

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022462.D
 Acq On : 29 May 2025 13:12
 Operator : SY/MD
 Sample : Q2150-03
 Misc : 7.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-39

Quant Time: May 30 05:34:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	305036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	550366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	413432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	137454	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	155110	48.276	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.560%
35) Dibromofluoromethane	7.640	113	160938	49.933	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.860%
50) Toluene-d8	10.109	98	654242	49.793	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.580%
62) 4-Bromofluorobenzene	12.408	95	150107	37.768	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.540%

Target Compounds						Qvalue
16) Acetone	3.879	43	9000	17.046	ug/l	100
17) Carbon Disulfide	4.110	76	10283	1.008	ug/l #	95
20) Methylene Chloride	4.622	84	7196	1.930	ug/l	91
31) Cyclohexane	7.713	56	8093	1.309	ug/l #	2
36) 1,1-Dichloropropene	7.713	75	26387	5.159	ug/l #	50
38) Carbon Tetrachloride	7.713	117	32698	6.137	ug/l #	16
40) Benzene	8.085	78	133528	8.774	ug/l	99
51) 4-Methyl-2-Pentanone	10.109	43	3710	1.583	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	91966	66.796	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	91966	151.055	ug/l #	12

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

Quant Time: May 30 05:34:06 2025
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QLast Update : Wed May 28 10:34:06 2025
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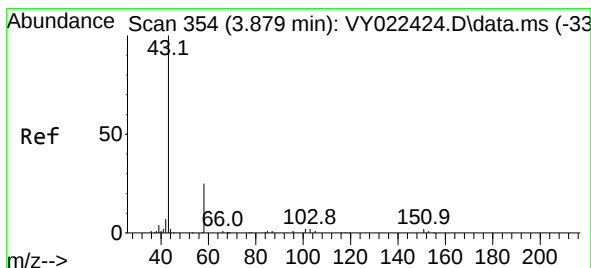
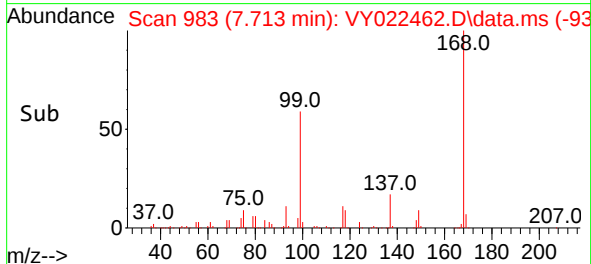
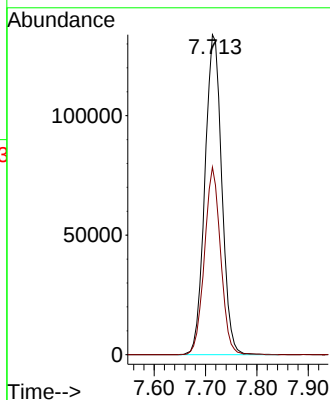
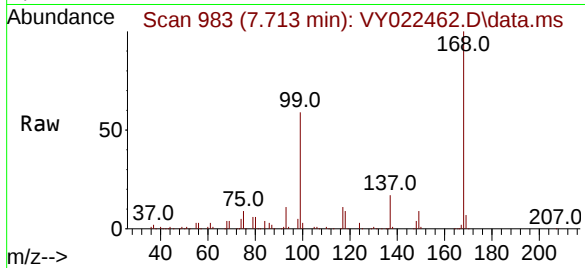




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

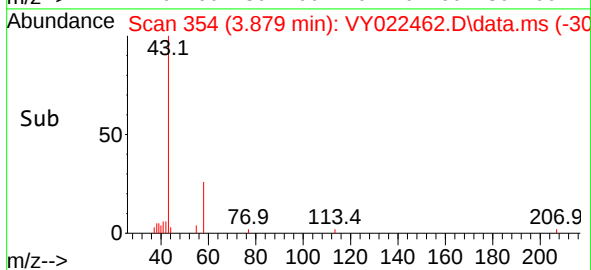
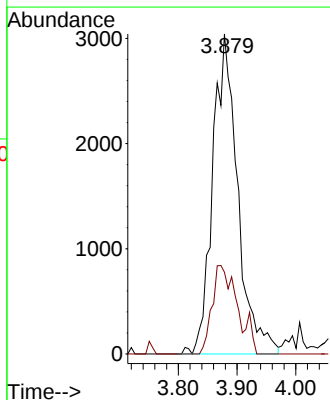
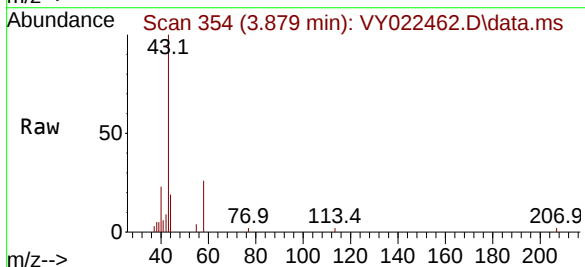
Instrument :
MSVOA_Y
ClientSampleId :
TP-39

