

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023970.D
 Acq On : 15 Dec 2025 12:39
 Operator : SY/MD
 Sample : Q3861-01
 Misc : 5.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-121225

Quant Time: Dec 16 02:13:59 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	7.719	168	774293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	1302279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1076446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	418617	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	338307	49.418	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.840%
35) Dibromofluoromethane	7.646	113	407502	47.869	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.740%
50) Toluene-d8	10.115	98	1450662	45.770	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.540%
62) 4-Bromofluorobenzene	12.414	95	407341	38.485	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.960%

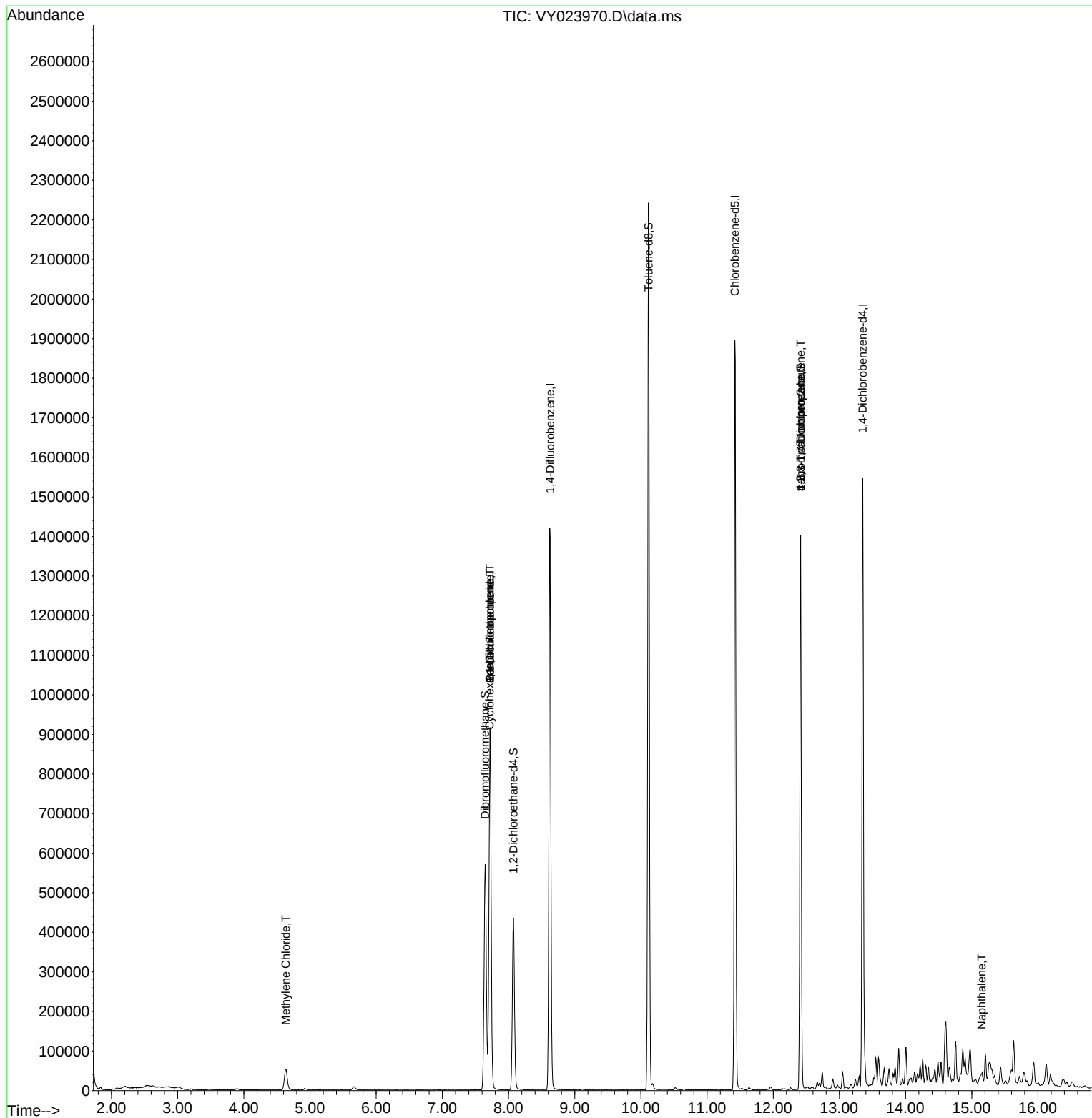
Target Compounds					Qvalue	
10) Methyl Iodide	4.025	142	740	Below Cal	#	44
16) Acetone	3.903	43	5842	Below Cal	#	79
20) Methylene Chloride	4.635	84	43728	5.430	ug/l	90
31) Cyclohexane	7.713	56	12561	1.070	ug/l	# 1
36) 1,1-Dichloropropene	7.719	75	47590	4.106	ug/l	# 50
38) Carbon Tetrachloride	7.719	117	68188	4.854	ug/l	# 16
76) 1,2,3-Trichloropropane	12.414	75	197105	55.663	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.414	75	197105	126.702	ug/l	# 12
95) Naphthalene	15.151	128	15198	1.309	ug/l	# 92

