

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022568.D
 Acq On : 05 Jun 2025 12:45
 Operator : SY/MD
 Sample : Q2177-06
 Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-202-SB01

Quant Time: Jun 06 01:23:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

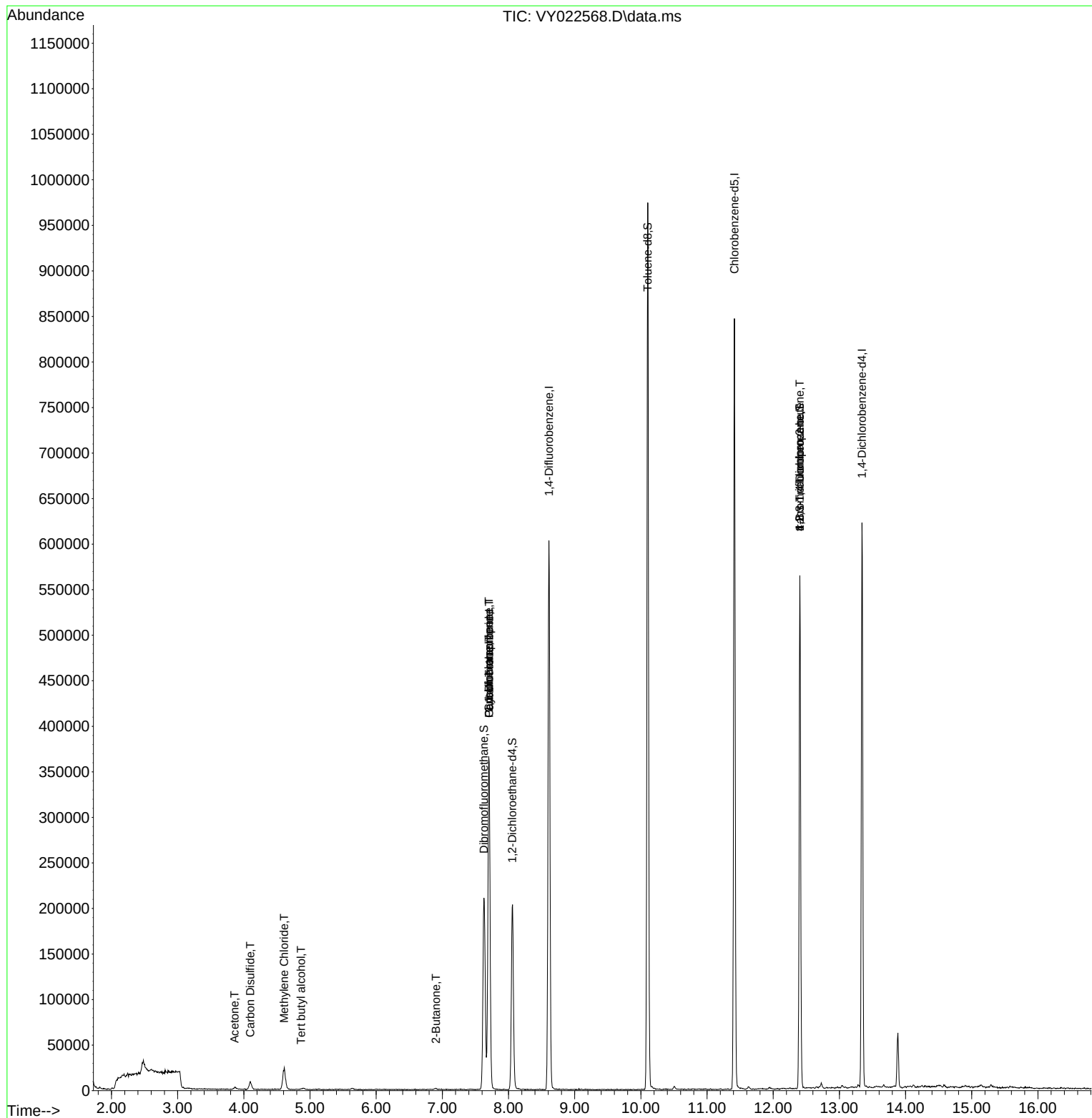
Internal Standards						
1) Pentafluorobenzene	7.707	168	270828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	498576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	399252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	144715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	151083	49.878	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.760%		
35) Dibromofluoromethane	7.628	113	147294	49.496	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.000%		
50) Toluene-d8	10.103	98	599125	49.825	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.660%		
62) 4-Bromofluorobenzene	12.401	95	149446	41.713	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.420%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.866	59	278	1.285	ug/l #	91
16) Acetone	3.860	43	3620	5.885	ug/l #	88
17) Carbon Disulfide	4.098	76	14692	1.616	ug/l	99
20) Methylene Chloride	4.610	84	15819	4.527	ug/l	95
25) 2-Butanone	6.902	43	911	1.027	ug/l	93
31) Cyclohexane	7.701	56	7774	1.336	ug/l #	50
36) 1,1-Dichloropropene	7.701	75	24101	4.990	ug/l #	50
38) Carbon Tetrachloride	7.707	117	28864	5.826	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	88703	53.578	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	88703	129.387	ug/l #	11

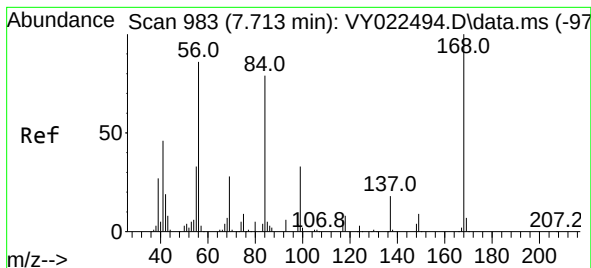
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022568.D