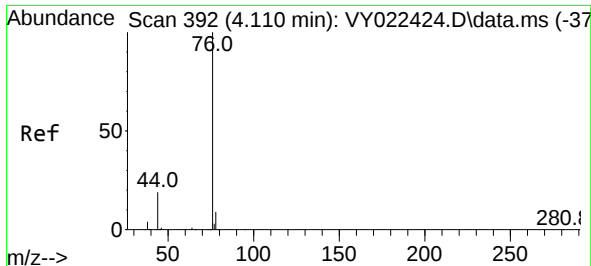
Tgt Ion:168 Resp: 305036
Ion Ratio Lower Upper
168 100
99 58.6 44.7 67.1



#16
Acetone
Concen: 17.046 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion: 43 Resp: 9000
Ion Ratio Lower Upper
43 100
58 25.6 20.6 30.8

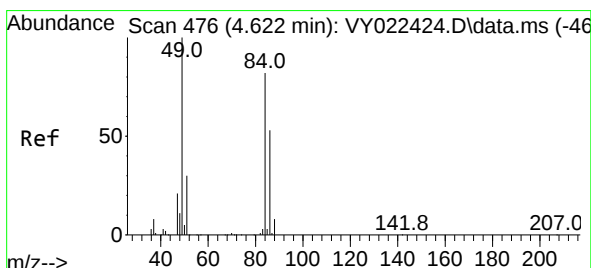
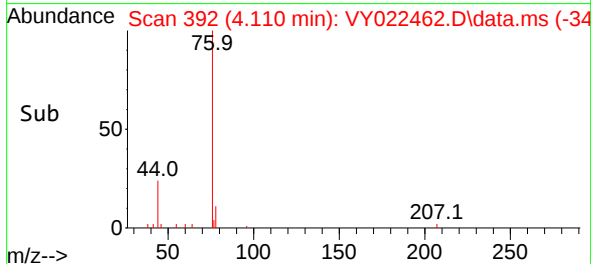
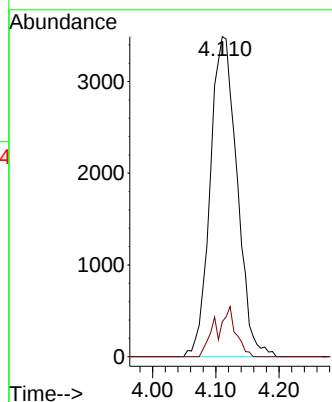
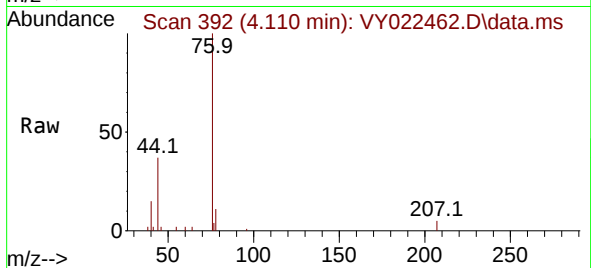




#17
Carbon Disulfide
Concen: 1.008 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

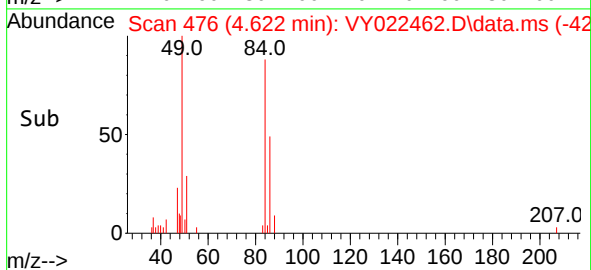
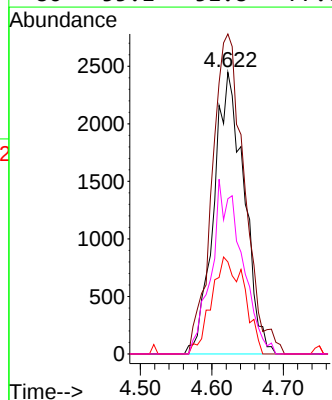
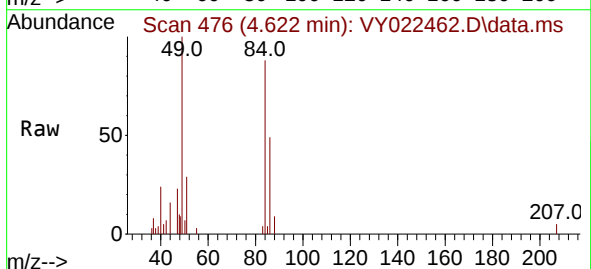
Instrument :
MSVOA_Y
ClientSampleId :
TP-39

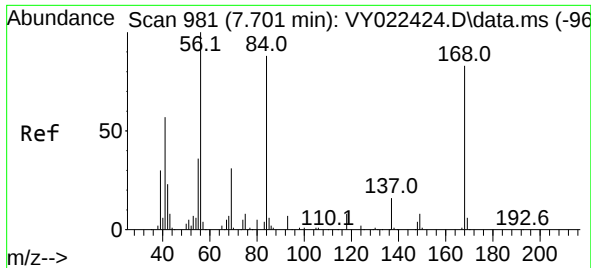
Tgt Ion: 76 Resp: 10283
Ion Ratio Lower Upper
76 100
78 10.9 7.2 10.8#



