

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023001.D
 Acq On : 18 Jul 2025 16:38
 Operator : SY/MD
 Sample : Q2638-01
 Misc : 4.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-31-071725

Quant Time: Jul 19 02:12:59 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)

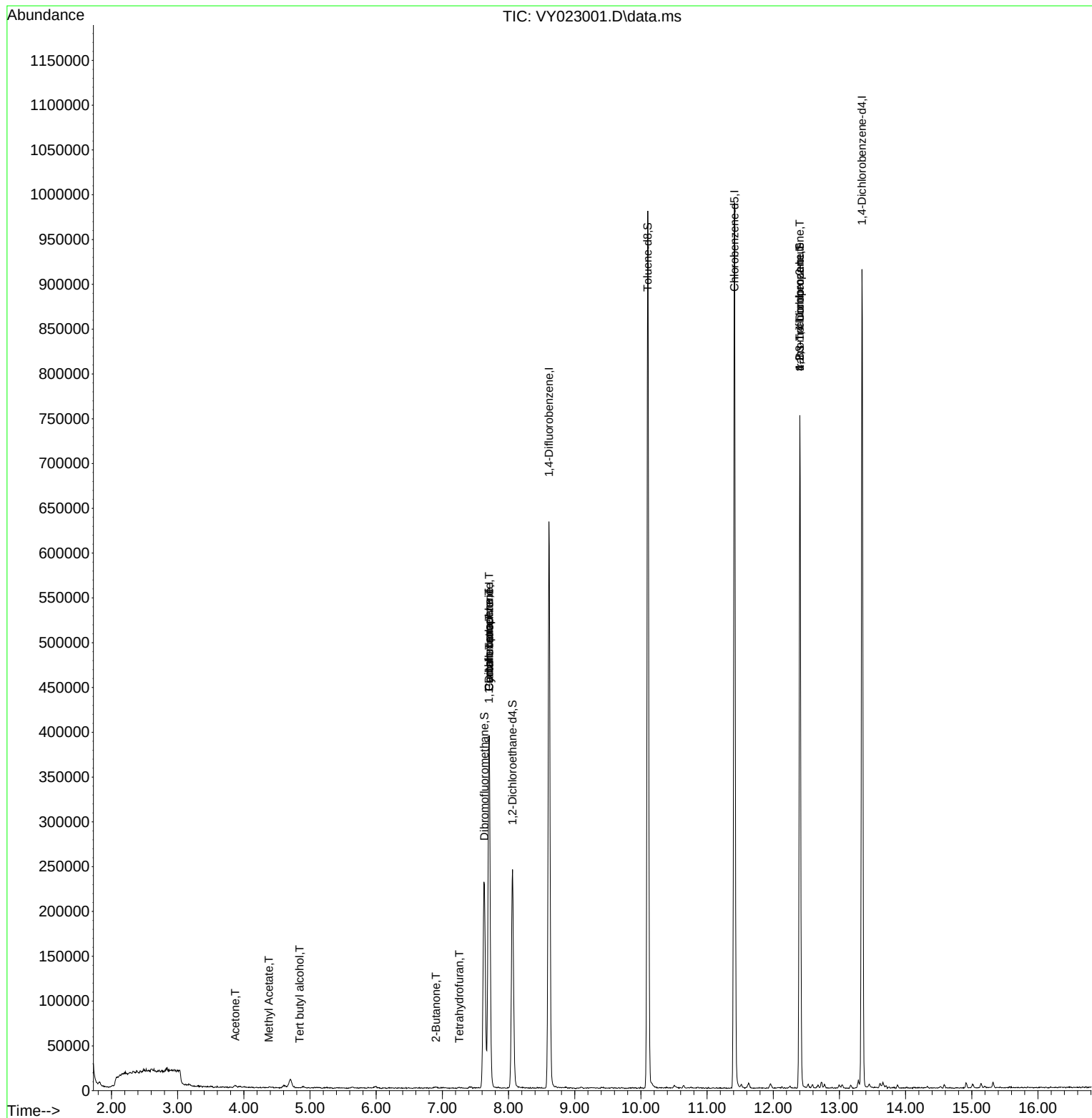
Internal Standards						
1) Pentafluorobenzene	7.707	168	302244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	526087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	498879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	222460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	189064	61.791	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.580%	
35) Dibromofluoromethane	7.634	113	167262	50.121	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.240%	
50) Toluene-d8	10.103	98	623623	47.123	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.240%	
62) 4-Bromofluorobenzene	12.402	95	220966	53.043	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	275	1.486	ug/l #	73
16) Acetone	3.873	43	2898	5.225	ug/l	90
18) Methyl Acetate	4.379	43	1919	1.022	ug/l #	63
20) Methylene Chloride	4.616	84	1818	Below Cal		95
25) 2-Butanone	6.903	43	912	1.146	ug/l	97
29) Tetrahydrofuran	7.256	42	574	1.139	ug/l #	49
31) Cyclohexane	7.707	56	7610	1.249	ug/l #	23
36) 1,1-Dichloropropene	7.701	75	26074	4.960	ug/l #	50
38) Carbon Tetrachloride	7.707	117	30422	5.327	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	122900	44.336	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	122900	132.052	ug/l #	12

