

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023973.D
 Acq On : 15 Dec 2025 13:50
 Operator : SY/MD
 Sample : Q3859-01RE
 Misc : 6.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-121225RE

Quant Time: Dec 16 02:15:00 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)

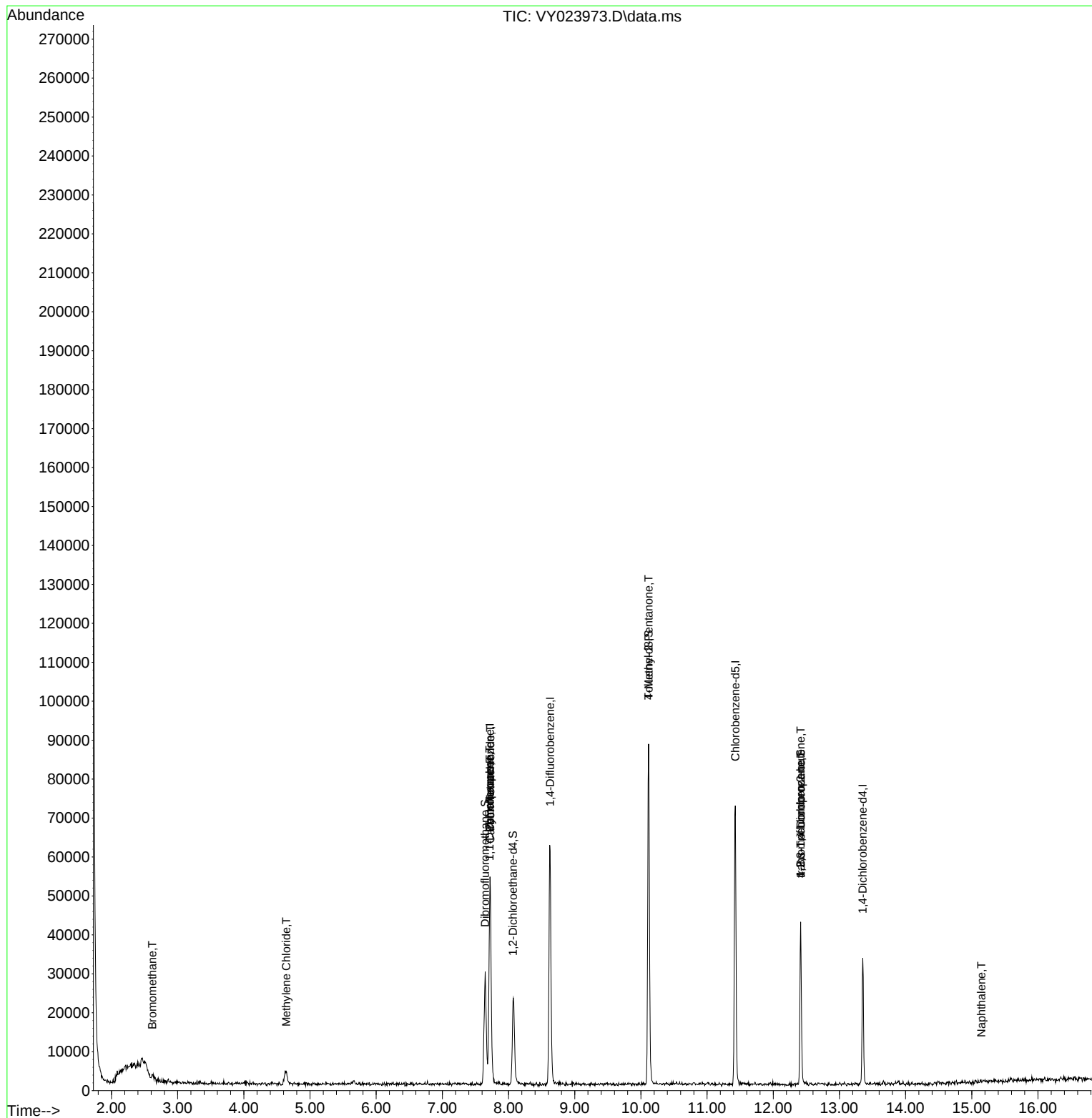
Internal Standards						
1) Pentafluorobenzene	7.719	168	45310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	58846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	43863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	9016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	18526	46.245	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 92.480%			
35) Dibromofluoromethane	7.646	113	20051	52.125	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.260%			
50) Toluene-d8	10.115	98	63021	44.004	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 88.000%			
62) 4-Bromofluorobenzene	12.414	95	12294	25.705	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 51.400%			
Target Compounds			Qvalue			
5) Bromomethane	2.617	94	997	2.348	ug/l	96
16) Acetone	3.873	43	437	Below Cal	#	42
20) Methylene Chloride	4.641	84	2594	5.504	ug/l #	79
31) Cyclohexane	7.719	56	857	1.247	ug/l #	12
36) 1,1-Dichloropropene	7.713	75	3210	6.130	ug/l #	42
38) Carbon Tetrachloride	7.726	117	3917	6.171	ug/l #	16
51) 4-Methyl-2-Pentanone	10.115	43	289	1.358	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	5489	71.972	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	5489	163.825	ug/l #	13
95) Naphthalene	15.145	128	404	1.616	ug/l #	70