#20
Methylene Chloride
Concen: 1.930 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion: 84 Resp: 7196
Ion Ratio Lower Upper
84 100
49 113.6 97.8 146.8
51 32.7 29.5 44.3
86 55.1 51.8 77.6

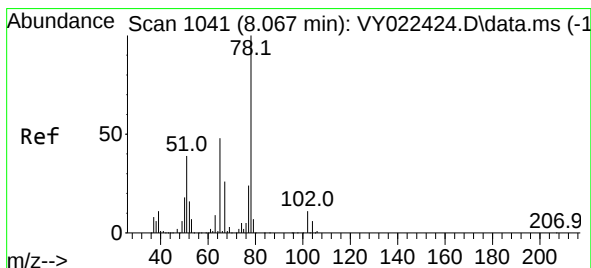
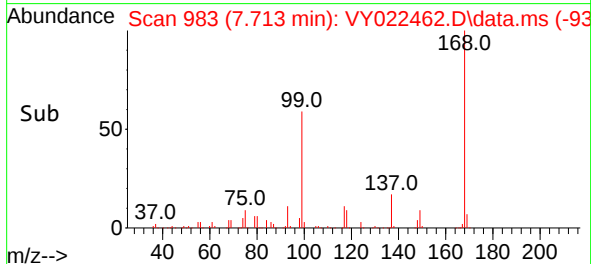
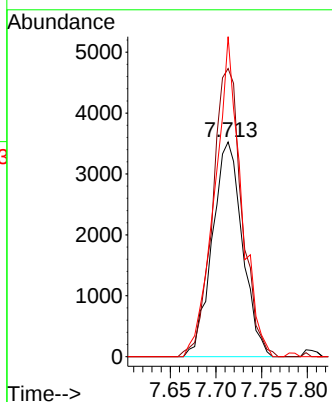
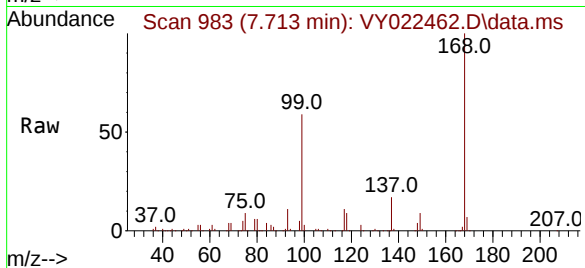




#31
Cyclohexane
Concen: 1.309 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

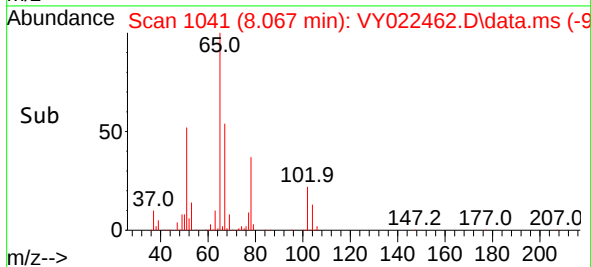
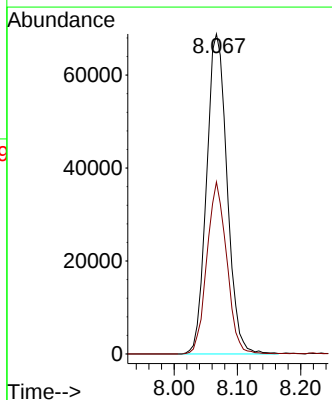
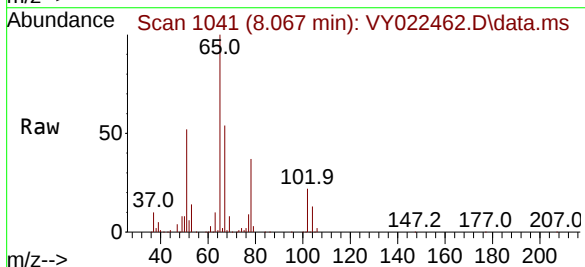
Instrument :
MSVOA_Y
ClientSampleId :
TP-39

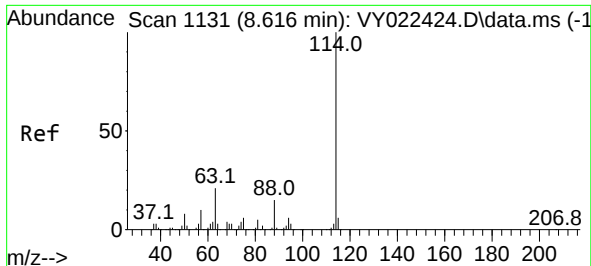
Tgt Ion: 56 Resp: 8093
Ion Ratio Lower Upper
56 100
69 134.2 24.6 36.8#
84 149.1 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 48.276 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion: 65 Resp: 155110
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.4

