

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022509.D
 Acq On : 02 Jun 2025 19:08
 Operator : SY/MD
 Sample : Q2150-05RE
 Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 03 04:10:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

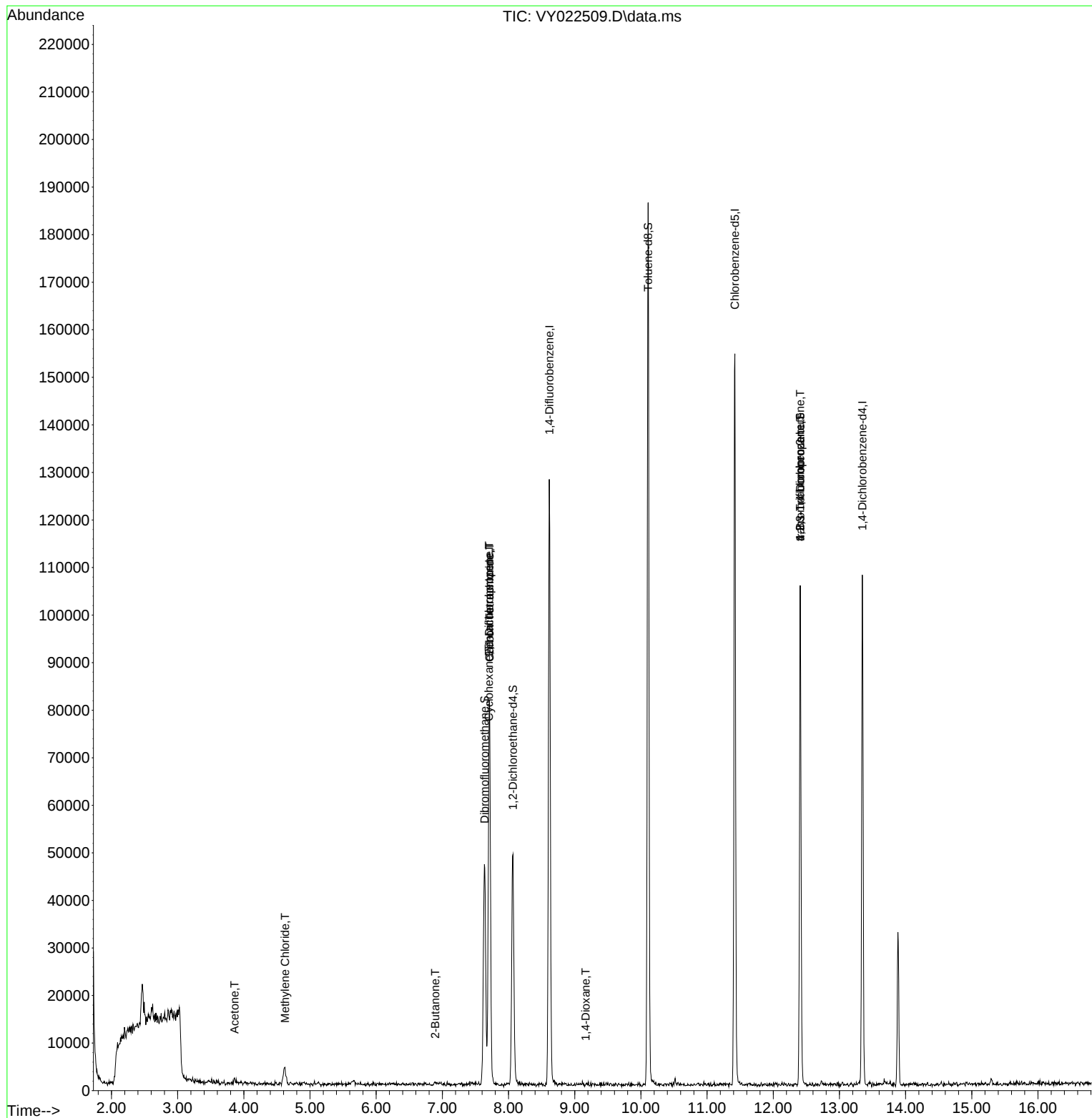
Internal Standards						
1) Pentafluorobenzene	7.707	168	60813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	105433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	78237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	24479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	37335	54.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.780%	
35) Dibromofluoromethane	7.640	113	33266	52.861	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.720%	
50) Toluene-d8	10.109	98	119467	46.982	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.960%	
62) 4-Bromofluorobenzene	12.408	95	26331	34.755	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 69.500%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	1476	10.686	ug/l	91
20) Methylene Chloride	4.622	84	2442	3.112	ug/l #	67
25) 2-Butanone	6.890	43	310	1.556	ug/l #	46
31) Cyclohexane	7.701	56	1891	1.447	ug/l #	72
36) 1,1-Dichloropropene	7.707	75	6033	5.907	ug/l #	50
38) Carbon Tetrachloride	7.713	117	6422	6.129	ug/l #	17
49) 1,4-Dioxane	9.164	88	24	5.051	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	16840	60.132	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	16840	145.216	ug/l #	11

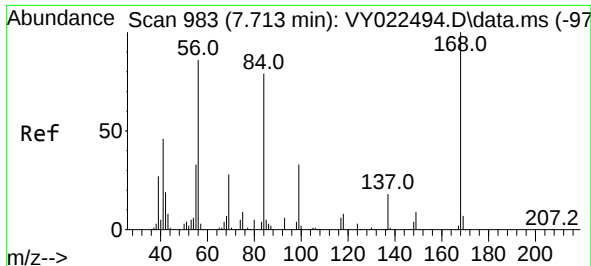
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VSTDC0050EC

