

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031925\
 Data File : VY021570.D
 Acq On : 19 Mar 2025 14:57
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Mar 20 01:30:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

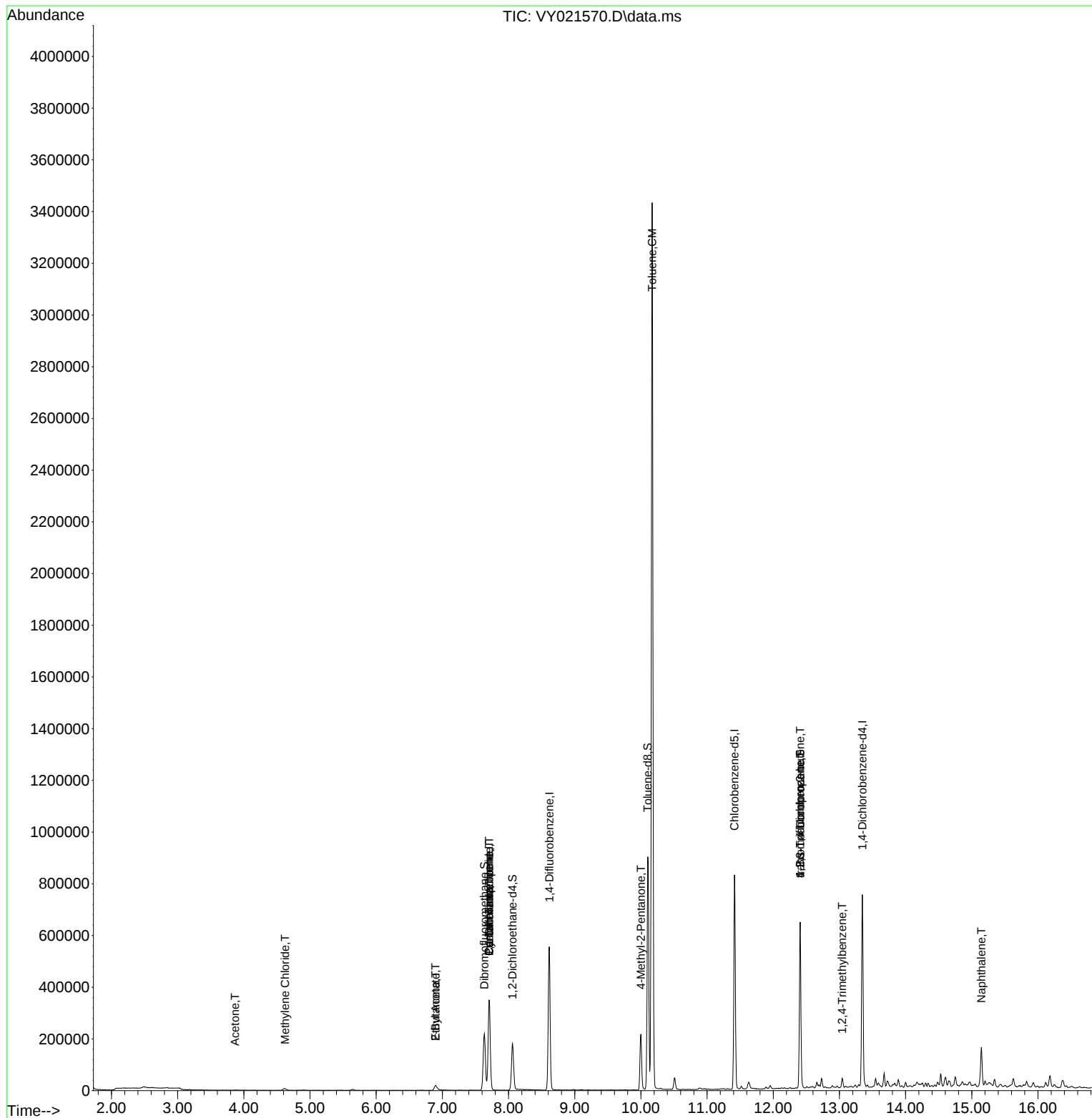
Internal Standards						
1) Pentafluorobenzene	7.707	168	264612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	470473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	424737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	184350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141693	50.663	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.320%
35) Dibromofluoromethane	7.634	113	154470	49.950	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.900%
50) Toluene-d8	10.103	98	583173	49.805	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.600%
62) 4-Bromofluorobenzene	12.408	95	185397	46.547	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.100%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.885	59	123	Below Cal	#	77
16) Acetone	3.866	43	1300	2.131	ug/l #	60
20) Methylene Chloride	4.622	84	4617	1.442	ug/l #	78
25) 2-Butanone	6.896	43	28165	33.378	ug/l	95
31) Cyclohexane	7.707	56	5887	1.124	ug/l #	9
36) 1,1-Dichloropropene	7.707	75	21466	4.434	ug/l #	49
37) Ethyl Acetate	6.896	43	28165	13.164	ug/l #	69
38) Carbon Tetrachloride	7.707	117	26326	4.729	ug/l #	15
51) 4-Methyl-2-Pentanone	9.999	43	138550	64.652	ug/l	98
52) Toluene	10.170	92	1379313	153.425	ug/l	99
76) 1,2,3-Trichloropropane	12.408	75	98681	53.121	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	98681	120.761	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.042	105	19568	1.670	ug/l	100
95) Naphthalene	15.145	128	116423	23.720	ug/l	99

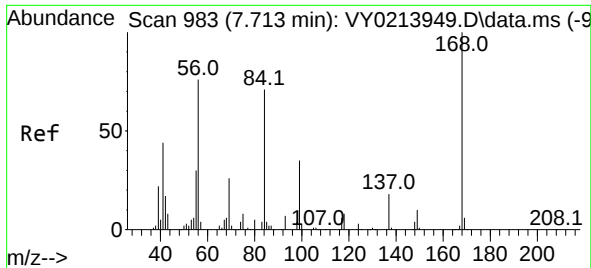
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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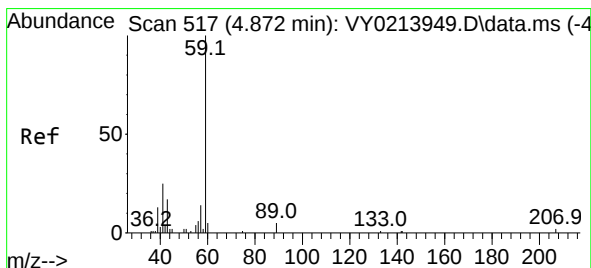
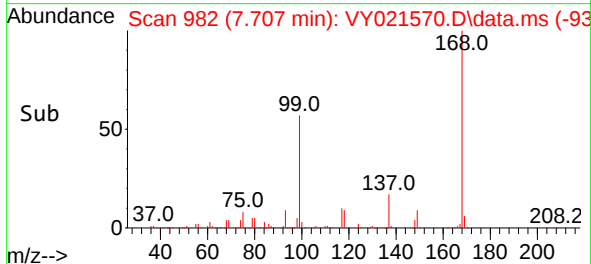
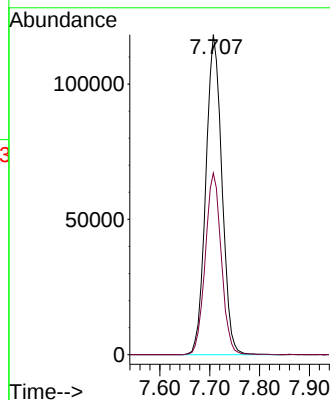
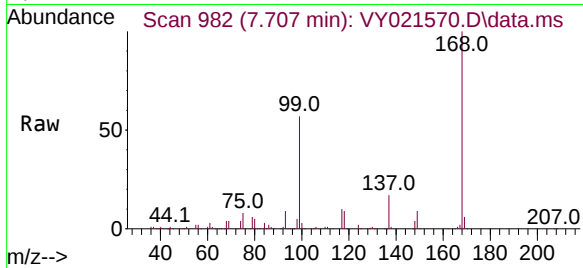




