

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023742.D
 Acq On : 11 Nov 2025 16:01
 Operator : SY/MD
 Sample : Q3588-01
 Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-06-11072025

Quant Time: Nov 12 03:38:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

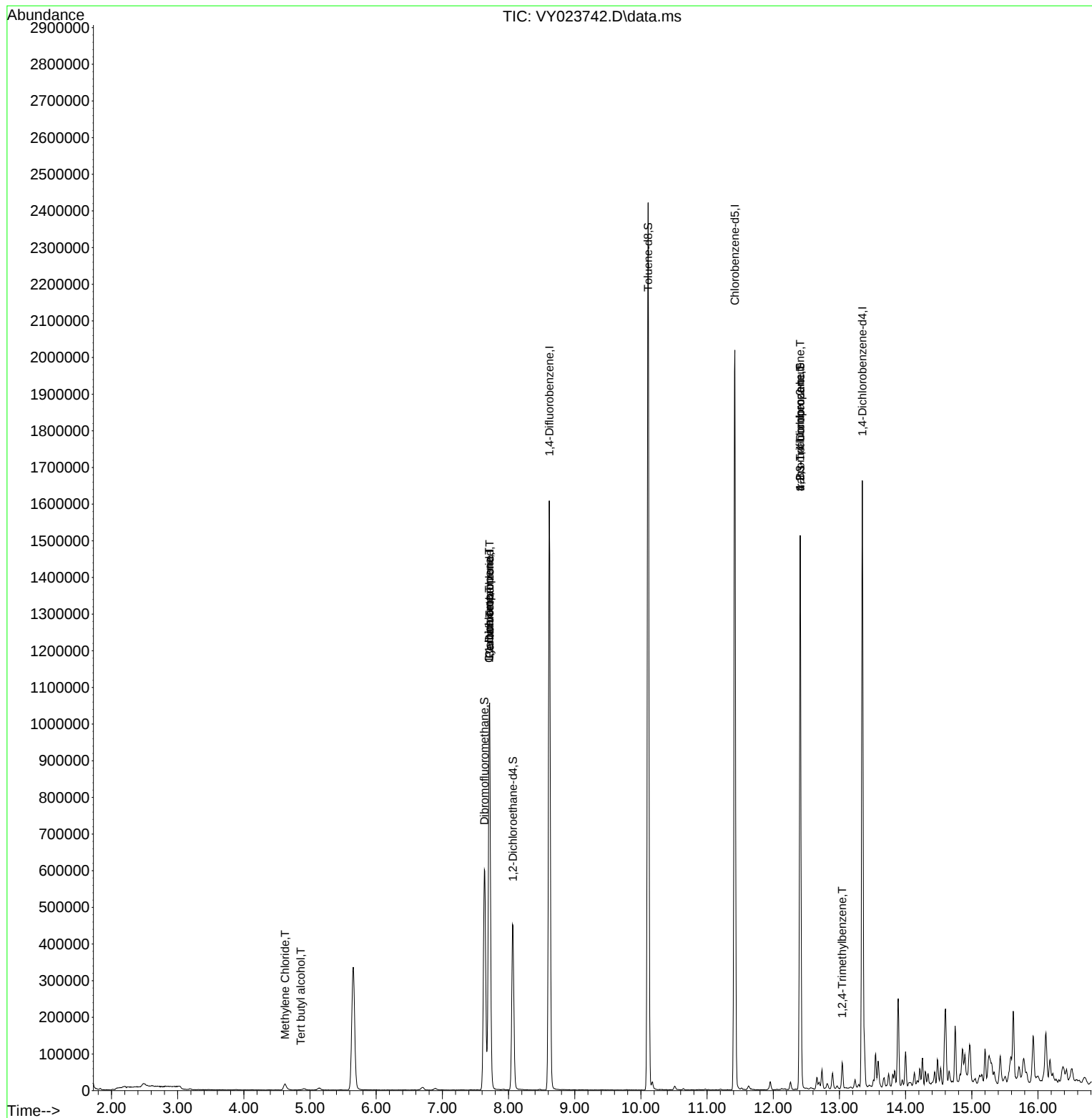
Internal Standards						
1) Pentafluorobenzene	7.713	168	899010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1459799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1164791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	442249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	354217	47.118	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.240%
35) Dibromofluoromethane	7.634	113	440746	49.137	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.280%
50) Toluene-d8	10.109	98	1601039	47.929	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.860%
62) 4-Bromofluorobenzene	12.408	95	436426	39.573	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.140%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	1100	1.967	ug/l #	72
20) Methylene Chloride	4.622	84	12756	1.318	ug/l	96
31) Cyclohexane	7.707	56	14484	1.158	ug/l #	2
36) 1,1-Dichloropropene	7.707	75	56230	4.735	ug/l #	48
38) Carbon Tetrachloride	7.713	117	82018	5.696	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	207469	53.172	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	207469	130.389	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.042	105	37685	1.603	ug/l	97