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Quant Title : SW846 8260
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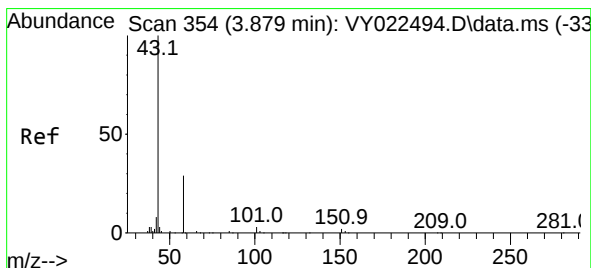
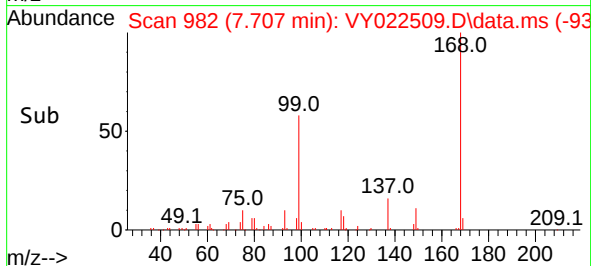
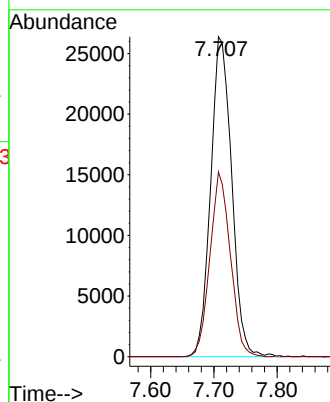
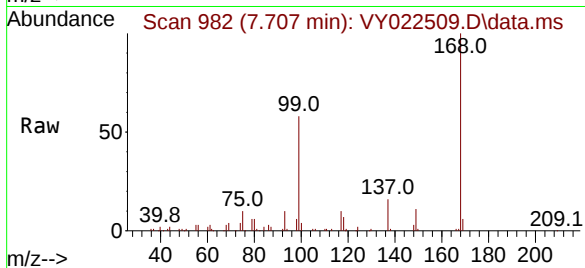




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022509.D
Acq: 02 Jun 2025 19:08

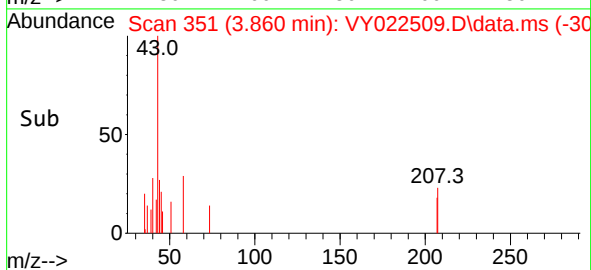
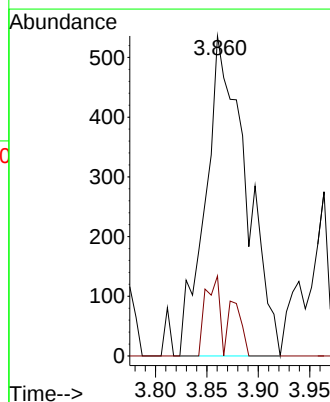
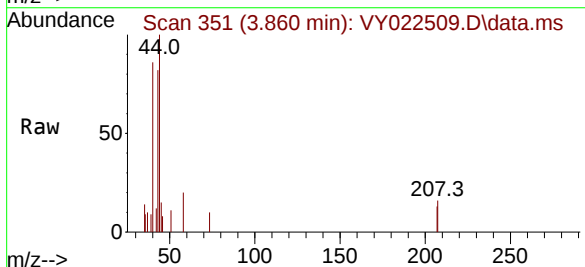
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

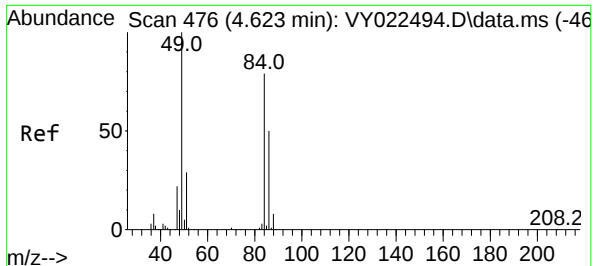
Tgt Ion:168 Resp: 60813
Ion Ratio Lower Upper
168 100
99 57.7 44.3 66.5



#16
Acetone
Concen: 10.686 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022509.D
Acq: 02 Jun 2025 19:08

