

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021837.D
 Acq On : 10 Apr 2025 14:50
 Operator : SY/MD
 Sample : Q1738-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-040425RE

Quant Time: Apr 11 01:51:09 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)

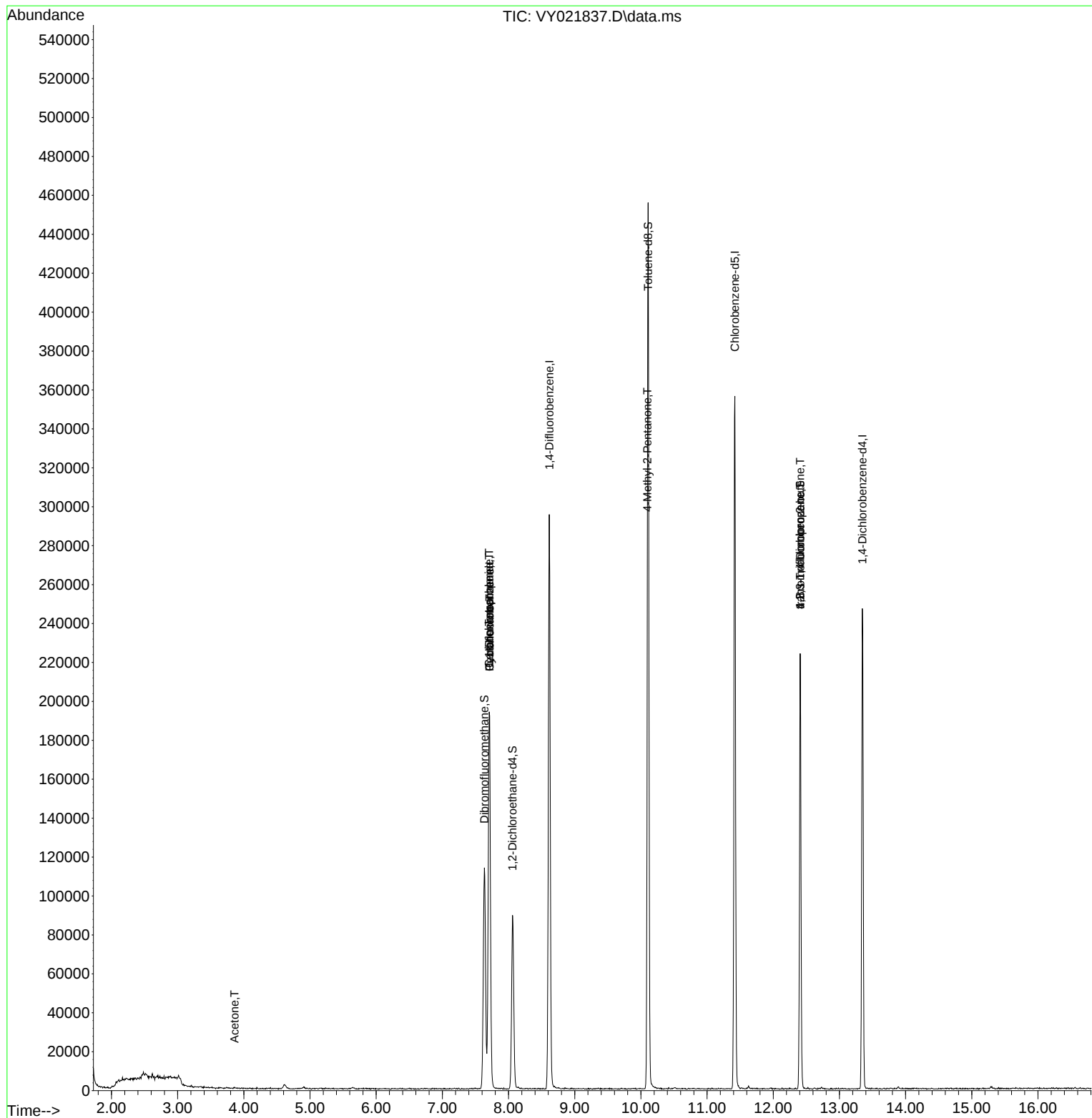
Internal Standards						
1) Pentafluorobenzene	7.713	168	149036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	241533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	187974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	62785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	70766	43.824	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.640%
35) Dibromofluoromethane	7.634	113	79287	50.605	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.200%
50) Toluene-d8	10.109	98	284553	47.740	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.480%
62) 4-Bromofluorobenzene	12.408	95	67508	33.484	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	66.960%
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	542	1.640	ug/l #	44
20) Methylene Chloride	4.610	84	1619	Below Cal	#	78
31) Cyclohexane	7.713	56	3680	1.291	ug/l #	33
36) 1,1-Dichloropropene	7.707	75	12654	5.302	ug/l #	50
38) Carbon Tetrachloride	7.707	117	15142	5.540	ug/l #	17
51) 4-Methyl-2-Pentanone	10.097	43	1372	1.235	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	34522	55.469	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	34522	127.811	ug/l #	12

