

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015089.D
 Acq On : 14 Aug 2023 19:09
 Operator : SY/MD
 Sample : 03989-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP24B

Quant Time: Aug 15 02:24:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

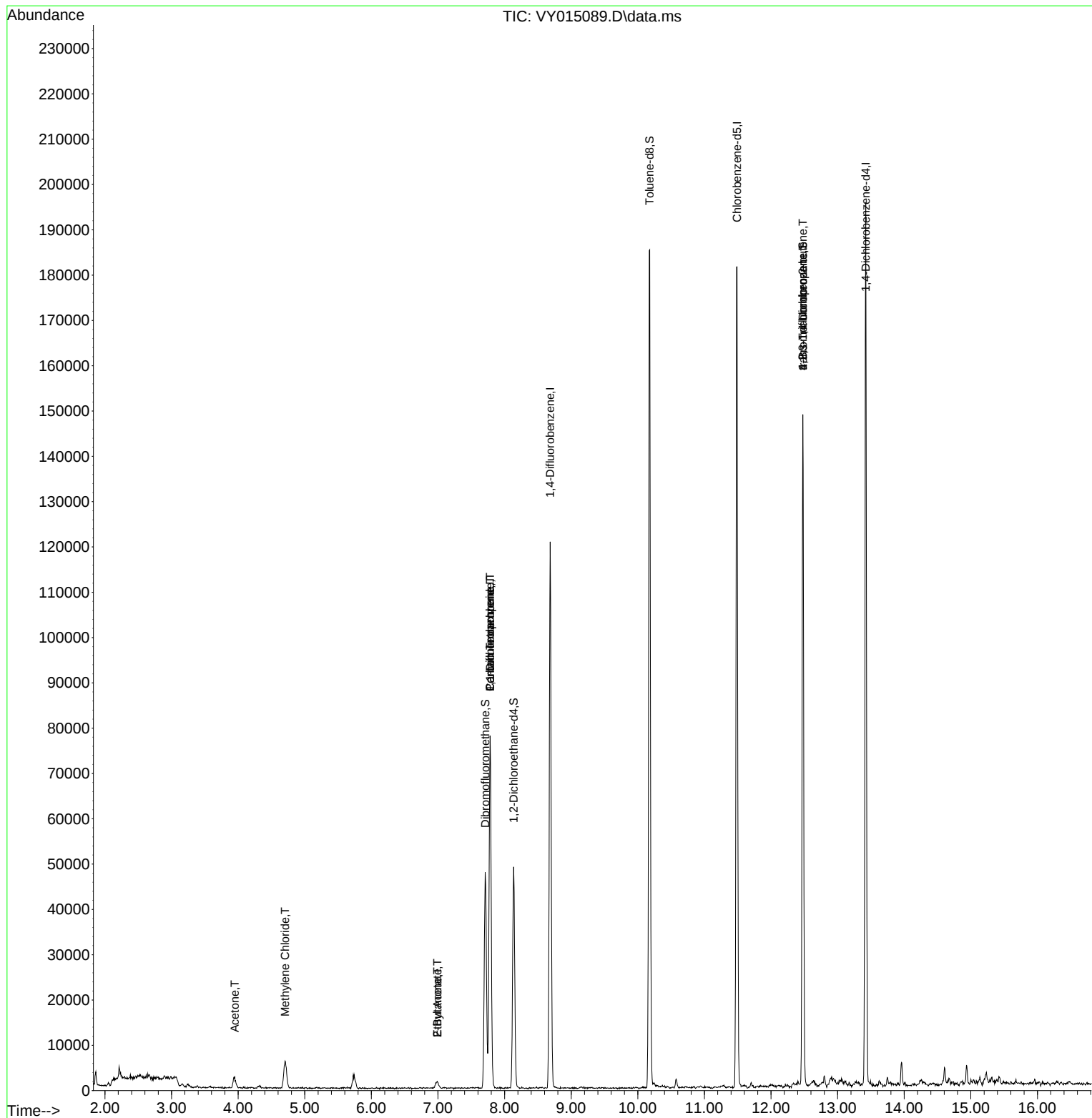
Internal Standards						
1) Pentafluorobenzene	7.782	168	59283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	102874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	98935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	49218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	38251	53.751	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.500%	
35) Dibromofluoromethane	7.709	113	32996	49.856	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.720%	
50) Toluene-d8	10.178	98	123363	50.072	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.140%	
62) 4-Bromofluorobenzene	12.477	95	44574	49.535	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	397	Below Cal	#	43
5) Bromomethane	2.655	94	382	Below Cal	#	65
16) Acetone	3.948	43	4414	18.987	ug/l	93
20) Methylene Chloride	4.704	84	4751	4.601	ug/l	91
25) 2-Butanone	6.990	43	2093	6.358	ug/l	90
31) Cyclohexane	7.782	56	1223	Below Cal	#	1
36) 1,1-Dichloropropene	7.782	75	4603	6.287	ug/l #	51
37) Ethyl Acetate	6.990	43	2093	3.067	ug/l #	71
38) Carbon Tetrachloride	7.782	117	5996	6.919	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	24415	40.830	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	24415	89.683	ug/l #	11

