

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023007.D
 Acq On : 18 Jul 2025 18:55
 Operator : SY/MD
 Sample : Q2638-13
 Misc : 4.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-37-071725

Quant Time: Jul 19 02:15:06 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)

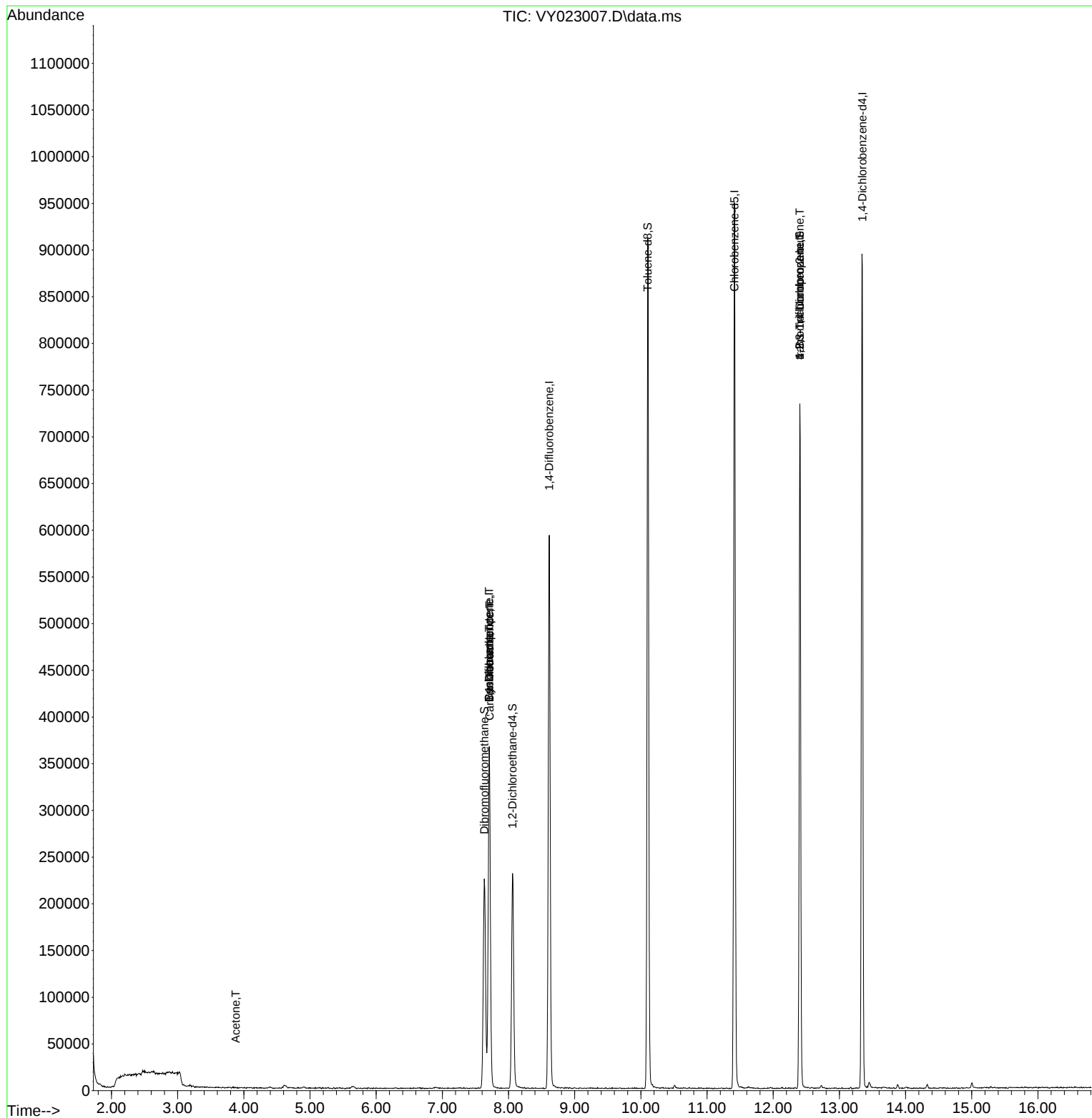
Internal Standards						
1) Pentafluorobenzene	7.707	168	273104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	492239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	483678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	226795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	183175	66.254	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.500%	
35) Dibromofluoromethane	7.634	113	161587	51.750	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.500%	
50) Toluene-d8	10.103	98	587925	47.481	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.960%	
62) 4-Bromofluorobenzene	12.401	95	215460	55.277	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.560%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	557	1.111	ug/l #	42
20) Methylene Chloride	4.616	84	2294	Below Cal	#	75
31) Cyclohexane	7.707	56	6653	1.209	ug/l #	5
36) 1,1-Dichloropropene	7.707	75	22851	4.646	ug/l #	51
38) Carbon Tetrachloride	7.713	117	26790	5.014	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	120270	42.558	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	120270	126.756	ug/l #	12

