

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022436.D
 Acq On : 27 May 2025 16:01
 Operator : SY/MD
 Sample : Q2130-01
 Misc : 5.21g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Quant Time: May 28 15:27:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

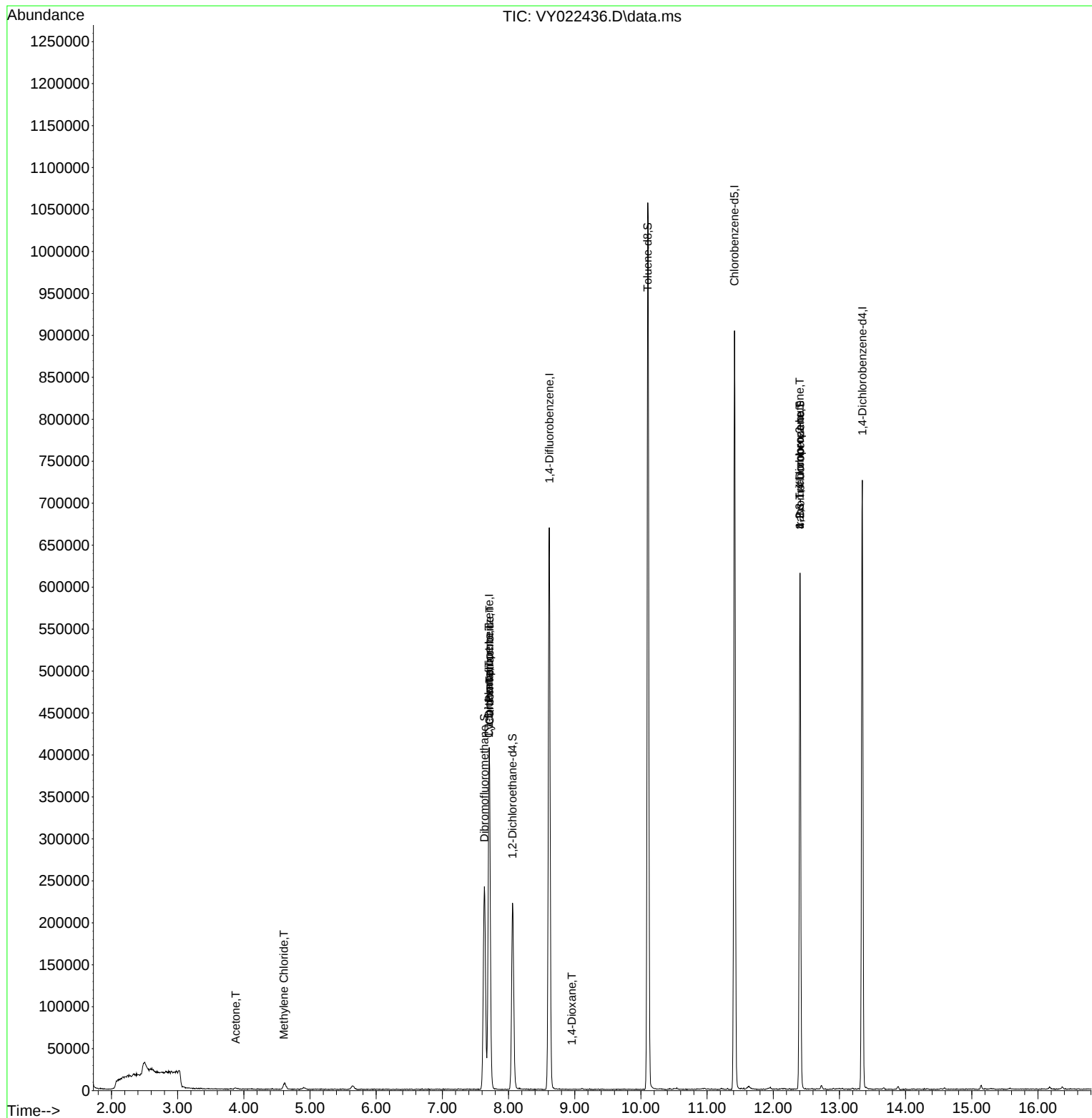
Internal Standards						
1) Pentafluorobenzene	7.707	168	301920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	554808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	448596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	169776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167276	52.600	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.200%	
35) Dibromofluoromethane	7.634	113	167053	51.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.820%	
50) Toluene-d8	10.103	98	666628	50.330	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.660%	
62) 4-Bromofluorobenzene	12.408	95	172667	43.097	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.200%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	2196	4.202	ug/l #	75
20) Methylene Chloride	4.604	84	5024	1.361	ug/l #	86
31) Cyclohexane	7.701	56	8540	1.396	ug/l #	40
36) 1,1-Dichloropropene	7.701	75	26302	5.101	ug/l #	50
38) Carbon Tetrachloride	7.713	117	31878	5.935	ug/l #	16
49) 1,4-Dioxane	8.957	88	29	1.304	ug/l #	23
76) 1,2,3-Trichloropropane	12.402	75	101578	59.731	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	101578	135.080	ug/l #	12