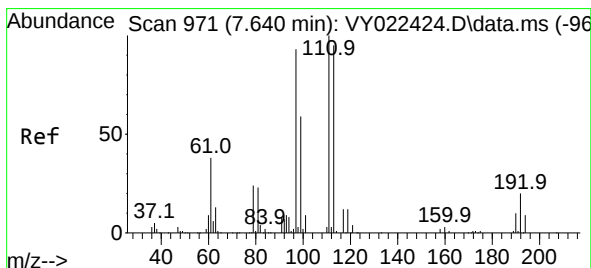
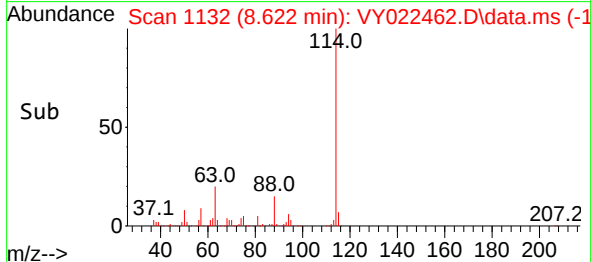
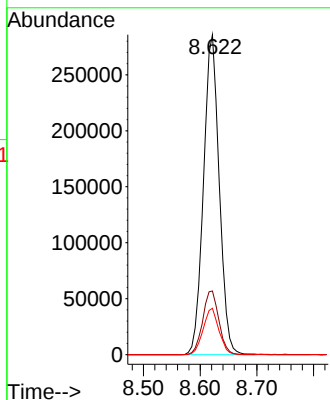
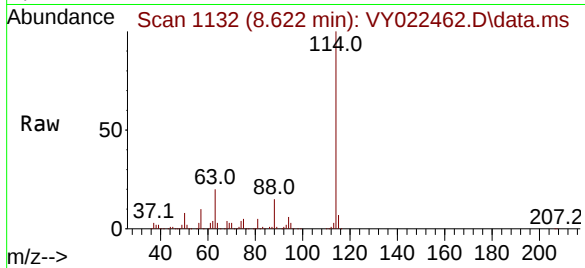




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

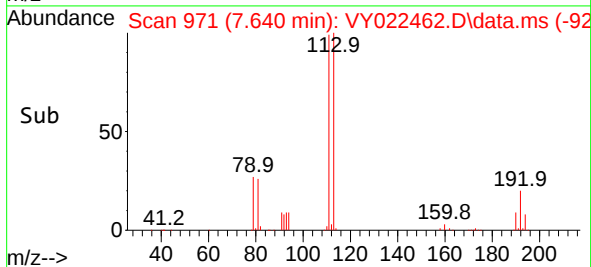
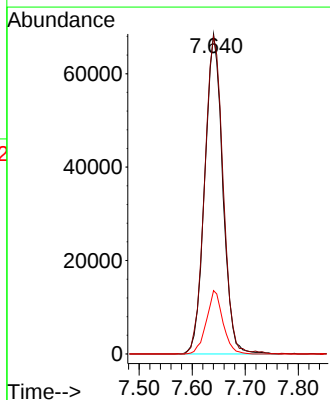
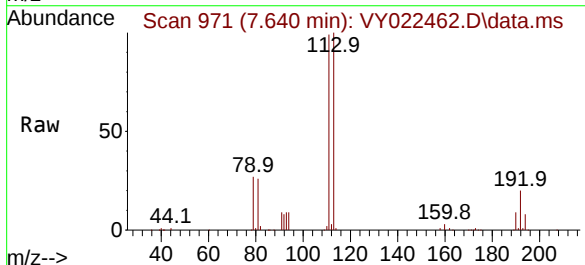
Instrument :
MSVOA_Y
ClientSampleId :
TP-39

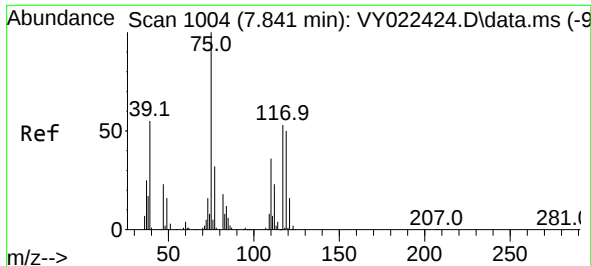
Tgt Ion:114 Resp: 550366
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.6
88 14.5 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.933 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion:113 Resp: 160938
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 18.2 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.159 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY022462.D