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

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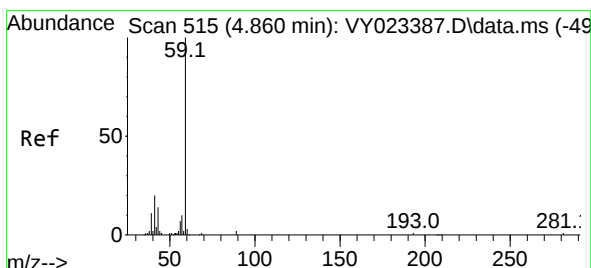
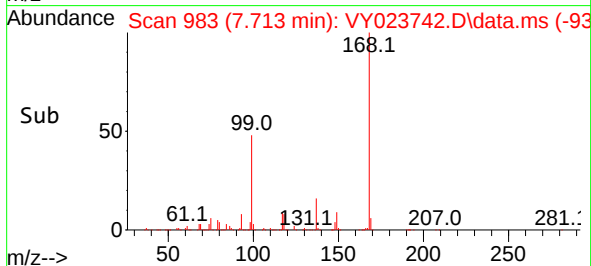
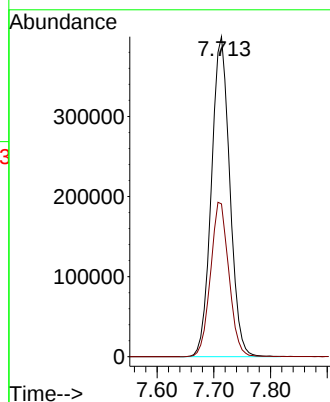
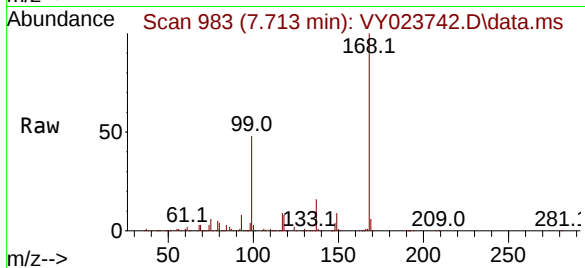




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023742.D
Acq: 11 Nov 2025 16:01

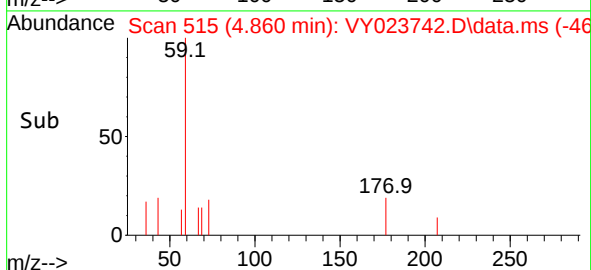
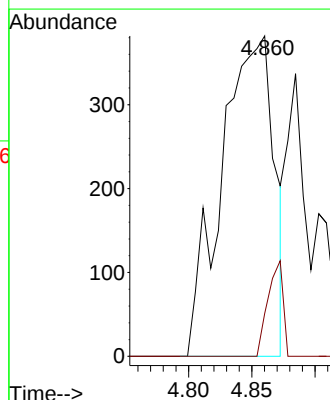
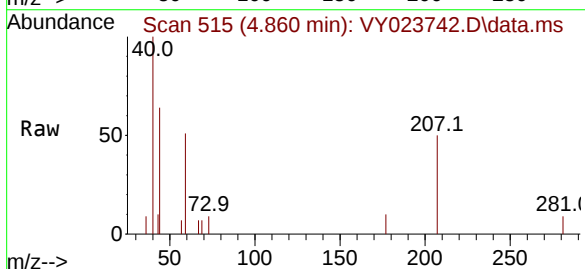
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-11072025

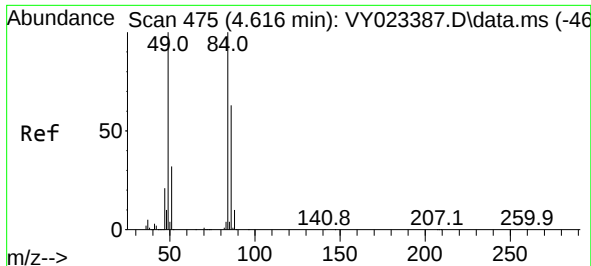
Tgt Ion:168 Resp: 899010
Ion Ratio Lower Upper
168 100
99 47.8 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.967 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY023742.D
Acq: 11 Nov 2025 16:01