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

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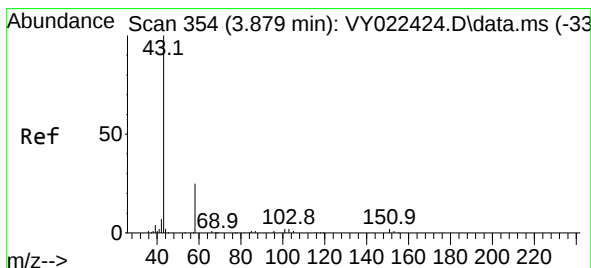
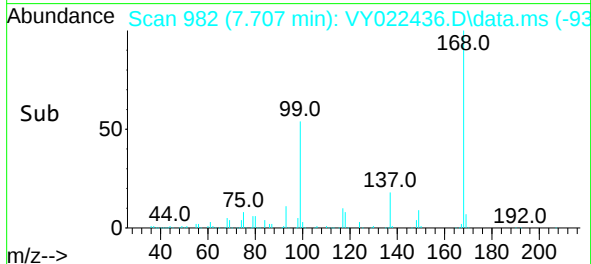
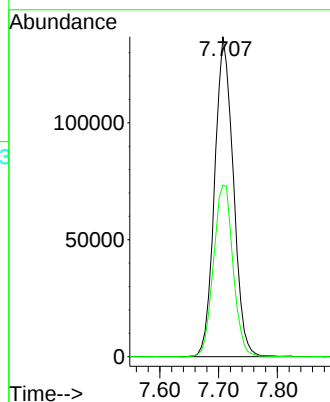
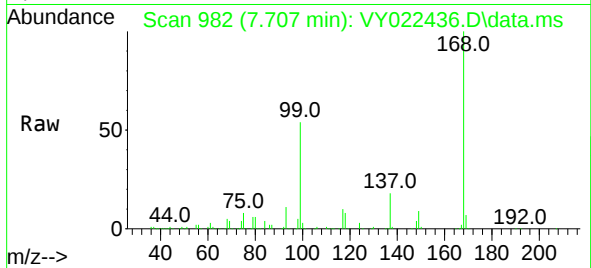




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022436.D
Acq: 27 May 2025 16:01

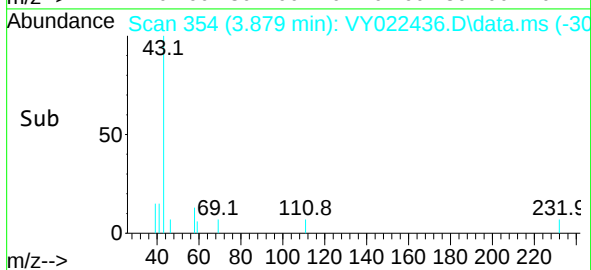
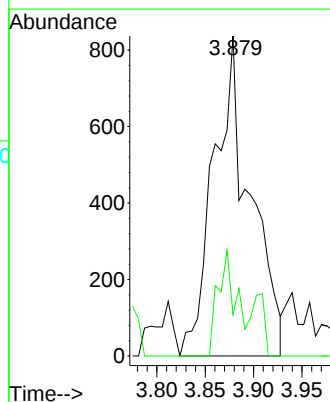
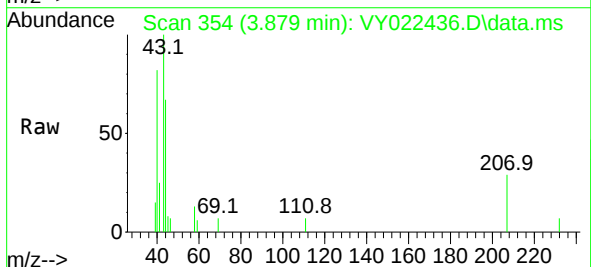
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

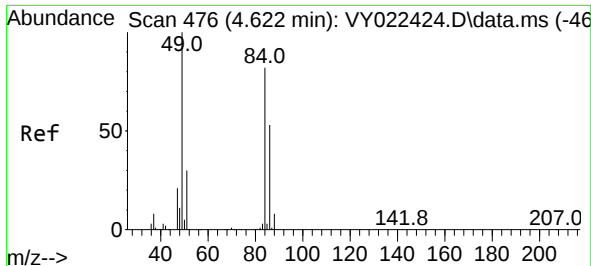
Tgt Ion:168 Resp: 301920
Ion Ratio Lower Upper
168 100
99 53.6 44.7 67.1



#16
Acetone
Concen: 4.202 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022436.D
Acq: 27 May 2025 16:01

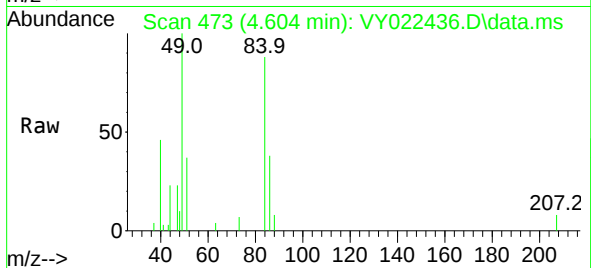
Tgt Ion: 43 Resp: 2196
Ion Ratio Lower Upper
43 100
58 12.9 20.6 30.8#



