

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
 Data File : VY023282.D
 Acq On : 04 Sep 2025 11:05
 Operator : SY/MD
 Sample : Q3009-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 05 04:24:24 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)

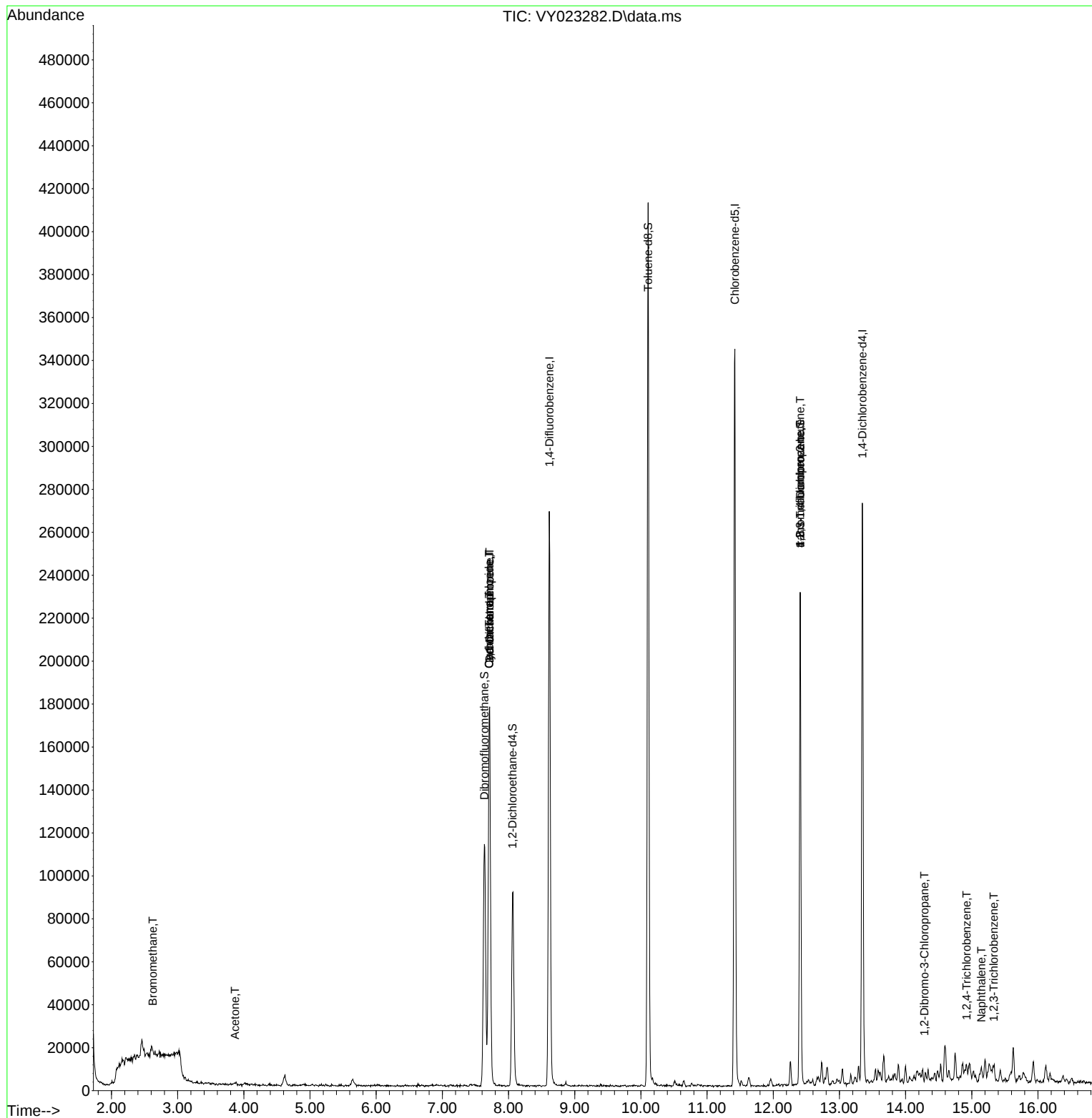
Internal Standards						
1) Pentafluorobenzene	7.713	168	147128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	235778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	196732	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	71551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	72494	51.699	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.400%	
35) Dibromofluoromethane	7.634	113	84441	59.852	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.700%	
50) Toluene-d8	10.109	98	272966	49.527	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.060%	
62) 4-Bromofluorobenzene	12.408	95	68523	38.659	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.320%	
Target Compounds						Qvalue
5) Bromomethane	2.623	94	2377	1.324	ug/l	84
16) Acetone	3.867	43	1268	4.174	ug/l #	82
20) Methylene Chloride	4.623	84	3132	Below Cal	#	81
31) Cyclohexane	7.707	56	2970	1.137	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	10887	5.192	ug/l #	50
38) Carbon Tetrachloride	7.707	117	14091	6.188	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	34627	50.145	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	34627	121.384	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.285	75	149	1.110	ug/l #	34
93) 1,2,4-Trichlorobenzene	14.919	180	1882	1.527	ug/l #	76
95) Naphthalene	15.145	128	4277	2.036	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.334	180	2259	2.128	ug/l #	66

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023282.D
Acq On : 04 Sep 2025 11:05
Operator : SY/MD
Sample : Q3009-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Sep 05 04:24:24 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

