

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023004.D
 Acq On : 18 Jul 2025 17:46
 Operator : SY/MD
 Sample : Q2638-07
 Misc : 4.27g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-34-071725

Quant Time: Jul 19 02:14:05 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)

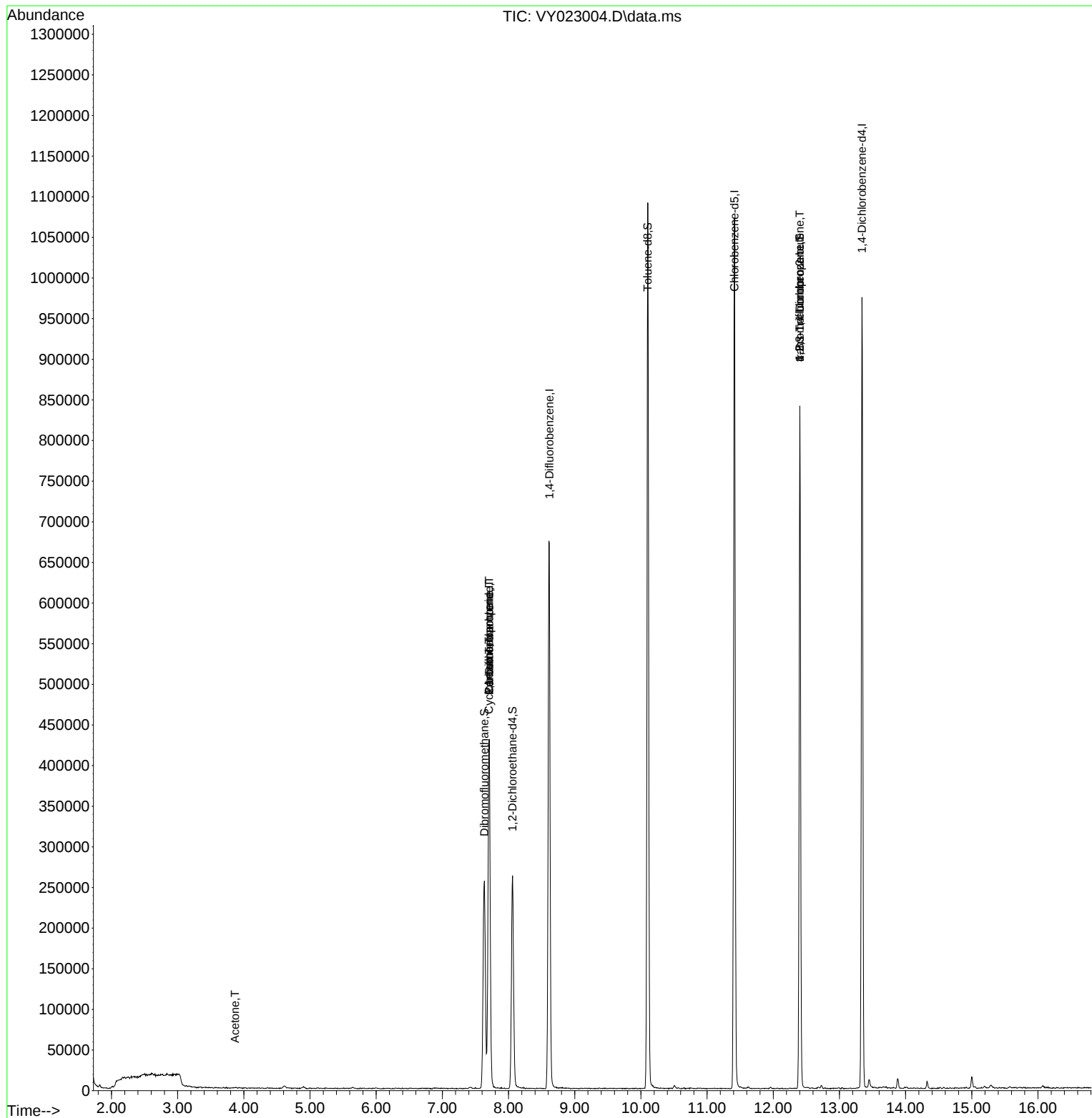
Internal Standards						
1) Pentafluorobenzene	7.707	168	324576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	577540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	548487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	238113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	204686	62.294	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.580%	
35) Dibromofluoromethane	7.634	113	184464	50.351	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.700%	
50) Toluene-d8	10.103	98	693410	47.728	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.460%	
62) 4-Bromofluorobenzene	12.401	95	244402	53.442	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.880%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1564	2.626	ug/l #	67
20) Methylene Chloride	4.610	84	2113	Below Cal	#	65
31) Cyclohexane	7.701	56	7857	1.201	ug/l #	31
36) 1,1-Dichloropropene	7.707	75	28029	4.857	ug/l #	50
38) Carbon Tetrachloride	7.707	117	33425	5.331	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	134766	45.421	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	134766	135.283	ug/l #	12