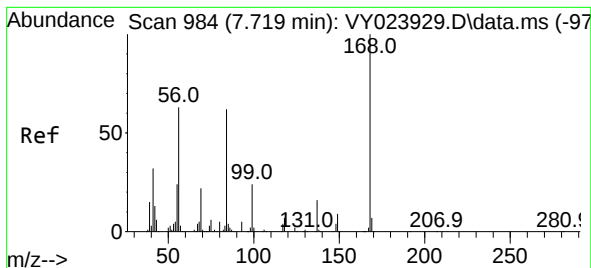
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.719 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY023970.D

Acq: 15 Dec 2025 12:39

Instrument :

MSVOA_Y

ClientSampleId :

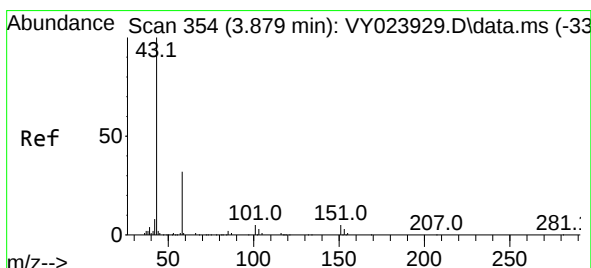
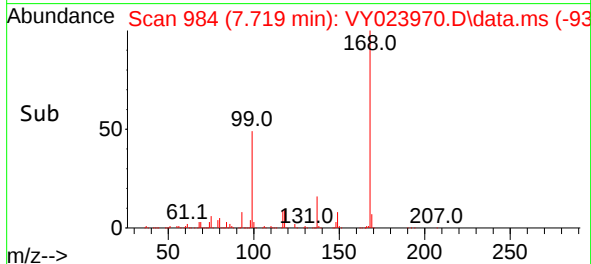
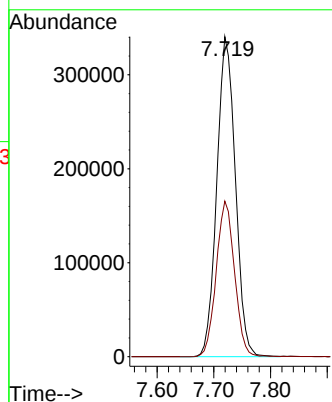
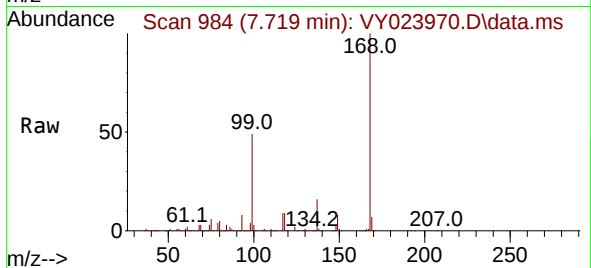
EO-03-121225

Tgt Ion:168 Resp: 774293

Ion Ratio Lower Upper

168 100

99 48.6 38.9 58.3



#16

Acetone

Concen: Below Cal

RT: 3.903 min Scan# 358

Delta R.T. 0.024 min

Lab File: VY023970.D

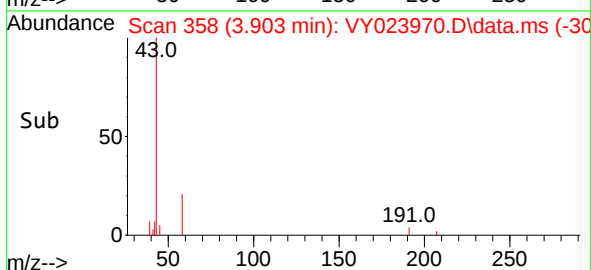
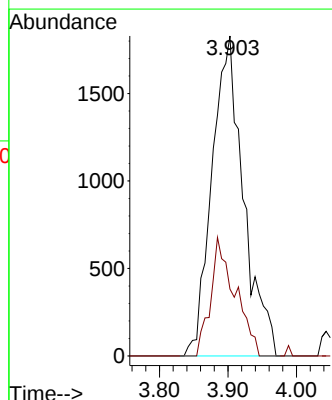
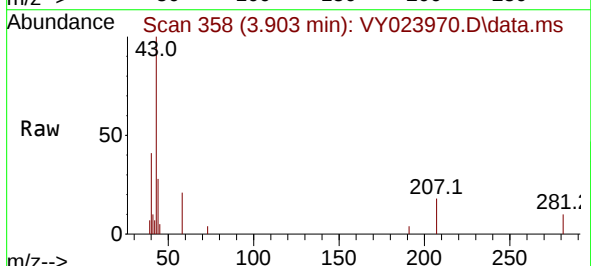
Acq: 15 Dec 2025 12:39