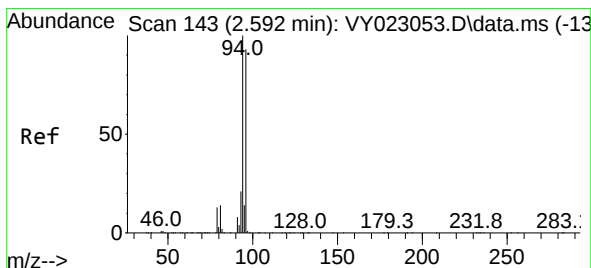
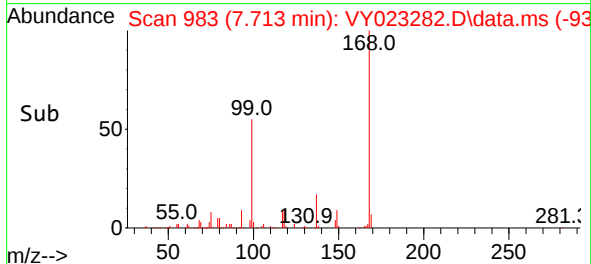
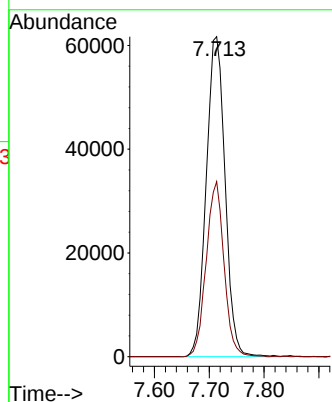
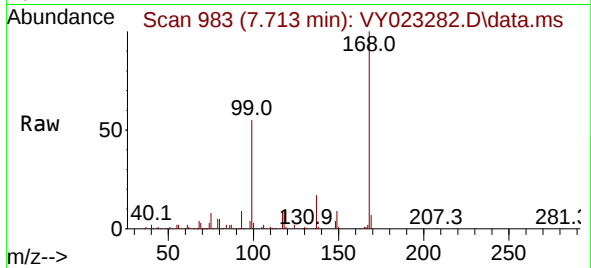




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

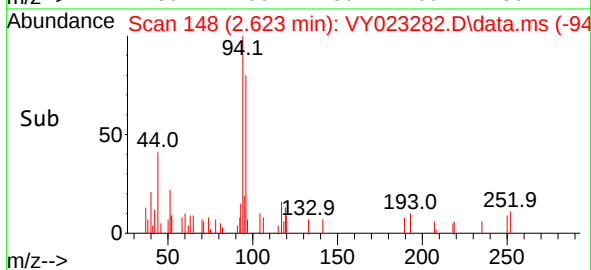
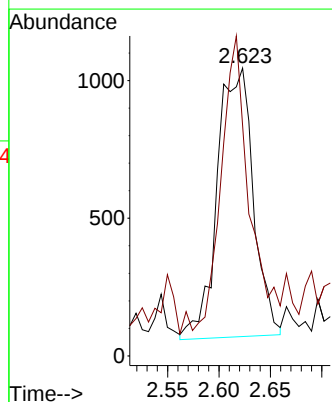
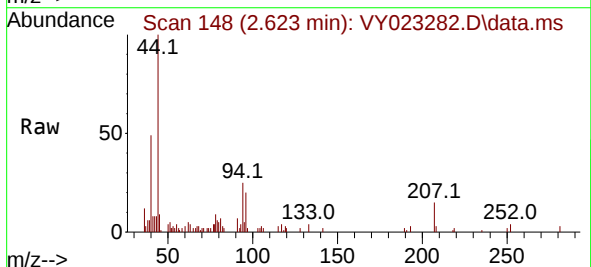
Instrument :
MSVOA_Y
ClientSampleId :

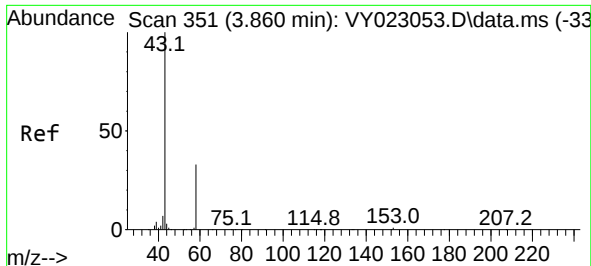
Tgt Ion:168 Resp: 147128
Ion Ratio Lower Upper
168 100
99 54.7 42.8 64.2



#5
Bromomethane
Concen: 1.324 ug/l
RT: 2.623 min Scan# 148
Delta R.T. 0.031 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

Tgt Ion: 94 Resp: 2377
Ion Ratio Lower Upper
94 100
96 78.2 74.6 112.0

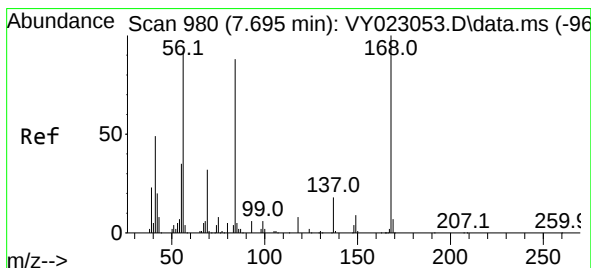
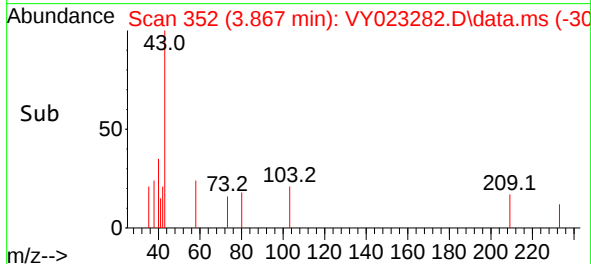
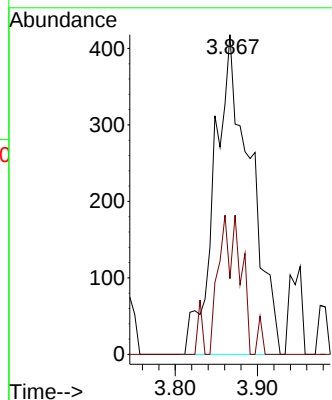
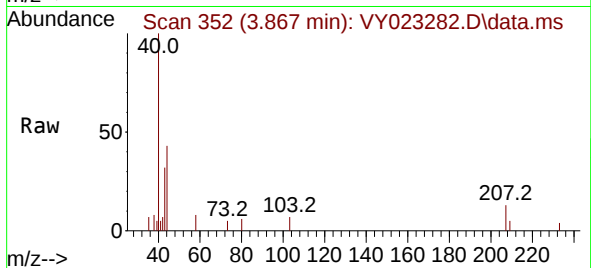




