

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023769.D
 Acq On : 12 Nov 2025 17:18
 Operator : SY/MD
 Sample : Q3614-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

Quant Time: Nov 14 03:41:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	747129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1293422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1145506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	473781	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	394760	61.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.880%
35) Dibromofluoromethane	7.634	113	420174	51.982	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.960%
50) Toluene-d8	10.103	98	1474719	48.978	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.960%
62) 4-Bromofluorobenzene	12.401	95	458179	47.054	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.100%

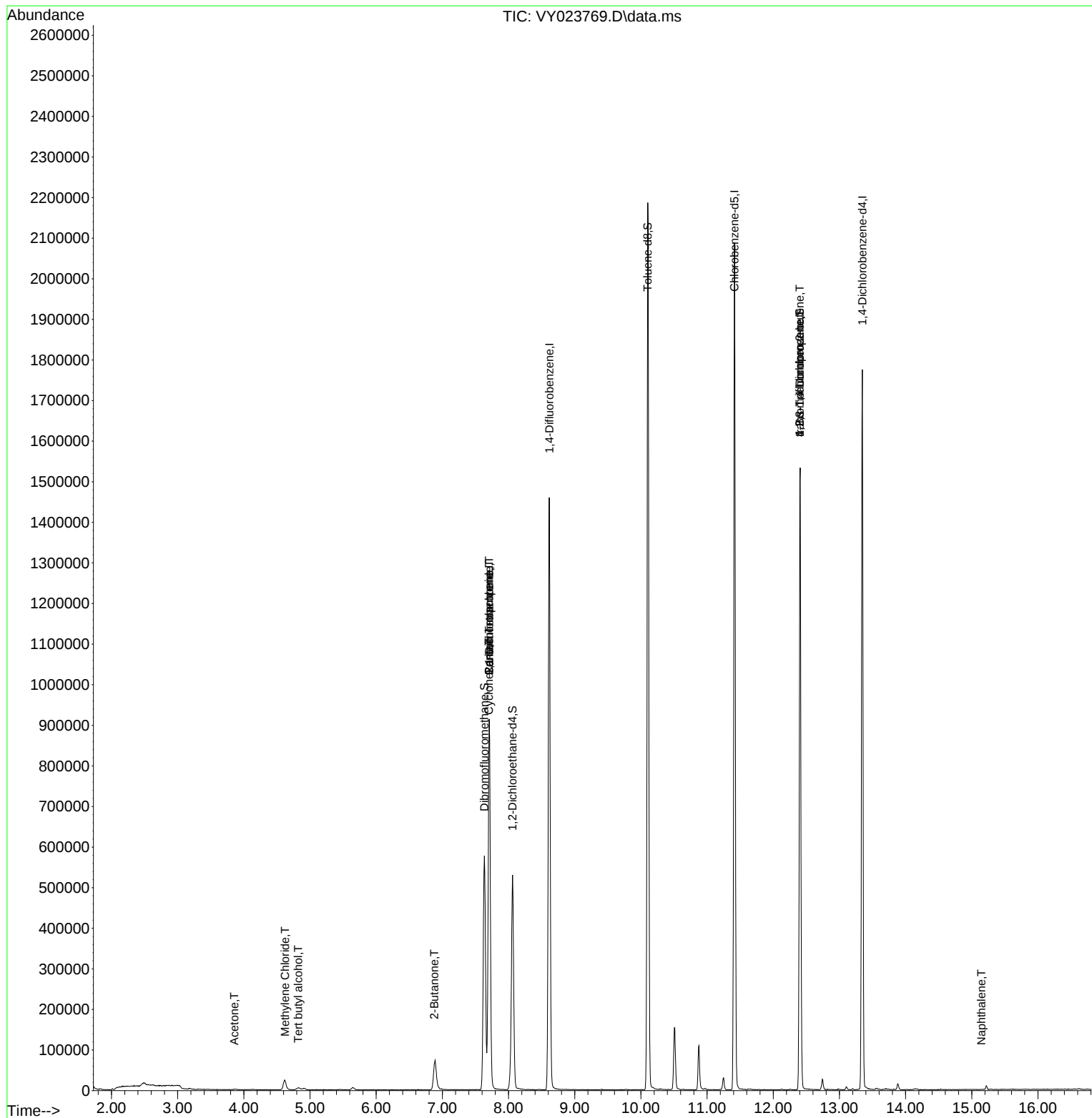
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.824	59	5392	13.121	ug/l #	74
16) Acetone	3.854	43	2342	1.478	ug/l #	64
20) Methylene Chloride	4.622	84	18454	2.413	ug/l	97
25) 2-Butanone	6.878	43	3570	1.949	ug/l #	70
31) Cyclohexane	7.701	56	13314	1.268	ug/l #	4
36) 1,1-Dichloropropene	7.707	75	52332	4.845	ug/l #	47
38) Carbon Tetrachloride	7.707	117	69702	5.477	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	224912	58.657	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	224912	132.561	ug/l #	14
95) Naphthalene	15.145	128	776	5.312	ug/l #	89

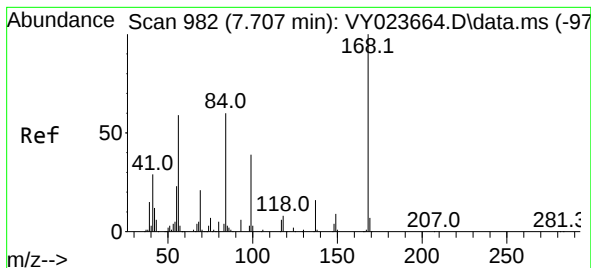
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023769.D
Acq On : 12 Nov 2025 17:18
Operator : SY/MD
Sample : Q3614-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Quant Time: Nov 14 03:41:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY023769.D