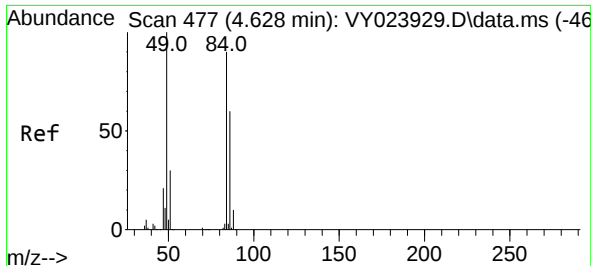
Tgt Ion: 43 Resp: 5842

Ion Ratio Lower Upper

43 100

58 20.9 26.4 39.6#

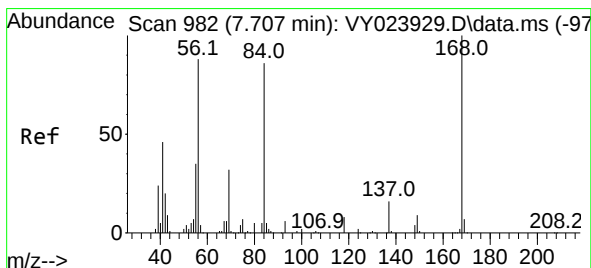
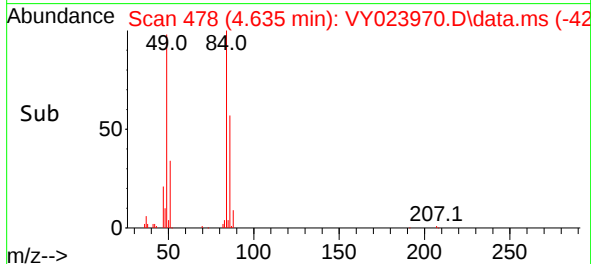
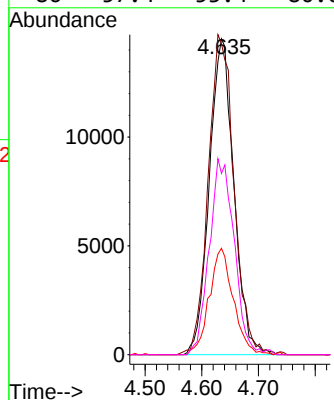
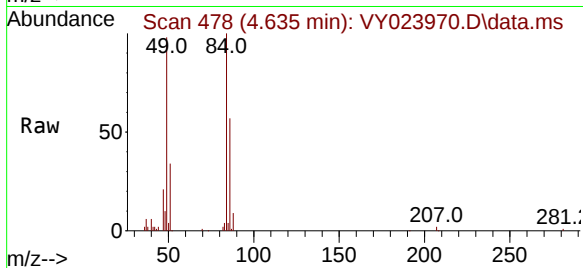




#20
Methylene Chloride
Concen: 5.430 ug/l
RT: 4.635 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023970.D
Acq: 15 Dec 2025 12:39

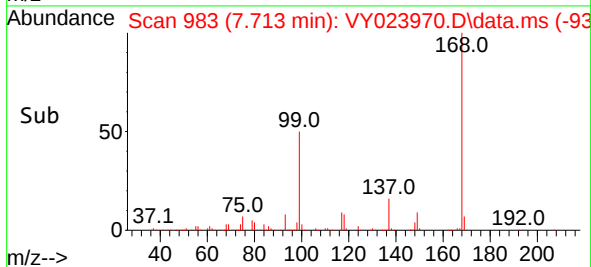
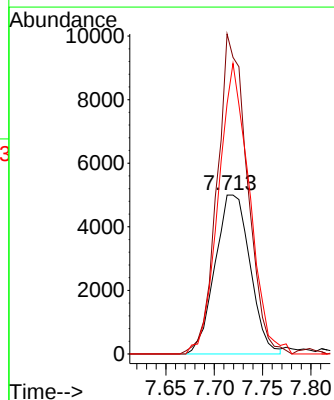
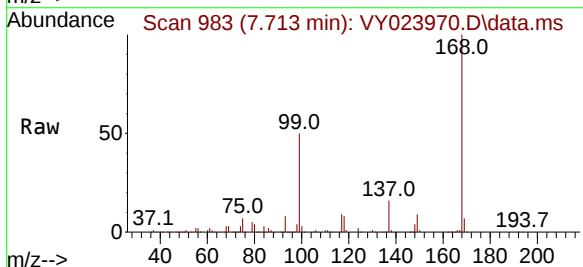
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-121225

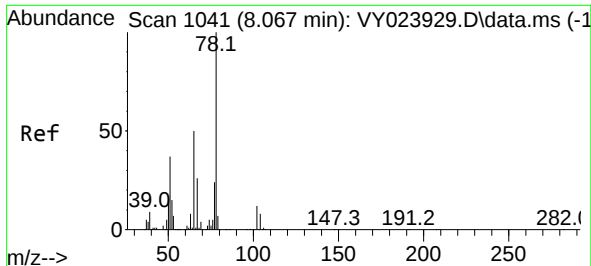
Tgt Ion:	84	Resp:	43728
Ion	Ratio	Lower	Upper
84	100		
49	98.1	89.1	133.7
51	33.7	26.6	39.8
86	57.4	53.4	80.0



#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023970.D
Acq: 15 Dec 2025 12:39

Tgt Ion:	56	Resp:	12561
Ion	Ratio	Lower	Upper
56	100		
69	201.3	29.1	43.7#
84	157.5	77.8	116.8#





#33

1,2-Dichloroethane-d4

Concen: 49.418 ug/l

RT: 8.073 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023970.D

Acq: 15 Dec 2025 12:39

Instrument :

MSVOA_Y

ClientSampleId :