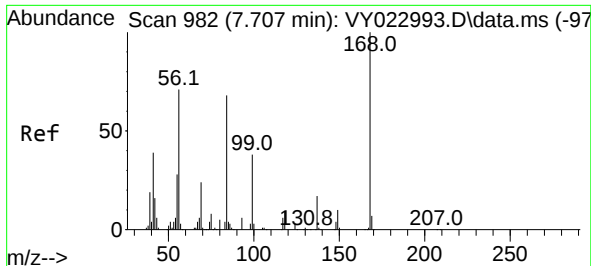
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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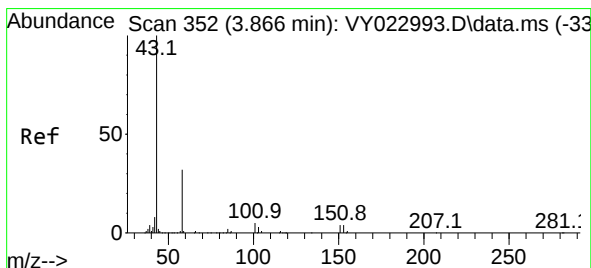
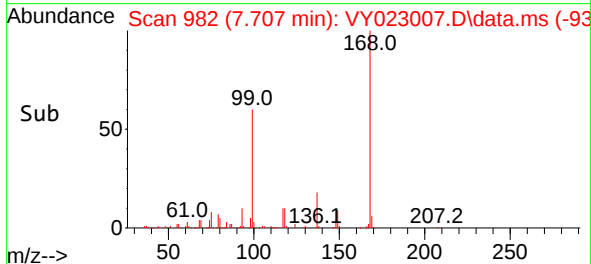
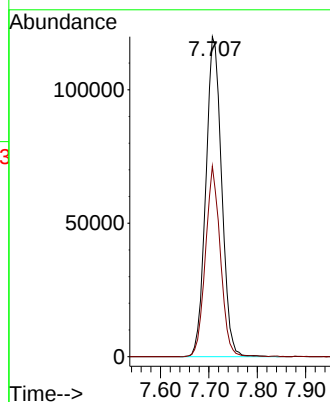
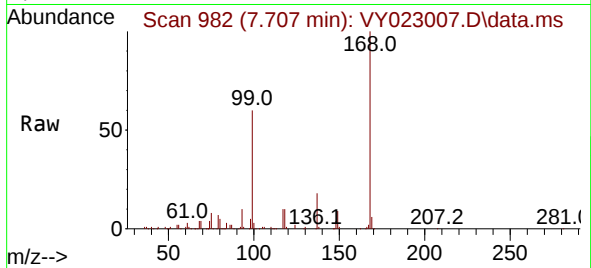




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023007.D
Acq: 18 Jul 2025 18:55

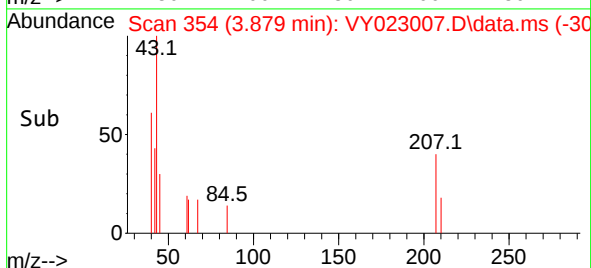
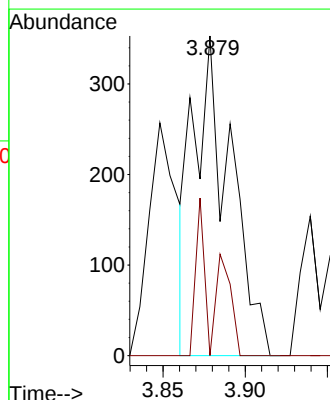
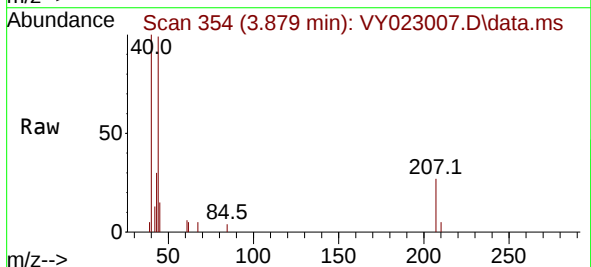
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-37-071725

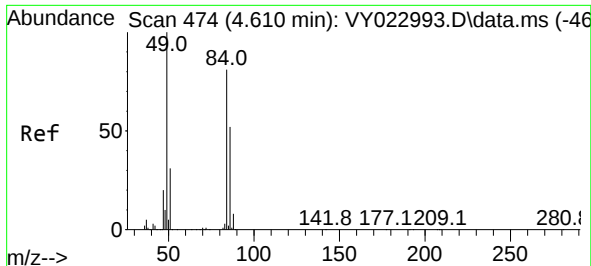
Tgt Ion:168 Resp: 273104
Ion Ratio Lower Upper
168 100
99 59.5 44.4 66.6