Acq: 29 May 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

TP-39

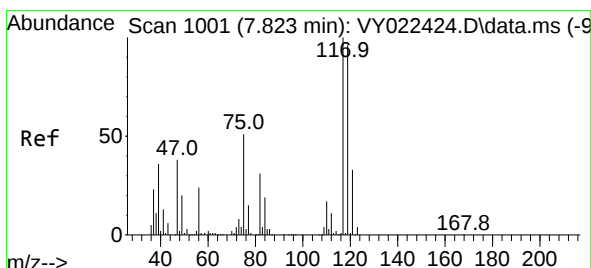
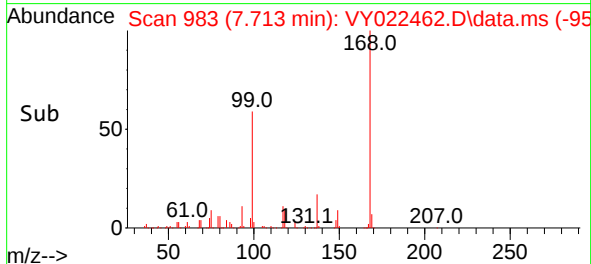
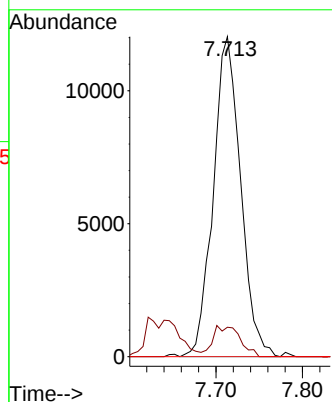
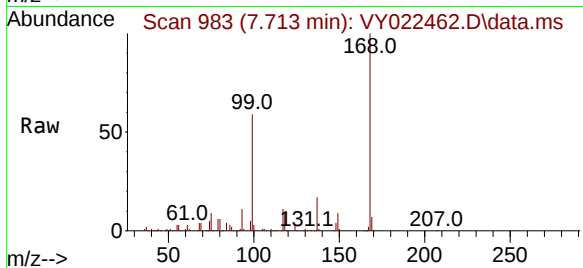
Tgt Ion: 75 Resp: 26387

Ion Ratio Lower Upper

75 100

110 9.5 17.1 51.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.137 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022462.D

Acq: 29 May 2025 13:12

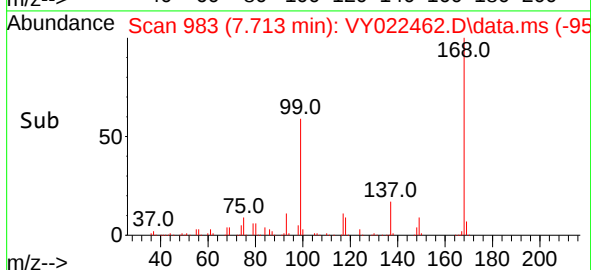
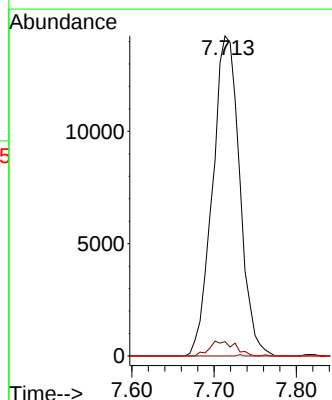
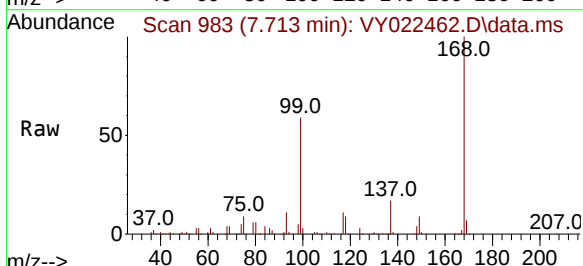
Tgt Ion: 117 Resp: 32698