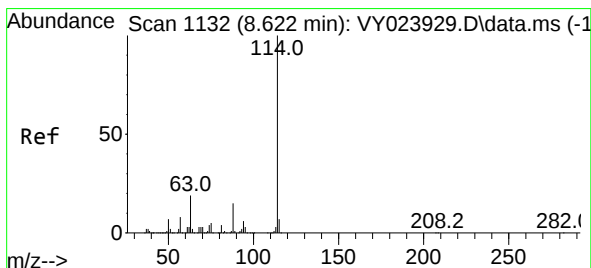
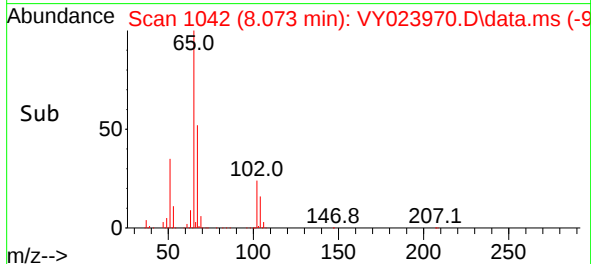
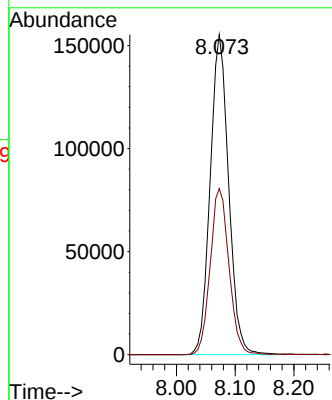
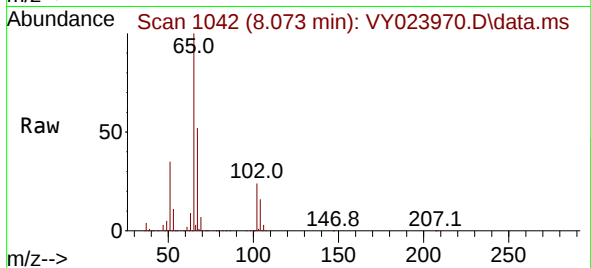
EO-03-121225

Tgt Ion: 65 Resp: 338307

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY023970.D

Acq: 15 Dec 2025 12:39

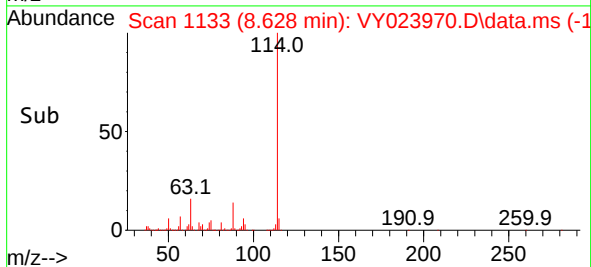
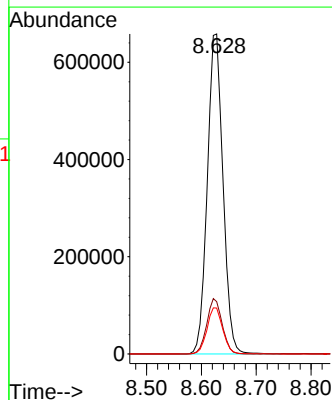
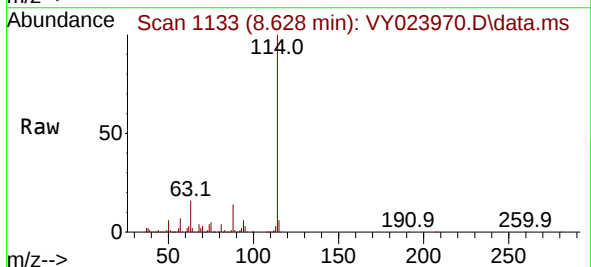
Tgt Ion: 114 Resp: 1302279

