

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021329.D
 Acq On : 26 Feb 2025 14:17
 Operator : SY/MD
 Sample : Q1401-08
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-192-GW-860-862

Quant Time: Feb 27 00:37:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	234926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	466686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	492462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	224351	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	180680	67.797	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.600%
35) Dibromofluoromethane	7.634	113	162833	53.220	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.440%
50) Toluene-d8	10.103	98	586525	49.602	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.200%
62) 4-Bromofluorobenzene	12.402	95	232790	58.497	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	117.000%

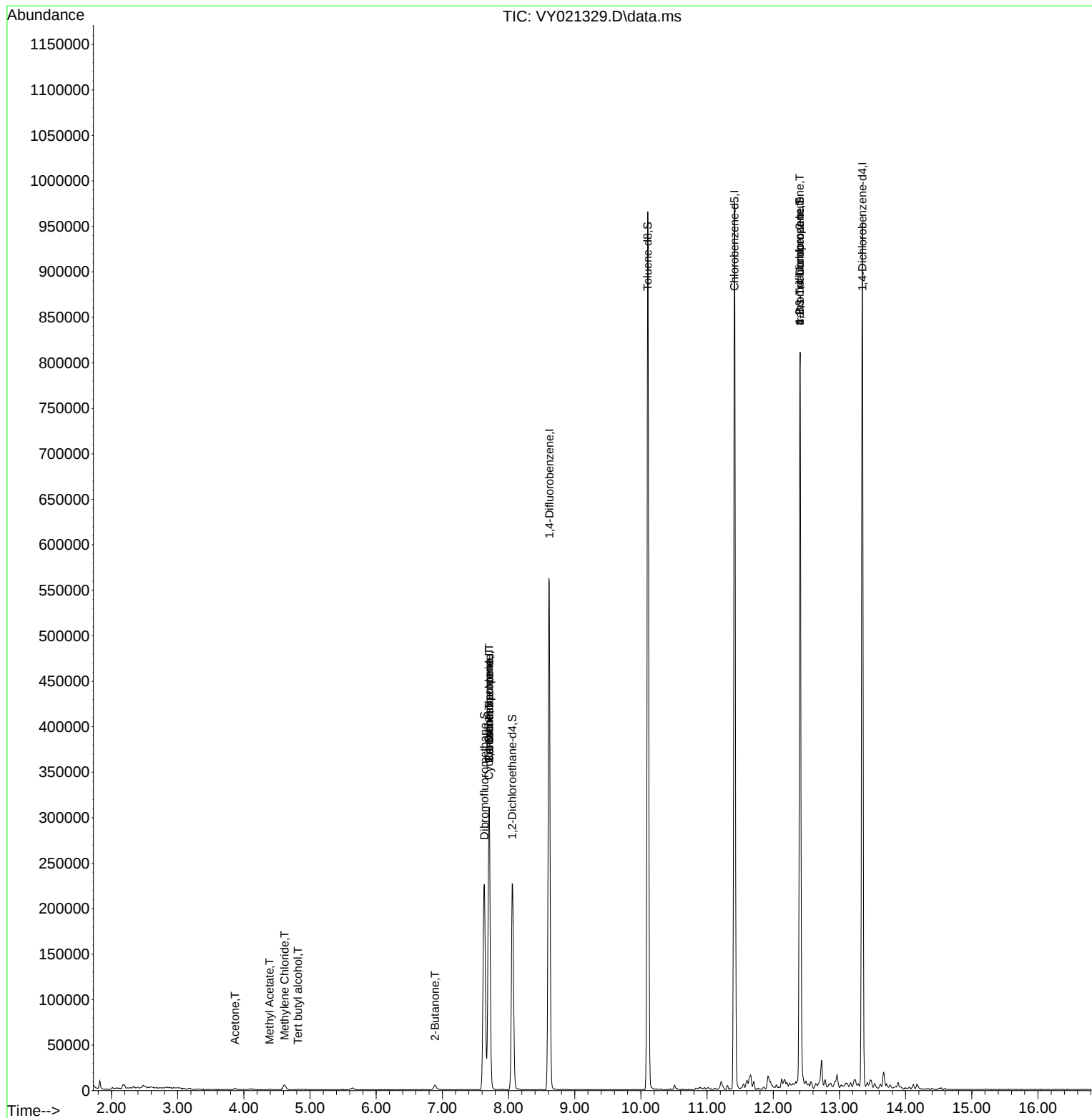
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.818	59	427	2.083	ug/l #	72
16) Acetone	3.867	43	2499	4.888	ug/l	93
18) Methyl Acetate	4.391	43	1330	1.065	ug/l #	70
20) Methylene Chloride	4.616	84	3687	1.334	ug/l	94
25) 2-Butanone	6.890	43	976	1.265	ug/l #	89
31) Cyclohexane	7.701	56	5732	1.220	ug/l #	5
36) 1,1-Dichloropropene	7.707	75	19409	4.223	ug/l #	51
38) Carbon Tetrachloride	7.707	117	24403	4.723	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	130127	57.947	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	130127	128.795	ug/l #	10

