

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021889.D
 Acq On : 15 Apr 2025 12:29
 Operator : SY/MD
 Sample : Q1806-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-041425

Quant Time: Apr 16 03:01:20 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)

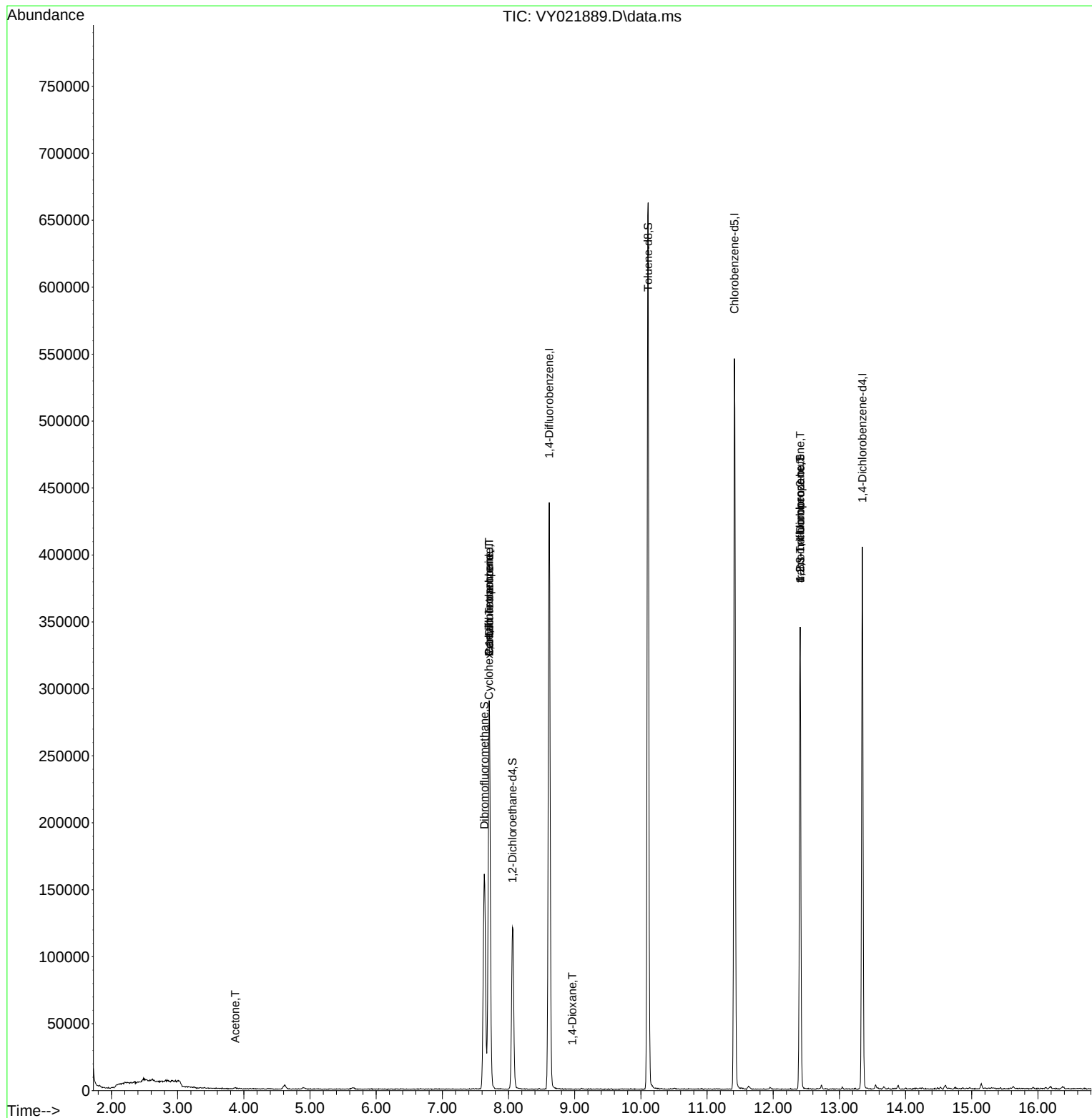
Internal Standards						
1) Pentafluorobenzene	7.707	168	219864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	364336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	281852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	100015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	97771	41.043	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.080%
35) Dibromofluoromethane	7.634	113	115543	48.889	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.780%
50) Toluene-d8	10.109	98	426792	47.469	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.940%
62) 4-Bromofluorobenzene	12.408	95	105640	34.736	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.480%
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	1379	2.829	ug/l #	86
20) Methylene Chloride	4.622	84	2098	Below Cal	#	61
31) Cyclohexane	7.701	56	5009	1.191	ug/l #	25
36) 1,1-Dichloropropene	7.707	75	17408	4.836	ug/l #	51
38) Carbon Tetrachloride	7.707	117	22134	5.368	ug/l #	16
49) 1,4-Dioxane	8.963	88	19	1.206	ug/l #	21
76) 1,2,3-Trichloropropane	12.408	75	55179	55.657	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	55179	128.244	ug/l #	12