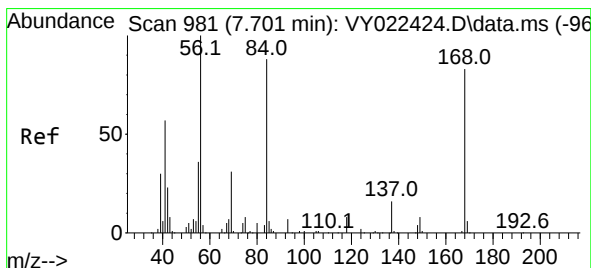
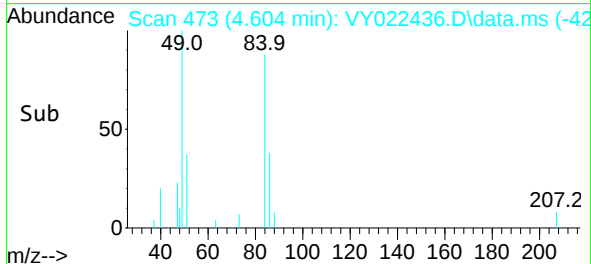
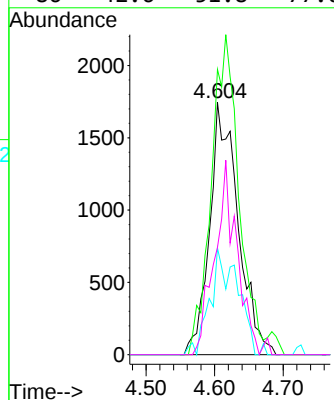


#20
Methylene Chloride
Concen: 1.361 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022436.D
Acq: 27 May 2025 16:01

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

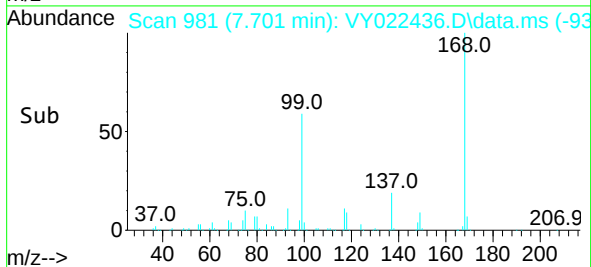
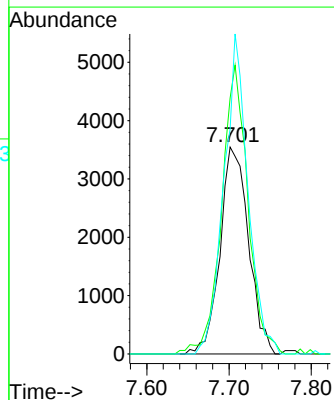
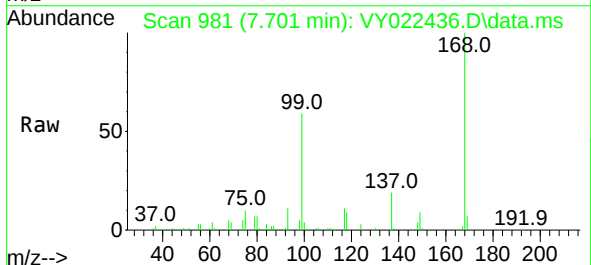


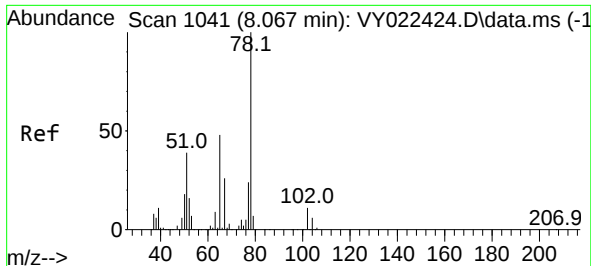
Tgt Ion:	84	Resp:	5024
Ion	Ratio	Lower	Upper
84	100		
49	113.1	97.8	146.8
51	42.3	29.5	44.3
86	42.6	51.8	77.6



#31
Cyclohexane
Concen: 1.396 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022436.D
Acq: 27 May 2025 16:01

Tgt Ion:	56	Resp:	8540
Ion	Ratio	Lower	Upper
56	100		
69	122.2	24.6	36.8
84	108.7	70.4	105.6





