

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022297.D
 Acq On : 16 May 2025 17:35
 Operator : SY/MD
 Sample : Q2032-08
 Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-32

Quant Time: May 17 01:37:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

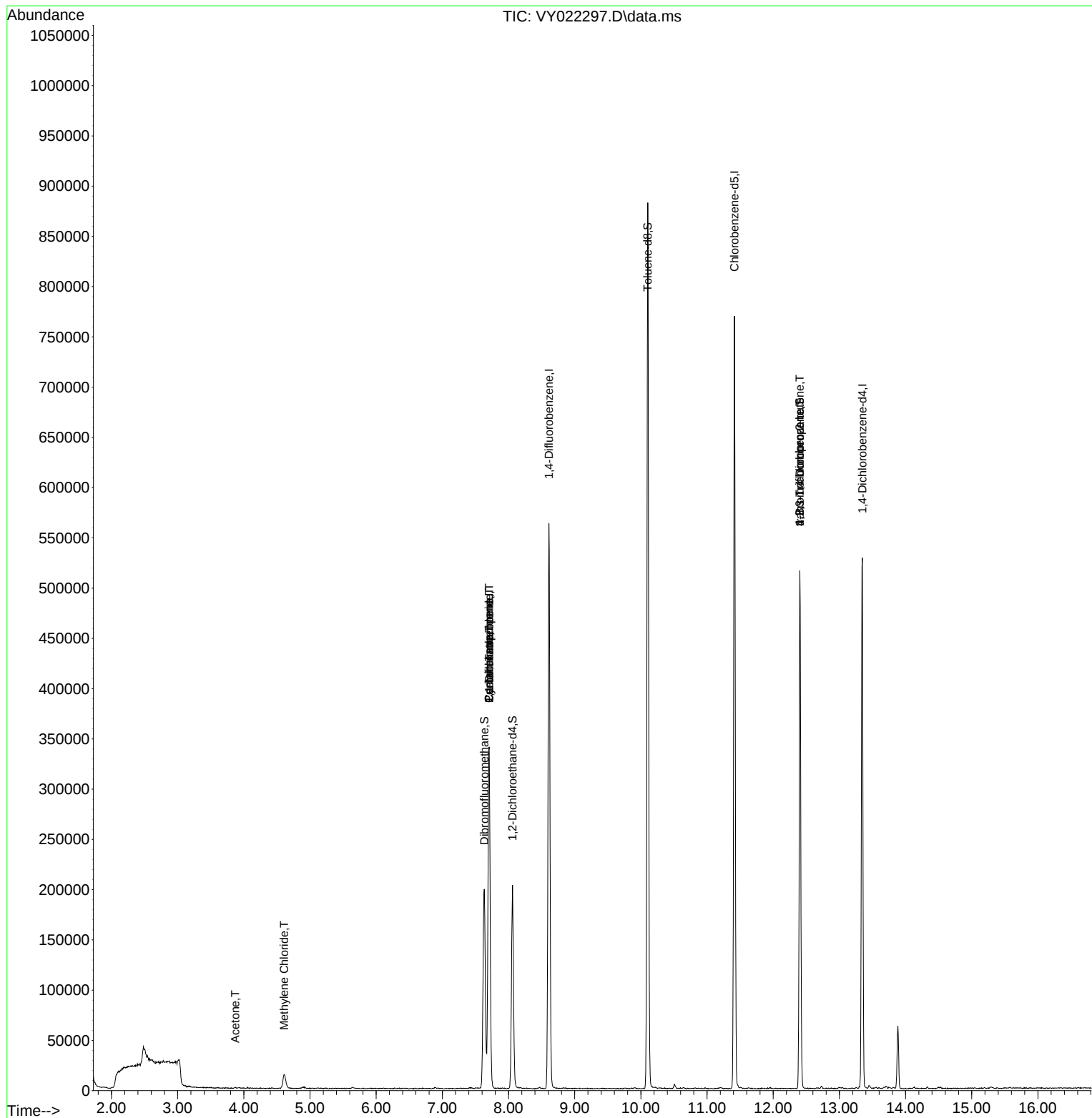
Internal Standards						
1) Pentafluorobenzene	7.707	168	262305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	463101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	367604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	125957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	140017	48.842	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.680%		
35) Dibromofluoromethane	7.634	113	137514	49.751	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.500%		
50) Toluene-d8	10.103	98	552649	48.819	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.640%		
62) 4-Bromofluorobenzene	12.402	95	139275	38.815	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	77.640%		
Target Compounds					Qvalue	
16) Acetone	3.873	43	955	1.777	ug/l #	75
20) Methylene Chloride	4.610	84	9798	2.821	ug/l	83
31) Cyclohexane	7.707	56	7438	1.283	ug/l #	26
36) 1,1-Dichloropropene	7.707	75	23517	5.165	ug/l #	51
38) Carbon Tetrachloride	7.707	117	26526	5.629	ug/l #	18
76) 1,2,3-Trichloropropane	12.402	75	81719	64.039	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	81719	129.727	ug/l #	12