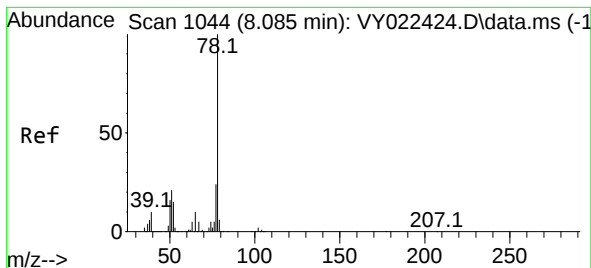
Ion Ratio Lower Upper

117 100

119 4.5 76.3 114.5#

121 0.0 26.1 39.1#





#40

Benzene

Concen: 8.774 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VY022462.D

Acq: 29 May 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

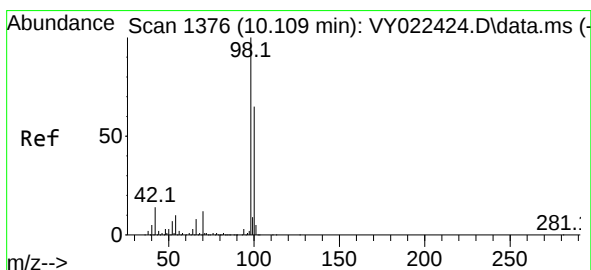
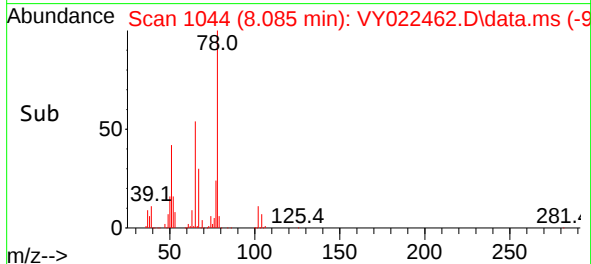
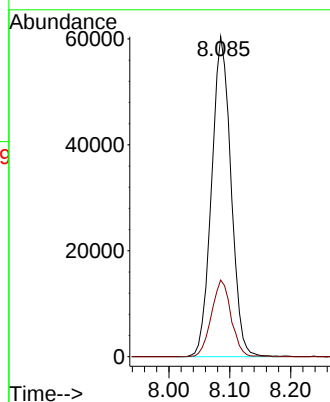
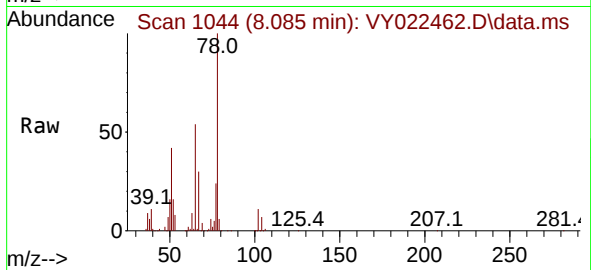
TP-39

Tgt Ion: 78 Resp: 133528

Ion Ratio Lower Upper

78 100

77 23.9 19.4 29.2



#50

Toluene-d8

Concen: 49.793 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022462.D

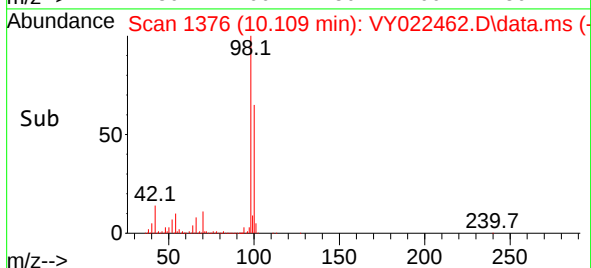
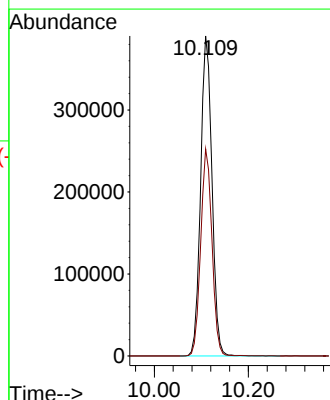
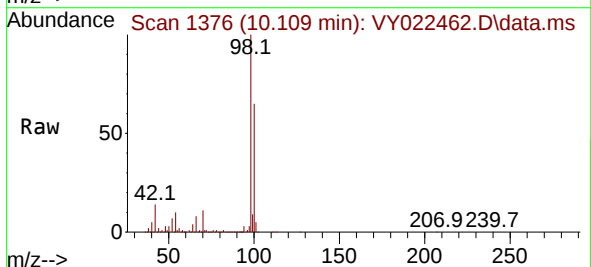
Acq: 29 May 2025 13:12

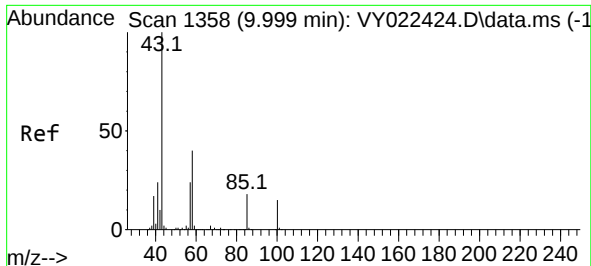
Tgt Ion: 98 Resp: 654242

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2

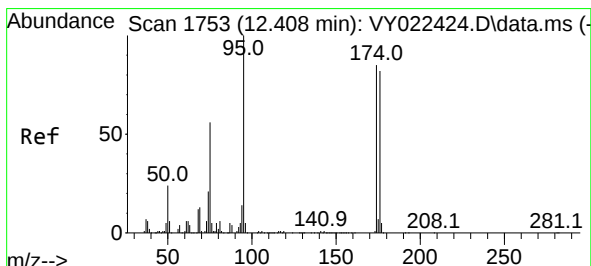
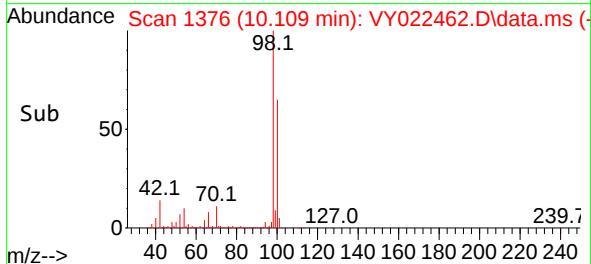
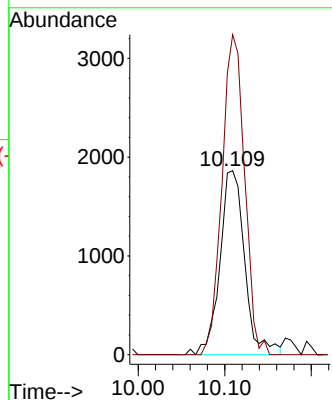
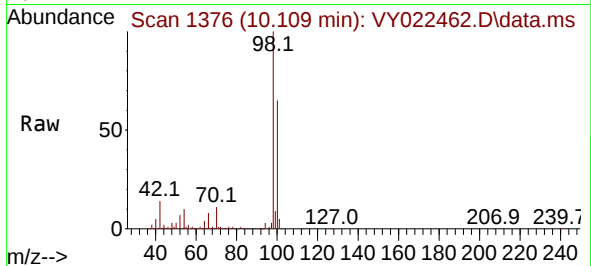