Tgt Ion: 59 Resp: 1100
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

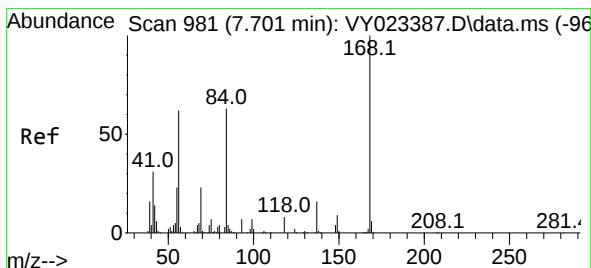
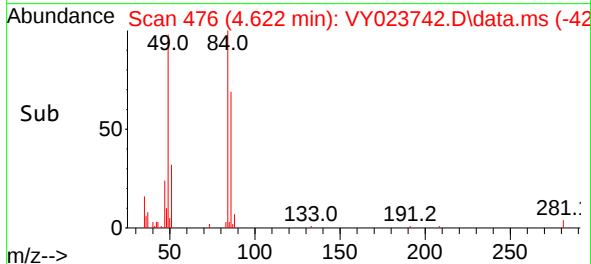
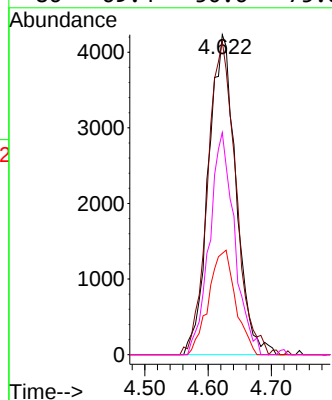
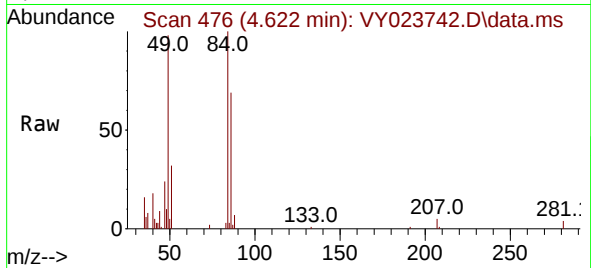




#20
Methylene Chloride
Concen: 1.318 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023742.D
Acq: 11 Nov 2025 16:01

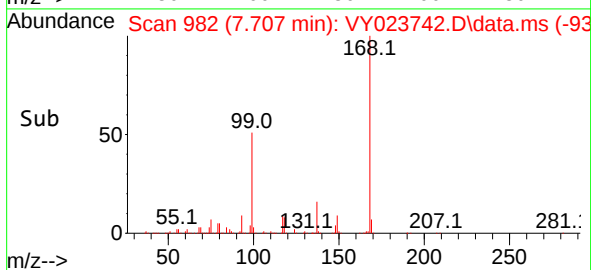
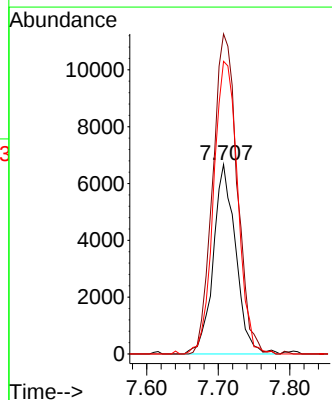
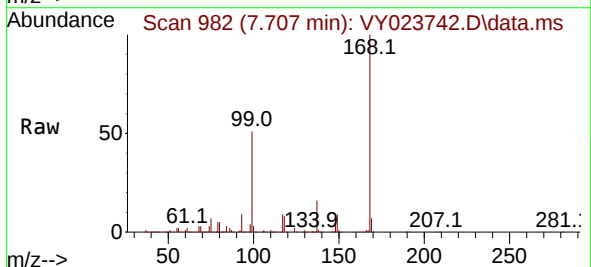
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-11072025

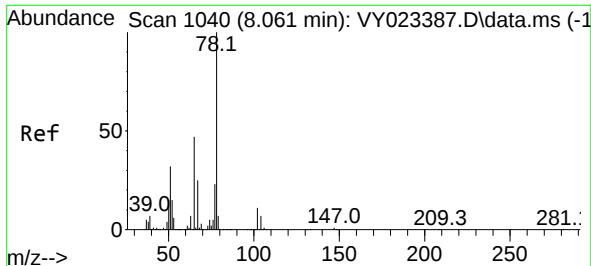
Tgt Ion:	84	Resp:	12756
Ion	Ratio	Lower	Upper
84	100		
49	97.9	80.2	120.4
51	31.7	25.9	38.9
86	69.4	50.6	75.8



#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023742.D
Acq: 11 Nov 2025 16:01

Tgt Ion:	56	Resp:	14484
Ion	Ratio	Lower	Upper
56	100		
69	168.9	30.0	45.0#
84	154.5	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 47.118 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023742.D