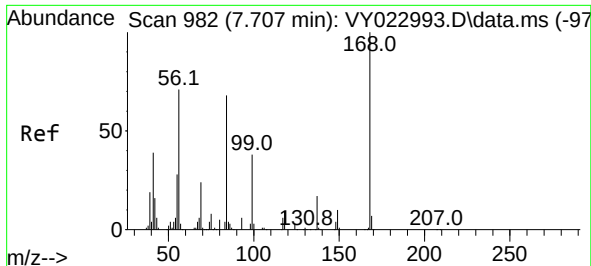
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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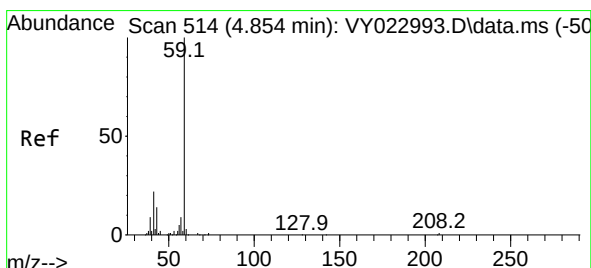
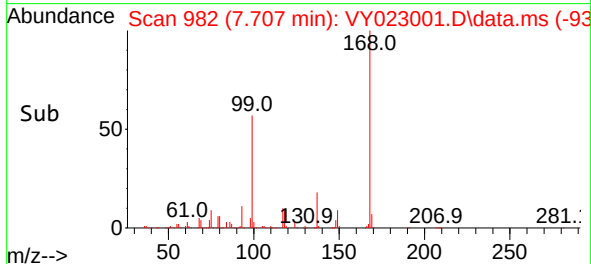
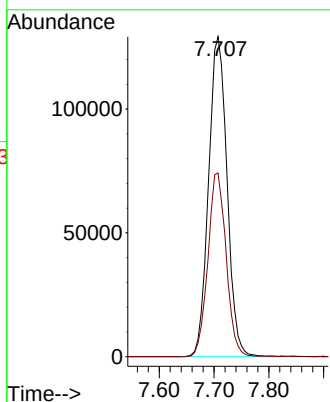
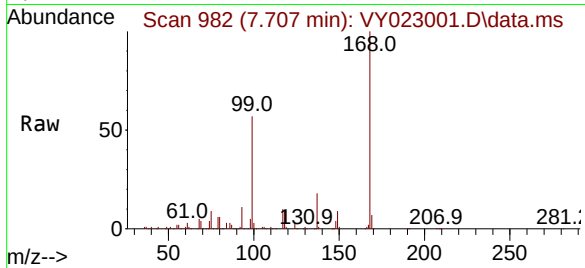




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

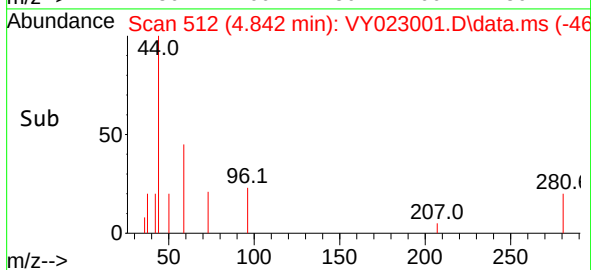
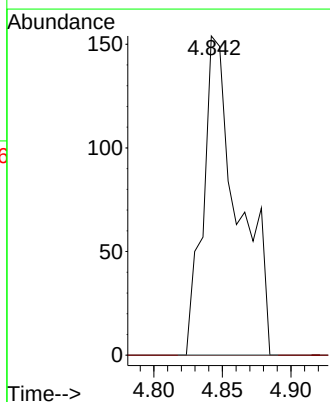
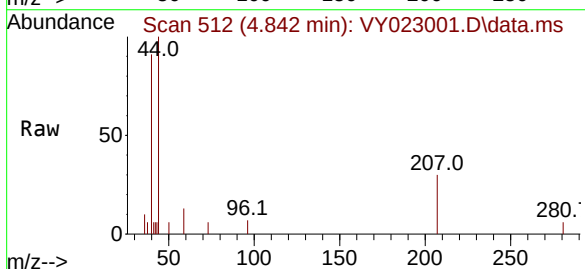
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-31-071725

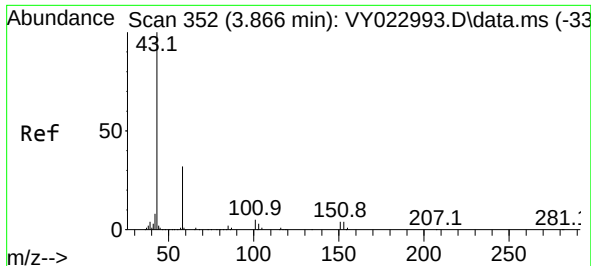
Tgt Ion:168 Resp: 302244
Ion Ratio Lower Upper
168 100
99 57.4 44.4 66.6



#11
Tert butyl alcohol
Concen: 1.486 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

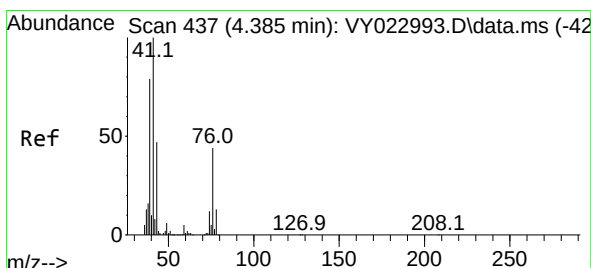
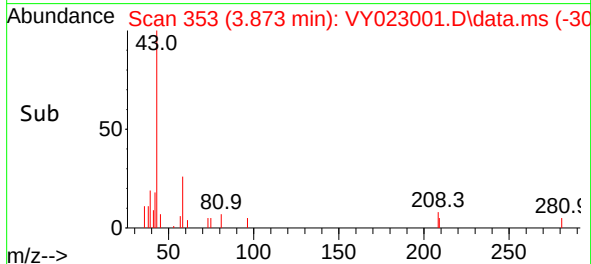
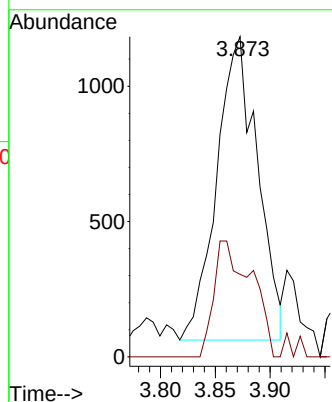
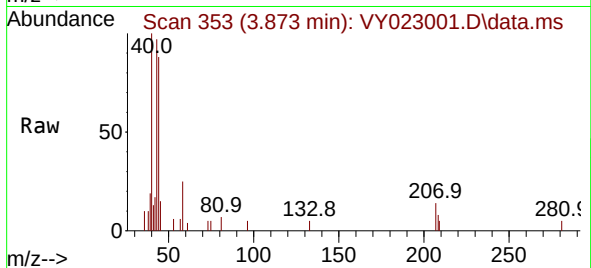