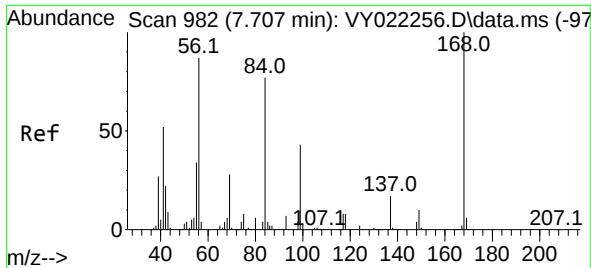
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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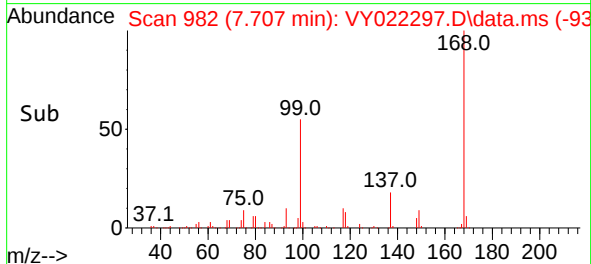
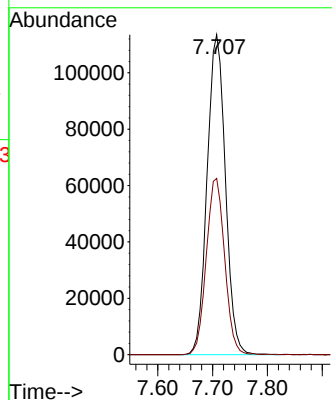
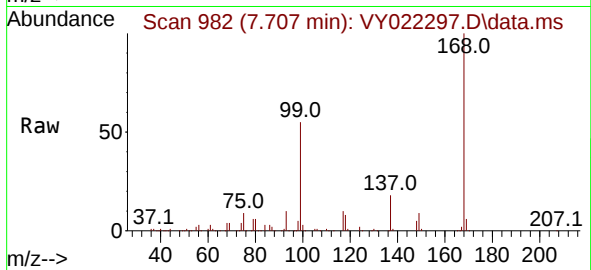




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022297.D
Acq: 16 May 2025 17:35

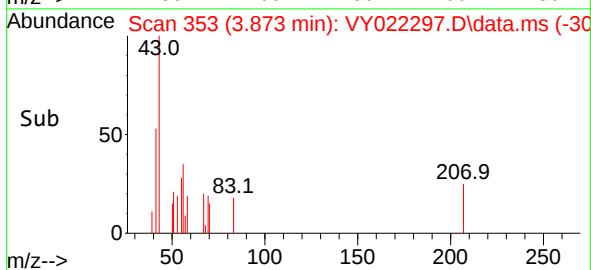
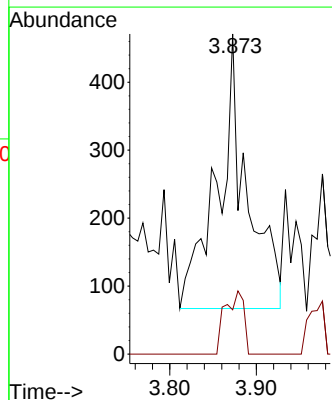
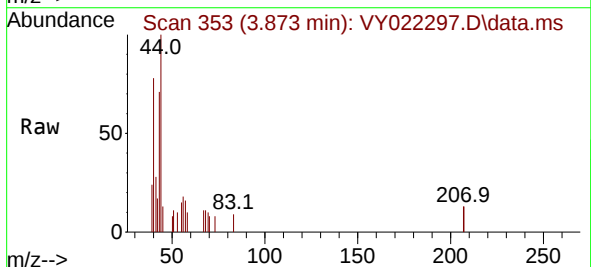
Instrument :
MSVOA_Y
ClientSampleId :
TP-32

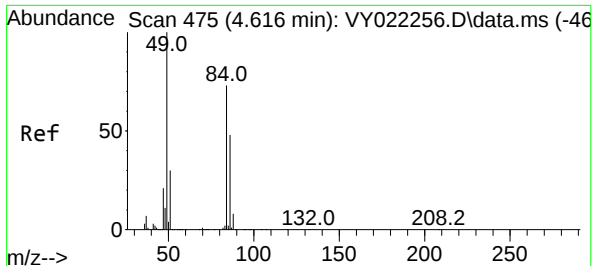
Tgt Ion:168 Resp: 262305
Ion Ratio Lower Upper
168 100
99 55.1 44.2 66.4



