

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021924.D
 Acq On : 18 Apr 2025 12:36
 Operator : SY/MD
 Sample : Q1829-01
 Misc : 5.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LP5729

Quant Time: Apr 19 01:11:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	214696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	401319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	375700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150832	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114566	49.251	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.500%
35) Dibromofluoromethane	7.634	113	132405	50.861	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.720%
50) Toluene-d8	10.109	98	501007	50.588	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.180%
62) 4-Bromofluorobenzene	12.408	95	160108	47.795	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.580%

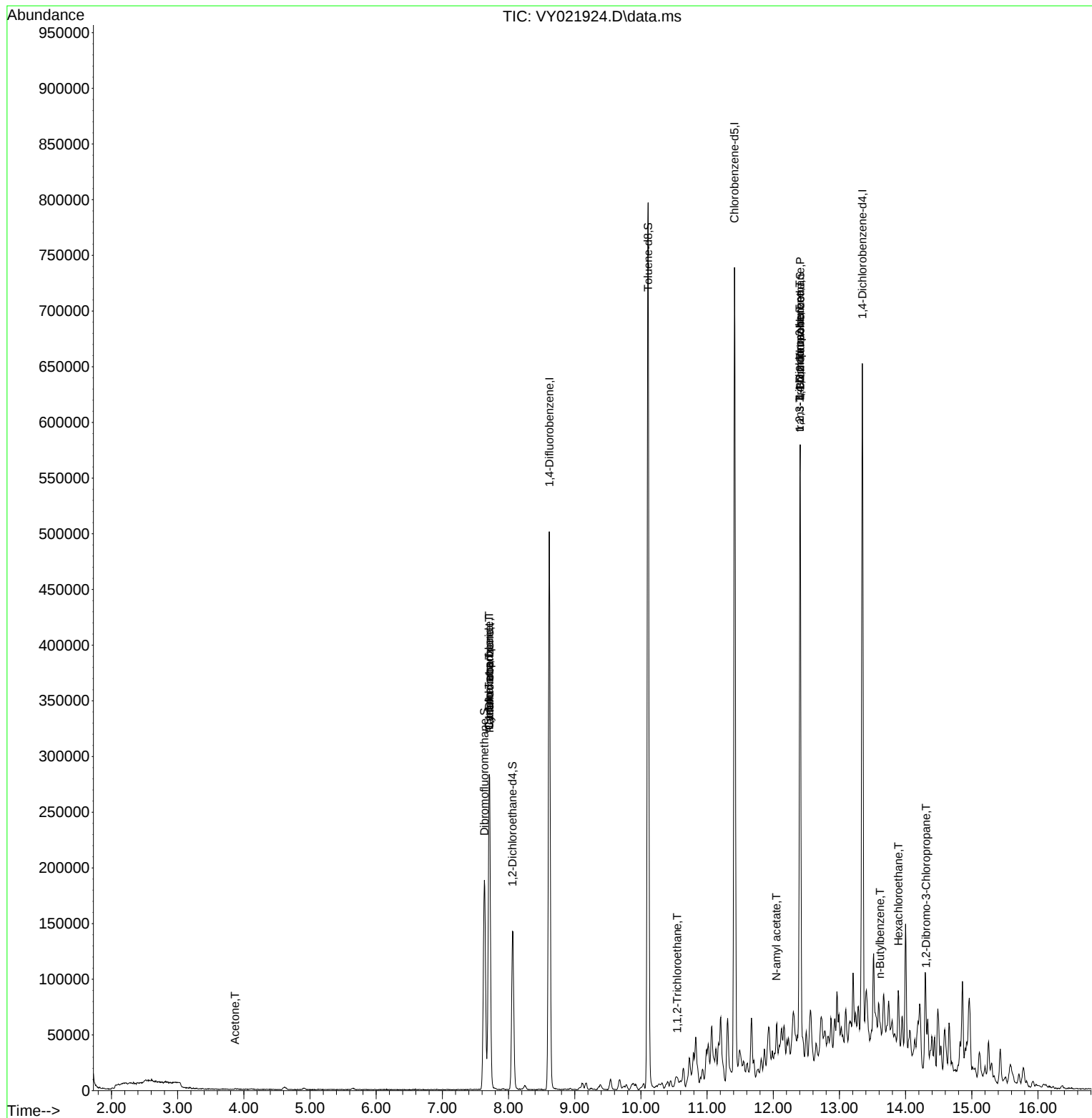
Target Compounds					Qvalue	
16) Acetone	3.866	43	515	1.082	ug/l #	43
20) Methylene Chloride	4.616	84	1444	Below Cal		89
31) Cyclohexane	7.707	56	5117	1.246	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	18303	4.616	ug/l #	50
38) Carbon Tetrachloride	7.707	117	21845	4.810	ug/l #	17
55) 1,1,2-Trichloroethane	10.548	97	2104	1.009	ug/l #	22
74) N-amyl acetate	12.048	43	8109	3.084	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.408	83	3704	1.839	ug/l	97
76) 1,2,3-Trichloropropane	12.402	75	85211	56.992	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	85211	131.320	ug/l #	12
89) n-Butylbenzene	13.615	91	10221	1.122	ug/l #	64
90) Hexachloroethane	13.889	117	2450	1.135	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.310	75	482	1.544	ug/l #	1

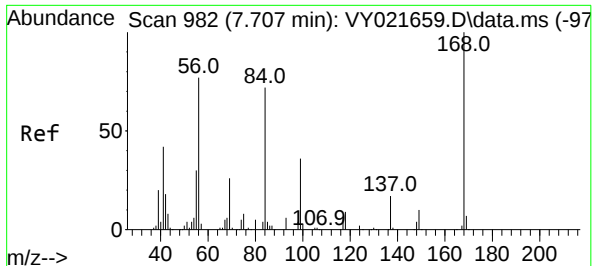
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