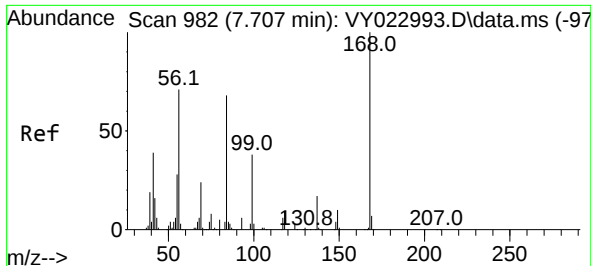
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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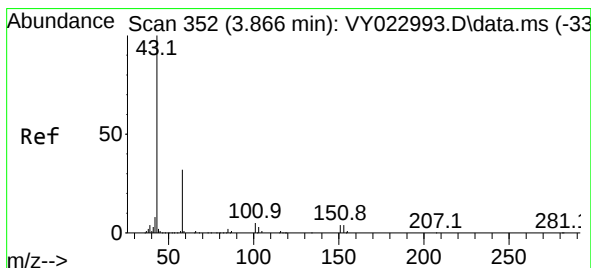
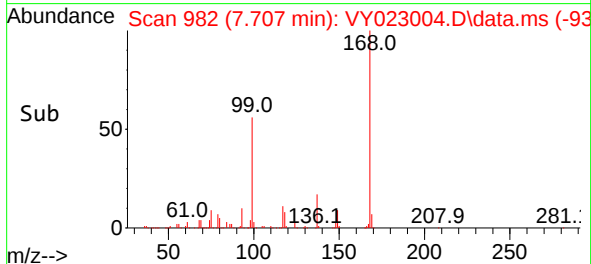
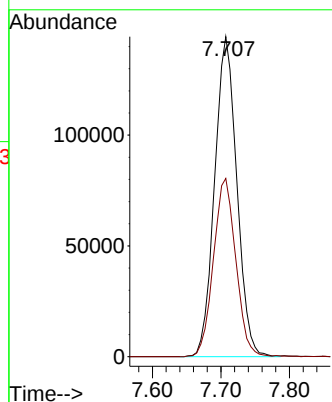
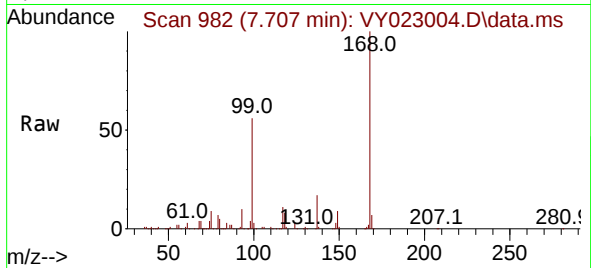




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023004.D
Acq: 18 Jul 2025 17:46

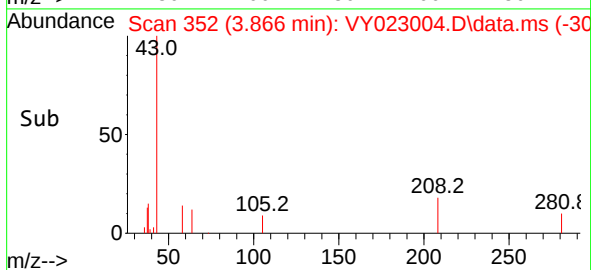
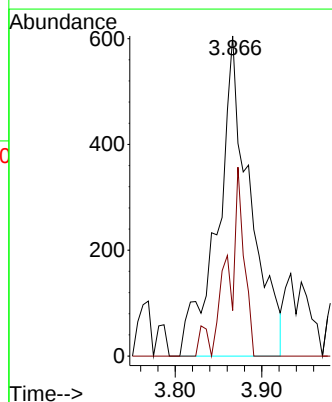
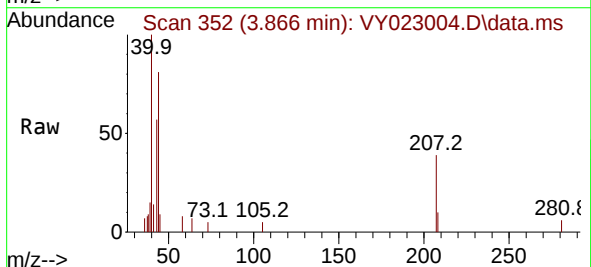
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-34-071725

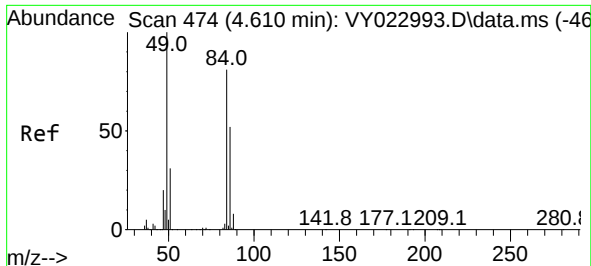
Tgt Ion:168 Resp: 324576
Ion Ratio Lower Upper
168 100
99 55.7 44.4 66.6