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021570.D
Acq: 19 Mar 2025 14:57

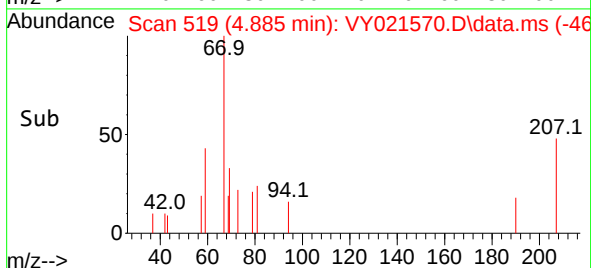
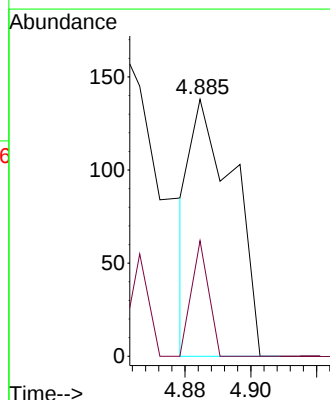
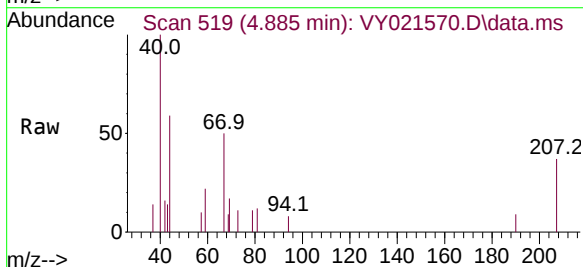
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

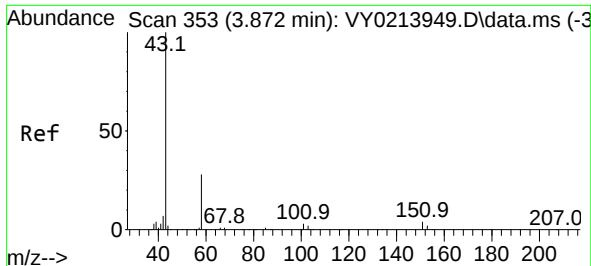
Tgt Ion:168 Resp: 264612
Ion Ratio Lower Upper
168 100
99 56.8 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.885 min Scan# 519
Delta R.T. 0.013 min
Lab File: VY021570.D
Acq: 19 Mar 2025 14:57

Tgt Ion: 59 Resp: 123
Ion Ratio Lower Upper
59 100
57 18.7 8.2 12.4#

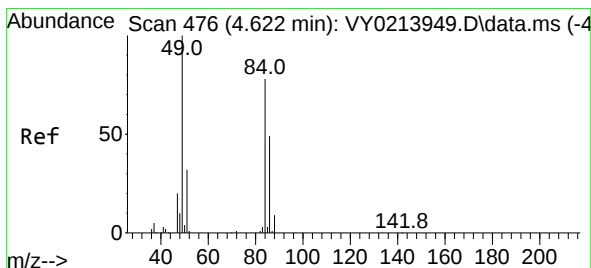
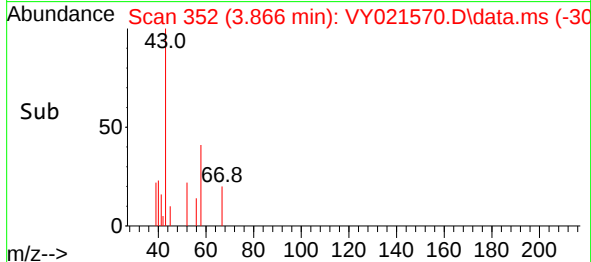
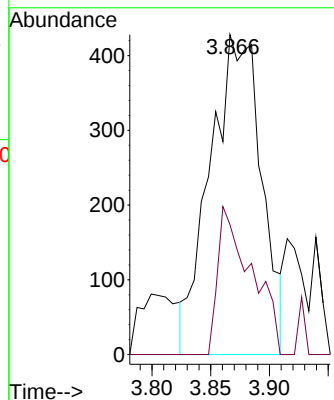
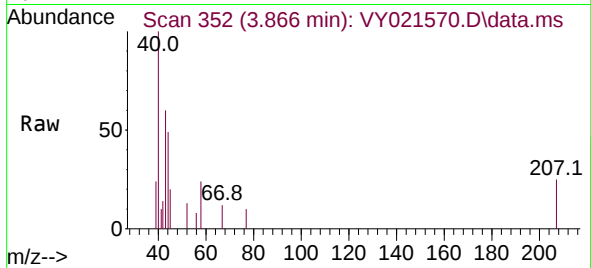




#16
Acetone
Concen: 2.131 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021570.D
Acq: 19 Mar 2025 14:57

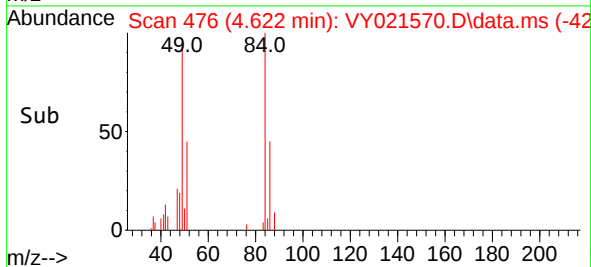
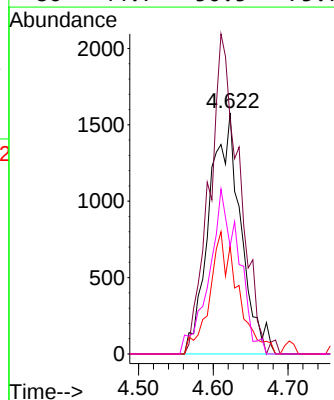
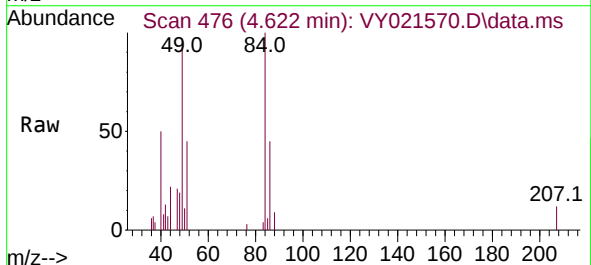
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

