

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013661.D
 Acq On : 09 May 2023 12:27
 Operator : KP/MD
 Sample : 02680-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-050823

Quant Time: May 10 05:35:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

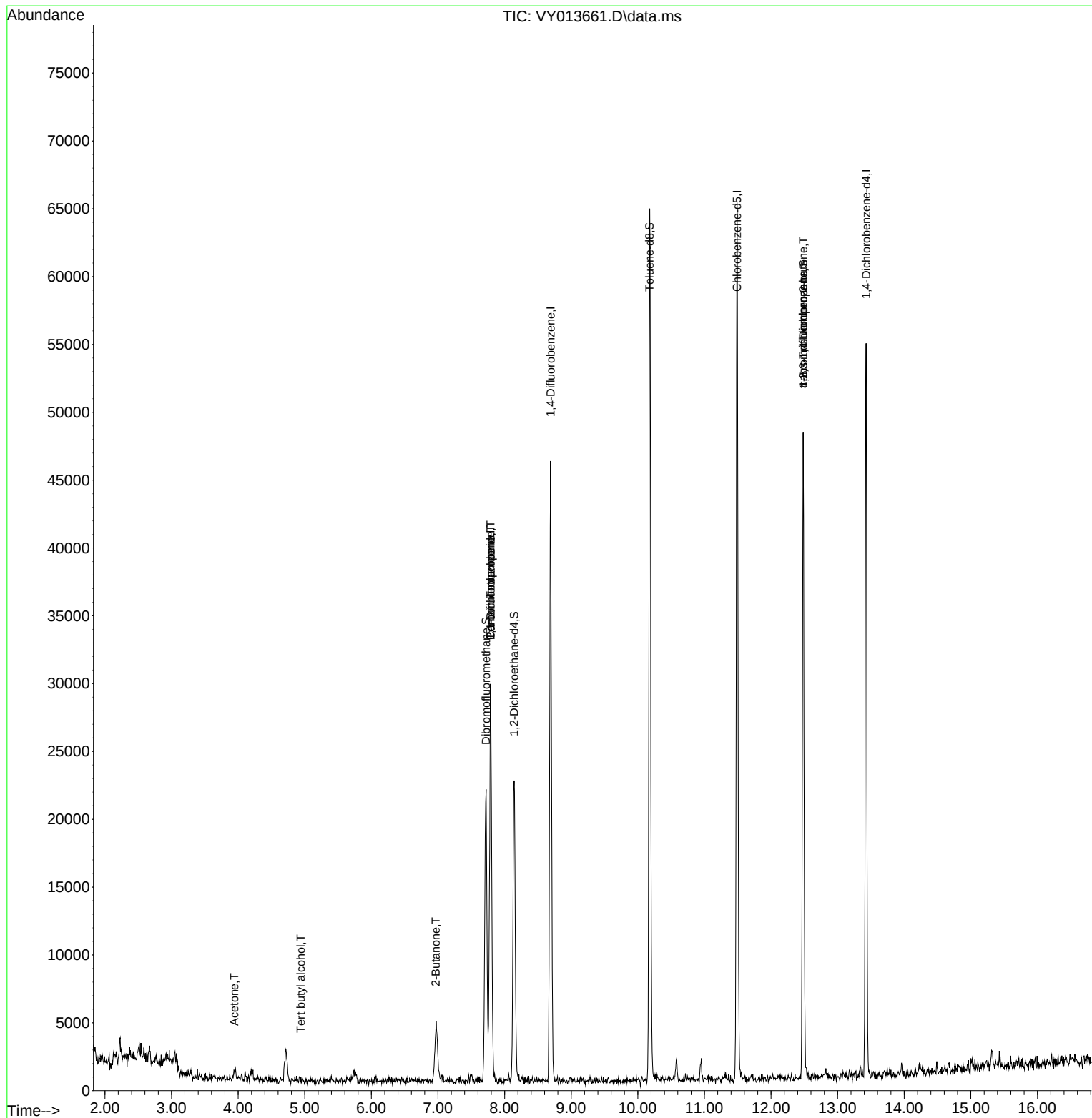
Internal Standards						
1) Pentafluorobenzene	7.789	168	22146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	36937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	36190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	13577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	18961	78.103	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 156.200%			
35) Dibromofluoromethane	7.722	113	14526	62.527	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 125.060%			
50) Toluene-d8	10.179	98	43382	52.492	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.980%			
62) 4-Bromofluorobenzene	12.483	95	12764	45.812	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.620%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	76	3.422	ug/l #	89
13) Acrolein	3.741	56	37	Below Cal	#	16
16) Acetone	3.942	43	544	5.690	ug/l #	60
20) Methylene Chloride	4.722	84	1537	Below Cal	#	83
25) 2-Butanone	6.966	43	305	2.516	ug/l #	47
36) 1,1-Dichloropropene	7.789	75	1788	4.637	ug/l #	43
38) Carbon Tetrachloride	7.789	117	2291	5.669	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	6665	36.400	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6665	74.459	ug/l #	13