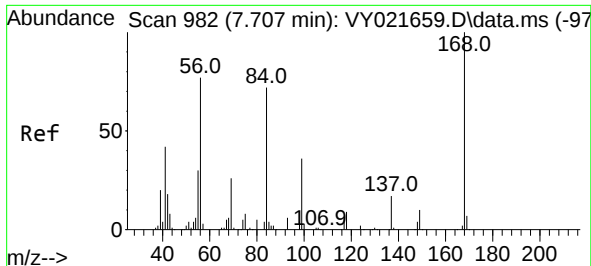
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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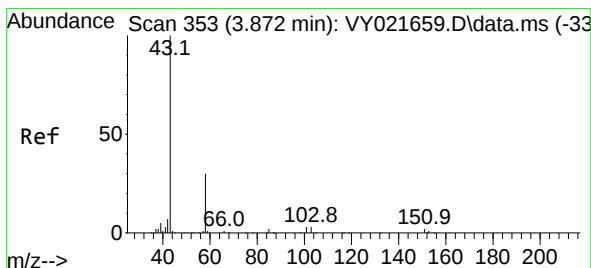
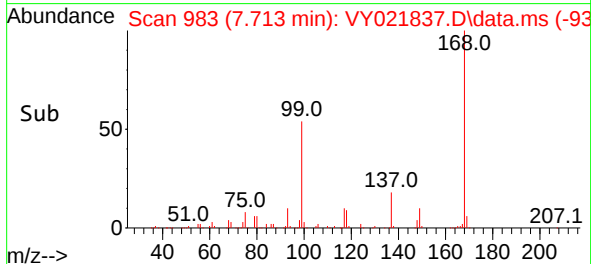
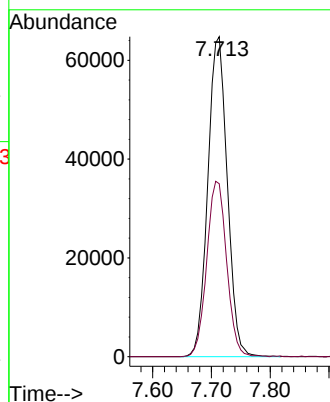
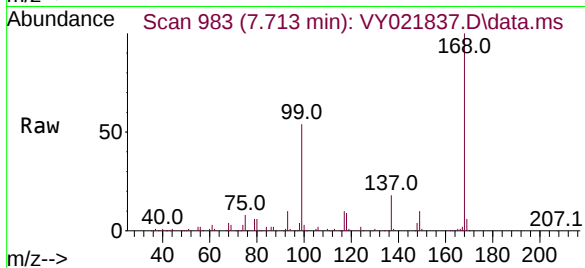




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

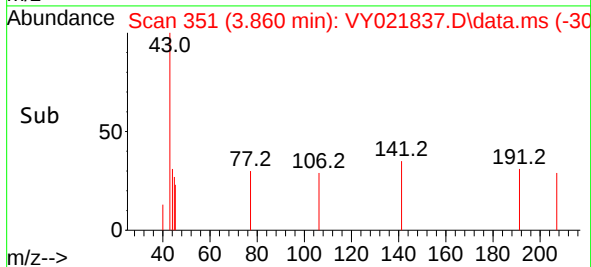
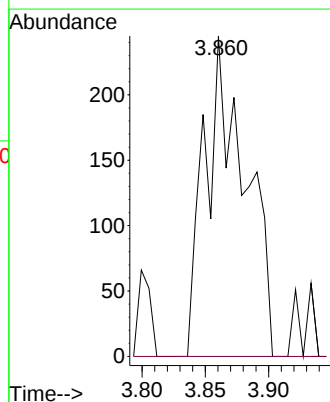
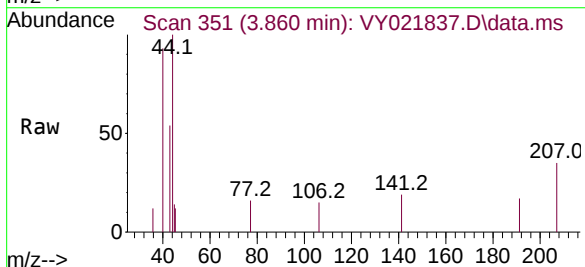
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-040425RE

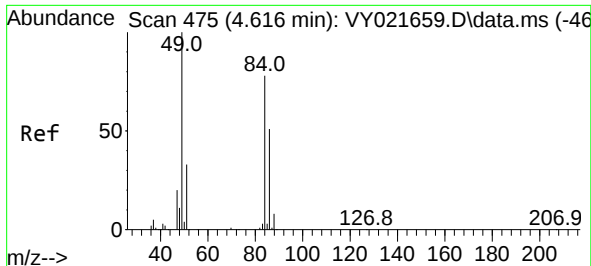
Tgt Ion:168 Resp: 149036
Ion Ratio Lower Upper
168 100
99 54.0 46.7 70.1