Tgt Ion: 43 Resp: 1476
Ion Ratio Lower Upper
43 100
58 25.0 24.0 36.0

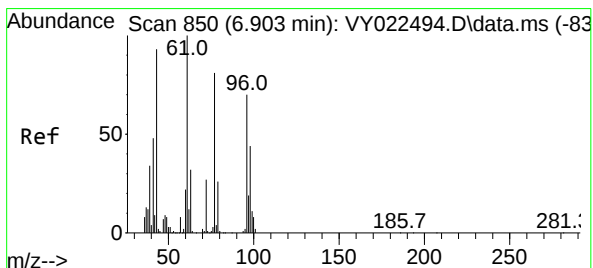
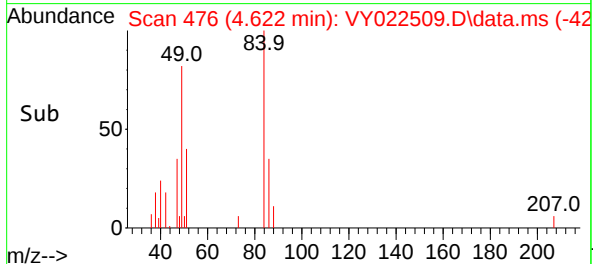
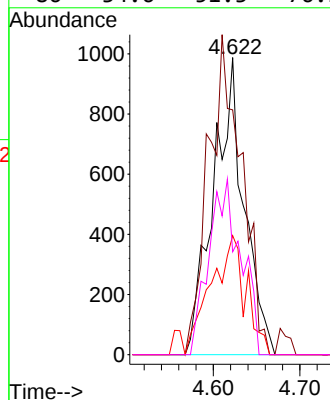
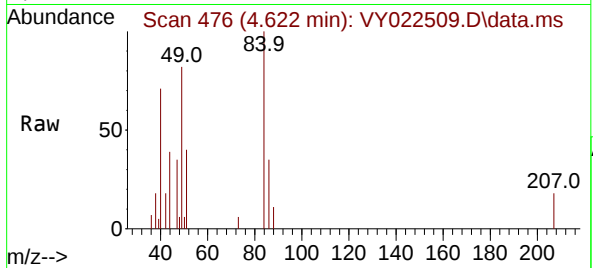




#20
Methylene Chloride
Concen: 3.112 ug/l
RT: 4.622 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022509.D
Acq: 02 Jun 2025 19:08

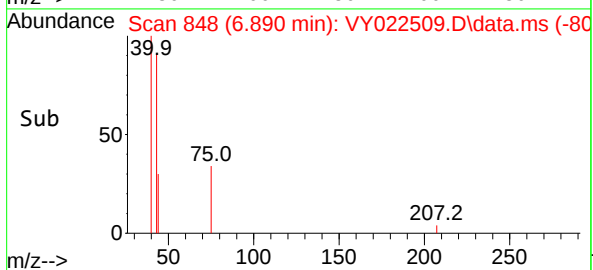
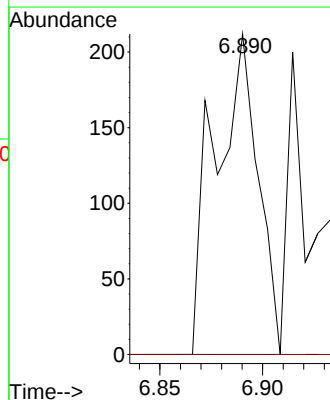
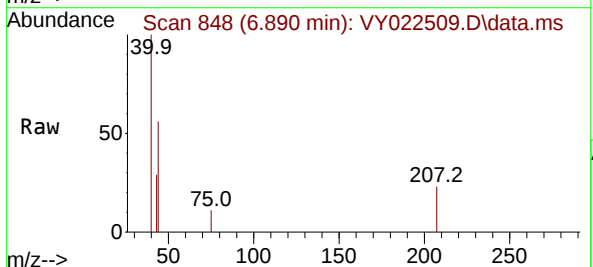
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

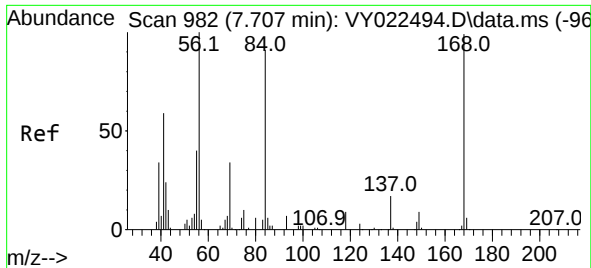
Tgt Ion:	84	Resp:	2442
Ion	Ratio	Lower	Upper
84	100		
49	82.4	101.9	152.9#
51	40.1	29.8	44.8
86	34.6	51.3	76.9#



#25
2-Butanone
Concen: 1.556 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022509.D
Acq: 02 Jun 2025 19:08

Tgt Ion:	43	Resp:	310
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.9	34.3#

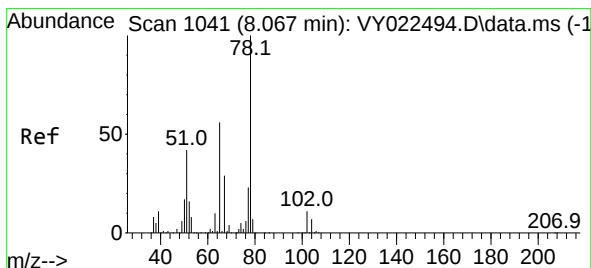
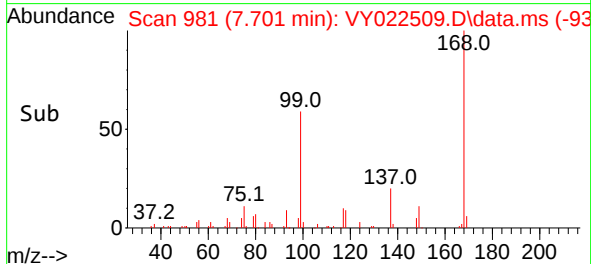
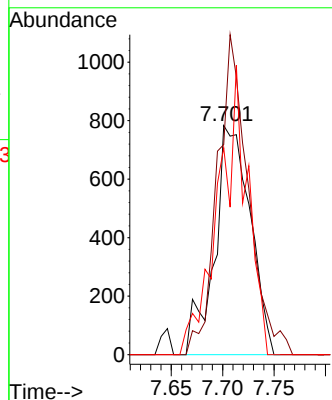
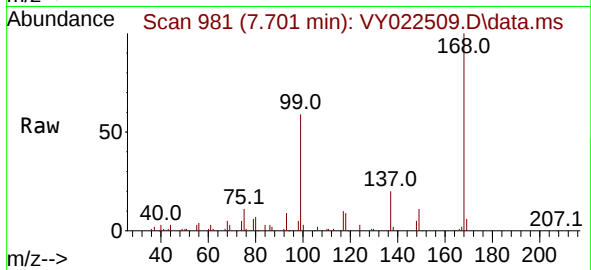