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

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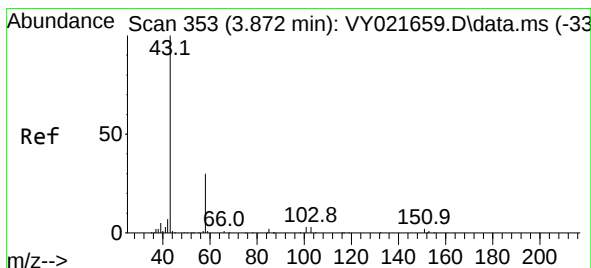
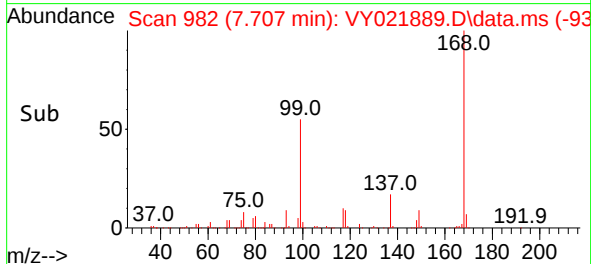
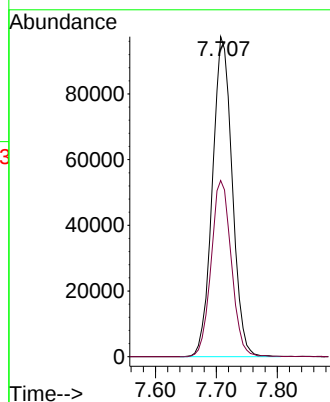
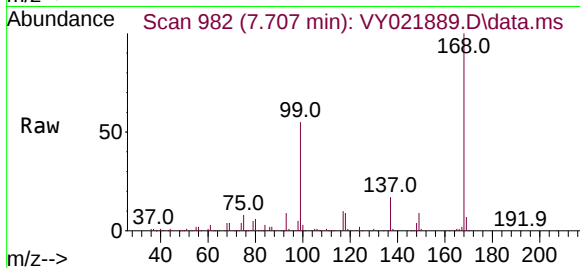




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021889.D
Acq: 15 Apr 2025 12:29

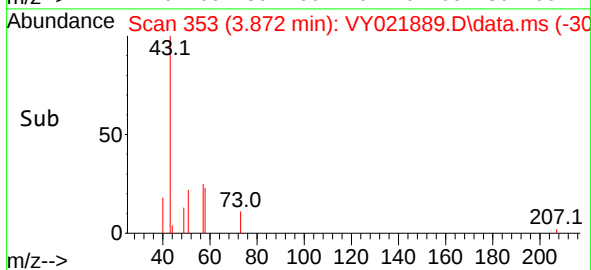
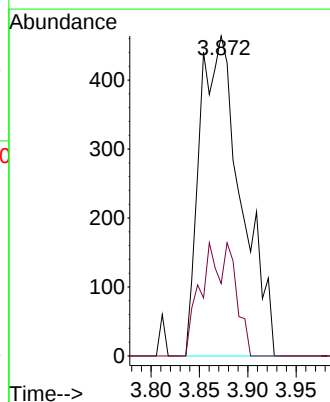
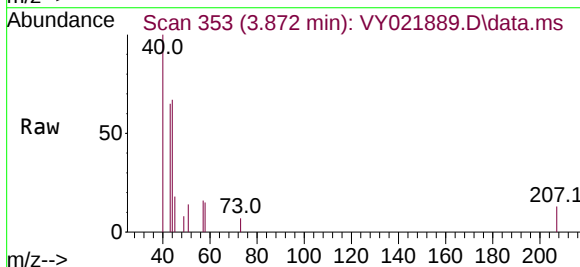
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-041425

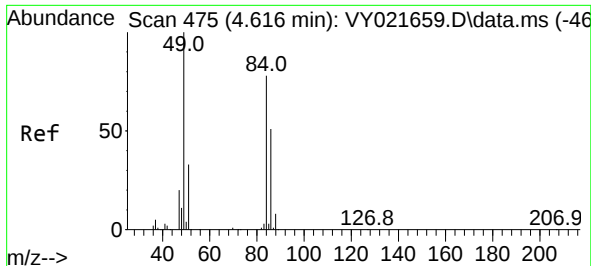
Tgt Ion:168 Resp: 219864
Ion Ratio Lower Upper
168 100
99 55.1 46.7 70.1



#16
Acetone
Concen: 2.829 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021889.D
Acq: 15 Apr 2025 12:29

Tgt Ion: 43 Resp: 1379
Ion Ratio Lower Upper
43 100
58 22.6 24.2 36.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.622 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY021889.D

