

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023022.D
 Acq On : 21 Jul 2025 13:26
 Operator : SY/MD
 Sample : Q2639-11
 Misc : 4.61g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-43-071725

Quant Time: Jul 22 04:50:51 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)

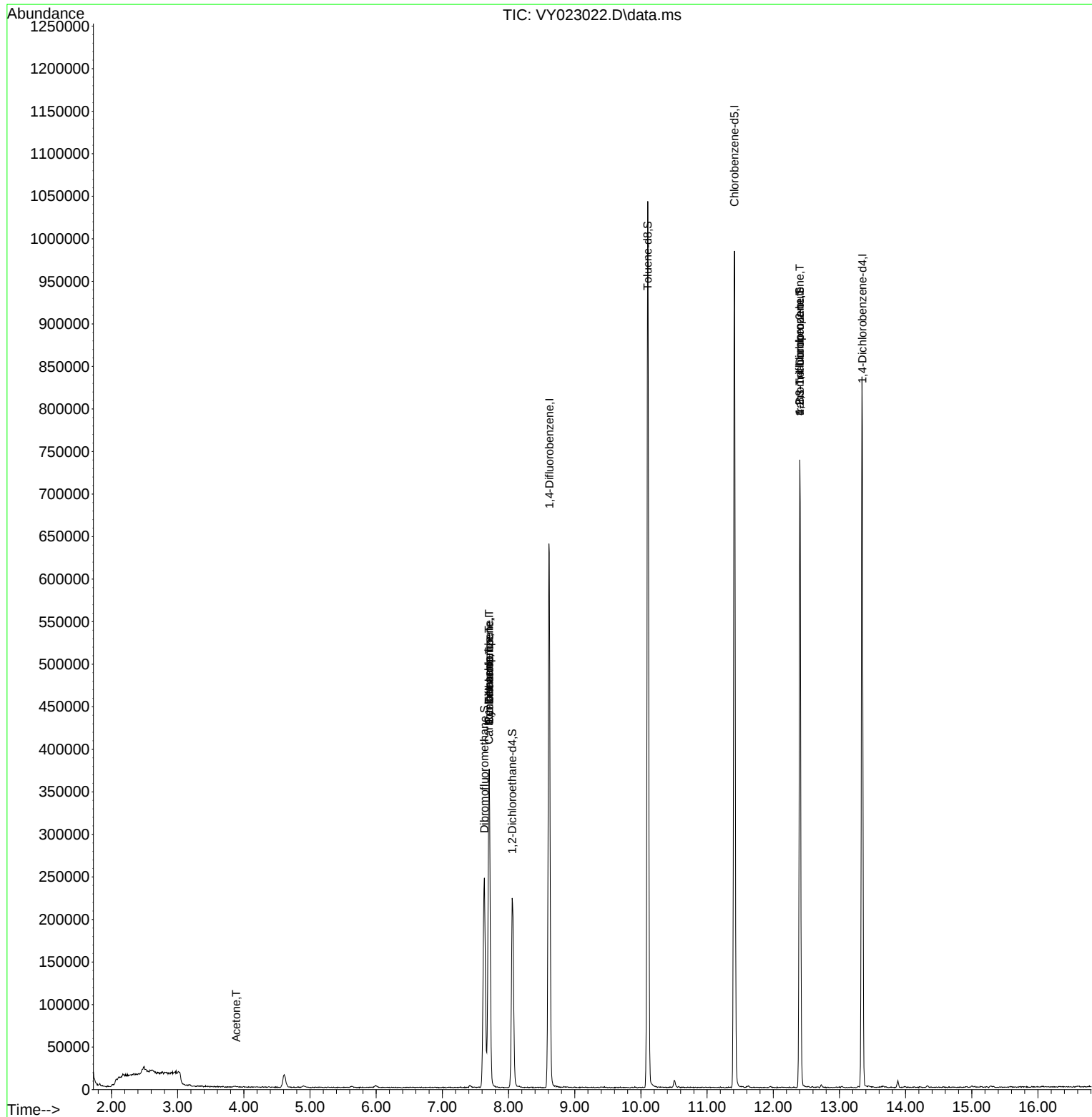
Internal Standards						
1) Pentafluorobenzene	7.707	168	283323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	535446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	514282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	206482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	178844	62.355	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.700%	
35) Dibromofluoromethane	7.634	113	173240	51.005	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.020%	
50) Toluene-d8	10.103	98	650773	48.315	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.640%	
62) 4-Bromofluorobenzene	12.401	95	216841	51.142	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.280%	
Target Compounds						Qvalue
16) Acetone	3.885	43	1541	2.964	ug/l #	75
20) Methylene Chloride	4.610	84	10815	Below Cal		97
31) Cyclohexane	7.707	56	6626	1.160	ug/l #	10
36) 1,1-Dichloropropene	7.707	75	24068	4.499	ug/l #	50
38) Carbon Tetrachloride	7.701	117	29081	5.003	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	118138	45.916	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	118138	136.758	ug/l #	12