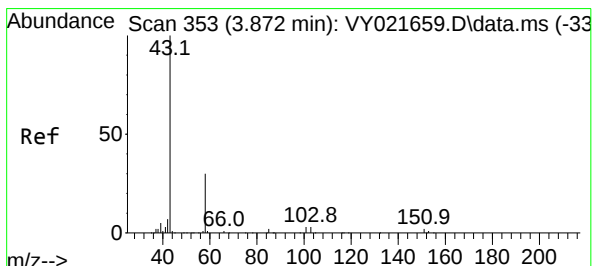
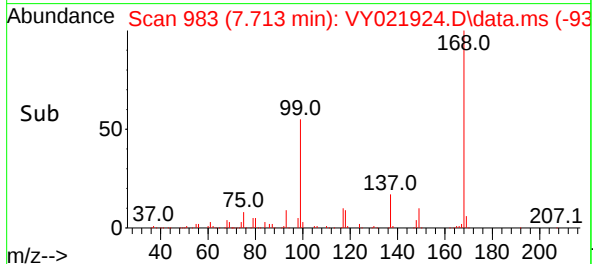
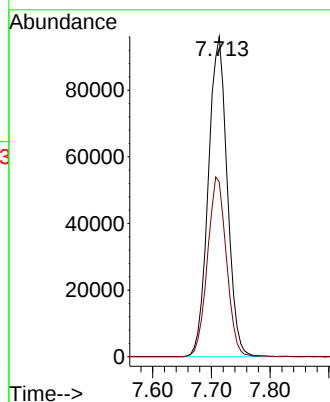
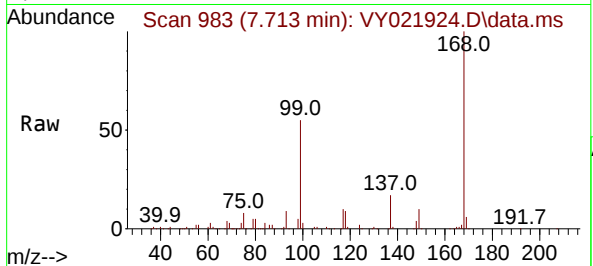




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

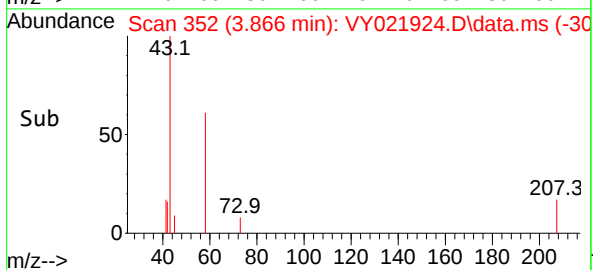
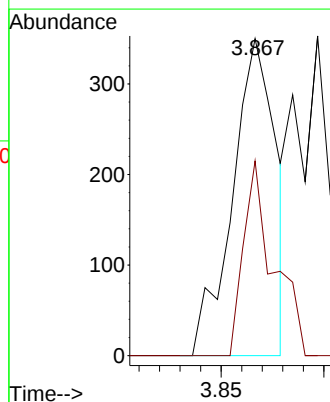
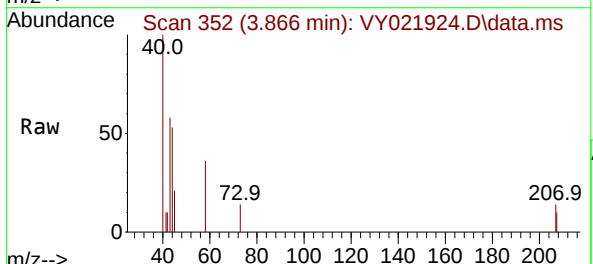
Instrument :
MSVOA_Y
ClientSampleId :
LP5729

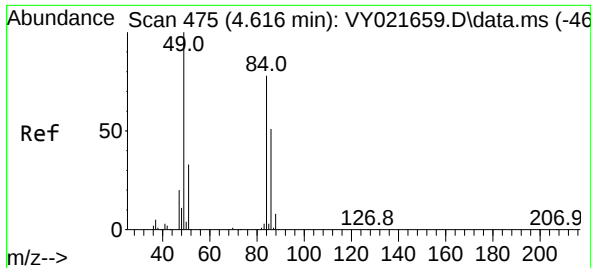
Tgt Ion:168 Resp: 214696
Ion Ratio Lower Upper
168 100
99 54.6 46.7 70.1



#16
Acetone
Concen: 1.082 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

Tgt Ion: 43 Resp: 515
Ion Ratio Lower Upper
43 100
58 61.4 24.2 36.4#

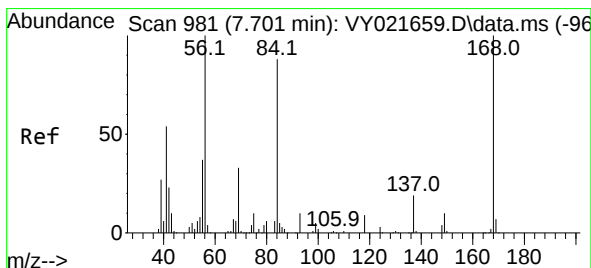
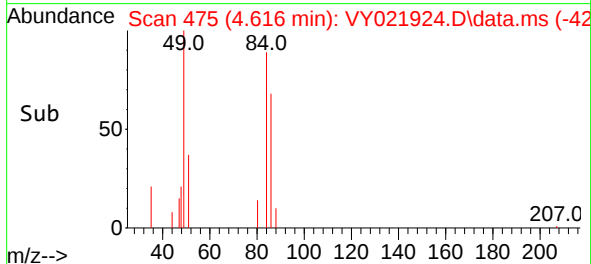
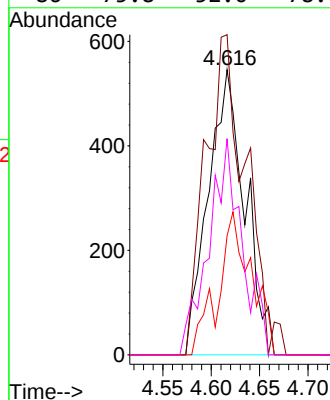
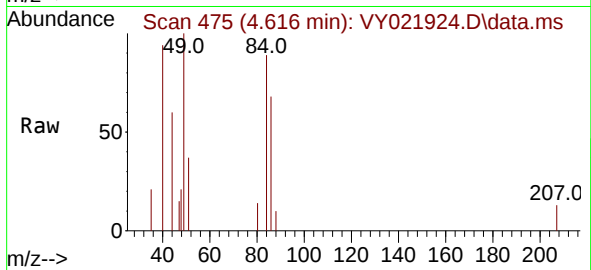