Acq: 15 Apr 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-041425

Tgt Ion: 84 Resp: 2098

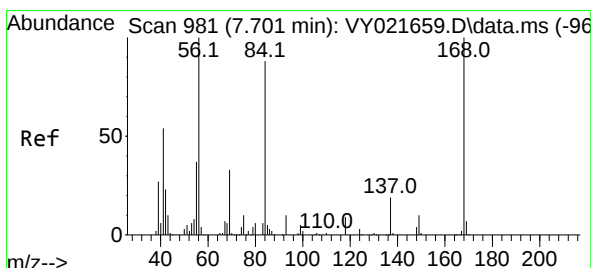
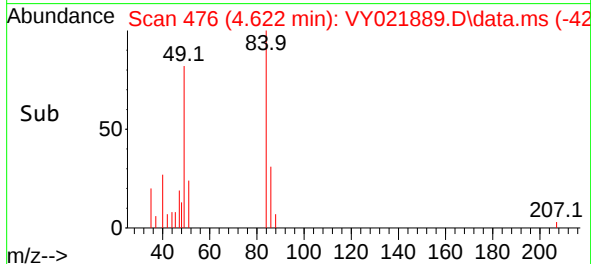
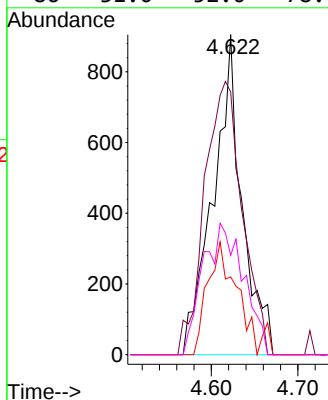
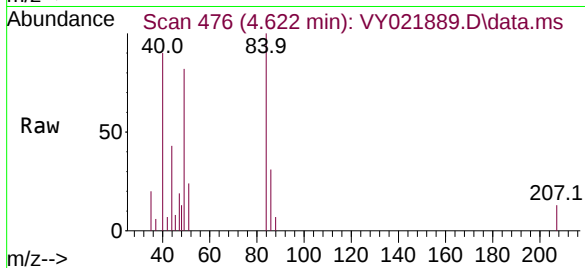
Ion Ratio Lower Upper

84 100

49 82.1 102.8 154.2#

51 24.3 33.5 50.3#

86 31.0 52.0 78.0#



#31

Cyclohexane

Concen: 1.191 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021889.D

Acq: 15 Apr 2025 12:29

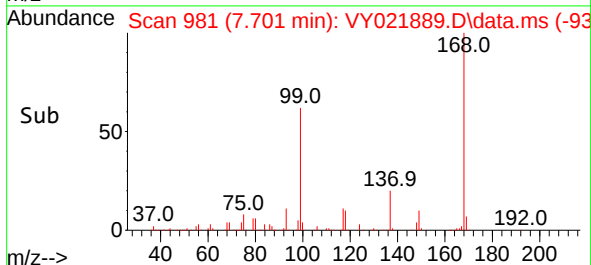
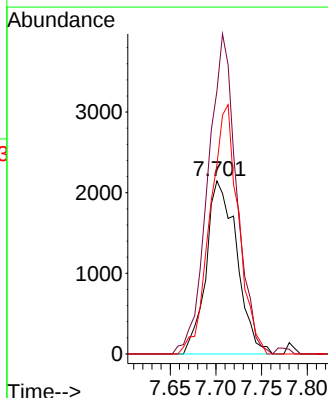
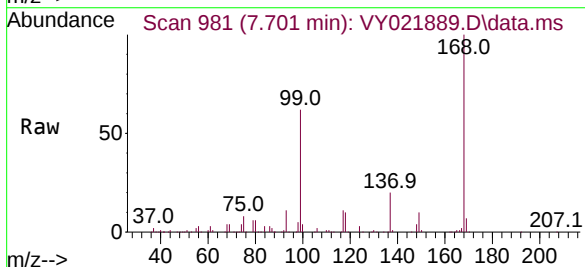
Tgt Ion: 56 Resp: 5009