#16
Acetone
Concen: 5.225 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

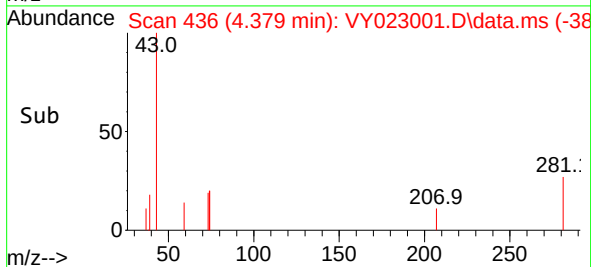
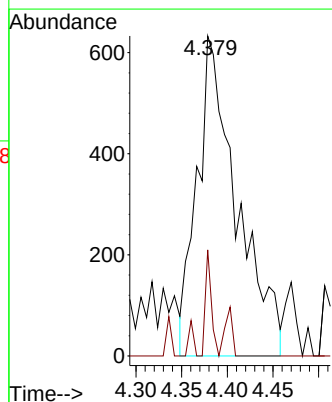
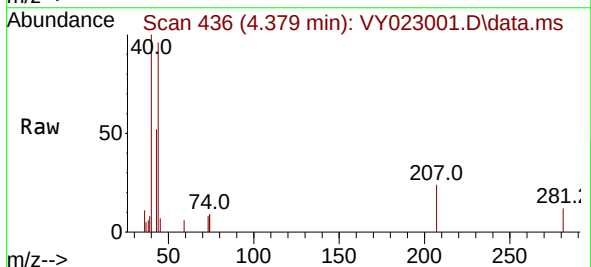
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-31-071725

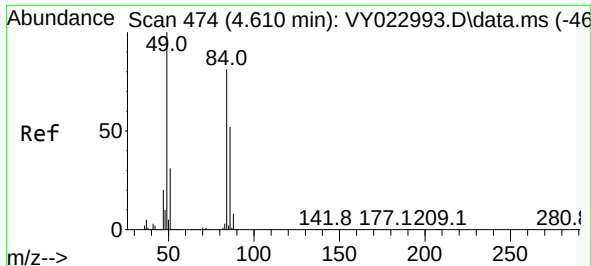
Tgt Ion: 43 Resp: 2898
Ion Ratio Lower Upper
43 100
58 27.2 26.2 39.4



#18
Methyl Acetate
Concen: 1.022 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

Tgt Ion: 43 Resp: 1919
Ion Ratio Lower Upper
43 100
74 6.3 20.1 30.1#

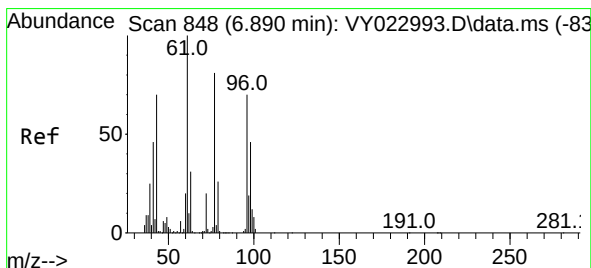
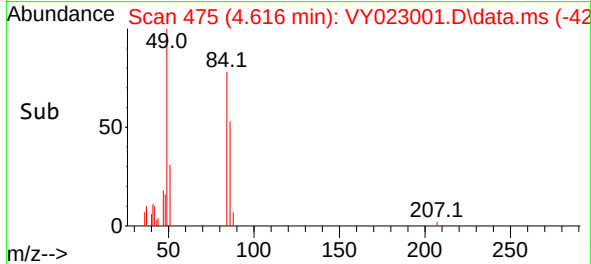
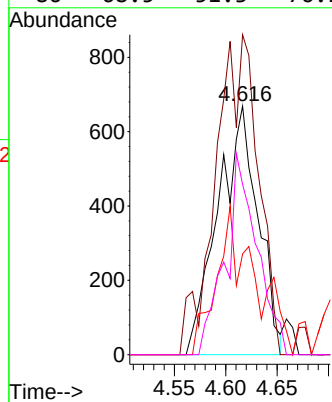
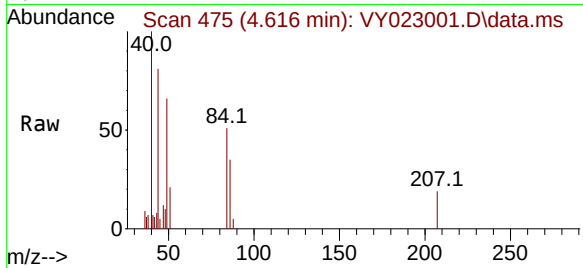




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

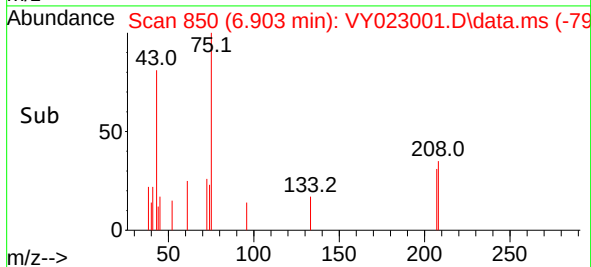
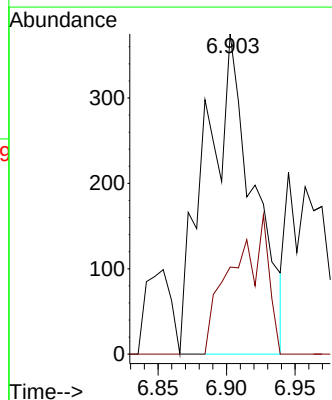
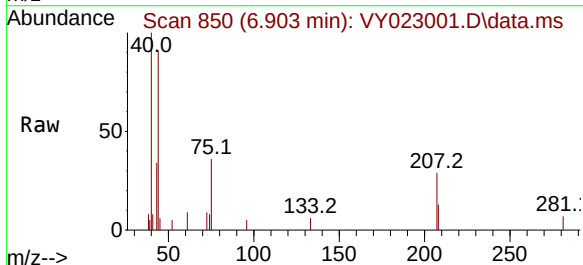
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-31-071725