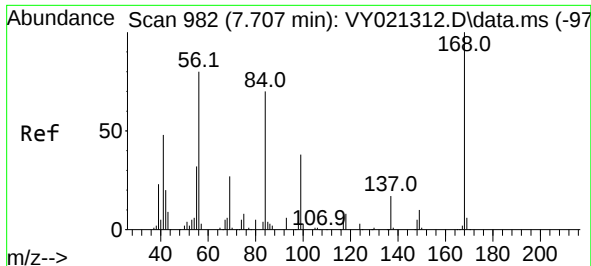
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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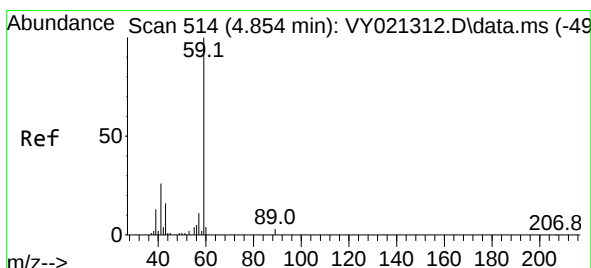
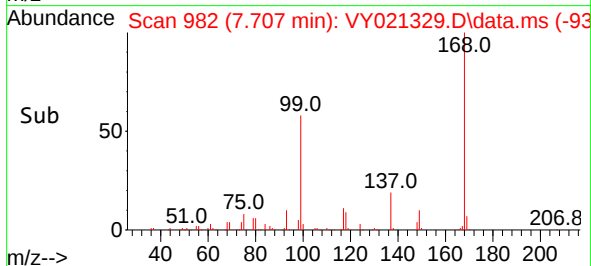
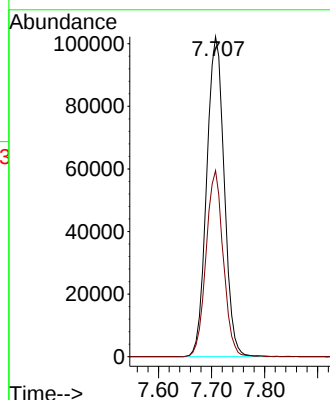
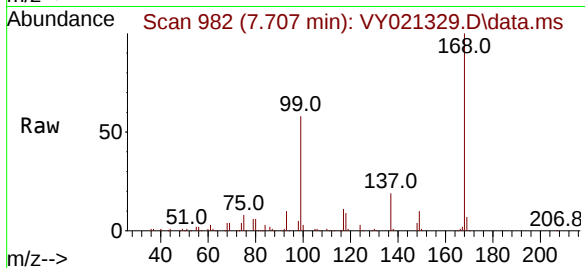




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

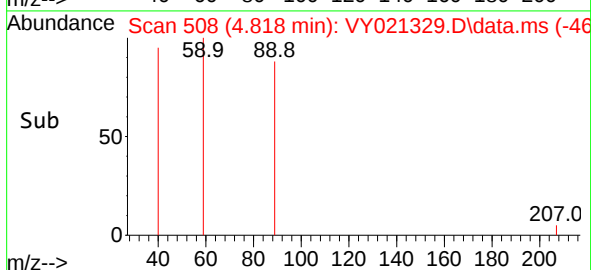
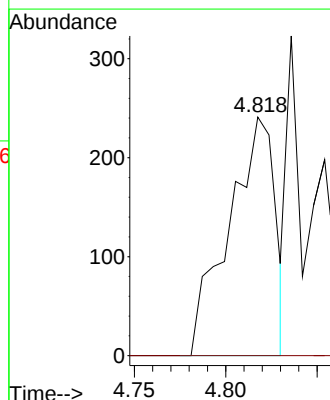
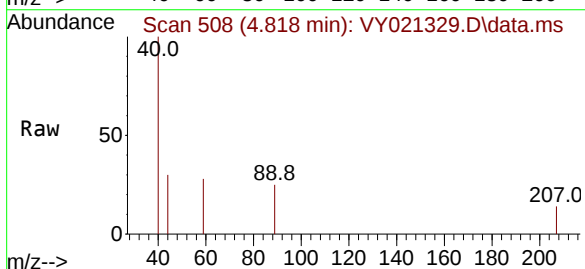
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

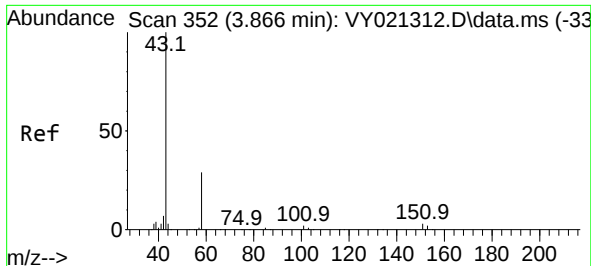
Tgt Ion:168 Resp: 234926
Ion Ratio Lower Upper
168 100
99 58.2 47.1 70.7



#11
Tert butyl alcohol
Concen: 2.083 ug/l
RT: 4.818 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Tgt Ion: 59 Resp: 427
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

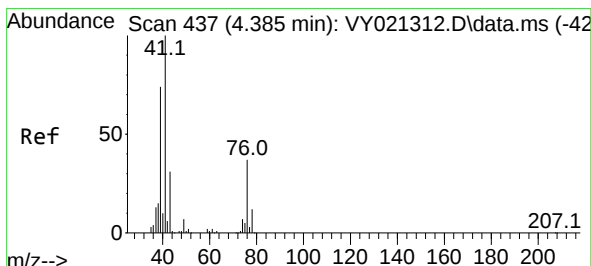
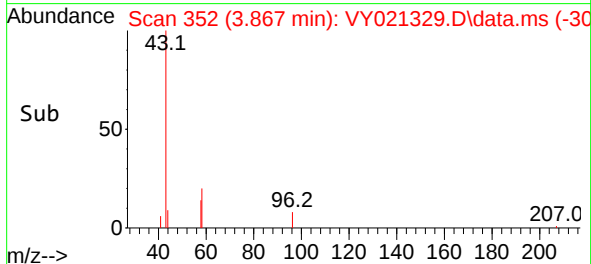
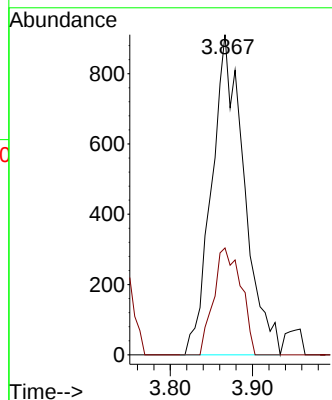
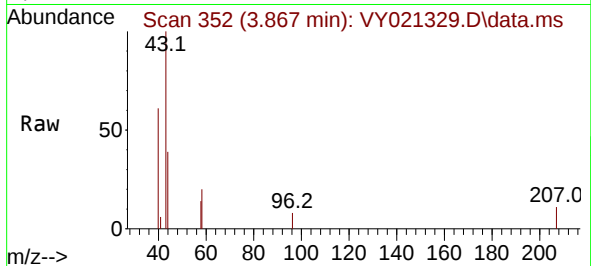