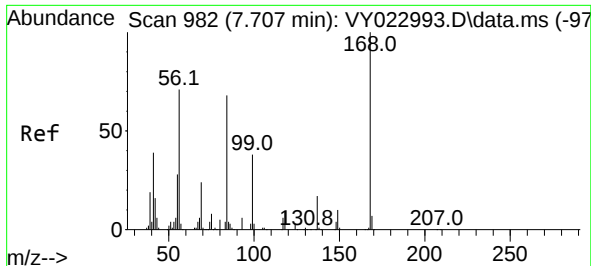
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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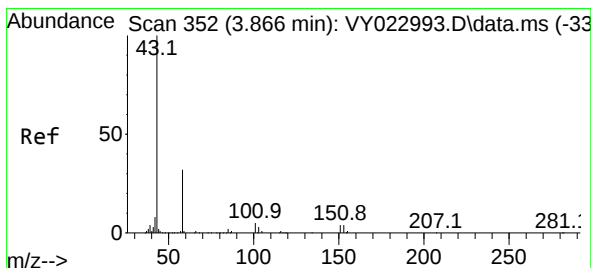
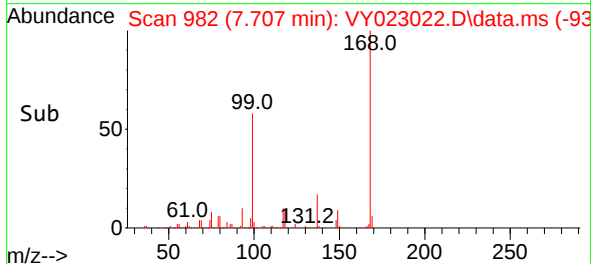
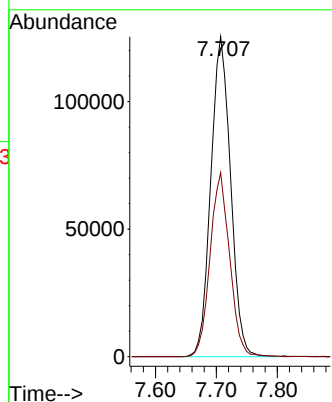
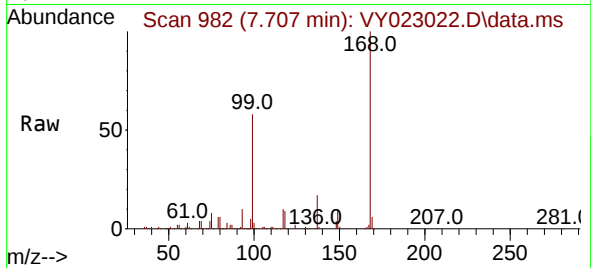




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023022.D
Acq: 21 Jul 2025 13:26

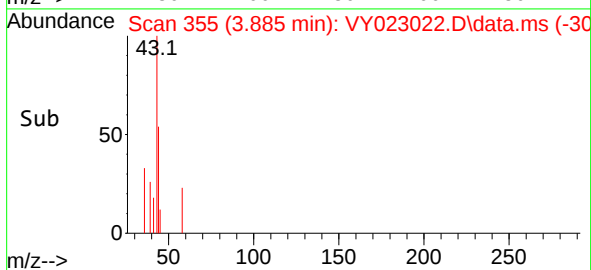
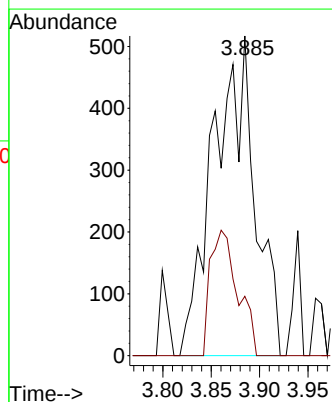
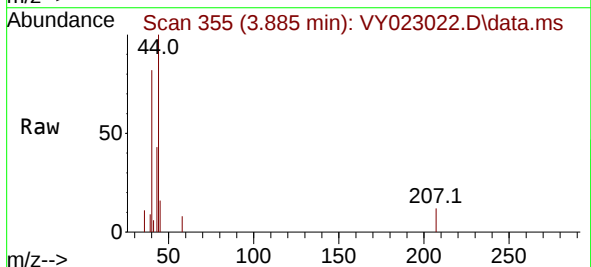
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-43-071725

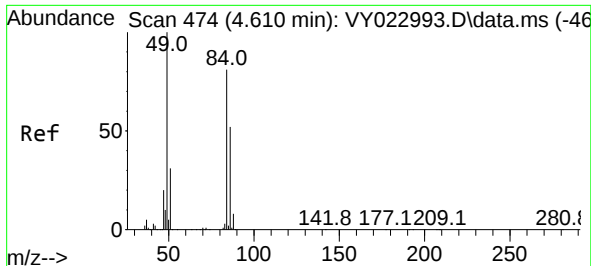
Tgt Ion:168 Resp: 283323
Ion Ratio Lower Upper
168 100
99 57.5 44.4 66.6



