

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
 Data File : VY021064.D
 Acq On : 04 Feb 2025 17:23
 Operator : SY/MD
 Sample : Q1241-05
 Misc : 9.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 05 00:49:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

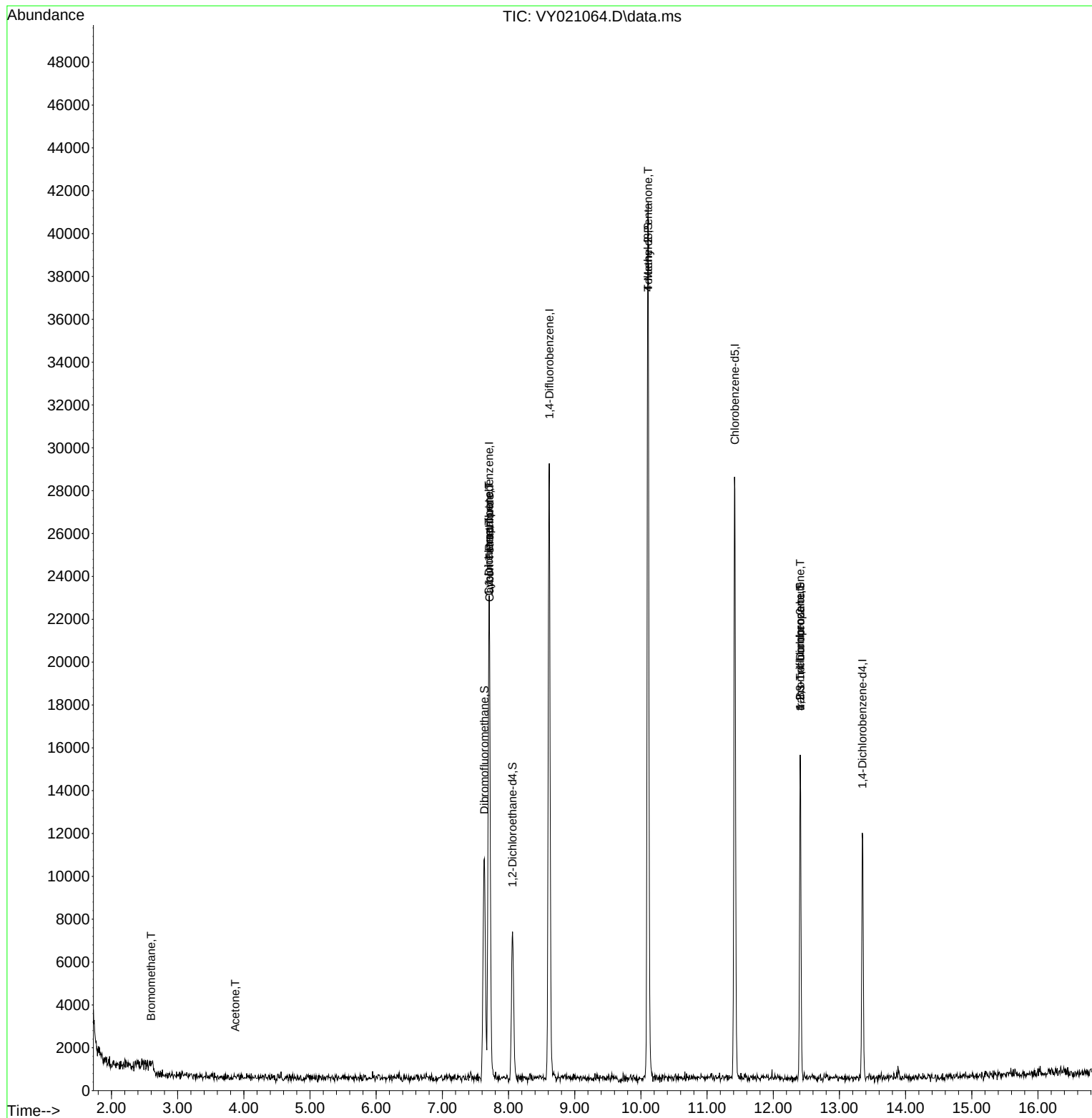
Internal Standards						
1) Pentafluorobenzene	7.707	168	17576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	24690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	15529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	3061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	6248	34.696	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.400%
35) Dibromofluoromethane	7.634	113	7688	48.587	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.180%
50) Toluene-d8	10.109	98	27649	45.899	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.800%
62) 4-Bromofluorobenzene	12.408	95	4357	22.139	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	44.280%
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	131	1.362	ug/l #	1
16) Acetone	3.873	43	42	1.496	ug/l #	41
31) Cyclohexane	7.701	56	344	1.120	ug/l #	47
36) 1,1-Dichloropropene	7.701	75	1374	5.863	ug/l #	48
38) Carbon Tetrachloride	7.713	117	1891	6.905	ug/l #	18
51) 4-Methyl-2-Pentanone	10.109	43	188	1.830	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	2524	90.899	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	2524	185.478	ug/l #	12