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

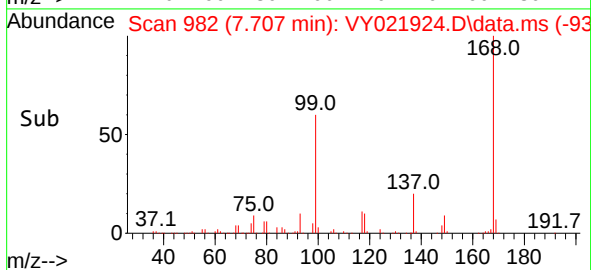
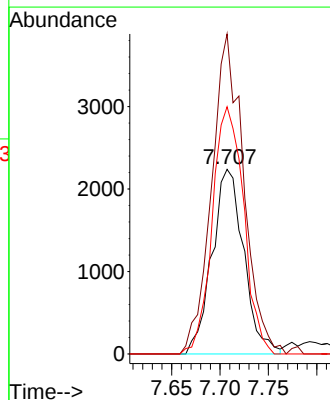
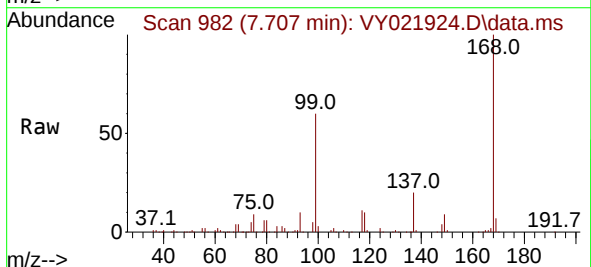
Instrument :
MSVOA_Y
ClientSampleId :
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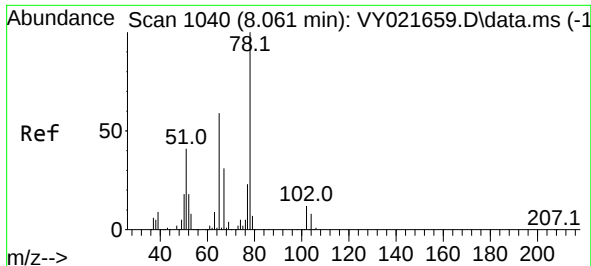
Tgt Ion:	84	Resp:	1444
Ion	Ratio	Lower	Upper
84	100		
49	112.3	102.8	154.2
51	41.8	33.5	50.3
86	75.8	52.0	78.0



#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

Tgt Ion:	56	Resp:	5117
Ion	Ratio	Lower	Upper
56	100		
69	173.3	26.6	40.0#
84	133.9	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 49.251 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021924.D

Acq: 18 Apr 2025 12:36

Instrument :

MSVOA_Y

ClientSampleId :

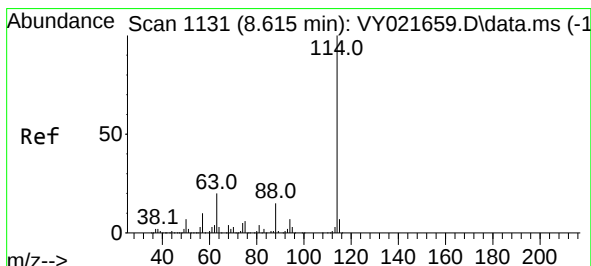
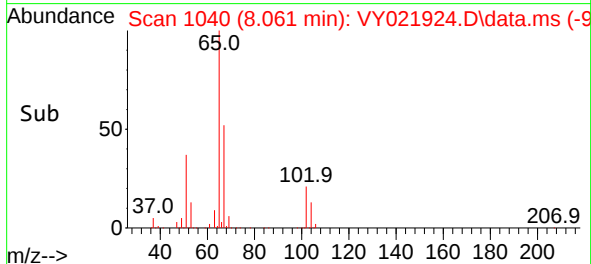
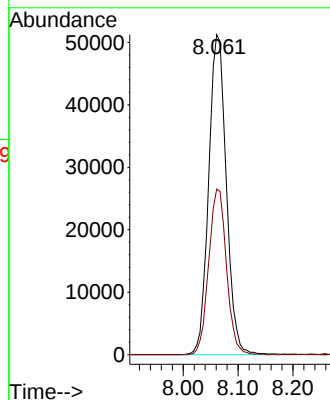
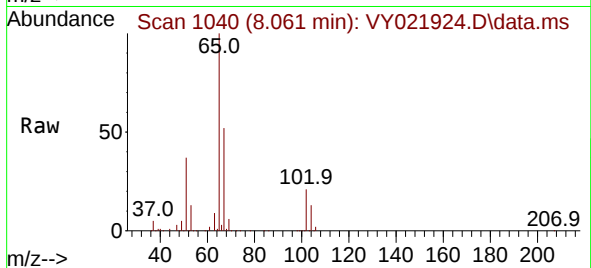
LP5729

Tgt Ion: 65 Resp: 114566

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021924.D

Acq: 18 Apr 2025 12:36

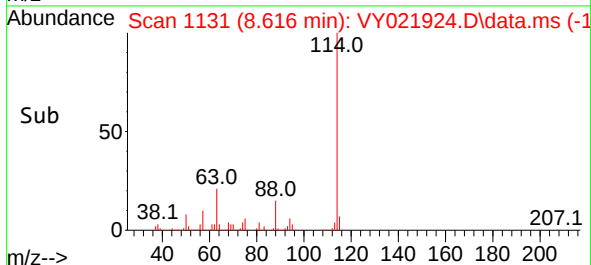
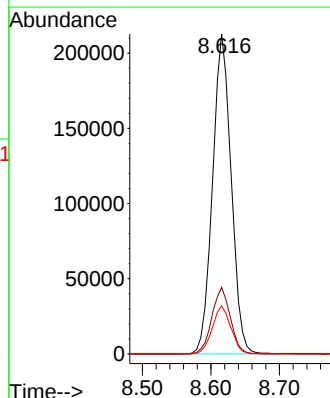
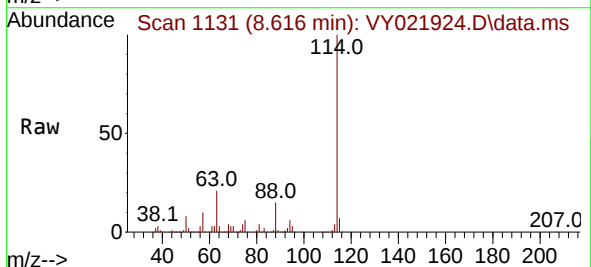
Tgt Ion: 114 Resp: 401319

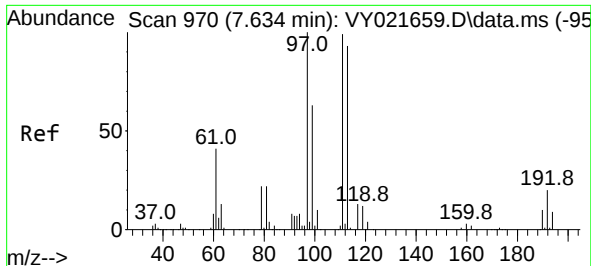
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 15.0 0.0 29.8