Acq: 12 Nov 2025 17:18

Instrument :

MSVOA_Y

ClientSampleId :

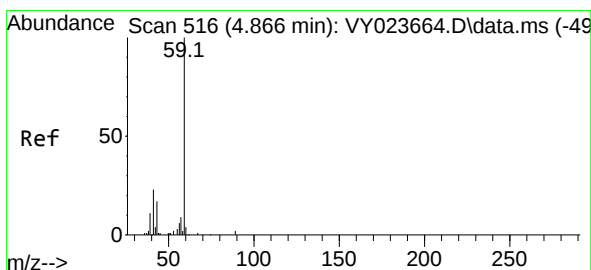
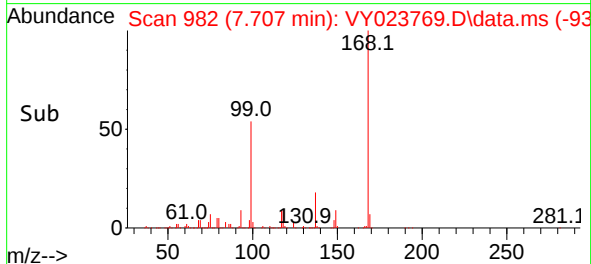
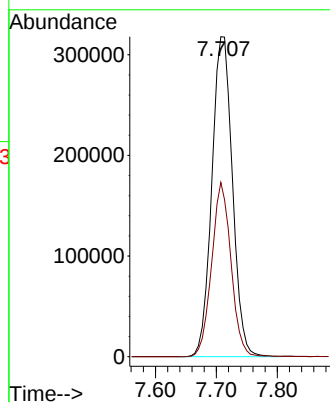
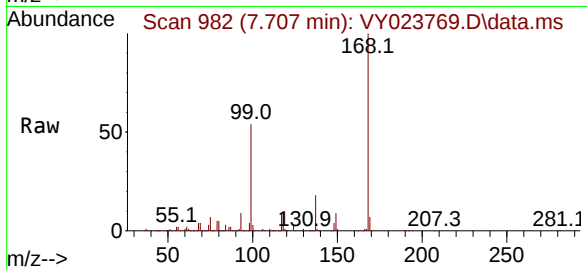
COMP-2

Tgt Ion:168 Resp: 747129

Ion Ratio Lower Upper

168 100

99 54.5 41.0 61.4



#11

Tert butyl alcohol

Concen: 13.121 ug/l

RT: 4.824 min Scan# 509

Delta R.T. -0.043 min

Lab File: VY023769.D

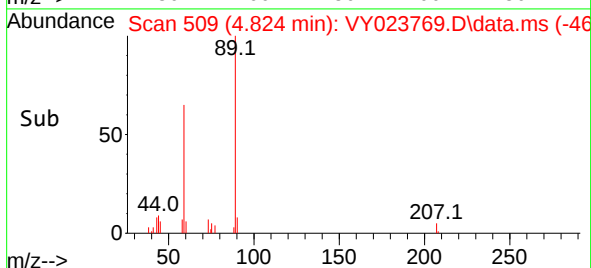
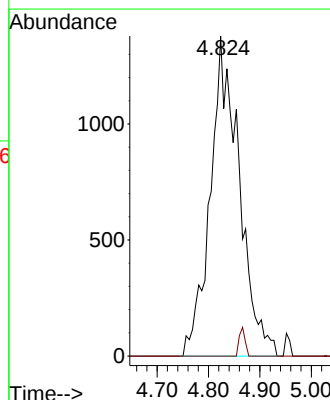
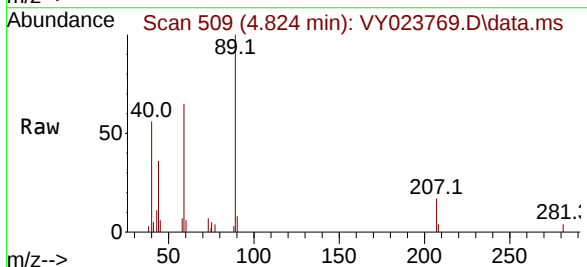
Acq: 12 Nov 2025 17:18