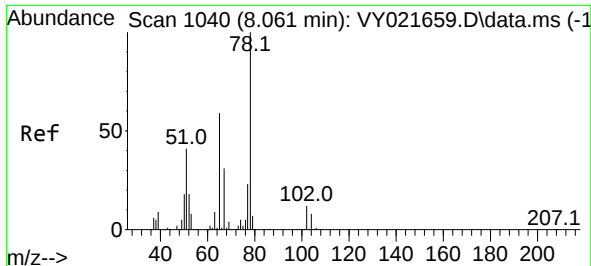
Ion Ratio Lower Upper

56 100

69 148.6 26.6 40.0#

84 109.3 69.0 103.4#

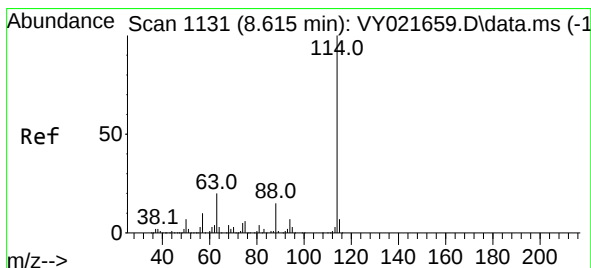
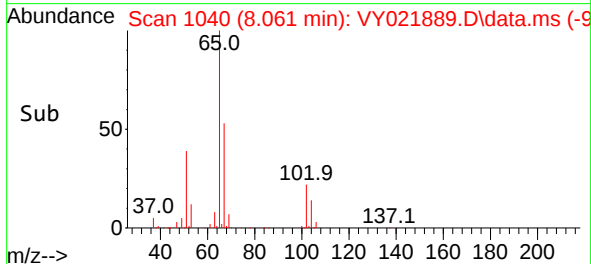
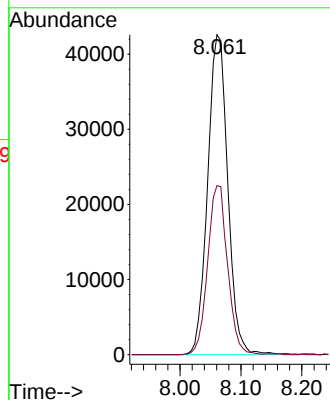
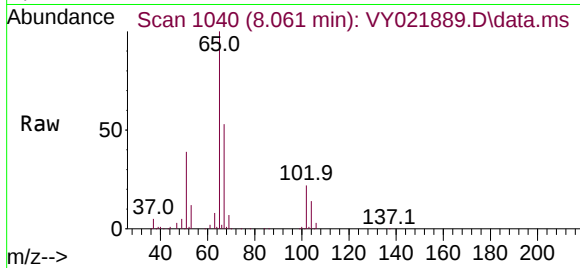




#33
1,2-Dichloroethane-d4
Concen: 41.043 ug/l
RT: 8.061 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VY021889.D
Acq: 15 Apr 2025 12:29

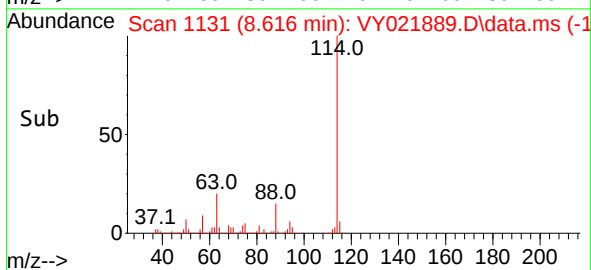
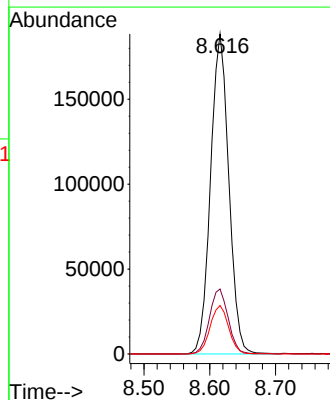
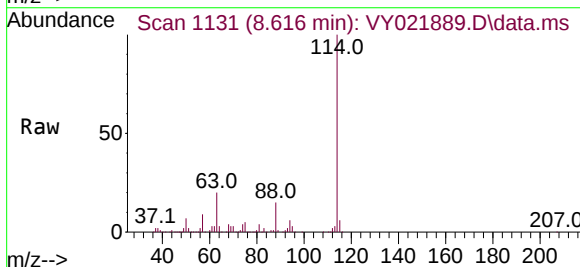
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-041425

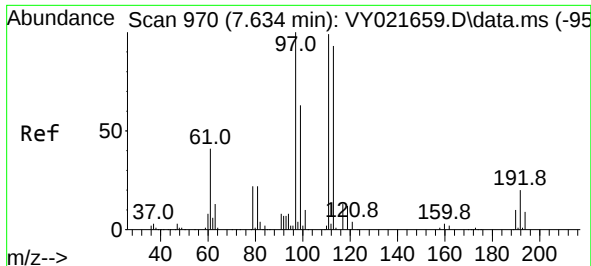
Tgt Ion: 65 Resp: 97771
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021889.D
Acq: 15 Apr 2025 12:29

Tgt Ion:114 Resp: 364336
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.2
88 15.2 0.0 29.8

