

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023420.D
 Acq On : 09 Oct 2025 14:36
 Operator : SY/MD
 Sample : Q3322-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-100925

Quant Time: Oct 10 04:26:59 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)

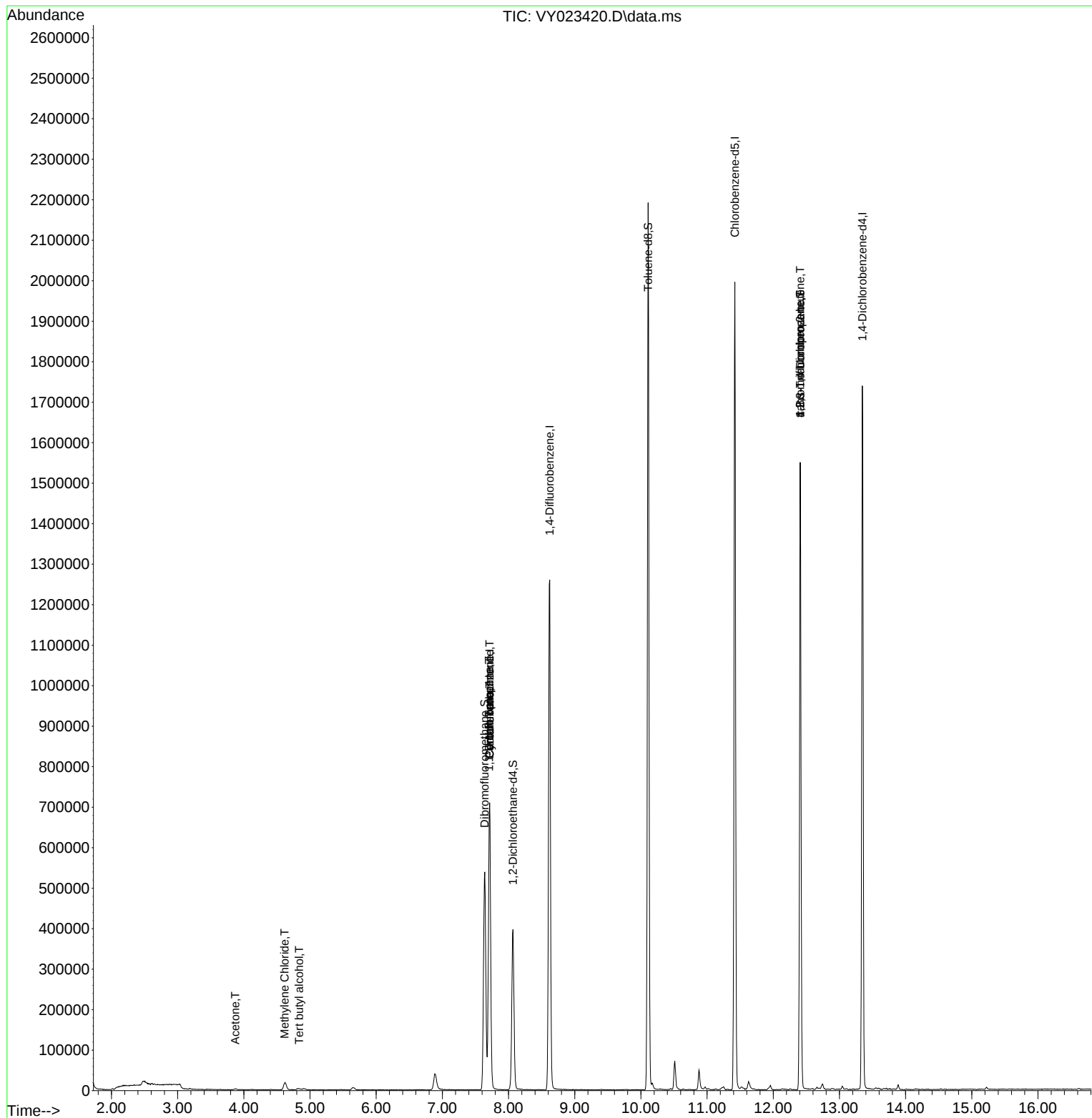
Internal Standards						
1) Pentafluorobenzene	7.713	168	599433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1178509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1140602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	476655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	312043	62.252	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.500%	
35) Dibromofluoromethane	7.640	113	394898	54.534	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.060%	
50) Toluene-d8	10.109	98	1411816	52.352	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.700%	
62) 4-Bromofluorobenzene	12.407	95	449974	50.540	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	2346	6.291	ug/l #	81
16) Acetone	3.872	43	3039	2.547	ug/l	92
20) Methylene Chloride	4.616	84	14120	2.188	ug/l #	97
31) Cyclohexane	7.713	56	9600	1.151	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	39434	4.113	ug/l #	48
38) Carbon Tetrachloride	7.713	117	54506	4.689	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	220171	52.355	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	220171	128.384	ug/l #	15

