

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022400.D
 Acq On : 22 May 2025 16:53
 Operator : SY/MD
 Sample : Q2100-04
 Misc : 6.98g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-45

Quant Time: May 23 03:40:14 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)

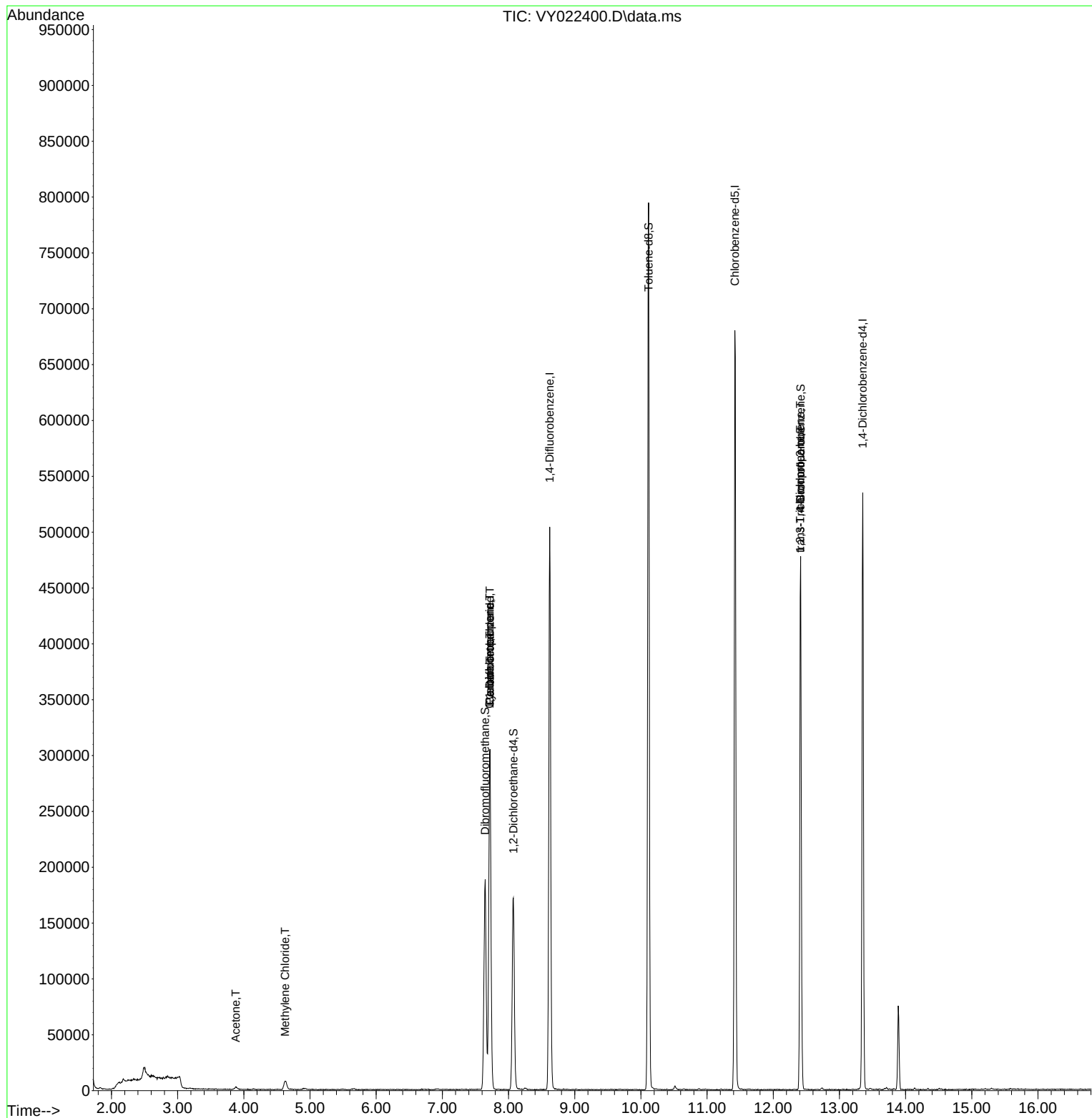
Internal Standards						
1) Pentafluorobenzene	7.719	168	236218	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	418190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	340404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	124499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	130358	50.494	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.980%	
35) Dibromofluoromethane	7.646	113	128569	51.510	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.020%	
50) Toluene-d8	10.115	98	498238	48.739	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.480%	
62) 4-Bromofluorobenzene	12.414	95	128731	39.729	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.460%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	4065	8.397	ug/l	96
20) Methylene Chloride	4.622	84	5698	1.822	ug/l	87
31) Cyclohexane	7.713	56	6333	1.213	ug/l #	4
36) 1,1-Dichloropropene	7.713	75	20237	4.922	ug/l #	51
38) Carbon Tetrachloride	7.719	117	23053	5.417	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	75375	59.760	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	75375	121.058	ug/l #	12

