

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022461.D
 Acq On : 29 May 2025 12:49
 Operator : SY/MD
 Sample : Q2150-02
 Misc : 6.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-42

Quant Time: May 30 05:33:45 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)

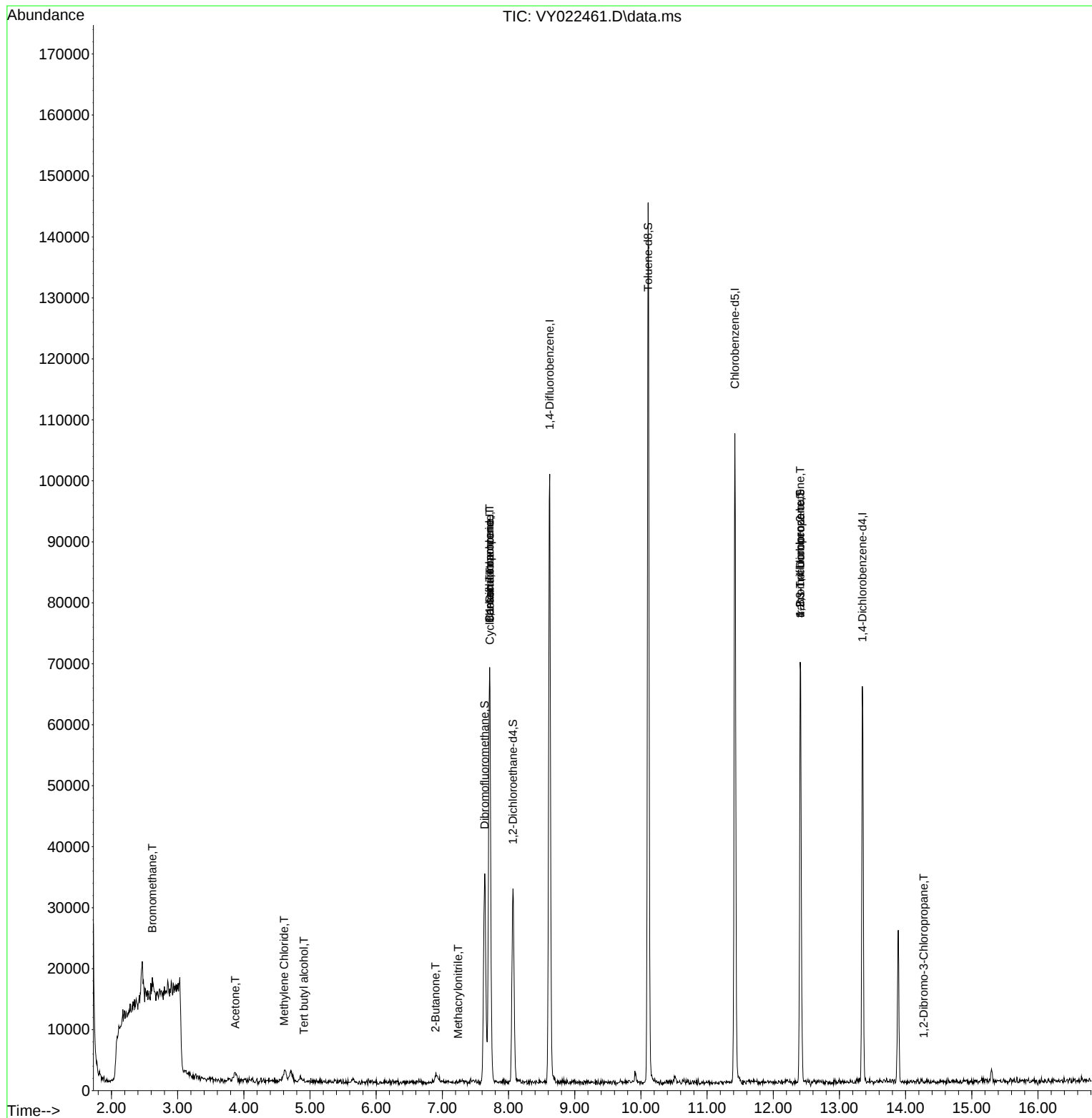
Internal Standards						
1) Pentafluorobenzene	7.713	168	51659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	80393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	54066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	14413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	23943	44.002	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.000%
35) Dibromofluoromethane	7.640	113	24189	51.378	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.760%
50) Toluene-d8	10.109	98	90655	47.234	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.460%
62) 4-Bromofluorobenzene	12.408	95	17581	30.283	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.560%
Target Compounds						
					Qvalue	
5) Bromomethane	2.617	94	1802	1.346	ug/l	90
11) Tert butyl alcohol	4.909	59	84	2.190	ug/l #	70
16) Acetone	3.872	43	2297	25.690	ug/l #	83
20) Methylene Chloride	4.610	84	1143	1.810	ug/l #	69
25) 2-Butanone	6.896	43	319	2.142	ug/l #	55
31) Cyclohexane	7.719	56	1470	1.404	ug/l #	59
36) 1,1-Dichloropropene	7.713	75	4828	6.462	ug/l #	49
38) Carbon Tetrachloride	7.713	117	5067	6.511	ug/l #	17
41) Methacrylonitrile	7.238	41	277	1.437	ug/l #	50
76) 1,2,3-Trichloropropane	12.408	75	10978	76.041	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	10978	171.963	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.273	75	49	1.774	ug/l #	1

