

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
 Data File : VY023285.D
 Acq On : 04 Sep 2025 15:04
 Operator : SY/MD
 Sample : Q3023-01
 Misc : 5.96g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 05 04:25:27 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)

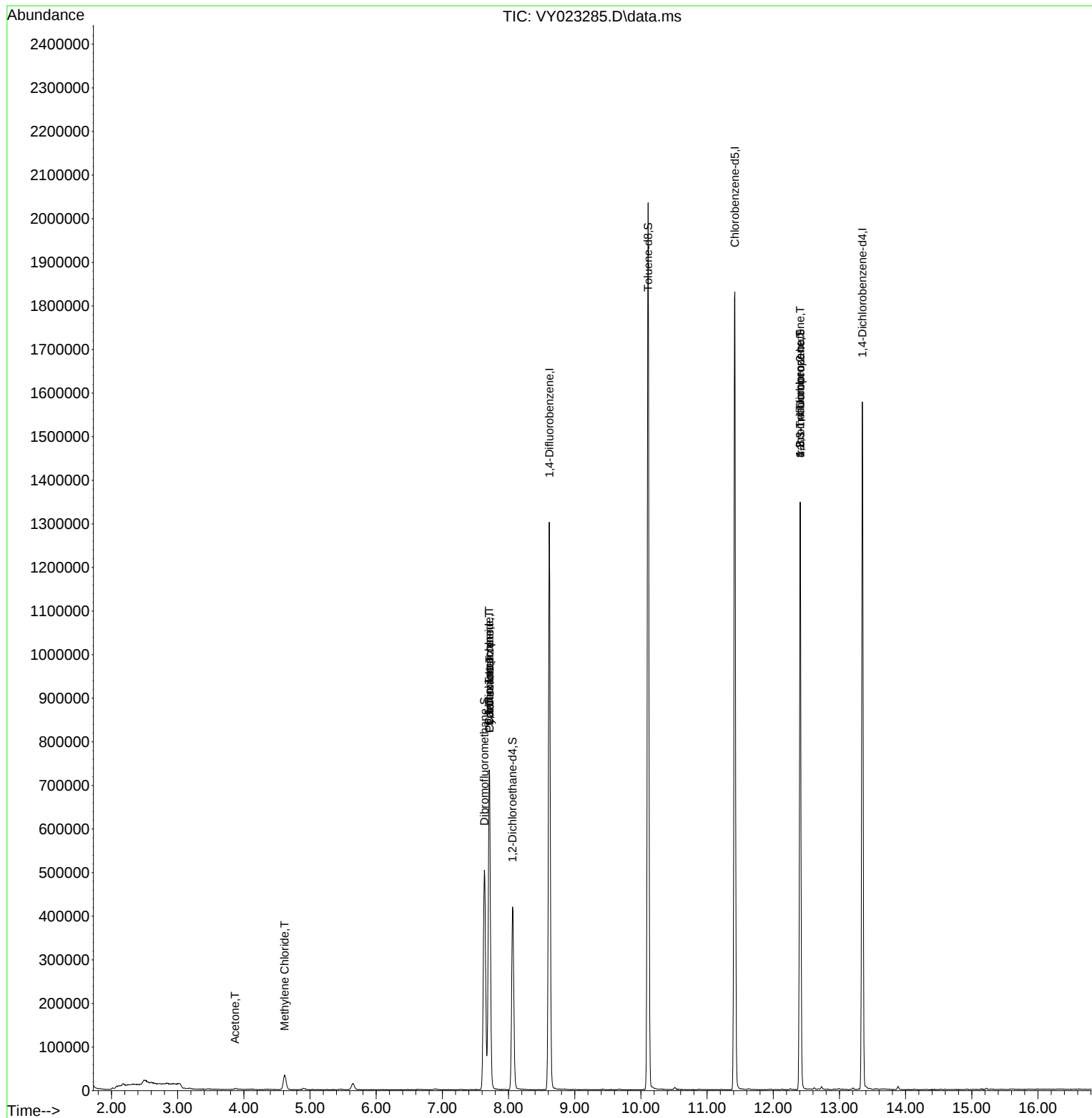
Internal Standards						
1) Pentafluorobenzene	7.713	168	592936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1129517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1027197	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	407096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	330297	58.448	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.900%	
35) Dibromofluoromethane	7.634	113	370572	54.829	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.660%	
50) Toluene-d8	10.109	98	1343702	50.891	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.780%	
62) 4-Bromofluorobenzene	12.408	95	396879	46.740	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.480%	
Target Compounds						
						Qvalue
16) Acetone	3.866	43	4524	3.695	ug/l	99
20) Methylene Chloride	4.616	84	26453	1.523	ug/l	93
31) Cyclohexane	7.713	56	11463	1.089	ug/l #	5
36) 1,1-Dichloropropene	7.707	75	41866	4.168	ug/l #	49
38) Carbon Tetrachloride	7.707	117	56548	5.183	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	199893	50.878	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	199893	123.158	ug/l #	14

