

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021803.D
 Acq On : 07 Apr 2025 17:06
 Operator : SY/MD
 Sample : Q1738-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-040425

Quant Time: Apr 08 03:35:53 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)

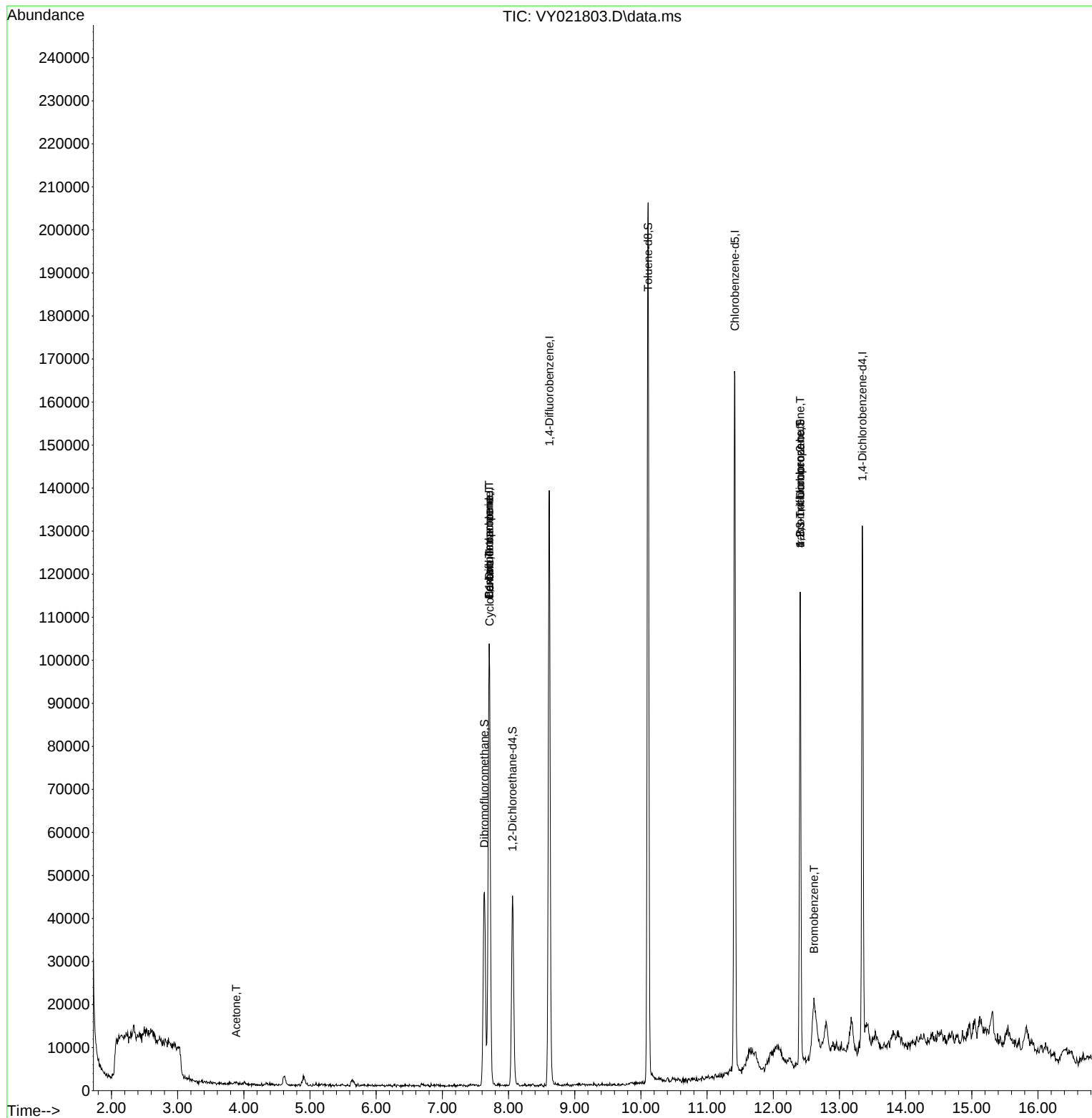
Internal Standards						
1) Pentafluorobenzene	7.707	168	76356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	113098	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	88388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	29892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	35541	42.961	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.920%
35) Dibromofluoromethane	7.634	113	32460	44.245	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.480%
50) Toluene-d8	10.109	98	132280	47.395	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.780%
62) 4-Bromofluorobenzene	12.408	95	33178	35.144	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	70.280%
Target Compounds						
16) Acetone	3.885	43	922	5.445	ug/l #	44
20) Methylene Chloride	4.604	84	1288	Below Cal	#	92
31) Cyclohexane	7.713	56	2018	1.382	ug/l #	39
36) 1,1-Dichloropropene	7.707	75	6240	5.584	ug/l #	50
38) Carbon Tetrachloride	7.707	117	7876	6.154	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	17612	59.438	ug/l #	100
77) Bromobenzene	12.615	156	12340	23.149	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.408	75	17612	136.956	ug/l #	12