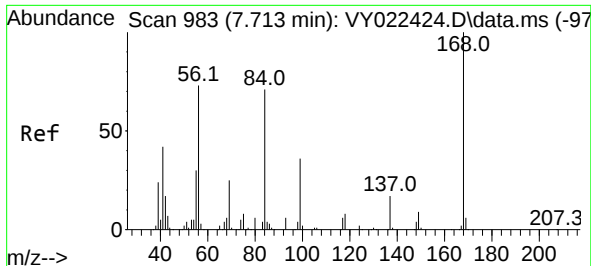
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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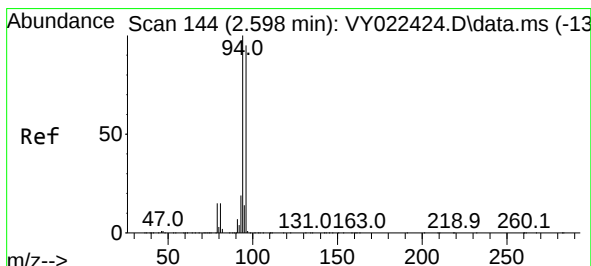
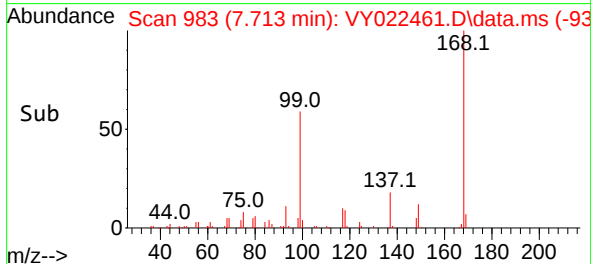
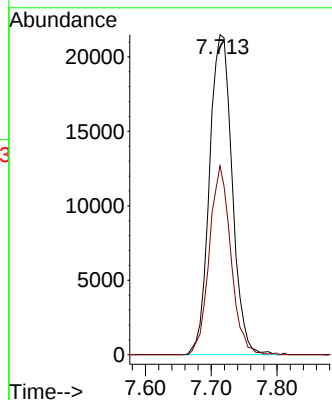
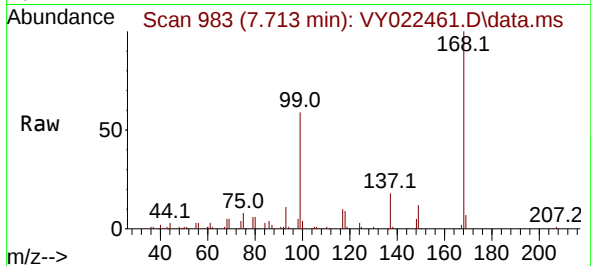




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

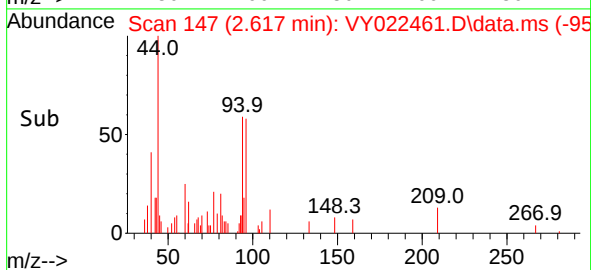
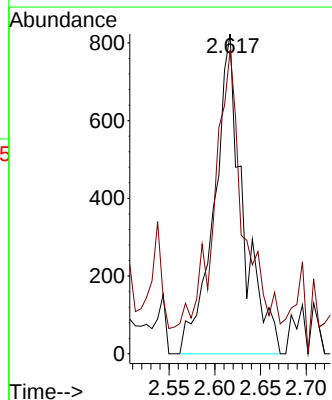
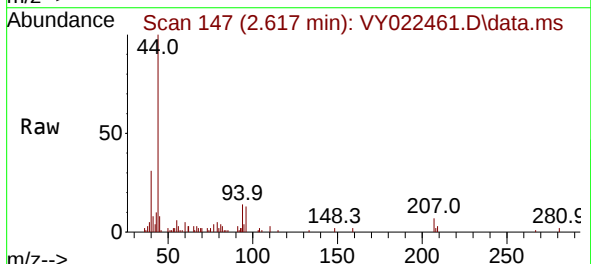
Instrument :
MSVOA_Y
ClientSampleId :
TP-42

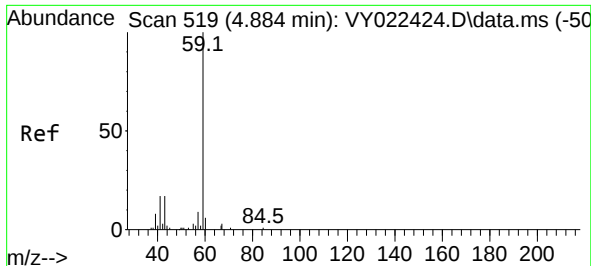
Tgt Ion:168 Resp: 51659
Ion Ratio Lower Upper
168 100
99 59.0 44.7 67.1



#5
Bromomethane
Concen: 1.346 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.018 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

Tgt Ion: 94 Resp: 1802
Ion Ratio Lower Upper
94 100
96 85.5 76.0 114.0





#11

Tert butyl alcohol

Concen: 2.190 ug/l

RT: 4.909 min Scan# 51

Delta R.T. 0.024 min

Lab File: VY022461.D

Acq: 29 May 2025 12:49

Instrument :

MSVOA_Y

ClientSampleId :

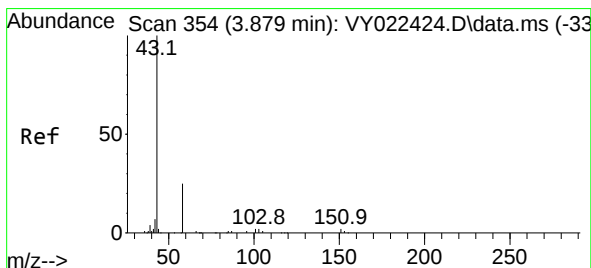
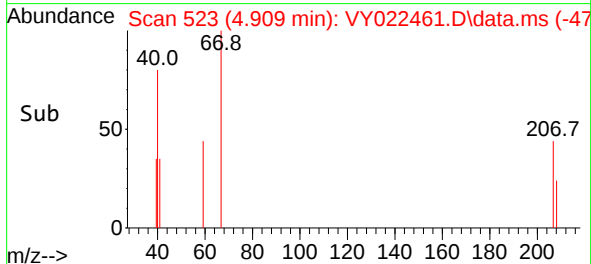
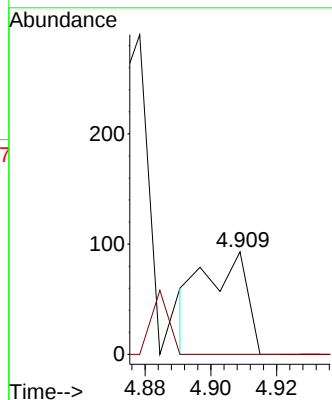
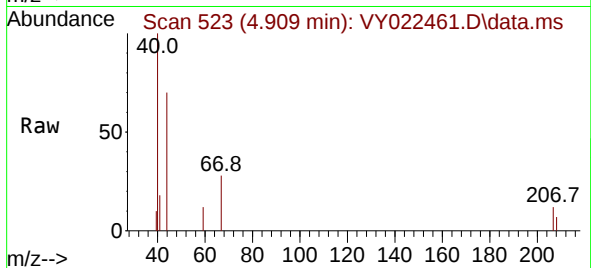
TP-42