#16
Acetone
Concen: 1.111 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023007.D
Acq: 18 Jul 2025 18:55

Tgt Ion: 43 Resp: 557
Ion Ratio Lower Upper
43 100
58 0.0 26.2 39.4#

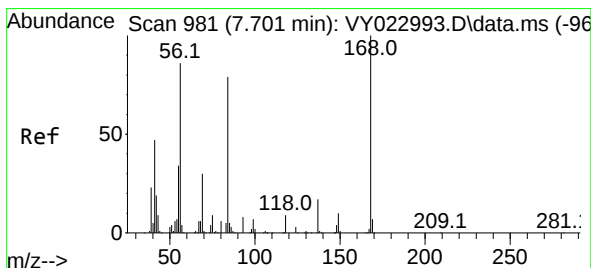
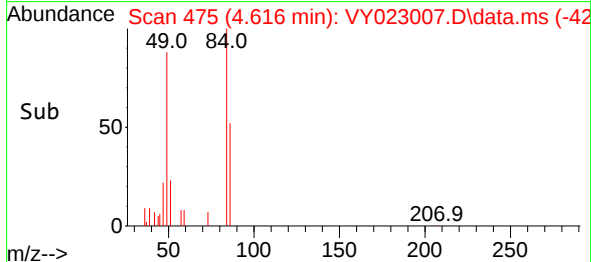
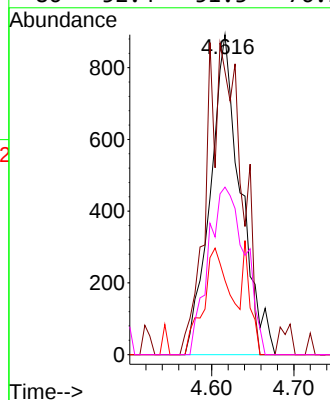
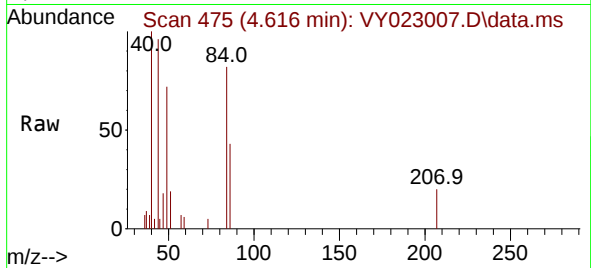




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023007.D
Acq: 18 Jul 2025 18:55

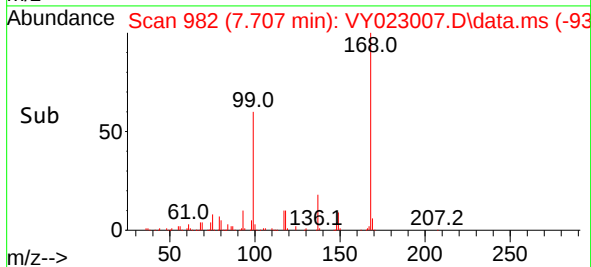
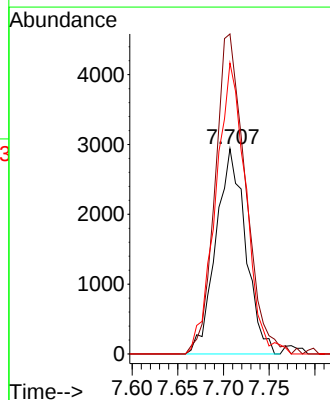
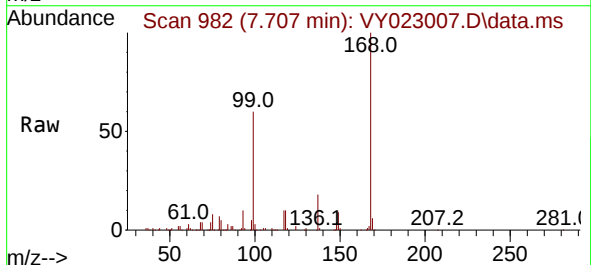
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-37-071725

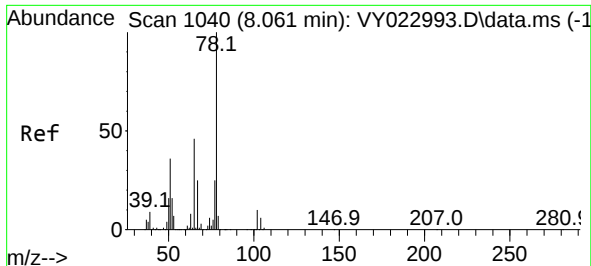
Tgt Ion:	84	Resp:	2294
Ion	Ratio	Lower	Upper
84	100		
49	88.5	98.2	147.4#
51	23.2	30.5	45.7#
86	52.4	51.3	76.9