#16
Acetone
Concen: 1.777 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022297.D
Acq: 16 May 2025 17:35

Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
58 16.1 23.6 35.4#

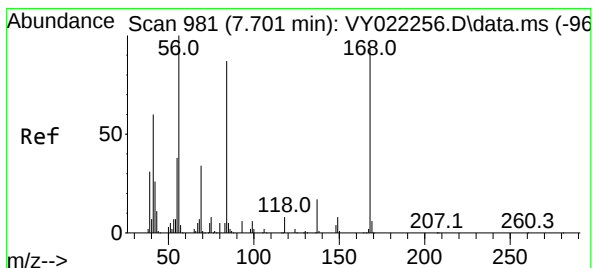
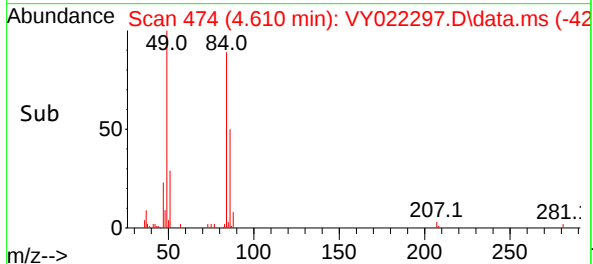
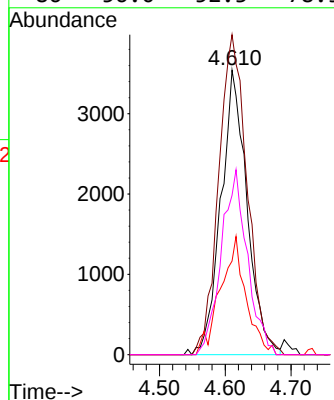
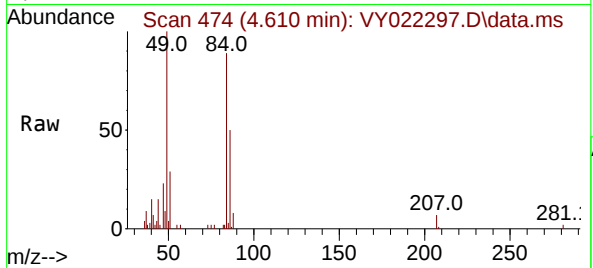




#20
Methylene Chloride
Concen: 2.821 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022297.D
Acq: 16 May 2025 17:35

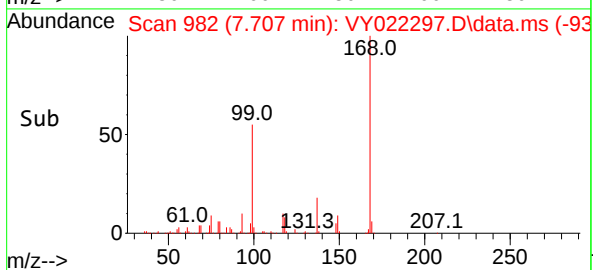
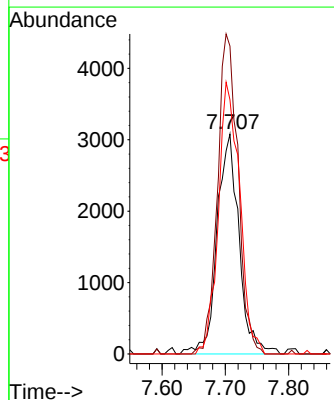
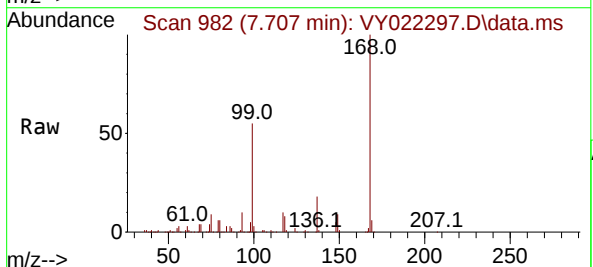
Instrument :
MSVOA_Y
ClientSampleId :
TP-32

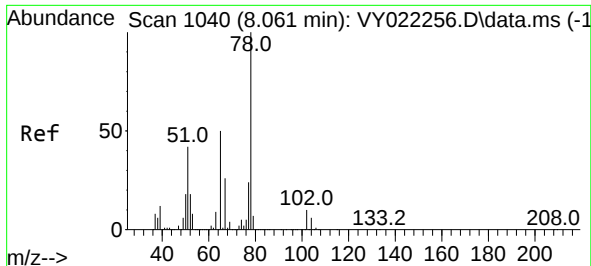
Tgt Ion:	84	Resp:	9798
Ion	Ratio	Lower	Upper
84	100		
49	112.5	109.6	164.4
51	32.9	32.4	48.6
86	56.0	52.3	78.5