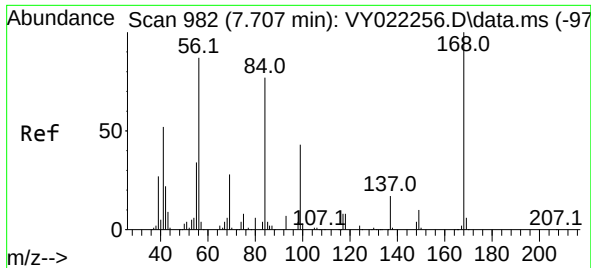
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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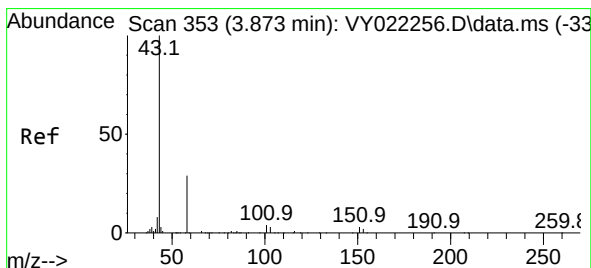
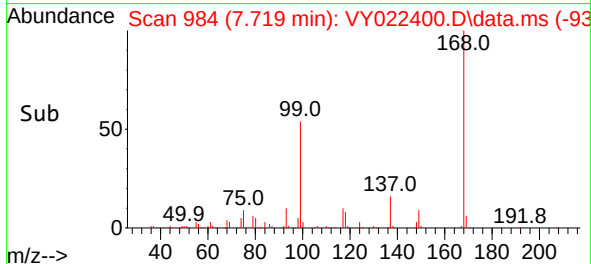
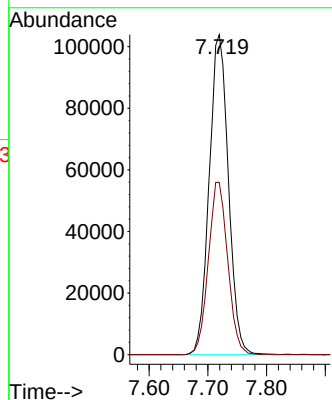
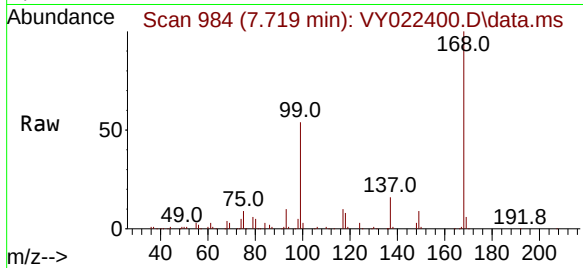




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022400.D
Acq: 22 May 2025 16:53

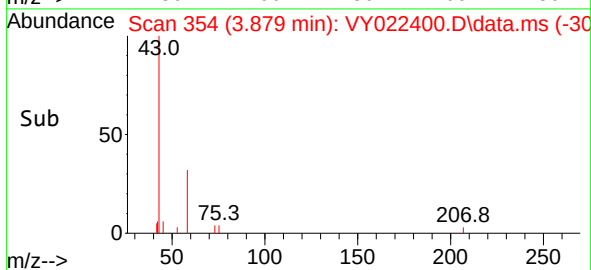
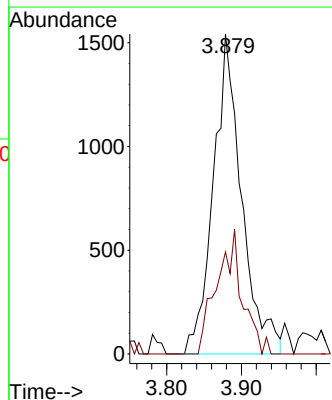
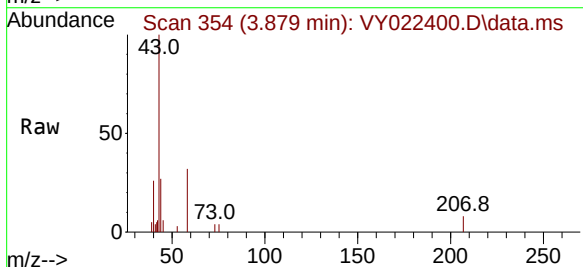
Instrument :
MSVOA_Y
ClientSampleId :
TP-45

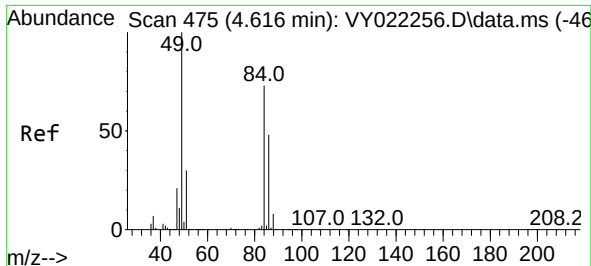
Tgt Ion:168 Resp: 236218
Ion Ratio Lower Upper
168 100
99 53.9 44.2 66.4