Acq: 11 Nov 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

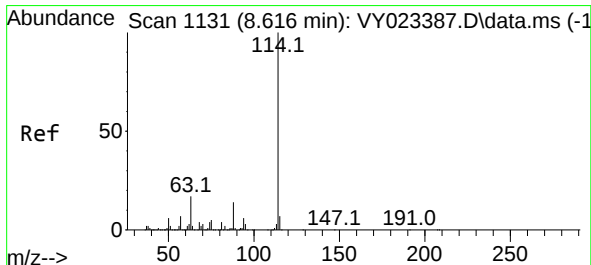
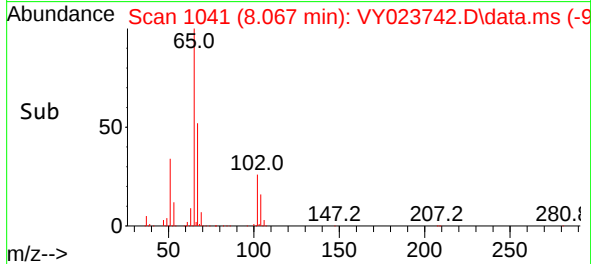
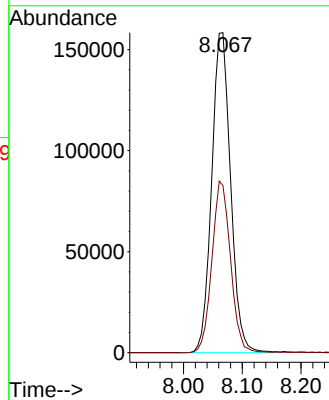
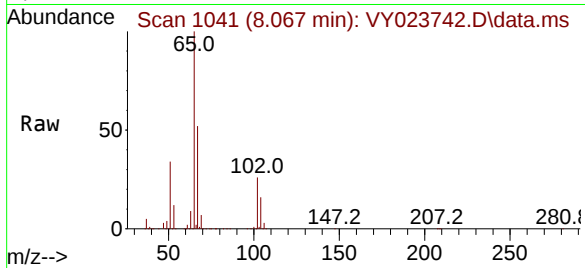
TR-06-11072025

Tgt Ion: 65 Resp: 354217

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023742.D

Acq: 11 Nov 2025 16:01

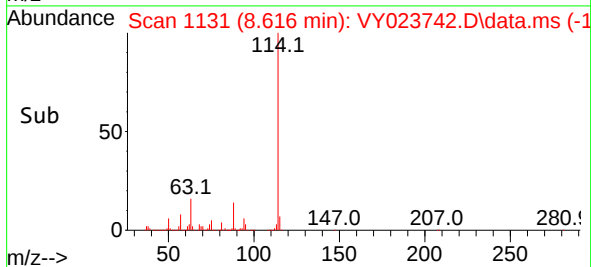
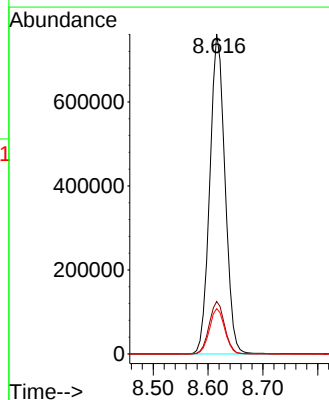
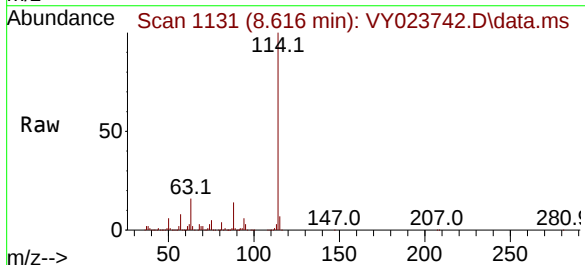
Tgt Ion: 114 Resp: 1459799

Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.2

88 14.1 0.0 28.4

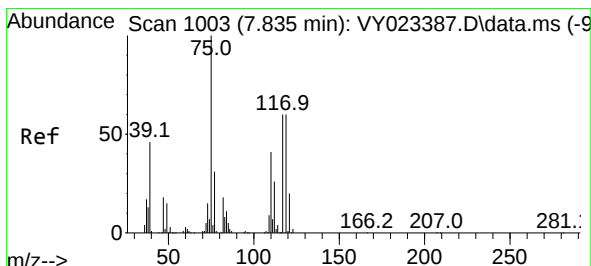
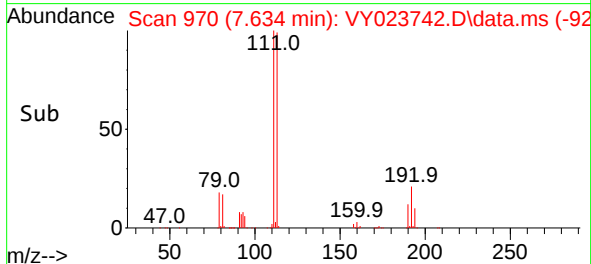
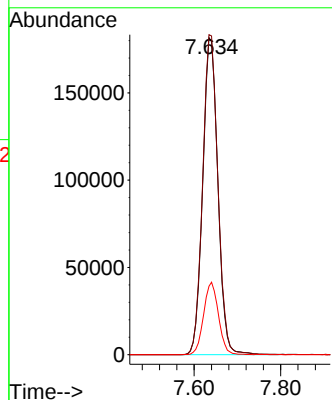
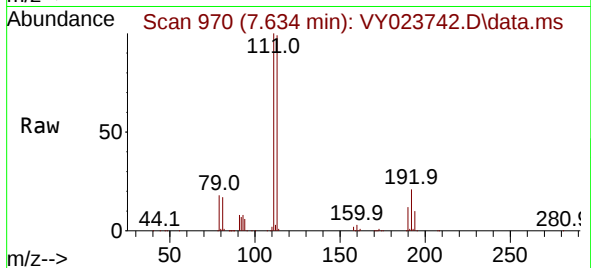




