

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022164.D
 Acq On : 05 May 2025 17:05
 Operator : SY/MD
 Sample : Q1956-06
 Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB91-3-4

Quant Time: May 06 05:23:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

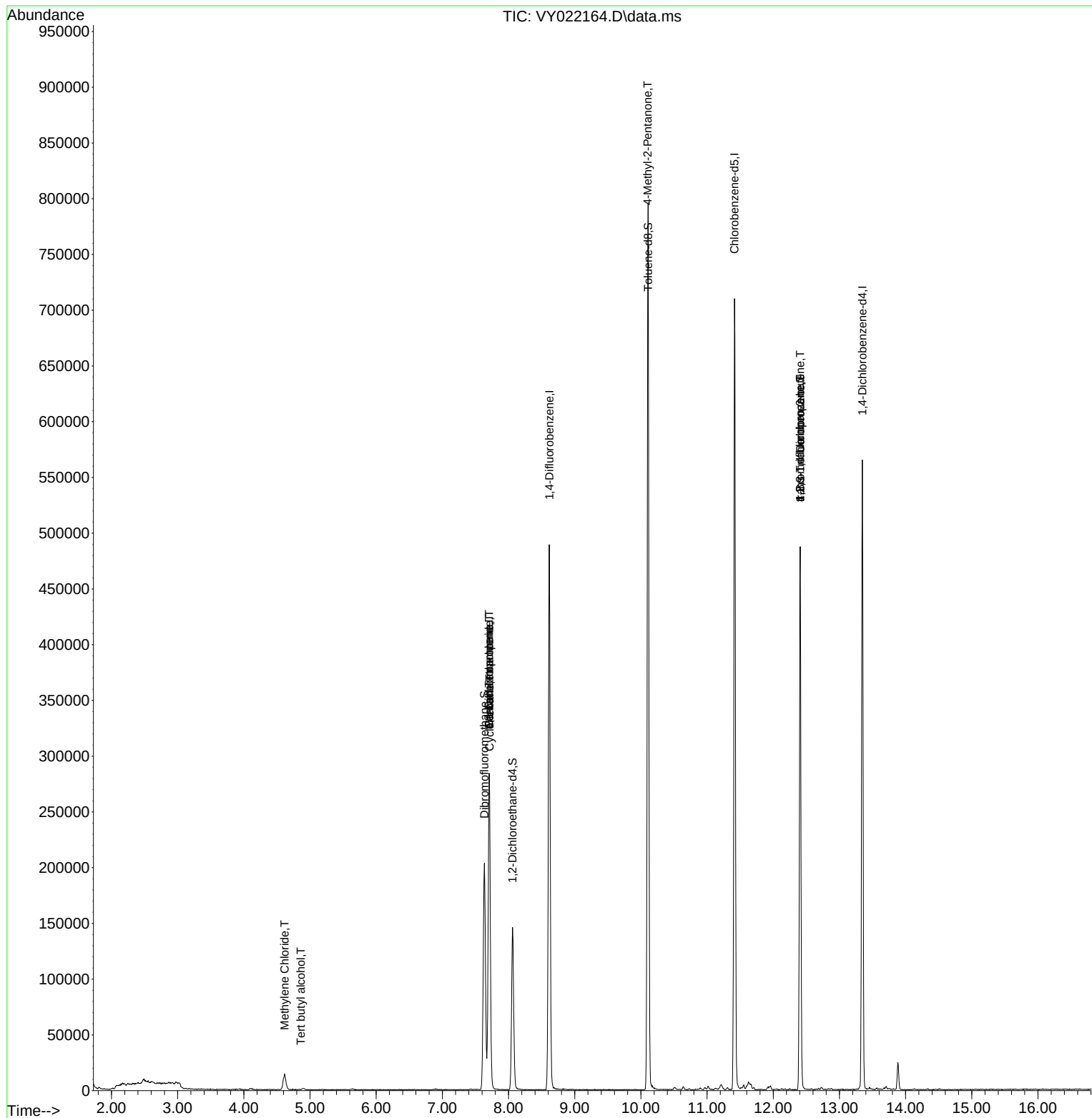
Internal Standards						
1) Pentafluorobenzene	7.707	168	214691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	422744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	385176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	143859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112650	56.806	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	113.620%	
35) Dibromofluoromethane	7.634	113	143007	51.204	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	102.400%	
50) Toluene-d8	10.109	98	519895	49.377	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	98.760%	
62) 4-Bromofluorobenzene	12.408	95	150082	42.342	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	84.680%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	401	3.683	ug/l #	70
16) Acetone	3.854	43	315	Below Cal	#	41
20) Methylene Chloride	4.616	84	10335	4.122	ug/l	98
31) Cyclohexane	7.713	56	4440	1.354	ug/l #	37
36) 1,1-Dichloropropene	7.707	75	16845	4.490	ug/l #	48
38) Carbon Tetrachloride	7.707	117	21251	4.740	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	1900	1.401	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	74813	60.714	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	74813	146.208	ug/l #	16

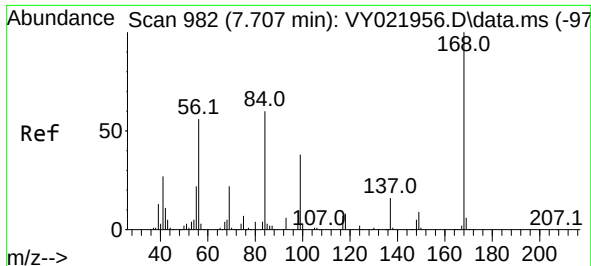
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