#16
Acetone
Concen: 4.888 ug/l
RT: 3.867 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

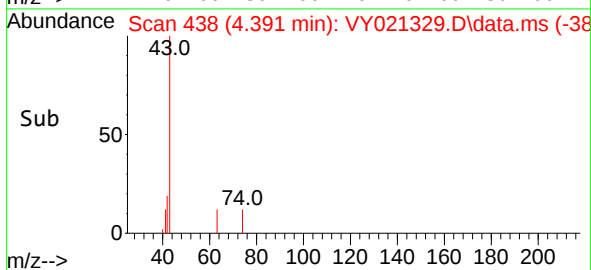
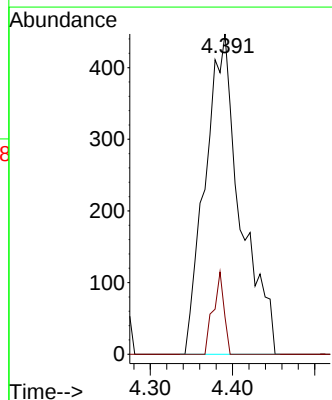
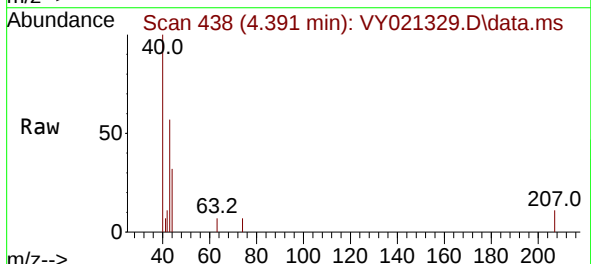
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

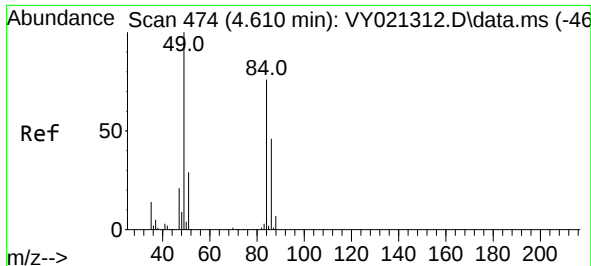
Tgt Ion: 43 Resp: 2499
Ion Ratio Lower Upper
43 100
58 33.4 23.5 35.3



#18
Methyl Acetate
Concen: 1.065 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

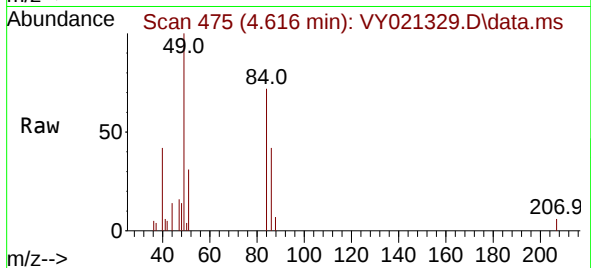
Tgt Ion: 43 Resp: 1330
Ion Ratio Lower Upper
43 100
74 7.9 17.7 26.5#



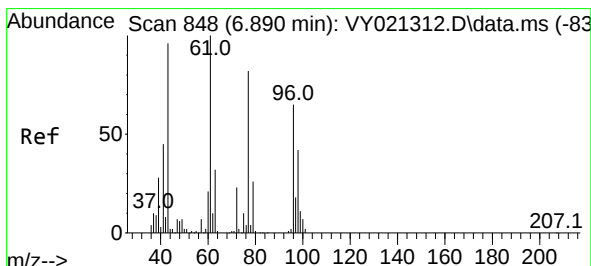
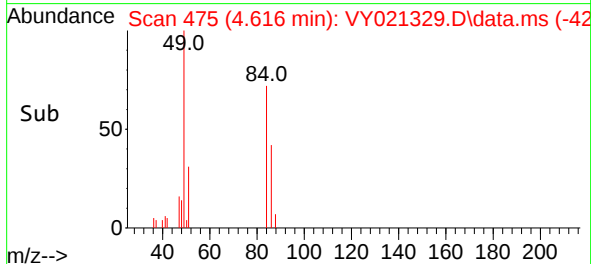
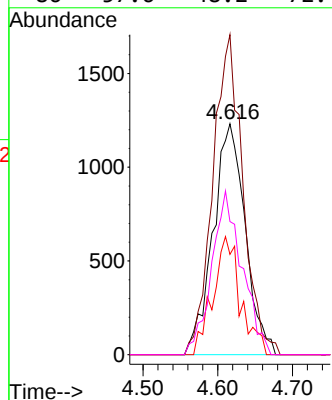