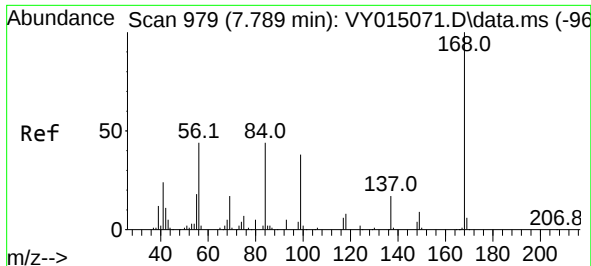
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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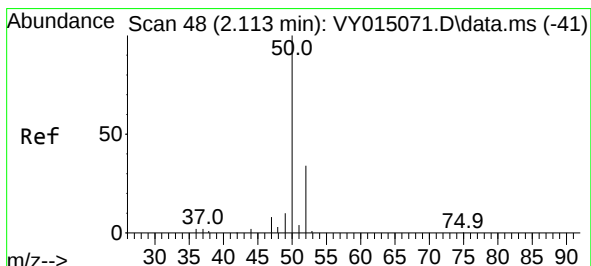
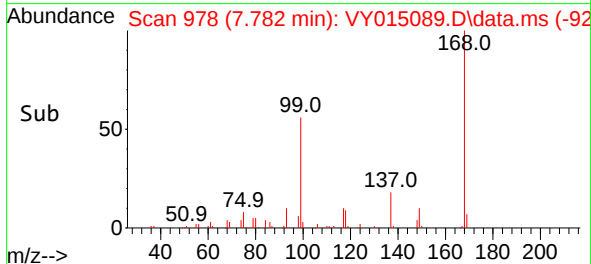
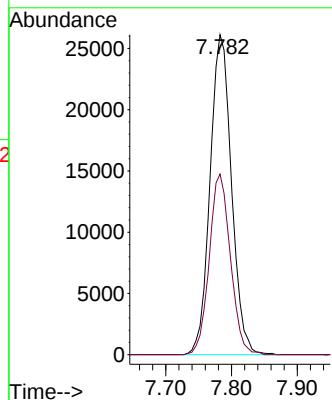
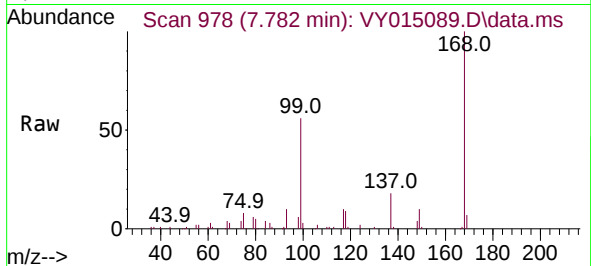




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY015089.D
Acq: 14 Aug 2023 19:09

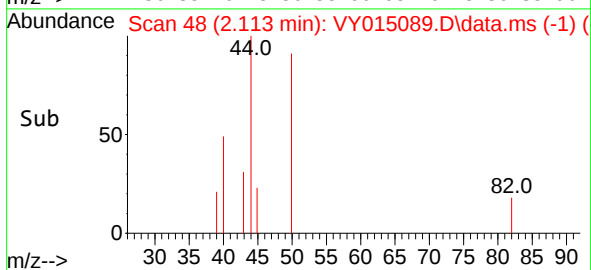
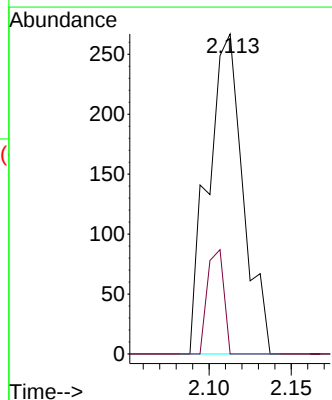
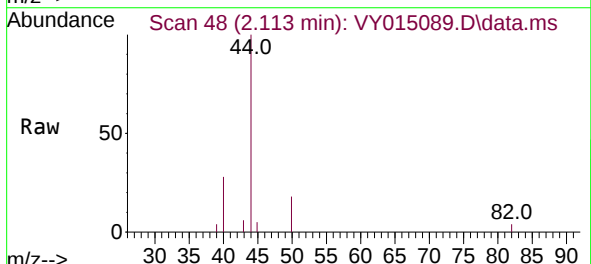
Instrument :
MSVOA_Y
ClientSampleId :
B-PP24B

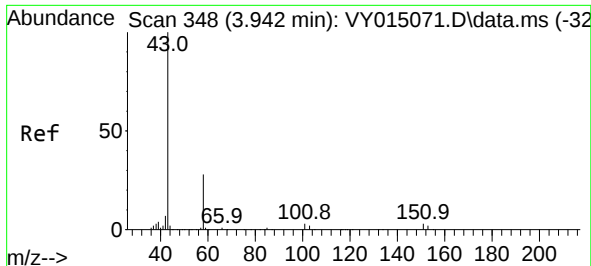
Tgt Ion:168 Resp: 59283
Ion Ratio Lower Upper
168 100
99 56.4 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015089.D
Acq: 14 Aug 2023 19:09

Tgt Ion: 50 Resp: 397
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#16

Acetone

Concen: 18.987 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY015089.D

Acq: 14 Aug 2023 19:09

Instrument :

MSVOA_Y

ClientSampleId :