#31
Cyclohexane
Concen: 1.447 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022509.D
Acq: 02 Jun 2025 19:08

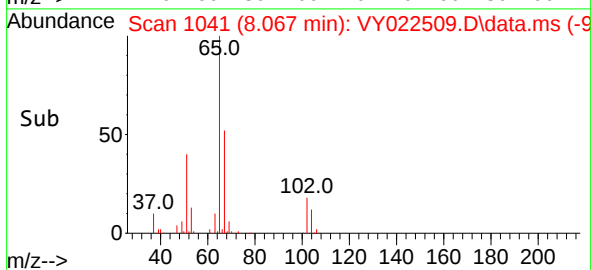
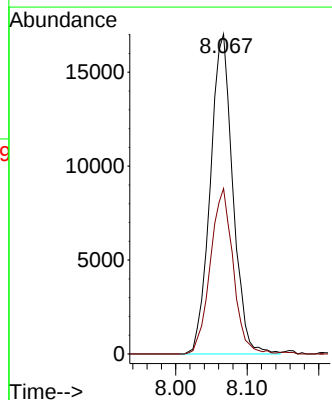
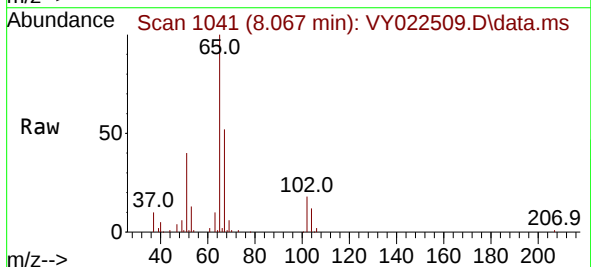
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

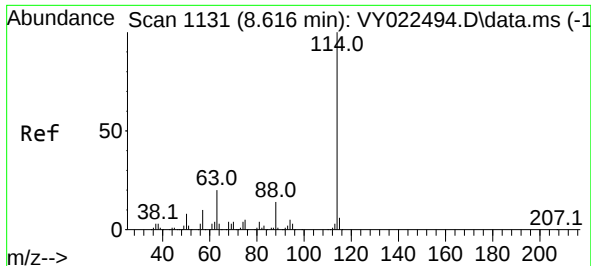
Tgt Ion: 56 Resp: 1891
Ion Ratio Lower Upper
56 100
69 91.7 27.0 40.6#
84 90.3 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 54.892 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022509.D
Acq: 02 Jun 2025 19:08

Tgt Ion: 65 Resp: 37335
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4

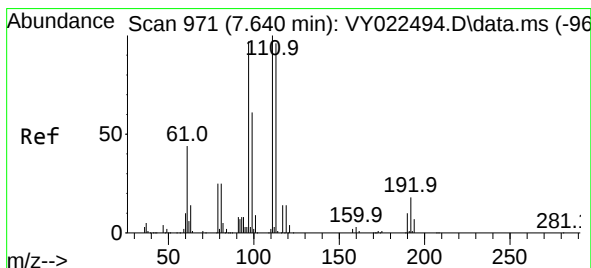
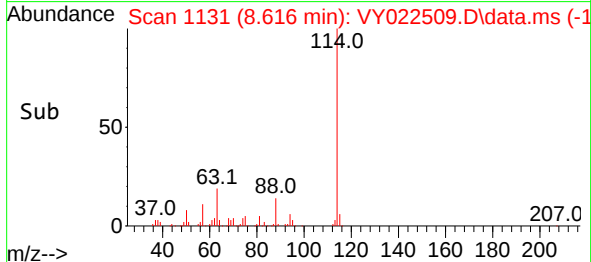
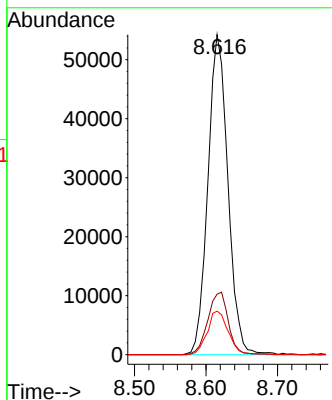
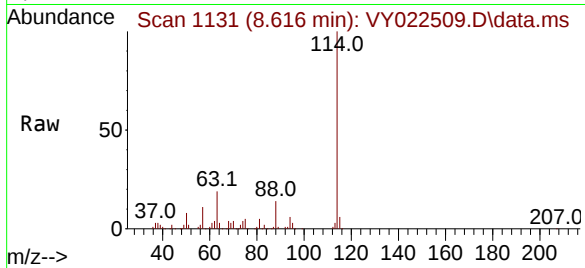