#35
Dibromofluoromethane
Concen: 49.137 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023742.D
Acq: 11 Nov 2025 16:01

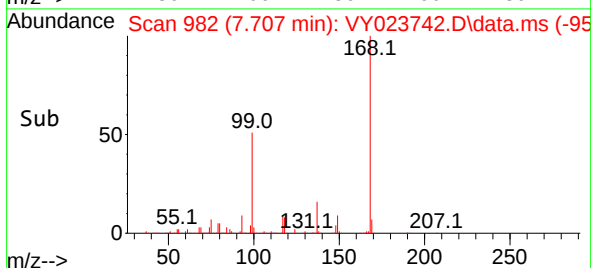
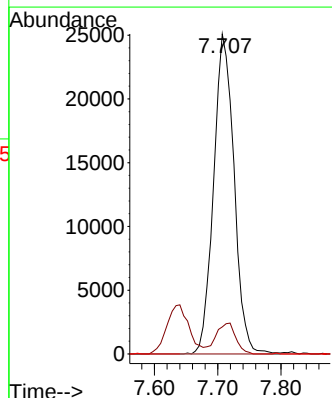
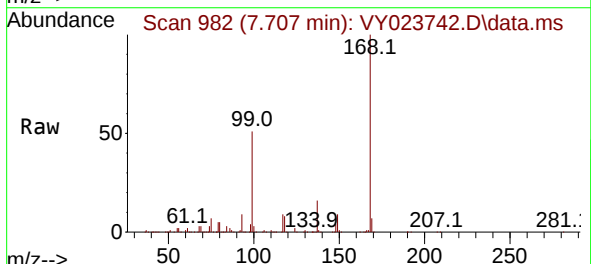
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-11072025

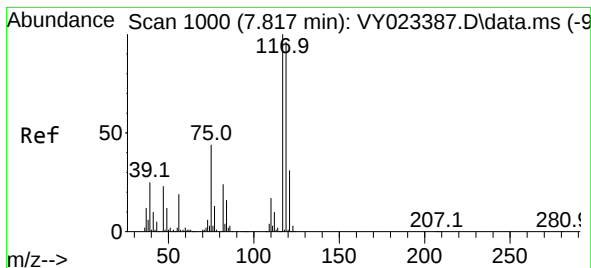
Tgt Ion:113 Resp: 440746
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.6
192 22.4 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.735 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023742.D
Acq: 11 Nov 2025 16:01

Tgt Ion: 75 Resp: 56230
Ion Ratio Lower Upper
75 100
110 9.5 19.9 59.7#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.696 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY023742.D

Acq: 11 Nov 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-11072025

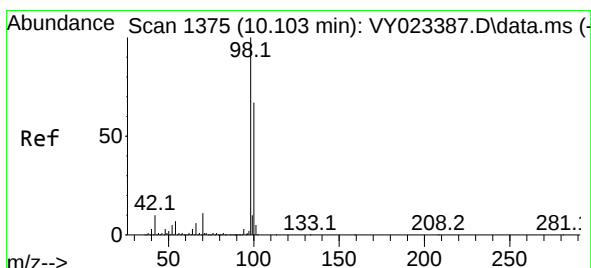
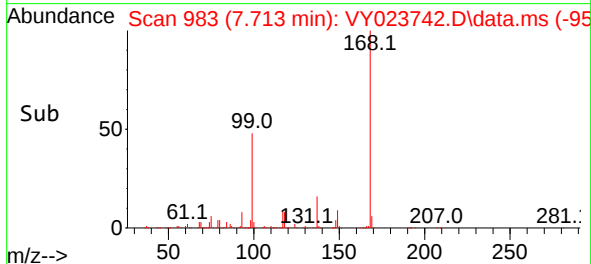
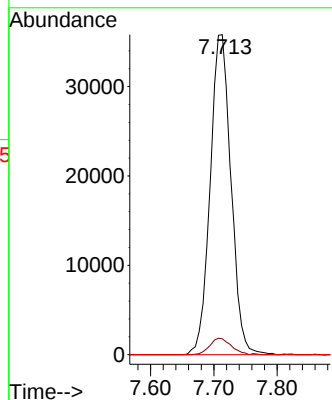
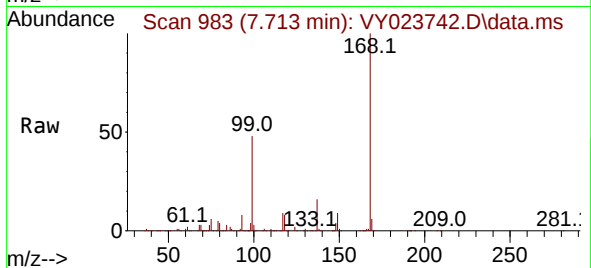
Tgt Ion:117 Resp: 82018