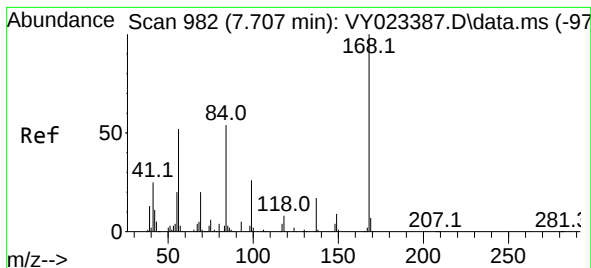
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OR-02-100925

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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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: VY023420.D

Acq: 09 Oct 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

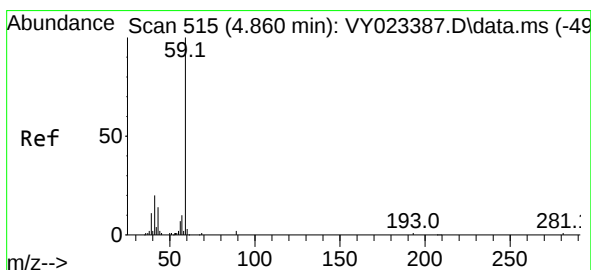
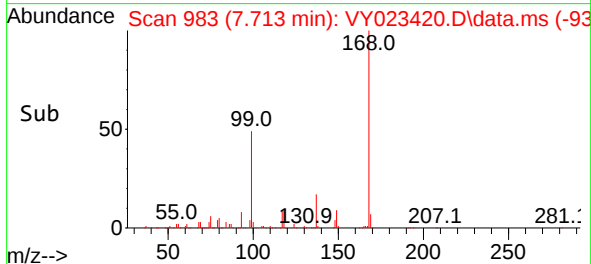
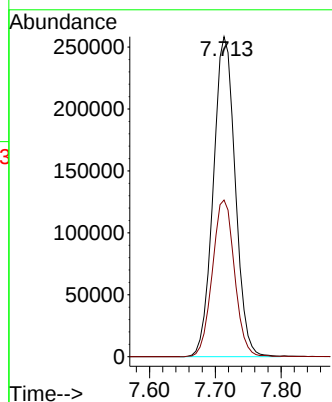
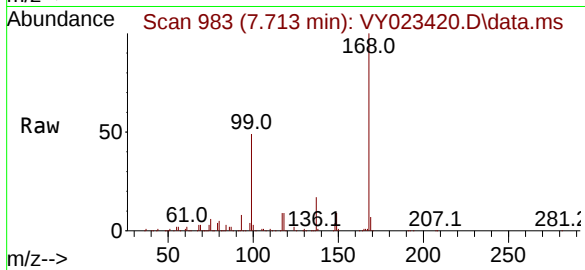
OR-02-100925

Tgt Ion:168 Resp: 599433

Ion Ratio Lower Upper

168 100

99 48.9 39.7 59.5



#11

Tert butyl alcohol

Concen: 6.291 ug/l

RT: 4.836 min Scan# 511

Delta R.T. -0.025 min

Lab File: VY023420.D

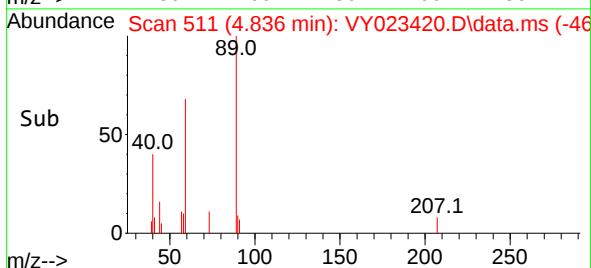
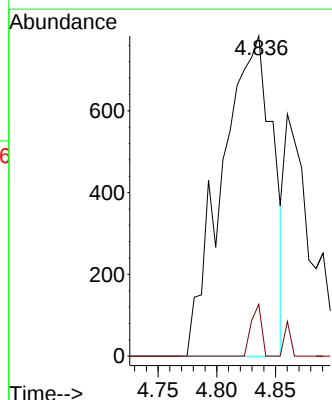
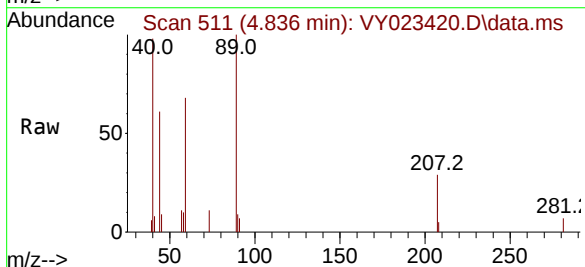
Acq: 09 Oct 2025 14:36