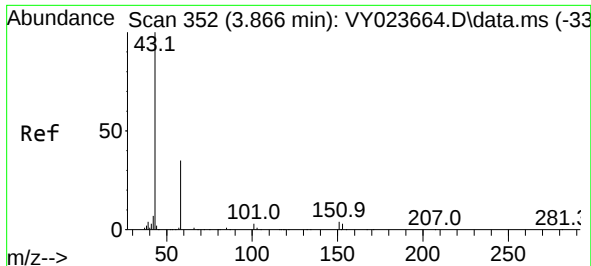
Tgt Ion: 59 Resp: 5392

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#

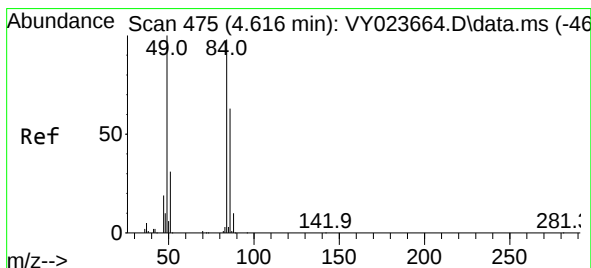
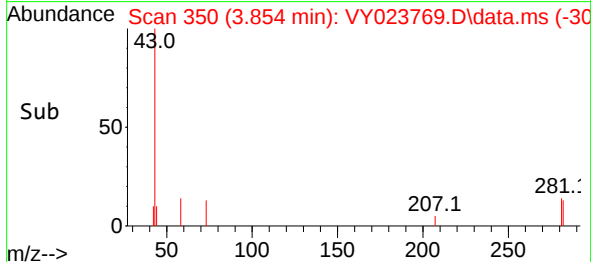
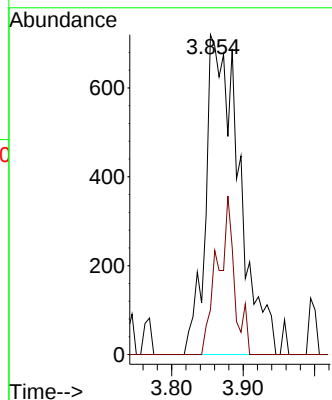
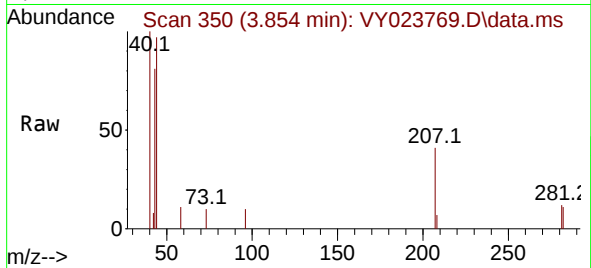




#16
Acetone
Concen: 1.478 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

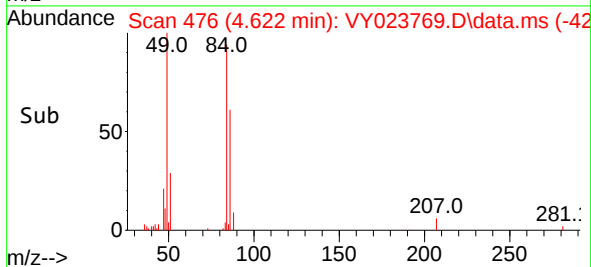
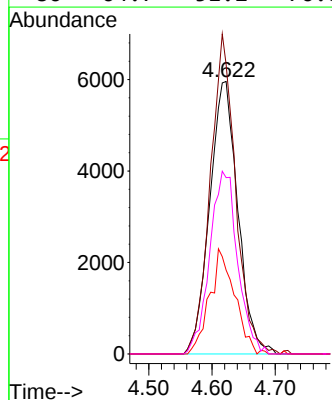
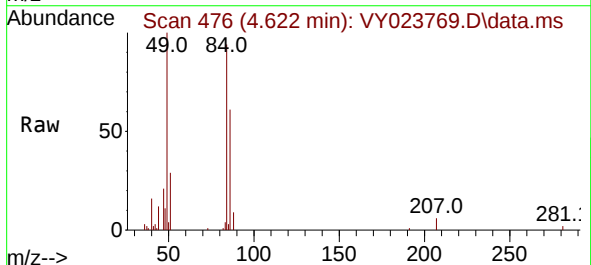
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

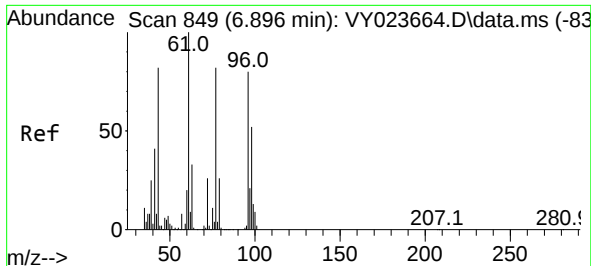
Tgt Ion: 43 Resp: 2342
Ion Ratio Lower Upper
43 100
58 14.0 28.2 42.4#



#20
Methylene Chloride
Concen: 2.413 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

Tgt Ion: 84 Resp: 18454
Ion Ratio Lower Upper
84 100
49 106.2 81.5 122.3
51 30.8 25.5 38.3
86 64.7 51.2 76.8

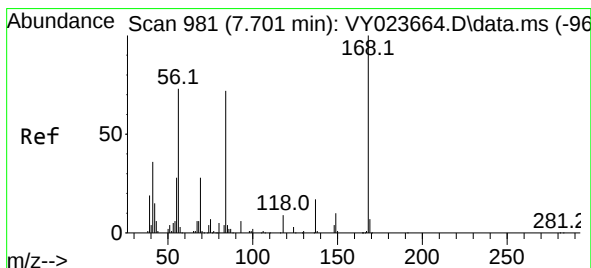
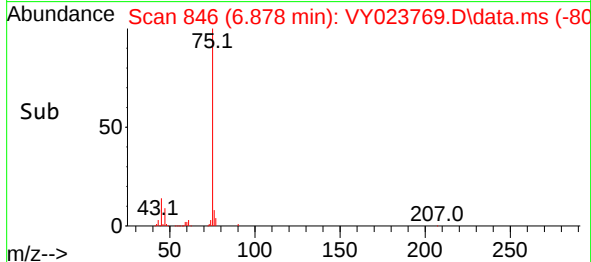
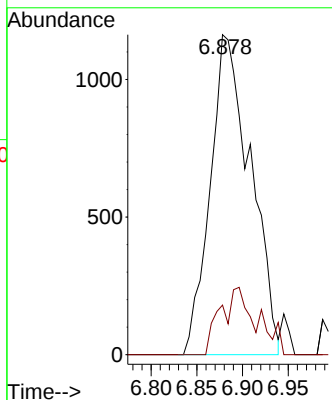
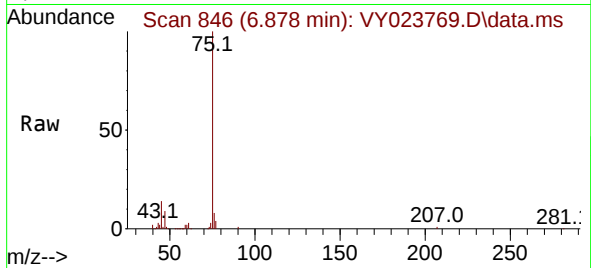




