

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023248.D
 Acq On : 29 Aug 2025 15:28
 Operator : SY/MD
 Sample : Q2989-03
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOUTH-TP-6

Quant Time: Aug 30 01:23:28 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)

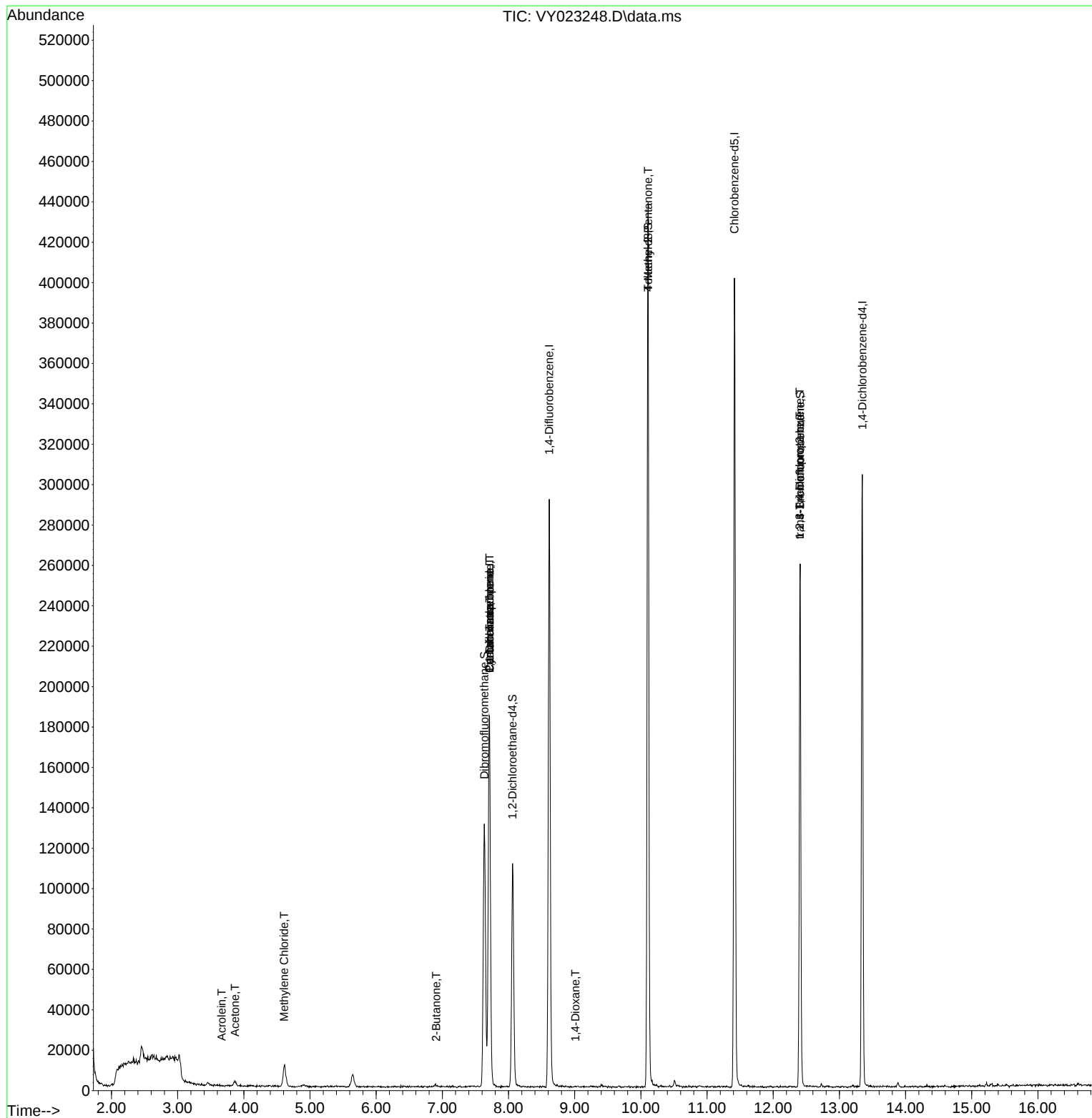
Internal Standards						
1) Pentafluorobenzene	7.713	168	148558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	253315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	227834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	82022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	85755	60.567	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.140%			
35) Dibromofluoromethane	7.634	113	93600	61.751	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.500%			
50) Toluene-d8	10.109	98	299085	50.509	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.020%			
62) 4-Bromofluorobenzene	12.408	95	78431	41.186	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.380%			
Target Compounds						Qvalue
13) Acrolein	3.665	56	148	1.042	ug/l #	34
16) Acetone	3.866	43	4046	13.190	ug/l #	88
20) Methylene Chloride	4.610	84	7614	2.177	ug/l	92
25) 2-Butanone	6.909	43	743	1.781	ug/l	89
31) Cyclohexane	7.713	56	3231	1.225	ug/l #	19
36) 1,1-Dichloropropene	7.713	75	11357	5.042	ug/l #	48
38) Carbon Tetrachloride	7.713	117	14181	5.796	ug/l #	16
49) 1,4-Dioxane	9.012	88	22	2.046	ug/l #	24
51) 4-Methyl-2-Pentanone	10.109	43	1175	1.191	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	40515	51.181	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	40515	123.893	ug/l #	14

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

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SOUTH-TP-6

Quant Time: Aug 30 01:23:28 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

