

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023582.D
 Acq On : 24 Oct 2025 18:44
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Oct 24 23:58:42 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)

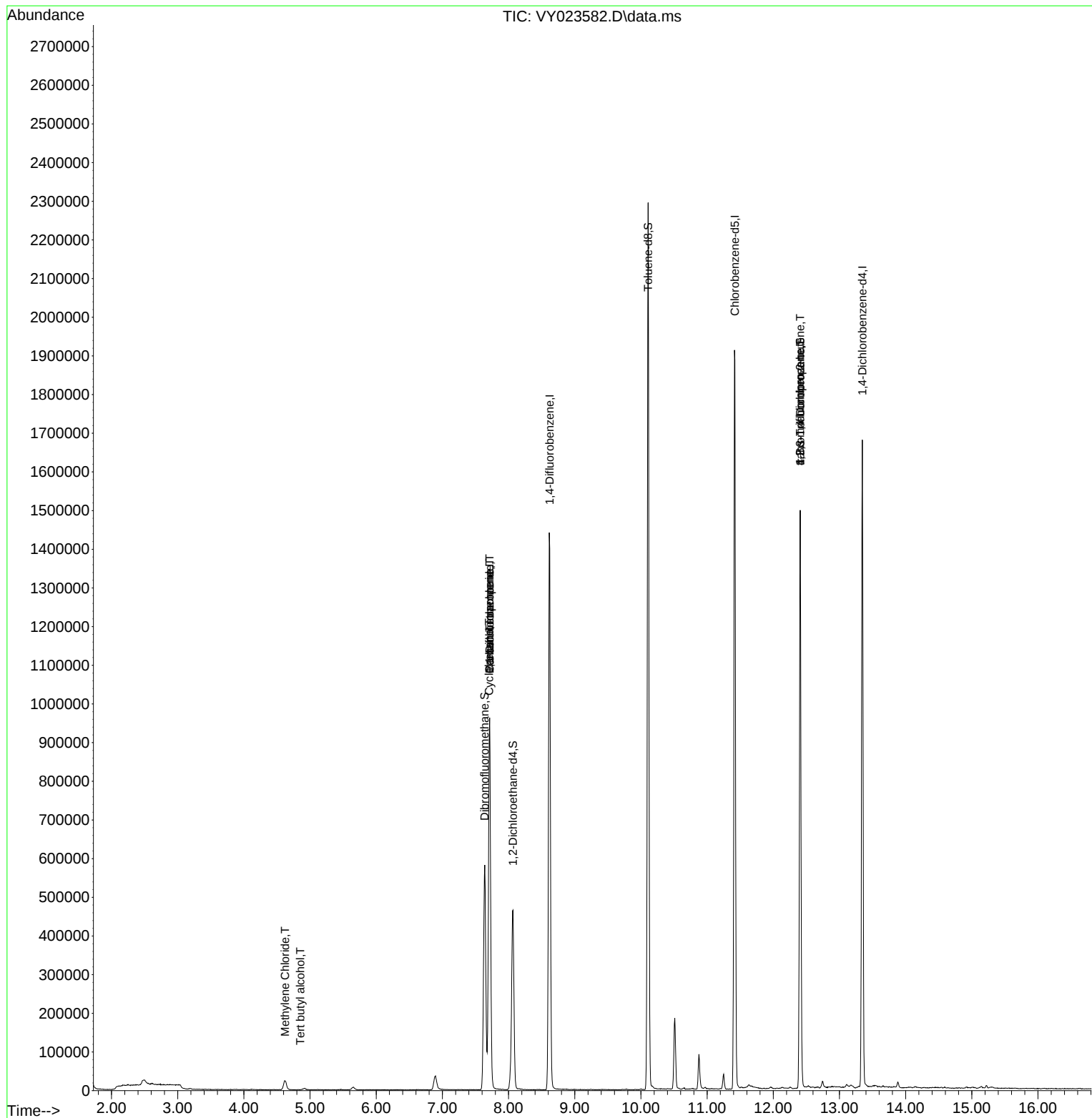
Internal Standards						
1) Pentafluorobenzene	7.713	168	818077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	1345692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1119620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	459952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	343077	50.151	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.300%	
35) Dibromofluoromethane	7.640	113	410744	49.675	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.340%	
50) Toluene-d8	10.109	98	1495302	48.559	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.120%	
62) 4-Bromofluorobenzene	12.407	95	425353	41.839	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.680%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	641	1.260	ug/l #	72
20) Methylene Chloride	4.622	84	19676	2.234	ug/l	94
31) Cyclohexane	7.707	56	12975	1.140	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	50973	4.656	ug/l #	47
38) Carbon Tetrachloride	7.713	117	72997	5.499	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	206377	50.857	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	206377	124.710	ug/l #	15