#25
2-Butanone
Concen: 1.949 ug/l
RT: 6.878 min Scan# 849
Delta R.T. -0.018 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

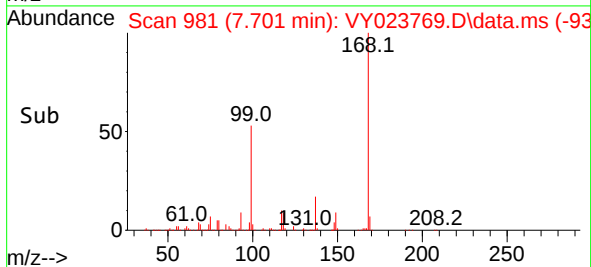
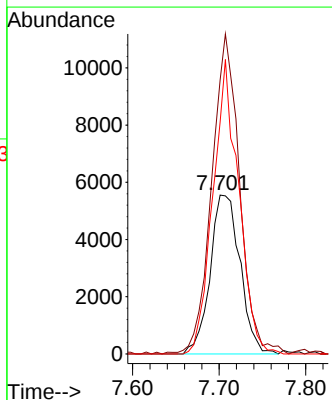
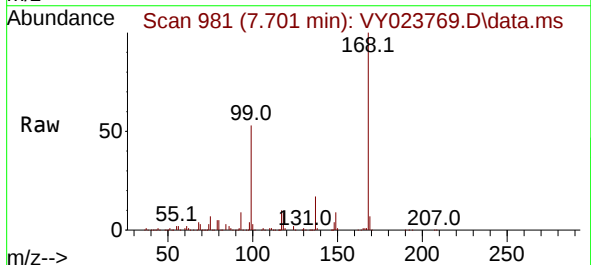
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

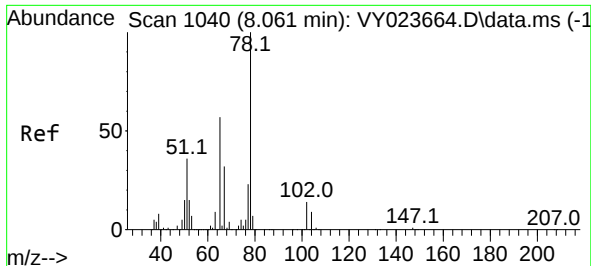
Tgt Ion: 43 Resp: 3570
Ion Ratio Lower Upper
43 100
72 15.5 25.7 38.5#



#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

Tgt Ion: 56 Resp: 13314
Ion Ratio Lower Upper
56 100
69 171.4 30.5 45.7#
84 146.0 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 61.942 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023769.D

Acq: 12 Nov 2025 17:18

Instrument :

MSVOA_Y

ClientSampleId :

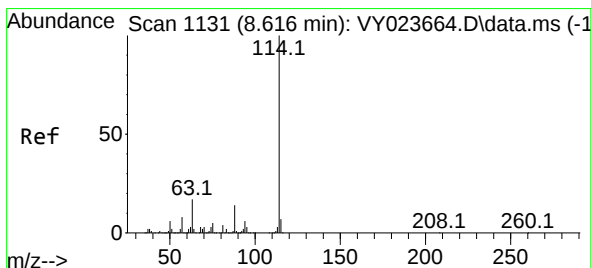
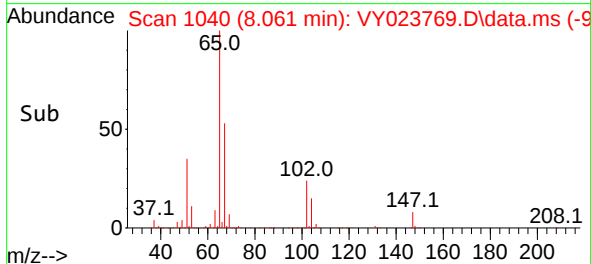
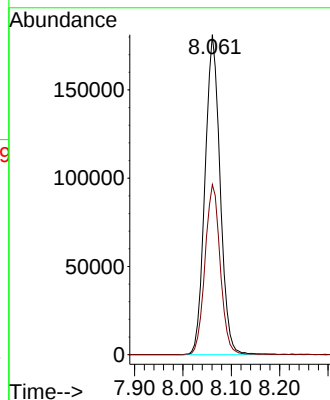
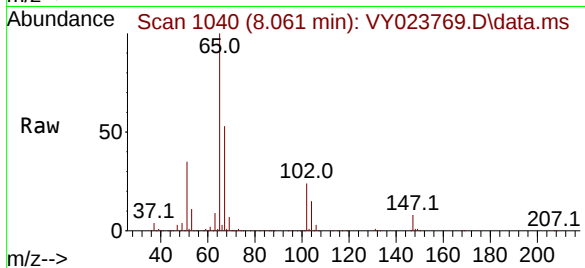
COMP-2