#16
Acetone
Concen: 8.397 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022400.D
Acq: 22 May 2025 16:53

Tgt Ion: 43 Resp: 4065
Ion Ratio Lower Upper
43 100
58 31.9 23.6 35.4

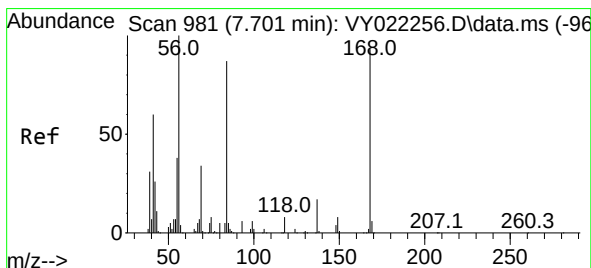
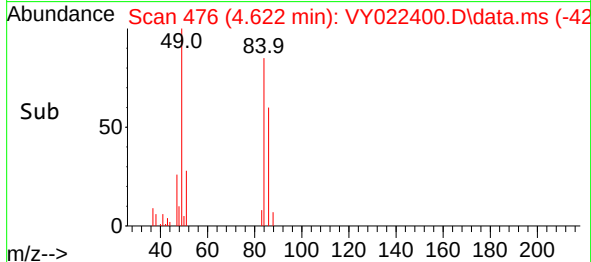
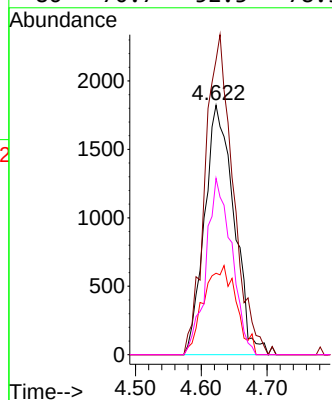
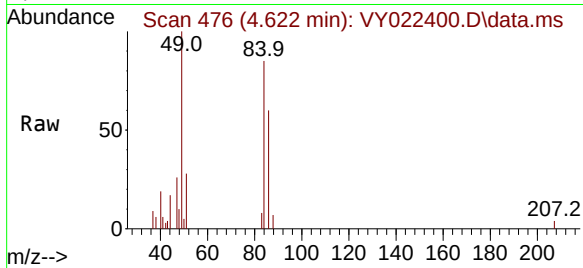




#20
Methylene Chloride
Concen: 1.822 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022400.D
Acq: 22 May 2025 16:53

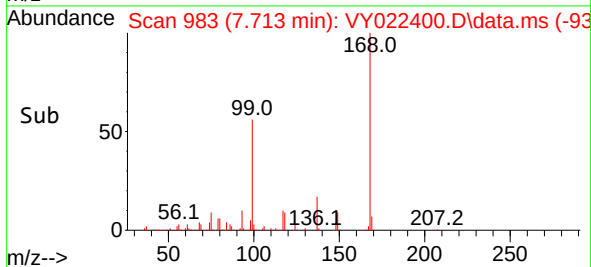
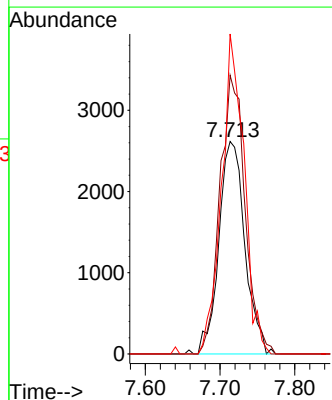
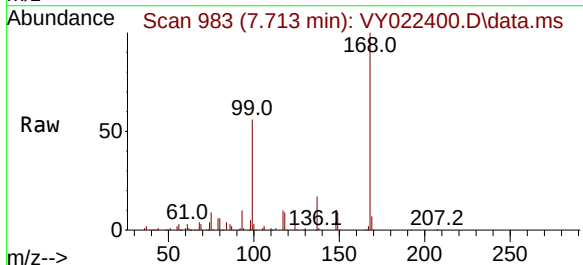
Instrument :
MSVOA_Y
ClientSampleId :
TP-45

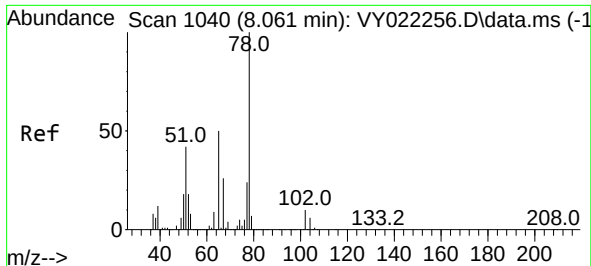
Tgt Ion:	84	Resp:	5698
Ion	Ratio	Lower	Upper
84	100		
49	118.0	109.6	164.4
51	32.6	32.4	48.6
86	70.7	52.3	78.5