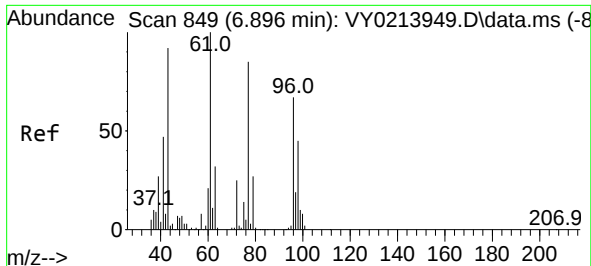
Tgt Ion: 43 Resp: 1300
Ion Ratio Lower Upper
43 100
58 48.6 22.1 33.1#



#20
Methylene Chloride
Concen: 1.442 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021570.D
Acq: 19 Mar 2025 14:57

Tgt Ion: 84 Resp: 4617
Ion Ratio Lower Upper
84 100
49 97.0 102.0 153.0#
51 44.7 33.0 49.6
86 44.7 50.5 75.7#

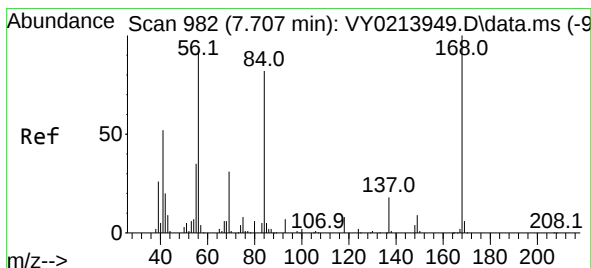
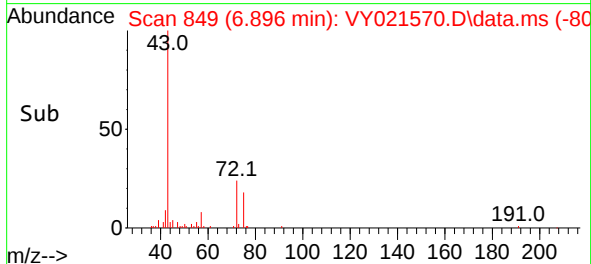
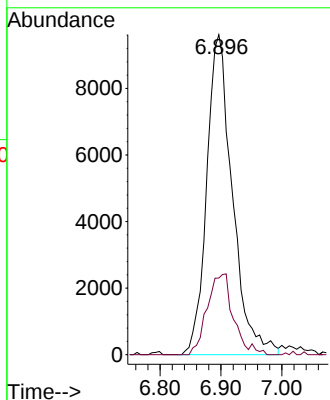
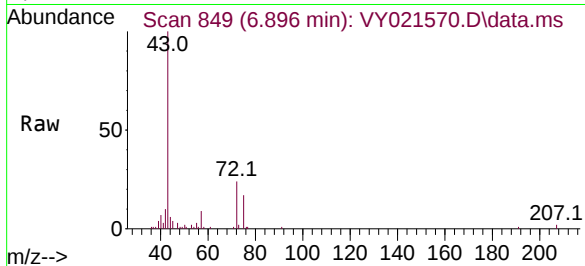




#25
2-Butanone
Concen: 33.378 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021570.D
Acq: 19 Mar 2025 14:57

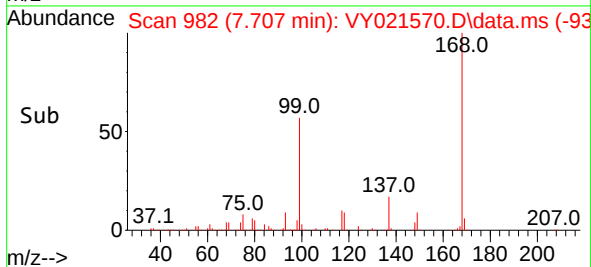
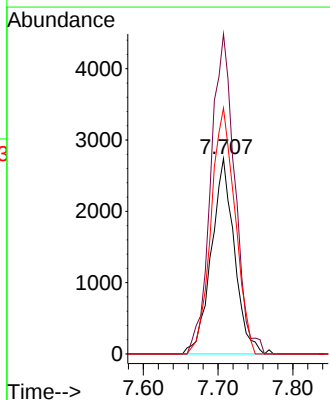
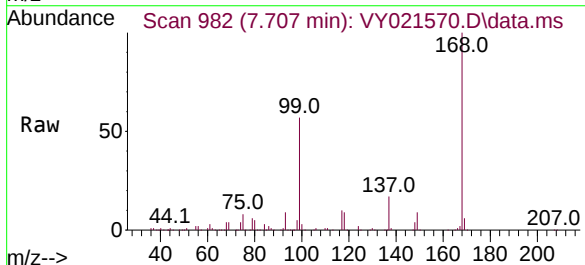
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

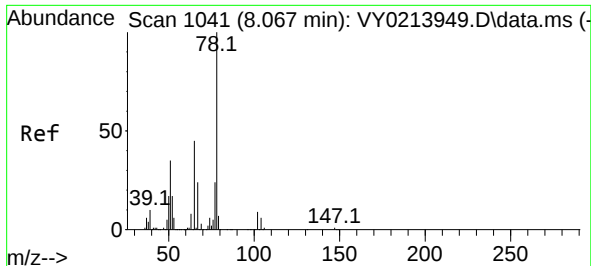
Tgt Ion: 43 Resp: 28165
Ion Ratio Lower Upper
43 100
72 23.9 21.4 32.0



#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021570.D
Acq: 19 Mar 2025 14:57

Tgt Ion: 56 Resp: 5887
Ion Ratio Lower Upper
56 100
69 163.8 27.0 40.4#
84 125.8 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 50.663 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021570.D

Acq: 19 Mar 2025 14:57

Instrument :

MSVOA_Y

ClientSampleId :