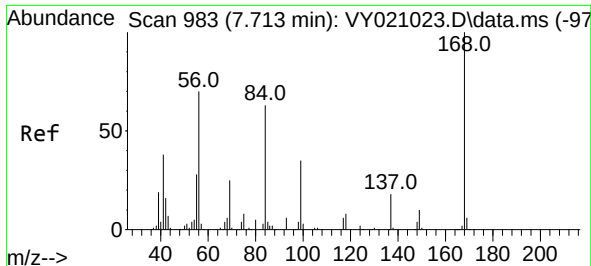
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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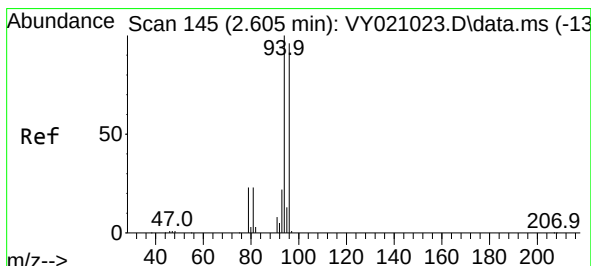
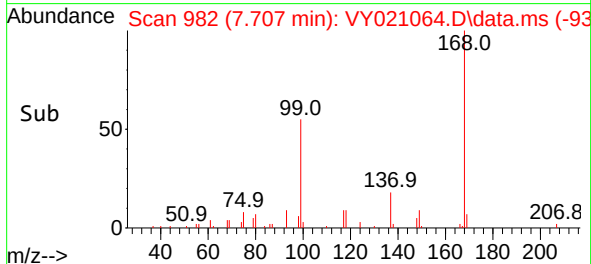
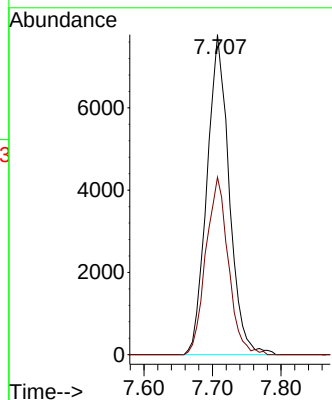
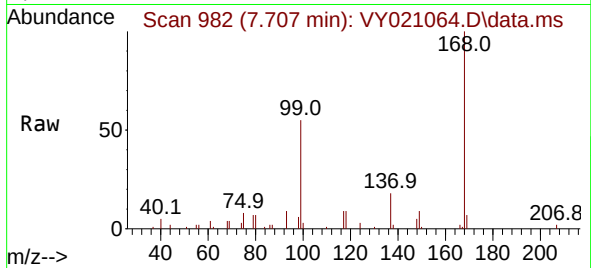




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021064.D
Acq: 04 Feb 2025 17:23

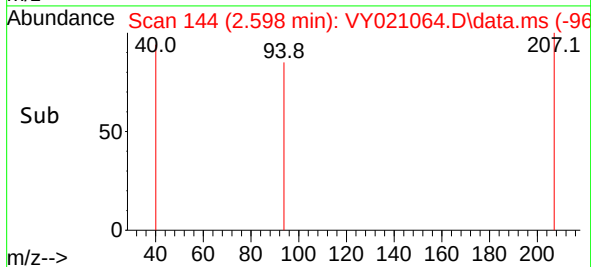
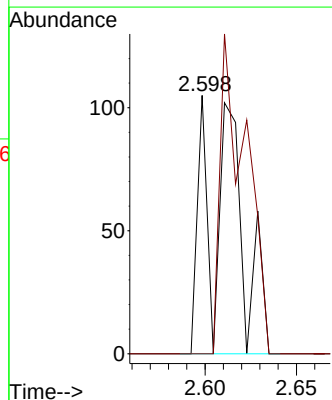
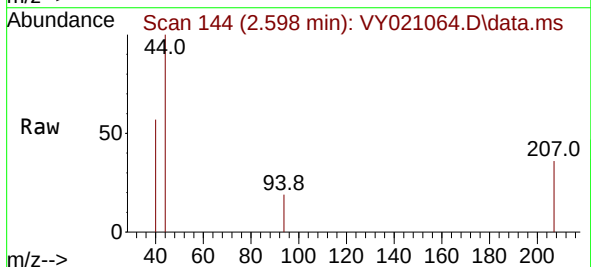
Instrument :
MSVOA_Y
ClientSampleId :

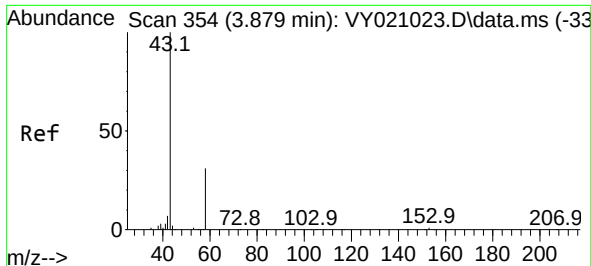
Tgt Ion:168 Resp: 17576
Ion Ratio Lower Upper
168 100
99 55.4 44.2 66.4



#5
Bromomethane
Concen: 1.362 ug/l
RT: 2.598 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY021064.D
Acq: 04 Feb 2025 17:23