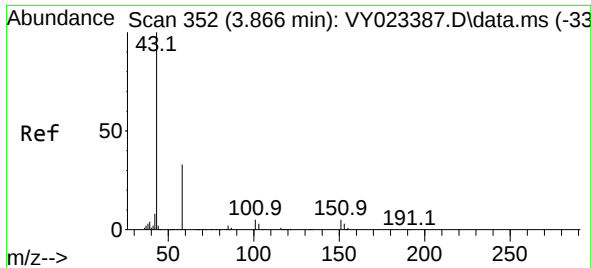
Tgt Ion: 59 Resp: 2346

Ion Ratio Lower Upper

59 100

57 3.3 8.3 12.5#

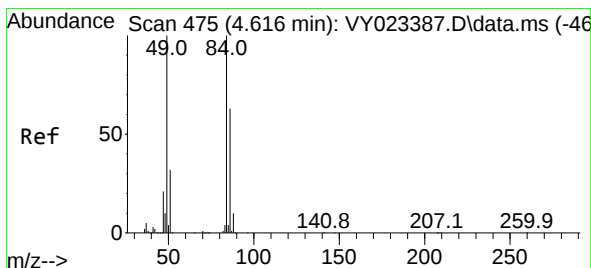
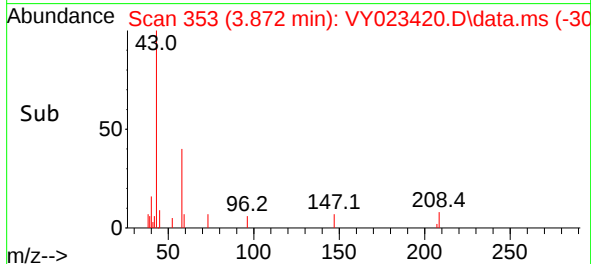
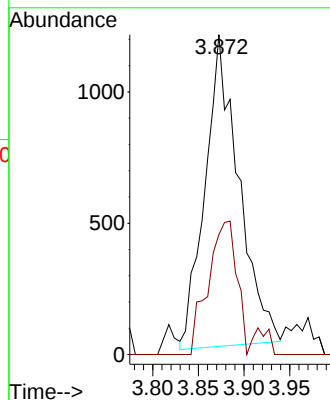
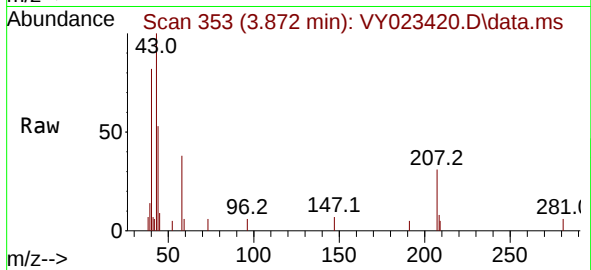




#16
Acetone
Concen: 2.547 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

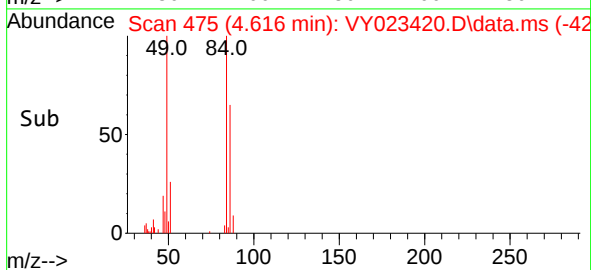
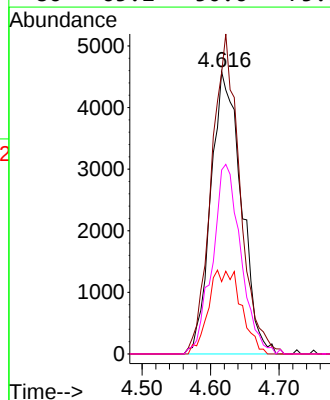
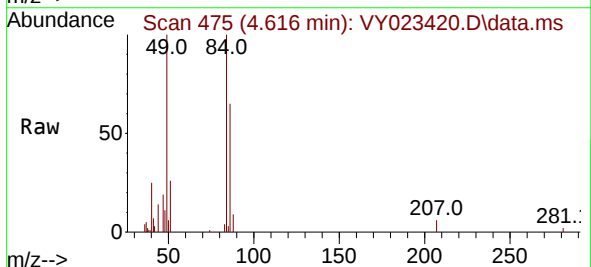
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-100925

Tgt Ion: 43 Resp: 3039
Ion Ratio Lower Upper
43 100
58 39.1 27.7 41.5



#20
Methylene Chloride
Concen: 2.188 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

Tgt Ion: 84 Resp: 14120
Ion Ratio Lower Upper
84 100
49 99.6 80.2 120.4
51 25.6 25.9 38.9#
86 65.2 50.6 75.8