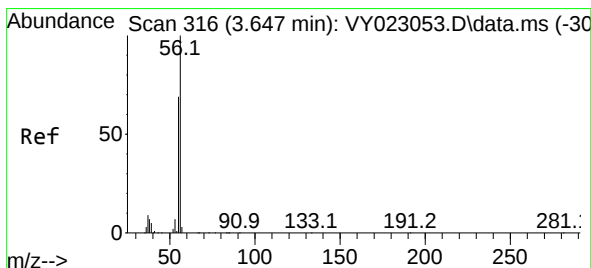
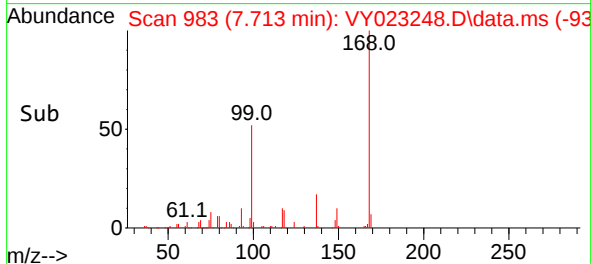
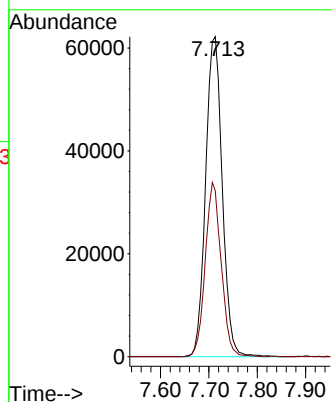
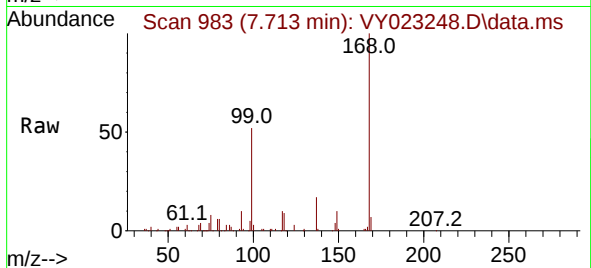




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

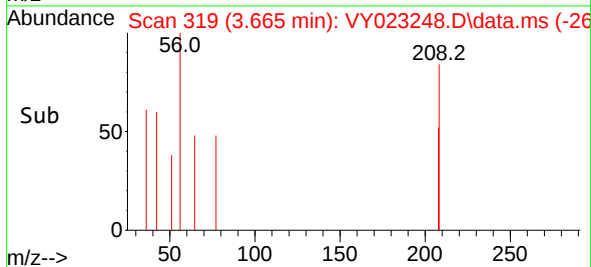
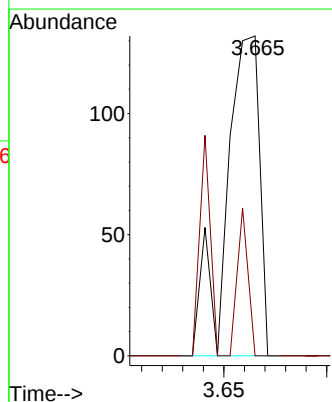
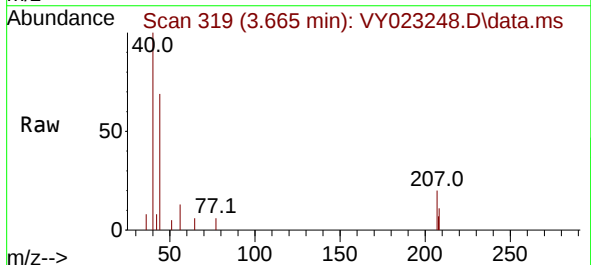
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-6

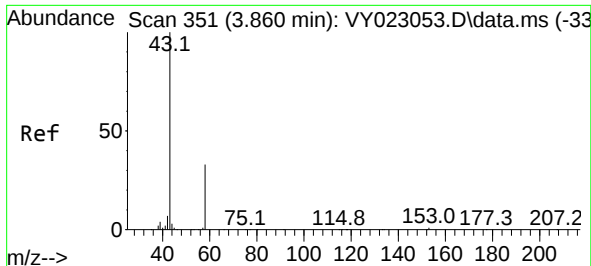
Tgt Ion:168 Resp: 148558
Ion Ratio Lower Upper
168 100
99 51.9 42.8 64.2



#13
Acrolein
Concen: 1.042 ug/l
RT: 3.665 min Scan# 319
Delta R.T. 0.018 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

Tgt Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
55 14.9 55.2 82.8#

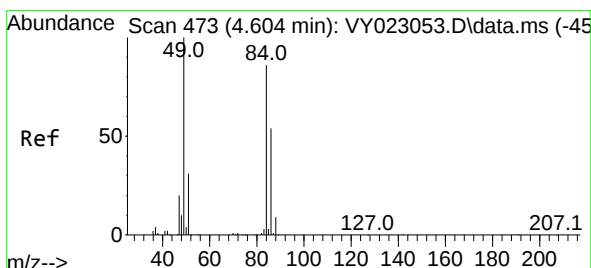
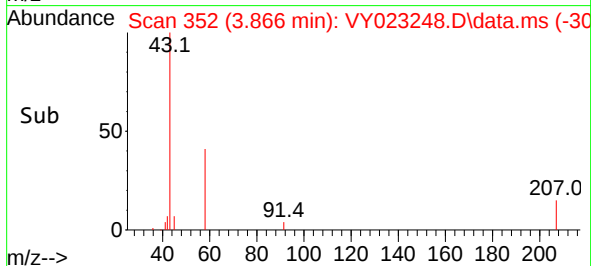
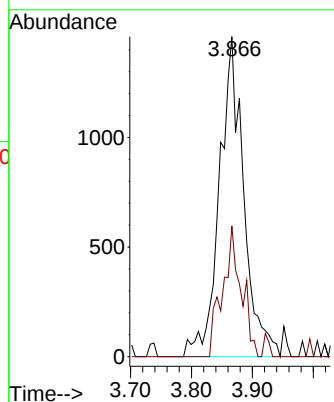
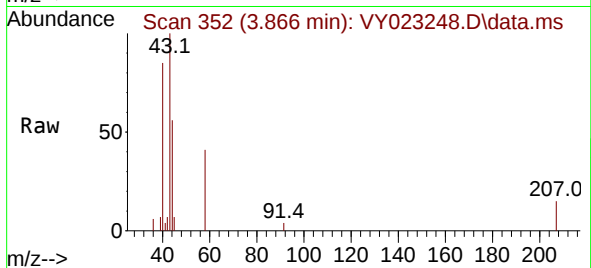