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

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Quant Time: Sep 05 04:25:27 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

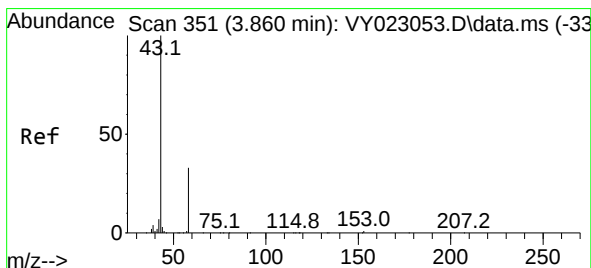
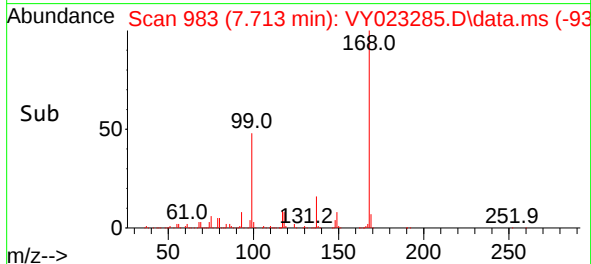
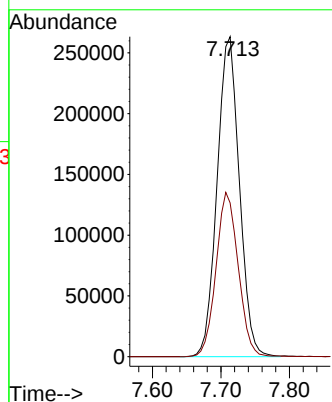
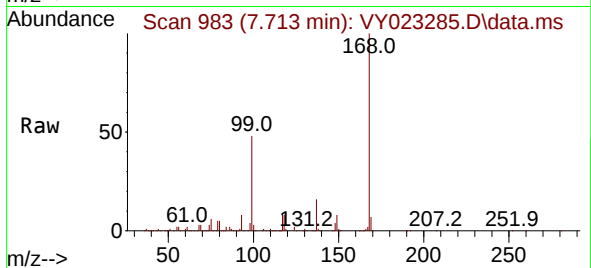




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023285.D
Acq: 04 Sep 2025 15:04

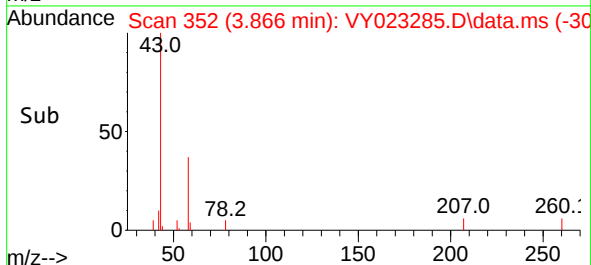
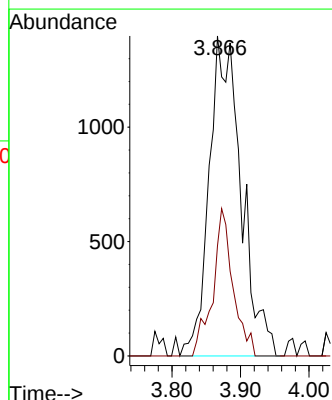
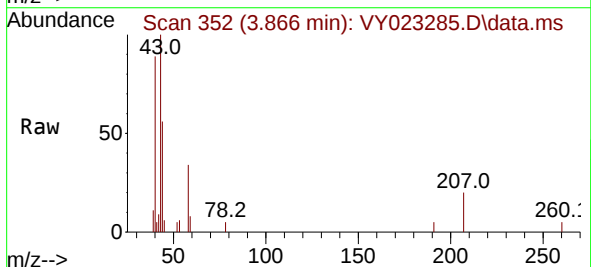
Instrument :
MSVOA_Y
ClientSampleId :

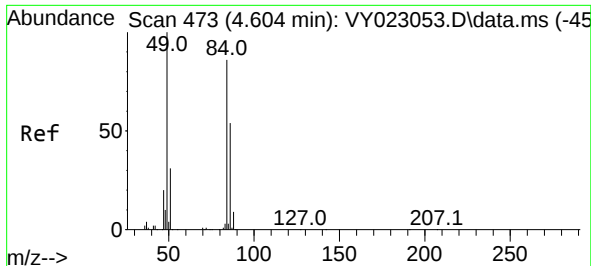
Tgt Ion:168 Resp: 592936
Ion Ratio Lower Upper
168 100
99 48.1 42.8 64.2