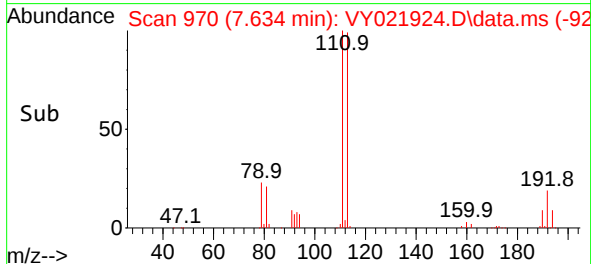
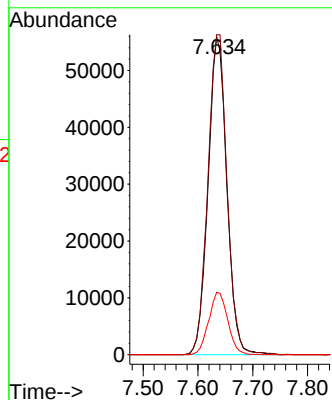
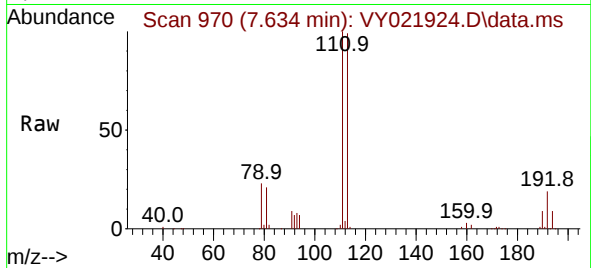




#35
Dibromofluoromethane
Concen: 50.861 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

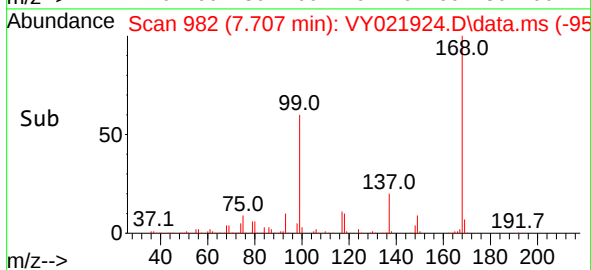
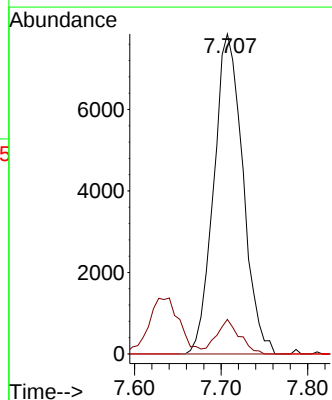
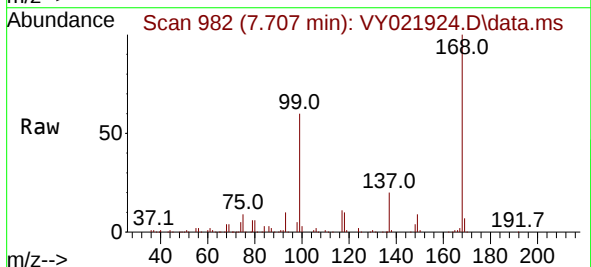
Instrument :
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ClientSampleId :
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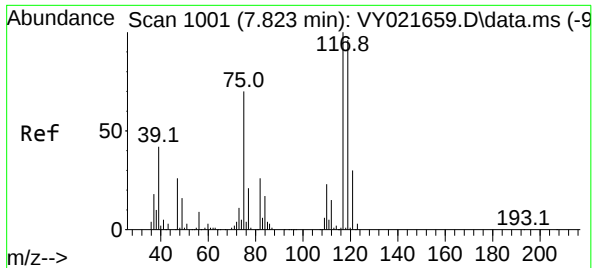
Tgt Ion:113 Resp: 132405
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 20.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.616 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

Tgt Ion: 75 Resp: 18303
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.8 37.2#

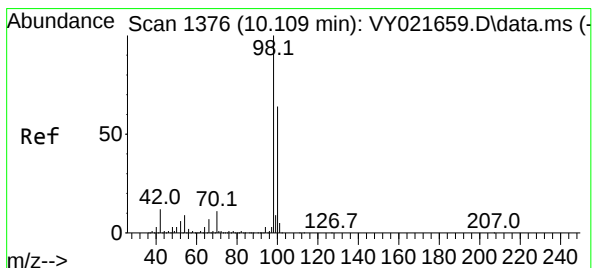
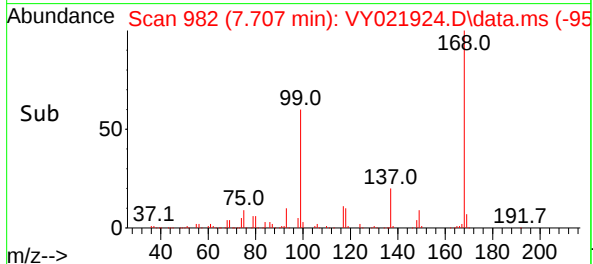
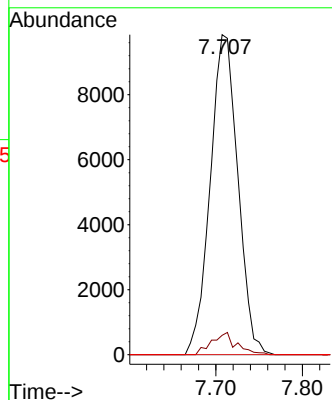
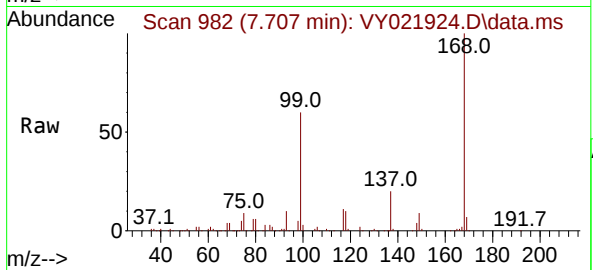




#38
Carbon Tetrachloride
Concen: 4.810 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