#16
Acetone
Concen: 2.964 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.018 min
Lab File: VY023022.D
Acq: 21 Jul 2025 13:26

Tgt Ion: 43 Resp: 1541
Ion Ratio Lower Upper
43 100
58 18.6 26.2 39.4#

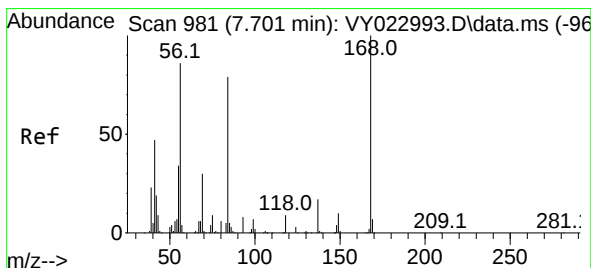
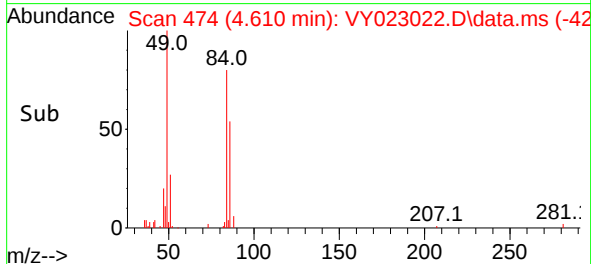
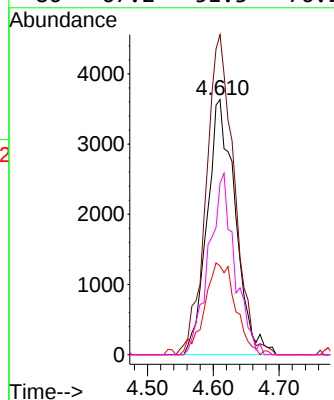
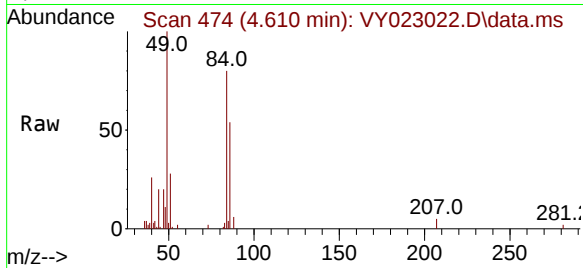




#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023022.D
Acq: 21 Jul 2025 13:26

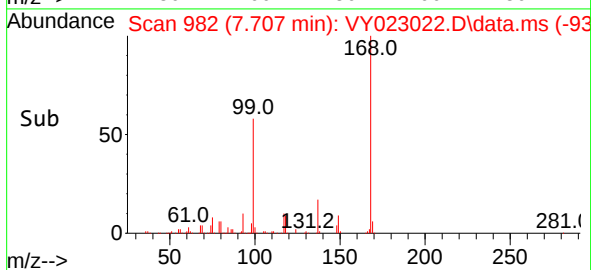
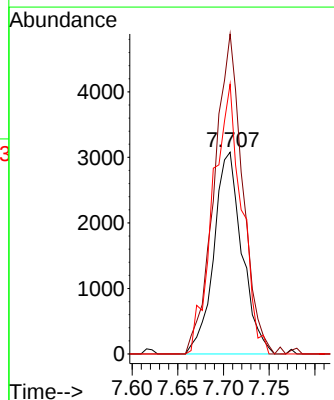
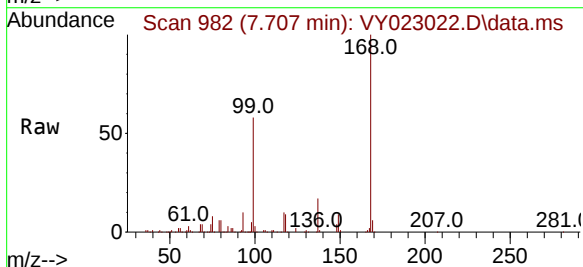
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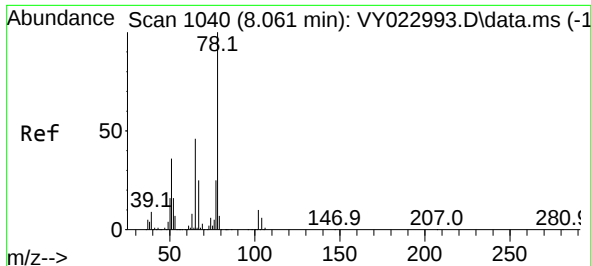
Tgt Ion:	84	Resp:	10815
Ion	Ratio	Lower	Upper
84	100		
49	125.5	98.2	147.4
51	34.8	30.5	45.7
86	67.2	51.3	76.9