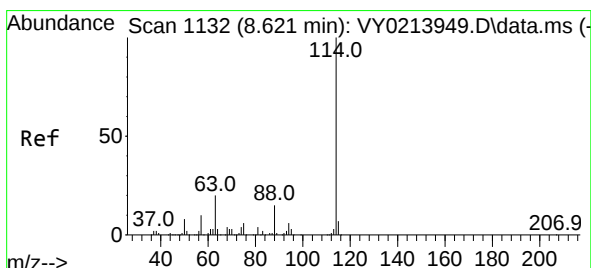
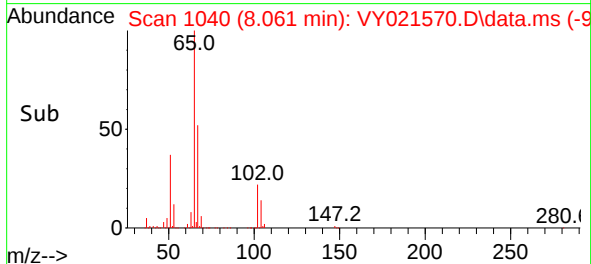
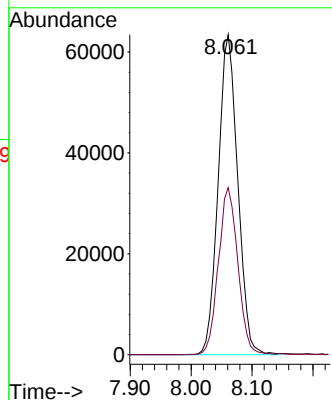
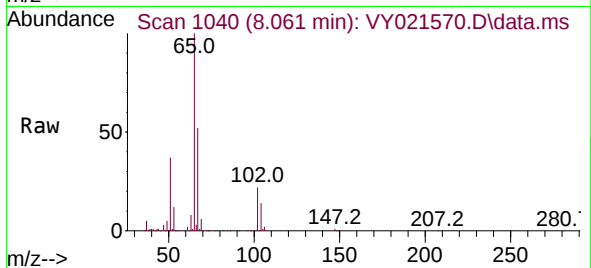
VIBLK

Tgt Ion: 65 Resp: 141693

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021570.D

Acq: 19 Mar 2025 14:57

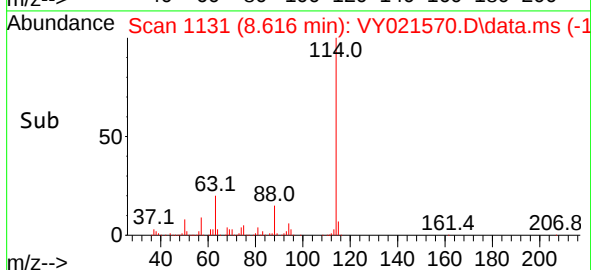
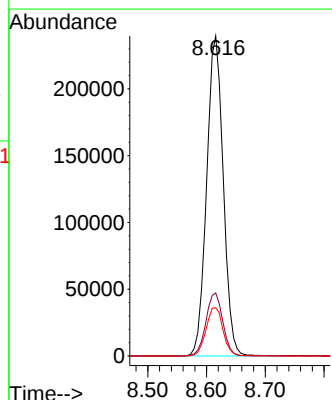
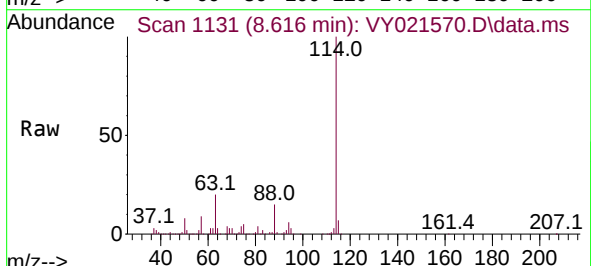
Tgt Ion: 114 Resp: 470473

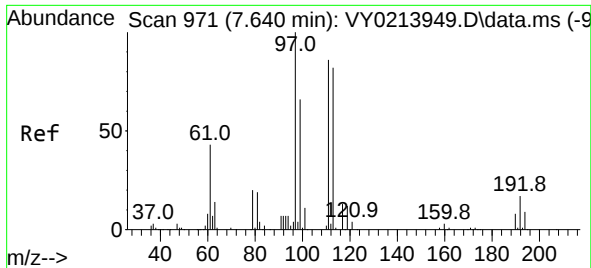
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 15.0 0.0 30.8

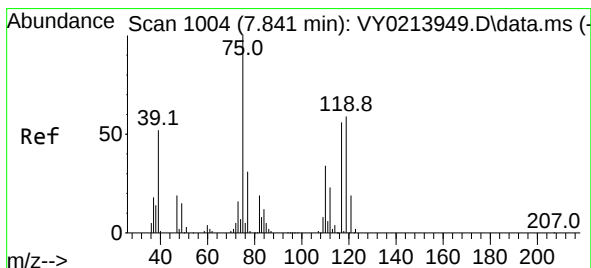
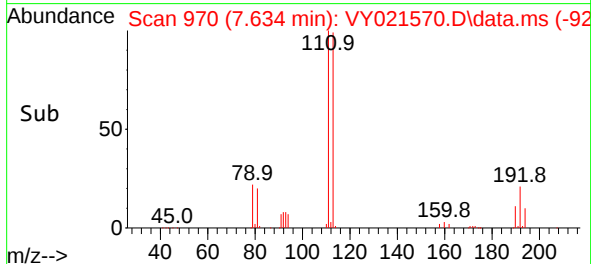
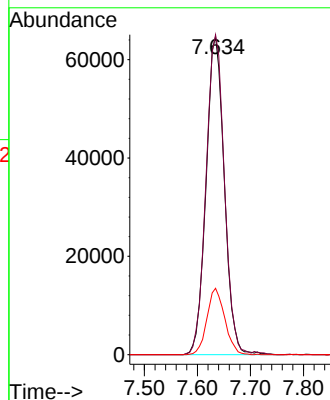
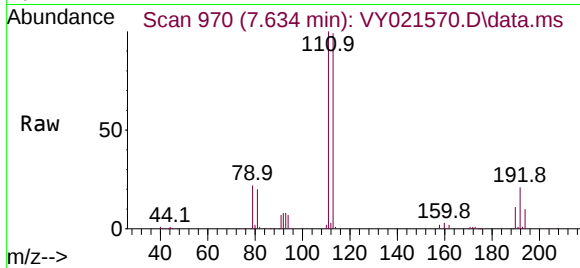




#35
Dibromofluoromethane
Concen: 49.950 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021570.D
Acq: 19 Mar 2025 14:57