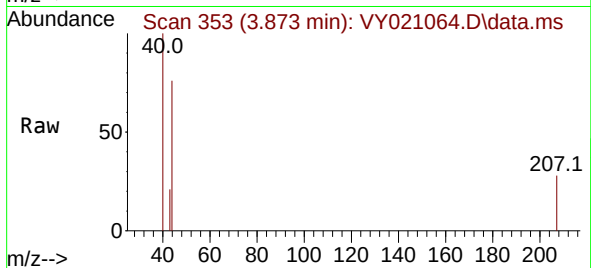
Tgt Ion: 94 Resp: 131
Ion Ratio Lower Upper
94 100
96 0.0 77.3 115.9#



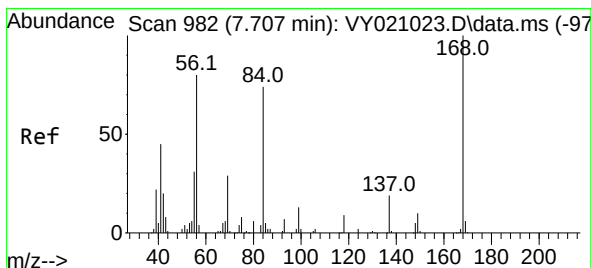
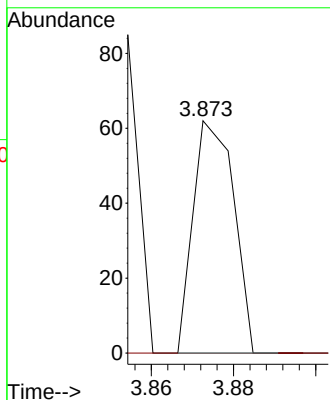
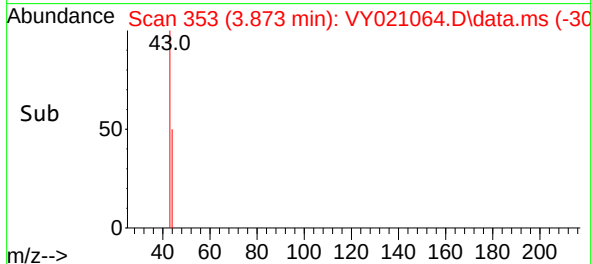


#16
Acetone
Concen: 1.496 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021064.D
Acq: 04 Feb 2025 17:23

Instrument :
MSVOA_Y
ClientSampleId :

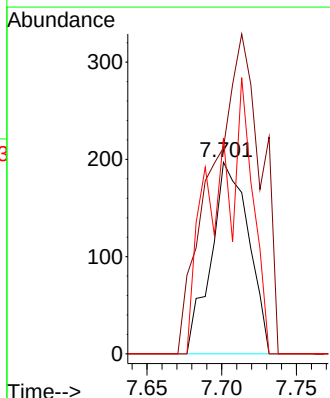
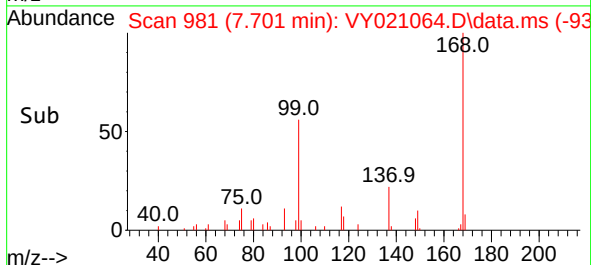
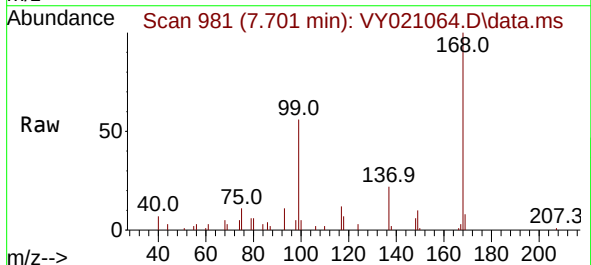


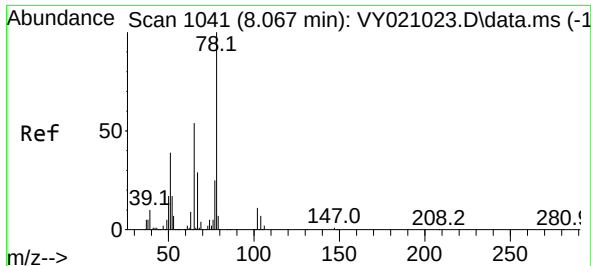
Tgt Ion: 43 Resp: 42
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY021064.D
Acq: 04 Feb 2025 17:23

Tgt Ion: 56 Resp: 344
Ion Ratio Lower Upper
56 100
69 107.6 27.0 40.6#
84 112.7 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 34.696 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021064.D

Acq: 04 Feb 2025 17:23

Instrument :