#51
4-Methyl-2-Pentanone
Concen: 1.583 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

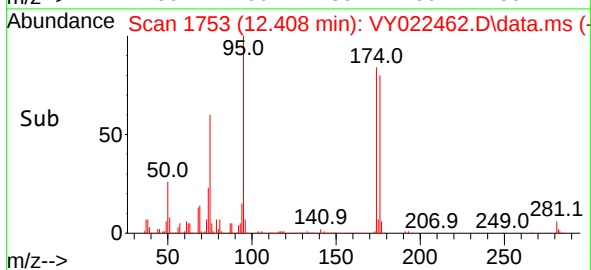
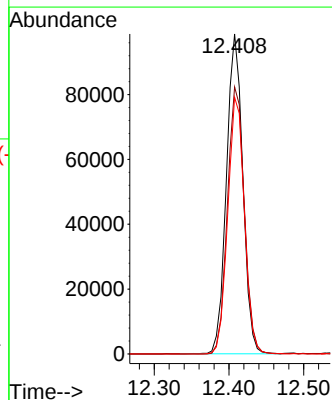
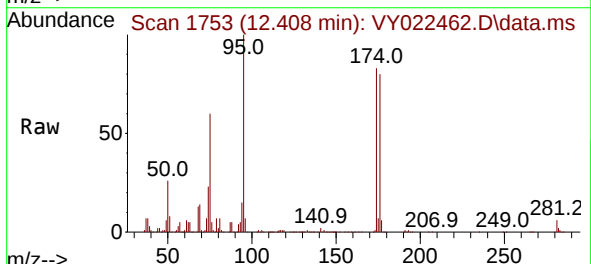
Instrument :
MSVOA_Y
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TP-39

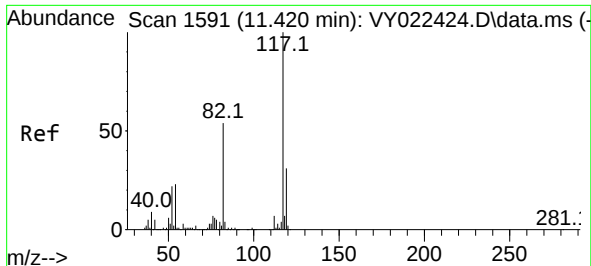
Tgt Ion: 43 Resp: 3710
Ion Ratio Lower Upper
43 100
58 158.1 31.2 46.8#



#62
4-Bromofluorobenzene
Concen: 37.768 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion: 95 Resp: 150107
Ion Ratio Lower Upper
95 100
174 86.3 0.0 171.6
176 81.6 0.0 164.6

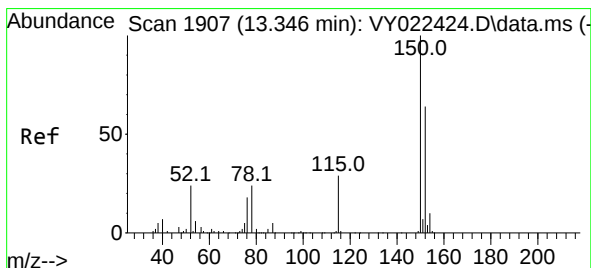
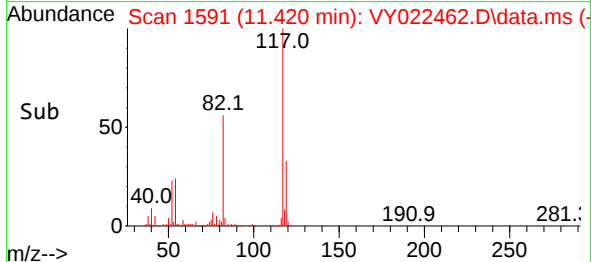
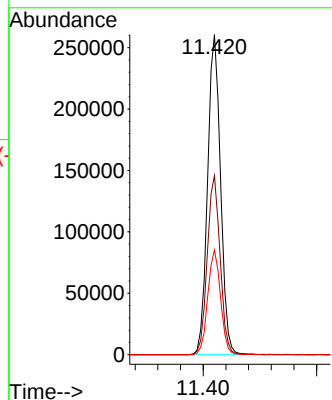
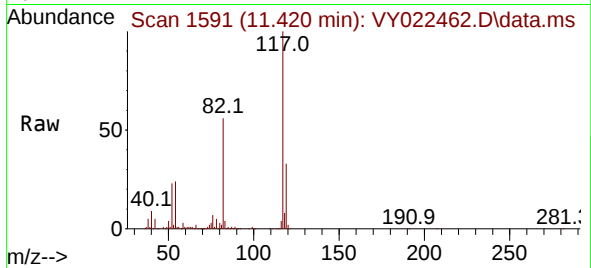