Tgt Ion: 59 Resp: 84

Ion Ratio Lower Upper

59 100

57 0.0 9.1 13.7#



#16

Acetone

Concen: 25.690 ug/l

RT: 3.872 min Scan# 353

Delta R.T. -0.006 min

Lab File: VY022461.D

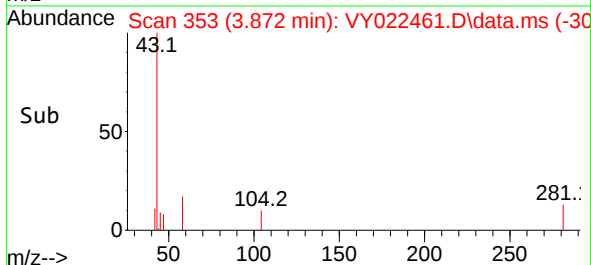
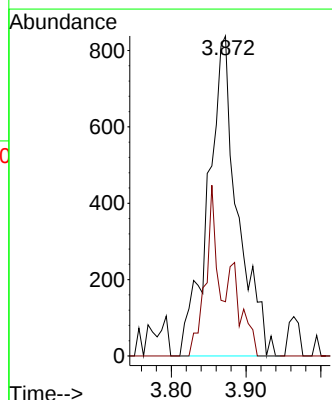
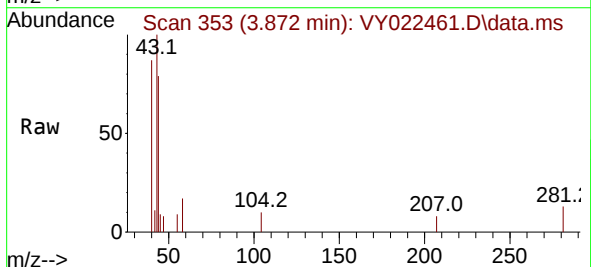
Acq: 29 May 2025 12:49

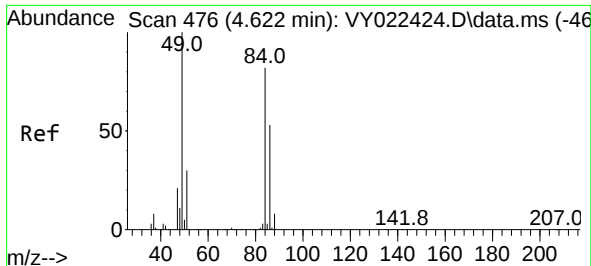
Tgt Ion: 43 Resp: 2297

Ion Ratio Lower Upper

43 100

58 16.9 20.6 30.8#

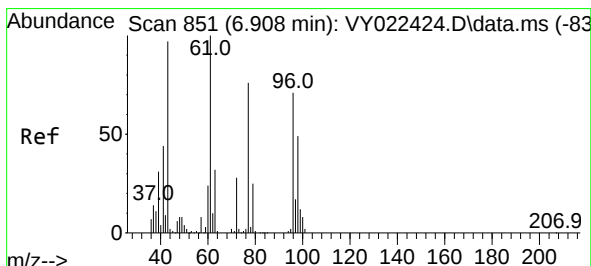
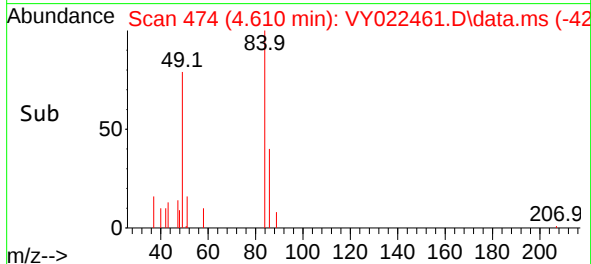
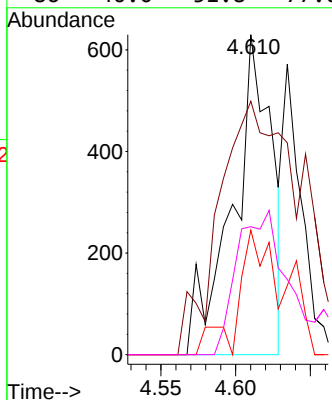
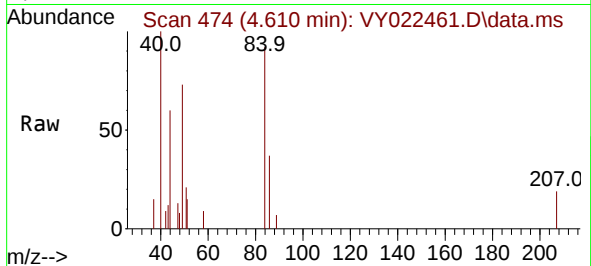




#20
Methylene Chloride
Concen: 1.810 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

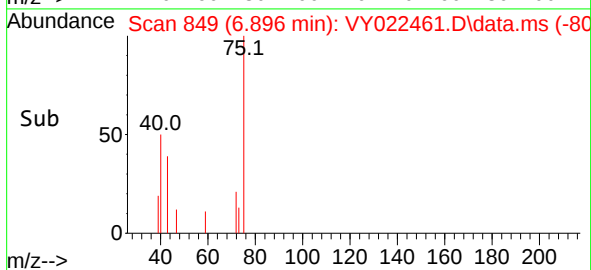
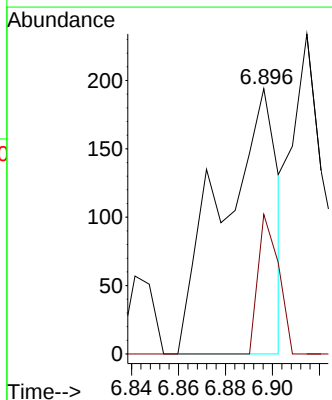
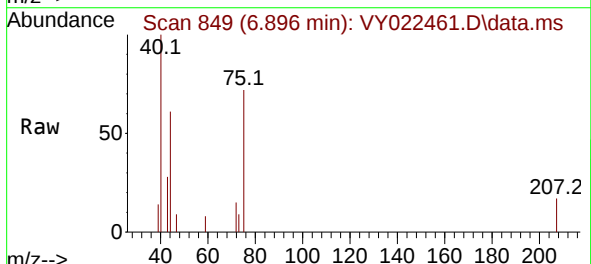
Instrument :
MSVOA_Y
ClientSampleId :
TP-42

