

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023341.D
 Acq On : 11 Sep 2025 11:47
 Operator : SY/MD
 Sample : Q3072-01
 Misc : 4.92g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 30-GARFIELD-PL-COMP

Quant Time: Sep 12 01:25:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

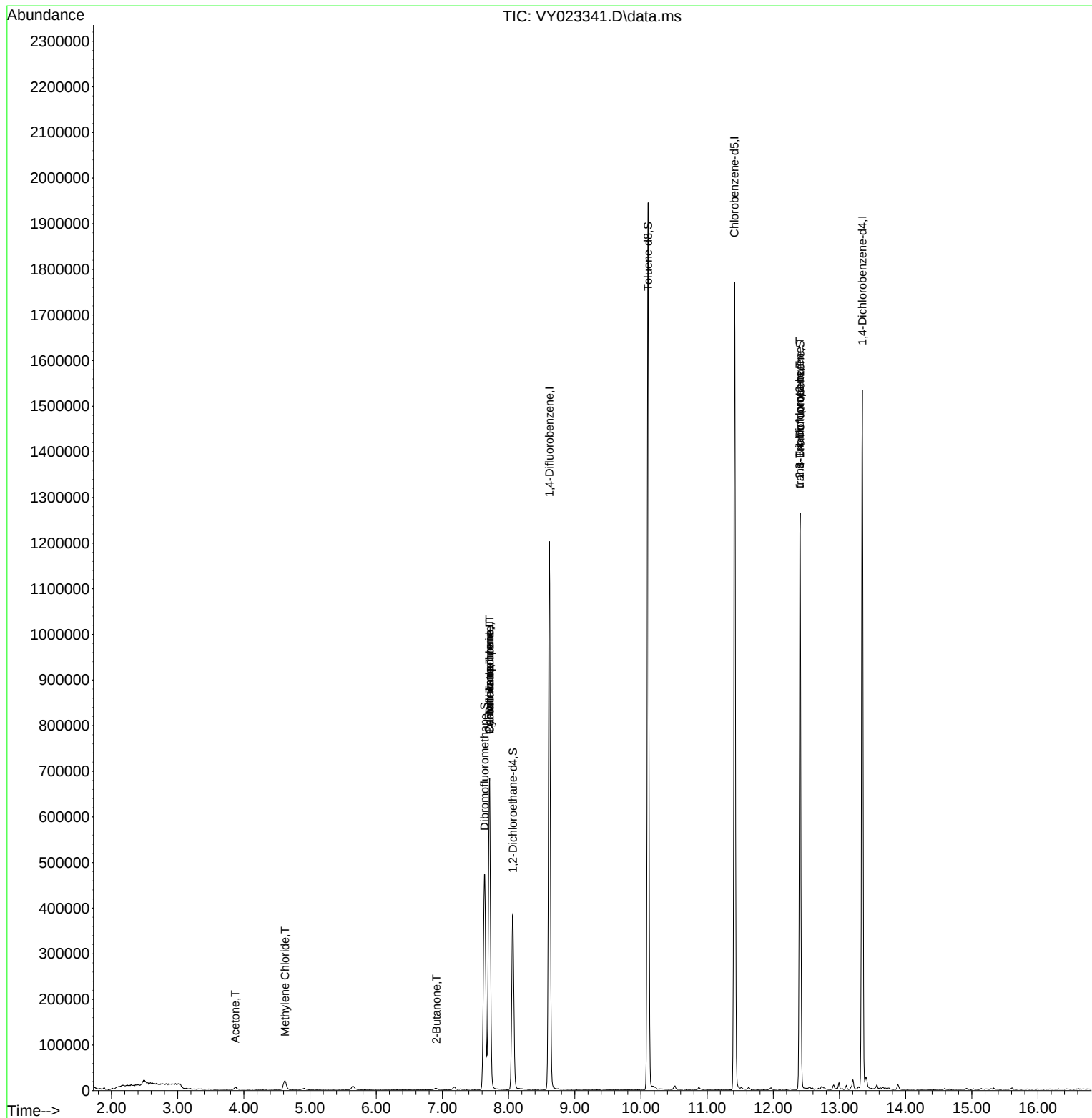
Internal Standards						
1) Pentafluorobenzene	7.713	168	553533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1058196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	980643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	409005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	303189	62.334	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.660%	
35) Dibromofluoromethane	7.640	113	348234	53.836	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.680%	
50) Toluene-d8	10.109	98	1268586	51.938	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.880%	
62) 4-Bromofluorobenzene	12.407	95	376335	48.961	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.920%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	7541	6.806	ug/l	100
20) Methylene Chloride	4.622	84	15306	2.582	ug/l	94
25) 2-Butanone	6.908	43	2522	1.849	ug/l #	63
31) Cyclohexane	7.713	56	10348	1.216	ug/l #	11
36) 1,1-Dichloropropene	7.713	75	38150	4.141	ug/l #	50
38) Carbon Tetrachloride	7.713	117	51146	4.825	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	190518	45.997	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	190518	125.439	ug/l #	14

