

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023009.D
 Acq On : 18 Jul 2025 19:41
 Operator : SY/MD
 Sample : Q2639-03
 Misc : 4.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-39-071725

Quant Time: Jul 19 02:15:49 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)

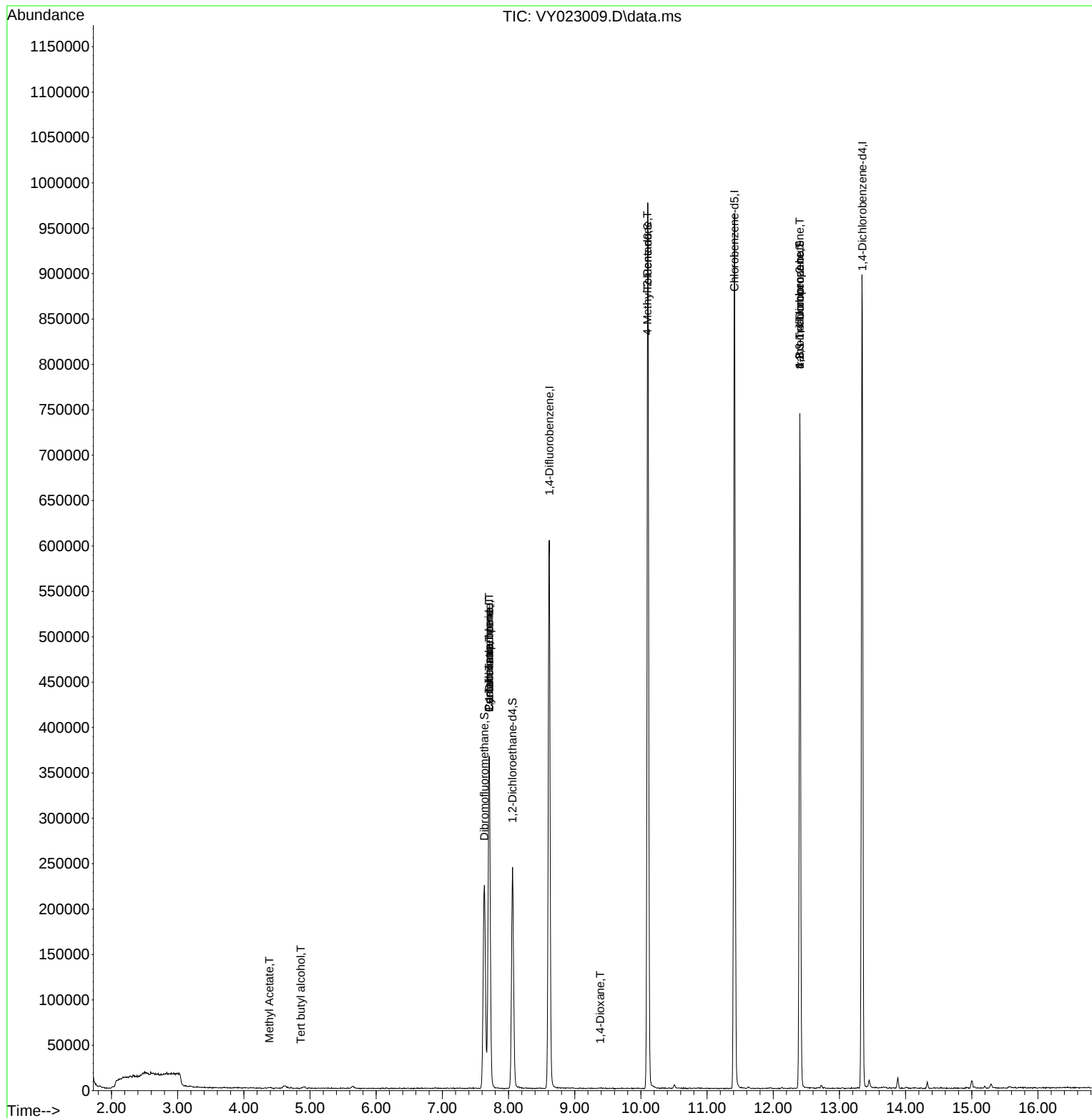
Internal Standards						
1) Pentafluorobenzene	7.707	168	276942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	502315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	491116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	218910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	188923	67.387	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.780%	
35) Dibromofluoromethane	7.634	113	161986	50.837	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.680%	
50) Toluene-d8	10.103	98	611323	48.380	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.760%	
62) 4-Bromofluorobenzene	12.402	95	215640	54.214	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	258	1.522	ug/l #	73
18) Methyl Acetate	4.385	43	1810	1.052	ug/l #	82
20) Methylene Chloride	4.604	84	1999	Below Cal	#	83
31) Cyclohexane	7.707	56	7187	1.288	ug/l #	42
36) 1,1-Dichloropropene	7.707	75	23125	4.607	ug/l #	50
38) Carbon Tetrachloride	7.707	117	28222	5.176	ug/l #	17
49) 1,4-Dioxane	9.384	88	24	1.248	ug/l #	1
51) 4-Methyl-2-Pentanone	10.097	43	3251	1.730	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	119778	43.910	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	119778	130.785	ug/l #	12