#16
Acetone
Concen: 1.640 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

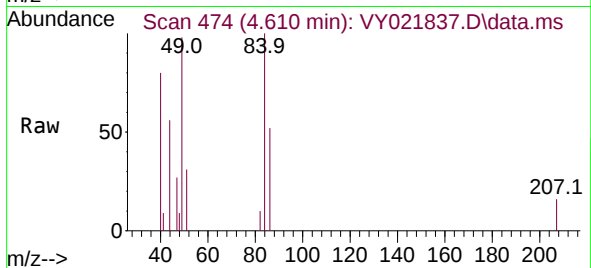
Tgt Ion: 43 Resp: 542
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#



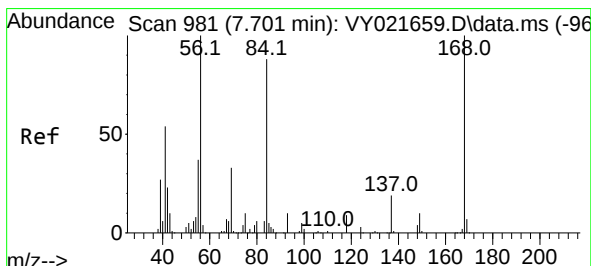
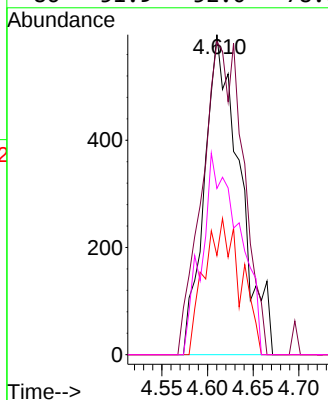
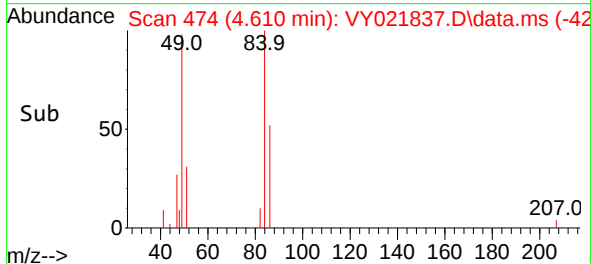


#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

Instrument :
MSVOA_Y
ClientSampleId :
OK-02-040425RE

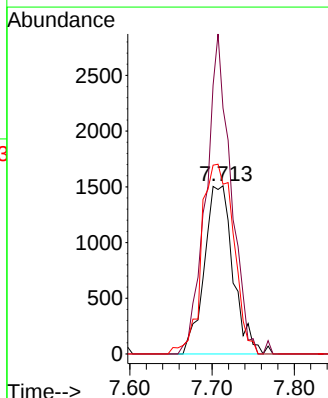
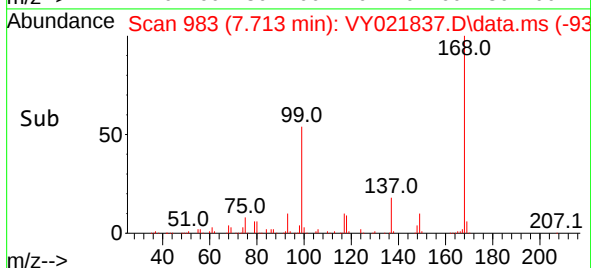
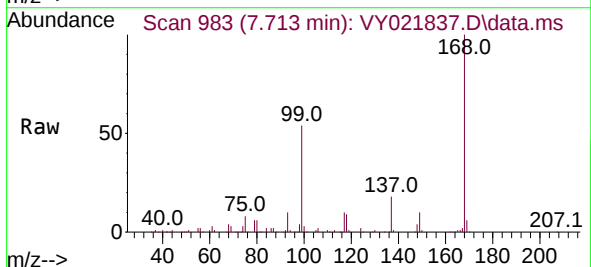


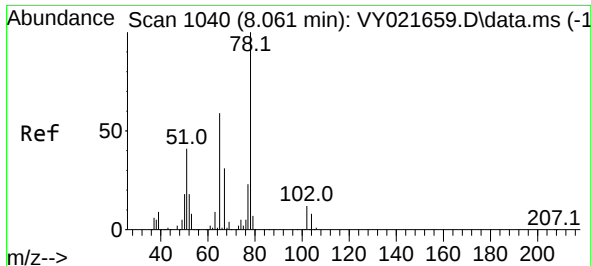
Tgt Ion:	84	Resp:	1619
Ion	Ratio	Lower	Upper
84	100		
49	97.8	102.8	154.2#
51	31.0	33.5	50.3#
86	51.9	52.0	78.0#



#31
Cyclohexane
Concen: 1.291 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

Tgt Ion:	56	Resp:	3680
Ion	Ratio	Lower	Upper
56	100		
69	146.2	26.6	40.0#
84	100.9	69.0	103.4





#33

1,2-Dichloroethane-d4

Concen: 43.824 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021837.D

Acq: 10 Apr 2025 14:50

Instrument :

MSVOA_Y

ClientSampleId :