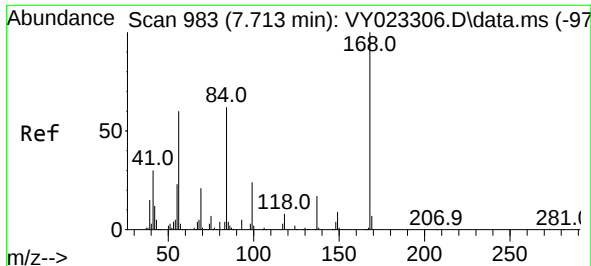
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
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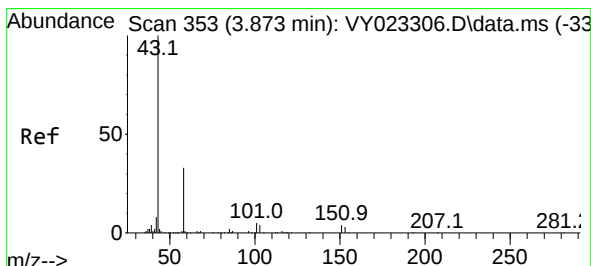
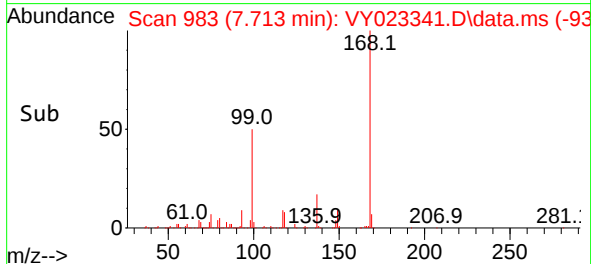
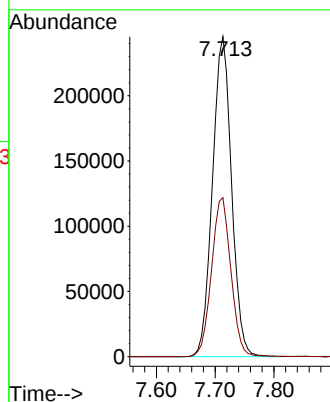
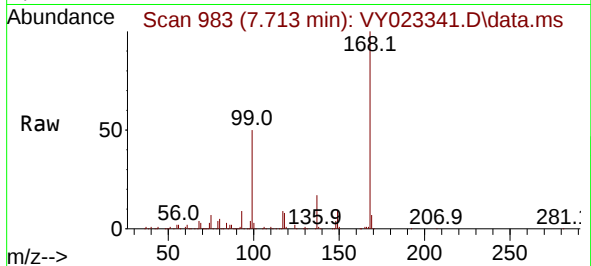




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

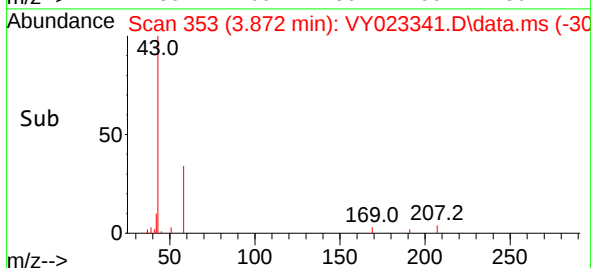
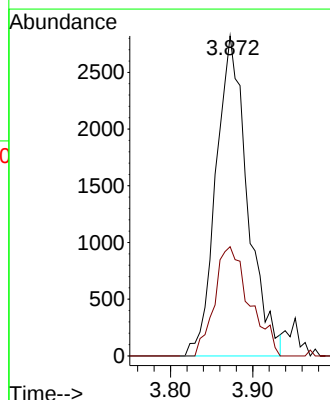
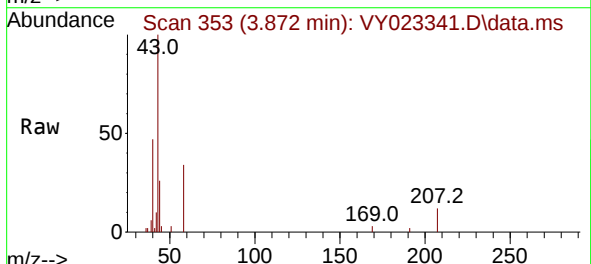
Instrument :
MSVOA_Y
ClientSampleId :
30-GARFIELD-PL-COMP

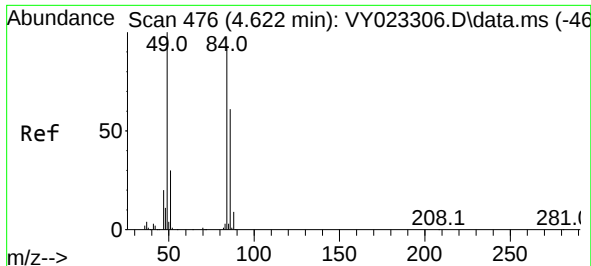
Tgt Ion:168 Resp: 553533
Ion Ratio Lower Upper
168 100
99 49.7 42.8 64.2