Tgt Ion: 65 Resp: 394760

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023769.D

Acq: 12 Nov 2025 17:18

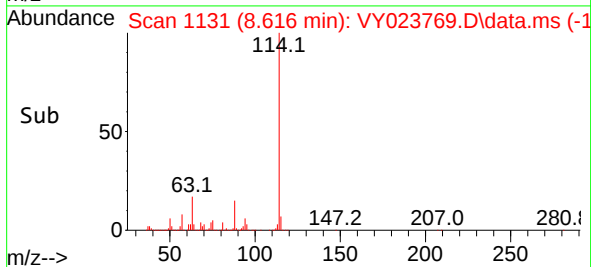
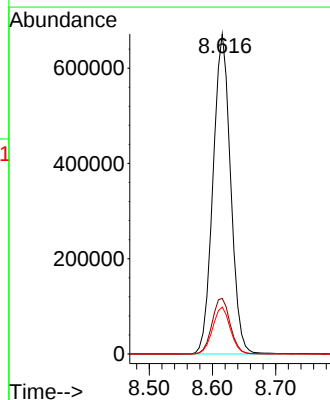
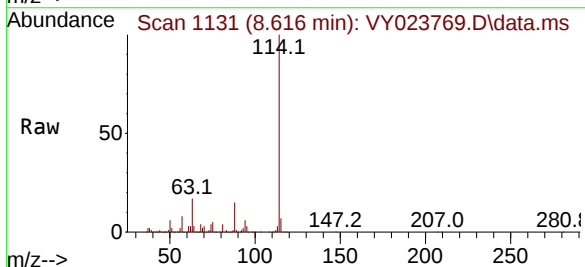
Tgt Ion:114 Resp: 1293422

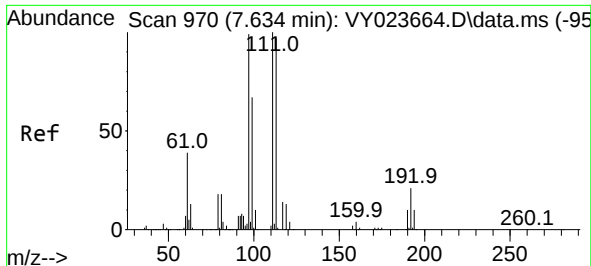
Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.8

88 14.7 0.0 29.0

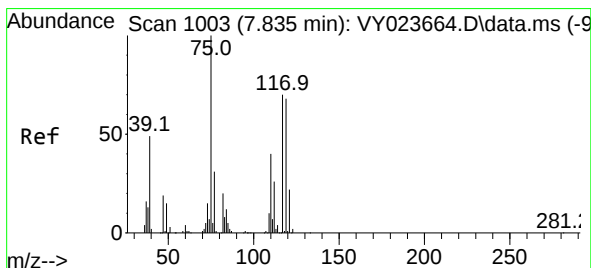
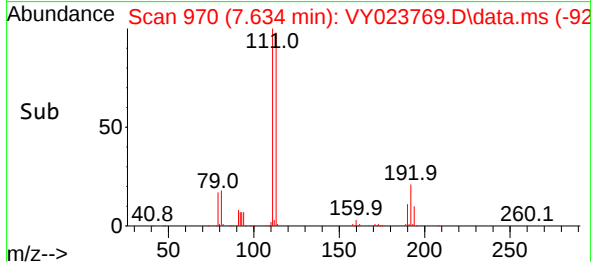
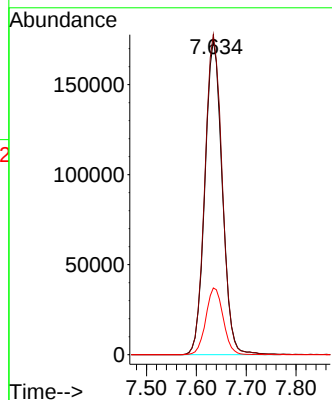
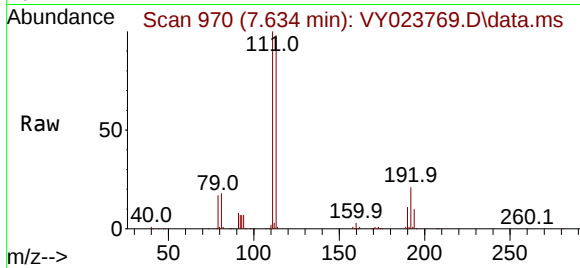




#35
Dibromofluoromethane
Concen: 51.982 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

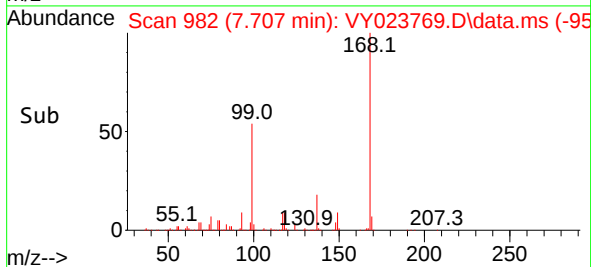
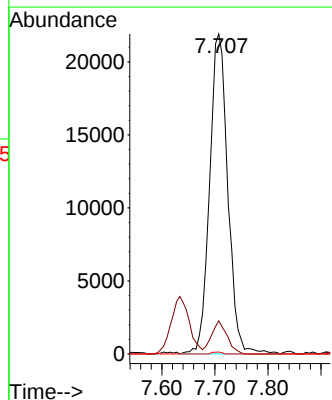
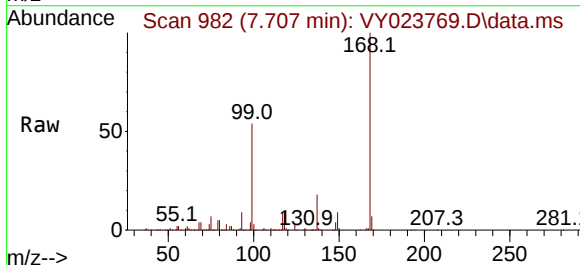
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