Acq: 05 Jun 2025 12:45

Instrument :

MSVOA_Y

ClientSampleId :

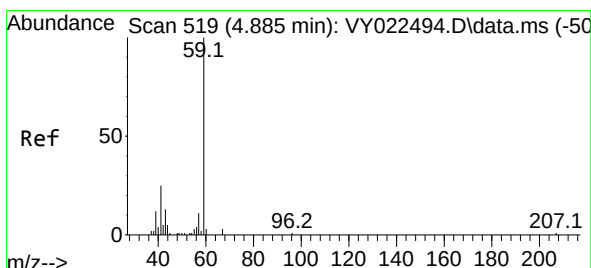
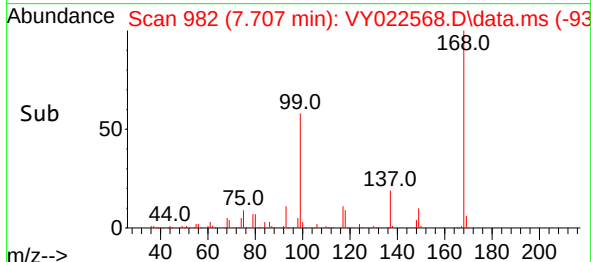
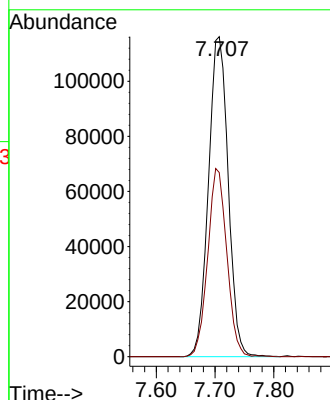
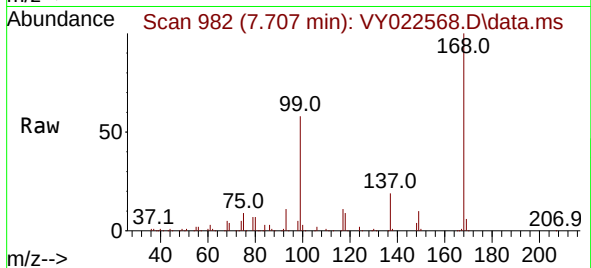
B-202-SB01

Tgt Ion:168 Resp: 270828

Ion Ratio Lower Upper

168 100

99 57.5 44.3 66.5



#11

Tert butyl alcohol

Concen: 1.285 ug/l

RT: 4.866 min Scan# 516

Delta R.T. -0.018 min

Lab File: VY022568.D

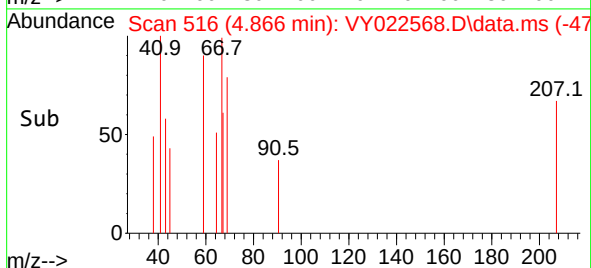
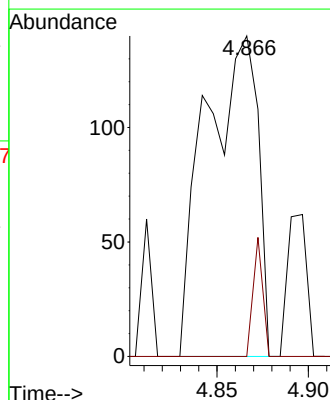
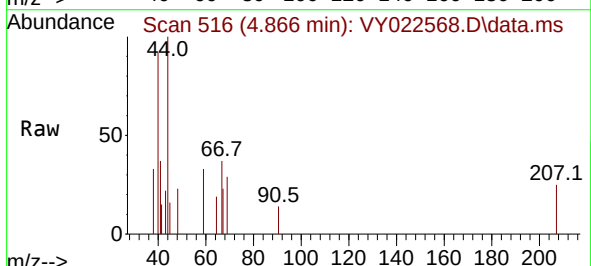
Acq: 05 Jun 2025 12:45