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023007.D
Acq: 18 Jul 2025 18:55

Tgt Ion:	56	Resp:	6653
Ion	Ratio	Lower	Upper
56	100		
69	155.8	28.1	42.1#
84	141.6	73.5	110.3#





#33

1,2-Dichloroethane-d4

Concen: 66.254 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023007.D

Acq: 18 Jul 2025 18:55

Instrument :

MSVOA_Y

ClientSampleId :

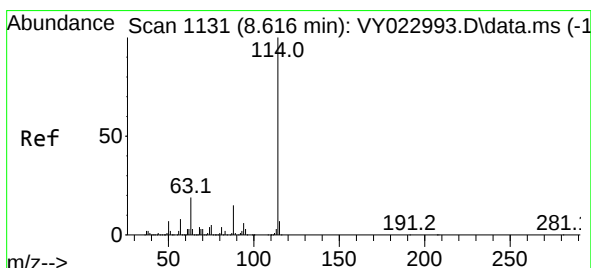
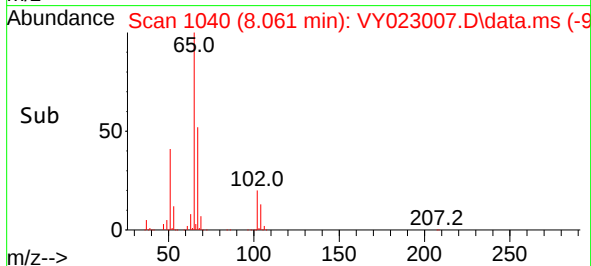
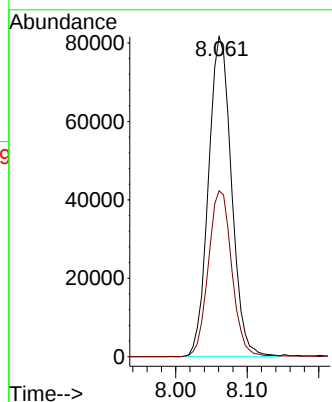
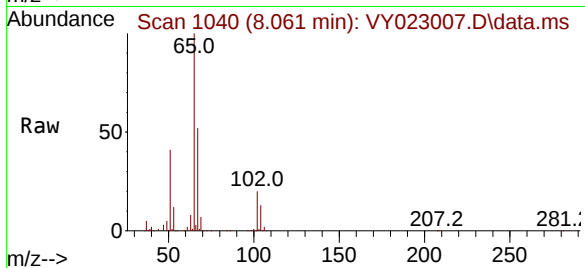
OU4-TS-37-071725

Tgt Ion: 65 Resp: 183175

Ion Ratio Lower Upper

65 100

67 52.8 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: VY023007.D

Acq: 18 Jul 2025 18:55

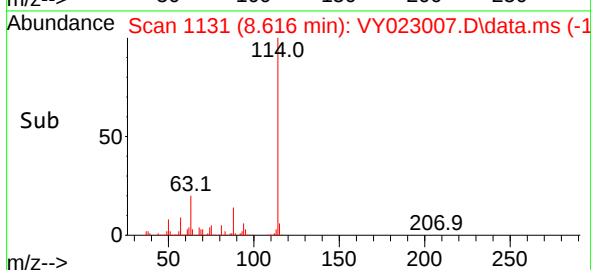
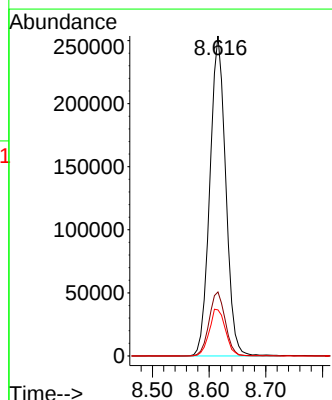
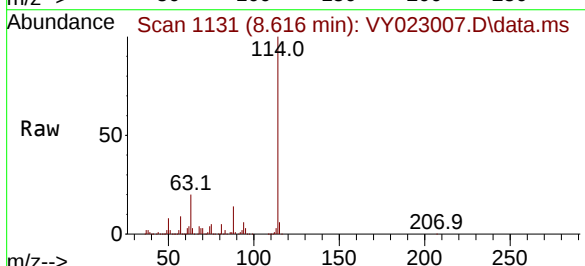
Tgt Ion: 114 Resp: 492239

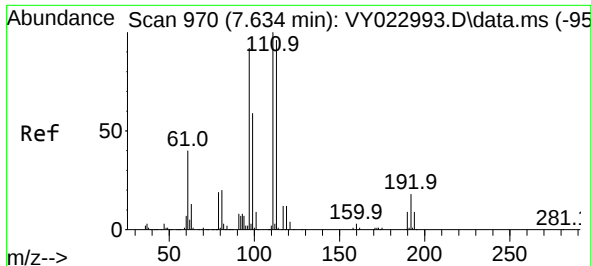
Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.8

