

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023020.D
 Acq On : 21 Jul 2025 12:39
 Operator : SY/MD
 Sample : Q2639-07
 Misc : 4.24g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-41-071725

Quant Time: Jul 22 04:50:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

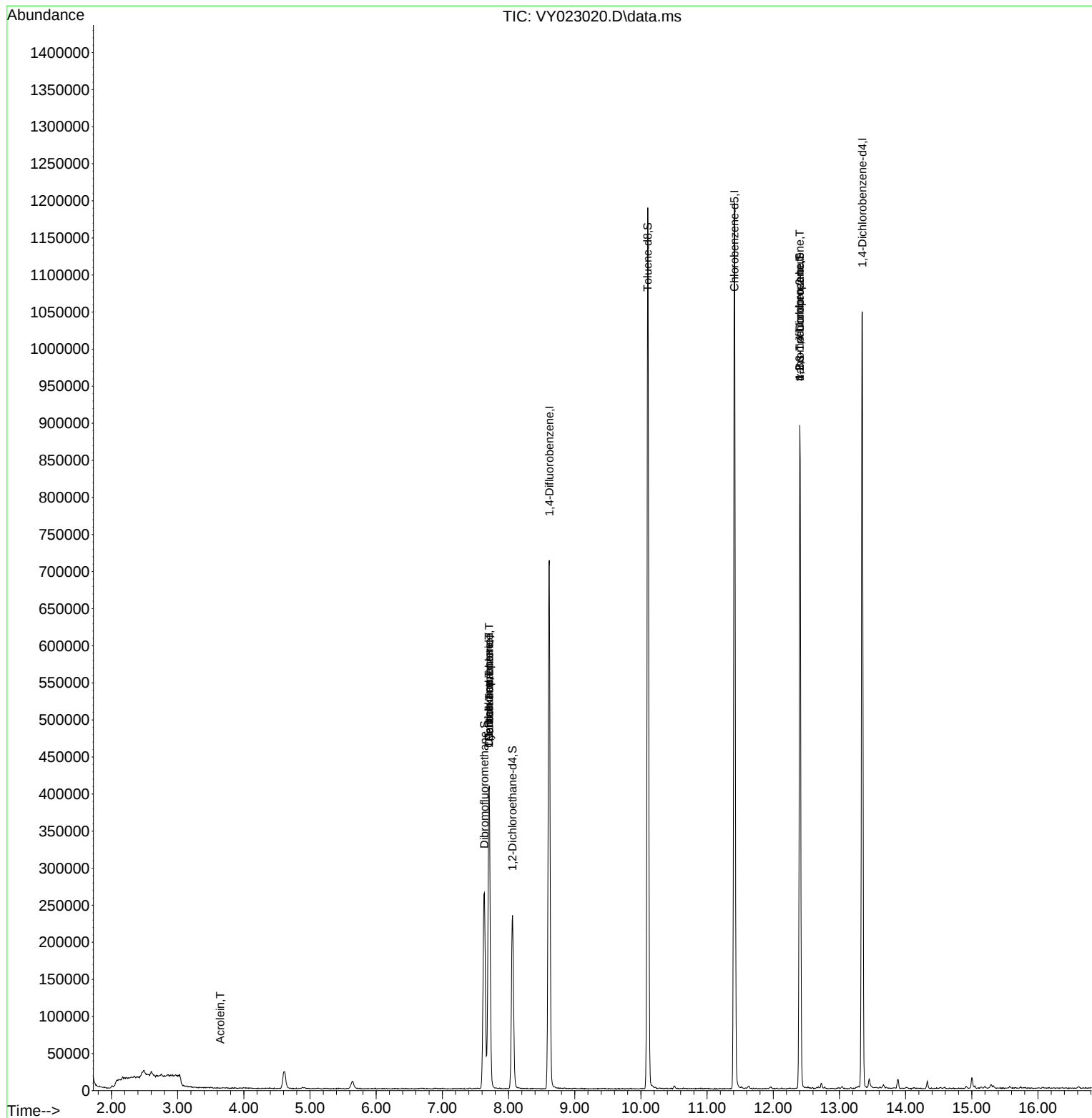
Internal Standards						
1) Pentafluorobenzene	7.707	168	312888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	608344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	609203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	265662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	186874	58.998	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.000%	
35) Dibromofluoromethane	7.634	113	190768	49.435	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.880%	
50) Toluene-d8	10.103	98	745492	48.715	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.440%	
62) 4-Bromofluorobenzene	12.401	95	262966	54.589	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.180%	
Target Compounds						
					Qvalue	
13) Acrolein	3.641	56	99	1.100	ug/l #	70
20) Methylene Chloride	4.610	84	16741	Below Cal		96
31) Cyclohexane	7.701	56	7755	1.230	ug/l #	5
36) 1,1-Dichloropropene	7.701	75	25979	4.274	ug/l #	51
38) Carbon Tetrachloride	7.707	117	31941	4.837	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	146689	44.312	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	146689	131.982	ug/l #	12

