

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023944.D
 Acq On : 11 Dec 2025 10:45
 Operator : SY/MD
 Sample : Q3821-01
 Misc : 4.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-A-B

Quant Time: Dec 12 03:19:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

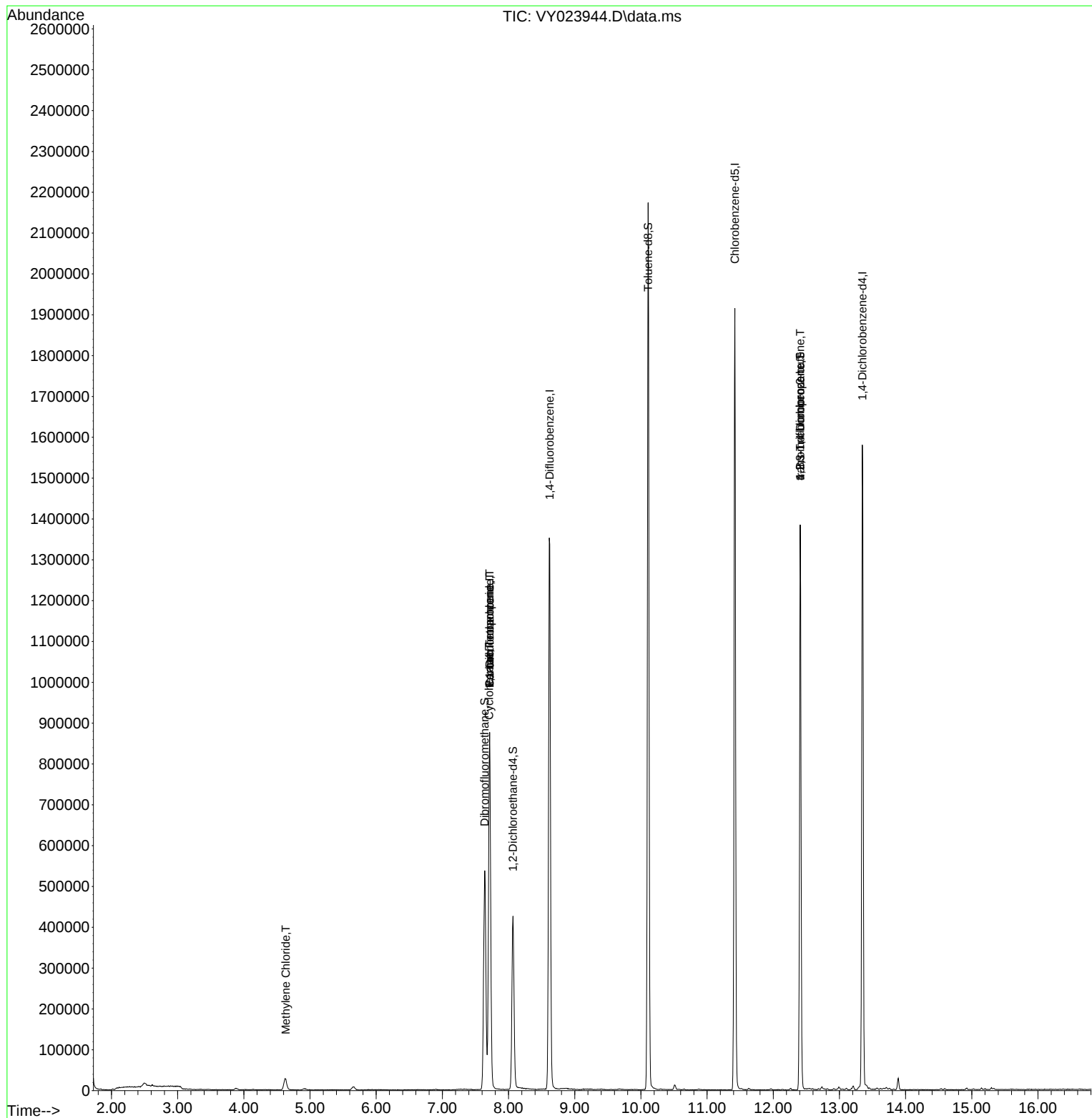
Internal Standards						
1) Pentafluorobenzene	7.713	168	721130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1236556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1040637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	429732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	337105	52.872	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.740%	
35) Dibromofluoromethane	7.640	113	383187	47.405	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.820%	
50) Toluene-d8	10.109	98	1406602	46.739	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.480%	
62) 4-Bromofluorobenzene	12.408	95	409566	40.751	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.500%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	6452	Below Cal	#	88
20) Methylene Chloride	4.635	84	21893	2.919	ug/l	91
31) Cyclohexane	7.707	56	12344	1.129	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	48230	4.383	ug/l #	49
38) Carbon Tetrachloride	7.713	117	64781	4.857	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	201833	55.524	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	201833	126.385	ug/l #	12