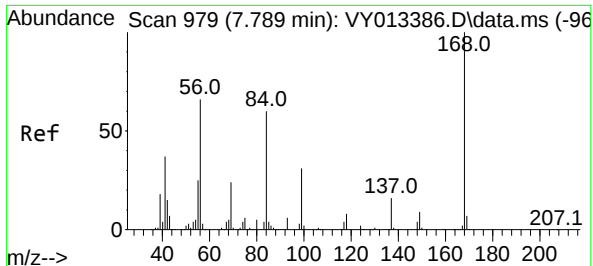
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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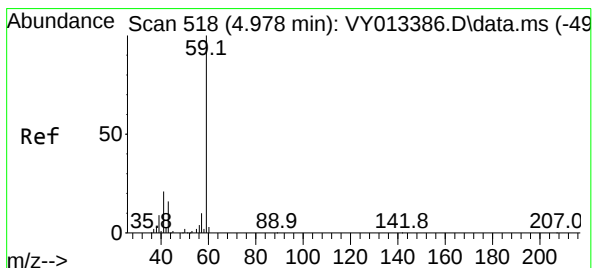
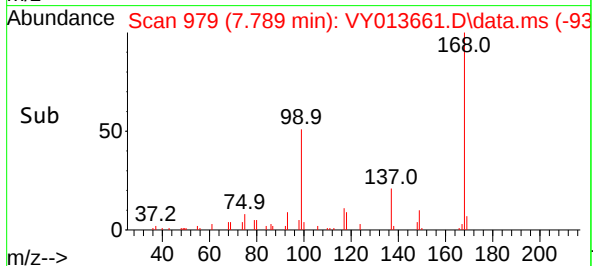
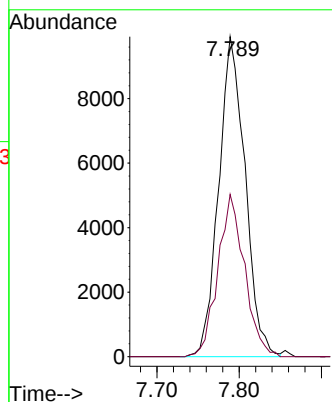
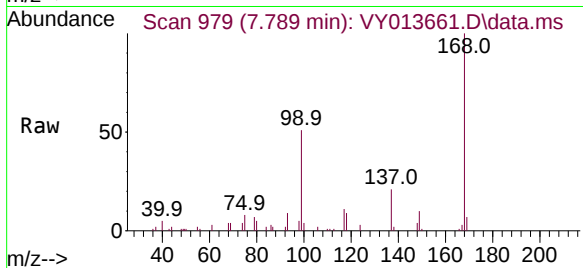




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013661.D
Acq: 09 May 2023 12:27

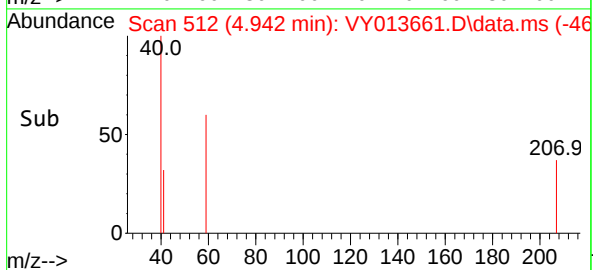
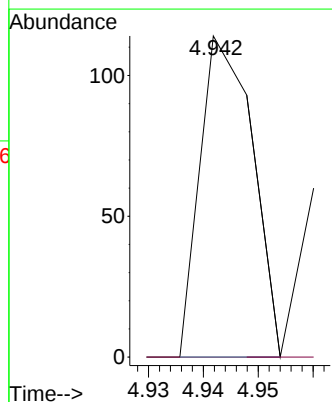
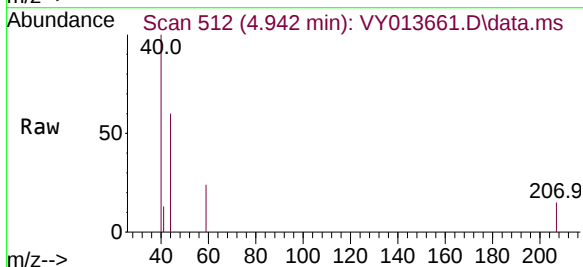
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-050823

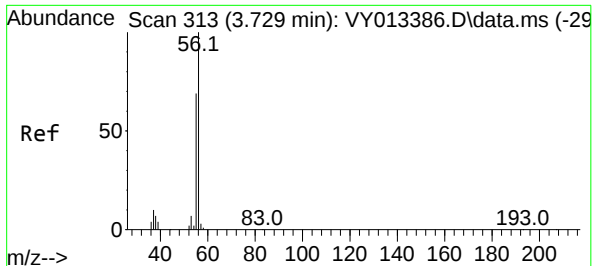
Tgt Ion:168 Resp: 22146
Ion Ratio Lower Upper
168 100
99 50.7 41.8 62.6



#11
Tert butyl alcohol
Concen: 3.422 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.036 min
Lab File: VY013661.D
Acq: 09 May 2023 12:27

Tgt Ion: 59 Resp: 76
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.741 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY013661.D

Acq: 09 May 2023 12:27

Instrument :

MSVOA_Y

ClientSampleId :