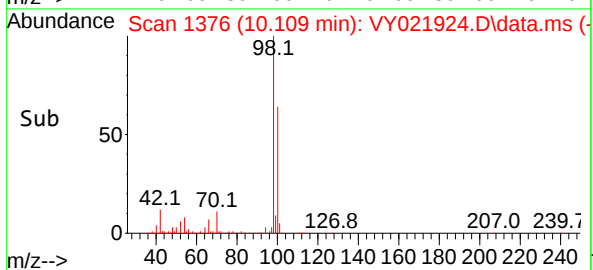
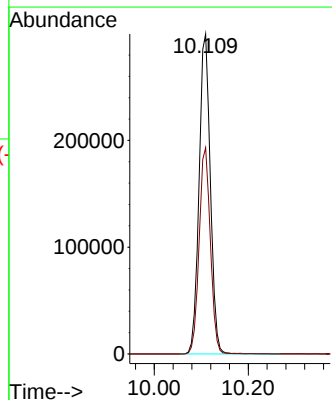
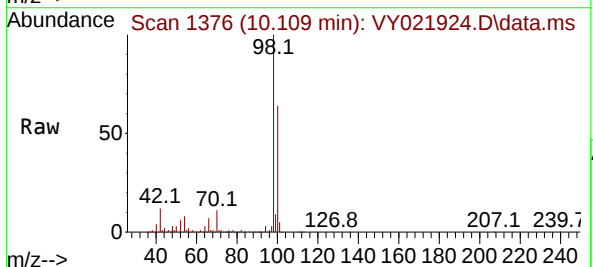
Instrument :
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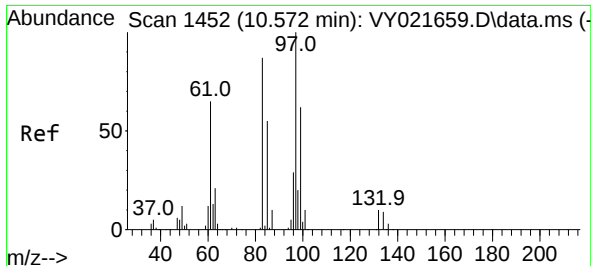
Tgt Ion:117 Resp: 21845
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.588 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

Tgt Ion: 98 Resp: 501007
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1

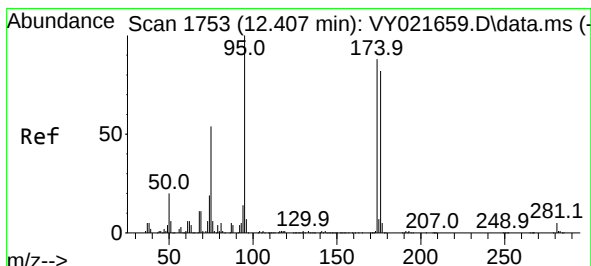
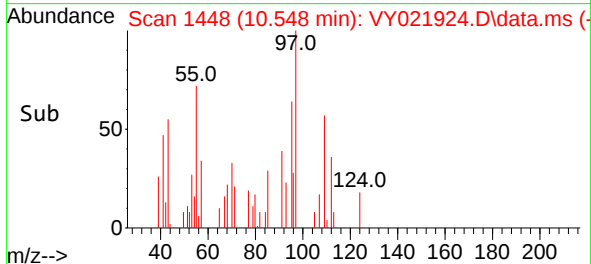
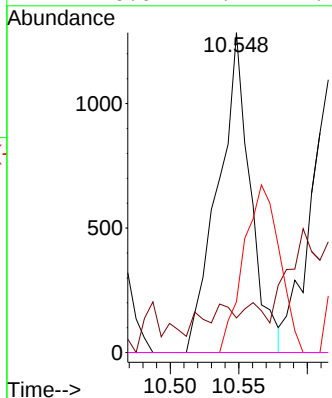
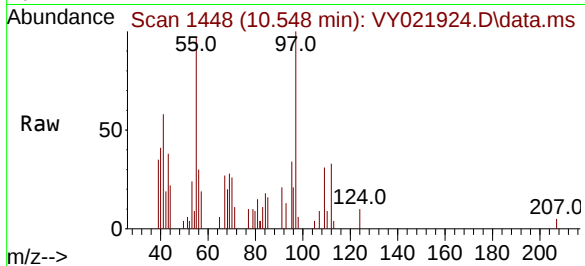




#55
1,1,2-Trichloroethane
Concen: 1.009 ug/l
RT: 10.548 min Scan# 1452
Delta R.T. -0.024 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

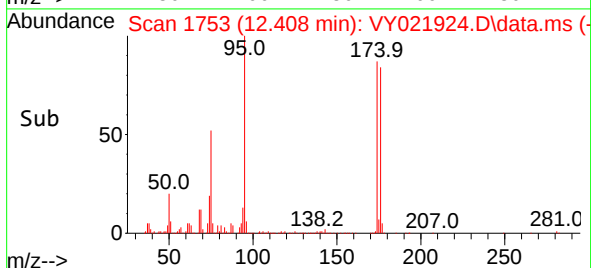
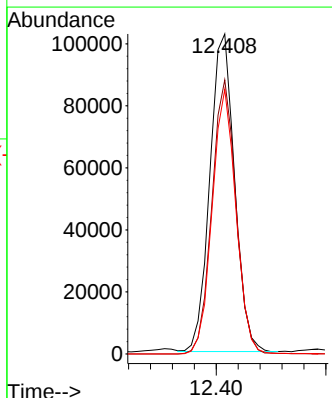
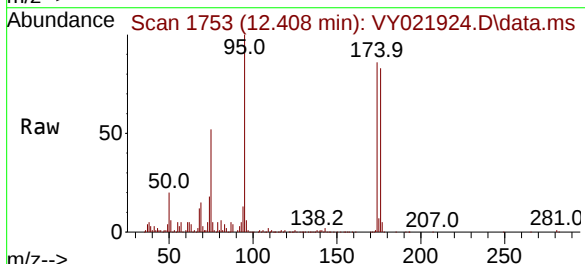
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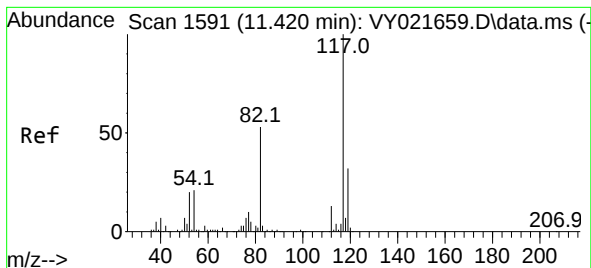
Tgt Ion:	97	Resp:	2104
Ion	Ratio	Lower	Upper
97	100		
83	3.6	69.5	104.3#
85	15.9	43.9	65.9#
99	0.0	49.9	74.9#



#62
4-Bromofluorobenzene
Concen: 47.795 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