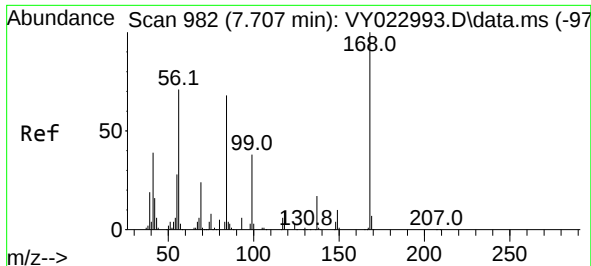
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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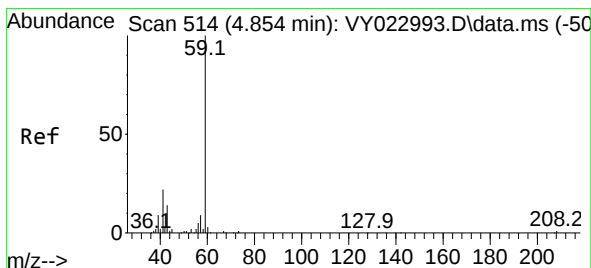
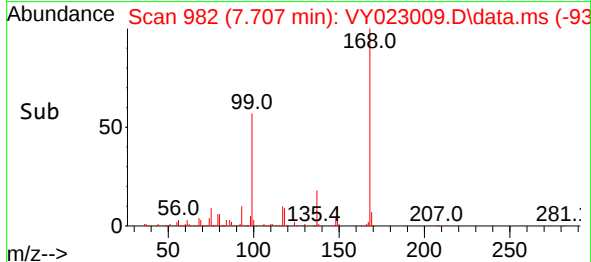
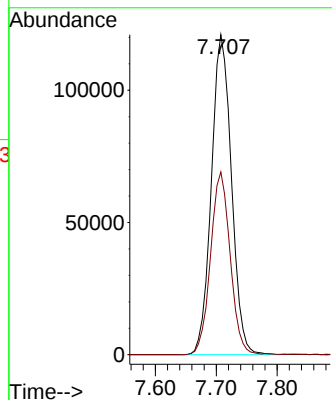
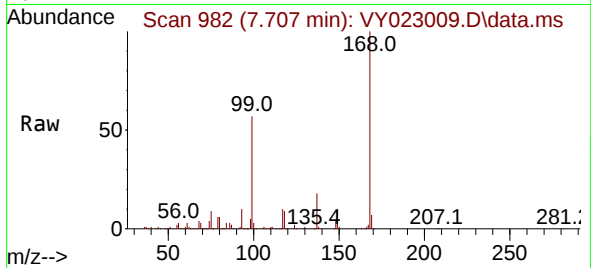




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023009.D
Acq: 18 Jul 2025 19:41

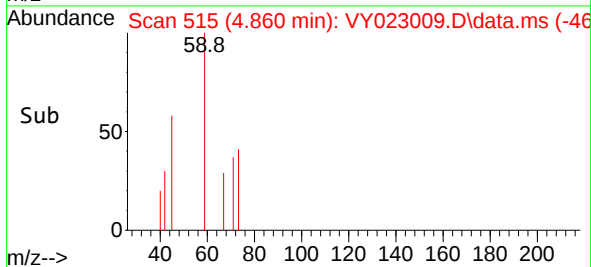
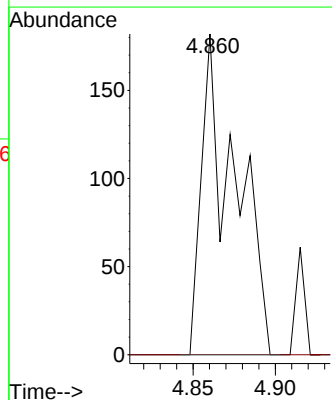
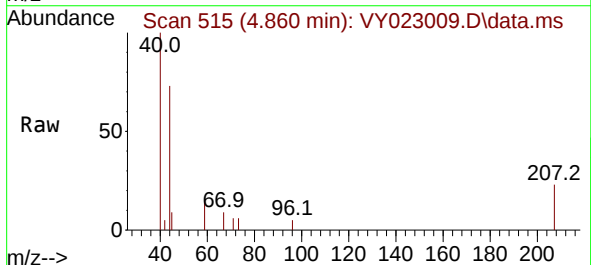
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-39-071725

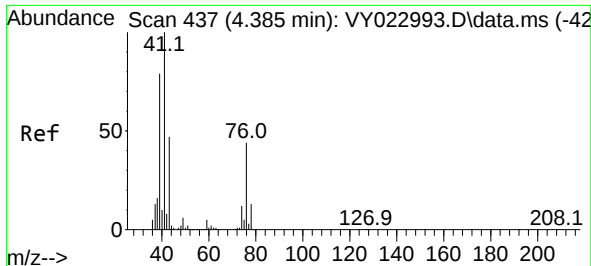
Tgt Ion:168 Resp: 276942
Ion Ratio Lower Upper
168 100
99 57.1 44.4 66.6



#11
Tert butyl alcohol
Concen: 1.522 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY023009.D
Acq: 18 Jul 2025 19:41

Tgt Ion: 59 Resp: 258
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

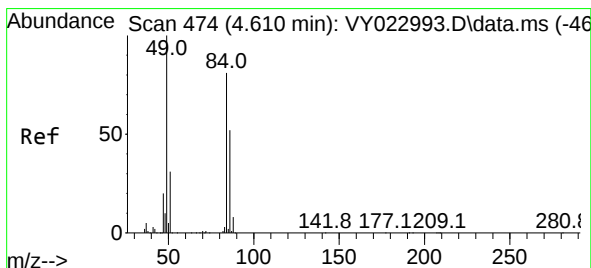
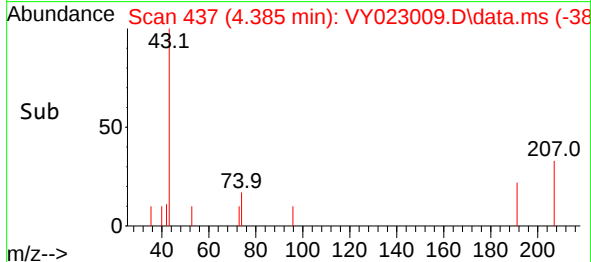
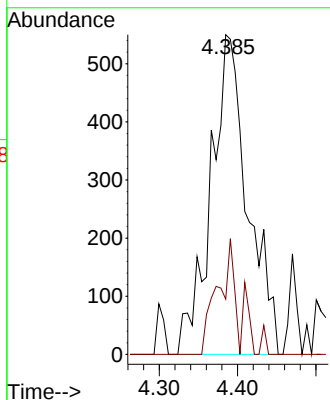
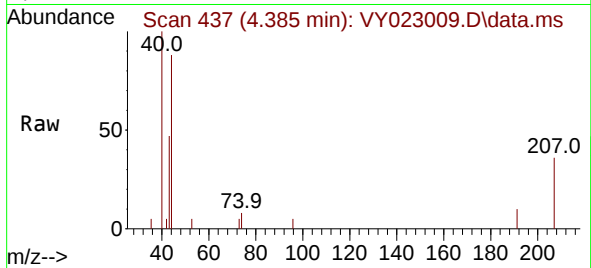