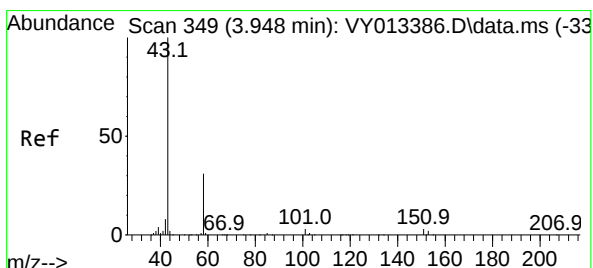
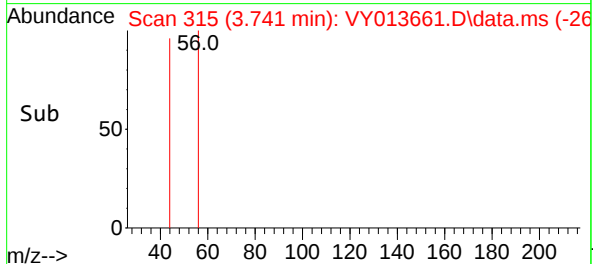
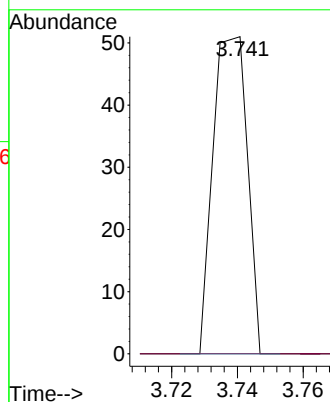
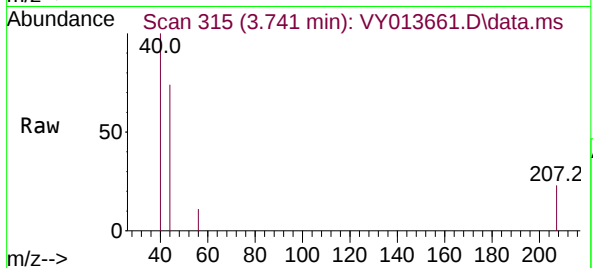
SU-02-050823

Tgt Ion: 56 Resp: 37

Ion Ratio Lower Upper

56 100

55 0.0 54.1 81.1#



#16

Acetone

Concen: 5.690 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY013661.D

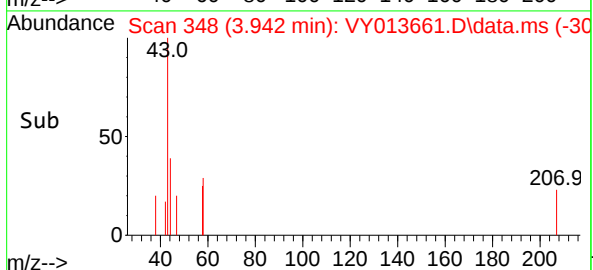
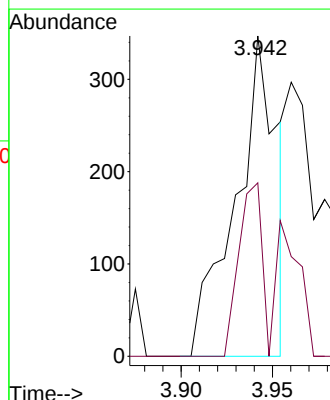
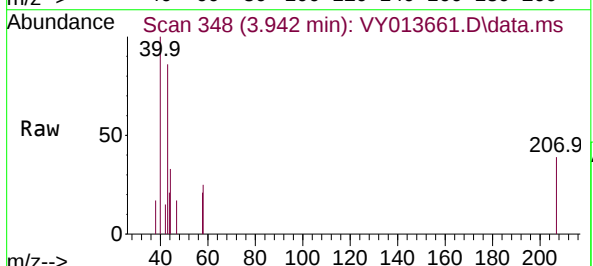
Acq: 09 May 2023 12:27

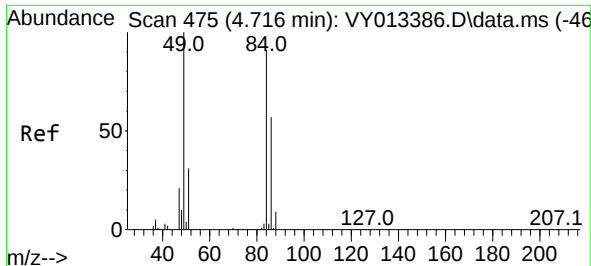
Tgt Ion: 43 Resp: 544

Ion Ratio Lower Upper

43 100

58 54.2 25.4 38.0#

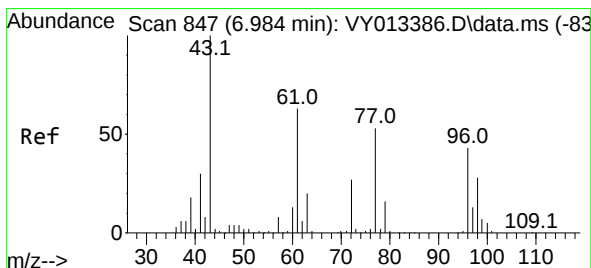
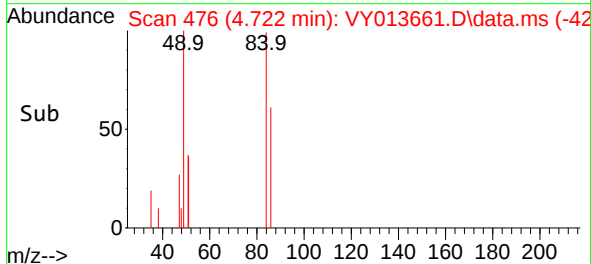
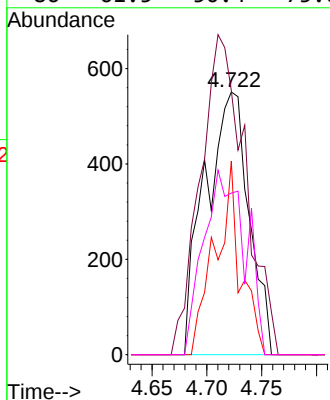
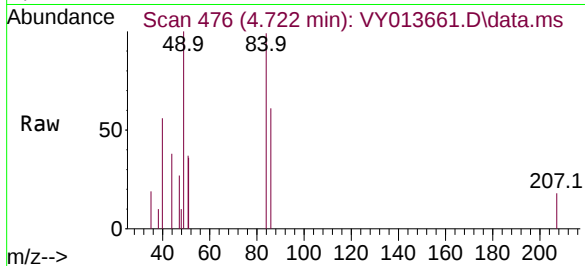