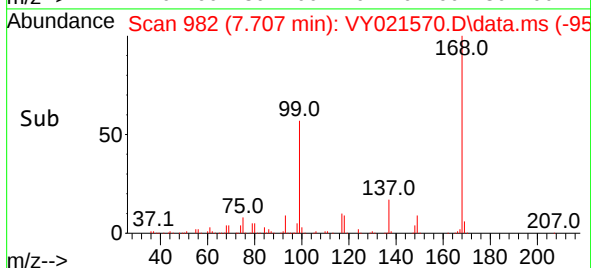
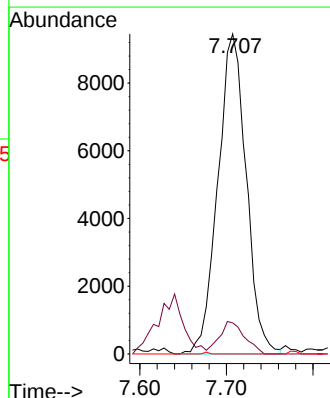
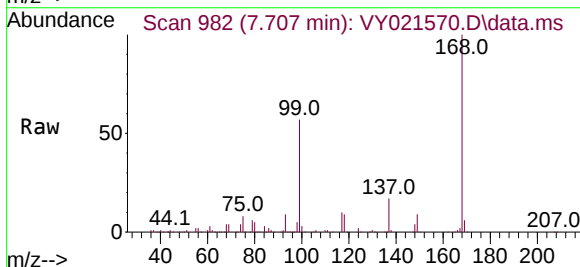
Instrument :
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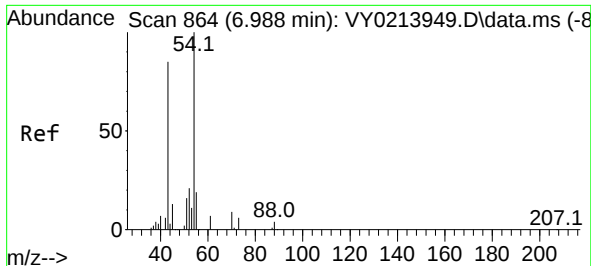
Tgt Ion:113 Resp: 154470
Ion Ratio Lower Upper
113 100
111 101.4 82.0 123.0
192 20.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.434 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021570.D
Acq: 19 Mar 2025 14:57

Tgt Ion: 75 Resp: 21466
Ion Ratio Lower Upper
75 100
110 8.9 17.3 51.7#
77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 13.164 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.091 min

Lab File: VY021570.D

Acq: 19 Mar 2025 14:57

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

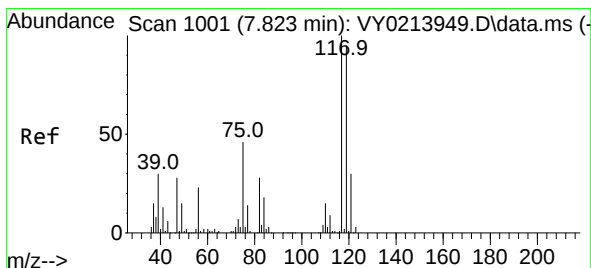
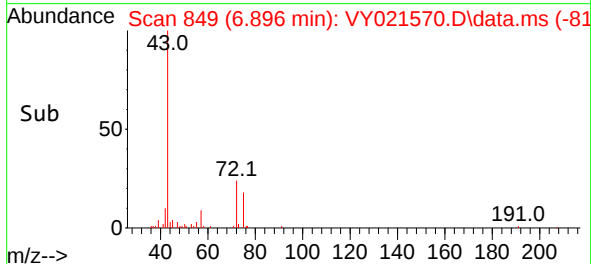
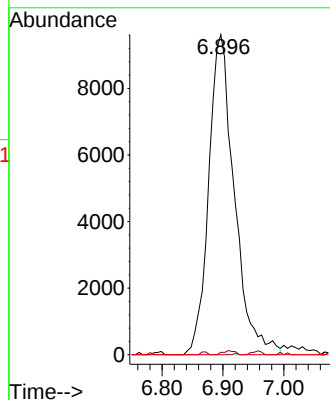
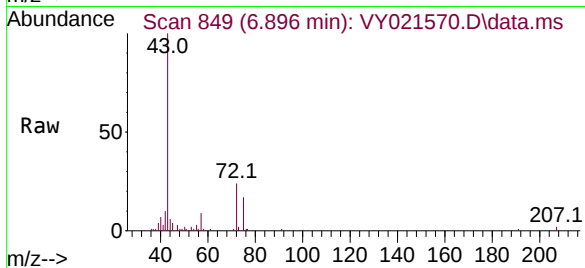
Tgt Ion: 43 Resp: 28165

Ion Ratio Lower Upper

43 100

61 0.6 11.4 17.0#

70 0.0 8.2 12.2#



#38

Carbon Tetrachloride

Concen: 4.729 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021570.D

Acq: 19 Mar 2025 14:57

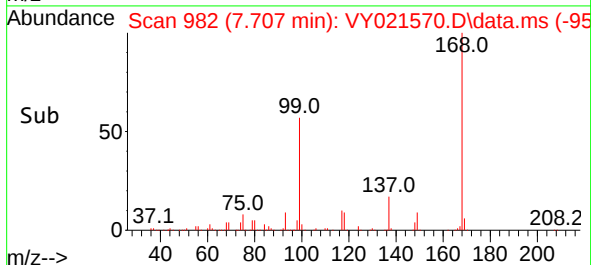
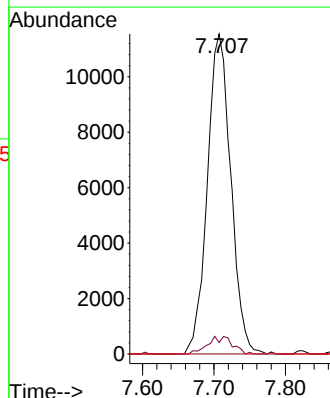
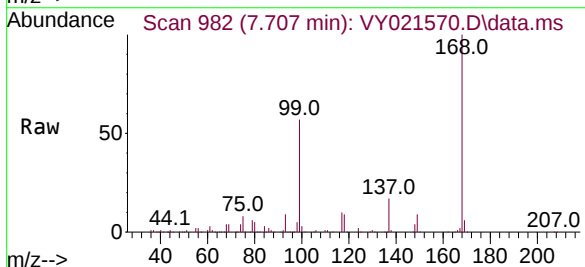
Tgt Ion: 117 Resp: 26326