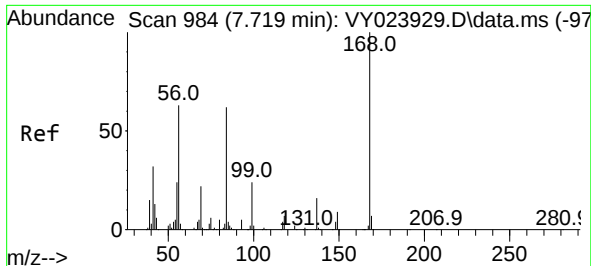
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 12 03:19:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 11 03:57:51 2025
Response via : Initial Calibration

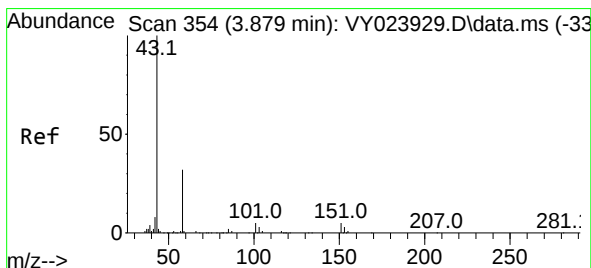
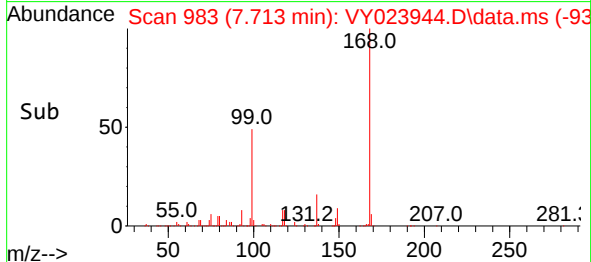
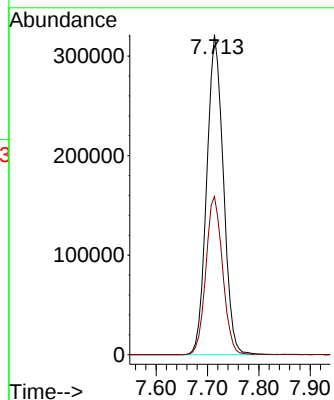
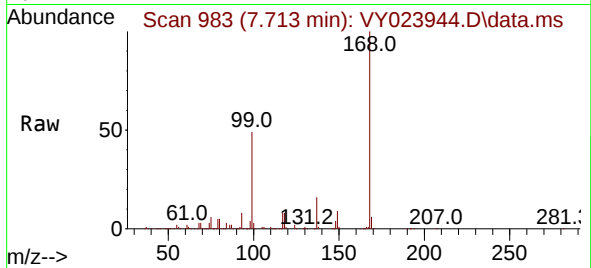




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023944.D
Acq: 11 Dec 2025 10:45

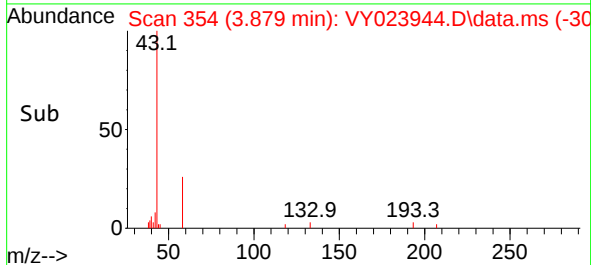
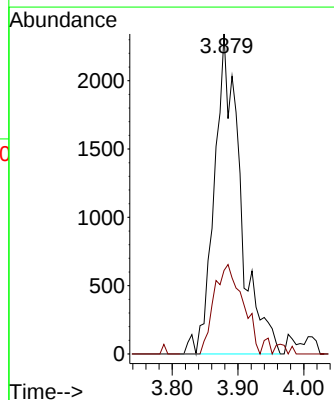
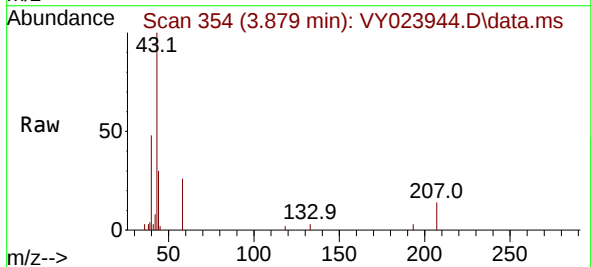
Instrument :
MSVOA_Y
ClientSampleId :
TP-A-B

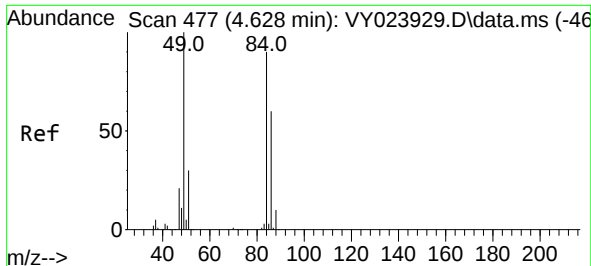
Tgt Ion:168 Resp: 721130
Ion Ratio Lower Upper
168 100
99 49.4 38.9 58.3