#16
Acetone
Concen: 3.695 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023285.D
Acq: 04 Sep 2025 15:04

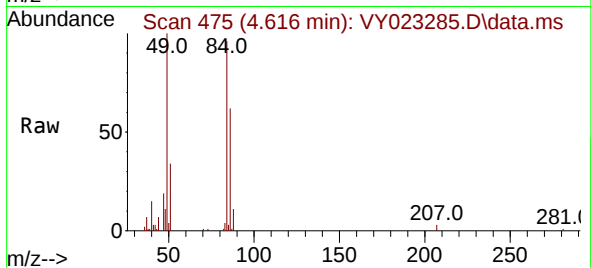
Tgt Ion: 43 Resp: 4524
Ion Ratio Lower Upper
43 100
58 34.4 27.1 40.7



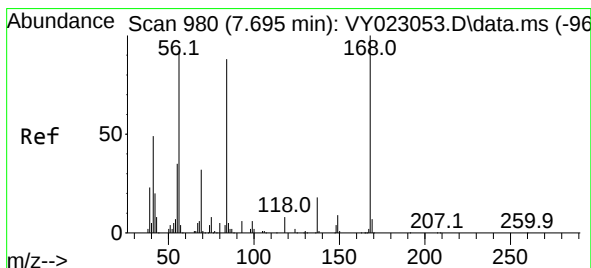
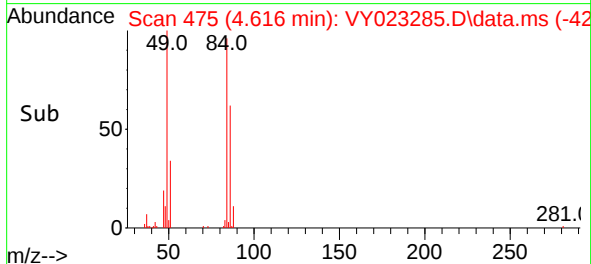
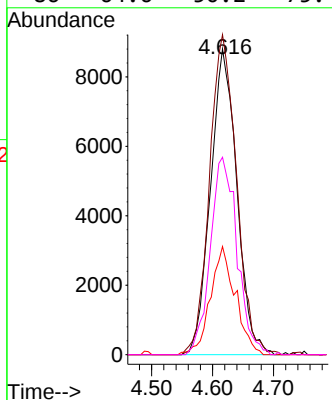


#20
Methylene Chloride
Concen: 1.523 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023285.D
Acq: 04 Sep 2025 15:04

Instrument :
MSVOA_Y
ClientSampleId :

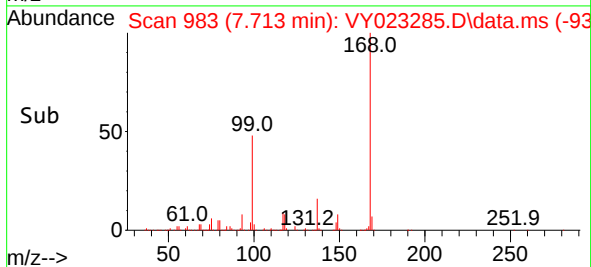
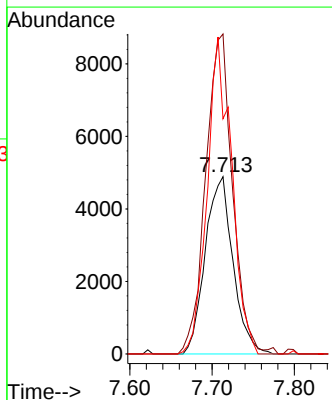
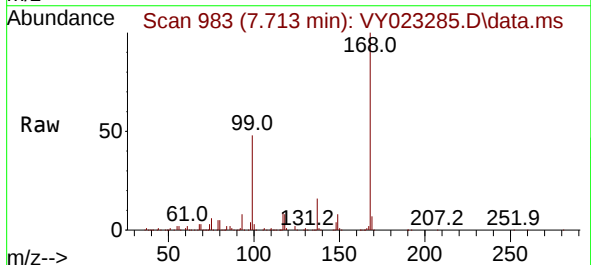


Tgt Ion:	84	Resp:	26453
Ion	Ratio	Lower	Upper
84	100		
49	104.7	93.0	139.6
51	35.4	29.0	43.4
86	64.6	50.2	75.4