#18
Methyl Acetate
Concen: 1.052 ug/l
RT: 4.385 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023009.D
Acq: 18 Jul 2025 19:41

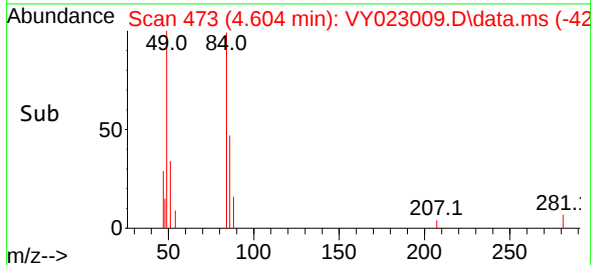
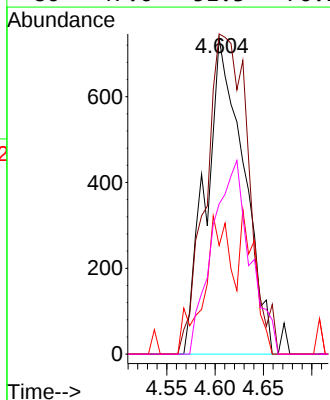
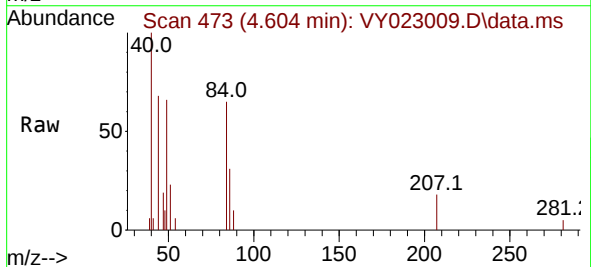
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-39-071725

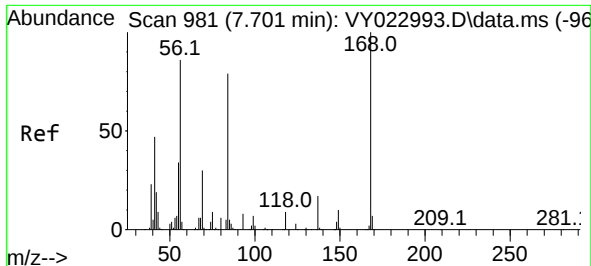
Tgt Ion: 43 Resp: 1810
Ion Ratio Lower Upper
43 100
74 16.0 20.1 30.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY023009.D
Acq: 18 Jul 2025 19:41

Tgt Ion: 84 Resp: 1999
Ion Ratio Lower Upper
84 100
49 101.4 98.2 147.4
51 34.4 30.5 45.7
86 47.6 51.3 76.9#

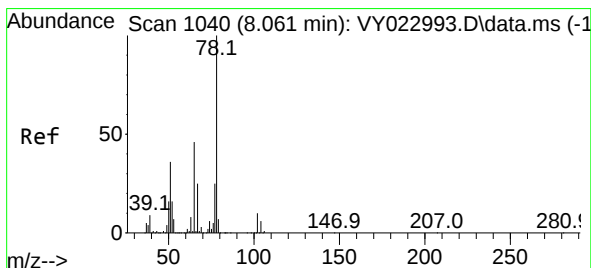
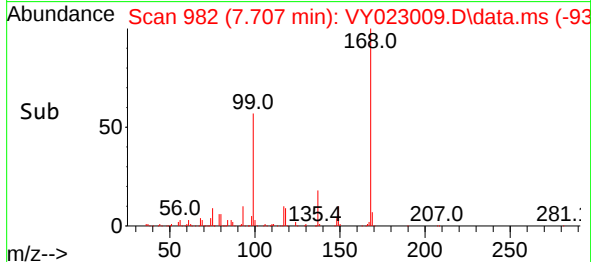
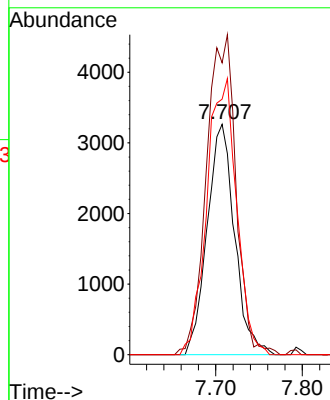
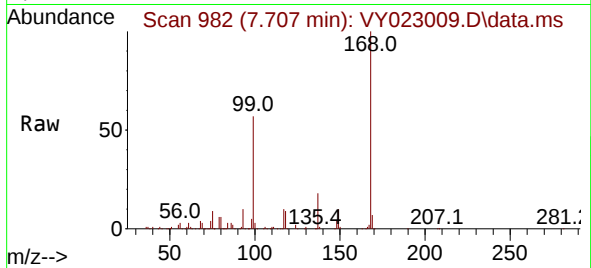