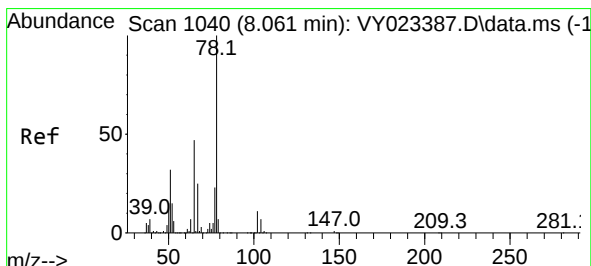
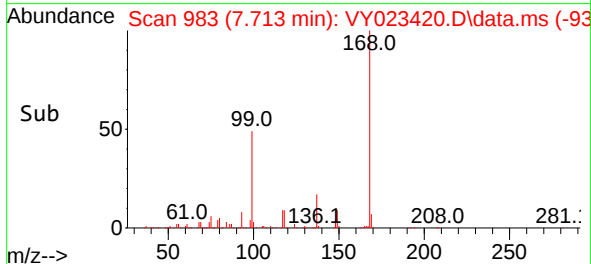
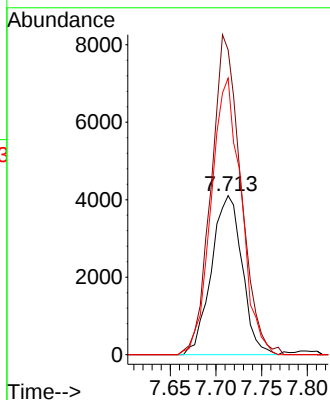
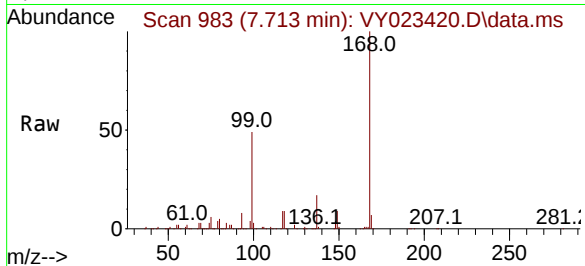




#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

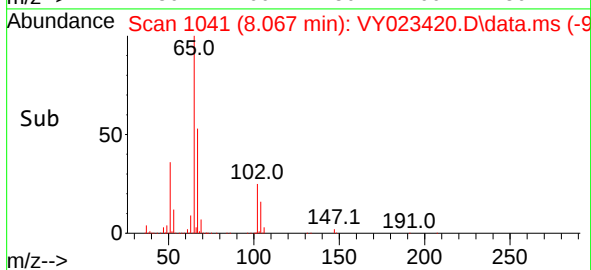
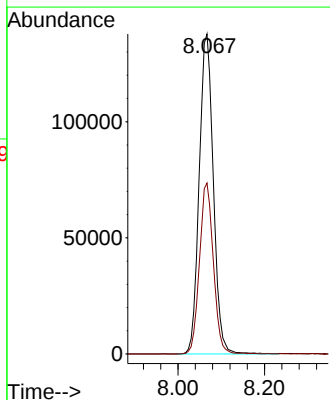
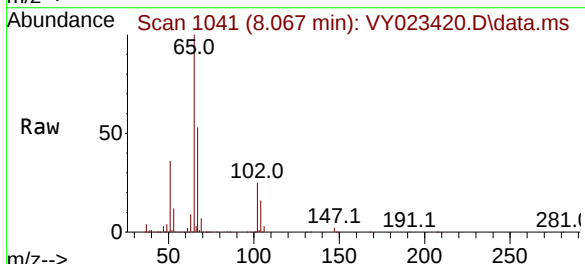
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-100925

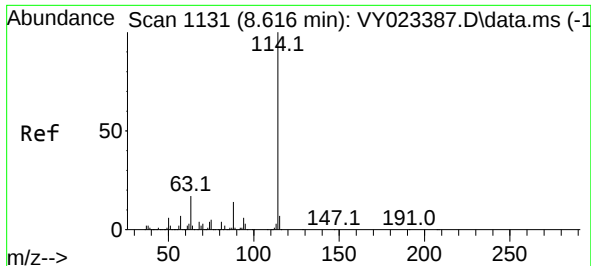
Tgt Ion: 56 Resp: 9600
Ion Ratio Lower Upper
56 100
69 191.7 30.0 45.0#
84 173.9 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 62.252 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