#31
Cyclohexane
Concen: 1.089 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.018 min
Lab File: VY023285.D
Acq: 04 Sep 2025 15:04

Tgt Ion:	56	Resp:	11463
Ion	Ratio	Lower	Upper
56	100		
69	180.5	28.2	42.2#
84	132.7	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 58.448 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023285.D

Acq: 04 Sep 2025 15:04

Instrument :

MSVOA_Y

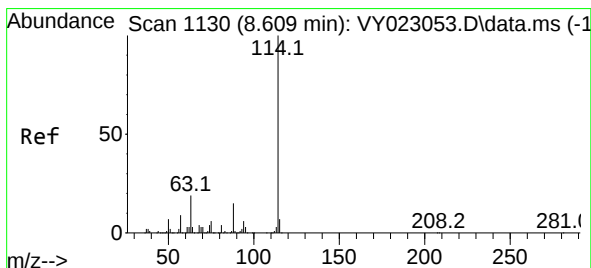
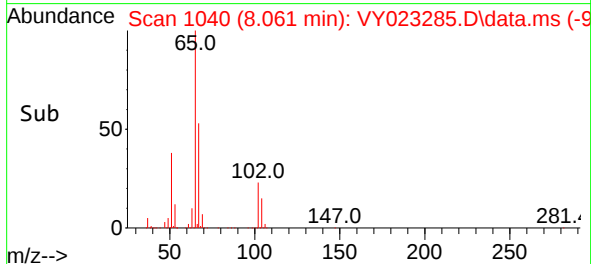
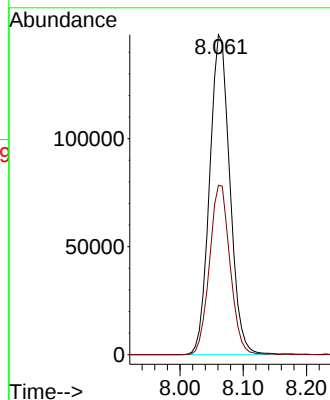
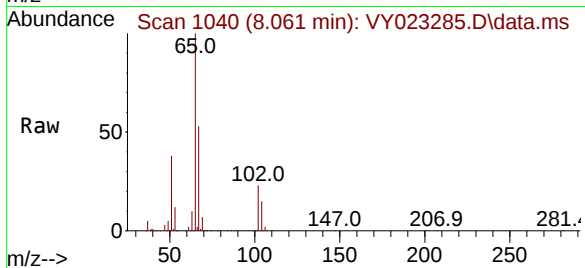
ClientSampleId :

Tgt Ion: 65 Resp: 330297

Ion Ratio Lower Upper

65 100

67 53.6 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: VY023285.D

Acq: 04 Sep 2025 15:04

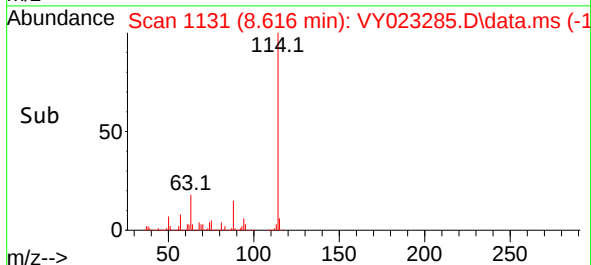
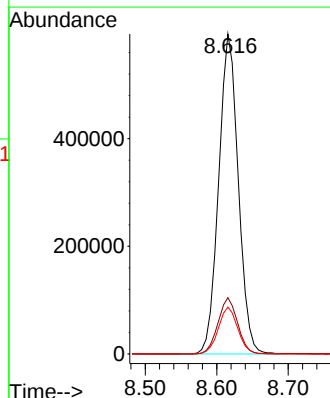
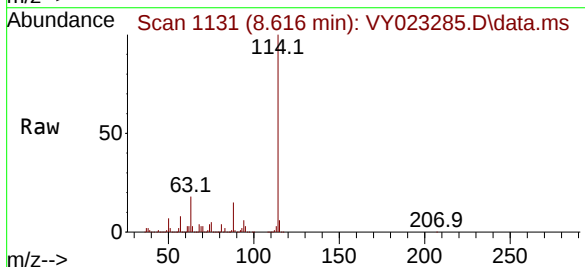
Tgt Ion: 114 Resp: 1129517

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

88 14.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 54.829 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

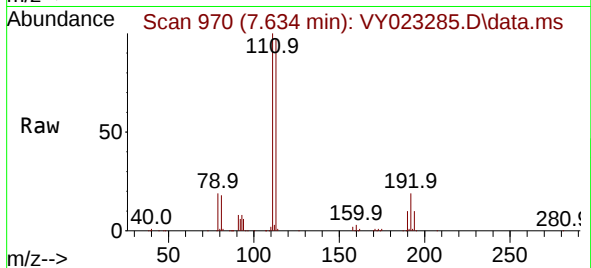
Lab File: VY023285.D

Acq: 04 Sep 2025 15:04

Instrument :