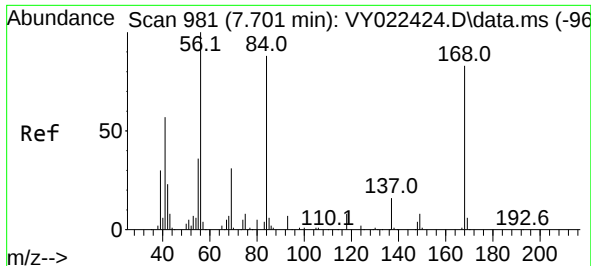
Tgt Ion: 84 Resp: 1143
Ion Ratio Lower Upper
84 100
49 79.2 97.8 146.8#
51 38.9 29.5 44.3
86 40.0 51.8 77.6#



#25
2-Butanone
Concen: 2.142 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

Tgt Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
72 52.6 22.8 34.2#

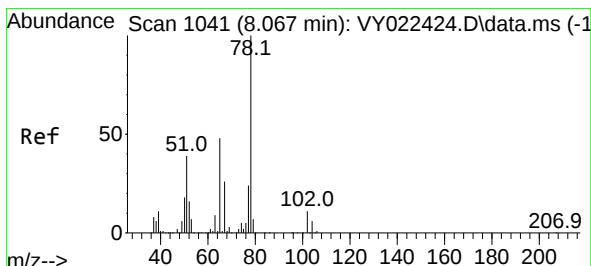
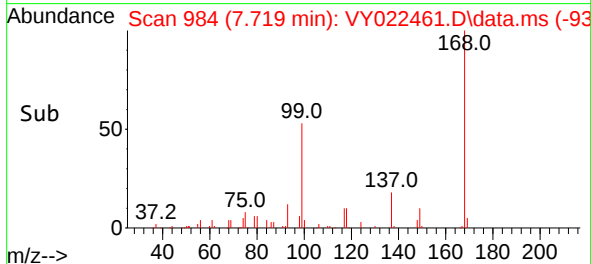
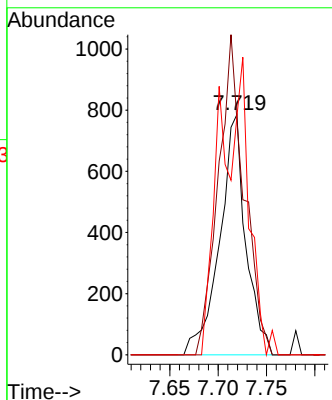
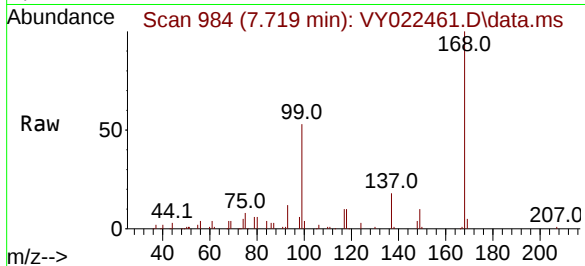




#31
Cyclohexane
Concen: 1.404 ug/l
RT: 7.719 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

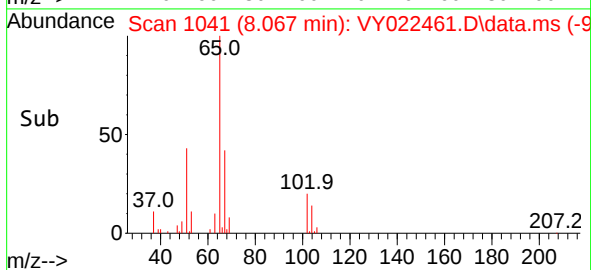
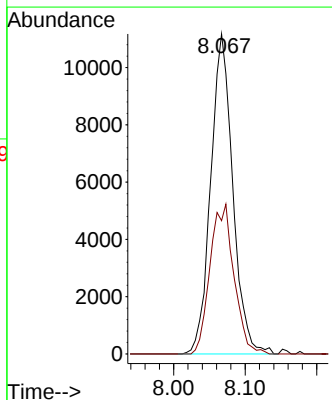
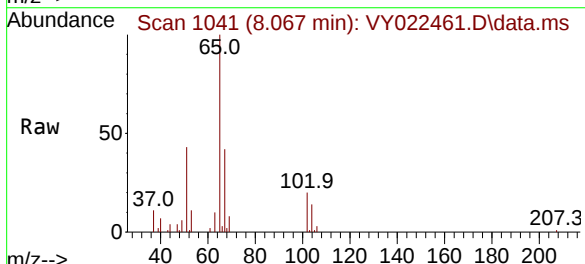
Instrument :
MSVOA_Y
ClientSampleId :
TP-42

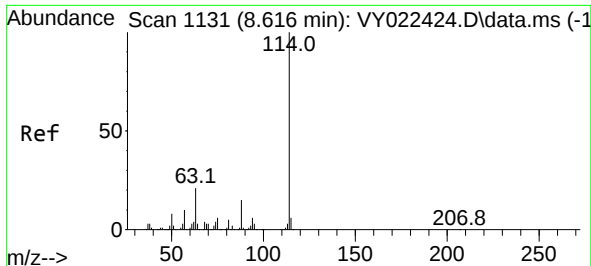
Tgt Ion: 56 Resp: 1470
Ion Ratio Lower Upper
56 100
69 97.7 24.6 36.8#
84 99.1 70.4 105.6



#33
1,2-Dichloroethane-d4
Concen: 44.002 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