#16
Acetone
Concen: 6.806 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

Tgt Ion: 43 Resp: 7541
Ion Ratio Lower Upper
43 100
58 34.1 27.1 40.7

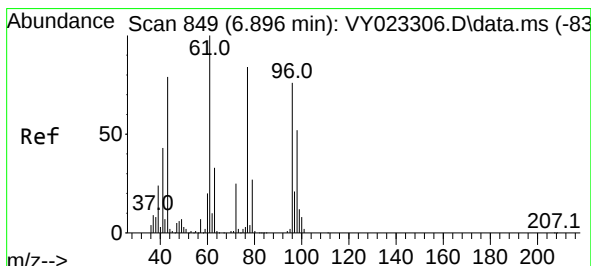
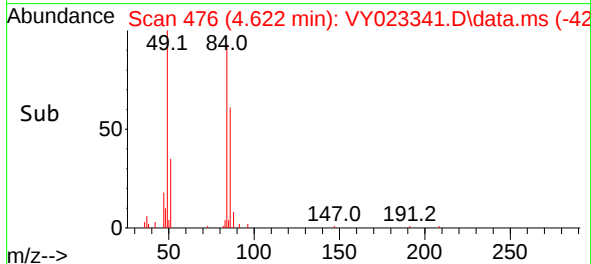
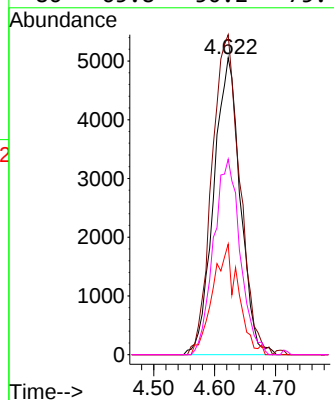
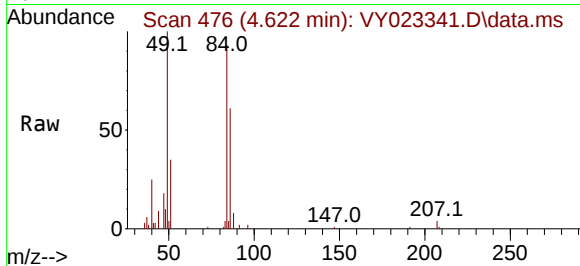




#20
Methylene Chloride
Concen: 2.582 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

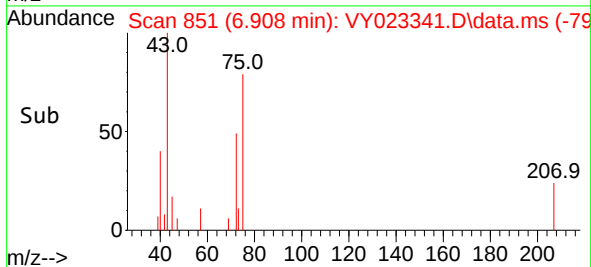
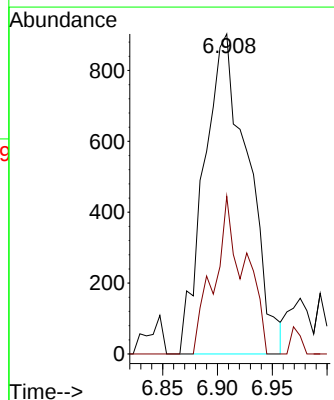
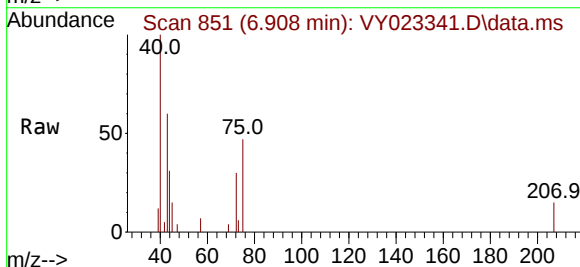
Instrument :
MSVOA_Y
ClientSampleId :
30-GARFIELD-PL-COMP

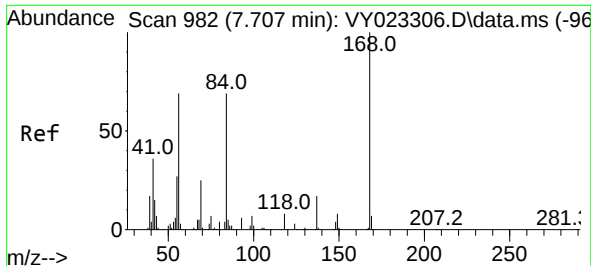
Tgt Ion:	84	Resp:	15306
Ion	Ratio	Lower	Upper
84	100		
49	107.7	93.0	139.6
51	37.3	29.0	43.4
86	65.8	50.2	75.4



#25
2-Butanone
Concen: 1.849 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.024 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