MSVOA_Y

ClientSampleId :



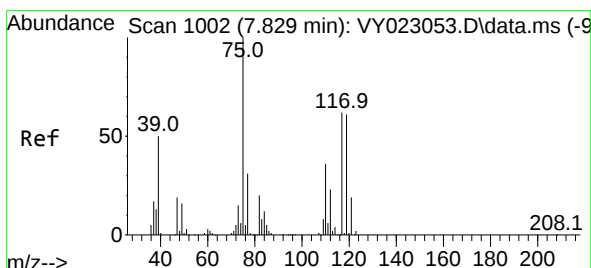
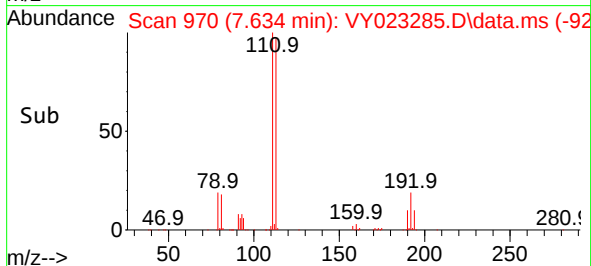
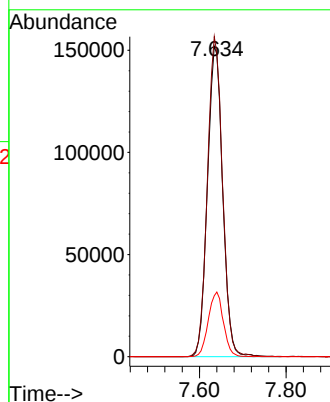
Tgt Ion:113 Resp: 370572

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

192 20.7 16.2 24.4



#36

1,1-Dichloropropene

Concen: 4.168 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023285.D

Acq: 04 Sep 2025 15:04

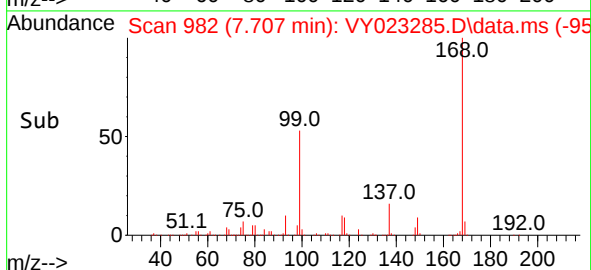
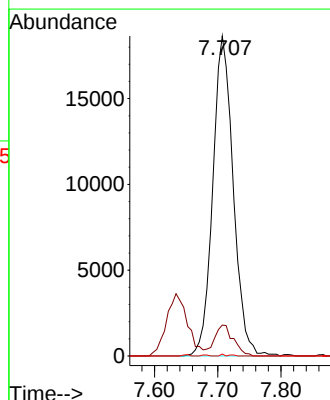
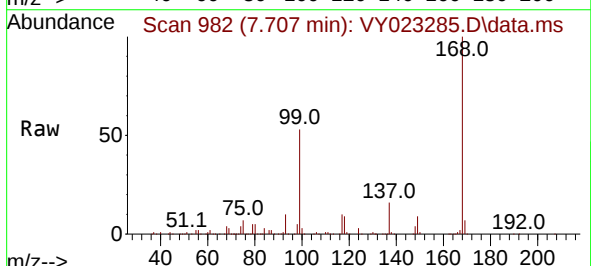
Tgt Ion: 75 Resp: 41866