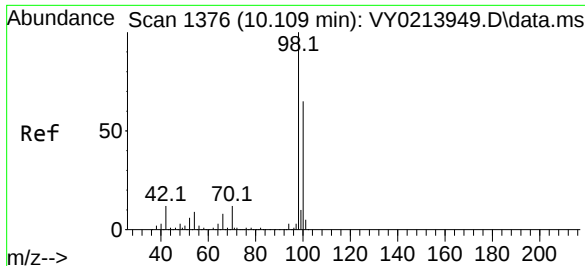
Ion Ratio Lower Upper

117 100

119 3.6 75.8 113.8#

121 0.0 23.9 35.9#

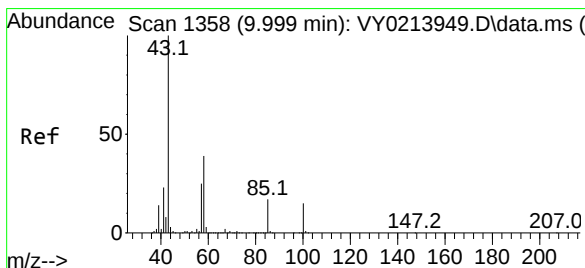
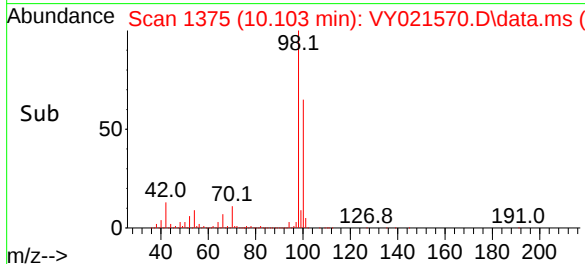
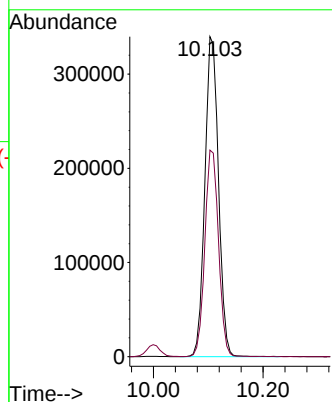
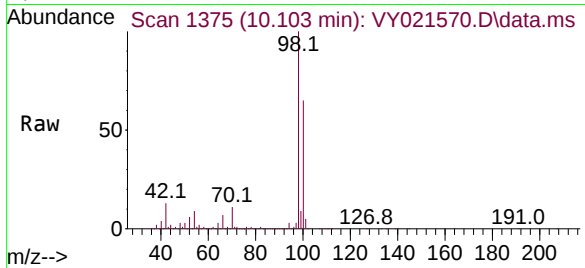




#50
Toluene-d8
Concen: 49.805 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021570.D
Acq: 19 Mar 2025 14:57

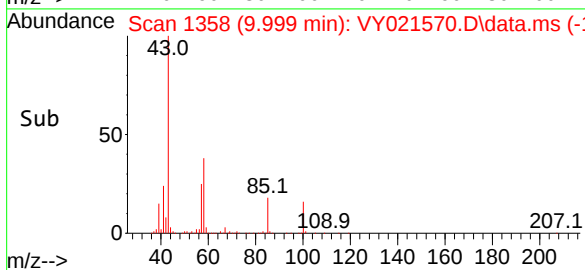
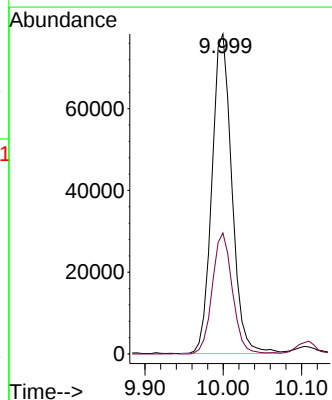
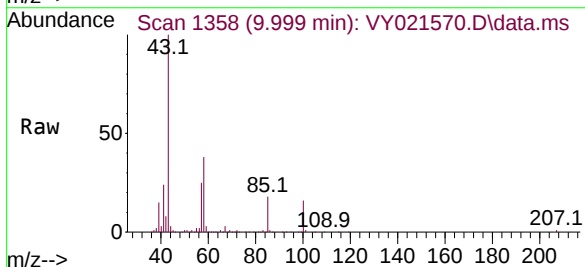
Instrument :
MSVOA_Y
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VIBLK

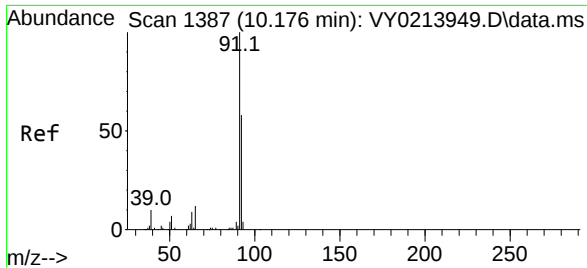
Tgt Ion: 98 Resp: 583173
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 64.652 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021570.D
Acq: 19 Mar 2025 14:57

Tgt Ion: 43 Resp: 138550
Ion Ratio Lower Upper
43 100
58 38.3 31.4 47.2

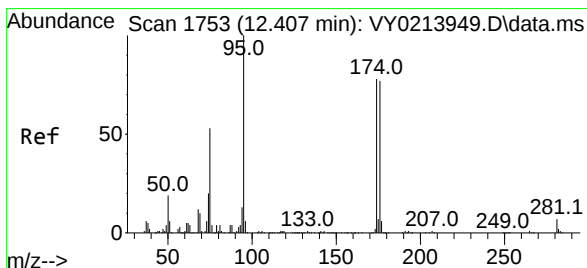
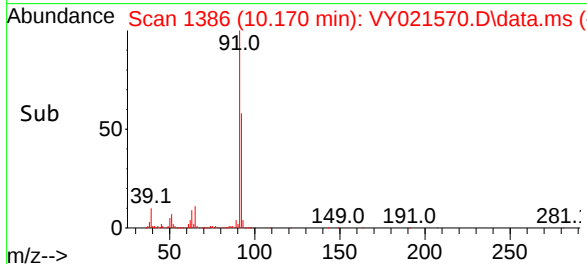
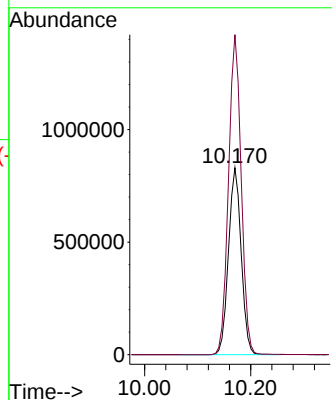
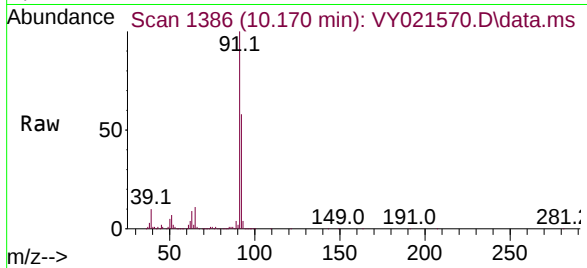




#52
Toluene
Concen: 153.425 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021570.D
Acq: 19 Mar 2025 14:57