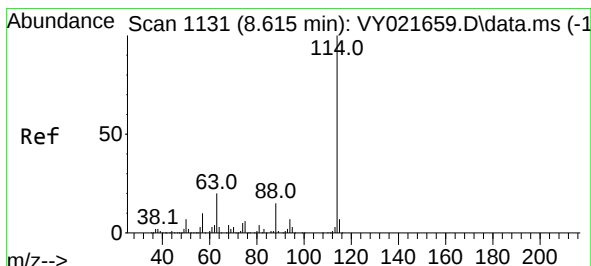
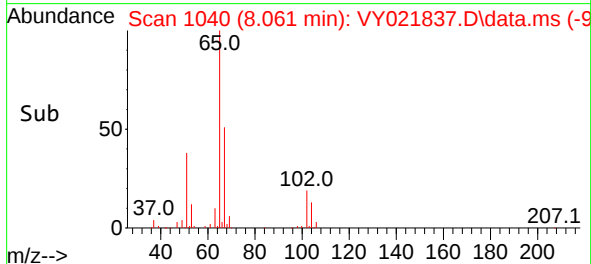
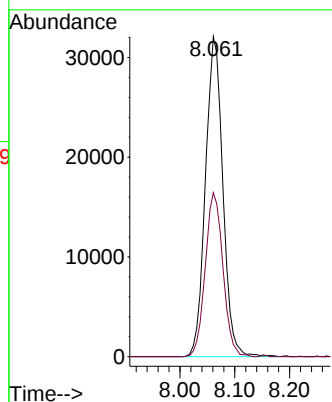
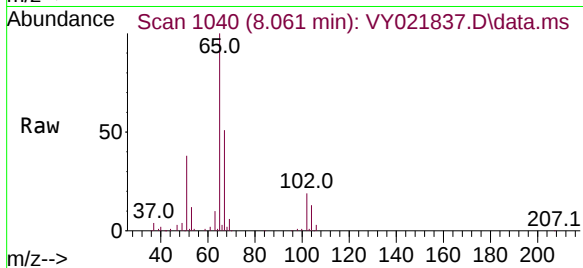
OK-02-040425RE

Tgt Ion: 65 Resp: 70766

Ion Ratio Lower Upper

65 100

67 52.0 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: VY021837.D

Acq: 10 Apr 2025 14:50

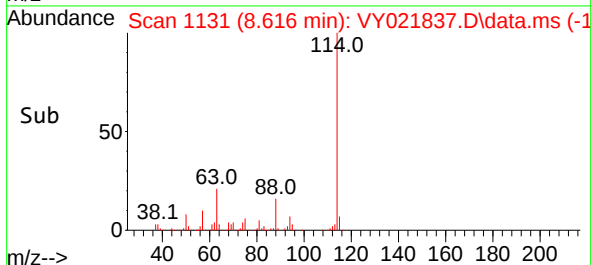
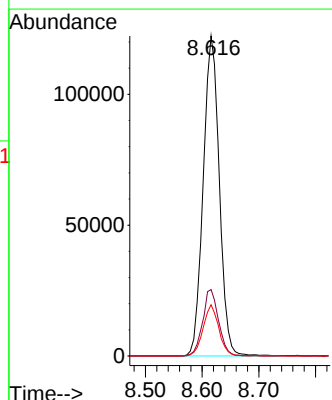
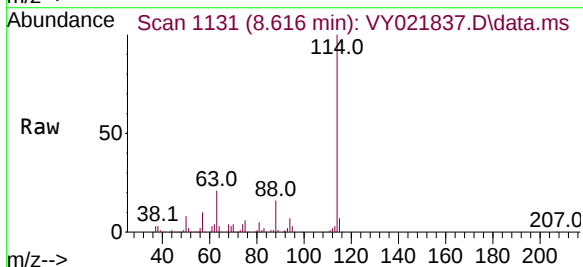
Tgt Ion: 114 Resp: 241533

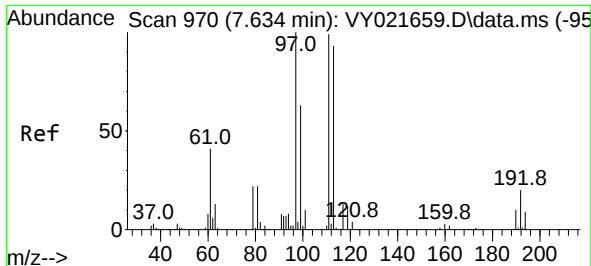
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 16.0 0.0 29.8