88 14.4 0.0 30.2

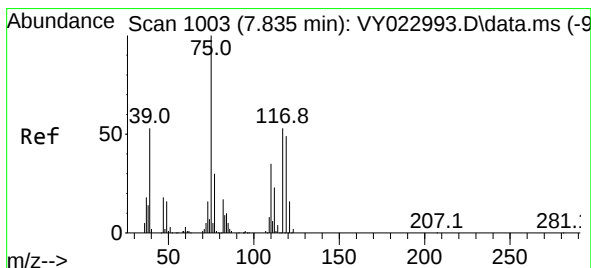
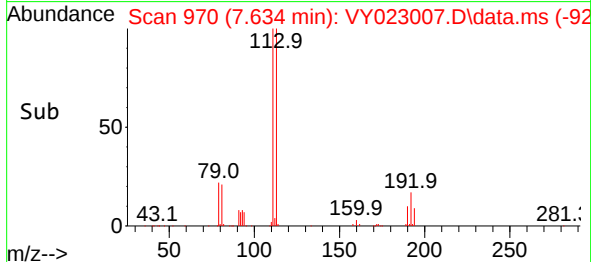
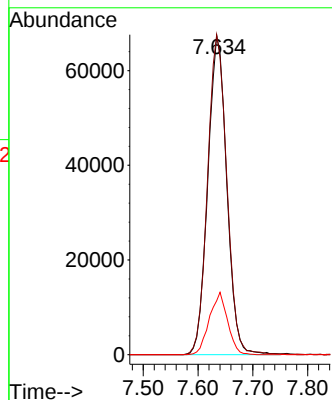
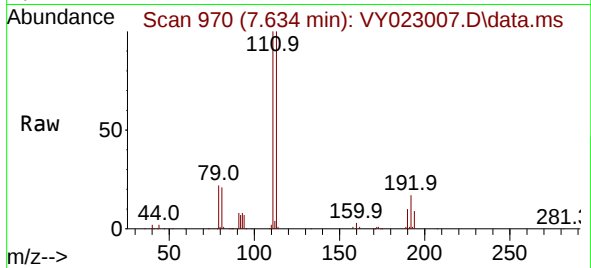




#35
Dibromofluoromethane
Concen: 51.750 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023007.D
Acq: 18 Jul 2025 18:55

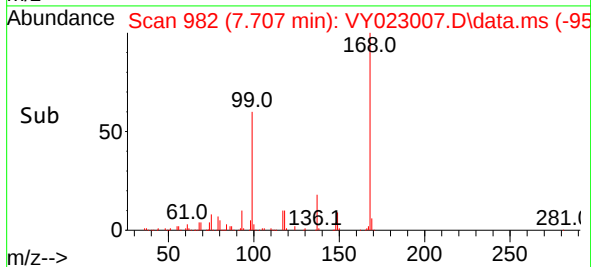
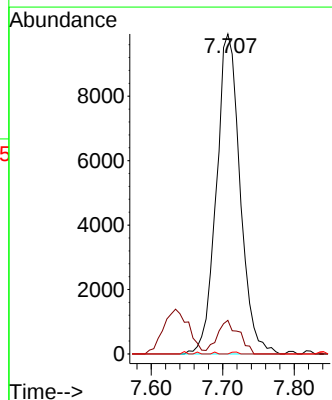
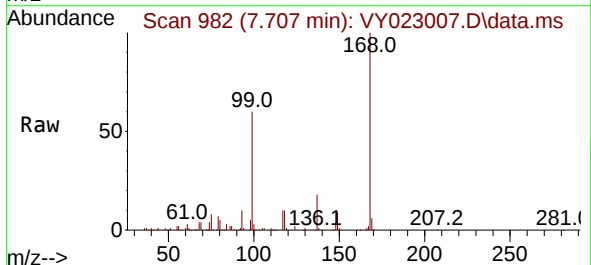
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-37-071725

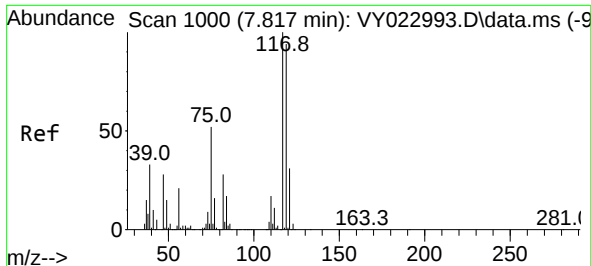
Tgt Ion:113 Resp: 161587
Ion Ratio Lower Upper
113 100
111 101.9 83.2 124.8
192 18.8 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.646 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023007.D
Acq: 18 Jul 2025 18:55

Tgt Ion: 75 Resp: 22851
Ion Ratio Lower Upper
75 100
110 9.5 17.3 51.9#
77 0.2 24.6 37.0#