#33

1,2-Dichloroethane-d4

Concen: 52.600 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.006 min

Lab File: VY022436.D

Acq: 27 May 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

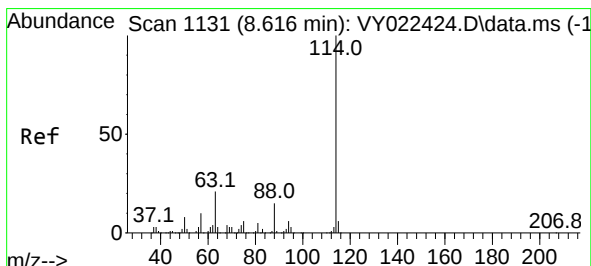
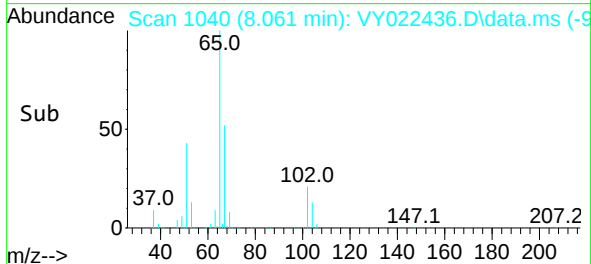
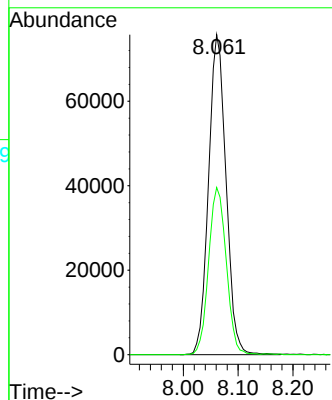
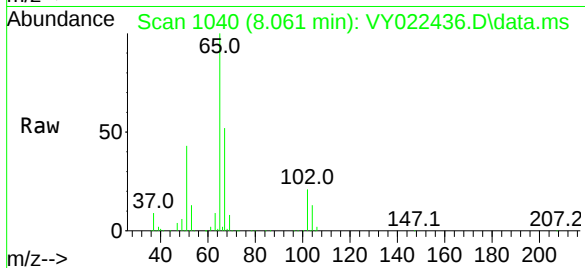
TP-3

Tgt Ion: 65 Resp: 167276

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022436.D

Acq: 27 May 2025 16:01

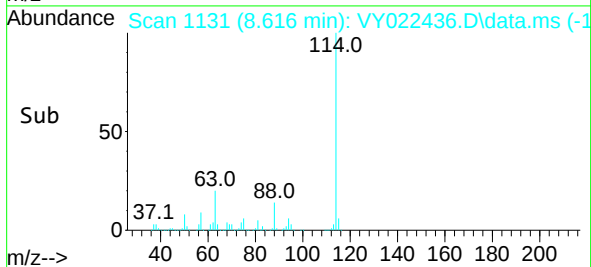
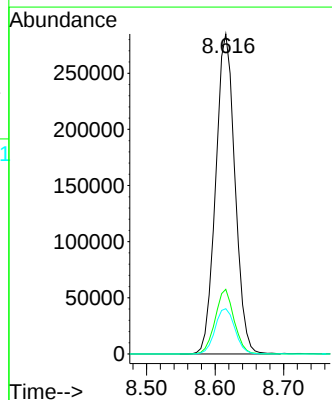
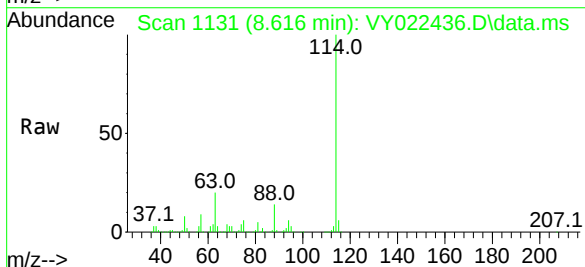
Tgt Ion: 114 Resp: 554808

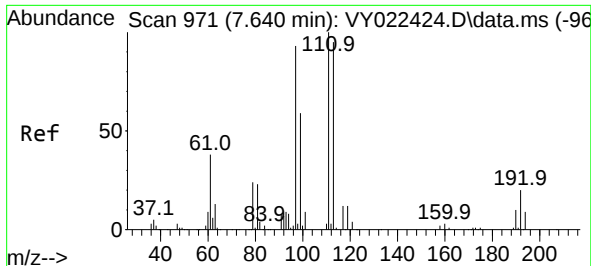
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