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY023944.D
Acq: 11 Dec 2025 10:45

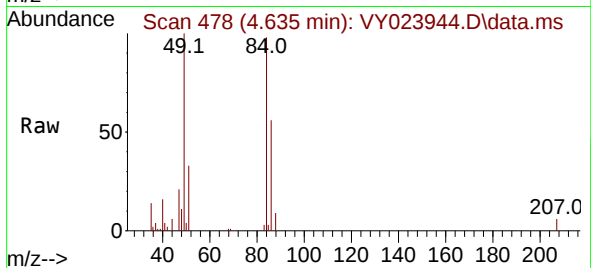
Tgt Ion: 43 Resp: 6452
Ion Ratio Lower Upper
43 100
58 26.1 26.4 39.6#



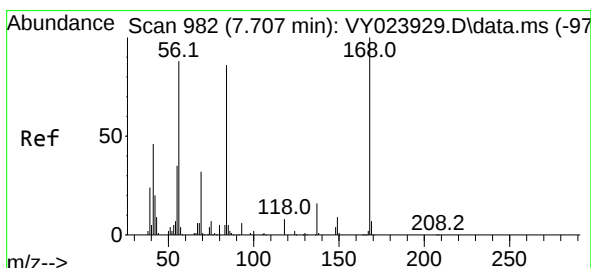
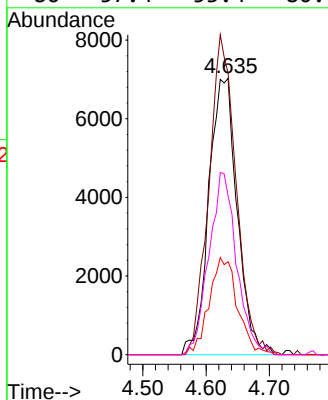
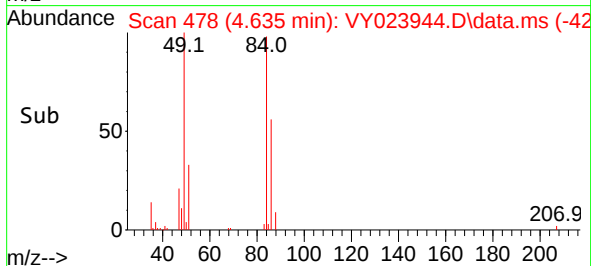


#20
Methylene Chloride
Concen: 2.919 ug/l
RT: 4.635 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023944.D
Acq: 11 Dec 2025 10:45

Instrument :
MSVOA_Y
ClientSampleId :
TP-A-B

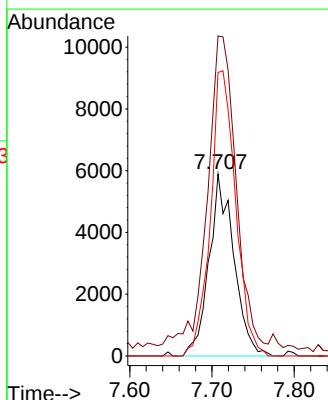
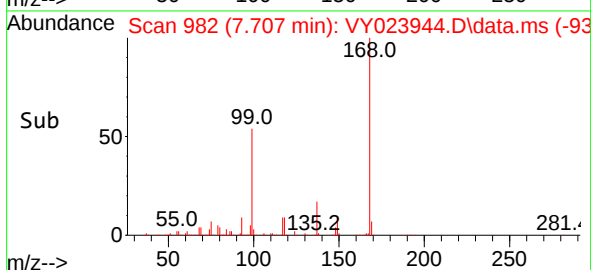
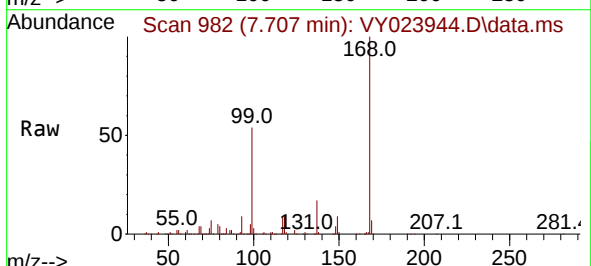


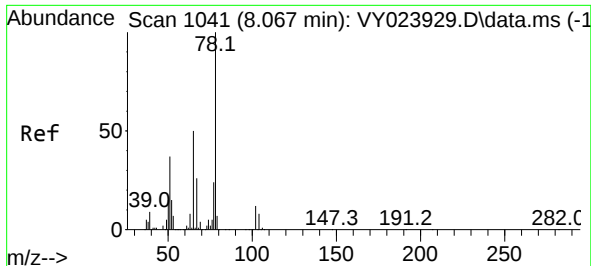
Tgt Ion:	84	Resp:	21893
Ion	Ratio	Lower	Upper
84	100		
49	101.9	89.1	133.7
51	33.7	26.6	39.8
86	57.4	53.4	80.0