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

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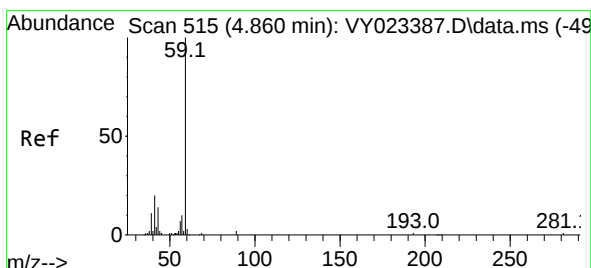
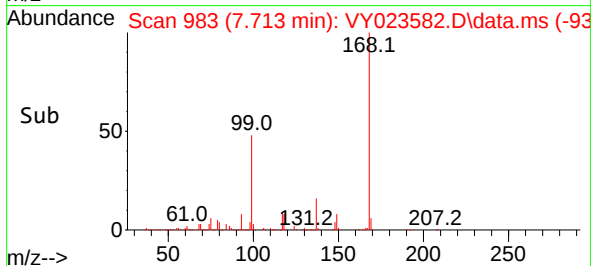
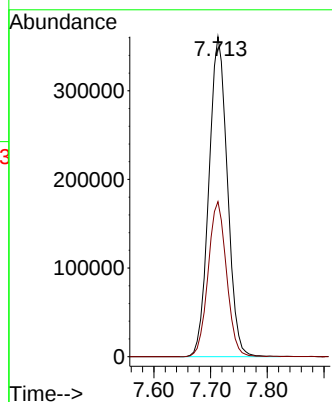
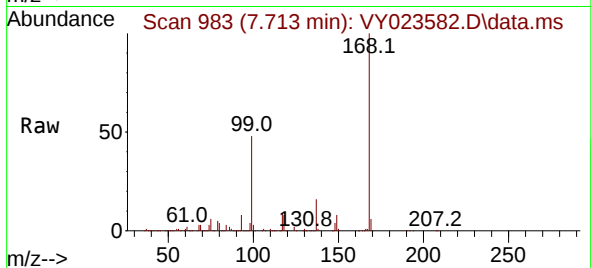




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023582.D
Acq: 24 Oct 2025 18:44

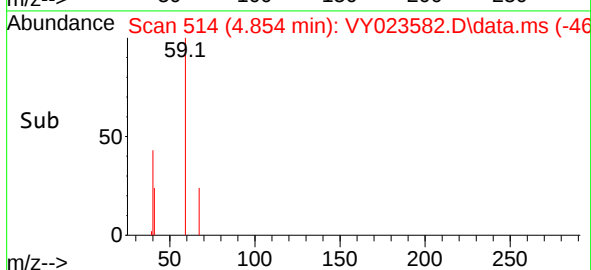
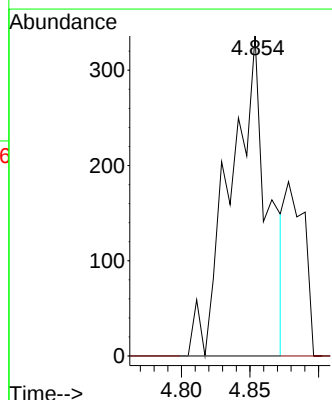
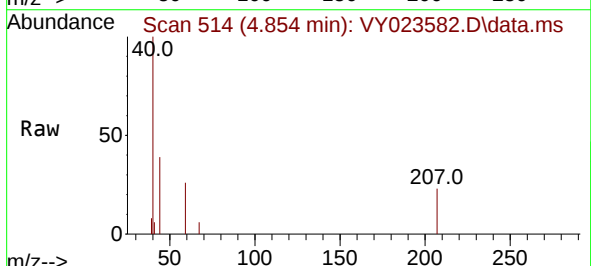
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

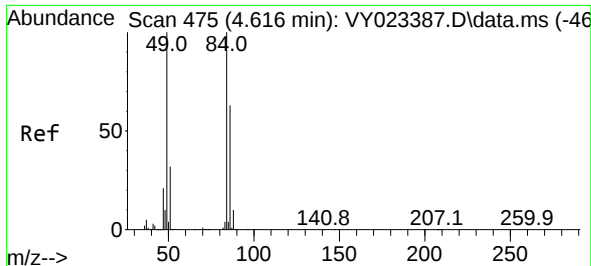
Tgt Ion:168 Resp: 818077
Ion Ratio Lower Upper
168 100
99 48.5 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.260 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.007 min
Lab File: VY023582.D
Acq: 24 Oct 2025 18:44