#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022297.D
Acq: 16 May 2025 17:35

Tgt Ion:	56	Resp:	7438
Ion	Ratio	Lower	Upper
56	100		
69	140.0	27.4	41.2#
84	115.6	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 48.842 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY022297.D

Acq: 16 May 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

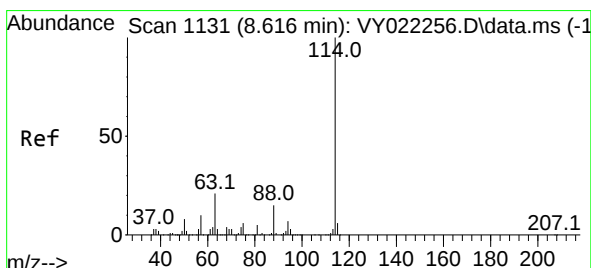
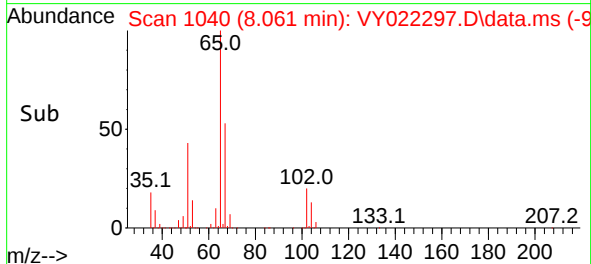
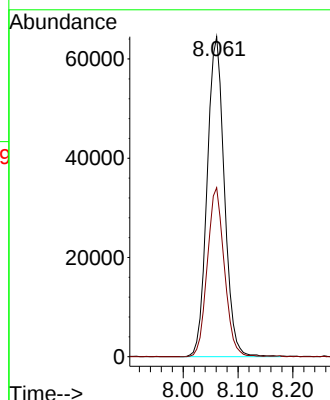
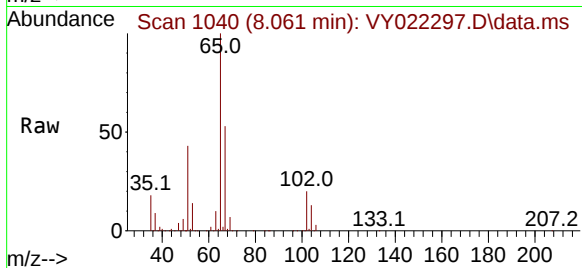
TP-32

Tgt Ion: 65 Resp: 140017

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022297.D

Acq: 16 May 2025 17:35

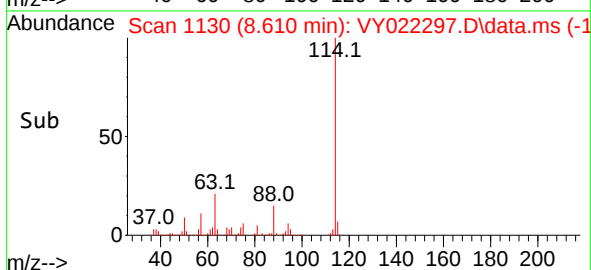
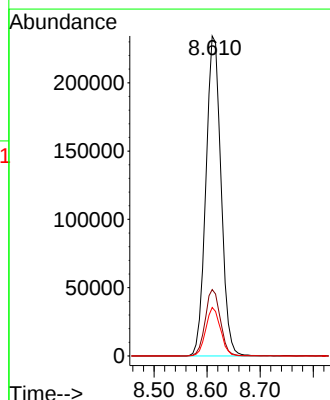
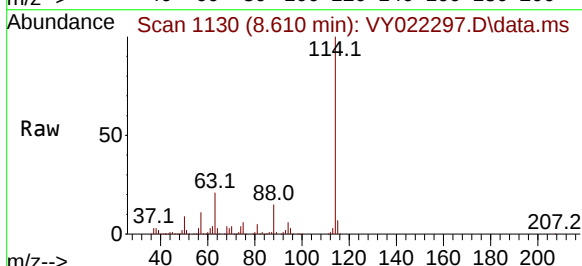
Tgt Ion: 114 Resp: 463101

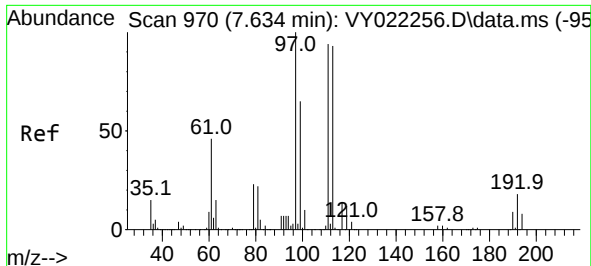
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.0