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

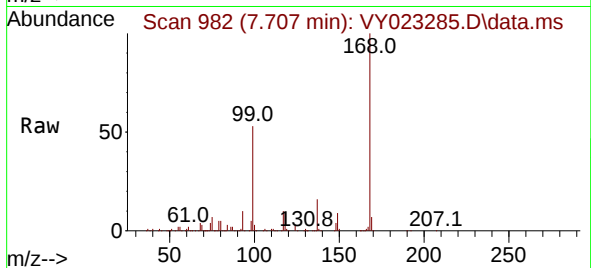
77 0.2 24.6 37.0#



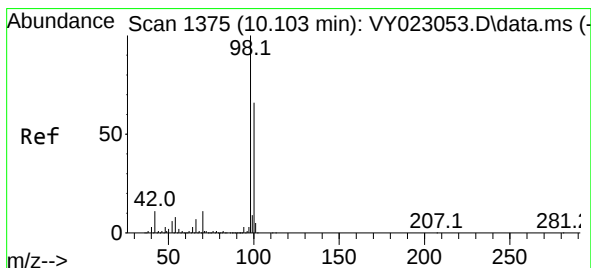
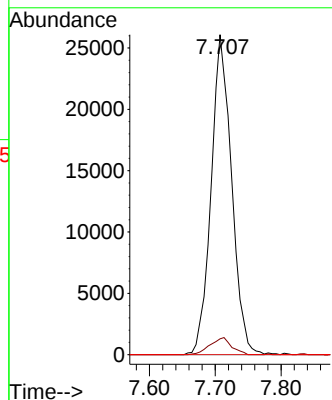
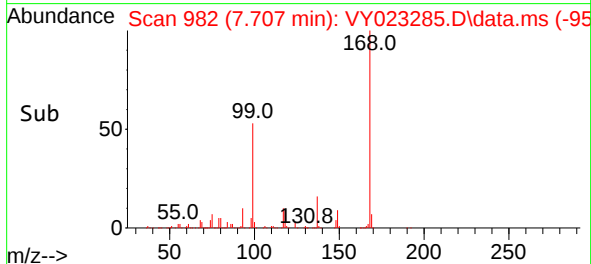


#38
Carbon Tetrachloride
Concen: 5.183 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023285.D
Acq: 04 Sep 2025 15:04

Instrument :
MSVOA_Y
ClientSampleId :

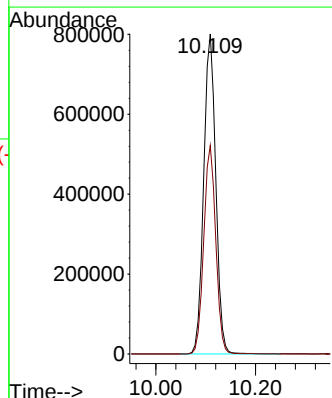
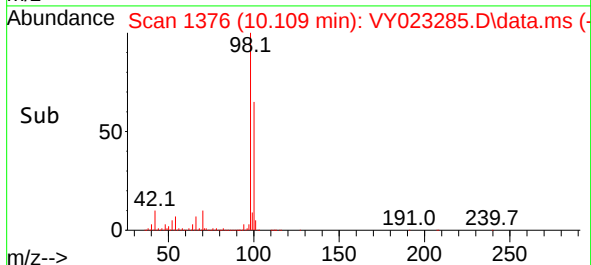
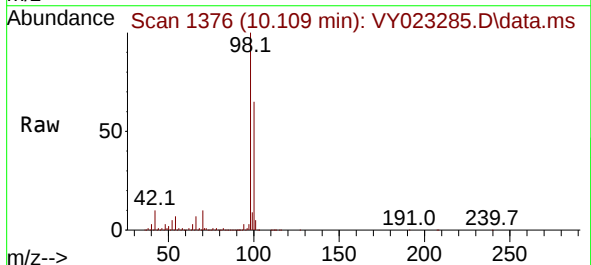


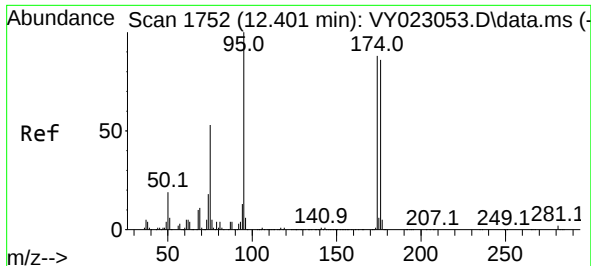
Tgt Ion:117 Resp: 56548
Ion Ratio Lower Upper
117 100
119 4.9 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 50.891 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023285.D
Acq: 04 Sep 2025 15:04