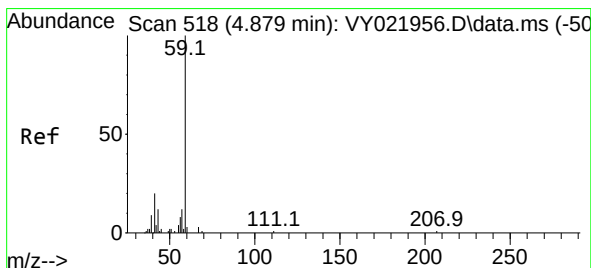
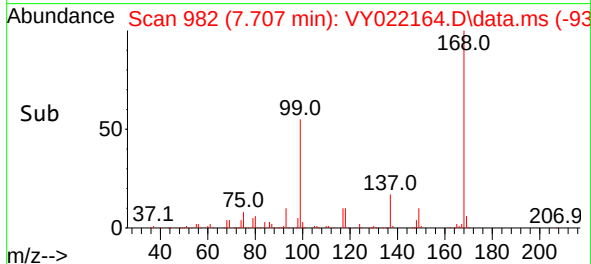
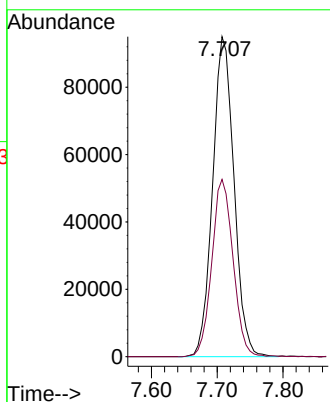
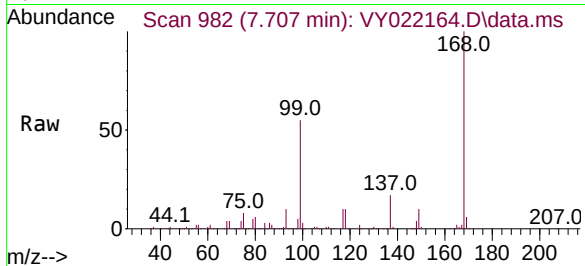




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

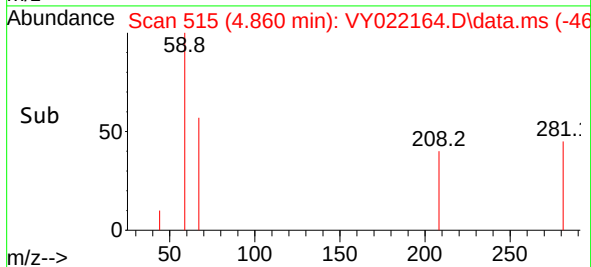
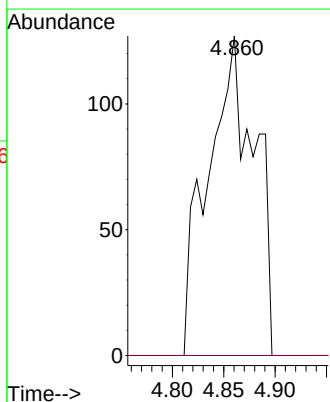
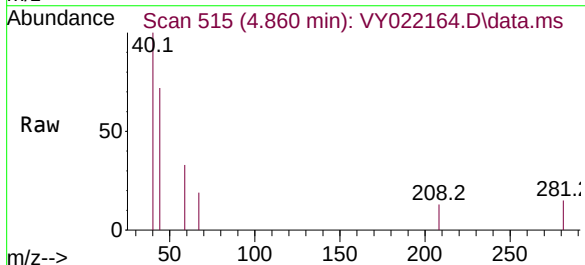
Instrument :
MSVOA_Y
ClientSampleId :
SB91-3-4

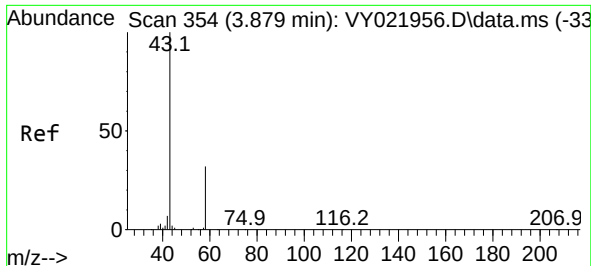
Tgt Ion:168 Resp: 214691
Ion Ratio Lower Upper
168 100
99 55.4 43.1 64.7



#11
Tert butyl alcohol
Concen: 3.683 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