#16
Acetone
Concen: 2.626 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023004.D
Acq: 18 Jul 2025 17:46

Tgt Ion: 43 Resp: 1564
Ion Ratio Lower Upper
43 100
58 14.2 26.2 39.4#

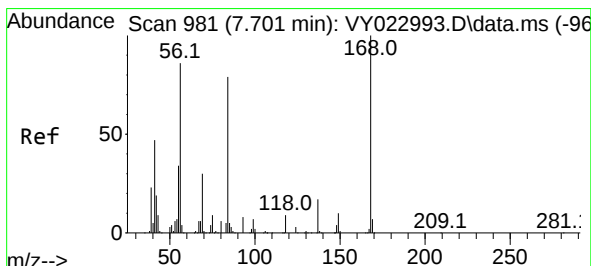
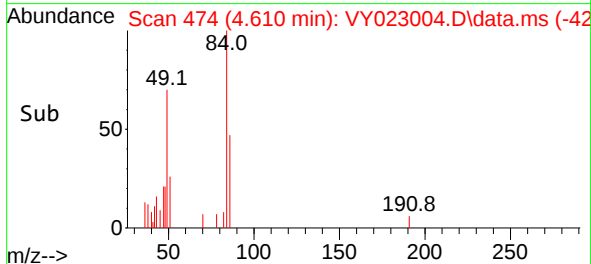
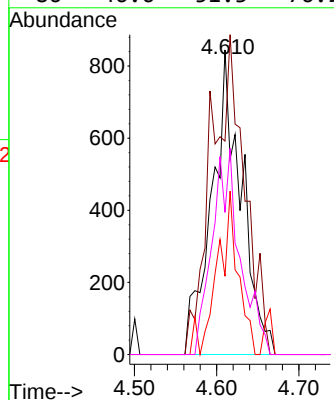
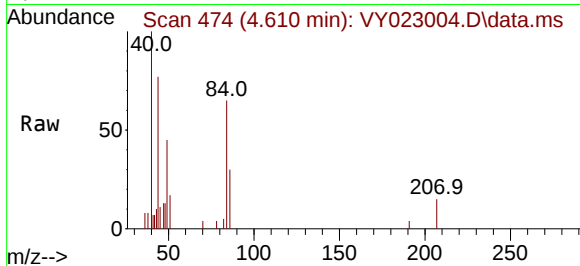




#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023004.D
Acq: 18 Jul 2025 17:46

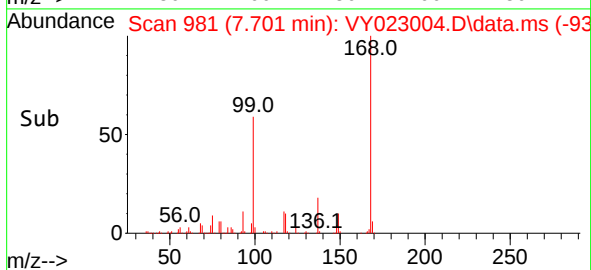
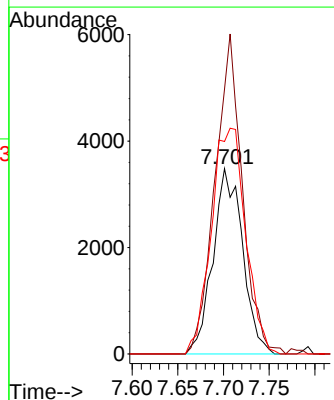
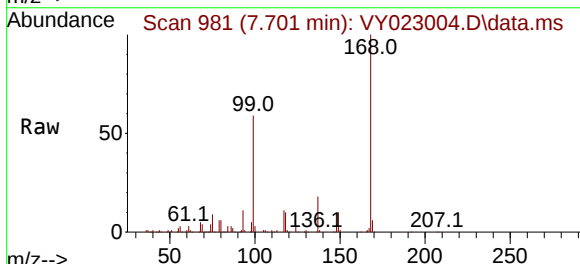
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-34-071725

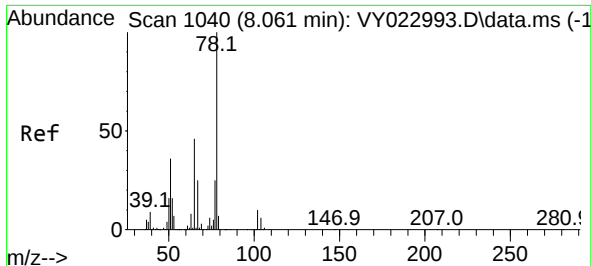
Tgt Ion:	84	Resp:	2113
Ion	Ratio	Lower	Upper
84	100		
49	70.1	98.2	147.4#
51	25.7	30.5	45.7#
86	46.6	51.3	76.9#