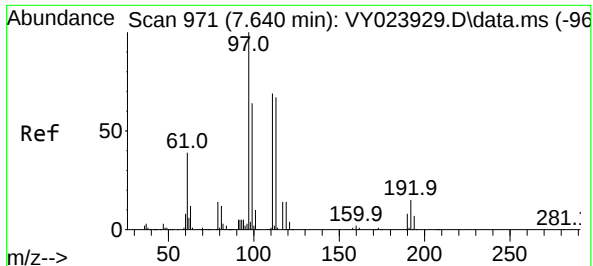
Ion Ratio Lower Upper

114 100

63 16.4 0.0 37.2

88 14.3 0.0 29.4





#35

Dibromofluoromethane

Concen: 47.869 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023970.D

Acq: 15 Dec 2025 12:39

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-121225

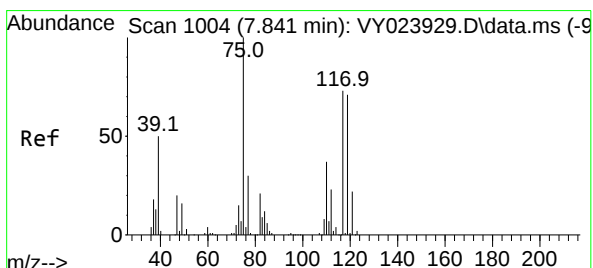
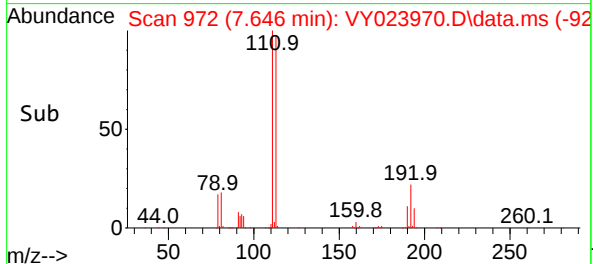
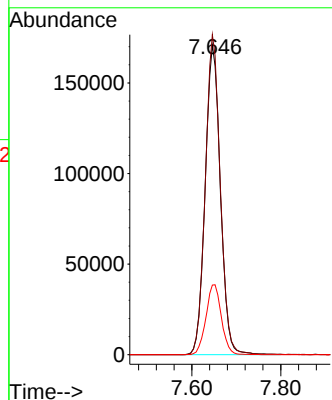
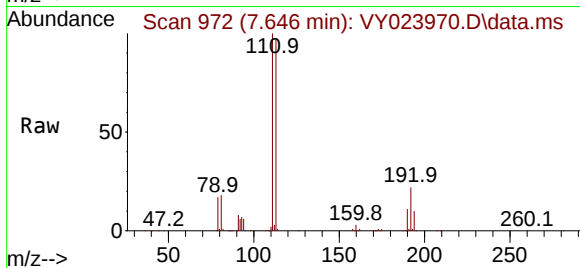
Tgt Ion:113 Resp: 407502

Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

192 22.9 17.9 26.9



#36

1,1-Dichloropropene

Concen: 4.106 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.122 min

Lab File: VY023970.D

Acq: 15 Dec 2025 12:39

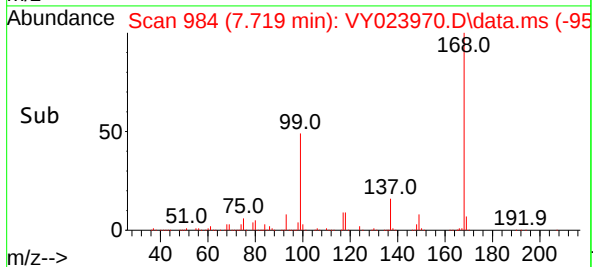
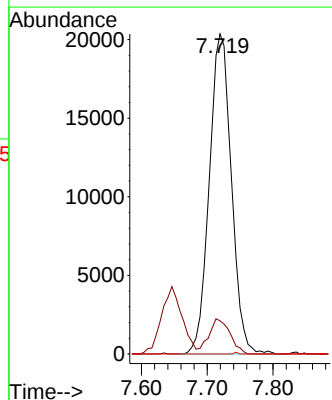
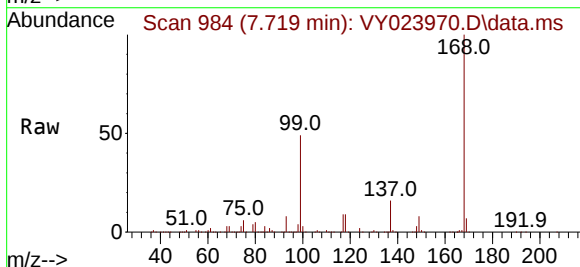
Tgt Ion: 75 Resp: 47590