#20
Methylene Chloride
Concen: 1.334 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

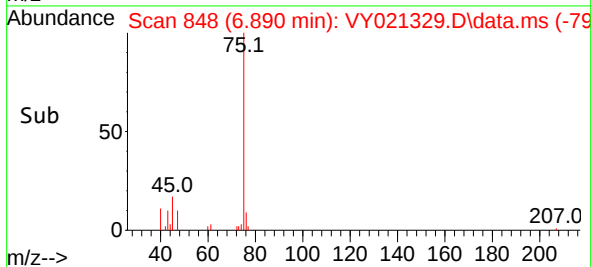
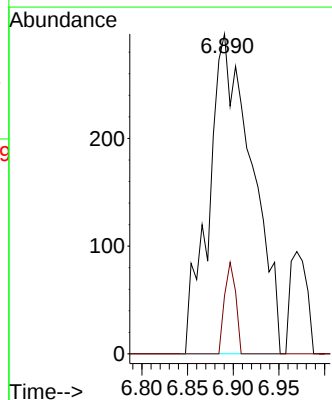
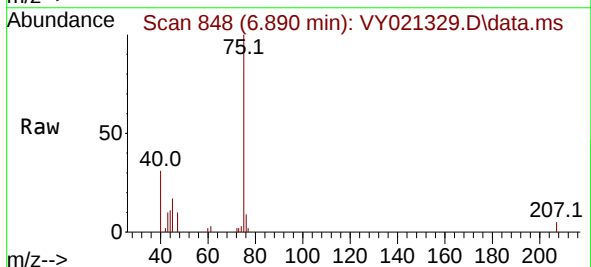


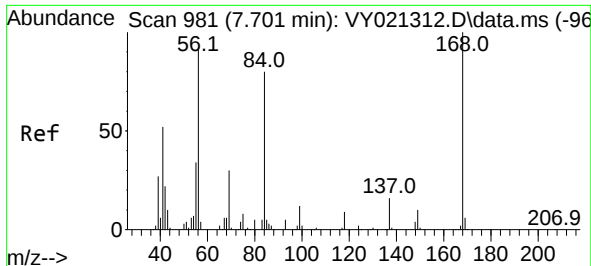
Tgt Ion:	84	Resp:	3687
Ion	Ratio	Lower	Upper
84	100		
49	138.6	105.1	157.7
51	43.4	31.0	46.4
86	57.6	48.2	72.4



#25
2-Butanone
Concen: 1.265 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Tgt Ion:	43	Resp:	976
Ion	Ratio	Lower	Upper
43	100		
72	18.2	19.0	28.6#

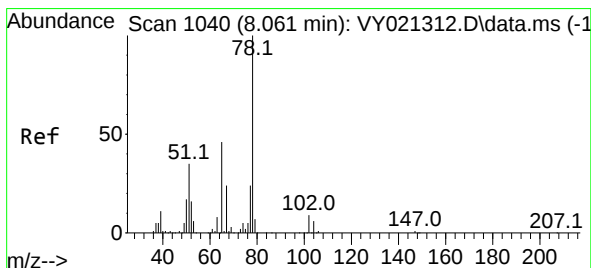
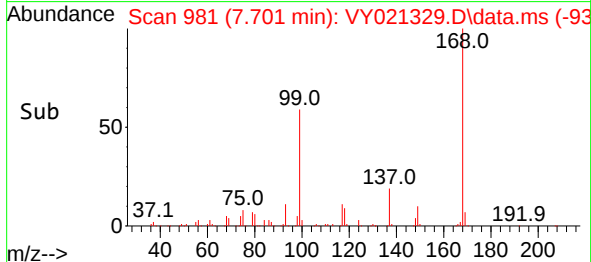
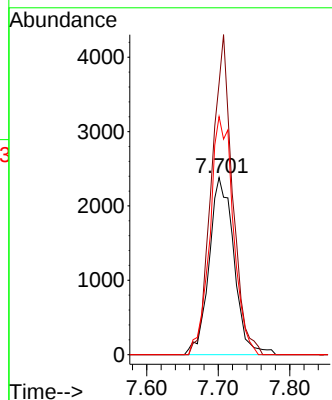
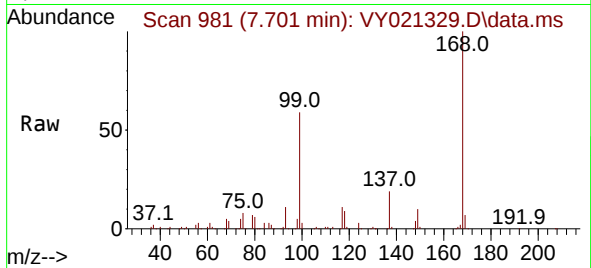




#31
Cyclohexane
Concen: 1.220 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

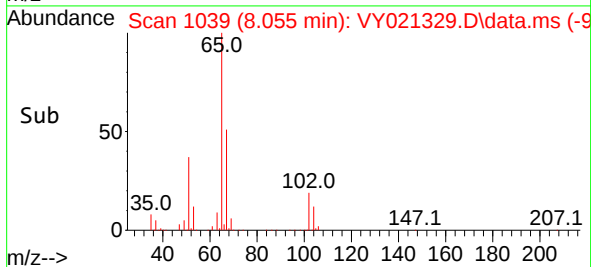
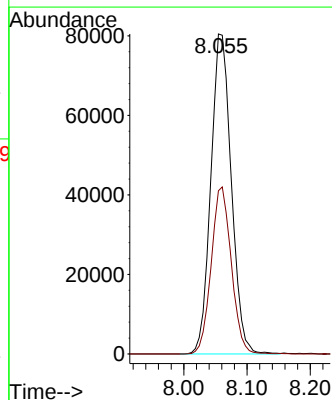
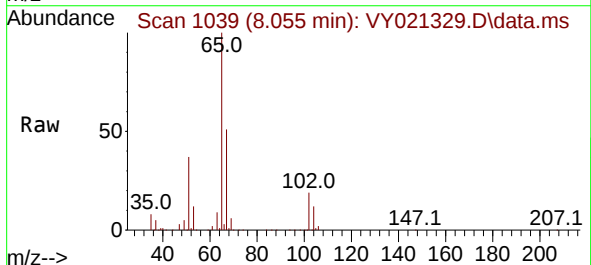
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