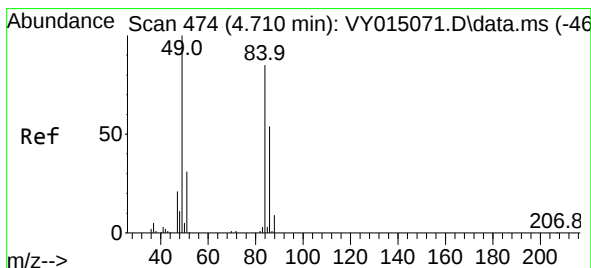
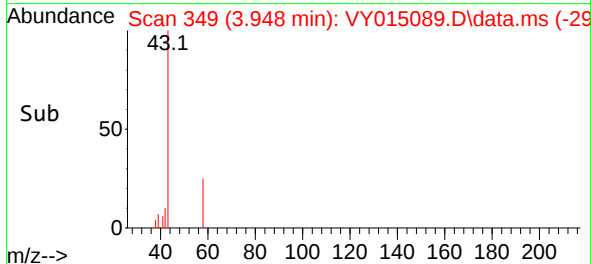
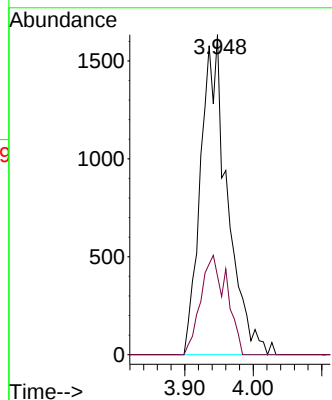
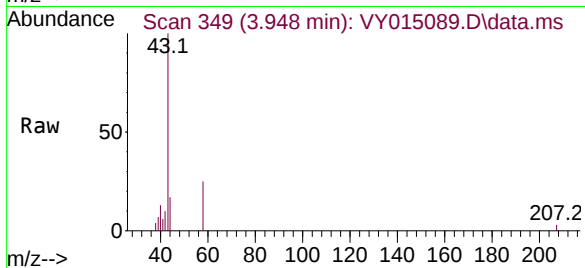
B-PP24B

Tgt Ion: 43 Resp: 4414

Ion Ratio Lower Upper

43 100

58 24.6 22.7 34.1



#20

Methylene Chloride

Concen: 4.601 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY015089.D

Acq: 14 Aug 2023 19:09

Tgt Ion: 84 Resp: 4751

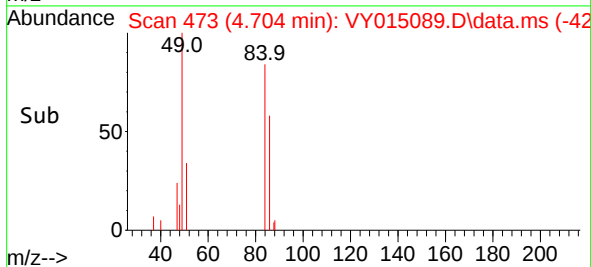
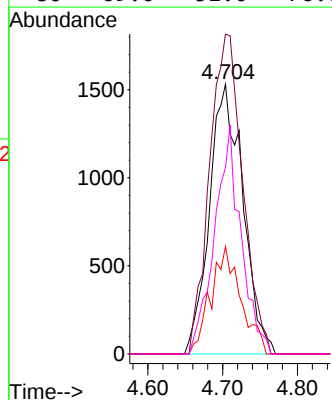
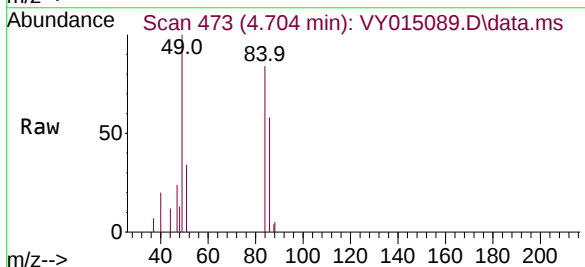
Ion Ratio Lower Upper

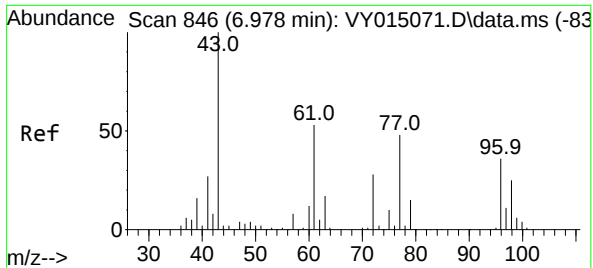
84 100

49 118.6 106.9 160.3

51 39.8 33.2 49.8

86 69.0 51.0 76.6





#25

2-Butanone

Concen: 6.358 ug/l

RT: 6.990 min Scan# 846

Delta R.T. 0.012 min

Lab File: VY015089.D

Acq: 14 Aug 2023 19:09

Instrument :

MSVOA_Y

ClientSampleId :