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY022509.D
 Acq: 02 Jun 2025 19:08

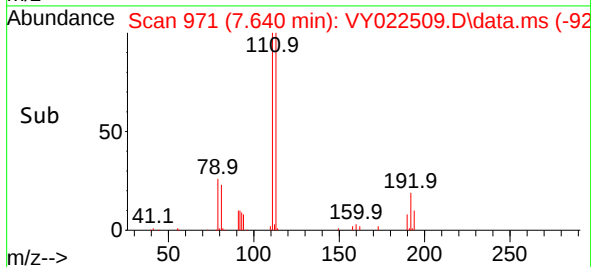
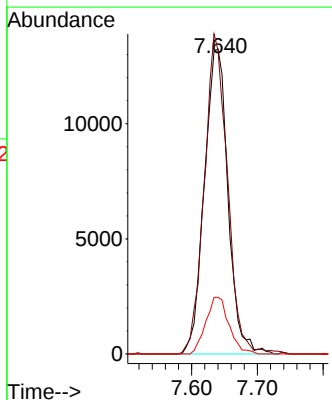
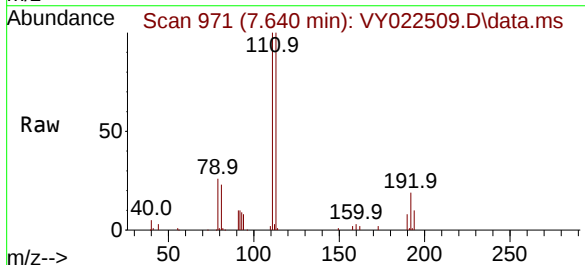
Instrument :
 MSVOA_Y
 ClientSampleId :
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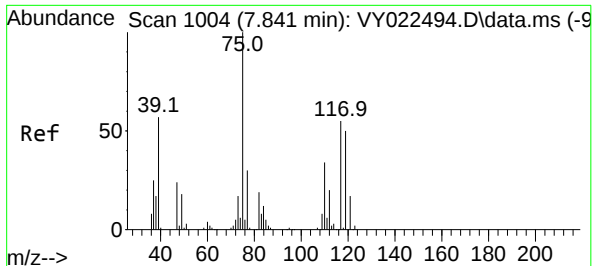
Tgt Ion:114 Resp: 105433
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.8
 88 13.6 0.0 27.8



#35
 Dibromofluoromethane
 Concen: 52.861 ug/l
 RT: 7.640 min Scan# 971
 Delta R.T. -0.000 min
 Lab File: VY022509.D
 Acq: 02 Jun 2025 19:08

Tgt Ion:113 Resp: 33266
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.1 121.7
 192 18.2 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.907 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY022509.D

Acq: 02 Jun 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

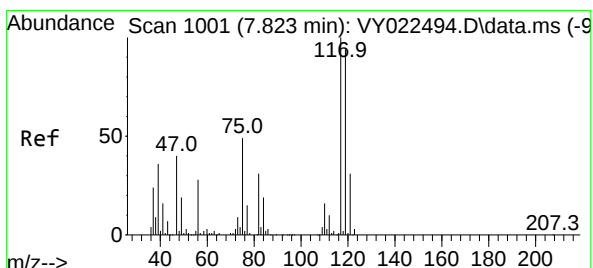
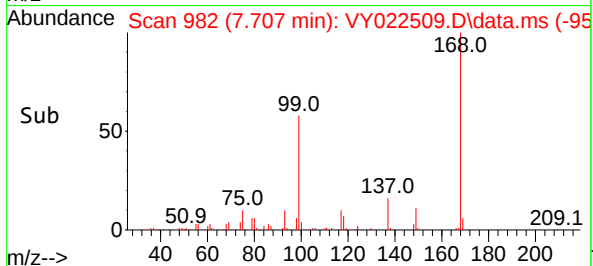
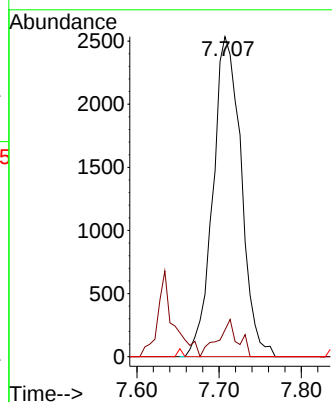
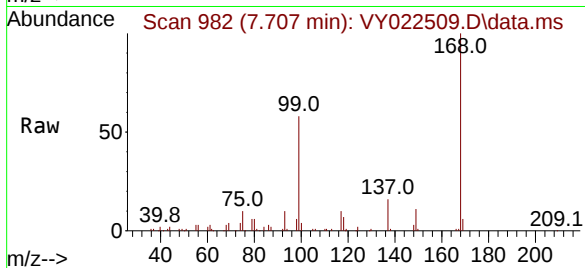
Tgt Ion: 75 Resp: 6033

Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.129 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022509.D