#16
Acetone
Concen: 13.190 ug/l
RT: 3.866 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

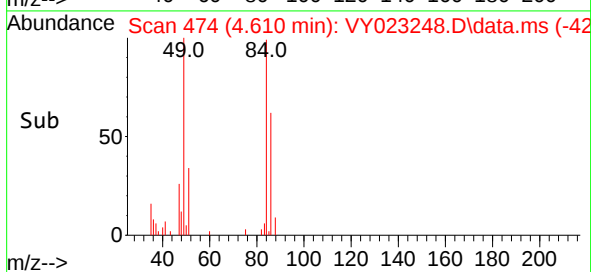
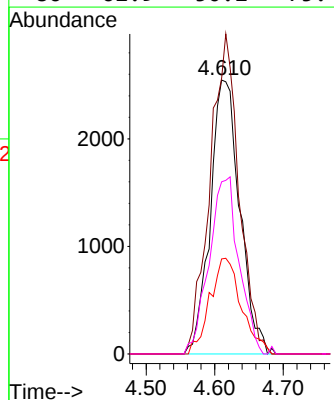
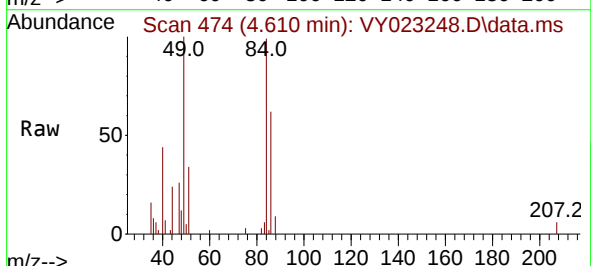
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-6

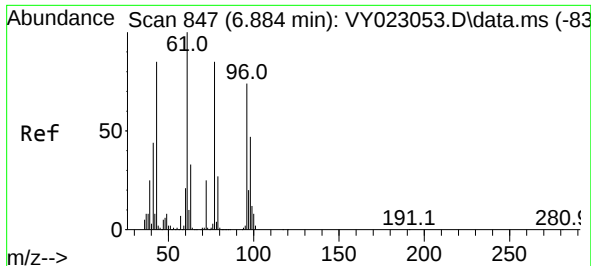
Tgt Ion: 43 Resp: 4046
Ion Ratio Lower Upper
43 100
58 40.8 27.1 40.7#



#20
Methylene Chloride
Concen: 2.177 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

Tgt Ion: 84 Resp: 7614
Ion Ratio Lower Upper
84 100
49 100.7 93.0 139.6
51 34.7 29.0 43.4
86 62.9 50.2 75.4

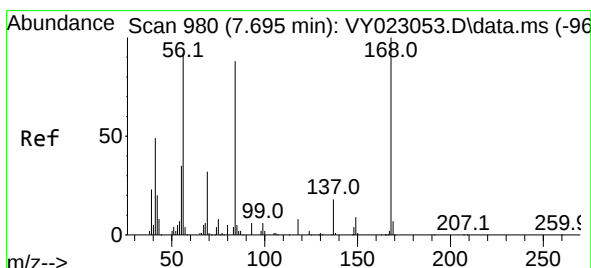
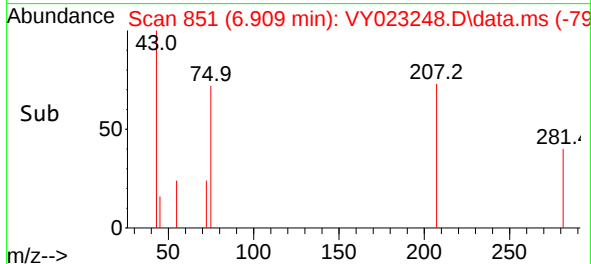
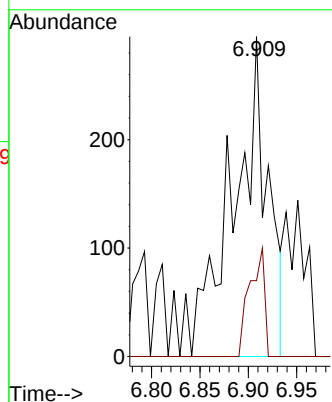
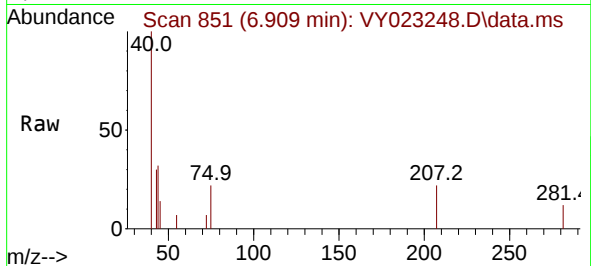




#25
2-Butanone
Concen: 1.781 ug/l
RT: 6.909 min Scan# 847
Delta R.T. 0.024 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