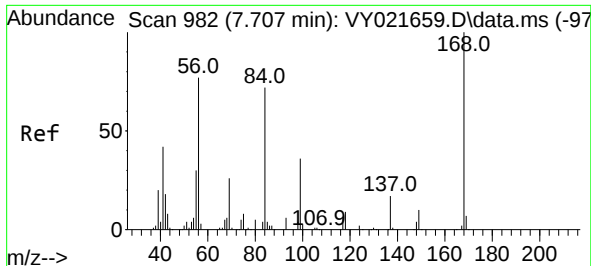
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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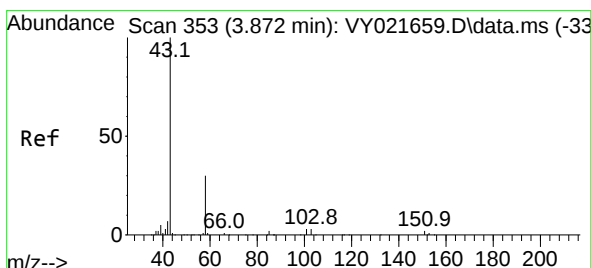
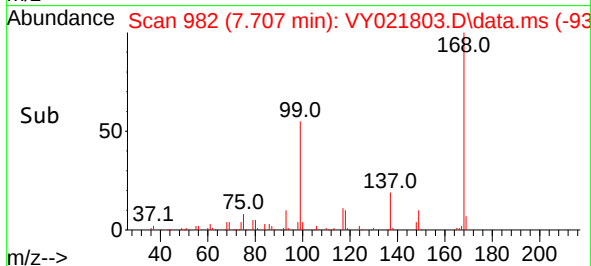
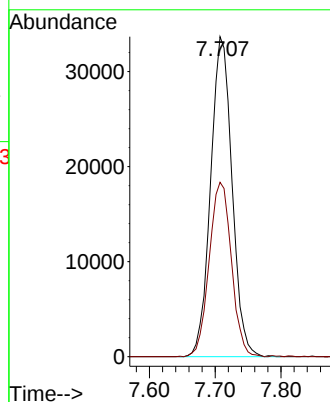
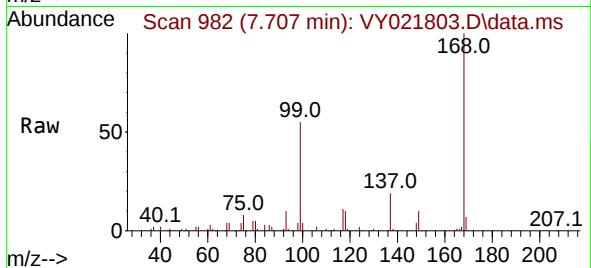




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021803.D
Acq: 07 Apr 2025 17:06

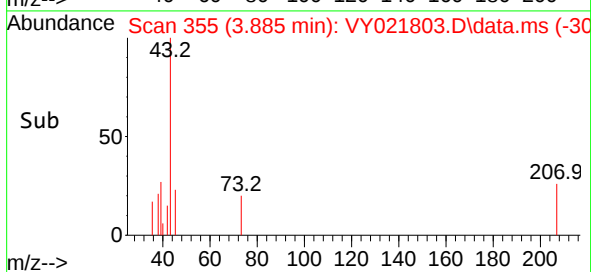
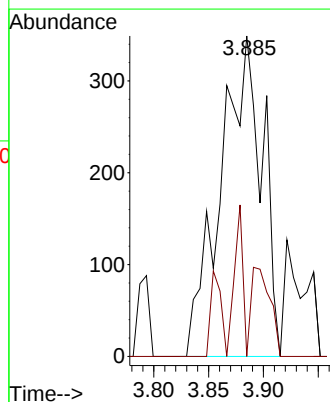
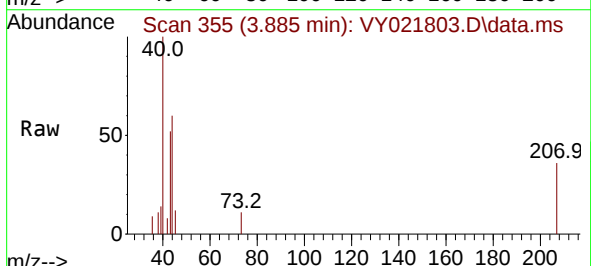
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-040425

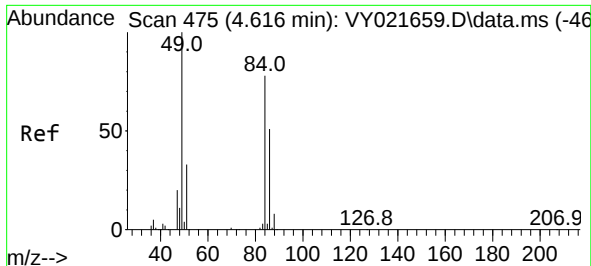
Tgt Ion:168 Resp: 76356
Ion Ratio Lower Upper
168 100
99 54.4 46.7 70.1



#16
Acetone
Concen: 5.445 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY021803.D
Acq: 07 Apr 2025 17:06