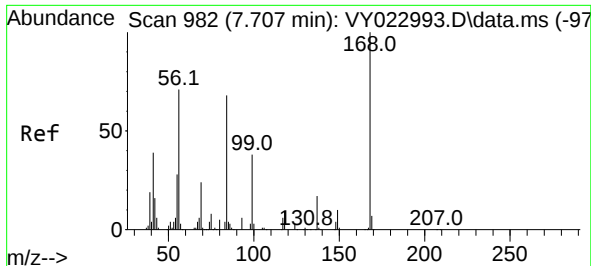
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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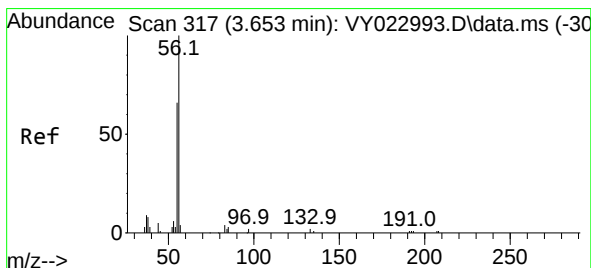
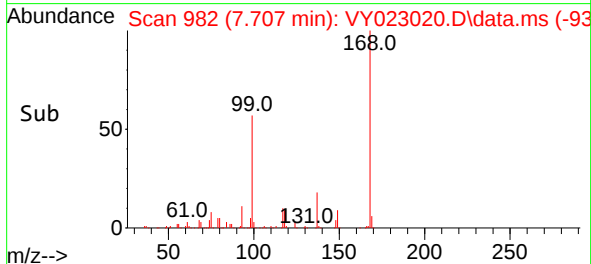
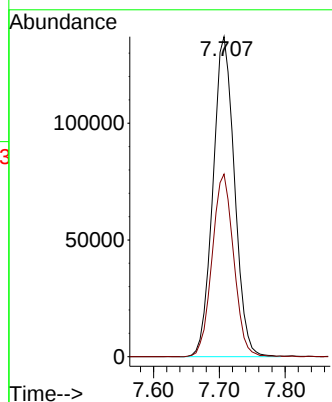
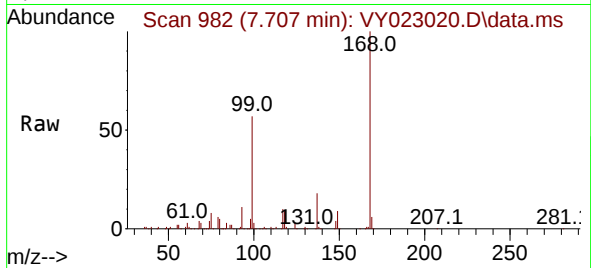




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

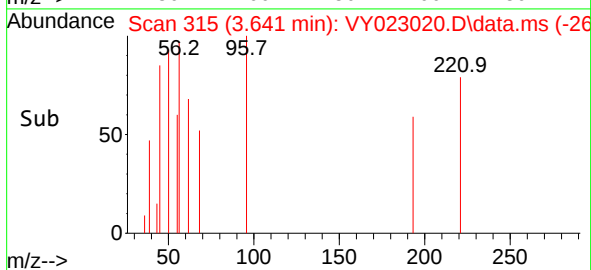
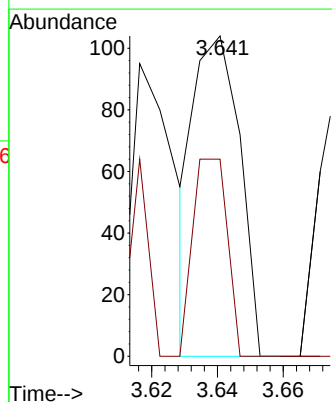
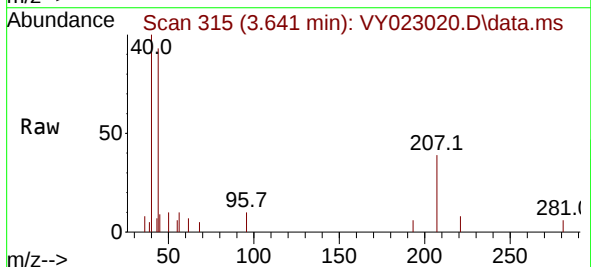
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-41-071725