Tgt Ion: 59 Resp: 401
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

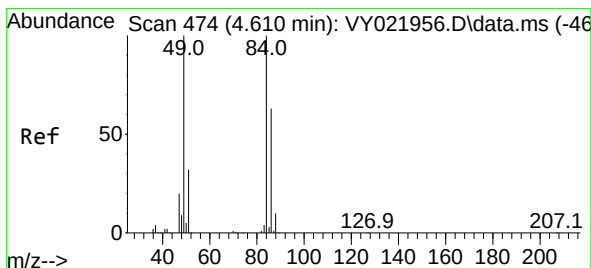
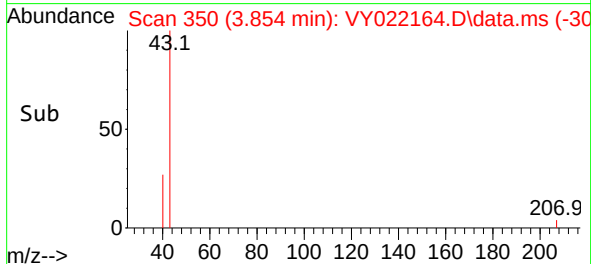
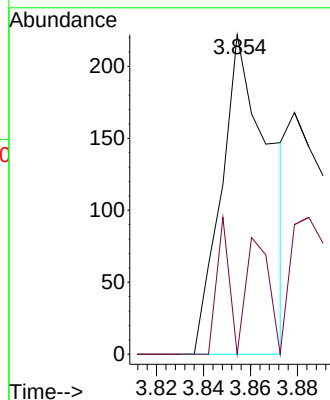
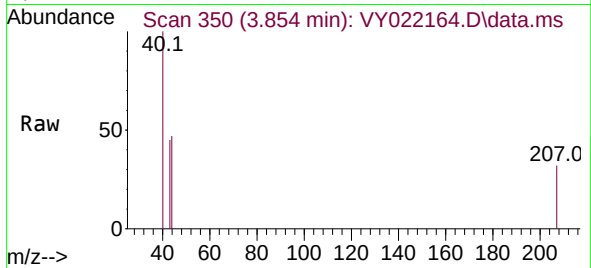




#16
Acetone
Concen: Below Cal
RT: 3.854 min Scan# 315
Delta R.T. -0.025 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

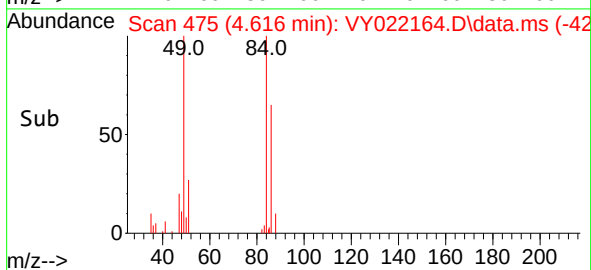
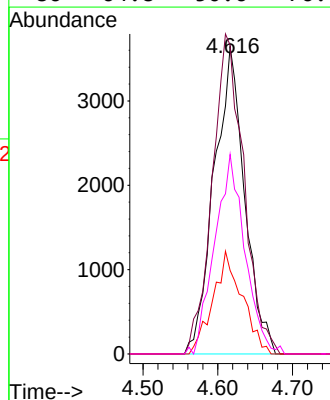
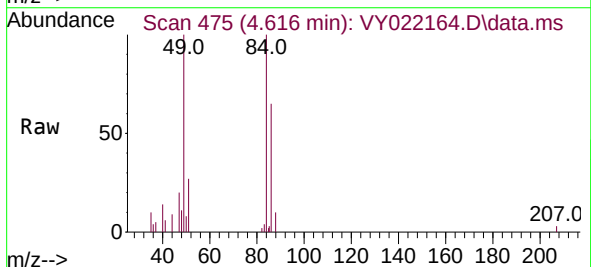
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ClientSampleId :
SB91-3-4

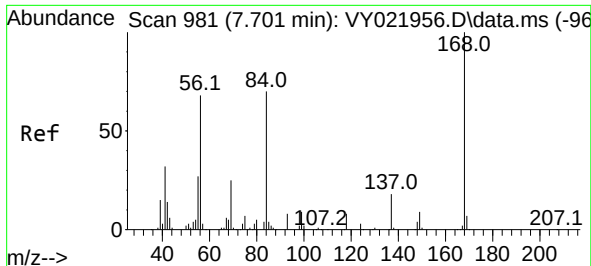
Tgt Ion: 43 Resp: 315
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



#20
Methylene Chloride
Concen: 4.122 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

Tgt Ion: 84 Resp: 10335
Ion Ratio Lower Upper
84 100
49 100.3 79.9 119.9
51 27.1 25.4 38.0
86 64.8 50.6 76.0

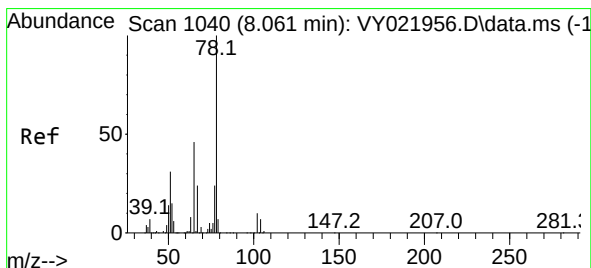
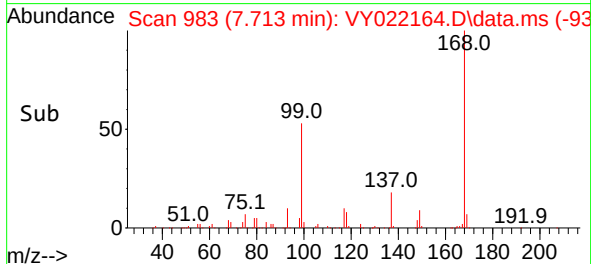
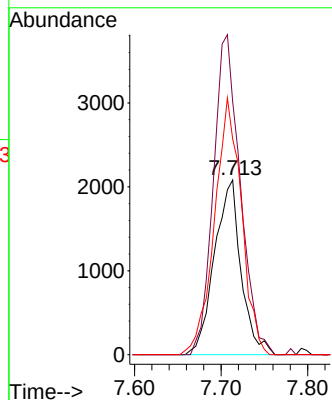
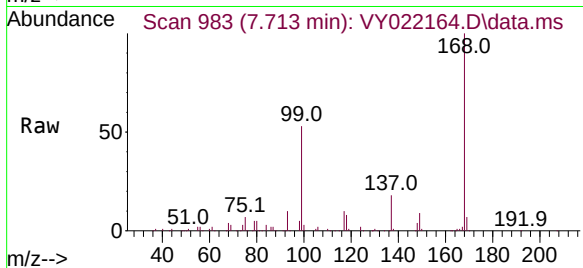