#31
Cyclohexane
Concen: 1.129 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023944.D
Acq: 11 Dec 2025 10:45

Tgt Ion:	56	Resp:	12344
Ion	Ratio	Lower	Upper
56	100		
69	169.1	29.1	43.7#
84	156.1	77.8	116.8#





#33

1,2-Dichloroethane-d4

Concen: 52.872 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY023944.D

Acq: 11 Dec 2025 10:45

Instrument :

MSVOA_Y

ClientSampleId :

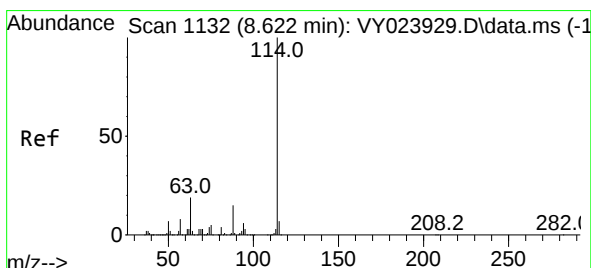
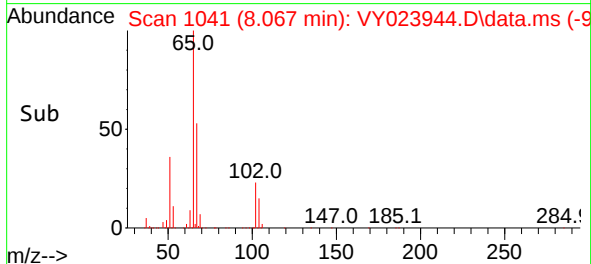
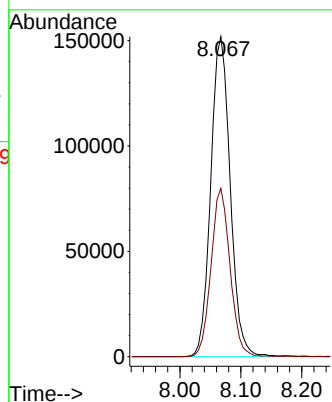
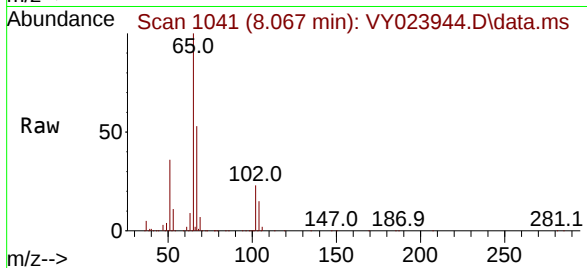
TP-A-B

Tgt Ion: 65 Resp: 337105

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VY023944.D

Acq: 11 Dec 2025 10:45

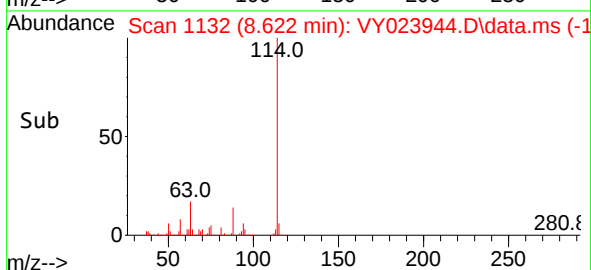
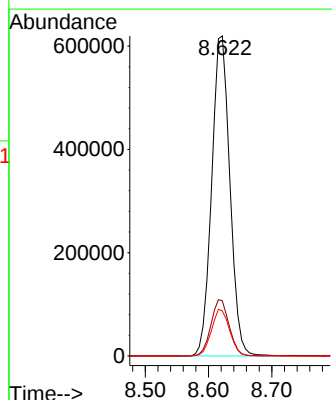
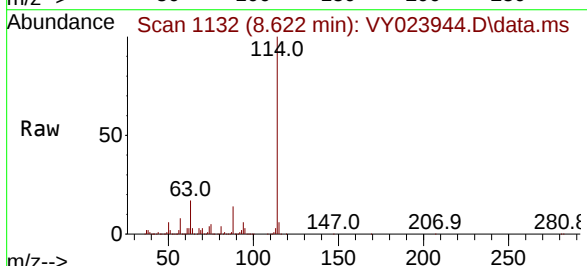
Tgt Ion: 114 Resp: 1236556