Tgt Ion:	43	Resp:	2522
Ion	Ratio	Lower	Upper
43	100		
72	49.3	23.5	35.3#

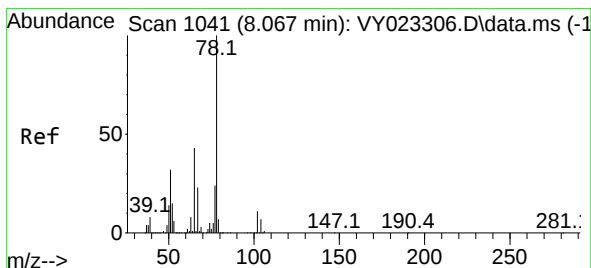
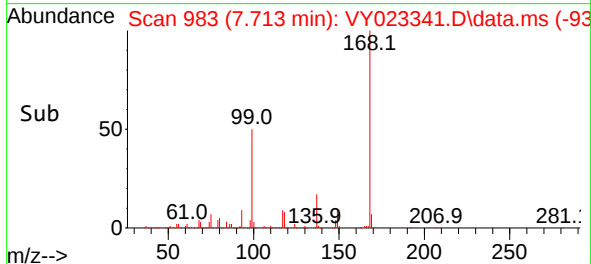
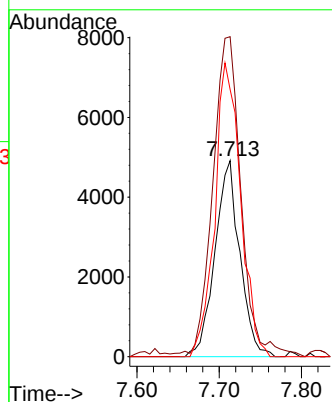
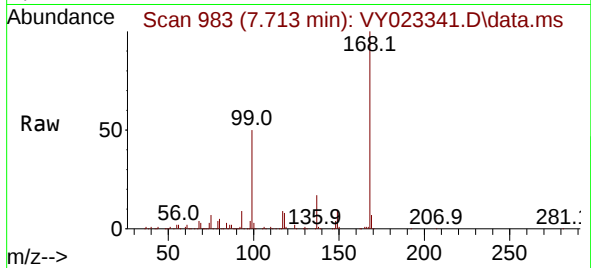




#31
Cyclohexane
Concen: 1.216 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

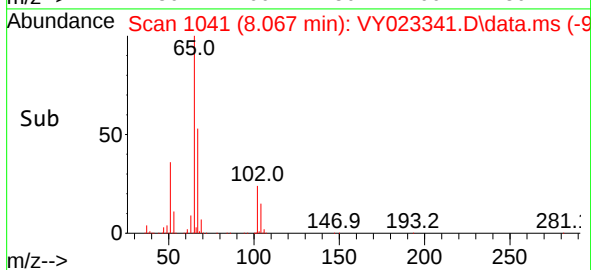
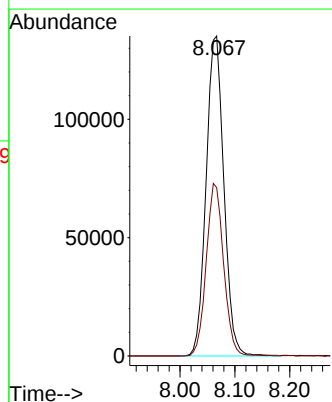
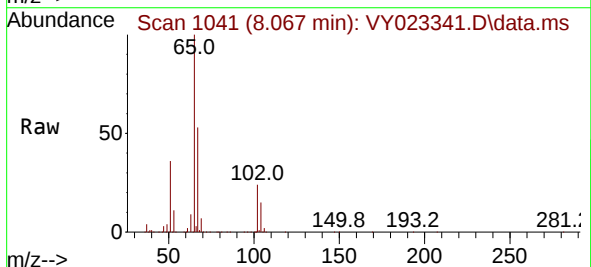
Instrument :
MSVOA_Y
ClientSampleId :
30-GARFIELD-PL-COMP

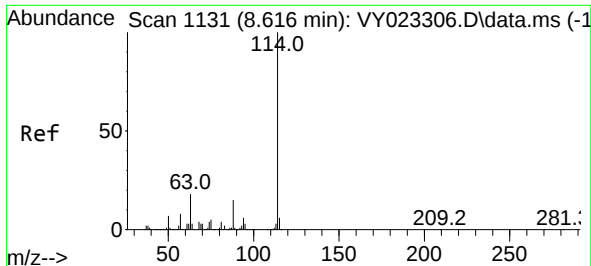
Tgt Ion: 56 Resp: 10348
Ion Ratio Lower Upper
56 100
69 161.5 28.2 42.2#
84 136.3 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 62.334 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

Tgt Ion: 65 Resp: 303189
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023341.D