#31
Cyclohexane
Concen: 1.201 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY023004.D
Acq: 18 Jul 2025 17:46

Tgt Ion:	56	Resp:	7857
Ion	Ratio	Lower	Upper
56	100		
69	143.0	28.1	42.1#
84	114.7	73.5	110.3#





#33

1,2-Dichloroethane-d4

Concen: 62.294 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023004.D

Acq: 18 Jul 2025 17:46

Instrument :

MSVOA_Y

ClientSampleId :

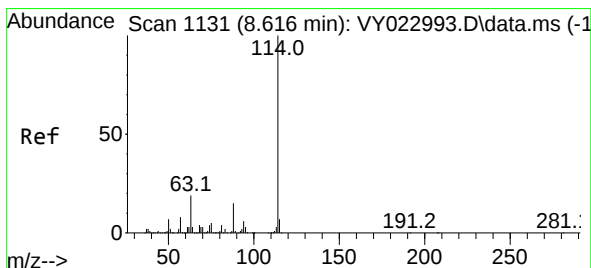
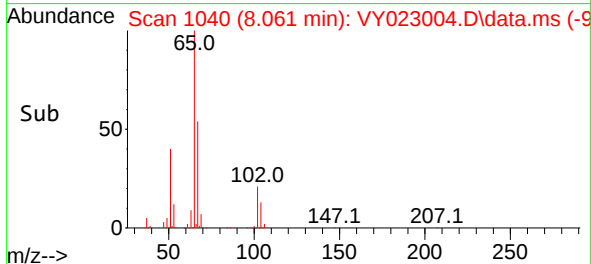
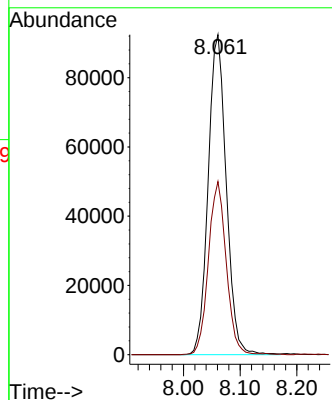
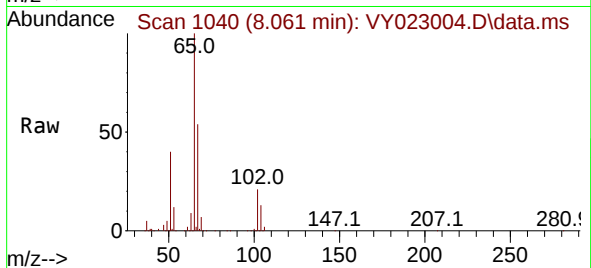
OU4-TS-34-071725

Tgt Ion: 65 Resp: 204686

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023004.D

Acq: 18 Jul 2025 17:46

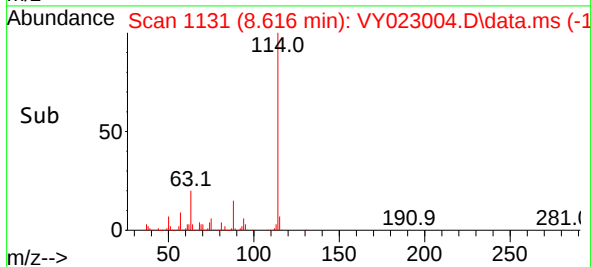
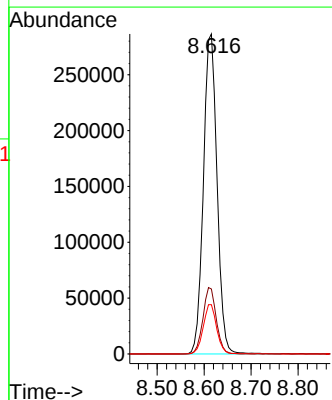
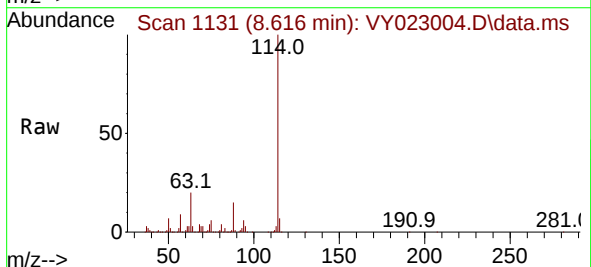
Tgt Ion: 114 Resp: 577540

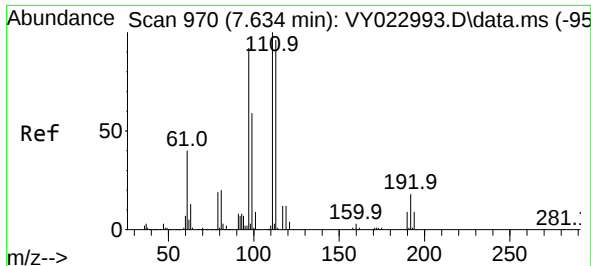
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.8