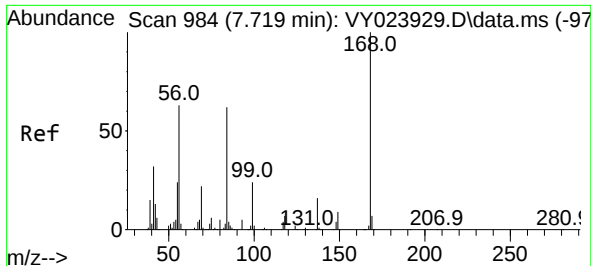
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 02:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 11 03:57:51 2025
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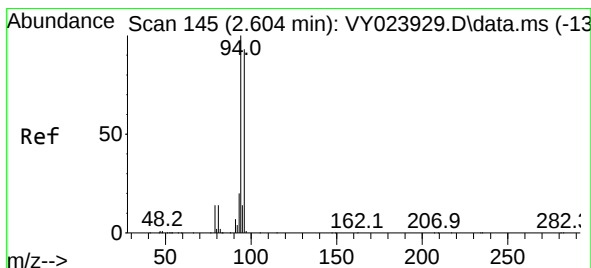
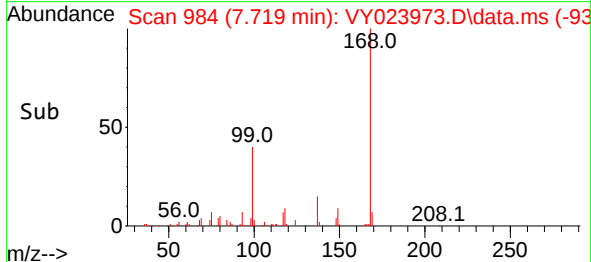
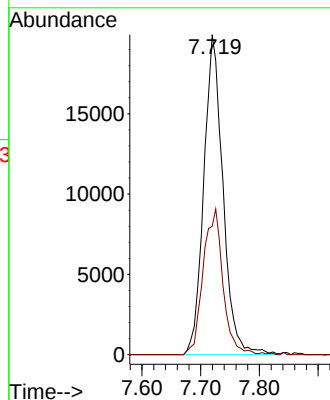
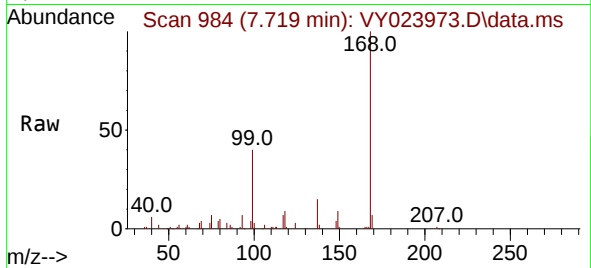




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

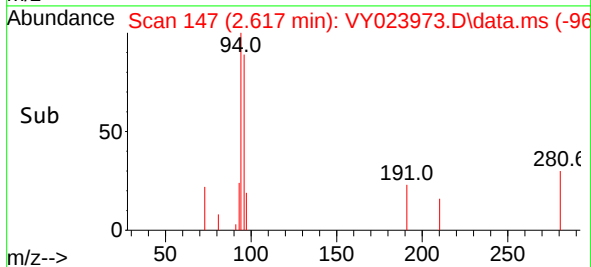
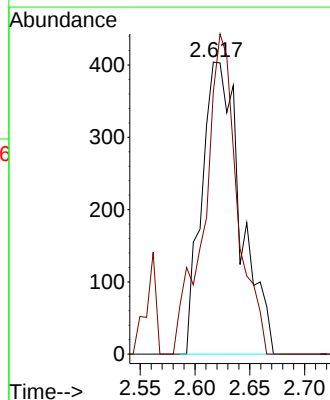
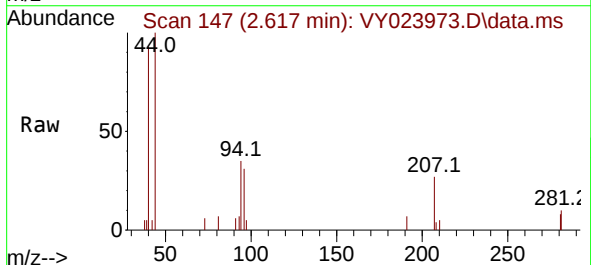
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-121225RE

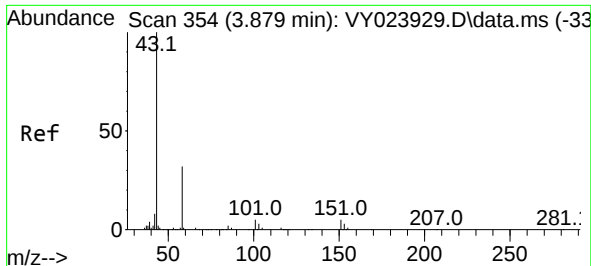
Tgt Ion:168 Resp: 45310
Ion Ratio Lower Upper
168 100
99 40.1 38.9 58.3



#5
Bromomethane
Concen: 2.348 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.012 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