Tgt Ion: 43 Resp: 922
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#

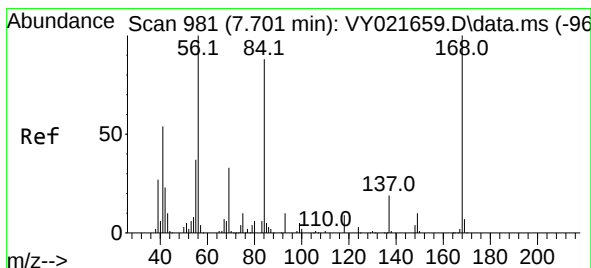
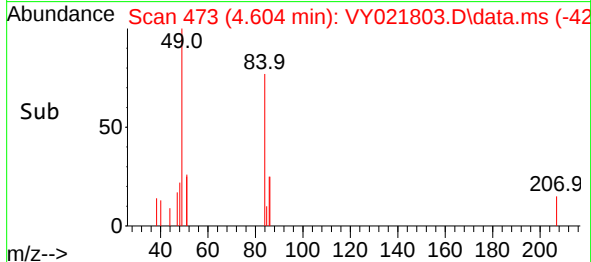
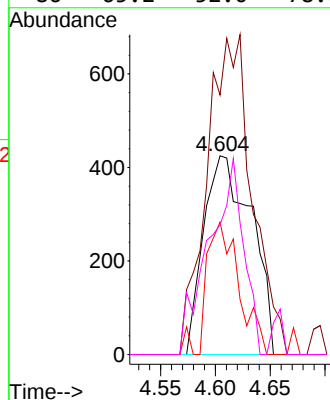
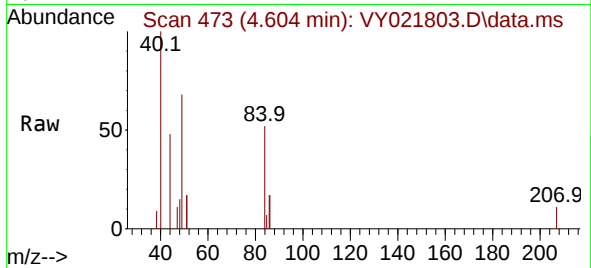




#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY021803.D
Acq: 07 Apr 2025 17:06

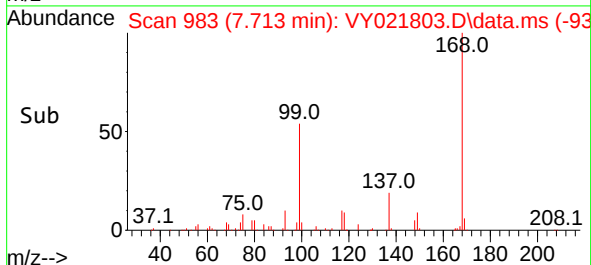
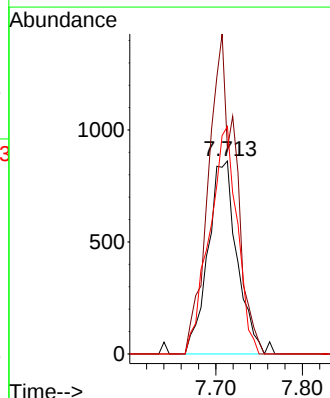
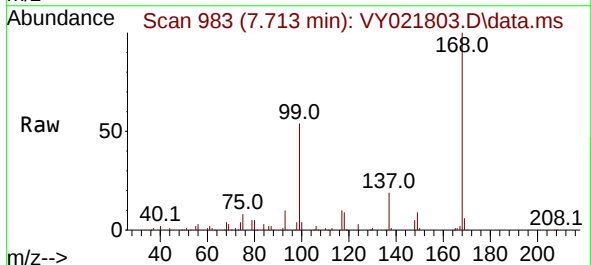
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-040425

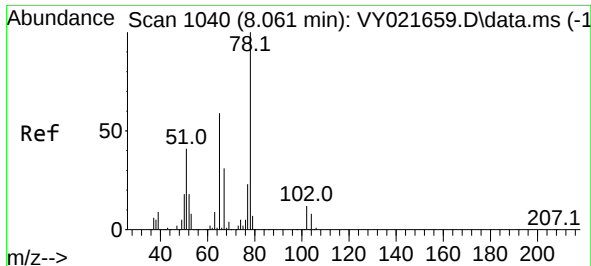
Tgt Ion:	84	Resp:	1288
Ion	Ratio	Lower	Upper
84	100		
49	130.6	102.8	154.2
51	66.6	33.5	50.3#
86	65.2	52.0	78.0



#31
Cyclohexane
Concen: 1.382 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021803.D
Acq: 07 Apr 2025 17:06

Tgt Ion:	56	Resp:	2018
Ion	Ratio	Lower	Upper
56	100		
69	106.3	26.6	40.0#
84	117.7	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 42.961 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021803.D