88 15.4 0.0 30.2

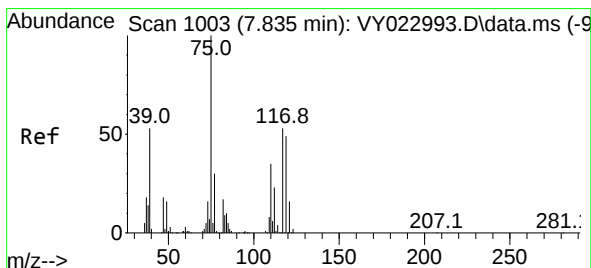
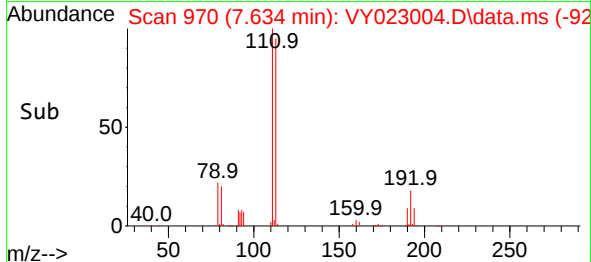
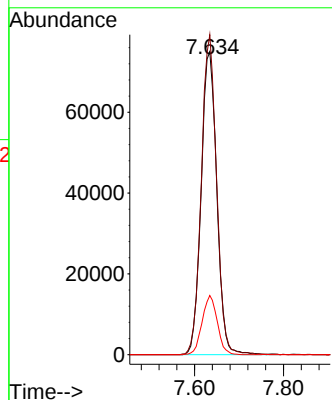
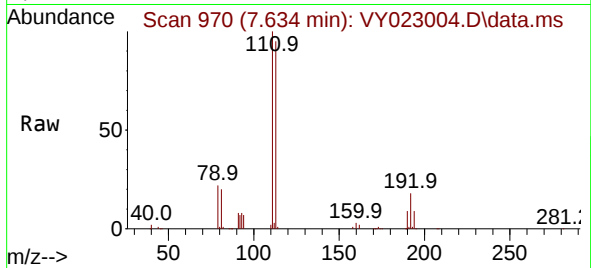




#35
Dibromofluoromethane
Concen: 50.351 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023004.D
Acq: 18 Jul 2025 17:46

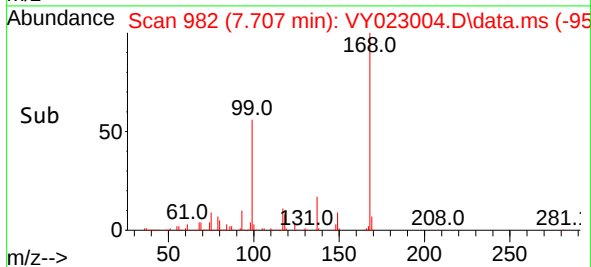
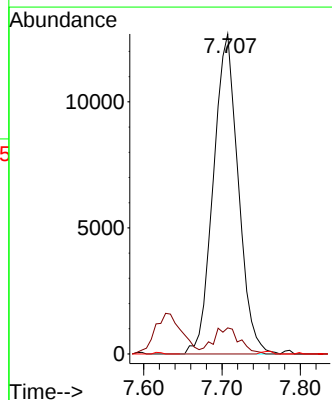
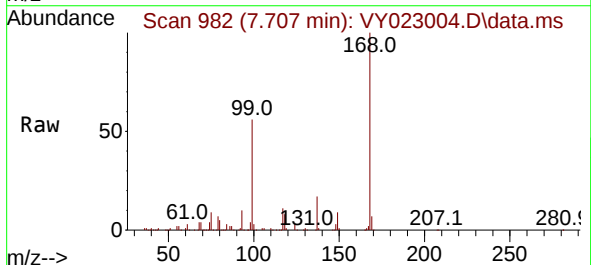
Instrument :
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ClientSampleId :
OU4-TS-34-071725

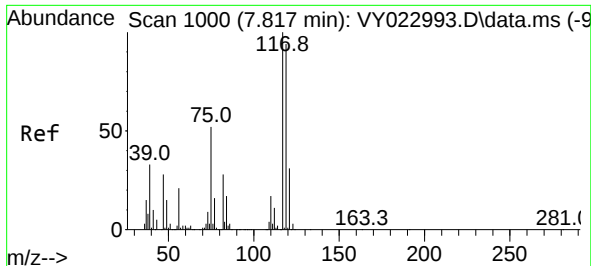
Tgt Ion:113 Resp: 184464
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 18.9 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.857 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023004.D
Acq: 18 Jul 2025 17:46