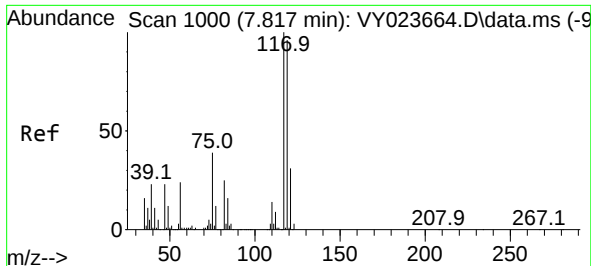
Tgt Ion:113 Resp: 420174
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 21.3 17.3 25.9



#36
1,1-Dichloropropene
Concen: 4.845 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

Tgt Ion: 75 Resp: 52332
Ion Ratio Lower Upper
75 100
110 8.8 19.7 59.0#
77 0.3 25.2 37.8#

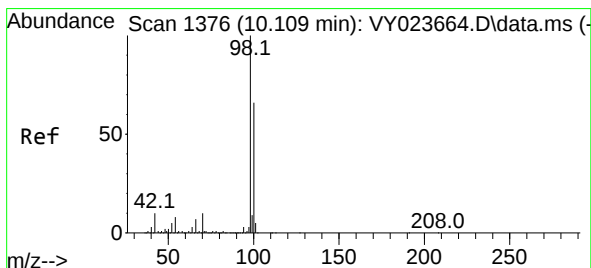
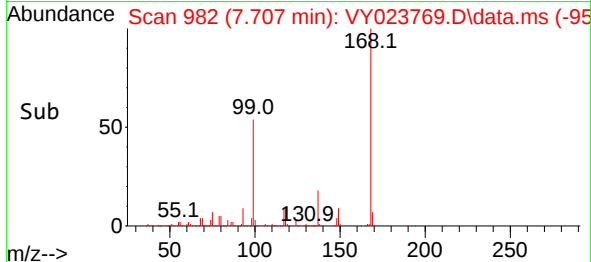
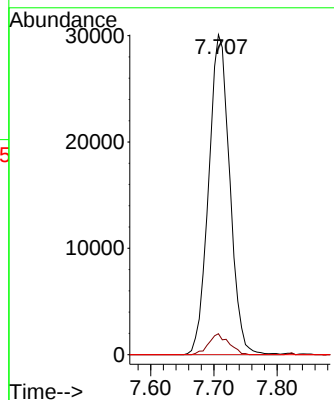
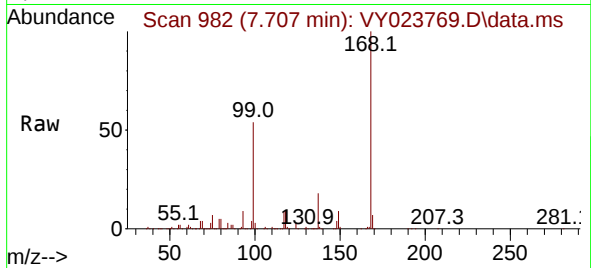




#38
Carbon Tetrachloride
Concen: 5.477 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

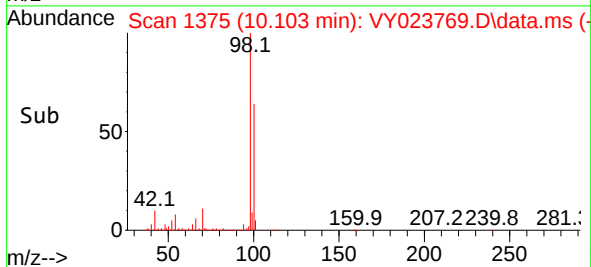
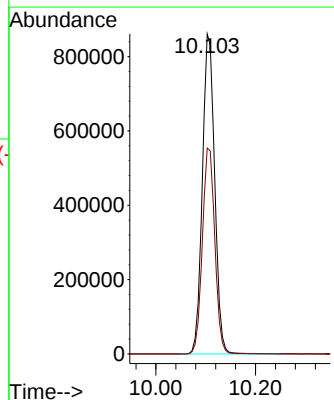
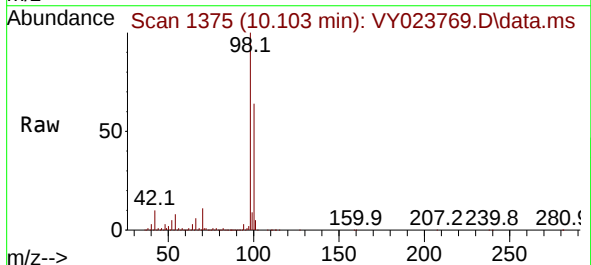
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

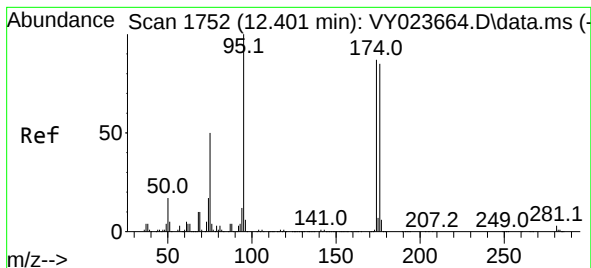
Tgt Ion:117 Resp: 69702
Ion Ratio Lower Upper
117 100
119 6.5 76.3 114.5#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.978 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