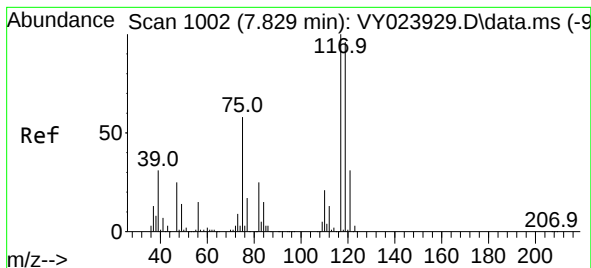
Ion Ratio Lower Upper

75 100

110 10.5 19.2 57.6#

77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.854 ug/l

RT: 7.719 min Scan# 9

Delta R.T. -0.110 min

Lab File: VY023970.D

Acq: 15 Dec 2025 12:39

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-121225

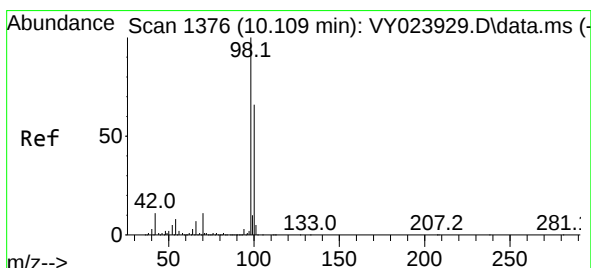
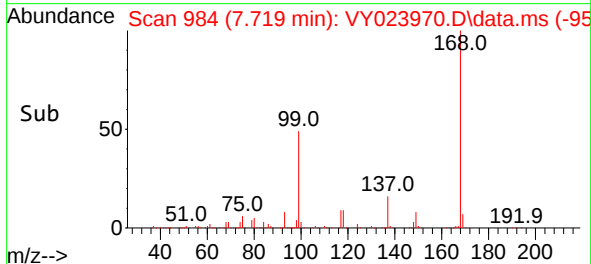
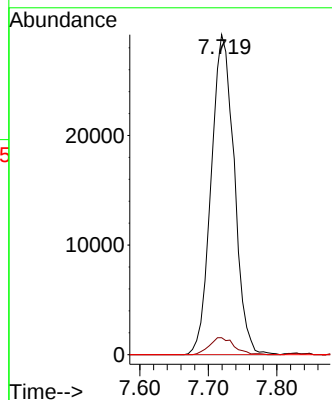
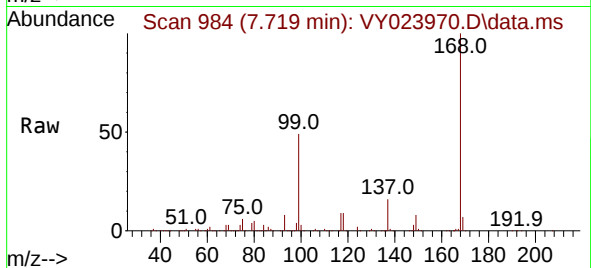
Tgt Ion:117 Resp: 68188

Ion Ratio Lower Upper

117 100

119 5.3 76.6 114.8#

121 0.0 24.8 37.2#



#50

Toluene-d8

Concen: 45.770 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY023970.D

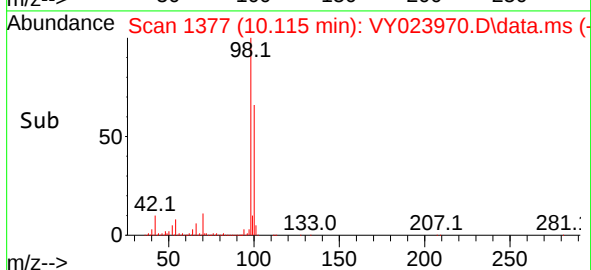
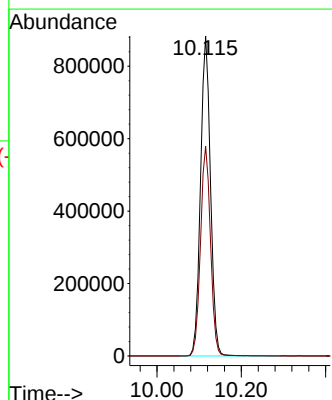
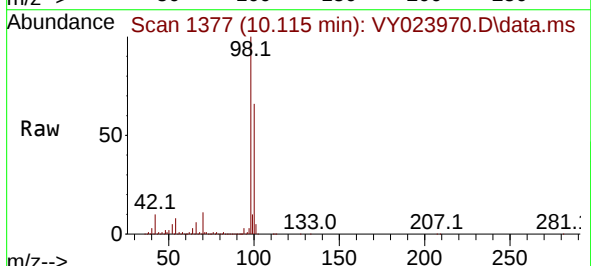
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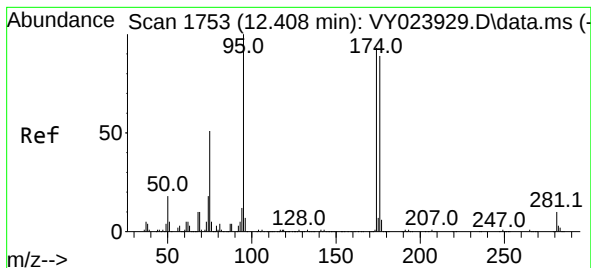
Tgt Ion: 98 Resp: 1450662

Ion Ratio Lower Upper

98 100

100 65.8 52.8 79.2

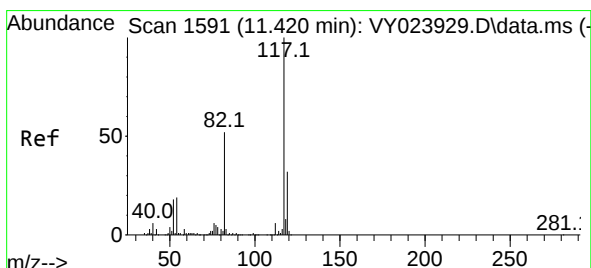
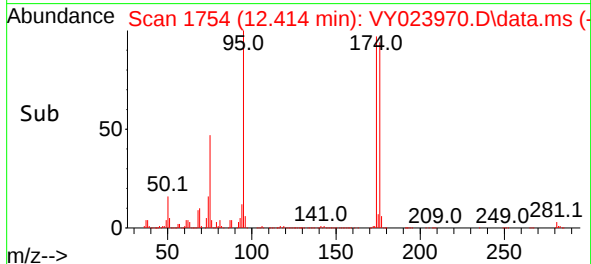
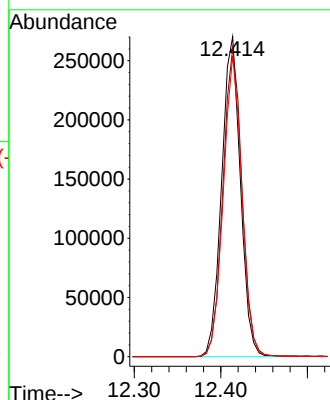
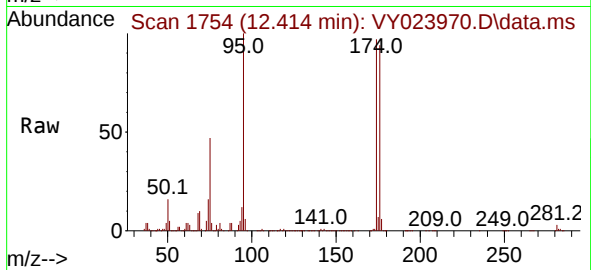