Tgt Ion: 94 Resp: 997
Ion Ratio Lower Upper
94 100
96 89.9 74.8 112.2





#16

Acetone

Concen: Below Cal

RT: 3.873 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY023973.D

Acq: 15 Dec 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

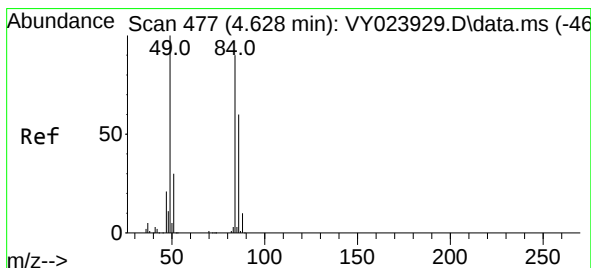
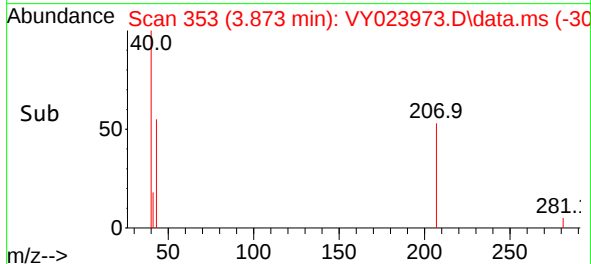
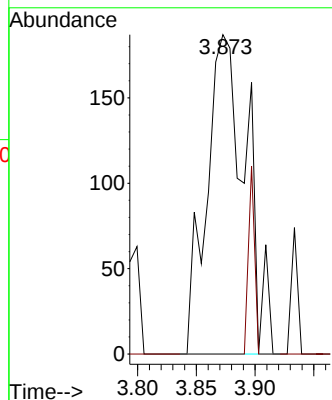
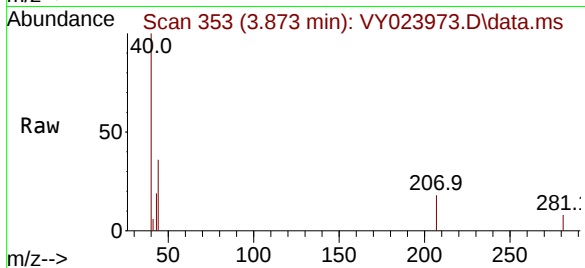
HD-02-121225RE

Tgt Ion: 43 Resp: 437

Ion Ratio Lower Upper

43 100

58 0.0 26.4 39.6#



#20

Methylene Chloride

Concen: 5.504 ug/l

RT: 4.641 min Scan# 479

Delta R.T. 0.012 min

Lab File: VY023973.D

Acq: 15 Dec 2025 13:50

Tgt Ion: 84 Resp: 2594

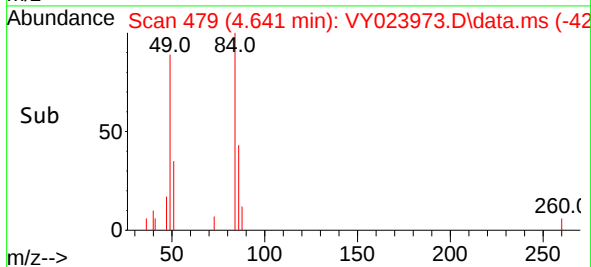
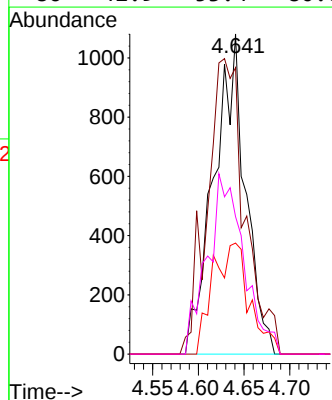
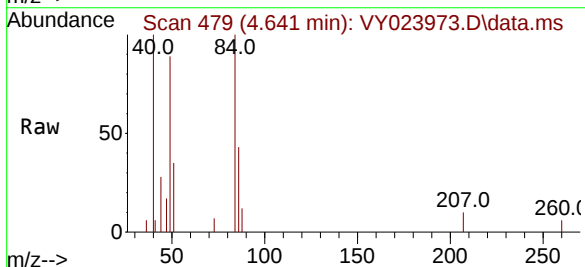
Ion Ratio Lower Upper

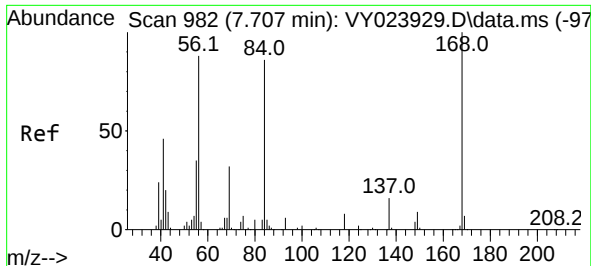
84 100

49 89.5 89.1 133.7

51 34.7 26.6 39.8

86 42.9 53.4 80.0#

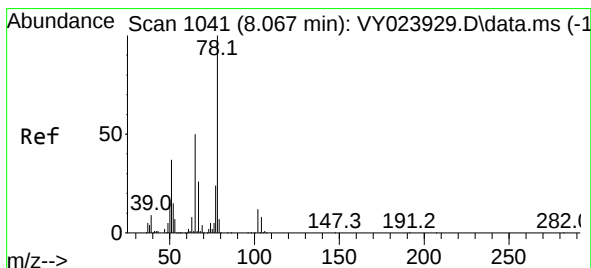
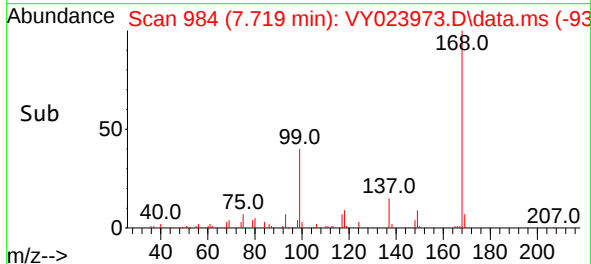
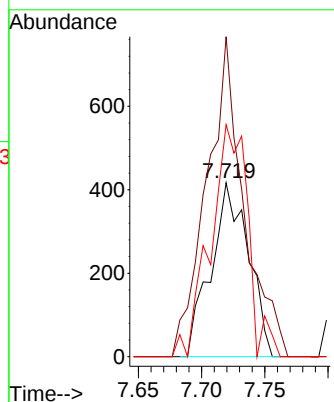
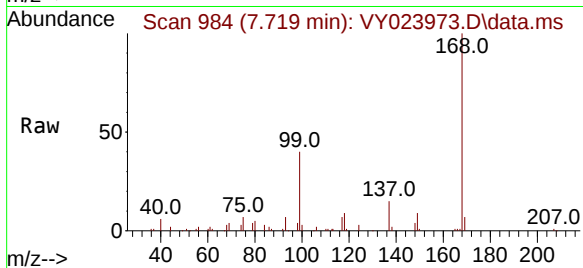