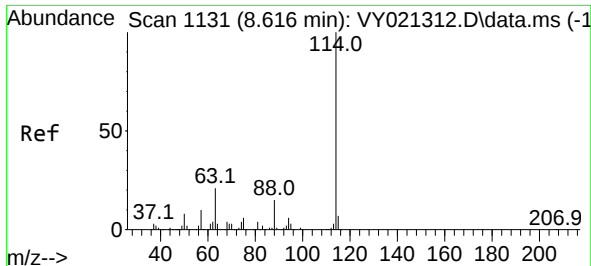
Tgt Ion: 56 Resp: 5732
Ion Ratio Lower Upper
56 100
69 153.1 26.2 39.4#
84 134.4 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 67.797 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Tgt Ion: 65 Resp: 180680
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.6

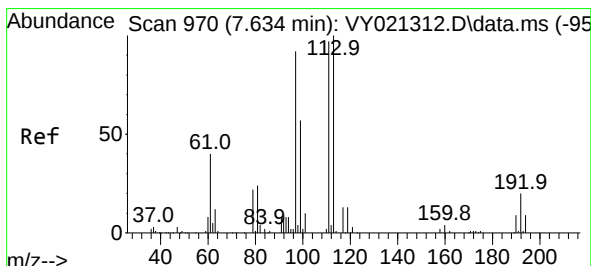
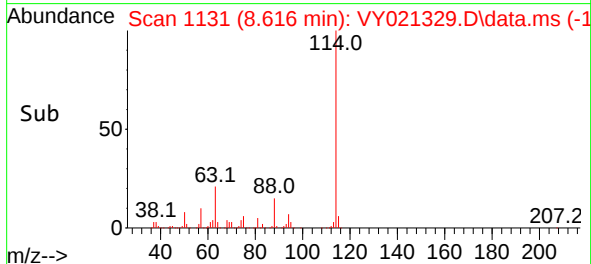
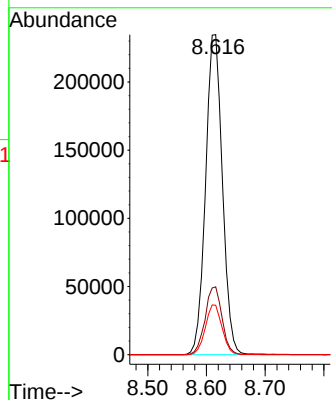
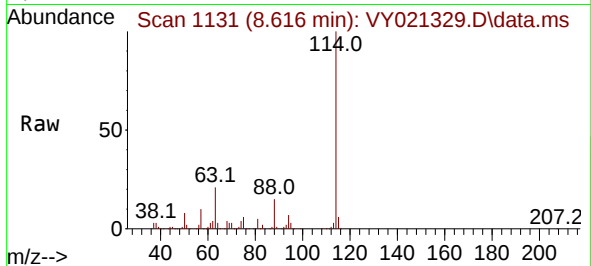




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

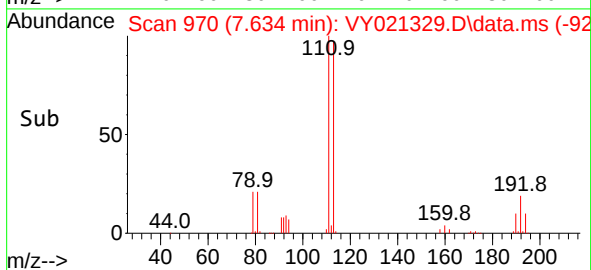
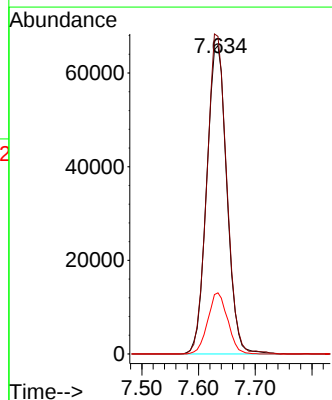
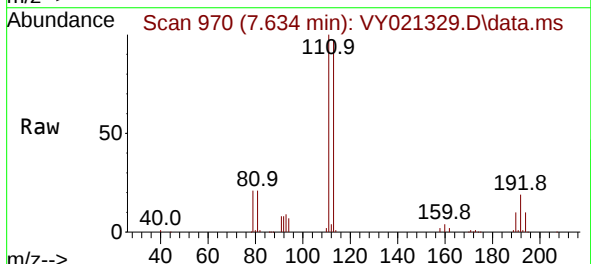
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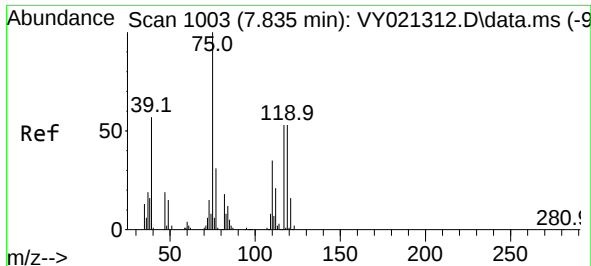
Tgt Ion:	114	Resp:	466686
Ion Ratio	Lower	Upper	
114	100		
63	21.2	0.0	42.2
88	15.5	0.0	29.8