Tgt Ion: 65 Resp: 312043
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8

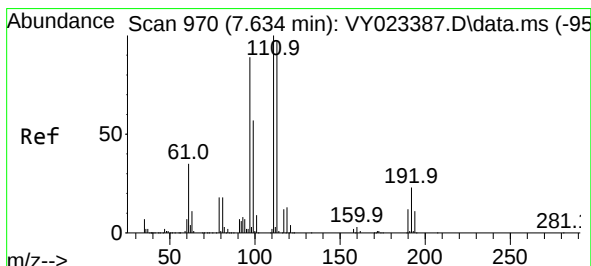
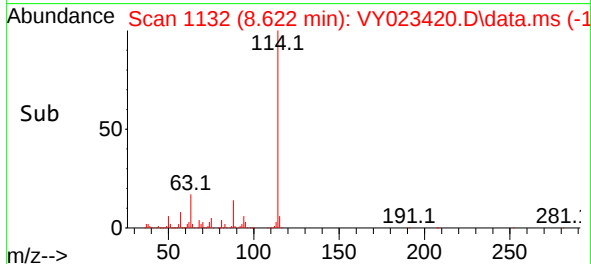
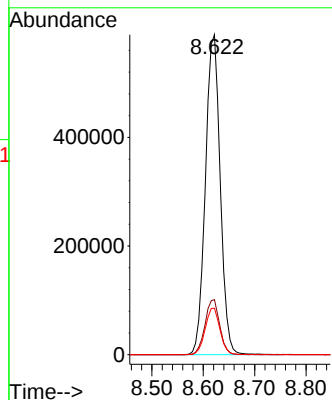
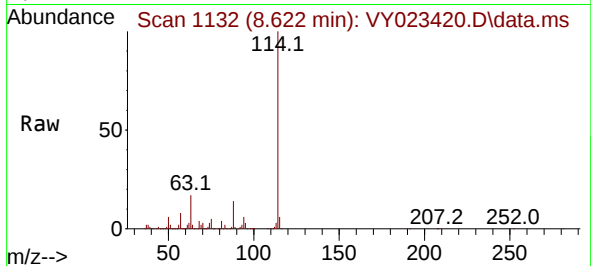




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

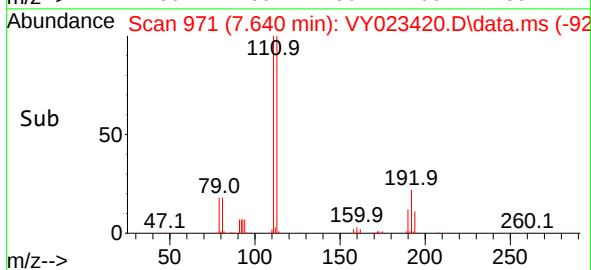
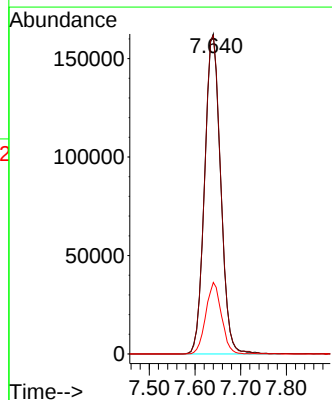
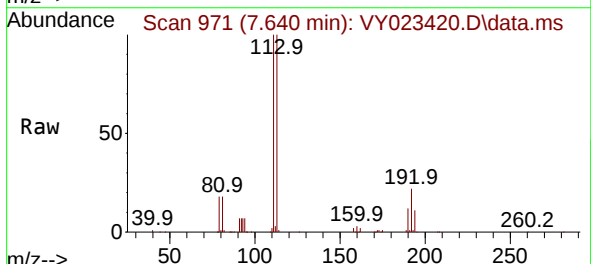
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-100925

Tgt Ion:114 Resp: 1178509
Ion Ratio Lower Upper
114 100
63 17.2 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 54.534 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

Tgt Ion:113 Resp: 394898
Ion Ratio Lower Upper
113 100
111 100.4 81.8 122.6
192 21.9 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.113 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023420.D

Acq: 09 Oct 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-100925

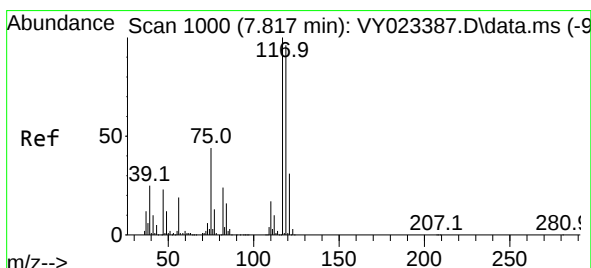
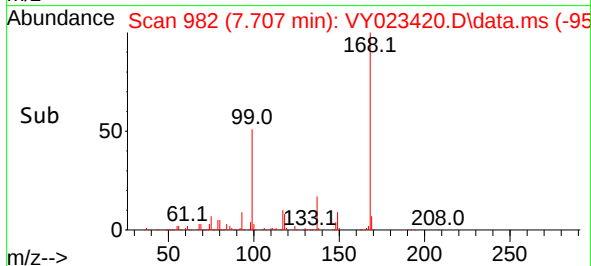
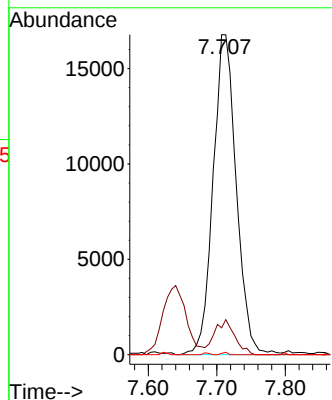
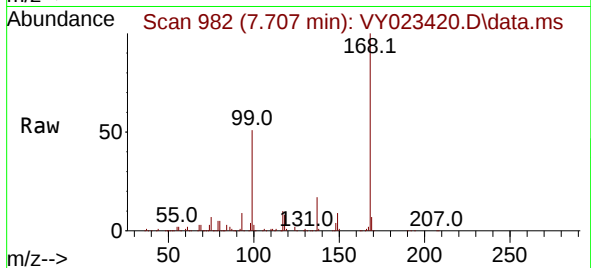
Tgt Ion: 75 Resp: 39434