#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023022.D
Acq: 21 Jul 2025 13:26

Tgt Ion:	56	Resp:	6626
Ion	Ratio	Lower	Upper
56	100		
69	158.6	28.1	42.1#
84	133.7	73.5	110.3#





#33

1,2-Dichloroethane-d4

Concen: 62.355 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY023022.D

Acq: 21 Jul 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

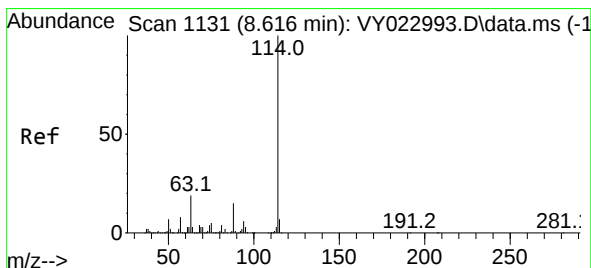
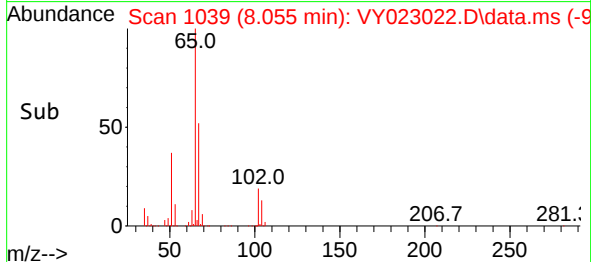
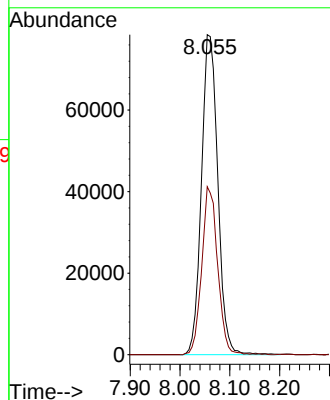
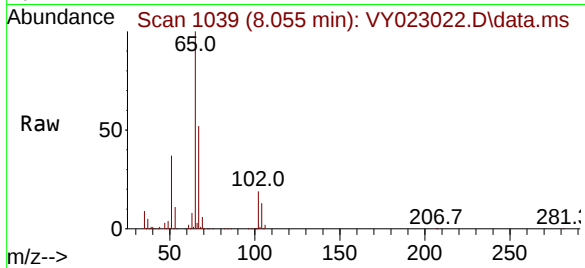
OU4-TS-43-071725

Tgt Ion: 65 Resp: 178844

Ion Ratio Lower Upper

65 100

67 51.0 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: VY023022.D

Acq: 21 Jul 2025 13:26

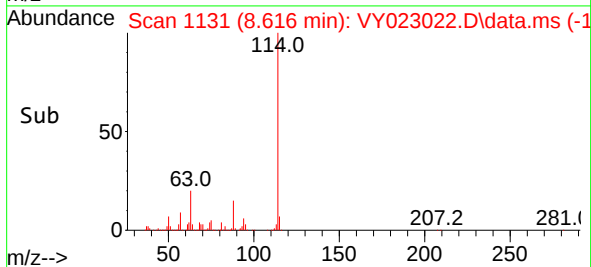
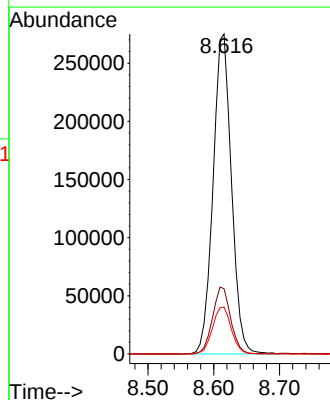
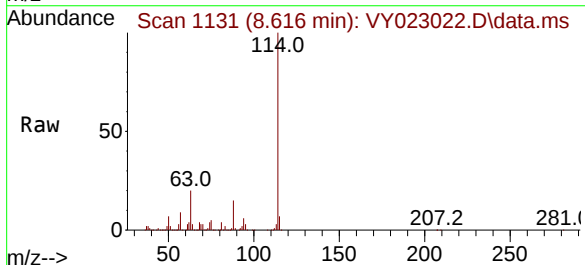
Tgt Ion: 114 Resp: 535446

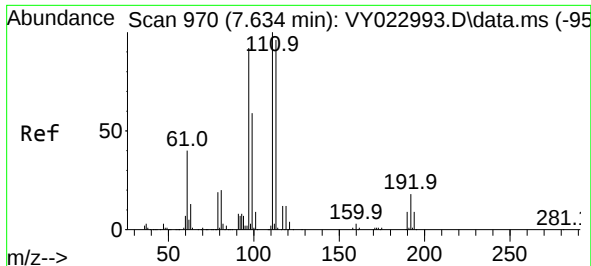
Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.8