#31
Cyclohexane
Concen: 1.354 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

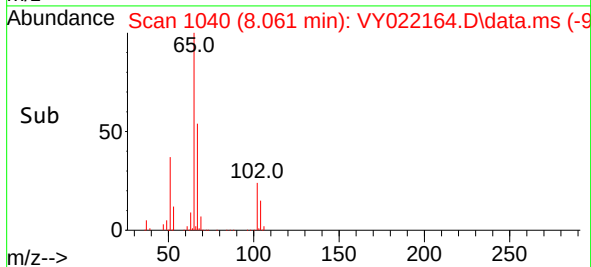
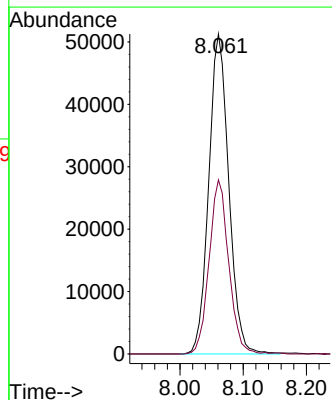
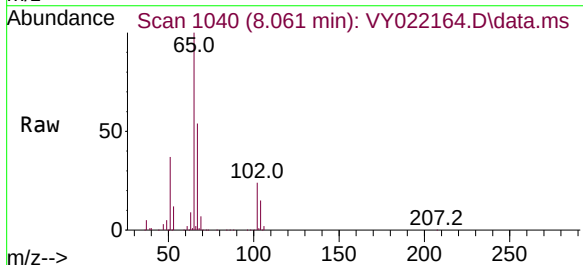
Instrument :
MSVOA_Y
ClientSampleId :
SB91-3-4

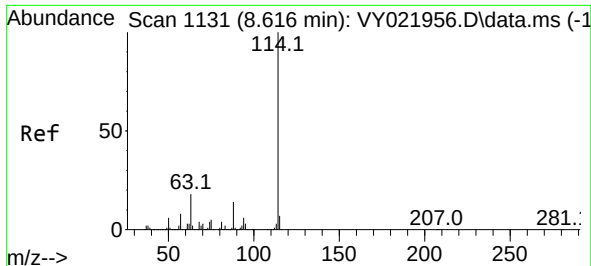
Tgt Ion: 56 Resp: 4440
Ion Ratio Lower Upper
56 100
69 144.8 29.4 44.2#
84 123.4 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 56.806 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

Tgt Ion: 65 Resp: 112650
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022164.D

Acq: 05 May 2025 17:05

Instrument :

MSVOA_Y

ClientSampleId :

SB91-3-4

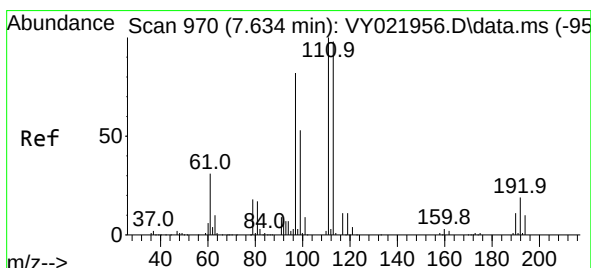
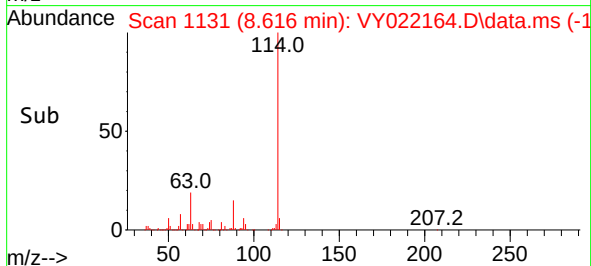
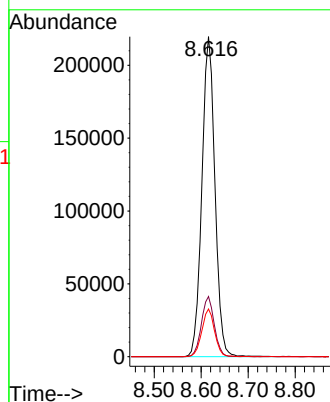
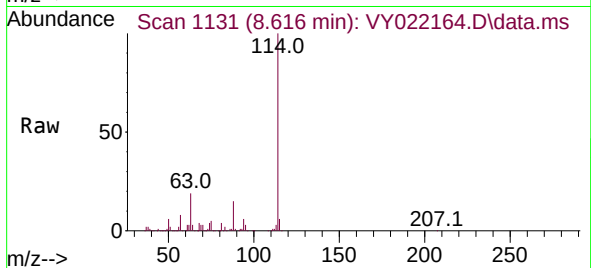
Tgt Ion:114 Resp: 422744