#31
Cyclohexane
Concen: 1.288 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023009.D
Acq: 18 Jul 2025 19:41

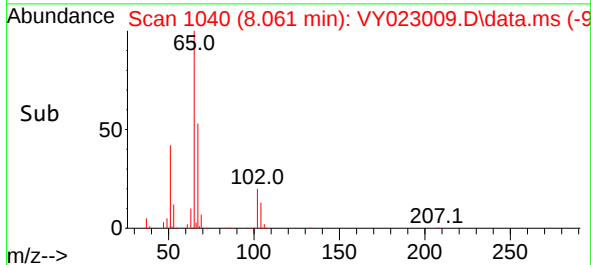
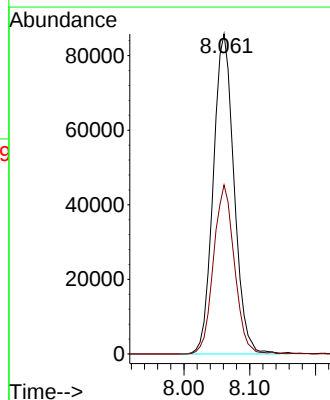
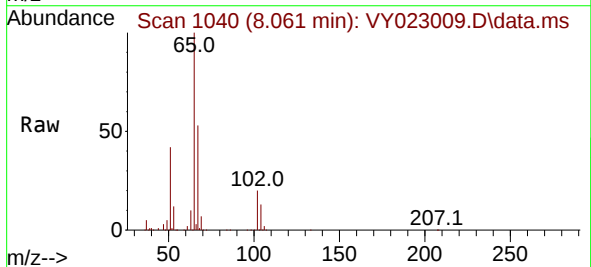
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-39-071725

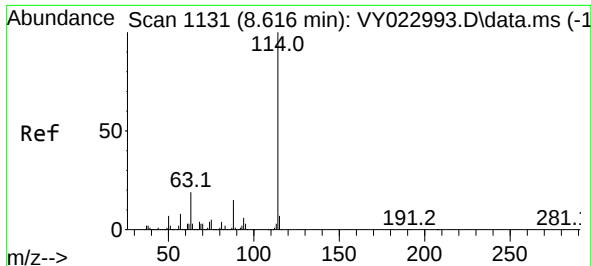
Tgt Ion: 56 Resp: 7187
Ion Ratio Lower Upper
56 100
69 126.7 28.1 42.1#
84 110.9 73.5 110.3#



#33
1,2-Dichloroethane-d4
Concen: 67.387 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023009.D
Acq: 18 Jul 2025 19:41

Tgt Ion: 65 Resp: 188923
Ion Ratio Lower Upper
65 100
67 53.1 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: VY023009.D

Acq: 18 Jul 2025 19:41

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-39-071725

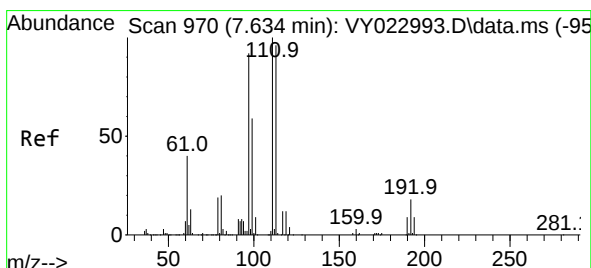
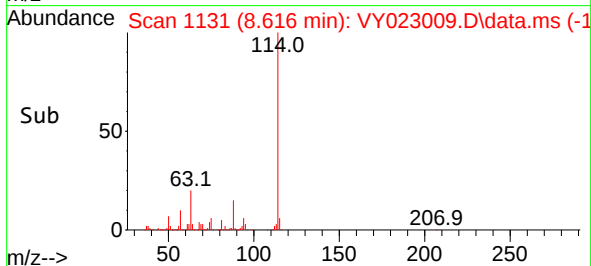
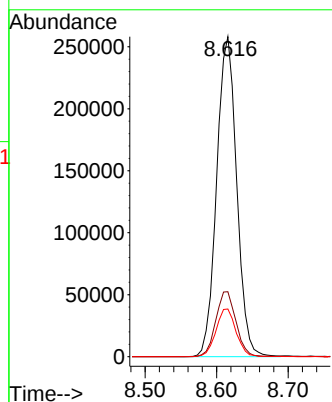
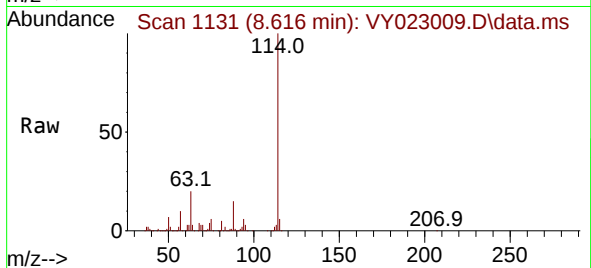
Tgt Ion:114 Resp: 502315

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.8

88 14.9 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.837 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023009.D