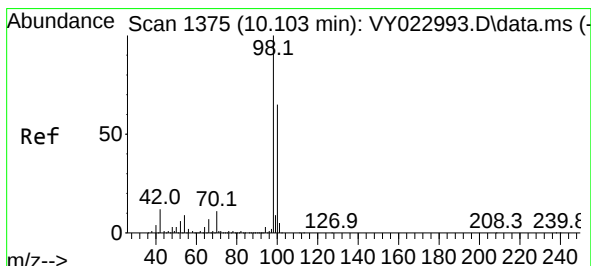
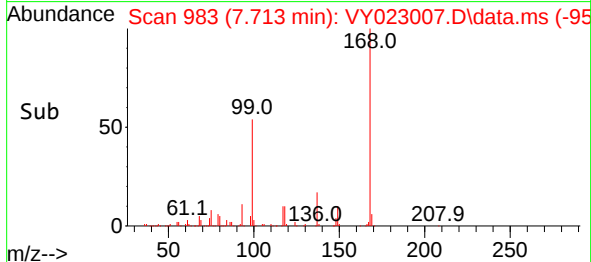
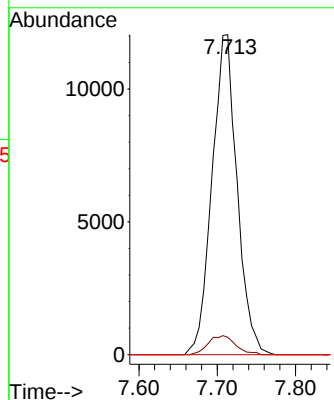
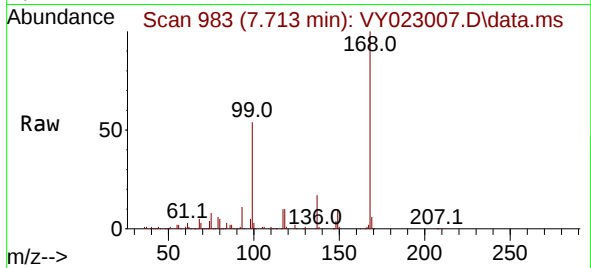




#38
Carbon Tetrachloride
Concen: 5.014 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023007.D
Acq: 18 Jul 2025 18:55

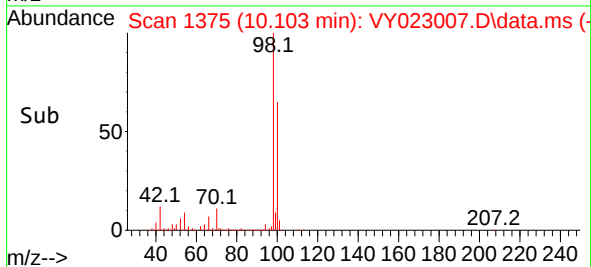
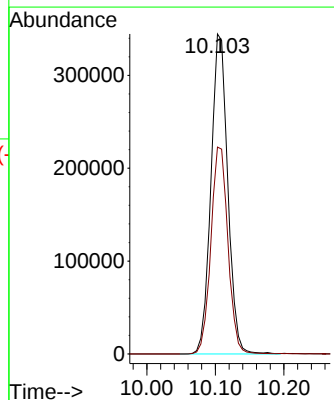
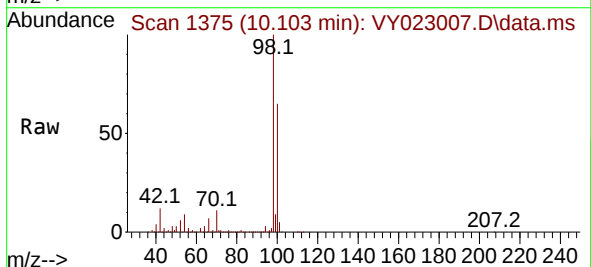
Instrument :
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ClientSampleId :
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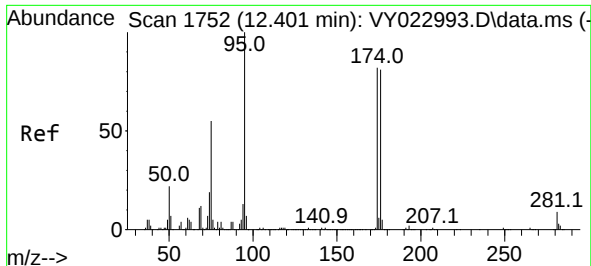
Tgt Ion:117 Resp: 26790
Ion Ratio Lower Upper
117 100
119 5.5 74.9 112.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 47.481 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023007.D
Acq: 18 Jul 2025 18:55