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.4

88 14.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.204 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022164.D

Acq: 05 May 2025 17:05

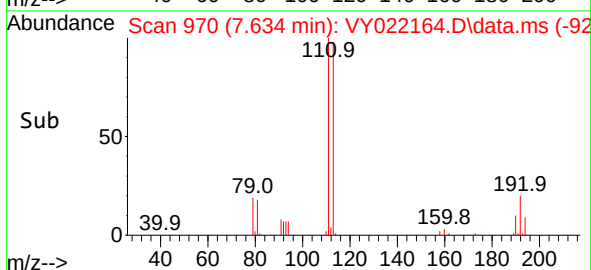
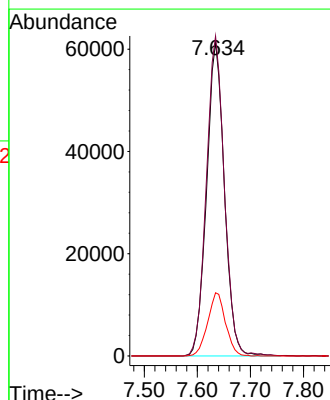
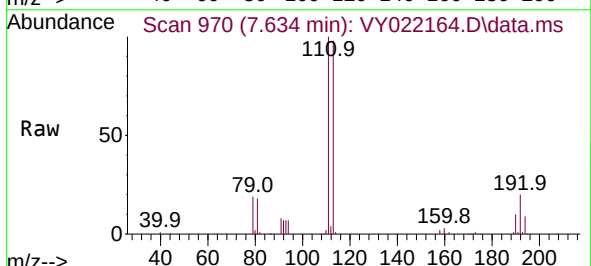
Tgt Ion:113 Resp: 143007

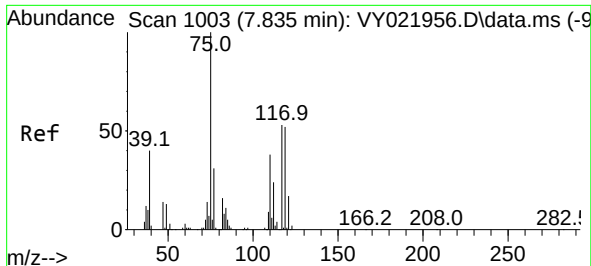
Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

192 20.2 15.6 23.4

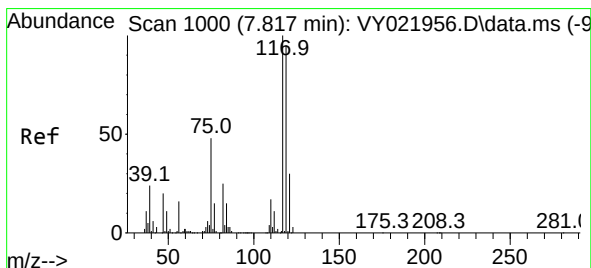
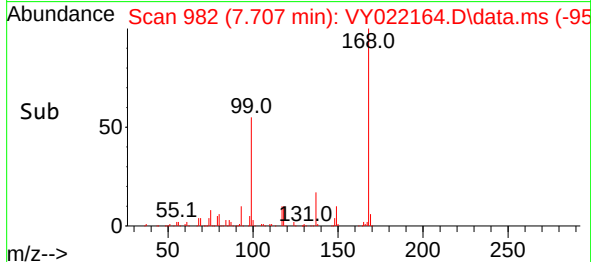
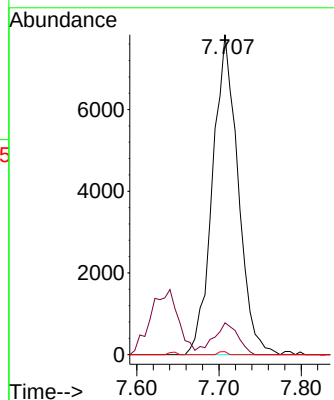
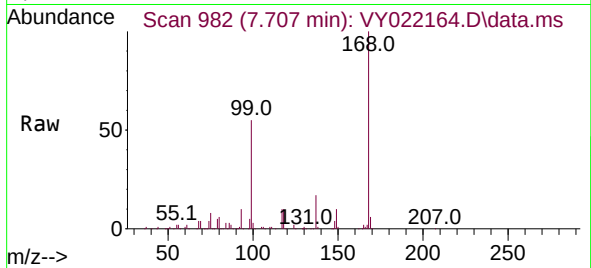




#36
 1,1-Dichloropropene
 Concen: 4.490 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY022164.D
 Acq: 05 May 2025 17:05