Tgt Ion: 75 Resp: 28029
Ion Ratio Lower Upper
75 100
110 8.7 17.3 51.9#
77 0.0 24.6 37.0#

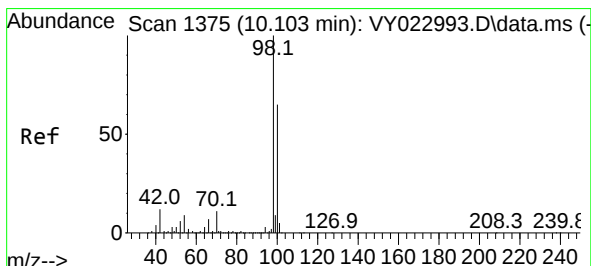
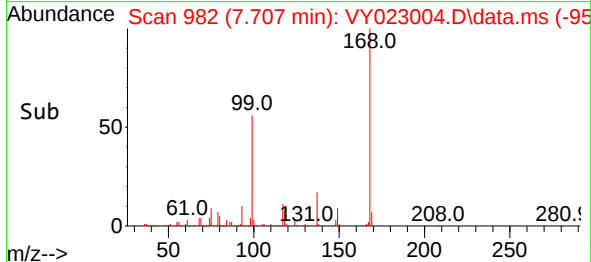
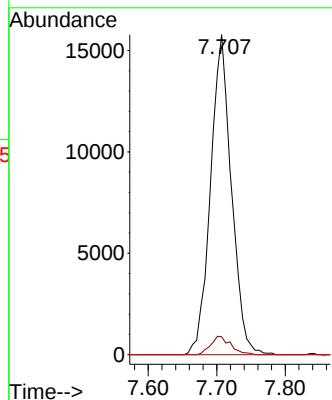
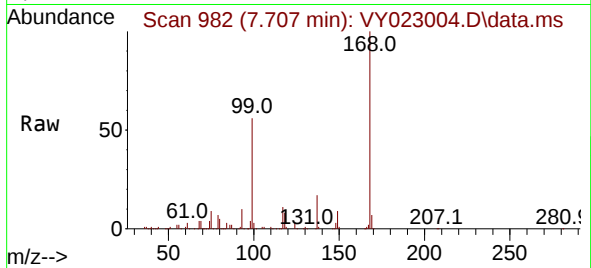




#38
Carbon Tetrachloride
Concen: 5.331 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023004.D
Acq: 18 Jul 2025 17:46

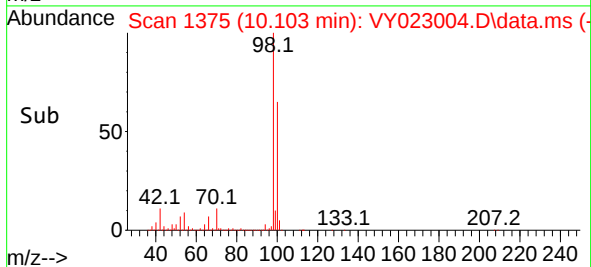
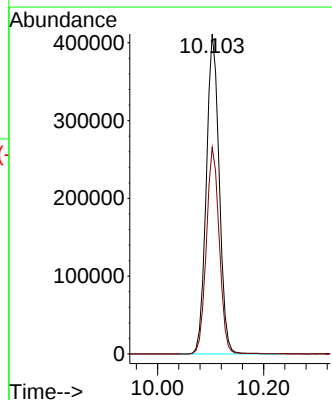
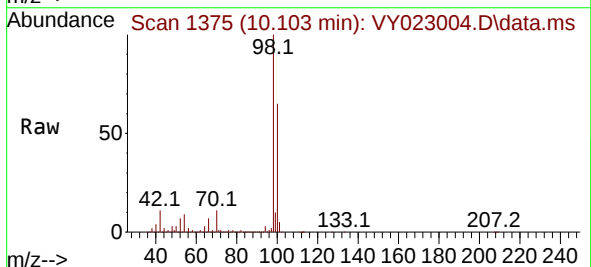
Instrument :
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ClientSampleId :
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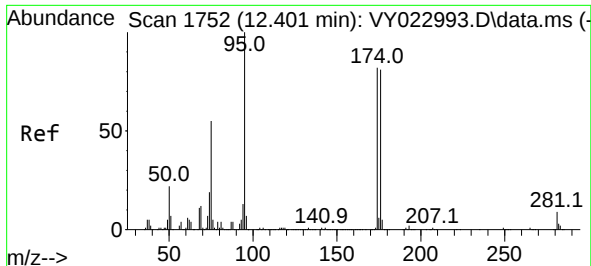
Tgt Ion:117 Resp: 33425
Ion Ratio Lower Upper
117 100
119 5.6 74.9 112.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 47.728 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023004.D
Acq: 18 Jul 2025 17:46