Tgt Ion: 98 Resp: 1343702
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5

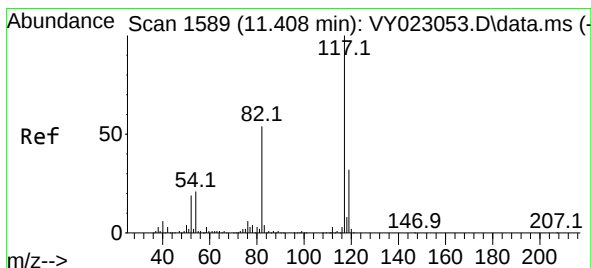
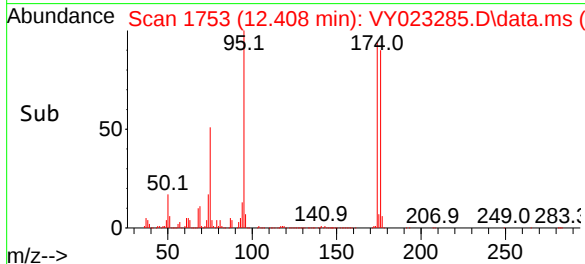
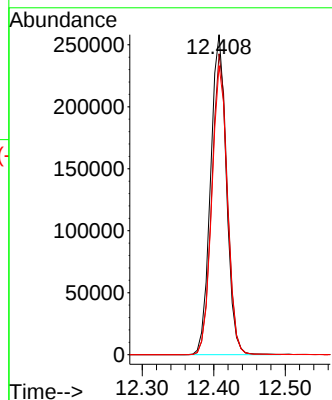
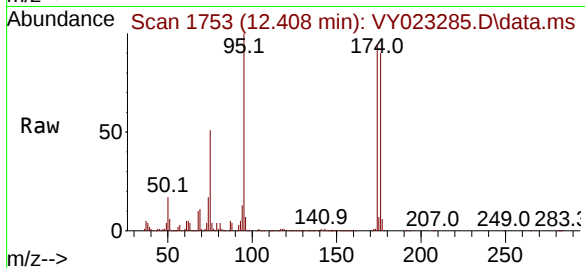




#62
4-Bromofluorobenzene
Concen: 46.740 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023285.D
Acq: 04 Sep 2025 15:04

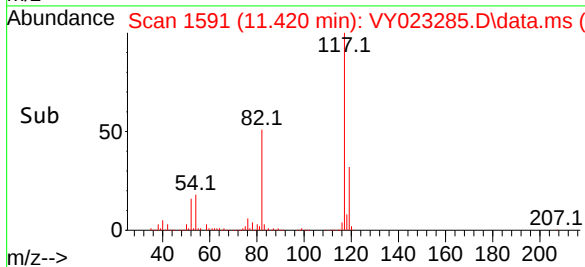
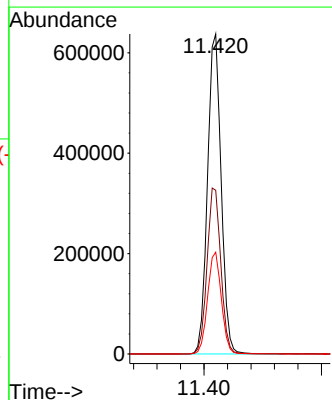
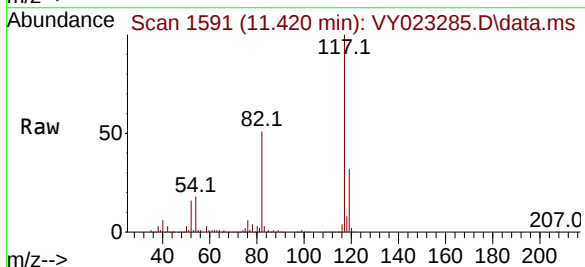
Instrument :
MSVOA_Y
ClientSampleId :

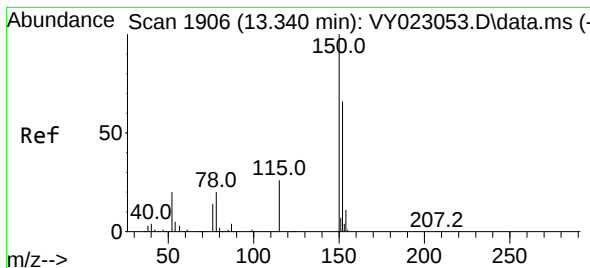
Tgt Ion: 95 Resp: 396879
Ion Ratio Lower Upper
95 100
174 92.4 0.0 171.6
176 88.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.012 min
Lab File: VY023285.D
Acq: 04 Sep 2025 15:04

Tgt Ion: 117 Resp: 1027197
Ion Ratio Lower Upper
117 100
82 51.1 43.4 65.0
119 31.8 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: VY023285.D

Acq: 04 Sep 2025 15:04

Instrument :

MSVOA_Y

ClientSampleId :