Acq: 11 Sep 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

30-GARFIELD-PL-COMP

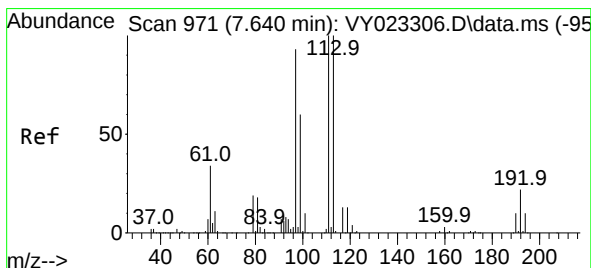
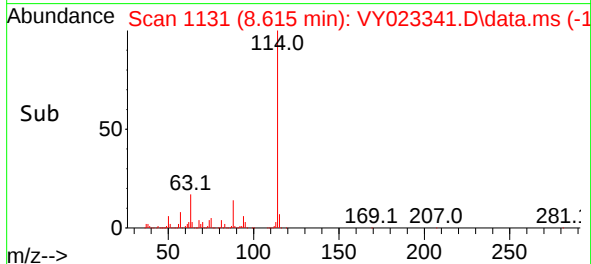
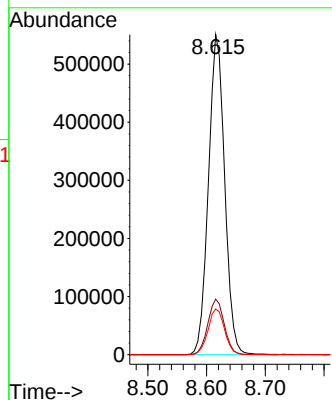
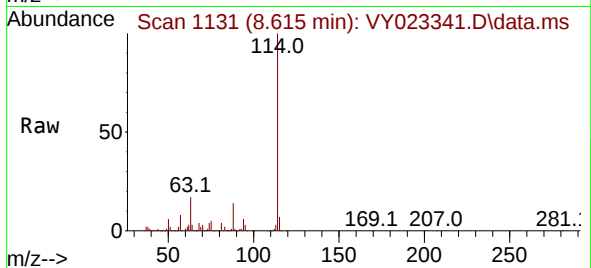
Tgt Ion:114 Resp: 1058196

Ion Ratio Lower Upper

114 100

63 17.4 0.0 38.4

88 14.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.836 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY023341.D

Acq: 11 Sep 2025 11:47

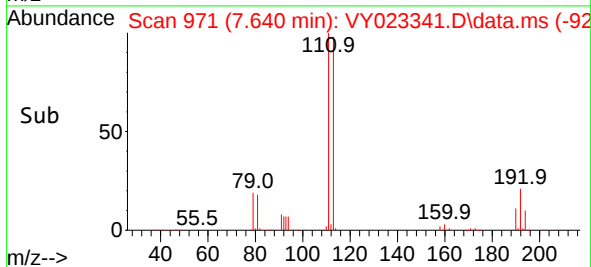
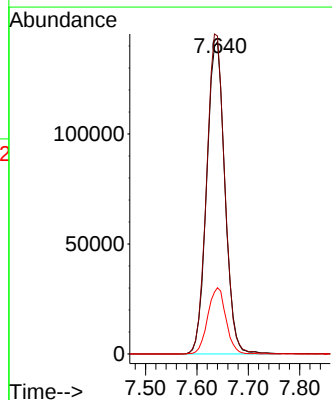
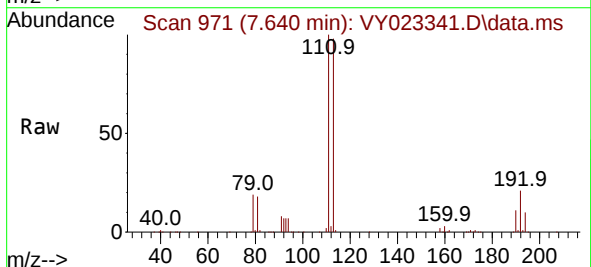
Tgt Ion:113 Resp: 348234

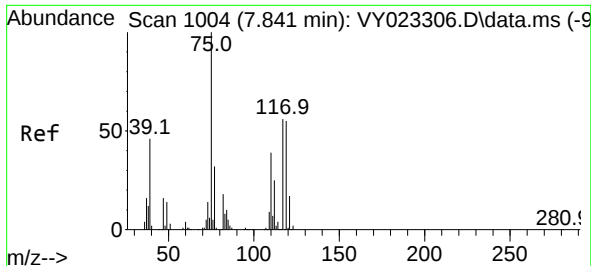
Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

192 21.1 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.141 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.116 min