#31
Cyclohexane
Concen: 1.213 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022400.D
Acq: 22 May 2025 16:53

Tgt Ion:	56	Resp:	6333
Ion	Ratio	Lower	Upper
56	100		
69	131.1	27.4	41.2#
84	150.6	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 50.494 ug/l

RT: 8.073 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY022400.D

Acq: 22 May 2025 16:53

Instrument :

MSVOA_Y

ClientSampleId :

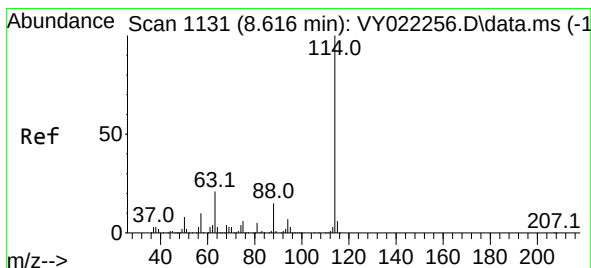
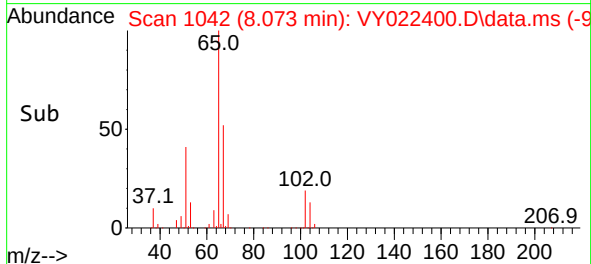
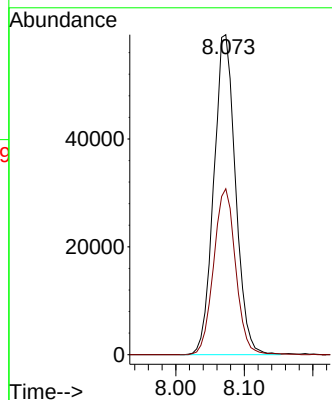
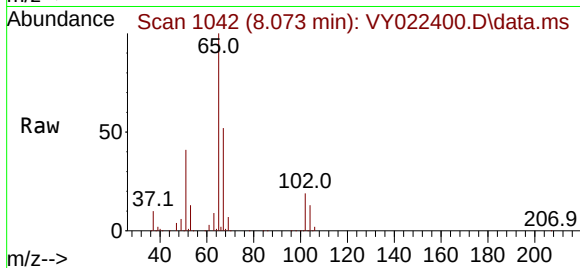
TP-45

Tgt Ion: 65 Resp: 130358

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022400.D

Acq: 22 May 2025 16:53

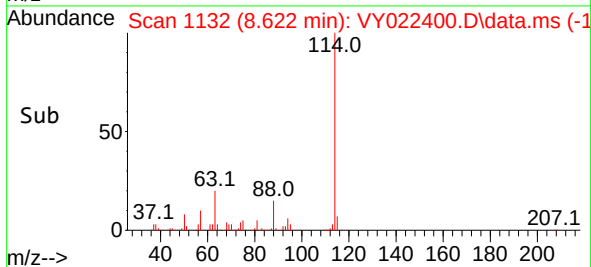
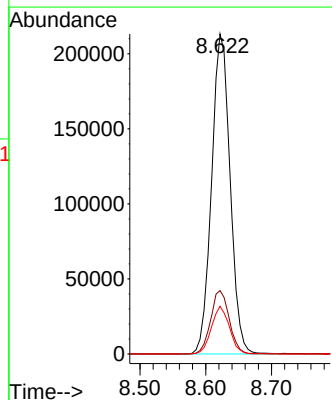
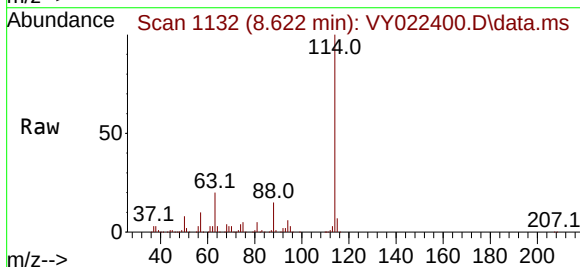
Tgt Ion: 114 Resp: 418190