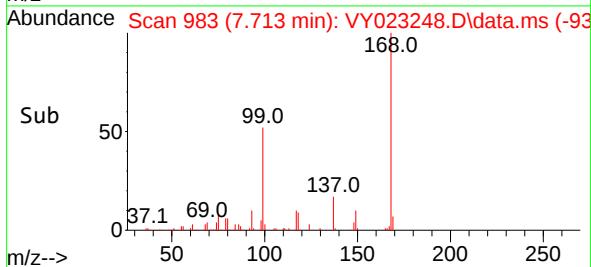
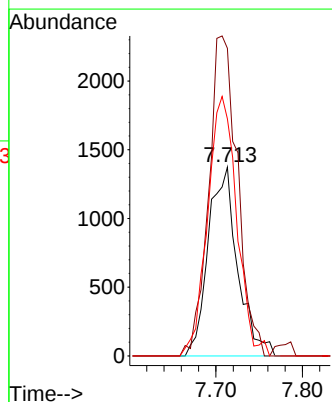
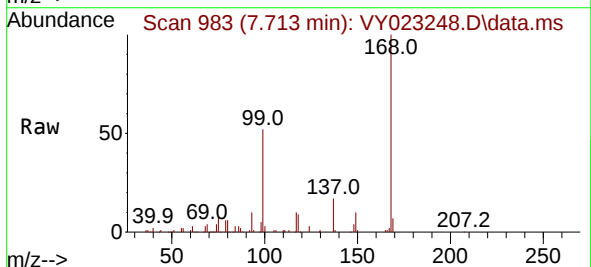
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-6

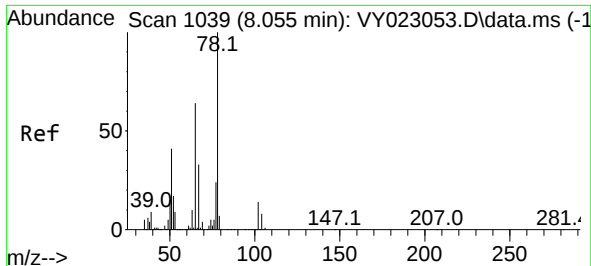
Tgt Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
72 23.7 23.5 35.3



#31
Cyclohexane
Concen: 1.225 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.018 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

Tgt Ion: 56 Resp: 3231
Ion Ratio Lower Upper
56 100
69 162.9 28.2 42.2#
84 125.5 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 60.567 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY023248.D

Acq: 29 Aug 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

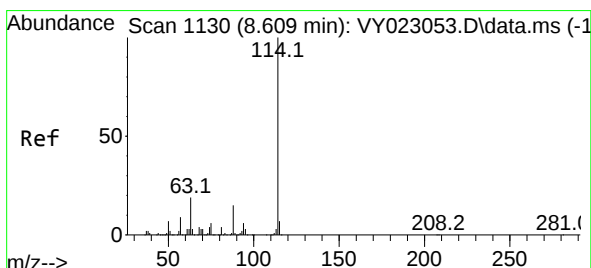
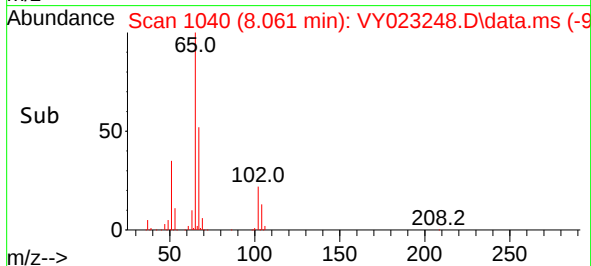
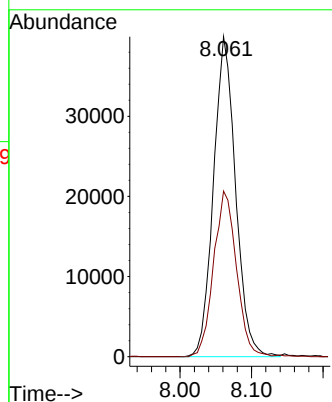
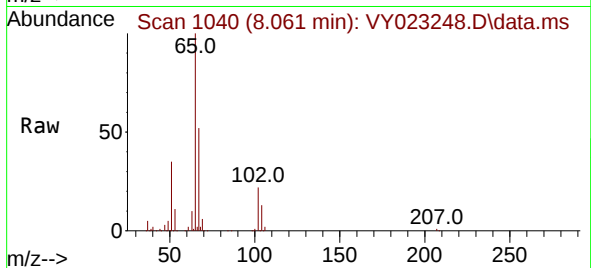
SOUTH-TP-6

Tgt Ion: 65 Resp: 85755

Ion Ratio Lower Upper

65 100

67 53.5 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: VY023248.D

Acq: 29 Aug 2025 15:28

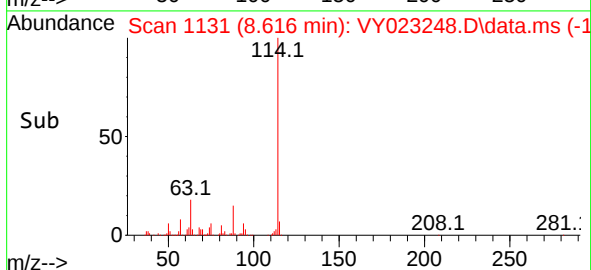
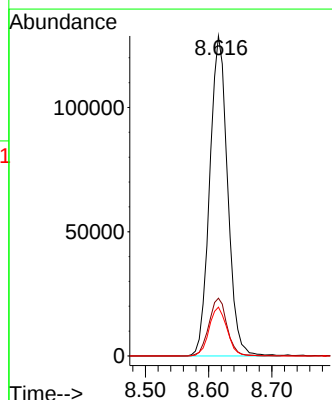
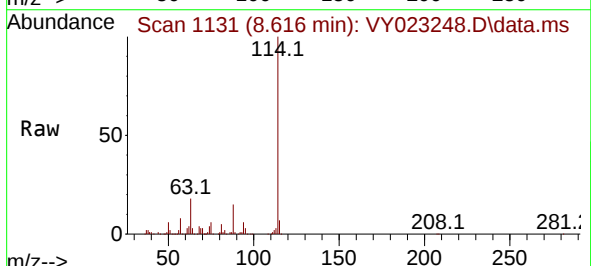
Tgt Ion:114 Resp: 253315