Tgt Ion: 98 Resp: 693410
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2

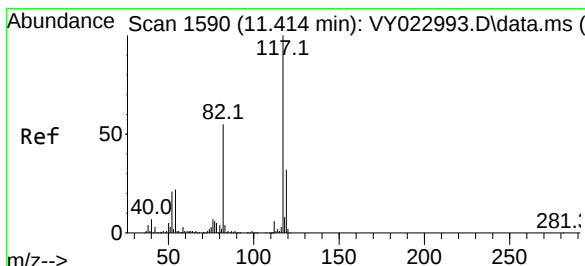
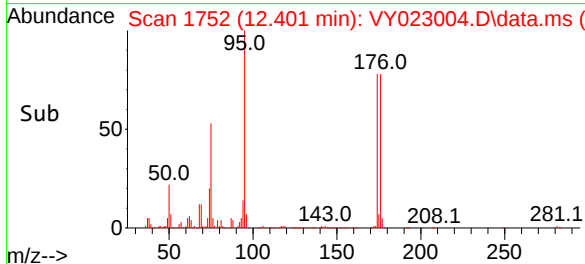
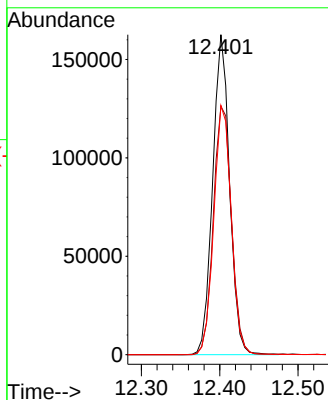
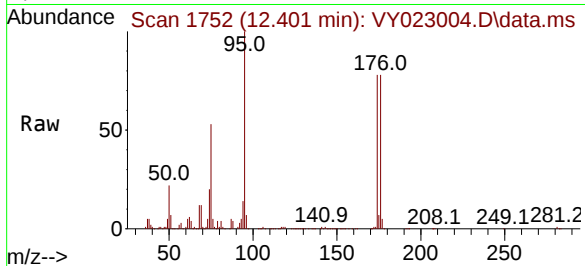




#62
4-Bromofluorobenzene
Concen: 53.442 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023004.D
Acq: 18 Jul 2025 17:46

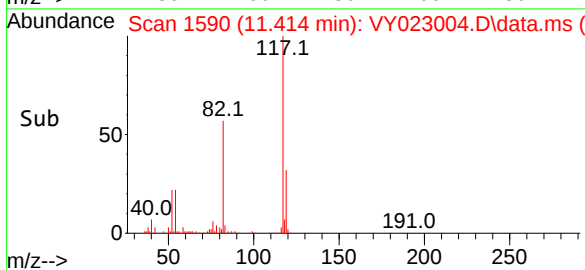
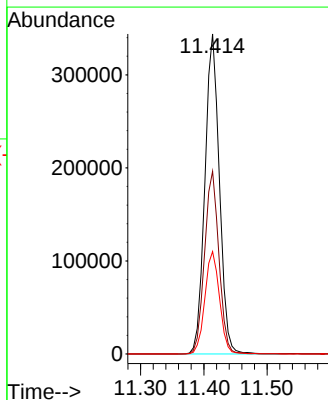
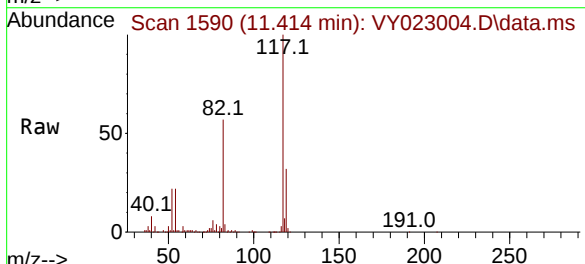
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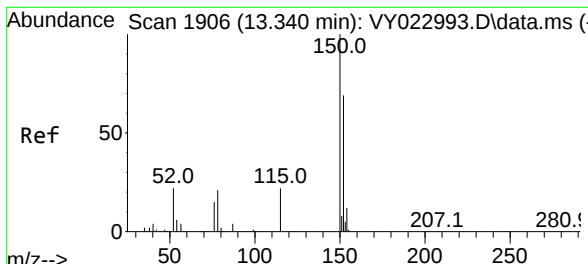
Tgt Ion: 95 Resp: 244402
Ion Ratio Lower Upper
95 100
174 83.0 0.0 170.8
176 80.6 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023004.D
Acq: 18 Jul 2025 17:46

Tgt Ion: 117 Resp: 548487
Ion Ratio Lower Upper
117 100
82 57.1 44.3 66.5
119 32.0 25.8 38.8