88 15.1 0.0 29.4



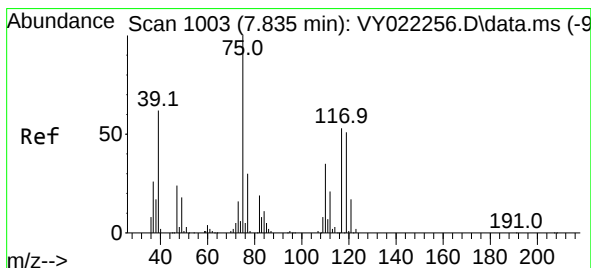
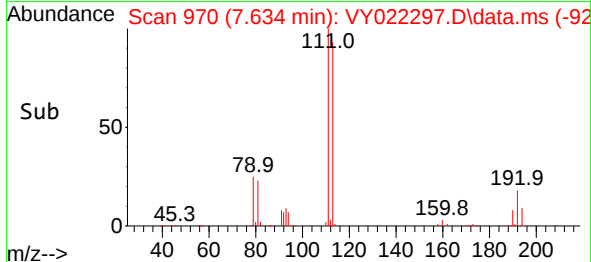
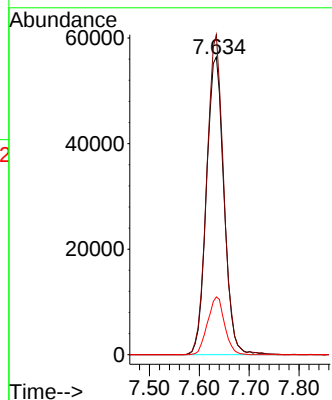
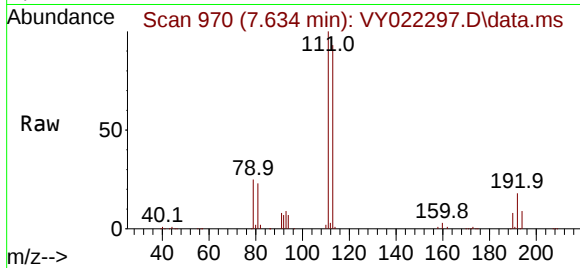


#35
 Dibromofluoromethane
 Concen: 49.751 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY022297.D
 Acq: 16 May 2025 17:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-32

Tgt Ion:113 Resp: 137514

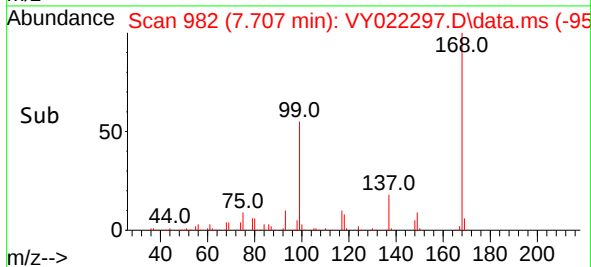
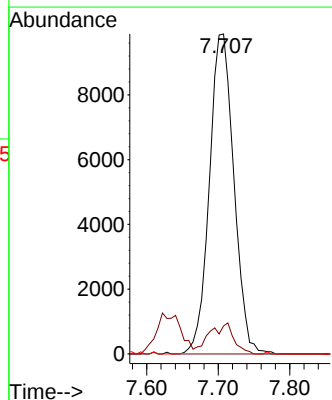
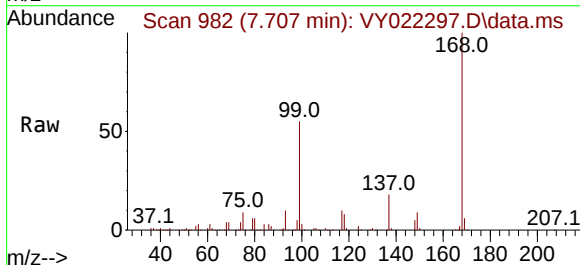
Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.6	123.8
192	18.8	15.2	22.8

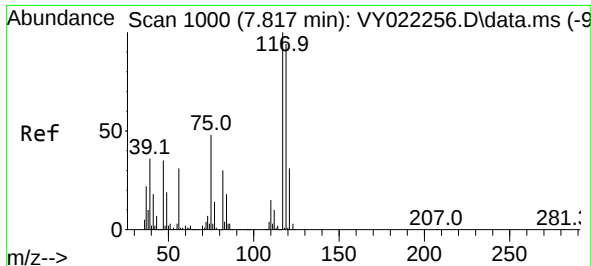


#36
 1,1-Dichloropropene
 Concen: 5.165 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY022297.D
 Acq: 16 May 2025 17:35