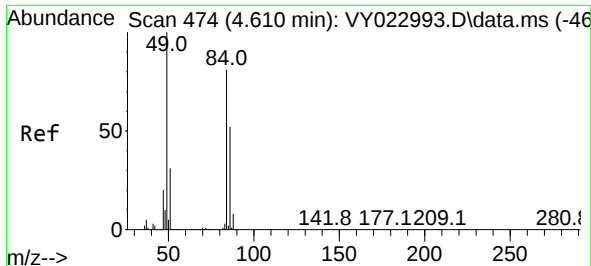
Tgt Ion:168 Resp: 312888
Ion Ratio Lower Upper
168 100
99 57.0 44.4 66.6



#13
Acrolein
Concen: 1.100 ug/l
RT: 3.641 min Scan# 315
Delta R.T. -0.012 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 47.5 57.8 86.6#

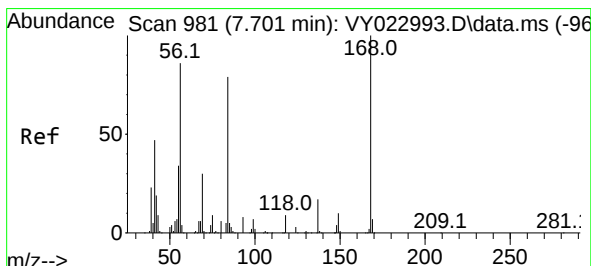
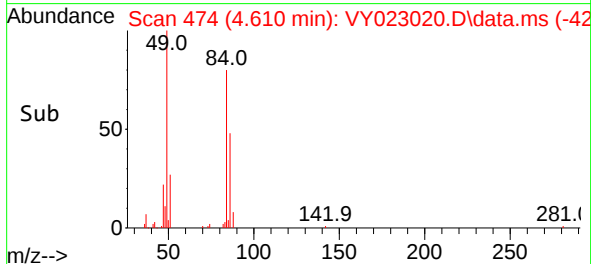
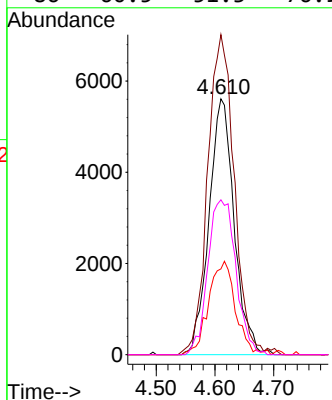
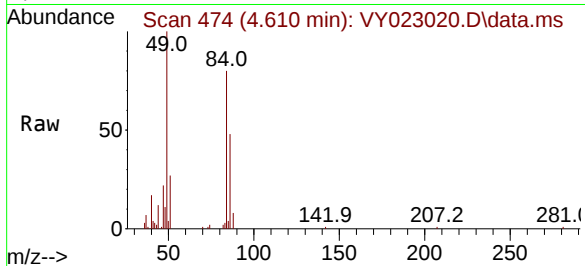




#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

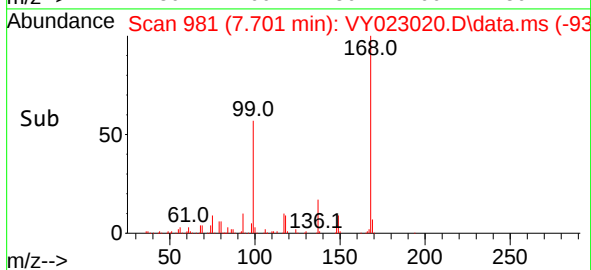
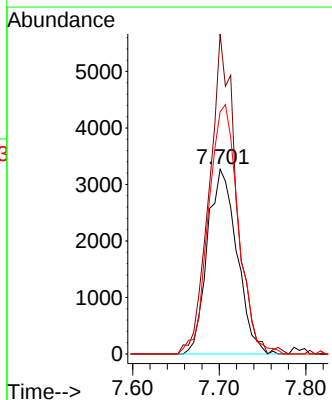
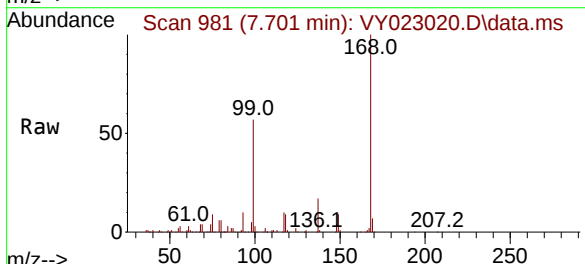
Instrument :
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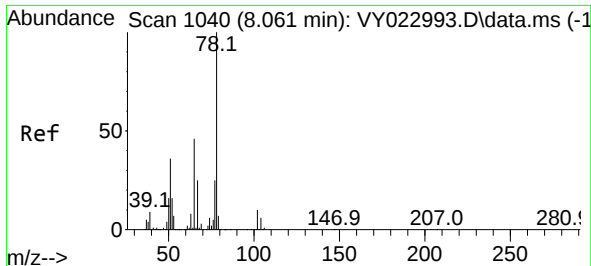
Tgt Ion:	84	Resp:	16741
Ion	Ratio	Lower	Upper
84	100		
49	125.1	98.2	147.4
51	33.5	30.5	45.7
86	60.5	51.3	76.9