Tgt Ion: 98 Resp: 1474719
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1

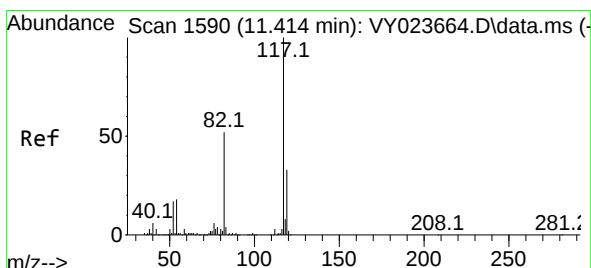
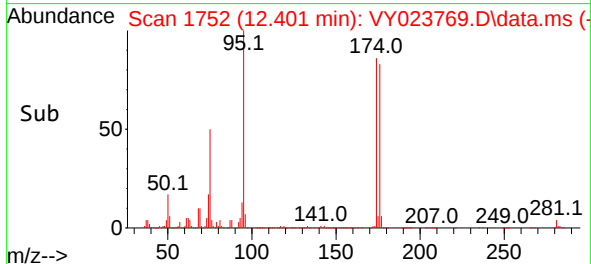
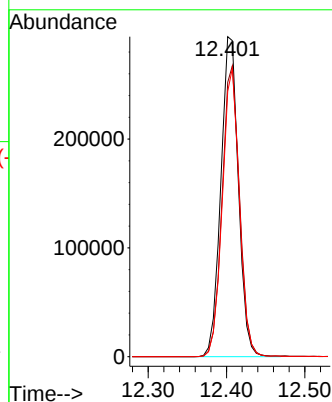
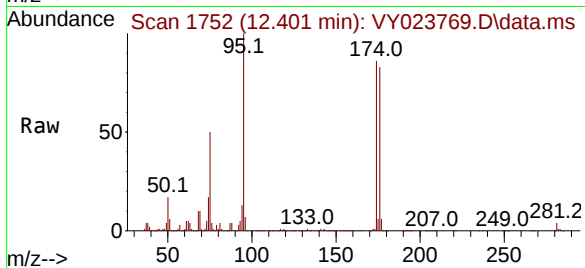




#62
4-Bromofluorobenzene
Concen: 47.054 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

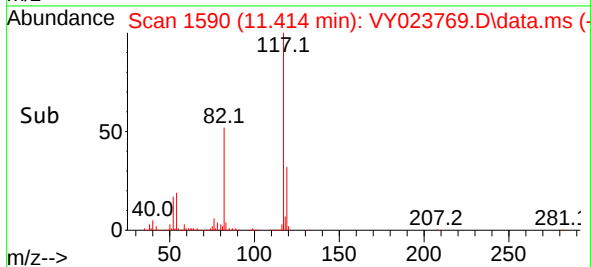
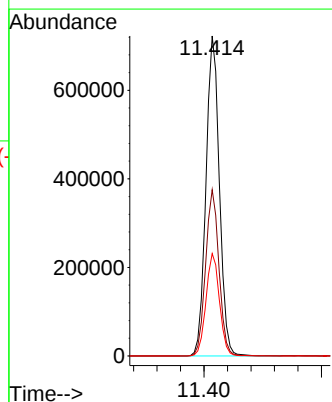
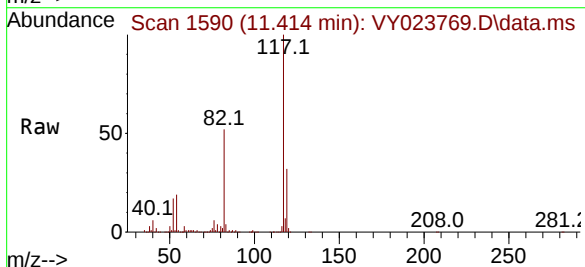
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

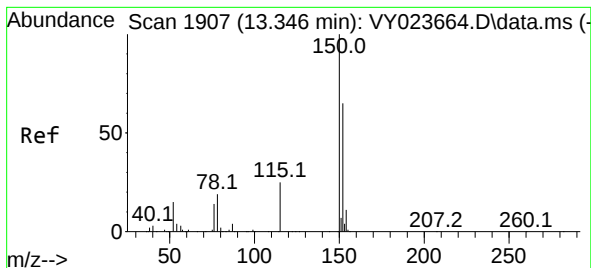
Tgt Ion: 95 Resp: 458179
Ion Ratio Lower Upper
95 100
174 90.6 0.0 184.8
176 88.1 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

Tgt Ion: 117 Resp: 1145506
Ion Ratio Lower Upper
117 100
82 51.9 41.2 61.8
119 32.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023769.D

Acq: 12 Nov 2025 17:18

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

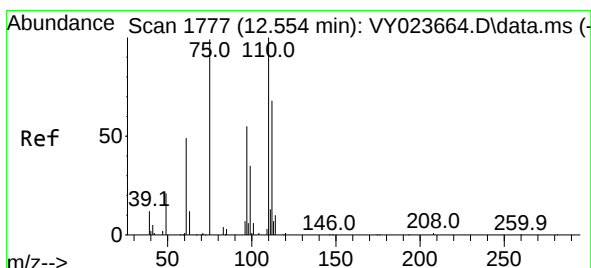
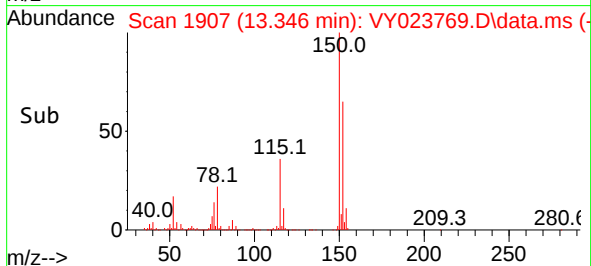
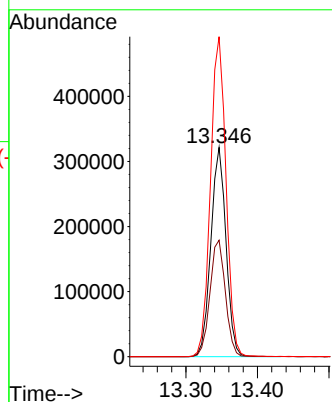
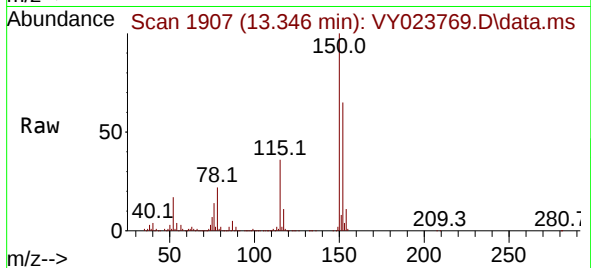
Tgt Ion:152 Resp: 473781