Acq: 07 Apr 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

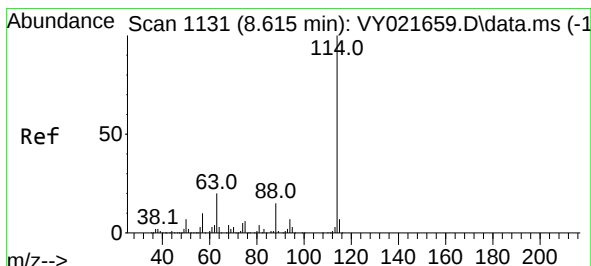
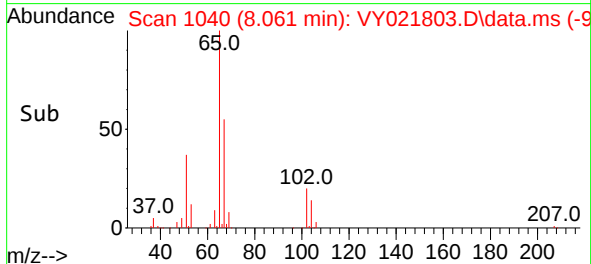
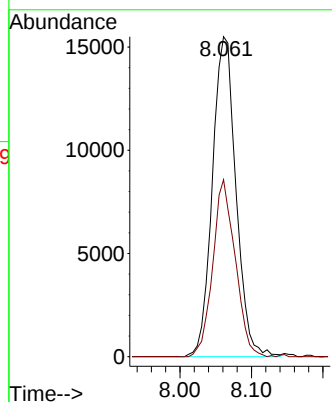
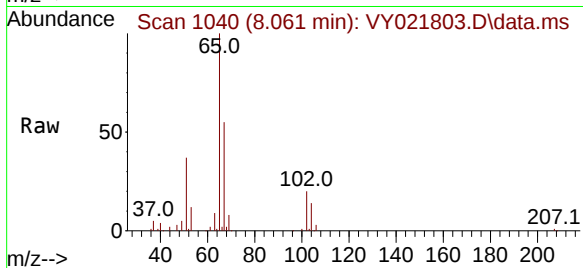
OK-02-040425

Tgt Ion: 65 Resp: 35541

Ion Ratio Lower Upper

65 100

67 52.5 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: VY021803.D

Acq: 07 Apr 2025 17:06

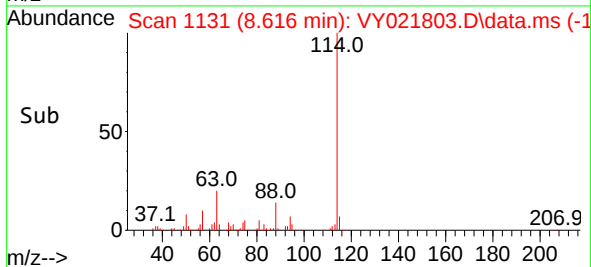
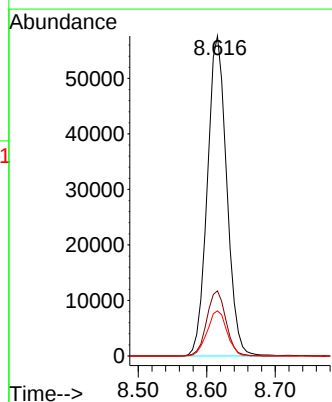
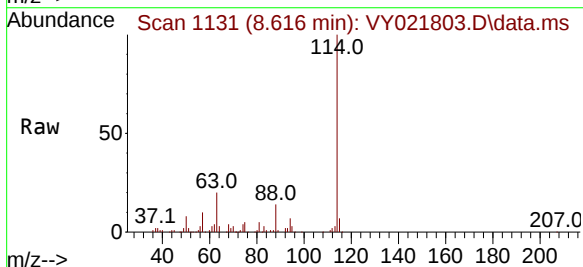
Tgt Ion: 114 Resp: 113098

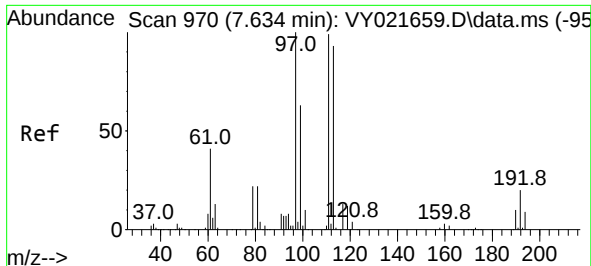
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 14.1 0.0 29.8