#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY013661.D
Acq: 09 May 2023 12:27

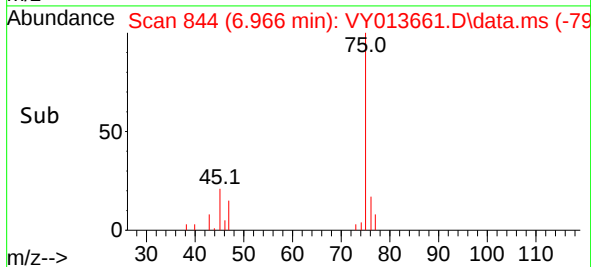
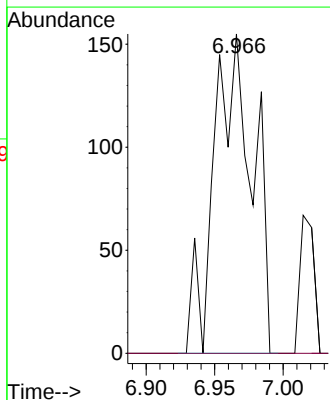
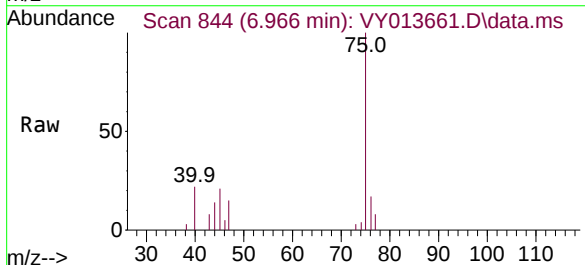
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-050823

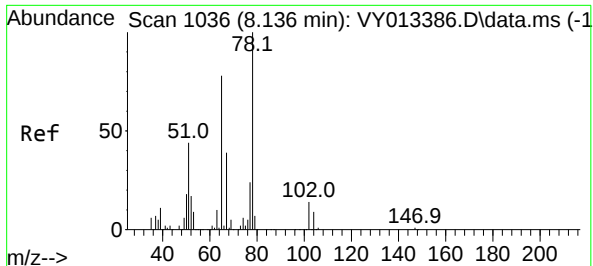
Tgt Ion:	84	Resp:	1537
Ion	Ratio	Lower	Upper
84	100		
49	100.5	88.0	132.0
51	73.7	27.4	41.0#
86	61.5	50.4	75.6



#25
2-Butanone
Concen: 2.516 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY013661.D
Acq: 09 May 2023 12:27

Tgt Ion:	43	Resp:	305
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.9	32.9#





#33

1,2-Dichloroethane-d4

Concen: 78.103 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY013661.D

Acq: 09 May 2023 12:27

Instrument :

MSVOA_Y

ClientSampleId :

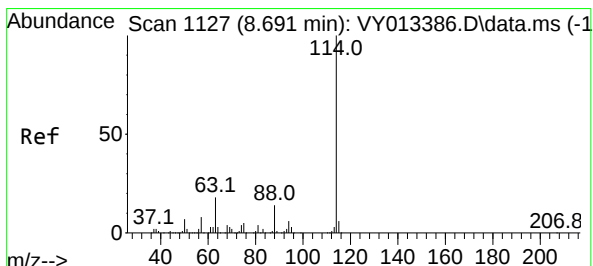
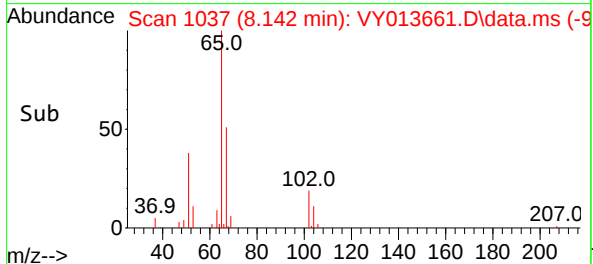
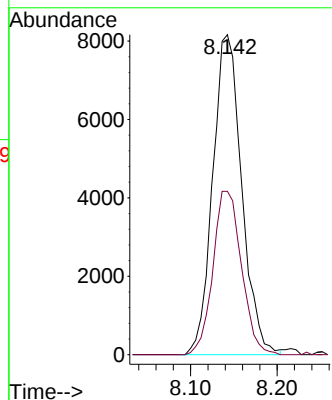
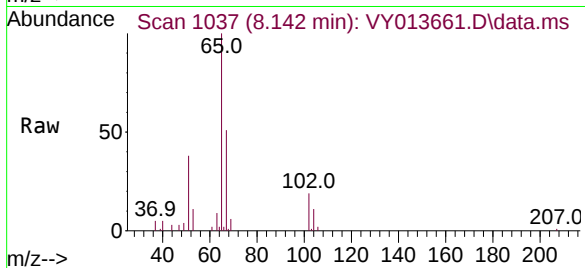
SU-02-050823