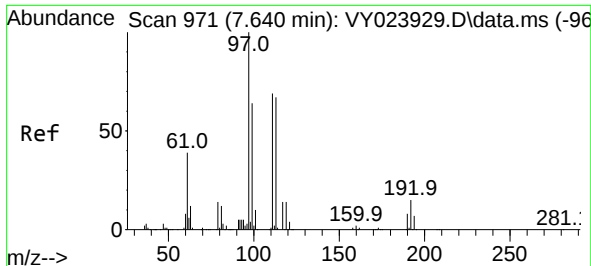
Ion Ratio Lower Upper

114 100

63 17.2 0.0 37.2

88 14.1 0.0 29.4

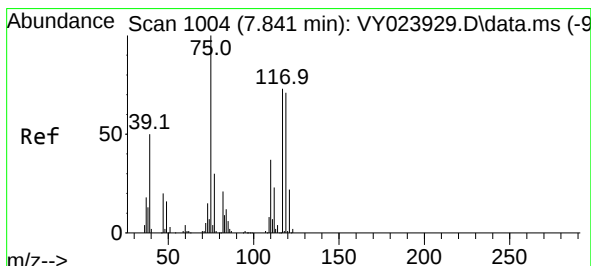
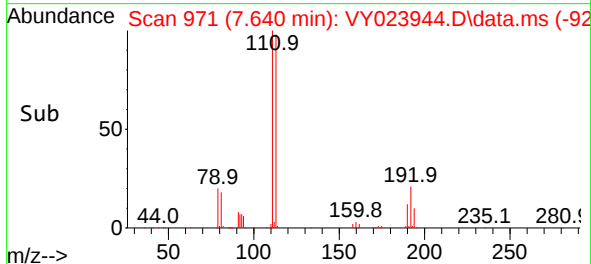
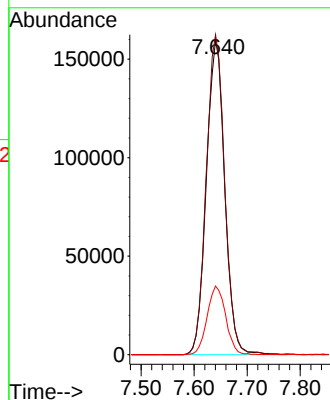
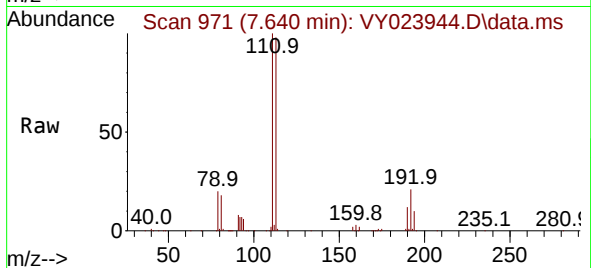




#35
Dibromofluoromethane
Concen: 47.405 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023944.D
Acq: 11 Dec 2025 10:45

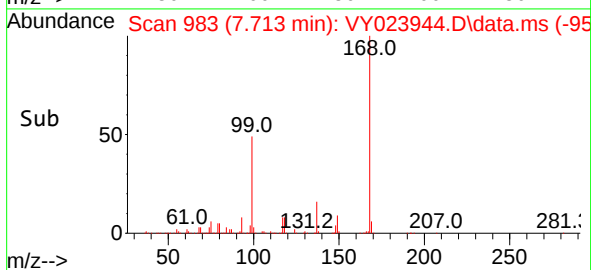
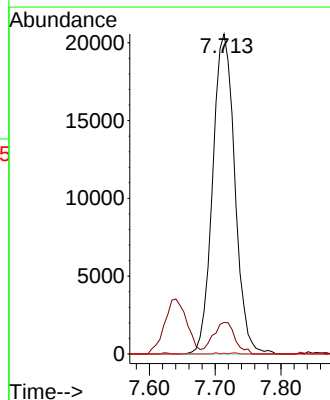
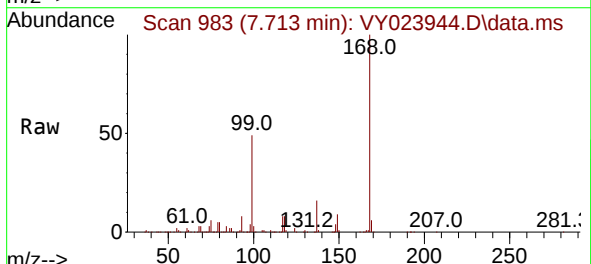
Instrument :
MSVOA_Y
ClientSampleId :
TP-A-B

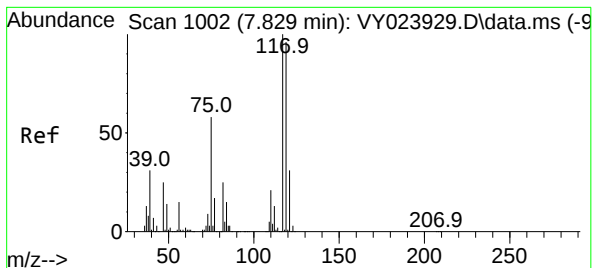
Tgt Ion:113 Resp: 383187
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 22.1 17.9 26.9