MSVOA_Y

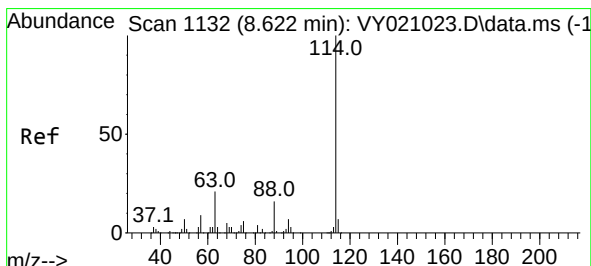
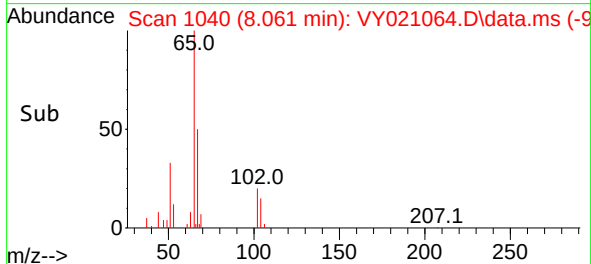
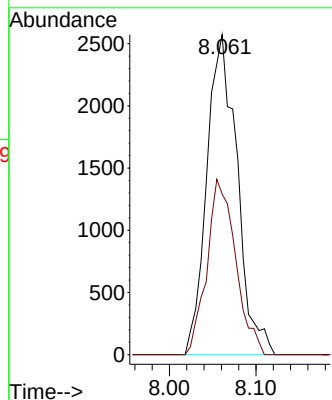
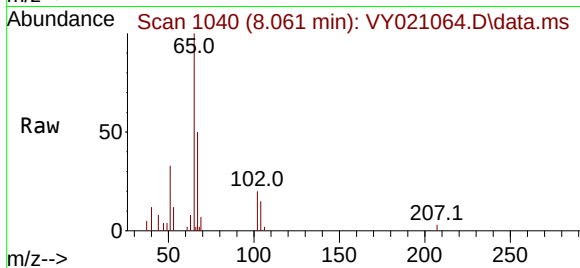
ClientSampleId :

Tgt Ion: 65 Resp: 6248

Ion Ratio Lower Upper

65 100

67 51.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021064.D

Acq: 04 Feb 2025 17:23

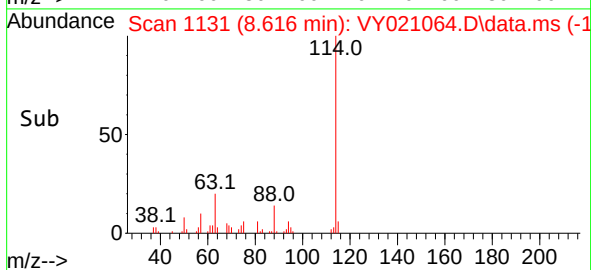
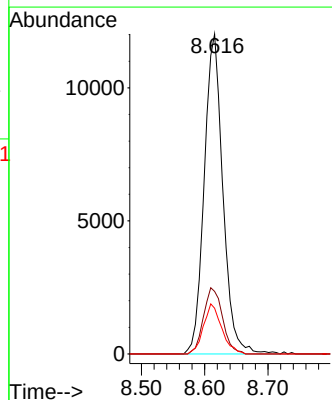
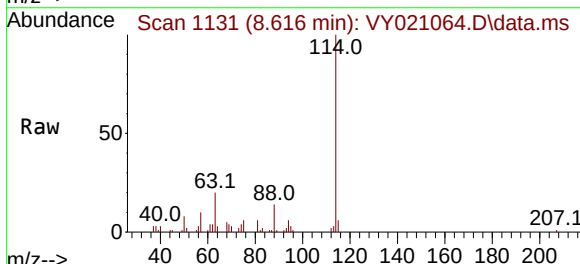
Tgt Ion: 114 Resp: 24690

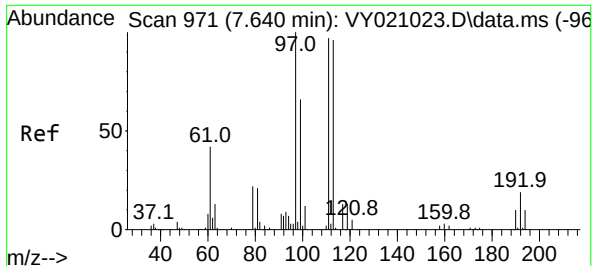
Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