Tgt Ion: 65 Resp: 18961

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013661.D

Acq: 09 May 2023 12:27

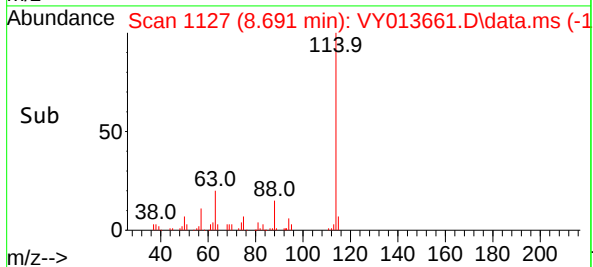
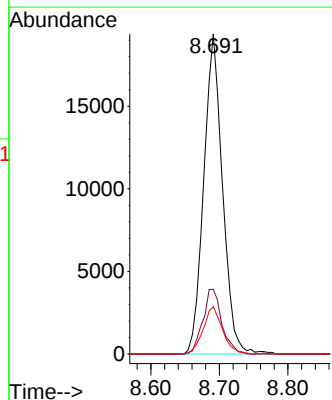
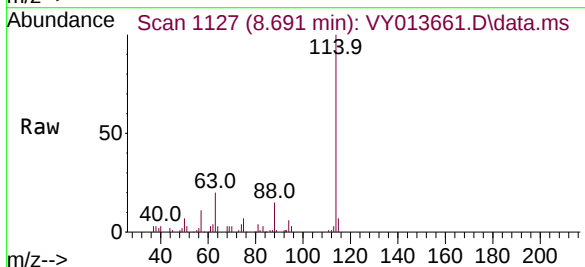
Tgt Ion: 114 Resp: 36937

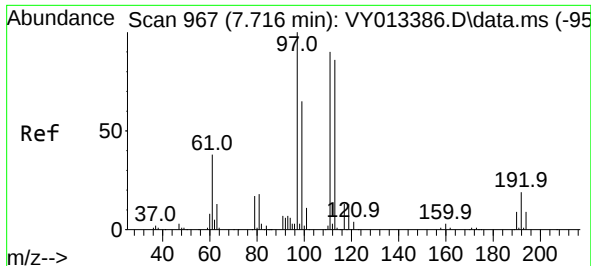
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.6

88 14.8 0.0 28.8

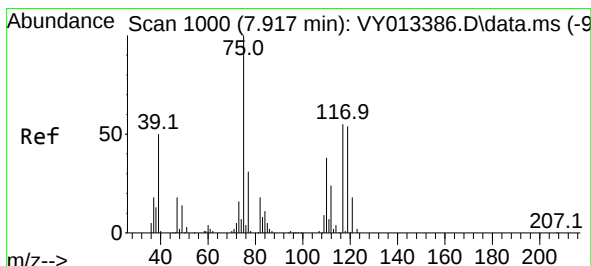
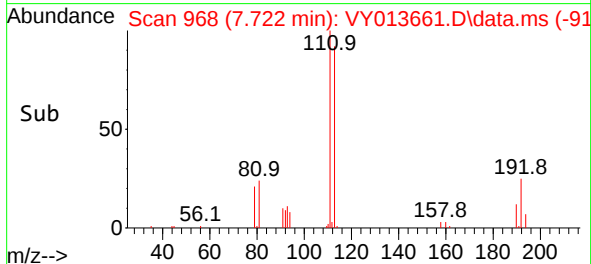
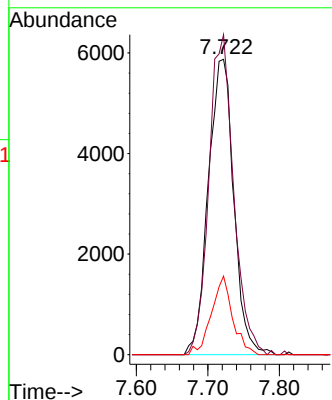
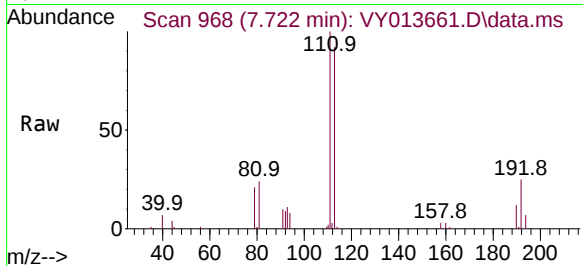




#35
Dibromofluoromethane
Concen: 62.527 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY013661.D
Acq: 09 May 2023 12:27