Ion Ratio Lower Upper

75 100

110 9.5 19.9 59.7#

77 0.2 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 4.689 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023420.D

Acq: 09 Oct 2025 14:36

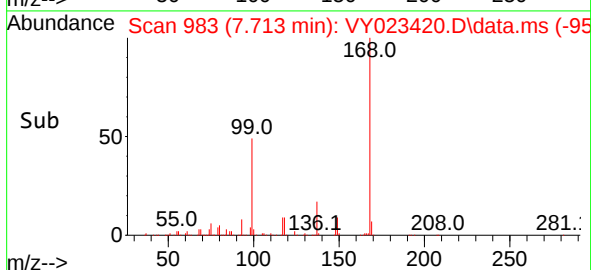
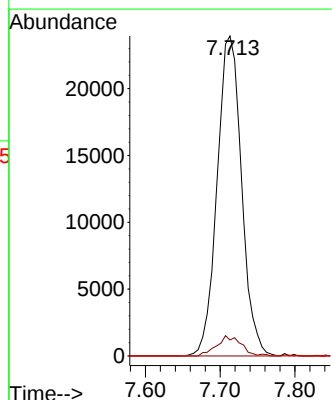
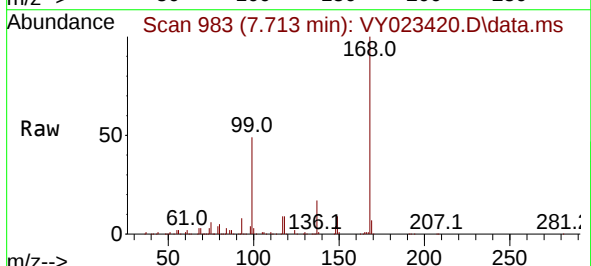
Tgt Ion: 117 Resp: 54506

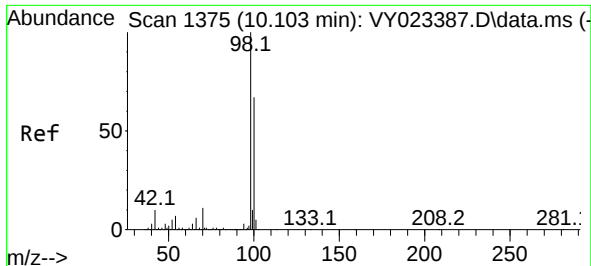
Ion Ratio Lower Upper

117 100

119 5.0 76.8 115.2#

121 0.0 24.5 36.7#

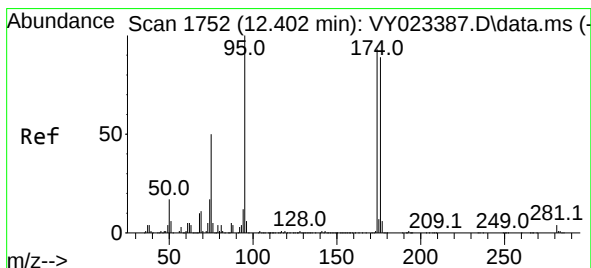
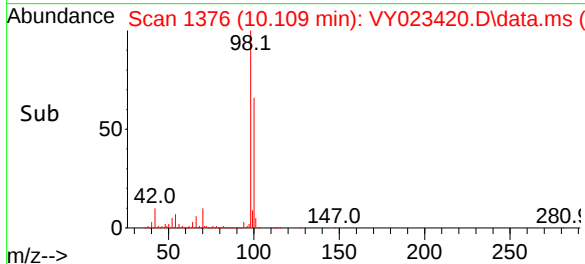
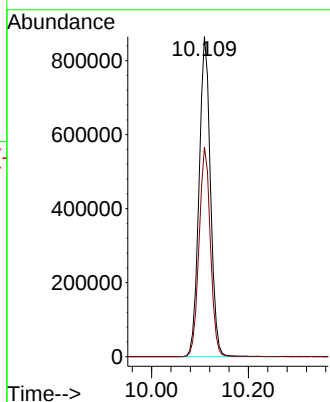
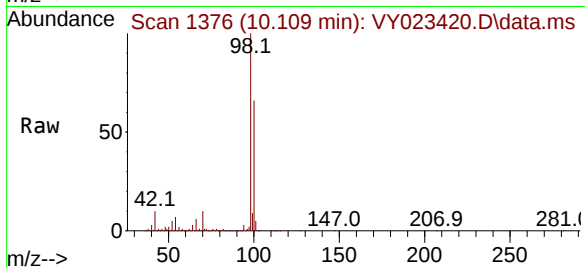