Tgt Ion:	95	Resp:	160108
Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	170.8
176	80.3	0.0	162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021924.D

Acq: 18 Apr 2025 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LP5729

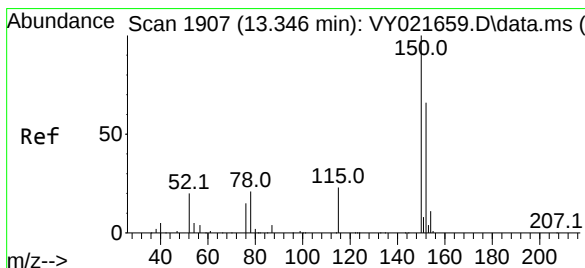
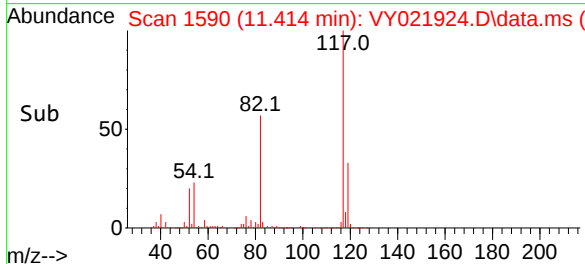
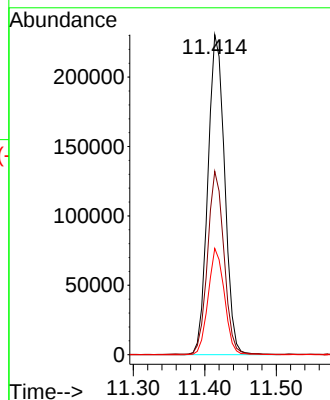
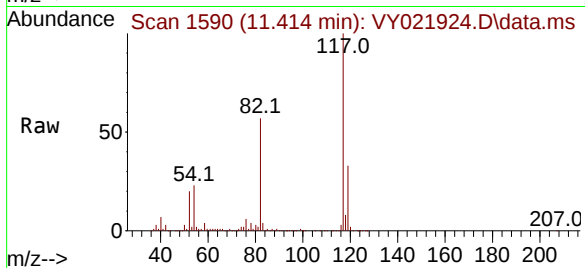
Tgt Ion:117 Resp: 375700

Ion Ratio Lower Upper

117 100

82 57.1 42.8 64.2

119 33.2 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021924.D

Acq: 18 Apr 2025 12:36

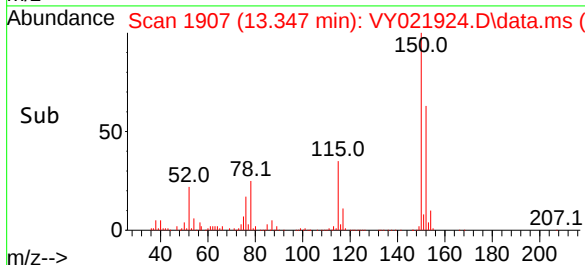
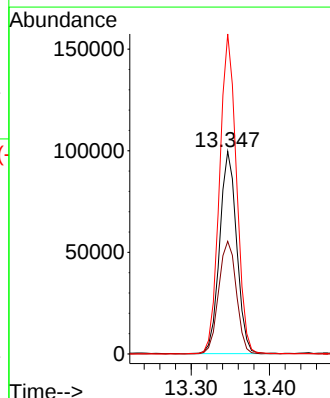
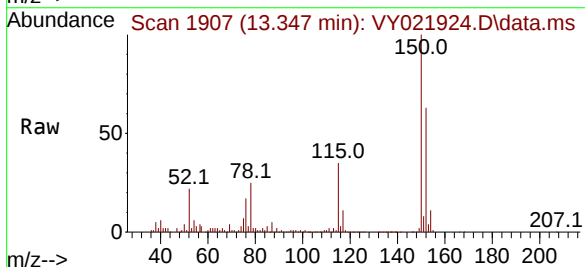
Tgt Ion:152 Resp: 150832

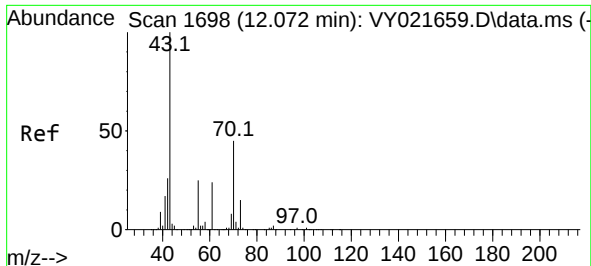
Ion Ratio Lower Upper

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115 57.8 28.8 86.5

150 157.4 0.0 348.4

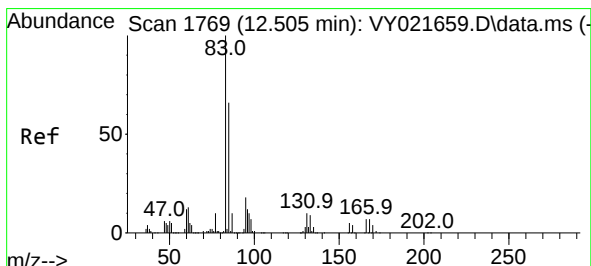
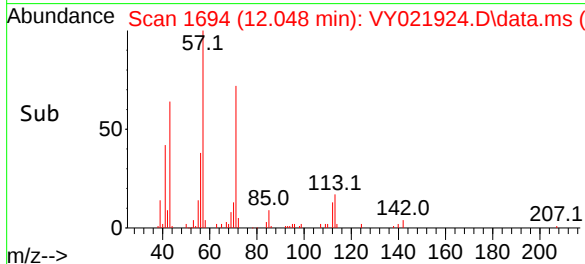
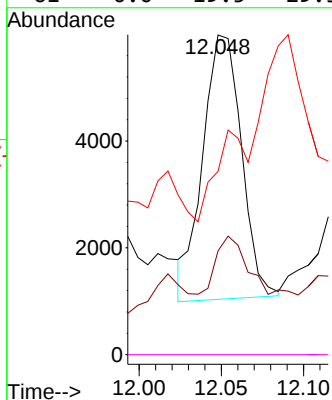
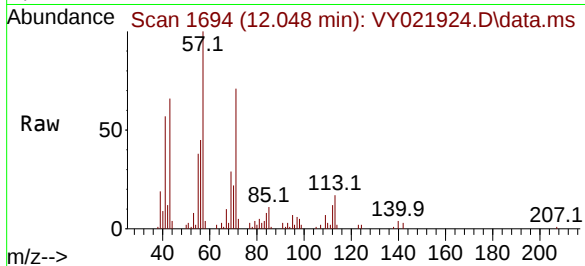