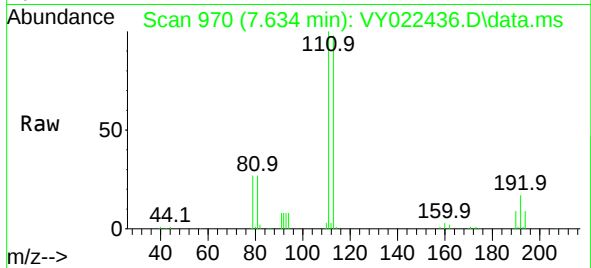
88 14.2 0.0 29.4



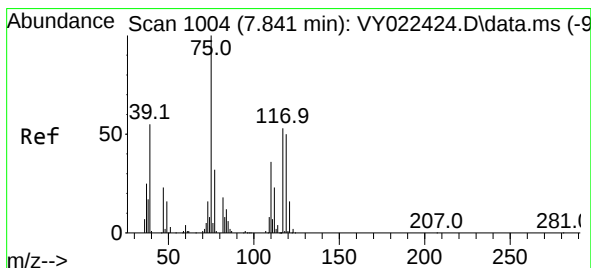
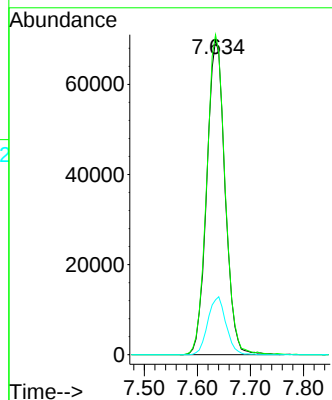
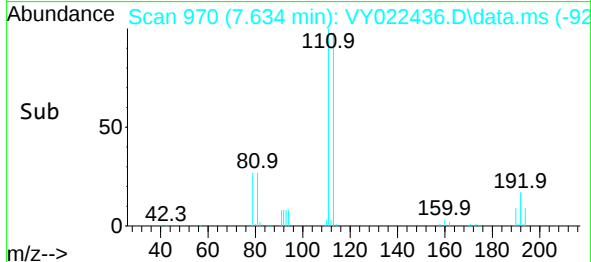


#35
Dibromofluoromethane
Concen: 51.415 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022436.D
Acq: 27 May 2025 16:01

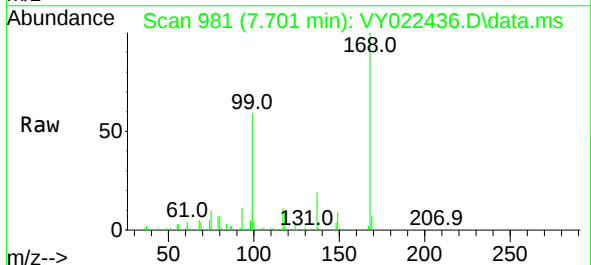
Instrument :
MSVOA_Y
ClientSampleId :
TP-3



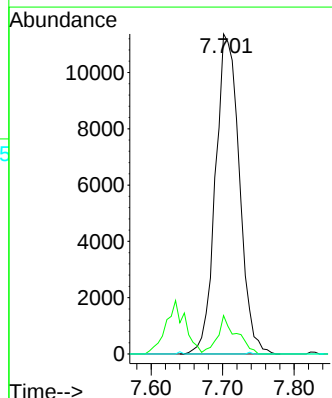
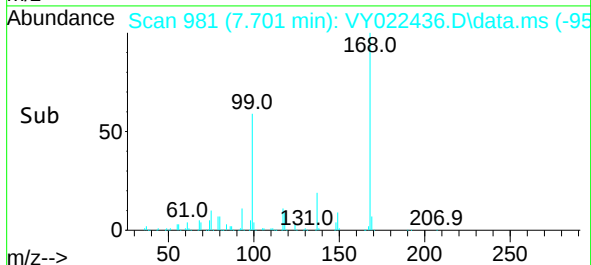
Tgt Ion:113 Resp: 167053
Ion Ratio Lower Upper
113 100
111 102.1 82.4 123.6
192 18.3 15.2 22.8

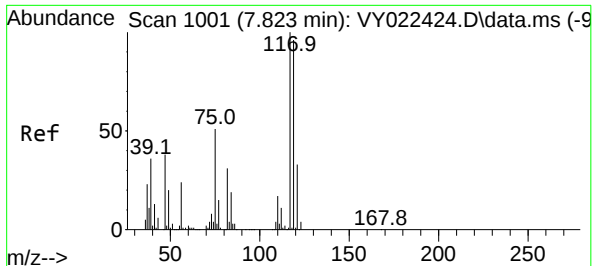


#36
1,1-Dichloropropene
Concen: 5.101 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022436.D
Acq: 27 May 2025 16:01



Tgt Ion: 75 Resp: 26302
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 25.1 37.7#

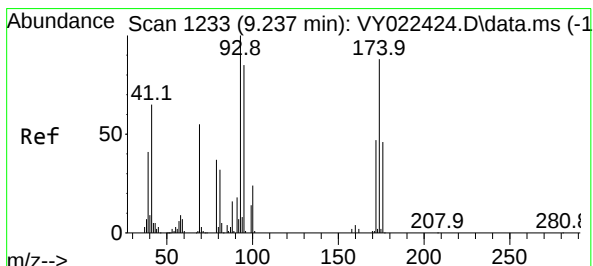
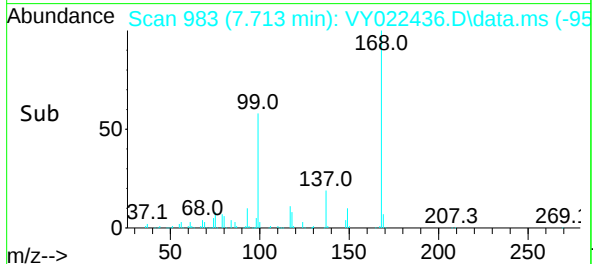
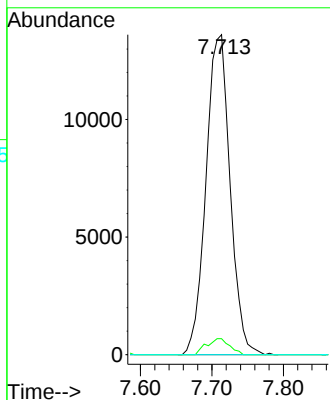
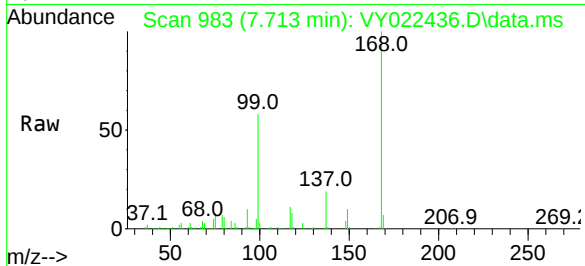