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

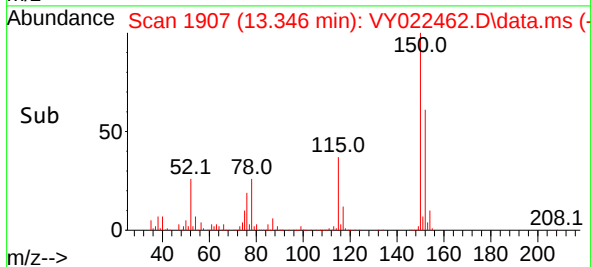
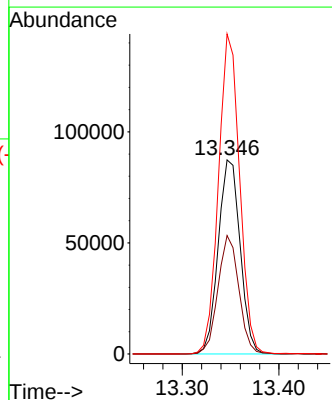
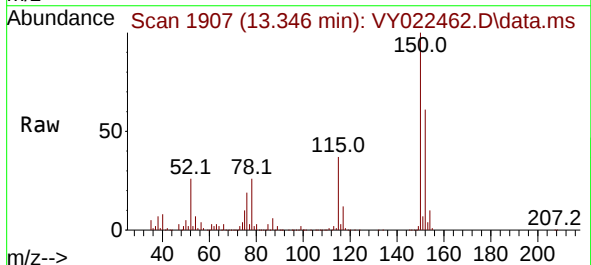
Instrument :
MSVOA_Y
ClientSampleId :
TP-39

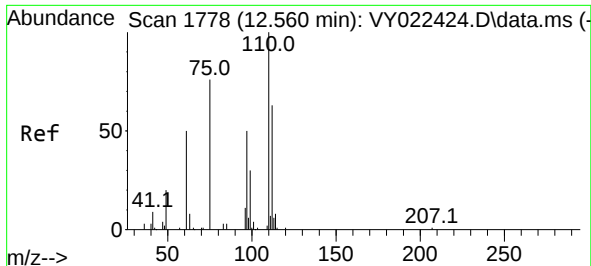
Tgt Ion:117 Resp: 413432
Ion Ratio Lower Upper
117 100
82 56.0 43.3 64.9
119 32.7 24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion:152 Resp: 137454
Ion Ratio Lower Upper
152 100
115 58.2 28.4 85.3
150 159.2 0.0 345.8

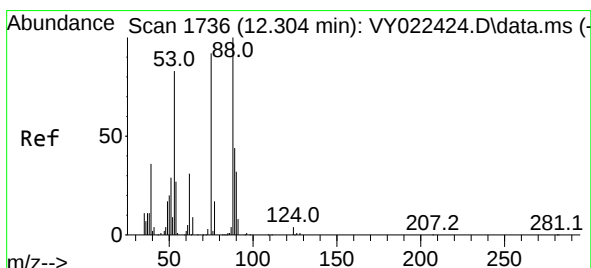
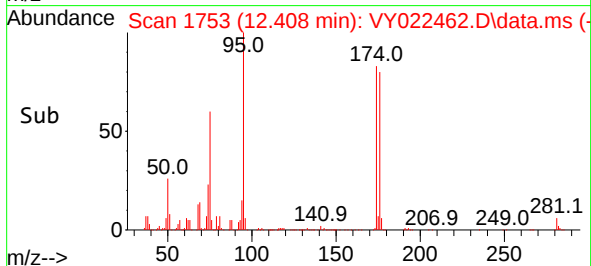
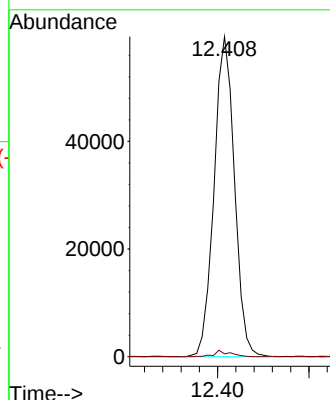
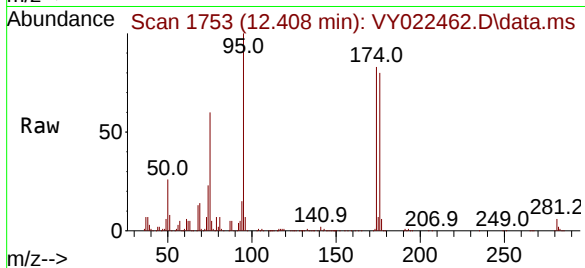




#76
1,2,3-Trichloropropane
Concen: 66.796 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
TP-39

Tgt Ion: 75 Resp: 91966
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 151.055 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion: 75 Resp: 91966
Ion Ratio Lower Upper
75 100
53 0.1 75.1 112.7#
89 0.1 37.4 56.0#