Tgt Ion: 75 Resp: 23517

Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.6	49.8#
77	0.0	24.6	37.0#

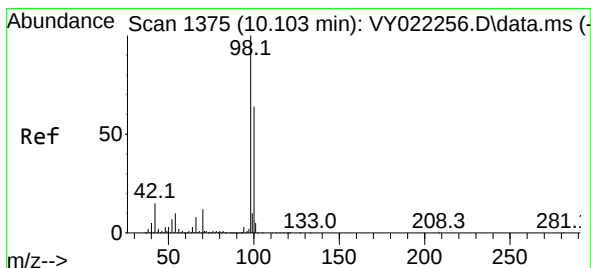
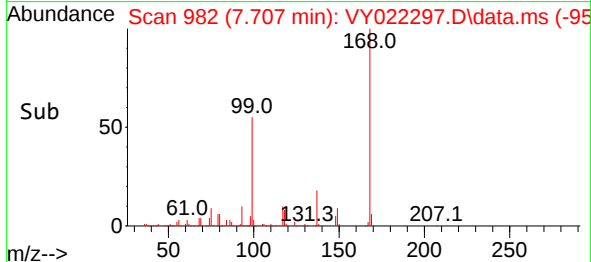
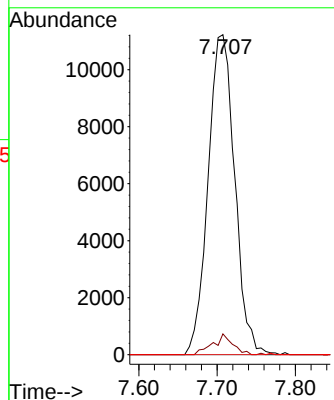
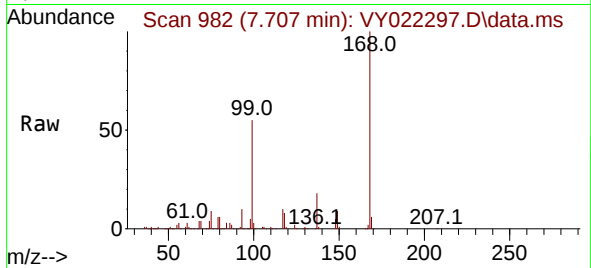




#38
Carbon Tetrachloride
Concen: 5.629 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022297.D
Acq: 16 May 2025 17:35

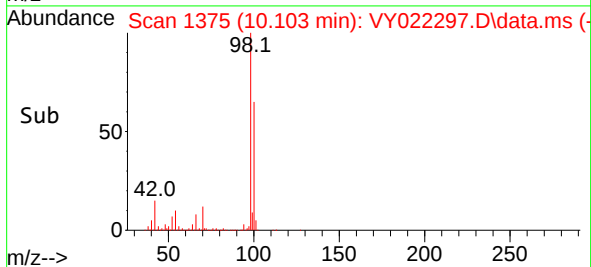
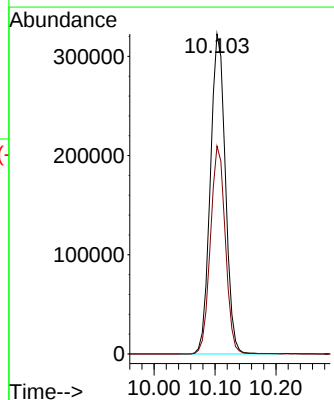
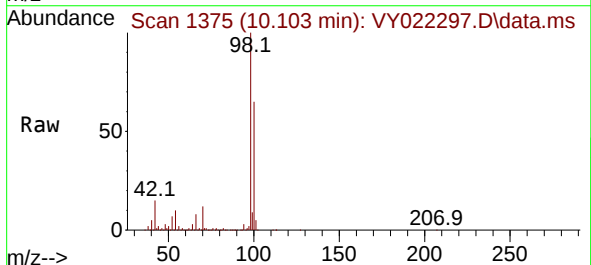
Instrument :
MSVOA_Y
ClientSampleId :
TP-32

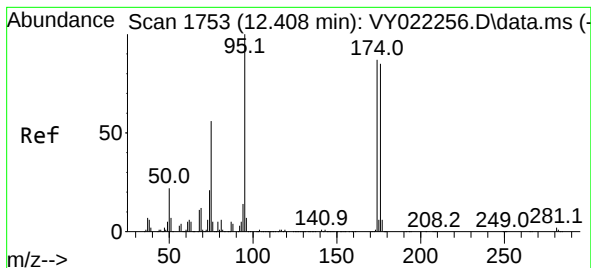
Tgt Ion:117 Resp: 26526
Ion Ratio Lower Upper
117 100
119 6.5 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.819 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022297.D
Acq: 16 May 2025 17:35