Acq: 18 Jul 2025 19:41

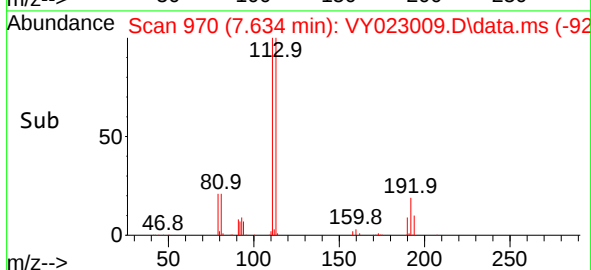
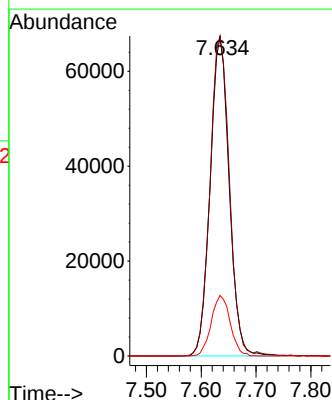
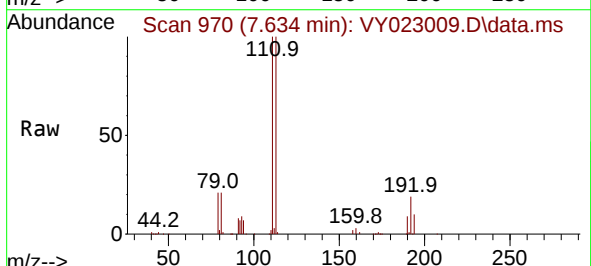
Tgt Ion:113 Resp: 161986

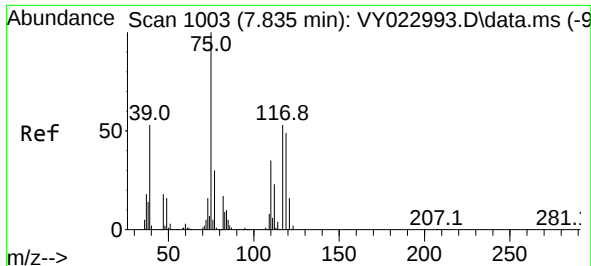
Ion Ratio Lower Upper

113 100

111 101.3 83.2 124.8

192 18.9 15.3 22.9

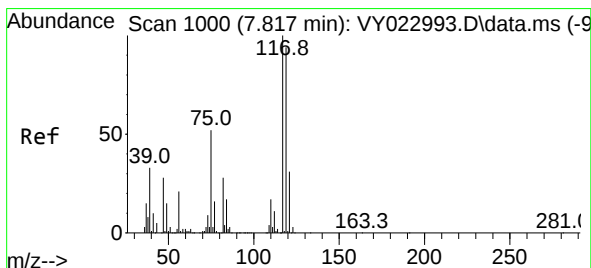
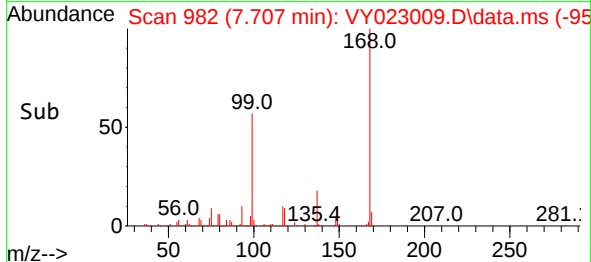
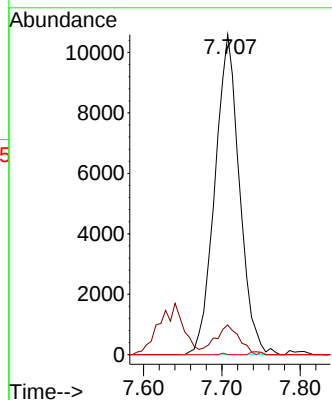
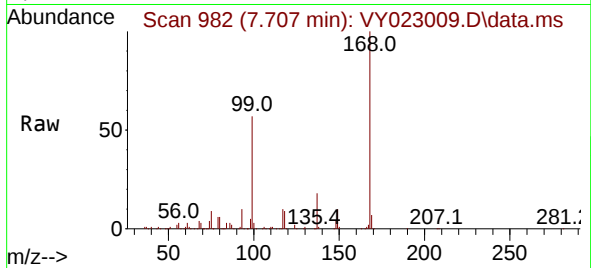




#36
1,1-Dichloropropene
Concen: 4.607 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY023009.D
Acq: 18 Jul 2025 19:41

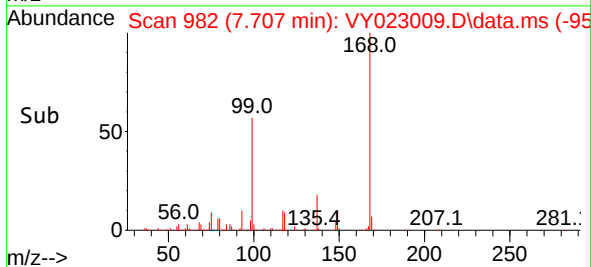
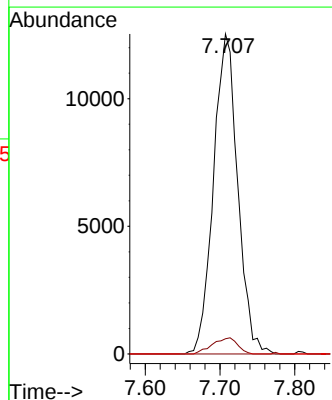
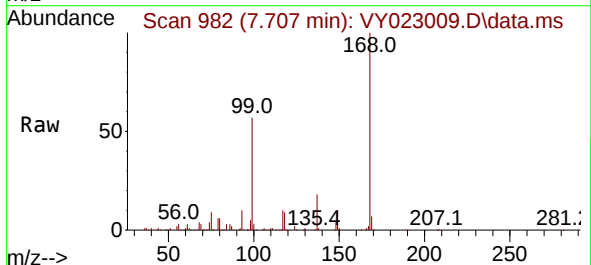
Instrument :
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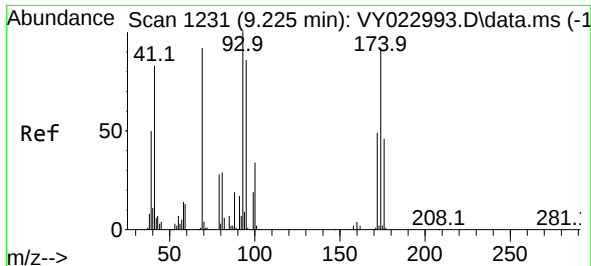
Tgt Ion: 75 Resp: 23125
Ion Ratio Lower Upper
75 100
110 9.3 17.3 51.9#
77 0.1 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.176 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY023009.D
Acq: 18 Jul 2025 19:41