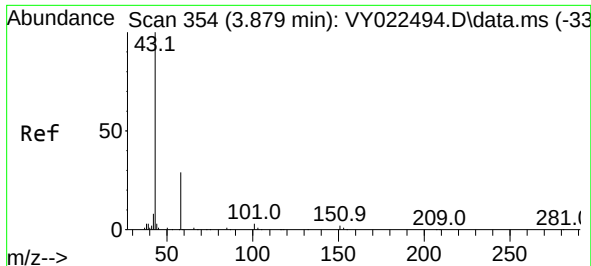
Tgt Ion: 59 Resp: 278

Ion Ratio Lower Upper

59 100

57 6.8 8.0 12.0#

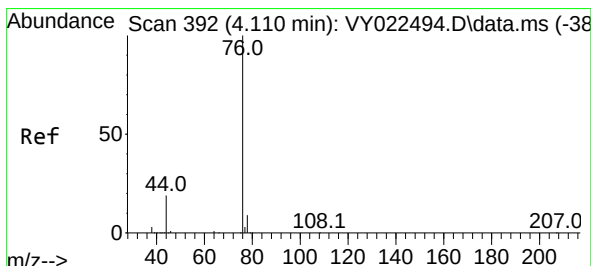
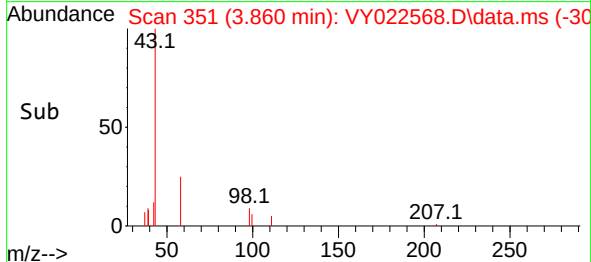
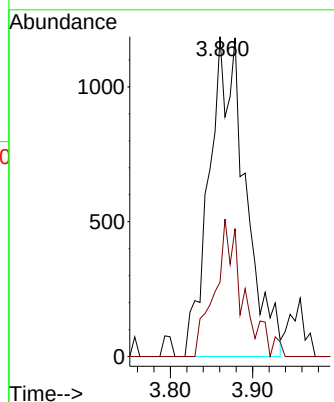
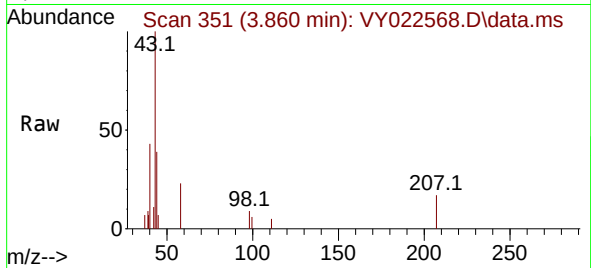




#16
Acetone
Concen: 5.885 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

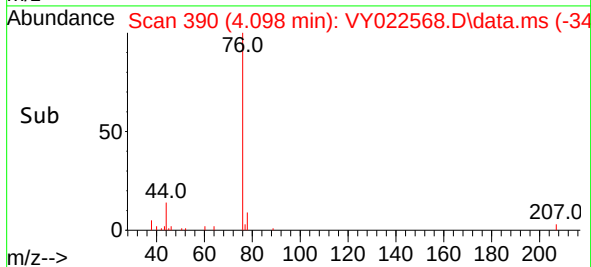
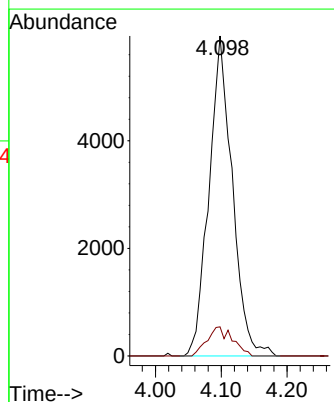
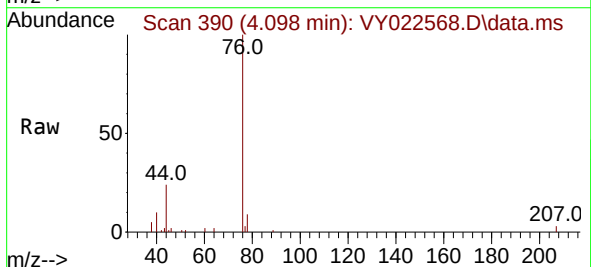
Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

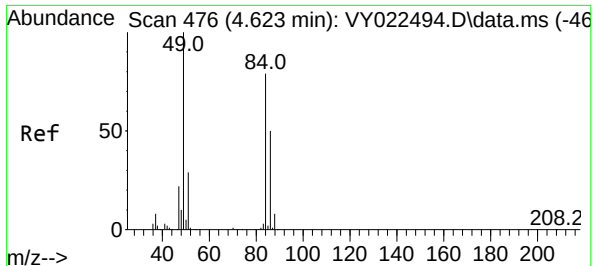
Tgt Ion: 43 Resp: 3620
Ion Ratio Lower Upper
43 100
58 23.3 24.0 36.0#



#17
Carbon Disulfide
Concen: 1.616 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

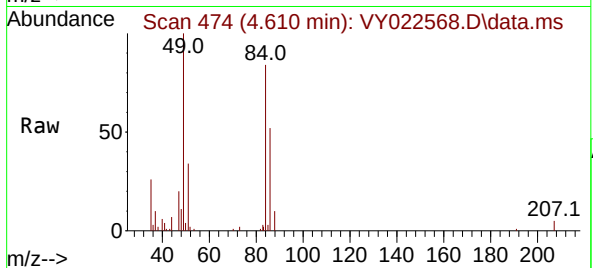
Tgt Ion: 76 Resp: 14692
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



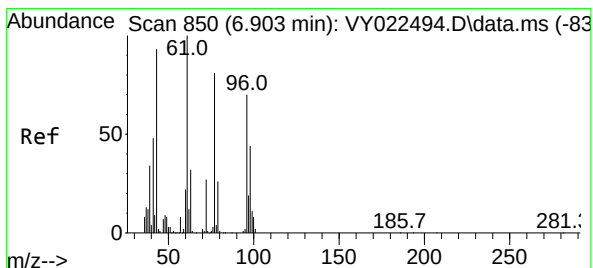
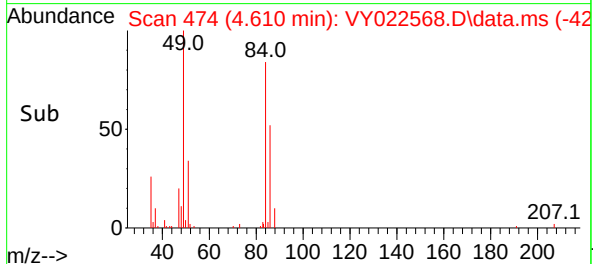
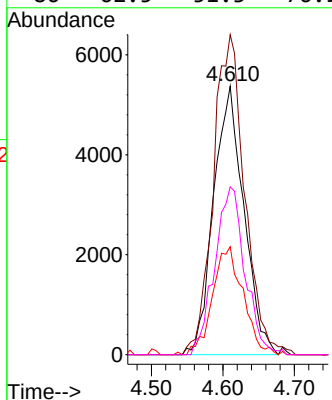