Tgt Ion: 98 Resp: 587925
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2

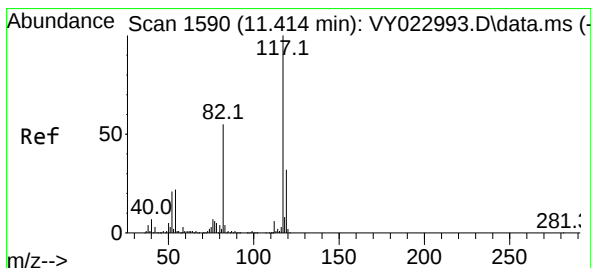
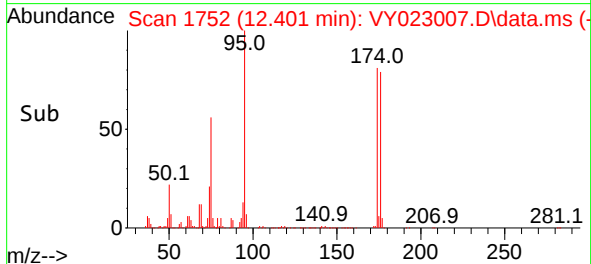
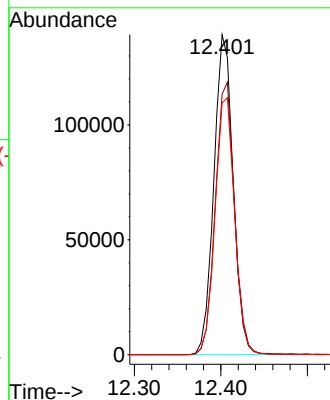
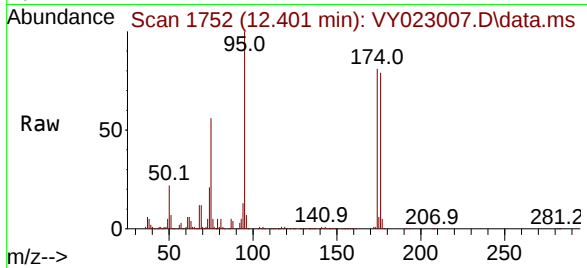




#62
4-Bromofluorobenzene
Concen: 55.277 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023007.D
Acq: 18 Jul 2025 18:55

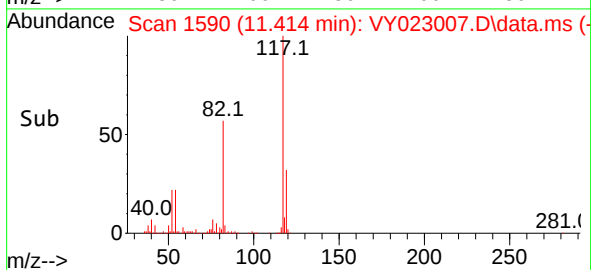
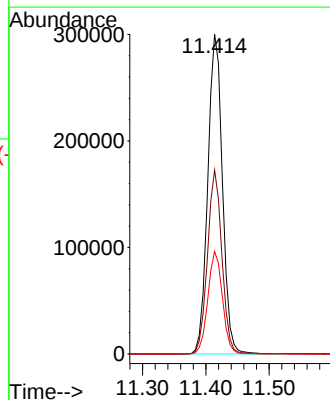
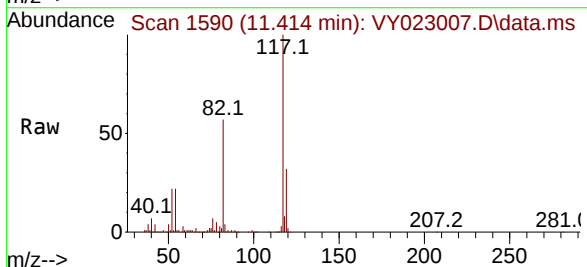
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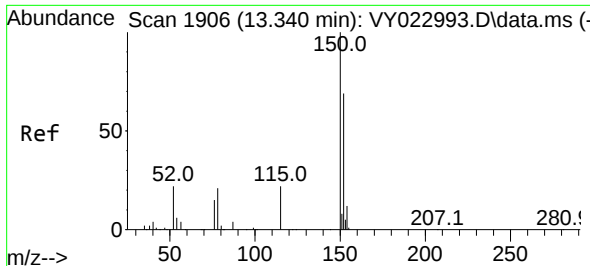
Tgt Ion: 95 Resp: 215460
Ion Ratio Lower Upper
95 100
174 85.1 0.0 170.8
176 81.5 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023007.D
Acq: 18 Jul 2025 18:55

Tgt Ion: 117 Resp: 483678
Ion Ratio Lower Upper
117 100
82 57.5 44.3 66.5
119 32.0 25.8 38.8