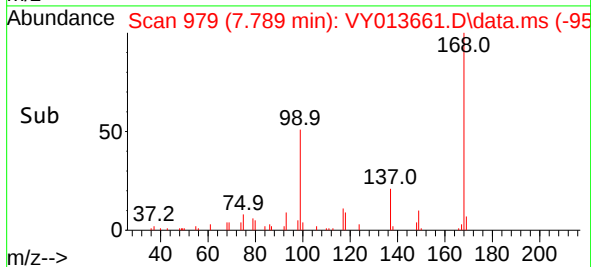
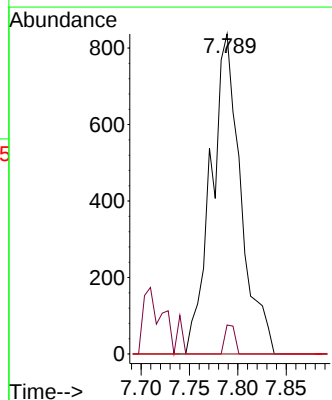
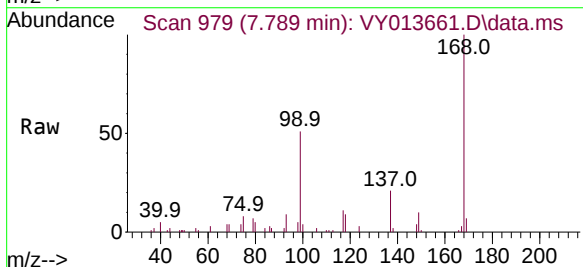
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ClientSampleId :
SU-02-050823

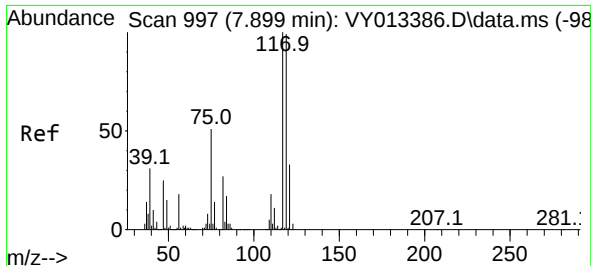
Tgt Ion:	113	Resp:	14526
Ion	Ratio	Lower	Upper
113	100		
111	105.3	82.2	123.2
192	22.1	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.637 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013661.D
Acq: 09 May 2023 12:27

Tgt Ion:	75	Resp:	1788
Ion	Ratio	Lower	Upper
75	100		
110	3.1	18.7	56.1#
77	0.0	24.6	37.0#

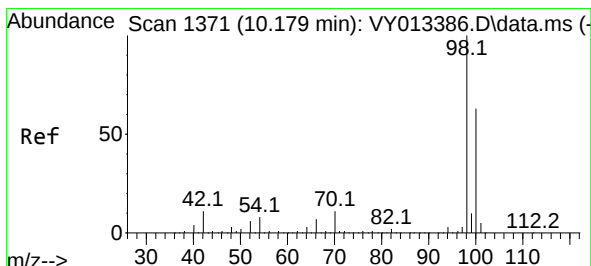
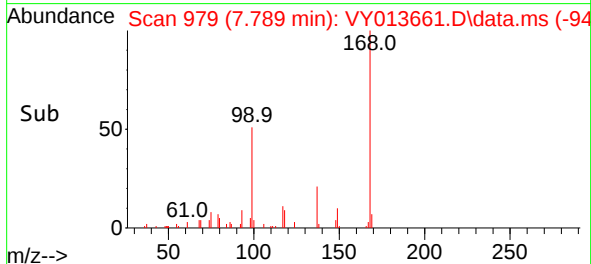
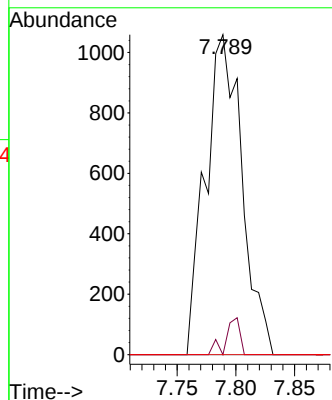
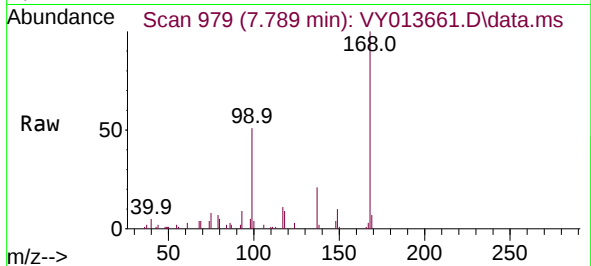




#38
Carbon Tetrachloride
Concen: 5.669 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013661.D
Acq: 09 May 2023 12:27