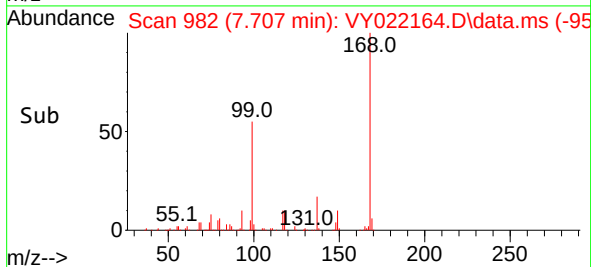
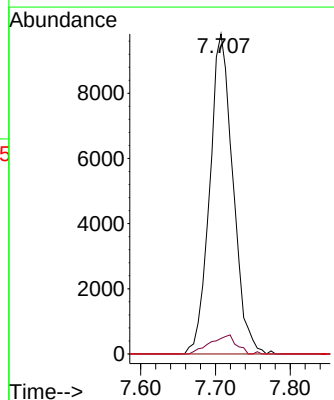
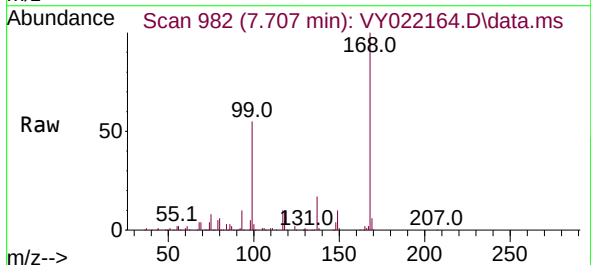
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB91-3-4

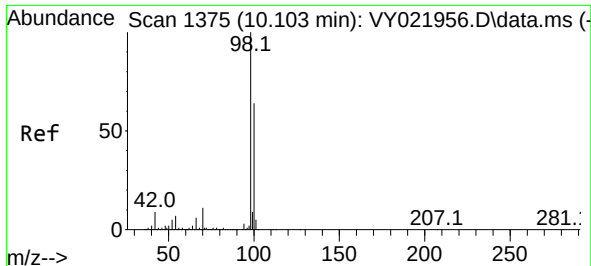
Tgt Ion: 75 Resp: 16845
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.1 57.3#
 77 0.3 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 4.740 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY022164.D
 Acq: 05 May 2025 17:05

Tgt Ion: 117 Resp: 21251
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.2 114.4#
 121 0.0 24.0 36.0#

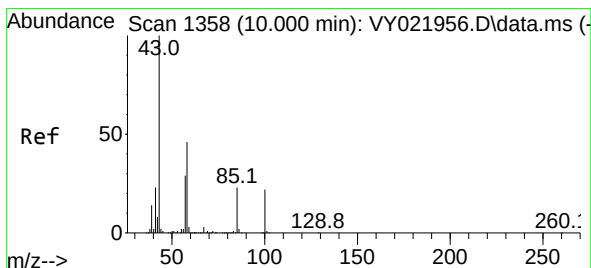
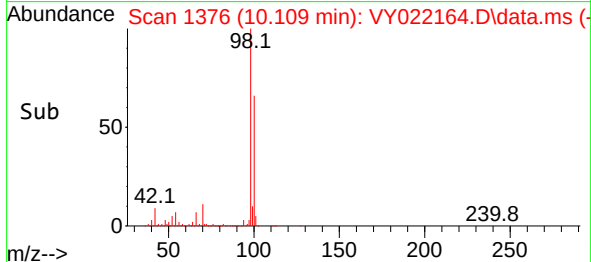
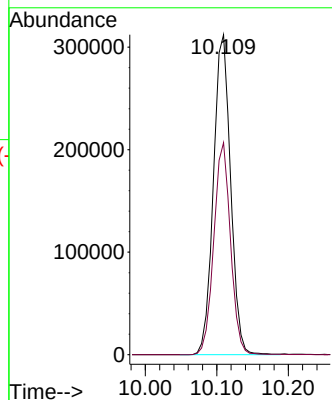
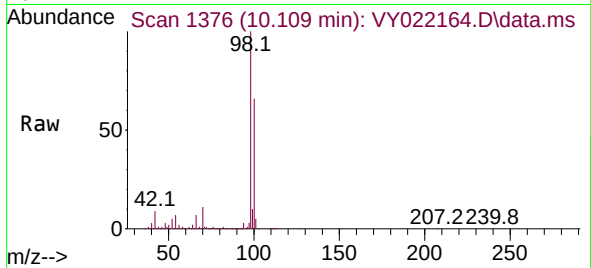




#50
Toluene-d8
Concen: 49.377 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