88 14.6 0.0 30.2

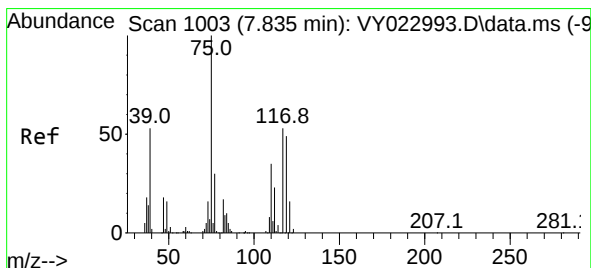
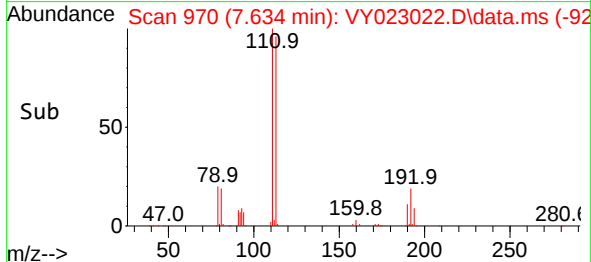
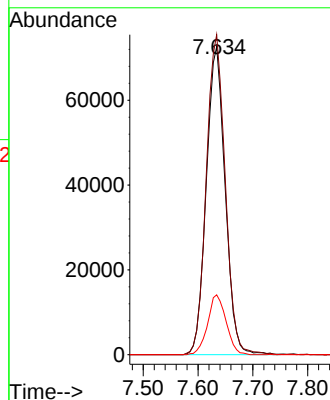
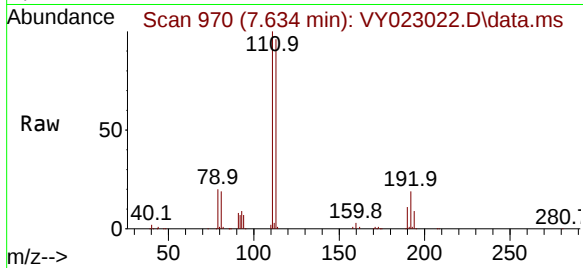




#35
Dibromofluoromethane
Concen: 51.005 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023022.D
Acq: 21 Jul 2025 13:26

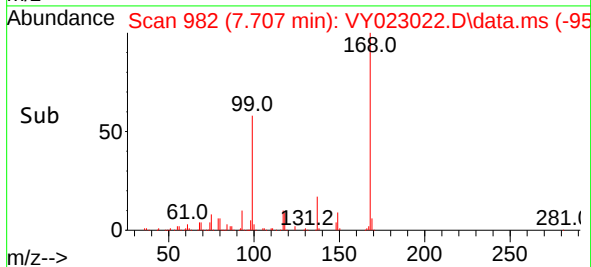
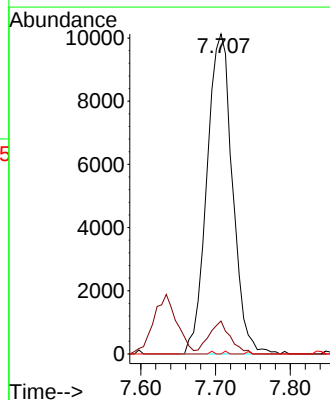
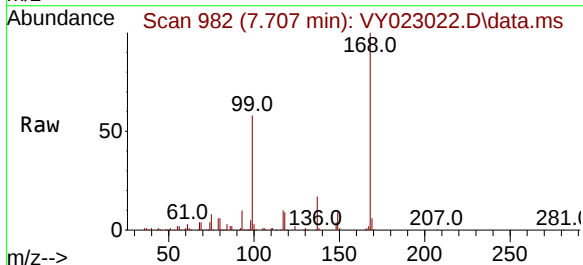
Instrument :
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ClientSampleId :
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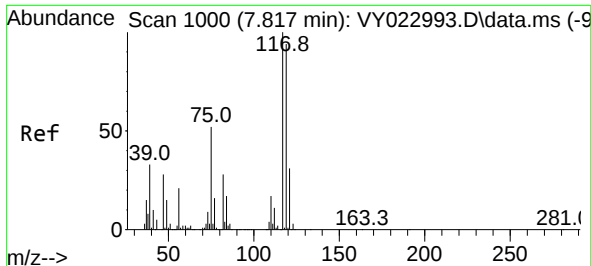
Tgt Ion:113 Resp: 173240
Ion Ratio Lower Upper
113 100
111 104.3 83.2 124.8
192 19.0 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.499 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023022.D
Acq: 21 Jul 2025 13:26

Tgt Ion: 75 Resp: 24068
Ion Ratio Lower Upper
75 100
110 8.6 17.3 51.9#
77 0.1 24.6 37.0#