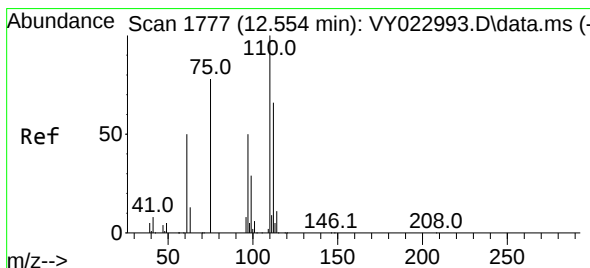
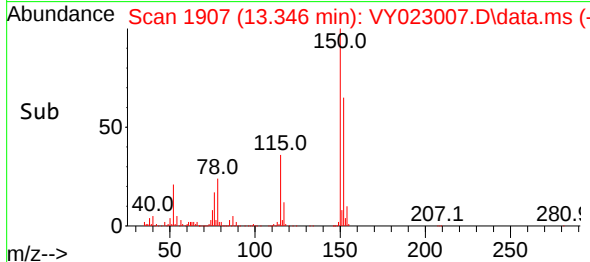
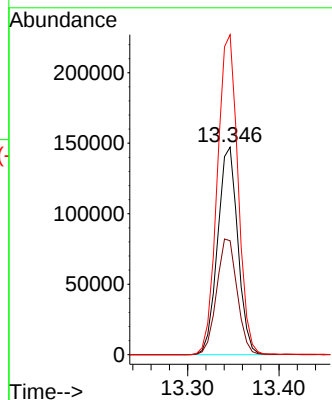
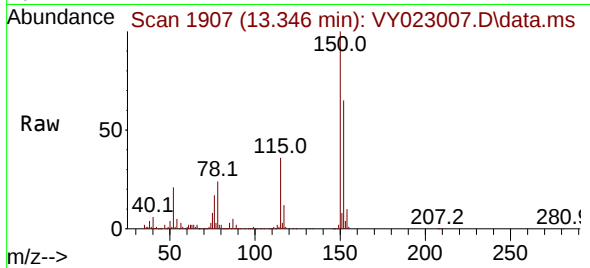




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. 0.006 min
 Lab File: VY023007.D
 Acq: 18 Jul 2025 18:55

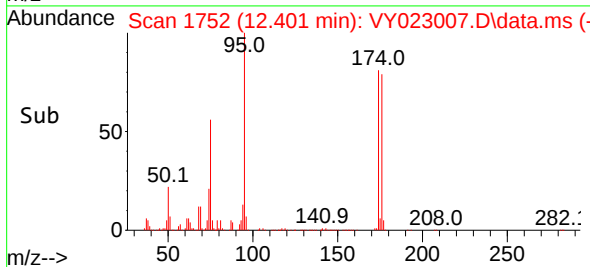
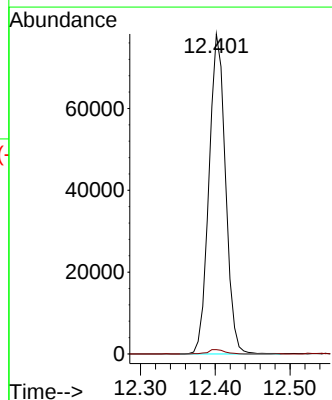
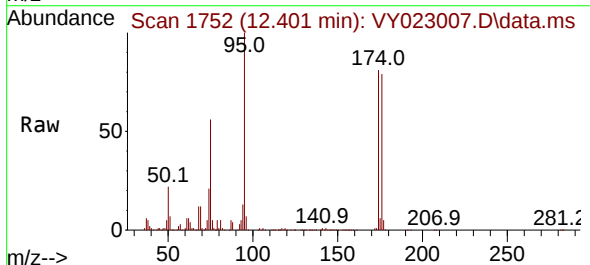
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-37-071725

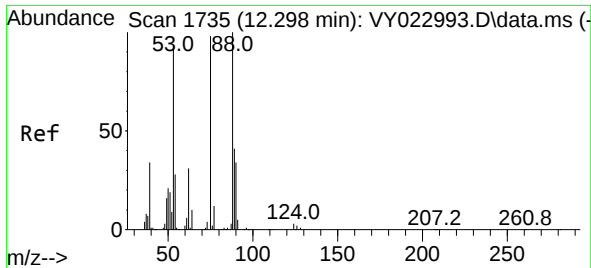
Tgt Ion:152 Resp: 226795
 Ion Ratio Lower Upper
 152 100
 115 56.7 29.4 88.2
 150 157.1 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 42.558 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023007.D
 Acq: 18 Jul 2025 18:55

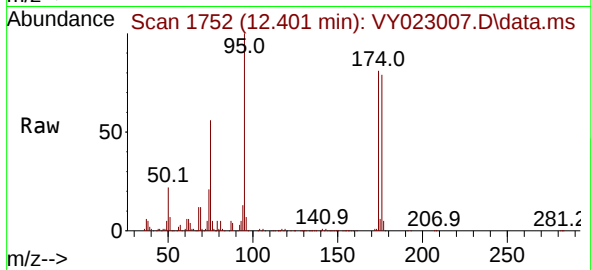
Tgt Ion: 75 Resp: 120270
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.756 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023007.D
 Acq: 18 Jul 2025 18:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-37-071725



Tgt Ion: 75 Resp: 120270
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.1 54.1#