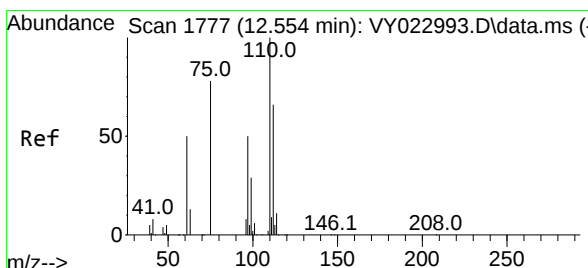
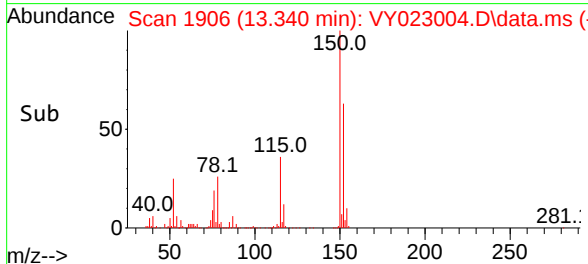
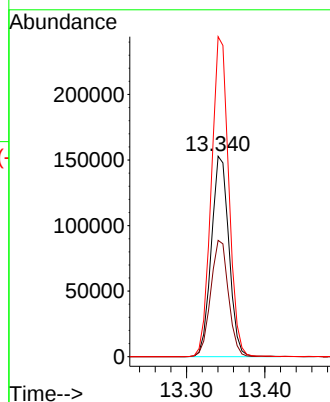
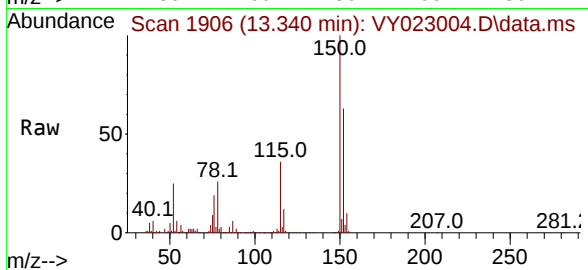




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VY023004.D
 Acq: 18 Jul 2025 17:46

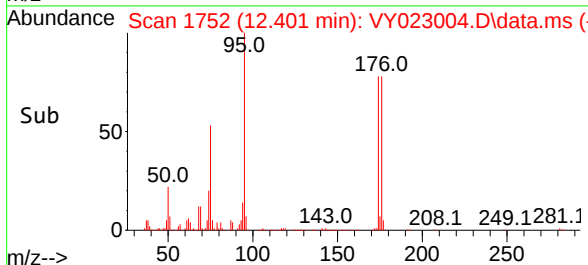
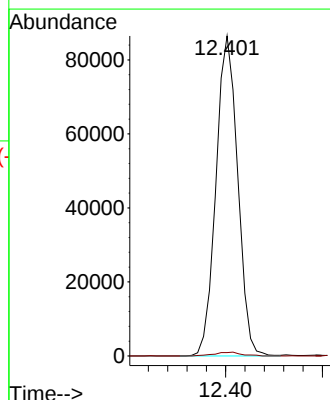
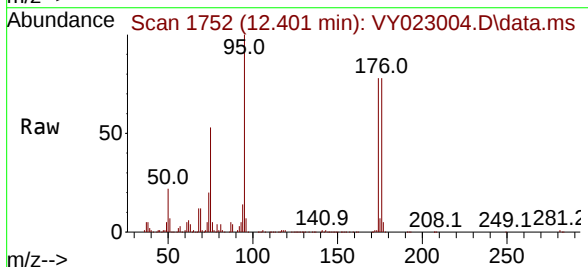
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-34-071725

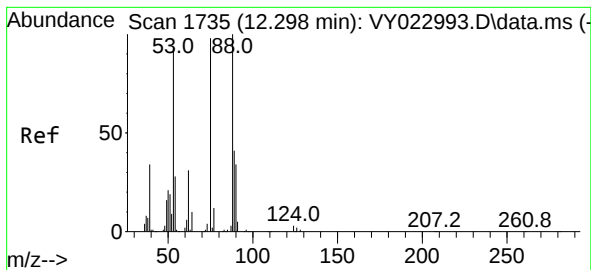
Tgt Ion:152 Resp: 238113
 Ion Ratio Lower Upper
 152 100
 115 58.5 29.4 88.2
 150 157.9 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 45.421 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023004.D
 Acq: 18 Jul 2025 17:46

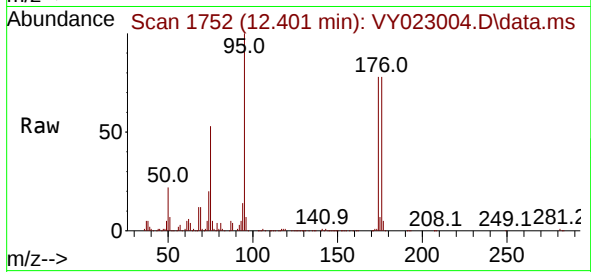
Tgt Ion: 75 Resp: 134766
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.283 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023004.D
 Acq: 18 Jul 2025 17:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-34-071725



Tgt Ion: 75 Resp: 134766
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.1 54.1#