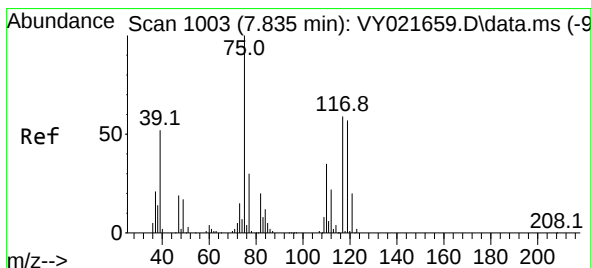
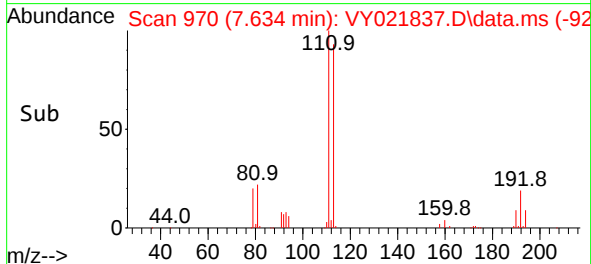
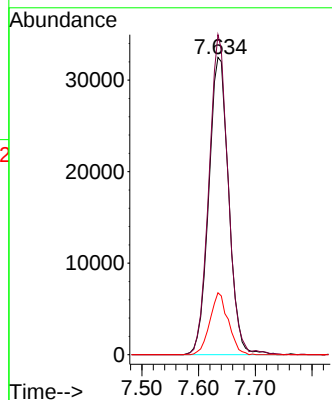
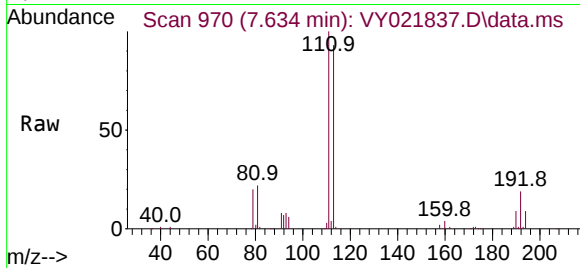




#35
Dibromofluoromethane
Concen: 50.605 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

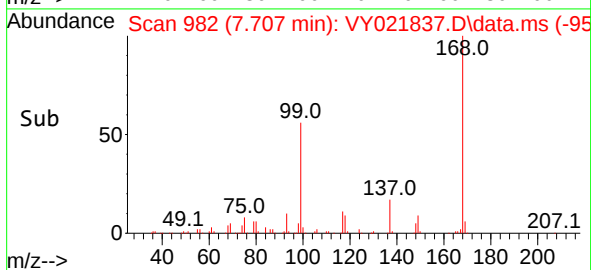
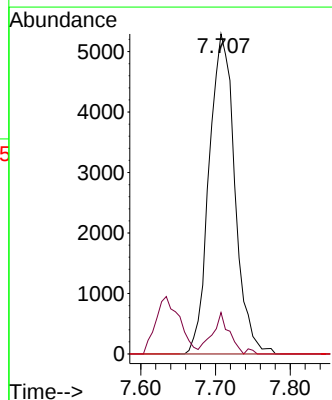
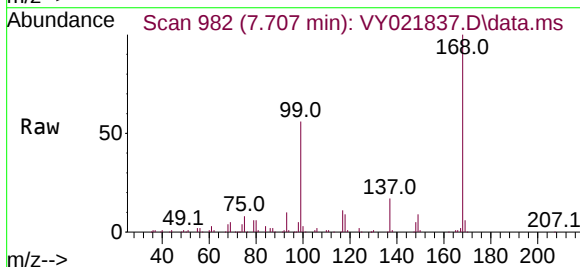
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-040425RE

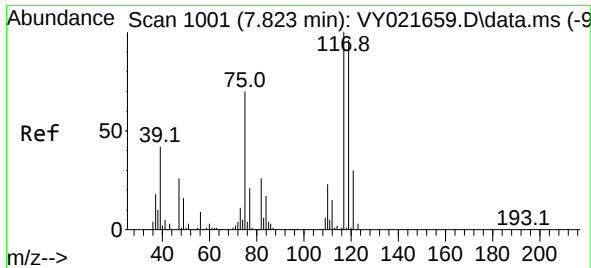
Tgt Ion:113 Resp: 79287
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 19.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 5.302 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

Tgt Ion: 75 Resp: 12654
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.0 24.8 37.2#

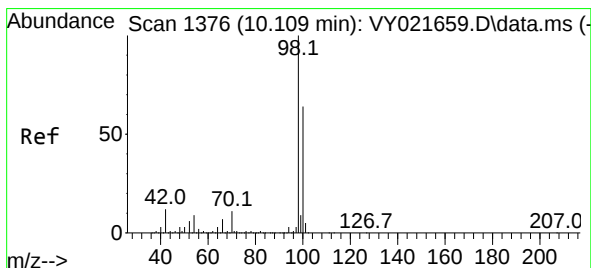
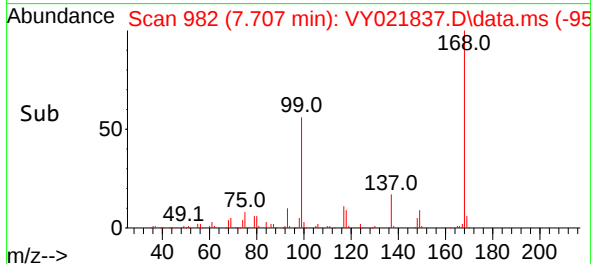
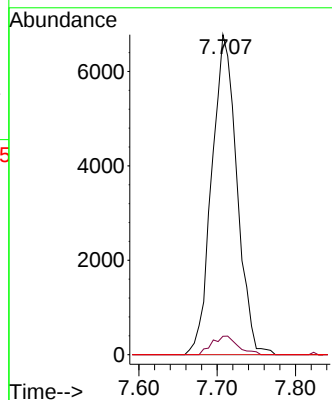
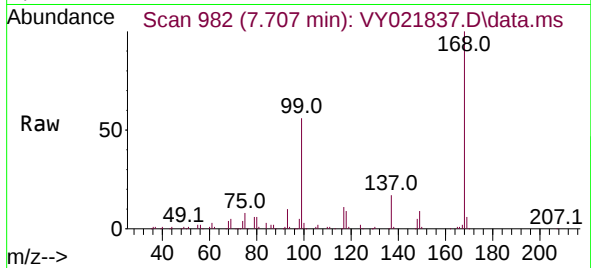