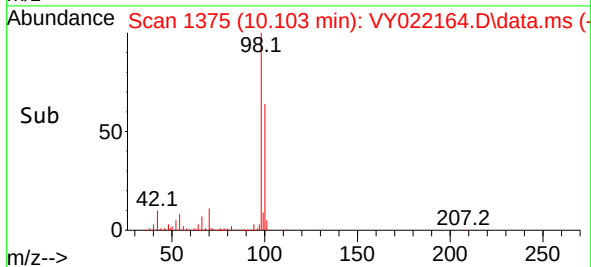
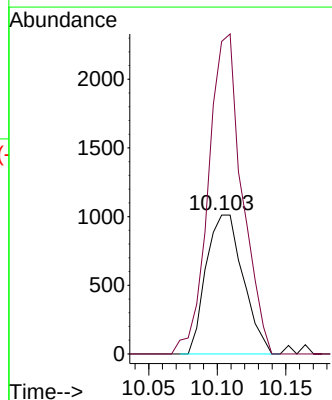
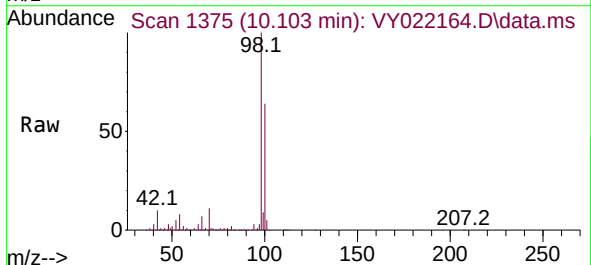
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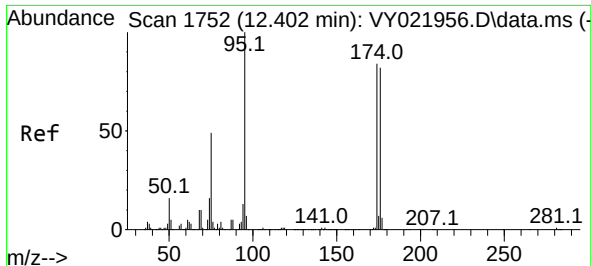
Tgt Ion: 98 Resp: 519895
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.401 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

Tgt Ion: 43 Resp: 1900
Ion Ratio Lower Upper
43 100
58 209.9 36.6 55.0#

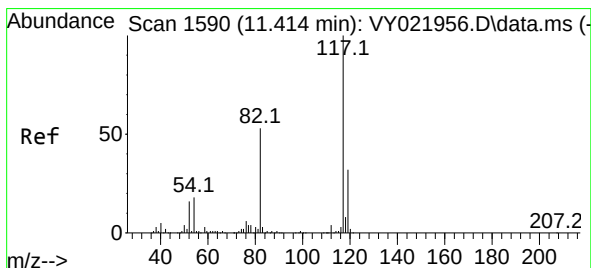
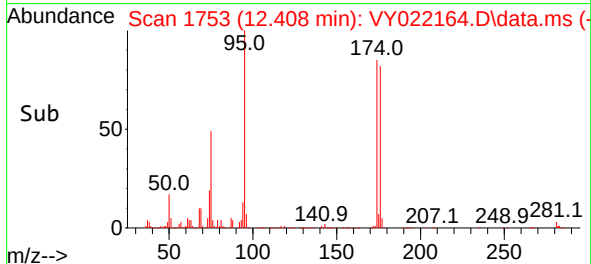
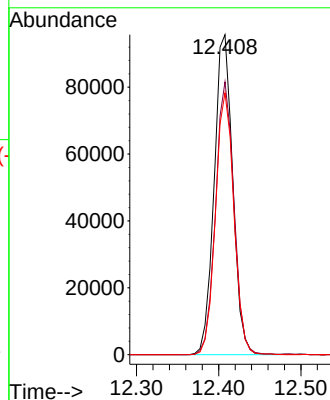
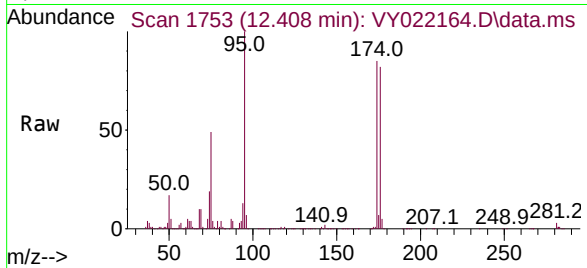




#62
4-Bromofluorobenzene
Concen: 42.342 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

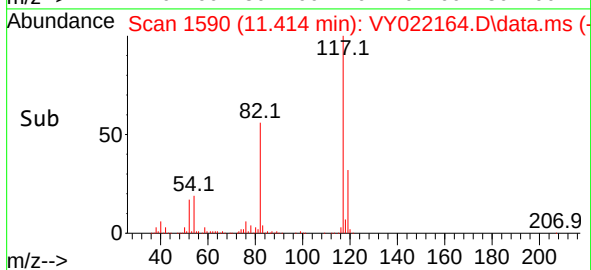
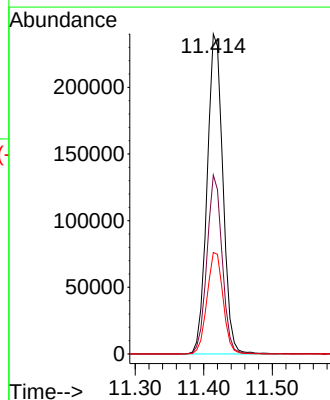
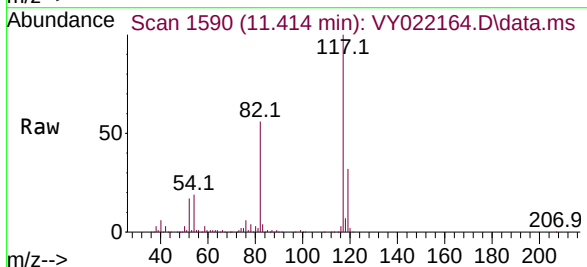
Instrument :
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ClientSampleId :
SB91-3-4