Lab File: VY023341.D

Acq: 11 Sep 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

30-GARFIELD-PL-COMP

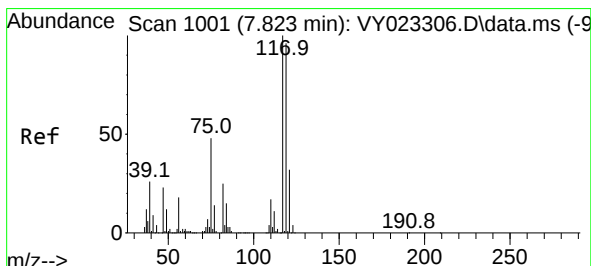
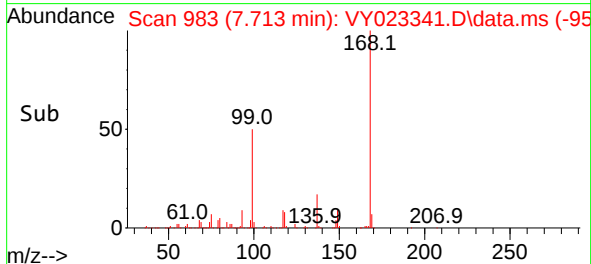
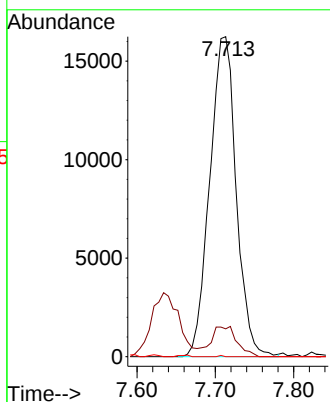
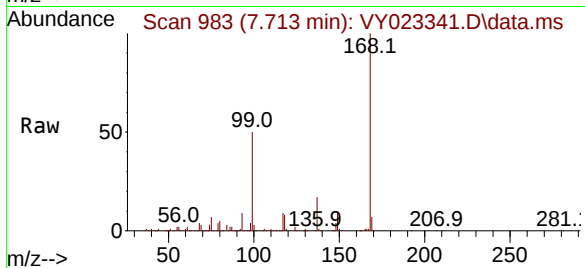
Tgt Ion: 75 Resp: 38150

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.825 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023341.D

Acq: 11 Sep 2025 11:47

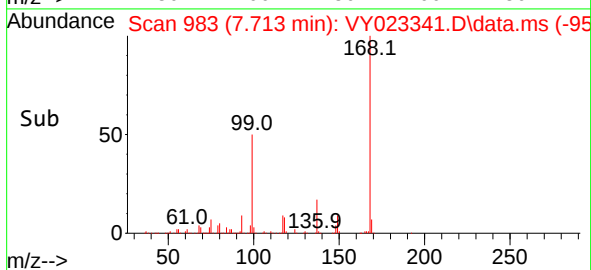
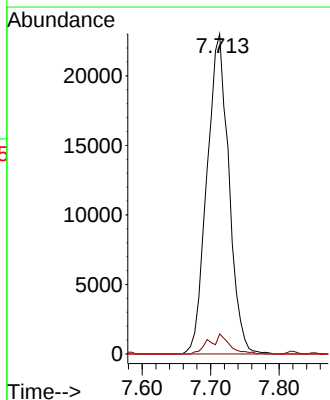
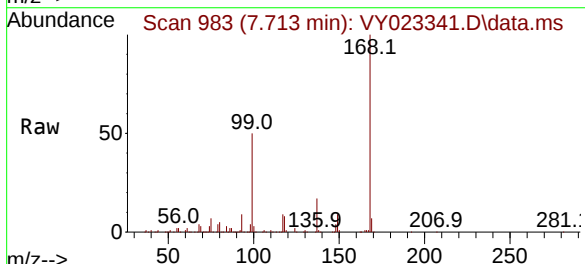
Tgt Ion: 117 Resp: 51146

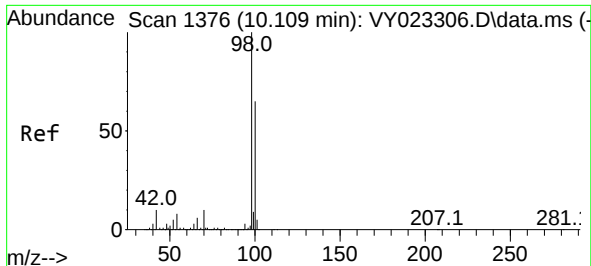
Ion Ratio Lower Upper

117 100

119 6.3 75.6 113.4#

121 0.0 25.8 38.8#

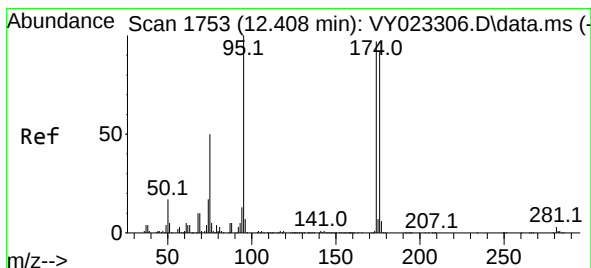
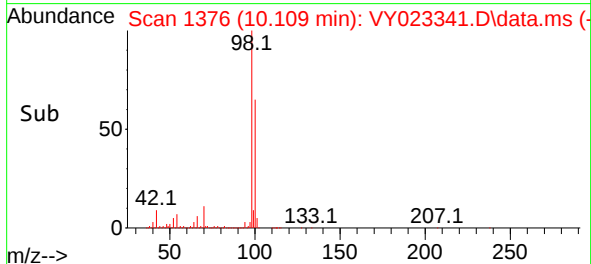
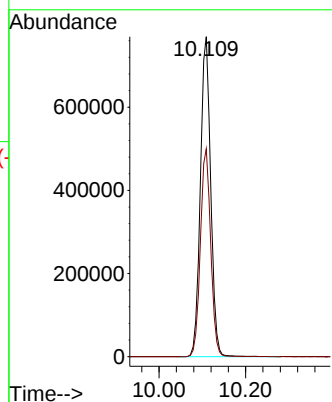
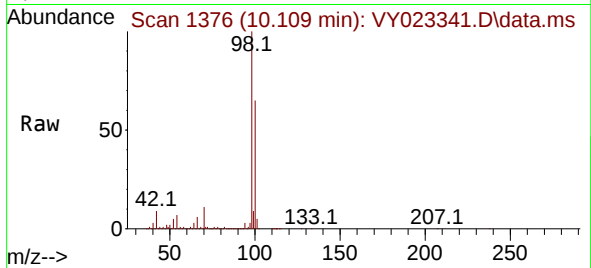