88 14.3 0.0 29.0

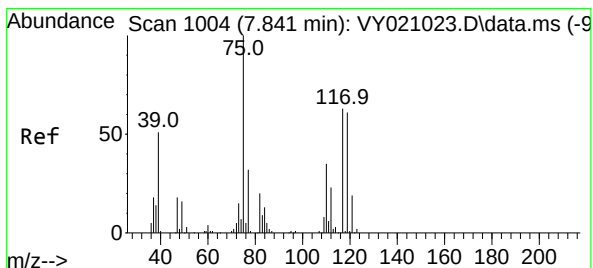
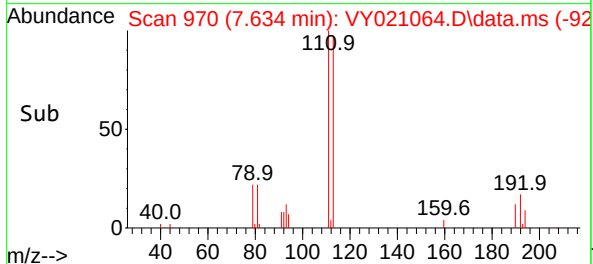
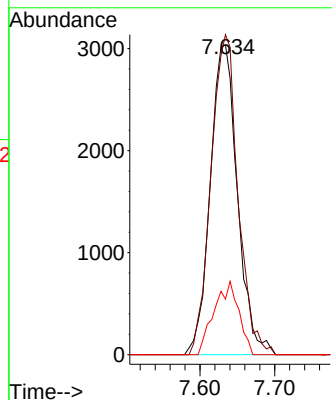
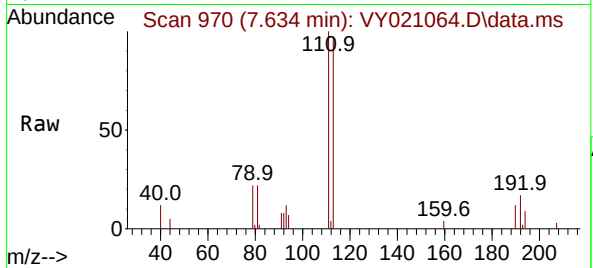




#35
Dibromofluoromethane
Concen: 48.587 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021064.D
Acq: 04 Feb 2025 17:23

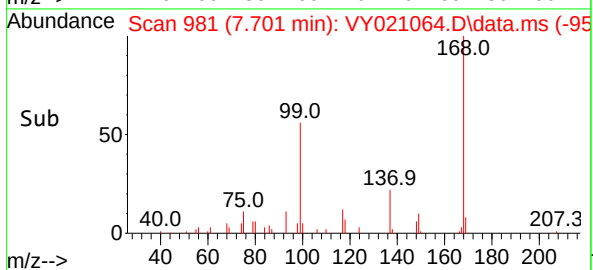
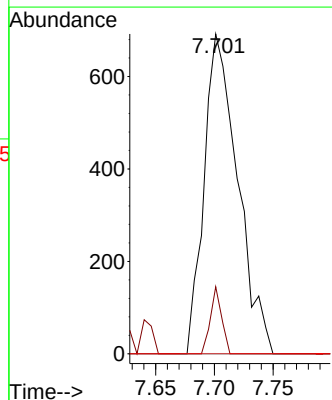
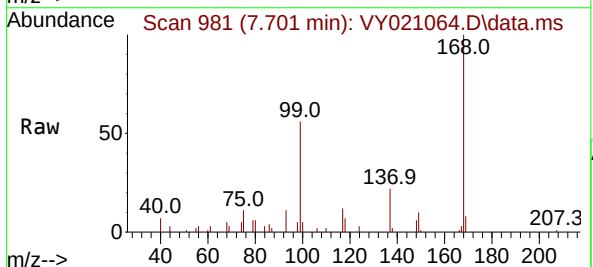
Instrument :
MSVOA_Y
ClientSampleId :

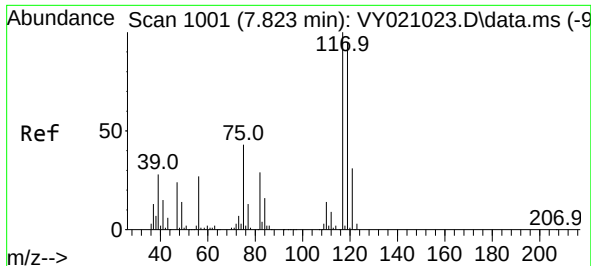
Tgt Ion:113 Resp: 7688
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.6
192 21.4 14.5 21.7



#36
1,1-Dichloropropene
Concen: 5.863 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY021064.D
Acq: 04 Feb 2025 17:23

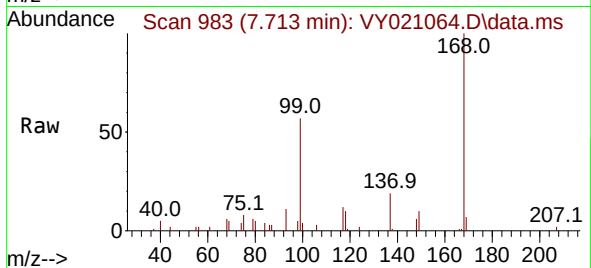
Tgt Ion: 75 Resp: 1374
Ion Ratio Lower Upper
75 100
110 7.1 17.4 52.3#
77 0.0 24.7 37.1#