Tgt Ion: 98 Resp: 552649
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8

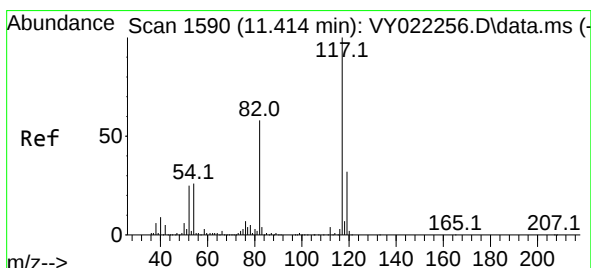
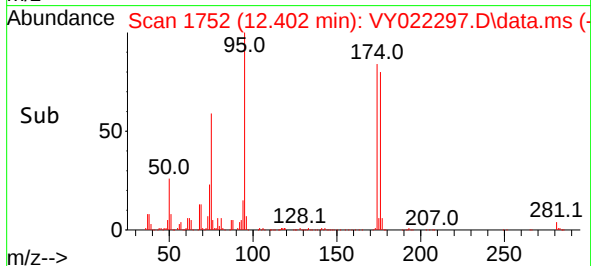
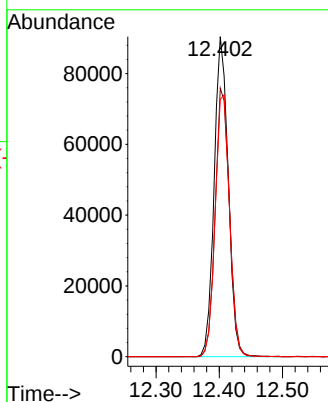
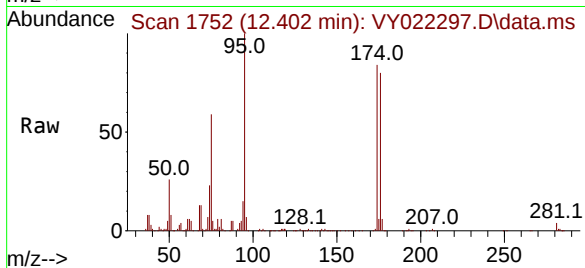




#62
4-Bromofluorobenzene
Concen: 38.815 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022297.D
Acq: 16 May 2025 17:35

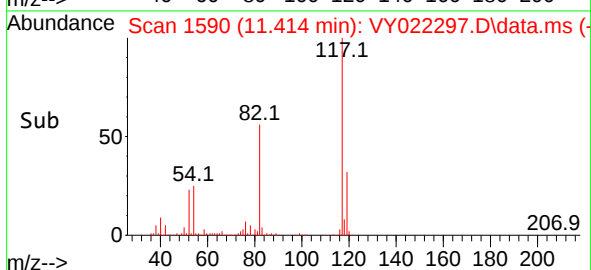
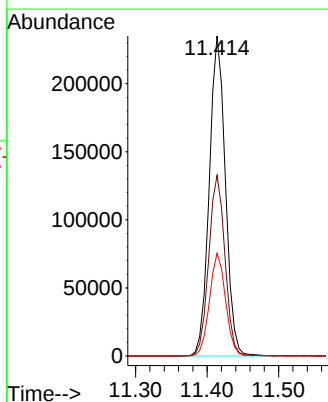
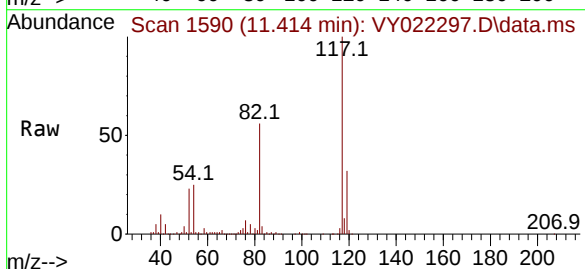
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TP-32

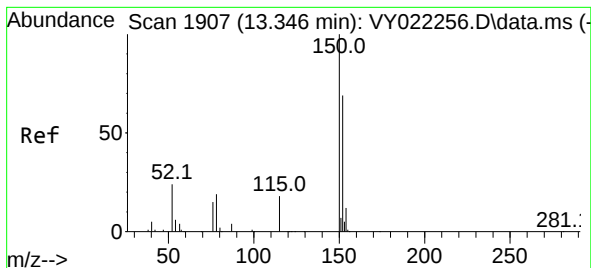
Tgt Ion: 95 Resp: 139275
Ion Ratio Lower Upper
95 100
174 84.8 0.0 166.8
176 83.4 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022297.D
Acq: 16 May 2025 17:35

Tgt Ion: 117 Resp: 367604
Ion Ratio Lower Upper
117 100
82 56.5 46.6 70.0
119 32.1 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022297.D