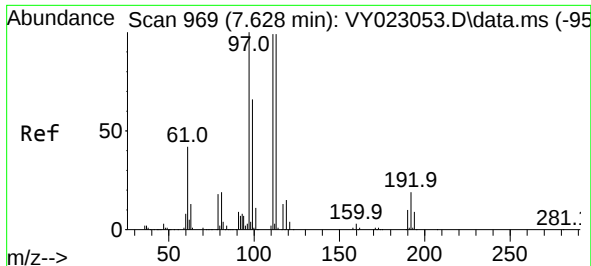
Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

88 15.3 0.0 30.0

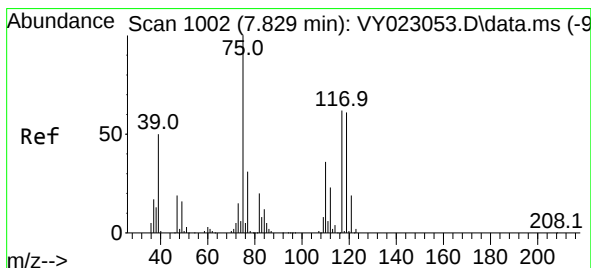
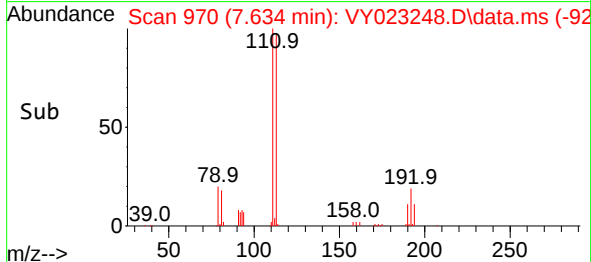
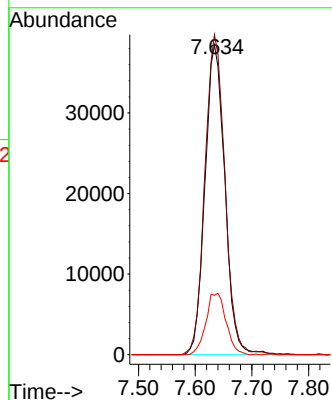
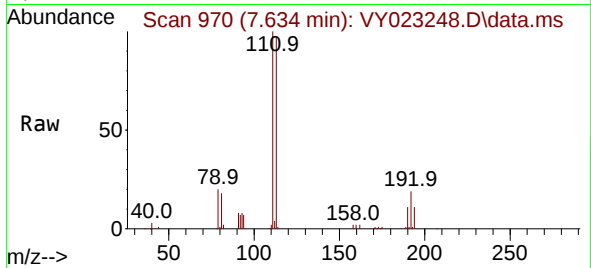




#35
Dibromofluoromethane
Concen: 61.751 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

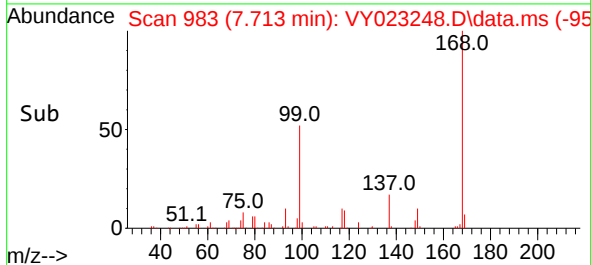
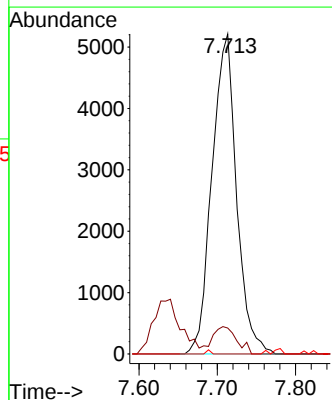
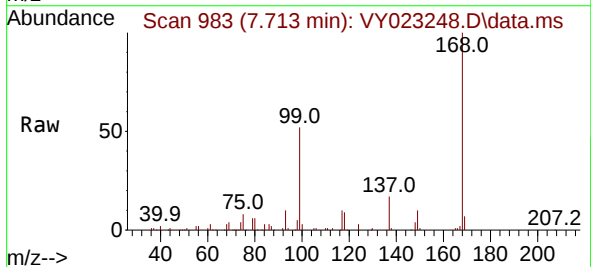
Instrument :
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ClientSampleId :
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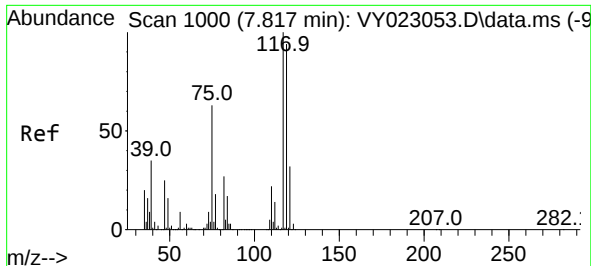
Tgt Ion:113 Resp: 93600
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 20.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 5.042 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

Tgt Ion: 75 Resp: 11357
Ion Ratio Lower Upper
75 100
110 7.8 18.1 54.4#
77 0.0 24.6 37.0#