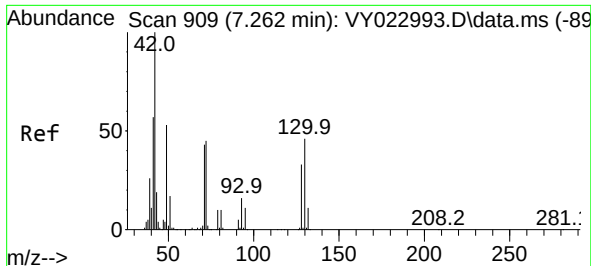
Tgt Ion:	84	Resp:	1818
Ion	Ratio	Lower	Upper
84	100		
49	128.7	98.2	147.4
51	40.5	30.5	45.7
86	68.5	51.3	76.9



#25
2-Butanone
Concen: 1.146 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

Tgt Ion:	43	Resp:	912
Ion	Ratio	Lower	Upper
43	100		
72	27.2	22.9	34.3





#29

Tetrahydrofuran

Concen: 1.139 ug/l

RT: 7.256 min Scan# 909

Delta R.T. -0.006 min

Lab File: VY023001.D

Acq: 18 Jul 2025 16:38

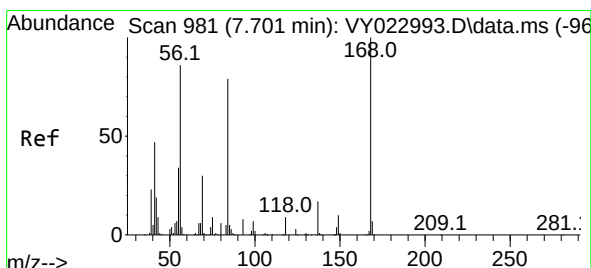
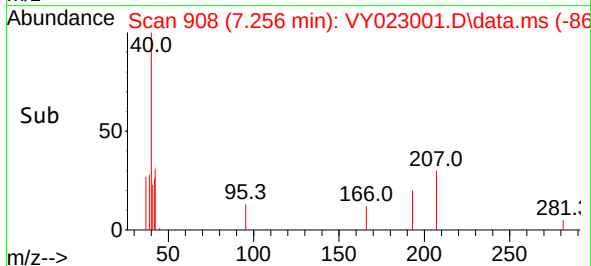
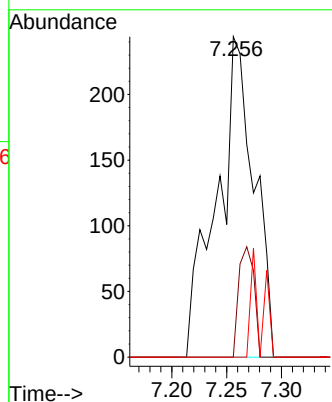
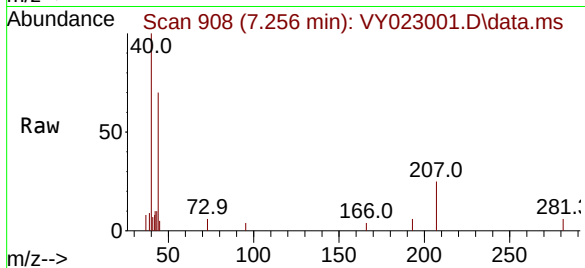
Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-31-071725

Tgt Ion:	42	Resp:	574
Ion	Ratio	Lower	Upper
42	100		
72	14.1	37.5	56.3#
71	9.6	34.2	51.4#



#31

Cyclohexane

Concen: 1.249 ug/l

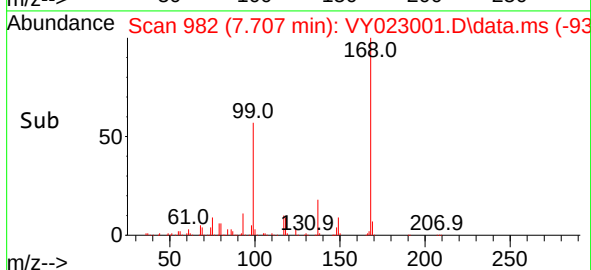
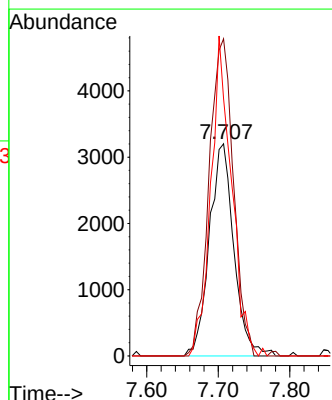
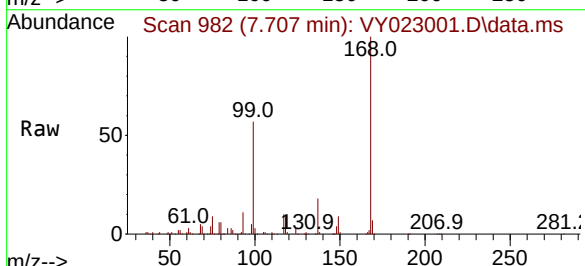
RT: 7.707 min Scan# 982

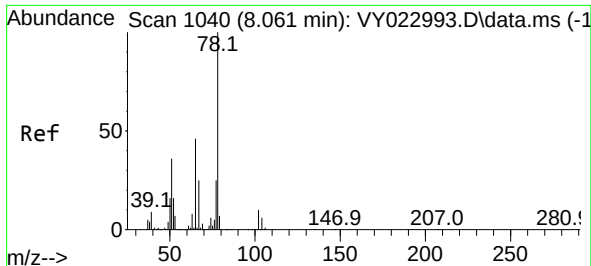
Delta R.T. 0.006 min

Lab File: VY023001.D

Acq: 18 Jul 2025 16:38

Tgt Ion:	56	Resp:	7610
Ion	Ratio	Lower	Upper
56	100		
69	149.4	28.1	42.1#
84	121.4	73.5	110.3#