#38
Carbon Tetrachloride
Concen: 5.540 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

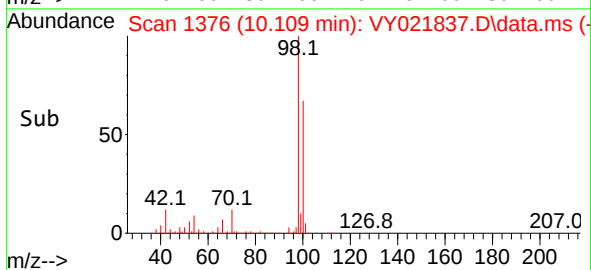
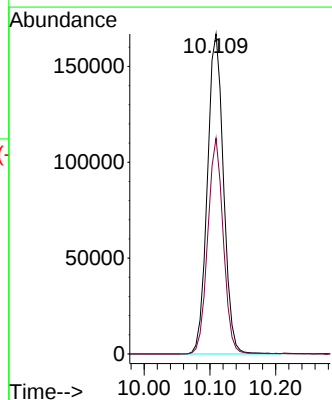
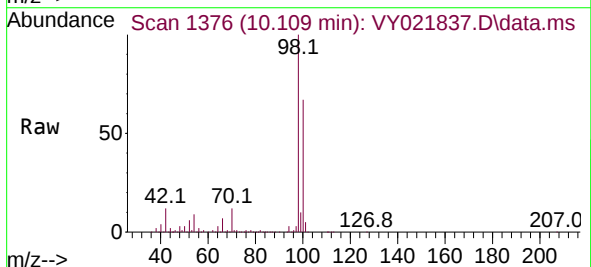
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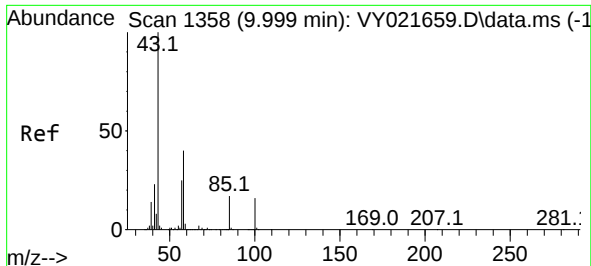
Tgt Ion:117 Resp: 15142
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 47.740 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

Tgt Ion: 98 Resp: 284553
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

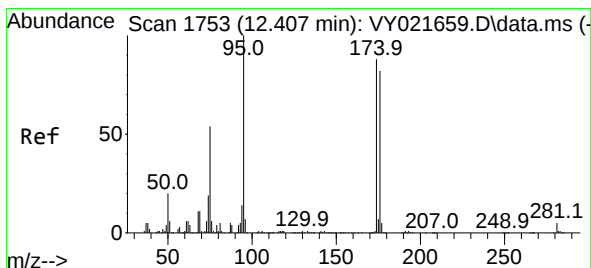
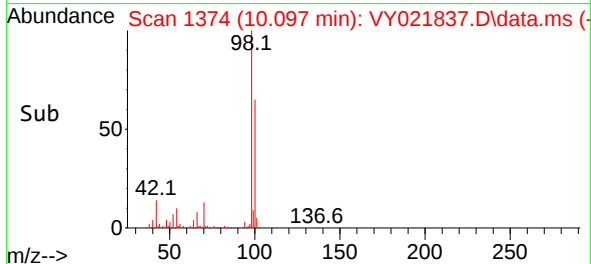
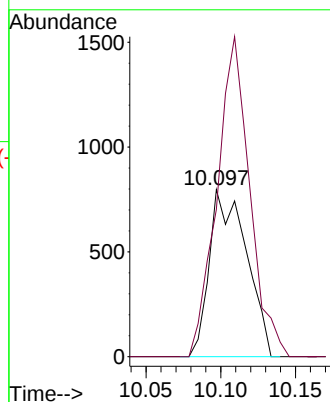
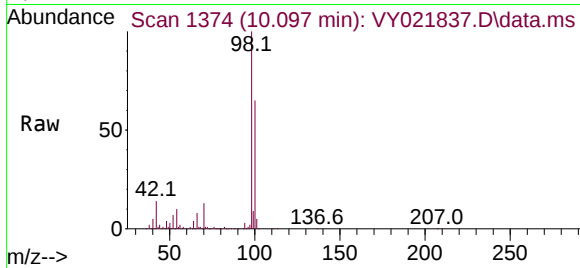