#16
Acetone
Concen: 4.174 ug/l
RT: 3.867 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

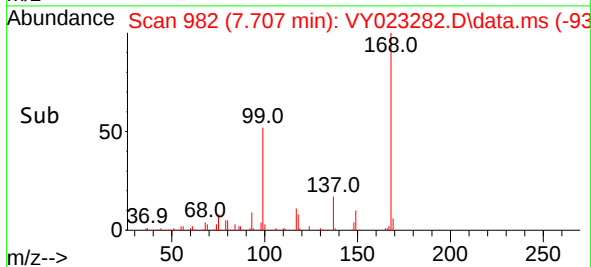
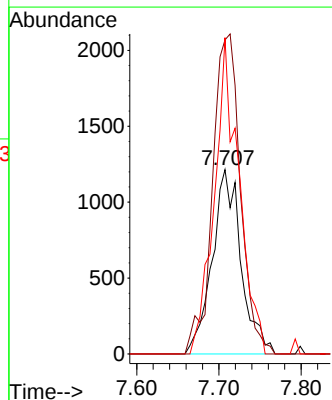
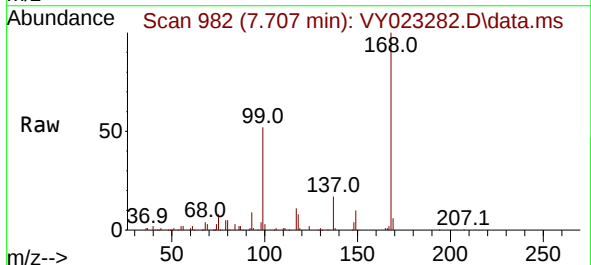
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 1268
Ion Ratio Lower Upper
43 100
58 23.7 27.1 40.7#



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

Tgt Ion: 56 Resp: 2970
Ion Ratio Lower Upper
56 100
69 170.4 28.2 42.2#
84 171.7 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 51.699 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023282.D

Acq: 04 Sep 2025 11:05

Instrument :

MSVOA_Y

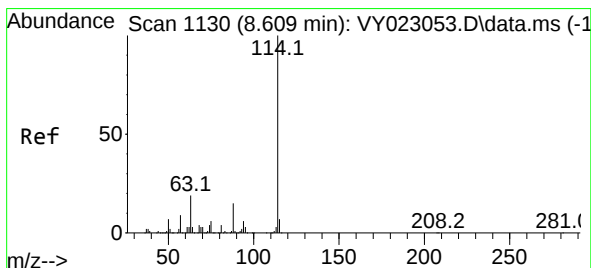
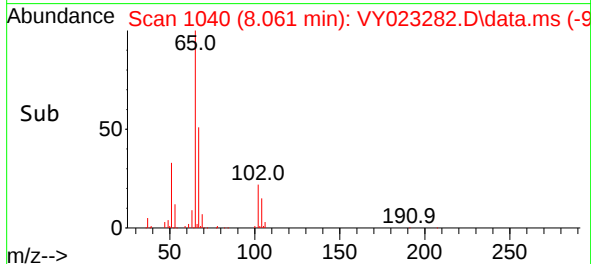
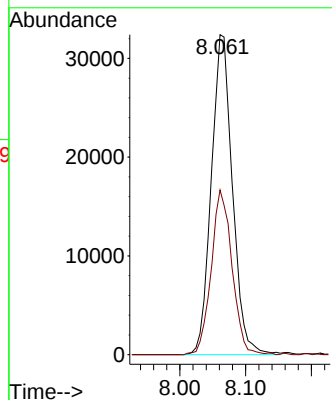
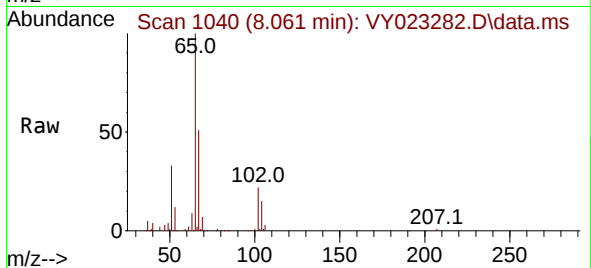
ClientSampleId :

Tgt Ion: 65 Resp: 72494

Ion Ratio Lower Upper

65 100

67 50.7 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: VY023282.D

Acq: 04 Sep 2025 11:05

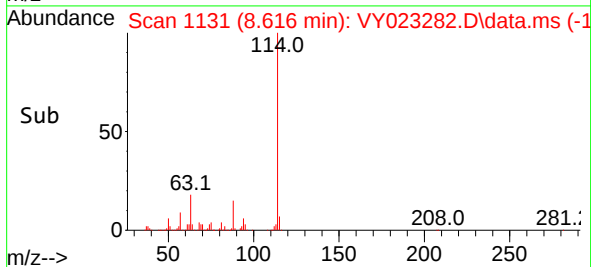
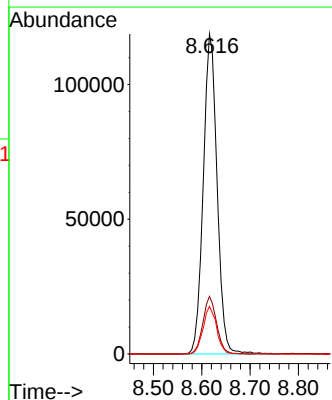
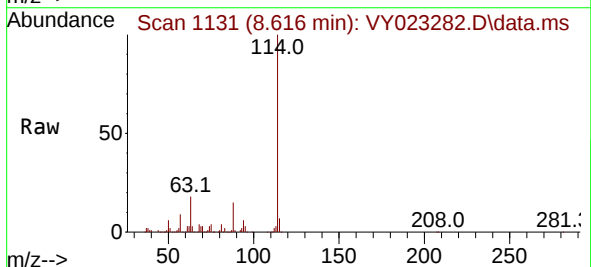
Tgt Ion: 114 Resp: 235778