Ion Ratio Lower Upper

117 100

119 5.0 76.8 115.2#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 47.929 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023742.D

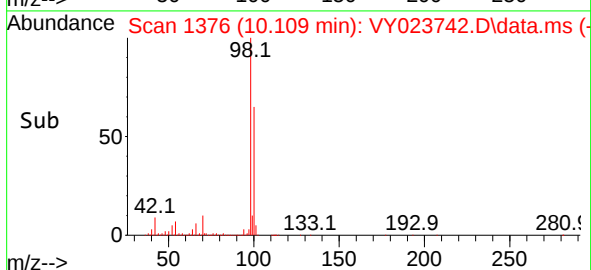
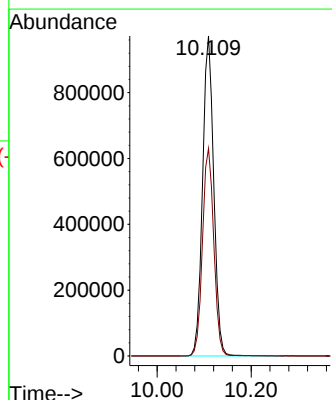
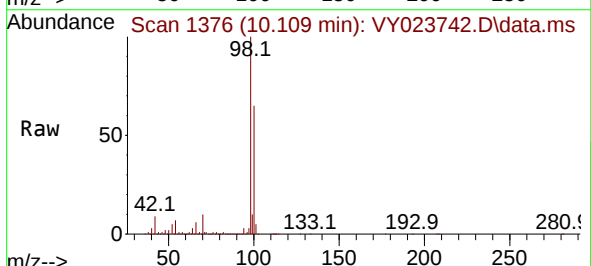
Acq: 11 Nov 2025 16:01

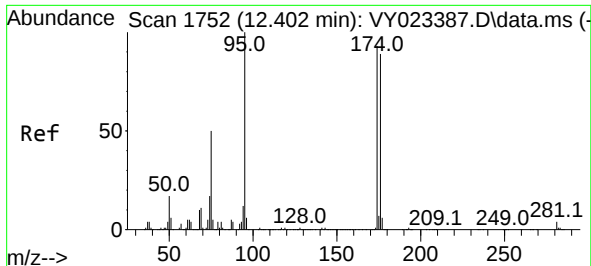
Tgt Ion: 98 Resp: 1601039

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.4

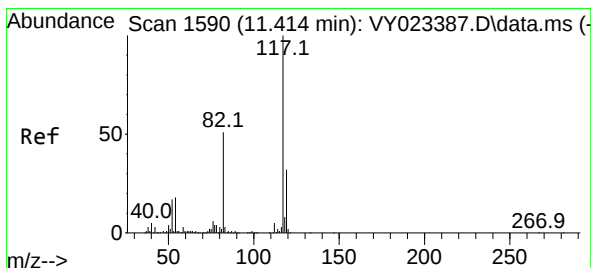
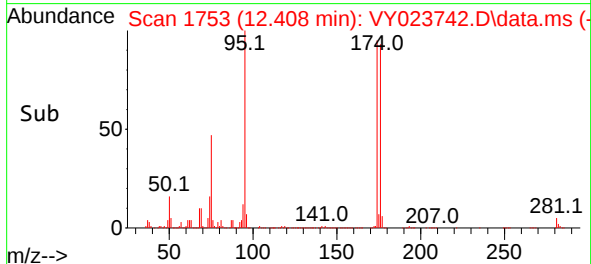
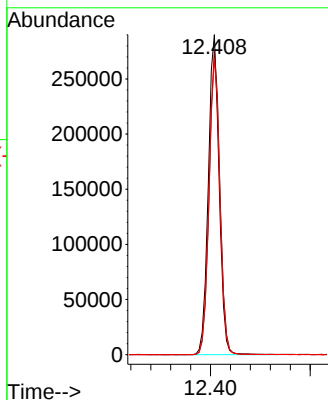
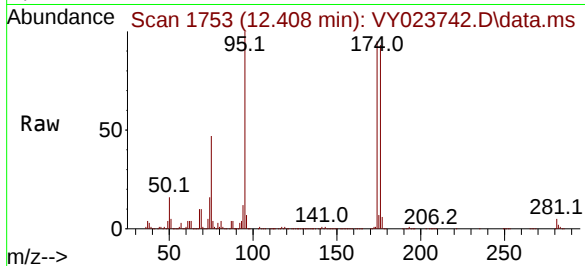