#33

1,2-Dichloroethane-d4

Concen: 61.791 ug/l

RT: 8.061 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023001.D

Acq: 18 Jul 2025 16:38

Instrument :

MSVOA_Y

ClientSampleId :

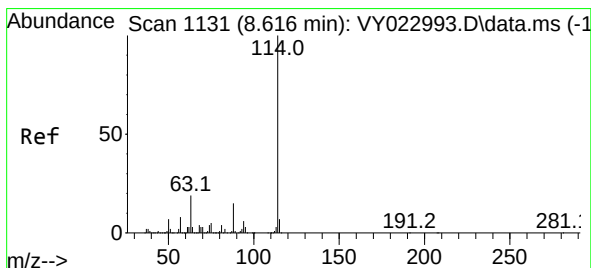
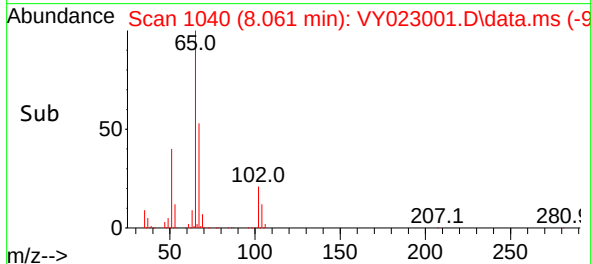
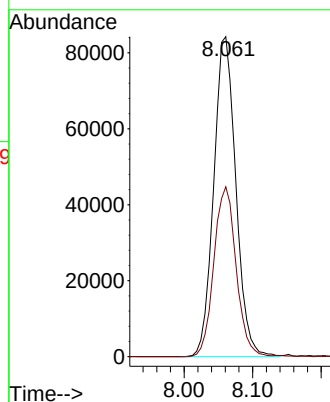
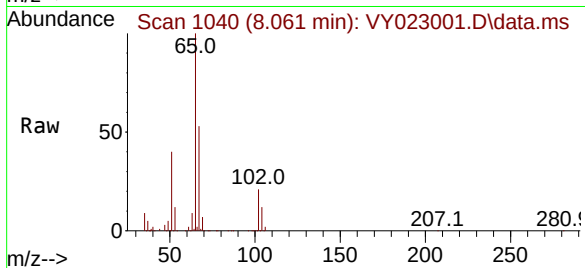
OU4-TS-31-071725

Tgt Ion: 65 Resp: 189064

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY023001.D

Acq: 18 Jul 2025 16:38

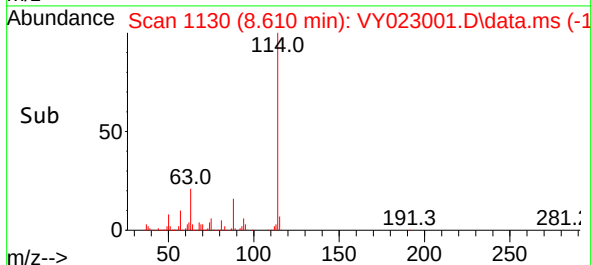
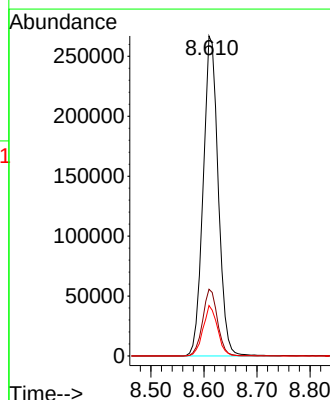
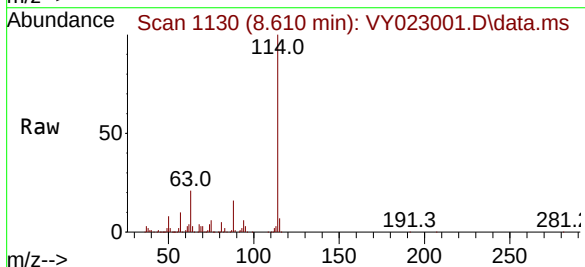
Tgt Ion: 114 Resp: 526087

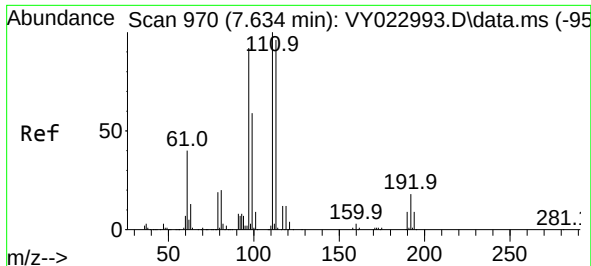
Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.8