#31
Cyclohexane
Concen: 1.247 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

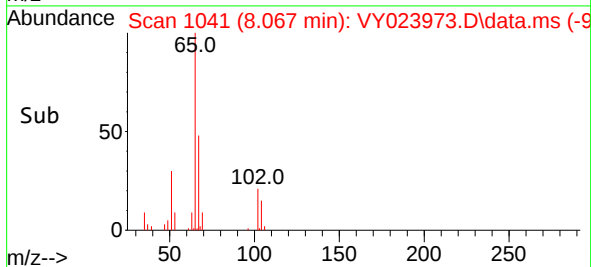
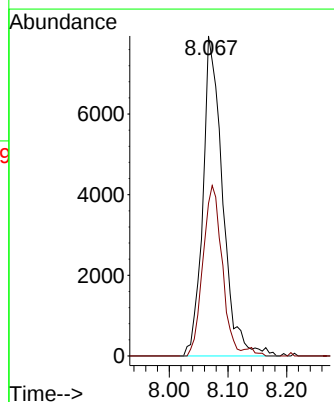
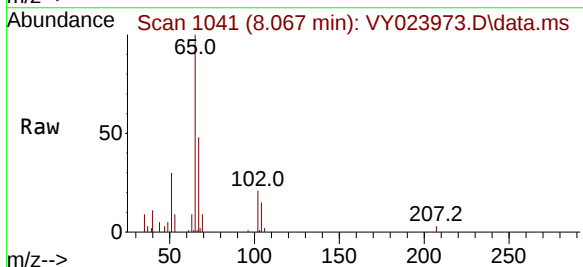
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-121225RE

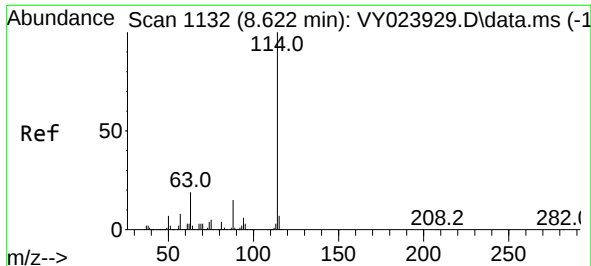
Tgt Ion: 56 Resp: 857
Ion Ratio Lower Upper
56 100
69 169.1 29.1 43.7#
84 133.3 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 46.245 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

Tgt Ion: 65 Resp: 18526
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.2

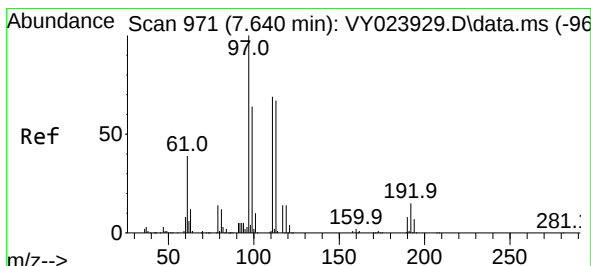
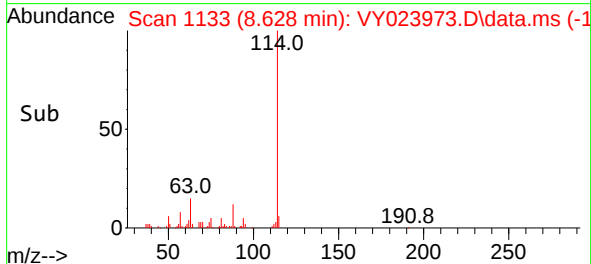
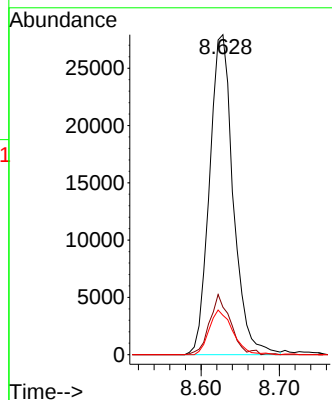
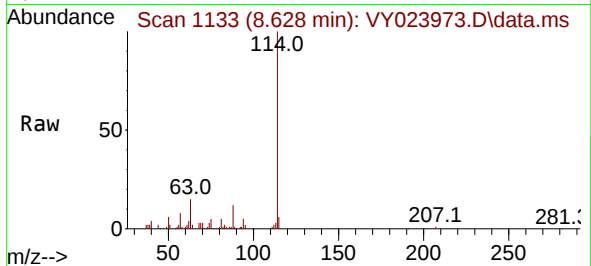