Tgt Ion: 59 Resp: 641
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

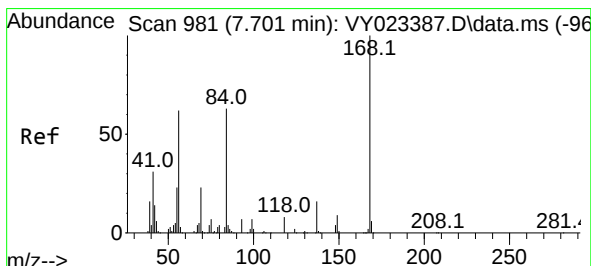
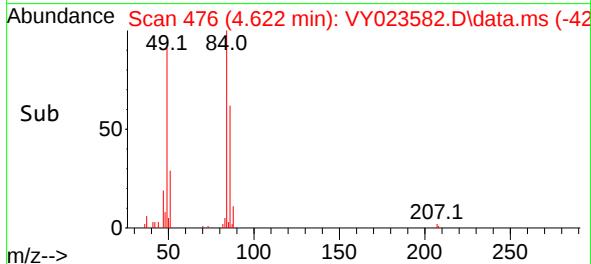
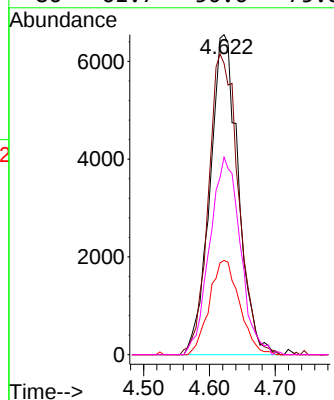
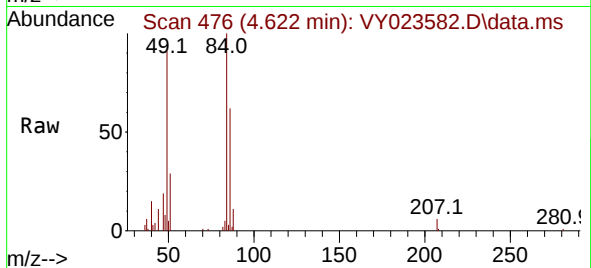




#20
Methylene Chloride
Concen: 2.234 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023582.D
Acq: 24 Oct 2025 18:44

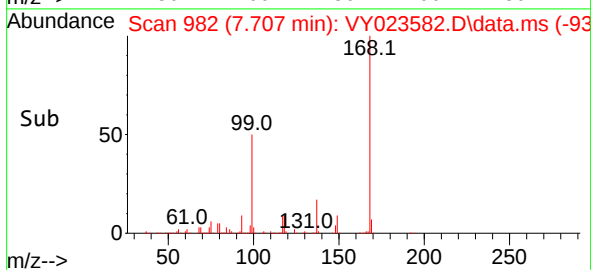
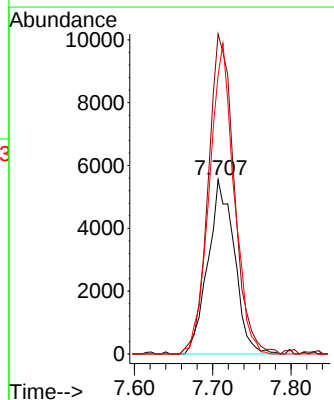
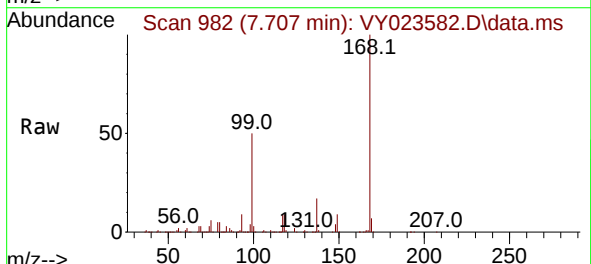
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

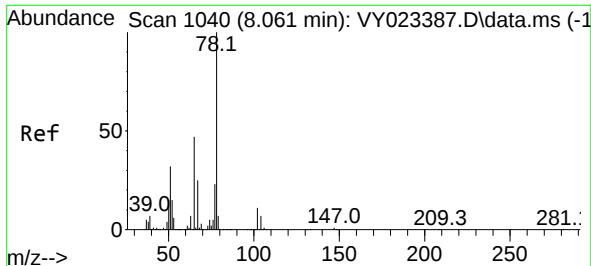
Tgt Ion:	84	Resp:	19676
Ion	Ratio	Lower	Upper
84	100		
49	91.1	80.2	120.4
51	29.4	25.9	38.9
86	61.7	50.6	75.8



#31
Cyclohexane
Concen: 1.140 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023582.D
Acq: 24 Oct 2025 18:44