88 15.7 0.0 30.2

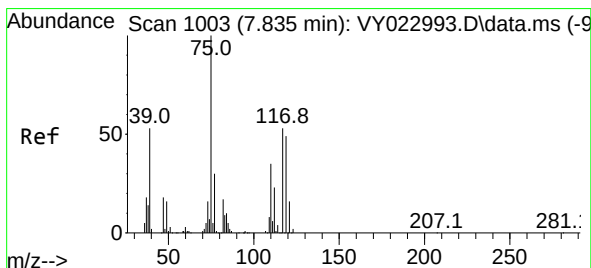
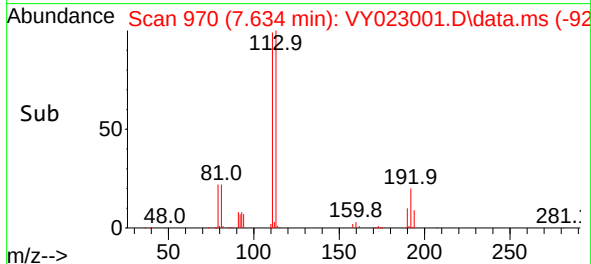
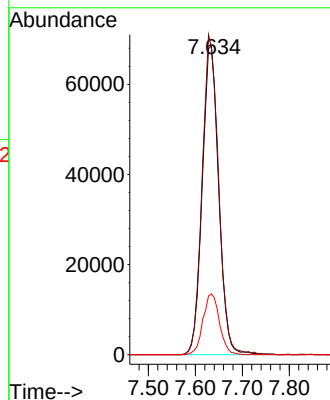
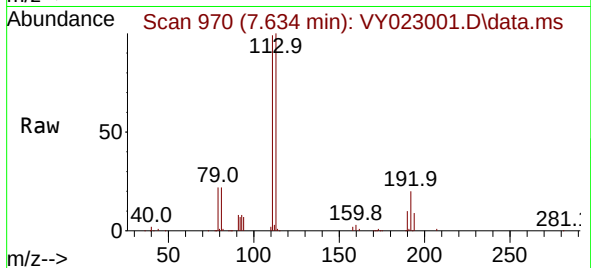




#35
Dibromofluoromethane
Concen: 50.121 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

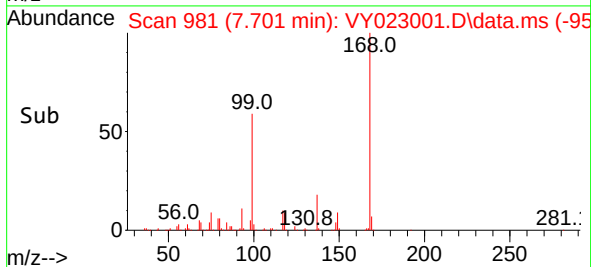
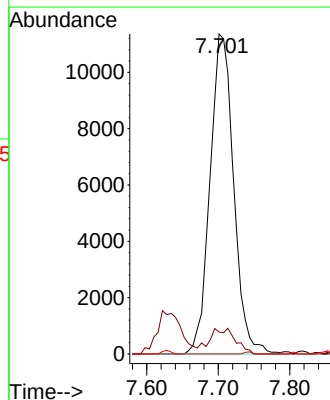
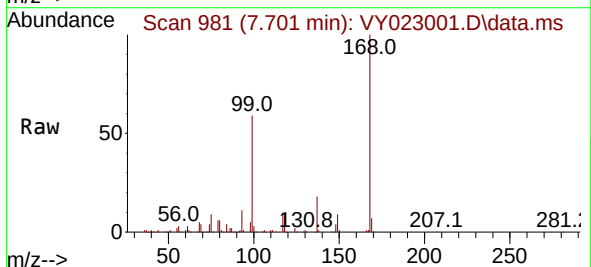
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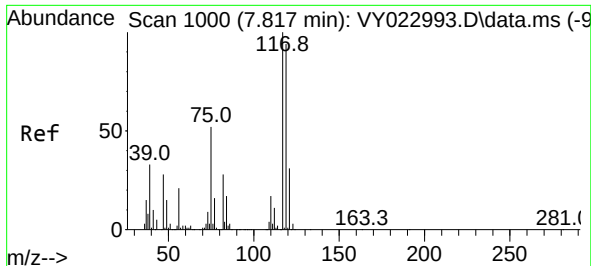
Tgt Ion:113 Resp: 167262
Ion Ratio Lower Upper
113 100
111 102.8 83.2 124.8
192 19.6 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.960 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

Tgt Ion: 75 Resp: 26074
Ion Ratio Lower Upper
75 100
110 8.8 17.3 51.9#
77 0.0 24.6 37.0#

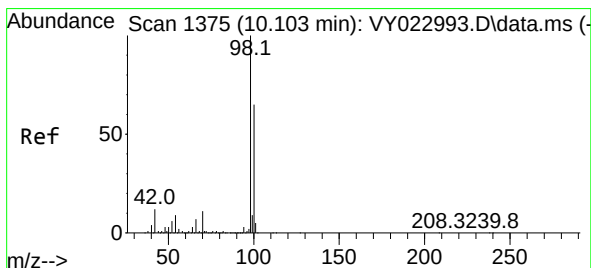
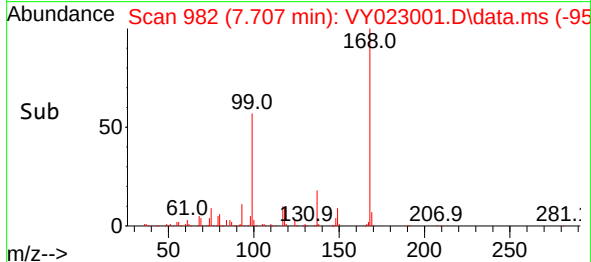
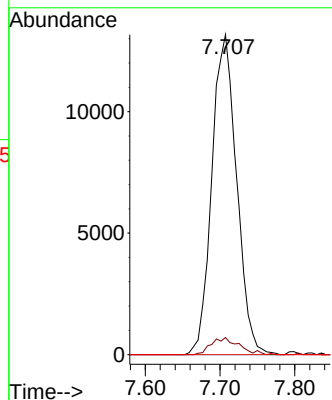
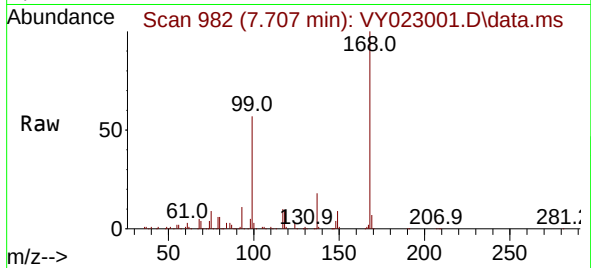




#38
Carbon Tetrachloride
Concen: 5.327 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