#51
4-Methyl-2-Pentanone
Concen: 1.235 ug/l
RT: 10.097 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

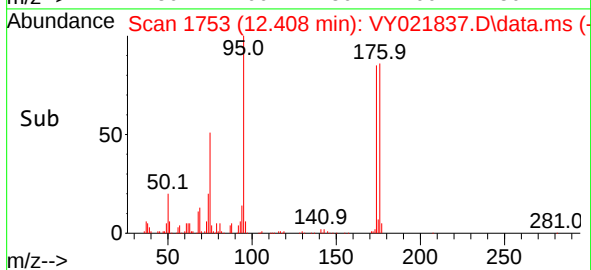
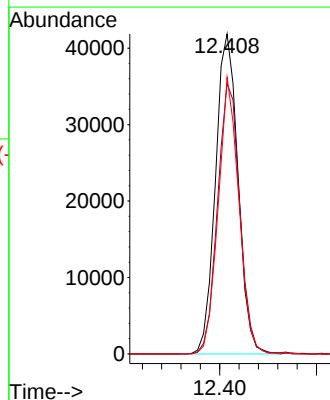
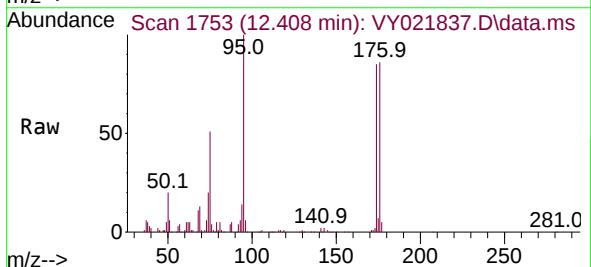
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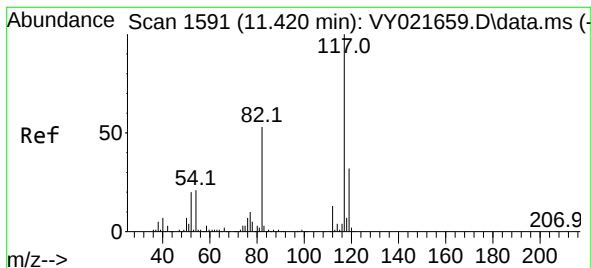
Tgt Ion: 43 Resp: 1372
Ion Ratio Lower Upper
43 100
58 169.5 31.5 47.3#



#62
4-Bromofluorobenzene
Concen: 33.484 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

Tgt Ion: 95 Resp: 67508
Ion Ratio Lower Upper
95 100
174 83.6 0.0 170.8
176 79.3 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021837.D

Acq: 10 Apr 2025 14:50

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-040425RE

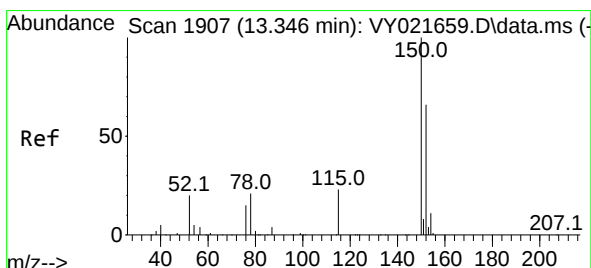
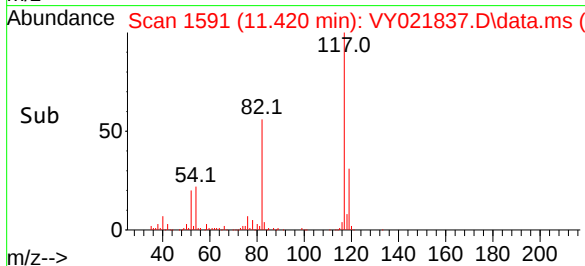
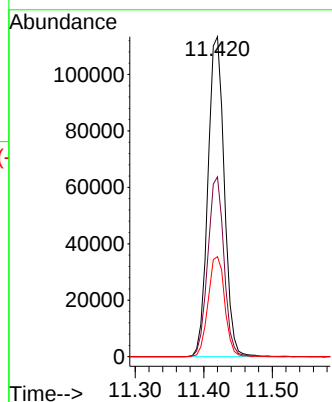
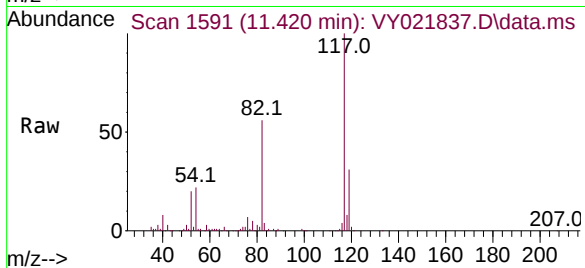
Tgt Ion:117 Resp: 187974