#62
4-Bromofluorobenzene
Concen: 38.485 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023970.D
Acq: 15 Dec 2025 12:39

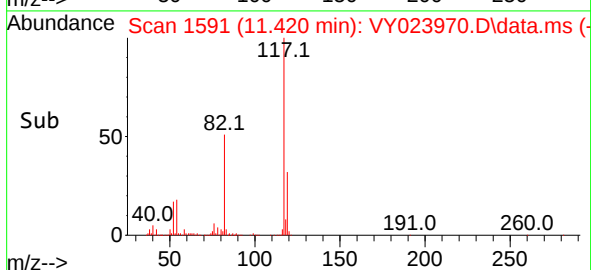
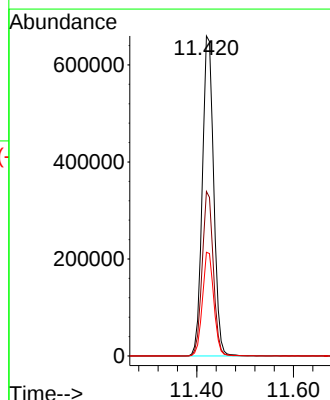
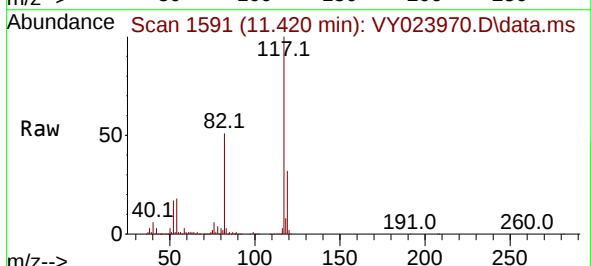
Instrument :
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EO-03-121225

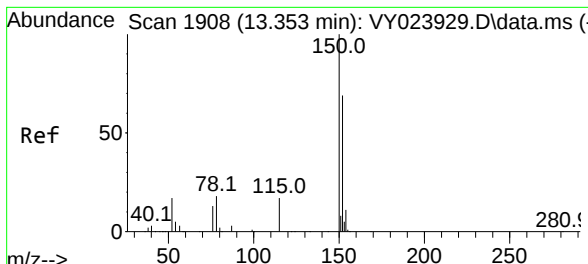
Tgt Ion: 95 Resp: 407341
Ion Ratio Lower Upper
95 100
174 97.9 0.0 187.4
176 93.2 0.0 179.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023970.D
Acq: 15 Dec 2025 12:39

Tgt Ion: 117 Resp: 1076446
Ion Ratio Lower Upper
117 100
82 51.4 41.4 62.2
119 32.4 25.5 38.3



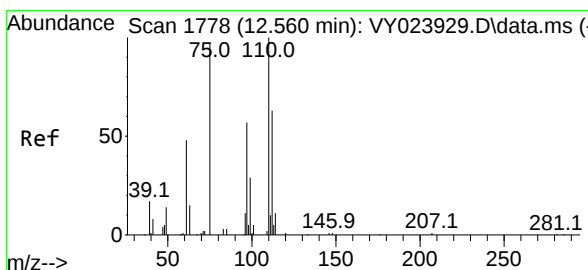
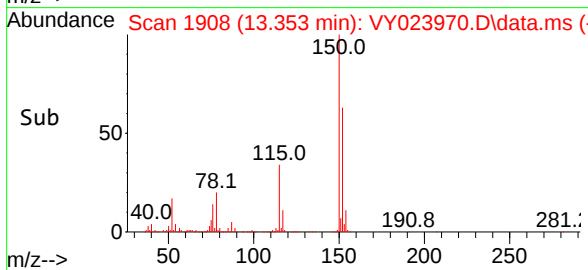
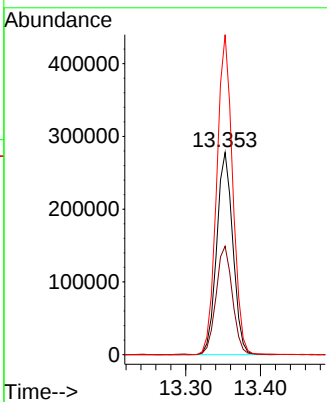
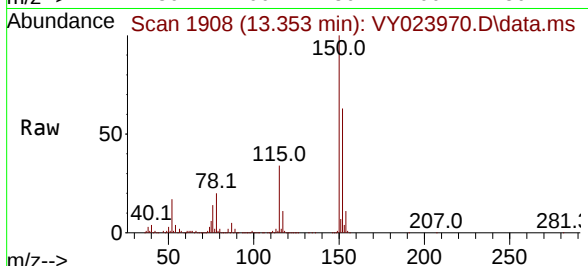