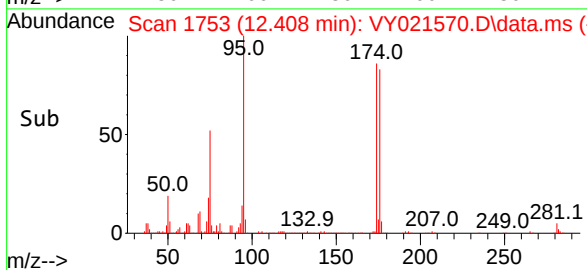
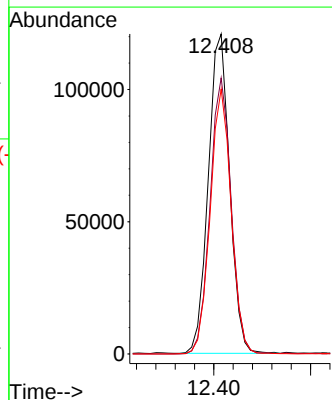
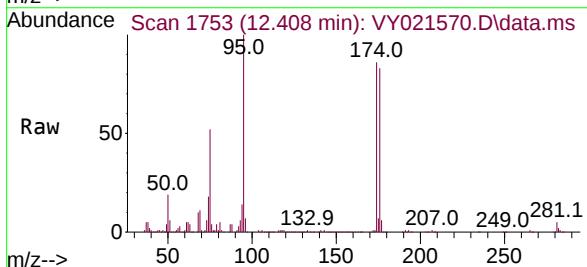
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

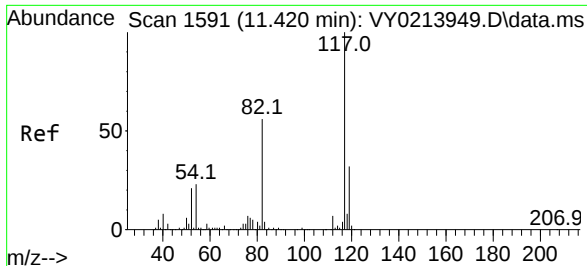
Tgt Ion: 92 Resp: 1379313
Ion Ratio Lower Upper
92 100
91 171.4 138.2 207.2



#62
4-Bromofluorobenzene
Concen: 46.547 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021570.D
Acq: 19 Mar 2025 14:57

Tgt Ion: 95 Resp: 185397
Ion Ratio Lower Upper
95 100
174 85.6 0.0 165.0
176 81.4 0.0 160.0

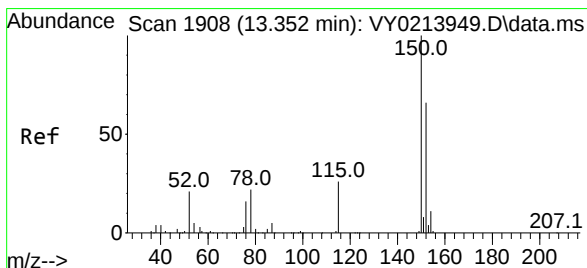
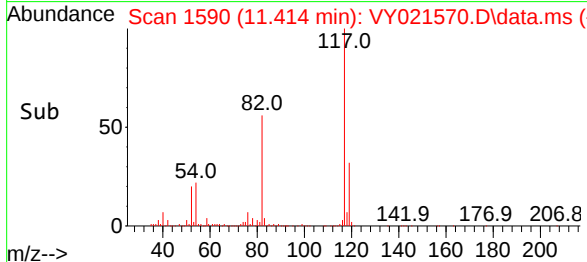
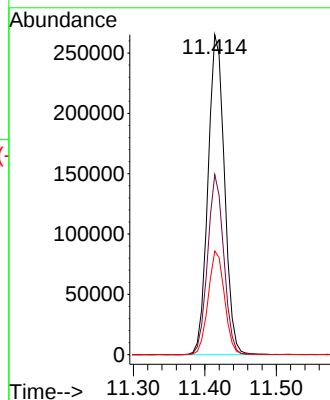
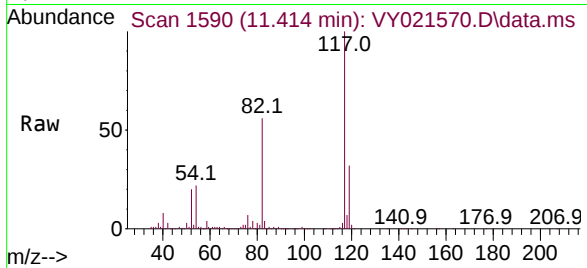




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY021570.D
Acq: 19 Mar 2025 14:57

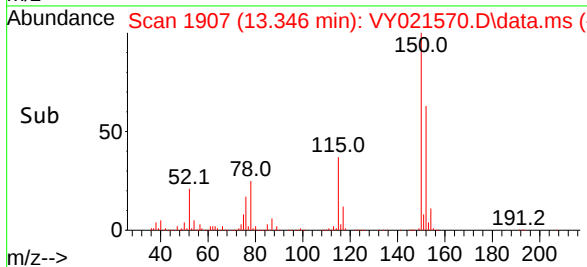
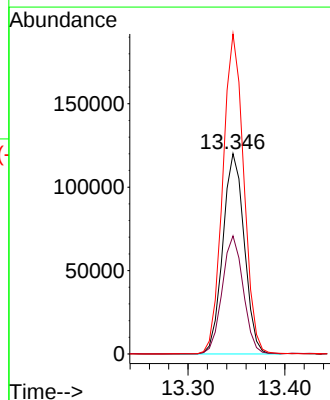
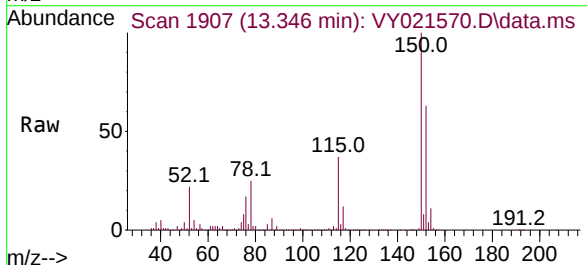
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

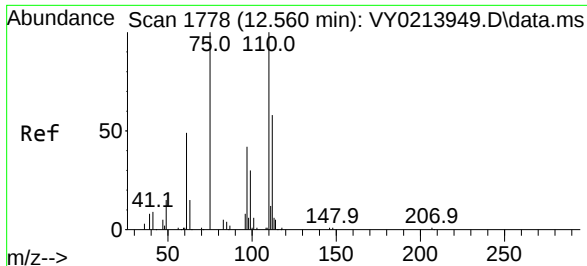
Tgt Ion:117 Resp: 424737
Ion Ratio Lower Upper
117 100
82 56.3 44.6 67.0
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021570.D
Acq: 19 Mar 2025 14:57

Tgt Ion:152 Resp: 184350
Ion Ratio Lower Upper
152 100
115 57.8 29.0 87.0
150 156.8 0.0 347.2