Tgt Ion:	56	Resp:	12975
Ion	Ratio	Lower	Upper
56	100		
69	183.7	30.0	45.0#
84	160.0	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 50.151 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023582.D

Acq: 24 Oct 2025 18:44

Instrument :

MSVOA_Y

ClientSampleId :

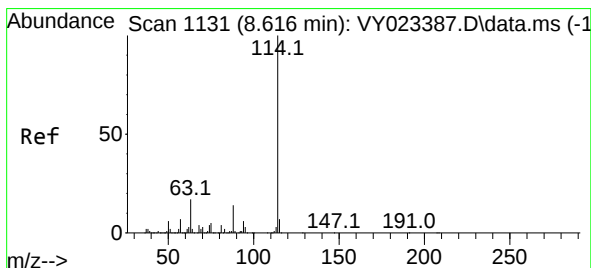
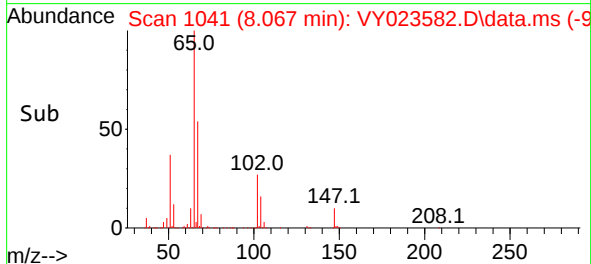
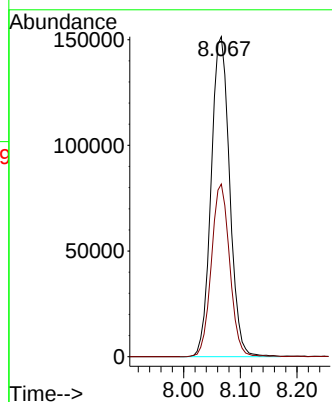
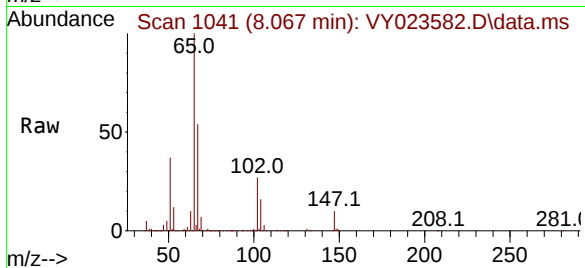
VIBLK

Tgt Ion: 65 Resp: 343077

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023582.D

Acq: 24 Oct 2025 18:44

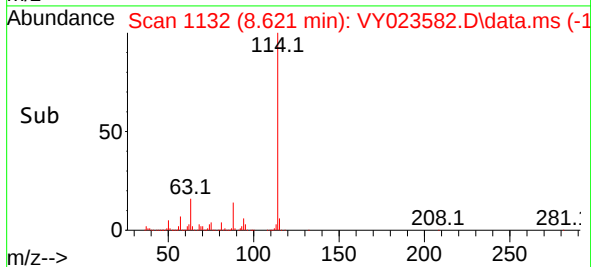
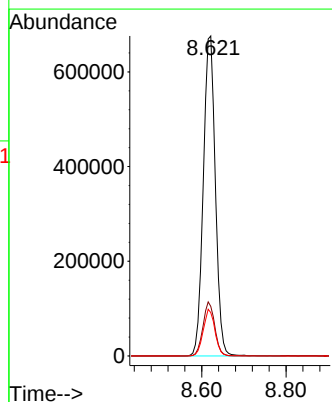
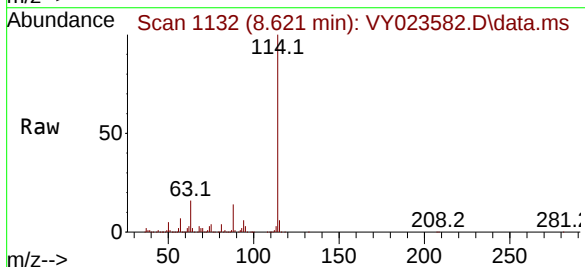
Tgt Ion: 114 Resp: 1345692