Tgt Ion: 117 Resp: 28222
Ion Ratio Lower Upper
117 100
119 4.8 74.9 112.3#
121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 1.248 ug/l

RT: 9.384 min Scan# 11

Delta R.T. 0.159 min

Lab File: VY023009.D

Acq: 18 Jul 2025 19:41

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-39-071725

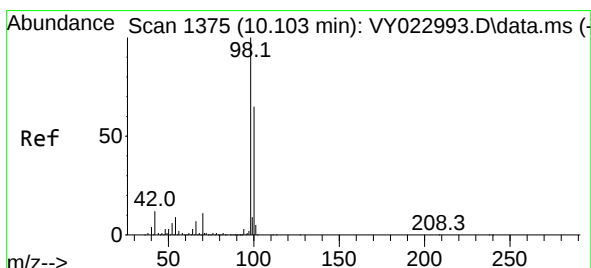
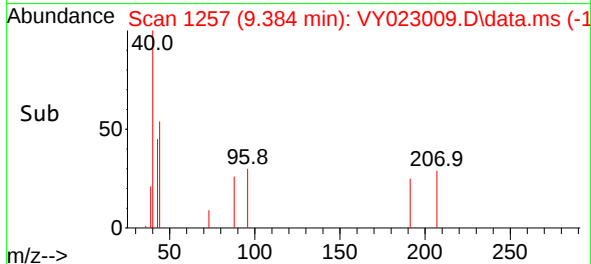
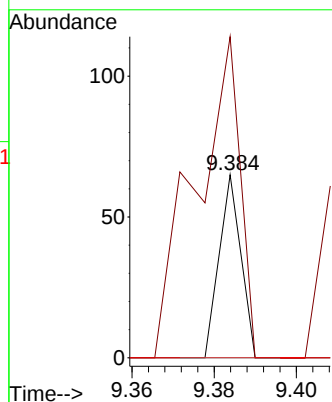
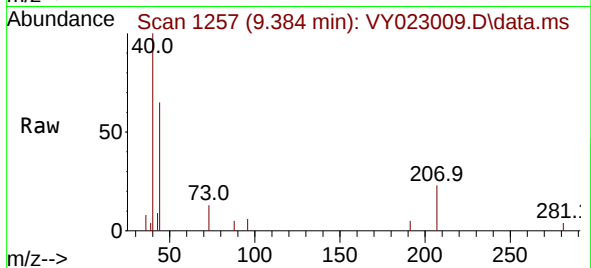
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 358.3 28.7 43.1#

58 0.0 59.8 89.6#



#50

Toluene-d8

Concen: 48.380 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023009.D

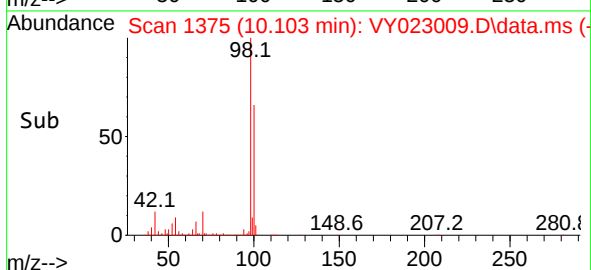
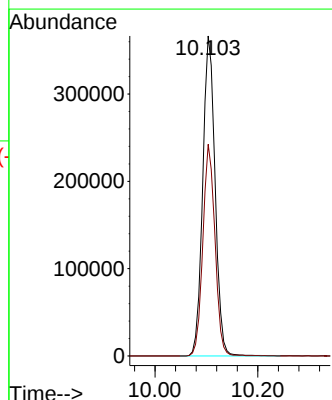
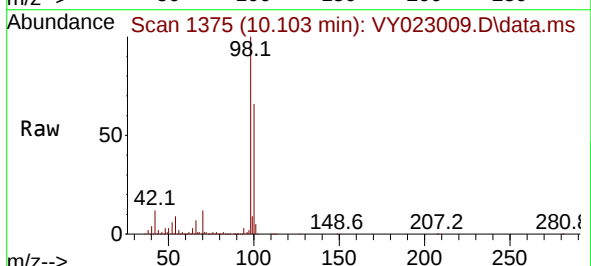
Acq: 18 Jul 2025 19:41