Acq: 02 Jun 2025 19:08

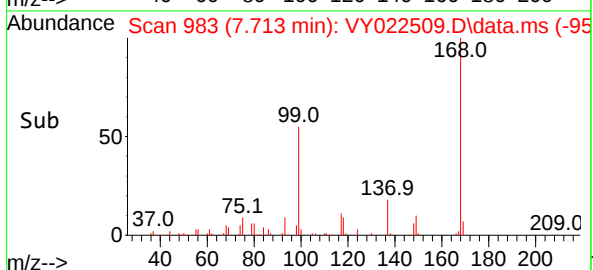
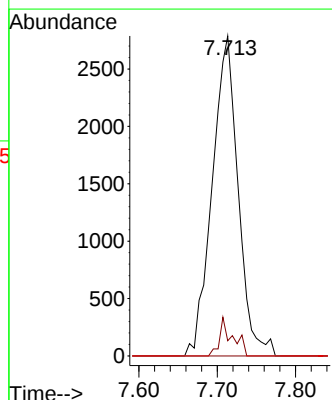
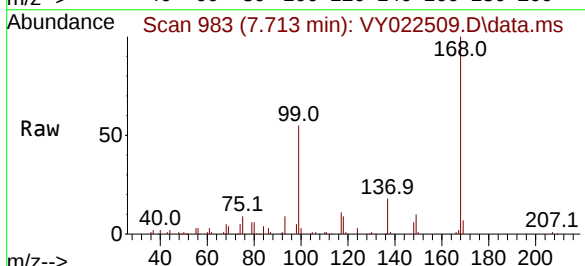
Tgt Ion: 117 Resp: 6422

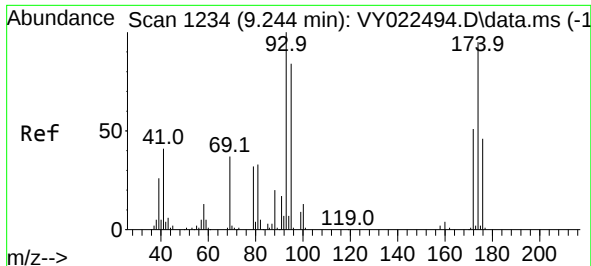
Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 5.051 ug/l

RT: 9.164 min Scan# 11

Delta R.T. -0.079 min

Lab File: VY022509.D

Acq: 02 Jun 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

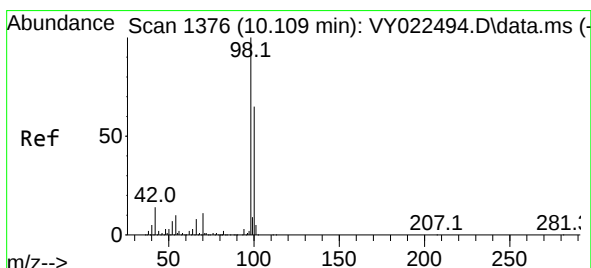
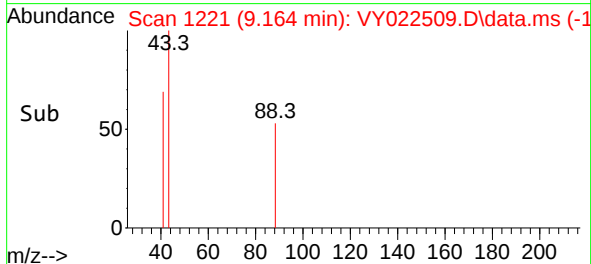
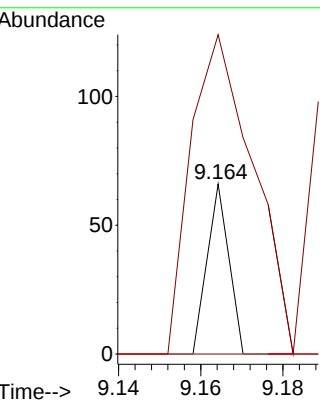
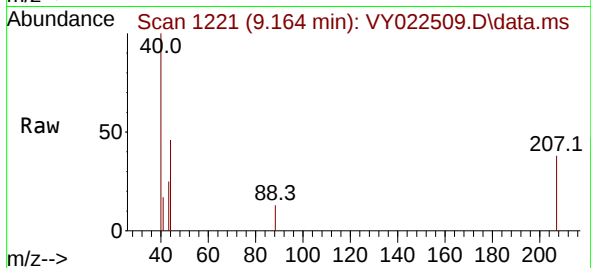
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 545.8 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 46.982 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022509.D

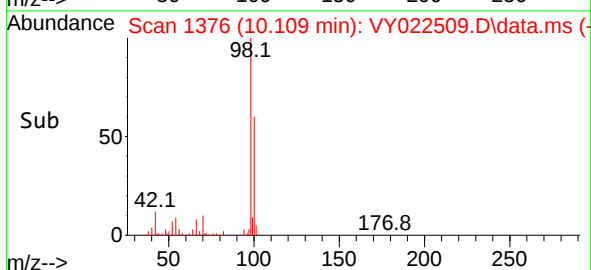
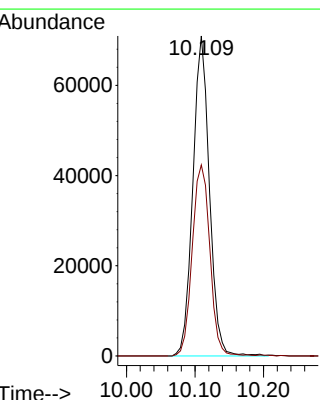
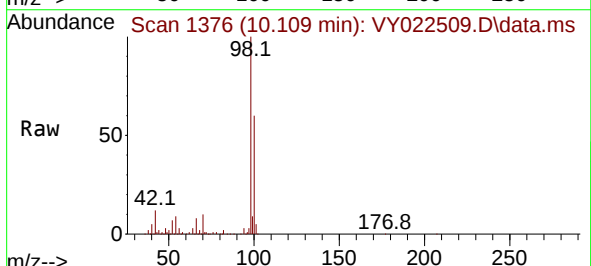
Acq: 02 Jun 2025 19:08