#20
Methylene Chloride
Concen: 4.527 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

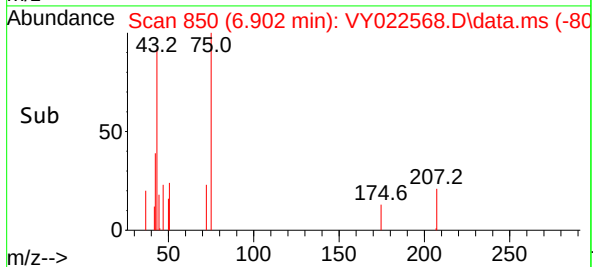
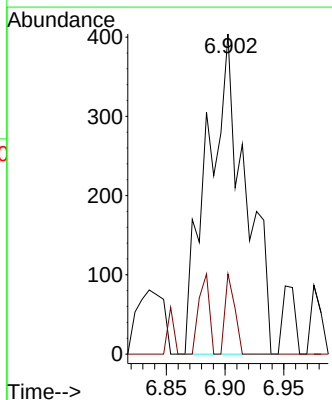
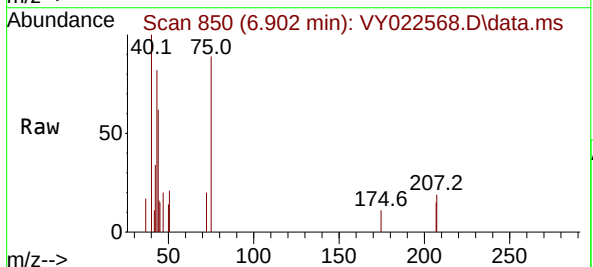


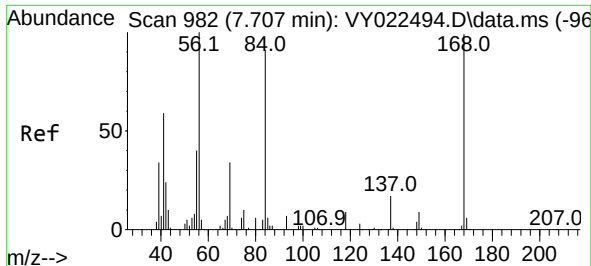
Tgt Ion:	84	Resp:	15819
Ion	Ratio	Lower	Upper
84	100		
49	119.2	101.9	152.9
51	40.2	29.8	44.8
86	62.5	51.3	76.9



#25
2-Butanone
Concen: 1.027 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion:	43	Resp:	911
Ion	Ratio	Lower	Upper
43	100		
72	25.0	22.9	34.3

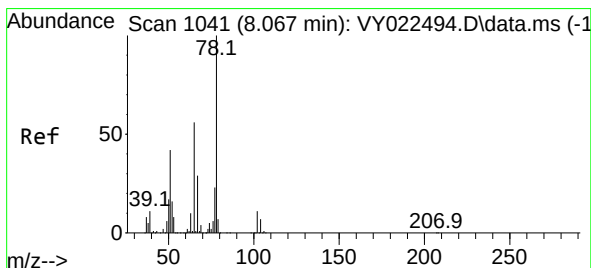
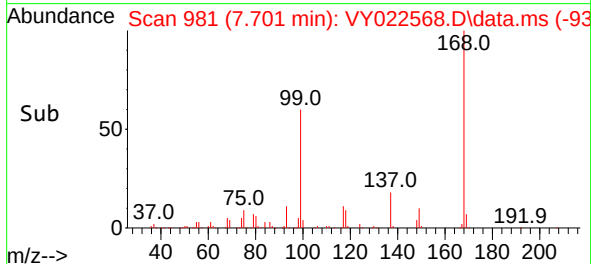
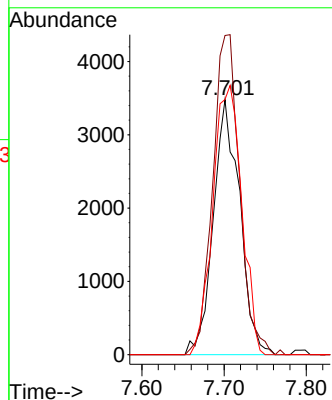
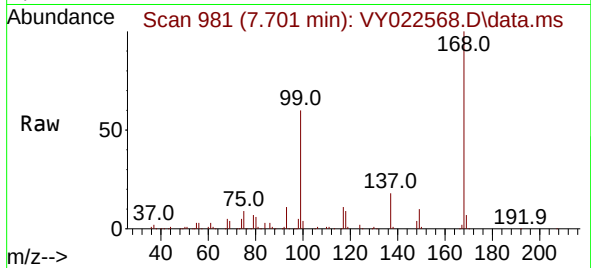




#31
Cyclohexane
Concen: 1.336 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