#38
Carbon Tetrachloride
Concen: 5.935 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022436.D
Acq: 27 May 2025 16:01

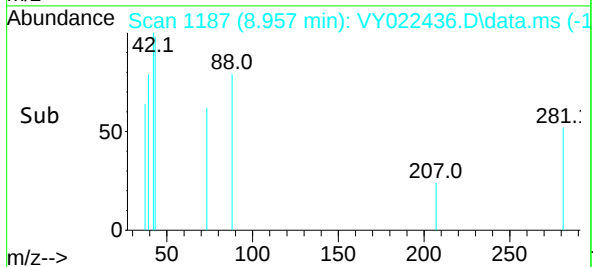
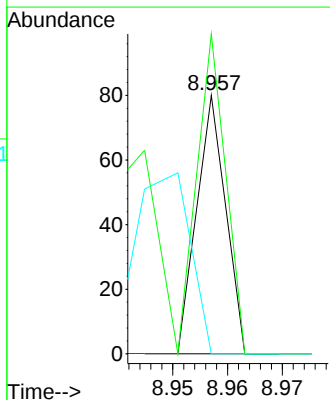
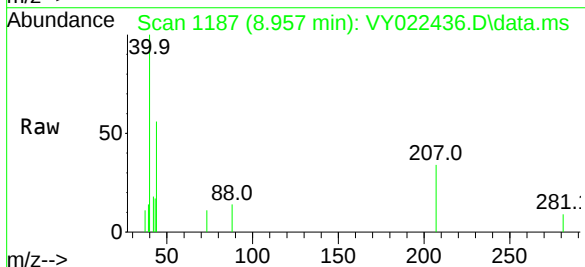
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

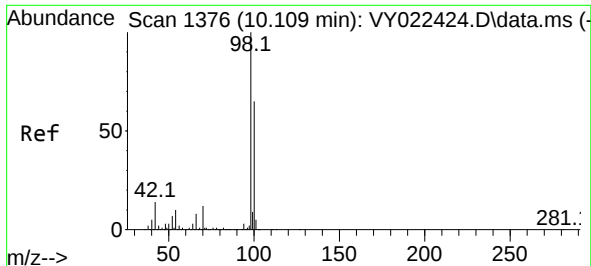
Tgt Ion:117 Resp: 31878
Ion Ratio Lower Upper
117 100
119 5.0 76.3 114.5#
121 0.0 26.1 39.1#



#49
1,4-Dioxane
Concen: 1.304 ug/l
RT: 8.957 min Scan# 1187
Delta R.T. -0.280 min
Lab File: VY022436.D
Acq: 27 May 2025 16:01

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 0.0 26.9 40.3#
58 0.0 55.8 83.6#

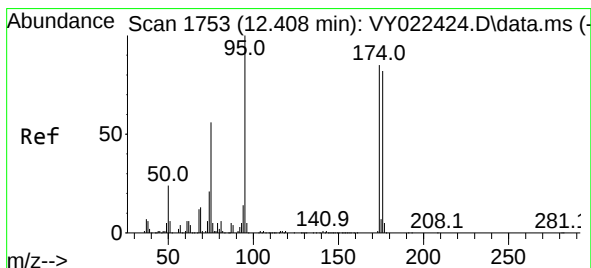
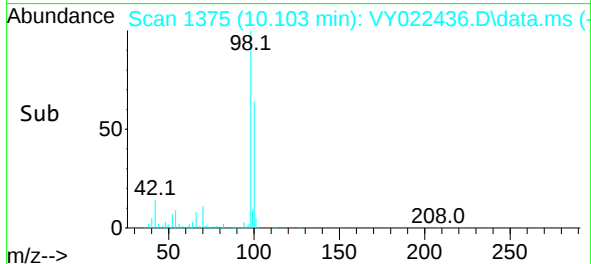
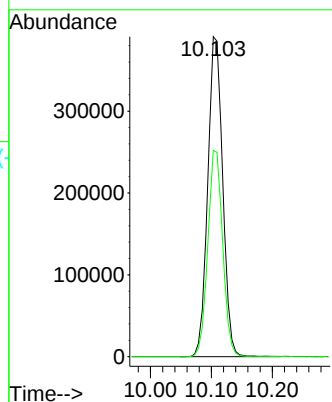
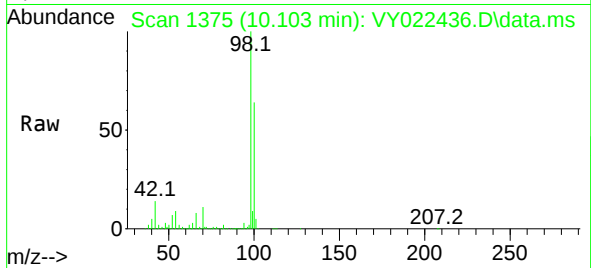