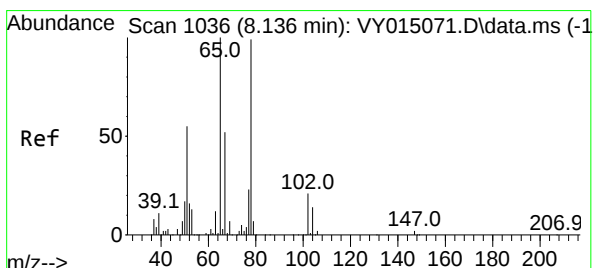
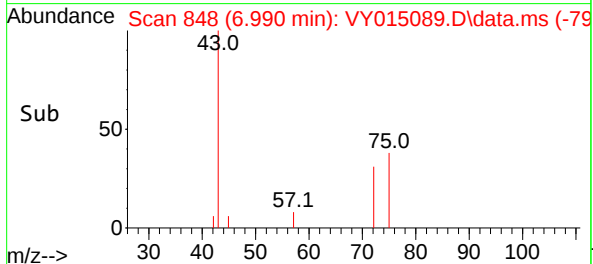
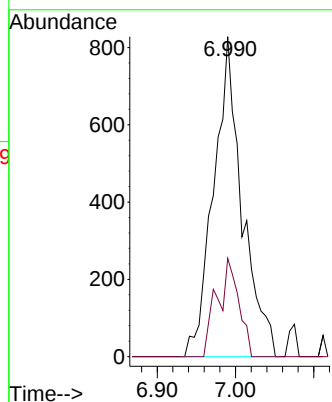
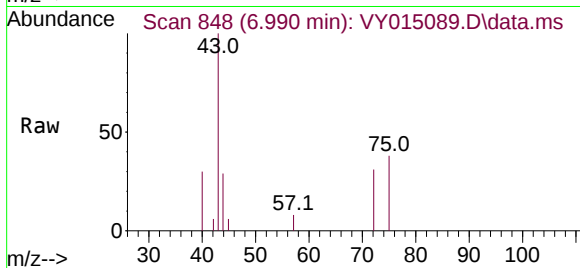
B-PP24B

Tgt Ion: 43 Resp: 2093

Ion Ratio Lower Upper

43 100

72 30.7 20.5 30.7



#33

1,2-Dichloroethane-d4

Concen: 53.751 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015089.D

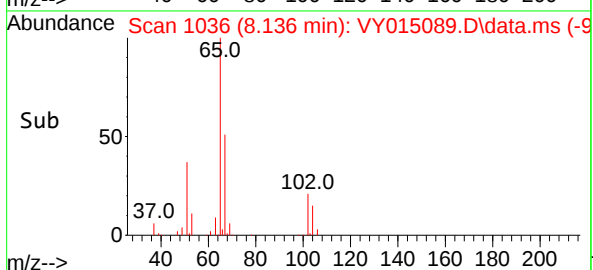
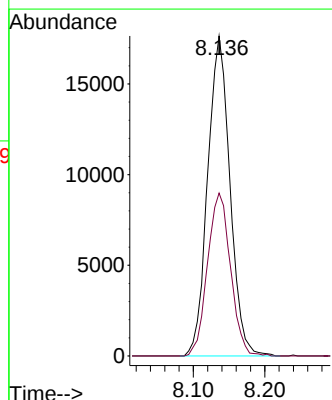
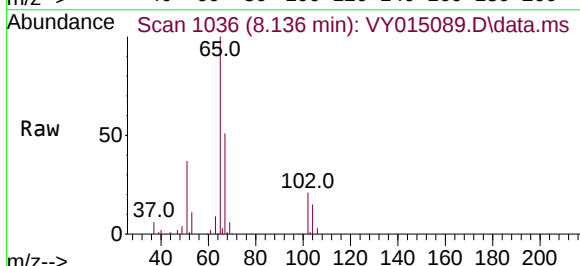
Acq: 14 Aug 2023 19:09

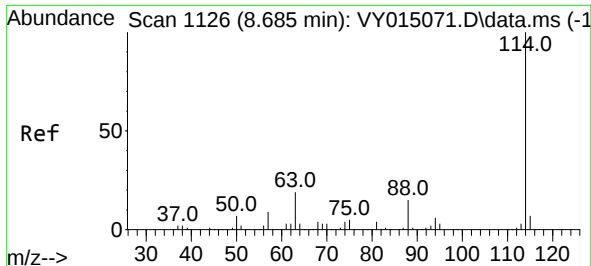
Tgt Ion: 65 Resp: 38251

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015089.D

Acq: 14 Aug 2023 19:09

Instrument :

MSVOA_Y

ClientSampleId :

B-PP24B

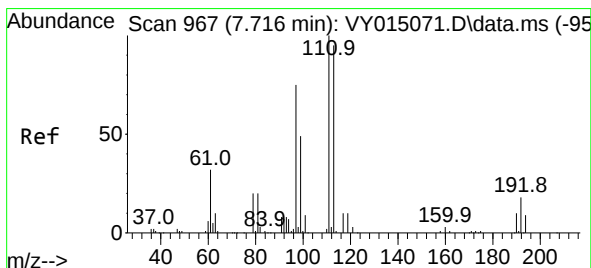
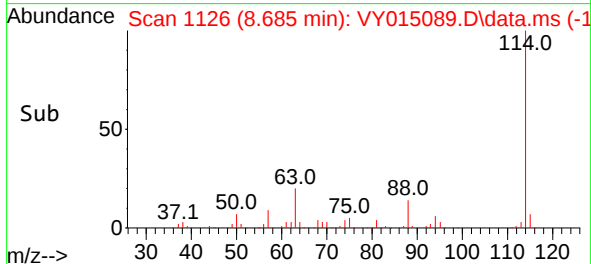
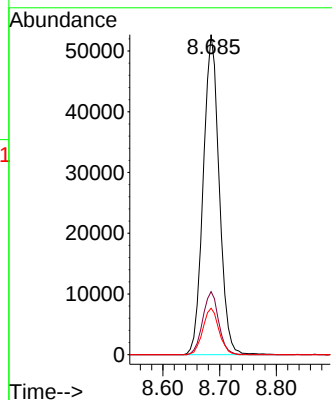
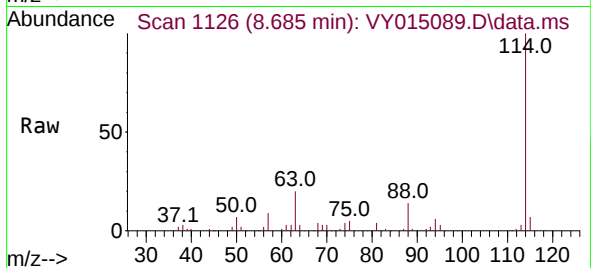
Tgt Ion:114 Resp: 102874