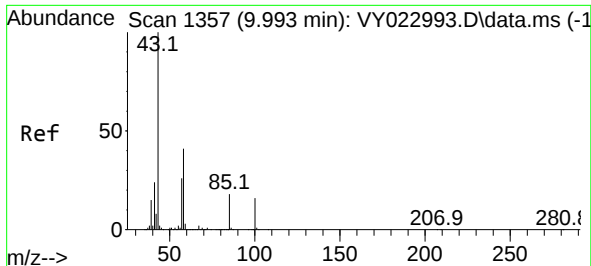
Tgt Ion: 98 Resp: 611323

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2

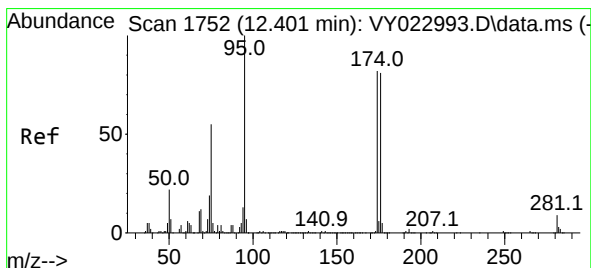
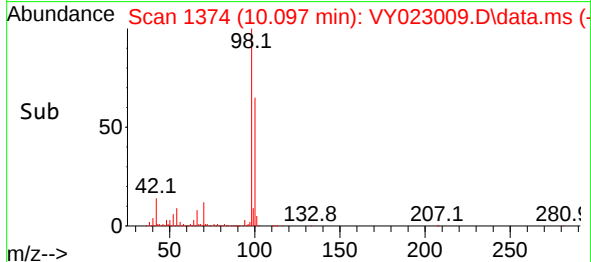
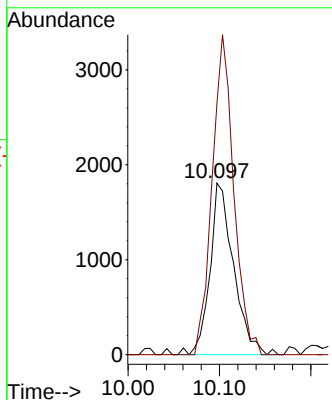
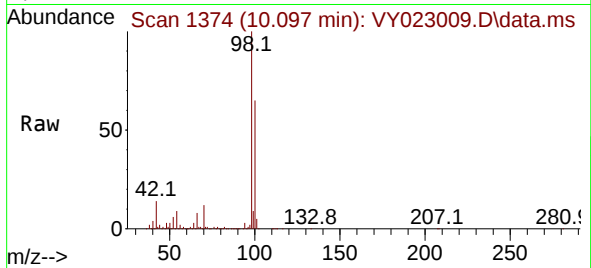




#51
4-Methyl-2-Pentanone
Concen: 1.730 ug/l
RT: 10.097 min Scan# 1357
Delta R.T. 0.104 min
Lab File: VY023009.D
Acq: 18 Jul 2025 19:41

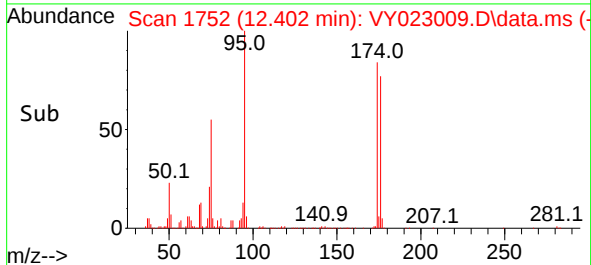
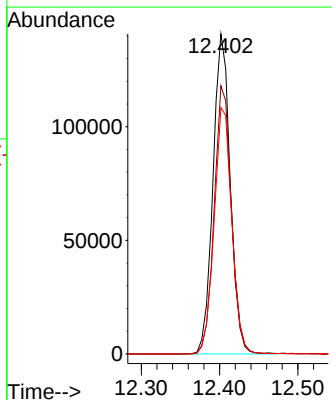
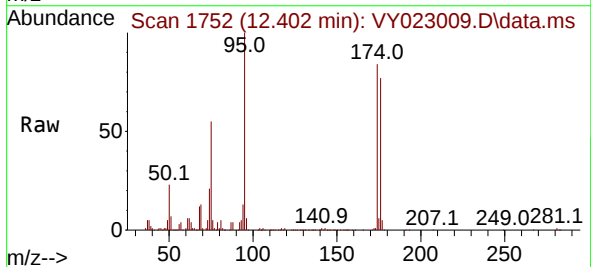
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-39-071725

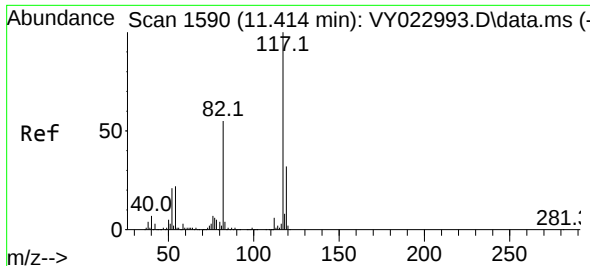
Tgt Ion: 43 Resp: 3251
Ion Ratio Lower Upper
43 100
58 170.8 32.5 48.7#



#62
4-Bromofluorobenzene
Concen: 54.214 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023009.D
Acq: 18 Jul 2025 19:41

Tgt Ion: 95 Resp: 215640
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.8
176 79.0 0.0 163.6

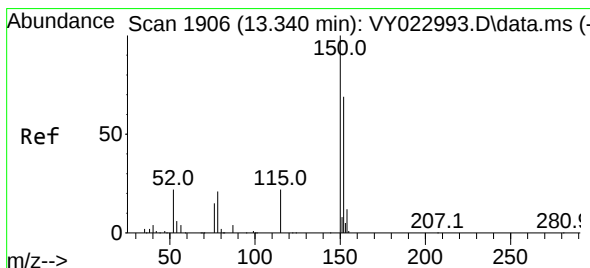
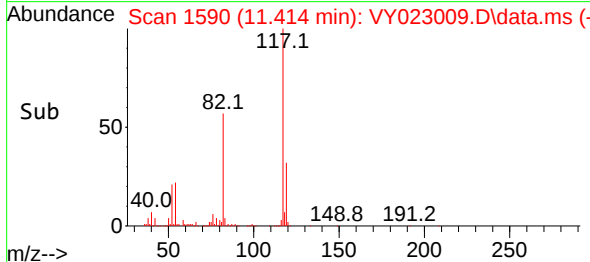
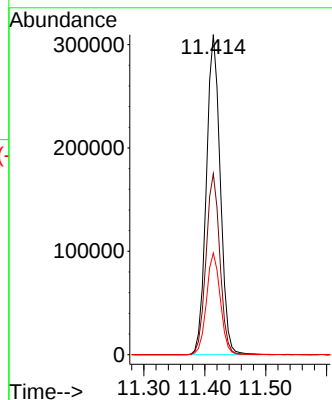
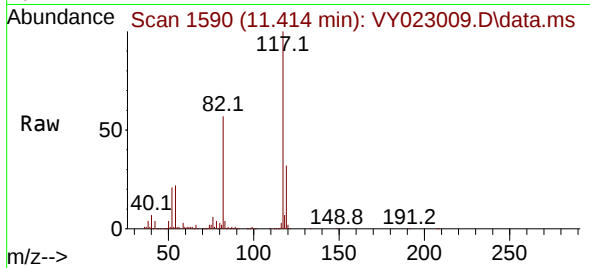