Acq: 16 May 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-32

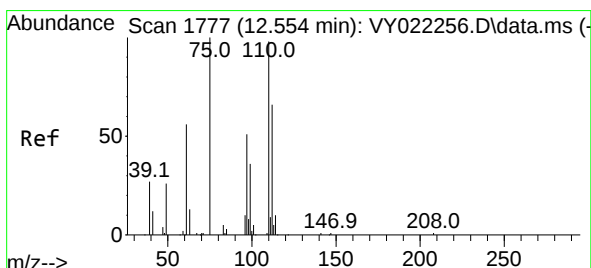
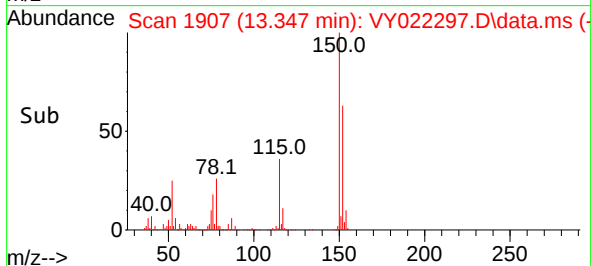
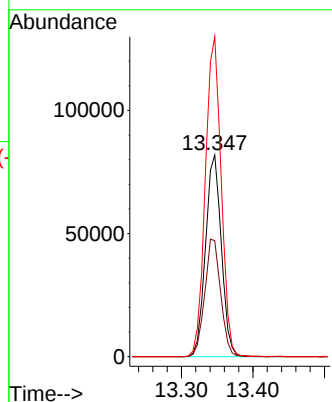
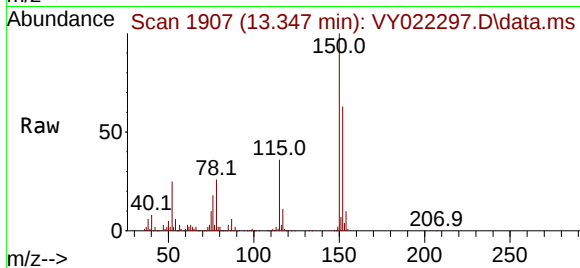
Tgt Ion:152 Resp: 125957

Ion Ratio Lower Upper

152 100

115 58.7 29.4 88.2

150 158.9 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 64.039 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022297.D

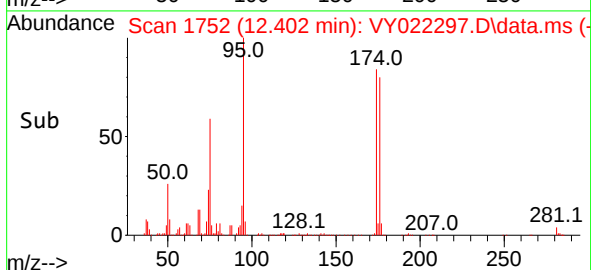
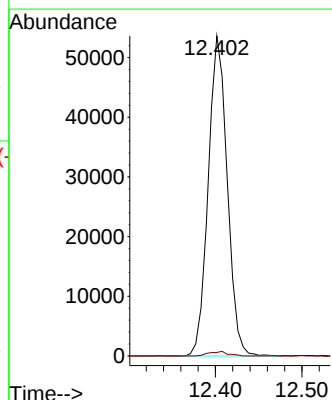
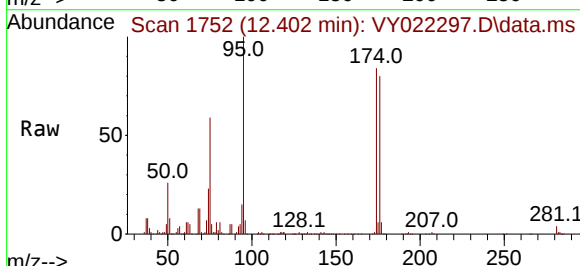
Acq: 16 May 2025 17:35

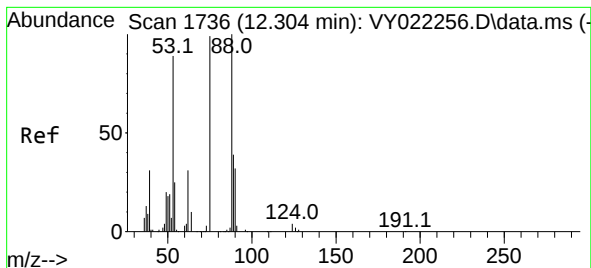
Tgt Ion: 75 Resp: 81719

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.727 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022297.D
 Acq: 16 May 2025 17:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-32

Tgt Ion: 75 Resp: 81719
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.8 113.8#
 89 0.1 36.2 54.2#