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.856 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015089.D

Acq: 14 Aug 2023 19:09

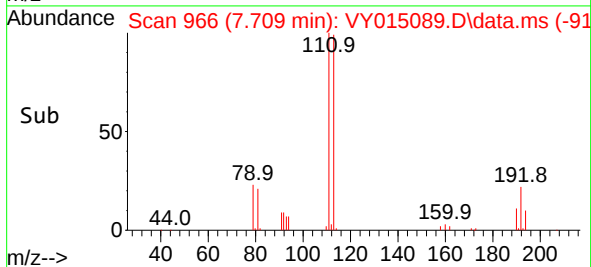
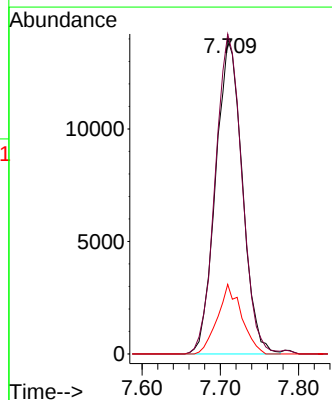
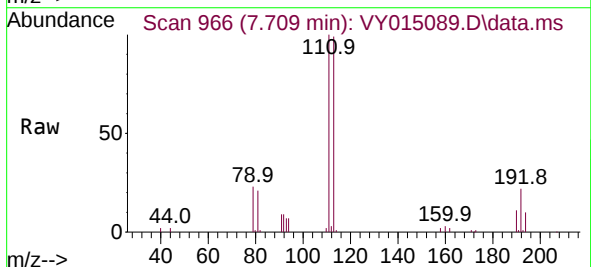
Tgt Ion:113 Resp: 32996

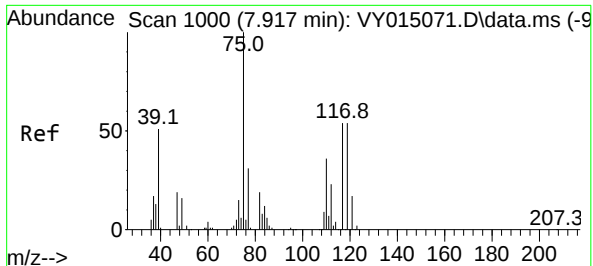
Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

192 20.1 16.9 25.3

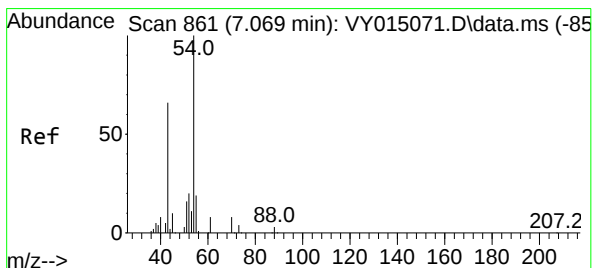
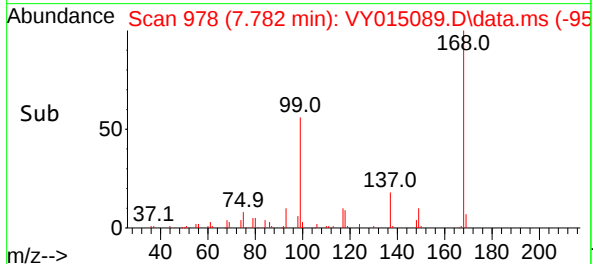
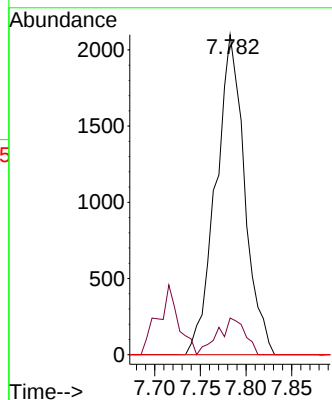
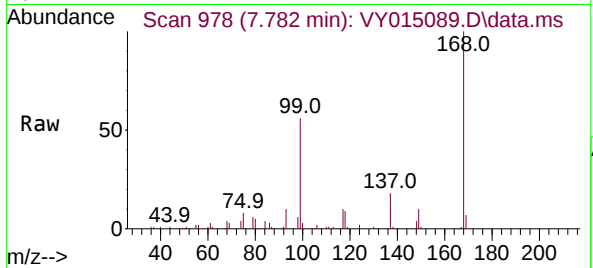




#36
 1,1-Dichloropropene
 Concen: 6.287 ug/l
 RT: 7.782 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY015089.D
 Acq: 14 Aug 2023 19:09