Ion Ratio Lower Upper

152 100

115 56.9 27.5 82.5

150 156.5 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 58.657 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023769.D

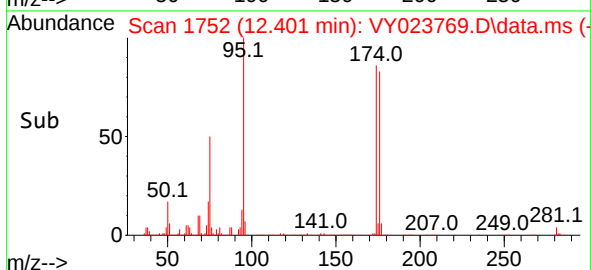
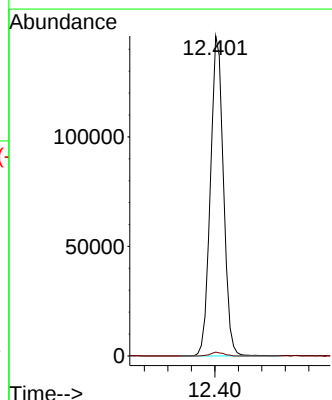
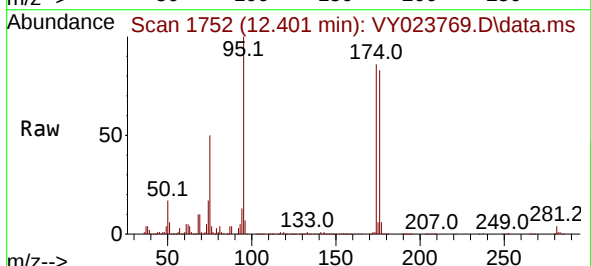
Acq: 12 Nov 2025 17:18

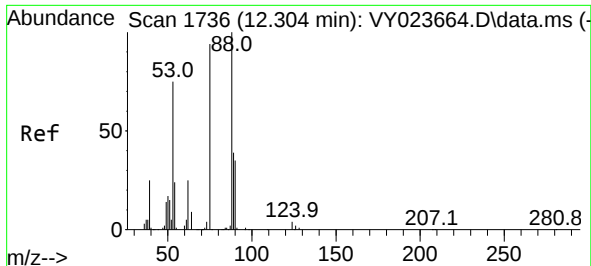
Tgt Ion: 75 Resp: 224912

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

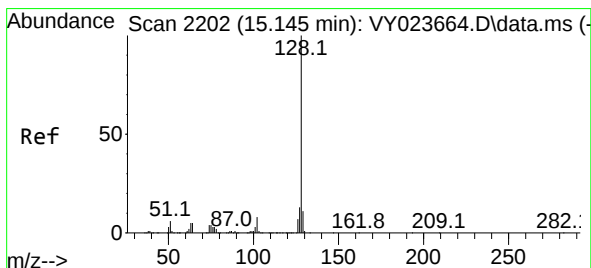
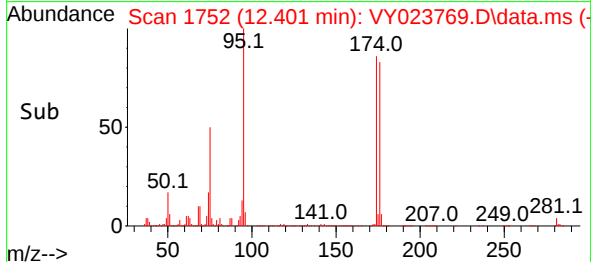
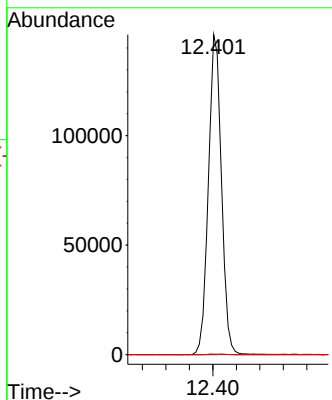
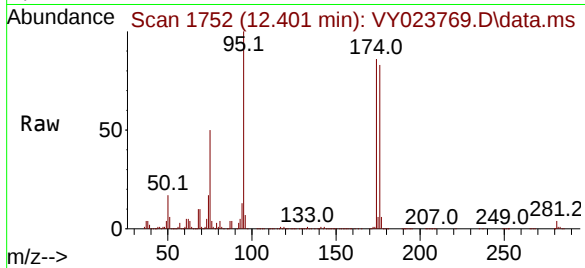




#81
trans-1,4-Dichloro-2-butene
Concen: 132.561 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion: 75 Resp: 224912
Ion Ratio Lower Upper
75 100
53 0.2 69.6 104.4#
89 0.1 38.2 57.4#



#95
Naphthalene
Concen: 5.312 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

Tgt Ion: 128 Resp: 776
Ion Ratio Lower Upper
128 100
127 7.5 10.5 15.7#
129 8.6 8.8 13.2#