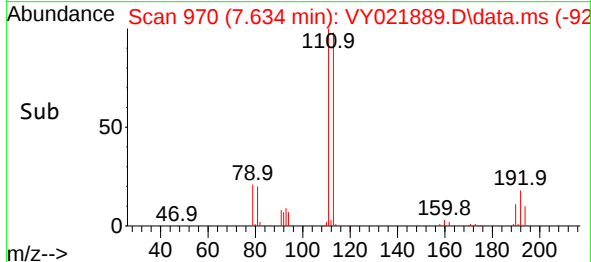
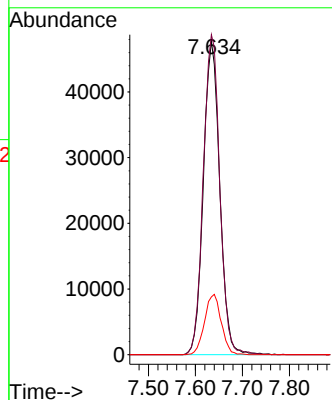
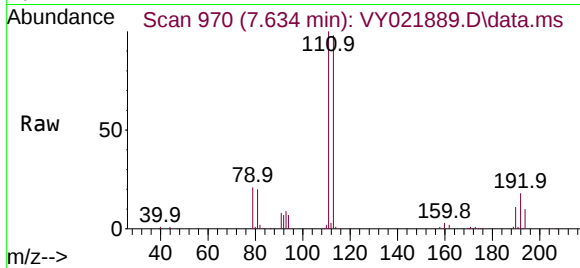




#35
Dibromofluoromethane
Concen: 48.889 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY021889.D
Acq: 15 Apr 2025 12:29

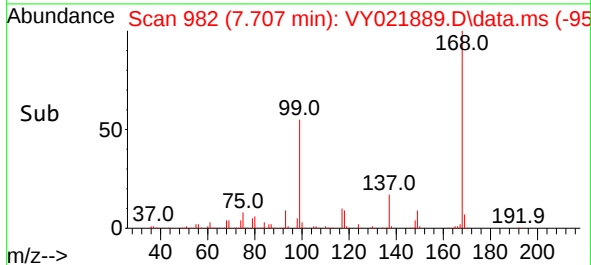
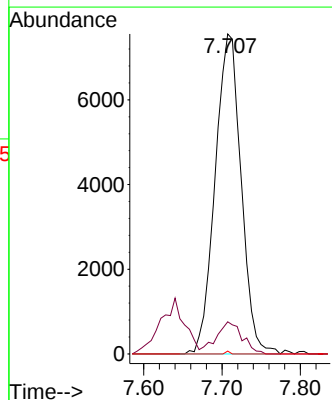
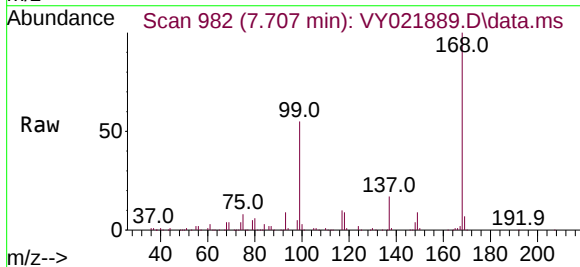
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-041425

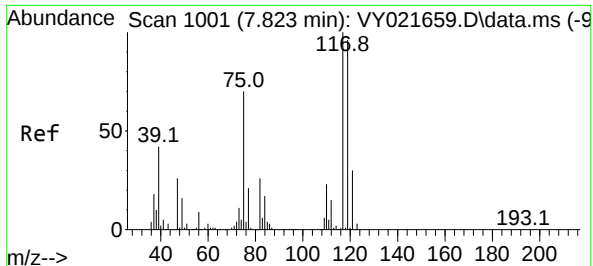
Tgt Ion:113 Resp: 115543
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 19.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.836 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021889.D
Acq: 15 Apr 2025 12:29

Tgt Ion: 75 Resp: 17408
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.1 24.8 37.2#

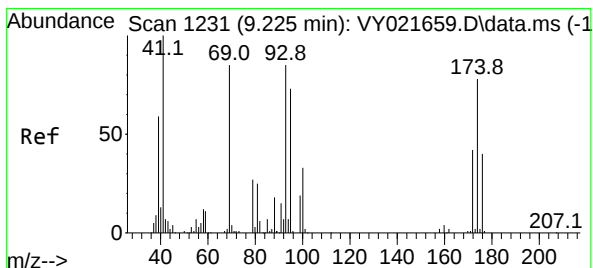
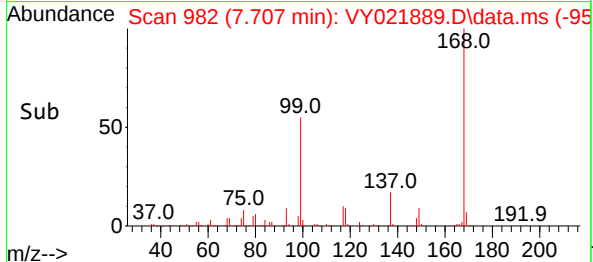
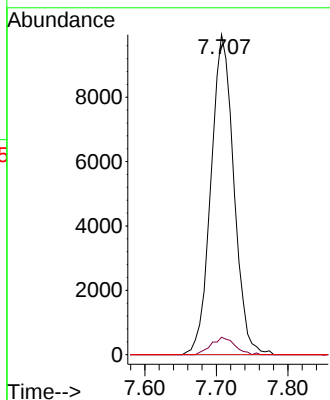
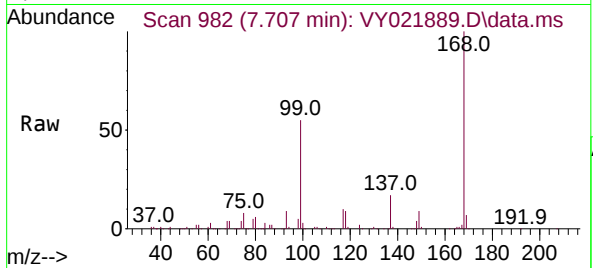