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

88 14.9 0.0 30.0

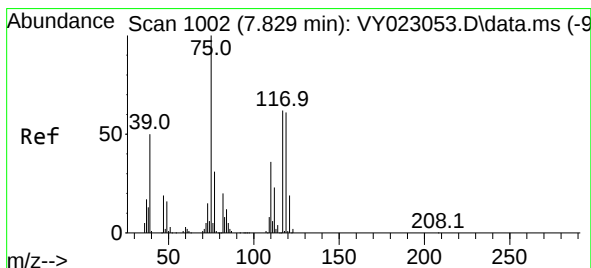
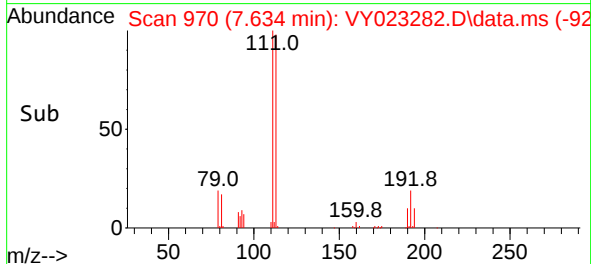
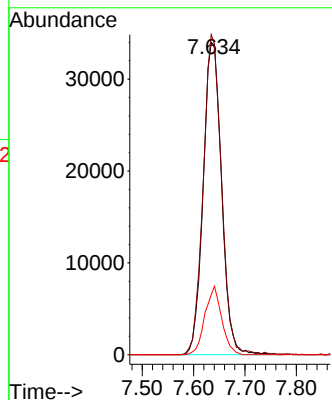
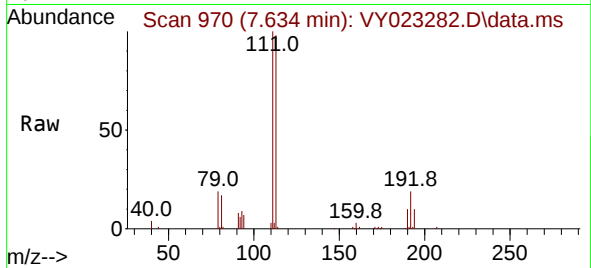




#35
Dibromofluoromethane
Concen: 59.852 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

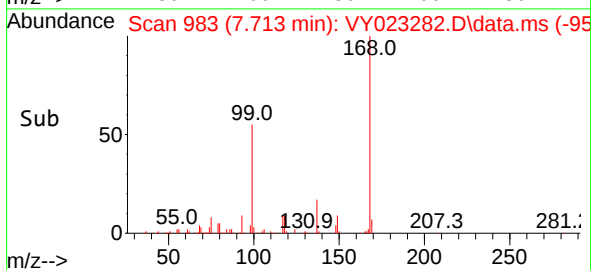
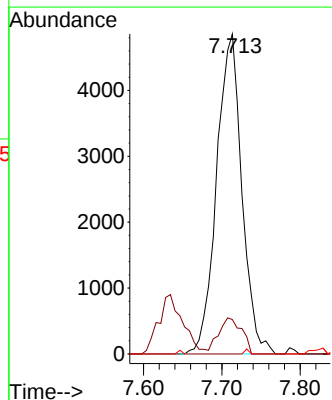
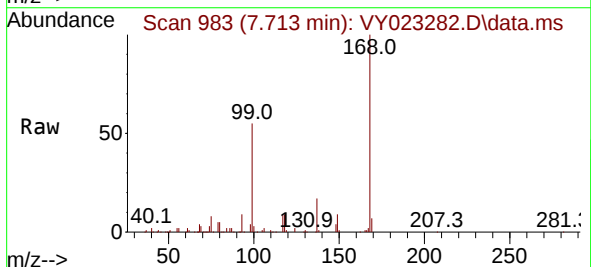
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:113 Resp: 84441
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 20.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 5.192 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

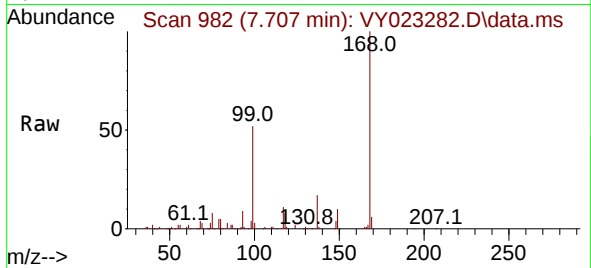
Tgt Ion: 75 Resp: 10887
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.4#
77 0.0 24.6 37.0#