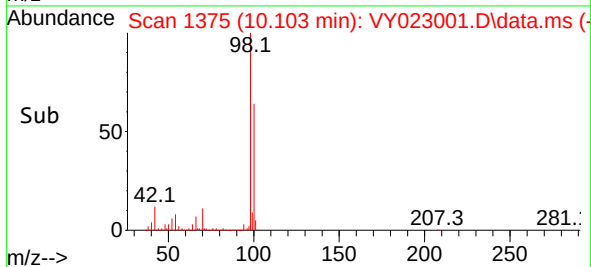
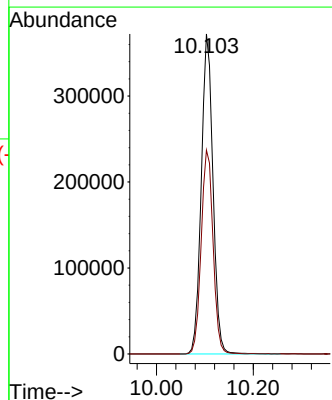
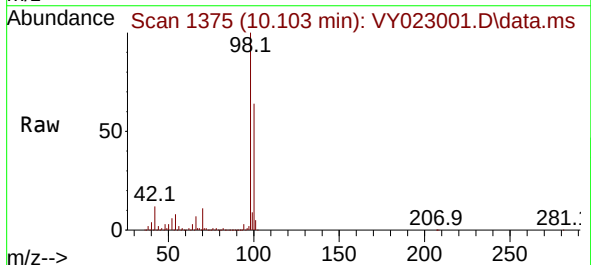
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-31-071725

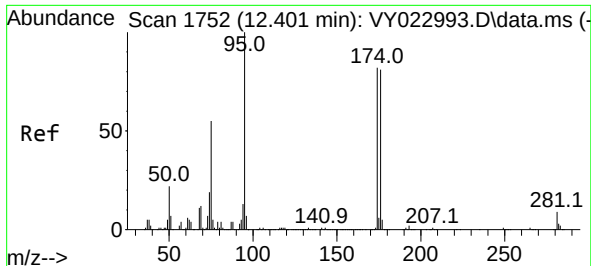
Tgt Ion:117 Resp: 30422
Ion Ratio Lower Upper
117 100
119 5.4 74.9 112.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 47.123 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

Tgt Ion: 98 Resp: 623623
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2

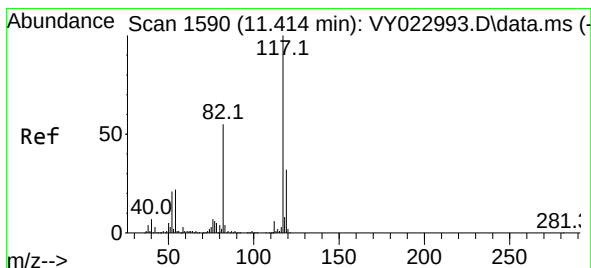
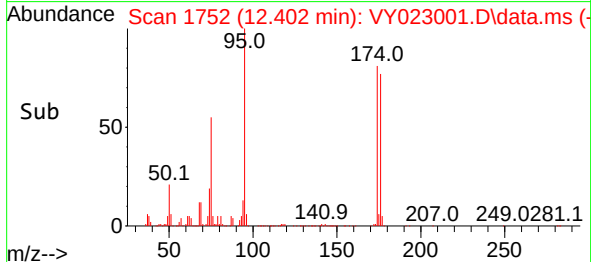
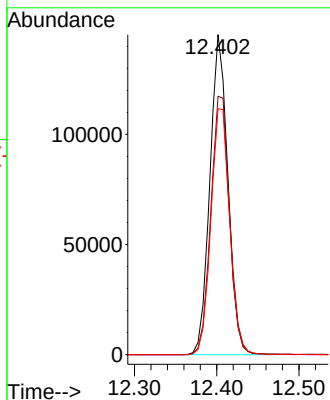
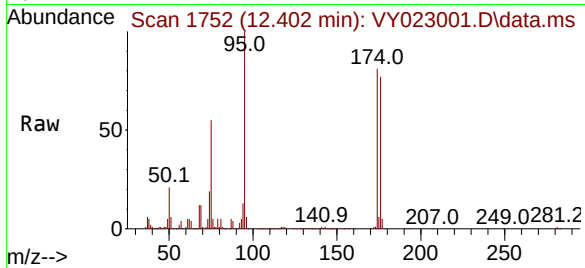




#62
4-Bromofluorobenzene
Concen: 53.043 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

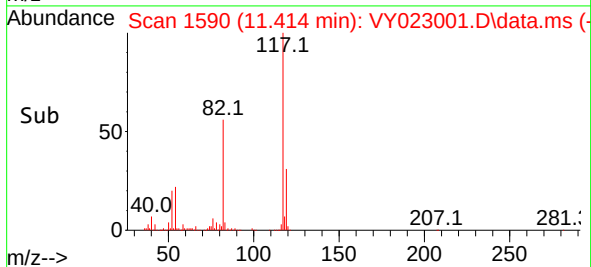
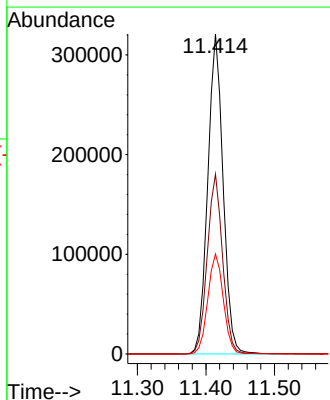
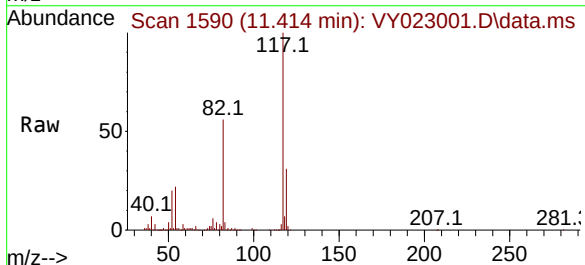
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-31-071725