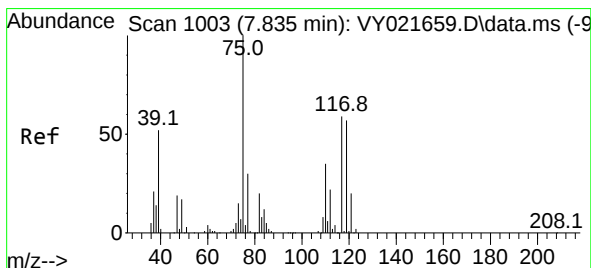
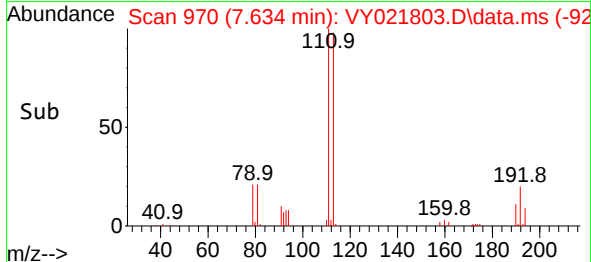
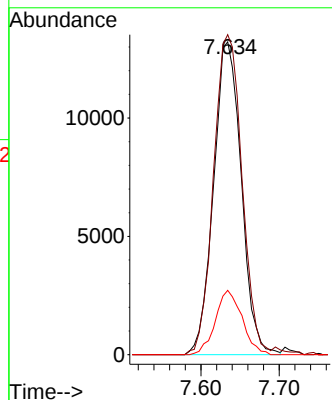
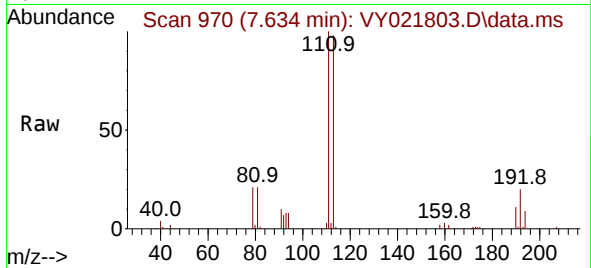




#35
Dibromofluoromethane
Concen: 44.245 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021803.D
Acq: 07 Apr 2025 17:06

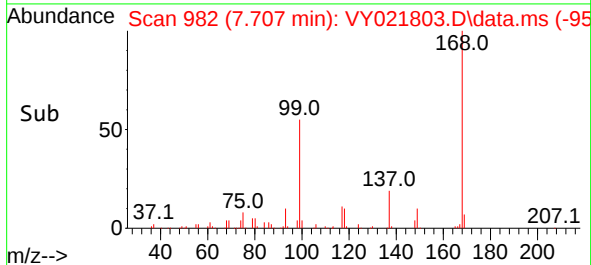
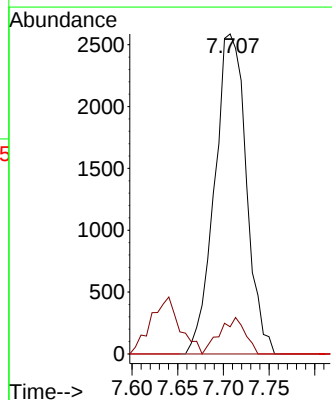
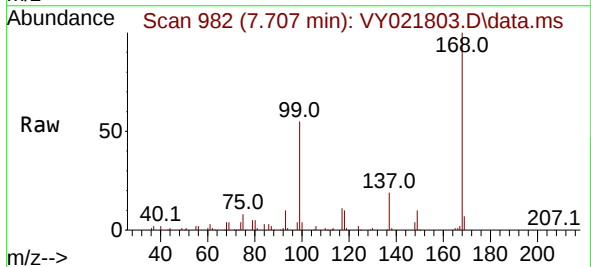
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-040425

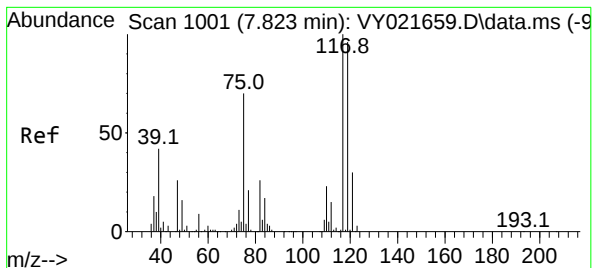
Tgt Ion:113 Resp: 32460
Ion Ratio Lower Upper
113 100
111 104.6 82.6 123.8
192 19.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 5.584 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021803.D
Acq: 07 Apr 2025 17:06

Tgt Ion: 75 Resp: 6240
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.154 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021803.D

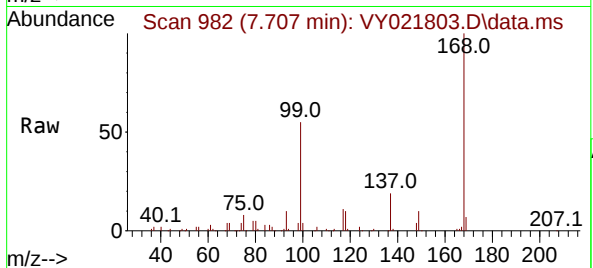
Acq: 07 Apr 2025 17:06

Instrument :