#31
Cyclohexane
Concen: 1.230 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

Tgt Ion:	56	Resp:	7755
Ion	Ratio	Lower	Upper
56	100		
69	173.3	28.1	42.1#
84	131.1	73.5	110.3#





#33

1,2-Dichloroethane-d4

Concen: 58.998 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY023020.D

Acq: 21 Jul 2025 12:39

Instrument :

MSVOA_Y

ClientSampleId :

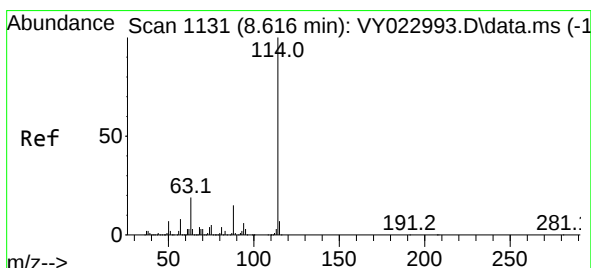
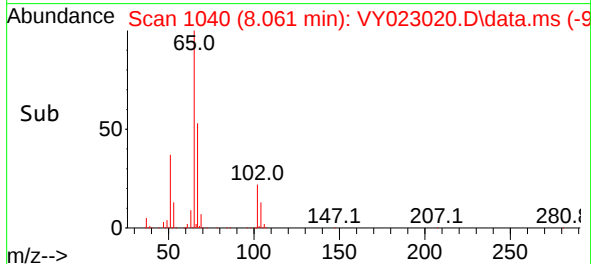
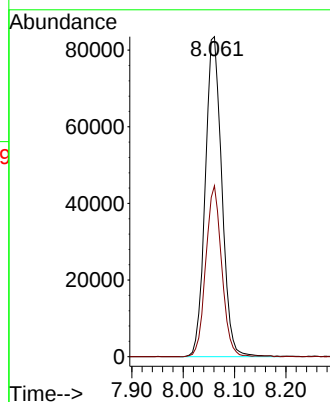
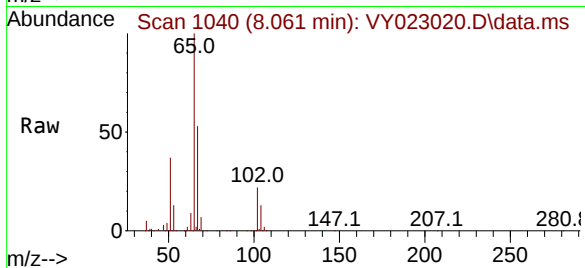
OU4-TS-41-071725

Tgt Ion: 65 Resp: 186874

Ion Ratio Lower Upper

65 100

67 51.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023020.D

Acq: 21 Jul 2025 12:39

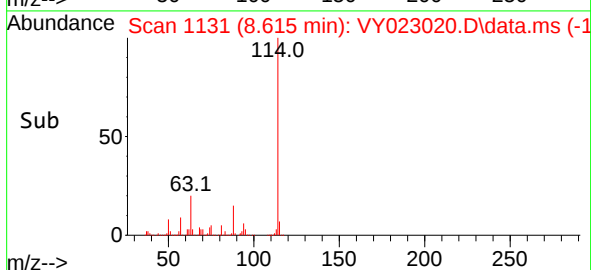
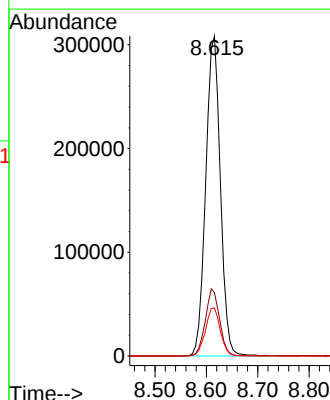
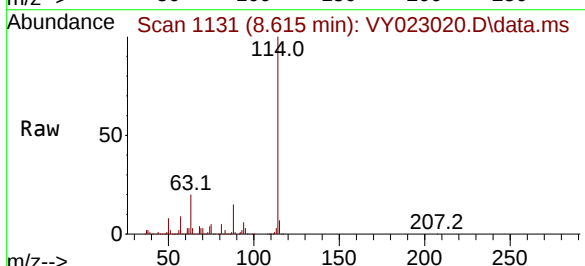
Tgt Ion: 114 Resp: 608344

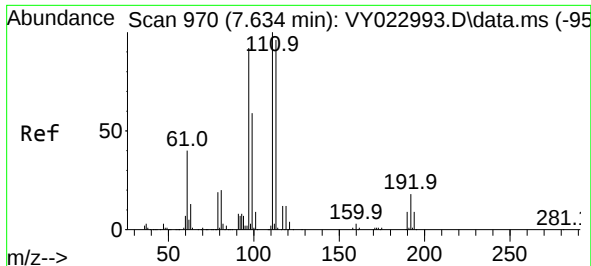
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