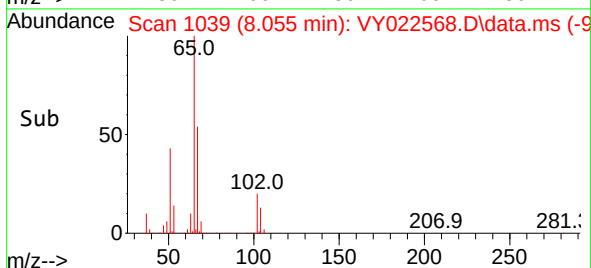
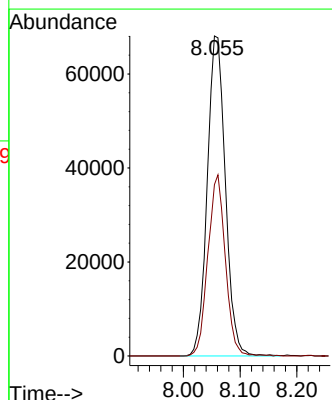
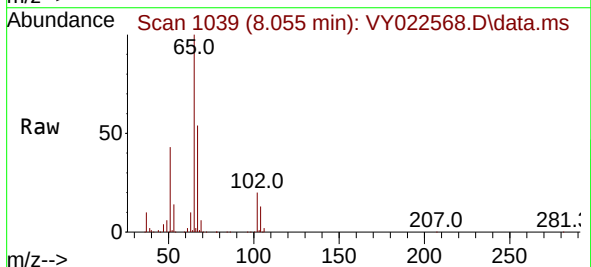
Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

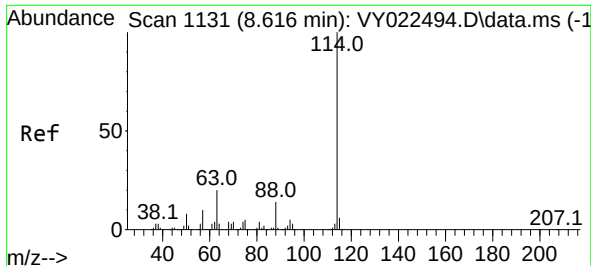
Tgt Ion: 56 Resp: 7774
Ion Ratio Lower Upper
56 100
69 125.1 27.0 40.6#
84 100.0 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 49.878 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion: 65 Resp: 151083
Ion Ratio Lower Upper
65 100
67 54.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022568.D

Acq: 05 Jun 2025 12:45

Instrument :

MSVOA_Y

ClientSampleId :

B-202-SB01

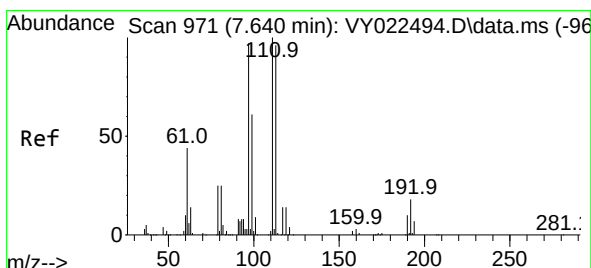
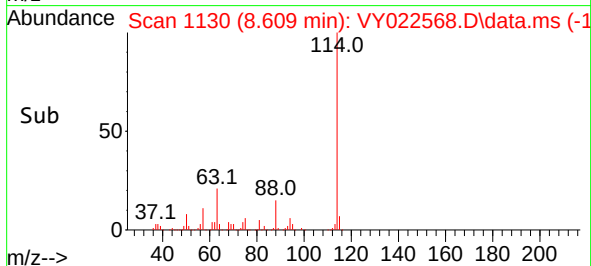
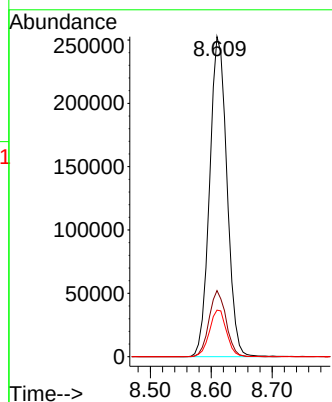
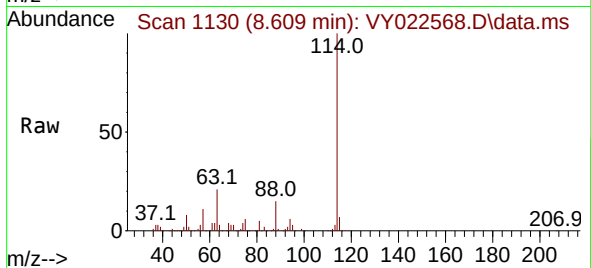
Tgt Ion:114 Resp: 498576

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 14.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 49.496 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022568.D

Acq: 05 Jun 2025 12:45

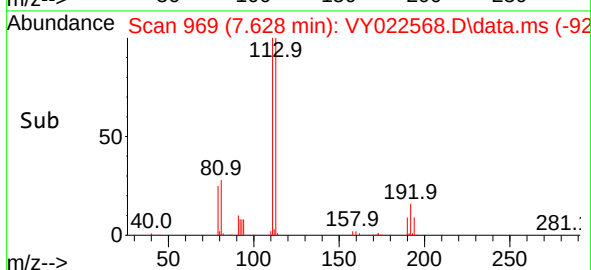
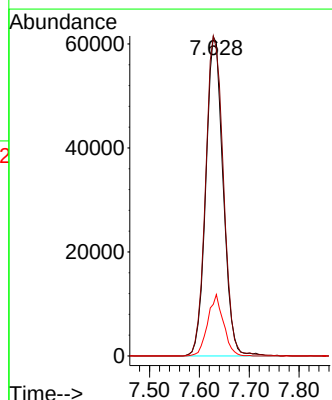
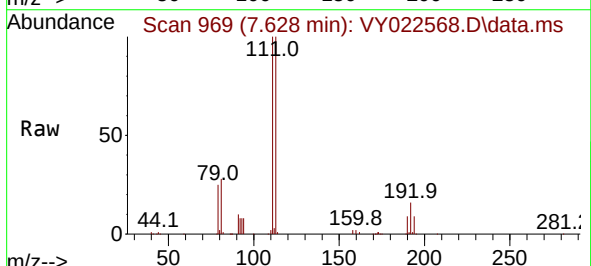
Tgt Ion:113 Resp: 147294