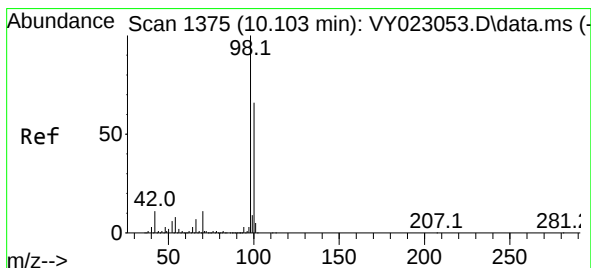
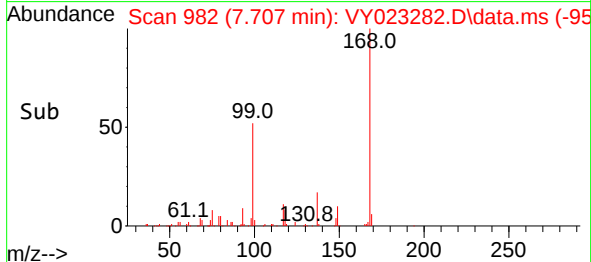
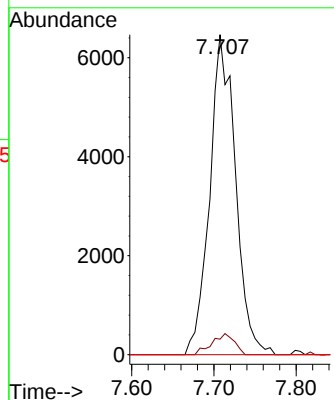


#38
Carbon Tetrachloride
Concen: 6.188 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :

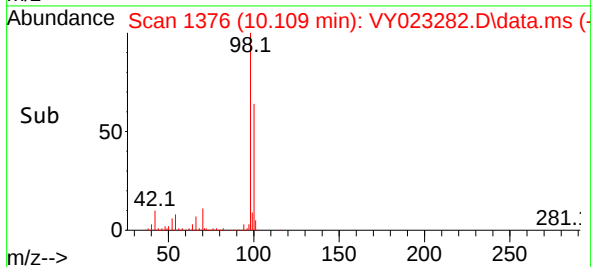
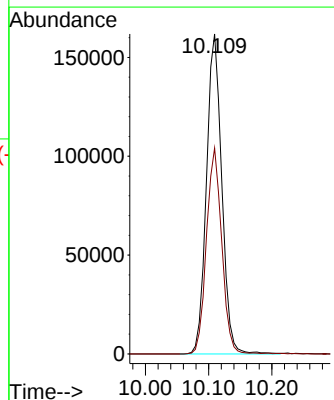
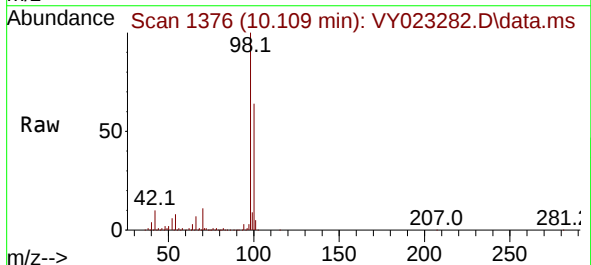


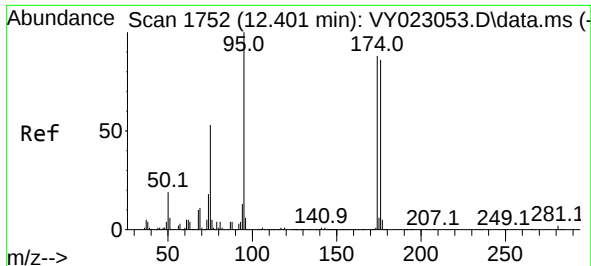
Tgt Ion:117 Resp: 14091
Ion Ratio Lower Upper
117 100
119 4.8 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 49.527 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

Tgt Ion: 98 Resp: 272966
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5

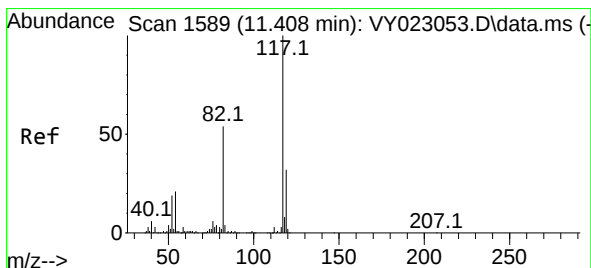
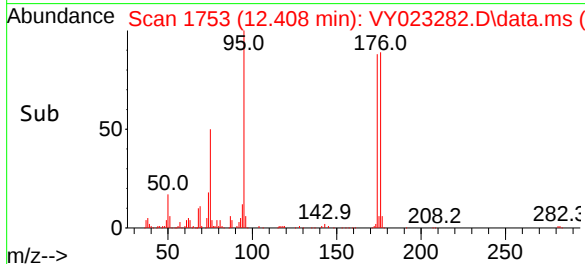
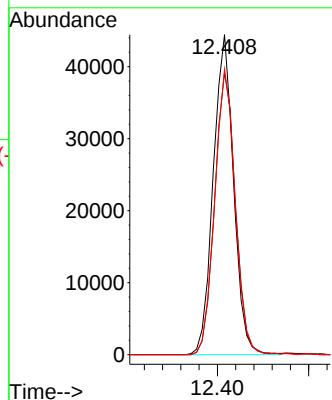
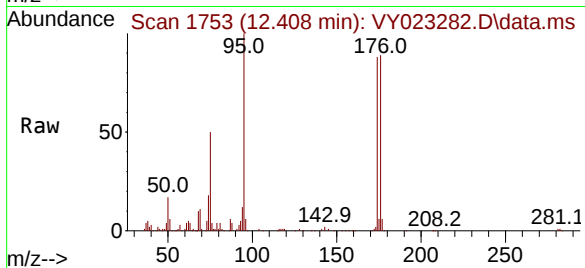




#62
4-Bromofluorobenzene
Concen: 38.659 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