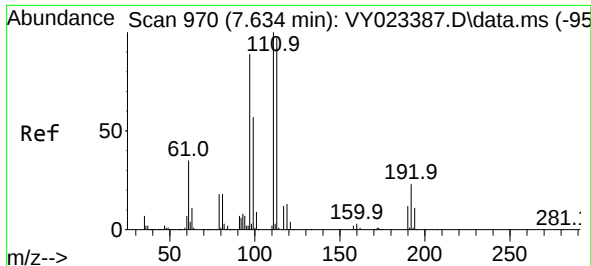
Ion Ratio Lower Upper

114 100

63 15.5 0.0 34.2

88 13.5 0.0 28.4

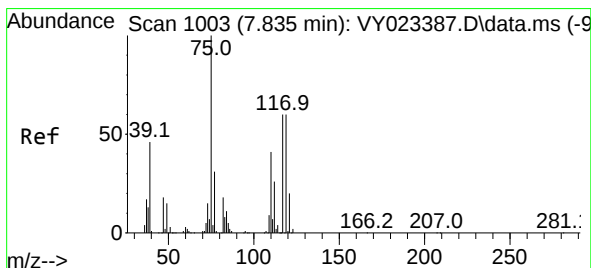
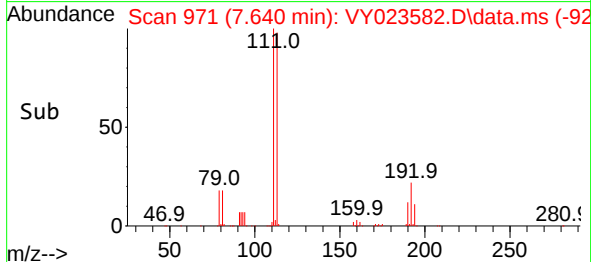
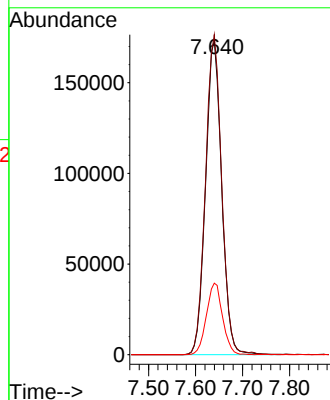
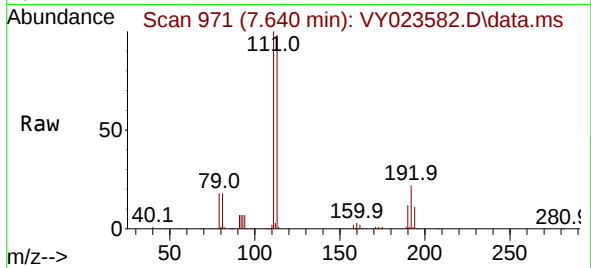




#35
Dibromofluoromethane
Concen: 49.675 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023582.D
Acq: 24 Oct 2025 18:44

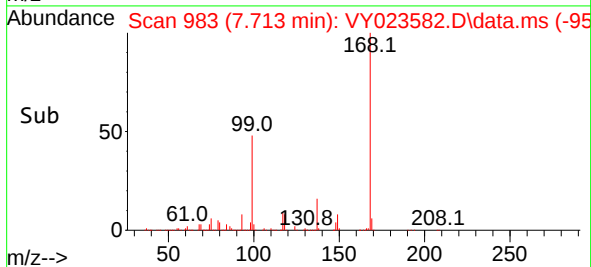
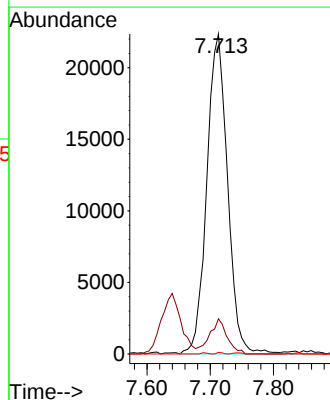
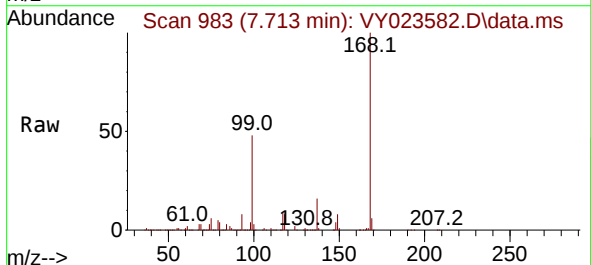
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

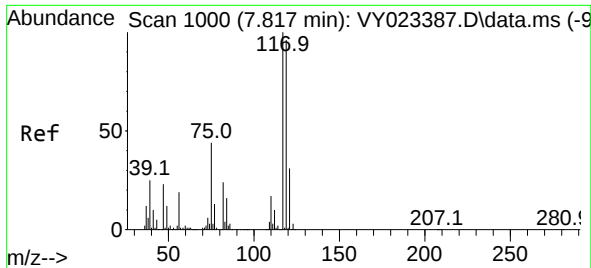
Tgt Ion:113 Resp: 410744
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 22.8 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.656 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023582.D
Acq: 24 Oct 2025 18:44

Tgt Ion: 75 Resp: 50973
Ion Ratio Lower Upper
75 100
110 9.3 19.9 59.7#
77 0.1 25.0 37.6#

