32.4 27.1 40.7



#20
Methylene Chloride
Concen: 5.268 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 84 Resp: 30418
Ion Ratio Lower Upper
84 100
49 109.2 93.0 139.6
51 32.3 29.0 43.4
86 65.0 50.2 75.4





#25

2-Butanone

Concen: 5.753 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY023329.D

Acq: 10 Sep 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

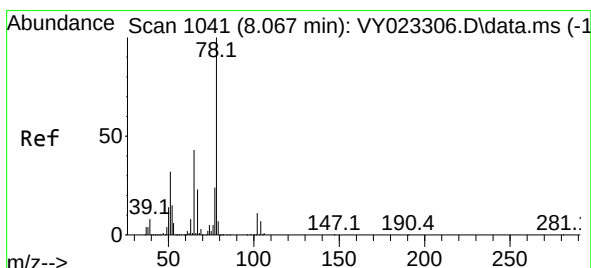
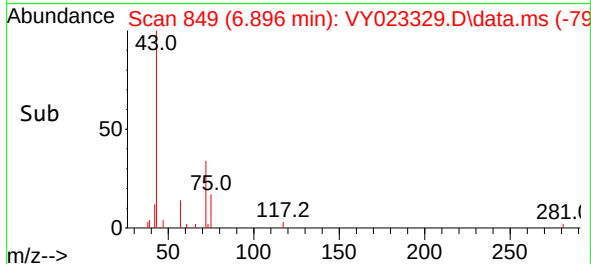
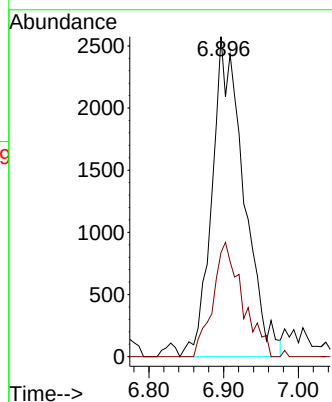
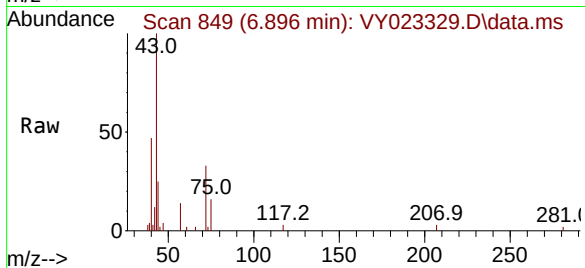
RPXY4

Tgt Ion: 43 Resp: 7642

Ion Ratio Lower Upper

43 100

72 32.6 23.5 35.3



#33

1,2-Dichloroethane-d4

Concen: 67.935 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.012 min

Lab File: VY023329.D

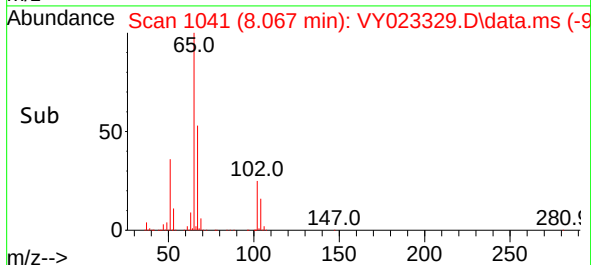
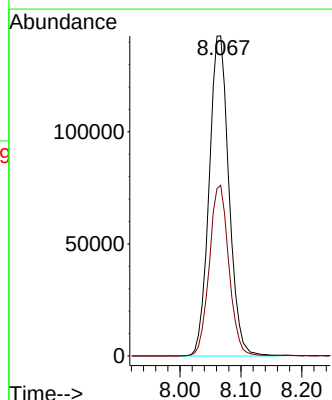
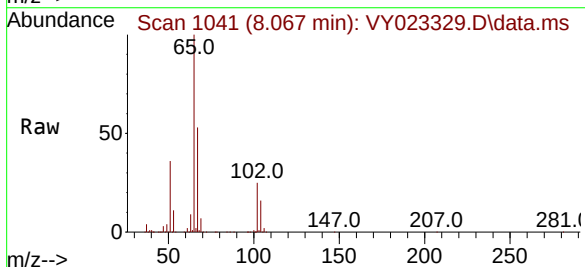
Acq: 10 Sep 2025 13:12