88 15.0 0.0 30.2

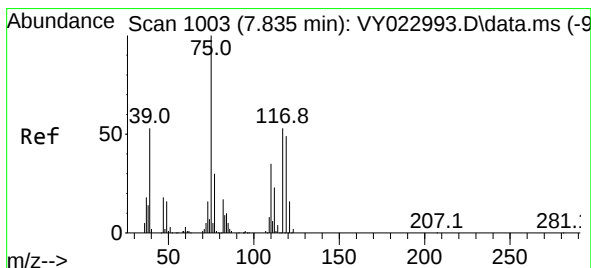
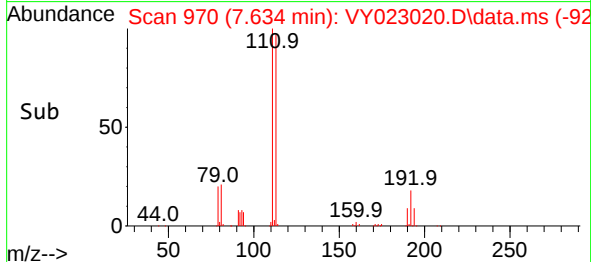
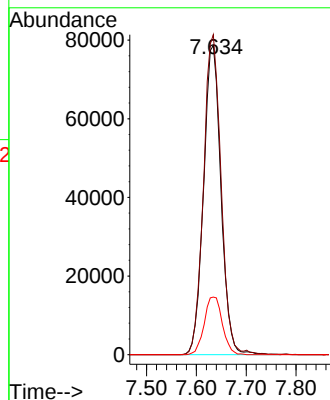
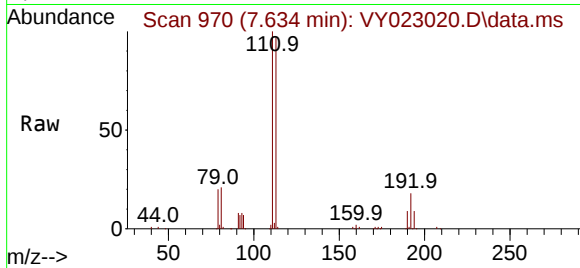




#35
Dibromofluoromethane
Concen: 49.435 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

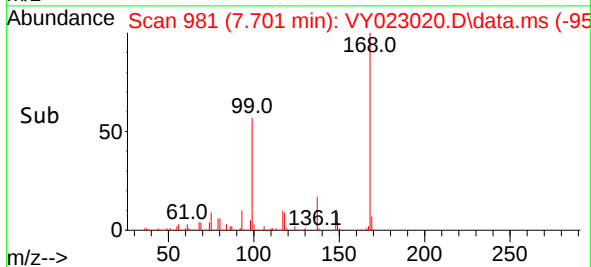
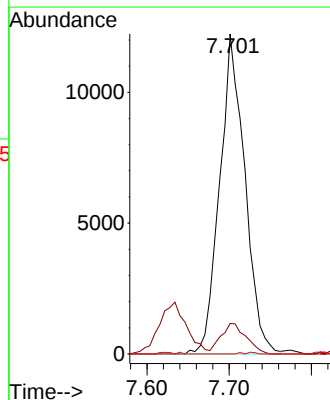
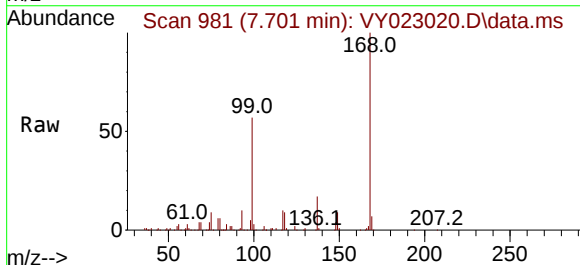
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ClientSampleId :
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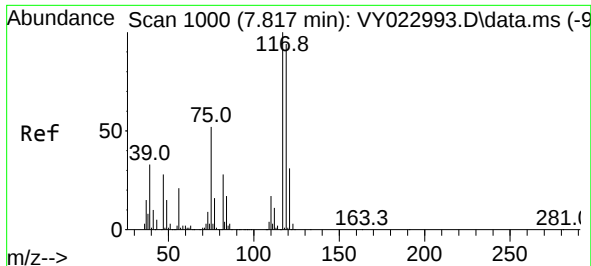
Tgt Ion:113 Resp: 190768
Ion Ratio Lower Upper
113 100
111 104.2 83.2 124.8
192 19.4 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.274 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