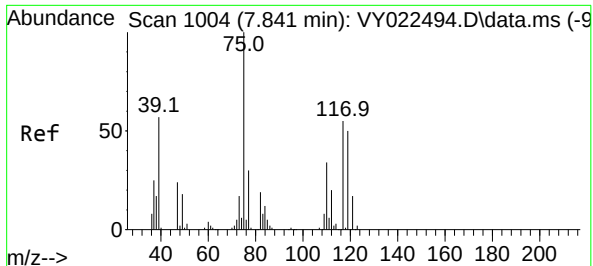
Ion Ratio Lower Upper

113 100

111 103.7 81.1 121.7

192 17.6 14.2 21.2

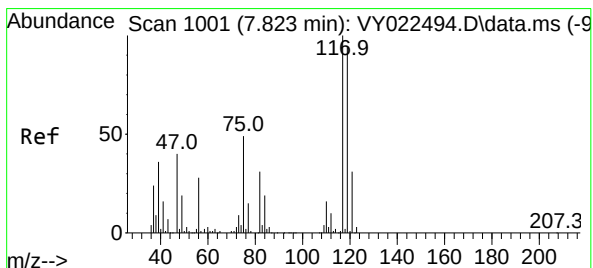
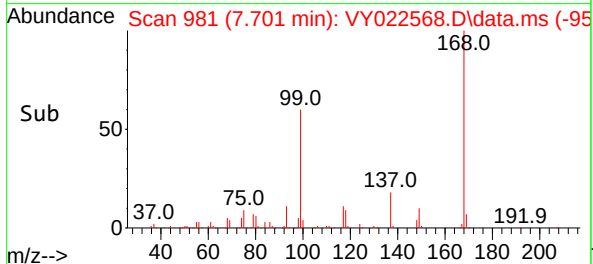
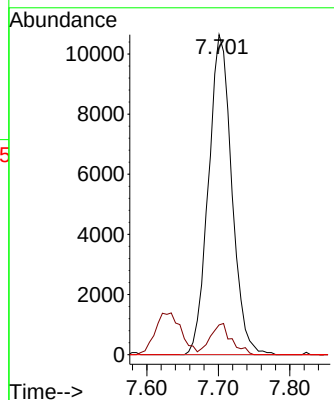
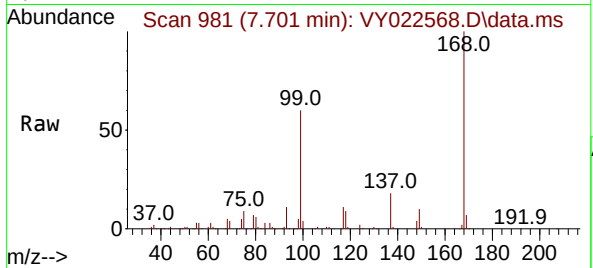




#36
 1,1-Dichloropropene
 Concen: 4.990 ug/l
 RT: 7.701 min Scan# 91
 Delta R.T. -0.140 min
 Lab File: VY022568.D
 Acq: 05 Jun 2025 12:45

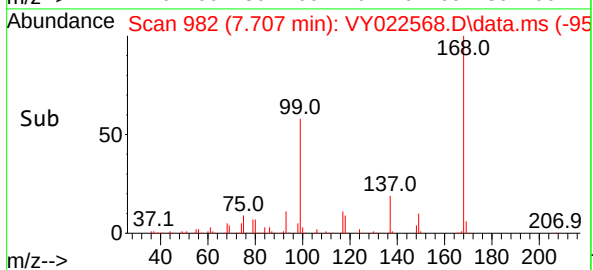
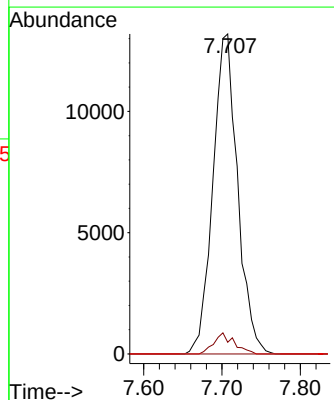
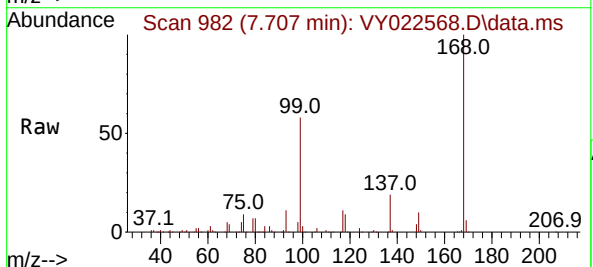
Instrument :
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 B-202-SB01

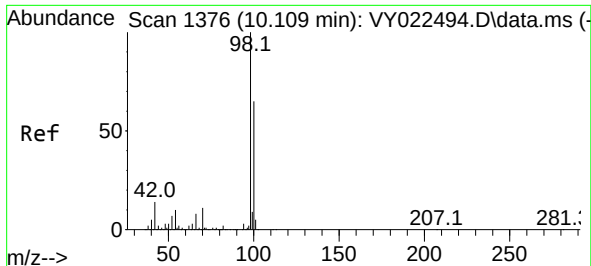
Tgt Ion: 75 Resp: 24101
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.9 50.7#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.826 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.116 min
 Lab File: VY022568.D
 Acq: 05 Jun 2025 12:45

Tgt Ion: 117 Resp: 28864
 Ion Ratio Lower Upper
 117 100
 119 3.7 75.0 112.6#
 121 0.0 25.0 37.4#