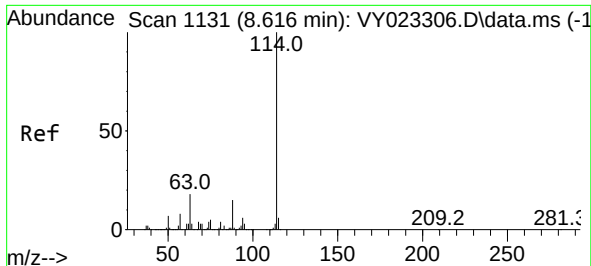
Tgt Ion: 65 Resp: 321894

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.8

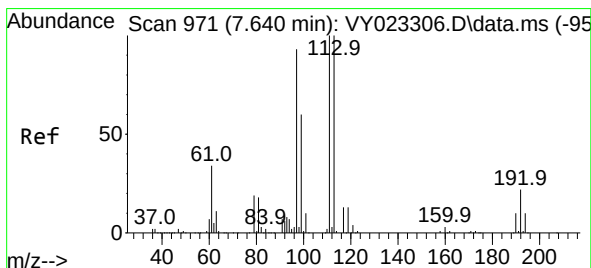
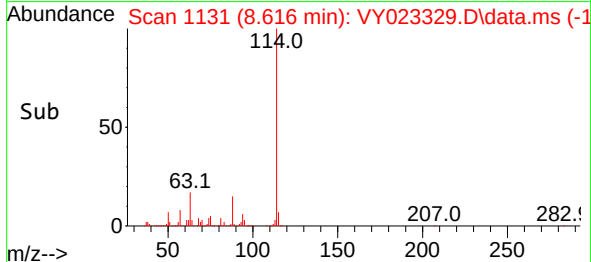
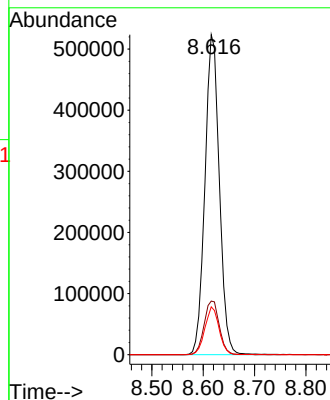
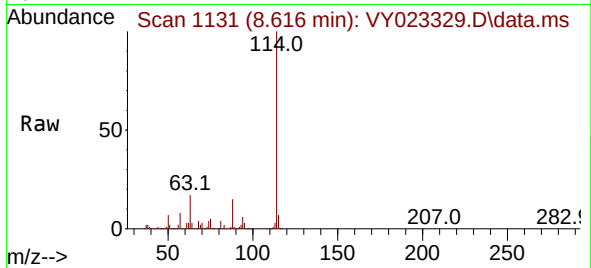




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

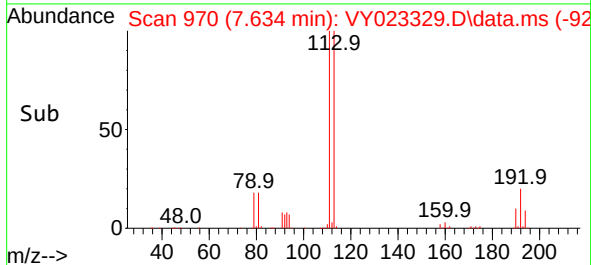
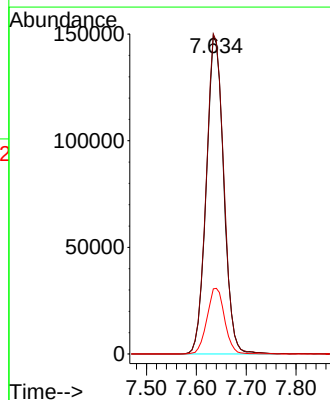
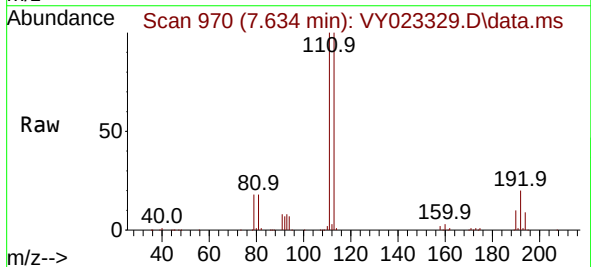
Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

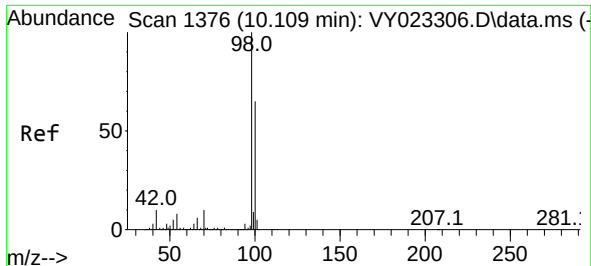
Tgt Ion:114 Resp: 1018906
Ion Ratio Lower Upper
114 100
63 16.8 0.0 38.4
88 14.9 0.0 30.0



#35
Dibromofluoromethane
Concen: 57.895 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion:113 Resp: 360585
Ion Ratio Lower Upper
113 100
111 101.7 81.1 121.7
192 20.9 16.2 24.4