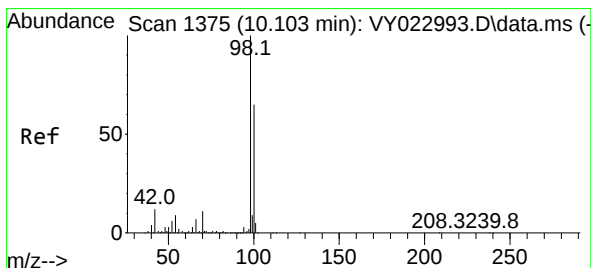
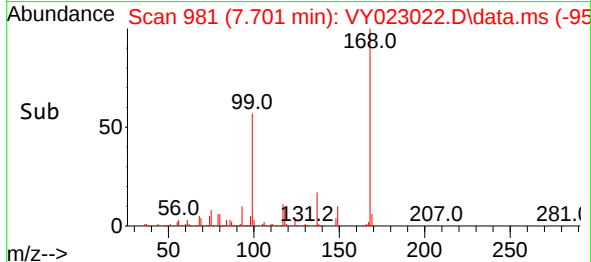
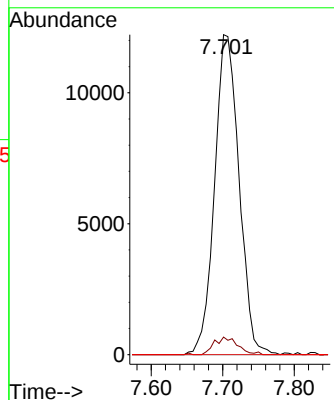
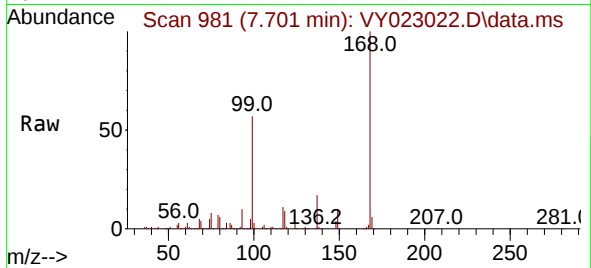




#38
Carbon Tetrachloride
Concen: 5.003 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY023022.D
Acq: 21 Jul 2025 13:26

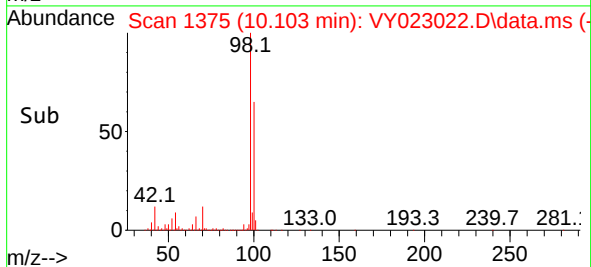
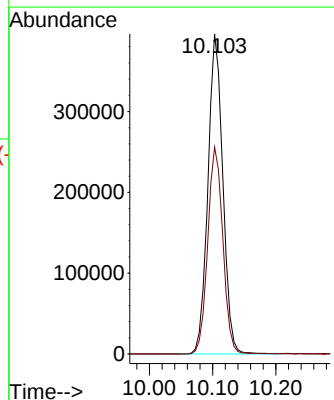
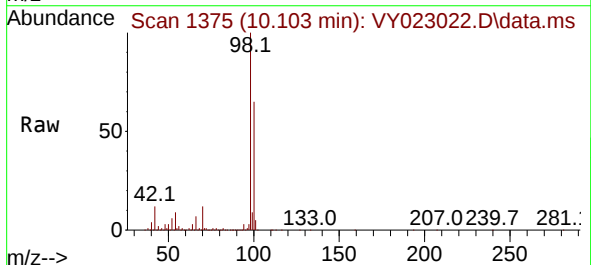
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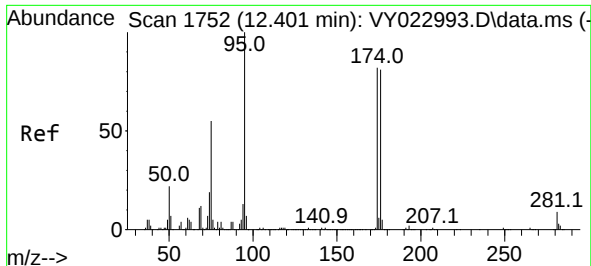
Tgt Ion:117 Resp: 29081
Ion Ratio Lower Upper
117 100
119 5.5 74.9 112.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 48.315 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023022.D
Acq: 21 Jul 2025 13:26