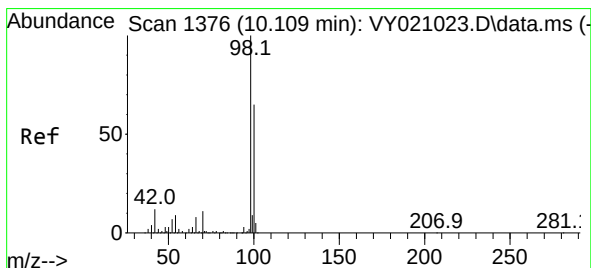
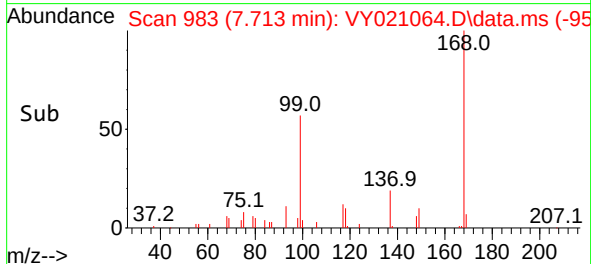
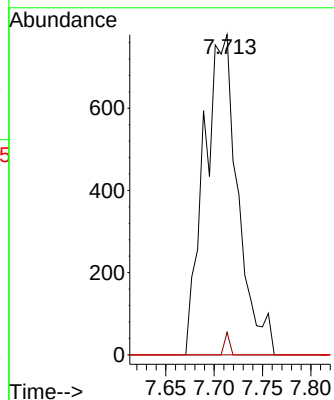


#38
Carbon Tetrachloride
Concen: 6.905 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021064.D
Acq: 04 Feb 2025 17:23

Instrument :
MSVOA_Y
ClientSampleId :

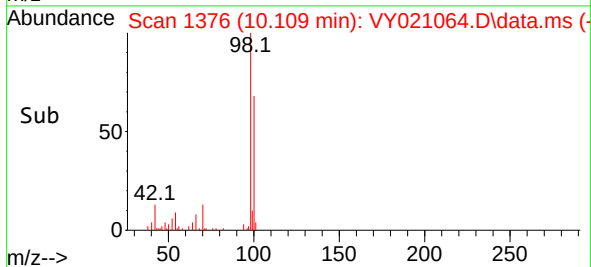
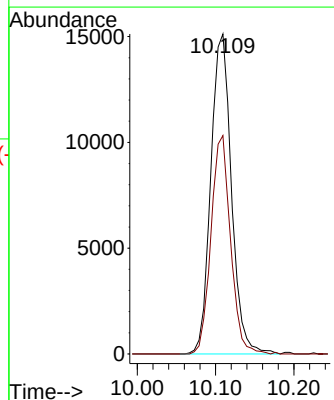
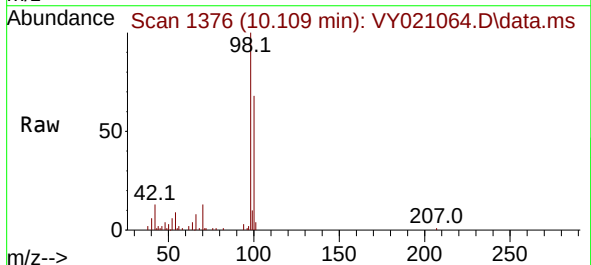


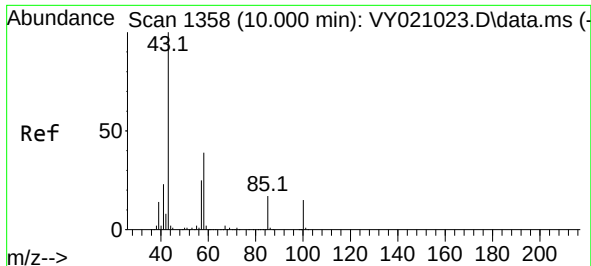
Tgt Ion:117 Resp: 1891
Ion Ratio Lower Upper
117 100
119 7.1 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 45.899 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021064.D
Acq: 04 Feb 2025 17:23

Tgt Ion: 98 Resp: 27649
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5

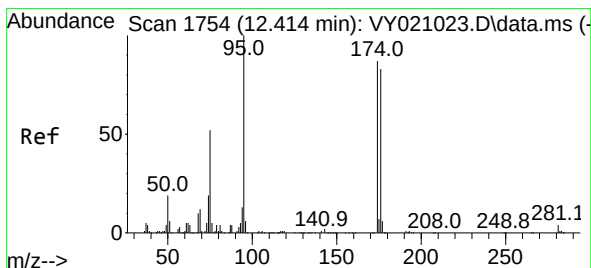
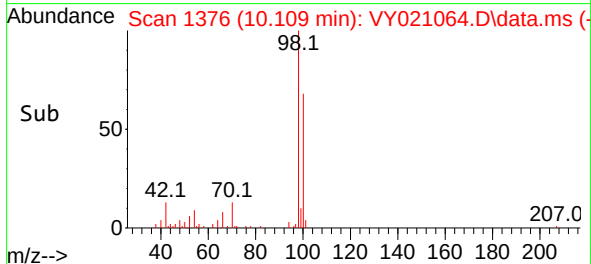
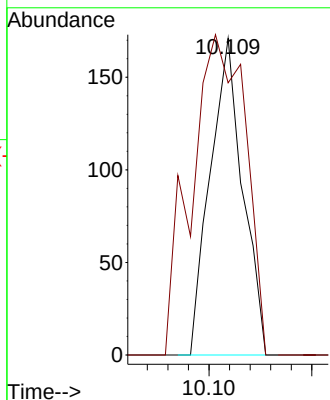
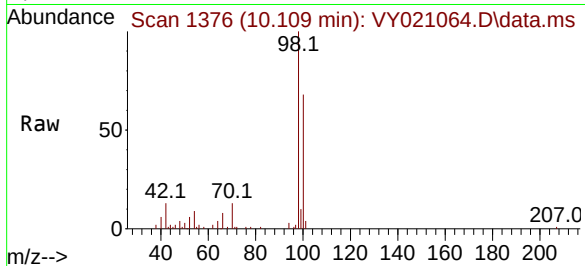