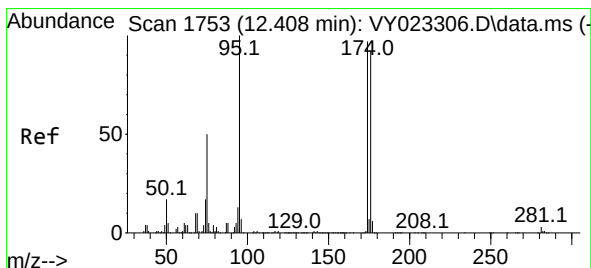
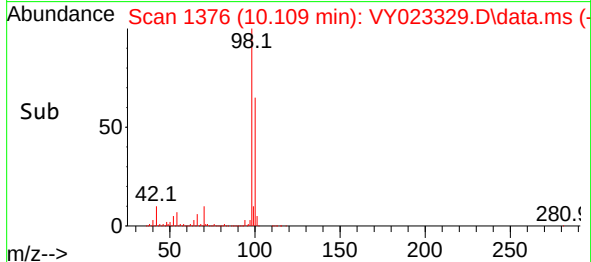
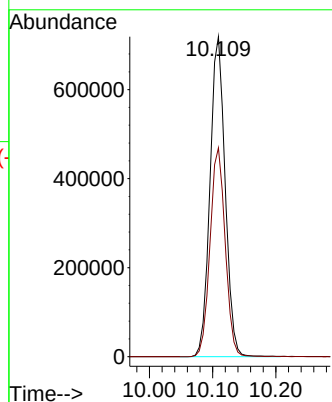
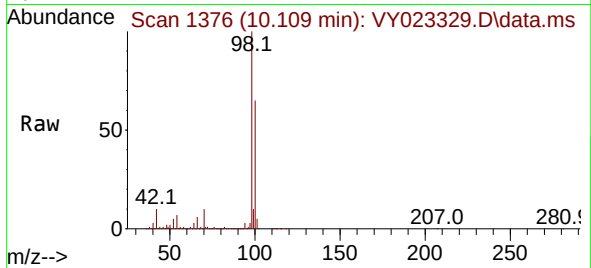




#50
Toluene-d8
Concen: 50.886 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

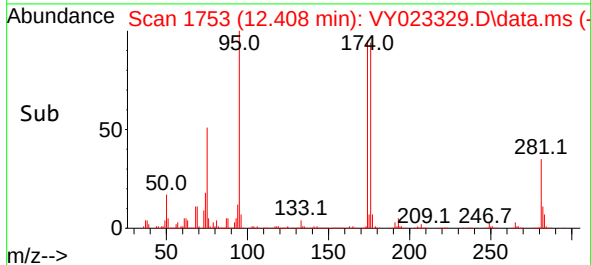
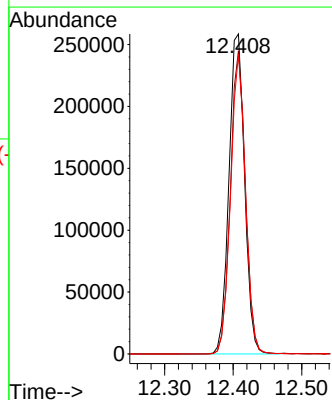
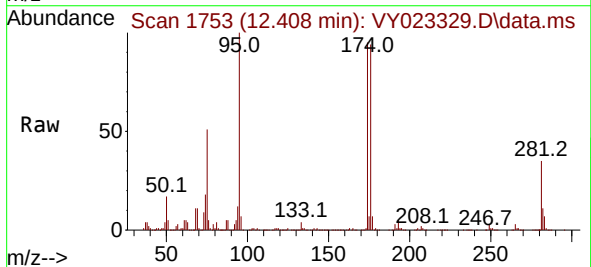
Instrument :
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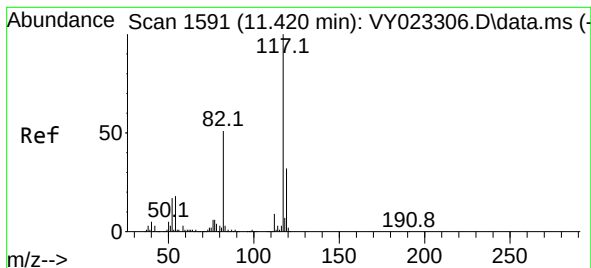
Tgt Ion: 98 Resp: 1196744
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 55.510 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 95 Resp: 410835
Ion Ratio Lower Upper
95 100
174 91.2 0.0 171.6
176 88.8 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: VY023329.D