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

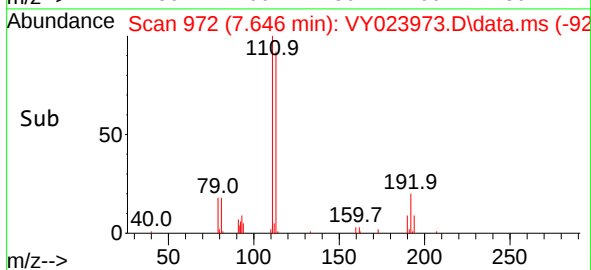
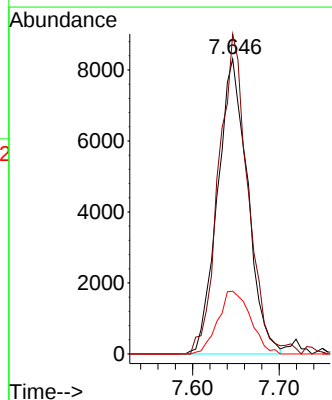
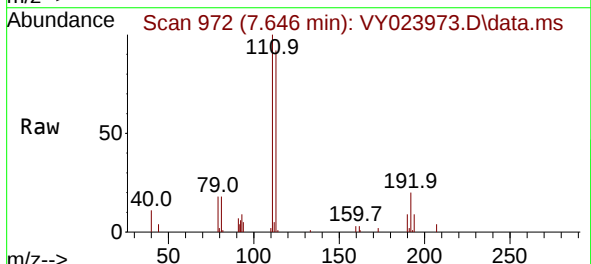
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-121225RE

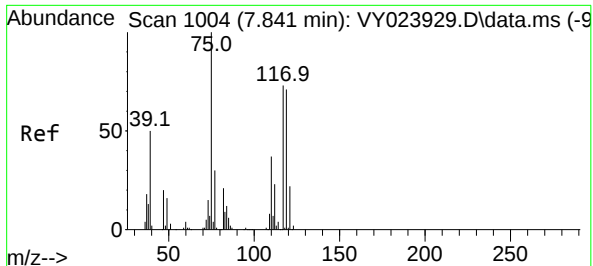
Tgt Ion:	114	Resp:	58846
Ion Ratio	Lower	Upper	
114	100		
63	14.8	0.0	37.2
88	12.3	0.0	29.4



#35
Dibromofluoromethane
Concen: 52.125 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

Tgt Ion:	113	Resp:	20051
Ion Ratio	Lower	Upper	
113	100		
111	105.6	82.4	123.6
192	23.0	17.9	26.9





#36

1,1-Dichloropropene

Concen: 6.130 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023973.D

Acq: 15 Dec 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-121225RE

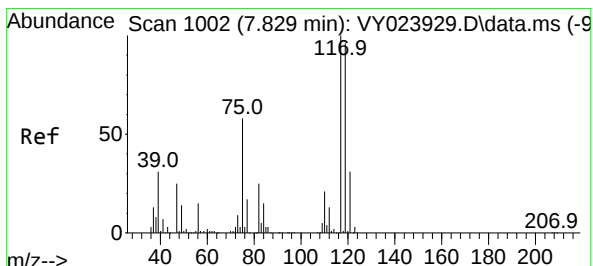
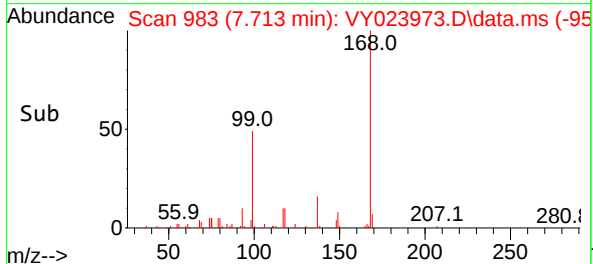
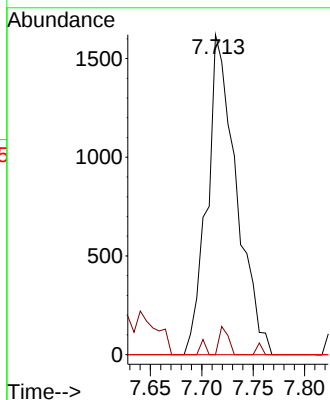
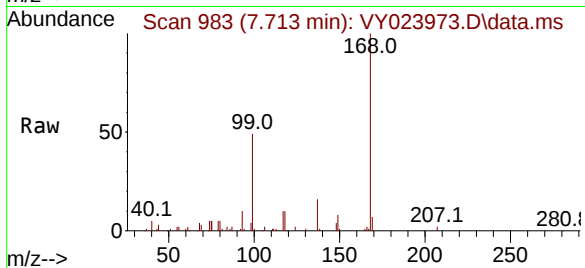
Tgt Ion: 75 Resp: 3210

Ion Ratio Lower Upper

75 100

110 2.7 19.2 57.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.171 ug/l

RT: 7.726 min Scan# 985

Delta R.T. -0.104 min

Lab File: VY023973.D

Acq: 15 Dec 2025 13:50

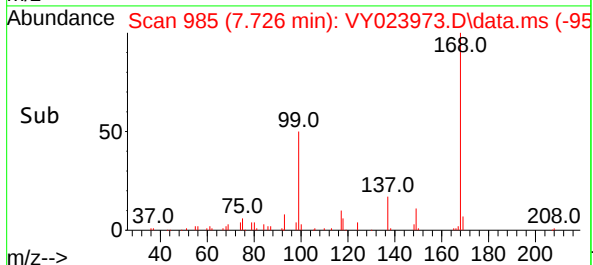
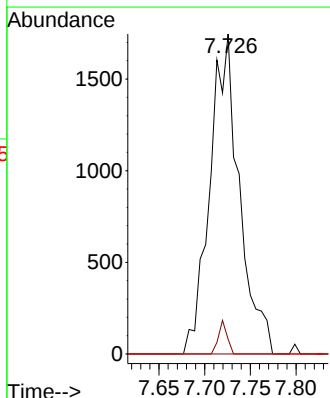
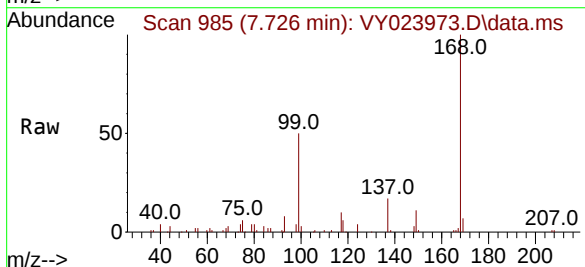
Tgt Ion: 117 Resp: 3917