Ion Ratio Lower Upper

117 100

82 56.2 42.8 64.2

119 31.3 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021837.D

Acq: 10 Apr 2025 14:50

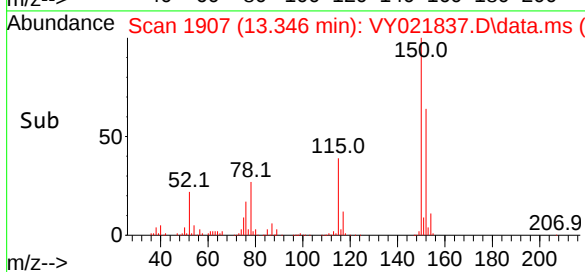
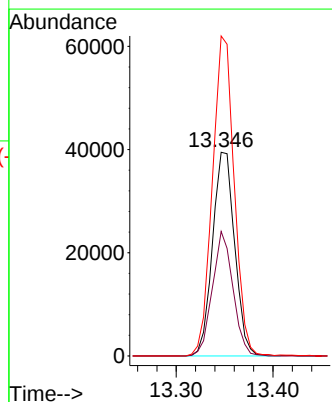
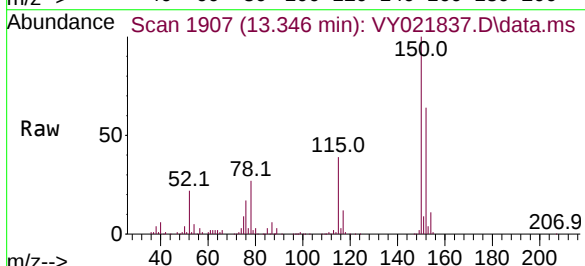
Tgt Ion:152 Resp: 62785

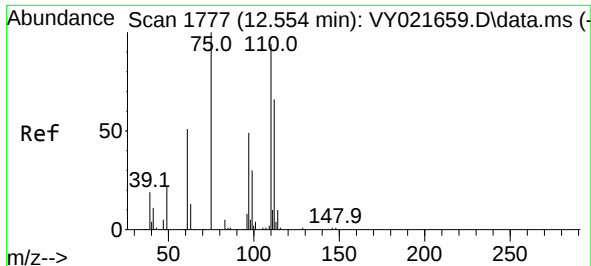
Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 154.6 0.0 348.4

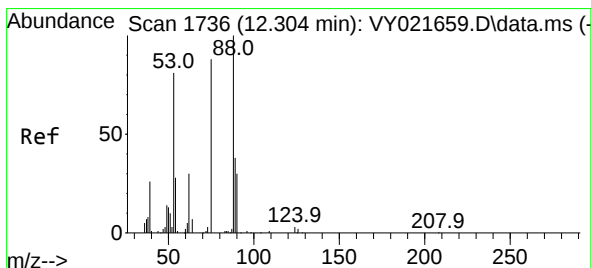
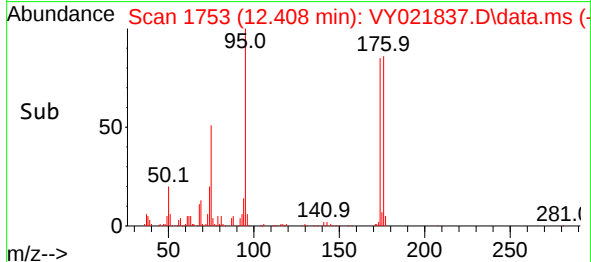
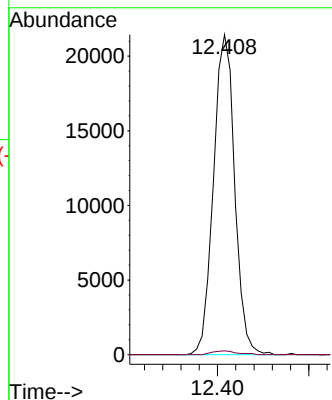
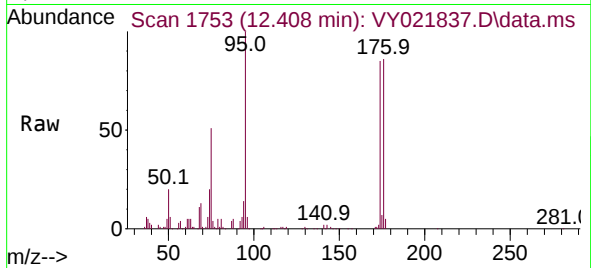




#76
1,2,3-Trichloropropane
Concen: 55.469 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

Instrument :
MSVOA_Y
ClientSampleId :
OK-02-040425RE

Tgt Ion: 75 Resp: 34522
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.811 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

Tgt Ion: 75 Resp: 34522
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.1 36.2 54.4#