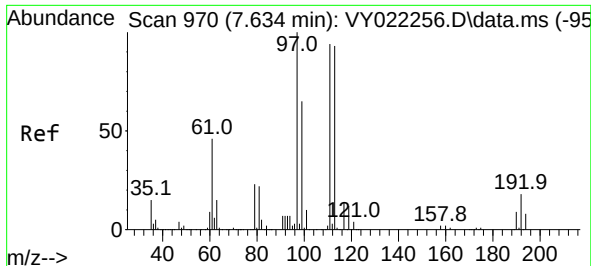
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.0

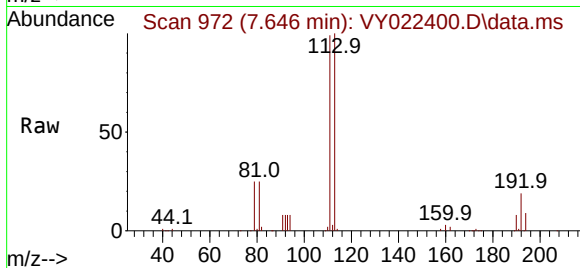
88 14.9 0.0 29.4



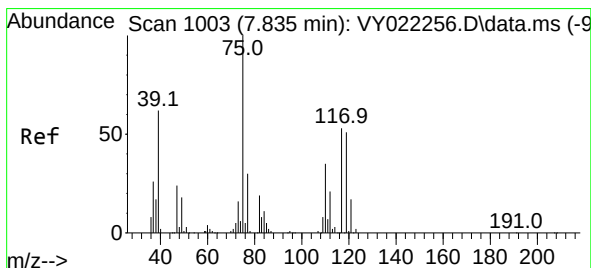
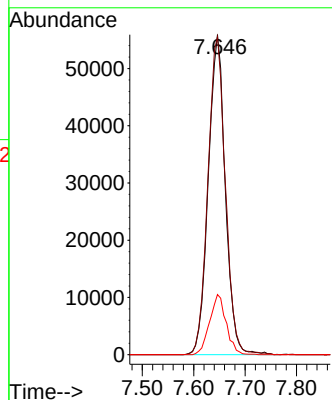
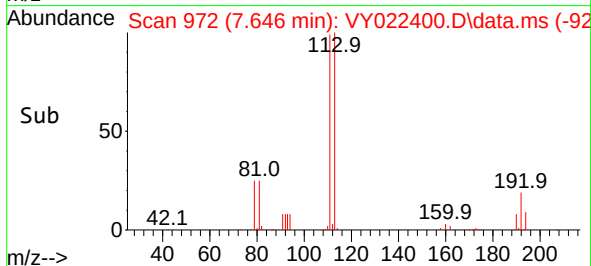


#35
Dibromofluoromethane
Concen: 51.510 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022400.D
Acq: 22 May 2025 16:53

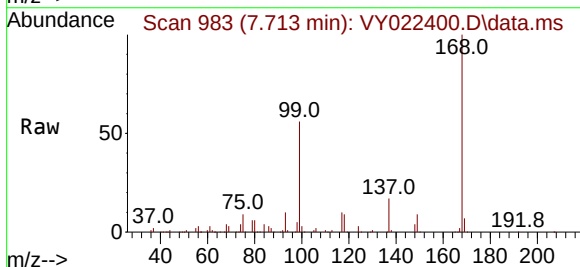
Instrument :
MSVOA_Y
ClientSampleId :
TP-45



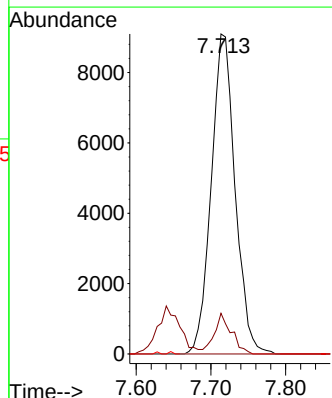
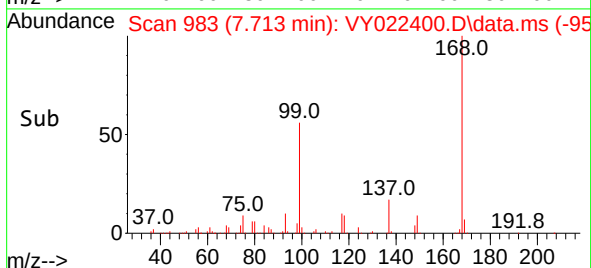
Tgt Ion:113 Resp: 128569
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 18.3 15.2 22.8

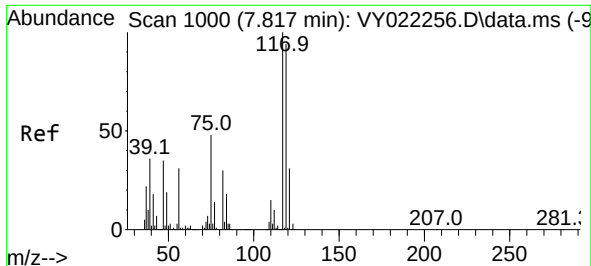


#36
1,1-Dichloropropene
Concen: 4.922 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022400.D
Acq: 22 May 2025 16:53