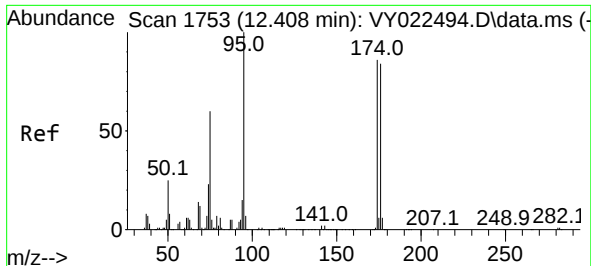
Tgt Ion: 98 Resp: 119467

Ion Ratio Lower Upper

98 100

100 63.5 51.4 77.0

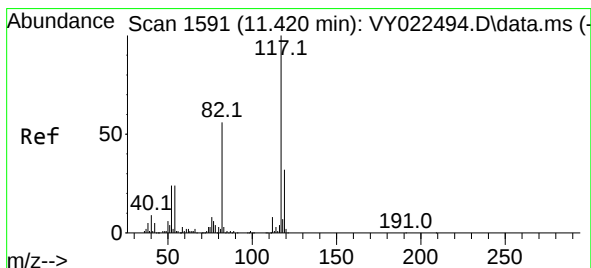
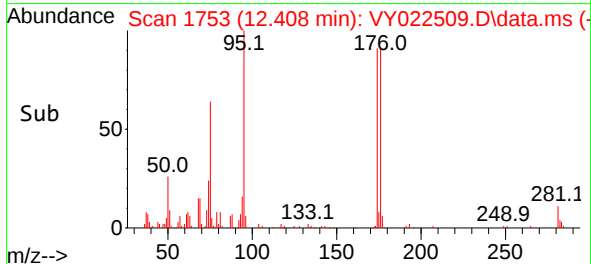
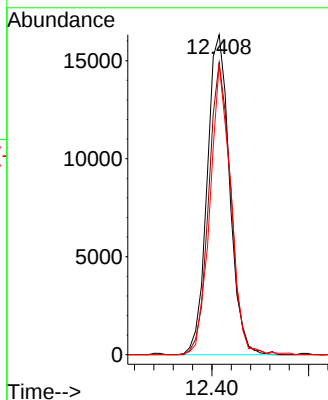
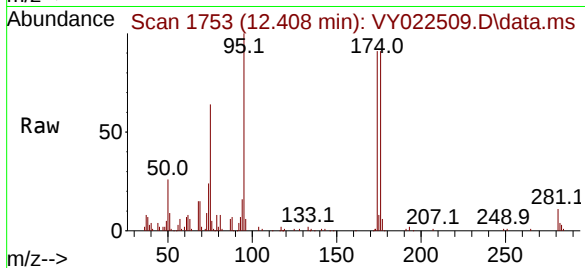




#62
4-Bromofluorobenzene
Concen: 34.755 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022509.D
Acq: 02 Jun 2025 19:08

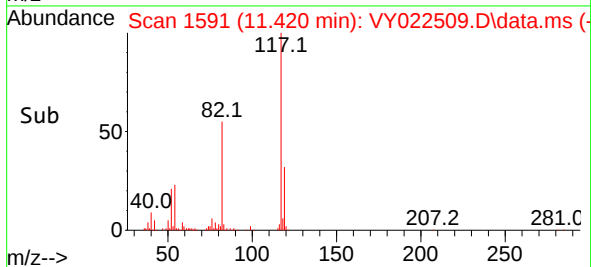
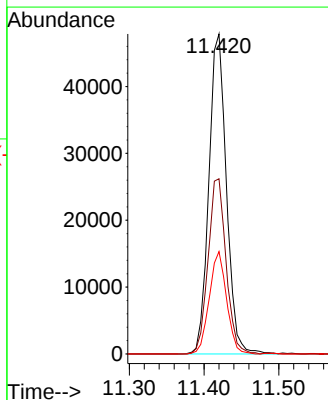
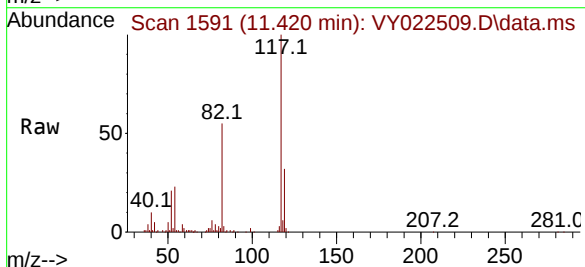
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

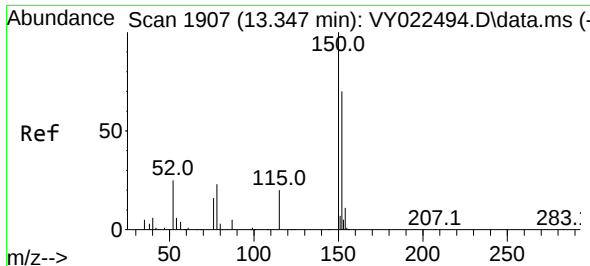
Tgt Ion: 95 Resp: 26331
Ion Ratio Lower Upper
95 100
174 89.2 0.0 170.0
176 84.4 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022509.D
Acq: 02 Jun 2025 19:08