#35
Dibromofluoromethane
Concen: 53.220 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Tgt Ion:	113	Resp:	162833
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.0	121.6
192	19.6	15.8	23.8





#36

1,1-Dichloropropene

Concen: 4.223 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY021329.D

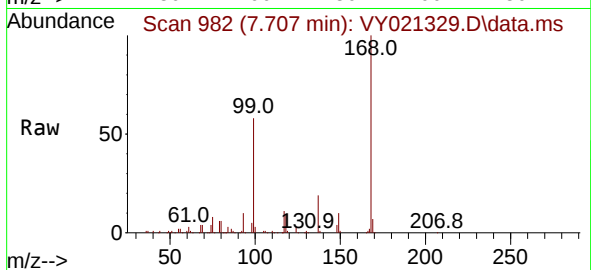
Acq: 26 Feb 2025 14:17

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-192-GW-860-862



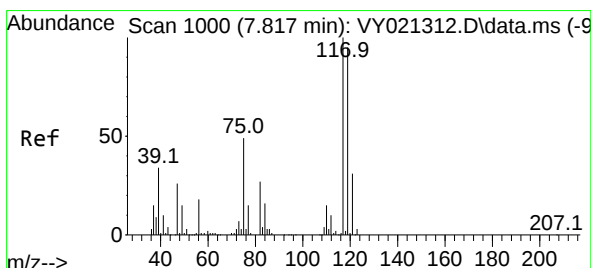
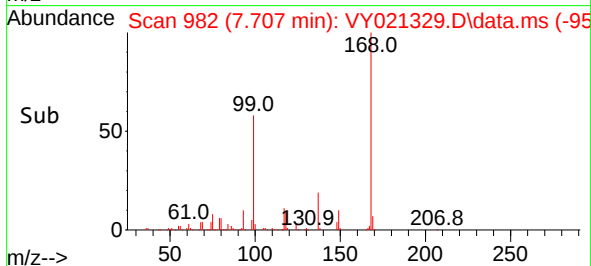
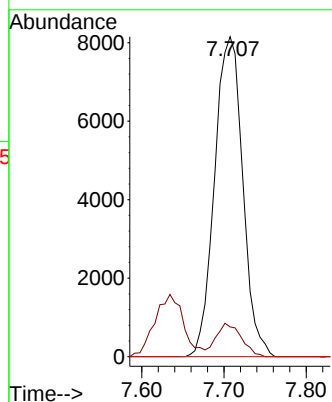
Tgt Ion: 75 Resp: 19409

Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.7#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 4.723 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY021329.D

Acq: 26 Feb 2025 14:17

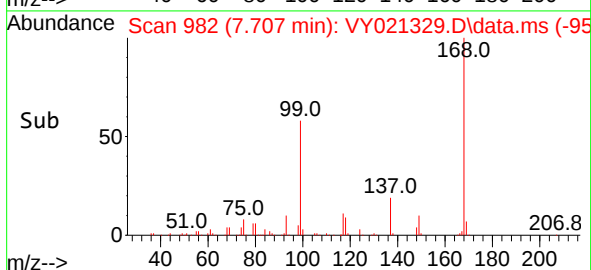
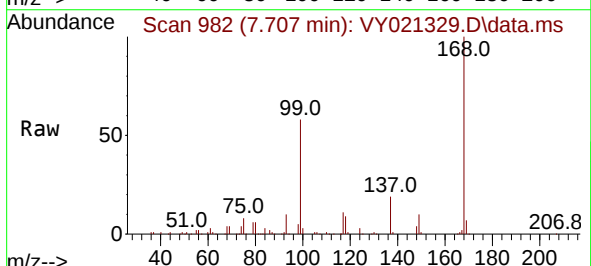
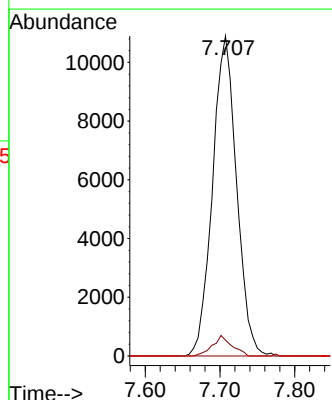
Tgt Ion: 117 Resp: 24403