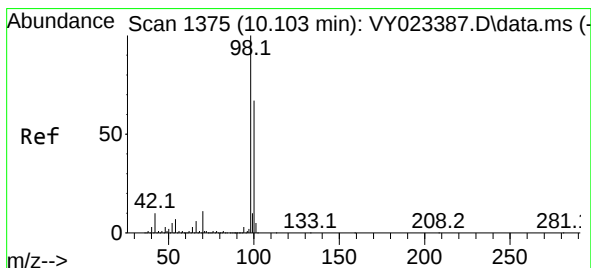
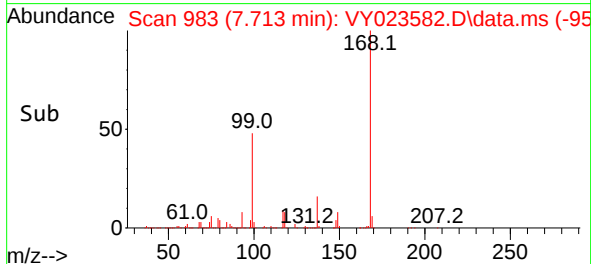
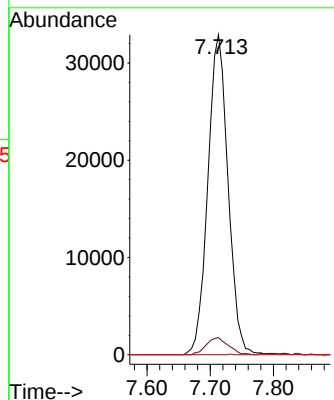
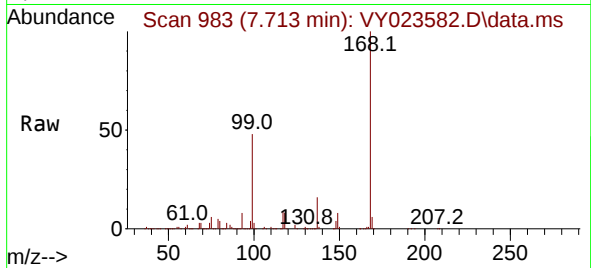




#38
Carbon Tetrachloride
Concen: 5.499 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023582.D
Acq: 24 Oct 2025 18:44

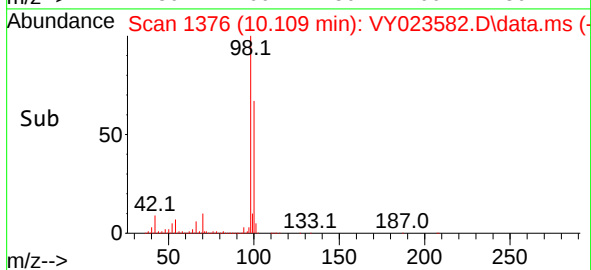
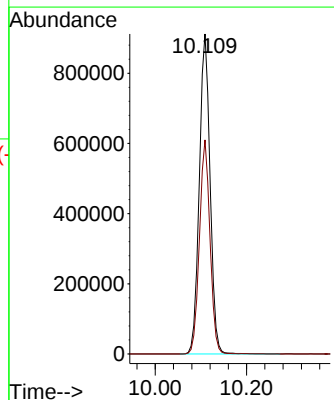
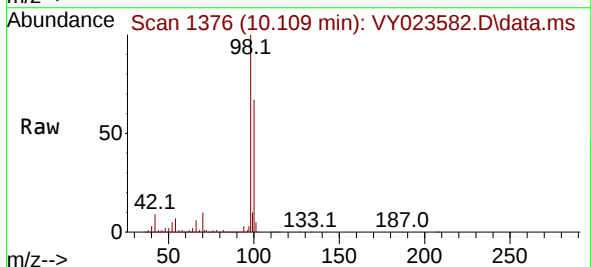
Instrument :
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ClientSampleId :
VIBLK

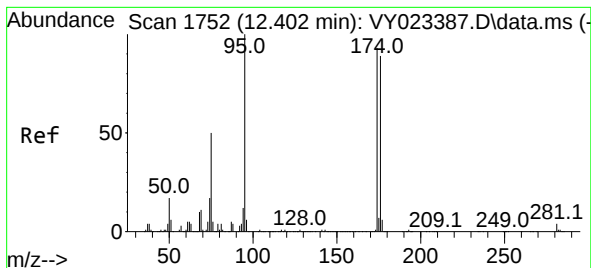
Tgt Ion:117 Resp: 72997
Ion Ratio Lower Upper
117 100
119 5.4 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.559 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023582.D
Acq: 24 Oct 2025 18:44