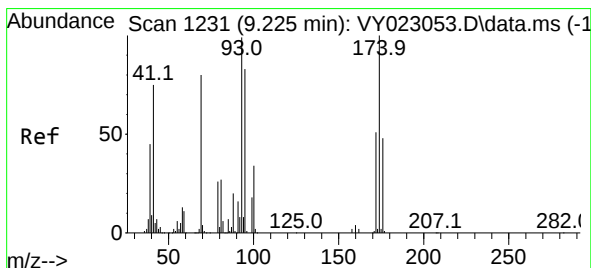
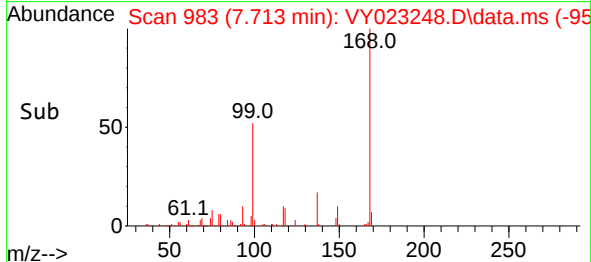
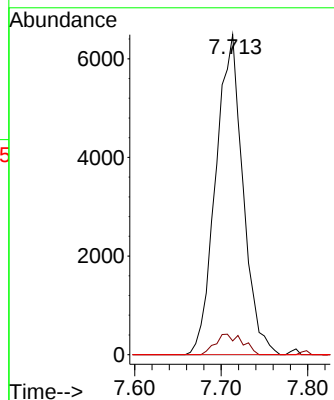
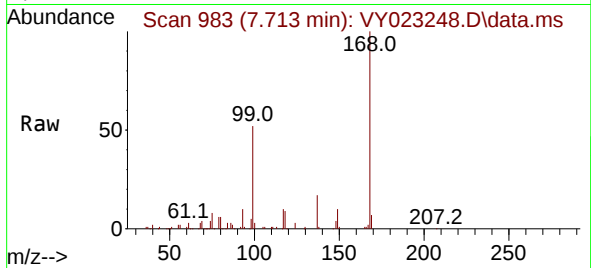




#38
Carbon Tetrachloride
Concen: 5.796 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

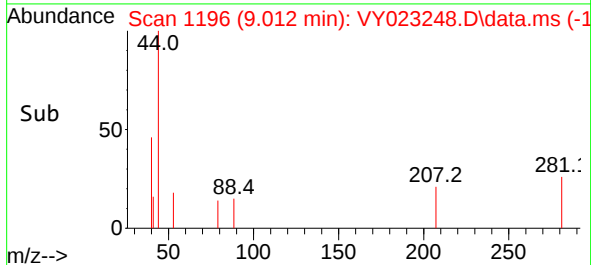
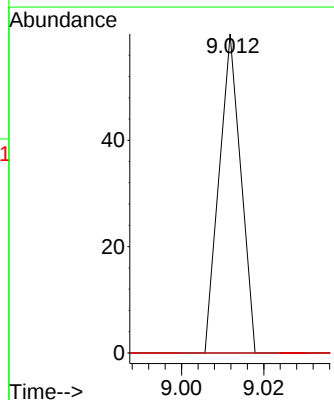
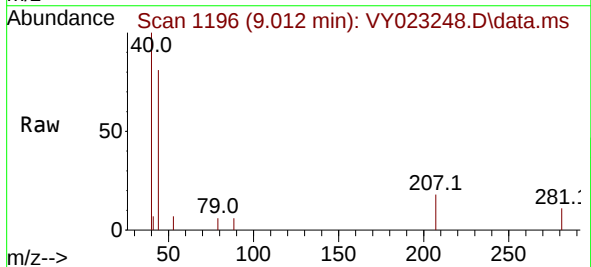
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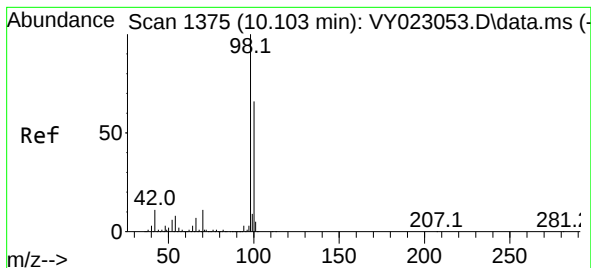
Tgt Ion:117 Resp: 14181
Ion Ratio Lower Upper
117 100
119 4.3 75.6 113.4#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 2.046 ug/l
RT: 9.012 min Scan# 1196
Delta R.T. -0.213 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 24.3 36.5#
58 0.0 55.4 83.0#

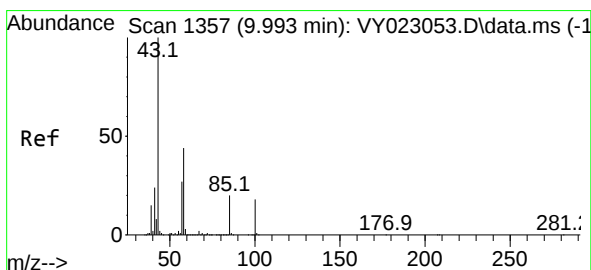
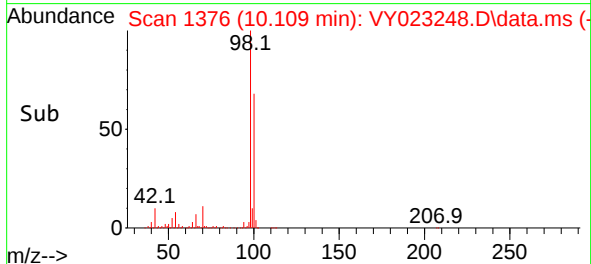
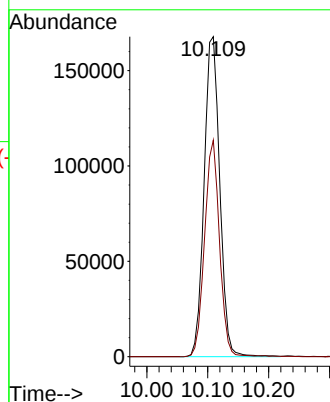
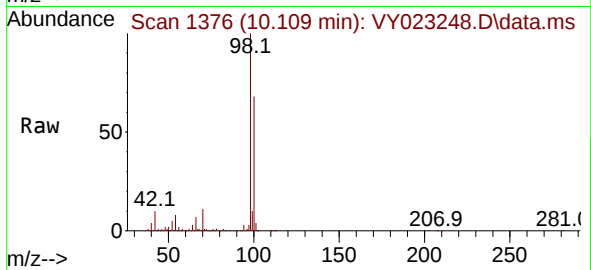