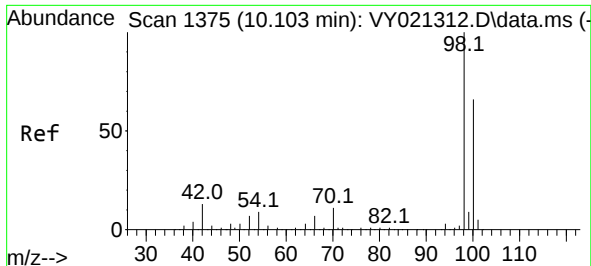
Ion Ratio Lower Upper

117 100

119 4.9 76.0 114.0#

121 0.0 24.9 37.3#

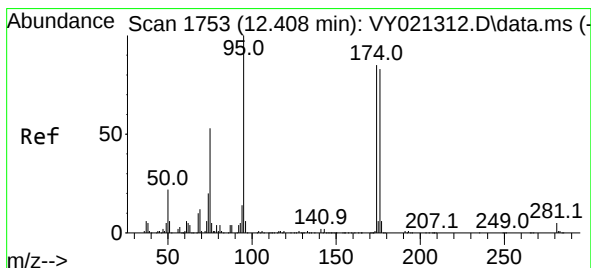
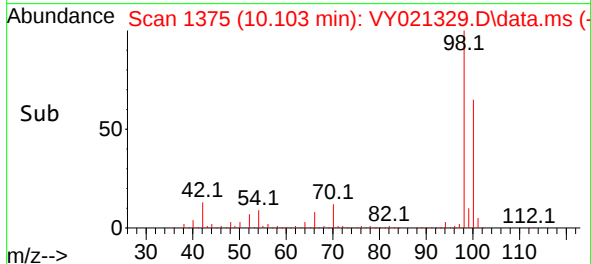
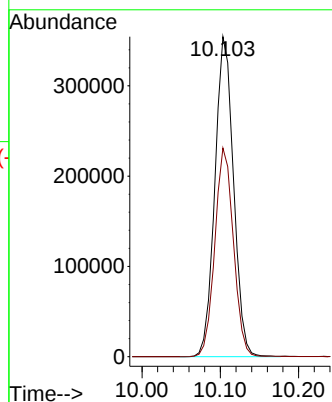
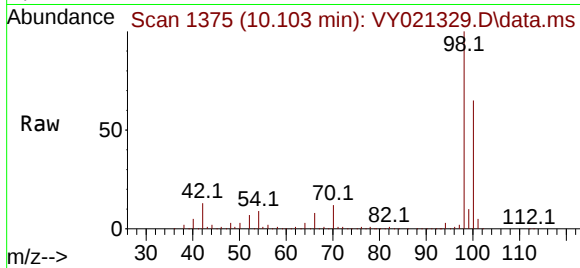




#50
Toluene-d8
Concen: 49.602 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

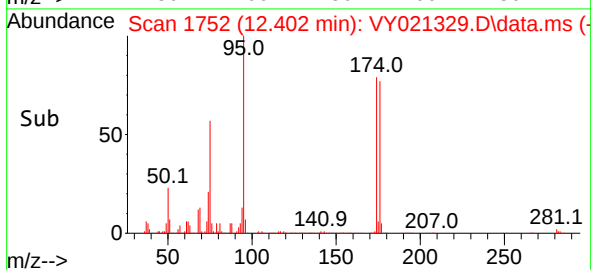
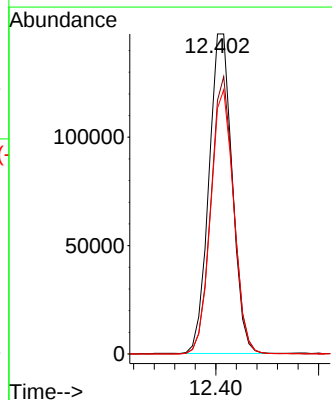
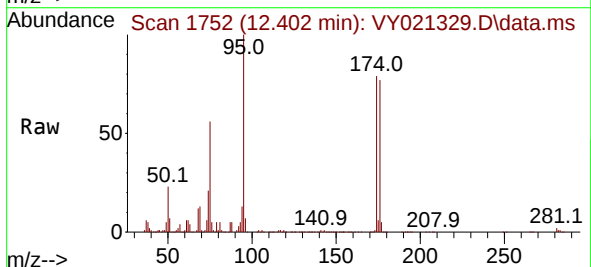
Instrument :
MSVOA_Y
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BP-VPB-192-GW-860-862

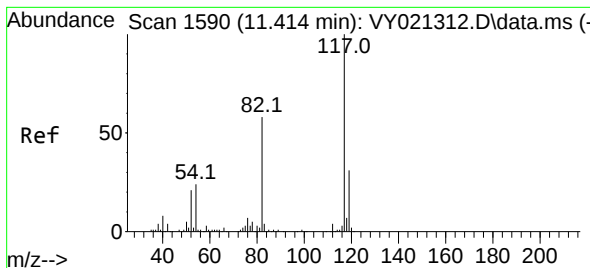
Tgt Ion: 98 Resp: 586525
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 58.497 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Tgt Ion: 95 Resp: 232790
Ion Ratio Lower Upper
95 100
174 84.5 0.0 168.0
176 81.9 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021329.D

Acq: 26 Feb 2025 14:17

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-192-GW-860-862

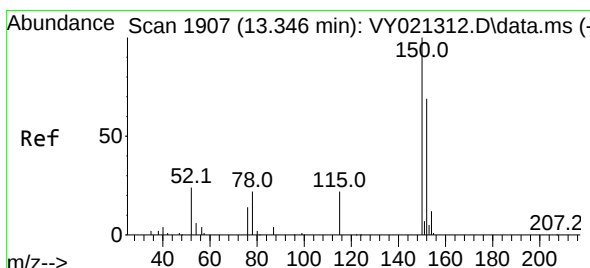
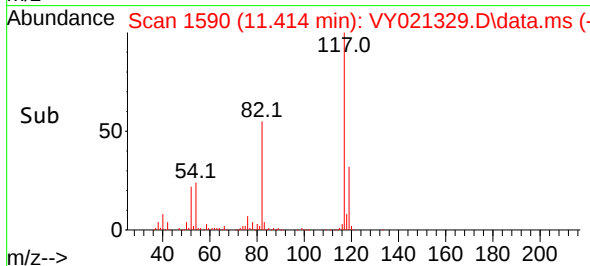
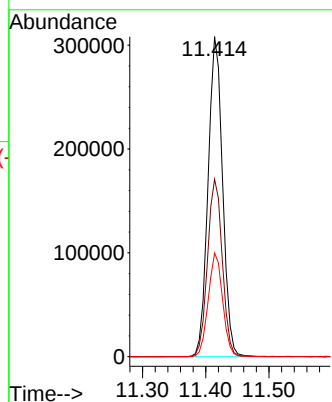
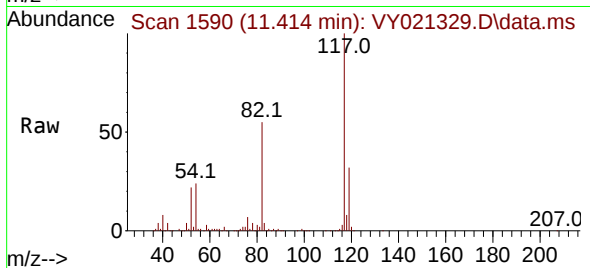
Tgt Ion:117 Resp: 492462