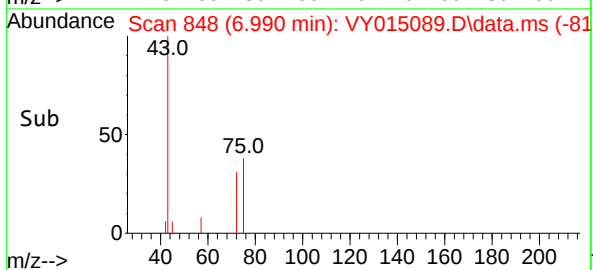
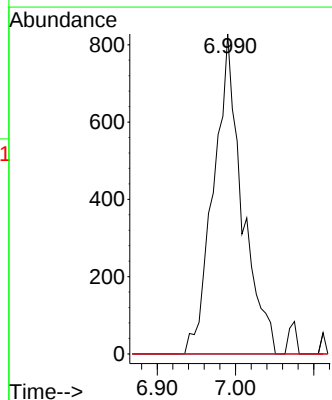
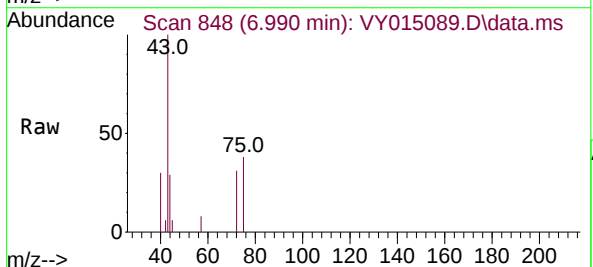
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP24B

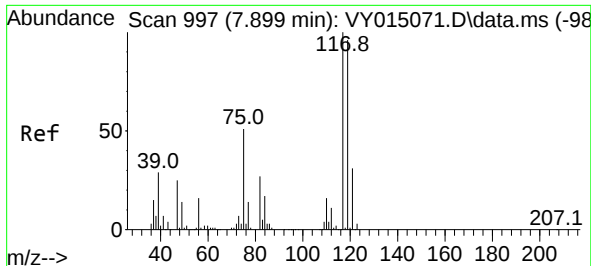
Tgt Ion: 75 Resp: 4603
 Ion Ratio Lower Upper
 75 100
 110 10.9 17.8 53.5#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 3.067 ug/l
 RT: 6.990 min Scan# 848
 Delta R.T. -0.080 min
 Lab File: VY015089.D
 Acq: 14 Aug 2023 19:09

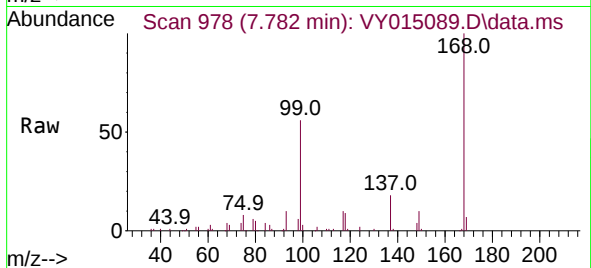
Tgt Ion: 43 Resp: 2093
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.1 15.1#
 70 0.0 7.1 10.7#



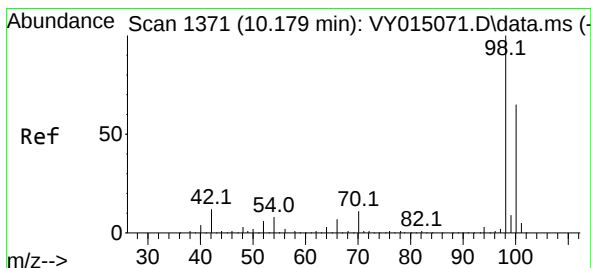
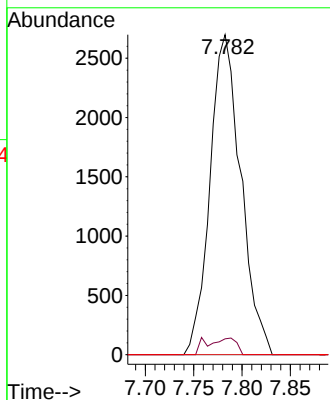
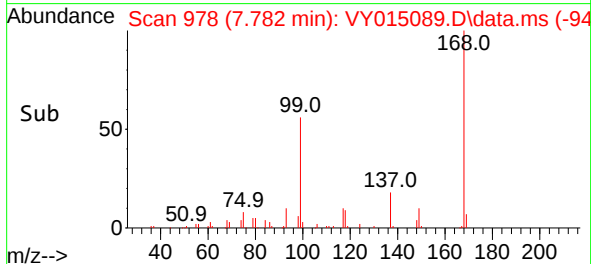


#38
Carbon Tetrachloride
Concen: 6.919 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015089.D
Acq: 14 Aug 2023 19:09

Instrument :
MSVOA_Y
ClientSampleId :
B-PP24B

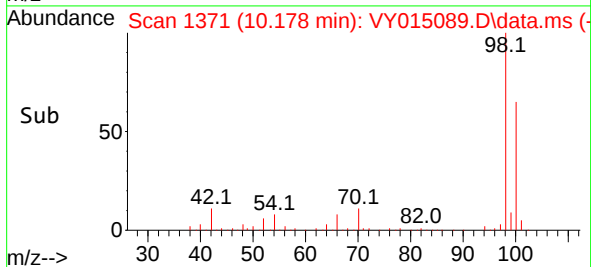
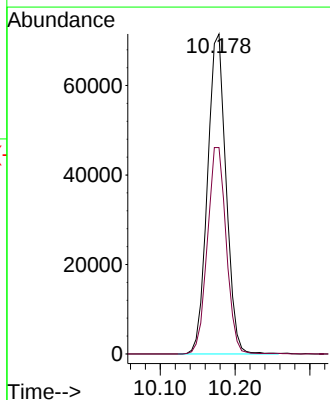
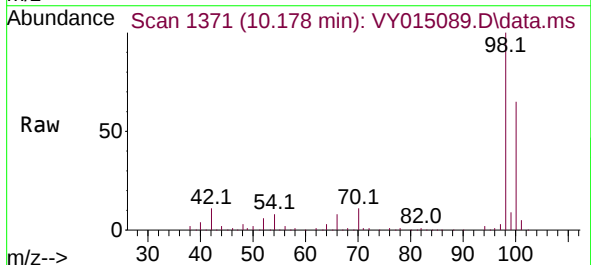