#38
Carbon Tetrachloride
Concen: 5.368 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021889.D
Acq: 15 Apr 2025 12:29

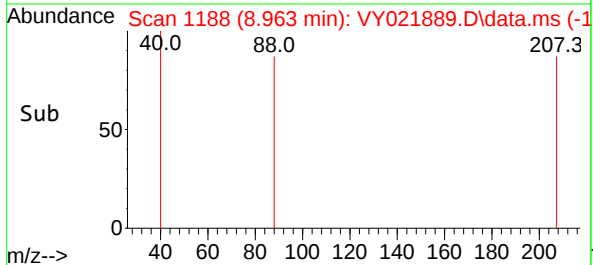
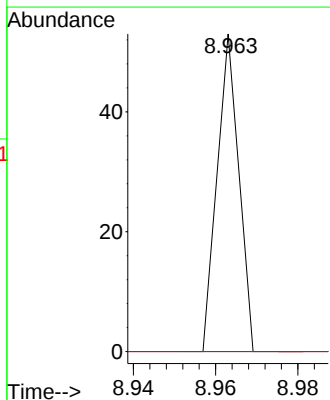
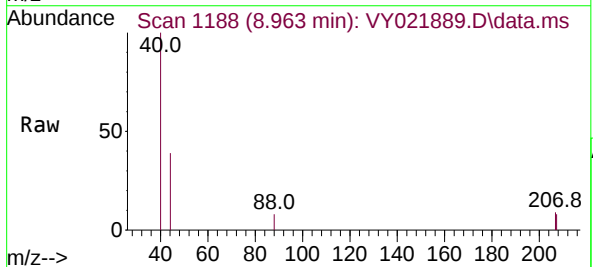
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-041425

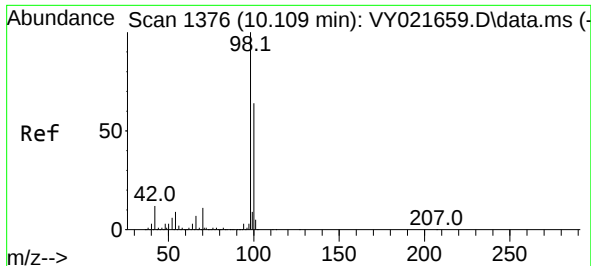
Tgt Ion:117 Resp: 22134
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 1.206 ug/l
RT: 8.963 min Scan# 1188
Delta R.T. -0.262 min
Lab File: VY021889.D
Acq: 15 Apr 2025 12:29

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 59.4 89.2#

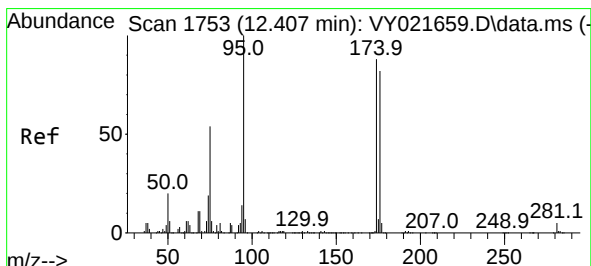
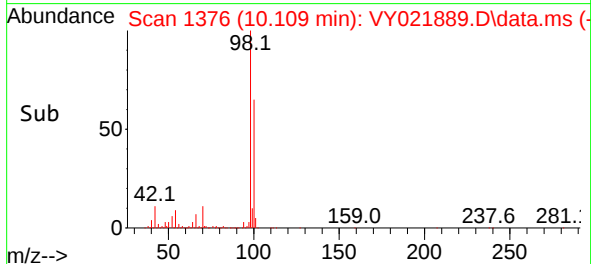
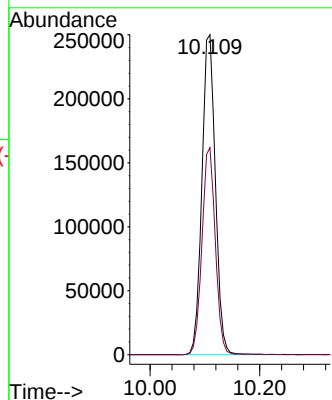
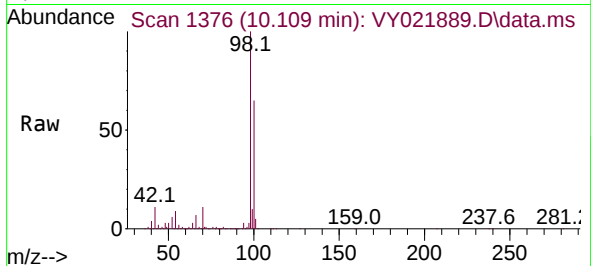