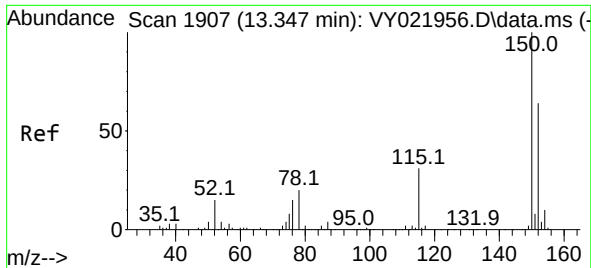
Tgt Ion: 95 Resp: 150082
Ion Ratio Lower Upper
95 100
174 84.4 0.0 179.0
176 81.0 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022164.D
Acq: 05 May 2025 17:05

Tgt Ion: 117 Resp: 385176
Ion Ratio Lower Upper
117 100
82 55.9 42.1 63.1
119 31.7 25.7 38.5

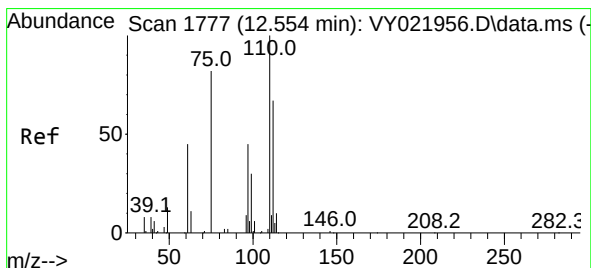
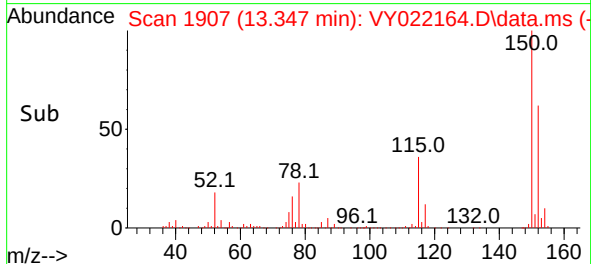
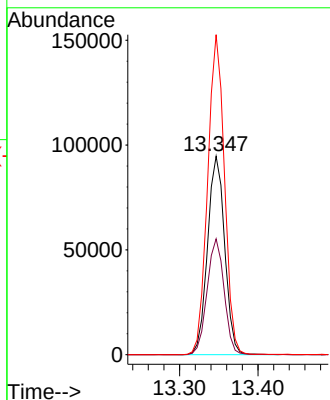
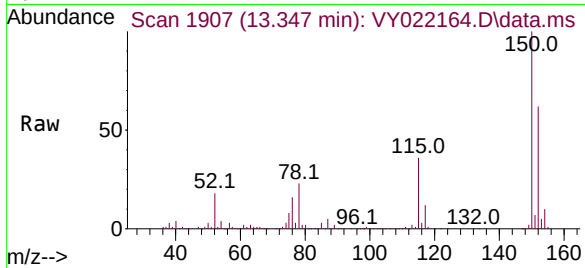




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022164.D
 Acq: 05 May 2025 17:05

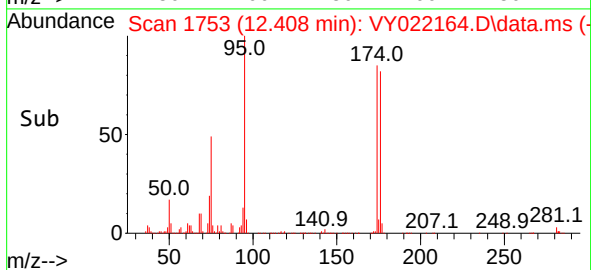
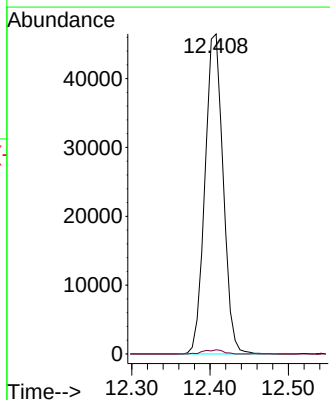
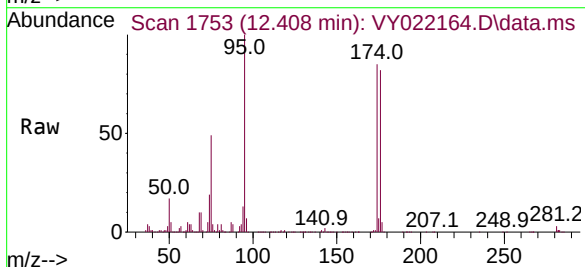
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB91-3-4

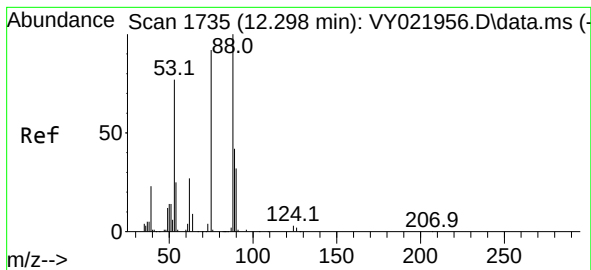
Tgt Ion:152 Resp: 143859
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.0 84.0
 150 157.9 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 60.714 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022164.D
 Acq: 05 May 2025 17:05

Tgt Ion: 75 Resp: 74813
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.208 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022164.D
 Acq: 05 May 2025 17:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB91-3-4

Tgt Ion: 75 Resp: 74813
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.0 99.0#
 89 0.0 37.2 55.8#