Tgt Ion: 65 Resp: 23943
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.4

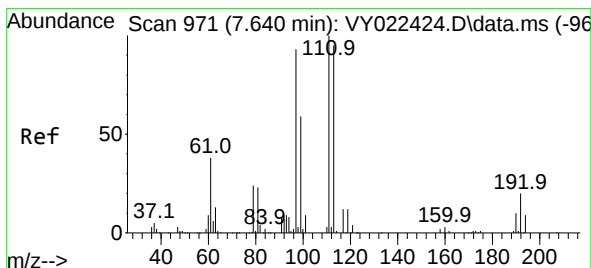
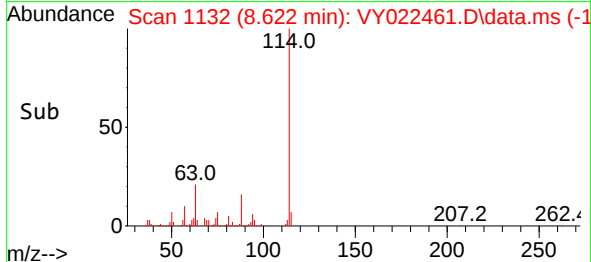
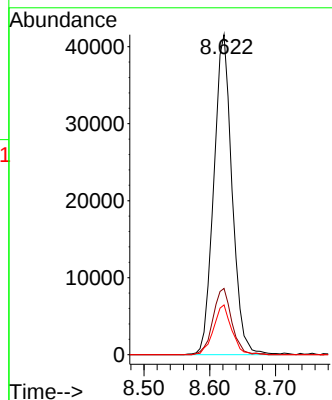
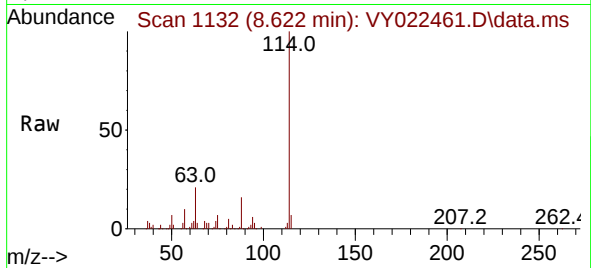




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

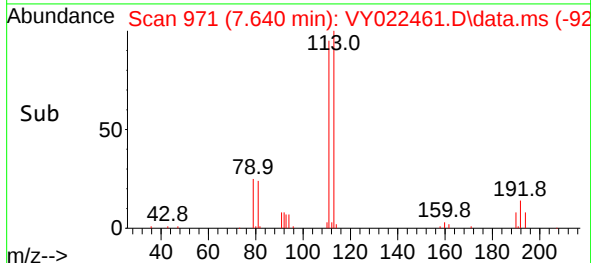
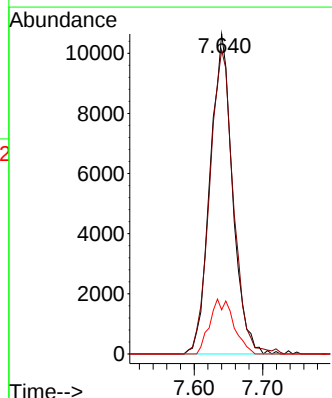
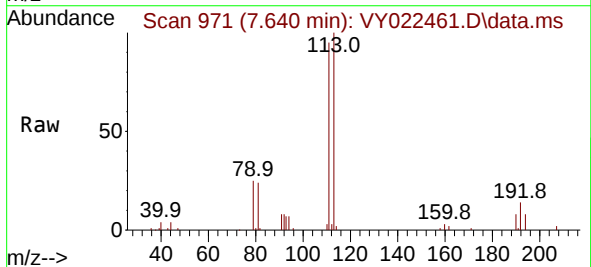
Instrument :
MSVOA_Y
ClientSampleId :
TP-42

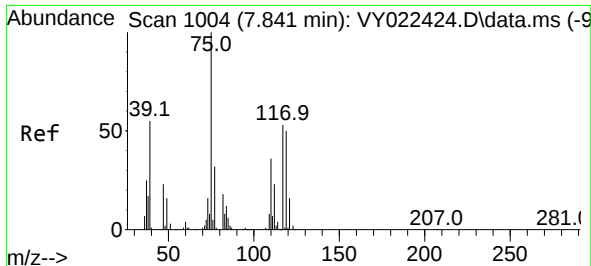
Tgt Ion:	114	Resp:	80393
Ion Ratio	Lower	Upper	
114	100		
63	20.7	0.0	42.6
88	15.6	0.0	29.4



#35
Dibromofluoromethane
Concen: 51.378 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

Tgt Ion:	113	Resp:	24189
Ion Ratio	Lower	Upper	
113	100		
111	100.1	82.4	123.6
192	18.2	15.2	22.8





#36

1,1-Dichloropropene

Concen: 6.462 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY022461.D

Acq: 29 May 2025 12:49

Instrument :

MSVOA_Y

ClientSampleId :

TP-42

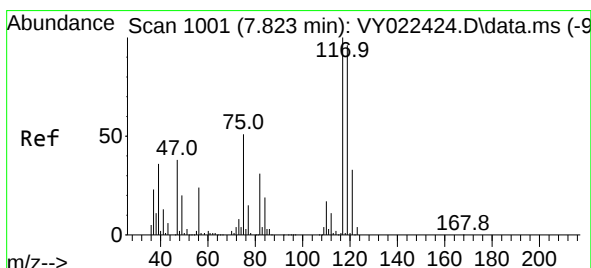
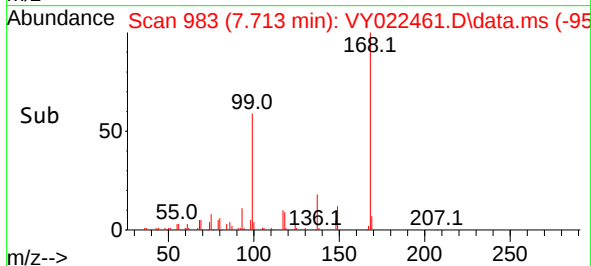
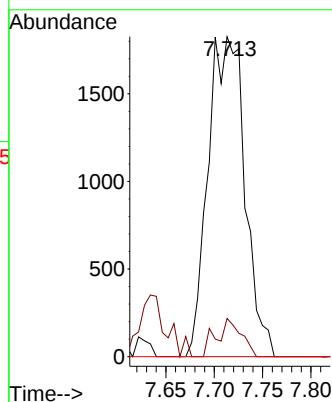
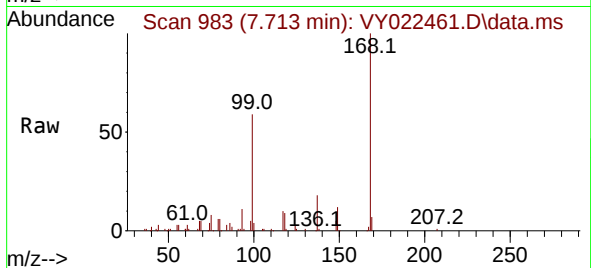
Tgt Ion: 75 Resp: 4828