#74
N-amy1 acetate
Concen: 3.084 ug/l
RT: 12.048 min Scan# 1753
Delta R.T. -0.024 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

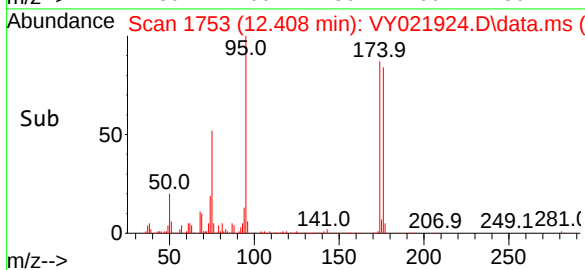
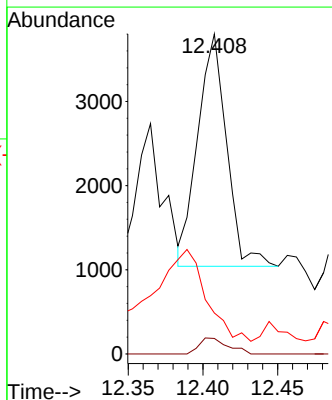
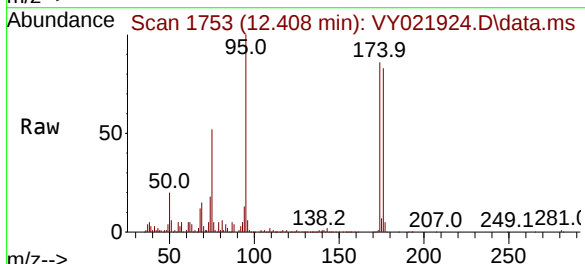
Instrument :
MSVOA_Y
ClientSampleId :
LP5729

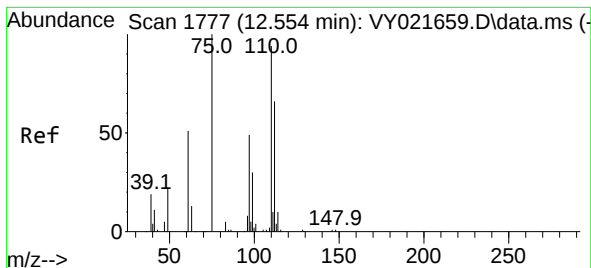
Tgt Ion: 43	Resp:	8109
Ion Ratio	Lower	Upper
43	100	
70	17.3	34.7 52.1#
55	0.0	21.2 31.8#
61	0.0	19.5 29.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.839 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.097 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

Tgt Ion: 83	Resp:	3704
Ion Ratio	Lower	Upper
83	100	
131	6.8	5.1 15.3
85	66.3	32.3 96.8





#76

1,2,3-Trichloropropane

Concen: 56.992 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY021924.D

Acq: 18 Apr 2025 12:36

Instrument :

MSVOA_Y

ClientSampleId :

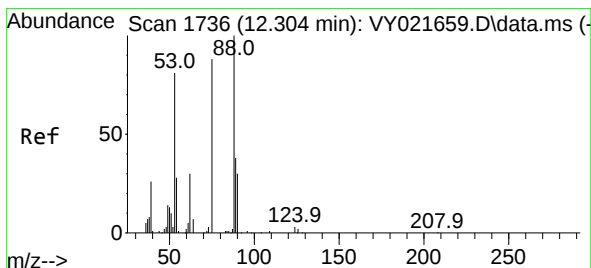
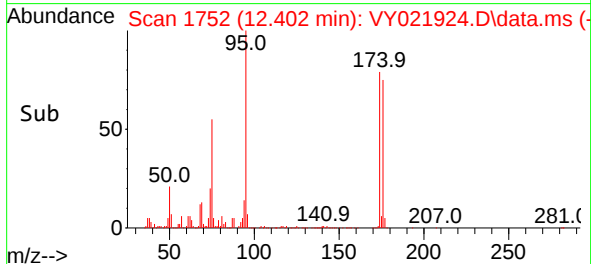
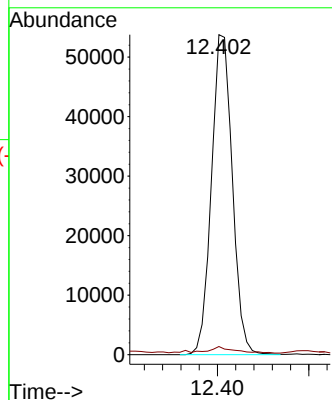
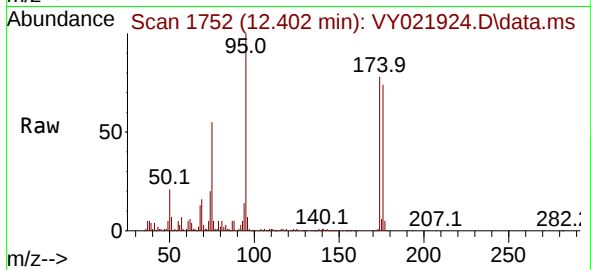
LP5729

Tgt Ion: 75 Resp: 85211

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.320 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY021924.D

Acq: 18 Apr 2025 12:36

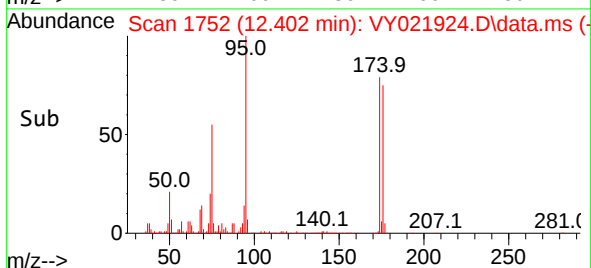
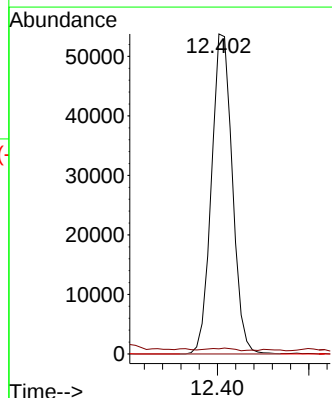
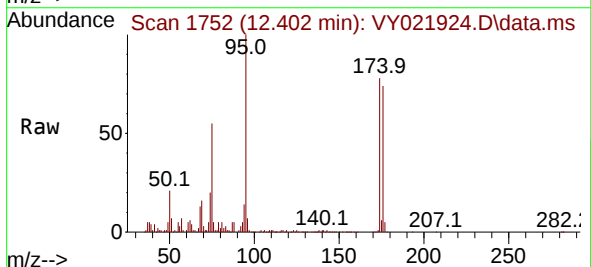
Tgt Ion: 75 Resp: 85211