#50
Toluene-d8
Concen: 52.352 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

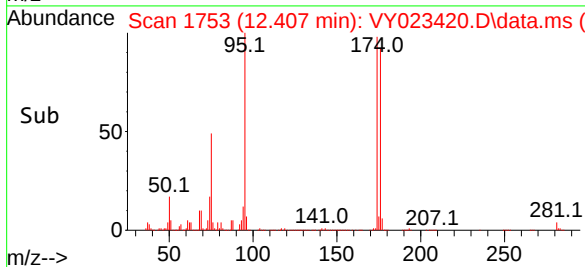
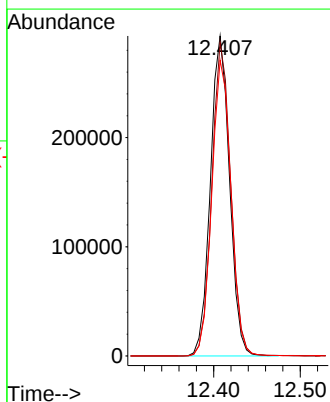
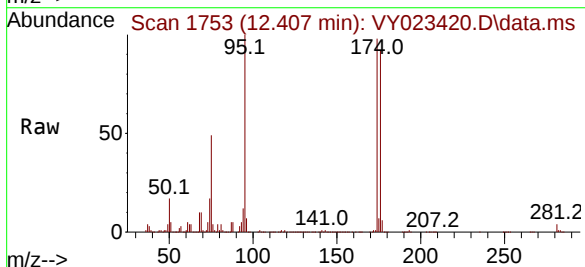
Instrument :
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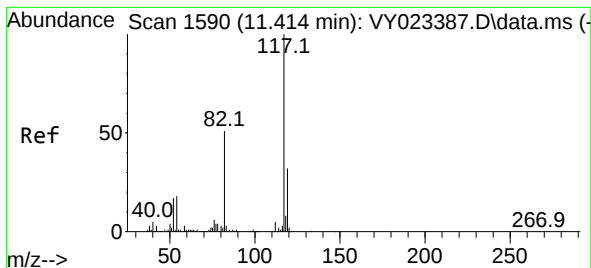
Tgt Ion: 98 Resp: 1411816
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 50.540 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

Tgt Ion: 95 Resp: 449974
Ion Ratio Lower Upper
95 100
174 96.8 0.0 192.8
176 92.9 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023420.D

Acq: 09 Oct 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-100925

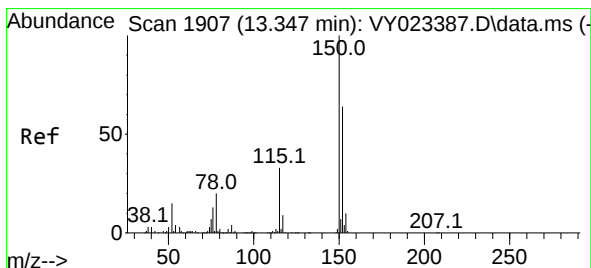
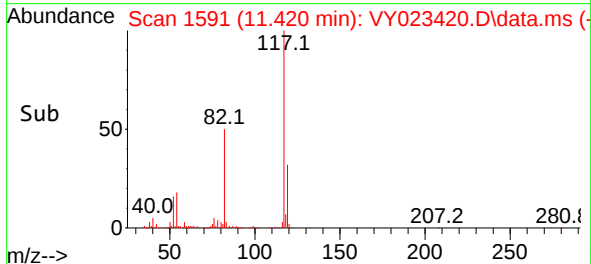
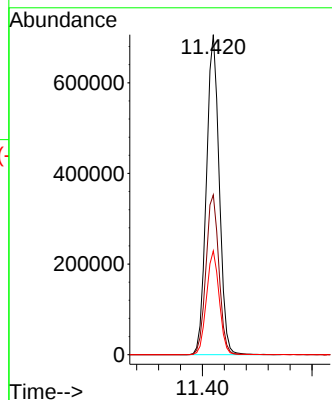
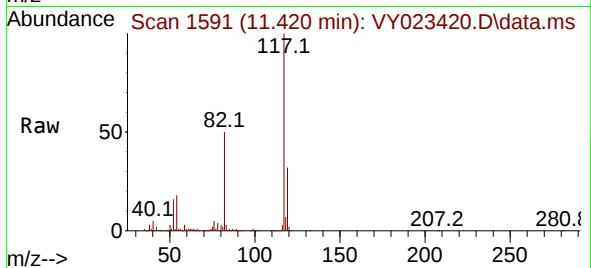
Tgt Ion:117 Resp: 1140602