Ion Ratio Lower Upper

75 100

110 8.0 17.1 51.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.511 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022461.D

Acq: 29 May 2025 12:49

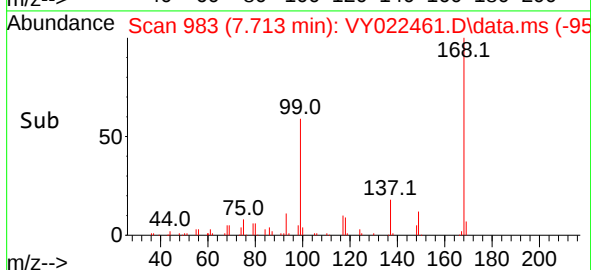
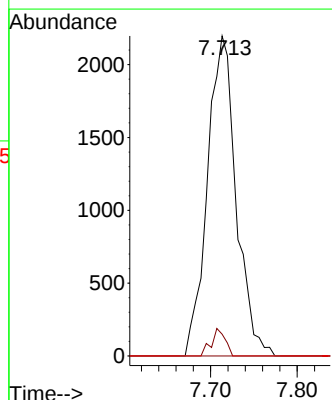
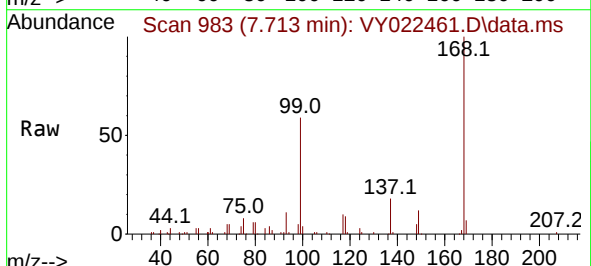
Tgt Ion: 117 Resp: 5067

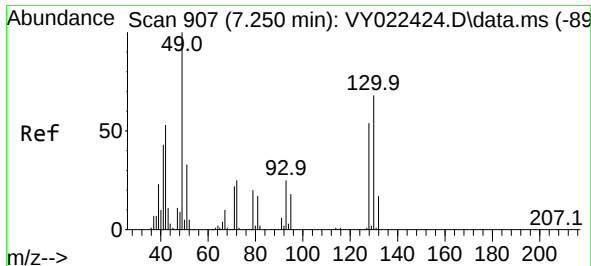
Ion Ratio Lower Upper

117 100

119 6.8 76.3 114.5#

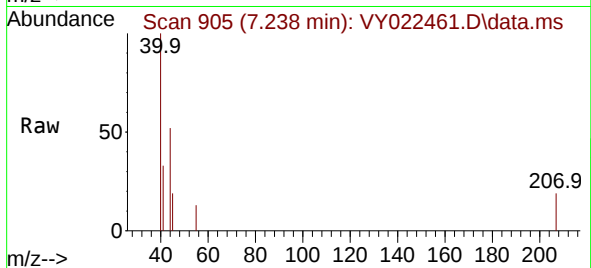
121 0.0 26.1 39.1#



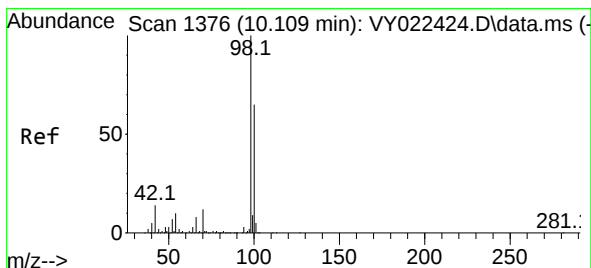
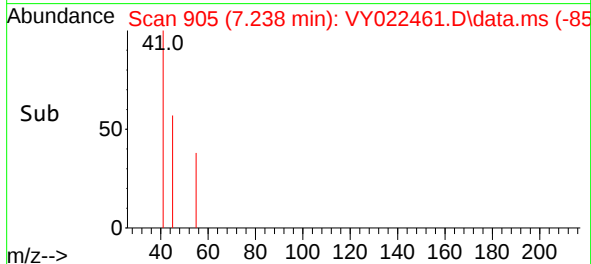
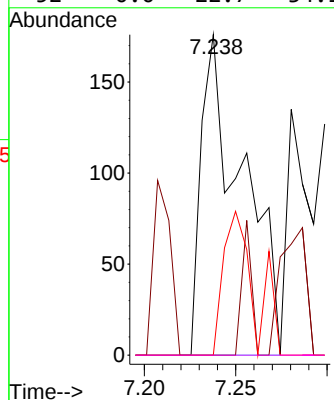


#41
Methacrylonitrile
Concen: 1.437 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.012 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

Instrument :
MSVOA_Y
ClientSampleId :
TP-42

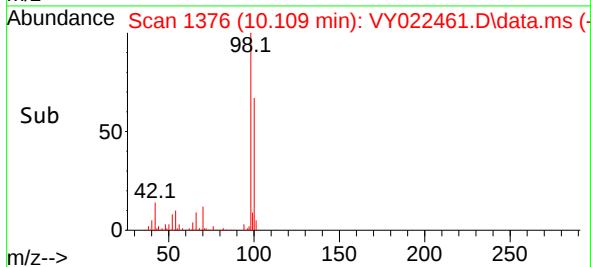
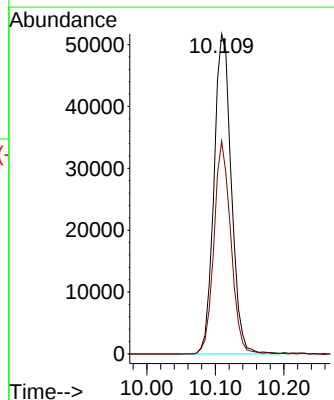
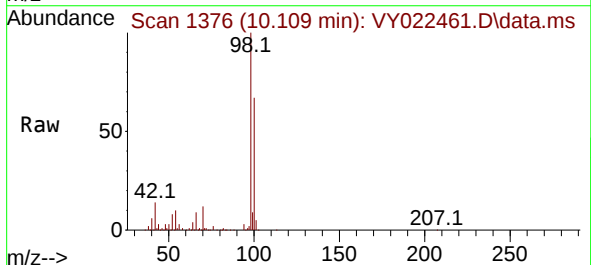