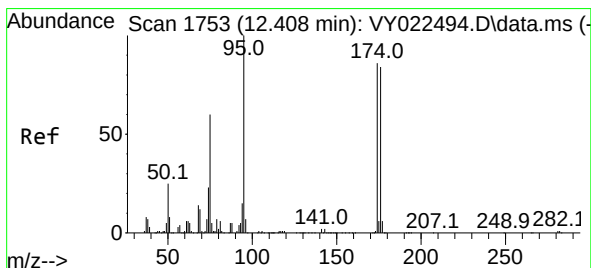
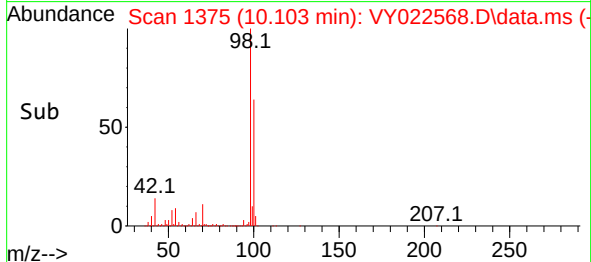
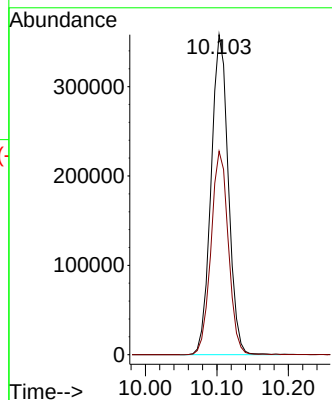
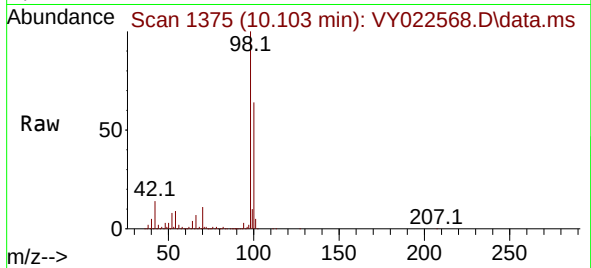




#50
Toluene-d8
Concen: 49.825 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

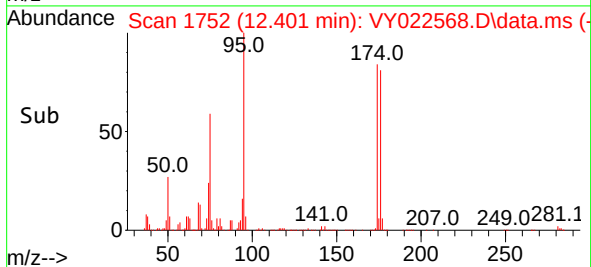
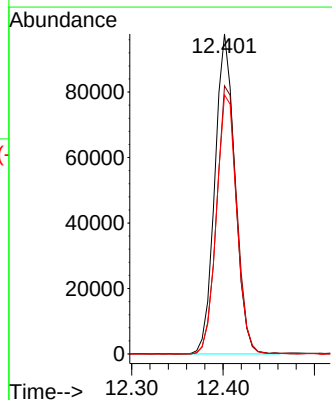
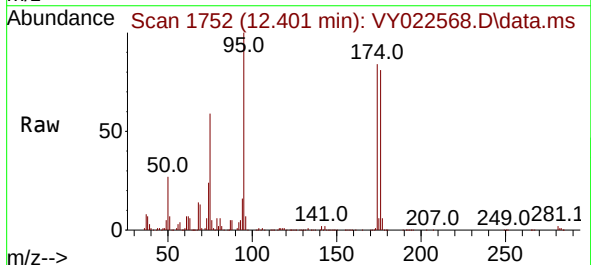
Instrument :
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B-202-SB01

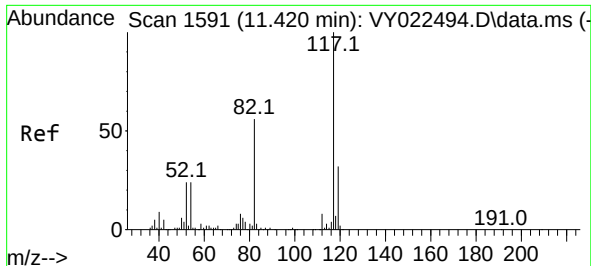
Tgt Ion: 98 Resp: 599125
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 41.713 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion: 95 Resp: 149446
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.0
176 81.9 0.0 166.2

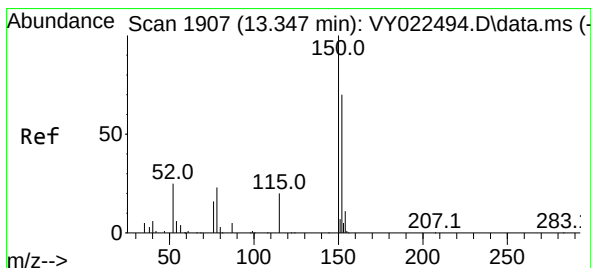
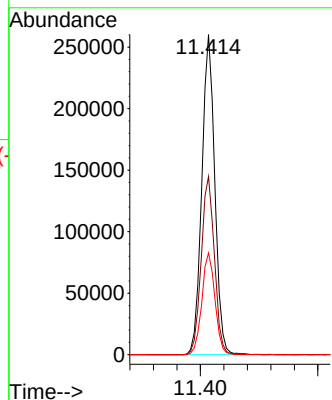
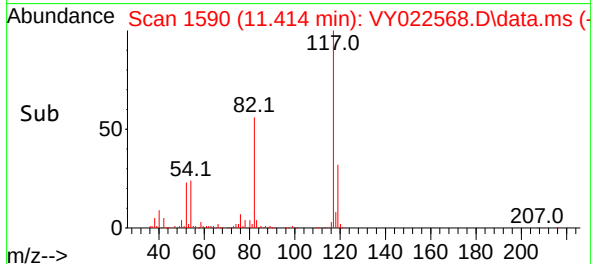
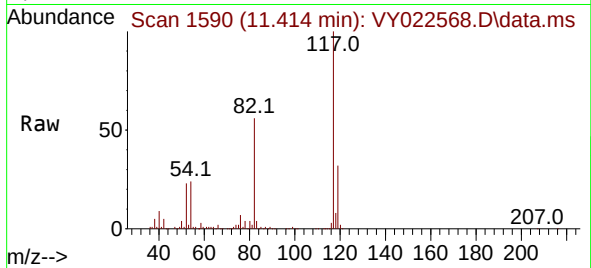