Tgt Ion: 98 Resp: 1495302
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4

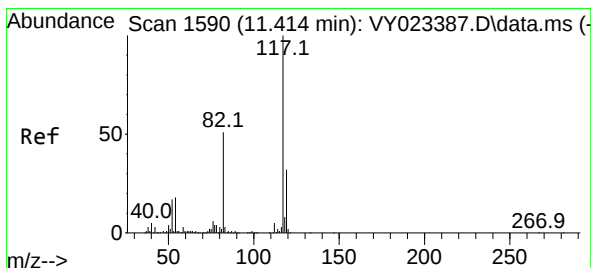
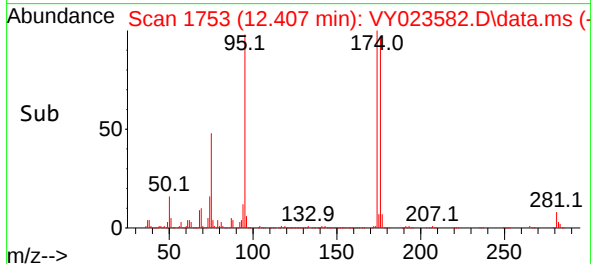
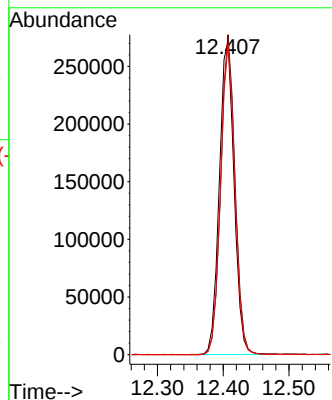
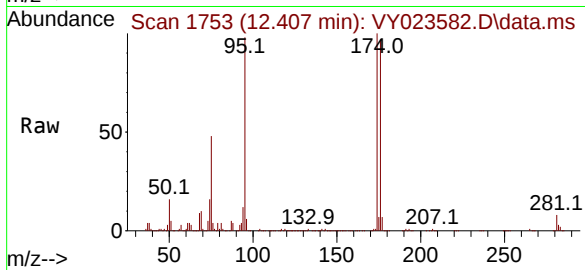




#62
4-Bromofluorobenzene
Concen: 41.839 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023582.D
Acq: 24 Oct 2025 18:44

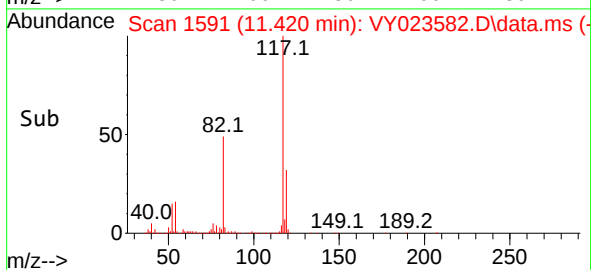
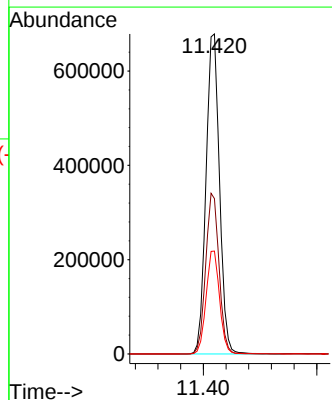
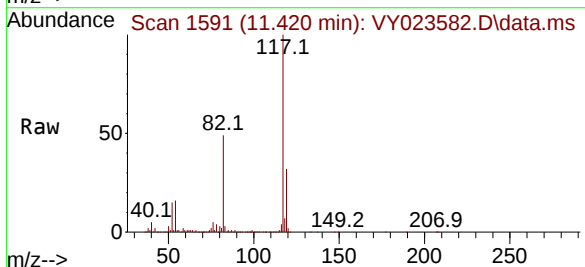
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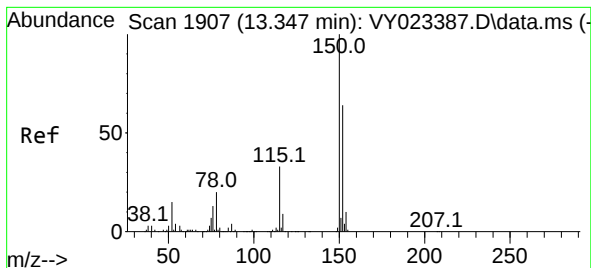
Tgt Ion: 95 Resp: 425353
Ion Ratio Lower Upper
95 100
174 98.9 0.0 192.8
176 95.8 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023582.D
Acq: 24 Oct 2025 18:44

Tgt Ion: 117 Resp: 1119620
Ion Ratio Lower Upper
117 100
82 48.5 41.0 61.4
119 32.2 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: VY023582.D