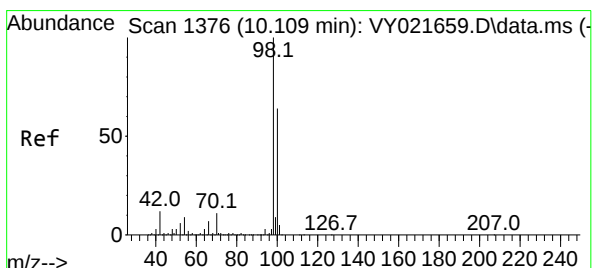
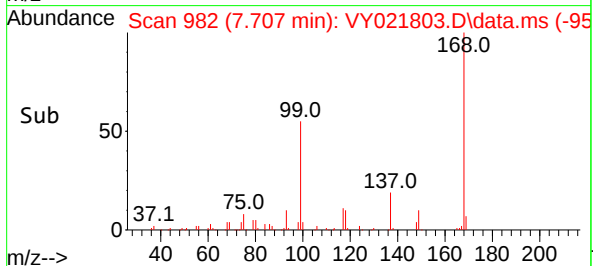
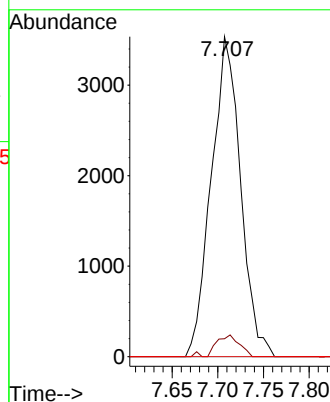
MSVOA_Y

ClientSampleId :

OK-02-040425



Tgt Ion:	117	Resp:	7876
Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.2	114.4#
121	0.0	24.2	36.4#



#50

Toluene-d8

Concen: 47.395 ug/l

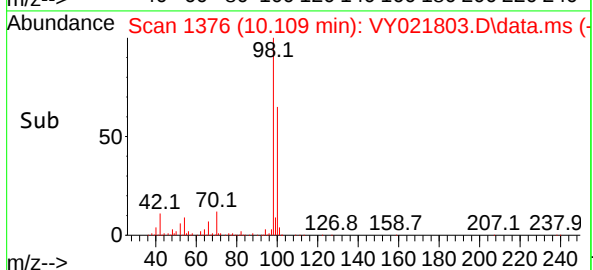
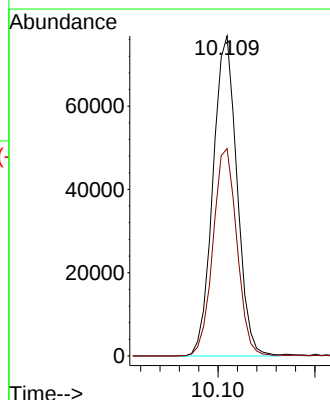
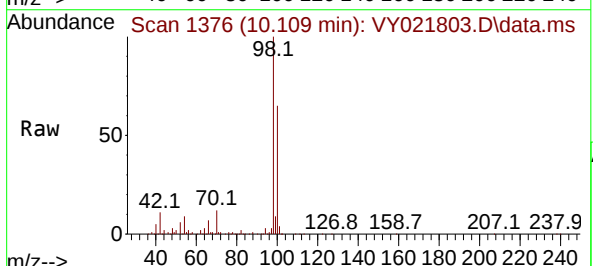
RT: 10.109 min Scan# 1376

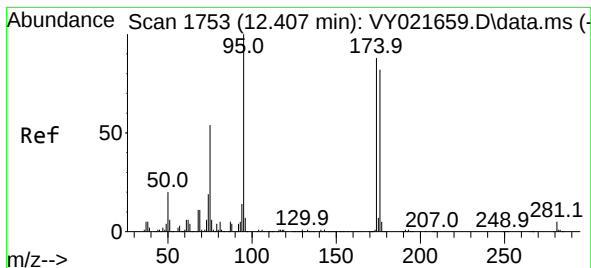
Delta R.T. 0.000 min

Lab File: VY021803.D

Acq: 07 Apr 2025 17:06

Tgt Ion:	98	Resp:	132280
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1

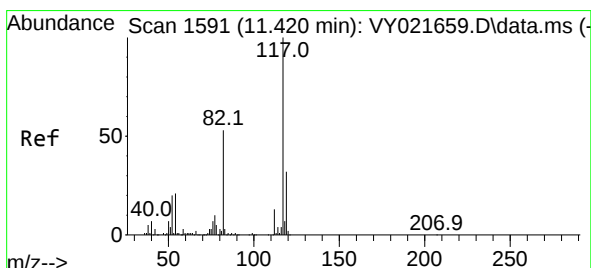
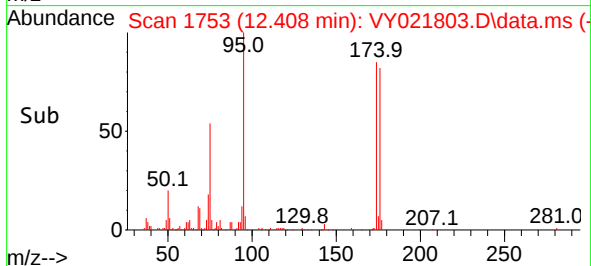
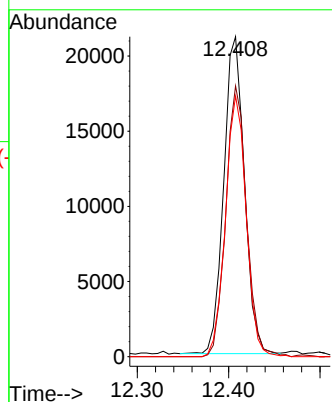
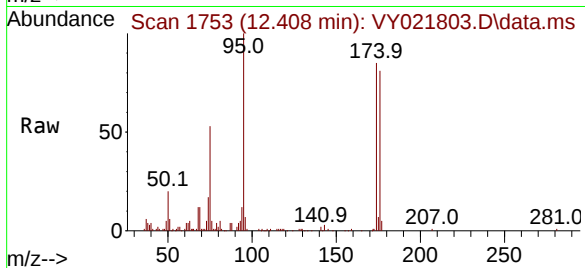