Tgt Ion: 117 Resp: 78237
Ion Ratio Lower Upper
117 100
82 54.7 44.6 66.8
119 32.0 25.4 38.0

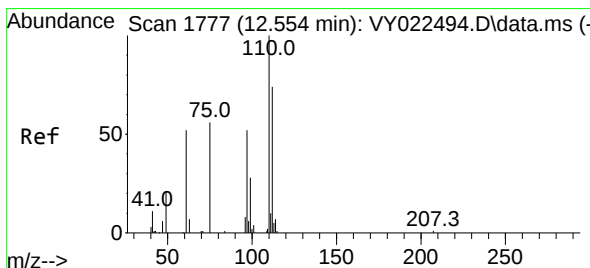
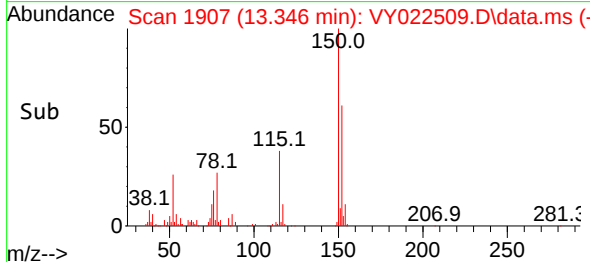
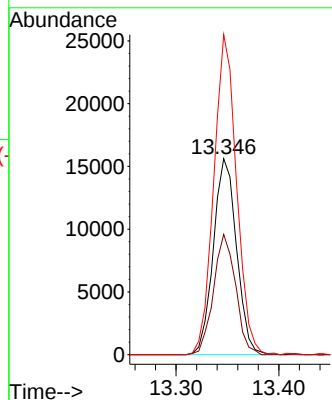
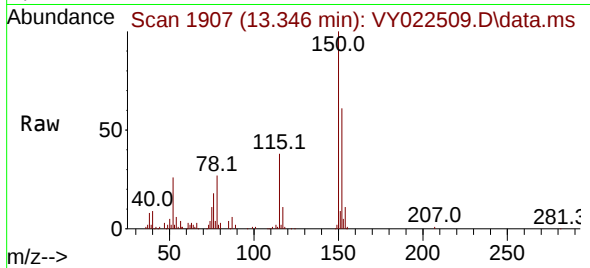




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022509.D
 Acq: 02 Jun 2025 19:08

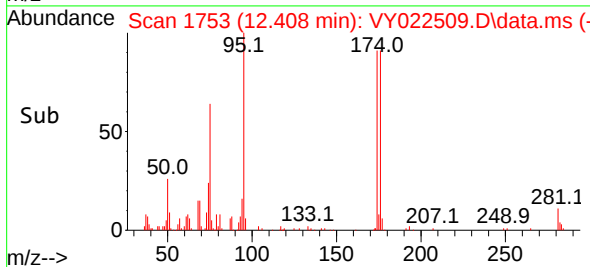
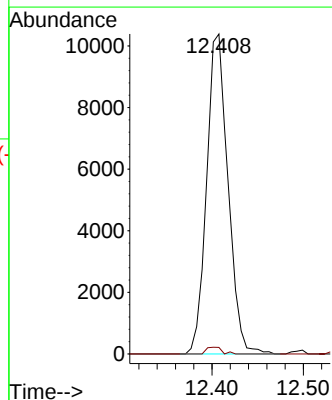
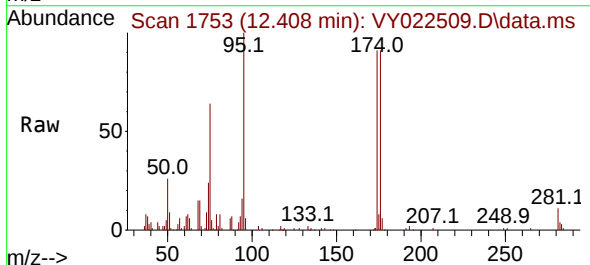
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

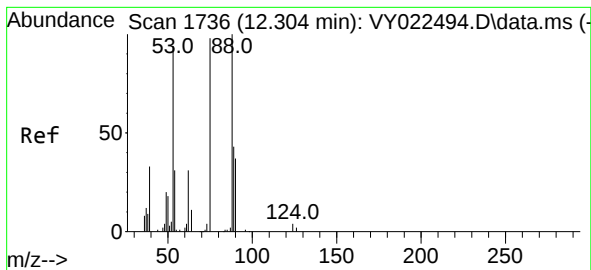
Tgt Ion:152 Resp: 24479
 Ion Ratio Lower Upper
 152 100
 115 58.5 28.9 86.7
 150 160.1 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 60.132 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.147 min
 Lab File: VY022509.D
 Acq: 02 Jun 2025 19:08

Tgt Ion: 75 Resp: 16840
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.216 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY022509.D
 Acq: 02 Jun 2025 19:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 16840
 Ion Ratio Lower Upper
 75 100
 53 0.4 78.5 117.7#
 89 0.3 35.7 53.5#