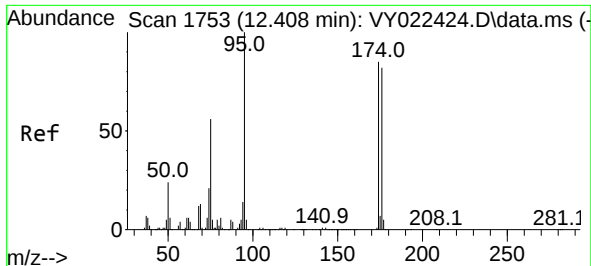
Tgt Ion:	41	Resp:	277
Ion	Ratio	Lower	Upper
41	100		
39	9.7	40.4	60.6#
67	33.6	53.0	79.4#
52	0.0	22.7	34.1#



#50
Toluene-d8
Concen: 47.234 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

Tgt Ion:	98	Resp:	90655
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2

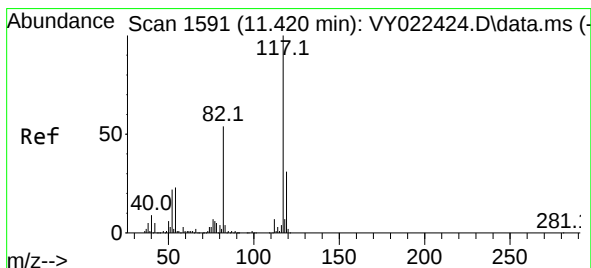
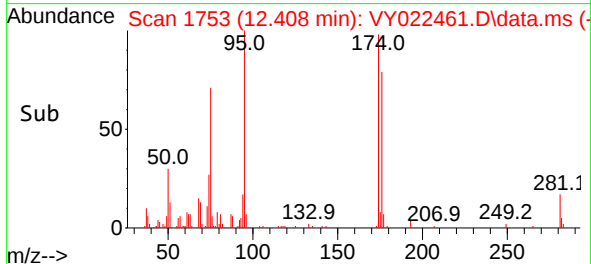
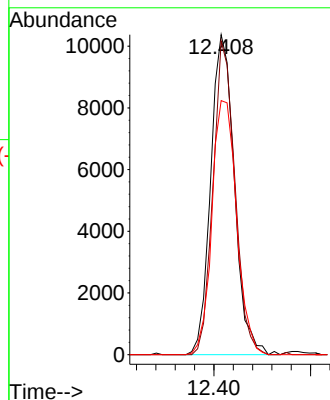
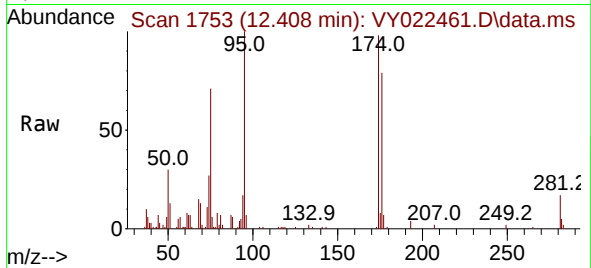




#62
4-Bromofluorobenzene
Concen: 30.283 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

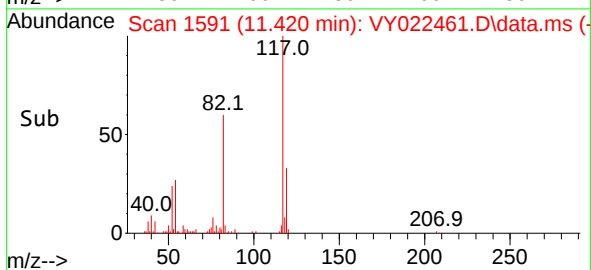
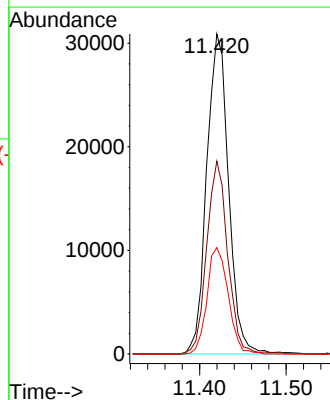
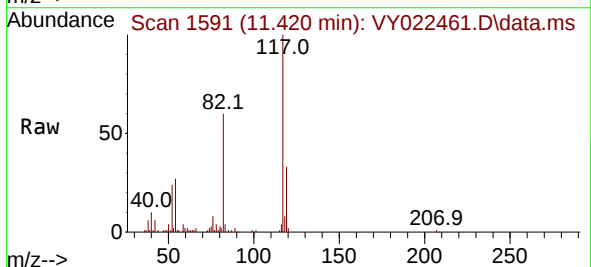
Instrument :
MSVOA_Y
ClientSampleId :
TP-42

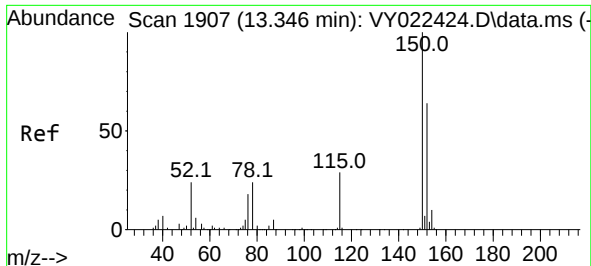
Tgt Ion:	95	Resp:	17581
Ion Ratio	Lower	Upper	
95	100		
174	90.4	0.0	171.6
176	82.9	0.0	164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

Tgt Ion:	117	Resp:	54066
Ion Ratio	Lower	Upper	
117	100		
82	60.3	43.3	64.9
119	33.2	24.5	36.7