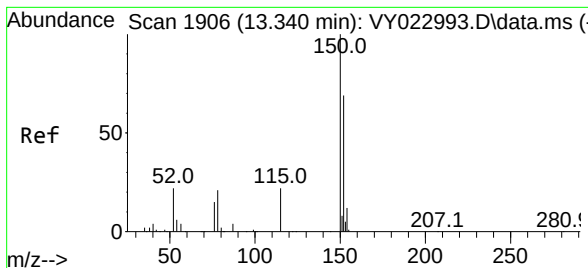
Tgt Ion: 95 Resp: 220966
Ion Ratio Lower Upper
95 100
174 84.6 0.0 170.8
176 80.0 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023001.D
Acq: 18 Jul 2025 16:38

Tgt Ion: 117 Resp: 498879
Ion Ratio Lower Upper
117 100
82 56.2 44.3 66.5
119 31.2 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: VY023001.D

Acq: 18 Jul 2025 16:38

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-31-071725

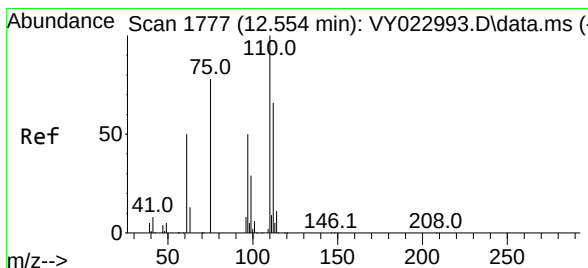
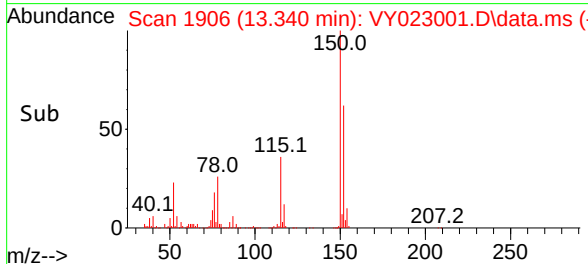
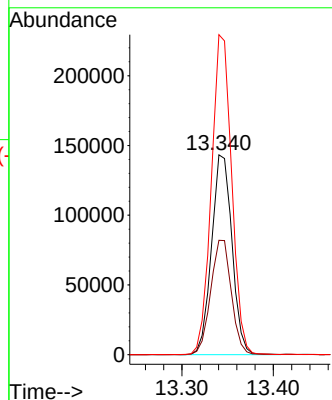
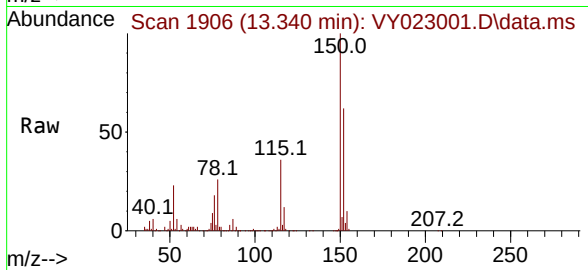
Tgt Ion:152 Resp: 222460

Ion Ratio Lower Upper

152 100

115 58.1 29.4 88.2

150 159.1 0.0 350.0



#76

1,2,3-Trichloropropane

Concen: 44.336 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023001.D

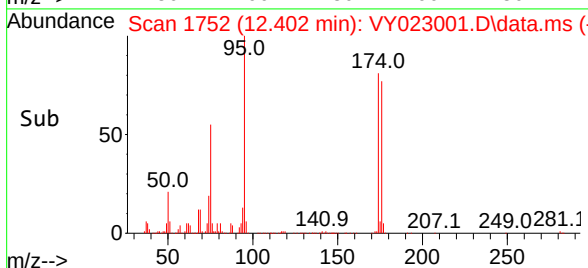
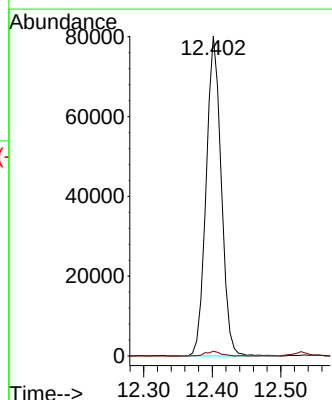
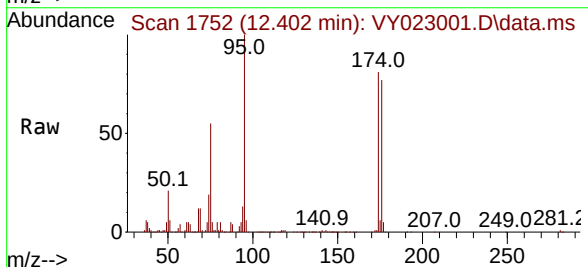
Acq: 18 Jul 2025 16:38

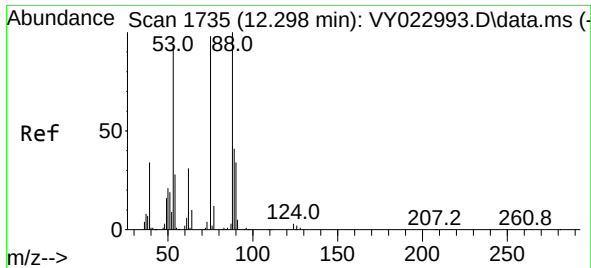
Tgt Ion: 75 Resp: 122900

Ion Ratio Lower Upper

75 100

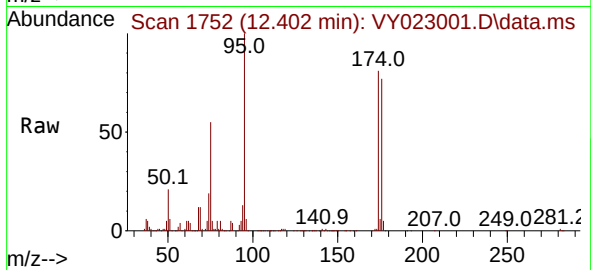
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.052 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023001.D
 Acq: 18 Jul 2025 16:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-31-071725



Tgt Ion: 75 Resp: 122900
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.1 54.1#