#51
4-Methyl-2-Pentanone
Concen: 1.830 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY021064.D
Acq: 04 Feb 2025 17:23

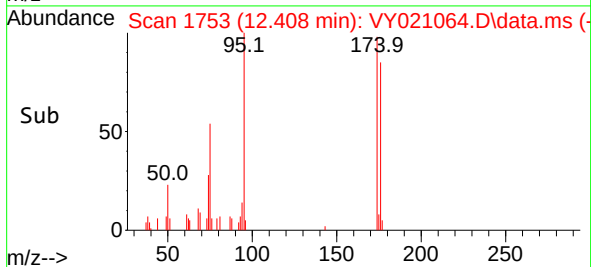
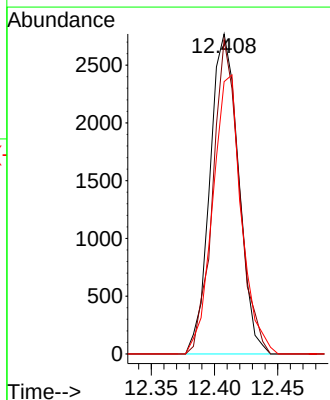
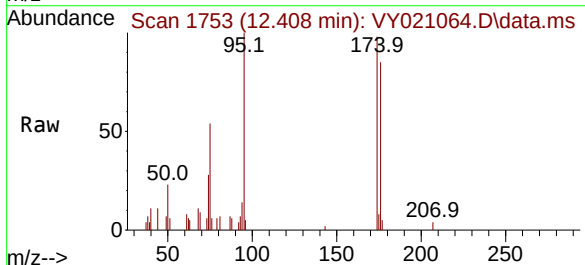
Instrument :
MSVOA_Y
ClientSampleId :

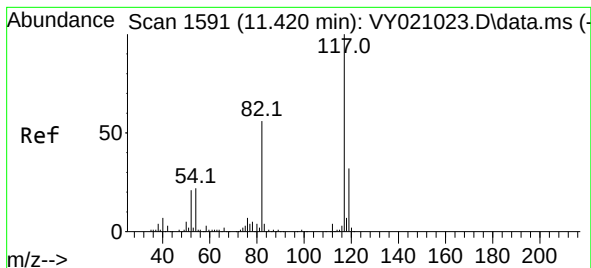
Tgt Ion: 43 Resp: 188
Ion Ratio Lower Upper
43 100
58 168.6 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 22.139 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021064.D
Acq: 04 Feb 2025 17:23

Tgt Ion: 95 Resp: 4357
Ion Ratio Lower Upper
95 100
174 90.9 0.0 160.0
176 87.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021064.D

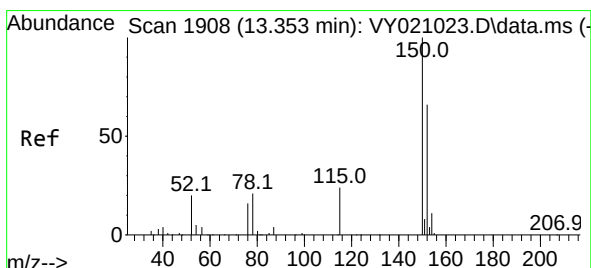
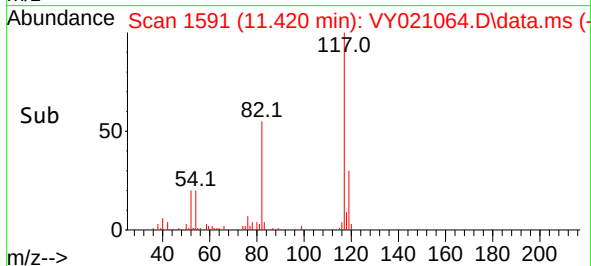
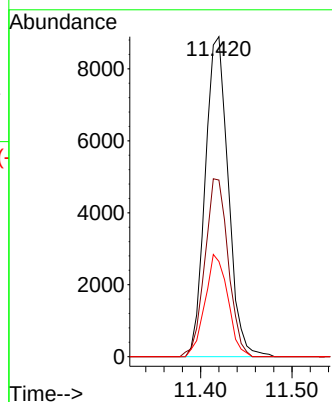
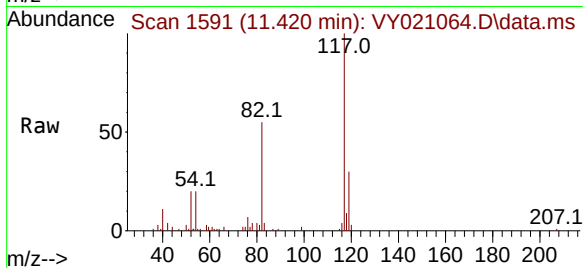
Acq: 04 Feb 2025 17:23