#50
Toluene-d8
Concen: 50.509 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

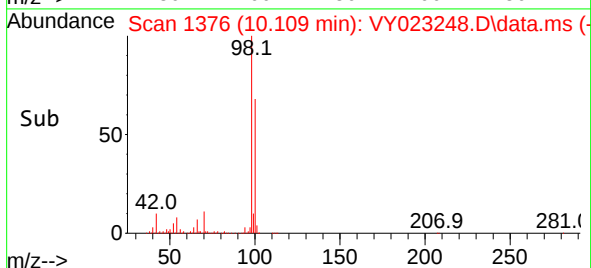
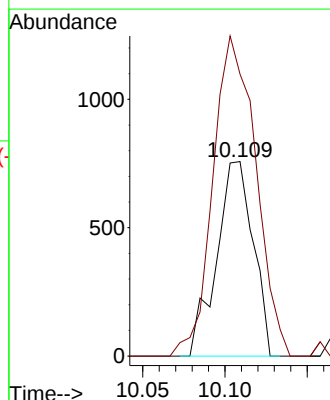
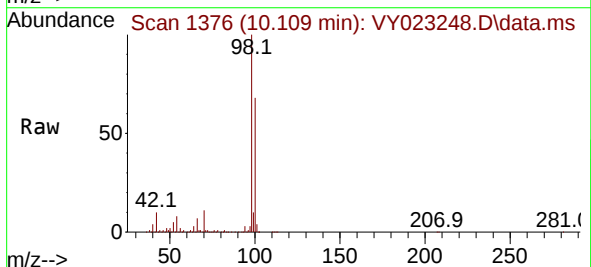
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-6

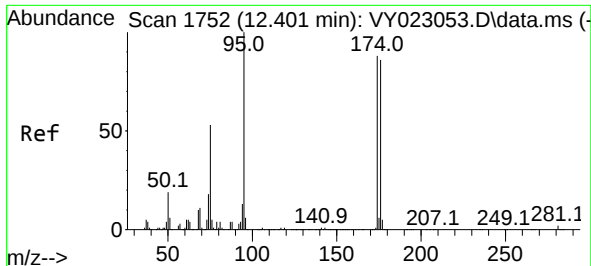
Tgt Ion: 98 Resp: 299085
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.191 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
58 192.3 33.5 50.3#

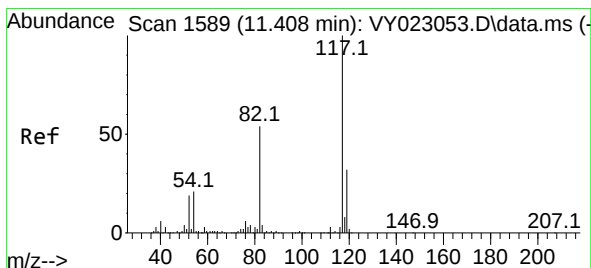
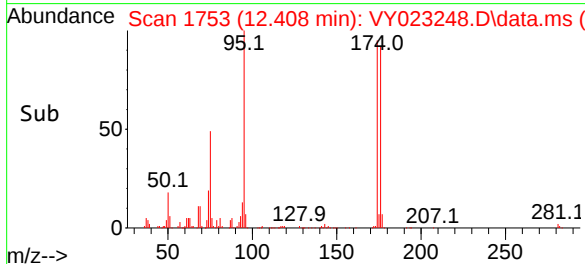
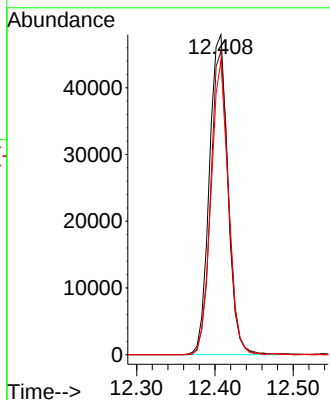
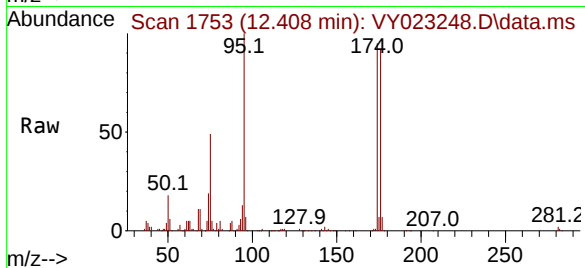




#62
4-Bromofluorobenzene
Concen: 41.186 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

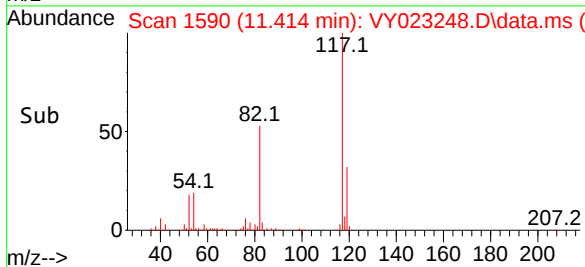
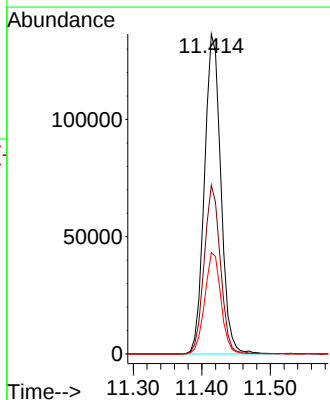
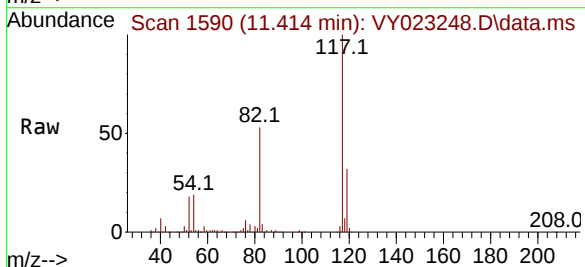
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-6