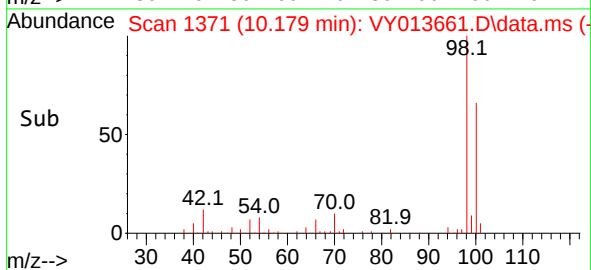
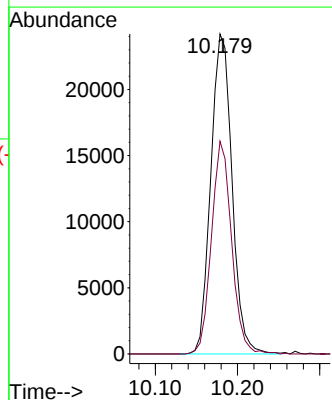
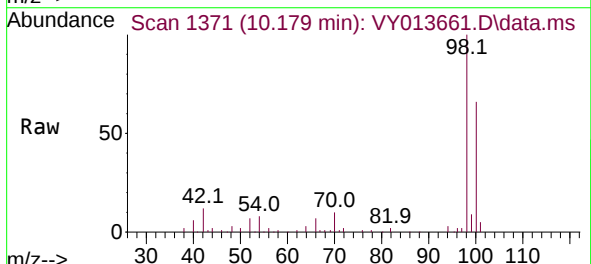
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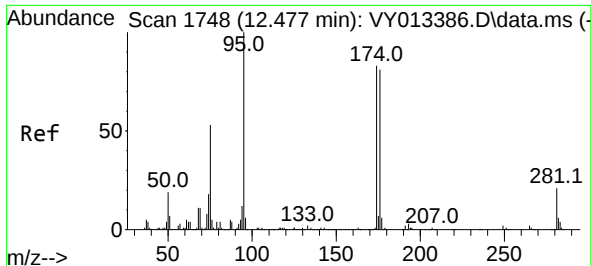
Tgt Ion:117 Resp: 2291
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 52.492 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013661.D
Acq: 09 May 2023 12:27

Tgt Ion: 98 Resp: 43382
Ion Ratio Lower Upper
98 100
100 63.3 50.5 75.7

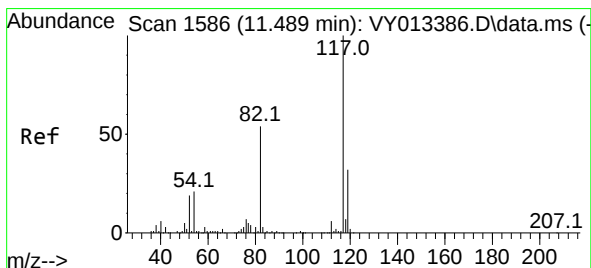
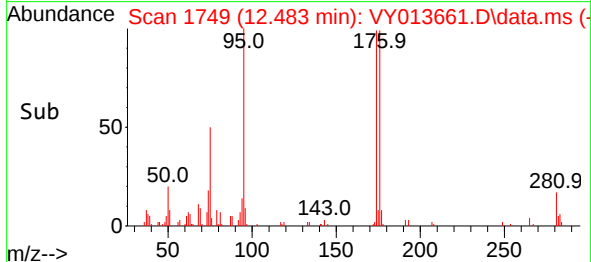
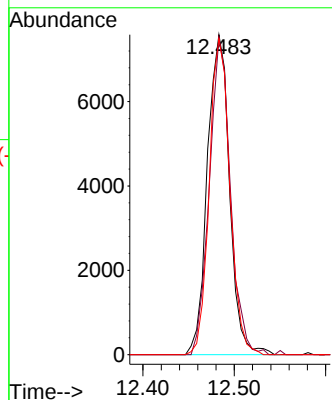
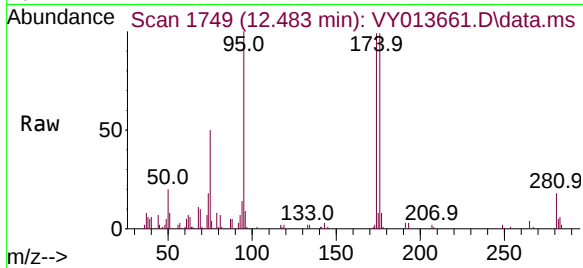




#62
4-Bromofluorobenzene
Concen: 45.812 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013661.D
Acq: 09 May 2023 12:27

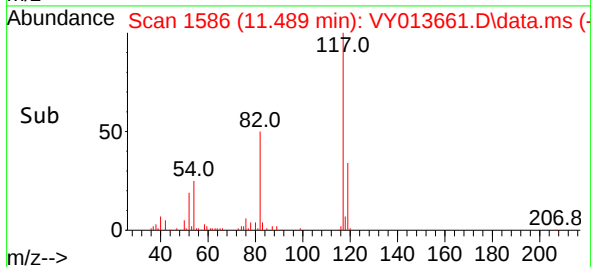
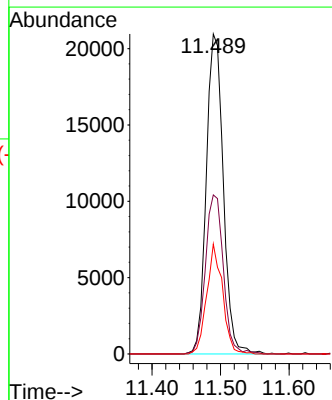
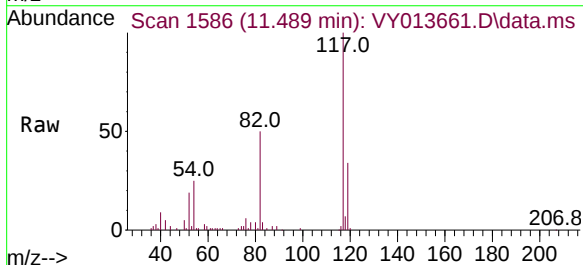
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-050823