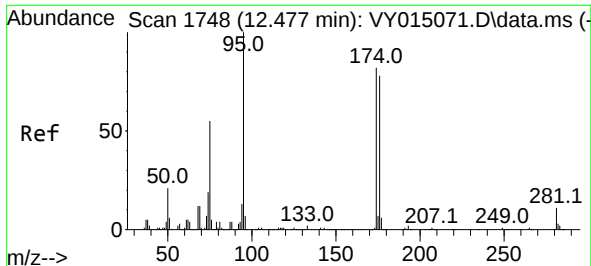
Tgt Ion:117 Resp: 5996
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.072 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015089.D
Acq: 14 Aug 2023 19:09

Tgt Ion: 98 Resp: 123363
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1

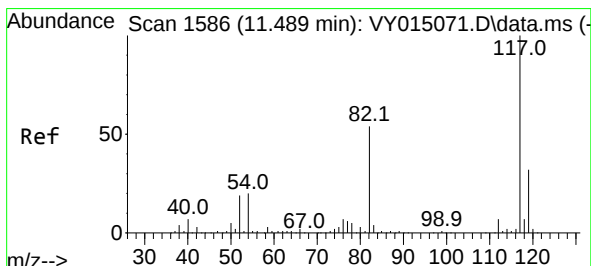
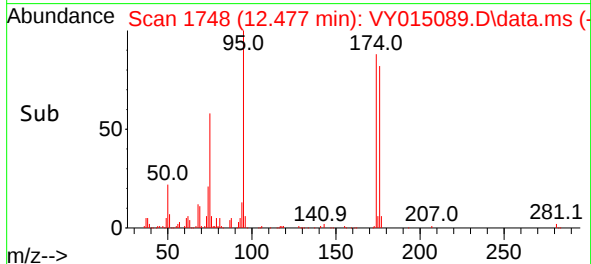
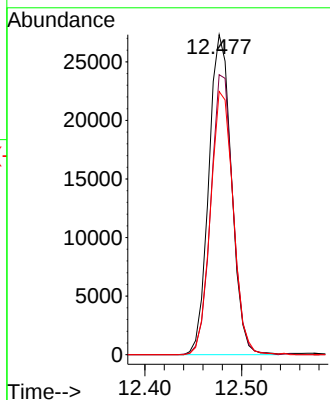
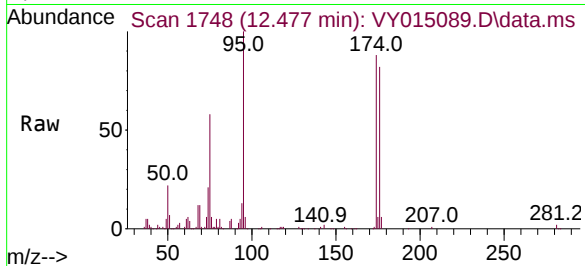




#62
4-Bromofluorobenzene
Concen: 49.535 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015089.D
Acq: 14 Aug 2023 19:09

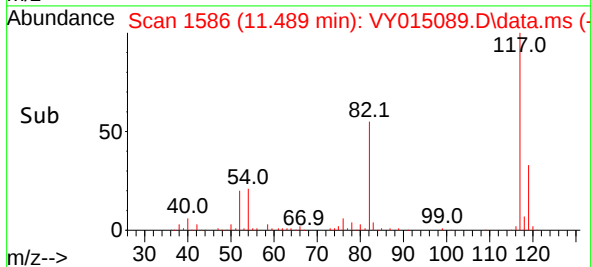
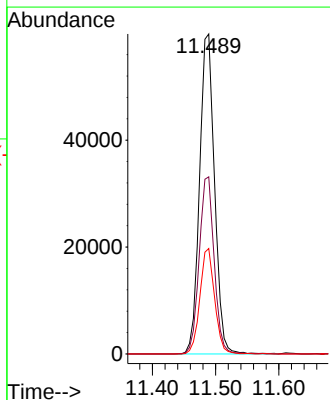
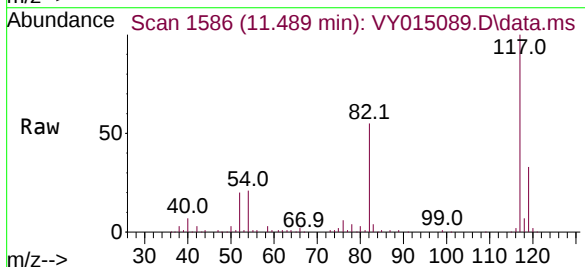
Instrument :
MSVOA_Y
ClientSampleId :
B-PP24B