Tgt Ion: 75 Resp: 20237
Ion Ratio Lower Upper
75 100
110 9.3 16.6 49.8#
77 0.0 24.6 37.0#

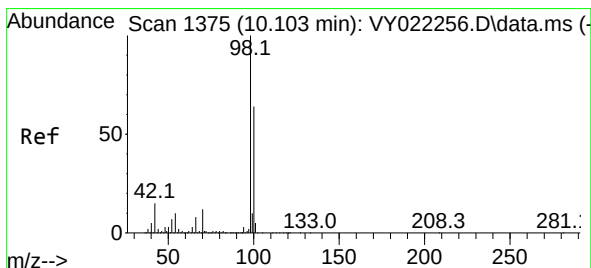
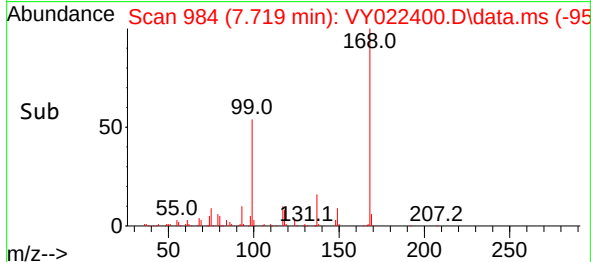
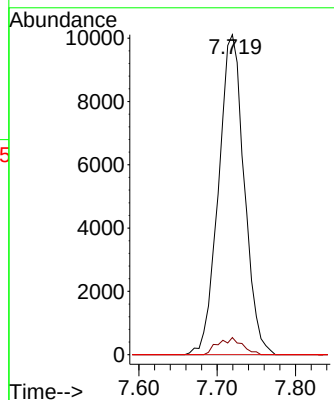
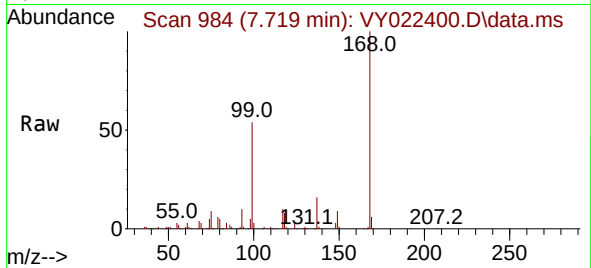




#38
Carbon Tetrachloride
Concen: 5.417 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY022400.D
Acq: 22 May 2025 16:53

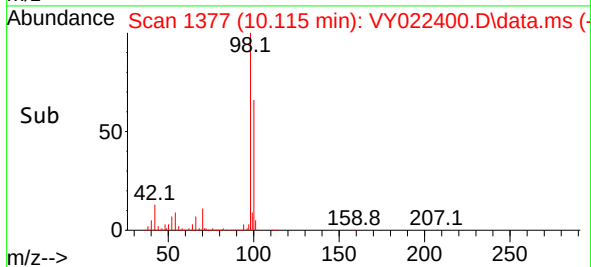
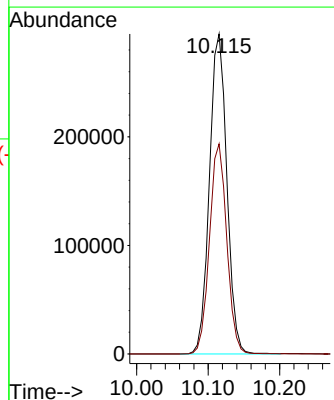
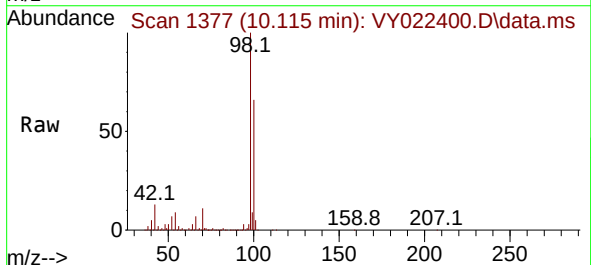
Instrument :
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ClientSampleId :
TP-45

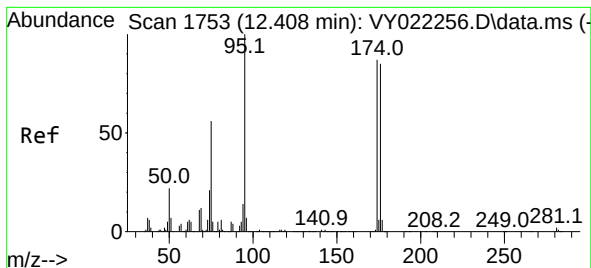
Tgt Ion:117 Resp: 23053
Ion Ratio Lower Upper
117 100
119 5.4 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.739 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022400.D
Acq: 22 May 2025 16:53