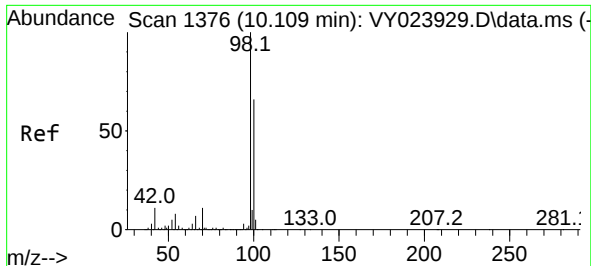
Ion Ratio Lower Upper

117 100

119 4.6 76.6 114.8#

121 0.0 24.8 37.2#

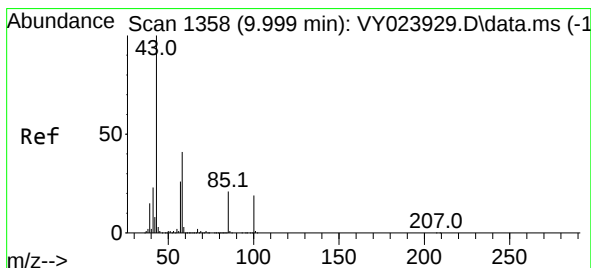
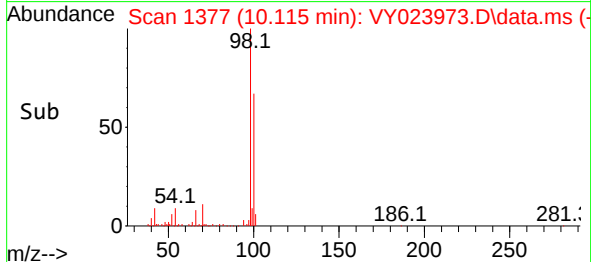
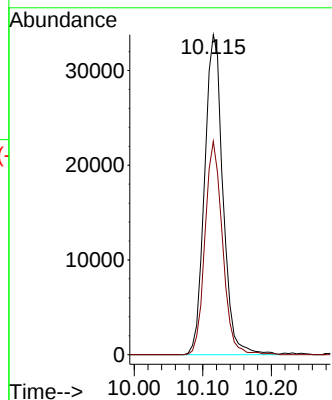
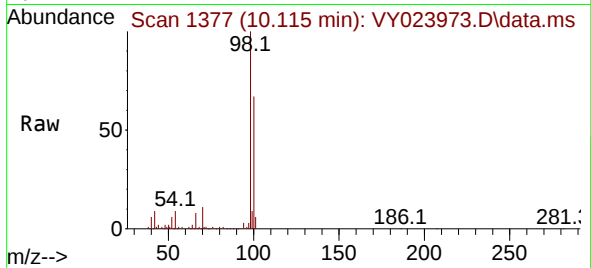




#50
Toluene-d8
Concen: 44.004 ug/l
RT: 10.115 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

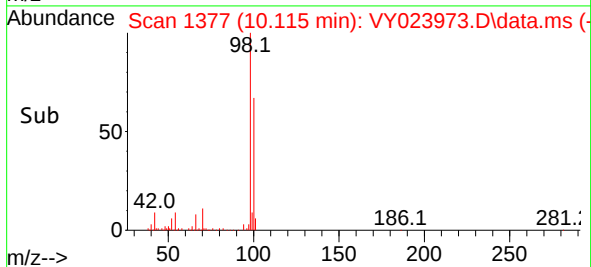
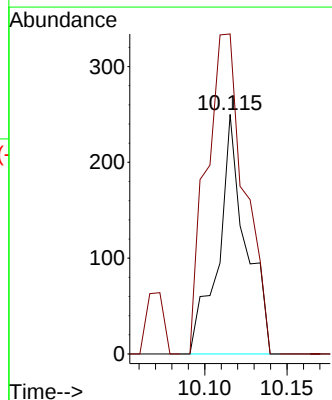
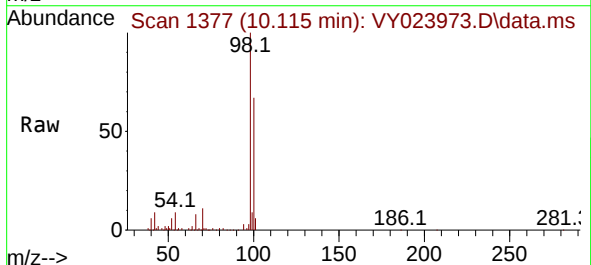
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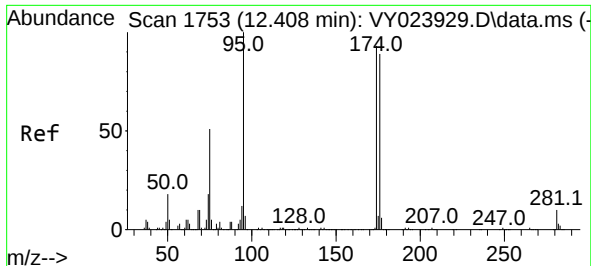
Tgt Ion: 98 Resp: 63021
Ion Ratio Lower Upper
98 100
100 63.7 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.358 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.116 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
58 187.2 33.1 49.7#