Tgt Ion: 75 Resp: 25979
Ion Ratio Lower Upper
75 100
110 9.5 17.3 51.9#
77 0.0 24.6 37.0#

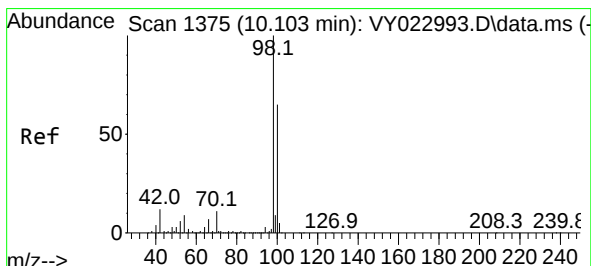
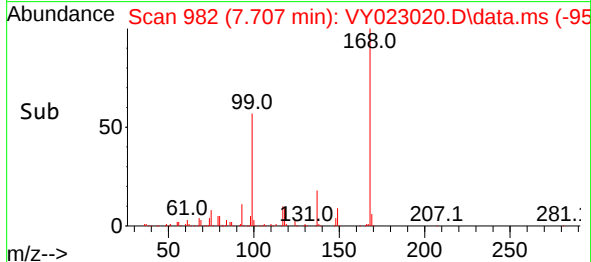
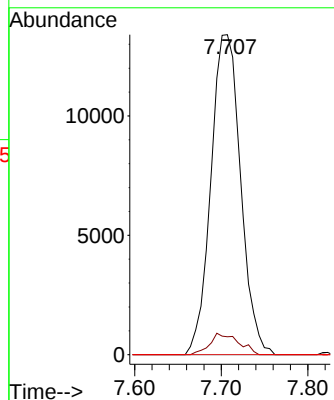
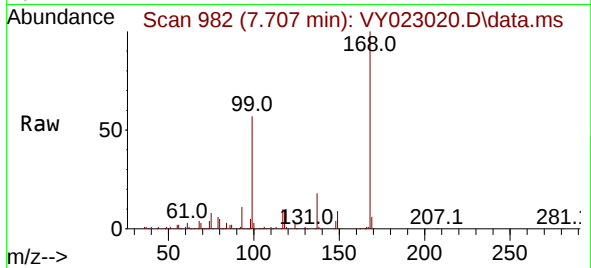




#38
Carbon Tetrachloride
Concen: 4.837 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

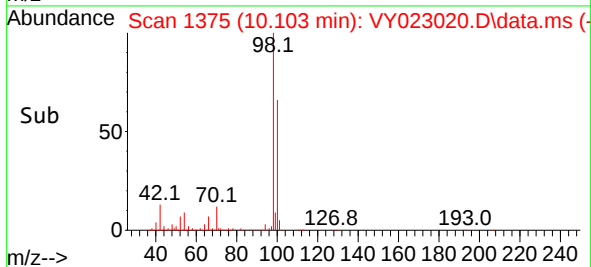
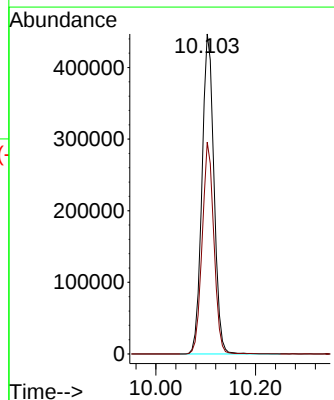
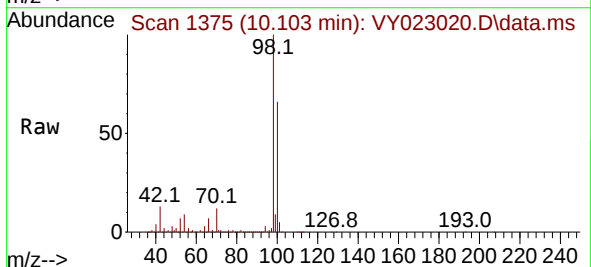
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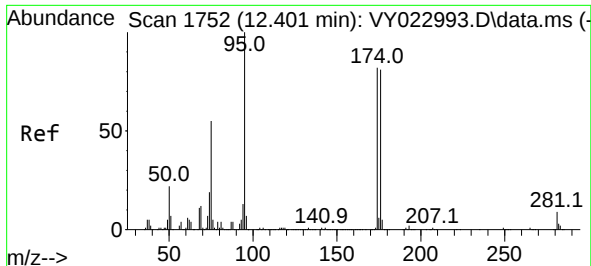
Tgt Ion:117 Resp: 31941
Ion Ratio Lower Upper
117 100
119 5.6 74.9 112.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 48.715 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