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY023970.D
 Acq: 15 Dec 2025 12:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-121225

Tgt Ion:152 Resp: 418617

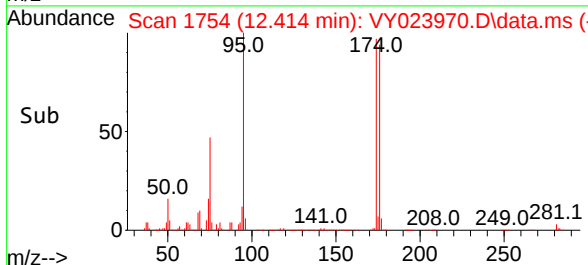
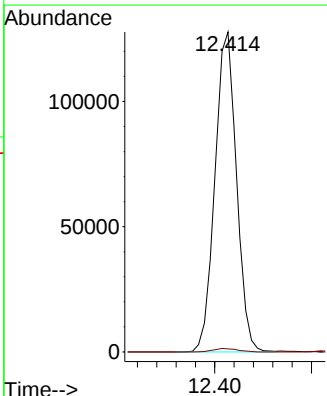
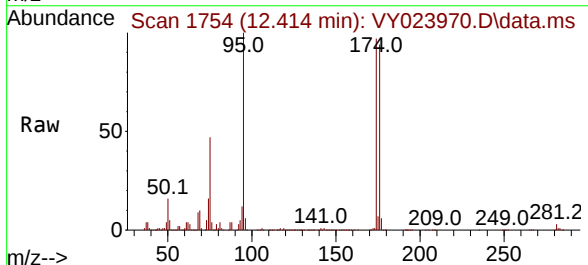
Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.3	81.9
150	156.1	0.0	347.6

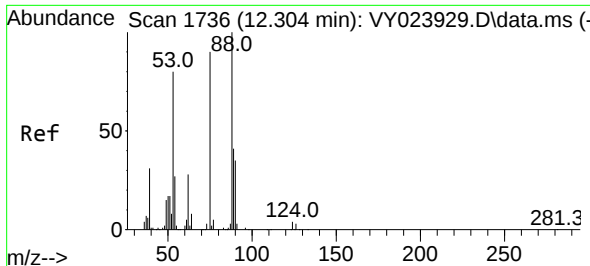


#76
 1,2,3-Trichloropropane
 Concen: 55.663 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.146 min
 Lab File: VY023970.D
 Acq: 15 Dec 2025 12:39

Tgt Ion: 75 Resp: 197105

Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

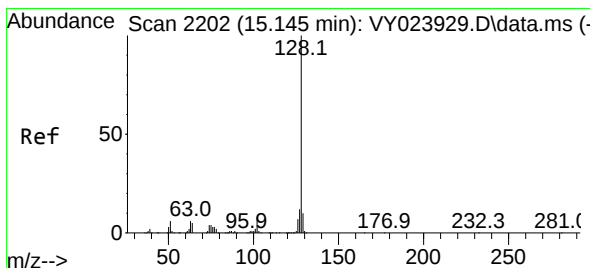
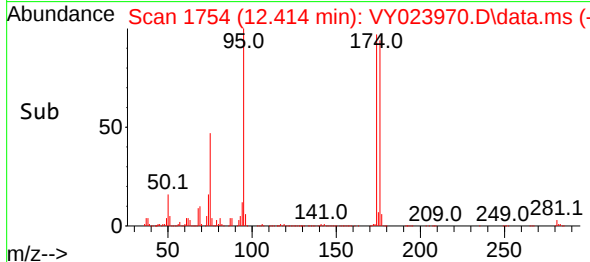
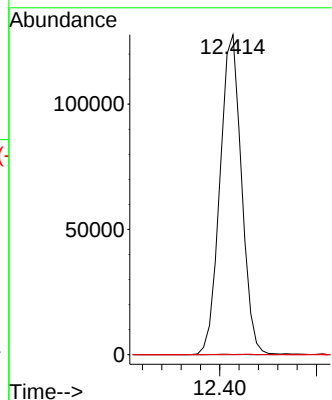
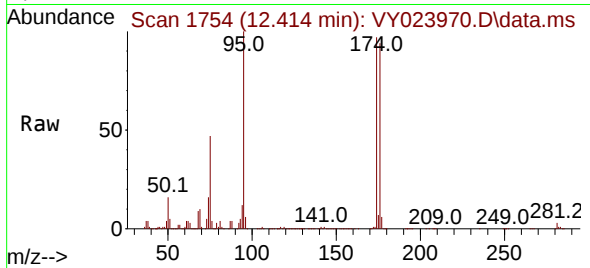




#81
trans-1,4-Dichloro-2-butene
Concen: 126.702 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.110 min
Lab File: VY023970.D
Acq: 15 Dec 2025 12:39

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-121225

Tgt Ion: 75 Resp: 197105
Ion Ratio Lower Upper
75 100
53 0.1 73.4 110.0#
89 0.0 38.9 58.3#



#95
Naphthalene
Concen: 1.309 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY023970.D
Acq: 15 Dec 2025 12:39

Tgt Ion: 128 Resp: 15198
Ion Ratio Lower Upper
128 100
127 17.5 10.2 15.2#
129 9.9 8.6 12.8