#62
4-Bromofluorobenzene
Concen: 39.573 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023742.D
Acq: 11 Nov 2025 16:01

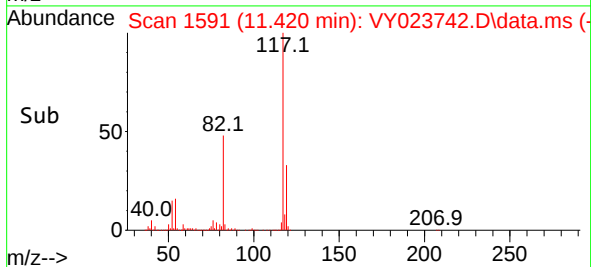
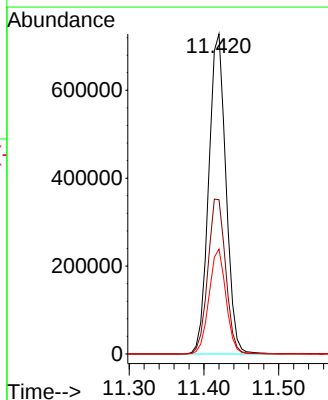
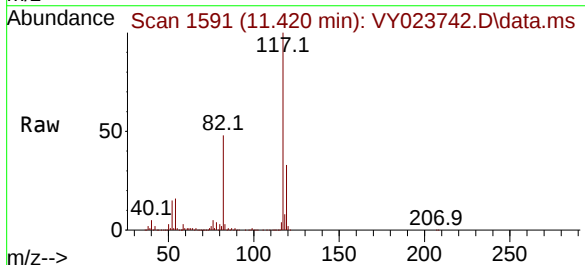
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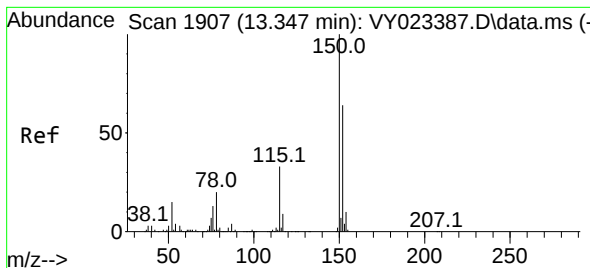
Tgt Ion: 95 Resp: 436426
Ion Ratio Lower Upper
95 100
174 95.3 0.0 192.8
176 92.9 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023742.D
Acq: 11 Nov 2025 16:01

Tgt Ion: 117 Resp: 1164791
Ion Ratio Lower Upper
117 100
82 48.2 41.0 61.4
119 32.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023742.D

Acq: 11 Nov 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-11072025

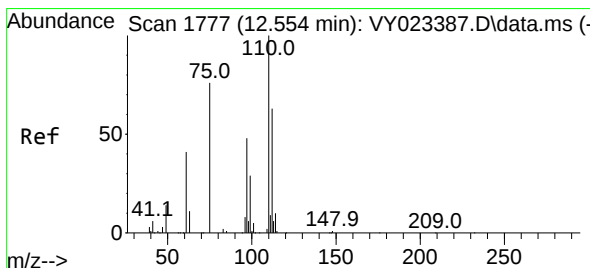
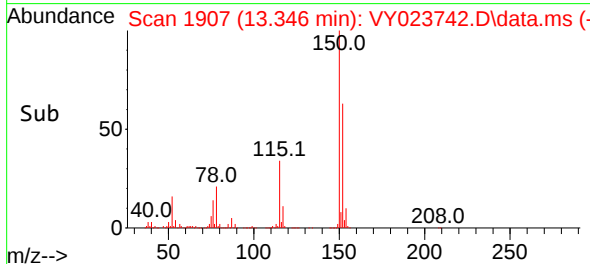
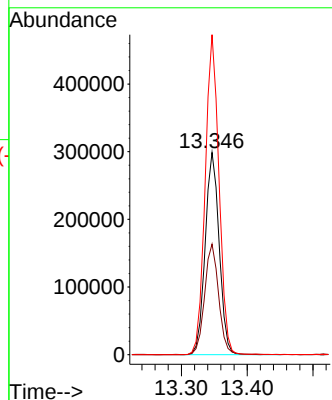
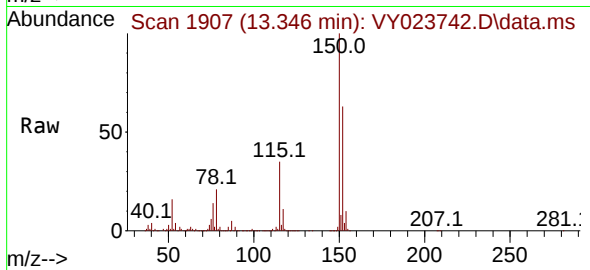
Tgt Ion:152 Resp: 442249