Tgt Ion: 98 Resp: 498238
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8

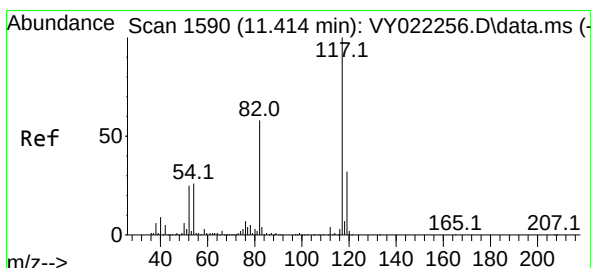
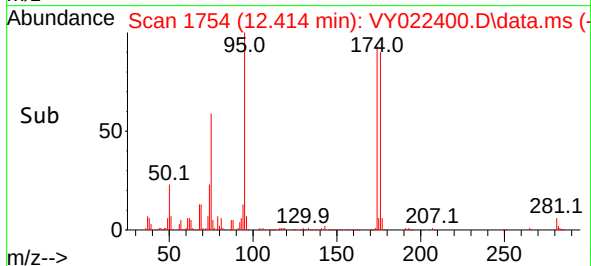
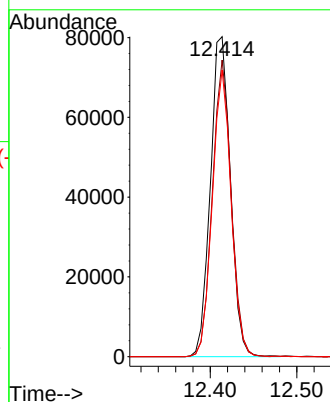
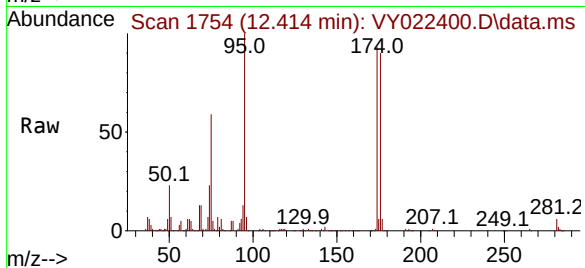




#62
4-Bromofluorobenzene
Concen: 39.729 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022400.D
Acq: 22 May 2025 16:53

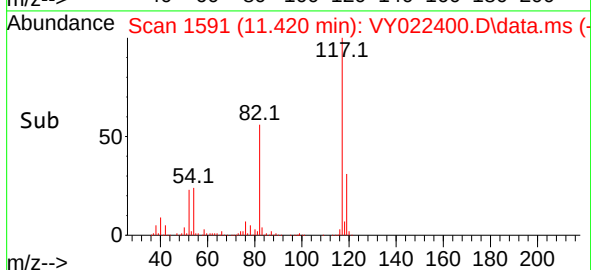
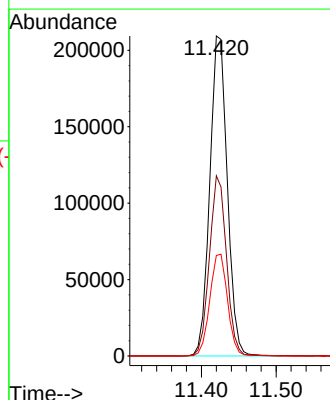
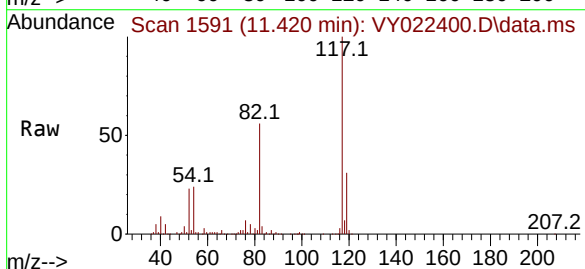
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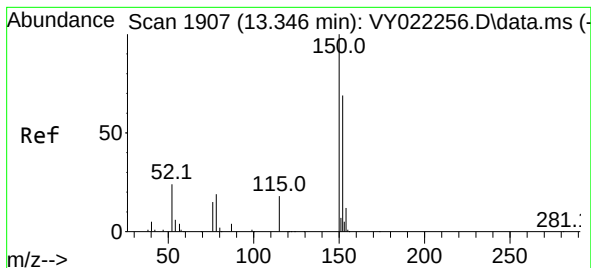
Tgt Ion: 95 Resp: 128731
Ion Ratio Lower Upper
95 100
174 87.7 0.0 166.8
176 84.1 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022400.D
Acq: 22 May 2025 16:53

Tgt Ion: 117 Resp: 340404
Ion Ratio Lower Upper
117 100
82 56.3 46.6 70.0
119 31.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY022400.D