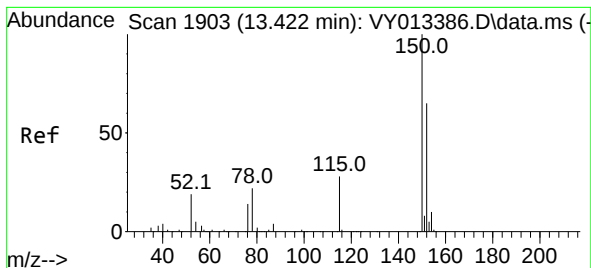
Tgt Ion: 95 Resp: 12764
Ion Ratio Lower Upper
95 100
174 94.2 0.0 182.0
176 91.9 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013661.D
Acq: 09 May 2023 12:27

Tgt Ion: 117 Resp: 36190
Ion Ratio Lower Upper
117 100
82 49.7 43.0 64.6
119 34.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013661.D

Acq: 09 May 2023 12:27

Instrument :

MSVOA_Y

ClientSampleId :

SU-02-050823

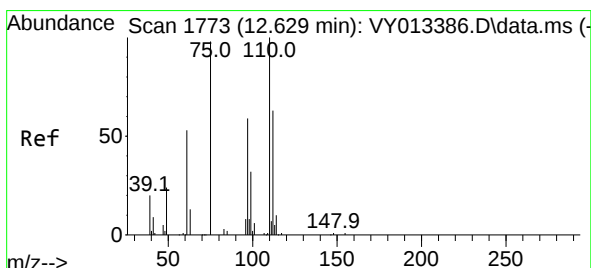
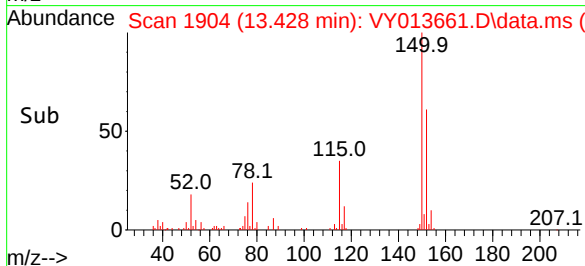
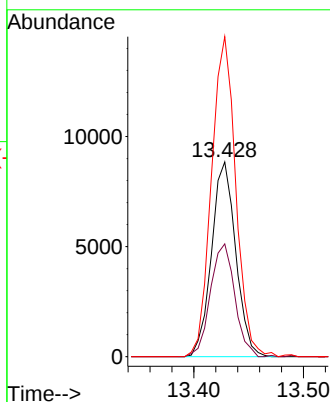
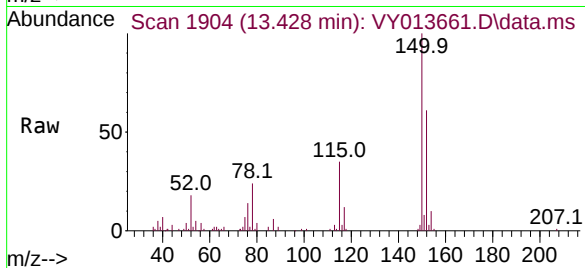
Tgt Ion:152 Resp: 13577

Ion Ratio Lower Upper

152 100

115 58.3 28.1 84.2

150 165.2 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 36.400 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013661.D

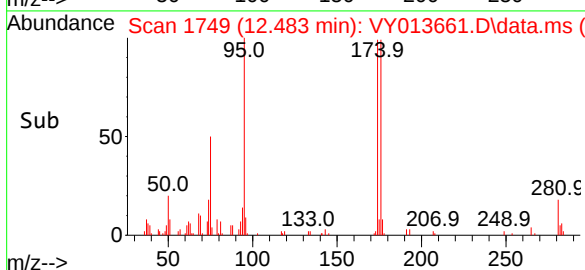
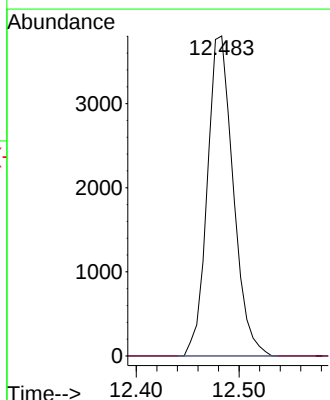
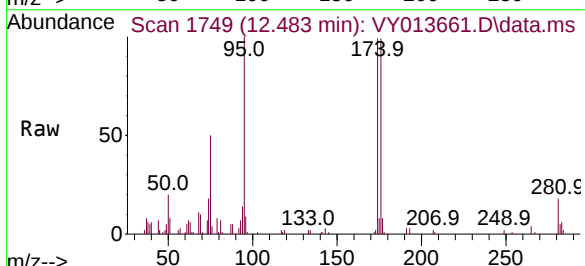
Acq: 09 May 2023 12:27

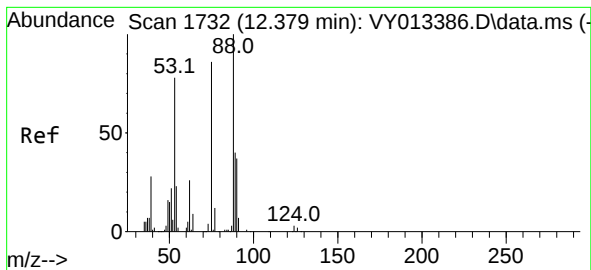
Tgt Ion: 75 Resp: 6665

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.459 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013661.D
 Acq: 09 May 2023 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-050823

Tgt Ion: 75 Resp: 6665
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.5 38.0 57.0#