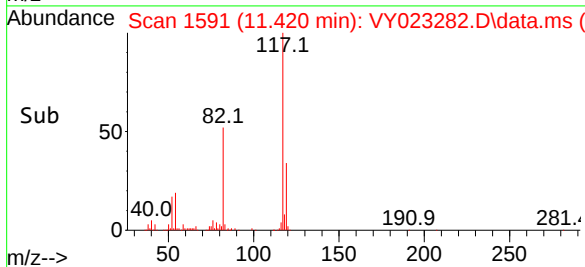
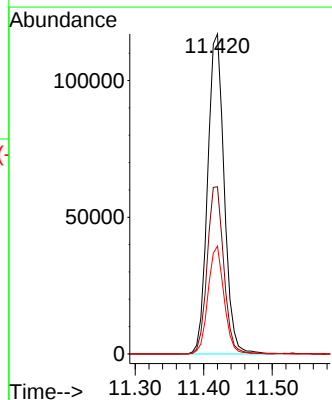
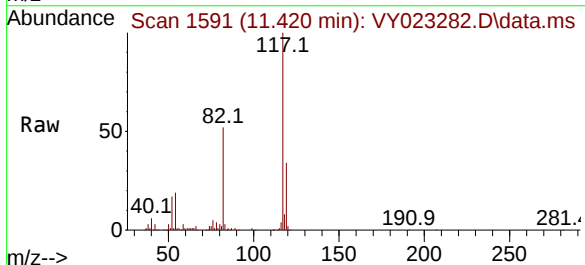
Instrument :
MSVOA_Y
ClientSampleId :

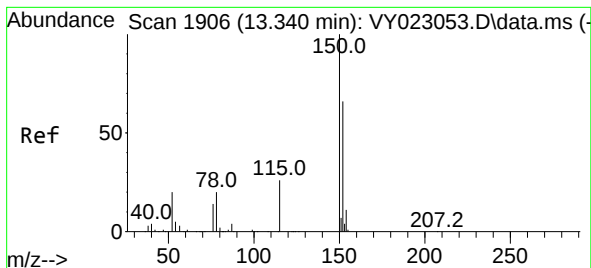
Tgt Ion: 95 Resp: 68523
Ion Ratio Lower Upper
95 100
174 89.9 0.0 171.6
176 90.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.012 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

Tgt Ion: 117 Resp: 196732
Ion Ratio Lower Upper
117 100
82 52.3 43.4 65.0
119 33.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023282.D

Acq: 04 Sep 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

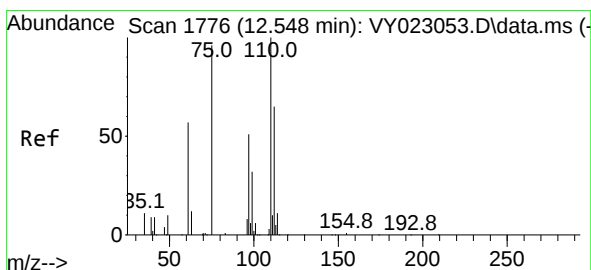
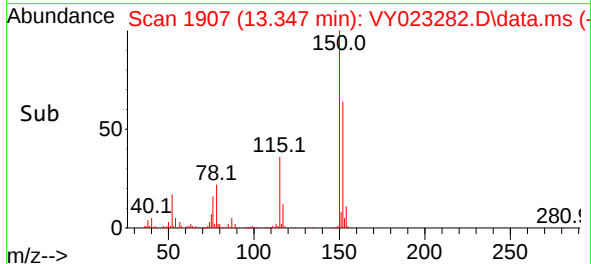
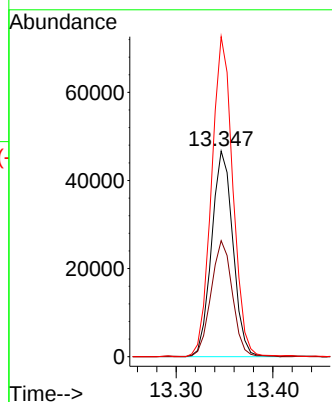
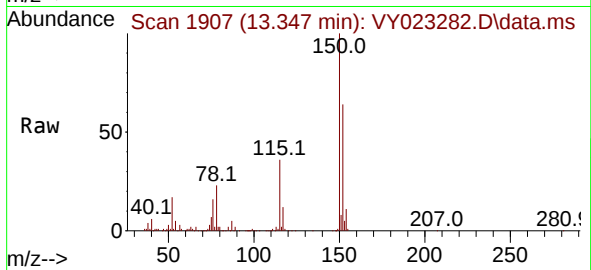
Tgt Ion:152 Resp: 71551

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 155.8 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 50.145 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023282.D

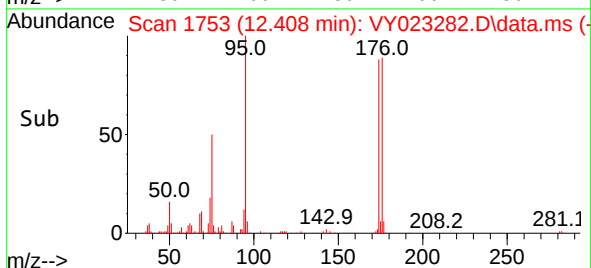
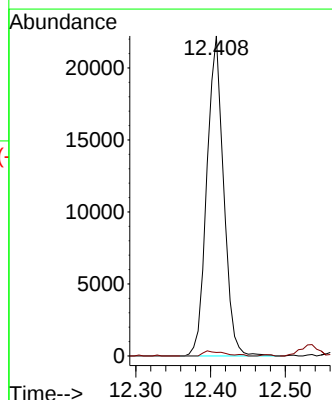
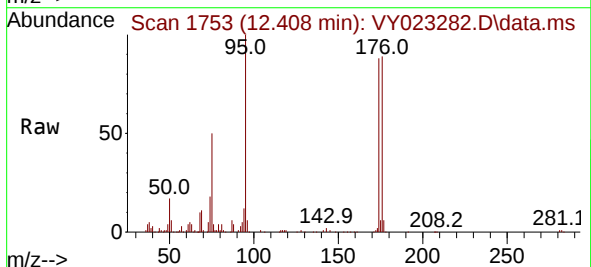
Acq: 04 Sep 2025 11:05