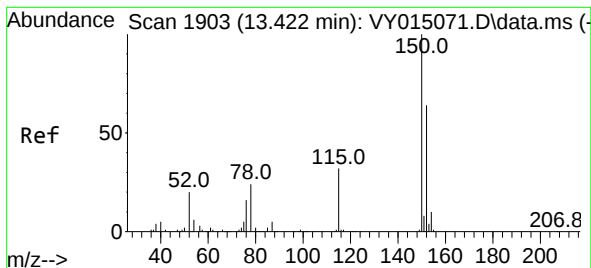
Tgt Ion:	95	Resp:	44574
Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	178.2
176	82.4	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015089.D
Acq: 14 Aug 2023 19:09

Tgt Ion:	117	Resp:	98935
Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.4	65.0
119	33.0	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY015089.D

Acq: 14 Aug 2023 19:09

Instrument :

MSVOA_Y

ClientSampleId :

B-PP24B

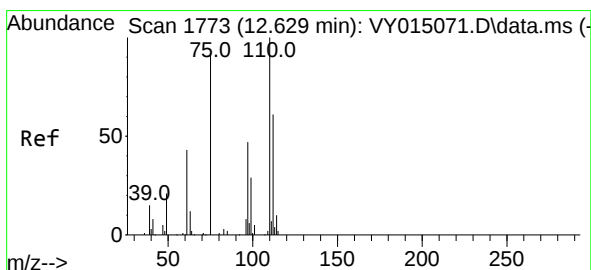
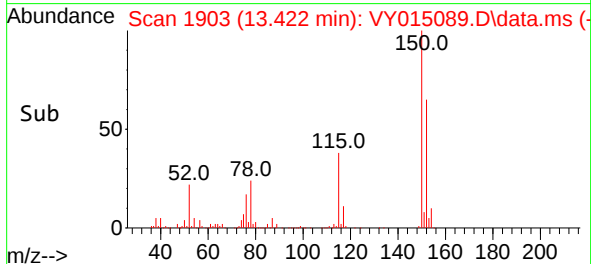
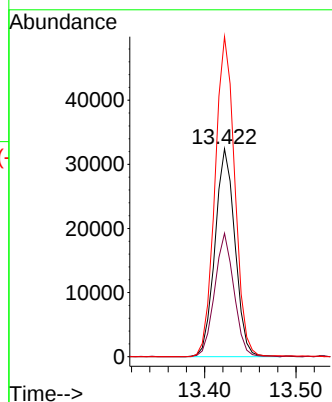
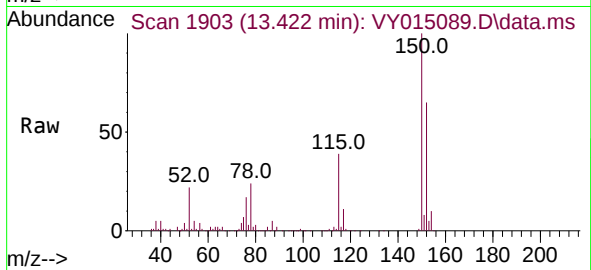
Tgt Ion:152 Resp: 49218

Ion Ratio Lower Upper

152 100

115 57.3 28.8 86.5

150 152.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.830 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY015089.D

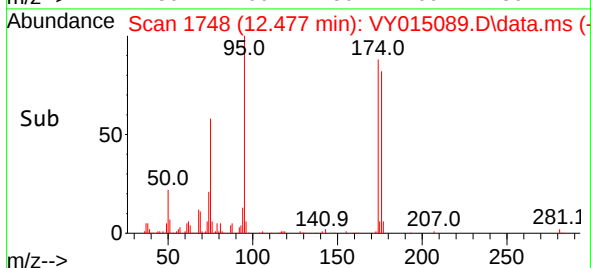
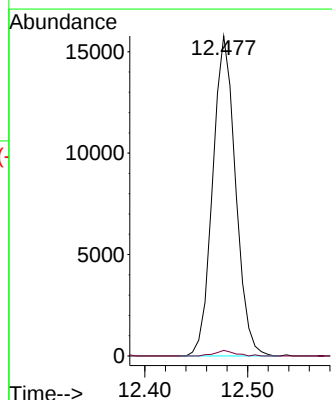
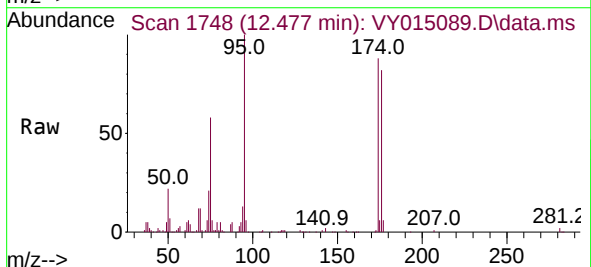
Acq: 14 Aug 2023 19:09

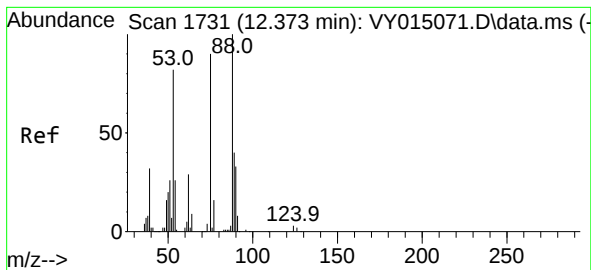
Tgt Ion: 75 Resp: 24415

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.683 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY015089.D
 Acq: 14 Aug 2023 19:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP24B

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	77.8	116.8#
89	0.0	37.4	56.0#