Tgt Ion: 98 Resp: 650773
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2

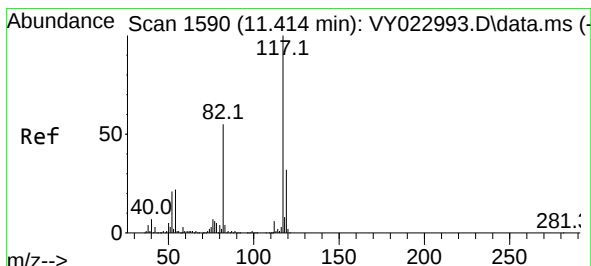
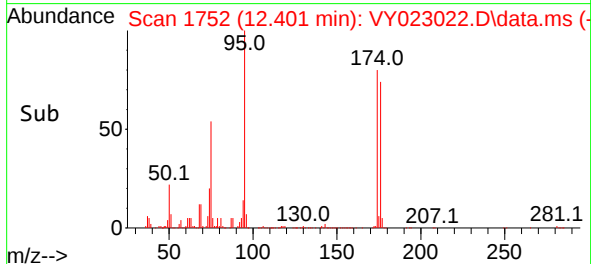
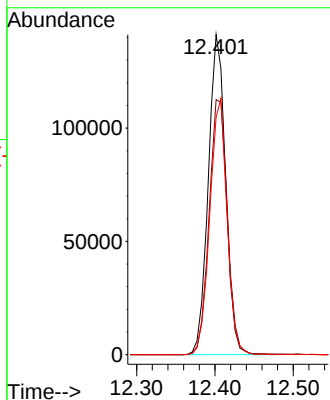
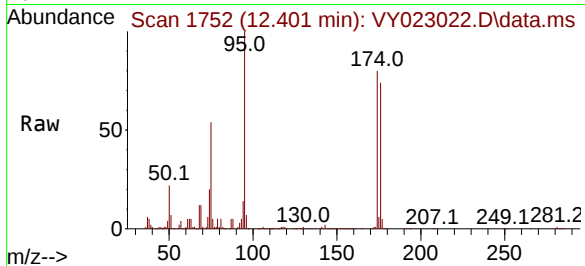




#62
4-Bromofluorobenzene
Concen: 51.142 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023022.D
Acq: 21 Jul 2025 13:26

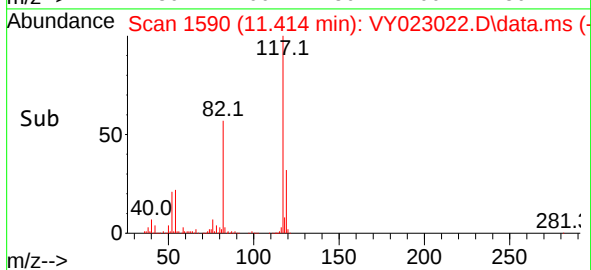
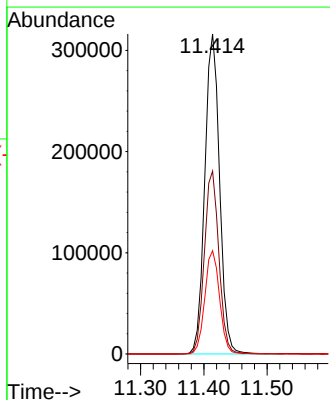
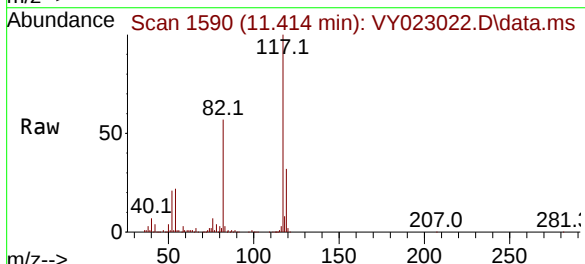
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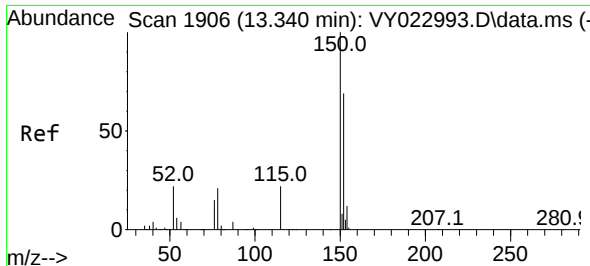
Tgt Ion: 95 Resp: 216841
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.8
176 79.7 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023022.D
Acq: 21 Jul 2025 13:26

Tgt Ion: 117 Resp: 514282
Ion Ratio Lower Upper
117 100
82 57.1 44.3 66.5
119 32.2 25.8 38.8