Tgt Ion: 98 Resp: 745492
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2

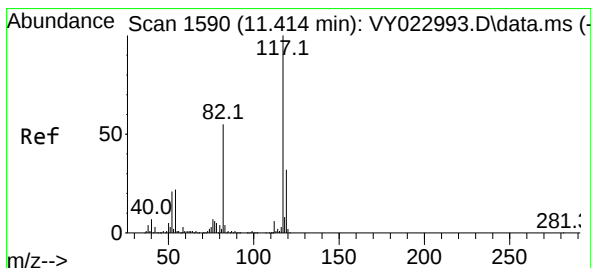
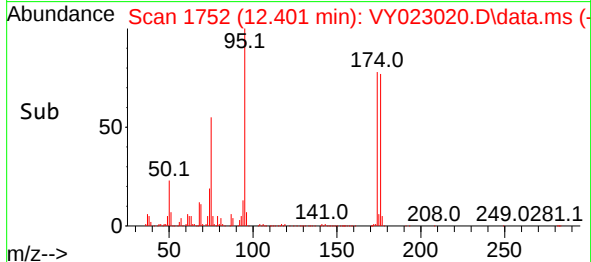
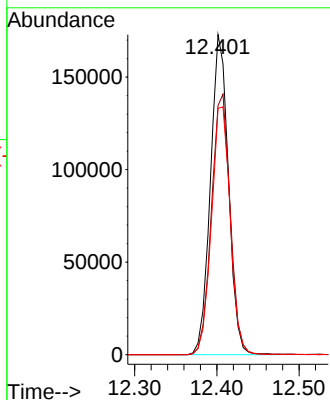
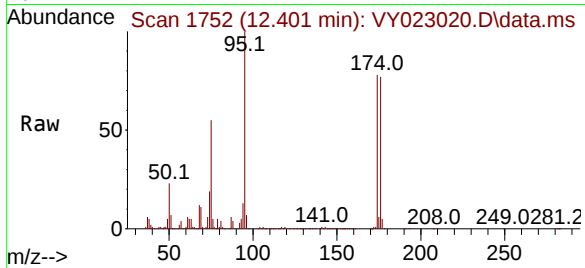




#62
4-Bromofluorobenzene
Concen: 54.589 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

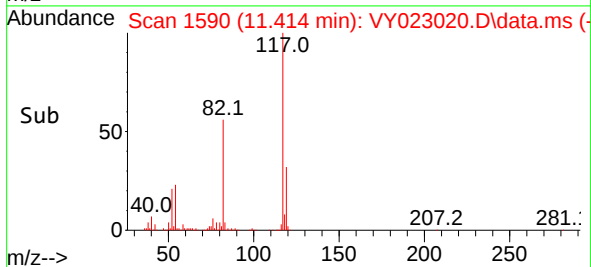
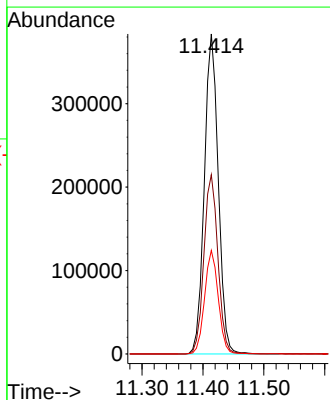
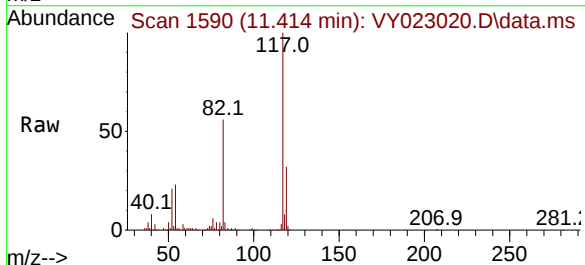
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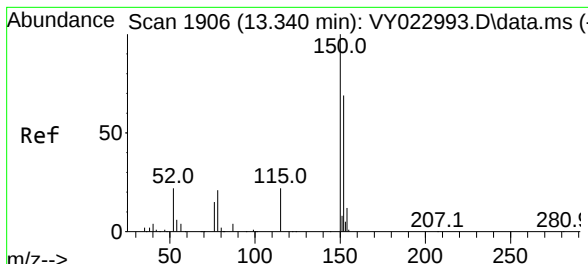
Tgt Ion: 95 Resp: 262966
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.8
176 81.0 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

Tgt Ion: 117 Resp: 609203
Ion Ratio Lower Upper
117 100
82 56.0 44.3 66.5
119 32.4 25.8 38.8