#62
4-Bromofluorobenzene
Concen: 35.144 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021803.D
Acq: 07 Apr 2025 17:06

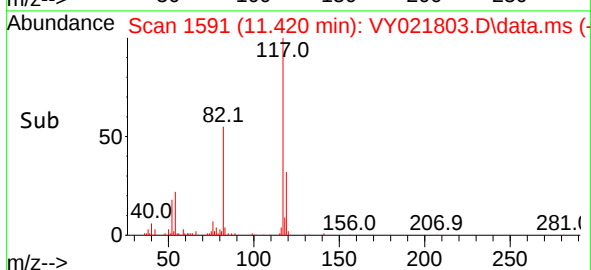
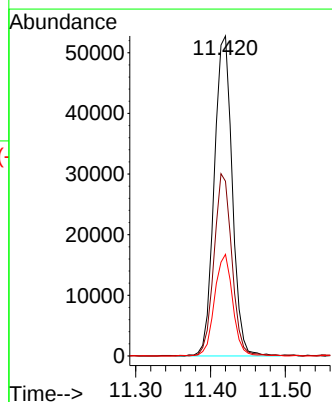
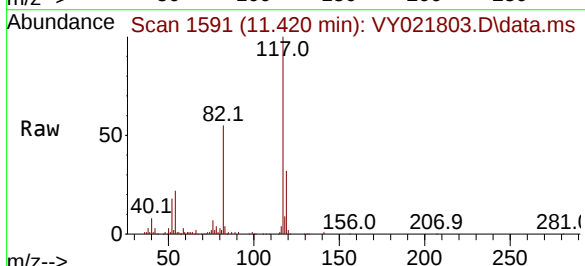
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OK-02-040425

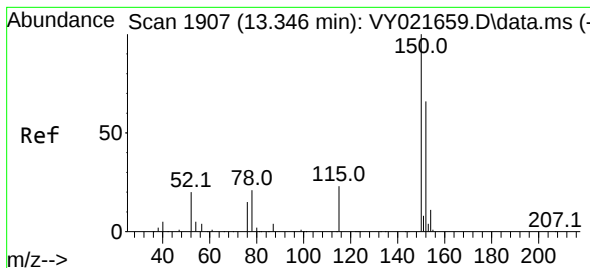
Tgt Ion: 95 Resp: 33178
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.8
176 82.5 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021803.D
Acq: 07 Apr 2025 17:06

Tgt Ion: 117 Resp: 88388
Ion Ratio Lower Upper
117 100
82 54.5 42.8 64.2
119 31.6 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: VY021803.D

Acq: 07 Apr 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-040425

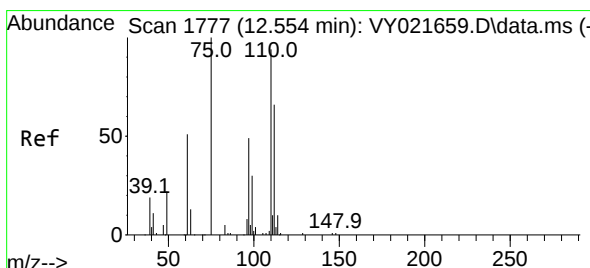
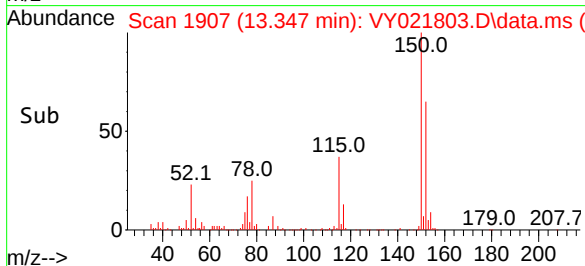
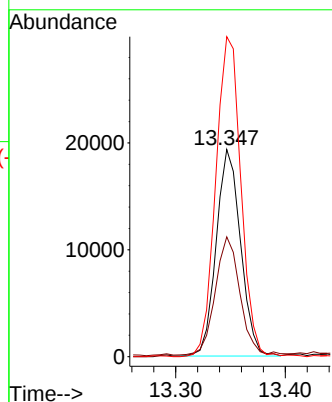
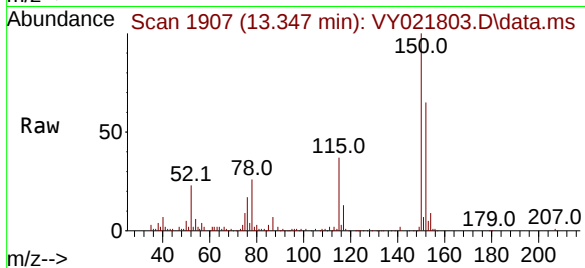
Tgt Ion:152 Resp: 29892