#50
Toluene-d8
Concen: 51.938 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

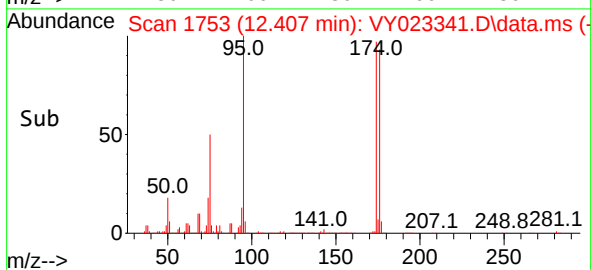
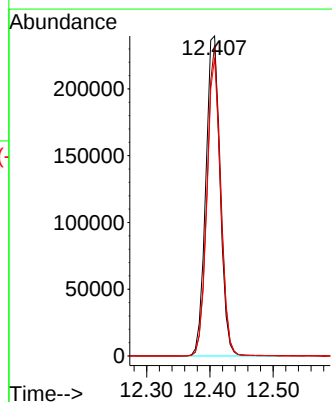
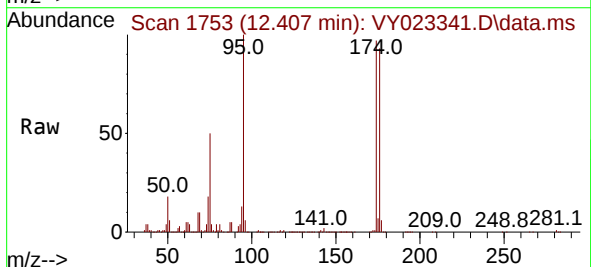
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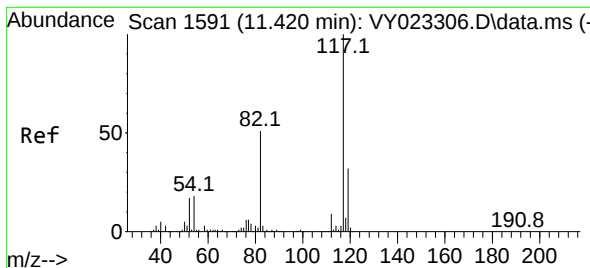
Tgt Ion: 98 Resp: 1268586
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.961 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

Tgt Ion: 95 Resp: 376335
Ion Ratio Lower Upper
95 100
174 93.1 0.0 171.6
176 89.6 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: VY023341.D

Acq: 11 Sep 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

30-GARFIELD-PL-COMP

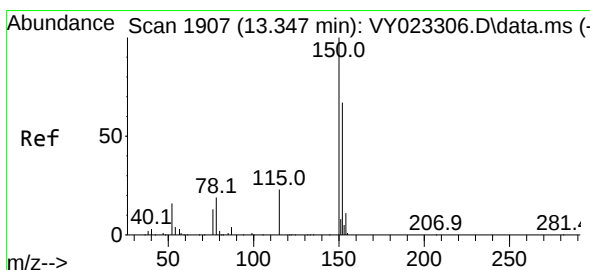
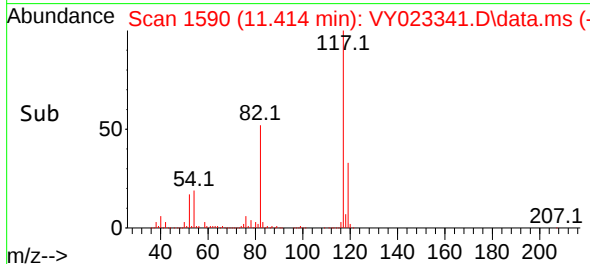
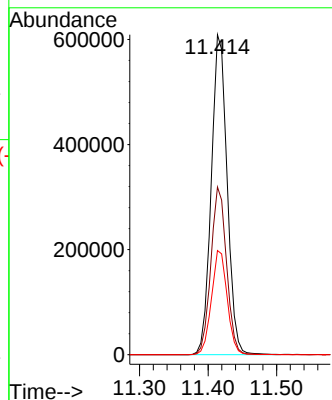
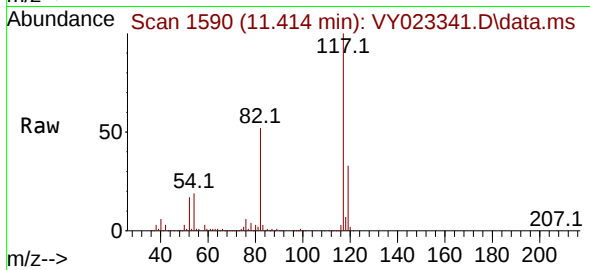
Tgt Ion:117 Resp: 980643