#50
Toluene-d8
Concen: 47.469 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021889.D
Acq: 15 Apr 2025 12:29

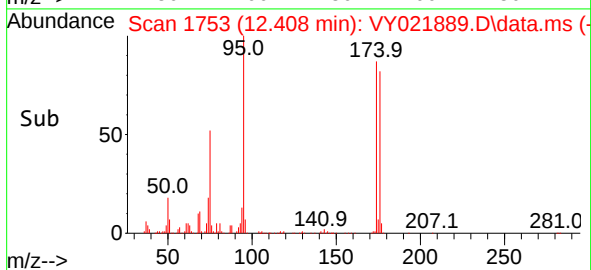
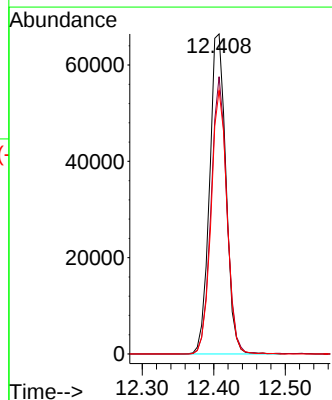
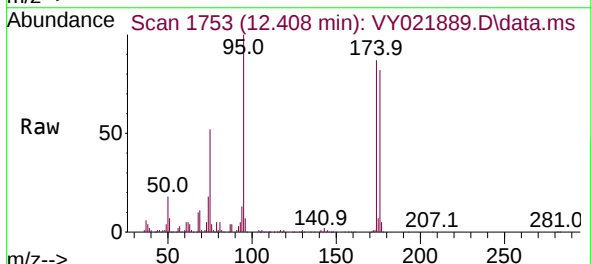
Instrument :
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OR-03-041425

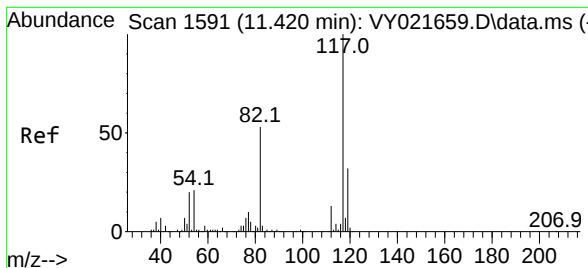
Tgt Ion: 98 Resp: 426792
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 34.736 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021889.D
Acq: 15 Apr 2025 12:29

Tgt Ion: 95 Resp: 105640
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.8
176 80.1 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: VY021889.D

Acq: 15 Apr 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-041425

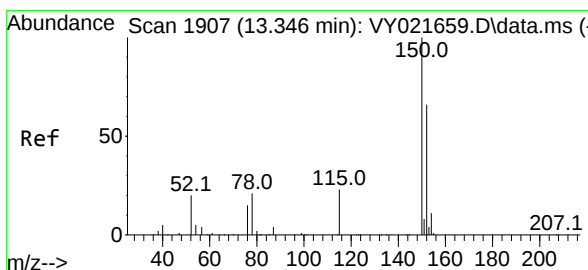
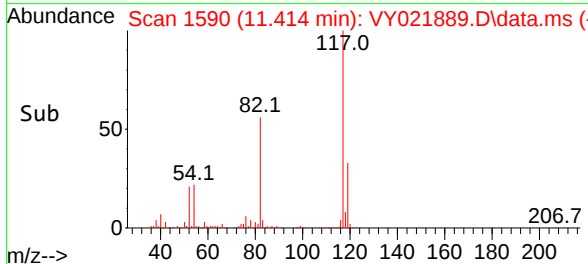
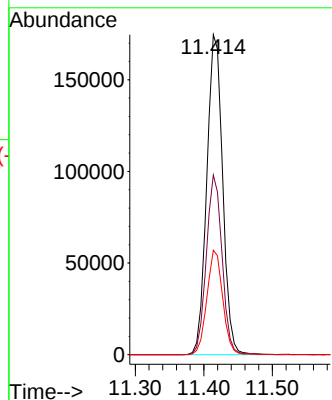
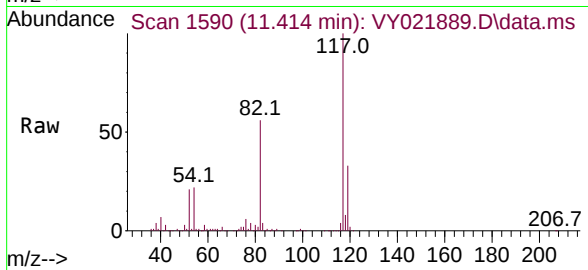
Tgt Ion:117 Resp: 281852