#36
1,1-Dichloropropene
Concen: 4.383 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY023944.D
Acq: 11 Dec 2025 10:45

Tgt Ion: 75 Resp: 48230
Ion Ratio Lower Upper
75 100
110 9.8 19.2 57.6#
77 0.1 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.857 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY023944.D

Acq: 11 Dec 2025 10:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-A-B

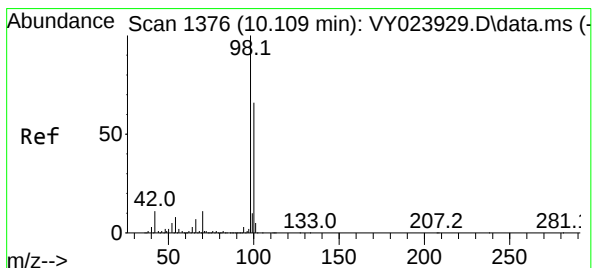
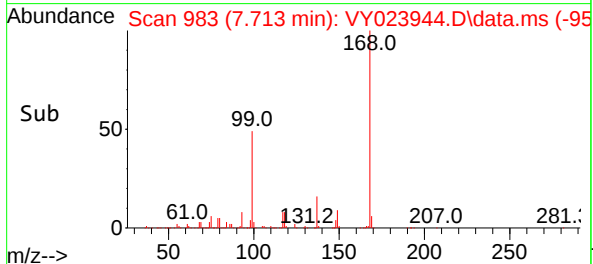
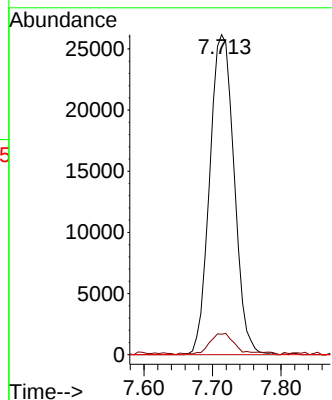
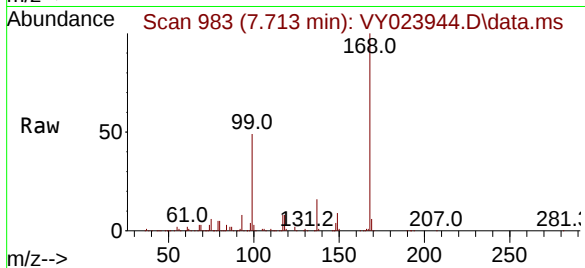
Tgt Ion:117 Resp: 64781

Ion Ratio Lower Upper

117 100

119 6.4 76.6 114.8#

121 0.0 24.8 37.2#



#50

Toluene-d8

Concen: 46.739 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023944.D

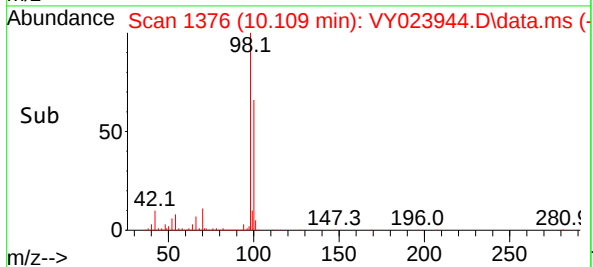
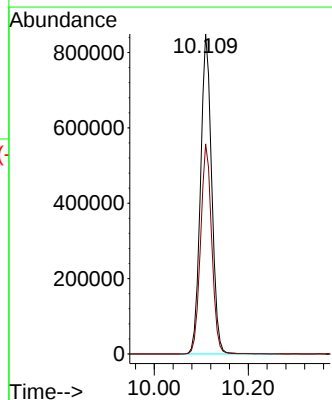
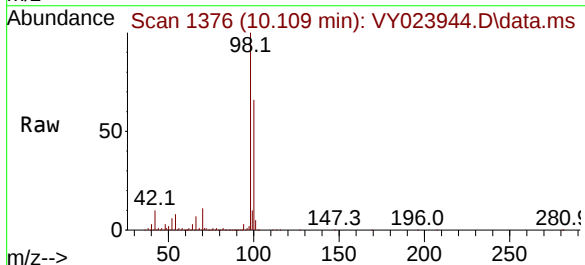
Acq: 11 Dec 2025 10:45