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023009.D
Acq: 18 Jul 2025 19:41

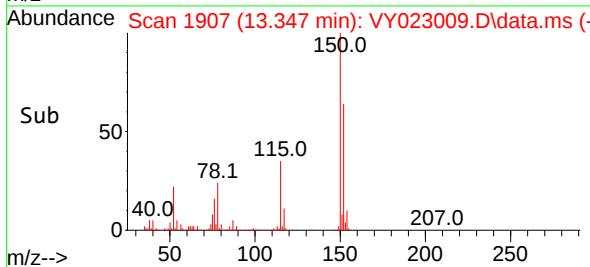
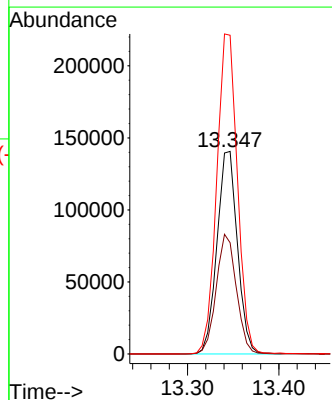
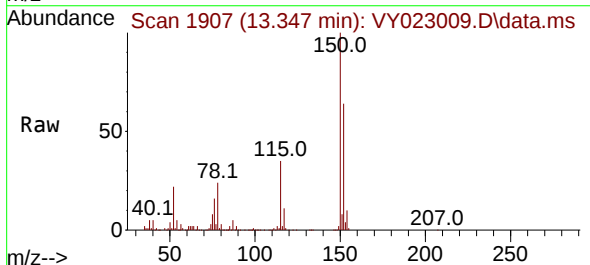
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-39-071725

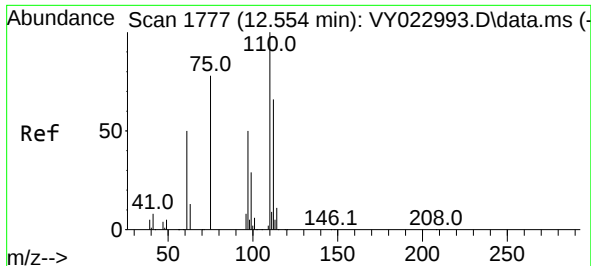
Tgt Ion:117 Resp: 491116
Ion Ratio Lower Upper
117 100
82 56.6 44.3 66.5
119 31.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023009.D
Acq: 18 Jul 2025 19:41

Tgt Ion:152 Resp: 218910
Ion Ratio Lower Upper
152 100
115 58.3 29.4 88.2
150 159.7 0.0 350.0

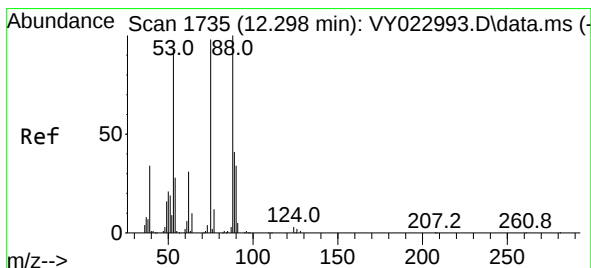
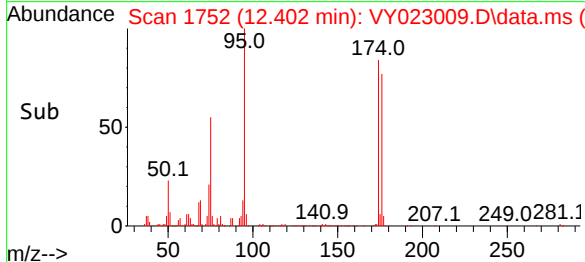
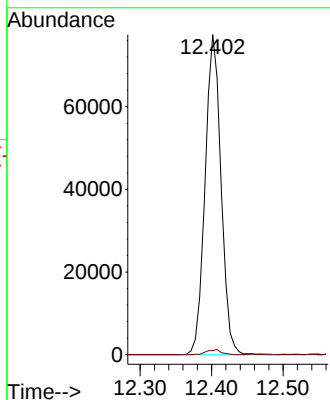
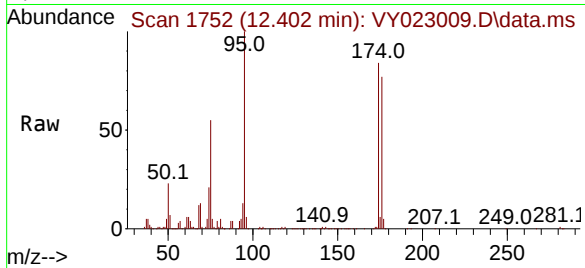




#76
1,2,3-Trichloropropane
Concen: 43.910 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY023009.D
Acq: 18 Jul 2025 19:41

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-39-071725

Tgt Ion: 75 Resp: 119778
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.785 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023009.D
Acq: 18 Jul 2025 19:41

Tgt Ion: 75 Resp: 119778
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 36.1 54.1#