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	15529
Ion	Ratio	Lower Upper
117	100	
82	55.2	43.8 65.8
119	29.7	26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

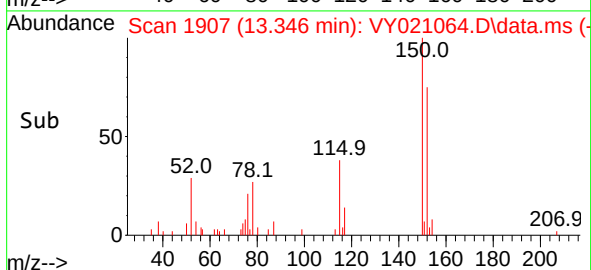
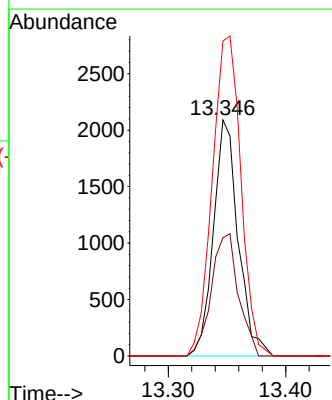
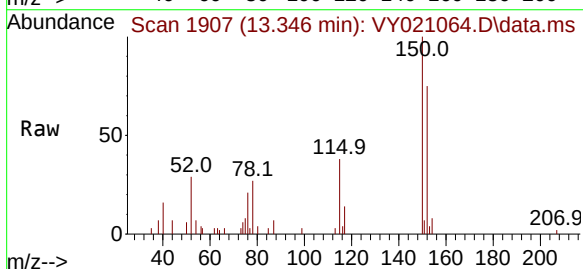
RT: 13.346 min Scan# 1907

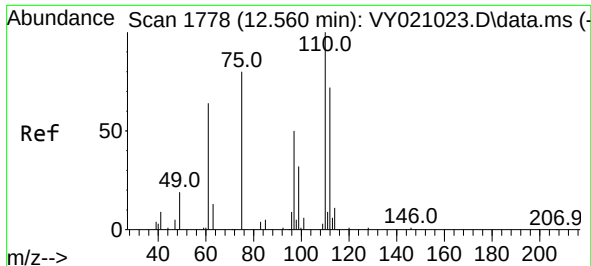
Delta R.T. -0.006 min

Lab File: VY021064.D

Acq: 04 Feb 2025 17:23

Tgt Ion:152	Resp:	3061
Ion	Ratio	Lower Upper
152	100	
115	56.6	30.0 90.0
150	156.1	0.0 344.6

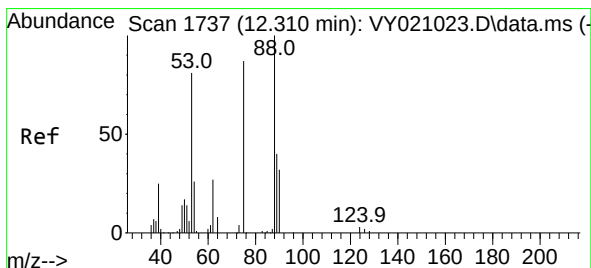
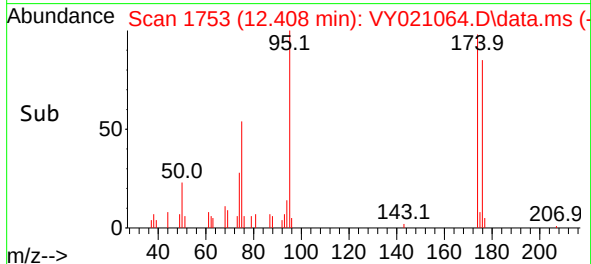
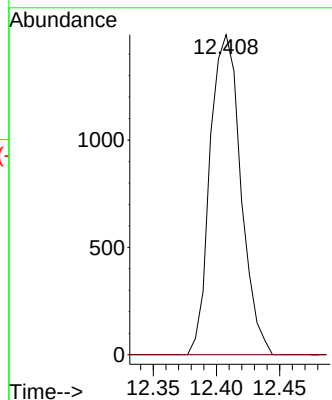
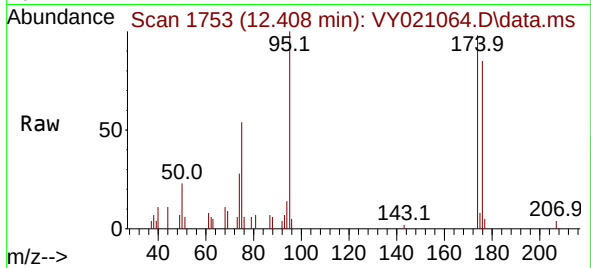




#76
1,2,3-Trichloropropane
Concen: 90.899 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY021064.D
Acq: 04 Feb 2025 17:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 2524
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 185.478 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY021064.D
Acq: 04 Feb 2025 17:23

Tgt Ion: 75 Resp: 2524
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