Ion Ratio Lower Upper

117 100

82 52.4 43.4 65.0

119 32.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023341.D

Acq: 11 Sep 2025 11:47

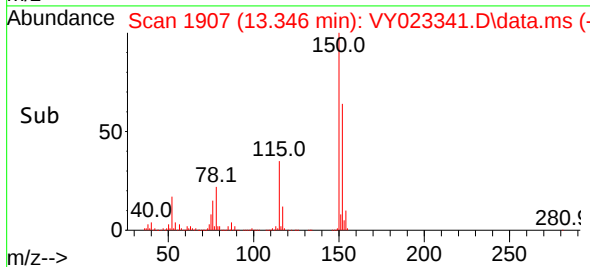
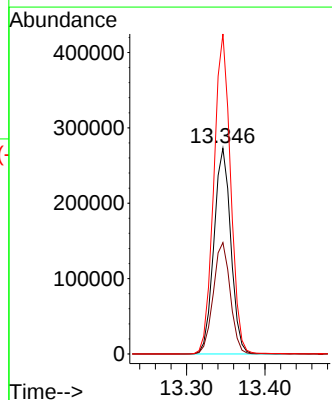
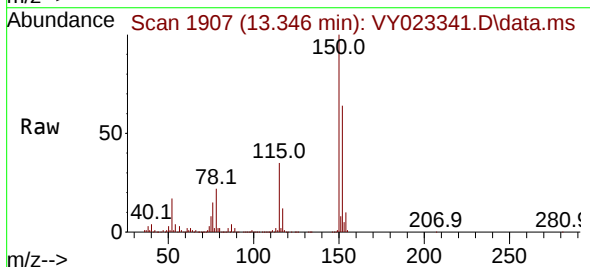
Tgt Ion:152 Resp: 409005

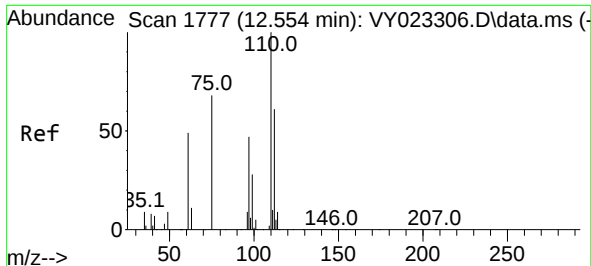
Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.6

150 154.3 0.0 348.0

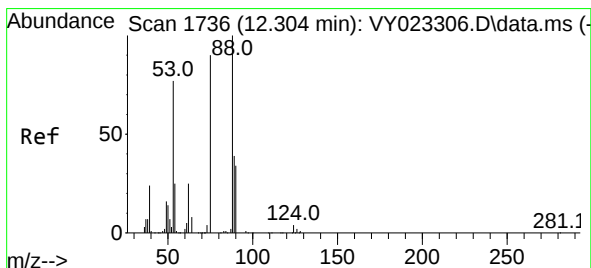
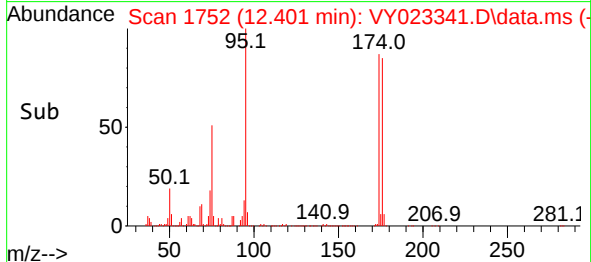
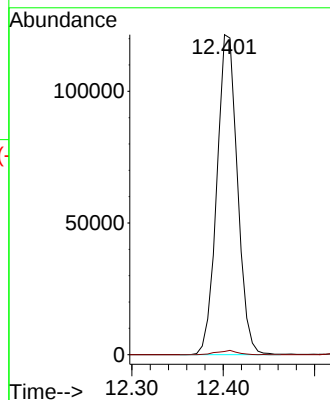
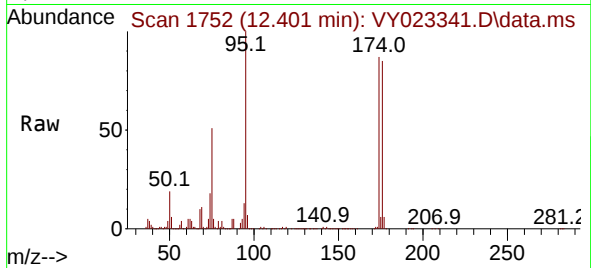




#76
1,2,3-Trichloropropane
Concen: 45.997 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
30-GARFIELD-PL-COMP

Tgt Ion: 75 Resp: 190518
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.439 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

Tgt Ion: 75 Resp: 190518
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.0 38.1 57.1#