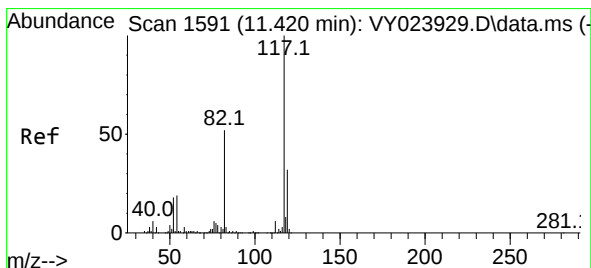
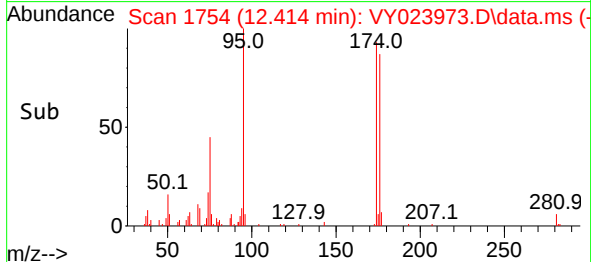
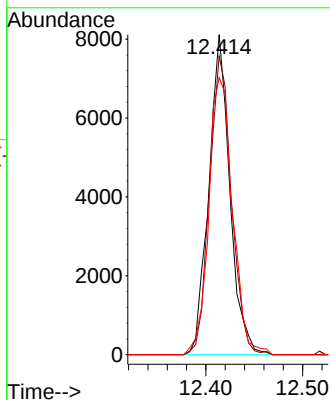
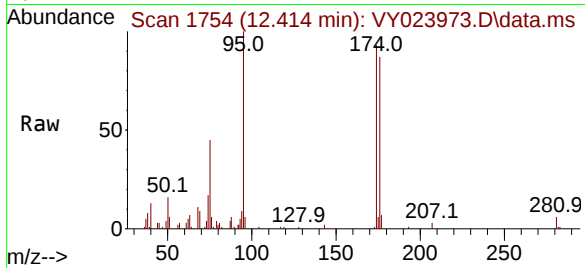




#62
4-Bromofluorobenzene
Concen: 25.705 ug/l
RT: 12.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

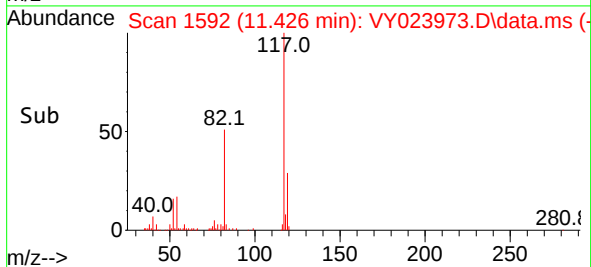
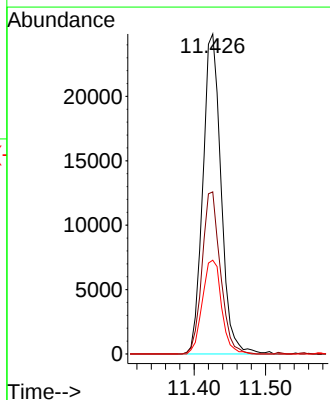
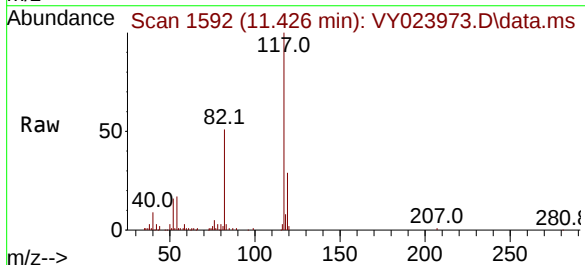
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-121225RE

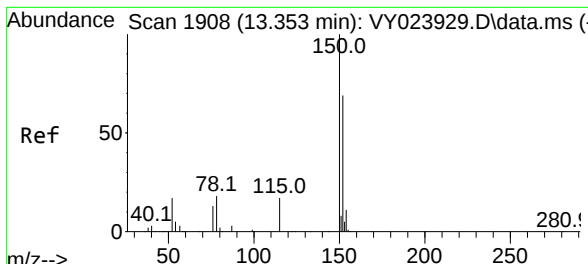
Tgt Ion:	95	Resp:	12294
Ion	Ratio	Lower	Upper
95	100		
174	97.6	0.0	187.4
176	97.8	0.0	179.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

Tgt Ion:	117	Resp:	43863
Ion	Ratio	Lower	Upper
117	100		
82	50.7	41.4	62.2
119	29.3	25.5	38.3

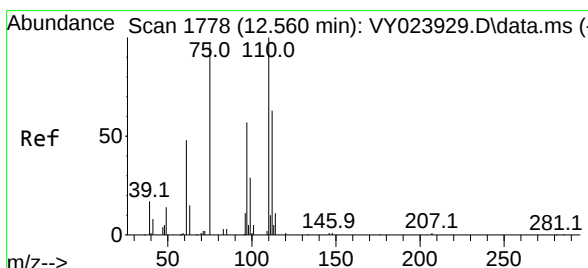
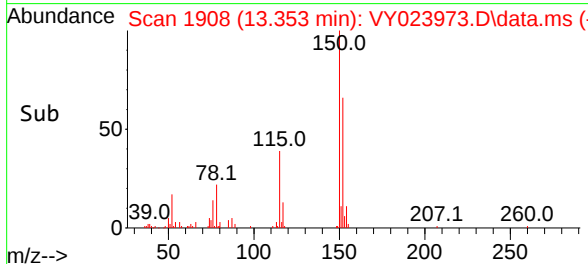
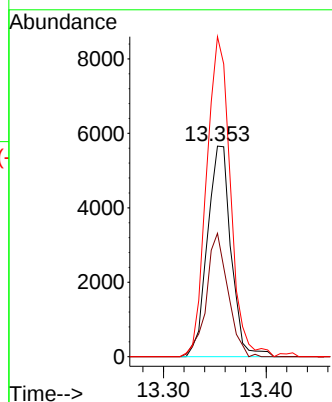
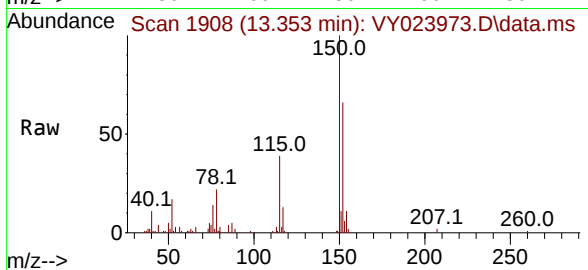