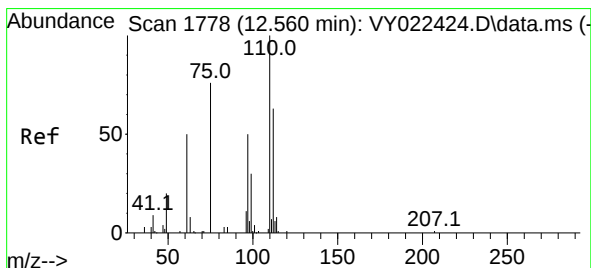
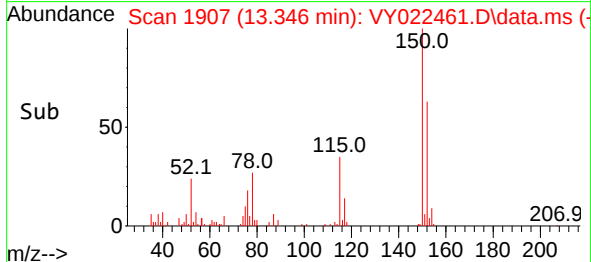
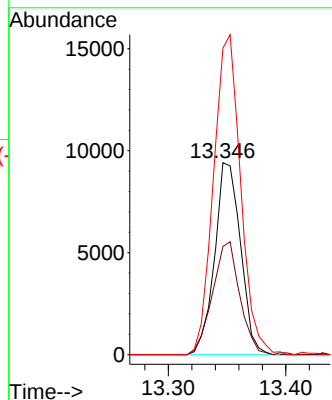
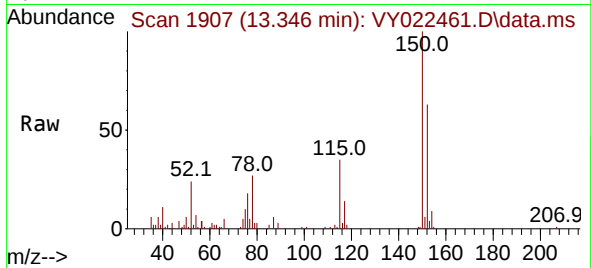




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022461.D
 Acq: 29 May 2025 12:49

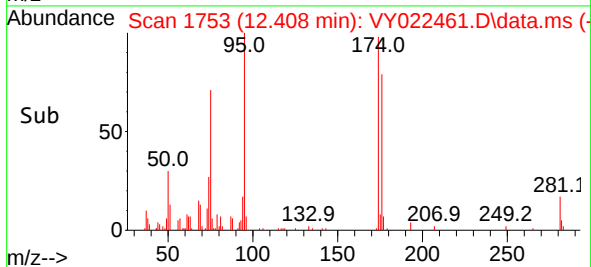
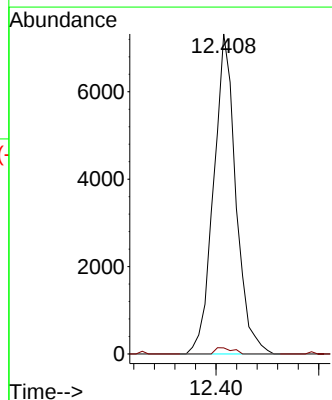
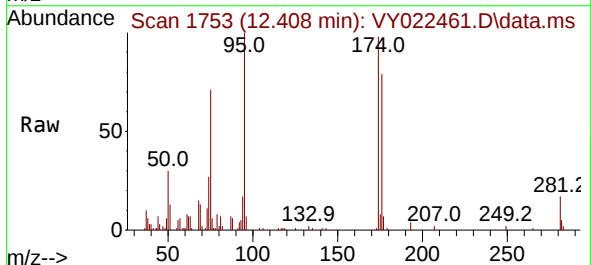
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-42

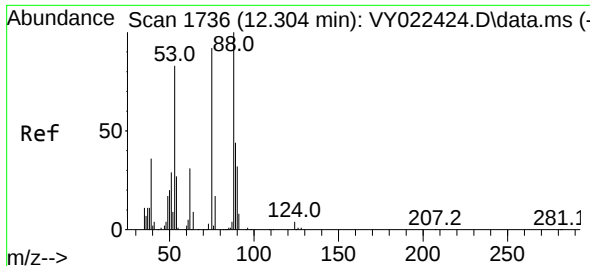
Tgt Ion:152 Resp: 14413
 Ion Ratio Lower Upper
 152 100
 115 61.9 28.4 85.3
 150 174.2 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 76.041 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY022461.D
 Acq: 29 May 2025 12:49

Tgt Ion: 75 Resp: 10978
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

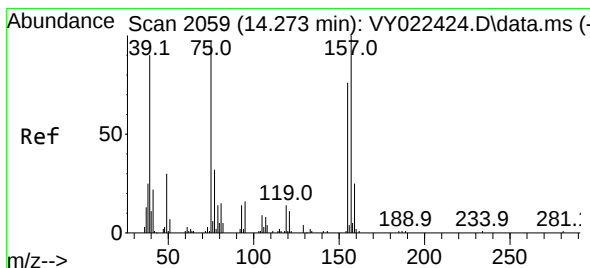
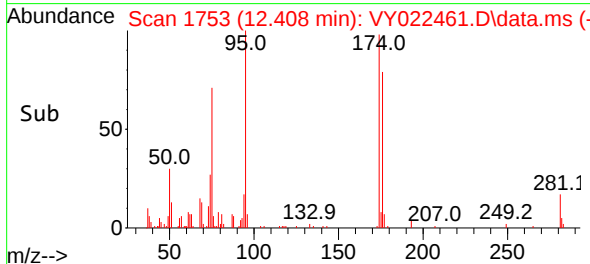
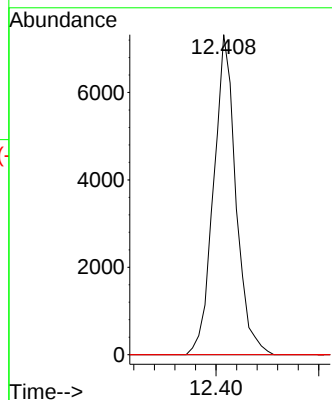
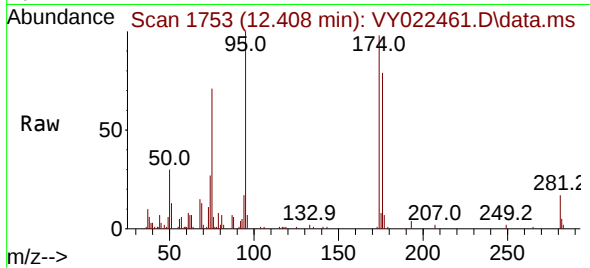




#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.963 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY022461.D
 Acq: 29 May 2025 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-42

Tgt Ion: 75 Resp: 10978
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.1 112.7#
 89 0.0 37.4 56.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.774 ug/l
 RT: 14.273 min Scan# 2059
 Delta R.T. 0.000 min
 Lab File: VY022461.D
 Acq: 29 May 2025 12:49

Tgt Ion: 75 Resp: 49
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.3 126.8#
 157 0.0 54.4 163.3#