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

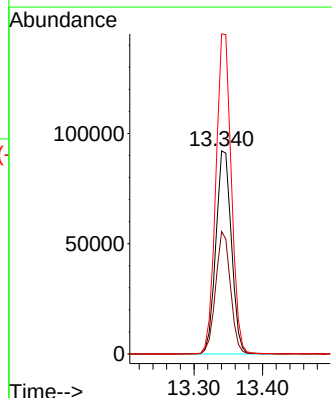
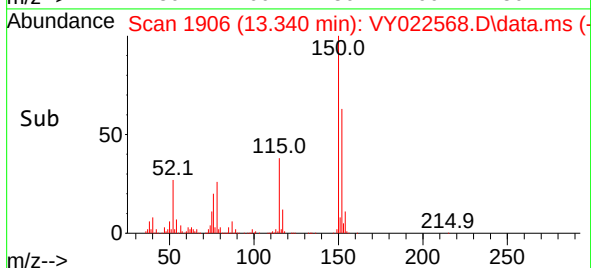
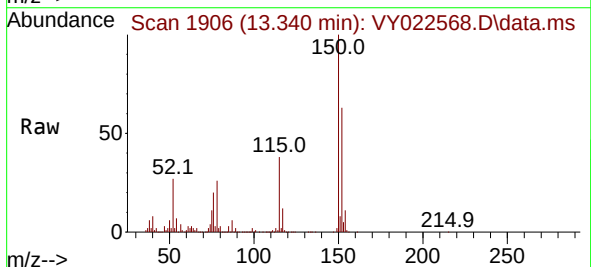
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MSVOA_Y
ClientSampleId :
B-202-SB01

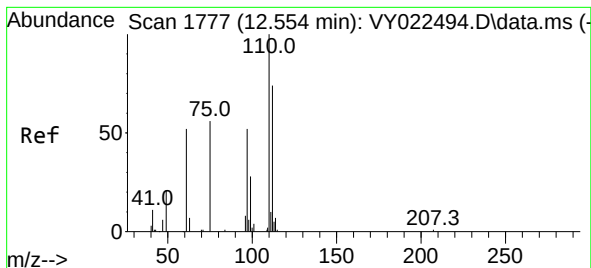
Tgt Ion:117 Resp: 399252
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion:152 Resp: 144715
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.7
150 156.2 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 53.578 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022568.D

Acq: 05 Jun 2025 12:45

Instrument :

MSVOA_Y

ClientSampleId :

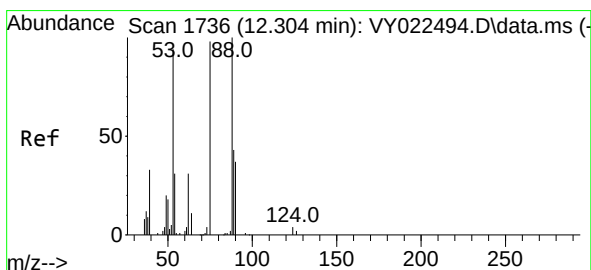
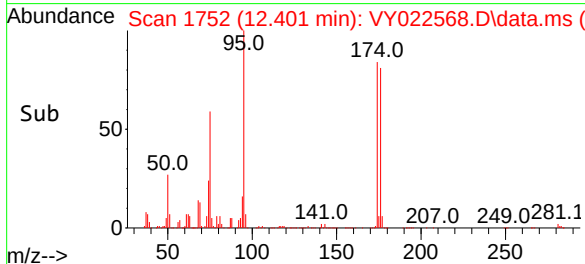
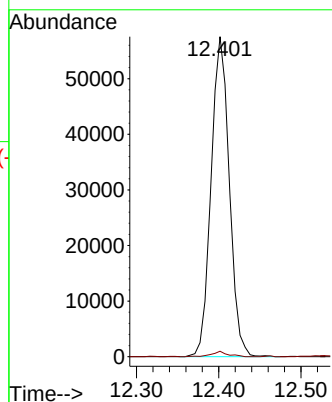
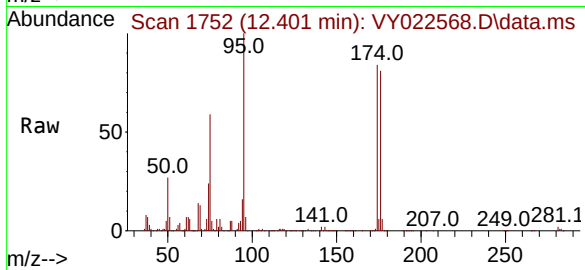
B-202-SB01

Tgt Ion: 75 Resp: 88703

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.387 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022568.D

Acq: 05 Jun 2025 12:45

Tgt Ion: 75 Resp: 88703

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.0 35.7 53.5#