#50
Toluene-d8
Concen: 50.330 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022436.D
Acq: 27 May 2025 16:01

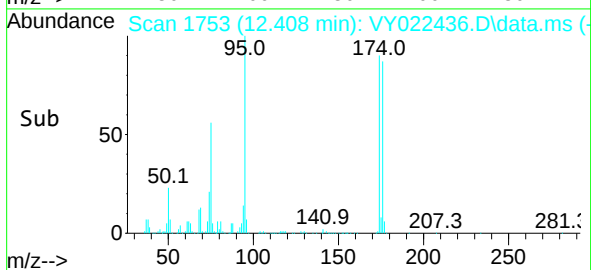
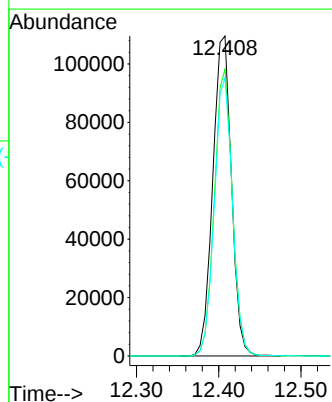
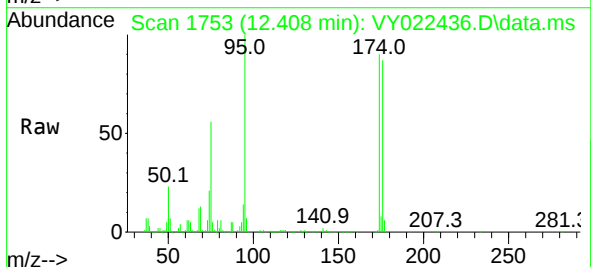
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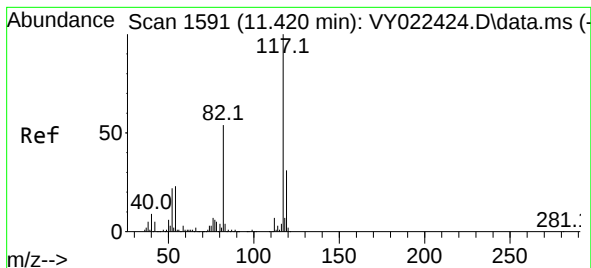
Tgt Ion: 98 Resp: 666628
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 43.097 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022436.D
Acq: 27 May 2025 16:01

Tgt Ion: 95 Resp: 172667
Ion Ratio Lower Upper
95 100
174 87.1 0.0 171.6
176 84.6 0.0 164.6

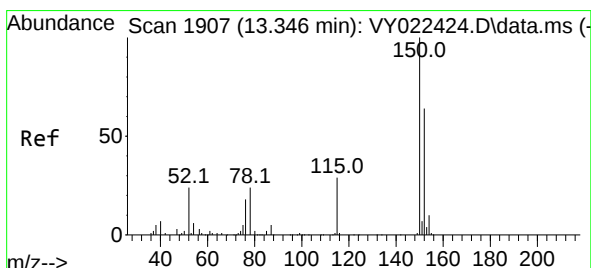
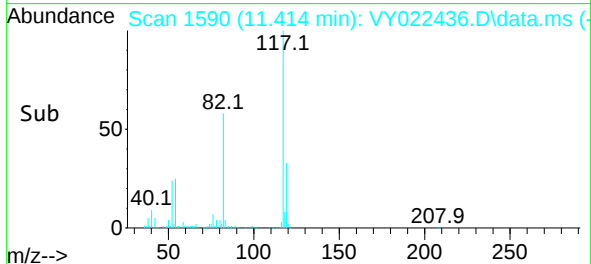
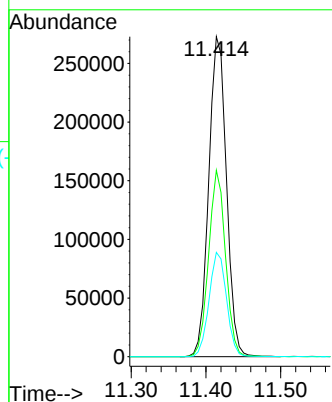
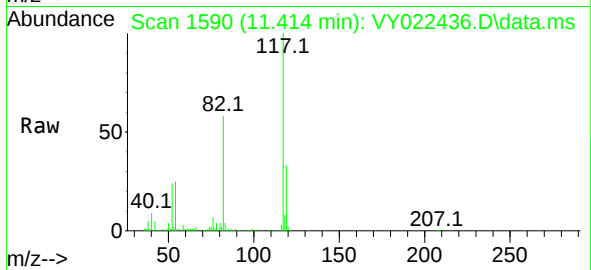