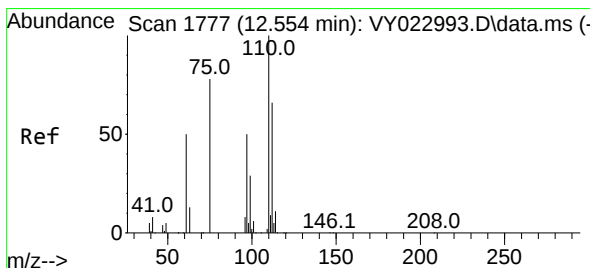
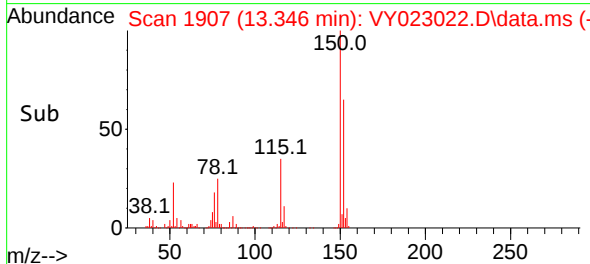
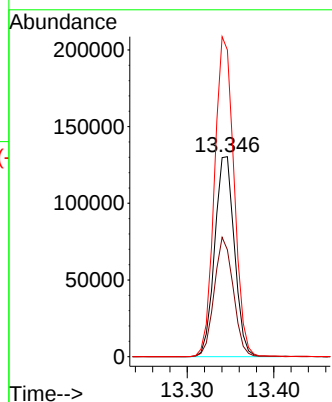
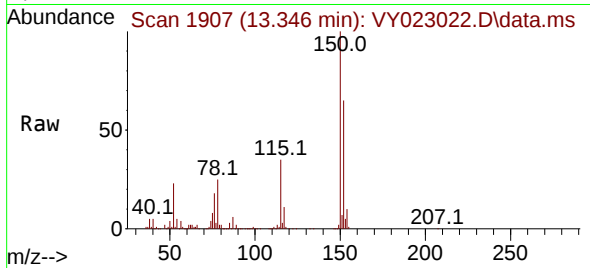




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. 0.006 min
 Lab File: VY023022.D
 Acq: 21 Jul 2025 13:26

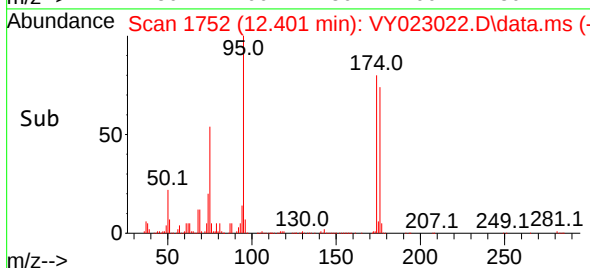
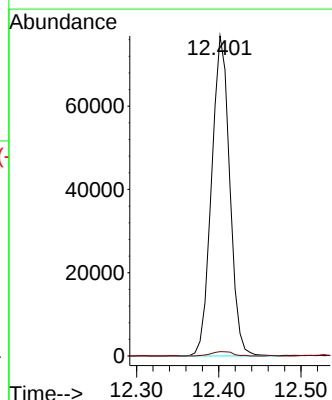
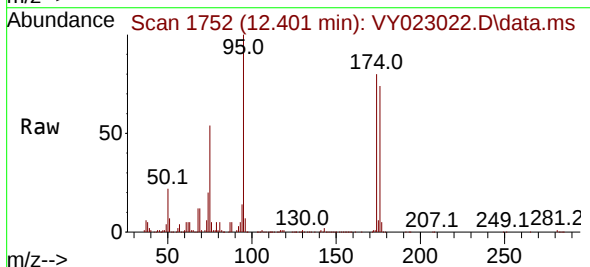
Instrument :
 MSVOA_Y
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 OU4-TS-43-071725

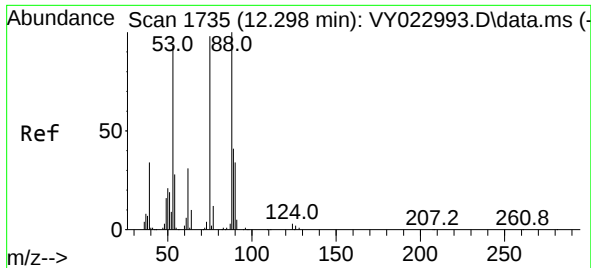
Tgt Ion:152 Resp: 206482
 Ion Ratio Lower Upper
 152 100
 115 57.6 29.4 88.2
 150 158.2 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 45.916 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023022.D
 Acq: 21 Jul 2025 13:26

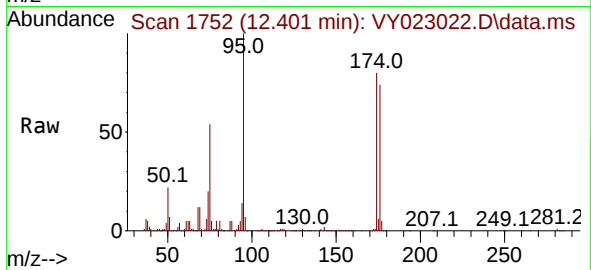
Tgt Ion: 75 Resp: 118138
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.758 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023022.D
 Acq: 21 Jul 2025 13:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-43-071725



Tgt Ion: 75 Resp: 118138
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.1 54.1#