Ion Ratio Lower Upper

117 100

82 49.9 41.0 61.4

119 32.4 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: VY023420.D

Acq: 09 Oct 2025 14:36

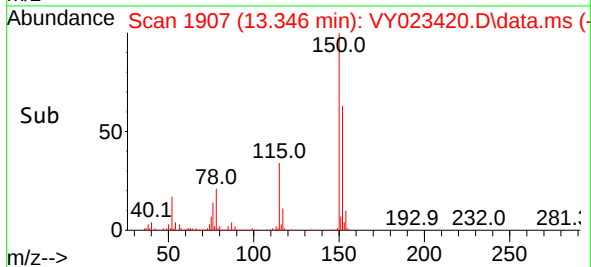
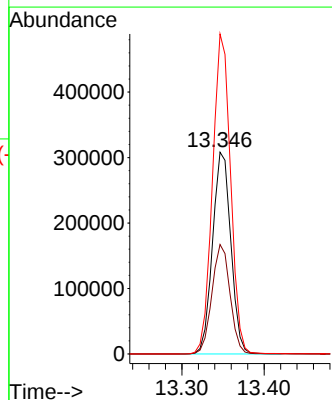
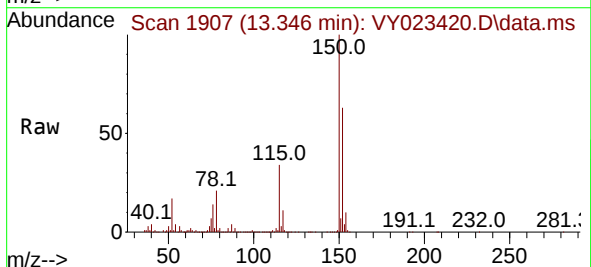
Tgt Ion:152 Resp: 476655

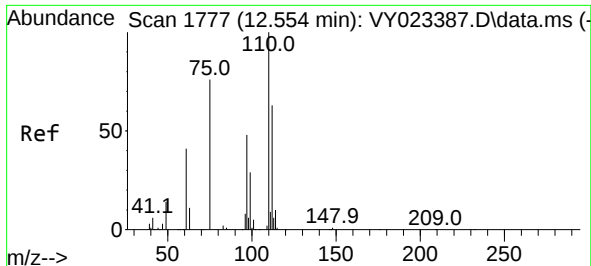
Ion Ratio Lower Upper

152 100

115 53.7 27.1 81.2

150 156.4 0.0 347.4

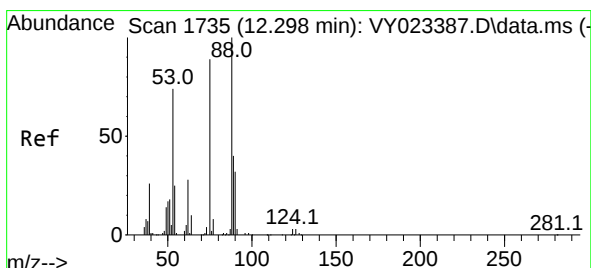
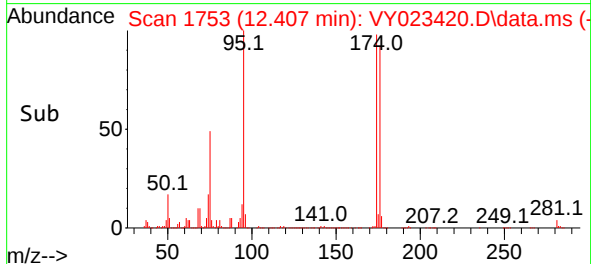
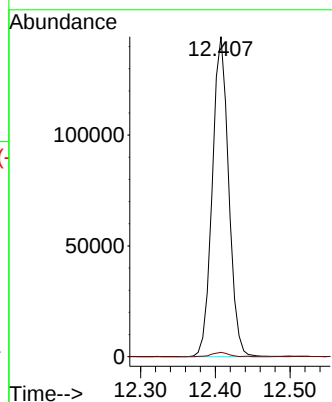
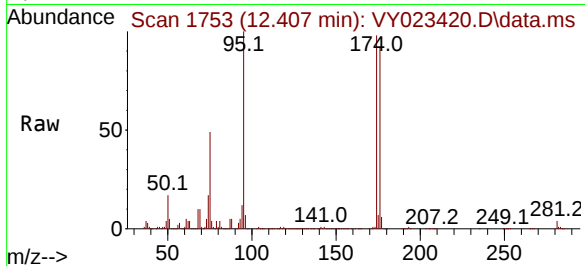




#76
1,2,3-Trichloropropane
Concen: 52.355 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-100925

Tgt Ion: 75 Resp: 220171
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.384 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

Tgt Ion: 75 Resp: 220171
Ion Ratio Lower Upper
75 100
53 0.1 68.6 102.8#
89 0.0 39.0 58.4#