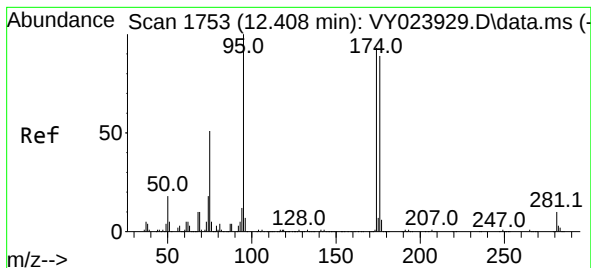
Tgt Ion: 98 Resp: 1406602

Ion Ratio Lower Upper

98 100

100 65.4 52.8 79.2

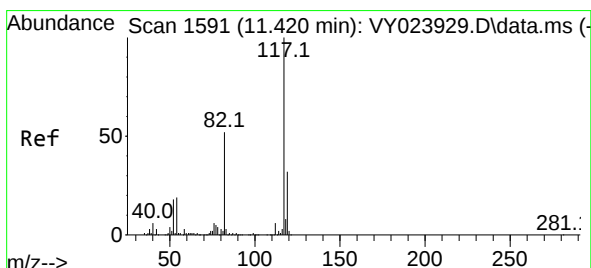
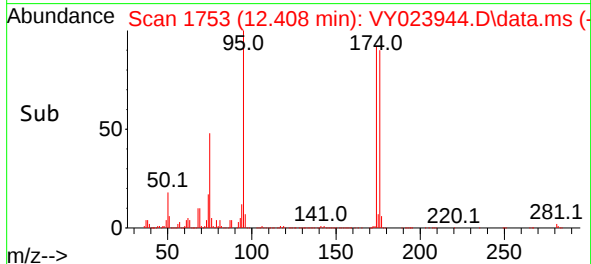
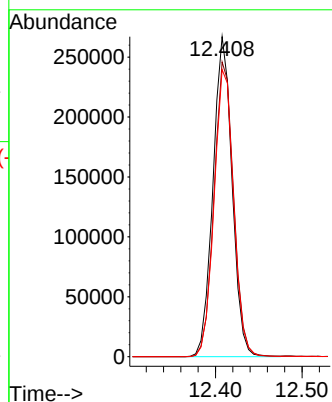
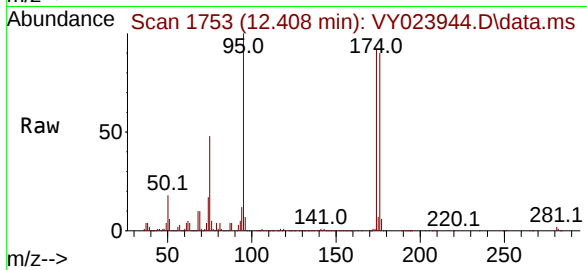




#62
4-Bromofluorobenzene
Concen: 40.751 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023944.D
Acq: 11 Dec 2025 10:45

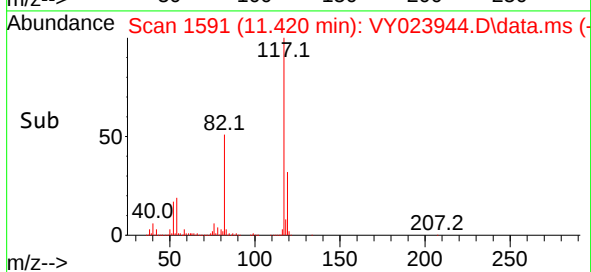
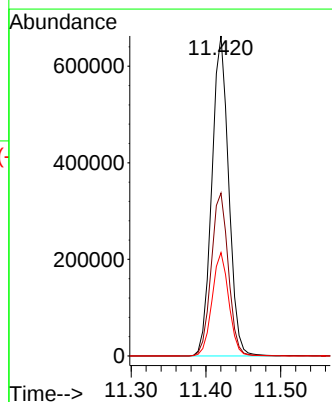
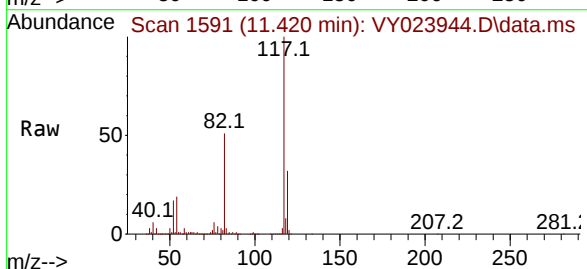
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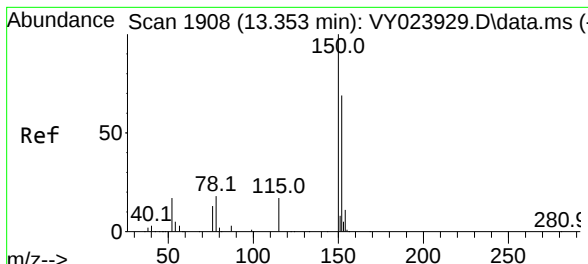
Tgt Ion: 95 Resp: 409566
Ion Ratio Lower Upper
95 100
174 94.3 0.0 187.4
176 91.7 0.0 179.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY023944.D
Acq: 11 Dec 2025 10:45