Acq: 10 Sep 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

RPXY4

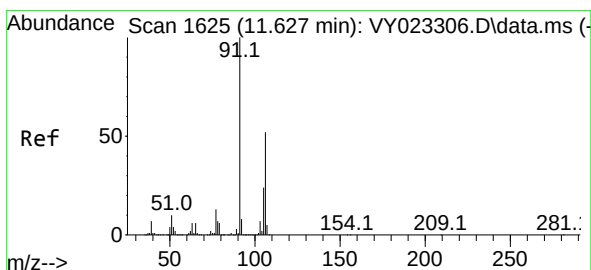
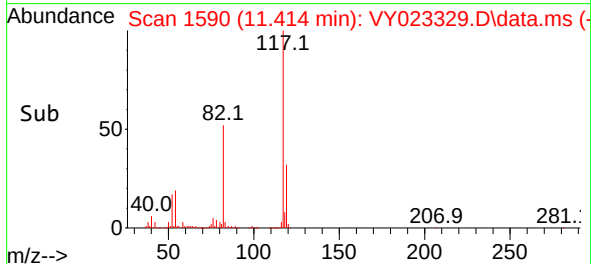
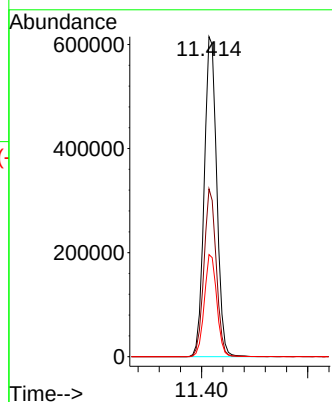
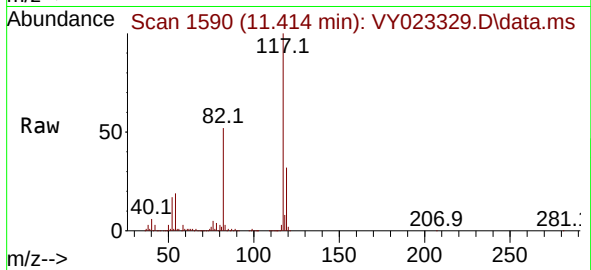
Tgt Ion:117 Resp: 1004230

Ion Ratio Lower Upper

117 100

82 52.4 43.4 65.0

119 31.9 25.6 38.4



#68

m/p-Xylenes

Concen: 1.179 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023329.D

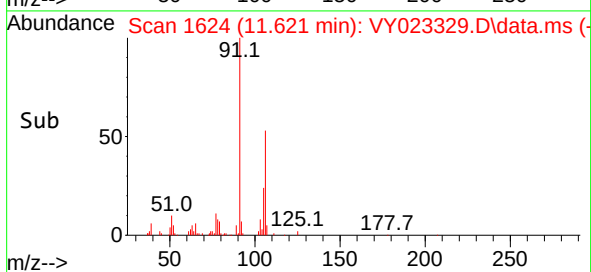
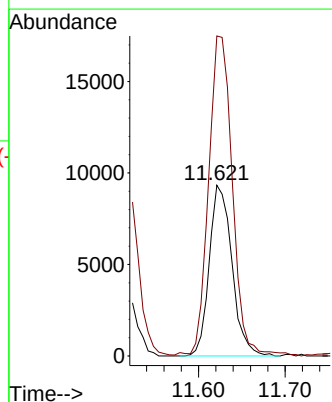
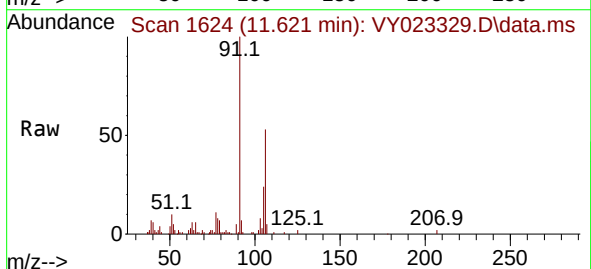
Acq: 10 Sep 2025 13:12

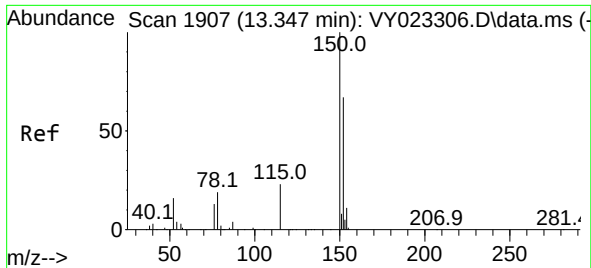
Tgt Ion:106 Resp: 16972

Ion Ratio Lower Upper

106 100

91 196.8 158.6 238.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY023329.D
 Acq: 10 Sep 2025 13:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPXY4

Tgt Ion:152 Resp: 442394
 Ion Ratio Lower Upper
 152 100
 115 56.1 28.2 84.6
 150 155.5 0.0 348.0