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022436.D
Acq: 27 May 2025 16:01

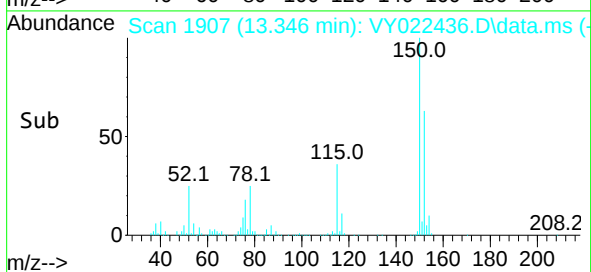
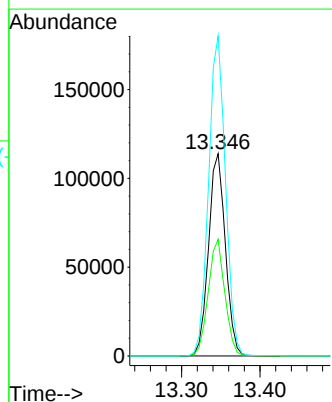
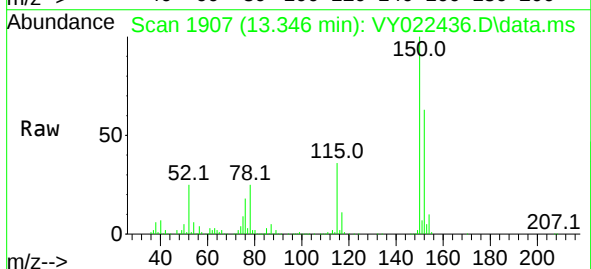
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

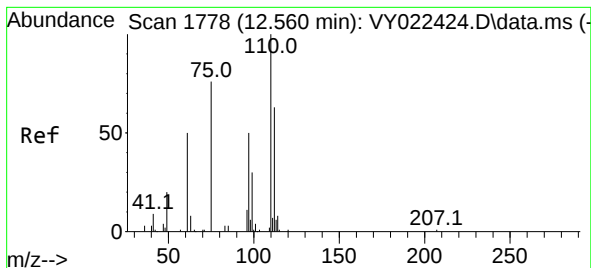
Tgt Ion:117 Resp: 448596
Ion Ratio Lower Upper
117 100
82 58.3 43.3 64.9
119 32.6 24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022436.D
Acq: 27 May 2025 16:01

Tgt Ion:152 Resp: 169776
Ion Ratio Lower Upper
152 100
115 57.1 28.4 85.3
150 158.6 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 59.731 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY022436.D

Acq: 27 May 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

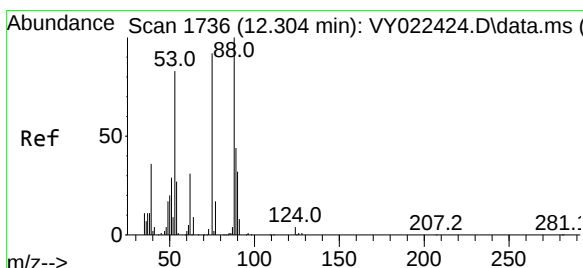
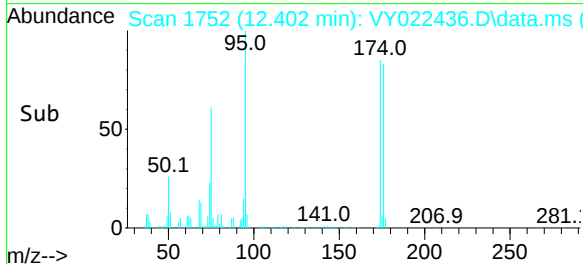
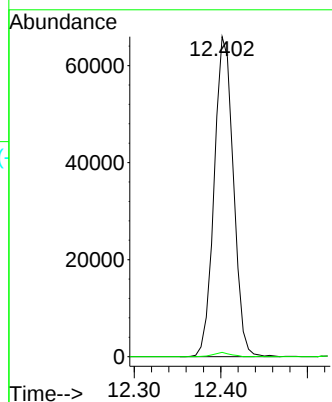
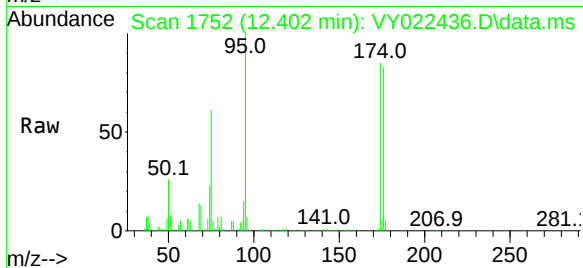
TP-3

Tgt Ion: 75 Resp: 101578

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.080 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY022436.D

Acq: 27 May 2025 16:01

Tgt Ion: 75 Resp: 101578

Ion Ratio Lower Upper

75 100

53 0.0 75.1 112.7#

89 0.0 37.4 56.0#