Tgt Ion: 117 Resp: 1040637
Ion Ratio Lower Upper
117 100
82 50.9 41.4 62.2
119 32.3 25.5 38.3

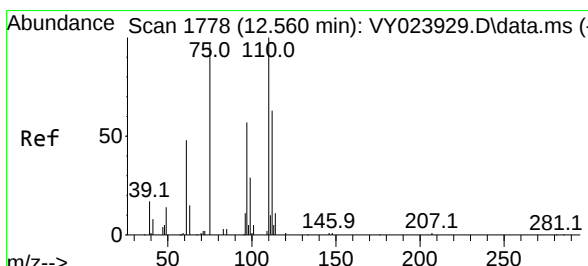
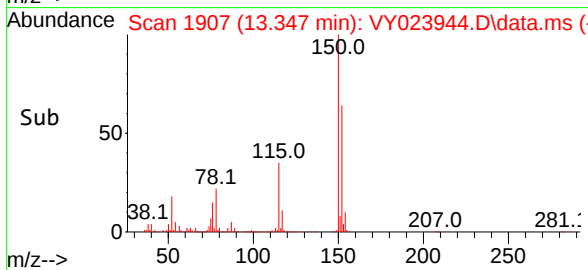
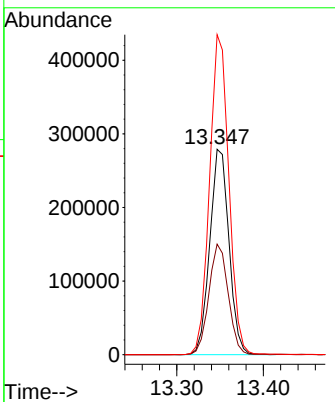
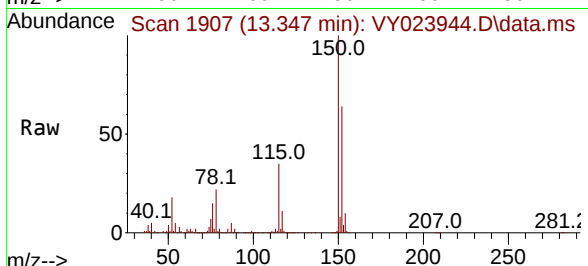




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. -0.006 min
 Lab File: VY023944.D
 Acq: 11 Dec 2025 10:45

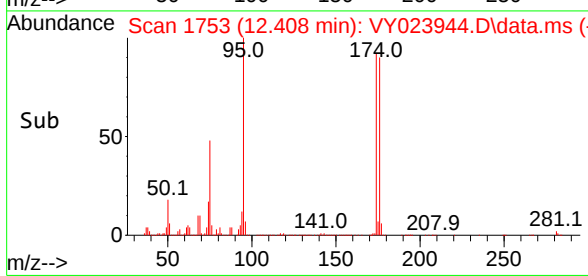
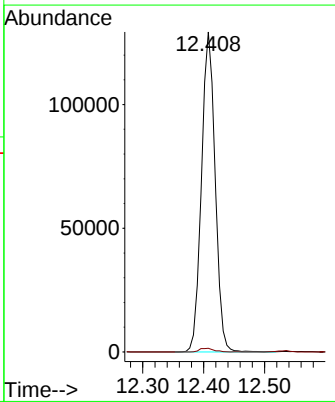
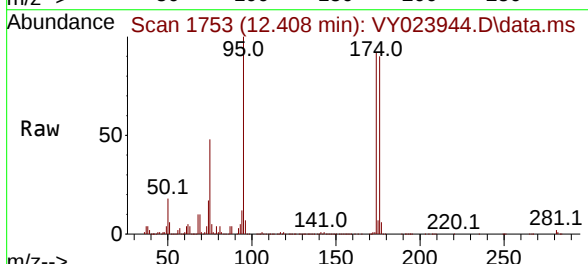
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-A-B

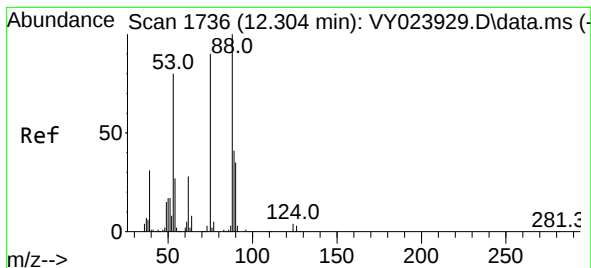
Tgt Ion:	152	Resp:	429732
Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.3	81.9
150	156.1	0.0	347.6



#76
 1,2,3-Trichloropropane
 Concen: 55.524 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY023944.D
 Acq: 11 Dec 2025 10:45

Tgt Ion:	75	Resp:	201833
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.385 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023944.D
 Acq: 11 Dec 2025 10:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-A-B

Tgt Ion: 75 Resp: 201833
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.4 110.0#
 89 0.0 38.9 58.3#