Ion Ratio Lower Upper

152 100

115 54.9 27.1 81.2

150 156.2 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 53.172 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023742.D

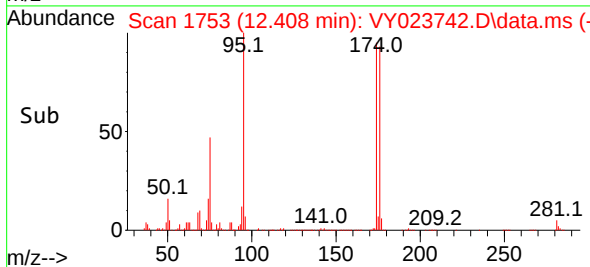
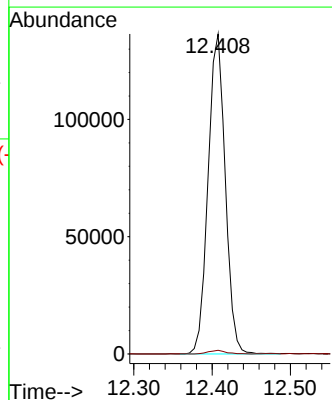
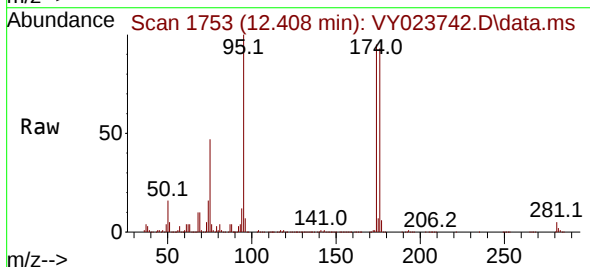
Acq: 11 Nov 2025 16:01

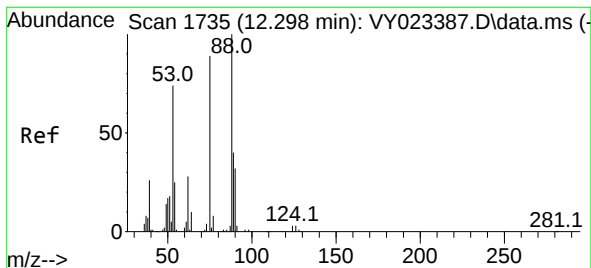
Tgt Ion: 75 Resp: 207469

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

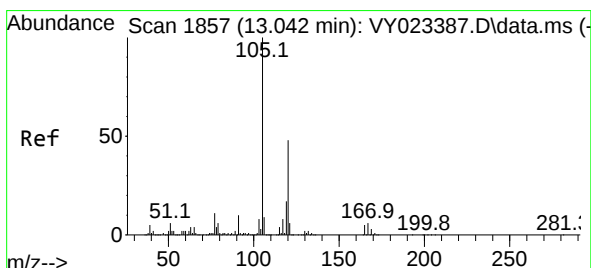
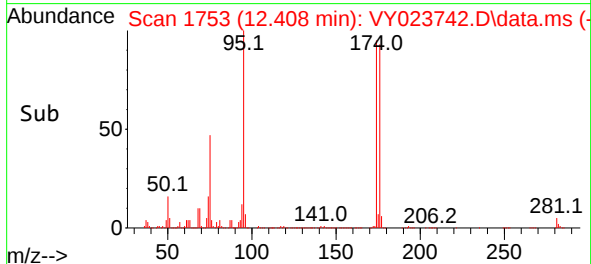
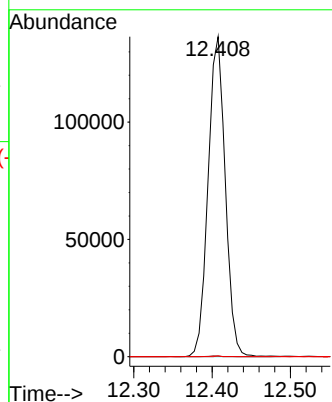
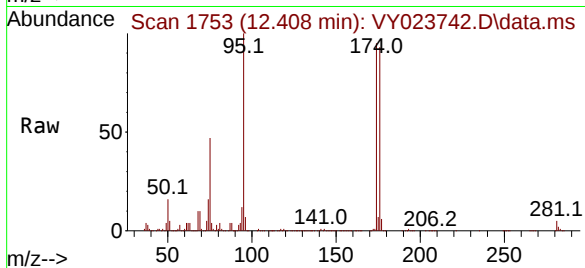




#81
trans-1,4-Dichloro-2-butene
Concen: 130.389 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023742.D
Acq: 11 Nov 2025 16:01

Instrument :
MSVOA_Y
ClientSampleId :
TR-06-11072025

Tgt Ion: 75 Resp: 207469
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.1 39.0 58.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.603 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023742.D
Acq: 11 Nov 2025 16:01

Tgt Ion: 105 Resp: 37685
Ion Ratio Lower Upper
105 100
120 49.4 23.8 71.2