Ion Ratio Lower Upper

117 100

82 55.4 46.2 69.4

119 32.4 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021329.D

Acq: 26 Feb 2025 14:17

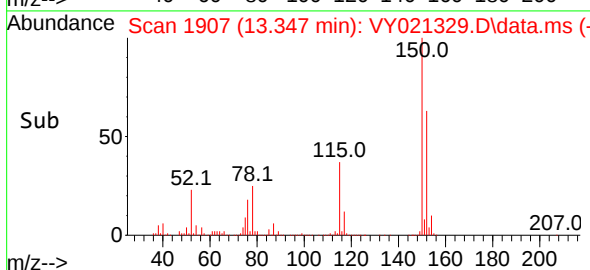
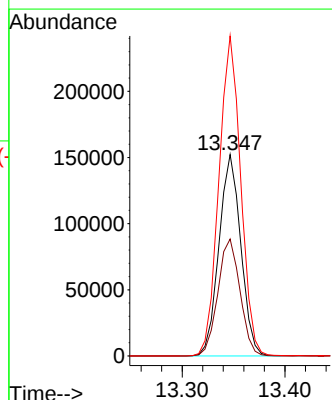
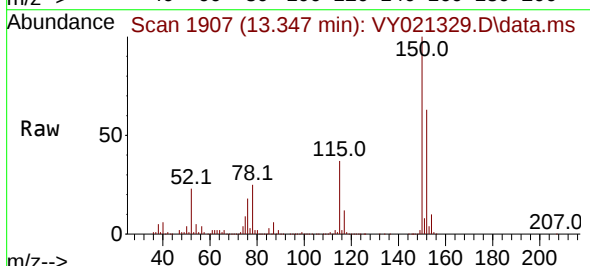
Tgt Ion:152 Resp: 224351

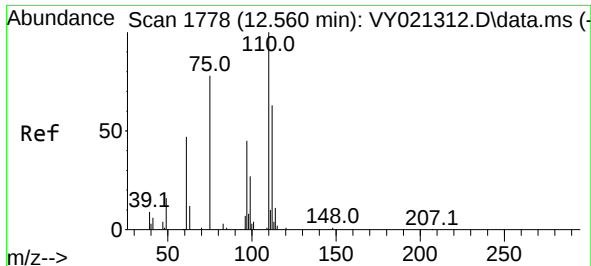
Ion Ratio Lower Upper

152 100

115 58.9 29.3 88.0

150 158.8 0.0 347.4

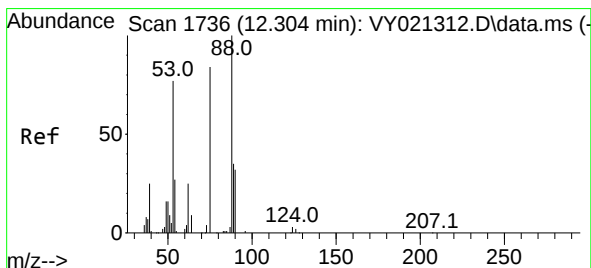
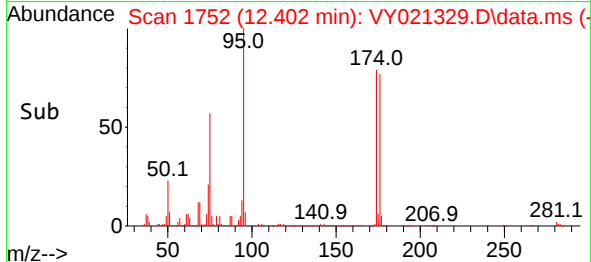
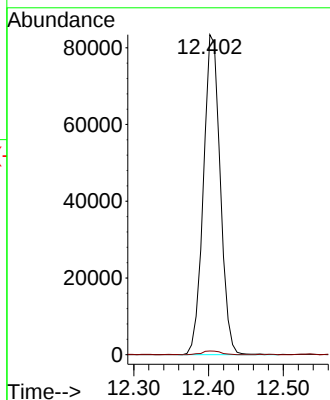
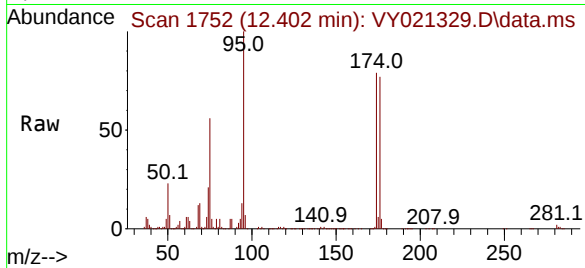




#76
1,2,3-Trichloropropane
Concen: 57.947 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

Tgt Ion: 75 Resp: 130127
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.795 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Tgt Ion: 75 Resp: 130127
Ion Ratio Lower Upper
75 100
53 0.1 79.1 118.7#
89 0.0 35.6 53.4#