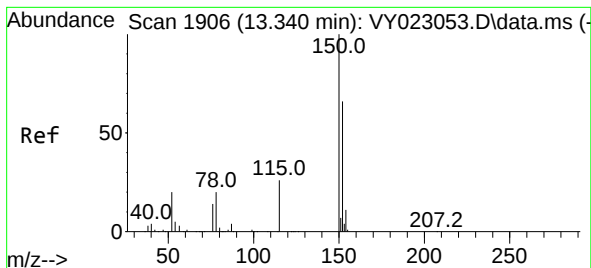
Tgt Ion: 95 Resp: 78431
Ion Ratio Lower Upper
95 100
174 91.6 0.0 171.6
176 86.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

Tgt Ion: 117 Resp: 227834
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 31.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023248.D

Acq: 29 Aug 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

SOUTH-TP-6

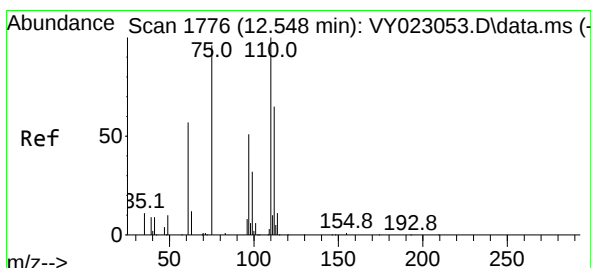
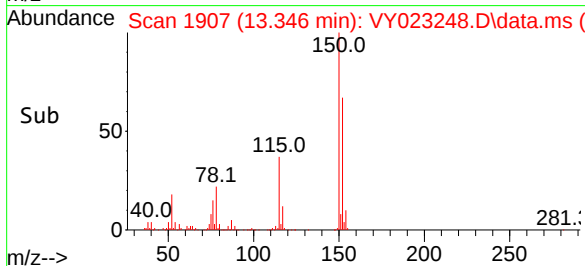
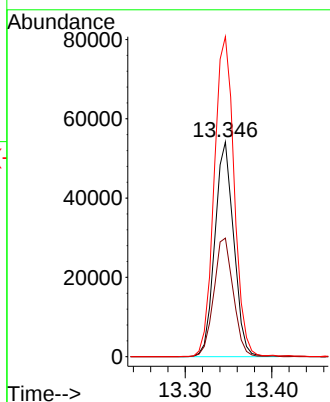
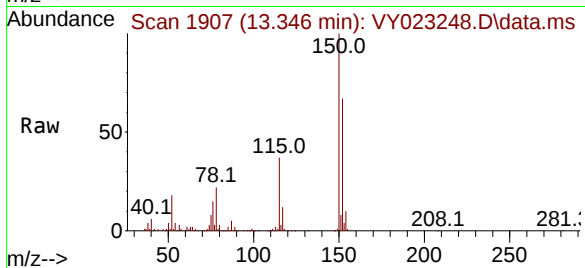
Tgt Ion:152 Resp: 82022

Ion Ratio Lower Upper

152 100

115 56.9 28.2 84.6

150 157.7 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 51.181 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023248.D

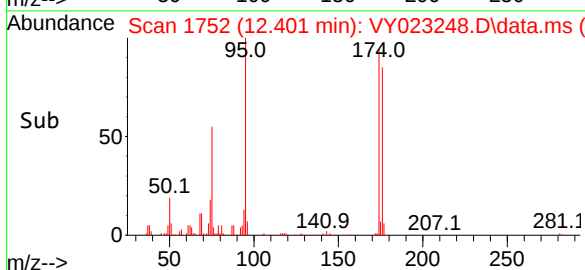
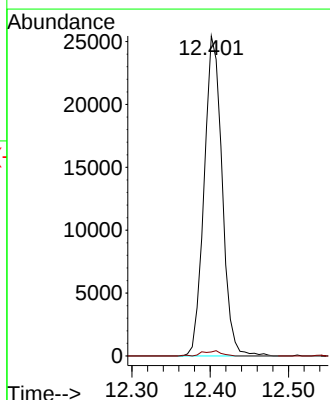
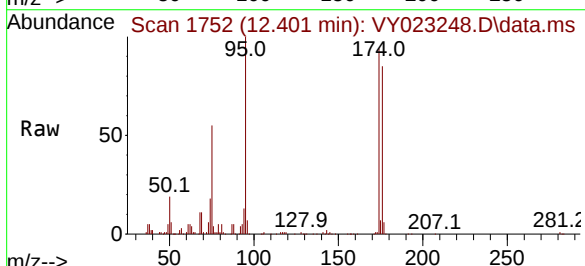
Acq: 29 Aug 2025 15:28

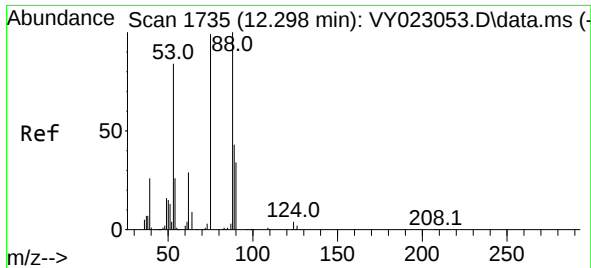
Tgt Ion: 75 Resp: 40515

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.893 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023248.D
 Acq: 29 Aug 2025 15:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOUTH-TP-6

Tgt Ion: 75 Resp: 40515
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.3 38.1 57.1#