Acq: 24 Oct 2025 18:44

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

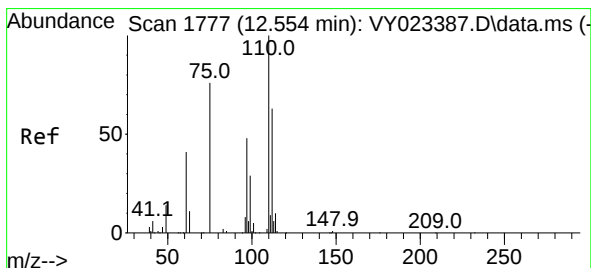
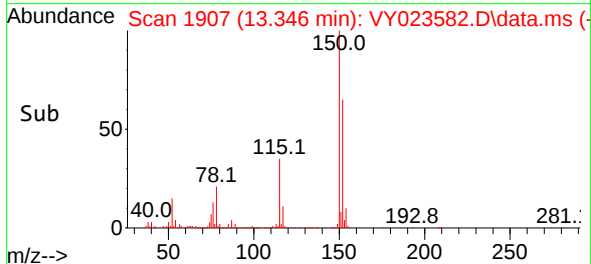
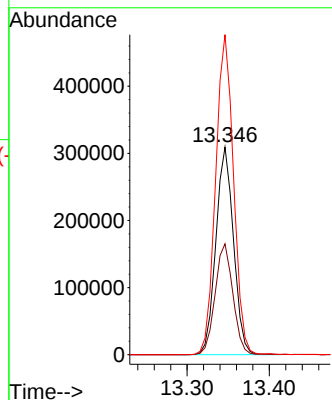
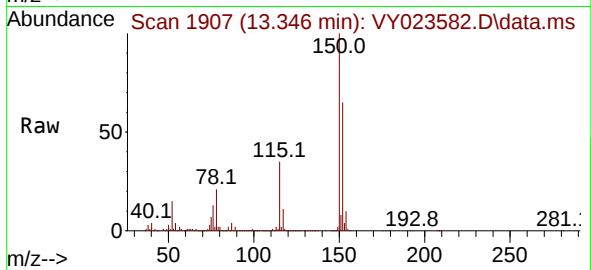
Tgt Ion:152 Resp: 459952

Ion Ratio Lower Upper

152 100

115 54.0 27.1 81.2

150 156.6 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 50.857 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY023582.D

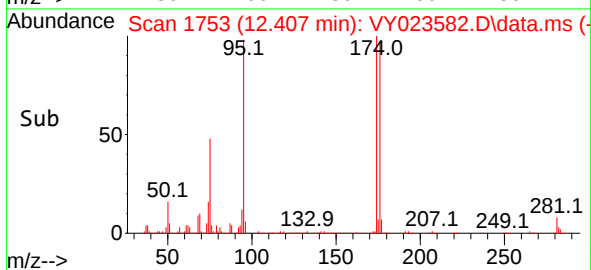
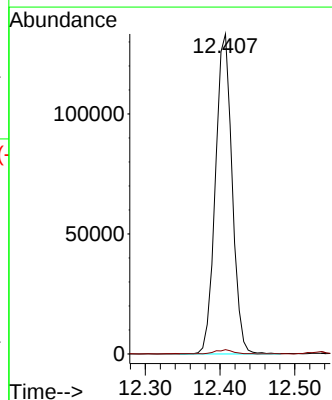
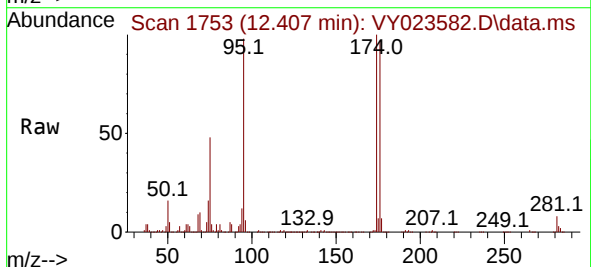
Acq: 24 Oct 2025 18:44

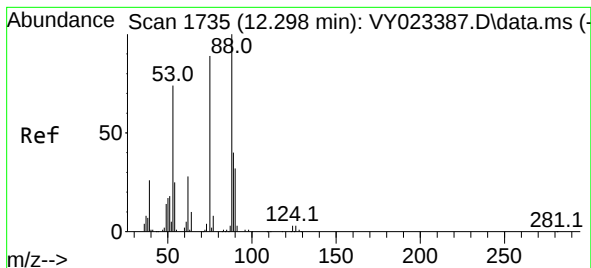
Tgt Ion: 75 Resp: 206377

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.710 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY023582.D
 Acq: 24 Oct 2025 18:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 206377
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.6 102.8#
 89 0.0 39.0 58.4#