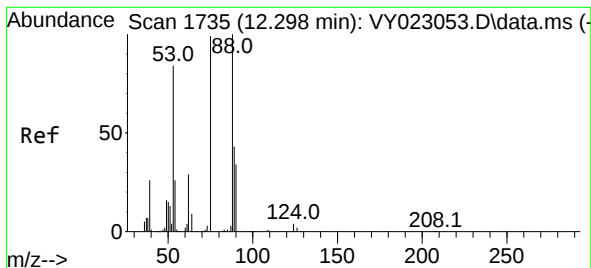
Tgt Ion: 75 Resp: 34627

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#

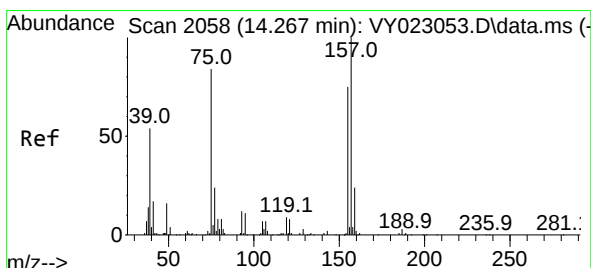
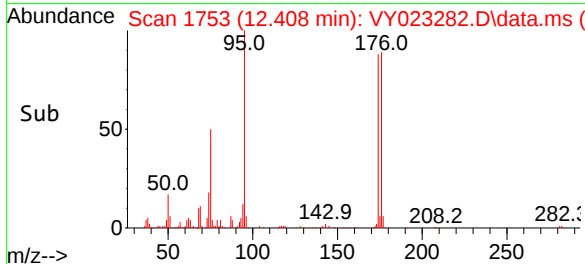
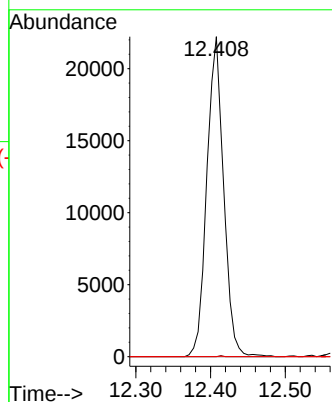
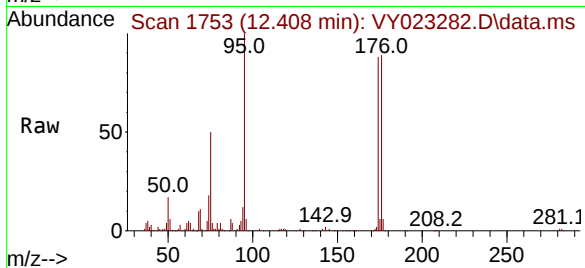




#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.384 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023282.D
 Acq: 04 Sep 2025 11:05

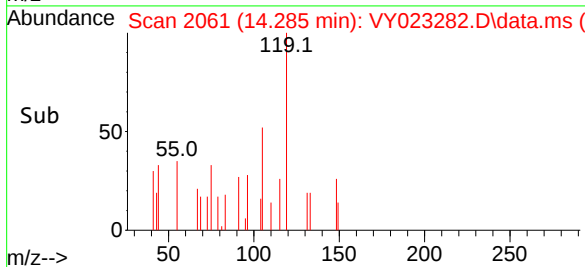
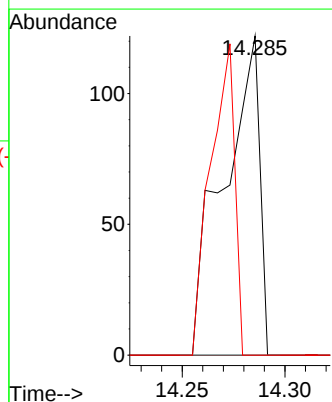
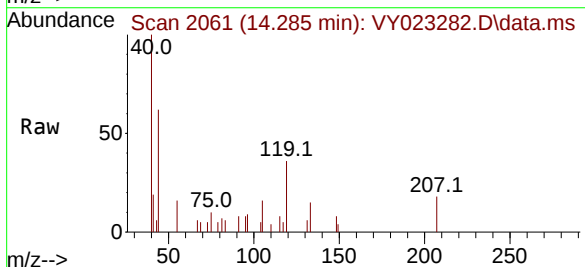
Instrument :
 MSVOA_Y
 ClientSampleId :

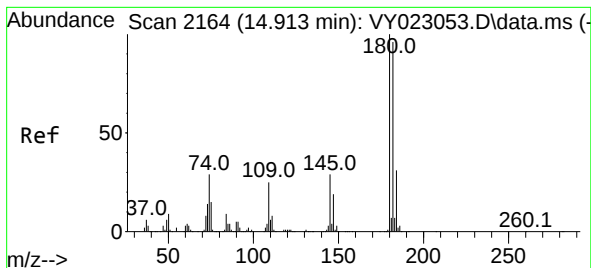
Tgt Ion: 75 Resp: 34627
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.110 ug/l
 RT: 14.285 min Scan# 2061
 Delta R.T. 0.019 min
 Lab File: VY023282.D
 Acq: 04 Sep 2025 11:05

Tgt Ion: 75 Resp: 149
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.9 131.6#
 157 65.8 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 1.527 ug/l