Ion Ratio Lower Upper

117 100

82 56.1 42.8 64.2

119 32.7 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: VY021889.D

Acq: 15 Apr 2025 12:29

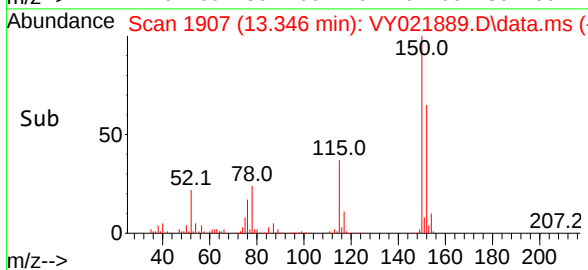
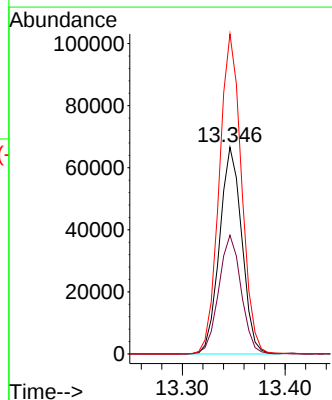
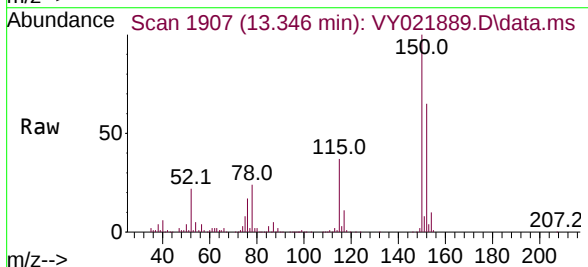
Tgt Ion:152 Resp: 100015

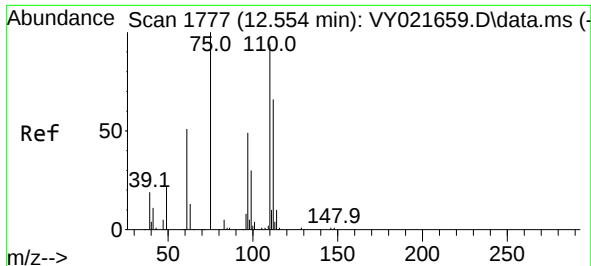
Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 154.8 0.0 348.4

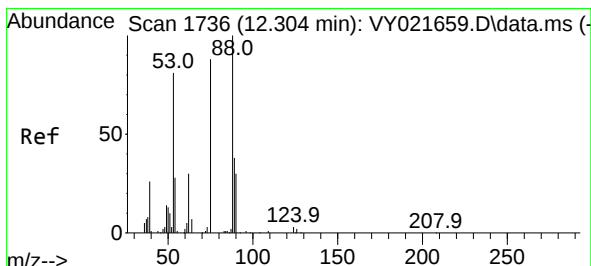
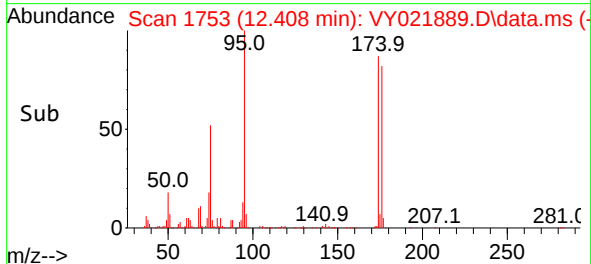
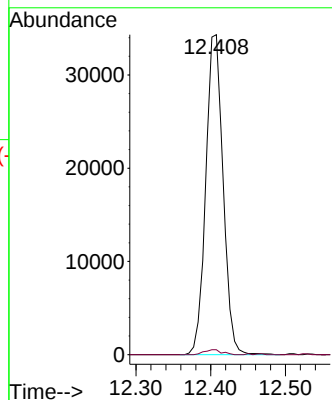
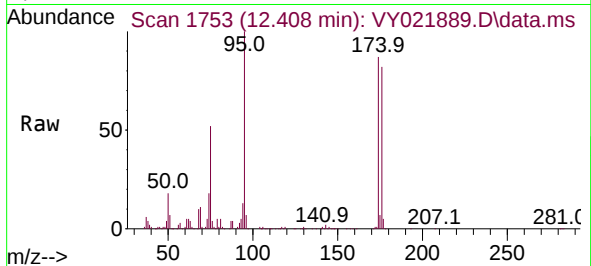




#76
1,2,3-Trichloropropane
Concen: 55.657 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021889.D
Acq: 15 Apr 2025 12:29

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-041425

Tgt Ion: 75 Resp: 55179
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.244 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021889.D
Acq: 15 Apr 2025 12:29

Tgt Ion: 75 Resp: 55179
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 36.2 54.4#