Acq: 22 May 2025 16:53

Instrument :

MSVOA_Y

ClientSampleId :

TP-45

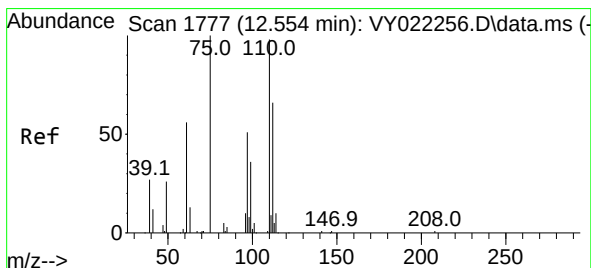
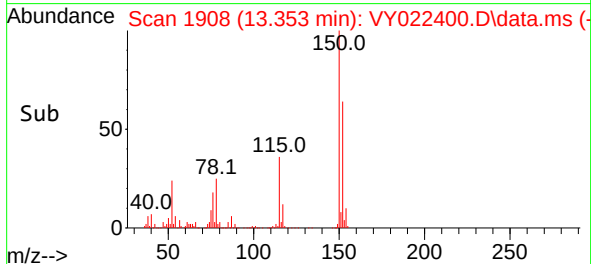
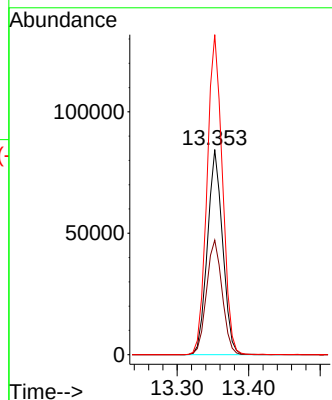
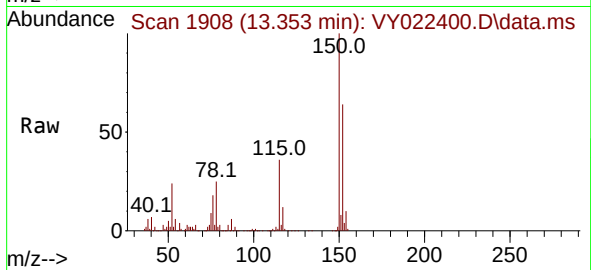
Tgt Ion:152 Resp: 124499

Ion Ratio Lower Upper

152 100

115 57.7 29.4 88.2

150 158.0 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 59.760 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022400.D

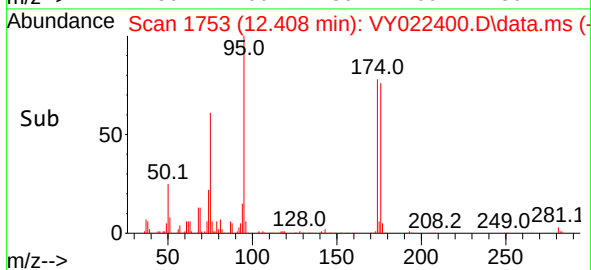
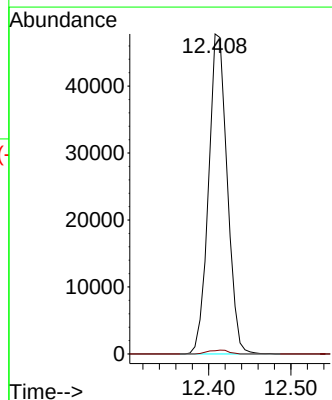
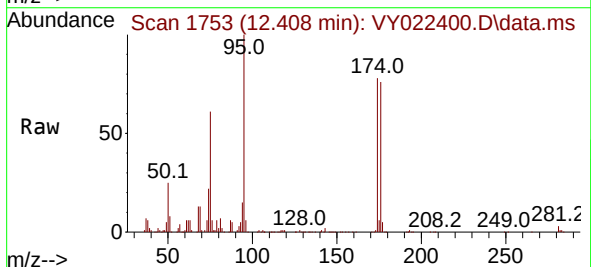
Acq: 22 May 2025 16:53

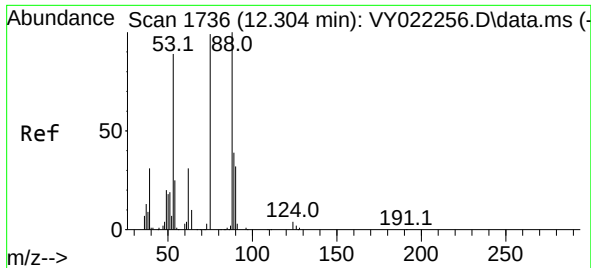
Tgt Ion: 75 Resp: 75375

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.058 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022400.D
 Acq: 22 May 2025 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-45

Tgt Ion: 75 Resp: 75375
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 36.2 54.2#