RT: 14.919 min Scan# 2164

Delta R.T. 0.006 min

Lab File: VY023282.D

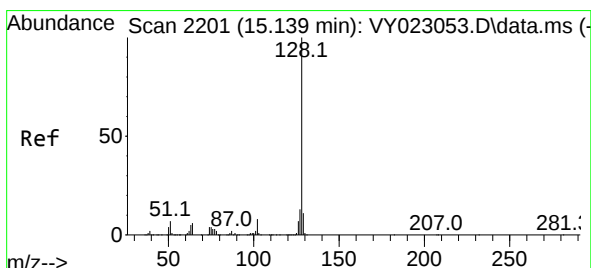
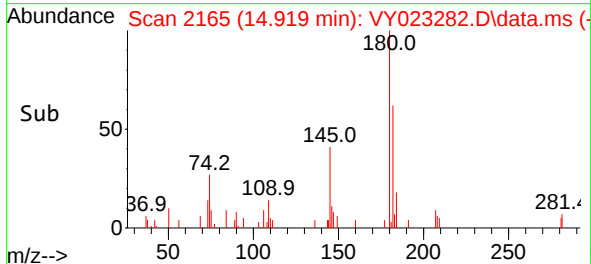
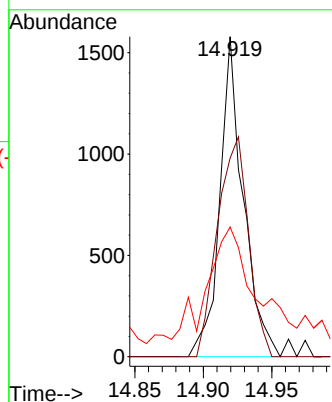
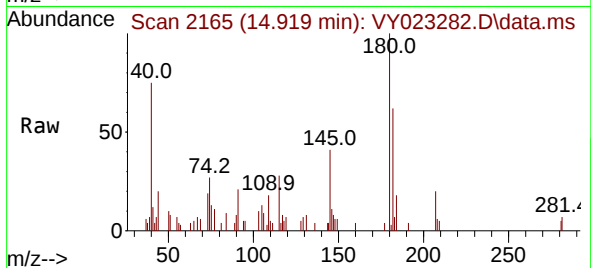
Acq: 04 Sep 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:180	Resp:	1882
Ion Ratio	Lower	Upper
180	100	
182	90.8	46.8 140.4
145	77.7	14.4 43.4#



#95

Naphthalene

Concen: 2.036 ug/l

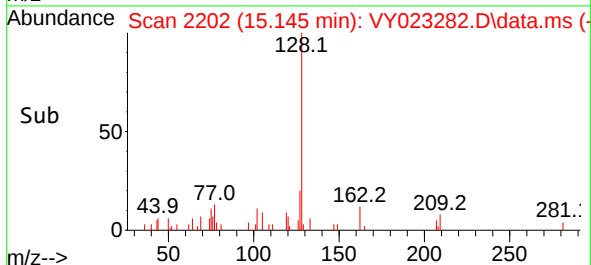
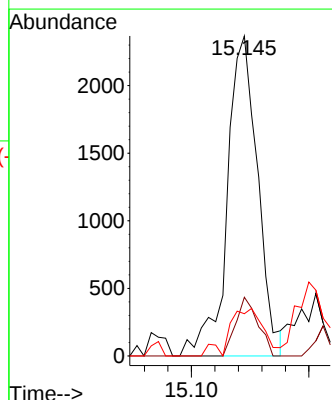
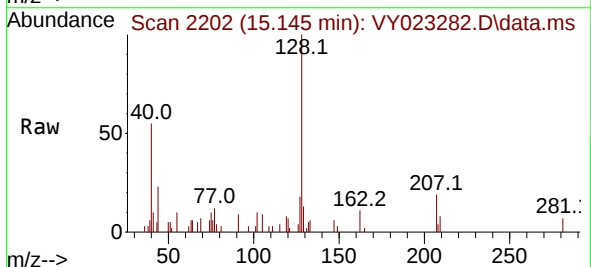
RT: 15.145 min Scan# 2202

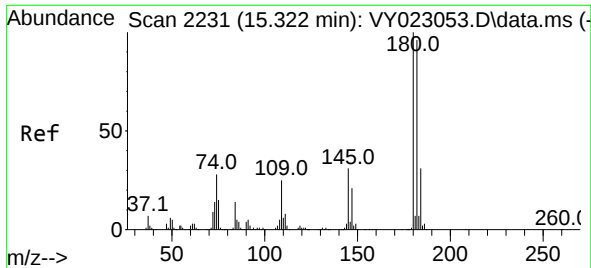
Delta R.T. 0.006 min

Lab File: VY023282.D

Acq: 04 Sep 2025 11:05

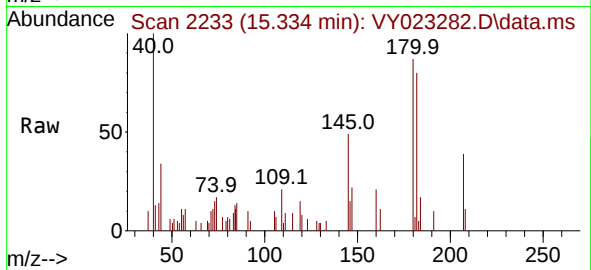
Tgt Ion:128	Resp:	4277
Ion Ratio	Lower	Upper
128	100	
127	13.3	10.4 15.6
129	16.9	9.0 13.4#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.128 ug/l
 RT: 15.334 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VY023282.D
 Acq: 04 Sep 2025 11:05

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	2259
Ion Ratio	Lower	Upper	
180	100		
182	83.1	47.9	143.7
145	86.2	15.9	47.7#