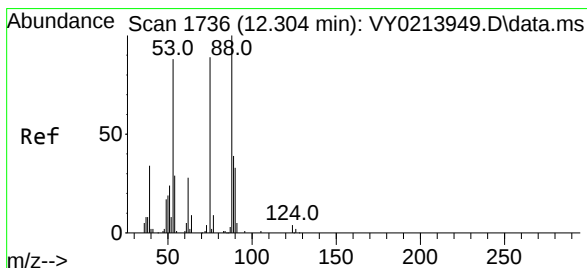
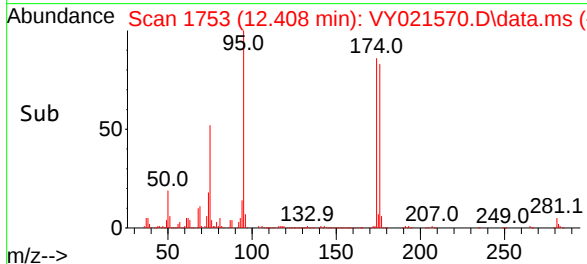
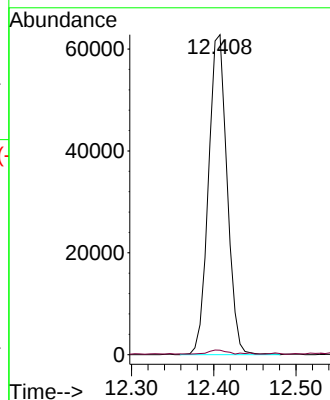
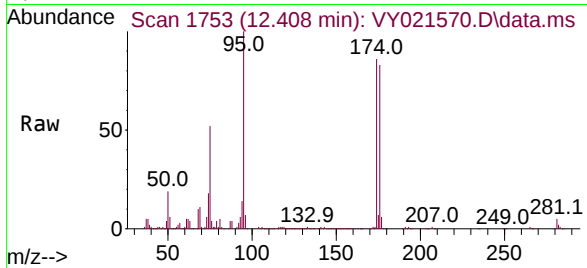




#76
 1,2,3-Trichloropropane
 Concen: 53.121 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021570.D
 Acq: 19 Mar 2025 14:57

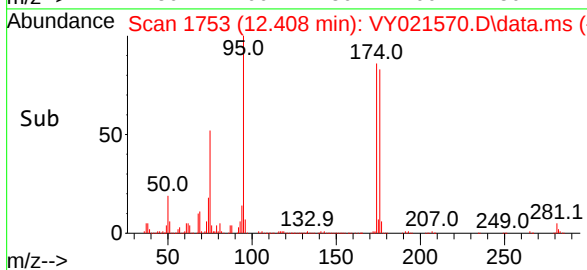
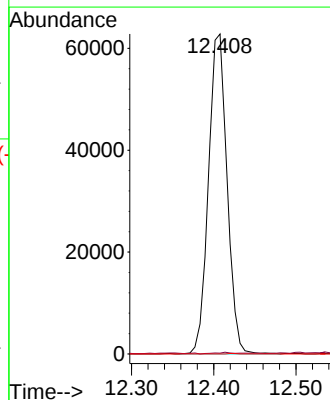
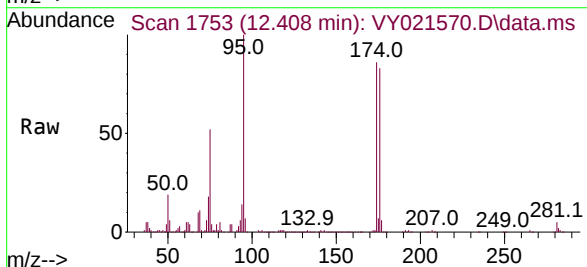
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

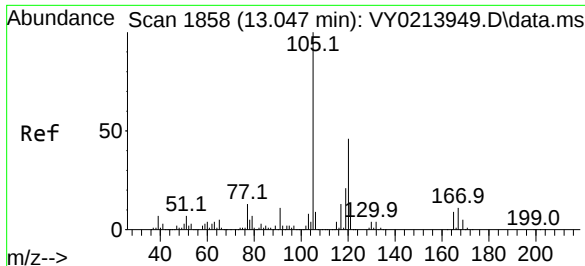
Tgt Ion: 75 Resp: 98681
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.761 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021570.D
 Acq: 19 Mar 2025 14:57

Tgt Ion: 75 Resp: 98681
 Ion Ratio Lower Upper
 75 100
 53 0.5 81.0 121.4#
 89 0.1 36.9 55.3#

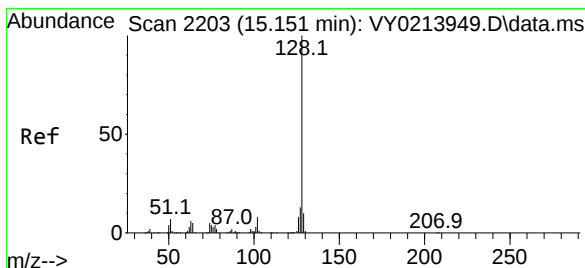
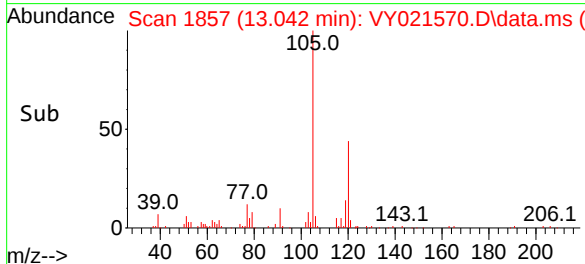
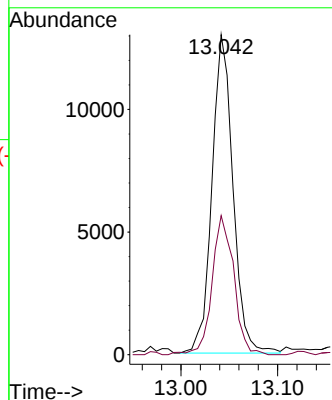
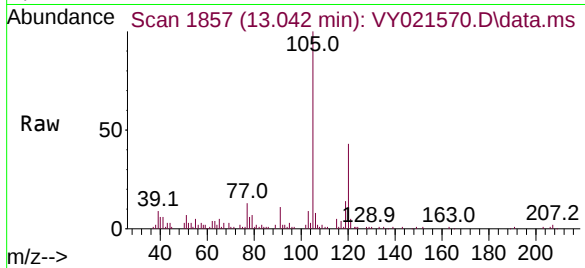




#84
 1,2,4-Trimethylbenzene
 Concen: 1.670 ug/l
 RT: 13.042 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY021570.D
 Acq: 19 Mar 2025 14:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:105 Resp: 19568
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.7 68.1



#95
 Naphthalene
 Concen: 23.720 ug/l
 RT: 15.145 min Scan# 2202
 Delta R.T. -0.006 min
 Lab File: VY021570.D
 Acq: 19 Mar 2025 14:57

Tgt Ion:128 Resp: 116423
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.6 15.8
 129 11.2 8.6 13.0