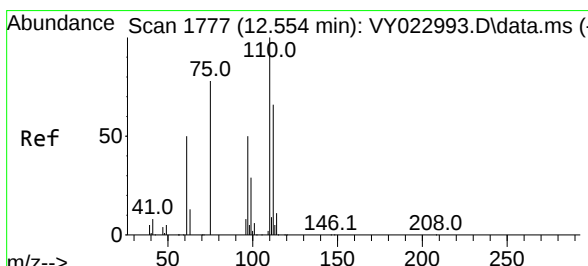
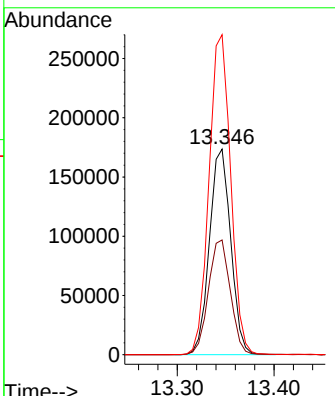
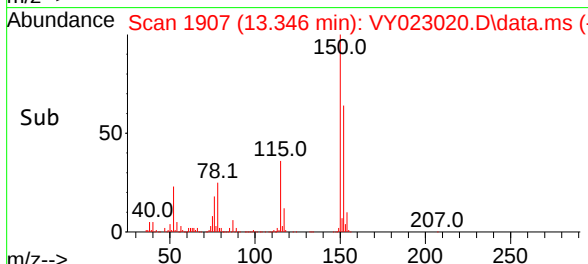
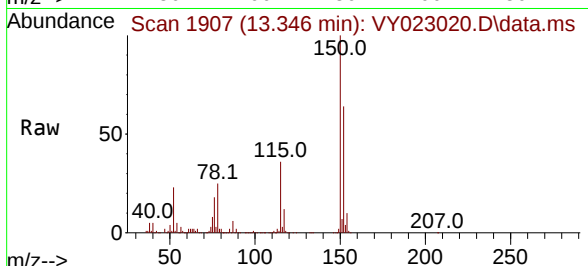




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY023020.D
 Acq: 21 Jul 2025 12:39

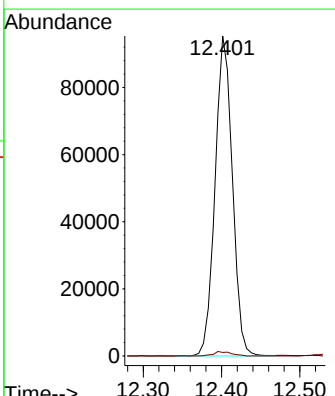
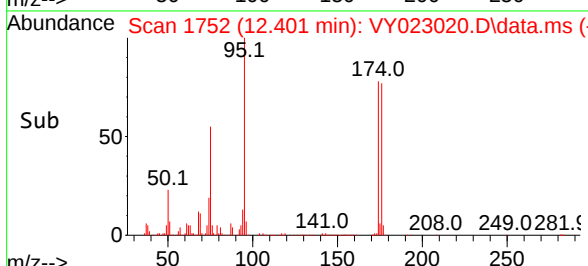
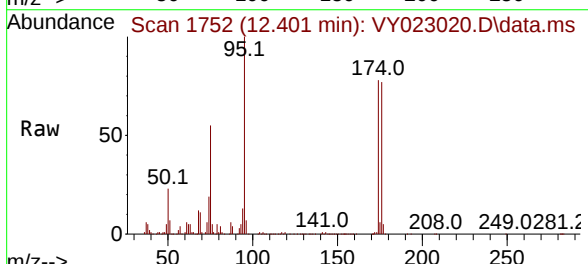
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-41-071725

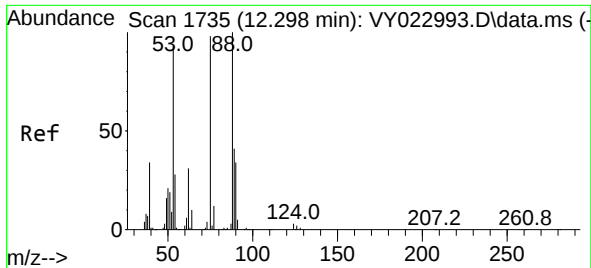
Tgt Ion:	152	Resp:	265662
Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.4	88.2
150	158.2	0.0	350.0



#76
 1,2,3-Trichloropropane
 Concen: 44.312 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023020.D
 Acq: 21 Jul 2025 12:39

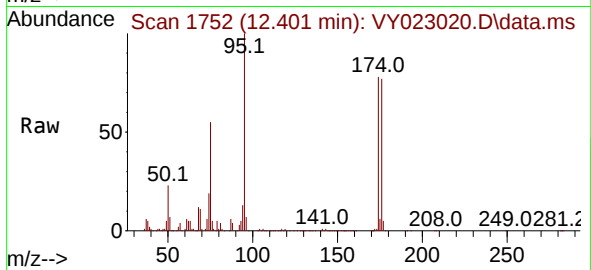
Tgt Ion:	75	Resp:	146689
Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.982 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023020.D
 Acq: 21 Jul 2025 12:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-41-071725



Tgt Ion: 75 Resp: 146689
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.1 54.1#