Ion Ratio Lower Upper

152 100

115 57.4 28.8 86.5

150 160.1 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 59.438 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021803.D

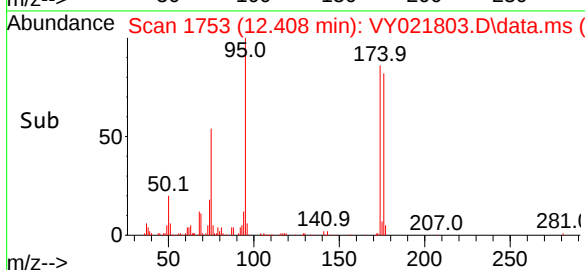
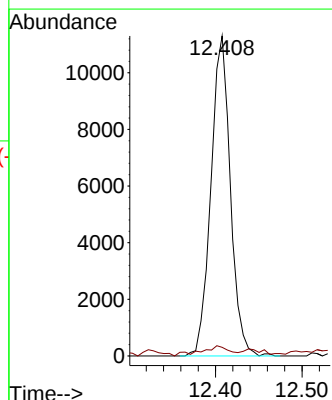
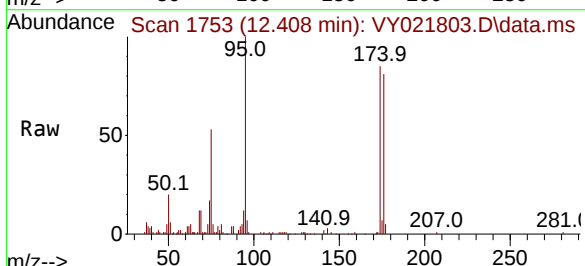
Acq: 07 Apr 2025 17:06

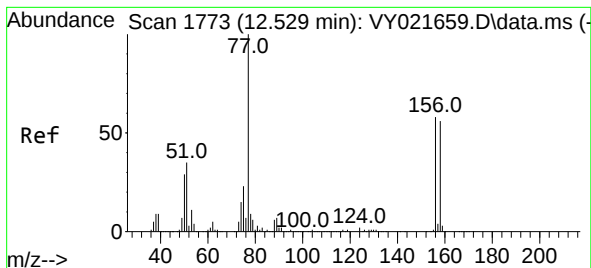
Tgt Ion: 75 Resp: 17612

Ion Ratio Lower Upper

75 100

77 2.9 0.0 0.0#





#77

Bromobenzene

Concen: 23.149 ug/l

RT: 12.615 min Scan# 1773

Delta R.T. 0.086 min

Lab File: VY021803.D

Acq: 07 Apr 2025 17:06

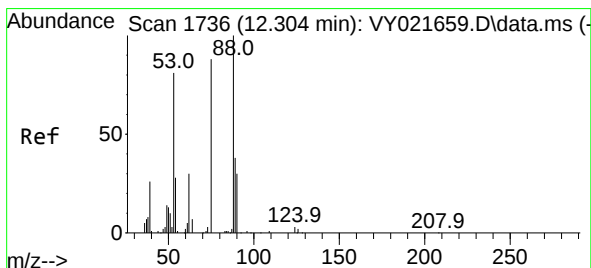
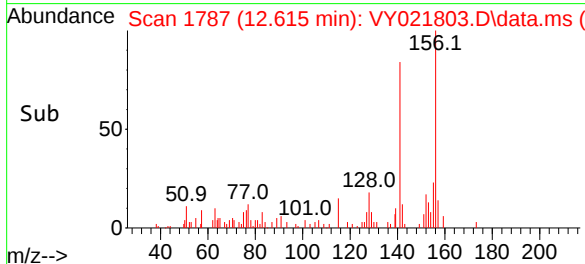
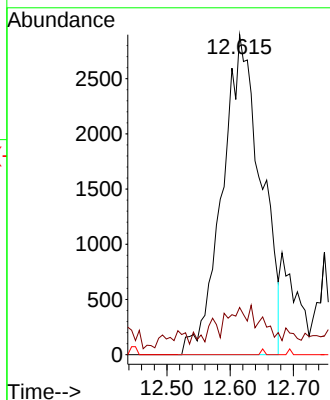
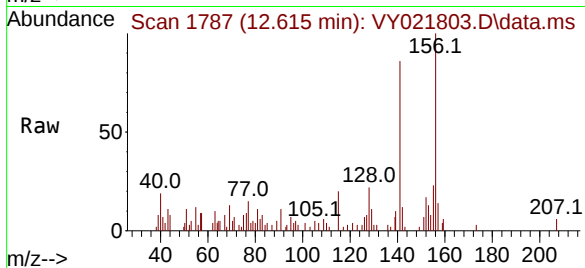
Instrument :

MSVOA_Y

ClientSampleId :

OK-02-040425

Tgt Ion:	156	Resp:	12340
Ion Ratio	Lower	Upper	
156	100		
77	4.2	92.8	278.3#
158	0.0	48.5	145.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 136.956 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021803.D

Acq: 07 Apr 2025 17:06

Tgt Ion:	75	Resp:	17612
Ion Ratio	Lower	Upper	
75	100		
53	0.8	76.1	114.1#
89	0.0	36.2	54.4#