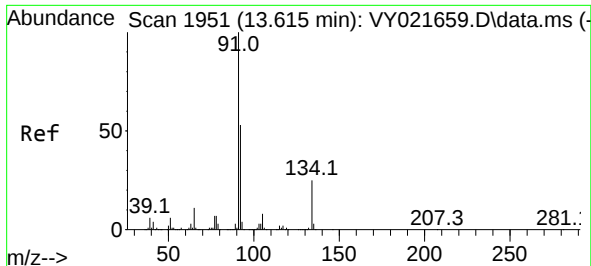
Ion Ratio Lower Upper

75 100

53 0.7 76.1 114.1#

89 0.0 36.2 54.4#

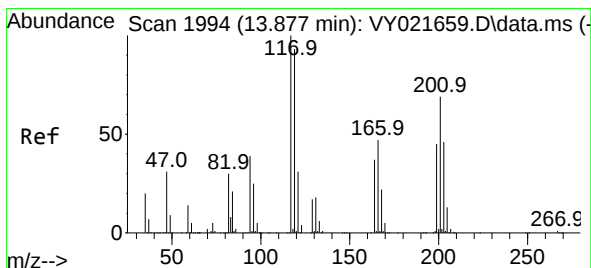
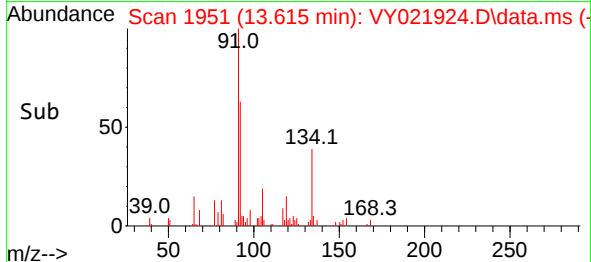
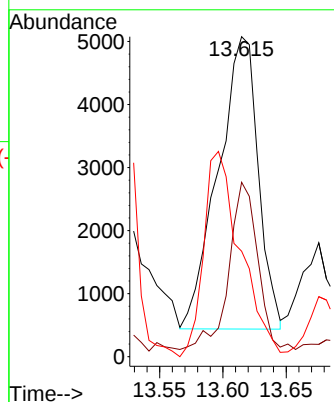
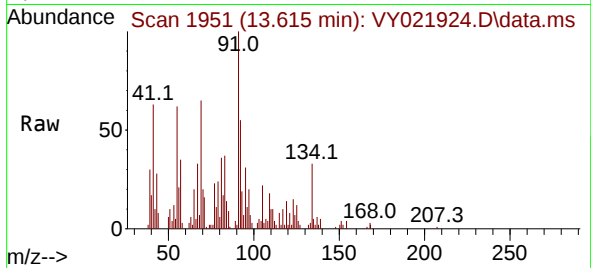




#89
n-Butylbenzene
Concen: 1.122 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

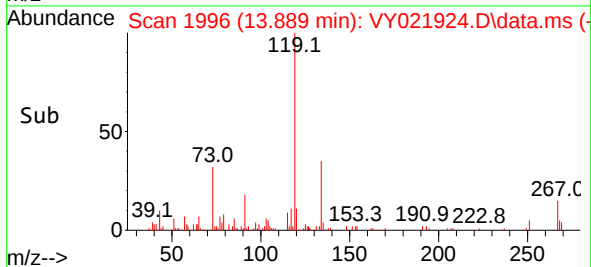
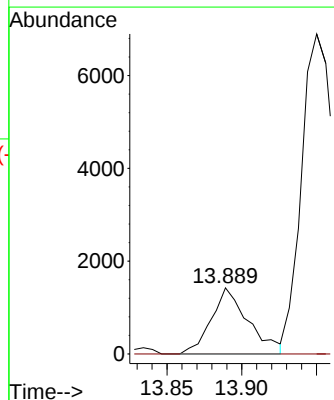
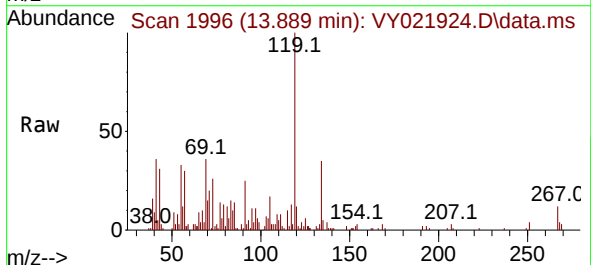
Instrument :
MSVOA_Y
ClientSampleId :
LP5729

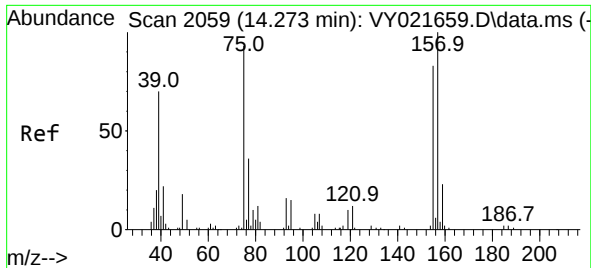
Tgt Ion: 91 Resp: 10221
Ion Ratio Lower Upper
91 100
92 40.9 26.4 79.2
134 64.4 12.8 38.4#



#90
Hexachloroethane
Concen: 1.135 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.012 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

Tgt Ion: 117 Resp: 2450
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.544 ug/l

RT: 14.310 min Scan# 20

Delta R.T. 0.037 min

Lab File: VY021924.D

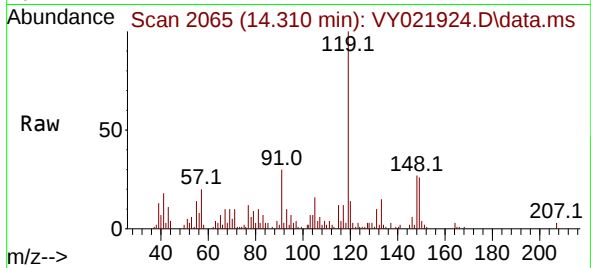
Acq: 18 Apr 2025 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LP5729



Tgt Ion: 75 Resp: 482

Ion Ratio Lower Upper

75 100

155 0.0 43.0 128.8#

157 0.0 54.0 162.0#