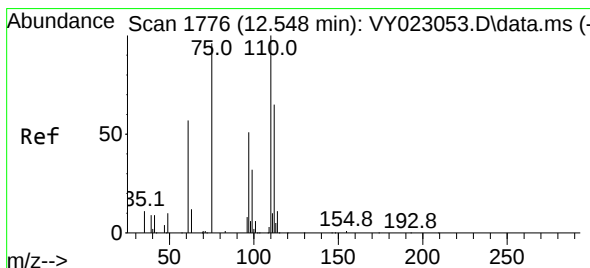
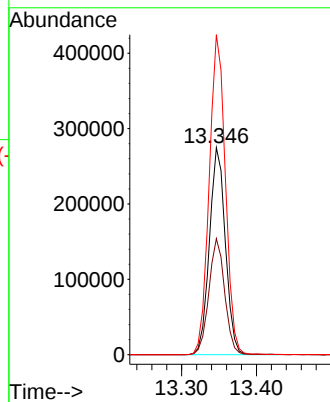
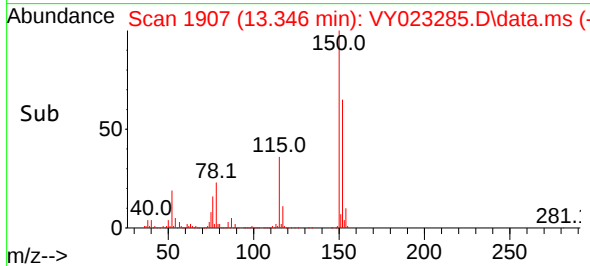
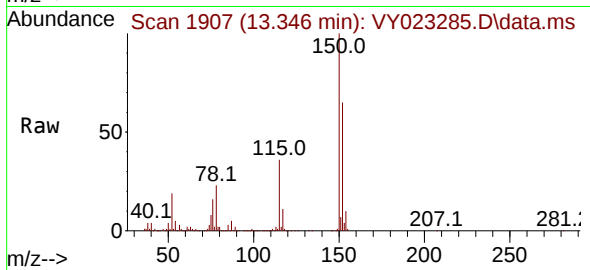
Tgt Ion:152 Resp: 407096

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.6

150 156.4 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 50.878 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023285.D

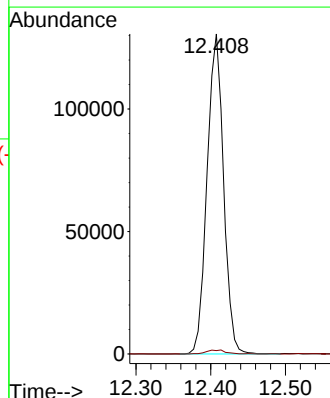
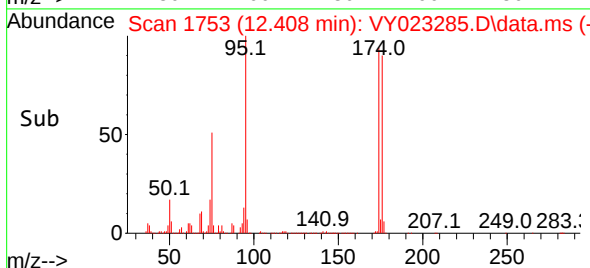
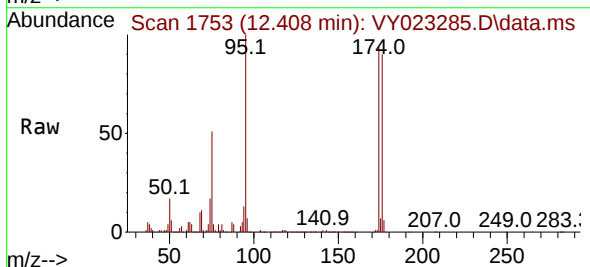
Acq: 04 Sep 2025 15:04

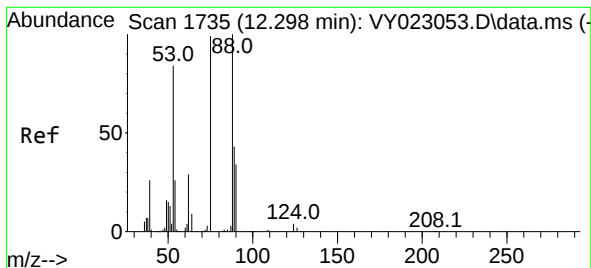
Tgt Ion: 75 Resp: 199893

Ion Ratio Lower Upper

75 100

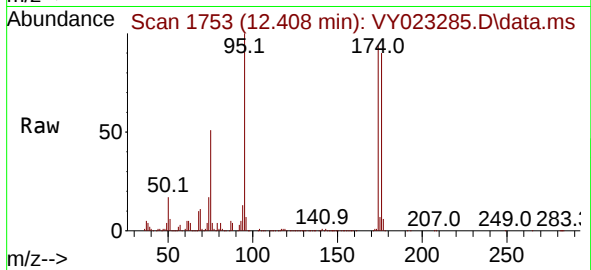
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.158 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023285.D
 Acq: 04 Sep 2025 15:04

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 199893

Ion	Ratio	Lower	Upper
75	100		
53	0.2	70.8	106.2#
89	0.1	38.1	57.1#