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VY023973.D
 Acq: 15 Dec 2025 13:50

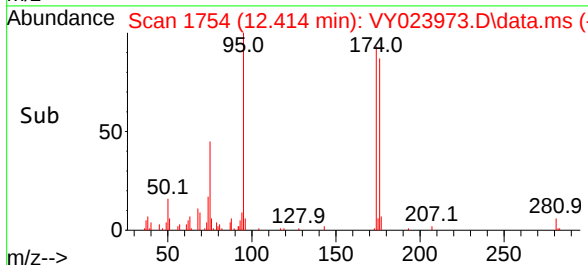
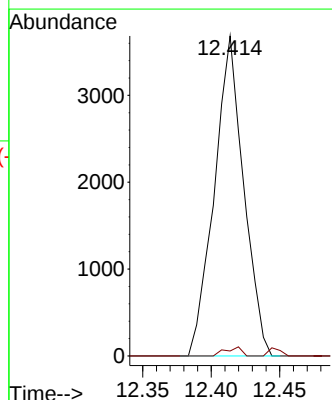
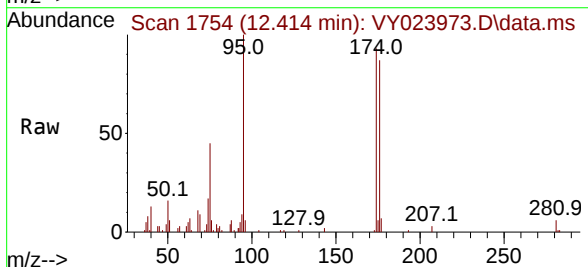
Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-121225RE

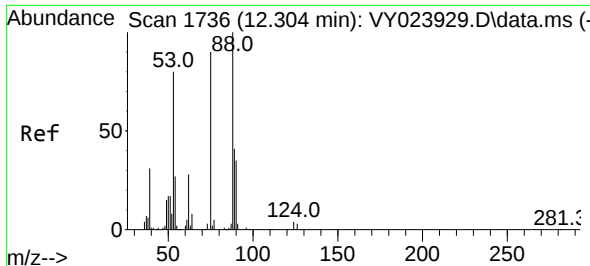
Tgt Ion:	152	Resp:	9016
Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.3	81.9
150	153.4	0.0	347.6



#76
 1,2,3-Trichloropropane
 Concen: 71.972 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.146 min
 Lab File: VY023973.D
 Acq: 15 Dec 2025 13:50

Tgt Ion:	75	Resp:	5489
Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#

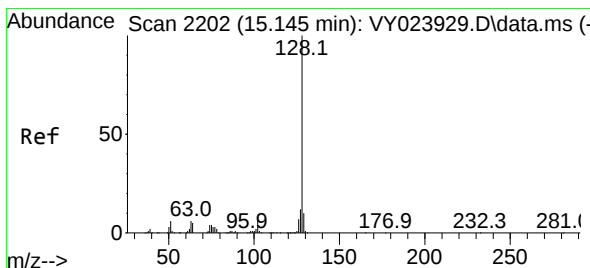
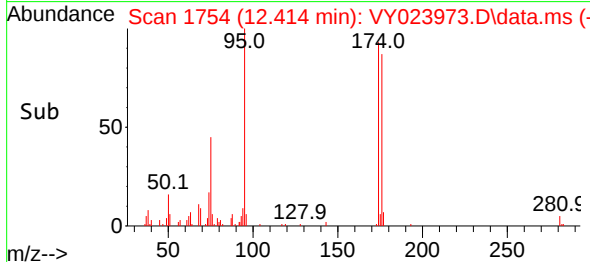
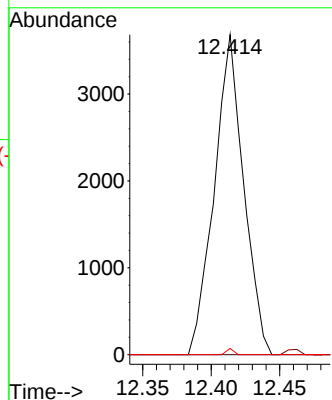
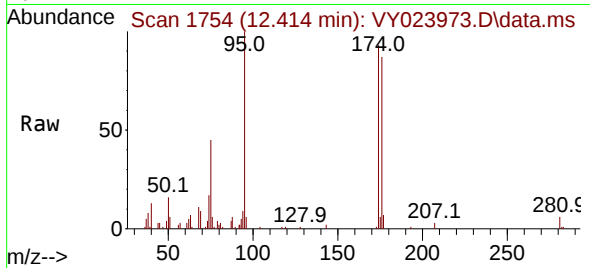




#81
trans-1,4-Dichloro-2-butene
Concen: 163.825 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.110 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-121225RE

Tgt Ion: 75 Resp: 5489
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.5 38.9 58.3#



#95
Naphthalene
Concen: 1.616 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

Tgt Ion: 128 Resp: 404
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 12.8#

